

**Supplementary table 4:** Peak integration results.

The intensity column gives the area under the peak for each transition. Peak picking and integration were performed with the Skyline open-source software and manually validated. A normalization step was performed by the R package MSStats: The intensities underwent a logarithm transformation with base 2 and the median of heavy standards logarithms intensities were equalised for all MS runs. The normalized values are shown in the column Abundance. The Light/Heavy area ratio column corresponds to the ratio of the area under the peak for the light transition over the area under the peak of the corresponding heavy transition. This value is used for the coefficients of variation calculations.

Protein Name	Protein Accession Number	Peptide Sequence	Product ion type	Label	Condition	MS Run	Intensity	Abundance	Light/heavy Area Ratio
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	CD	CD1 Rep 1	13841	13,88711097	0,0965
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	CD	CD1 Rep 2	21482	14,34101467	0,0942
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	CD	CD1 Rep 3	21189	14,28135113	0,1096
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	CD	CD2 Rep 1	47477	16,19759512	0,511
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	CD	CD2 Rep 2	101466	16,74779314	0,5238
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	CD	CD2 Rep 3	107279	16,66385323	0,4963
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	CD	CD3 Rep 1	56	5,987624569	0
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	CD	CD3 Rep 2	5	2,249317523	0
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	CD	CD3 Rep 3	11	3,274633172	0,0004
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	CD	CD4 Rep 1	683	9,596822334	0,006
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	CD	CD4 Rep 2	1597	10,37972133	0,0061
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	CD	CD4 Rep 3	1711	10,46937573	0,0064
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	CD	CD5 Rep 1	105416	17,07910013	0,8405
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	CD	CD5 Rep 2	172498	17,4602262	1,0715
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	CD	CD5 Rep 3	243430	17,84501695	0,9498
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	CD	CD6 Rep 1	13984	13,97530528	0,1226
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	CD	CD6 Rep 2	30787	14,61385172	0,1152
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	CD	CD6 Rep 3	32039	14,5713715	0,1176
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	HC	HC1 Rep 1	8510	13,30815007	0,078
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	HC	HC1 Rep 2	14288	13,8394235	0,0697
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	HC	HC1 Rep 3	13076	13,65300288	0,0625
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	HC	HC2 Rep 1	2327	11,52868228	0,02

Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	HC	HC2 Rep 2	4286	11,86586877	0,0178
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	HC	HC2 Rep 3	4422	11,81857482	0,0176
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	HC	HC3 Rep 1	268	8,147353413	0,0021
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	HC	HC3 Rep 2	541	8,954193124	0,0028
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	HC	HC3 Rep 3	755	9,291103336	0,0021
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	HC	HC4 Rep 1	4123	12,46265723	0,0434
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	HC	HC4 Rep 2	6751	12,6619001	0,0325
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	HC	HC4 Rep 3	9463	13,12015925	0,0407
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	HC	HC5 Rep 1	213	7,78385563	0,0021
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	HC	HC5 Rep 2	513	8,673846151	0,0033
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	HC	HC5 Rep 3	878	9,432039079	0,0016
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	HC	HC6 Rep 1	1123	10,19473665	0,0084
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	HC	HC6 Rep 2	3591	11,30260864	0,0121
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Light	HC	HC6 Rep 3	3777	11,42446484	0,0134
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	CD	CD1 Rep 1	9915	13,40584747	0,1055
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	CD	CD1 Rep 2	15756	13,89378768	0,092
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	CD	CD1 Rep 3	14777	13,76138904	0,0875
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	CD	CD2 Rep 1	40435	15,96597096	0,496
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	CD	CD2 Rep 2	75580	16,32287318	0,5154
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	CD	CD2 Rep 3	78154	16,20687715	0,4812
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	CD	CD3 Rep 1	177	7,647875197	0,0013
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	CD	CD3 Rep 2	208	7,627829147	0,0007
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	CD	CD3 Rep 3	113	6,635380516	0,0016
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	CD	CD4 Rep 1	606	9,424254549	0,0061
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	CD	CD4 Rep 2	1283	10,06387819	0,0065
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	CD	CD4 Rep 3	1379	10,15815843	0,0082
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	CD	CD5 Rep 1	96865	16,95705365	1,2331
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	CD	CD5 Rep 2	145772	17,2173602	1,0135
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	CD	CD5 Rep 3	167293	17,30388705	1,0339
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	CD	CD6 Rep 1	12407	13,80268251	0,1179
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	CD	CD6 Rep 2	25130	14,3209411	0,1254
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	CD	CD6 Rep 3	24120	14,16177229	0,1187
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	HC	HC1 Rep 1	10792	13,65088128	0,1034

Pfk   COG0205   Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	HC	HC1 Rep 2	11985	13,58584942	0,081
Pfk   COG0205   Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	HC	HC1 Rep 3	11479	13,46507856	0,086
Pfk   COG0205   Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	HC	HC2 Rep 1	2120	11,39427533	0,0219
Pfk   COG0205   Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	HC	HC2 Rep 2	2924	11,31418023	0,016
Pfk   COG0205   Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	HC	HC2 Rep 3	3786	11,59455021	0,0197
Pfk   COG0205   Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	HC	HC3 Rep 1	886	9,872427111	0,0045
Pfk   COG0205   Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	HC	HC3 Rep 2	795	9,50951939	0,0019
Pfk   COG0205   Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	HC	HC3 Rep 3	366	8,24647034	0,0073
Pfk   COG0205   Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	HC	HC4 Rep 1	3900	12,38243689	0,0442
Pfk   COG0205   Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	HC	HC4 Rep 2	6191	12,53697134	0,0439
Pfk   COG0205   Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	HC	HC4 Rep 3	6489	12,57585779	0,0379
Pfk   COG0205   Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	HC	HC5 Rep 1	616	9,31593255	0,0046
Pfk   COG0205   Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	HC	HC5 Rep 2	874	9,442520605	0,0026
Pfk   COG0205   Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	HC	HC5 Rep 3	514	8,659586498	0,005
Pfk   COG0205   Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	HC	HC6 Rep 1	1572	10,67997994	0,0143
Pfk   COG0205   Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	HC	HC6 Rep 2	3591	11,30260864	0,0164
Pfk   COG0205   Bacteroides	182951	ENSEIYASLPEGVAR	y8	Light	HC	HC6 Rep 3	2335	10,73064661	0,0103
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y10	Light	CD	CD1 Rep 1	35039	15,22712439	0,1241
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y10	Light	CD	CD1 Rep 2	42410	15,32229084	0,1297
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y10	Light	CD	CD1 Rep 3	43812	15,32936171	0,1496
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y10	Light	CD	CD2 Rep 1	108954	17,3960136	0,7336
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y10	Light	CD	CD2 Rep 2	164477	17,44468262	0,6737
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y10	Light	CD	CD2 Rep 3	159977	17,24035004	0,6068
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y10	Light	CD	CD3 Rep 1	18640	14,36638389	0,0767
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y10	Light	CD	CD3 Rep 2	26157	14,60229889	0,0771
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y10	Light	CD	CD3 Rep 3	26332	14,49973104	0,0871
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y10	Light	CD	CD4 Rep 1	4686	12,3752218	0,0208
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y10	Light	CD	CD4 Rep 2	7757	12,65985582	0,0209
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y10	Light	CD	CD4 Rep 3	8609	12,80038164	0,0222
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y10	Light	CD	CD5 Rep 1	206204	18,04707859	0,9914
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y10	Light	CD	CD5 Rep 2	289725	18,20833074	1,0217
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y10	Light	CD	CD5 Rep 3	298080	18,13720955	1,1162
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y10	Light	CD	CD6 Rep 1	40941	15,52507453	0,1836

Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	CD	CD6 Rep 2	66597	15,72698761	0,1825
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	CD	CD6 Rep 3	68268	15,66275187	0,1697
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	HC	HC1 Rep 1	20311	14,5631803	0,096
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	HC	HC1 Rep 2	24580	14,62210443	0,0818
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	HC	HC1 Rep 3	31786	14,93447307	0,0957
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	HC	HC2 Rep 1	24554	14,92809723	0,1187
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	HC	HC2 Rep 2	42212	15,1658182	0,1312
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	HC	HC2 Rep 3	37810	14,91457174	0,1206
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	HC	HC3 Rep 1	14020	13,85646295	0,0514
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	HC	HC3 Rep 2	19932	14,1575072	0,0584
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	HC	HC3 Rep 3	22388	14,18120853	0,0561
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	HC	HC4 Rep 1	26104	15,12516176	0,1638
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	HC	HC4 Rep 2	42067	15,30141592	0,1911
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	HC	HC4 Rep 3	42920	15,3014398	0,1503
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	HC	HC5 Rep 1	2407	11,28216644	0,0088
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	HC	HC5 Rep 2	3406	11,40489385	0,0092
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	HC	HC5 Rep 3	3919	11,59023181	0,0101
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	HC	HC6 Rep 1	8672	13,14374348	0,0381
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	HC	HC6 Rep 2	16394	13,49331899	0,0479
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Light	HC	HC6 Rep 3	15375	13,44973856	0,0387
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	CD	CD1 Rep 1	33407	15,15831322	0,1233
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	CD	CD1 Rep 2	27182	14,68053797	0,1317
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	CD	CD1 Rep 3	28659	14,7170239	0,1389
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	CD	CD2 Rep 1	107638	17,37848193	0,7493
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	CD	CD2 Rep 2	137876	17,19016811	0,8163
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	CD	CD2 Rep 3	147386	17,12208503	0,8597
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	CD	CD3 Rep 1	14379	13,99194537	0,0807
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	CD	CD3 Rep 2	18057	14,06766003	0,0826
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	CD	CD3 Rep 3	18895	14,02091845	0,0637
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	CD	CD4 Rep 1	3947	12,12762137	0,0175
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	CD	CD4 Rep 2	4978	12,01992325	0,0186
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	CD	CD4 Rep 3	4838	11,96894674	0,0175
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	CD	CD5 Rep 1	212042	18,08735633	1,0061

Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	CD	CD5 Rep 2	209927	17,7435343	1,0416
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	CD	CD5 Rep 3	218815	17,69122161	1,1538
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	CD	CD6 Rep 1	37124	15,38388035	0,1725
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	CD	CD6 Rep 2	53256	15,4044745	0,2399
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	CD	CD6 Rep 3	53757	15,31799501	0,1798
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	HC	HC1 Rep 1	23480	14,77235144	0,1054
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	HC	HC1 Rep 2	23000	14,52625337	0,1164
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	HC	HC1 Rep 3	18425	14,14774622	0,0852
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	HC	HC2 Rep 1	24979	14,95285488	0,1304
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	HC	HC2 Rep 2	33436	14,82956728	0,1353
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	HC	HC2 Rep 3	34739	14,79236012	0,1382
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	HC	HC3 Rep 1	13310	13,78148717	0,0544
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	HC	HC3 Rep 2	13969	13,64464947	0,062
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	HC	HC3 Rep 3	16151	13,71010637	0,0555
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	HC	HC4 Rep 1	32871	15,45770621	0,1848
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	HC	HC4 Rep 2	28013	14,71482347	0,1337
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	HC	HC4 Rep 3	35137	15,01278074	0,1649
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	HC	HC5 Rep 1	2947	11,57417735	0,0104
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	HC	HC5 Rep 2	2703	11,07137693	0,0129
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	HC	HC5 Rep 3	3592	11,46453358	0,0118
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	HC	HC6 Rep 1	10768	13,45605713	0,047
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	HC	HC6 Rep 2	11491	12,98065544	0,0396
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Light	HC	HC6 Rep 3	10597	12,91280805	0,0361
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	CD	CD1 Rep 1	15784	14,07662565	0,1302
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	CD	CD1 Rep 2	14728	13,79644789	0,1308
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	CD	CD1 Rep 3	15006	13,7835751	0,1372
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	CD	CD2 Rep 1	63349	16,61368819	0,7754
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	CD	CD2 Rep 2	75912	16,32919663	0,7897
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	CD	CD2 Rep 3	75549	16,1579701	0,7153
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	CD	CD3 Rep 1	8808	13,2848684	0,0989
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	CD	CD3 Rep 2	11028	13,35627298	0,0741
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	CD	CD3 Rep 3	9071	12,96224744	0,0825
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	CD	CD4 Rep 1	2945	11,70513248	0,0252

Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	CD	CD4 Rep 2	3000	11,28931952	0,0213
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	CD	CD4 Rep 3	3405	11,46219077	0,024
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	CD	CD5 Rep 1	113189	17,18174003	1,0803
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	CD	CD5 Rep 2	109382	16,80302191	0,9397
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	CD	CD5 Rep 3	100693	16,57147336	1,0712
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	CD	CD6 Rep 1	21154	14,57245868	0,1878
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	CD	CD6 Rep 2	25675	14,3518947	0,2243
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	CD	CD6 Rep 3	29532	14,45382144	0,1975
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	HC	HC1 Rep 1	10696	13,6379904	0,0996
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	HC	HC1 Rep 2	8733	13,12916876	0,0918
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	HC	HC1 Rep 3	9852	13,24457013	0,093
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	HC	HC2 Rep 1	15412	14,25619325	0,1453
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	HC	HC2 Rep 2	17176	13,86855911	0,1384
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	HC	HC2 Rep 3	15430	13,62154195	0,1173
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	HC	HC3 Rep 1	5415	12,48400984	0,0605
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	HC	HC3 Rep 2	7869	12,81667293	0,0547
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	HC	HC3 Rep 3	7517	12,60671179	0,0454
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	HC	HC4 Rep 1	15294	14,35385664	0,1661
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	HC	HC4 Rep 2	16289	13,93262502	0,1843
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	HC	HC4 Rep 3	16036	13,88110404	0,1362
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	HC	HC5 Rep 1	424	8,777066464	0,0127
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	HC	HC5 Rep 2	1646	10,35577976	0,0087
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	HC	HC5 Rep 3	1252	9,943980796	0,0033
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	HC	HC6 Rep 1	5103	12,37872436	0,0412
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	HC	HC6 Rep 2	5390	11,88850826	0,0406
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Light	HC	HC6 Rep 3	6572	12,22355654	0,0432
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	CD	CD1 Rep 1	41853	15,48349383	0,0963
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	CD	CD1 Rep 2	35704	15,07397207	0,1016
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	CD	CD1 Rep 3	37580	15,1080007	0,112
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	CD	CD2 Rep 1	104335	17,33351764	0,4351
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	CD	CD2 Rep 2	145385	17,26667519	0,5037
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	CD	CD2 Rep 3	133808	16,98264991	0,4367
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	CD	CD3 Rep 1	13521	13,90318388	0,0323

Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	CD	CD3 Rep 2	13045	13,59859875	0,0367
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	CD	CD3 Rep 3	14361	13,62507015	0,0355
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	CD	CD4 Rep 1	4731	12,38901001	0,0133
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	CD	CD4 Rep 2	2968	11,27384811	0,0071
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	CD	CD4 Rep 3	3803	11,62167391	0,0086
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	CD	CD5 Rep 1	291212	18,54507608	0,9134
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	CD	CD5 Rep 2	302414	18,27017149	0,6962
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	CD	CD5 Rep 3	251010	17,88925481	0,9803
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	CD	CD6 Rep 1	55989	15,9766716	0,1578
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	CD	CD6 Rep 2	66458	15,7239733	0,1376
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	CD	CD6 Rep 3	64017	15,56999745	0,1322
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	HC	HC1 Rep 1	23131	14,75074667	0,0669
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	HC	HC1 Rep 2	19880	14,31593727	0,0572
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	HC	HC1 Rep 3	22067	14,40797211	0,0633
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	HC	HC2 Rep 1	9833	13,60784271	0,0284
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	HC	HC2 Rep 2	6826	12,53727733	0,0177
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	HC	HC2 Rep 3	5212	12,05571288	0,0127
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	HC	HC3 Rep 1	4070	12,0720773	0,0097
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	HC	HC3 Rep 2	2608	11,22343649	0,0026
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	HC	HC3 Rep 3	1090	9,820882921	0,0101
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	HC	HC4 Rep 1	17751	14,56879116	0,0631
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	HC	HC4 Rep 2	17775	14,05857654	0,05
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	HC	HC4 Rep 3	19227	14,1429234	0,0576
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	HC	HC5 Rep 1	3409	11,78427889	0,0062
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	HC	HC5 Rep 2	2741	11,09151775	0,0041
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	HC	HC5 Rep 3	1789	10,45889962	0,008
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	HC	HC6 Rep 1	6071	12,62931289	0,0157
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	HC	HC6 Rep 2	6089	12,0644283	0,0121
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Light	HC	HC6 Rep 3	6605	12,23078262	0,0133
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	CD	CD1 Rep 1	30179	15,01170779	0,0999
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	CD	CD1 Rep 2	33910	14,99959714	0,0901
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	CD	CD1 Rep 3	32195	14,88487228	0,0923
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	CD	CD2 Rep 1	95376	17,20399262	0,477

Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	CD	CD2 Rep 2	129129	17,0956098	0,4763
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	CD	CD2 Rep 3	129276	16,93294	0,4655
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	CD	CD3 Rep 1	11844	13,71213842	0,0345
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	CD	CD3 Rep 2	12184	13,50008966	0,0342
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	CD	CD3 Rep 3	12583	13,43438986	0,0358
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	CD	CD4 Rep 1	1626	10,84819211	0,0053
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	CD	CD4 Rep 2	2467	11,00711474	0,0066
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	CD	CD4 Rep 3	2512	11,02337244	0,0063
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	CD	CD5 Rep 1	246307	18,3034639	0,8491
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	CD	CD5 Rep 2	255545	18,02722393	0,6949
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	CD	CD5 Rep 3	233541	17,78518582	0,94
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	CD	CD6 Rep 1	41297	15,53756517	0,1363
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	CD	CD6 Rep 2	58919	15,55026337	0,1462
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	CD	CD6 Rep 3	55723	15,36981531	0,1285
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	HC	HC1 Rep 1	19386	14,49593419	0,0622
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	HC	HC1 Rep 2	22267	14,47952671	0,0681
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	HC	HC1 Rep 3	21559	14,37437186	0,0649
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	HC	HC2 Rep 1	4731	12,55235623	0,016
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	HC	HC2 Rep 2	5691	12,2749191	0,0159
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	HC	HC2 Rep 3	6305	12,33037217	0,0166
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	HC	HC3 Rep 1	2091	11,11124157	0,0025
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	HC	HC3 Rep 2	746	9,41774016	0,0044
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	HC	HC3 Rep 3	1635	10,40584542	0,0063
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	HC	HC4 Rep 1	14702	14,29690329	0,0585
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	HC	HC4 Rep 2	14496	13,76438184	0,0445
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	HC	HC4 Rep 3	18145	14,05936178	0,054
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	HC	HC5 Rep 1	1021	10,04491316	0,0051
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	HC	HC5 Rep 2	2230	10,79385913	0,0059
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	HC	HC5 Rep 3	2307	10,82576424	0,0029
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	HC	HC6 Rep 1	4445	12,17956214	0,0143
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	HC	HC6 Rep 2	6520	12,16309495	0,0145
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Light	HC	HC6 Rep 3	5334	11,92244188	0,0125
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	CD	CD1 Rep 1	452	8,950629375	0,0078



AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	CD	CD1 Rep 2	471	8,829757225	0,0047
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	CD	CD1 Rep 3	261	7,93822925	0,0052
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	CD	CD2 Rep 1	611	9,917682536	0,0104
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	CD	CD2 Rep 2	960	10,02404688	0,0179
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	CD	CD2 Rep 3	1391	10,39475177	0,0225
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	CD	CD3 Rep 1	78	6,465671866	0,0005
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	CD	CD3 Rep 2	28	4,734744351	0,0006
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	CD	CD3 Rep 3	40	5,137129649	0,0009
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	CD	CD4 Rep 1	266	8,236363001	0,0034
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	CD	CD4 Rep 2	2	0,738572735	0
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	CD	CD4 Rep 3	25	4,372607879	0,0003
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	CD	CD5 Rep 1	19631	14,65421184	0,2408
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	CD	CD5 Rep 2	14818	13,91906921	0,2392
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	CD	CD5 Rep 3	15241	13,84753944	0,2484
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	CD	CD6 Rep 1	2218	11,31885946	0,027
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	CD	CD6 Rep 2	1769	10,49253638	0,0257
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	CD	CD6 Rep 3	1521	10,17463444	0,0202
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	HC	HC1 Rep 1	588	9,452878996	0,0076
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	HC	HC1 Rep 2	233	7,901093278	0,0041
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	HC	HC1 Rep 3	61	5,909106555	0,001
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	HC	HC2 Rep 1	554	9,458168947	0,0066
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	HC	HC2 Rep 2	28	4,607807557	0,0004
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	HC	HC2 Rep 3	106	6,436011967	0,0017
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	HC	HC3 Rep 1	39	5,366666441	0,0007
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	HC	HC3 Rep 2	49	5,489418184	0,0001
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	HC	HC3 Rep 3	8	2,730770501	0,0004
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	HC	HC4 Rep 1	204	8,125603825	0,0026
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	HC	HC4 Rep 2	159	7,253897555	0,0027
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	HC	HC4 Rep 3	102	6,584502683	0,0017
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	HC	HC5 Rep 1	48	5,63410851	0
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	HC	HC5 Rep 2	1	-0,328968865	0,0001
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	HC	HC5 Rep 3	5	1,975890044	0,0005
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	HC	HC6 Rep 1	64	6,061594434	0,0006

AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	HC	HC6 Rep 2	120	6,3993293	0,0015
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Light	HC	HC6 Rep 3	133	6,596722206	0,0018
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	CD	CD1 Rep 1	1350	10,5291941	0,0161
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	CD	CD1 Rep 2	2175	11,03697366	0,0208
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	CD	CD1 Rep 3	2704	11,31120269	0,0126
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	CD	CD2 Rep 1	1766	11,44892359	0,0279
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	CD	CD2 Rep 2	3105	11,71753384	0,0292
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	CD	CD2 Rep 3	3159	11,57809728	0,0283
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	CD	CD3 Rep 1	742	9,715545024	0,0019
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	CD	CD3 Rep 2	247	7,87575666	0,0015
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	CD	CD3 Rep 3	196	7,429911398	0,0071
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	CD	CD4 Rep 1	888	9,975496432	0,0071
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	CD	CD4 Rep 2	251	7,710116289	0,0018
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	CD	CD4 Rep 3	885	9,518285334	0,006
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	CD	CD5 Rep 1	73856	16,56579331	1,0211
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	CD	CD5 Rep 2	120672	16,94473753	1,0351
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	CD	CD5 Rep 3	120188	16,82680283	0,9326
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	CD	CD6 Rep 1	10665	13,58441216	0,1017
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	CD	CD6 Rep 2	13322	13,40534111	0,0858
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	CD	CD6 Rep 3	11999	13,15445655	0,0713
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	HC	HC1 Rep 1	543	9,338015039	0,0052
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	HC	HC1 Rep 2	1624	10,70224305	0,0129
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	HC	HC1 Rep 3	1119	10,10636354	0,0083
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	HC	HC2 Rep 1	1844	11,19304972	0,0201
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	HC	HC2 Rep 2	1374	10,22461892	0,0097
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	HC	HC2 Rep 3	2184	10,80084865	0,0164
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	HC	HC3 Rep 1	2790	11,52731363	0,0092
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	HC	HC3 Rep 2	1094	9,970105363	0,0151
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	HC	HC3 Rep 3	2159	10,80691803	0,0234
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	HC	HC4 Rep 1	447	9,257309504	0,0056
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	HC	HC4 Rep 2	2742	11,36202746	0,0233
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	HC	HC4 Rep 3	123	6,854591847	0,001
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	HC	HC5 Rep 1	863	9,802362759	0,0057

AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	HC	HC5 Rep 2	897	9,47999531	0,0023
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	HC	HC5 Rep 3	364	8,161756589	0,0076
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	HC	HC6 Rep 1	1718	10,80810876	0,0138
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	HC	HC6 Rep 2	986	9,43788254	0,0054
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Light	HC	HC6 Rep 3	1792	10,34879469	0,0095
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	CD	CD1 Rep 1	1956	11,06414107	0,0133
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	CD	CD1 Rep 2	1260	10,24938199	0,0153
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	CD	CD1 Rep 3	1605	10,55868084	0,0192
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	CD	CD2 Rep 1	3443	12,41210443	0,0554
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	CD	CD2 Rep 2	3421	11,85735867	0,0442
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	CD	CD2 Rep 3	4294	12,02095154	0,0477
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	CD	CD3 Rep 1	44	5,639701266	0,0025
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	CD	CD3 Rep 2	236	7,810032478	0,0005
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	CD	CD3 Rep 3	52	5,515641272	0,0004
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	CD	CD4 Rep 1	59	6,063723615	0,0006
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	CD	CD4 Rep 2	835	9,444205122	0,0093
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	CD	CD4 Rep 3	1214	9,974304396	0,0105
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	CD	CD5 Rep 1	120422	17,27110526	1,6958
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	CD	CD5 Rep 2	146539	17,22493124	1,4035
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	CD	CD5 Rep 3	135592	17,00078203	1,5139
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	CD	CD6 Rep 1	7909	13,15309539	0,0774
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	CD	CD6 Rep 2	15562	13,62955791	0,141
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	CD	CD6 Rep 3	17485	13,69766017	0,1517
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	HC	HC1 Rep 1	960	10,16009725	0,0112
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	HC	HC1 Rep 2	1010	10,01704671	0,0138
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	HC	HC1 Rep 3	639	9,298041339	0,007
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	HC	HC2 Rep 1	1254	10,63674841	0,0132
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	HC	HC2 Rep 2	436	8,56863696	0,0041
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	HC	HC2 Rep 3	2115	10,75453346	0,0207
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	HC	HC3 Rep 1	1372	10,50332899	0,0112
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	HC	HC3 Rep 2	1189	10,09024134	0,01
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	HC	HC3 Rep 3	1190	9,94751636	0,0116
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	HC	HC4 Rep 1	493	9,398622319	0,0062

AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	HC	HC4 Rep 2	798	9,581259536	0,0088
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	HC	HC4 Rep 3	1255	10,20554899	0,0139
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	HC	HC5 Rep 1	330	8,415468224	0,0047
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	HC	HC5 Rep 2	588	8,87070348	0,0072
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	HC	HC5 Rep 3	890	9,451623475	0,0026
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	HC	HC6 Rep 1	486	8,986406938	0,0054
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	HC	HC6 Rep 2	1066	9,550430427	0,0085
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Light	HC	HC6 Rep 3	1147	9,705089446	0,0095
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	CD	CD1 Rep 1	8831	13,23881151	0,0333
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	CD	CD1 Rep 2	3868	11,86754605	0,0323
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	CD	CD1 Rep 3	4130	11,92224932	0,0432
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	CD	CD2 Rep 1	20037	14,95303287	0,1331
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	CD	CD2 Rep 2	14652	13,95596627	0,113
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	CD	CD2 Rep 3	15507	13,87347705	0,114
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	CD	CD3 Rep 1	1539	10,76804716	0,0076
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	CD	CD3 Rep 2	930	9,788476335	0,0017
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	CD	CD3 Rep 3	225	7,628982745	0,0081
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	CD	CD4 Rep 1	334	8,564784858	0,0019
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	CD	CD4 Rep 2	46	5,262134691	0,0003
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	CD	CD4 Rep 3	53	5,456672144	0,0004
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	CD	CD5 Rep 1	44215	15,82561407	0,2489
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	CD	CD5 Rep 2	28188	14,84679959	0,1878
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	CD	CD5 Rep 3	23063	14,44516206	0,2785
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	CD	CD6 Rep 1	8412	13,24204894	0,0398
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	CD	CD6 Rep 2	4252	11,75774393	0,0287
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	CD	CD6 Rep 3	5676	12,07448887	0,0404
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	HC	HC1 Rep 1	2672	11,63691094	0,0149
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	HC	HC1 Rep 2	2097	11,07101828	0,0183
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	HC	HC1 Rep 3	1612	10,63300525	0,0136
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	HC	HC2 Rep 1	696	9,787370277	0,0035
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	HC	HC2 Rep 2	1202	10,03167382	0,0082
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	HC	HC2 Rep 3	531	8,760659563	0,0037
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	HC	HC3 Rep 1	667	9,462807173	0,0044

PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	HC	HC3 Rep 2	464	8,732689335	0,0016
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	HC	HC3 Rep 3	218	7,498954826	0,0033
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	HC	HC4 Rep 1	4113	12,45915384	0,0239
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	HC	HC4 Rep 2	1583	10,56946014	0,0136
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	HC	HC4 Rep 3	2108	10,95373649	0,0162
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	HC	HC5 Rep 1	41	5,406698014	0,0016
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	HC	HC5 Rep 2	211	7,392130324	0,0029
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	HC	HC5 Rep 3	382	8,231390777	0,0002
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	HC	HC6 Rep 1	465	8,92268134	0,0022
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	HC	HC6 Rep 2	217	7,253989936	0,0013
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Light	HC	HC6 Rep 3	475	8,433223474	0,0029
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	CD	CD1 Rep 1	4746	12,3429468	0,054
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	CD	CD1 Rep 2	6878	12,69794738	0,0555
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	CD	CD1 Rep 3	7025	12,68860576	0,06
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	CD	CD2 Rep 1	9119	13,81731388	0,1434
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	CD	CD2 Rep 2	20576	14,44583121	0,1718
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	CD	CD2 Rep 3	25359	14,5830553	0,204
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	CD	CD3 Rep 1	5	2,502197742	0,0008
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	CD	CD3 Rep 2	106	6,655309883	0,0001
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	CD	CD3 Rep 3	11	3,274633172	0,0001
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	CD	CD4 Rep 1	46	5,704642522	0,0006
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	CD	CD4 Rep 2	251	7,710116289	0,0015
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	CD	CD4 Rep 3	353	8,192276063	0,0023
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	CD	CD5 Rep 1	23338	14,90375911	0,3627
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	CD	CD5 Rep 2	45861	15,54898628	0,3096
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	CD	CD5 Rep 3	44282	15,38630226	0,3699
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	CD	CD6 Rep 1	3871	12,1223064	0,0495
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	CD	CD6 Rep 2	8309	12,72427719	0,0548
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	CD	CD6 Rep 3	9450	12,80992861	0,0554
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	HC	HC1 Rep 1	2569	11,58019783	0,0356
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	HC	HC1 Rep 2	4534	12,18347581	0,0375
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	HC	HC1 Rep 3	4919	12,24251856	0,0448
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Light	HC	HC2 Rep 1	746	9,887458601	0,0098

PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Light	HC	HC2 Rep 2	871	9,566981544	0,0055
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Light	HC	HC2 Rep 3	1429	10,18888171	0,0089
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Light	HC	HC3 Rep 1	250	8,047048507	0,0026
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Light	HC	HC3 Rep 2	246	7,817222845	0,0032
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Light	HC	HC3 Rep 3	401	8,378228928	0,0029
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Light	HC	HC4 Rep 1	1358	10,86044625	0,0195
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Light	HC	HC4 Rep 2	1318	10,30514925	0,0133
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Light	HC	HC4 Rep 3	1011	9,893644623	0,0087
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Light	HC	HC5 Rep 1	5	2,371074104	0,0022
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Light	HC	HC5 Rep 2	331	8,041718542	0,0029
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Light	HC	HC5 Rep 3	407	8,322846933	0,0001
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Light	HC	HC6 Rep 1	182	7,569389074	0,0024
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Light	HC	HC6 Rep 2	984	9,434953209	0,0064
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Light	HC	HC6 Rep 3	1237	9,814069555	0,007
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	CD	CD1 Rep 1	17066	14,18928774	0,0523
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	CD	CD1 Rep 2	23326	14,45982529	0,0627
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	CD	CD1 Rep 3	25505	14,54881573	0,0524
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	CD	CD2 Rep 1	50666	16,29138428	0,2103
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	CD	CD2 Rep 2	82469	16,44872058	0,2005
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	CD	CD2 Rep 3	81679	16,27052264	0,1693
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	CD	CD3 Rep 1	272	8,267732488	0,0004
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	CD	CD3 Rep 2	203	7,592725346	0,0008
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	CD	CD3 Rep 3	418	8,522560686	0,0009
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	CD	CD4 Rep 1	311	8,461851336	0,0009
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	CD	CD4 Rep 2	745	9,27966935	0,0013
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	CD	CD4 Rep 3	1378	10,15711186	0,0025
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	CD	CD5 Rep 1	91139	16,86914672	0,3296
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	CD	CD5 Rep 2	153014	17,28731022	0,3164
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	CD	CD5 Rep 3	157489	17,21676104	0,3193
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	CD	CD6 Rep 1	17766	14,32064709	0,0534
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	CD	CD6 Rep 2	23520	14,22541849	0,043
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	CD	CD6 Rep 3	33041	14,61579973	0,0531
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Light	HC	HC1 Rep 1	7512	13,128188	0,0231

PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y9	Light	HC	HC1 Rep 2	12290	13,62210443	0,0315
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y9	Light	HC	HC1 Rep 3	10433	13,32723566	0,0312
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y9	Light	HC	HC2 Rep 1	3412	12,08082871	0,0102
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y9	Light	HC	HC2 Rep 2	4628	11,97662578	0,0088
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y9	Light	HC	HC2 Rep 3	4946	11,98013804	0,0086
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y9	Light	HC	HC3 Rep 1	230	7,926754273	0,0042
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y9	Light	HC	HC3 Rep 2	1357	10,28091335	0,0008
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y9	Light	HC	HC3 Rep 3	354	8,198376051	0,0006
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y9	Light	HC	HC4 Rep 1	3695	12,30453713	0,013
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y9	Light	HC	HC4 Rep 2	4781	12,16411129	0,0131
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y9	Light	HC	HC4 Rep 3	5004	12,20094342	0,0114
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y9	Light	HC	HC5 Rep 1	669	9,43500841	0,0014
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y9	Light	HC	HC5 Rep 2	786	9,289416637	0,0022
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y9	Light	HC	HC5 Rep 3	1022	9,65114143	0,0019
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y9	Light	HC	HC6 Rep 1	1971	11,00630649	0,006
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y9	Light	HC	HC6 Rep 2	3010	11,04798648	0,0054
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y9	Light	HC	HC6 Rep 3	3136	11,15614961	0,0047
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	CD	CD1 Rep 1	2684	11,52061937	0,1354
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	CD	CD1 Rep 2	4576	12,11004531	0,1924
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	CD	CD1 Rep 3	5965	12,45262968	0,1493
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	CD	CD2 Rep 1	8503	13,71641019	0,5764
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	CD	CD2 Rep 2	14875	13,97775833	0,5687
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	CD	CD2 Rep 3	17775	14,070407	0,5487
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	CD	CD3 Rep 1	9	3,350194649	0,0002
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	CD	CD3 Rep 2	7	2,734744351	0,0004
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	CD	CD3 Rep 3	14	3,622556476	0,0005
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	CD	CD4 Rep 1	2	1,181080566	0,0001
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	CD	CD4 Rep 2	58	5,59655373	0,0017
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	CD	CD4 Rep 3	20	4,050679784	0,0005
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	CD	CD5 Rep 1	12509	14,00404464	0,8652
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	CD	CD5 Rep 2	28022	14,8382784	0,7486
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	CD	CD5 Rep 3	26734	14,65825759	0,7157
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	CD	CD6 Rep 1	2415	11,44162328	0,1265

PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	CD	CD6 Rep 2	7528	12,58186896	0,1785
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	CD	CD6 Rep 3	8350	12,63139048	0,1843
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	HC	HC1 Rep 1	1719	11,00056048	0,104
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	HC	HC1 Rep 2	2129	11,09286737	0,0686
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	HC	HC1 Rep 3	1901	10,87091203	0,0599
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	HC	HC2 Rep 1	141	7,483978133	0,0099
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	HC	HC2 Rep 2	588	9,00012498	0,0175
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	HC	HC2 Rep 3	1337	10,09287526	0,0324
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	HC	HC3 Rep 1	32	5,081264222	0,0002
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	HC	HC3 Rep 2	6	2,459670841	0,0033
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	HC	HC3 Rep 3	131	6,764193503	0,0016
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	HC	HC4 Rep 1	204	8,125603825	0,0123
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	HC	HC4 Rep 2	871	9,707543508	0,0255
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	HC	HC4 Rep 3	1327	10,28603	0,0403
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	HC	HC5 Rep 1	63	6,026425933	0,0018
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	HC	HC5 Rep 2	64	5,671031135	0,0011
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	HC	HC5 Rep 3	33	4,698356068	0,0029
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	HC	HC6 Rep 1	59	5,944237483	0,0027
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	HC	HC6 Rep 2	257	7,498063253	0,0058
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Light	HC	HC6 Rep 3	403	8,196075799	0,0097
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	CD	CD1 Rep 1	4997	12,41729691	0,1317
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	CD	CD1 Rep 2	4783	12,17387405	0,1528
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	CD	CD1 Rep 3	5922	12,44219203	0,1467
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	CD	CD2 Rep 1	12423	14,26337995	0,4467
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	CD	CD2 Rep 2	18051	14,25694743	0,4227
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	CD	CD2 Rep 3	21621	14,35299069	0,519
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	CD	CD3 Rep 1	3	1,765232148	0,0111
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	CD	CD3 Rep 2	358	8,411205206	0,013
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	CD	CD3 Rep 3	503	8,789616144	0,0001
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	CD	CD4 Rep 1	136	7,268543407	0,0045
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	CD	CD4 Rep 2	373	8,281604555	0,0075
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	CD	CD4 Rep 3	248	7,682948	0,0049
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	CD	CD5 Rep 1	23774	14,93046284	0,7466



PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	CD	CD5 Rep 2	32454	15,05011477	0,781
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	CD	CD5 Rep 3	37211	15,13531104	0,8108
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	CD	CD6 Rep 1	5091	12,51754916	0,1671
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	CD	CD6 Rep 2	7993	12,66833942	0,1524
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	CD	CD6 Rep 3	8765	12,70136837	0,1566
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	HC	HC1 Rep 1	3380	11,97601418	0,1335
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	HC	HC1 Rep 2	2889	11,53326162	0,0968
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	HC	HC1 Rep 3	1738	10,74158158	0,0506
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	HC	HC2 Rep 1	998	10,30732279	0,0345
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	HC	HC2 Rep 2	1308	10,15359946	0,0276
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	HC	HC2 Rep 3	1404	10,16341873	0,0301
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	HC	HC3 Rep 1	254	8,069948909	0,0137
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	HC	HC3 Rep 2	413	8,564706311	0,0171
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	HC	HC3 Rep 3	797	9,369206415	0,0079
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	HC	HC4 Rep 1	364	8,960973123	0,014
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	HC	HC4 Rep 2	1948	10,86879256	0,0526
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	HC	HC4 Rep 3	2118	10,96056422	0,0429
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	HC	HC5 Rep 1	106	6,777066464	0,0165
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	HC	HC5 Rep 2	784	9,285740979	0,0092
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	HC	HC5 Rep 3	468	8,524326669	0,003
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	HC	HC6 Rep 1	571	9,218941369	0,0184
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	HC	HC6 Rep 2	598	8,716440378	0,0123
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Light	HC	HC6 Rep 3	751	9,094108868	0,0142
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	CD	CD1 Rep 1	3922	12,06782423	0,1476
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	CD	CD1 Rep 2	6774	12,67596625	0,1755
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	CD	CD1 Rep 3	8013	12,87845001	0,1396
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	CD	CD2 Rep 1	11471	14,14835751	0,5437
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	CD	CD2 Rep 2	20745	14,45763232	0,4453
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	CD	CD2 Rep 3	26354	14,63857939	0,5866
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	CD	CD3 Rep 1	3	1,765232148	0,0002
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	CD	CD3 Rep 2	10	3,249317523	0,0003
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	CD	CD3 Rep 3	15	3,722092149	0,0001
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	CD	CD4 Rep 1	17	4,268543407	0,0006

PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	CD	CD4 Rep 2	104	6,439012453	0,0022
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	CD	CD4 Rep 3	172	7,155016444	0,0035
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	CD	CD5 Rep 1	18456	14,56516809	0,9269
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	CD	CD5 Rep 2	39376	15,32903503	0,808
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	CD	CD5 Rep 3	38055	15,1676679	0,7199
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	CD	CD6 Rep 1	3938	12,14706321	0,1386
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	CD	CD6 Rep 2	8923	12,82713117	0,1556
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	CD	CD6 Rep 3	9393	12,80120029	0,1581
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	HC	HC1 Rep 1	1890	11,13737717	0,0714
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	HC	HC1 Rep 2	2587	11,37397147	0,0696
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	HC	HC1 Rep 3	2758	11,40777596	0,0803
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	HC	HC2 Rep 1	686	9,766491547	0,0282
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	HC	HC2 Rep 2	780	9,407782949	0,0166
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	HC	HC2 Rep 3	947	9,595312128	0,0186
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	HC	HC3 Rep 1	96	6,666226723	0,0013
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	HC	HC3 Rep 2	49	5,489418184	0,0062
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	HC	HC3 Rep 3	302	7,969175241	0,0029
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	HC	HC4 Rep 1	265	8,503027032	0,0137
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	HC	HC4 Rep 2	1043	9,967538042	0,0264
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	HC	HC4 Rep 3	1417	10,38070138	0,0311
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	HC	HC5 Rep 1	159	7,362028965	0,0026
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	HC	HC5 Rep 2	126	6,648311059	0,0033
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	HC	HC5 Rep 3	143	6,813833286	0,0048
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	HC	HC6 Rep 1	433	8,819817649	0,0141
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	HC	HC6 Rep 2	689	8,920798877	0,0108
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Light	HC	HC6 Rep 3	859	9,287954092	0,0164
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	CD	CD1 Rep 1	2806	11,58474971	0,0624
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	CD	CD1 Rep 2	971	9,873501461	0,0509
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	CD	CD1 Rep 3	802	9,557781679	0,0468
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	CD	CD2 Rep 1	4289	12,72907957	0,1036
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	CD	CD2 Rep 2	4903	12,37660533	0,1537
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	CD	CD2 Rep 3	3975	11,90958421	0,1284
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	CD	CD3 Rep 1	83	6,555309079	0,0042

TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	CD	CD3 Rep 2	108	6,682276931	0,0018
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	CD	CD3 Rep 3	50	5,459057744	0,0014
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	CD	CD4 Rep 1	119	7,075898329	0,0021
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	CD	CD4 Rep 2	32	4,738572735	0,0012
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	CD	CD4 Rep 3	38	4,976679203	0,0014
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	CD	CD5 Rep 1	19086	14,61359296	0,331
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	CD	CD5 Rep 2	10013	13,35359276	0,4132
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	CD	CD5 Rep 3	10380	13,29338832	0,3684
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	CD	CD6 Rep 1	1840	11,04930586	0,036
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	CD	CD6 Rep 2	1161	9,884970302	0,0391
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	CD	CD6 Rep 3	1441	10,09668462	0,0422
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	HC	HC1 Rep 1	1199	10,48082259	0,0193
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	HC	HC1 Rep 2	581	9,219301487	0,0222
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	HC	HC1 Rep 3	772	9,570826255	0,0259
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	HC	HC2 Rep 1	435	9,109298372	0,0083
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	HC	HC2 Rep 2	141	6,940003987	0,0047
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	HC	HC2 Rep 3	99	6,337448132	0,0033
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	HC	HC3 Rep 1	25	4,725120412	0,0012
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	HC	HC3 Rep 2	41	5,232260345	0,0001
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	HC	HC3 Rep 3	2	0,730770501	0,0004
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	HC	HC4 Rep 1	483	9,369057862	0,0094
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	HC	HC4 Rep 2	117	6,811379319	0,004
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	HC	HC4 Rep 3	347	8,350869194	0,0118
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	HC	HC5 Rep 1	131	7,082569011	0,0025
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	HC	HC5 Rep 2	93	6,210189946	0,0045
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	HC	HC5 Rep 3	157	6,948582698	0,002
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	HC	HC6 Rep 1	78	6,346996653	0,0012
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	HC	HC6 Rep 2	348	7,9353822	0,0082
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Light	HC	HC6 Rep 3	143	6,701311107	0,0034
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	CD	CD1 Rep 1	8912	13,25198393	0,0473
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	CD	CD1 Rep 2	1996	10,91306998	0,0344
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	CD	CD1 Rep 3	1433	10,39514615	0,0483
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	CD	CD2 Rep 1	14826	14,51849576	0,1264

TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	CD	CD2 Rep 2	8699	13,20379013	0,1128
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	CD	CD2 Rep 3	10230	13,27336359	0,1247
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	CD	CD3 Rep 1	90	6,672122744	0,001
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	CD	CD3 Rep 2	68	6,01485227	0,0028
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	CD	CD3 Rep 3	161	7,146118432	0,0005
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	CD	CD4 Rep 1	49	5,79579041	0,0003
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	CD	CD4 Rep 2	146	6,928397294	0,0021
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	CD	CD4 Rep 3	173	7,163379917	0,0025
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	CD	CD5 Rep 1	59706	16,2589541	0,4192
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	CD	CD5 Rep 2	24945	14,67046914	0,4089
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	CD	CD5 Rep 3	28405	14,74572678	0,3921
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	CD	CD6 Rep 1	6452	12,85934653	0,0418
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	CD	CD6 Rep 2	2974	11,24200698	0,0381
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	CD	CD6 Rep 3	3281	11,28374988	0,0478
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	HC	HC1 Rep 1	3134	11,86699612	0,0187
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	HC	HC1 Rep 2	1239	10,31186761	0,0182
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	HC	HC1 Rep 3	1085	10,06184855	0,0153
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	HC	HC2 Rep 1	1162	10,52682113	0,0079
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	HC	HC2 Rep 2	763	9,375991882	0,0109
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	HC	HC2 Rep 3	1029	9,715118779	0,0182
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	HC	HC3 Rep 1	163	7,429992376	0,0046
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	HC	HC3 Rep 2	327	8,227855165	0,0013
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	HC	HC3 Rep 3	112	6,538125423	0,0009
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	HC	HC4 Rep 1	2226	11,57341636	0,015
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	HC	HC4 Rep 2	552	9,049539056	0,0076
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	HC	HC4 Rep 3	1029	9,919104608	0,0139
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	HC	HC5 Rep 1	60	5,956036605	0,0017
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	HC	HC5 Rep 2	145	6,850940225	0,0023
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	HC	HC5 Rep 3	230	7,499452	0,0003
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	HC	HC6 Rep 1	631	9,363090629	0,0034
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	HC	HC6 Rep 2	621	8,770888162	0,0055
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y8	Light	HC	HC6 Rep 3	561	8,673296731	0,0051
TktA-TktB COG0021 Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	CD	CD1 Rep 1	13159	13,81421265	0,0588

TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	CD	CD1 Rep 2	12566	13,56741184	0,0531
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	CD	CD1 Rep 3	12549	13,52560804	0,0634
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	CD	CD2 Rep 1	23779	15,20005439	0,1656
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	CD	CD2 Rep 2	32857	15,12106943	0,1766
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	CD	CD2 Rep 3	37290	15,13934624	0,1726
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	CD	CD3 Rep 1	1001	10,14749591	0,0018
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	CD	CD3 Rep 2	402	8,57844112	0,0028
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	CD	CD3 Rep 3	655	9,17055265	0,005
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	CD	CD4 Rep 1	356	8,656813997	0,002
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	CD	CD4 Rep 2	1018	9,730094581	0,0041
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	CD	CD4 Rep 3	688	9,155016444	0,0027
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	CD	CD5 Rep 1	71484	16,51869854	0,4252
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	CD	CD5 Rep 2	88491	16,4972492	0,4219
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	CD	CD5 Rep 3	89874	16,40748569	0,4034
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	CD	CD6 Rep 1	7916	13,15437171	0,0433
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	CD	CD6 Rep 2	12655	13,33123793	0,0479
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	CD	CD6 Rep 3	15684	13,54083593	0,0582
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	HC	HC1 Rep 1	5564	12,69511336	0,0293
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	HC	HC1 Rep 2	5199	12,38092557	0,0266
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	HC	HC1 Rep 3	5304	12,35123428	0,0261
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	HC	HC2 Rep 1	3350	12,05437216	0,0186
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	HC	HC2 Rep 2	2270	10,94892922	0,0095
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	HC	HC2 Rep 3	2998	11,25787618	0,0121
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	HC	HC3 Rep 1	378	8,643506646	0,0017
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	HC	HC3 Rep 2	398	8,51133296	0,004
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	HC	HC3 Rep 3	1038	9,75036123	0,0017
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	HC	HC4 Rep 1	1305	10,80301257	0,008
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	HC	HC4 Rep 2	2507	11,23276088	0,0123
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	HC	HC4 Rep 3	2965	11,44589373	0,0135
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	HC	HC5 Rep 1	666	9,428524377	0,0003
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	HC	HC5 Rep 2	77	5,937817676	0,0017
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	HC	HC5 Rep 3	402	8,30501364	0,0031
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	HC	HC6 Rep 1	1124	10,19602075	0,0052

TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	HC	HC6 Rep 2	1567	10,10622817	0,0054
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Light	HC	HC6 Rep 3	2312	10,71636545	0,0079
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	CD	CD1 Rep 1	6829	12,86790903	0,061
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	CD	CD1 Rep 2	8516	13,00613421	0,0638
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	CD	CD1 Rep 3	9454	13,1170324	0,0594
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	CD	CD2 Rep 1	12863	14,3135935	0,1691
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	CD	CD2 Rep 2	21433	14,50470246	0,181
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	CD	CD2 Rep 3	23278	14,45952455	0,1695
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	CD	CD3 Rep 1	162	7,52011965	0,0014
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	CD	CD3 Rep 2	174	7,370332924	0,0013
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	CD	CD3 Rep 3	190	7,385057162	0,0014
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	CD	CD4 Rep 1	409	8,857037599	0,004
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	CD	CD4 Rep 2	609	8,988871153	0,004
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	CD	CD4 Rep 3	341	8,142379618	0,0022
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	CD	CD5 Rep 1	40546	15,70063777	0,3798
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	CD	CD5 Rep 2	52524	15,74469526	0,4042
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	CD	CD5 Rep 3	55594	15,71451106	0,4114
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	CD	CD6 Rep 1	4973	12,48371653	0,0487
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	CD	CD6 Rep 2	7263	12,53016791	0,0449
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	CD	CD6 Rep 3	8455	12,64941904	0,0495
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	HC	HC1 Rep 1	2746	11,67632256	0,0251
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	HC	HC1 Rep 2	3606	11,85309082	0,0277
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	HC	HC1 Rep 3	3347	11,68702205	0,025
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	HC	HC2 Rep 1	700	9,795637893	0,0075
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	HC	HC2 Rep 2	1333	10,1809137	0,0093
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	HC	HC2 Rep 3	2000	10,6738758	0,0128
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	HC	HC3 Rep 1	307	8,343359068	0,002
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	HC	HC3 Rep 2	316	8,178489088	0,0017
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	HC	HC3 Rep 3	285	7,88558861	0,0027
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	HC	HC4 Rep 1	1676	11,16398492	0,0183
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	HC	HC4 Rep 2	2195	11,04101982	0,0162
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	HC	HC4 Rep 3	1632	10,58450268	0,0123
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	HC	HC5 Rep 1	592	9,258599375	0,0019

TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	HC	HC5 Rep 2	308	7,937817676	0,0021
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	HC	HC5 Rep 3	334	8,037666242	0,005
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	HC	HC6 Rep 1	745	9,602691049	0,0064
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	HC	HC6 Rep 2	819	9,170158346	0,0044
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Light	HC	HC6 Rep 3	1241	9,818727171	0,0068
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	CD	CD1 Rep 1	15947	14,09144784	0,0604
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	CD	CD1 Rep 2	15607	13,8800796	0,0439
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	CD	CD1 Rep 3	17382	13,99562972	0,0451
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	CD	CD2 Rep 1	28167	15,44437226	0,1214
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	CD	CD2 Rep 2	47168	15,64267709	0,1151
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	CD	CD2 Rep 3	53390	15,65712699	0,1181
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	CD	CD3 Rep 1	765	9,759585585	0,0015
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	CD	CD3 Rep 2	514	8,933013978	0,0018
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	CD	CD3 Rep 3	738	9,34267856	0,0024
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	CD	CD4 Rep 1	977	10,11329532	0,003
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	CD	CD4 Rep 2	941	9,616623647	0,0019
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	CD	CD4 Rep 3	726	9,232577427	0,0014
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	CD	CD5 Rep 1	100550	17,01091935	0,3122
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	CD	CD5 Rep 2	120233	16,93947949	0,2786
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	CD	CD5 Rep 3	117365	16,79251221	0,3546
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	CD	CD6 Rep 1	11426	13,68384862	0,0342
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	CD	CD6 Rep 2	18414	13,87233348	0,0331
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	CD	CD6 Rep 3	22623	14,06933263	0,0369
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	HC	HC1 Rep 1	8158	13,24720644	0,0249
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	HC	HC1 Rep 2	6892	12,78761412	0,0216
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	HC	HC1 Rep 3	7017	12,75500786	0,0195
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	HC	HC2 Rep 1	2574	11,67422312	0,0084
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	HC	HC2 Rep 2	4042	11,78130624	0,0079
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	HC	HC2 Rep 3	4183	11,73841379	0,0084
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	HC	HC3 Rep 1	1753	10,8568745	0,0032
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	HC	HC3 Rep 2	1404	10,33003556	0,0011
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	HC	HC3 Rep 3	487	8,658548463	0,0049
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	HC	HC4 Rep 1	1991	11,41245599	0,0067

TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	HC	HC4 Rep 2	4597	12,10749155	0,0111
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	HC	HC4 Rep 3	5457	12,32596967	0,0141
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	HC	HC5 Rep 1	490	8,985783949	0,0016
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	HC	HC5 Rep 2	758	9,237085173	0,0019
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	HC	HC5 Rep 3	951	9,54726348	0,0013
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	HC	HC6 Rep 1	2068	11,0756149	0,0066
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	HC	HC6 Rep 2	3387	11,21823098	0,006
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Light	HC	HC6 Rep 3	2558	10,86224032	0,0043
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	CD	CD1 Rep 1	8486	13,18131938	0,045
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	CD	CD1 Rep 2	8956	13,07881279	0,0446
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	CD	CD1 Rep 3	10208	13,22773587	0,0475
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	CD	CD2 Rep 1	16843	14,70251547	0,1393
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	CD	CD2 Rep 2	26587	14,81558966	0,1246
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	CD	CD2 Rep 3	30153	14,83285899	0,1228
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	CD	CD3 Rep 1	684	9,598122162	0,003
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	CD	CD3 Rep 2	561	9,059246389	0,0022
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	CD	CD3 Rep 3	501	8,783868347	0,0041
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	CD	CD4 Rep 1	475	9,072864269	0,0028
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	CD	CD4 Rep 2	511	8,735752216	0,0019
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	CD	CD4 Rep 3	549	8,829414028	0,002
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	CD	CD5 Rep 1	47255	15,92154517	0,3669
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	CD	CD5 Rep 2	71536	16,19038792	0,3146
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	CD	CD5 Rep 3	75351	16,15320853	0,318
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	CD	CD6 Rep 1	5688	12,67752156	0,034
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	CD	CD6 Rep 2	10792	13,10149268	0,0364
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	CD	CD6 Rep 3	12910	13,26003138	0,0376
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	HC	HC1 Rep 1	3242	11,91587503	0,0202
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	HC	HC1 Rep 2	4151	12,05615035	0,0209
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	HC	HC1 Rep 3	4456	12,09990274	0,0228
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	HC	HC2 Rep 1	2350	11,54287182	0,0156
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	HC	HC2 Rep 2	2996	11,34927454	0,0114
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	HC	HC2 Rep 3	2922	11,22083197	0,0109
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	HC	HC3 Rep 1	944	9,963907272	0,003



TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	HC	HC3 Rep 2	741	9,408038072	0,0027
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	HC	HC3 Rep 3	700	9,181981613	0,0052
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	HC	HC4 Rep 1	3171	12,08390065	0,0216
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	HC	HC4 Rep 2	2385	11,16078815	0,0121
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	HC	HC4 Rep 3	2908	11,4178889	0,0115
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	HC	HC5 Rep 1	327	8,402292835	0,002
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	HC	HC5 Rep 2	535	8,734426216	0,0024
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	HC	HC5 Rep 3	680	9,063352885	0,0017
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	HC	HC6 Rep 1	495	9,012879149	0,0025
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	HC	HC6 Rep 2	2218	10,60748235	0,0071
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Light	HC	HC6 Rep 3	899	9,353617076	0,0028
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	CD	CD1 Rep 1	8535	13,18962585	0,0628
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	CD	CD1 Rep 2	8850	13,06163572	0,0809
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	CD	CD1 Rep 3	12596	13,5310013	0,0649
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	CD	CD2 Rep 1	17180	14,73109638	0,2181
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	CD	CD2 Rep 2	22490	14,57415233	0,1791
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	CD	CD2 Rep 3	23548	14,47616197	0,1749
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	CD	CD3 Rep 1	20	4,502197742	0,0015
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	CD	CD3 Rep 2	248	7,881585739	0,0014
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	CD	CD3 Rep 3	214	7,55666854	0,0002
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	CD	CD4 Rep 1	332	8,556119997	0,0026
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	CD	CD4 Rep 2	397	8,371567932	0,0023
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	CD	CD4 Rep 3	598	8,952753364	0,0034
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	CD	CD5 Rep 1	56561	16,1808858	0,4613
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	CD	CD5 Rep 2	78405	16,32266413	0,515
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	CD	CD5 Rep 3	79425	16,22917506	0,5889
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	CD	CD6 Rep 1	6322	12,82998113	0,0584
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	CD	CD6 Rep 2	8395	12,73913266	0,0506
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	CD	CD6 Rep 3	9074	12,75135294	0,05
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	HC	HC1 Rep 1	1820	11,08292939	0,0184
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	HC	HC1 Rep 2	2760	11,46735969	0,0204
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	HC	HC1 Rep 3	2003	10,94631592	0,0151
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Light	HC	HC2 Rep 1	258	8,355654036	0,0022

TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Light	HC	HC2 Rep 2	550	8,903740443	0,0036
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Light	HC	HC2 Rep 3	698	9,155174738	0,0043
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Light	HC	HC3 Rep 1	257	8,086888771	0,0002
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Light	HC	HC3 Rep 2	21	4,267025763	0,0032
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Light	HC	HC3 Rep 3	563	8,867761613	0,0022
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Light	HC	HC4 Rep 1	279	8,577299795	0,0027
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Light	HC	HC4 Rep 2	2076	10,96060533	0,0137
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Light	HC	HC4 Rep 3	3218	11,56402595	0,0198
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Light	HC	HC5 Rep 1	243	7,973958513	0
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Light	HC	HC5 Rep 2	7	2,478386057	0,0007
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Light	HC	HC5 Rep 3	131	6,687384951	0,002
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Light	HC	HC6 Rep 1	474	8,950337683	0,0039
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Light	HC	HC6 Rep 2	1744	10,26062303	0,009
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Light	HC	HC6 Rep 3	853	9,277841702	0,0043
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	CD	CD1 Rep 1	688	9,556715167	0,0327
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	CD	CD1 Rep 2	1421	10,42286481	0,038
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	CD	CD1 Rep 3	1212	10,15349724	0,0318
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	CD	CD2 Rep 1	4361	12,75309724	0,1652
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	CD	CD2 Rep 2	7789	13,04437869	0,1623
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	CD	CD2 Rep 3	11653	13,46125886	0,1523
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	CD	CD3 Rep 1	24	4,765232148	0,0007
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	CD	CD3 Rep 2	46	5,450951385	0,0002
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	CD	CD3 Rep 3	16	3,815201554	0,0006
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	CD	CD4 Rep 1	34	5,268543407	0,001
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	CD	CD4 Rep 2	313	8,028591582	0,004
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	CD	CD4 Rep 3	246	7,671266195	0,0033
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	CD	CD5 Rep 1	8883	13,51019707	0,2182
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	CD	CD5 Rep 2	18934	14,2726977	0,2453
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	CD	CD5 Rep 3	19572	14,20837306	0,2537
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	CD	CD6 Rep 1	1468	10,72345206	0,041
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	CD	CD6 Rep 2	3292	11,38856667	0,0416
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	CD	CD6 Rep 3	3211	11,25263695	0,038
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	HC	HC1 Rep 1	1162	10,435601	0,0323

KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	HC	HC1 Rep 2	1830	10,87453507	0,0415
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	HC	HC1 Rep 3	1801	10,79295168	0,0398
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	HC	HC2 Rep 1	89	6,820160212	0,0026
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	HC	HC2 Rep 2	435	8,565324226	0,0056
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	HC	HC2 Rep 3	477	8,605936968	0,0063
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	HC	HC3 Rep 1	66	6,125658342	0,0023
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	HC	HC3 Rep 2	156	7,160110559	0,0015
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	HC	HC3 Rep 3	113	6,550949464	0,0016
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	HC	HC4 Rep 1	350	8,904389595	0,0098
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	HC	HC4 Rep 2	870	9,70588619	0,014
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	HC	HC4 Rep 3	1088	9,999540183	0,013
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	HC	HC5 Rep 1	9	3,219071011	0,0009
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	HC	HC5 Rep 2	62	5,625227446	0,0006
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	HC	HC5 Rep 3	33	4,698356068	0,0003
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	HC	HC6 Rep 1	98	6,676304278	0,0027
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	HC	HC6 Rep 2	224	7,299793626	0,0026
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Light	HC	HC6 Rep 3	204	7,213865112	0,0025
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	CD	CD1 Rep 1	1011	10,11201769	0,0382
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	CD	CD1 Rep 2	1815	10,77592781	0,0277
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	CD	CD1 Rep 3	1027	9,914543719	0,0367
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	CD	CD2 Rep 1	4295	12,73109638	0,1426
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	CD	CD2 Rep 2	10020	13,40775117	0,1788
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	CD	CD2 Rep 3	15091	13,83424585	0,1824
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	CD	CD3 Rep 1	121	7,099132884	0,0032
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	CD	CD3 Rep 2	254	7,916074115	0,0028
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	CD	CD3 Rep 3	208	7,515641272	0,0025
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	CD	CD4 Rep 1	49	5,79579041	0,0012
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	CD	CD4 Rep 2	281	7,872999055	0,003
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	CD	CD4 Rep 3	208	7,429191408	0,0025
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	CD	CD5 Rep 1	9859	13,6605914	0,2226
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	CD	CD5 Rep 2	22287	14,5079209	0,2424
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	CD	CD5 Rep 3	25502	14,59019227	0,2367
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	CD	CD6 Rep 1	1525	10,77840934	0,036

KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	CD	CD6 Rep 2	3695	11,55517669	0,039
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	CD	CD6 Rep 3	4408	11,70973851	0,0416
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	HC	HC1 Rep 1	1946	11,17950265	0,0417
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	HC	HC1 Rep 2	1739	10,80094935	0,0317
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	HC	HC1 Rep 3	1715	10,72236208	0,03
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	HC	HC2 Rep 1	166	7,719466212	0,0043
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	HC	HC2 Rep 2	393	8,418838137	0,0041
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	HC	HC2 Rep 3	397	8,341086709	0,004
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	HC	HC3 Rep 1	102	6,753689564	0,0016
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	HC	HC3 Rep 2	118	6,757351389	0,0012
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	HC	HC3 Rep 3	90	6,222623598	0,0019
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	HC	HC4 Rep 1	425	9,184497514	0,0114
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	HC	HC4 Rep 2	1048	9,974437601	0,0136
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	HC	HC4 Rep 3	1317	10,27511697	0,0146
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	HC	HC5 Rep 1	51	5,721571352	0,002
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	HC	HC5 Rep 2	149	6,890199656	0,001
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	HC	HC5 Rep 3	60	5,560852545	0,0013
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	HC	HC6 Rep 1	108	6,816481936	0,0026
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	HC	HC6 Rep 2	416	8,192878422	0,0044
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Light	HC	HC6 Rep 3	287	7,706346697	0,0026
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Light	CD	CD1 Rep 1	272	8,217913253	0,0031
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Light	CD	CD1 Rep 2	347	8,388965828	0,0045
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Light	CD	CD1 Rep 3	531	8,962891304	0,0037
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Light	CD	CD2 Rep 1	1137	10,81367051	0,0154
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Light	CD	CD2 Rep 2	1859	10,97746734	0,0127
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Light	CD	CD2 Rep 3	2609	11,30212629	0,0142
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Light	CD	CD3 Rep 1	13	3,880709365	0,0006
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Light	CD	CD3 Rep 2	81	6,267239431	0,0003
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Light	CD	CD3 Rep 3	33	4,859595673	0,0002
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Light	CD	CD4 Rep 1	5	2,503008661	0,0001
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Light	CD	CD4 Rep 2	30	4,64546333	0,0002
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Light	CD	CD4 Rep 3	35	4,858034706	0,0003
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Light	CD	CD5 Rep 1	1602	11,03902423	0,0187

KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	CD	CD5 Rep 2	2824	11,52753046	0,0209
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	CD	CD5 Rep 3	3144	11,570255	0,0198
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	CD	CD6 Rep 1	74	6,413269176	0,001
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	CD	CD6 Rep 2	454	8,530366533	0,003
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	CD	CD6 Rep 3	750	9,154576784	0,0045
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	HC	HC1 Rep 1	217	8,014757884	0,0028
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	HC	HC1 Rep 2	269	8,108369496	0,0025
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	HC	HC1 Rep 3	314	8,272989967	0,0029
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	HC	HC2 Rep 1	27	5,099314283	0,0004
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	HC	HC2 Rep 2	74	6,009906001	0,0005
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	HC	HC2 Rep 3	177	7,175697062	0,0011
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	HC	HC3 Rep 1	45	5,573117319	0,0001
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	HC	HC3 Rep 2	16	3,87470834	0,0003
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	HC	HC3 Rep 3	47	5,285359353	0,0006
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	HC	HC4 Rep 1	183	7,968878321	0,0023
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	HC	HC4 Rep 2	291	8,125889942	0,0021
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	HC	HC4 Rep 3	331	8,282764748	0,0023
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	HC	HC5 Rep 1	29	4,907127005	0,0006
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	HC	HC5 Rep 2	83	6,046070566	0,0002
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	HC	HC5 Rep 3	25	4,297818139	0,0004
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	HC	HC6 Rep 1	15	3,96848503	0,0002
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	HC	HC6 Rep 2	131	6,525861706	0,0008
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Light	HC	HC6 Rep 3	134	6,607528961	0,001
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	CD	CD1 Rep 1	12242	13,71000207	0,4468
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	CD	CD1 Rep 2	20239	14,25502436	0,3042
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	CD	CD1 Rep 3	15289	13,81052968	0,373
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	CD	CD2 Rep 1	34817	15,75015824	1,2209
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	CD	CD2 Rep 2	55249	15,87081702	1,0047
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	CD	CD2 Rep 3	69263	16,03264232	1,2118
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	CD	CD3 Rep 1	96	6,765232148	0,0089
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	CD	CD3 Rep 2	504	8,904669352	0,0027
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	CD	CD3 Rep 3	156	7,100603773	0,0029
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	CD	CD4 Rep 1	1167	10,36966941	0,0322

FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	CD	CD4 Rep 2	1652	10,42857071	0,0224
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	CD	CD4 Rep 3	1187	9,941855909	0,0176
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	CD	CD5 Rep 1	64789	16,37682707	2,098
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	CD	CD5 Rep 2	122304	16,96411815	2,3534
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	CD	CD5 Rep 3	114893	16,76180087	2,1051
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	CD	CD6 Rep 1	18212	14,35641755	0,4875
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	CD	CD6 Rep 2	24465	14,28224971	0,3529
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	CD	CD6 Rep 3	28521	14,40356694	0,3589
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	HC	HC1 Rep 1	5562	12,69459468	0,1656
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	HC	HC1 Rep 2	9051	13,18076862	0,157
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	HC	HC1 Rep 3	10572	13,34632993	0,1829
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	HC	HC2 Rep 1	1775	11,13803009	0,0502
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	HC	HC2 Rep 2	3016	11,35887335	0,0485
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	HC	HC2 Rep 3	4687	11,90254059	0,0654
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	HC	HC3 Rep 1	121	7,00012746	0,0146
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	HC	HC3 Rep 2	685	9,294668518	0,0071
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	HC	HC3 Rep 3	480	8,637661097	0,0033
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	HC	HC4 Rep 1	1995	11,41535151	0,0619
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	HC	HC4 Rep 2	3911	11,87433642	0,073
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	HC	HC4 Rep 3	5278	12,27785298	0,1519
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	HC	HC5 Rep 1	417	8,753049583	0,0139
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	HC	HC5 Rep 2	1035	9,686446188	0,0079
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	HC	HC5 Rep 3	429	8,398795787	0,0096
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	HC	HC6 Rep 1	1341	10,45068796	0,0348
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	HC	HC6 Rep 2	2004	10,4611055	0,0272
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	HC	HC6 Rep 3	2339	10,73311592	0,0301
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	CD	CD1 Rep 1	5730	12,61476984	0,412
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	CD	CD1 Rep 2	12160	13,52002958	0,4744
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	CD	CD1 Rep 3	11958	13,45601175	0,3364
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	CD	CD2 Rep 1	16849	14,70302931	1,4201
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	CD	CD2 Rep 2	28557	14,91871309	1,0419
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	CD	CD2 Rep 3	36493	15,1081772	1,2788
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	CD	CD3 Rep 1	208	7,880709365	0,0259

FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	CD	CD3 Rep 2	899	9,739566734	0,0311
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	CD	CD3 Rep 3	1033	9,827826093	0,0131
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	CD	CD4 Rep 1	450	8,994861757	0,0265
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	CD	CD4 Rep 2	301	7,972192411	0,0077
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	CD	CD4 Rep 3	70	5,858034706	0,0019
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	CD	CD5 Rep 1	28520	15,19305216	1,6541
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	CD	CD5 Rep 2	59022	15,91297128	1,9781
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	CD	CD5 Rep 3	55894	15,7222753	2,0806
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	CD	CD6 Rep 1	6379	12,84293037	0,3463
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	CD	CD6 Rep 2	13576	13,43258889	0,369
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	CD	CD6 Rep 3	16071	13,57600208	0,3985
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	HC	HC1 Rep 1	3019	11,81306169	0,1561
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	HC	HC1 Rep 2	5641	12,49864236	0,1694
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	HC	HC1 Rep 3	4297	12,04748328	0,156
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	HC	HC2 Rep 1	539	9,418568244	0,0319
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	HC	HC2 Rep 2	676	9,201332071	0,0186
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	HC	HC2 Rep 3	2252	10,84508262	0,0543
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	HC	HC3 Rep 1	554	9,195006388	0,0104
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	HC	HC3 Rep 2	319	8,192120954	0,0075
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	HC	HC3 Rep 3	307	7,992865347	0,0353
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	HC	HC4 Rep 1	869	10,21639085	0,0627
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	HC	HC4 Rep 2	2133	10,99968285	0,068
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	HC	HC4 Rep 3	1618	10,57207323	0,0702
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	HC	HC5 Rep 1	323	8,384536364	0,0043
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	HC	HC5 Rep 2	160	6,99295923	0,0021
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	HC	HC5 Rep 3	71	5,803709069	0,0146
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	HC	HC6 Rep 1	339	8,466735897	0,0162
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	HC	HC6 Rep 2	1274	9,807588266	0,0302
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	HC	HC6 Rep 3	1313	9,900090971	0,0289
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	CD	CD1 Rep 1	15167	14,01909854	0,2692
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	CD	CD1 Rep 2	12283	13,53454932	0,244
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	CD	CD1 Rep 3	11955	13,45564976	0,3419
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	CD	CD2 Rep 1	39557	15,93429936	1,3479

FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	CD	CD2 Rep 2	49360	15,70821106	1,0792
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	CD	CD2 Rep 3	43053	15,34667121	0,9825
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	CD	CD3 Rep 1	3735	12,04716217	0,0511
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	CD	CD3 Rep 2	2373	11,13988581	0,0314
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	CD	CD3 Rep 3	1511	10,3764895	0,0938
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	CD	CD4 Rep 1	359	8,6689206	0,0072
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	CD	CD4 Rep 2	927	9,594998263	0,0185
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	CD	CD4 Rep 3	1043	9,755275132	0,0164
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	CD	CD5 Rep 1	67068	16,42670276	1,6277
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	CD	CD5 Rep 2	85931	16,45489715	1,5215
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	CD	CD5 Rep 3	79137	16,22393425	1,9476
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	CD	CD6 Rep 1	10028	13,49556209	0,2657
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	CD	CD6 Rep 2	14890	13,56587418	0,2486
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	CD	CD6 Rep 3	17052	13,66148334	0,265
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	HC	HC1 Rep 1	8707	13,34116666	0,2569
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	HC	HC1 Rep 2	9930	13,31448514	0,2322
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	HC	HC1 Rep 3	8856	13,09080872	0,206
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	HC	HC2 Rep 1	2182	11,43586217	0,056
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	HC	HC2 Rep 2	2929	11,31664511	0,0642
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	HC	HC2 Rep 3	2012	10,6825061	0,0378
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	HC	HC3 Rep 1	1713	10,82357366	0,0304
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	HC	HC3 Rep 2	1194	10,09629546	0,021
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	HC	HC3 Rep 3	1022	9,727949982	0,0399
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	HC	HC4 Rep 1	6403	13,09771078	0,1852
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	HC	HC4 Rep 2	3083	11,53113377	0,0713
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	HC	HC4 Rep 3	4790	12,13788728	0,0999
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	HC	HC5 Rep 1	1285	10,37669865	0,0212
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	HC	HC5 Rep 2	1132	9,815689378	0,016
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	HC	HC5 Rep 3	975	9,583220358	0,0289
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	HC	HC6 Rep 1	1523	10,63429466	0,0318
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	HC	HC6 Rep 2	1162	9,674833057	0,0233
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	HC	HC6 Rep 3	2229	10,66362067	0,0327
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	CD	CD1 Rep 1	539	9,204591875	0,1432



FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	CD	CD1 Rep 2	1600	10,59403016	0,1327
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	CD	CD1 Rep 3	1482	10,44365299	0,1295
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	CD	CD2 Rep 1	2218	11,77769762	0,6367
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	CD	CD2 Rep 2	4204	12,15470324	0,5631
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	CD	CD2 Rep 3	7220	12,77062818	0,6218
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	CD	CD3 Rep 1	67	6,246358838	0,0422
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	CD	CD3 Rep 2	472	8,810032478	0,0488
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	CD	CD3 Rep 3	584	9,005026113	0,0105
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	CD	CD4 Rep 1	6	2,766043067	0,0011
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	CD	CD4 Rep 2	427	8,476664994	0,0337
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	CD	CD4 Rep 3	161	7,059668568	0,012
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	CD	CD5 Rep 1	3438	12,14071963	0,8117
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	CD	CD5 Rep 2	9773	13,31859187	0,6656
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	CD	CD5 Rep 3	9028	13,0920602	0,6498
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	CD	CD6 Rep 1	878	9,98189294	0,1965
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	CD	CD6 Rep 2	2558	11,02461859	0,1493
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	CD	CD6 Rep 3	2279	10,75801521	0,1412
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	HC	HC1 Rep 1	100	6,897062841	0,0211
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	HC	HC1 Rep 2	829	9,732135425	0,0923
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	HC	HC1 Rep 3	612	9,23575706	0,0496
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	HC	HC2 Rep 1	132	7,3888209	0,0254
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	HC	HC2 Rep 2	665	9,177663165	0,0547
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	HC	HC2 Rep 3	900	9,521872703	0,0647
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	HC	HC3 Rep 1	91	6,589058862	0,0076
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	HC	HC3 Rep 2	112	6,682063262	0,016
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	HC	HC3 Rep 3	189	7,293012926	0,0157
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	HC	HC4 Rep 1	271	8,535327524	0,0564
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	HC	HC4 Rep 2	529	8,988138511	0,0585
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	HC	HC4 Rep 3	1141	10,06816042	0,0975
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	HC	HC5 Rep 1	68	6,136608851	0,0034
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	HC	HC5 Rep 2	45	5,162884231	0,0087
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	HC	HC5 Rep 3	118	6,536604998	0,0114
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	HC	HC6 Rep 1	113	6,881773396	0,018

FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	HC	HC6 Rep 2	107	6,23390569	0,006
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	b8	Light	HC	HC6 Rep 3	119	6,436257534	0,0073
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	CD	CD1 Rep 1	3193	11,77114725	0,1457
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	CD	CD1 Rep 2	8410	12,98806406	0,1596
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	CD	CD1 Rep 3	8714	12,99944265	0,122
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	CD	CD2 Rep 1	9847	13,92812251	0,5575
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	CD	CD2 Rep 2	22099	14,54884975	0,4952
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	CD	CD2 Rep 3	32305	14,93231492	0,5283
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	CD	CD3 Rep 1	553	9,291405317	0,0204
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	CD	CD3 Rep 2	1272	10,24027238	0,0285
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	CD	CD3 Rep 3	1880	10,6917185	0,0222
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	CD	CD4 Rep 1	113	7,001259528	0,0046
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	CD	CD4 Rep 2	841	9,454534725	0,0118
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	CD	CD4 Rep 3	483	8,644631068	0,0069
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	CD	CD5 Rep 1	17613	14,49771884	1,0087
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	CD	CD5 Rep 2	49689	15,66464498	0,7569
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	CD	CD5 Rep 3	45843	15,43628333	0,7248
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	CD	CD6 Rep 1	3962	12,15582898	0,155
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	CD	CD6 Rep 2	11237	13,15978735	0,1441
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	CD	CD6 Rep 3	12265	13,18608961	0,1459
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	HC	HC1 Rep 1	1627	10,92120519	0,0621
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	HC	HC1 Rep 2	3591	11,84707707	0,0715
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	HC	HC1 Rep 3	3274	11,65520782	0,0606
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	HC	HC2 Rep 1	790	9,970135624	0,0389
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	HC	HC2 Rep 2	3596	11,61262994	0,0519
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	HC	HC2 Rep 3	4885	11,96223436	0,0693
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	HC	HC3 Rep 1	65	6,103632035	0,0024
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	HC	HC3 Rep 2	159	7,187591295	0,0024
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	HC	HC3 Rep 3	157	7,02539125	0,0023
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	HC	HC4 Rep 1	1170	10,6454713	0,0476
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	HC	HC4 Rep 2	2602	11,28641985	0,0435
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	HC	HC4 Rep 3	4301	11,98253376	0,069
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	HC	HC5 Rep 1	155	7,325270415	0,0051

FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	HC	HC5 Rep 2	325	8,015327043	0,005
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	HC	HC5 Rep 3	358	8,137777726	0,0053
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	HC	HC6 Rep 1	364	8,569389074	0,0125
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	HC	HC6 Rep 2	1103	9,59965578	0,0126
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y10	Light	HC	HC6 Rep 3	1786	10,34395614	0,0207
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	CD	CD1 Rep 1	3578	11,93538808	0,1545
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	CD	CD1 Rep 2	8575	13,01609493	0,1403
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	CD	CD1 Rep 3	7695	12,82002886	0,1232
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	CD	CD2 Rep 1	12193	14,23641948	0,4935
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	CD	CD2 Rep 2	24767	14,71328779	0,4788
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	CD	CD2 Rep 3	32187	14,92703556	0,5012
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	CD	CD3 Rep 1	1113	10,30050752	0,0271
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	CD	CD3 Rep 2	1787	10,73071335	0,0338
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	CD	CD3 Rep 3	2361	11,02038388	0,0416
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	CD	CD4 Rep 1	230	8,026570617	0,0078
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	CD	CD4 Rep 2	740	9,269954195	0,0098
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	CD	CD4 Rep 3	776	9,328664532	0,0103
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	CD	CD5 Rep 1	18095	14,53666929	0,7785
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	CD	CD5 Rep 2	49781	15,66731368	0,7671
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	CD	CD5 Rep 3	52069	15,62000657	0,7172
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	CD	CD6 Rep 1	4129	12,21539251	0,1516
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	CD	CD6 Rep 2	10869	13,11174964	0,1429
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	CD	CD6 Rep 3	13642	13,33959755	0,1534
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	HC	HC1 Rep 1	1641	10,93356617	0,0671
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	HC	HC1 Rep 2	3833	11,94116542	0,0725
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	HC	HC1 Rep 3	4084	11,97413637	0,0689
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	HC	HC2 Rep 1	977	10,27664153	0,044
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	HC	HC2 Rep 2	4224	11,84484675	0,0578
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	HC	HC2 Rep 3	4706	11,90837712	0,0576
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	HC	HC3 Rep 1	29	4,939245217	0,0076
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	HC	HC3 Rep 2	543	8,959516728	0,0023
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	HC	HC3 Rep 3	170	7,140161437	0,001
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	HC	HC4 Rep 1	1107	10,56561799	0,0438

FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	HC	HC4 Rep 2	3695	11,79237325	0,0531
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	HC	HC4 Rep 3	2891	11,40943023	0,0439
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	HC	HC5 Rep 1	68	6,136608851	0,0036
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	HC	HC5 Rep 2	273	7,763788276	0,0064
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	HC	HC5 Rep 3	460	8,499452	0,0022
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	HC	HC6 Rep 1	334	8,445298726	0,01
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	HC	HC6 Rep 2	2186	10,58651639	0,0234
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y11	Light	HC	HC6 Rep 3	1967	10,48322101	0,0203
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	CD	CD1 Rep 1	4631	12,30755845	0,1523
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	CD	CD1 Rep 2	9622	13,18229506	0,1146
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	CD	CD1 Rep 3	7137	12,71142531	0,1286
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	CD	CD2 Rep 1	13308	14,36266012	0,4953
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	CD	CD2 Rep 2	22088	14,54813146	0,423
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	CD	CD2 Rep 3	37962	15,16511344	0,5228
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	CD	CD3 Rep 1	1298	10,52234432	0,0265
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	CD	CD3 Rep 2	1896	10,81613268	0,0377
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	CD	CD3 Rep 3	2700	11,21394525	0,0362
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	CD	CD4 Rep 1	249	8,141082498	0,0069
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	CD	CD4 Rep 2	871	9,505101643	0,011
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	CD	CD4 Rep 3	676	9,129631126	0,0081
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	CD	CD5 Rep 1	23702	14,92608698	0,6924
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	CD	CD5 Rep 2	45264	15,53008255	0,8315
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	CD	CD5 Rep 3	51705	15,60988567	0,7508
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	CD	CD6 Rep 1	5088	12,51669877	0,1405
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	CD	CD6 Rep 2	13224	13,39468905	0,1742
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	CD	CD6 Rep 3	15353	13,51006297	0,1718
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	HC	HC1 Rep 1	3142	11,87067412	0,0961
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	HC	HC1 Rep 2	4762	12,25425904	0,0951
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	HC	HC1 Rep 3	4689	12,17343378	0,0753
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	HC	HC2 Rep 1	1400	10,79563789	0,0484
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	HC	HC2 Rep 2	5204	12,14585788	0,068
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	HC	HC2 Rep 3	5540	12,14376177	0,0663
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPSPDK	y8	Light	HC	HC3 Rep 1	280	8,210547239	0,0035

FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Light	HC	HC3 Rep 2	251	7,846251894	0,0092
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Light	HC	HC3 Rep 3	618	9,002233529	0,0074
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Light	HC	HC4 Rep 1	2404	11,68439966	0,0703
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Light	HC	HC4 Rep 2	3766	11,81983188	0,0523
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Light	HC	HC4 Rep 3	3752	11,78552145	0,0651
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Light	HC	HC5 Rep 1	209	7,756505142	0,0091
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Light	HC	HC5 Rep 2	706	9,134555508	0,0079
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Light	HC	HC5 Rep 3	612	8,911349792	0,0052
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Light	HC	HC6 Rep 1	688	9,487859189	0,0165
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Light	HC	HC6 Rep 2	1651	10,18156311	0,0174
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Light	HC	HC6 Rep 3	2381	10,75879168	0,0228
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	CD	CD1 Rep 1	40970	15,45273068	0,1576
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	CD	CD1 Rep 2	61611	15,86107431	0,1656
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	CD	CD1 Rep 3	68177	15,96732075	0,1748
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	CD	CD2 Rep 1	73785	16,8336939	0,6254
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	CD	CD2 Rep 2	161011	17,41395601	0,6377
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	CD	CD2 Rep 3	163328	17,27025768	0,7063
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	CD	CD3 Rep 1	11204	13,63199592	0,0486
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	CD	CD3 Rep 2	17222	13,9993545	0,0448
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	CD	CD3 Rep 3	16382	13,81502543	0,0519
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	CD	CD4 Rep 1	3808	12,07589833	0,0169
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	CD	CD4 Rep 2	6177	12,33126335	0,0148
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	CD	CD4 Rep 3	5010	12,01934658	0,0121
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	CD	CD5 Rep 1	139777	17,48613326	0,844
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	CD	CD5 Rep 2	272606	18,12046388	0,9024
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	CD	CD5 Rep 3	285213	18,07354971	0,843
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	CD	CD6 Rep 1	37552	15,40041794	0,1916
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	CD	CD6 Rep 2	65933	15,71253115	0,1677
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	CD	CD6 Rep 3	68714	15,67214645	0,1997
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	HC	HC1 Rep 1	20730	14,59263915	0,0998
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	HC	HC1 Rep 2	31747	14,99123978	0,0896
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	HC	HC1 Rep 3	31374	14,91565107	0,0901
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	HC	HC2 Rep 1	9452	13,55083069	0,0479

FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	HC	HC2 Rep 2	20290	14,10893388	0,0645
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	HC	HC2 Rep 3	20229	14,0122289	0,0573
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	HC	HC3 Rep 1	981	10,01937355	0,0071
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	HC	HC3 Rep 2	3069	11,45826127	0,0066
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	HC	HC3 Rep 3	2822	11,19327277	0,0045
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	HC	HC4 Rep 1	11857	13,98662989	0,0798
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	HC	HC4 Rep 2	20309	14,25084618	0,0721
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	HC	HC4 Rep 3	21734	14,31974344	0,0752
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	HC	HC5 Rep 1	3113	11,65323587	0,0085
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	HC	HC5 Rep 2	3398	11,40150127	0,0091
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	HC	HC5 Rep 3	4306	11,72609455	0,0136
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	HC	HC6 Rep 1	6439	12,71421537	0,0297
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	HC	HC6 Rep 2	9026	12,63230977	0,0192
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	HC	HC6 Rep 3	7673	12,44701481	0,0178
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	CD	CD1 Rep 1	45757	15,61215526	0,139
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	CD	CD1 Rep 2	55053	15,69870754	0,1477
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	CD	CD1 Rep 3	57758	15,72805642	0,1495
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	CD	CD2 Rep 1	89389	17,11046365	0,584
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	CD	CD2 Rep 2	157687	17,38386049	0,5887
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	CD	CD2 Rep 3	151916	17,16575936	0,5752
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	CD	CD3 Rep 1	11553	13,67624956	0,0446
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	CD	CD3 Rep 2	15961	13,88965285	0,0393
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	CD	CD3 Rep 3	14230	13,6118496	0,0422
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	CD	CD4 Rep 1	2605	11,52814822	0,0097
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	CD	CD4 Rep 2	4633	11,9163037	0,011
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	CD	CD4 Rep 3	5160	12,06190704	0,0117
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	CD	CD5 Rep 1	176070	17,81915539	0,8537
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	CD	CD5 Rep 2	268504	18,09859015	0,8045
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	CD	CD5 Rep 3	263760	17,96073576	0,8654
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	CD	CD6 Rep 1	36039	15,34108717	0,1462
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	CD	CD6 Rep 2	67759	15,75194301	0,1672
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	CD	CD6 Rep 3	65783	15,60925718	0,1532
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	HC	HC1 Rep 1	21996	14,67816022	0,0804

FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	HC	HC1 Rep 2	32259	15,01432123	0,0923
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	HC	HC1 Rep 3	28717	14,78798664	0,0954
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	HC	HC2 Rep 1	12597	13,96521935	0,0506
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	HC	HC2 Rep 2	24375	14,37356723	0,0685
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	HC	HC2 Rep 3	25047	14,32044171	0,0663
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	HC	HC3 Rep 1	1939	11,00236131	0,0043
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	HC	HC3 Rep 2	1809	10,69568503	0,0041
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	HC	HC3 Rep 3	1734	10,49065868	0,0065
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	HC	HC4 Rep 1	11211	13,90580583	0,0568
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	HC	HC4 Rep 2	17900	14,06868657	0,0674
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	HC	HC4 Rep 3	21553	14,30767842	0,0736
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	HC	HC5 Rep 1	2816	11,50857763	0,0096
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	HC	HC5 Rep 2	4063	11,65936078	0,007
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	HC	HC5 Rep 3	3244	11,31752005	0,0093
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	HC	HC6 Rep 1	6987	12,83205186	0,0238
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	HC	HC6 Rep 2	10583	12,86189973	0,022
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	HC	HC6 Rep 3	10299	12,87165641	0,0214
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	CD	CD1 Rep 1	32379	15,11322122	0,1572
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	CD	CD1 Rep 2	43271	15,35128682	0,1735
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	CD	CD1 Rep 3	46169	15,40496012	0,1703
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	CD	CD2 Rep 1	64025	16,62900169	0,6252
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	CD	CD2 Rep 2	113329	16,90731384	0,5751
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	CD	CD2 Rep 3	116935	16,78819235	0,6666
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	CD	CD3 Rep 1	7825	13,11414468	0,0386
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	CD	CD3 Rep 2	10006	13,21596717	0,0521
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	CD	CD3 Rep 3	13422	13,5275136	0,0462
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	CD	CD4 Rep 1	1949	11,10959894	0,0107
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	CD	CD4 Rep 2	2796	11,18772138	0,0094
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	CD	CD4 Rep 3	4371	11,82249935	0,0146
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	CD	CD5 Rep 1	115030	17,20501644	0,8435
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	CD	CD5 Rep 2	194847	17,63598828	0,842
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	CD	CD5 Rep 3	192907	17,50941547	0,8437
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	CD	CD6 Rep 1	26604	14,90317137	0,1547

FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	CD	CD6 Rep 2	45227	15,16871473	0,1487
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	CD	CD6 Rep 3	45606	15,08076602	0,1553
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	HC	HC1 Rep 1	16034	14,22205341	0,0946
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	HC	HC1 Rep 2	23355	14,54835096	0,091
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	HC	HC1 Rep 3	20044	14,26925204	0,0894
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	HC	HC2 Rep 1	12069	13,9034453	0,075
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	HC	HC2 Rep 2	17479	13,89378766	0,0788
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	HC	HC2 Rep 3	17012	13,76235665	0,061
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	HC	HC3 Rep 1	2677	11,46766565	0,0065
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	HC	HC3 Rep 2	1883	10,75352562	0,0046
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	HC	HC3 Rep 3	1448	10,23061639	0,0144
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	HC	HC4 Rep 1	10308	13,7846553	0,0862
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	HC	HC4 Rep 2	15309	13,84310703	0,0784
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	HC	HC4 Rep 3	15746	13,8547751	0,074
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	HC	HC5 Rep 1	1878	10,92412736	0,0071
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	HC	HC5 Rep 2	2149	10,7404809	0,0066
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	HC	HC5 Rep 3	2231	10,77743675	0,0094
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	HC	HC6 Rep 1	3828	11,96396955	0,0218
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	HC	HC6 Rep 2	7548	12,37431741	0,0217
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	HC	HC6 Rep 3	8315	12,56294032	0,0248
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	CD	CD1 Rep 1	6044	12,69173836	0,0584
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	CD	CD1 Rep 2	5530	12,38323774	0,0521
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	CD	CD1 Rep 3	5467	12,32685691	0,055
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	CD	CD2 Rep 1	22652	15,13000478	0,2417
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	CD	CD2 Rep 2	20283	14,42513972	0,1964
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	CD	CD2 Rep 3	22481	14,40926365	0,208
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	CD	CD3 Rep 1	4	2,180269647	0
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	CD	CD3 Rep 2	1	-0,072610571	0
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	CD	CD3 Rep 3	1	-0,184798446	0
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	CD	CD4 Rep 1	205	7,860560665	0,0018
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	CD	CD4 Rep 2	79	6,042353483	0,0007
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	CD	CD4 Rep 3	143	6,888623026	0,0012
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	CD	CD5 Rep 1	59070	16,24350379	0,5124



FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	CD	CD5 Rep 2	57308	15,87045502	0,523
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	CD	CD5 Rep 3	57333	15,75894765	0,5045
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	CD	CD6 Rep 1	7710	13,11633095	0,0615
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	CD	CD6 Rep 2	7393	12,55576224	0,0581
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	CD	CD6 Rep 3	8937	12,72940491	0,0712
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	HC	HC1 Rep 1	4785	12,47750986	0,0415
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	HC	HC1 Rep 2	3958	11,98746303	0,0437
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	HC	HC1 Rep 3	3603	11,79335215	0,0431
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	HC	HC2 Rep 1	997	10,30587648	0,008
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	HC	HC2 Rep 2	949	9,690716912	0,0086
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	HC	HC2 Rep 3	773	9,302416116	0,0073
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	HC	HC3 Rep 1	20	4,403192317	0,0007
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	HC	HC3 Rep 2	59	5,757351389	0,0008
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	HC	HC3 Rep 3	92	6,254332457	0,0002
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	HC	HC4 Rep 1	1156	10,62810417	0,0099
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	HC	HC4 Rep 2	1125	10,07672389	0,0102
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	HC	HC4 Rep 3	1518	10,48003342	0,0135
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	HC	HC5 Rep 1	118	6,931789059	0,0007
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	HC	HC5 Rep 2	74	5,880484501	0,0001
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	HC	HC5 Rep 3	14	3,461316871	0,0009
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	HC	HC6 Rep 1	531	9,114162485	0,0038
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	HC	HC6 Rep 2	415	8,18940623	0,0033
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Light	HC	HC6 Rep 3	305	7,794105203	0,0023
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	CD	CD1 Rep 1	4889	12,3857741	0,0581
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	CD	CD1 Rep 2	3255	11,6186158	0,0667
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	CD	CD1 Rep 3	3606	11,72650693	0,0666
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	CD	CD2 Rep 1	13896	14,425036	0,1932
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	CD	CD2 Rep 2	13154	13,80037024	0,208
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	CD	CD2 Rep 3	13221	13,64338874	0,2171
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	CD	CD3 Rep 1	3	1,765232148	0
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	CD	CD3 Rep 2	1	-0,072610571	0
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	CD	CD3 Rep 3	1	-0,184798446	0
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	CD	CD4 Rep 1	175	7,632291678	0,0021

FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	CD	CD4 Rep 2	9	2,908497736	0,0001
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	CD	CD4 Rep 3	168	7,121069112	0,0025
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	CD	CD5 Rep 1	38872	15,63980952	0,5477
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	CD	CD5 Rep 2	33169	15,08155399	0,4766
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	CD	CD5 Rep 3	31944	14,91512685	0,483
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	CD	CD6 Rep 1	5033	12,50101869	0,055
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	CD	CD6 Rep 2	4218	11,74616143	0,0602
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	CD	CD6 Rep 3	5963	12,14565262	0,0723
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	HC	HC1 Rep 1	3224	11,90784268	0,0384
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	HC	HC1 Rep 2	2038	11,02984547	0,0433
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	HC	HC1 Rep 3	2016	10,95564914	0,0405
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	HC	HC2 Rep 1	366	8,860126619	0,0043
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	HC	HC2 Rep 2	184	7,324014591	0,0025
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	HC	HC2 Rep 3	295	7,912662656	0,0045
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	HC	HC3 Rep 1	30	4,988154818	0,0007
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	HC	HC3 Rep 2	30	4,781598936	0,0002
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	HC	HC3 Rep 3	13	3,431210219	0,0004
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	HC	HC4 Rep 1	434	9,214729715	0,0054
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	HC	HC4 Rep 2	738	9,468491605	0,0129
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	HC	HC4 Rep 3	405	8,573855439	0,0061
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	HC	HC5 Rep 1	42	5,441463432	0,0001
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	HC	HC5 Rep 2	8	2,671031135	0,0001
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	HC	HC5 Rep 3	8	2,653961949	0,0005
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	HC	HC6 Rep 1	203	7,726930351	0,0022
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	HC	HC6 Rep 2	377	8,050859417	0,0046
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Light	HC	HC6 Rep 3	150	6,770258461	0,0019
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Light	CD	CD1 Rep 1	27823	14,89444078	0,1938
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Light	CD	CD1 Rep 2	33082	14,96393281	0,1903
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Light	CD	CD1 Rep 3	33703	14,95091265	0,1929
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Light	CD	CD2 Rep 1	16731	14,69289002	0,1441
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Light	CD	CD2 Rep 2	23932	14,66380963	0,1393
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Light	CD	CD2 Rep 3	28305	14,74161436	0,1652
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Light	CD	CD3 Rep 1	434	8,94182088	0

ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	CD	CD3 Rep 2	3	1,512351929	0,0022
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	CD	CD3 Rep 3	387	8,41139131	0,0028
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	CD	CD4 Rep 1	990	10,13236528	0,0069
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	CD	CD4 Rep 2	2401	10,96799242	0,0113
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	CD	CD4 Rep 3	2458	10,99202089	0,0122
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	CD	CD5 Rep 1	24522	14,97515483	0,1614
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	CD	CD5 Rep 2	28506	14,86298408	0,1684
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	CD	CD5 Rep 3	31843	14,91055814	0,1812
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	CD	CD6 Rep 1	35321	15,31205438	0,2489
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	CD	CD6 Rep 2	55029	15,45172254	0,2969
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	CD	CD6 Rep 3	53519	15,31159354	0,2325
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	HC	HC1 Rep 1	11332	13,72132154	0,0826
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	HC	HC1 Rep 2	13663	13,77489381	0,0839
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	HC	HC1 Rep 3	14079	13,75962646	0,0875
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	HC	HC2 Rep 1	3460	12,1009831	0,0242
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	HC	HC2 Rep 2	2926	11,31516669	0,015
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	HC	HC2 Rep 3	3230	11,36540996	0,0148
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	HC	HC3 Rep 1	547	9,176661245	0,0031
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	HC	HC3 Rep 2	575	9,042126486	0,0058
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	HC	HC3 Rep 3	1189	9,946303501	0,0033
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	HC	HC4 Rep 1	2718	11,86150822	0,0197
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	HC	HC4 Rep 2	4707	12,14160674	0,0282
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	HC	HC4 Rep 3	3506	11,68768762	0,0188
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	HC	HC5 Rep 1	409	8,725103042	0,0016
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	HC	HC5 Rep 2	339	8,076172598	0,0069
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	HC	HC5 Rep 3	1366	10,06970372	0,0026
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	HC	HC6 Rep 1	1886	10,94270839	0,0114
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	HC	HC6 Rep 2	4538	11,6402796	0,0204
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Light	HC	HC6 Rep 3	4632	11,71885931	0,0203
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	CD	CD1 Rep 1	26157	14,80535988	0,1432
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	CD	CD1 Rep 2	26159	14,62519375	0,1429
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	CD	CD1 Rep 3	26504	14,60424574	0,1261
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	CD	CD2 Rep 1	20461	14,983243	0,1719

ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	CD	CD2 Rep 2	27347	14,85625124	0,1651
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	CD	CD2 Rep 3	32721	14,95077428	0,1936
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	CD	CD3 Rep 1	9815	13,4410422	0,0509
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	CD	CD3 Rep 2	9617	13,15876063	0,0493
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	CD	CD3 Rep 3	9767	13,06890134	0,0497
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	CD	CD4 Rep 1	2189	11,27713681	0,0112
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	CD	CD4 Rep 2	1845	10,58797784	0,0109
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	CD	CD4 Rep 3	2440	10,98141712	0,0105
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	CD	CD5 Rep 1	39408	15,65956671	0,2547
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	CD	CD5 Rep 2	45069	15,52385391	0,2004
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	CD	CD5 Rep 3	39053	15,20501525	0,2529
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	CD	CD6 Rep 1	46269	15,70157411	0,2448
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	CD	CD6 Rep 2	50493	15,32761382	0,2248
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	CD	CD6 Rep 3	52715	15,28975592	0,2508
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	HC	HC1 Rep 1	12543	13,86780148	0,0677
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	HC	HC1 Rep 2	12839	13,68515235	0,0748
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	HC	HC1 Rep 3	13375	13,68562049	0,0747
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	HC	HC2 Rep 1	2539	11,65447146	0,0168
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	HC	HC2 Rep 2	2712	11,2055941	0,0151
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	HC	HC2 Rep 3	5244	12,06454348	0,0277
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	HC	HC3 Rep 1	1445	10,578118	0,0043
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	HC	HC3 Rep 2	955	9,774065263	0,0055
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	HC	HC3 Rep 3	1262	10,0322667	0,0068
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	HC	HC4 Rep 1	4534	12,59974716	0,0283
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	HC	HC4 Rep 2	5687	12,41446669	0,0348
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	HC	HC4 Rep 3	6648	12,61078201	0,0357
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	HC	HC5 Rep 1	420	8,763391527	0,0049
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	HC	HC5 Rep 2	1137	9,822047674	0,0059
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	HC	HC5 Rep 3	1400	10,10517306	0,002
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	HC	HC6 Rep 1	4060	12,04885845	0,0209
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	HC	HC6 Rep 2	4650	11,6754537	0,0176
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	HC	HC6 Rep 3	4360	11,63155219	0,021
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	CD	CD1 Rep 1	55162	15,88183756	0,1225

ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	CD	CD1 Rep 2	56128	15,72660701	0,118
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	CD	CD1 Rep 3	57120	15,71203161	0,1288
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	CD	CD2 Rep 1	26858	15,37571822	0,1085
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	CD	CD2 Rep 2	31035	15,03876481	0,0851
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	CD	CD2 Rep 3	43555	15,36339579	0,1164
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	CD	CD3 Rep 1	18342	14,34313298	0,0403
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	CD	CD3 Rep 2	18162	14,07602489	0,0451
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	CD	CD3 Rep 3	18762	14,01072756	0,0472
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	CD	CD4 Rep 1	4351	12,26821187	0,0105
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	CD	CD4 Rep 2	4672	11,92839729	0,0108
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	CD	CD4 Rep 3	5061	12,03395845	0,0092
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	CD	CD5 Rep 1	48398	15,95602561	0,1434
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	CD	CD5 Rep 2	59959	15,93569479	0,1133
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	CD	CD5 Rep 3	48166	15,50759699	0,1448
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	CD	CD6 Rep 1	85564	16,58853212	0,2306
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	CD	CD6 Rep 2	111937	16,47614551	0,2219
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	CD	CD6 Rep 3	116294	16,43124714	0,2725
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	HC	HC1 Rep 1	20309	14,56303824	0,0519
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	HC	HC1 Rep 2	23899	14,58156977	0,0567
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	HC	HC1 Rep 3	23275	14,48486277	0,0577
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	HC	HC2 Rep 1	4384	12,44245886	0,0129
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	HC	HC2 Rep 2	5236	12,15470202	0,0122
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	HC	HC2 Rep 3	5955	12,2479773	0,013
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	HC	HC3 Rep 1	705	9,54274367	0,0036
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	HC	HC3 Rep 2	1918	10,78009534	0,0018
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	HC	HC3 Rep 3	982	9,670349716	0,0015
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	HC	HC4 Rep 1	8842	13,5633355	0,0279
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	HC	HC4 Rep 2	13612	13,67360604	0,0332
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	HC	HC4 Rep 3	11391	13,38768413	0,0261
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	HC	HC5 Rep 1	2505	11,3397409	0,0066
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	HC	HC5 Rep 2	3468	11,43091932	0,0048
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	HC	HC5 Rep 3	2656	11,02900138	0,0055
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	HC	HC6 Rep 1	6055	12,62550568	0,0133

ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	HC	HC6 Rep 2	8171	12,48873564	0,0137
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	HC	HC6 Rep 3	8429	12,58258554	0,0176
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	CD	CD1 Rep 1	20552	14,45744159	0,6857
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	CD	CD1 Rep 2	56289	15,73073937	0,6947
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	CD	CD1 Rep 3	65499	15,90950851	0,7568
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	CD	CD2 Rep 1	357760	19,11128653	18,8527
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	CD	CD2 Rep 2	995909	20,04281068	17,3224
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	CD	CD2 Rep 3	1481506	20,4514781	20,0765
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	CD	CD3 Rep 1	8295	13,19829591	0,2975
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	CD	CD3 Rep 2	25221	14,54972729	0,346
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	CD	CD3 Rep 3	31485	14,7575786	0,3144
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	CD	CD4 Rep 1	2	1,181080566	0,0001
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	CD	CD4 Rep 2	437	8,510062204	0,0044
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	CD	CD4 Rep 3	24	4,31371419	0,0002
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	CD	CD5 Rep 1	19086	14,61359296	0,8513
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	CD	CD5 Rep 2	66250	16,07963892	0,8653
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	CD	CD5 Rep 3	58295	15,78295402	0,799
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	CD	CD6 Rep 1	12784	13,8458675	0,4568
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	CD	CD6 Rep 2	42051	15,06367053	0,3921
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	CD	CD6 Rep 3	50320	15,2226743	0,4348
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	HC	HC1 Rep 1	24440	14,83016332	0,9442
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	HC	HC1 Rep 2	72927	16,19107256	0,8992
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	HC	HC1 Rep 3	65487	15,97729014	0,8551
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	HC	HC2 Rep 1	37	5,553880146	0,0015
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	HC	HC2 Rep 2	213	7,535162255	0,0023
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	HC	HC2 Rep 3	873	9,477929356	0,0084
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	HC	HC3 Rep 1	878	9,859341352	0,0356
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	HC	HC3 Rep 2	4360	11,96482076	0,0368
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	HC	HC3 Rep 3	4086	11,72724399	0,0251
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	HC	HC4 Rep 1	3578	12,25811615	0,1354
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	HC	HC4 Rep 2	8860	13,05410558	0,0971
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	HC	HC4 Rep 3	10147	13,22084297	0,1034
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	HC	HC5 Rep 1	200	7,693002199	0,0041

type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	HC	HC5 Rep 2	474	8,559774384	0,0022
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	HC	HC5 Rep 3	251	7,625505503	0,0066
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	HC	HC6 Rep 1	53	5,789514888	0,0016
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	HC	HC6 Rep 2	414	8,185925662	0,0031
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	HC	HC6 Rep 3	338	7,942319207	0,0028
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	CD	CD1 Rep 1	17531	14,22807108	0,7169
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	CD	CD1 Rep 2	56235	15,72935468	0,7173
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	CD	CD1 Rep 3	63587	15,86676748	0,6882
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	CD	CD2 Rep 1	328579	18,98853472	19,8448
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	CD	CD2 Rep 2	935085	19,95189427	18,4696
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	CD	CD2 Rep 3	1406623	20,37664934	18,1661
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	CD	CD3 Rep 1	7138	12,98157383	0,3228
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	CD	CD3 Rep 2	26232	14,60642962	0,295
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	CD	CD3 Rep 3	27256	14,54948779	0,3196
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	CD	CD4 Rep 1	17	4,268543407	0,0007
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	CD	CD4 Rep 2	128	6,738572735	0,0016
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	CD	CD4 Rep 3	425	8,46007072	0,0048
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	CD	CD5 Rep 1	18635	14,579093	0,9053
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	CD	CD5 Rep 2	64847	16,0487583	0,9132
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	CD	CD5 Rep 3	53939	15,67091065	1,0001
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	CD	CD6 Rep 1	11830	13,73397826	0,4461
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	CD	CD6 Rep 2	46484	15,20826464	0,4946
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	CD	CD6 Rep 3	49987	15,21309532	0,4759
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	HC	HC1 Rep 1	23352	14,76446515	0,9622
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	HC	HC1 Rep 2	69430	16,12017868	0,9689
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	HC	HC1 Rep 3	63766	15,93886898	0,8968
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	HC	HC2 Rep 1	95	6,914282389	0,0037
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	HC	HC2 Rep 2	341	8,214080564	0,004
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	HC	HC2 Rep 3	366	8,22379135	0,0038
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	HC	HC3 Rep 1	920	9,926754273	0,0305
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	HC	HC3 Rep 2	3306	11,56557935	0,0289
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	HC	HC3 Rep 3	2902	11,23360231	0,0323
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	HC	HC4 Rep 1	4693	12,64947323	0,2204

type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	HC	HC4 Rep 2	14915	13,80549096	0,1735
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	HC	HC4 Rep 3	14721	13,7576654	0,1636
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	HC	HC5 Rep 1	75	6,2779647	0,0005
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	HC	HC5 Rep 2	55	5,452390849	0,0013
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	HC	HC5 Rep 3	140	6,783244966	0,0034
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	HC	HC6 Rep 1	29	4,919575429	0,001
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	HC	HC6 Rep 2	306	7,749826547	0,0024
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	HC	HC6 Rep 3	88	6,000871389	0,0008
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	CD	CD1 Rep 1	45538	15,60523372	0,6707
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	CD	CD1 Rep 2	114022	16,74912666	0,7402
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	CD	CD1 Rep 3	132638	16,92745789	0,7562
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	CD	CD2 Rep 1	887834	20,4225844	21,4148
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	CD	CD2 Rep 2	2006672	21,05352968	19,5123
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	CD	CD2 Rep 3	3021726	21,47978648	18,9452
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	CD	CD3 Rep 1	18416	14,34894177	0,3741
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	CD	CD3 Rep 2	59475	15,78738517	0,3151
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	CD	CD3 Rep 3	58950	15,66240575	0,3354
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	CD	CD4 Rep 1	61	6,111817903	0,001
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	CD	CD4 Rep 2	155	7,01469714	0,0008
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	CD	CD4 Rep 3	264	7,773145809	0,0013
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	CD	CD5 Rep 1	50968	16,03066992	0,8928
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	CD	CD5 Rep 2	128743	17,03814056	0,8731
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	CD	CD5 Rep 3	112842	16,73581411	1,0416
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	CD	CD6 Rep 1	32381	15,18667573	0,5267
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	CD	CD6 Rep 2	88661	16,13983006	0,4296
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	CD	CD6 Rep 3	103731	16,26631758	0,4406
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	HC	HC1 Rep 1	58408	16,08708502	0,901
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	HC	HC1 Rep 2	130745	17,03330338	0,8076
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	HC	HC1 Rep 3	128898	16,95423957	0,9572
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	HC	HC2 Rep 1	129	7,355654036	0,0022
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	HC	HC2 Rep 2	1035	9,815867687	0,0056
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	HC	HC2 Rep 3	1094	9,803488535	0,0054
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	HC	HC3 Rep 1	2625	11,43936593	0,0392



type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	HC	HC3 Rep 2	8698	12,96117633	0,0433
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	HC	HC3 Rep 3	8937	12,85634541	0,0396
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	HC	HC4 Rep 1	8642	13,530328	0,1585
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	HC	HC4 Rep 2	21624	14,3413604	0,121
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	HC	HC4 Rep 3	23129	14,40949261	0,1288
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	HC	HC5 Rep 1	282	8,188697362	0,0005
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	HC	HC5 Rep 2	117	6,541395855	0,0004
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	HC	HC5 Rep 3	75	5,88278064	0,0042
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	HC	HC6 Rep 1	138	7,170118891	0,002
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	HC	HC6 Rep 2	608	8,740366217	0,0025
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	HC	HC6 Rep 3	379	8,107493809	0,0016
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	CD	CD1 Rep 1	140108	17,22663022	1,1765
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	CD	CD1 Rep 2	124811	16,87955954	1,0933
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	CD	CD1 Rep 3	129364	16,89139992	0,9488
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	CD	CD2 Rep 1	2439666	21,88090619	26,192
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	CD	CD2 Rep 2	2774643	21,52102701	26,1625
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	CD	CD2 Rep 3	3190977	21,55841184	26,8187
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	CD	CD3 Rep 1	61634	16,09170845	0,4283
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	CD	CD3 Rep 2	56146	15,70428505	0,4993
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	CD	CD3 Rep 3	63135	15,76135394	0,4309
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	CD	CD4 Rep 1	21	4,573397989	0,0002
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	CD	CD4 Rep 2	51	5,410998077	0,0003
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	CD	CD4 Rep 3	11	3,188183308	0,0001
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	CD	CD5 Rep 1	134235	17,42776716	0,9974
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	CD	CD5 Rep 2	104625	16,73887419	1,237
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	CD	CD5 Rep 3	162058	17,25802021	1,3267
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	CD	CD6 Rep 1	88778	16,6417304	0,7687
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	CD	CD6 Rep 2	98492	16,29153697	0,6118
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	CD	CD6 Rep 3	112226	16,37987743	0,6806
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	HC	HC1 Rep 1	159332	17,53488317	1,3135
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	HC	HC1 Rep 2	152485	17,25521494	1,3994
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	HC	HC1 Rep 3	155460	17,22455311	1,5211
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	HC	HC2 Rep 1	333	8,723805148	0,0024

type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	HC	HC2 Rep 2	256	7,800452635	0,0018
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	HC	HC2 Rep 3	143	6,867962849	0,0009
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	HC	HC3 Rep 1	7825	13,01513926	0,0579
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	HC	HC3 Rep 2	8723	12,96531701	0,0576
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	HC	HC3 Rep 3	8584	12,79820486	0,0482
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	HC	HC4 Rep 1	17325	14,53374621	0,1511
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	HC	HC4 Rep 2	17320	14,02116591	0,1436
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	HC	HC4 Rep 3	13938	13,67881328	0,1346
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	HC	HC5 Rep 1	246	7,991660515	0,0035
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	HC	HC5 Rep 2	525	8,707204748	0
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	HC	HC5 Rep 3	7	2,461316871	0,0015
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	HC	HC6 Rep 1	131	7,095017435	0,001
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	HC	HC6 Rep 2	34	4,579901545	0,0002
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Light	HC	HC6 Rep 3	331	7,912127177	0,0021
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	CD	CD1 Rep 1	121312	17,01881315	1,1383
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	CD	CD1 Rep 2	144121	17,08709502	0,8532
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	CD	CD1 Rep 3	131020	16,90975078	0,8525
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	CD	CD2 Rep 1	2312326	21,80356734	28,8791
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	CD	CD2 Rep 2	3031644	21,64882521	25,6683
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	CD	CD2 Rep 3	3516848	21,69869661	27,9572
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	CD	CD3 Rep 1	52069	15,84840673	0,4369
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	CD	CD3 Rep 2	65028	15,91616286	0,4386
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	CD	CD3 Rep 3	69923	15,90868102	0,4008
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	CD	CD4 Rep 1	6	2,766043067	0
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	CD	CD4 Rep 2	386	8,331029772	0,0023
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	CD	CD4 Rep 3	469	8,602195802	0,0033
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	CD	CD5 Rep 1	116428	17,22244433	1,1024
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	CD	CD5 Rep 2	142039	17,17993367	1,2411
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	CD	CD5 Rep 3	185280	17,45121713	1,1144
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	CD	CD6 Rep 1	87674	16,62367726	0,738
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	CD	CD6 Rep 2	103886	16,36845977	0,5214
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	CD	CD6 Rep 3	122552	16,5068645	0,6969
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	HC	HC1 Rep 1	155053	17,49560857	1,3666

type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	HC	HC1 Rep 2	176800	17,46866588	1,2218
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	HC	HC1 Rep 3	185917	17,48266839	1,5174
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	HC	HC2 Rep 1	75	6,573245471	0,0006
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	HC	HC2 Rep 2	128	6,800452635	0,0008
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	HC	HC2 Rep 3	10	3,030019607	0,0001
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	HC	HC3 Rep 1	9133	13,23813734	0,0413
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	HC	HC3 Rep 2	7733	12,79152084	0,0579
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	HC	HC3 Rep 3	10742	13,12174551	0,0601
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	HC	HC4 Rep 1	13996	14,22590543	0,1214
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	HC	HC4 Rep 2	19403	14,18500671	0,1345
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	HC	HC4 Rep 3	13836	13,66821664	0,1029
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	HC	HC5 Rep 1	16	4,04914601	0
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	HC	HC5 Rep 2	3	1,255993636	0
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	HC	HC5 Rep 3	3	1,23892445	0,0001
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	HC	HC6 Rep 1	9	3,231519435	0,0001
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	HC	HC6 Rep 2	2	0,492438704	0
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Light	HC	HC6 Rep 3	13	3,241879489	0,0001
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	CD	CD1 Rep 1	258782	18,11182816	1,7614
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	CD	CD1 Rep 2	322281	18,24813359	1,4329
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	CD	CD1 Rep 3	326675	18,22781978	1,3596
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	CD	CD2 Rep 1	3949133	22,57575849	37,3293
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	CD	CD2 Rep 2	5978674	22,6285504	38,9711
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	CD	CD2 Rep 3	6133603	22,50114842	44,548
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	CD	CD3 Rep 1	129993	17,16834406	0,6498
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	CD	CD3 Rep 2	146681	17,08971191	0,6137
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	CD	CD3 Rep 3	140572	16,91615129	0,7577
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	CD	CD4 Rep 1	79	6,484861314	0,0004
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	CD	CD4 Rep 2	91	6,246367375	0,0004
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	CD	CD4 Rep 3	363	8,232577427	0,0015
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	CD	CD5 Rep 1	229891	18,20395626	1,8077
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	CD	CD5 Rep 2	381035	18,60357009	1,6629
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	CD	CD5 Rep 3	353891	18,38481504	1,573
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	CD	CD6 Rep 1	161548	17,50541917	0,9933

type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	CD	CD6 Rep 2	215608	17,42186923	1,1234
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	CD	CD6 Rep 3	233785	17,43865284	0,9307
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	HC	HC1 Rep 1	314086	18,51400676	1,8527
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	HC	HC1 Rep 2	389699	18,60890784	1,9318
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	HC	HC1 Rep 3	389885	18,55105834	1,8474
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	HC	HC2 Rep 1	530	9,39427533	0,0034
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	HC	HC2 Rep 2	95	6,370308243	0,0005
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	HC	HC2 Rep 3	411	8,391086096	0,0021
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	HC	HC3 Rep 1	12130	13,64755615	0,0521
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	HC	HC3 Rep 2	13479	13,59313419	0,0704
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	HC	HC3 Rep 3	17081	13,79087532	0,0622
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	HC	HC4 Rep 1	26485	15,14606637	0,1892
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	HC	HC4 Rep 2	42177	15,30518346	0,2274
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	HC	HC4 Rep 3	43400	15,31748476	0,2215
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	HC	HC5 Rep 1	178	7,524879441	0,001
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	HC	HC5 Rep 2	265	7,720879685	0,0006
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	HC	HC5 Rep 3	171	7,071814464	0,0009
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	HC	HC6 Rep 1	79	6,365375182	0,0005
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	HC	HC6 Rep 2	116	6,350419699	0,0005
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Light	HC	HC6 Rep 3	33	4,58583389	0,0001
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	CD	CD1 Rep 1	308995	18,36767438	1,138
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	CD	CD1 Rep 2	551411	19,0229425	1,0779
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	CD	CD1 Rep 3	597649	19,09926216	1,149
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	CD	CD2 Rep 1	5880177	23,15008212	28,8567
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	CD	CD2 Rep 2	11856282	23,61630462	39,3125
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	CD	CD2 Rep 3	12658581	23,54645742	29,7679
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	CD	CD3 Rep 1	107189	16,89006698	0,4975
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	CD	CD3 Rep 2	255210	17,88871476	0,4414
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	CD	CD3 Rep 3	220234	17,56387924	0,4328
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	CD	CD4 Rep 1	1012	10,16407414	0,0037
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	CD	CD4 Rep 2	613	8,998315998	0,0011
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	CD	CD4 Rep 3	804	9,379803381	0,0014
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	CD	CD5 Rep 1	324149	18,69966339	1,4456

type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	CD	CD5 Rep 2	656581	19,38861957	1,4005
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	CD	CD5 Rep 3	679120	19,32517649	1,4441
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	CD	CD6 Rep 1	198573	17,80312576	0,8829
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	CD	CD6 Rep 2	415403	18,36797016	0,7056
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	CD	CD6 Rep 3	421583	18,28928717	0,6857
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	HC	HC1 Rep 1	348028	18,66205051	1,3215
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	HC	HC1 Rep 2	627889	19,29705715	1,4624
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	HC	HC1 Rep 3	679407	19,35228577	1,5806
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	HC	HC2 Rep 1	19	4,592354294	0,0001
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	HC	HC2 Rep 2	648	9,140302638	0,0012
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	HC	HC2 Rep 3	805	9,360936485	0,0015
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	HC	HC3 Rep 1	15855	14,03391448	0,0644
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	HC	HC3 Rep 2	23267	14,38070592	0,0603
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	HC	HC3 Rep 3	32465	14,71736809	0,0615
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	HC	HC4 Rep 1	41446	15,79212373	0,1692
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	HC	HC4 Rep 2	85751	16,32888047	0,1975
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	HC	HC4 Rep 3	85195	16,29055848	0,1829
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	HC	HC5 Rep 1	1757	10,82804449	0,0018
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	HC	HC5 Rep 2	1011	9,652598417	0,0016
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	HC	HC5 Rep 3	1004	9,625505503	0,0058
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	HC	HC6 Rep 1	121	6,980457671	0,0005
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	HC	HC6 Rep 2	339	7,897580167	0,0005
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Light	HC	HC6 Rep 3	762	9,115086958	0,0011
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	CD	CD1 Rep 1	171363	17,51714653	1,0773
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	CD	CD1 Rep 2	197211	17,53955447	1,0272
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	CD	CD1 Rep 3	222060	17,67091327	1,1708
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	CD	CD2 Rep 1	2951998	22,15591428	28,9967
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	CD	CD2 Rep 2	4534487	22,2296642	34,6358
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	CD	CD2 Rep 3	4933659	22,18707163	28,0467
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	CD	CD3 Rep 1	63558	16,13605575	0,4895
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	CD	CD3 Rep 2	99086	16,52378304	0,5441
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	CD	CD3 Rep 3	94921	16,34964123	0,4524
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	CD	CD4 Rep 1	231	8,032829607	0,0016

type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	CD	CD4 Rep 2	708	9,206178285	0,0033
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	CD	CD4 Rep 3	617	8,997878369	0,0027
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	CD	CD5 Rep 1	160711	17,68747495	1,2985
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	CD	CD5 Rep 2	241659	17,94661929	1,283
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	CD	CD5 Rep 3	253075	17,90107497	1,3641
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	CD	CD6 Rep 1	100685	16,82330505	0,7264
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	CD	CD6 Rep 2	163704	17,02454809	0,6494
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	CD	CD6 Rep 3	173965	17,01226755	0,7009
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	HC	HC1 Rep 1	176412	17,68179583	1,4406
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	HC	HC1 Rep 2	214721	17,7490109	1,3005
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	HC	HC1 Rep 3	224097	17,75213303	1,3072
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	HC	HC2 Rep 1	440	9,125786494	0,0035
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	HC	HC2 Rep 2	465	8,661539541	0,0021
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	HC	HC2 Rep 3	524	8,741514514	0,0024
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	HC	HC3 Rep 1	6524	12,75280529	0,064
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	HC	HC3 Rep 2	9076	13,02254923	0,0661
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	HC	HC3 Rep 3	13919	13,49553845	0,0464
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	HC	HC4 Rep 1	22914	14,93712019	0,1926
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	HC	HC4 Rep 2	31693	14,89289121	0,1736
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	HC	HC4 Rep 3	33646	14,95022472	0,1757
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	HC	HC5 Rep 1	338	8,450025446	0,0006
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	HC	HC5 Rep 2	130	6,693398948	0,003
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	HC	HC5 Rep 3	734	9,173598202	0,0021
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	HC	HC6 Rep 1	679	9,468862198	0,0049
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	HC	HC6 Rep 2	919	9,336359755	0,0033
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Light	HC	HC6 Rep 3	756	9,103682195	0,0028
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	CD	CD1 Rep 1	181872	17,60301434	0,9689
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	CD	CD1 Rep 2	155864	17,2001022	0,8921
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	CD	CD1 Rep 3	141713	17,02293584	1,0374
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	CD	CD2 Rep 1	2916966	22,13869111	29,1869
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	CD	CD2 Rep 2	3289936	21,76678437	25,6561
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	CD	CD2 Rep 3	3589794	21,72831469	27,904
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	CD	CD3 Rep 1	89283	16,62636753	0,5385

type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	CD	CD3 Rep 2	74003	16,10268557	0,4597
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	CD	CD3 Rep 3	75973	16,02840072	0,5862
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	CD	CD4 Rep 1	585	9,37337338	0,0035
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	CD	CD4 Rep 2	439	8,516649864	0,0026
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	CD	CD4 Rep 3	175	7,179962801	0,001
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	CD	CD5 Rep 1	168626	17,75683327	1,4829
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	CD	CD5 Rep 2	187421	17,57992918	1,2271
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	CD	CD5 Rep 3	166214	17,29455187	1,3778
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	CD	CD6 Rep 1	91435	16,6842747	0,616
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	CD	CD6 Rep 2	119267	16,56765344	0,7033
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	CD	CD6 Rep 3	113905	16,40130155	0,773
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	HC	HC1 Rep 1	213467	17,95686019	1,418
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	HC	HC1 Rep 2	193688	17,60028218	1,3378
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	HC	HC1 Rep 3	196048	17,55921662	1,3656
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	HC	HC2 Rep 1	138	7,452951238	0,001
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	HC	HC2 Rep 2	1302	10,14696637	0,0086
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	HC	HC2 Rep 3	896	9,515446434	0,0053
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	HC	HC3 Rep 1	12257	13,66258251	0,0517
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	HC	HC3 Rep 2	7002	12,64825969	0,0607
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	HC	HC3 Rep 3	10327	13,06490409	0,0745
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	HC	HC4 Rep 1	25438	15,08787611	0,2114
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	HC	HC4 Rep 2	19714	14,20794751	0,147
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	HC	HC4 Rep 3	28927	14,73220643	0,1919
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	HC	HC5 Rep 1	68	6,136608851	0,0032
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	HC	HC5 Rep 2	530	8,720879685	0,0032
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	HC	HC5 Rep 3	584	8,843786508	0,0004
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	HC	HC6 Rep 1	392	8,676304278	0,0024
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	HC	HC6 Rep 2	907	9,317397445	0,0048
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	HC	HC6 Rep 3	471	8,42102302	0,0026
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	CD	CD1 Rep 1	821	9,811688824	0,0414
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	CD	CD1 Rep 2	2290	11,11130586	0,0392
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	CD	CD1 Rep 3	1158	10,08774279	0,0418
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	CD	CD2 Rep 1	2440	11,9153194	0,0753

DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	CD	CD2 Rep 2	4206	12,15538942	0,0648
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	CD	CD2 Rep 3	6588	12,6384699	0,0842
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	CD	CD3 Rep 1	615	9,444712247	0,0188
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	CD	CD3 Rep 2	1843	10,77522978	0,0226
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	CD	CD3 Rep 3	1980	10,76648627	0,0163
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	CD	CD4 Rep 1	156	7,466482785	0,0045
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	CD	CD4 Rep 2	408	8,410998077	0,0048
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	CD	CD4 Rep 3	563	8,865742802	0,0089
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	CD	CD5 Rep 1	10178	13,70653227	0,2361
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	CD	CD5 Rep 2	25810	14,71964861	0,2677
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	CD	CD5 Rep 3	26694	14,65609738	0,2608
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	CD	CD6 Rep 1	2911	11,71111493	0,0808
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	CD	CD6 Rep 2	6443	12,35733492	0,0764
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	CD	CD6 Rep 3	9824	12,86592484	0,1056
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	HC	HC1 Rep 1	852	9,987916272	0,0214
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	HC	HC1 Rep 2	1720	10,78509998	0,0238
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	HC	HC1 Rep 3	2209	11,08754692	0,0302
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	HC	HC2 Rep 1	2039	11,33807284	0,0535
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	HC	HC2 Rep 2	3722	11,66231498	0,0384
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	HC	HC2 Rep 3	4579	11,86890836	0,048
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	HC	HC3 Rep 1	121	7,00012746	0,0037
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	HC	HC3 Rep 2	321	8,201137827	0,0034
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	HC	HC3 Rep 3	326	8,079498656	0,0025
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	HC	HC4 Rep 1	885	10,24271213	0,0262
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	HC	HC4 Rep 2	2009	10,91327645	0,0223
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	HC	HC4 Rep 3	1938	10,8324302	0,0184
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	HC	HC5 Rep 1	129	7,060373265	0,0078
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	HC	HC5 Rep 2	598	8,895032809	0,0049
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	HC	HC5 Rep 3	288	7,82388695	0,0049
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	HC	HC6 Rep 1	446	8,862494334	0,013
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	HC	HC6 Rep 2	1754	10,26887174	0,0174
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	HC	HC6 Rep 3	1055	9,584467054	0,0106
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	CD	CD1 Rep 1	7441	12,99173122	0,0503



DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	CD	CD1 Rep 2	19998	14,23774208	0,0401
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	CD	CD1 Rep 3	11184	13,3594719	0,0479
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	CD	CD2 Rep 1	16175	14,64413206	0,0739
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	CD	CD2 Rep 2	30754	15,02564273	0,0684
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	CD	CD2 Rep 3	40806	15,26933874	0,0697
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	CD	CD3 Rep 1	2910	11,68707309	0,0106
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	CD	CD3 Rep 2	7377	12,77620795	0,0126
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	CD	CD3 Rep 3	8167	12,81079207	0,0093
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	CD	CD4 Rep 1	775	9,779133066	0,0028
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	CD	CD4 Rep 2	3208	11,38603116	0,005
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	CD	CD4 Rep 3	2114	10,77451135	0,0042
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	CD	CD5 Rep 1	77147	16,62868823	0,235
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	CD	CD5 Rep 2	174889	17,48008612	0,245
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	CD	CD5 Rep 3	175401	17,37216694	0,266
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	CD	CD6 Rep 1	18553	14,38318068	0,0662
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	CD	CD6 Rep 2	55712	15,46951853	0,0959
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	CD	CD6 Rep 3	62119	15,52657698	0,0902
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	HC	HC1 Rep 1	9721	13,50009567	0,0303
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	HC	HC1 Rep 2	14394	13,85008708	0,0274
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	HC	HC1 Rep 3	17707	14,0904014	0,0316
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	HC	HC2 Rep 1	10438	13,69398447	0,0368
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	HC	HC2 Rep 2	22065	14,22992476	0,0346
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	HC	HC2 Rep 3	22478	14,16431757	0,0353
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	HC	HC3 Rep 1	895	9,887008094	0,0022
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	HC	HC3 Rep 2	1355	10,27878548	0,0022
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	HC	HC3 Rep 3	1459	10,24153467	0,0025
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	HC	HC4 Rep 1	4133	12,46615213	0,0149
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	HC	HC4 Rep 2	6597	12,62860899	0,0109
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	HC	HC4 Rep 3	7640	12,81143426	0,0111
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	HC	HC5 Rep 1	906	9,87251325	0,0043
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	HC	HC5 Rep 2	2466	10,93898822	0,0046
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	HC	HC5 Rep 3	1839	10,49866771	0,0043
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	HC	HC6 Rep 1	2012	11,03600902	0,0071

DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	HC	HC6 Rep 2	6791	12,22184702	0,0091
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	HC	HC6 Rep 3	6499	12,2074418	0,0103
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	CD	CD1 Rep 1	13790	13,88178525	0,3253
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	CD	CD1 Rep 2	18703	14,14115605	0,4168
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	CD	CD1 Rep 3	21433	14,29786943	0,2914
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	CD	CD2 Rep 1	21088	15,02678862	0,5232
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	CD	CD2 Rep 2	22778	14,59250974	0,4196
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	CD	CD2 Rep 3	24310	14,52210733	0,3981
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	CD	CD3 Rep 1	4305	12,25206717	0,0944
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	CD	CD3 Rep 2	5106	12,24536725	0,0905
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	CD	CD3 Rep 3	5346	12,19944568	0,0943
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	CD	CD4 Rep 1	348	8,624024062	0,0085
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	CD	CD4 Rep 2	2521	11,03835314	0,0382
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	CD	CD4 Rep 3	2404	10,95997287	0,035
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	CD	CD5 Rep 1	60252	16,27208731	1,4762
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	CD	CD5 Rep 2	83665	16,41634269	1,5679
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	CD	CD5 Rep 3	89485	16,40122774	1,3915
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	CD	CD6 Rep 1	24504	14,78454546	0,5108
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	CD	CD6 Rep 2	36380	14,85467597	0,6112
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	CD	CD6 Rep 3	37231	14,78804675	0,5777
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	HC	HC1 Rep 1	8035	13,22528896	0,189
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	HC	HC1 Rep 2	8512	13,09218957	0,1519
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	HC	HC1 Rep 3	10088	13,27872178	0,2188
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	HC	HC2 Rep 1	3213	11,99413205	0,0722
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	HC	HC2 Rep 2	6031	12,35863415	0,0973
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	HC	HC2 Rep 3	4599	11,87519599	0,071
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	HC	HC3 Rep 1	1476	10,60874123	0,041
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	HC	HC3 Rep 2	1726	10,62792509	0,01
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	HC	HC3 Rep 3	653	9,081709683	0,0344
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	HC	HC4 Rep 1	5643	12,91542512	0,1486
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	HC	HC4 Rep 2	7461	12,80616789	0,1314
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	HC	HC4 Rep 3	7053	12,69609867	0,1093
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	HC	HC5 Rep 1	1330	10,42635654	0,029

DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	HC	HC5 Rep 2	1869	10,53908199	0,0106
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	HC	HC5 Rep 3	803	9,303218127	0,0252
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	HC	HC6 Rep 1	2808	11,51692165	0,0548
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	HC	HC6 Rep 2	2698	10,89011334	0,0359
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	HC	HC6 Rep 3	3279	11,22047996	0,0421
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	CD	CD1 Rep 1	11999	13,68107697	0,3301
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	CD	CD1 Rep 2	15063	13,82889549	0,3497
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	CD	CD1 Rep 3	17876	14,03605958	0,3446
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	CD	CD2 Rep 1	12975	14,32610088	0,5253
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	CD	CD2 Rep 2	21302	14,49585755	0,4079
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	CD	CD2 Rep 3	25795	14,60764889	0,4755
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	CD	CD3 Rep 1	1903	11,07432949	0,0625
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	CD	CD3 Rep 2	3019	11,48724447	0,0751
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	CD	CD3 Rep 3	3842	11,72284336	0,0512
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	CD	CD4 Rep 1	965	10,0954657	0,0287
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	CD	CD4 Rep 2	2043	10,73504622	0,0353
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	CD	CD4 Rep 3	1997	10,69237031	0,0316
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	CD	CD5 Rep 1	42647	15,77352244	1,2942
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	CD	CD5 Rep 2	70543	16,1702214	1,3597
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	CD	CD5 Rep 3	73208	16,11158319	1,484
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	CD	CD6 Rep 1	17460	14,29558175	0,4955
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	CD	CD6 Rep 2	28797	14,51744895	0,5074
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	CD	CD6 Rep 3	32571	14,59513039	0,5009
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	HC	HC1 Rep 1	5191	12,59500342	0,1629
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	HC	HC1 Rep 2	8613	13,10920725	0,1834
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	HC	HC1 Rep 3	7921	12,92983608	0,1681
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	HC	HC2 Rep 1	2439	11,59650082	0,0793
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	HC	HC2 Rep 2	4330	11,88060394	0,0778
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	HC	HC2 Rep 3	4015	11,67927578	0,0684
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	HC	HC3 Rep 1	658	9,443207996	0,0412
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	HC	HC3 Rep 2	1653	10,56557935	0,0244
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	HC	HC3 Rep 3	1590	10,36558155	0,0168
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	HC	HC4 Rep 1	4034	12,43117385	0,1439

DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	HC	HC4 Rep 2	8286	12,9574747	0,1511
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	HC	HC4 Rep 3	7735	12,82926292	0,1534
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	HC	HC5 Rep 1	104	6,749585728	0,0142
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	HC	HC5 Rep 2	831	9,369735802	0,01
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	HC	HC5 Rep 3	637	8,969111511	0,0027
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	HC	HC6 Rep 1	834	9,765498007	0,0215
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	HC	HC6 Rep 2	2493	10,77610587	0,0378
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	HC	HC6 Rep 3	1476	10,06891678	0,0214
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	CD	CD1 Rep 1	39419	15,39705397	0,4662
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	CD	CD1 Rep 2	60729	15,84027197	0,4282
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	CD	CD1 Rep 3	59190	15,76338909	0,4482
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	CD	CD2 Rep 1	43182	16,06079641	0,643
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	CD	CD2 Rep 2	63342	16,06803109	0,602
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	CD	CD2 Rep 3	81361	16,26489485	0,619
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	CD	CD3 Rep 1	15728	14,12131725	0,1808
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	CD	CD3 Rep 2	24163	14,48790139	0,1648
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	CD	CD3 Rep 3	25579	14,4578738	0,1946
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	CD	CD4 Rep 1	4619	12,35444454	0,0555
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	CD	CD4 Rep 2	7558	12,62236154	0,0524
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	CD	CD4 Rep 3	7413	12,58459349	0,0475
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	CD	CD5 Rep 1	130337	17,38525297	1,9994
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	CD	CD5 Rep 2	230599	17,87903282	1,9636
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	CD	CD5 Rep 3	245544	17,85749154	1,7737
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	CD	CD6 Rep 1	58572	16,04173935	0,7041
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	CD	CD6 Rep 2	111325	16,46823613	0,7739
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	CD	CD6 Rep 3	108907	16,33656716	0,7215
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	HC	HC1 Rep 1	16431	14,25733932	0,2093
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	HC	HC1 Rep 2	27671	14,7929943	0,2324
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	HC	HC1 Rep 3	23244	14,48293996	0,1762
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	HC	HC2 Rep 1	20416	14,66183939	0,2467
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	HC	HC2 Rep 2	33424	14,82904941	0,2392
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	HC	HC2 Rep 3	35022	14,80406537	0,2525
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	HC	HC3 Rep 1	3618	11,90224091	0,0396

DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	HC	HC3 Rep 2	6311	12,49836125	0,0472
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	HC	HC3 Rep 3	7283	12,56108763	0,0396
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	HC	HC4 Rep 1	9527	13,67098476	0,1346
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	HC	HC4 Rep 2	15086	13,82193731	0,111
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	HC	HC4 Rep 3	13756	13,65985074	0,1023
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	HC	HC5 Rep 1	3198	11,69210023	0,037
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	HC	HC5 Rep 2	6164	12,26068228	0,0366
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	HC	HC5 Rep 3	5947	12,19190831	0,0347
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	HC	HC6 Rep 1	5747	12,55018777	0,059
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	HC	HC6 Rep 2	12256	13,07363929	0,0685
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	HC	HC6 Rep 3	12535	13,15511415	0,075
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	CD	CD1 Rep 1	8591	13,19906077	0,0379
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	CD	CD1 Rep 2	11777	13,47385844	0,039
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	CD	CD1 Rep 3	12872	13,56227186	0,0468
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	CD	CD2 Rep 1	48559	16,23010506	0,3718
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	CD	CD2 Rep 2	90557	16,58369483	0,3468
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	CD	CD2 Rep 3	103914	16,61787557	0,3655
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	CD	CD3 Rep 1	238	8,075087411	0,0026
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	CD	CD3 Rep 2	821	9,60862784	0,0031
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	CD	CD3 Rep 3	1023	9,813791984	0,0012
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	CD	CD4 Rep 1	2081	11,20414182	0,0132
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	CD	CD4 Rep 2	3369	11,45667745	0,0101
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	CD	CD4 Rep 3	4011	11,69849794	0,0118
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	CD	CD5 Rep 1	72181	16,53269731	0,4659
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	CD	CD5 Rep 2	132527	17,07993288	0,4694
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	CD	CD5 Rep 3	140222	17,04922269	0,4994
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	CD	CD6 Rep 1	15768	14,14852787	0,0925
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	CD	CD6 Rep 2	32065	14,67252983	0,0879
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	CD	CD6 Rep 3	37268	14,78947978	0,095
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	HC	HC1 Rep 1	1231	10,5188217	0,0071
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	HC	HC1 Rep 2	451	8,853890757	0,0015
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	HC	HC1 Rep 3	399	8,618614154	0,0013
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	HC	HC2 Rep 1	673	9,738889475	0,0042

TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	HC	HC2 Rep 2	1083	9,881270163	0,0032
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	HC	HC2 Rep 3	10	3,030019607	0
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	HC	HC3 Rep 1	803	9,7305204	0,0017
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	HC	HC3 Rep 2	601	9,105929521	0,005
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	HC	HC3 Rep 3	1792	10,53812542	0,004
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	HC	HC4 Rep 1	689	9,881538656	0,0046
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	HC	HC4 Rep 2	1388	10,37980645	0,006
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	HC	HC4 Rep 3	696	9,355020837	0,0029
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	HC	HC5 Rep 1	874	9,820635479	0,0093
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	HC	HC5 Rep 2	3353	11,3822679	0,0095
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	HC	HC5 Rep 3	3221	11,30725489	0,0047
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	HC	HC6 Rep 1	1707	10,79884178	0,0087
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	HC	HC6 Rep 2	5447	11,90368486	0,0151
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	HC	HC6 Rep 3	4478	11,67007858	0,0103
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	CD	CD1 Rep 1	6848	12,8719174	0,0493
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	CD	CD1 Rep 2	11639	13,45685346	0,0436
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	CD	CD1 Rep 3	11769	13,43302737	0,0474
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	CD	CD2 Rep 1	42695	16,04443347	0,417
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	CD	CD2 Rep 2	74365	16,29949244	0,3381
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	CD	CD2 Rep 3	85813	16,34175366	0,3539
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	CD	CD3 Rep 1	1309	10,53451903	0,0089
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	CD	CD3 Rep 2	2230	11,05021742	0,0078
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	CD	CD3 Rep 3	2078	10,83618149	0,0095
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	CD	CD4 Rep 1	2972	11,71829897	0,0229
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	CD	CD4 Rep 2	6177	12,33126335	0,0227
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	CD	CD4 Rep 3	5094	12,04333493	0,0174
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	CD	CD5 Rep 1	57090	16,19431624	0,4802
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	CD	CD5 Rep 2	113387	16,85490181	0,4527
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	CD	CD5 Rep 3	109791	16,69626977	0,5344
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	CD	CD6 Rep 1	12999	13,86992883	0,0968
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	CD	CD6 Rep 2	33330	14,72835174	0,1138
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	CD	CD6 Rep 3	33206	14,62298632	0,1005
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	HC	HC1 Rep 1	697	9,698221497	0,0056

TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	HC	HC1 Rep 2	1345	10,43029759	0,0057
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	HC	HC1 Rep 3	1267	10,28557003	0,0054
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	HC	HC2 Rep 1	623	9,627515134	0,005
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	HC	HC2 Rep 2	433	8,55867585	0,0016
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	HC	HC2 Rep 3	791	9,335625397	0,0031
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	HC	HC3 Rep 1	1405	10,53761864	0,0055
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	HC	HC3 Rep 2	1734	10,63459652	0,0044
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	HC	HC3 Rep 3	1253	10,0219412	0,0094
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	HC	HC4 Rep 1	3062	12,03343705	0,0285
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	HC	HC4 Rep 2	5692	12,41573455	0,024
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	HC	HC4 Rep 3	5470	12,32940246	0,0235
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	HC	HC5 Rep 1	365	8,560898663	0,0026
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	HC	HC5 Rep 2	749	9,219853044	0,0036
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	HC	HC5 Rep 3	1041	9,677716302	0,0024
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	HC	HC6 Rep 1	1665	10,7629009	0,0113
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	HC	HC6 Rep 2	3700	11,34574826	0,012
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	HC	HC6 Rep 3	3566	11,34153076	0,0105
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	CD	CD1 Rep 1	24654	14,71998453	0,0647
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	CD	CD1 Rep 2	10623	13,3250776	0,0591
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	CD	CD1 Rep 3	10793	13,30813156	0,0691
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	CD	CD2 Rep 1	145511	17,81342266	0,5778
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	CD	CD2 Rep 2	73778	16,28805935	0,4595
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	CD	CD2 Rep 3	84767	16,32406017	0,4238
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	CD	CD3 Rep 1	3817	12,07849312	0,0101
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	CD	CD3 Rep 2	1923	10,83653248	0,0159
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	CD	CD3 Rep 3	2763	11,2472214	0,0118
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	CD	CD4 Rep 1	8470	13,22922682	0,0273
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	CD	CD4 Rep 2	4144	11,75538102	0,0216
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	CD	CD4 Rep 3	4187	11,76045289	0,0213
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	CD	CD5 Rep 1	197125	17,98211703	0,5082
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	CD	CD5 Rep 2	96150	16,61700533	0,5648
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	CD	CD5 Rep 3	114348	16,7549411	0,6841
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	CD	CD6 Rep 1	46468	15,70776574	0,1301

TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	CD	CD6 Rep 2	25921	14,3656518	0,1276
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	CD	CD6 Rep 3	27296	14,34023193	0,1276
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	HC	HC1 Rep 1	6002	12,80443425	0,0203
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	HC	HC1 Rep 2	3650	11,87058788	0,023
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	HC	HC1 Rep 3	2480	11,25449362	0,0144
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	HC	HC2 Rep 1	4564	12,50050986	0,0129
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	HC	HC2 Rep 2	2360	11,00502378	0,0112
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	HC	HC2 Rep 3	1912	10,60895832	0,0094
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	HC	HC3 Rep 1	1501	10,63297248	0,0064
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	HC	HC3 Rep 2	1159	10,05337319	0,0048
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	HC	HC3 Rep 3	971	9,654097987	0,0046
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	HC	HC4 Rep 1	8799	13,55630234	0,0339
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	HC	HC4 Rep 2	3042	11,51181904	0,0185
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	HC	HC4 Rep 3	3714	11,77083544	0,0193
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	HC	HC5 Rep 1	2333	11,2371166	0,0041
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	HC	HC5 Rep 2	886	9,462194024	0,0059
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	HC	HC5 Rep 3	1260	9,953169967	0,0066
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	HC	HC6 Rep 1	10818	13,46274062	0,0286
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	HC	HC6 Rep 2	3756	11,36742005	0,0161
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	HC	HC6 Rep 3	5309	11,9156642	0,0219
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	CD	CD1 Rep 1	10187	13,44489204	0,1047
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	CD	CD1 Rep 2	7804	12,88017204	0,1398
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	CD	CD1 Rep 3	7709	12,82265127	0,1117
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	CD	CD2 Rep 1	54720	16,40243458	0,8858
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	CD	CD2 Rep 2	45112	15,57837991	0,6958
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	CD	CD2 Rep 3	52052	15,62051104	0,7787
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	CD	CD3 Rep 1	155	7,456394052	0,0075
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	CD	CD3 Rep 2	548	9,025421512	0,0137
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	CD	CD3 Rep 3	1034	9,829222024	0,0017
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	CD	CD4 Rep 1	2099	11,21656702	0,0252
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	CD	CD4 Rep 2	2192	10,83660482	0,0257
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	CD	CD4 Rep 3	1618	10,38874758	0,0212
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	CD	CD5 Rep 1	67951	16,44557296	0,9129



TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	CD	CD5 Rep 2	61632	15,97539808	0,8302
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	CD	CD5 Rep 3	62530	15,88413039	0,8478
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	CD	CD6 Rep 1	18323	14,36518392	0,2154
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	CD	CD6 Rep 2	19094	13,92464979	0,2035
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	CD	CD6 Rep 3	18109	13,74824926	0,1729
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	HC	HC1 Rep 1	1361	10,663658	0,0172
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	HC	HC1 Rep 2	921	9,88396448	0,013
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	HC	HC1 Rep 3	1115	10,10119721	0,0166
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	HC	HC2 Rep 1	1635	11,0195017	0,0196
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	HC	HC2 Rep 2	930	9,661539541	0,0113
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	HC	HC2 Rep 3	52	5,40853123	0,0007
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	HC	HC3 Rep 1	1126	10,21825533	0,0036
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	HC	HC3 Rep 2	205	7,554188439	0,0037
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	HC	HC3 Rep 3	328	8,088322506	0,0121
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	HC	HC4 Rep 1	624	9,738580702	0,0101
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	HC	HC4 Rep 2	1728	10,6959021	0,0253
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	HC	HC4 Rep 3	1938	10,8324302	0,0269
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	HC	HC5 Rep 1	611	9,304174579	0,006
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	HC	HC5 Rep 2	539	8,745172598	0,0006
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	HC	HC5 Rep 3	54	5,408849451	0,0064
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	HC	HC6 Rep 1	2397	11,28860863	0,0268
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	HC	HC6 Rep 2	1328	9,867478135	0,0138
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Light	HC	HC6 Rep 3	2303	10,71073847	0,025
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	CD	CD1 Rep 1	14	3,937805334	0,0012
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	CD	CD1 Rep 2	166	7,325213407	0,0039
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	CD	CD1 Rep 3	429	8,65515709	0,0001
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	CD	CD2 Rep 1	87	7,105597462	0,0011
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	CD	CD2 Rep 2	731	9,630883881	0,0064
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	CD	CD2 Rep 3	263	7,991764051	0,0021
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	CD	CD3 Rep 1	1	0,180269647	0,0027
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	CD	CD3 Rep 2	307	8,189484274	0,0056
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	CD	CD3 Rep 3	748	9,362096014	0
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	CD	CD4 Rep 1	173	7,615708794	0,0015

surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	CD	CD4 Rep 2	885	9,52810638	0,0055
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	CD	CD4 Rep 3	123	6,671266195	0,0008
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	CD	CD5 Rep 1	2704	11,79424523	0,0397
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	CD	CD5 Rep 2	4866	12,3125267	0,0485
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	CD	CD5 Rep 3	5795	12,45246244	0,0283
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	CD	CD6 Rep 1	18	4,373740812	0,0002
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	CD	CD6 Rep 2	743	9,241036446	0,0056
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	CD	CD6 Rep 3	665	8,981040529	0,0042
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	HC	HC1 Rep 1	18	4,423131653	0,0002
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	HC	HC1 Rep 2	388	8,636819976	0,0031
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	HC	HC1 Rep 3	110	6,759728931	0,0009
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	HC	HC2 Rep 1	538	9,415889143	0,0055
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	HC	HC2 Rep 2	2168	10,88260168	0,019
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	HC	HC2 Rep 3	999	9,67243238	0,0079
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	HC	HC3 Rep 1	51	5,753689564	0,005
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	HC	HC3 Rep 2	701	9,327978974	0,0017
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	HC	HC3 Rep 3	243	7,655583005	0,0004
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	HC	HC4 Rep 1	92	6,976740439	0,001
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	HC	HC4 Rep 2	87	6,383958095	0,0007
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	HC	HC4 Rep 3	2920	11,42383	0,0244
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	HC	HC5 Rep 1	20521	14,37395943	0,2365
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	HC	HC5 Rep 2	35504	14,78672509	0,2084
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	HC	HC5 Rep 3	32464	14,6405151	0,1832
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	HC	HC6 Rep 1	239	7,962461242	0,002
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	HC	HC6 Rep 2	1387	9,930190776	0,009
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	HC	HC6 Rep 3	1857	10,40019787	0,0116
surface Bacteroidales	1939312	DNTTTDIYENSZR	y6	Light	CD	CD1 Rep 1	2	1,130450412	0
surface Bacteroidales	1939312	DNTTTDIYENSZR	y6	Light	CD	CD1 Rep 2	1	-0,049826025	0
surface Bacteroidales	1939312	DNTTTDIYENSZR	y6	Light	CD	CD1 Rep 3	1	-0,089676747	0
surface Bacteroidales	1939312	DNTTTDIYENSZR	y6	Light	CD	CD2 Rep 1	128	7,662653966	0,0005
surface Bacteroidales	1939312	DNTTTDIYENSZR	y6	Light	CD	CD2 Rep 2	8	3,117156285	0
surface Bacteroidales	1939312	DNTTTDIYENSZR	y6	Light	CD	CD2 Rep 3	3	1,537807562	0
surface Bacteroidales	1939312	DNTTTDIYENSZR	y6	Light	CD	CD3 Rep 1	6	2,765232148	0,0002

surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	CD	CD3 Rep 2	63	5,904669352	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	CD	CD3 Rep 3	1	-0,184798446	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	CD	CD4 Rep 1	183	7,696780404	0,0006
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	CD	CD4 Rep 2	210	7,452818252	0,0008
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	CD	CD4 Rep 3	373	8,27178351	0,0014
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	CD	CD5 Rep 1	139	7,512306871	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	CD	CD5 Rep 2	9	3,233931092	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	CD	CD5 Rep 3	3	1,536831996	0,0006
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	CD	CD6 Rep 1	2	1,20381581	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	CD	CD6 Rep 2	6	2,288780546	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	CD	CD6 Rep 3	1	-0,396170001	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	HC	HC1 Rep 1	2	1,253206651	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	HC	HC1 Rep 2	4	2,036907134	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	HC	HC1 Rep 3	2	0,978369218	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	HC	HC2 Rep 1	3062	11,92468535	0,0093
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	HC	HC2 Rep 2	2399	11,02867008	0,009
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	HC	HC2 Rep 3	1991	10,66736902	0,0084
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	HC	HC3 Rep 1	44	5,540695841	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	HC	HC3 Rep 2	2	0,87470834	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	HC	HC3 Rep 3	5	2,052698596	0,0001
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	HC	HC4 Rep 1	79	6,756959231	0,0003
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	HC	HC4 Rep 2	4	1,941014599	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	HC	HC4 Rep 3	2	0,912077341	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	HC	HC5 Rep 1	287747	18,18358737	0,7142
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	HC	HC5 Rep 2	193723	17,23466686	0,6602
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	HC	HC5 Rep 3	192630	17,20943483	0,9223
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	HC	HC6 Rep 1	98	6,676304278	0,0003
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	HC	HC6 Rep 2	442	8,280341263	0,0014
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Light	HC	HC6 Rep 3	37	4,750893136	0,0001
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	CD	CD1 Rep 1	3	1,715412913	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	CD	CD1 Rep 2	1	-0,049826025	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	CD	CD1 Rep 3	1	-0,089676747	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	CD	CD2 Rep 1	2	1,662653966	0

surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	CD	CD2 Rep 2	1	0,117156285	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	CD	CD2 Rep 3	3	1,537807562	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	CD	CD3 Rep 1	1	0,180269647	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	CD	CD3 Rep 2	2	0,927389429	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	CD	CD3 Rep 3	1	-0,184798446	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	CD	CD4 Rep 1	210	7,895326084	0,0027
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	CD	CD4 Rep 2	247	7,686939966	0,0027
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	CD	CD4 Rep 3	317	8,03709072	0,0033
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	CD	CD5 Rep 1	4	2,393365798	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	CD	CD5 Rep 2	1	0,064006091	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	CD	CD5 Rep 3	1	-0,048130504	0,0001
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	CD	CD6 Rep 1	3	1,788778311	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	CD	CD6 Rep 2	1	-0,296181955	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	CD	CD6 Rep 3	4	1,603829999	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	HC	HC1 Rep 1	3	1,838169152	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	HC	HC1 Rep 2	3	1,621869635	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	HC	HC1 Rep 3	1	-0,021630782	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	HC	HC2 Rep 1	603	9,580440973	0,0073
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	HC	HC2 Rep 2	647	9,138074537	0,0088
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	HC	HC2 Rep 3	711	9,181797262	0,0102
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	HC	HC3 Rep 1	9	3,251189224	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	HC	HC3 Rep 2	3	1,459670841	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	HC	HC3 Rep 3	3	1,315733002	0,0001
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	HC	HC4 Rep 1	7	3,260533405	0,0001
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	HC	HC4 Rep 2	1	-0,058985401	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	HC	HC4 Rep 3	5	2,234005436	0,0001
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	HC	HC5 Rep 1	70742	16,1594254	0,7686
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	HC	HC5 Rep 2	70362	15,77354001	0,7159
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	HC	HC5 Rep 3	67587	15,69842011	0,7884
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	HC	HC6 Rep 1	2	1,061594434	0
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	HC	HC6 Rep 2	59	5,375081753	0,0005
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Light	HC	HC6 Rep 3	11	3,000871389	0,0001
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	CD	CD1 Rep 1	224	7,937805334	0,0071

surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	CD	CD1 Rep 2	787	9,570393801	0,004
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	CD	CD1 Rep 3	487	8,838101215	0,0032
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	CD	CD2 Rep 1	1616	11,32086545	0,0347
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	CD	CD2 Rep 2	2546	11,43117299	0,0236
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	CD	CD2 Rep 3	4128	11,96407232	0,034
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	CD	CD3 Rep 1	89	6,656003078	0,0012
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	CD	CD3 Rep 2	147	7,127061773	0,002
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	CD	CD3 Rep 3	239	7,716068362	0,0016
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	CD	CD4 Rep 1	83	6,556119997	0,0012
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	CD	CD4 Rep 2	296	7,9480261	0,0021
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	CD	CD4 Rep 3	574	8,893658616	0,0039
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	CD	CD5 Rep 1	2437	11,64425633	0,0314
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	CD	CD5 Rep 2	3683	11,91067177	0,0262
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	CD	CD5 Rep 3	3184	11,58849412	0,0479
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	CD	CD6 Rep 1	380	8,773671418	0,0061
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	CD	CD6 Rep 2	748	9,250712505	0,005
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	CD	CD6 Rep 3	805	9,256674972	0,0053
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	HC	HC1 Rep 1	283	8,397864894	0,0043
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	HC	HC1 Rep 2	303	8,280081117	0,0033
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	HC	HC1 Rep 3	315	8,277577236	0,0028
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	HC	HC2 Rep 1	484	9,263290018	0,0081
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	HC	HC2 Rep 2	276	7,908977092	0,002
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	HC	HC2 Rep 3	412	8,394592039	0,0034
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	HC	HC3 Rep 1	158	7,38504497	0,0017
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	HC	HC3 Rep 2	135	6,951523937	0,0023
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	HC	HC3 Rep 3	286	7,890641838	0,0023
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	HC	HC4 Rep 1	575	9,620596629	0,0102
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	HC	HC4 Rep 2	2145	11,00777653	0,0187
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	HC	HC4 Rep 3	2082	10,93583169	0,0166
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	HC	HC5 Rep 1	17612	14,15341714	0,2385
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	HC	HC5 Rep 2	29677	14,52808877	0,2545
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	HC	HC5 Rep 3	39869	14,93694175	0,2487
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	HC	HC6 Rep 1	71	6,211341553	0,0011

surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	HC	HC6 Rep 2	357	7,972218968	0,0022
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	HC	HC6 Rep 3	22	4,000871389	0,0001
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	CD	CD1 Rep 1	255	8,124803849	0,0026
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	CD	CD1 Rep 2	561	9,082030936	0,0017
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	CD	CD1 Rep 3	334	8,294027545	0,0019
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	CD	CD2 Rep 1	682	10,0762819	0,0079
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	CD	CD2 Rep 2	1297	10,45811905	0,0063
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	CD	CD2 Rep 3	2293	11,1158657	0,0101
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	CD	CD3 Rep 1	606	9,423443631	0,005
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	CD	CD3 Rep 2	930	9,788476335	0,0025
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	CD	CD3 Rep 3	588	9,014873899	0,005
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	CD	CD4 Rep 1	437	8,952570035	0,0033
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	CD	CD4 Rep 2	736	9,262134691	0,0027
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	CD	CD4 Rep 3	915	9,566379623	0,0037
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	CD	CD5 Rep 1	275	8,496653607	0,0093
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	CD	CD5 Rep 2	1891	10,94893974	0,0087
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	CD	CD5 Rep 3	1957	10,88629754	0,0029
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	CD	CD6 Rep 1	278	8,322756883	0,0022
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	CD	CD6 Rep 2	501	8,672484839	0,0018
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	CD	CD6 Rep 3	610	8,856495431	0,0021
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	HC	HC1 Rep 1	192	7,838169152	0,0016
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	HC	HC1 Rep 2	247	7,985274365	0,0012
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	HC	HC1 Rep 3	407	8,647254202	0,0019
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	HC	HC2 Rep 1	843	10,0638156	0,0073
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	HC	HC2 Rep 2	1697	10,52922348	0,0065
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	HC	HC2 Rep 3	2005	10,67747803	0,0074
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	HC	HC3 Rep 1	495	9,032548937	0,0039
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	HC	HC3 Rep 2	686	9,296773106	0,0042
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	HC	HC3 Rep 3	1040	9,753138314	0,0037
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	HC	HC4 Rep 1	134	7,519267673	0,0013
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	HC	HC4 Rep 2	971	9,864342085	0,0044
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	HC	HC4 Rep 3	967	9,829449421	0,0039
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	HC	HC5 Rep 1	35556	15,16695142	0,2778

surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	HC	HC5 Rep 2	66940	15,70161207	0,245
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	HC	HC5 Rep 3	69379	15,73617337	0,2481
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	HC	HC6 Rep 1	312	8,346996653	0,0021
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	HC	HC6 Rep 2	950	9,384222407	0,0031
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	HC	HC6 Rep 3	268	7,607528961	0,0008
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	CD	CD1 Rep 1	273	8,223207553	0,0003
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	CD	CD1 Rep 2	91	6,457968615	0,0003
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	CD	CD1 Rep 3	122	6,841060591	0,0017
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	CD	CD2 Rep 1	177	8,130259516	0,0016
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	CD	CD2 Rep 2	826	9,807154257	0,0032
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	CD	CD2 Rep 3	406	8,618180979	0,0015
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	CD	CD3 Rep 1	56	5,987624569	0,0005
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	CD	CD3 Rep 2	159	7,240272384	0,0009
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	CD	CD3 Rep 3	312	8,100603773	0,0004
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	CD	CD4 Rep 1	103	6,867581093	0,0006
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	CD	CD4 Rep 2	110	6,519932448	0,0003
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	CD	CD4 Rep 3	341	8,142379618	0,0009
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	CD	CD5 Rep 1	224	8,20072072	0,0018
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	CD	CD5 Rep 2	530	9,11385464	0,0025
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	CD	CD5 Rep 3	701	9,40514013	0,0018
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	CD	CD6 Rep 1	351	8,65914303	0,0023
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	CD	CD6 Rep 2	615	8,968260646	0,0017
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	CD	CD6 Rep 3	401	8,251288425	0,0011
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	HC	HC1 Rep 1	185	7,784588112	0,0013
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	HC	HC1 Rep 2	450	8,850688325	0,0015
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	HC	HC1 Rep 3	344	8,404633972	0,0011
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	HC	HC2 Rep 1	519	9,364017509	0,0034
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	HC	HC2 Rep 2	806	9,455088664	0,0024
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	HC	HC2 Rep 3	1221	9,961938997	0,0042
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	HC	HC3 Rep 1	98	6,695974066	0,0001
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	HC	HC3 Rep 2	27	4,629595842	0,0009
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	HC	HC3 Rep 3	337	8,127375283	0,0006
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	HC	HC4 Rep 1	366	8,968878321	0,0028

surface Bacteroidales	1939312	VEALESLDIATIA	y10	Light	HC	HC4 Rep 2	448	8,748369521	0,0017
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Light	HC	HC4 Rep 3	323	8,247467696	0,001
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Light	HC	HC5 Rep 1	20271	14,35627565	0,1108
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Light	HC	HC5 Rep 2	42447	15,04440611	0,0989
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Light	HC	HC5 Rep 3	35864	14,78421073	0,1137
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Light	HC	HC6 Rep 1	249	8,021596366	0,0015
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Light	HC	HC6 Rep 2	295	7,697009848	0,0007
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Light	HC	HC6 Rep 3	401	8,188898197	0,001
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	CD	CD1 Rep 1	394	8,752502232	0,0002
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	CD	CD1 Rep 2	65	5,972541788	0,0009
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	CD	CD1 Rep 3	343	8,332388019	0,0017
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	CD	CD2 Rep 1	1276	10,98006658	0,0081
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	CD	CD2 Rep 2	731	9,630883881	0,0026
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	CD	CD2 Rep 3	2	0,952845061	0
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	CD	CD3 Rep 1	398	8,816894268	0,0027
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	CD	CD3 Rep 2	997	9,888839123	0,0014
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	CD	CD3 Rep 3	495	8,766486269	0,0018
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	CD	CD4 Rep 1	182	7,688875206	0,0008
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	CD	CD4 Rep 2	121	6,657435972	0,0004
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	CD	CD4 Rep 3	281	7,86317801	0,0008
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	CD	CD5 Rep 1	1079	10,46884495	0,0079
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	CD	CD5 Rep 2	2682	11,45309961	0,0028
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	CD	CD5 Rep 3	965	9,866254628	0,0059
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	CD	CD6 Rep 1	597	9,425402931	0,0027
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	CD	CD6 Rep 2	41	5,06137005	0,0001
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	CD	CD6 Rep 3	443	8,394992888	0,001
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	HC	HC1 Rep 1	474	9,1419499	0,0024
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	HC	HC1 Rep 2	253	8,019900709	0,0008
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	HC	HC1 Rep 3	941	9,85642013	0,0029
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	HC	HC2 Rep 1	1155	10,51810392	0,0055
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	HC	HC2 Rep 2	1022	9,797632116	0,0026
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	HC	HC2 Rep 3	1431	10,19089947	0,0036
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	HC	HC3 Rep 1	337	8,477869003	0,0004



surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	HC	HC3 Rep 2	106	6,602628795	0,0008
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	HC	HC3 Rep 3	313	8,020789348	0,0014
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	HC	HC4 Rep 1	905	10,27495246	0,005
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	HC	HC4 Rep 2	1195	10,1638095	0,0034
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	HC	HC4 Rep 3	1329	10,28820273	0,0042
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	HC	HC5 Rep 1	25419	14,68276566	0,1112
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	HC	HC5 Rep 2	42988	15,06267751	0,1189
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	HC	HC5 Rep 3	47156	15,17911568	0,1062
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	HC	HC6 Rep 1	96	6,646556935	0,0004
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	HC	HC6 Rep 2	554	8,60618087	0,0012
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Light	HC	HC6 Rep 3	43	4,967704525	0,0001
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	CD	CD1 Rep 1	119	7,025268176	0,0014
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	CD	CD1 Rep 2	608	9,198101489	0,0013
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	CD	CD1 Rep 3	615	9,174765853	0,0005
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	CD	CD2 Rep 1	299	8,88665564	0,0018
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	CD	CD2 Rep 2	948	10,00589953	0,0028
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	CD	CD2 Rep 3	839	9,665372062	0,0023
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	CD	CD3 Rep 1	234	8,050634367	0,0007
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	CD	CD3 Rep 2	326	8,276117583	0,0002
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	CD	CD3 Rep 3	80	6,137129649	0,001
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	CD	CD4 Rep 1	114	7,01397058	0,0005
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	CD	CD4 Rep 2	511	8,735752216	0,0011
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	CD	CD4 Rep 3	373	8,27178351	0,0007
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	CD	CD5 Rep 1	2130	11,45000351	0,0078
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	CD	CD5 Rep 2	3125	11,67364657	0,0057
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	CD	CD5 Rep 3	2234	11,07728297	0,0112
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	CD	CD6 Rep 1	71	6,35356293	0,0003
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	CD	CD6 Rep 2	117	6,574182765	0,0003
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	CD	CD6 Rep 3	262	7,637253001	0,0005
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	HC	HC1 Rep 1	309	8,524669679	0,0015
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	HC	HC1 Rep 2	106	6,764827588	0,0003
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	HC	HC1 Rep 3	527	9,020028369	0,0013
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	HC	HC2 Rep 1	541	9,423911565	0,0024

surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	HC	HC2 Rep 2	1113	9,920690512	0,0028
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	HC	HC2 Rep 3	668	9,091795805	0,0014
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	HC	HC3 Rep 1	216	7,836151724	0,0006
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	HC	HC3 Rep 2	202	7,532919823	0,0006
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	HC	HC3 Rep 3	299	7,954772176	0,0009
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	HC	HC4 Rep 1	706	9,916702856	0,0036
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	HC	HC4 Rep 2	876	9,715801659	0,0021
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	HC	HC4 Rep 3	1703	10,64594006	0,0041
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	HC	HC5 Rep 1	29733	14,90892342	0,0947
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	HC	HC5 Rep 2	45723	15,15166358	0,1262
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	HC	HC5 Rep 3	57315	15,46058709	0,1173
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	HC	HC6 Rep 1	215	7,809787284	0,0009
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	HC	HC6 Rep 2	106	6,220359159	0,0002
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Light	HC	HC6 Rep 3	365	8,053192424	0,0007
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	CD	CD1 Rep 1	6	2,715412913	0,0002
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	CD	CD1 Rep 2	20	4,27210207	0,0015
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	CD	CD1 Rep 3	158	7,214104001	0,0001
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	CD	CD2 Rep 1	169	8,063533403	0,0034
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	CD	CD2 Rep 2	924	9,968905327	0,0107
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	CD	CD2 Rep 3	483	8,86872444	0,0053
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	CD	CD3 Rep 1	16	4,180269647	0,0036
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	CD	CD3 Rep 2	376	8,48197828	0,0009
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	CD	CD3 Rep 3	91	6,322996194	0,0002
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	CD	CD4 Rep 1	13	3,881520284	0,0002
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	CD	CD4 Rep 2	259	7,755381022	0,0026
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	CD	CD4 Rep 3	7	2,536106612	0,0001
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	CD	CD5 Rep 1	37	5,602819164	0,001
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	CD	CD5 Rep 2	97	6,663918933	0,0024
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	CD	CD5 Rep 3	228	7,78475951	0,0008
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	CD	CD6 Rep 1	24	4,788778311	0,0003
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	CD	CD6 Rep 2	150	6,932636736	0,0013
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	CD	CD6 Rep 3	212	7,331750454	0,0023
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	HC	HC1 Rep 1	537	9,321984929	0,0078

surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	HC	HC1 Rep 2	127	7,025591821	0,0013
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	HC	HC1 Rep 3	213	7,713078838	0,0022
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	HC	HC2 Rep 1	276	8,452951238	0,0042
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	HC	HC2 Rep 2	916	9,639656423	0,0097
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	HC	HC2 Rep 3	757	9,272241002	0,0076
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	HC	HC3 Rep 1	9	3,251189224	0,0001
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	HC	HC3 Rep 2	8	2,87470834	0,0001
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	HC	HC3 Rep 3	18	3,900695503	0,0001
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	HC	HC4 Rep 1	235	8,329695429	0,0043
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	HC	HC4 Rep 2	280	8,070297616	0,0031
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	HC	HC4 Rep 3	556	9,031018414	0,0064
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	HC	HC5 Rep 1	37968	15,26164239	0,63
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	HC	HC5 Rep 2	73008	15,82679807	0,7413
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	HC	HC5 Rep 3	91582	16,1367384	0,5072
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	HC	HC6 Rep 1	11	3,521026053	0,0001
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	HC	HC6 Rep 2	120	6,3993293	0,001
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	HC	HC6 Rep 3	185	7,072821231	0,0016
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	CD	CD1 Rep 1	158	7,43423116	0,0012
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	CD	CD1 Rep 2	484	8,869037212	0,0001
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	CD	CD1 Rep 3	50	5,554179443	0,0006
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	CD	CD2 Rep 1	396	9,292010586	0,0021
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	CD	CD2 Rep 2	553	9,228291955	0,002
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	CD	CD2 Rep 3	1499	10,50262973	0,0047
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	CD	CD3 Rep 1	1307	10,53231307	0,0045
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	CD	CD3 Rep 2	1692	10,65190328	0,0013
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	CD	CD3 Rep 3	535	8,878596635	0,0051
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	CD	CD4 Rep 1	774	9,777270322	0,0031
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	CD	CD4 Rep 2	962	9,648465818	0,0027
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	CD	CD4 Rep 3	752	9,283340541	0,0019
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	CD	CD5 Rep 1	315	8,692573817	0,0018
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	CD	CD5 Rep 2	619	9,33780169	0,0021
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	CD	CD5 Rep 3	749	9,500691404	0,0016
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	CD	CD6 Rep 1	812	9,869151727	0,0035

surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	CD	CD6 Rep 2	388	8,303730888	0,0009
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	CD	CD6 Rep 3	266	7,659112435	0,0009
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	HC	HC1 Rep 1	79	6,5569874	0,0003
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	HC	HC1 Rep 2	628	9,331527883	0,0018
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	HC	HC1 Rep 3	701	9,431639852	0,0021
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	HC	HC2 Rep 1	2351	11,5434856	0,0094
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	HC	HC2 Rep 2	3399	11,53134728	0,0091
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	HC	HC2 Rep 3	2881	11,20044546	0,0078
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	HC	HC3 Rep 1	15	3,988154818	0,0003
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	HC	HC3 Rep 2	109	6,642892665	0,0016
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	HC	HC3 Rep 3	701	9,184041135	0,0001
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	HC	HC4 Rep 1	342	8,871030998	0,0016
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	HC	HC4 Rep 2	707	9,406581004	0,0022
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	HC	HC4 Rep 3	473	8,797773715	0,0017
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	HC	HC5 Rep 1	203624	17,6846941	0,6189
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	HC	HC5 Rep 2	255875	17,63611081	0,7759
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	HC	HC5 Rep 3	348284	18,06386662	0,7579
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	HC	HC6 Rep 1	109	6,829778759	0,0004
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	HC	HC6 Rep 2	363	7,996264442	0,0008
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	HC	HC6 Rep 3	1108	9,655181936	0,0028
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	CD	CD1 Rep 1	674	9,527055193	0,0006
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	CD	CD1 Rep 2	148	7,159627341	0,0026
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	CD	CD1 Rep 3	635	9,220936035	0,0033
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	CD	CD2 Rep 1	658	10,02459774	0,0046
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	CD	CD2 Rep 2	2365	11,32478075	0,0113
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	CD	CD2 Rep 3	2665	11,33276488	0,0122
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	CD	CD3 Rep 1	528	9,224663767	0,002
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	CD	CD3 Rep 2	504	8,904669352	0,0041
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	CD	CD3 Rep 3	981	9,75331088	0,0026
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	CD	CD4 Rep 1	563	9,318071678	0,0029
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	CD	CD4 Rep 2	280	7,867855752	0,001
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	CD	CD4 Rep 3	1197	9,953959126	0,0042
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	CD	CD5 Rep 1	1037	10,41156598	0,0073

surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	CD	CD5 Rep 2	1800	10,87778728	0,0073
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	CD	CD5 Rep 3	1689	10,67382311	0,0059
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	CD	CD6 Rep 1	146	7,393640369	0,0008
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	CD	CD6 Rep 2	453	8,527185285	0,0018
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	CD	CD6 Rep 3	410	8,283310099	0,0014
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	HC	HC1 Rep 1	464	9,111187646	0,0024
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	HC	HC1 Rep 2	82	6,394459138	0,0003
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	HC	HC1 Rep 3	1535	10,56239216	0,0065
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	HC	HC2 Rep 1	2218	11,45947043	0,0137
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	HC	HC2 Rep 2	3281	11,48037251	0,016
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	HC	HC2 Rep 3	3557	11,50453677	0,0152
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	HC	HC3 Rep 1	182	7,589058862	0,003
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	HC	HC3 Rep 2	812	9,540044257	0,0033
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	HC	HC3 Rep 3	945	9,61494102	0,0009
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	HC	HC4 Rep 1	720	9,945031579	0,0044
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	HC	HC4 Rep 2	2512	11,23563535	0,0112
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	HC	HC4 Rep 3	1479	10,44248368	0,0062
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	HC	HC5 Rep 1	137400	17,11716849	0,7369
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	HC	HC5 Rep 2	217915	17,40443712	0,7167
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	HC	HC5 Rep 3	226453	17,44281408	0,637
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	HC	HC6 Rep 1	498	9,021596366	0,0025
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	HC	HC6 Rep 2	129	6,503665959	0,0004
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	HC	HC6 Rep 3	1271	9,853188085	0,004
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	CD	CD1 Rep 1	503	9,104865002	0,0012
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	CD	CD1 Rep 2	207	7,643660933	0,0019
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	CD	CD1 Rep 3	308	8,177109794	0,004
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	CD	CD2 Rep 1	147	7,862326311	0,0018
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	CD	CD2 Rep 2	150	7,345974976	0,0012
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	CD	CD2 Rep 3	500	8,918629346	0,0035
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	CD	CD3 Rep 1	442	8,968172207	0,0072
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	CD	CD3 Rep 2	1129	10,0682192	0,0026
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	CD	CD3 Rep 3	399	8,45544649	0,0036
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	CD	CD4 Rep 1	649	9,523155234	0,0053

surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	CD	CD4 Rep 2	209	7,445931867	0,0012
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	CD	CD4 Rep 3	632	9,032532438	0,0034
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	CD	CD5 Rep 1	505	9,373505376	0,0007
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	CD	CD5 Rep 2	112	6,871361013	0,0064
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	CD	CD5 Rep 3	970	9,873710433	0,005
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	CD	CD6 Rep 1	248	8,158012121	0,0021
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	CD	CD6 Rep 2	527	8,745477197	0,003
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	CD	CD6 Rep 3	206	7,290330526	0,0011
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	HC	HC1 Rep 1	207	7,946693609	0,0018
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	HC	HC1 Rep 2	531	9,089475185	0,0037
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	HC	HC1 Rep 3	78	6,263771437	0,0005
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	HC	HC2 Rep 1	1392	10,78737028	0,0135
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	HC	HC2 Rep 2	1986	10,75610254	0,0142
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	HC	HC2 Rep 3	2364	10,91510583	0,0154
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	HC	HC3 Rep 1	408	8,753689564	0,0007
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	HC	HC3 Rep 2	121	6,793571577	0,003
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	HC	HC3 Rep 3	519	8,75036123	0,003
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	HC	HC4 Rep 1	2047	11,45247387	0,0202
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	HC	HC4 Rep 2	2061	10,95014339	0,0161
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	HC	HC4 Rep 3	2530	11,21699901	0,0166
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	HC	HC5 Rep 1	97616	16,62397602	0,7159
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	HC	HC5 Rep 2	139692	16,76292101	0,7305
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	HC	HC5 Rep 3	139487	16,74373309	0,77
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	HC	HC6 Rep 1	947	9,948815049	0,0073
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	HC	HC6 Rep 2	508	8,481123391	0,0025
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	HC	HC6 Rep 3	676	8,942319207	0,0034
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	CD	CD1 Rep 1	208	7,83089013	0,0022
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	CD	CD1 Rep 2	368	8,473735931	0,0024
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	CD	CD1 Rep 3	401	8,557781679	0,0017
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	CD	CD2 Rep 1	662	10,03334137	0,0082
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	CD	CD2 Rep 2	429	8,861990123	0,0035
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	CD	CD2 Rep 3	1326	10,32571012	0,009
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	CD	CD3 Rep 1	205	7,859749747	0,0009

surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	CD	CD3 Rep 2	150	7,156208119	0,0005
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	CD	CD3 Rep 3	78	6,100603773	0,0018
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	CD	CD4 Rep 1	542	9,263229607	0,0051
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	CD	CD4 Rep 2	676	9,139452171	0,0037
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	CD	CD4 Rep 3	607	8,974304396	0,0033
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	CD	CD5 Rep 1	268	8,459454989	0,0031
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	CD	CD5 Rep 2	509	9,055527937	0,009
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	CD	CD5 Rep 3	1222	10,20689807	0,0029
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	CD	CD6 Rep 1	176	7,663247429	0,0016
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	CD	CD6 Rep 2	56	5,511172967	0,0003
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	CD	CD6 Rep 3	388	8,203742841	0,0021
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	HC	HC1 Rep 1	208	7,95364637	0,0021
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	HC	HC1 Rep 2	412	8,723407661	0,0027
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	HC	HC1 Rep 3	217	7,73992045	0,0013
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	HC	HC2 Rep 1	1074	10,41320506	0,0106
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	HC	HC2 Rep 2	1557	10,40500586	0,0098
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	HC	HC2 Rep 3	1891	10,59302516	0,0122
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	HC	HC3 Rep 1	224	7,888619144	0,002
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	HC	HC3 Rep 2	391	8,485733137	0,0022
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	HC	HC3 Rep 3	420	8,445016019	0,0019
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	HC	HC4 Rep 1	882	10,23781333	0,0095
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	HC	HC4 Rep 2	2284	11,09836153	0,0165
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	HC	HC4 Rep 3	1826	10,74654839	0,0115
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	HC	HC5 Rep 1	91790	16,53519538	0,7871
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	HC	HC5 Rep 2	152429	16,88880901	0,823
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	HC	HC5 Rep 3	146888	16,81831896	0,7569
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	HC	HC6 Rep 1	504	9,038874357	0,0042
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	HC	HC6 Rep 2	99	6,121795324	0,0005
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	HC	HC6 Rep 3	430	8,28963262	0,0021
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	CD	CD1 Rep 1	2015	11,10701454	0,0008
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	CD	CD1 Rep 2	406	8,615509892	0,0023
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	CD	CD1 Rep 3	1277	10,22886606	0,0059
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	CD	CD2 Rep 1	1483	11,19695685	0,0083

GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	CD	CD2 Rep 2	291	8,302031628	0,0008
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	CD	CD2 Rep 3	1566	10,56571356	0,004
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	CD	CD3 Rep 1	811	9,843827751	0,0005
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	CD	CD3 Rep 2	240	7,834280024	0,0012
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	CD	CD3 Rep 3	660	9,181523768	0,0027
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	CD	CD4 Rep 1	8502	13,23466711	0,0283
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	CD	CD4 Rep 2	14534	13,56571693	0,0273
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	CD	CD4 Rep 3	13725	13,47327022	0,0245
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	CD	CD5 Rep 1	6137	12,97668367	0,0067
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	CD	CD5 Rep 2	3096	11,66019585	0,0088
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	CD	CD5 Rep 3	3677	11,79618296	0,027
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	CD	CD6 Rep 1	1610	10,85666078	0,006
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	CD	CD6 Rep 2	354	8,171423595	0,0007
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	CD	CD6 Rep 3	1623	10,26827728	0,0028
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	HC	HC1 Rep 1	6065	12,81949858	0,02
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	HC	HC1 Rep 2	3594	11,84828183	0,0073
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	HC	HC1 Rep 3	2231	11,10184402	0,0046
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	HC	HC2 Rep 1	58719	16,18596656	0,2349
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	HC	HC2 Rep 2	130497	16,79410975	0,2603
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	HC	HC2 Rep 3	127886	16,67259032	0,2544
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	HC	HC3 Rep 1	8320	13,10363204	0,0307
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	HC	HC3 Rep 2	18395	14,0417344	0,0298
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	HC	HC3 Rep 3	18294	13,88985344	0,0259
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	HC	HC4 Rep 1	279	8,577299795	0,0013
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	HC	HC4 Rep 2	833	9,643187285	0,0019
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	HC	HC4 Rep 3	505	8,892216919	0,0011
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	HC	HC5 Rep 1	28236	14,83439412	0,0629
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	HC	HC5 Rep 2	36062	14,80922293	0,0729
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	HC	HC5 Rep 3	46707	15,16531311	0,0869
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	HC	HC6 Rep 1	37065	15,23936432	0,1229
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	HC	HC6 Rep 2	74923	15,68555975	0,1138
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Light	HC	HC6 Rep 3	77696	15,78699248	0,143
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	CD	CD1 Rep 1	5	2,452378507	0,0002



GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	CD	CD1 Rep 2	8	2,950173975	0,0036
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	CD	CD1 Rep 3	102	6,582748595	0,0002
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	CD	CD2 Rep 1	154	7,929440507	0,0075
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	CD	CD2 Rep 2	374	8,664050745	0,0119
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	CD	CD2 Rep 3	136	7,040307903	0,0043
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	CD	CD3 Rep 1	56	5,987624569	0,0025
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	CD	CD3 Rep 2	122	6,858126766	0,0022
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	CD	CD3 Rep 3	104	6,515641272	0,0021
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	CD	CD4 Rep 1	6253	12,79141337	0,2663
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	CD	CD4 Rep 2	11494	13,22716607	0,2908
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	CD	CD4 Rep 3	11321	13,19546547	0,3152
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	CD	CD5 Rep 1	348	8,836309294	0,0144
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	CD	CD5 Rep 2	661	9,432512552	0,0308
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	CD	CD5 Rep 3	1492	10,49490132	0,0119
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	CD	CD6 Rep 1	46	5,727377766	0,0017
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	CD	CD6 Rep 2	47	5,258406897	0,0009
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	CD	CD6 Rep 3	255	7,598183436	0,005
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	HC	HC1 Rep 1	64	6,253206651	0,0024
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	HC	HC1 Rep 2	148	7,246360499	0,0045
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	HC	HC1 Rep 3	186	7,517528029	0,0048
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	HC	HC2 Rep 1	18147	14,49187023	0,6351
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	HC	HC2 Rep 2	36314	14,94869087	0,7696
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	HC	HC2 Rep 3	37226	14,8921145	0,9422
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	HC	HC3 Rep 1	21367	14,46436096	0,6051
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	HC	HC3 Rep 2	29104	14,70363817	0,6469
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	HC	HC3 Rep 3	33868	14,77840568	0,6498
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	HC	HC4 Rep 1	29402	15,29680516	1,1136
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	HC	HC4 Rep 2	52097	15,60992728	0,9938
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	HC	HC4 Rep 3	55505	15,67240746	1,1768
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	HC	HC5 Rep 1	5197	12,39260935	0,2408
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	HC	HC5 Rep 2	11486	13,15861998	0,2556
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	HC	HC5 Rep 3	9960	12,93589198	0,2168
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	HC	HC6 Rep 1	9094	13,21229372	0,3253

GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	HC	HC6 Rep 2	19966	13,77769641	0,3167
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	HC	HC6 Rep 3	15562	13,46717963	0,2966
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	CD	CD1 Rep 1	146	7,320274971	0,0021
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	CD	CD1 Rep 2	57	5,783063989	0,0029
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	CD	CD1 Rep 3	64	5,910323253	0,0083
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	CD	CD2 Rep 1	79	6,966434714	0,0041
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	CD	CD2 Rep 2	508	9,105840972	0,0193
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	CD	CD2 Rep 3	491	8,892424276	0,0145
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	CD	CD3 Rep 1	307	8,442364493	0,0052
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	CD	CD3 Rep 2	193	7,519846466	0,0203
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	CD	CD3 Rep 3	687	9,239367843	0,0132
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	CD	CD4 Rep 1	4807	12,41200165	0,2086
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	CD	CD4 Rep 2	9246	12,91318638	0,2528
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	CD	CD4 Rep 3	6544	12,40470872	0,2233
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	CD	CD5 Rep 1	36	5,5632908	0,0055
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	CD	CD5 Rep 2	215	7,81219894	0,0099
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	CD	CD5 Rep 3	387	8,548059252	0,0015
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	CD	CD6 Rep 1	112	7,011170732	0,005
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	CD	CD6 Rep 2	279	7,827939357	0,0073
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	CD	CD6 Rep 3	99	6,233186619	0,0024
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	HC	HC1 Rep 1	88	6,71263827	0,0039
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	HC	HC1 Rep 2	138	7,145431591	0,0059
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	HC	HC1 Rep 3	199	7,614993838	0,0081
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	HC	HC2 Rep 1	17868	14,46951732	0,7468
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	HC	HC2 Rep 2	26521	14,49530019	0,7382
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	HC	HC2 Rep 3	27828	14,47234112	0,7283
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	HC	HC3 Rep 1	17171	14,14895066	0,5725
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	HC	HC3 Rep 2	21128	14,24157693	0,6392
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	HC	HC3 Rep 3	26064	14,40054139	0,5607
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	HC	HC4 Rep 1	24353	15,02499037	1,0944
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	HC	HC4 Rep 2	36729	15,1056466	0,9457
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	HC	HC4 Rep 3	39915	15,19672073	1,2125
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	HC	HC5 Rep 1	4789	12,27465473	0,2035

GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	HC	HC5 Rep 2	7764	12,59361554	0,2242
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	HC	HC5 Rep 3	6999	12,42689504	0,2162
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	HC	HC6 Rep 1	7078	12,85072048	0,2737
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	HC	HC6 Rep 2	14468	13,31301659	0,3221
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	HC	HC6 Rep 3	10301	12,87193655	0,2472
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	CD	CD1 Rep 1	137	7,228482495	0,0112
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	CD	CD1 Rep 2	138	7,058698432	0,011
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	CD	CD1 Rep 3	123	6,852837758	0,0202
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	CD	CD2 Rep 1	248	8,616850277	0,0311
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	CD	CD2 Rep 2	418	8,824515417	0,0327
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	CD	CD2 Rep 3	954	9,850690517	0,0652
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	CD	CD3 Rep 1	25	4,824125837	0,0371
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	CD	CD3 Rep 2	642	9,253818916	0,008
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	CD	CD3 Rep 3	125	6,780985838	0,0027
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	CD	CD4 Rep 1	2031	11,16905509	0,2252
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	CD	CD4 Rep 2	3498	11,51088731	0,2329
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	CD	CD4 Rep 3	3475	11,49154895	0,2677
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	CD	CD5 Rep 1	62	6,347562109	0,0145
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	CD	CD5 Rep 2	238	7,958823854	0,0544
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	CD	CD5 Rep 3	815	9,622525745	0,0057
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	CD	CD6 Rep 1	39	5,489218029	0,0034
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	CD	CD6 Rep 2	185	7,235199506	0,0129
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	CD	CD6 Rep 3	336	7,996147422	0,0177
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	HC	HC1 Rep 1	170	7,662597588	0,0156
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	HC	HC1 Rep 2	307	8,299001979	0,0216
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	HC	HC1 Rep 3	303	8,221543201	0,0257
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	HC	HC2 Rep 1	7134	13,14492228	0,7262
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	HC	HC2 Rep 2	11395	13,27656594	0,727
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	HC	HC2 Rep 3	13789	13,45932173	0,9694
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	HC	HC3 Rep 1	7497	12,95336191	0,6323
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	HC	HC3 Rep 2	10286	13,20310278	0,5569
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	HC	HC3 Rep 3	11028	13,15965405	0,6225
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	HC	HC4 Rep 1	10834	13,85645686	1,0447

GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	HC	HC4 Rep 2	16249	13,92907791	0,9549
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	HC	HC4 Rep 3	20177	14,21250141	1,0745
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	HC	HC5 Rep 1	1759	10,82968578	0,2277
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	HC	HC5 Rep 2	3692	11,52121797	0,2019
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	HC	HC5 Rep 3	2944	11,17752391	0,1675
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	HC	HC6 Rep 1	2463	11,32779535	0,2461
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	HC	HC6 Rep 2	5998	12,04270451	0,3004
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	HC	HC6 Rep 3	5018	11,83433653	0,2676
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	CD	CD1 Rep 1	203	7,795786329	0,0013
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	CD	CD1 Rep 2	70	6,079456992	0,0008
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	CD	CD1 Rep 3	44	5,369754872	0,0027
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	CD	CD2 Rep 1	830	10,35962149	0,0139
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	CD	CD2 Rep 2	428	8,858623272	0,0076
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	CD	CD2 Rep 3	1214	10,19839777	0,0159
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	CD	CD3 Rep 1	775	9,778322147	0,0043
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	CD	CD3 Rep 2	265	7,977237978	0,0018
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	CD	CD3 Rep 3	110	6,596561267	0,0104
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	CD	CD4 Rep 1	2998	11,73086523	0,0439
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	CD	CD4 Rep 2	3137	11,35374255	0,0487
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	CD	CD4 Rep 3	2817	11,18869554	0,0445
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	CD	CD5 Rep 1	614	9,655460644	0,0189
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	CD	CD5 Rep 2	1289	10,39604264	0,0222
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	CD	CD5 Rep 3	1700	10,68318853	0,0086
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	CD	CD6 Rep 1	356	8,679549241	0,0056
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	CD	CD6 Rep 2	128	6,703818045	0,0018
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	CD	CD6 Rep 3	223	7,404729899	0,0028
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	HC	HC1 Rep 1	326	8,601934806	0,0046
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	HC	HC1 Rep 2	333	8,416285501	0,0061
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	HC	HC1 Rep 3	114	6,811259232	0,0022
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	HC	HC2 Rep 1	9385	13,54056781	0,1241
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	HC	HC2 Rep 2	8962	12,93005765	0,1315
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	HC	HC2 Rep 3	7715	12,62154195	0,1033
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	HC	HC3 Rep 1	8874	13,19663306	0,1045

GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	HC	HC3 Rep 2	6428	12,52486255	0,1022
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	HC	HC3 Rep 3	7076	12,51948883	0,1054
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	HC	HC4 Rep 1	13193	14,14066352	0,1907
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	HC	HC4 Rep 2	14919	13,80587782	0,2134
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	HC	HC4 Rep 3	13695	13,65343899	0,2517
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	HC	HC5 Rep 1	3322	11,74698237	0,0561
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	HC	HC5 Rep 2	3589	11,48039734	0,0395
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	HC	HC5 Rep 3	2909	11,16026953	0,042
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	HC	HC6 Rep 1	4907	12,32221999	0,0609
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	HC	HC6 Rep 2	4733	11,70097791	0,0605
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	HC	HC6 Rep 3	2773	10,97867167	0,0488
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	CD	CD1 Rep 1	291	8,315325755	0,0195
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	CD	CD1 Rep 2	881	9,733172184	0,0196
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	CD	CD1 Rep 3	366	8,426023091	0,0211
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	CD	CD2 Rep 1	37915	15,87313507	1,7527
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	CD	CD2 Rep 2	73082	16,27438478	1,6271
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	CD	CD2 Rep 3	92065	16,44321024	1,7811
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	CD	CD3 Rep 1	4373	12,27467728	0,2259
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	CD	CD3 Rep 2	19971	14,21300838	0,1925
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	CD	CD3 Rep 3	12286	13,39992922	0,2224
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	CD	CD4 Rep 1	14978	14,05163794	0,4477
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	CD	CD4 Rep 2	29933	14,60802199	0,3767
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	CD	CD4 Rep 3	15103	13,61129922	0,4138
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	CD	CD5 Rep 1	8965	13,52345367	0,1589
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	CD	CD5 Rep 2	16506	14,07470902	0,1664
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	CD	CD5 Rep 3	16925	13,99873771	0,1807
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	CD	CD6 Rep 1	20554	14,53094737	0,7224
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	CD	CD6 Rep 2	48937	15,28245609	0,9153
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	CD	CD6 Rep 3	48489	15,16919988	0,7139
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	HC	HC1 Rep 1	33695	15,29345356	1,1097
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	HC	HC1 Rep 2	50790	15,66916399	1,2486
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	HC	HC1 Rep 3	51376	15,62717617	1,3028
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	HC	HC2 Rep 1	86421	16,74352109	2,7772

GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	HC	HC2 Rep 2	191186	17,34506999	2,2495
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	HC	HC2 Rep 3	170647	17,08874704	2,599
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	HC	HC3 Rep 1	4918	12,34512024	0,1696
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	HC	HC3 Rep 2	3266	11,54801742	0,1555
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	HC	HC3 Rep 3	10747	13,12241687	0,1459
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	HC	HC4 Rep 1	76284	16,67227136	1,467
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	HC	HC4 Rep 2	117921	16,78847574	1,1675
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	HC	HC4 Rep 3	133229	16,93562596	1,5785
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	HC	HC5 Rep 1	14844	13,9067383	1,6057
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	HC	HC5 Rep 2	86510	16,07161042	1,9108
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	HC	HC5 Rep 3	29451	14,49999095	1,4839
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	HC	HC6 Rep 1	20423	14,37950162	0,6912
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	HC	HC6 Rep 2	56250	15,27200418	0,7587
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Light	HC	HC6 Rep 3	48078	15,09452903	0,7034
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	CD	CD1 Rep 1	2605	11,47751807	0,0068
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	CD	CD1 Rep 2	2371	11,16145392	0,0079
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	CD	CD1 Rep 3	2664	11,28970162	0,0078
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	CD	CD2 Rep 1	206311	18,31711518	0,9004
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	CD	CD2 Rep 2	237958	17,97750372	0,8117
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	CD	CD2 Rep 3	262639	17,9555667	0,9135
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	CD	CD3 Rep 1	22752	14,6539754	0,0774
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	CD	CD3 Rep 2	28437	14,72287108	0,0798
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	CD	CD3 Rep 3	29326	14,65509424	0,0726
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	CD	CD4 Rep 1	3857	12,094344	0,0124
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	CD	CD4 Rep 2	5479	12,15826962	0,014
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	CD	CD4 Rep 3	5747	12,21734502	0,0156
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	CD	CD5 Rep 1	28024	15,16774107	0,0961
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	CD	CD5 Rep 2	34936	15,15643291	0,0663
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	CD	CD5 Rep 3	23847	14,49338966	0,096
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	CD	CD6 Rep 1	40377	15,50506191	0,1264
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	CD	CD6 Rep 2	52088	15,37248147	0,1658
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	CD	CD6 Rep 3	56589	15,39206402	0,1345
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	HC	HC1 Rep 1	70607	16,36073025	0,2363

GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	HC	HC1 Rep 2	90873	16,50847122	0,2641
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	HC	HC1 Rep 3	63359	15,92963116	0,1893
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	HC	HC2 Rep 1	60073	16,21885587	0,2242
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	HC	HC2 Rep 2	81057	16,1071018	0,2353
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	HC	HC2 Rep 3	80031	15,99636283	0,2163
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	HC	HC3 Rep 1	3333	11,78386982	0,0034
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	HC	HC3 Rep 2	1027	9,878928806	0,0103
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	HC	HC3 Rep 3	3728	11,59495665	0,01
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	HC	HC4 Rep 1	4310	12,52665064	0,0174
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	HC	HC4 Rep 2	6556	12,61961474	0,02
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	HC	HC4 Rep 3	6334	12,54097849	0,0181
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	HC	HC5 Rep 1	25396	14,68145967	0,0698
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	HC	HC5 Rep 2	29694	14,52891496	0,0814
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	HC	HC5 Rep 3	31987	14,61916002	0,0747
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	HC	HC6 Rep 1	5442	12,47151568	0,0168
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	HC	HC6 Rep 2	9139	12,6502593	0,0202
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	HC	HC6 Rep 3	5941	12,07792984	0,0135
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	CD	CD1 Rep 1	31	5,084646723	0,0073
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	CD	CD1 Rep 2	710	9,42184919	0,0114
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	CD	CD1 Rep 3	1366	10,32606502	0,0003
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	CD	CD2 Rep 1	63084	16,60764049	0,9288
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	CD	CD2 Rep 2	77446	16,35805939	0,8406
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	CD	CD2 Rep 3	86190	16,34807793	0,8409
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	CD	CD3 Rep 1	8210	13,18343615	0,0845
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	CD	CD3 Rep 2	9635	13,16145838	0,0708
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	CD	CD3 Rep 3	8835	12,92421597	0,0891
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	CD	CD4 Rep 1	1569	10,7967102	0,0182
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	CD	CD4 Rep 2	2253	10,87620433	0,0191
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	CD	CD4 Rep 3	1654	10,42049521	0,0133
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	CD	CD5 Rep 1	10054	13,68884777	0,1097
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	CD	CD5 Rep 2	12345	13,65564531	0,0843
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	CD	CD5 Rep 3	9841	13,2164587	0,1291
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	CD	CD6 Rep 1	13272	13,89991398	0,1474

GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	CD	CD6 Rep 2	14133	13,49059816	0,1254
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	CD	CD6 Rep 3	19997	13,89132596	0,1549
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	HC	HC1 Rep 1	20149	14,55162727	0,2368
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	HC	HC1 Rep 2	24247	14,60242577	0,222
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	HC	HC1 Rep 3	27249	14,71228488	0,2487
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	HC	HC2 Rep 1	17672	14,45360448	0,2192
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	HC	HC2 Rep 2	24878	14,40303552	0,2175
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	HC	HC2 Rep 3	26403	14,39650575	0,2252
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	HC	HC3 Rep 1	1229	10,34453342	0,01
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	HC	HC3 Rep 2	1006	9,84912293	0,0091
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	HC	HC3 Rep 3	1074	9,799548779	0,013
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	HC	HC4 Rep 1	1665	11,15448494	0,0229
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	HC	HC4 Rep 2	3652	11,77548565	0,0358
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	HC	HC4 Rep 3	2843	11,38527572	0,0253
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	HC	HC5 Rep 1	8041	13,02230522	0,0661
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	HC	HC5 Rep 2	8985	12,80433392	0,0772
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	HC	HC5 Rep 3	10207	12,97123323	0,0896
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	HC	HC6 Rep 1	1482	10,59492417	0,0156
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	HC	HC6 Rep 2	2439	10,74451275	0,0169
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	HC	HC6 Rep 3	3107	11,1427463	0,0213
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	CD	CD1 Rep 1	4007	12,09875721	0,0122
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	CD	CD1 Rep 2	4621	12,12416335	0,0147
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	CD	CD1 Rep 3	6858	12,65389544	0,0149
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	CD	CD2 Rep 1	577936	19,80320418	2,7348
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	CD	CD2 Rep 2	954714	19,98186537	2,923
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	CD	CD2 Rep 3	1174674	20,11667406	2,7861
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	CD	CD3 Rep 1	73316	16,3421101	0,3419
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	CD	CD3 Rep 2	128701	16,90105317	0,3388
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	CD	CD3 Rep 3	125884	16,75693695	0,2848
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	CD	CD4 Rep 1	87266	16,59421262	0,3799
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	CD	CD4 Rep 2	203553	17,37361769	0,4402
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	CD	CD4 Rep 3	223161	17,49647709	0,5268
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	CD	CD5 Rep 1	39850	15,6756579	0,1338



GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	CD	CD5 Rep 2	57522	15,87583231	0,1632
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	CD	CD5 Rep 3	70611	16,05947482	0,1689
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	CD	CD6 Rep 1	210923	17,89017271	0,8063
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	CD	CD6 Rep 2	429370	18,41567991	0,9525
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	CD	CD6 Rep 3	473456	18,45670083	0,8941
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	HC	HC1 Rep 1	322954	18,55417581	1,3098
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	HC	HC1 Rep 2	549570	19,10485086	1,3402
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	HC	HC1 Rep 3	560510	19,0747498	1,6187
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	HC	HC2 Rep 1	668686	19,69539617	2,7453
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	HC	HC2 Rep 2	1273250	20,08053692	2,7729
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	HC	HC2 Rep 3	1314826	20,03453197	2,7929
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	HC	HC3 Rep 1	48889	15,6584865	0,1701
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	HC	HC3 Rep 2	60936	15,76971552	0,1556
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	HC	HC3 Rep 3	86841	16,13685922	0,1757
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	HC	HC4 Rep 1	407620	19,0900438	1,866
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	HC	HC4 Rep 2	675672	19,30697814	1,8363
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	HC	HC4 Rep 3	782082	19,4890377	1,8852
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	HC	HC5 Rep 1	415594	18,71396131	1,5058
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	HC	HC5 Rep 2	755802	19,19867995	1,6005
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	HC	HC5 Rep 3	788522	19,24275343	1,5603
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	HC	HC6 Rep 1	153495	17,28942657	0,569
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	HC	HC6 Rep 2	362144	17,95864265	0,6449
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	HC	HC6 Rep 3	335176	17,89599909	0,6829
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	CD	CD1 Rep 1	3963	12,08282766	0,0141
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	CD	CD1 Rep 2	7512	12,82515532	0,0145
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	CD	CD1 Rep 3	8027	12,88096844	0,0141
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	CD	CD2 Rep 1	679655	20,03709705	2,9846
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	CD	CD2 Rep 2	1120879	20,2133554	3,0372
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	CD	CD2 Rep 3	1311249	20,2753553	2,6768
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	CD	CD3 Rep 1	84204	16,5418708	0,3714
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	CD	CD3 Rep 2	151203	17,13351667	0,2942
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	CD	CD3 Rep 3	149192	17,00201221	0,3083
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	CD	CD4 Rep 1	137099	17,24593909	0,5092

GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	CD	CD4 Rep 2	249984	17,67004897	0,4673
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	CD	CD4 Rep 3	250453	17,66293206	0,4325
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	CD	CD5 Rep 1	42459	15,76714857	0,1477
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	CD	CD5 Rep 2	73657	16,23254111	0,1441
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	CD	CD5 Rep 3	72581	16,09917381	0,1729
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	CD	CD6 Rep 1	272078	18,25747659	1,0314
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	CD	CD6 Rep 2	498481	18,63099704	0,878
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	CD	CD6 Rep 3	558509	18,695051	0,9211
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	HC	HC1 Rep 1	381273	18,7936715	1,4504
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	HC	HC1 Rep 2	650291	19,34763307	1,3109
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	HC	HC1 Rep 3	574393	19,11004786	1,2919
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	HC	HC2 Rep 1	802461	19,95849853	3,1259
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	HC	HC2 Rep 2	1482008	20,29957444	2,7615
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	HC	HC2 Rep 3	1460046	20,1856739	2,7618
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	HC	HC3 Rep 1	55542	15,84255573	0,1455
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	HC	HC3 Rep 2	63449	15,82801815	0,1547
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	HC	HC3 Rep 3	99004	16,3259697	0,1854
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	HC	HC4 Rep 1	458487	19,25969979	1,9091
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	HC	HC4 Rep 2	796162	19,54371709	1,7673
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	HC	HC4 Rep 3	923923	19,72949044	1,9077
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	HC	HC5 Rep 1	490924	18,95428618	1,5756
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	HC	HC5 Rep 2	904945	19,45850172	1,7341
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	HC	HC5 Rep 3	919591	19,46459477	1,6686
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	HC	HC6 Rep 1	193986	17,62718745	0,6607
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	HC	HC6 Rep 2	417714	18,16459468	0,6398
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	HC	HC6 Rep 3	352491	17,96866667	0,5454
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	CD	CD1 Rep 1	1888	11,01309346	0,0134
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	CD	CD1 Rep 2	3430	11,69416684	0,014
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	CD	CD1 Rep 3	3528	11,6949581	0,0163
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	CD	CD2 Rep 1	289554	18,80612687	2,9633
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	CD	CD2 Rep 2	515498	19,09276359	3,1601
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	CD	CD2 Rep 3	636106	19,23175273	2,8709
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	CD	CD3 Rep 1	32397	15,16384225	0,2374

GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	CD	CD3 Rep 2	55080	15,67663037	0,2998
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	CD	CD3 Rep 3	65977	15,82487711	0,277
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	CD	CD4 Rep 1	54182	15,90660659	0,4943
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	CD	CD4 Rep 2	113849	16,53533483	0,4557
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	CD	CD4 Rep 3	102771	16,37782539	0,3855
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	CD	CD5 Rep 1	17371	14,47775899	0,1664
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	CD	CD5 Rep 2	38465	15,29526478	0,1322
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	CD	CD5 Rep 3	31733	14,90556579	0,1668
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	CD	CD6 Rep 1	111447	16,96981407	0,9686
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	CD	CD6 Rep 2	230459	17,51796863	0,9162
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	CD	CD6 Rep 3	257594	17,57856946	0,9848
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	HC	HC1 Rep 1	153050	17,47685017	1,3463
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	HC	HC1 Rep 2	310050	18,2790485	1,3922
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	HC	HC1 Rep 3	251320	17,91753518	1,1593
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	HC	HC2 Rep 1	329222	18,673128	2,982
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	HC	HC2 Rep 2	691357	19,19952399	2,8598
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	HC	HC2 Rep 3	674740	19,07206368	2,8096
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	HC	HC3 Rep 1	24566	14,66563957	0,1501
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	HC	HC3 Rep 2	29729	14,73429166	0,1891
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	HC	HC3 Rep 3	50955	15,3677066	0,1893
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	HC	HC4 Rep 1	201926	18,07664564	1,9221
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	HC	HC4 Rep 2	403568	18,56346686	1,8862
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	HC	HC4 Rep 3	368688	18,40411828	1,8539
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	HC	HC5 Rep 1	209265	17,72411752	1,4735
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	HC	HC5 Rep 2	370821	18,17139456	1,6202
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	HC	HC5 Rep 3	428430	18,36266193	1,6979
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	HC	HC6 Rep 1	85444	16,444286	0,6607
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	HC	HC6 Rep 2	195176	17,06685484	0,6496
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	HC	HC6 Rep 3	198990	17,14377618	0,655
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	CD	CD1 Rep 1	1469	10,65106909	0,0616
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	CD	CD1 Rep 2	3427	11,69290445	0,0369
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	CD	CD1 Rep 3	2204	11,01623176	0,0357
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	CD	CD2 Rep 1	341001	19,04207041	11,4257

GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	CD	CD2 Rep 2	611389	19,33888736	12,1756
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	CD	CD2 Rep 3	687656	19,34417257	12,9055
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	CD	CD3 Rep 1	37095	15,35920677	1,3757
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	CD	CD3 Rep 2	67539	15,97082263	0,9792
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	CD	CD3 Rep 3	62646	15,75013633	1,0059
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	CD	CD4 Rep 1	57762	15,99891364	1,5401
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	CD	CD4 Rep 2	117247	16,57776422	1,8352
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	CD	CD4 Rep 3	116683	16,56098655	1,8396
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	CD	CD5 Rep 1	22278	14,8366979	0,6149
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	CD	CD5 Rep 2	34016	15,11793197	0,6886
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	CD	CD5 Rep 3	41945	15,30808072	0,6953
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	CD	CD6 Rep 1	126078	17,14777284	3,2498
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	CD	CD6 Rep 2	236378	17,55455429	4,4734
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	CD	CD6 Rep 3	250370	17,53753218	3,3725
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	HC	HC1 Rep 1	192975	17,81126108	5,1841
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	HC	HC1 Rep 2	267431	18,06571432	5,9853
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	HC	HC1 Rep 3	288686	18,11751084	5,8219
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	HC	HC2 Rep 1	380653	18,8825437	11,7655
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	HC	HC2 Rep 2	685603	19,18746653	11,0804
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	HC	HC2 Rep 3	686514	19,09702113	9,98
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	HC	HC3 Rep 1	27115	14,80806777	0,9307
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	HC	HC3 Rep 2	52502	15,5547931	0,7878
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	HC	HC3 Rep 3	50396	15,35179211	0,6652
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	HC	HC4 Rep 1	219646	18,19799918	7,4432
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	HC	HC4 Rep 2	383921	18,49146455	7,5599
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	HC	HC4 Rep 3	442015	18,66581314	7,3906
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	HC	HC5 Rep 1	257222	18,02180052	6,2543
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	HC	HC5 Rep 2	434937	18,40147805	6,2614
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	HC	HC5 Rep 3	451702	18,43897373	7,1394
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	HC	HC6 Rep 1	101026	16,68596154	3,1454
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	HC	HC6 Rep 2	202744	17,1217384	2,7193
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	HC	HC6 Rep 3	203910	17,17901277	2,3754
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	CD	CD1 Rep 1	1264	10,43423116	0,0672

GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	CD	CD1 Rep 2	2505	11,24076886	0,0416
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	CD	CD1 Rep 3	1450	10,41216044	0,0484
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	CD	CD2 Rep 1	213682	18,36775983	10,0609
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	CD	CD2 Rep 2	386336	18,67665288	13,1703
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	CD	CD2 Rep 3	425090	18,65025386	12,1692
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	CD	CD3 Rep 1	24906	14,78447536	1,2742
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	CD	CD3 Rep 2	42188	15,2919345	1,0912
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	CD	CD3 Rep 3	44775	15,26560737	1,062
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	CD	CD4 Rep 1	38765	15,42354761	1,6803
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	CD	CD4 Rep 2	70223	15,83822875	2,0299
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	CD	CD4 Rep 3	70570	15,83551908	1,845
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	CD	CD5 Rep 1	13496	14,11361006	0,7557
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	CD	CD5 Rep 2	25113	14,68015285	0,6954
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	CD	CD5 Rep 3	27063	14,67590365	0,6729
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	CD	CD6 Rep 1	81796	16,52355848	3,1444
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	CD	CD6 Rep 2	150325	16,90154348	3,5967
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	CD	CD6 Rep 3	159903	16,89066748	3,5801
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	HC	HC1 Rep 1	116988	17,08920768	5,4502
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	HC	HC1 Rep 2	176776	17,46847003	5,7699
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	HC	HC1 Rep 3	185932	17,48278478	5,9023
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	HC	HC2 Rep 1	252365	18,28957909	11,7624
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	HC	HC2 Rep 2	444227	18,56139019	11,8265
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	HC	HC2 Rep 3	423527	18,40018593	9,9412
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	HC	HC3 Rep 1	16923	14,12796194	0,7259
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	HC	HC3 Rep 2	29104	14,70363817	0,6625
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	HC	HC3 Rep 3	27973	14,50251787	0,7292
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	HC	HC4 Rep 1	132842	17,47253031	6,7009
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	HC	HC4 Rep 2	242560	17,82899673	6,754
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	HC	HC4 Rep 3	276517	17,98908599	7,1
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	HC	HC5 Rep 1	149586	17,23976164	6,3233
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	HC	HC5 Rep 2	271796	17,72319583	6,4388
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	HC	HC5 Rep 3	284457	17,77181301	5,8968
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	HC	HC6 Rep 1	69619	16,1487879	2,9986

GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	HC	HC6 Rep 2	132916	16,51259396	2,7112
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	HC	HC6 Rep 3	131442	16,54550658	2,8213
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	CD	CD1 Rep 1	7951	13,08737102	0,4188
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	CD	CD1 Rep 2	13835	13,706209	0,5131
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	CD	CD1 Rep 3	16213	13,8951867	0,3071
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	CD	CD2 Rep 1	221477	18,41945133	9,9814
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	CD	CD2 Rep 2	410945	18,76574208	13,0989
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	CD	CD2 Rep 3	438346	18,69455562	12,9535
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	CD	CD3 Rep 1	30860	15,09372009	1,649
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	CD	CD3 Rep 2	56021	15,70106954	1,3247
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	CD	CD3 Rep 3	54418	15,54699787	1,367
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	CD	CD4 Rep 1	44478	15,62188486	1,8281
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	CD	CD4 Rep 2	86708	16,14245022	2,1486
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	CD	CD4 Rep 3	85306	16,10911129	2,0569
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	CD	CD5 Rep 1	21425	14,78037338	0,8683
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	CD	CD5 Rep 2	30594	14,96496721	0,9269
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	CD	CD5 Rep 3	35923	15,08448971	1,0246
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	CD	CD6 Rep 1	81062	16,51055396	3,424
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	CD	CD6 Rep 2	163524	17,02296091	4,2789
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	CD	CD6 Rep 3	168935	16,96993873	3,5341
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	HC	HC1 Rep 1	129756	17,23864838	4,9057
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	HC	HC1 Rep 2	166441	17,38155847	5,1166
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	HC	HC1 Rep 3	189163	17,50763962	4,9927
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	HC	HC2 Rep 1	257861	18,32066085	10,2301
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	HC	HC2 Rep 2	444980	18,5638336	11,2881
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	HC	HC2 Rep 3	445470	18,47306026	10,648
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	HC	HC3 Rep 1	27468	14,82672847	1,2182
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	HC	HC3 Rep 2	42143	15,23771374	1,0368
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	HC	HC3 Rep 3	44410	15,16936745	1,0474
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	HC	HC4 Rep 1	153826	17,68411833	7,0222
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	HC	HC4 Rep 2	248272	17,86257664	7,4407
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	HC	HC4 Rep 3	284730	18,03131232	7,1437
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	HC	HC5 Rep 1	168038	17,407574	6,8064

GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	HC	HC5 Rep 2	283792	17,78550553	6,9815
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	HC	HC5 Rep 3	302280	17,85948795	5,9833
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	HC	HC6 Rep 1	75355	16,26301006	2,7093
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	HC	HC6 Rep 2	145900	16,64705906	3,0086
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	HC	HC6 Rep 3	148870	16,7251333	2,6922
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	CD	CD1 Rep 1	126281	17,07672848	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	CD	CD1 Rep 2	222529	17,71380781	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	CD	CD1 Rep 3	225002	17,68990155	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	CD	CD2 Rep 1	92912	17,16623128	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	CD	CD2 Rep 2	193708	17,6806803	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	CD	CD2 Rep 3	216143	17,67447165	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	CD	CD3 Rep 1	125325	17,11558436	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	CD	CD3 Rep 2	200109	17,53781596	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	CD	CD3 Rep 3	226707	17,60567097	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	CD	CD4 Rep 1	114644	16,98788189	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	CD	CD4 Rep 2	259645	17,72475365	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	CD	CD4 Rep 3	268585	17,7637709	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	CD	CD5 Rep 1	110983	17,15334498	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	CD	CD5 Rep 2	205235	17,71092335	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	CD	CD5 Rep 3	227192	17,74542201	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	CD	CD6 Rep 1	114018	17,00271788	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	CD	CD6 Rep 2	267263	17,73171864	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	CD	CD6 Rep 3	272533	17,6599014	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	HC	HC1 Rep 1	109122	16,98878912	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	HC	HC1 Rep 2	204988	17,68208707	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	HC	HC1 Rep 3	209342	17,65387148	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	HC	HC2 Rep 1	116071	17,16907482	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	HC	HC2 Rep 2	240492	17,67608201	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	HC	HC2 Rep 3	251179	17,64644784	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	HC	HC3 Rep 1	127935	17,0463157	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	HC	HC3 Rep 2	254015	17,82926251	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	HC	HC3 Rep 3	267221	17,75844436	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	HC	HC4 Rep 1	94983	16,98856019	n.a

Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	HC	HC4 Rep 2	207533	17,60399583	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	HC	HC4 Rep 3	232671	17,74000922	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	HC	HC5 Rep 1	131663	17,05563646	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	HC	HC5 Rep 2	245169	17,57444818	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	HC	HC5 Rep 3	267703	17,68423573	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	HC	HC6 Rep 1	133880	17,09217536	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	HC	HC6 Rep 2	295801	17,66670611	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y10	Heavy	HC	HC6 Rep 3	281785	17,64567506	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	CD	CD1 Rep 1	113327	16,92058251	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	CD	CD1 Rep 2	149284	17,137874	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	CD	CD1 Rep 3	160656	17,20393859	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	CD	CD2 Rep 1	81520	16,9775204	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	CD	CD2 Rep 2	146650	17,27917383	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	CD	CD2 Rep 3	162427	17,26227701	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	CD	CD3 Rep 1	111046	16,94106755	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	CD	CD3 Rep 2	155994	17,17852044	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	CD	CD3 Rep 3	170520	17,19478299	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	CD	CD4 Rep 1	99170	16,7786967	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	CD	CD4 Rep 2	197052	17,3267896	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	CD	CD4 Rep 3	168713	17,09296331	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	CD	CD5 Rep 1	93694	16,90903484	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	CD	CD5 Rep 2	118216	16,91507188	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	CD	CD5 Rep 3	165072	17,2846054	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	CD	CD6 Rep 1	105211	16,88674183	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	CD	CD6 Rep 2	200462	17,3167873	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	CD	CD6 Rep 3	203183	17,23625017	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	HC	HC1 Rep 1	104368	16,92452656	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	HC	HC1 Rep 2	147968	17,21183282	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	HC	HC1 Rep 3	133482	17,0046549	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	HC	HC2 Rep 1	96734	16,90616222	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	HC	HC2 Rep 2	182897	17,28112452	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	HC	HC2 Rep 3	192336	17,26136081	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	HC	HC3 Rep 1	121415	16,97085136	n.a



Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	HC	HC3 Rep 2	177086	17,30879897	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	HC	HC3 Rep 3	193481	17,29260288	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	HC	HC4 Rep 1	88195	16,88158773	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	HC	HC4 Rep 2	141055	17,04691288	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	HC	HC4 Rep 3	171046	17,29610218	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	HC	HC5 Rep 1	122006	16,94573858	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	HC	HC5 Rep 2	190682	17,21184027	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	HC	HC5 Rep 3	194624	17,22429205	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	HC	HC6 Rep 1	109556	16,80290341	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	HC	HC6 Rep 2	219298	17,23497183	n.a
Pfk COG0205 Bacteroides	182951	ENSEIYASLPEGVAR	y8	Heavy	HC	HC6 Rep 3	226086	17,3279519	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	CD	CD1 Rep 1	234166	17,9676225	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	CD	CD1 Rep 2	341713	18,33259958	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	CD	CD1 Rep 3	337850	18,27634658	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	CD	CD2 Rep 1	148510	17,84285452	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	CD	CD2 Rep 2	244134	18,01446999	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	CD	CD2 Rep 3	263639	17,96104934	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	CD	CD3 Rep 1	213970	17,88731866	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	CD	CD3 Rep 2	340808	18,3059891	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	CD	CD3 Rep 3	341655	18,19738227	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	CD	CD4 Rep 1	225829	17,9659518	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	CD	CD4 Rep 2	371948	18,24331415	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	CD	CD4 Rep 3	388023	18,29453433	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	CD	CD5 Rep 1	184743	17,88852597	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	CD	CD5 Rep 2	292252	18,22085946	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	CD	CD5 Rep 3	291750	18,10624263	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	CD	CD6 Rep 1	222937	17,97009236	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	CD	CD6 Rep 2	364940	18,18111781	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	CD	CD6 Rep 3	402234	18,22150551	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	HC	HC1 Rep 1	211471	17,94330696	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	HC	HC1 Rep 2	300660	18,23468055	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	HC	HC1 Rep 3	332242	18,32024415	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	HC	HC2 Rep 1	206875	18,00282657	n.a

Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	HC	HC2 Rep 2	321770	18,09612293	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	HC	HC2 Rep 3	313410	17,9657832	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	HC	HC3 Rep 1	249734	18,01129695	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	HC	HC3 Rep 2	387805	18,43968022	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	HC	HC3 Rep 3	383298	18,27887745	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	HC	HC4 Rep 1	159380	17,73528956	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	HC	HC4 Rep 2	220133	17,68903051	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	HC	HC4 Rep 3	285598	18,03570369	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	HC	HC5 Rep 1	237918	17,90925091	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	HC	HC5 Rep 2	387678	18,23553048	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	HC	HC5 Rep 3	426243	18,35527857	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	HC	HC6 Rep 1	227331	17,85602934	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	HC	HC6 Rep 2	341965	17,87592785	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y10	Heavy	HC	HC6 Rep 3	397483	18,1419734	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	CD	CD1 Rep 1	240504	18,00615178	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	CD	CD1 Rep 2	220432	17,70014812	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	CD	CD1 Rep 3	217661	17,64204666	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	CD	CD2 Rep 1	143657	17,79492273	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	CD	CD2 Rep 2	168913	17,48307713	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	CD	CD2 Rep 3	171435	17,34014721	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	CD	CD3 Rep 1	225717	17,9644252	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	CD	CD3 Rep 2	223770	17,69904654	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	CD	CD3 Rep 3	228715	17,61839301	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	CD	CD4 Rep 1	226097	17,96766289	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	CD	CD4 Rep 2	268039	17,77065614	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	CD	CD4 Rep 3	276940	17,80796561	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	CD	CD5 Rep 1	183782	17,88100175	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	CD	CD5 Rep 2	208649	17,73472457	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	CD	CD5 Rep 3	210074	17,63240759	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	CD	CD6 Rep 1	215159	17,91885947	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	CD	CD6 Rep 2	222022	17,46416116	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	CD	CD6 Rep 3	299053	17,79387166	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	HC	HC1 Rep 1	222770	18,01840209	n.a

Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	HC	HC1 Rep 2	197515	17,62850983	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	HC	HC1 Rep 3	216295	17,70101001	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	HC	HC2 Rep 1	191538	17,8916979	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	HC	HC2 Rep 2	247190	17,71571349	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	HC	HC2 Rep 3	251342	17,64738376	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	HC	HC3 Rep 1	239861	17,9531033	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	HC	HC3 Rep 2	256856	17,84530859	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	HC	HC3 Rep 3	260362	17,72092988	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	HC	HC4 Rep 1	177893	17,8938287	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	HC	HC4 Rep 2	209503	17,61762598	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	HC	HC4 Rep 3	213058	17,61296404	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	HC	HC5 Rep 1	248913	17,97442806	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	HC	HC5 Rep 2	258786	17,65243118	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	HC	HC5 Rep 3	278889	17,74329346	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	HC	HC6 Rep 1	228911	17,8660217	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	HC	HC6 Rep 2	290163	17,63894275	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y5	Heavy	HC	HC6 Rep 3	293877	17,7062927	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	CD	CD1 Rep 1	115035	16,94216376	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	CD	CD1 Rep 2	113095	16,7373496	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	CD	CD1 Rep 3	114727	16,71816868	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	CD	CD2 Rep 1	81695	16,98061413	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	CD	CD2 Rep 2	96124	16,66976535	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	CD	CD2 Rep 3	105622	16,6413959	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	CD	CD3 Rep 1	106725	16,88380828	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	CD	CD3 Rep 2	111490	16,69394422	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	CD	CD3 Rep 3	122336	16,71569104	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	CD	CD4 Rep 1	116667	17,01311758	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	CD	CD4 Rep 2	141035	16,84426644	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	CD	CD4 Rep 3	141996	16,84424245	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	CD	CD5 Rep 1	105665	17,08250386	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	CD	CD5 Rep 2	101253	16,69161122	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	CD	CD5 Rep 3	107151	16,66115528	n.a
Pfk   COG0205   Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	CD	CD6 Rep 1	112624	16,98497058	n.a

Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	CD	CD6 Rep 2	114488	16,50865491	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	CD	CD6 Rep 3	149567	16,79426237	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	HC	HC1 Rep 1	107375	16,96550526	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	HC	HC1 Rep 2	95105	16,5741407	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	HC	HC1 Rep 3	105900	16,67071228	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	HC	HC2 Rep 1	106071	17,03909753	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	HC	HC2 Rep 2	124145	16,72211927	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	HC	HC2 Rep 3	131546	16,71329937	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	HC	HC3 Rep 1	119249	16,94488186	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	HC	HC3 Rep 2	130046	16,86337084	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	HC	HC3 Rep 3	137332	16,79807881	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	HC	HC4 Rep 1	92064	16,94352799	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	HC	HC4 Rep 2	88398	16,37274071	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	HC	HC4 Rep 3	117704	16,75688116	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	HC	HC5 Rep 1	127104	17,00479592	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	HC	HC5 Rep 2	130032	16,65953831	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	HC	HC5 Rep 3	144589	16,79556022	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	HC	HC6 Rep 1	123950	16,98099318	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	HC	HC6 Rep 2	132830	16,5116602	n.a
Pfk COG0205 Bacteroides	182951	NTGGFDIIGSGR	y6	Heavy	HC	HC6 Rep 3	152233	16,75736137	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	CD	CD1 Rep 1	373741	18,64212973	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	CD	CD1 Rep 2	370861	18,45069301	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	CD	CD1 Rep 3	369898	18,40709123	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	CD	CD2 Rep 1	239820	18,53424642	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	CD	CD2 Rep 2	288645	18,25609299	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	CD	CD2 Rep 3	306424	18,17801483	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	CD	CD3 Rep 1	380769	18,71882615	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	CD	CD3 Rep 2	403279	18,54880819	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	CD	CD3 Rep 3	391152	18,39257137	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	CD	CD4 Rep 1	356080	18,62292245	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	CD	CD4 Rep 2	417820	18,41109476	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	CD	CD4 Rep 3	441039	18,4792984	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	CD	CD5 Rep 1	297056	18,5737412	n.a

Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	CD	CD5 Rep 2	331101	18,40091793	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	CD	CD5 Rep 3	360538	18,41166129	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	CD	CD6 Rep 1	354909	18,64090544	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	CD	CD6 Rep 2	483128	18,58586399	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	CD	CD6 Rep 3	484088	18,48873981	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	HC	HC1 Rep 1	345939	18,65336479	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	HC	HC1 Rep 2	347265	18,44258462	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	HC	HC1 Rep 3	348721	18,39008294	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	HC	HC2 Rep 1	345717	18,7436588	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	HC	HC2 Rep 2	385738	18,35771439	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	HC	HC2 Rep 3	411081	18,35715468	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	HC	HC3 Rep 1	401527	18,6964017	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	HC	HC3 Rep 2	269851	17,91651185	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	HC	HC3 Rep 3	422591	18,41967302	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	HC	HC4 Rep 1	281244	18,55464128	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	HC	HC4 Rep 2	355491	18,38046811	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	HC	HC4 Rep 3	333913	18,26119008	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	HC	HC5 Rep 1	424954	18,74609317	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	HC	HC5 Rep 2	442993	18,42795551	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	HC	HC5 Rep 3	439644	18,3999382	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	HC	HC6 Rep 1	387081	18,6238704	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	HC	HC6 Rep 2	501273	18,42767571	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y5	Heavy	HC	HC6 Rep 3	498388	18,46834958	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	CD	CD1 Rep 1	327027	18,44950064	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	CD	CD1 Rep 2	339476	18,32312403	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	CD	CD1 Rep 3	357343	18,35727325	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	CD	CD2 Rep 1	199961	18,27201309	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	CD	CD2 Rep 2	271087	18,16555269	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	CD	CD2 Rep 3	277687	18,03594517	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	CD	CD3 Rep 1	330853	18,51610048	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	CD	CD3 Rep 2	353265	18,35778072	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	CD	CD3 Rep 3	368449	18,30630697	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	CD	CD4 Rep 1	304892	18,39901934	n.a

Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	CD	CD4 Rep 2	373589	18,24966519	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	CD	CD4 Rep 3	397497	18,32933614	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	CD	CD5 Rep 1	262015	18,39265568	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	CD	CD5 Rep 2	300963	18,2632327	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	CD	CD5 Rep 3	336066	18,31025456	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	CD	CD6 Rep 1	303060	18,41305973	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	CD	CD6 Rep 2	402964	18,32410948	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	CD	CD6 Rep 3	433705	18,33018455	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	HC	HC1 Rep 1	311630	18,50268125	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	HC	HC1 Rep 2	326807	18,35498649	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	HC	HC1 Rep 3	331938	18,31892349	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	HC	HC2 Rep 1	296432	18,52176845	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	HC	HC2 Rep 2	357696	18,24882709	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	HC	HC2 Rep 3	380556	18,24584075	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	HC	HC3 Rep 1	332235	18,42310876	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	HC	HC3 Rep 2	296609	18,05291119	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	HC	HC3 Rep 3	369908	18,22757748	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	HC	HC4 Rep 1	251391	18,39275196	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	HC	HC4 Rep 2	325638	18,25392414	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	HC	HC4 Rep 3	335868	18,26961216	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	HC	HC5 Rep 1	357816	18,49800438	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	HC	HC5 Rep 2	435643	18,40381797	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	HC	HC5 Rep 3	388984	18,22331324	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	HC	HC6 Rep 1	309794	18,30254411	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	HC	HC6 Rep 2	450625	18,27400653	n.a
Pfk COG0205 Bacteroides	182951	TYSEVIGNIQR	y6	Heavy	HC	HC6 Rep 3	428309	18,24973224	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	CD	CD1 Rep 1	87263	16,54353286	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	CD	CD1 Rep 2	60773	15,84131687	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	CD	CD1 Rep 3	55546	15,67171866	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	CD	CD2 Rep 1	58746	16,50485697	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	CD	CD2 Rep 2	53612	15,82742462	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	CD	CD2 Rep 3	61840	15,86909776	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	CD	CD3 Rep 1	88701	16,6169324	n.a

AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	CD	CD3 Rep 2	60380	15,80917257	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	CD	CD3 Rep 3	66189	15,82950541	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	CD	CD4 Rep 1	79001	16,45066386	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	CD	CD4 Rep 2	69632	15,82603558	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	CD	CD4 Rep 3	72741	15,87923283	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	CD	CD5 Rep 1	79032	16,6635151	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	CD	CD5 Rep 2	61542	15,9732898	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	CD	CD5 Rep 3	63706	15,91101113	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	CD	CD6 Rep 1	82078	16,52852377	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	CD	CD6 Rep 2	68868	15,77536421	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	CD	CD6 Rep 3	75273	15,80367485	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	HC	HC1 Rep 1	77766	16,50005856	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	HC	HC1 Rep 2	56796	15,83040884	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	HC	HC1 Rep 3	62691	15,91433994	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	HC	HC2 Rep 1	84021	16,70288912	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	HC	HC2 Rep 2	65015	15,78893762	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	HC	HC2 Rep 3	63446	15,6613331	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	HC	HC3 Rep 1	88021	16,50682436	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	HC	HC3 Rep 2	68261	15,93348227	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	HC	HC3 Rep 3	67943	15,7828078	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	HC	HC4 Rep 1	78327	16,71040057	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	HC	HC4 Rep 2	59373	15,79853399	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	HC	HC4 Rep 3	61614	15,82304792	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	HC	HC5 Rep 1	95960	16,59929155	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	HC	HC5 Rep 2	62907	15,61196408	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	HC	HC5 Rep 3	70709	15,76356818	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	HC	HC6 Rep 1	100136	16,67319564	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	HC	HC6 Rep 2	80122	15,78234952	n.a
AhpC COG0450 Bacteroides	215822	AWHDASESIR	y8	Heavy	HC	HC6 Rep 3	76212	15,75917033	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	CD	CD1 Rep 1	106800	16,83500253	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	CD	CD1 Rep 2	135487	16,99796888	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	CD	CD1 Rep 3	129761	16,89582057	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	CD	CD2 Rep 1	63374	16,61425742	n.a

AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	CD	CD2 Rep 2	106370	16,81588808	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	CD	CD2 Rep 3	111637	16,7213008	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	CD	CD3 Rep 1	104187	16,8490854	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	CD	CD3 Rep 2	131298	16,92987484	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	CD	CD3 Rep 3	130718	16,81129984	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	CD	CD4 Rep 1	124516	17,10705218	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	CD	CD4 Rep 2	139733	16,83088598	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	CD	CD4 Rep 3	148047	16,90444742	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	CD	CD5 Rep 1	79195	16,66648753	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	CD	CD5 Rep 2	118174	16,91455922	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	CD	CD5 Rep 3	116116	16,77707675	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	CD	CD6 Rep 1	104908	16,88258098	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	CD	CD6 Rep 2	155257	16,94811684	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	CD	CD6 Rep 3	168234	16,96393978	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	HC	HC1 Rep 1	104283	16,92335112	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	HC	HC1 Rep 2	126161	16,98181361	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	HC	HC1 Rep 3	134835	17,01920473	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	HC	HC2 Rep 1	91826	16,83104186	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	HC	HC2 Rep 2	141332	16,90918126	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	HC	HC2 Rep 3	133148	16,73076274	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	HC	HC3 Rep 1	119134	16,9434899	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	HC	HC3 Rep 2	118679	16,73141349	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	HC	HC3 Rep 3	143152	16,8579588	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	HC	HC4 Rep 1	80576	16,75124105	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	HC	HC4 Rep 2	117531	16,78369641	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	HC	HC4 Rep 3	128576	16,88433919	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	HC	HC5 Rep 1	113986	16,84764312	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	HC	HC5 Rep 2	158076	16,94128996	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	HC	HC5 Rep 3	157397	16,91801047	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	HC	HC6 Rep 1	124320	16,98529332	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	HC	HC6 Rep 2	183359	16,97675026	n.a
AhpC COG0450 Bacteroides	215822	GTFVVNPEGK	y5	Heavy	HC	HC6 Rep 3	188479	17,06548403	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	CD	CD1 Rep 1	102025	16,7690136	n.a



AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	CD	CD1 Rep 2	94994	16,48572275	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	CD	CD1 Rep 3	104950	16,58966589	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	CD	CD2 Rep 1	62155	16,5862368	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	CD	CD2 Rep 2	77351	16,35628861	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	CD	CD2 Rep 3	90008	16,41061068	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	CD	CD3 Rep 1	98135	16,76274979	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	CD	CD3 Rep 2	96004	16,47819633	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	CD	CD3 Rep 3	95761	16,36235215	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	CD	CD4 Rep 1	103849	16,84520836	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	CD	CD4 Rep 2	89859	16,19394812	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	CD	CD4 Rep 3	115978	16,55224333	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	CD	CD5 Rep 1	79544	16,67283129	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	CD	CD5 Rep 2	86412	16,46295014	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	CD	CD5 Rep 3	96609	16,51173947	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	CD	CD6 Rep 1	102175	16,84449853	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	CD	CD6 Rep 2	110337	16,45537518	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	CD	CD6 Rep 3	115243	16,4181496	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	HC	HC1 Rep 1	86094	16,64683173	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	HC	HC1 Rep 2	73166	16,1957929	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	HC	HC1 Rep 3	91388	16,45808634	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	HC	HC2 Rep 1	94856	16,87787819	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	HC	HC2 Rep 2	105347	16,48524234	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	HC	HC2 Rep 3	102202	16,34915542	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	HC	HC3 Rep 1	118177	16,93185398	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	HC	HC3 Rep 2	106250	16,57181166	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	HC	HC3 Rep 3	119146	16,59314149	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	HC	HC4 Rep 1	79484	16,73155534	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	HC	HC4 Rep 2	90783	16,41114914	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	HC	HC4 Rep 3	90636	16,37987391	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	HC	HC5 Rep 1	127484	17,00910268	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	HC	HC5 Rep 2	125356	16,60670266	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	HC	HC5 Rep 3	123266	16,56537734	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	HC	HC6 Rep 1	90357	16,52494319	n.a

AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	HC	HC6 Rep 2	125614	16,43107644	n.a
AhpC COG0450 Bacteroides	215822	LAEIQDNSIGR	y8	Heavy	HC	HC6 Rep 3	120732	16,42288836	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	CD	CD1 Rep 1	204247	17,77040577	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	CD	CD1 Rep 2	116190	16,77630036	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	CD	CD1 Rep 3	127921	16,87521685	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	CD	CD2 Rep 1	150573	17,86275754	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	CD	CD2 Rep 2	129660	17,10153024	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	CD	CD2 Rep 3	136086	17,00700419	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	CD	CD3 Rep 1	190993	17,72342989	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	CD	CD3 Rep 2	123137	16,83729423	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	CD	CD3 Rep 3	136431	16,87301352	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	CD	CD4 Rep 1	174230	17,59171141	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	CD	CD4 Rep 2	141376	16,84775044	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	CD	CD4 Rep 3	135327	16,77484187	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	CD	CD5 Rep 1	158736	17,66963563	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	CD	CD5 Rep 2	113233	16,85294104	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	CD	CD5 Rep 3	122782	16,85760905	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	CD	CD6 Rep 1	211263	17,8924964	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	CD	CD6 Rep 2	147981	16,87887047	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	CD	CD6 Rep 3	140425	16,70327028	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	HC	HC1 Rep 1	179529	17,70706403	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	HC	HC1 Rep 2	114754	16,84509205	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	HC	HC1 Rep 3	118775	16,8362409	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	HC	HC2 Rep 1	199062	17,9472851	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	HC	HC2 Rep 2	147048	16,96638027	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	HC	HC2 Rep 3	143673	16,84052095	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	HC	HC3 Rep 1	201279	17,70010136	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	HC	HC3 Rep 2	105380	16,5599499	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	HC	HC3 Rep 3	136790	16,79237374	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	HC	HC4 Rep 1	171927	17,84461509	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	HC	HC4 Rep 2	116286	16,76833249	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	HC	HC4 Rep 3	130081	16,90112807	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	HC	HC5 Rep 1	220500	17,79956514	n.a

PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	HC	HC5 Rep 2	132808	16,69001366	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	HC	HC5 Rep 3	133618	16,68171679	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	HC	HC6 Rep 1	214561	17,77262277	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	HC	HC6 Rep 2	163895	16,81485102	n.a
PepD COG2195 Bacteroides	377760	GGHSGLEINEGR	y8	Heavy	HC	HC6 Rep 3	162011	16,84717202	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	CD	CD1 Rep 1	79149	16,40273391	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	CD	CD1 Rep 2	127251	16,90749144	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	CD	CD1 Rep 3	126668	16,86101583	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	CD	CD2 Rep 1	63608	16,61957457	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	CD	CD2 Rep 2	119741	16,98671398	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	CD	CD2 Rep 3	124286	16,87614933	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	CD	CD3 Rep 1	78266	16,43636774	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	CD	CD3 Rep 2	137777	16,99936497	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	CD	CD3 Rep 3	138316	16,89281008	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	CD	CD4 Rep 1	75266	16,38079125	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	CD	CD4 Rep 2	163671	17,05901193	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	CD	CD4 Rep 3	151918	16,94168498	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	CD	CD5 Rep 1	63098	16,33867245	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	CD	CD5 Rep 2	126452	17,01223642	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	CD	CD5 Rep 3	143009	17,07761591	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	CD	CD6 Rep 1	78190	16,4585123	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	CD	CD6 Rep 2	151746	16,91511701	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	CD	CD6 Rep 3	170537	16,98355526	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	HC	HC1 Rep 1	72222	16,3933574	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	HC	HC1 Rep 2	120884	16,92017091	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	HC	HC1 Rep 3	109690	16,7214417	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	HC	HC2 Rep 1	76390	16,56552295	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	HC	HC2 Rep 2	157133	17,06207931	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	HC	HC2 Rep 3	159741	16,99346664	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	HC	HC3 Rep 1	85998	16,47327971	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	HC	HC3 Rep 2	96474	16,4325609	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	HC	HC3 Rep 3	126211	16,67624863	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPILK	y10	Heavy	HC	HC4 Rep 1	69656	16,54113849	n.a

PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Heavy	HC	HC4 Rep 2	99348	16,5412179	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Heavy	HC	HC4 Rep 3	115807	16,73344028	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Heavy	HC	HC5 Rep 1	87794	16,47098074	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Heavy	HC	HC5 Rep 2	152277	16,88736966	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Heavy	HC	HC5 Rep 3	141786	16,76731751	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Heavy	HC	HC6 Rep 1	77088	16,29581311	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Heavy	HC	HC6 Rep 2	154390	16,72865849	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y10	Heavy	HC	HC6 Rep 3	176909	16,97408769	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	CD	CD1 Rep 1	325998	18,444954	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	CD	CD1 Rep 2	446312	18,71786705	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	CD	CD1 Rep 3	406933	18,54475501	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	CD	CD2 Rep 1	240900	18,54072883	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	CD	CD2 Rep 2	411364	18,7672123	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	CD	CD2 Rep 3	482554	18,83317593	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	CD	CD3 Rep 1	308835	18,41674638	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	CD	CD3 Rep 2	488052	18,82406477	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	CD	CD3 Rep 3	533618	18,84064936	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	CD	CD4 Rep 1	347458	18,58755964	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	CD	CD4 Rep 2	585458	18,89777889	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	CD	CD4 Rep 3	549632	18,79685817	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	CD	CD5 Rep 1	285437	18,51617863	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	CD	CD5 Rep 2	464228	18,88848011	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	CD	CD5 Rep 3	497774	18,87700085	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	CD	CD6 Rep 1	332457	18,54662404	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	CD	CD6 Rep 2	546888	18,76470393	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	CD	CD6 Rep 3	622085	18,85058219	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	HC	HC1 Rep 1	325729	18,5665193	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	HC	HC1 Rep 2	389689	18,60887082	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	HC	HC1 Rep 3	333912	18,32747763	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	HC	HC2 Rep 1	334998	18,69821974	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	HC	HC2 Rep 2	527558	18,80942282	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	HC	HC2 Rep 3	573632	18,83785749	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	HC	HC3 Rep 1	368576	18,57286683	n.a

PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	HC	HC3 Rep 2	325759	18,18815385	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	HC	HC3 Rep 3	465939	18,56055207	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	HC	HC4 Rep 1	283792	18,56765288	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	HC	HC4 Rep 2	365955	18,42232133	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	HC	HC4 Rep 3	439669	18,65813563	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	HC	HC5 Rep 1	358918	18,50244076	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	HC	HC5 Rep 2	553936	18,75039091	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	HC	HC5 Rep 3	462138	18,47192615	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	HC	HC6 Rep 1	326228	18,37711552	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	HC	HC6 Rep 2	561956	18,59253635	n.a
PepD COG2195 Bacteroides	377760	SGGYSGWEPNVDSPIK	y9	Heavy	HC	HC6 Rep 3	667035	18,88884271	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	CD	CD1 Rep 1	17971	14,26383348	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	CD	CD1 Rep 2	33803	14,99503765	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	CD	CD1 Rep 3	31000	14,83030385	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	CD	CD2 Rep 1	14751	14,51117911	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	CD	CD2 Rep 2	26154	14,79190027	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	CD	CD2 Rep 3	32396	14,93637313	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	CD	CD3 Rep 1	17757	14,29636989	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	CD	CD3 Rep 2	38551	15,16187009	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	CD	CD3 Rep 3	34458	14,8877529	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	CD	CD4 Rep 1	17551	14,28034618	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	CD	CD4 Rep 2	34469	14,81158456	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	CD	CD4 Rep 3	36425	14,88139304	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	CD	CD5 Rep 1	17478	14,48661829	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	CD	CD5 Rep 2	32388	15,04717785	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	CD	CD5 Rep 3	35711	15,07595041	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	CD	CD6 Rep 1	19085	14,42396738	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	CD	CD6 Rep 2	42176	15,0679527	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	CD	CD6 Rep 3	45319	15,07165841	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	HC	HC1 Rep 1	16533	14,26626756	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	HC	HC1 Rep 2	31010	14,95735304	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	HC	HC1 Rep 3	31728	14,93183818	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	HC	HC2 Rep 1	14159	14,13385854	n.a

PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	HC	HC2 Rep 2	33537	14,83391866	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	HC	HC2 Rep 3	41305	15,04212032	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	HC	HC3 Rep 1	20692	14,4180497	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	HC	HC3 Rep 2	30708	14,78103527	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	HC	HC3 Rep 3	39385	14,99612916	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	HC	HC4 Rep 1	16624	14,47415842	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	HC	HC4 Rep 2	34096	14,99832948	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	HC	HC4 Rep 3	32931	14,91923604	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	HC	HC5 Rep 1	21501	14,44126215	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	HC	HC5 Rep 2	35659	14,79300976	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	HC	HC5 Rep 3	31504	14,59720934	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	HC	HC6 Rep 1	22034	14,48903824	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	HC	HC6 Rep 2	44615	14,93767992	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y10	Heavy	HC	HC6 Rep 3	41642	14,88719151	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	CD	CD1 Rep 1	34056	15,18607179	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	CD	CD1 Rep 2	36329	15,09900801	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	CD	CD1 Rep 3	38765	15,1527903	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	CD	CD2 Rep 1	27811	15,42602197	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	CD	CD2 Rep 2	42700	15,49910473	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	CD	CD2 Rep 3	41656	15,29908175	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	CD	CD3 Rep 1	30411	15,07257528	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	CD	CD3 Rep 2	32331	14,90801994	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	CD	CD3 Rep 3	38800	15,05897059	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	CD	CD4 Rep 1	30545	15,07972919	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	CD	CD4 Rep 2	49862	15,34422587	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	CD	CD4 Rep 3	50725	15,35916103	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	CD	CD5 Rep 1	29321	15,23301249	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	CD	CD5 Rep 2	43467	15,471639	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	CD	CD5 Rep 3	47645	15,4919067	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	CD	CD6 Rep 1	30466	15,09872829	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	CD	CD6 Rep 2	52439	15,3821706	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	CD	CD6 Rep 3	55963	15,37601568	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	HC	HC1 Rep 1	25322	14,88131039	n.a

PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	HC	HC1 Rep 2	29844	14,90206043	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	HC	HC1 Rep 3	34385	15,04786094	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	HC	HC2 Rep 1	28899	15,16315873	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	HC	HC2 Rep 2	47387	15,33265634	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	HC	HC2 Rep 3	46641	15,21740261	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	HC	HC3 Rep 1	32089	15,05105543	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	HC	HC3 Rep 2	30182	14,75610913	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	HC	HC3 Rep 3	46524	15,23645802	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	HC	HC4 Rep 1	26014	15,12017911	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	HC	HC4 Rep 2	37058	15,118512	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	HC	HC4 Rep 3	49386	15,50389184	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	HC	HC5 Rep 1	35203	15,15255677	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	HC	HC5 Rep 2	47572	15,20885619	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	HC	HC5 Rep 3	50616	15,28126783	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	HC	HC6 Rep 1	31004	14,98176117	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	HC	HC6 Rep 2	48791	15,06676614	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y7	Heavy	HC	HC6 Rep 3	52805	15,22982669	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Heavy	CD	CD1 Rep 1	28091	14,90827078	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Heavy	CD	CD1 Rep 2	45897	15,43628621	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Heavy	CD	CD1 Rep 3	45669	15,38925083	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Heavy	CD	CD2 Rep 1	21098	15,02747259	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Heavy	CD	CD2 Rep 2	46584	15,62470319	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Heavy	CD	CD2 Rep 3	44927	15,40814017	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Heavy	CD	CD3 Rep 1	23562	14,70444403	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Heavy	CD	CD3 Rep 2	46634	15,43648399	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Heavy	CD	CD3 Rep 3	49053	15,39725531	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Heavy	CD	CD4 Rep 1	27216	14,91324799	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Heavy	CD	CD4 Rep 2	47655	15,27891271	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Heavy	CD	CD4 Rep 3	49784	15,33214622	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Heavy	CD	CD5 Rep 1	25637	15,03930563	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Heavy	CD	CD5 Rep 2	42482	15,43857016	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Heavy	CD	CD5 Rep 3	47097	15,47521704	n.a
PepD COG2195 Bacteroides	377760	SVGVSFQDEAGNIIYR	y9	Heavy	CD	CD6 Rep 1	28414	14,99813013	n.a

PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	CD	CD6 Rep 2	57352	15,51137422	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	CD	CD6 Rep 3	59426	15,46263665	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	HC	HC1 Rep 1	26473	14,94544073	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	HC	HC1 Rep 2	37170	15,2187582	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	HC	HC1 Rep 3	34345	15,04618168	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	HC	HC2 Rep 1	24349	14,91600168	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	HC	HC2 Rep 2	47130	15,3248107	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	HC	HC2 Rep 3	51002	15,34635771	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	HC	HC3 Rep 1	33401	15,1088679	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	HC	HC3 Rep 2	37940	15,0861404	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	HC	HC3 Rep 3	48993	15,31105852	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	HC	HC4 Rep 1	19264	14,68679816	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	HC	HC4 Rep 2	39522	15,21138293	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	HC	HC4 Rep 3	45617	15,38936129	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	HC	HC5 Rep 1	32804	15,05073013	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	HC	HC5 Rep 2	49128	15,25528902	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	HC	HC5 Rep 3	43152	15,05110176	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	HC	HC6 Rep 1	30648	14,96509974	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	HC	HC6 Rep 2	63838	15,45456654	n.a
PepD COG2195 Bacteroides	377760	SVGVESFQDEAGNIIYR	y9	Heavy	HC	HC6 Rep 3	52530	15,22229373	n.a
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	CD	CD1 Rep 1	59937	16,00160967	n.a
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	CD	CD1 Rep 2	15561	13,87582113	n.a
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	CD	CD1 Rep 3	15777	13,85585854	n.a
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	CD	CD2 Rep 1	41391	15,99968345	n.a
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	CD	CD2 Rep 2	31899	15,07837986	n.a
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	CD	CD2 Rep 3	30942	14,87012389	n.a
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	CD	CD3 Rep 1	58893	16,02607819	n.a
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	CD	CD3 Rep 2	25868	14,58627032	n.a
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	CD	CD3 Rep 3	27305	14,55207909	n.a
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	CD	CD4 Rep 1	56040	15,9552499	n.a
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	CD	CD4 Rep 2	26403	14,42698698	n.a
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	CD	CD4 Rep 3	28450	14,52489272	n.a
TktA-TktB COG0021 Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	CD	CD5 Rep 1	51804	16,05414168	n.a



TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	CD	CD5 Rep 2	30248	14,94855822	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	CD	CD5 Rep 3	25119	14,56836091	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	CD	CD6 Rep 1	51152	15,84631884	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	CD	CD6 Rep 2	29676	14,56082707	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	CD	CD6 Rep 3	34128	14,66249825	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	HC	HC1 Rep 1	62276	16,17959531	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	HC	HC1 Rep 2	26206	14,71451668	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	HC	HC1 Rep 3	29833	14,84299066	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	HC	HC2 Rep 1	52505	16,02459398	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	HC	HC2 Rep 2	30273	14,68619667	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	HC	HC2 Rep 3	30355	14,59773806	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	HC	HC3 Rep 1	63501	16,03575591	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	HC	HC3 Rep 2	33770	14,9181629	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	HC	HC3 Rep 3	28384	14,5235608	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	HC	HC4 Rep 1	51464	16,10445446	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	HC	HC4 Rep 2	29305	14,77987382	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	HC	HC4 Rep 3	29398	14,75550773	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	HC	HC5 Rep 1	65539	16,04921205	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	HC	HC5 Rep 2	36572	14,82948304	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	HC	HC5 Rep 3	34956	14,74721444	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	HC	HC6 Rep 1	62230	15,98691706	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	HC	HC6 Rep 2	42271	14,85981933	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y10	Heavy	HC	HC6 Rep 3	42668	14,92230664	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	CD	CD1 Rep 1	184621	17,62465755	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	CD	CD1 Rep 2	42239	15,31646203	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	CD	CD1 Rep 3	41617	15,2552086	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	CD	CD2 Rep 1	117252	17,50190697	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	CD	CD2 Rep 2	77146	16,35246002	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	CD	CD2 Rep 3	82044	16,27695527	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	CD	CD3 Rep 1	165661	17,51814412	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	CD	CD3 Rep 2	65391	15,92419389	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	CD	CD3 Rep 3	57794	15,63383366	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	CD	CD4 Rep 1	155587	17,42844256	n.a

TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	CD	CD4 Rep 2	69000	15,81288148	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	CD	CD4 Rep 3	69645	15,81648385	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	CD	CD5 Rep 1	152278	17,6097138	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	CD	CD5 Rep 2	59506	15,92475361	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	CD	CD5 Rep 3	69462	16,03580583	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	CD	CD6 Rep 1	154392	17,44005428	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	CD	CD6 Rep 2	78145	15,95768399	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	CD	CD6 Rep 3	68642	15,67063397	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	HC	HC1 Rep 1	167382	17,60599152	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	HC	HC1 Rep 2	68065	16,09153265	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	HC	HC1 Rep 3	71025	16,09440852	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	HC	HC2 Rep 1	147697	17,51670778	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	HC	HC2 Rep 2	69917	15,8938083	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	HC	HC2 Rep 3	56617	15,4970392	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	HC	HC3 Rep 1	182718	17,56052346	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	HC	HC3 Rep 2	71594	16,00225941	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	HC	HC3 Rep 3	83184	16,07478894	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	HC	HC4 Rep 1	148359	17,63191141	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	HC	HC4 Rep 2	72741	16,09149574	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	HC	HC4 Rep 3	74115	16,08955528	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	HC	HC5 Rep 1	191367	17,59512855	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	HC	HC5 Rep 2	86930	16,07859766	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	HC	HC5 Rep 3	100005	16,26367456	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	HC	HC6 Rep 1	185254	17,5607396	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	HC	HC6 Rep 2	112606	16,27336288	n.a
TktA-TktB   COG0021   Bacteroides	513615	LAMENTSTPTALIFSR	y8	Heavy	HC	HC6 Rep 3	110282	16,29227758	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	CD	CD1 Rep 1	207610	17,79396682	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	CD	CD1 Rep 2	213746	17,65571187	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	CD	CD1 Rep 3	236211	17,76003988	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	CD	CD2 Rep 1	143630	17,79465156	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	CD	CD2 Rep 2	186084	17,62275077	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	CD	CD2 Rep 3	216023	17,67367046	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	CD	CD3 Rep 1	201730	17,80233577	n.a

TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	CD	CD3 Rep 2	223094	17,69468162	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	CD	CD3 Rep 3	234001	17,65135672	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	CD	CD4 Rep 1	179257	17,6327505	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	CD	CD4 Rep 2	245614	17,64460601	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	CD	CD4 Rep 3	256577	17,69778401	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	CD	CD5 Rep 1	177220	17,8285477	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	CD	CD5 Rep 2	208141	17,73120774	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	CD	CD5 Rep 3	213007	17,65241081	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	CD	CD6 Rep 1	182864	17,68422737	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	CD	CD6 Rep 2	264180	17,71497977	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	CD	CD6 Rep 3	269694	17,6447939	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	HC	HC1 Rep 1	190090	17,78952976	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	HC	HC1 Rep 2	195731	17,61541988	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	HC	HC1 Rep 3	203190	17,61083909	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	HC	HC2 Rep 1	179783	17,80032386	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	HC	HC2 Rep 2	239169	17,66812352	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	HC	HC2 Rep 3	247269	17,62381337	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	HC	HC3 Rep 1	220061	17,82880818	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	HC	HC3 Rep 2	235462	17,71984306	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	HC	HC3 Rep 3	258720	17,71180256	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	HC	HC4 Rep 1	164073	17,7771568	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	HC	HC4 Rep 2	203113	17,57293765	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	HC	HC4 Rep 3	220012	17,65930003	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	HC	HC5 Rep 1	215991	17,76975768	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	HC	HC5 Rep 2	252998	17,61979759	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	HC	HC5 Rep 3	233623	17,48778474	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	HC	HC6 Rep 1	218023	17,79571525	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	HC	HC6 Rep 2	291493	17,64554042	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y5	Heavy	HC	HC6 Rep 3	293009	17,70202522	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	CD	CD1 Rep 1	114911	16,9406078	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	CD	CD1 Rep 2	139588	17,04098937	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	CD	CD1 Rep 3	148174	17,08725605	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	CD	CD2 Rep 1	76045	16,87721974	n.a

TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	CD	CD2 Rep 2	118396	16,9704171	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	CD	CD2 Rep 3	137331	17,02014286	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	CD	CD3 Rep 1	112630	16,96150127	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	CD	CD3 Rep 2	120775	16,80935176	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	CD	CD3 Rep 3	147951	16,98996148	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	CD	CD4 Rep 1	103060	16,83420554	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	CD	CD4 Rep 2	153788	16,96915614	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	CD	CD4 Rep 3	158768	17,00531233	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	CD	CD5 Rep 1	98556	16,98202188	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	CD	CD5 Rep 2	138280	17,14123907	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	CD	CD5 Rep 3	137548	17,02144513	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	CD	CD6 Rep 1	102089	16,84328371	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	CD	CD6 Rep 2	161929	17,0088199	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	CD	CD6 Rep 3	170711	16,9850265	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	HC	HC1 Rep 1	109230	16,99021627	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	HC	HC1 Rep 2	130394	17,02942509	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	HC	HC1 Rep 3	133924	17,00942422	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	HC	HC2 Rep 1	93632	16,85914083	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	HC	HC2 Rep 2	142550	16,92156115	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	HC	HC2 Rep 3	155734	16,95681594	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	HC	HC3 Rep 1	113421	16,87259248	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	HC	HC3 Rep 2	160574	17,16758713	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	HC	HC3 Rep 3	169307	17,1000526	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	HC	HC4 Rep 1	91791	16,93924357	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	HC	HC4 Rep 2	135201	16,9857609	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	HC	HC4 Rep 3	133123	16,93447767	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	HC	HC5 Rep 1	118432	16,90284543	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	HC	HC5 Rep 2	162245	16,97884563	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	HC	HC5 Rep 3	162777	16,96649929	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	HC	HC6 Rep 1	115873	16,88377935	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	HC	HC6 Rep 2	185051	16,99000211	n.a
TktA-TktB   COG0021   Bacteroides	513615	LGFTAQNVYNQVK	y7	Heavy	HC	HC6 Rep 3	183785	17,02909927	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	CD	CD1 Rep 1	353694	18,56259263	n.a

TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	CD	CD1 Rep 2	258539	17,93019637	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	CD	CD1 Rep 3	395754	18,50456766	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	CD	CD2 Rep 1	231958	18,48615804	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	CD	CD2 Rep 2	409711	18,76140339	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	CD	CD2 Rep 3	452257	18,73962837	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	CD	CD3 Rep 1	315485	18,44748153	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	CD	CD3 Rep 2	344061	18,31969427	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	CD	CD3 Rep 3	410902	18,46363638	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	CD	CD4 Rep 1	327700	18,50309671	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	CD	CD4 Rep 2	496064	18,65873947	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	CD	CD4 Rep 3	508273	18,68399576	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	CD	CD5 Rep 1	283569	18,5067061	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	CD	CD5 Rep 2	385105	18,61889842	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	CD	CD5 Rep 3	421198	18,63600856	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	CD	CD6 Rep 1	334547	18,55566519	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	CD	CD6 Rep 2	556901	18,7908794	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	CD	CD6 Rep 3	613047	18,82946816	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	HC	HC1 Rep 1	328272	18,57773883	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	HC	HC1 Rep 2	319067	18,32040701	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	HC	HC1 Rep 3	359066	18,43225874	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	HC	HC2 Rep 1	307101	18,57278047	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	HC	HC2 Rep 2	513446	18,77030566	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	HC	HC2 Rep 3	499539	18,6383293	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	HC	HC3 Rep 1	356536	18,52495245	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	HC	HC3 Rep 2	434186	18,60266202	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	HC	HC3 Rep 3	449501	18,5087353	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	HC	HC4 Rep 1	295594	18,62643594	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	HC	HC4 Rep 2	412685	18,59569607	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	HC	HC4 Rep 3	385645	18,46899122	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	HC	HC5 Rep 1	364943	18,52645763	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	HC	HC5 Rep 2	470339	18,51437257	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	HC	HC5 Rep 3	502239	18,59197648	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	HC	HC6 Rep 1	314046	18,3222108	n.a

TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	HC	HC6 Rep 2	564378	18,59874093	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y4	Heavy	HC	HC6 Rep 3	596502	18,72760722	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	CD	CD1 Rep 1	178729	17,57786463	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	CD	CD1 Rep 2	198807	17,551183	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	CD	CD1 Rep 3	229002	17,71532393	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	CD	CD2 Rep 1	120954	17,54675292	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	CD	CD2 Rep 2	213296	17,81965367	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	CD	CD2 Rep 3	245633	17,85898993	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	CD	CD3 Rep 1	166863	17,52857421	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	CD	CD3 Rep 2	189511	17,45931149	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	CD	CD3 Rep 3	230276	17,62820609	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	CD	CD4 Rep 1	166926	17,52992972	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	CD	CD4 Rep 2	265841	17,75877683	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	CD	CD4 Rep 3	281147	17,82971682	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	CD	CD5 Rep 1	148606	17,57449864	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	CD	CD5 Rep 2	194978	17,63695791	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	CD	CD5 Rep 3	239479	17,82140912	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	CD	CD6 Rep 1	167514	17,55773796	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	CD	CD6 Rep 2	296141	17,87974276	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	CD	CD6 Rep 3	343019	17,99175896	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	HC	HC1 Rep 1	160793	17,54805173	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	HC	HC1 Rep 2	198998	17,63930154	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	HC	HC1 Rep 3	195259	17,55339874	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	HC	HC2 Rep 1	151012	17,54873045	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	HC	HC2 Rep 2	262249	17,80103038	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	HC	HC2 Rep 3	268007	17,74000267	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	HC	HC3 Rep 1	180824	17,54549087	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	HC	HC3 Rep 2	242916	17,76480633	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	HC	HC3 Rep 3	263331	17,73728834	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	HC	HC4 Rep 1	146455	17,61327641	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	HC	HC4 Rep 2	196583	17,52579364	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	HC	HC4 Rep 3	252706	17,85917773	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	HC	HC5 Rep 1	192951	17,607021	n.a

TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	HC	HC5 Rep 2	262882	17,67508697	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	HC	HC5 Rep 3	280859	17,75344846	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	HC	HC6 Rep 1	194811	17,63331005	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	HC	HC6 Rep 2	312089	17,74403669	n.a
TktA-TktB   COG0021   Bacteroides	513615	NLGGDPTNPFQIFPEVK	y5	Heavy	HC	HC6 Rep 3	323143	17,84325298	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	CD	CD1 Rep 1	131511	17,13527436	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	CD	CD1 Rep 2	140921	17,05470107	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	CD	CD1 Rep 3	155683	17,15857514	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	CD	CD2 Rep 1	78767	16,92795767	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	CD	CD2 Rep 2	125600	17,05563322	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	CD	CD2 Rep 3	134624	16,99142116	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	CD	CD3 Rep 1	116074	17,00495497	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	CD	CD3 Rep 2	162684	17,23910227	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	CD	CD3 Rep 3	151939	17,02833426	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	CD	CD4 Rep 1	128885	17,15680541	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	CD	CD4 Rep 2	173369	17,14205916	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	CD	CD4 Rep 3	177370	17,16515418	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	CD	CD5 Rep 1	96049	16,94484877	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	CD	CD5 Rep 2	169971	17,43893518	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	CD	CD5 Rep 3	154231	17,18660274	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	CD	CD6 Rep 1	108278	16,92819643	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	CD	CD6 Rep 2	165913	17,04388545	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	CD	CD6 Rep 3	181430	17,0728835	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	HC	HC1 Rep 1	98785	16,84521102	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	HC	HC1 Rep 2	135552	17,08539401	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	HC	HC1 Rep 3	132312	16,9919536	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	HC	HC2 Rep 1	116992	17,18047714	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	HC	HC2 Rep 2	152786	17,02160546	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	HC	HC2 Rep 3	163130	17,02375411	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	HC	HC3 Rep 1	115576	16,89974654	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	HC	HC3 Rep 2	127286	16,83242256	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	HC	HC3 Rep 3	174642	17,14481153	n.a
TktA-TktB   COG0021   Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	HC	HC4 Rep 1	103557	17,11324403	n.a

TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	HC	HC4 Rep 2	151551	17,15045845	n.a
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	HC	HC4 Rep 3	162381	17,22110065	n.a
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	HC	HC5 Rep 1	121097	16,93494961	n.a
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	HC	HC5 Rep 2	158097	16,9414816	n.a
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	HC	HC5 Rep 3	188476	17,17798325	n.a
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	HC	HC6 Rep 1	120433	16,93946567	n.a
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	HC	HC6 Rep 2	193946	17,0577342	n.a
TktA-TktB COG0021 Bacteroides	513615	VITIDGNPDPAIR	y8	Heavy	HC	HC6 Rep 3	196561	17,12605735	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	CD	CD1 Rep 1	21626	14,53092964	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	CD	CD1 Rep 2	43464	15,35770731	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	CD	CD1 Rep 3	31867	14,87009884	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	CD	CD2 Rep 1	26397	15,35074032	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	CD	CD2 Rep 2	47999	15,66787301	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	CD	CD2 Rep 3	76527	16,17652629	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	CD	CD3 Rep 1	37114	15,35994552	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	CD	CD3 Rep 2	65788	15,93292626	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	CD	CD3 Rep 3	69016	15,88984479	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	CD	CD4 Rep 1	33102	15,19571133	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	CD	CD4 Rep 2	77420	15,97899142	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	CD	CD4 Rep 3	73874	15,90153077	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	CD	CD5 Rep 1	35018	15,48917487	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	CD	CD5 Rep 2	86762	16,46878178	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	CD	CD5 Rep 3	79785	16,23569941	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	CD	CD6 Rep 1	35782	15,33076222	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	CD	CD6 Rep 2	79039	15,97409512	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	CD	CD6 Rep 3	84537	15,97112529	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	HC	HC1 Rep 1	35945	15,38671013	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	HC	HC1 Rep 2	44142	15,46677151	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	HC	HC1 Rep 3	45289	15,44524228	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	HC	HC2 Rep 1	34081	15,40110683	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	HC	HC2 Rep 2	77727	16,04658085	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	HC	HC2 Rep 3	76148	15,92461004	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	HC	HC3 Rep 1	40150	15,37437659	n.a



KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	HC	HC3 Rep 2	68649	15,94165942	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	HC	HC3 Rep 3	77363	15,97012662	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	HC	HC4 Rep 1	35611	15,57321381	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	HC	HC4 Rep 2	61973	15,86036679	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	HC	HC4 Rep 3	83985	16,2699214	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	HC	HC5 Rep 1	30855	14,96236268	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	HC	HC5 Rep 2	65331	15,66651124	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	HC	HC5 Rep 3	54260	15,38156338	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	HC	HC6 Rep 1	35966	15,19594053	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	HC	HC6 Rep 2	86920	15,89983926	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y10	Heavy	HC	HC6 Rep 3	80216	15,83304218	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	CD	CD1 Rep 1	27527	14,87901018	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	CD	CD1 Rep 2	47519	15,48639083	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	CD	CD1 Rep 3	37077	15,08856015	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	CD	CD2 Rep 1	30128	15,54147125	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	CD	CD2 Rep 2	56048	15,89153156	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	CD	CD2 Rep 3	82748	16,28928188	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	CD	CD3 Rep 1	47696	15,72185031	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	CD	CD3 Rep 2	80452	16,22323009	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	CD	CD3 Rep 3	75144	16,01257185	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	CD	CD4 Rep 1	42085	15,54209906	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	CD	CD4 Rep 2	95059	16,27510834	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	CD	CD4 Rep 3	82029	16,05259811	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	CD	CD5 Rep 1	41649	15,73936003	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	CD	CD5 Rep 2	100111	16,67524707	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	CD	CD5 Rep 3	105198	16,63461725	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	CD	CD6 Rep 1	42349	15,57385609	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	CD	CD6 Rep 2	94673	16,23448346	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	CD	CD6 Rep 3	106093	16,29879994	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	HC	HC1 Rep 1	46629	15,76214652	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	HC	HC1 Rep 2	54847	15,78003222	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	HC	HC1 Rep 3	57196	15,78199585	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	HC	HC2 Rep 1	38587	15,58025404	n.a

KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	HC	HC2 Rep 2	94834	16,3335694	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	HC	HC2 Rep 3	98875	16,30140968	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	HC	HC3 Rep 1	53973	15,80121448	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	HC	HC3 Rep 2	74765	16,06478377	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	HC	HC3 Rep 3	74196	15,90982429	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	HC	HC4 Rep 1	37445	15,64566395	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	HC	HC4 Rep 2	76831	16,17041551	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	HC	HC4 Rep 3	90218	16,37320502	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	HC	HC5 Rep 1	38054	15,2649065	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	HC	HC5 Rep 2	73092	15,82845702	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	HC	HC5 Rep 3	60079	15,52853513	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	HC	HC6 Rep 1	41792	15,41253362	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	HC	HC6 Rep 2	93862	16,01069229	n.a
KorA COG0674,COG1014 Bacteroides	707721	GQPFVSELVDAFTEILNK	y17	Heavy	HC	HC6 Rep 3	108965	16,27494505	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	CD	CD1 Rep 1	73841	16,30258488	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	CD	CD1 Rep 2	111640	16,71866848	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	CD	CD1 Rep 3	117330	16,75053567	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	CD	CD2 Rep 1	73656	16,8311694	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	CD	CD2 Rep 2	146399	17,27670246	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	CD	CD2 Rep 3	183993	17,44213642	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	CD	CD3 Rep 1	75017	16,3751996	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	CD	CD3 Rep 2	125826	16,86845997	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	CD	CD3 Rep 3	120873	16,69833405	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	CD	CD4 Rep 1	60899	16,07521148	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	CD	CD4 Rep 2	131550	16,74382446	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	CD	CD4 Rep 3	103975	16,39462885	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	CD	CD5 Rep 1	80848	16,69629026	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	CD	CD5 Rep 2	151189	17,26999974	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	CD	CD5 Rep 3	150144	17,14785679	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	CD	CD6 Rep 1	71283	16,32508624	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	CD	CD6 Rep 2	153815	16,93465472	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	CD	CD6 Rep 3	166352	16,94770968	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGSYPITPATDILHELK	y11	Heavy	HC	HC1 Rep 1	78242	16,50886228	n.a

KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Heavy	HC	HC1 Rep 2	106550	16,7380782	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Heavy	HC	HC1 Rep 3	106446	16,67813143	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Heavy	HC	HC2 Rep 1	72831	16,49669181	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Heavy	HC	HC2 Rep 2	161471	17,10136819	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Heavy	HC	HC2 Rep 3	154359	16,94402159	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Heavy	HC	HC3 Rep 1	77406	16,321422	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Heavy	HC	HC3 Rep 2	134823	16,91541545	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Heavy	HC	HC3 Rep 3	134852	16,77178789	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Heavy	HC	HC4 Rep 1	78689	16,71705284	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Heavy	HC	HC4 Rep 2	137620	17,01134522	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Heavy	HC	HC4 Rep 3	141892	17,02651107	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Heavy	HC	HC5 Rep 1	78336	16,30653385	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Heavy	HC	HC5 Rep 2	136347	16,72795457	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Heavy	HC	HC5 Rep 3	132602	16,67070496	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Heavy	HC	HC6 Rep 1	68572	16,12692641	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Heavy	HC	HC6 Rep 2	162473	16,80227917	n.a
KorA COG0674,COG1014 Bacteroides	707721	LFLGYPITPATDILHELK	y11	Heavy	HC	HC6 Rep 3	132061	16,55228472	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	CD	CD1 Rep 1	32823	15,1328699	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	CD	CD1 Rep 2	45299	15,41736556	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	CD	CD1 Rep 3	50259	15,5274176	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	CD	CD2 Rep 1	28519	15,46228974	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	CD	CD2 Rep 2	54989	15,86401172	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	CD	CD2 Rep 3	57157	15,75548764	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	CD	CD3 Rep 1	33202	15,19925218	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	CD	CD3 Rep 2	56591	15,71567444	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	CD	CD3 Rep 3	56590	15,60346107	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	CD	CD4 Rep 1	36257	15,3270525	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	CD	CD4 Rep 2	73889	15,91164472	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	CD	CD4 Rep 3	67581	15,77308177	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	CD	CD5 Rep 1	30777	15,30293079	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	CD	CD5 Rep 2	58297	15,89514011	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	CD	CD5 Rep 3	48820	15,52705417	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	CD	CD6 Rep 1	37360	15,39302264	n.a

FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	CD	CD6 Rep 2	69323	15,78486451	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	CD	CD6 Rep 3	79463	15,88182564	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	HC	HC1 Rep 1	33585	15,28873606	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	HC	HC1 Rep 2	57657	15,85211529	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	HC	HC1 Rep 3	57805	15,79727589	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	HC	HC2 Rep 1	35364	15,45442063	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	HC	HC2 Rep 2	62233	15,72584481	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	HC	HC2 Rep 3	71668	15,83713299	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	HC	HC3 Rep 1	36510	15,23726827	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	HC	HC3 Rep 2	46966	15,39403745	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	HC	HC3 Rep 3	67729	15,77825658	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	HC	HC4 Rep 1	32217	15,42871302	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	HC	HC4 Rep 2	53569	15,65012534	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	HC	HC4 Rep 3	34742	14,99647053	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	HC	HC5 Rep 1	43454	15,45634737	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	HC	HC5 Rep 2	74504	15,85606614	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	HC	HC5 Rep 3	54355	15,38408708	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	HC	HC6 Rep 1	38533	15,29540133	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	HC	HC6 Rep 2	73735	15,66250067	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Heavy	HC	HC6 Rep 3	77831	15,78949704	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	CD	CD1 Rep 1	17035	14,18666474	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	CD	CD1 Rep 2	29512	14,79918805	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	CD	CD1 Rep 3	25208	14,53191729	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	CD	CD2 Rep 1	11865	14,19707845	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	CD	CD2 Rep 2	27410	14,85957099	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	CD	CD2 Rep 3	28536	14,75334056	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	CD	CD3 Rep 1	15809	14,12872814	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	CD	CD3 Rep 2	34737	15,01157497	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	CD	CD3 Rep 3	33195	14,83387989	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	CD	CD4 Rep 1	16991	14,23356371	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	CD	CD4 Rep 2	39323	15,00165851	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	CD	CD4 Rep 3	36589	14,88787406	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	CD	CD5 Rep 1	13708	14,13609627	n.a

FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	CD	CD5 Rep 2	35683	15,18695538	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	CD	CD5 Rep 3	28256	14,73813912	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	CD	CD6 Rep 1	18422	14,37295789	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	CD	CD6 Rep 2	36795	14,87104016	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	CD	CD6 Rep 3	40323	14,90314536	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	HC	HC1 Rep 1	19346	14,49295433	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	HC	HC1 Rep 2	33297	15,06001171	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	HC	HC1 Rep 3	27554	14,72834337	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	HC	HC2 Rep 1	16896	14,3888209	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	HC	HC2 Rep 2	36323	14,94904838	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	HC	HC2 Rep 3	41451	15,0472108	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	HC	HC3 Rep 1	15689	14,01873	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	HC	HC3 Rep 2	30678	14,77962515	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	HC	HC3 Rep 3	40762	15,04570772	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	HC	HC4 Rep 1	13859	14,21171403	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	HC	HC4 Rep 2	31352	14,87728446	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	HC	HC4 Rep 3	23047	14,40436869	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	HC	HC5 Rep 1	22156	14,48455583	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	HC	HC5 Rep 2	36995	14,84607381	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	HC	HC5 Rep 3	34550	14,73036004	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	HC	HC6 Rep 1	20874	14,4110139	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	HC	HC6 Rep 2	42108	14,85424544	n.a
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Heavy	HC	HC6 Rep 3	45411	15,01219396	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	CD	CD1 Rep 1	44366	15,56761728	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	CD	CD1 Rep 2	45636	15,4280587	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	CD	CD1 Rep 3	49005	15,49096459	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	CD	CD2 Rep 1	29348	15,50362854	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	CD	CD2 Rep 2	45738	15,59826195	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	CD	CD2 Rep 3	43820	15,37214693	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	CD	CD3 Rep 1	39818	15,46140279	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	CD	CD3 Rep 2	46438	15,43040765	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	CD	CD3 Rep 3	48097	15,36886084	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	CD	CD4 Rep 1	49770	15,78406933	n.a

FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	CD	CD4 Rep 2	50094	15,35092293	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	CD	CD4 Rep 3	63567	15,68474207	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	CD	CD5 Rep 1	34436	15,46499575	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	CD	CD5 Rep 2	52792	15,75203779	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	CD	CD5 Rep 3	52012	15,61842639	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	CD	CD6 Rep 1	37735	15,40743146	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	CD	CD6 Rep 2	59884	15,57370102	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	CD	CD6 Rep 3	64351	15,57750495	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	HC	HC1 Rep 1	33888	15,30169353	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	HC	HC1 Rep 2	42773	15,42131991	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	HC	HC1 Rep 3	42987	15,36998203	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	HC	HC2 Rep 1	38945	15,59357728	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	HC	HC2 Rep 2	45593	15,27697736	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	HC	HC2 Rep 3	53177	15,40660628	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	HC	HC3 Rep 1	42938	15,4712316	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	HC	HC3 Rep 2	39317	15,13757396	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	HC	HC3 Rep 3	48592	15,29920169	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	HC	HC4 Rep 1	34573	15,53053666	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	HC	HC4 Rep 2	43240	15,3410935	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	HC	HC4 Rep 3	47954	15,46144088	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	HC	HC5 Rep 1	44485	15,49017734	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	HC	HC5 Rep 2	53266	15,37195846	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	HC	HC5 Rep 3	60869	15,54738199	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	HC	HC6 Rep 1	47937	15,61044644	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	HC	HC6 Rep 2	49935	15,10020245	n.a
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Heavy	HC	HC6 Rep 3	68158	15,59803515	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	CD	CD1 Rep 1	4161	12,15316499	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	CD	CD1 Rep 2	11171	13,39764469	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	CD	CD1 Rep 3	11174	13,35818136	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	CD	CD2 Rep 1	3483	12,42876872	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	CD	CD2 Rep 2	7466	12,98327608	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	CD	CD2 Rep 3	11612	13,45617392	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	CD	CD3 Rep 1	6394	12,82277268	n.a

FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	CD	CD3 Rep 2	11185	13,37666706	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	CD	CD3 Rep 3	11958	13,36089005	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	CD	CD4 Rep 1	5804	12,68391237	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	CD	CD4 Rep 2	12653	13,3657646	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	CD	CD4 Rep 3	13369	13,43535563	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	CD	CD5 Rep 1	5291	12,7626905	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	CD	CD5 Rep 2	12040	13,61955386	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	CD	CD5 Rep 3	13565	13,67947092	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	CD	CD6 Rep 1	4465	12,32826027	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	CD	CD6 Rep 2	17138	13,76872918	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	CD	CD6 Rep 3	16142	13,58236172	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	HC	HC1 Rep 1	4738	12,46326913	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	HC	HC1 Rep 2	8979	13,1692462	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	HC	HC1 Rep 3	12332	13,56848839	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	HC	HC2 Rep 1	5209	12,6912175	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	HC	HC2 Rep 2	12144	13,36840871	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	HC	HC2 Rep 3	13907	13,47161513	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	HC	HC3 Rep 1	5767	12,57486953	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	HC	HC3 Rep 2	14765	13,72460208	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	HC	HC3 Rep 3	11813	13,25885828	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	HC	HC4 Rep 1	4802	12,68259817	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	HC	HC4 Rep 2	9039	13,08296206	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	HC	HC4 Rep 3	11705	13,42691466	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	HC	HC5 Rep 1	5929	12,58271909	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	HC	HC5 Rep 2	13149	13,3536966	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	HC	HC5 Rep 3	13632	13,38867157	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	HC	HC6 Rep 1	6284	12,6790619	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	HC	HC6 Rep 2	17951	13,6242153	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Heavy	HC	HC6 Rep 3	16281	13,53234146	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	CD	CD1 Rep 1	26177	14,80646256	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	CD	CD1 Rep 2	57721	15,76698265	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	CD	CD1 Rep 3	54586	15,64656661	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	CD	CD2 Rep 1	17663	14,77109675	n.a

FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	CD	CD2 Rep 2	44627	15,56278549	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	CD	CD2 Rep 3	61153	15,85298072	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	CD	CD3 Rep 1	24947	14,78684836	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	CD	CD3 Rep 2	62251	15,85319882	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	CD	CD3 Rep 3	66007	15,82553296	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	CD	CD4 Rep 1	24265	14,74766981	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	CD	CD4 Rep 2	71057	15,85526189	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	CD	CD4 Rep 3	69750	15,81865729	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	CD	CD5 Rep 1	24300	14,96203449	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	CD	CD5 Rep 2	49262	15,65219367	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	CD	CD5 Rep 3	60565	15,83806619	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	CD	CD6 Rep 1	25560	14,84541603	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	CD	CD6 Rep 2	77969	15,95443106	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	CD	CD6 Rep 3	84049	15,96277303	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	HC	HC1 Rep 1	26185	14,92965964	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	HC	HC1 Rep 2	50204	15,65242183	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	HC	HC1 Rep 3	54051	15,70040291	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	HC	HC2 Rep 1	20308	14,65418733	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	HC	HC2 Rep 2	69225	15,87945816	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	HC	HC2 Rep 3	70513	15,81369315	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	HC	HC3 Rep 1	27582	14,83270367	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	HC	HC3 Rep 2	65527	15,8745102	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	HC	HC3 Rep 3	65174	15,72277942	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	HC	HC4 Rep 1	24594	15,03919726	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	HC	HC4 Rep 2	59812	15,80916194	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	HC	HC4 Rep 3	62305	15,83913767	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	HC	HC5 Rep 1	29376	14,89149635	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	HC	HC5 Rep 2	63482	15,6250911	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	HC	HC5 Rep 3	72285	15,79537063	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	HC	HC6 Rep 1	29197	14,89512695	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	HC	HC6 Rep 2	87515	15,9096814	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Heavy	HC	HC6 Rep 3	86385	15,93993297	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	CD	CD1 Rep 1	29049	14,95665129	n.a



FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	CD	CD1 Rep 2	55493	15,71019215	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	CD	CD1 Rep 3	54850	15,65352725	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	CD	CD2 Rep 1	24704	15,2551111	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	CD	CD2 Rep 2	51730	15,77586986	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	CD	CD2 Rep 3	64222	15,92362504	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	CD	CD3 Rep 1	26757	14,8878984	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	CD	CD3 Rep 2	65834	15,93393467	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	CD	CD3 Rep 3	69781	15,90574821	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	CD	CD4 Rep 1	29334	15,02136676	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	CD	CD4 Rep 2	75422	15,94127052	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	CD	CD4 Rep 3	75542	15,93374305	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	CD	CD5 Rep 1	25231	15,01627556	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	CD	CD5 Rep 2	63943	16,0285049	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	CD	CD5 Rep 3	67879	16,00254719	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	CD	CD6 Rep 1	27243	14,93741377	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	CD	CD6 Rep 2	76054	15,91855455	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	CD	CD6 Rep 3	88912	16,04392052	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	HC	HC1 Rep 1	24461	14,83140242	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	HC	HC1 Rep 2	52908	15,7281054	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	HC	HC1 Rep 3	59269	15,83335931	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	HC	HC2 Rep 1	22236	14,78503645	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	HC	HC2 Rep 2	73104	15,95811536	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	HC	HC2 Rep 3	81738	16,02681083	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	HC	HC3 Rep 1	30406	14,97333264	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	HC	HC3 Rep 2	71630	16,00298466	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	HC	HC3 Rep 3	72572	15,87789591	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	HC	HC4 Rep 1	25280	15,07888733	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	HC	HC4 Rep 2	69623	16,02829096	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	HC	HC4 Rep 3	65890	15,91984925	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	HC	HC5 Rep 1	31222	14,97942134	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	HC	HC5 Rep 2	75391	15,87313582	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	HC	HC5 Rep 3	71731	15,78427107	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	HC	HC6 Rep 1	33415	15,08980269	n.a

FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	HC	HC6 Rep 2	93407	16,00368175	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Heavy	HC	HC6 Rep 3	96710	16,10281722	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	CD	CD1 Rep 1	36007	15,2664402	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	CD	CD1 Rep 2	63200	15,89781091	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	CD	CD1 Rep 3	62264	15,83643389	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	CD	CD2 Rep 1	26869	15,37630897	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	CD	CD2 Rep 2	52219	15,78944349	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	CD	CD2 Rep 3	72617	16,10086477	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	CD	CD3 Rep 1	35851	15,30999539	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	CD	CD3 Rep 2	71539	16,05383176	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	CD	CD3 Rep 3	71651	15,94390077	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	CD	CD4 Rep 1	36299	15,32872275	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	CD	CD4 Rep 2	78874	16,00583492	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	CD	CD4 Rep 3	83246	16,07384502	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	CD	CD5 Rep 1	31571	15,33967814	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	CD	CD5 Rep 2	65374	16,06043544	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	CD	CD5 Rep 3	62183	15,8761021	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	CD	CD6 Rep 1	36207	15,34779683	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	CD	CD6 Rep 2	75920	15,91601042	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	CD	CD6 Rep 3	89363	16,05122	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	HC	HC1 Rep 1	32683	15,24945945	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	HC	HC1 Rep 2	50076	15,64873884	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	HC	HC1 Rep 3	62280	15,90485054	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	HC	HC2 Rep 1	28911	15,16375767	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	HC	HC2 Rep 2	76506	16,02373791	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	HC	HC2 Rep 3	83607	16,05942763	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	HC	HC3 Rep 1	37956	15,29330456	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	HC	HC3 Rep 2	71657	16,00352836	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	HC	HC3 Rep 3	66983	15,76227787	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	HC	HC4 Rep 1	34194	15,51463406	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	HC	HC4 Rep 2	71963	16,07598231	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	HC	HC4 Rep 3	57605	15,72598376	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Heavy	HC	HC5 Rep 1	40087	15,33999284	n.a

FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPVPSDK	y8	Heavy	HC	HC5 Rep 2	77295	15,90911861	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPVPSDK	y8	Heavy	HC	HC5 Rep 3	76993	15,88640161	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPVPSDK	y8	Heavy	HC	HC6 Rep 1	41772	15,41184303	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPVPSDK	y8	Heavy	HC	HC6 Rep 2	95077	16,02924747	n.a
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFPVPSDK	y8	Heavy	HC	HC6 Rep 3	104285	16,21161191	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	CD	CD1 Rep 1	234368	17,96886649	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	CD	CD1 Rep 2	390918	18,52668047	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	CD	CD1 Rep 3	411657	18,56140649	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	CD	CD2 Rep 1	117978	17,5108123	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	CD	CD2 Rep 2	252476	18,06294301	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	CD	CD2 Rep 3	231251	17,77194514	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	CD	CD3 Rep 1	216069	17,90140222	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	CD	CD3 Rep 2	354135	18,36132934	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	CD	CD3 Rep 3	365317	18,29399092	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	CD	CD4 Rep 1	225360	17,96295251	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	CD	CD4 Rep 2	417524	18,41007234	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	CD	CD4 Rep 3	414231	18,38882769	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	CD	CD5 Rep 1	165806	17,73250249	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	CD	CD5 Rep 2	322981	18,36509586	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	CD	CD5 Rep 3	316048	18,22165366	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	CD	CD6 Rep 1	196027	17,78450866	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	CD	CD6 Rep 2	393163	18,28858608	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	CD	CD6 Rep 3	344070	17,99617258	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	HC	HC1 Rep 1	207682	17,91722331	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	HC	HC1 Rep 2	354465	18,47219079	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	HC	HC1 Rep 3	348044	18,3872794	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	HC	HC2 Rep 1	197417	17,93531348	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	HC	HC2 Rep 2	314384	18,06262091	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	HC	HC2 Rep 3	353273	18,13851548	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	HC	HC3 Rep 1	219940	17,8280147	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	HC	HC3 Rep 2	431429	18,59347197	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	HC	HC3 Rep 3	426975	18,43456258	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	HC	HC4 Rep 1	148491	17,63319445	n.a

FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	HC	HC4 Rep 2	281552	18,04405647	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	HC	HC4 Rep 3	289129	18,05343114	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	HC	HC5 Rep 1	228696	17,85221762	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	HC	HC5 Rep 2	401904	18,28752255	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	HC	HC5 Rep 3	474349	18,50955133	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	HC	HC6 Rep 1	217035	17,78916263	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	HC	HC6 Rep 2	469213	18,33232216	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Heavy	HC	HC6 Rep 3	430860	18,25829941	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	CD	CD1 Rep 1	306095	18,35407037	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	CD	CD1 Rep 2	395970	18,54520558	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	CD	CD1 Rep 3	390936	18,48689617	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	CD	CD2 Rep 1	153050	17,88629749	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	CD	CD2 Rep 2	267875	18,1483567	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	CD	CD2 Rep 3	264098	17,96355891	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	CD	CD3 Rep 1	273799	18,2430273	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	CD	CD3 Rep 2	358068	18,3772635	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	CD	CD3 Rep 3	362434	18,28256033	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	CD	CD4 Rep 1	269826	18,22275041	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	CD	CD4 Rep 2	419433	18,41665358	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	CD	CD4 Rep 3	441088	18,47945868	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	CD	CD5 Rep 1	203451	18,02768764	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	CD	CD5 Rep 2	314501	18,32671117	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	CD	CD5 Rep 3	327859	18,27458547	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	CD	CD6 Rep 1	246584	18,11553548	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	CD	CD6 Rep 2	405149	18,3319111	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	CD	CD6 Rep 3	429386	18,31574563	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	HC	HC1 Rep 1	273571	18,31476243	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	HC	HC1 Rep 2	349465	18,45169558	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	HC	HC1 Rep 3	301038	18,1779553	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	HC	HC2 Rep 1	249082	18,27068802	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	HC	HC2 Rep 2	356100	18,24237555	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	HC	HC2 Rep 3	377538	18,23435385	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	HC	HC3 Rep 1	296723	18,26002146	n.a

FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	HC	HC3 Rep 2	416911	18,54408825	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	HC	HC3 Rep 3	424079	18,42474402	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	HC	HC4 Rep 1	197316	18,0433269	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	HC	HC4 Rep 2	265392	17,95877996	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	HC	HC4 Rep 3	292901	18,07213093	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	HC	HC5 Rep 1	302616	18,25627475	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	HC	HC5 Rep 2	422047	18,35807528	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	HC	HC5 Rep 3	462598	18,47336145	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	HC	HC6 Rep 1	293333	18,22377429	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	HC	HC6 Rep 2	481603	18,36992356	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Heavy	HC	HC6 Rep 3	480149	18,41456242	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	CD	CD1 Rep 1	190125	17,66703913	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	CD	CD1 Rep 2	275218	18,02038928	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	CD	CD1 Rep 3	266163	17,93227376	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	CD	CD2 Rep 1	102407	17,30660877	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	CD	CD2 Rep 2	197054	17,70538779	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	CD	CD2 Rep 3	175424	17,37333167	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	CD	CD3 Rep 1	169242	17,54899776	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	CD	CD3 Rep 2	259412	17,91227512	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	CD	CD3 Rep 3	257740	17,79075848	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	CD	CD4 Rep 1	181583	17,65135018	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	CD	CD4 Rep 2	298620	17,926524	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	CD	CD4 Rep 3	300109	17,92387875	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	CD	CD5 Rep 1	136336	17,45017283	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	CD	CD5 Rep 2	231005	17,88157064	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	CD	CD5 Rep 3	229099	17,75748113	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	CD	CD6 Rep 1	171964	17,59556286	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	CD	CD6 Rep 2	304098	17,91799485	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	CD	CD6 Rep 3	293590	17,7672733	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	HC	HC1 Rep 1	169518	17,6242856	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	HC	HC1 Rep 2	256728	18,00678826	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	HC	HC1 Rep 3	224082	17,75203646	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	HC	HC2 Rep 1	160864	17,63990875	n.a

FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	HC	HC2 Rep 2	221861	17,55974919	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	HC	HC2 Rep 3	278814	17,79703499	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	HC	HC3 Rep 1	185940	17,58574186	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	HC	HC3 Rep 2	290562	18,02319485	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	HC	HC3 Rep 3	314216	17,99216762	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	HC	HC4 Rep 1	119593	17,32095191	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	HC	HC4 Rep 2	195253	17,51599979	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	HC	HC4 Rep 3	212715	17,61063959	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	HC	HC5 Rep 1	200259	17,66065357	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	HC	HC5 Rep 2	300521	17,86813742	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	HC	HC5 Rep 3	335563	18,01018607	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	HC	HC6 Rep 1	175565	17,48324017	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	HC	HC6 Rep 2	348604	17,9036683	n.a
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Heavy	HC	HC6 Rep 3	335674	17,89814104	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	CD	CD1 Rep 1	109806	16,87504777	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	CD	CD1 Rep 2	94698	16,48122031	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	CD	CD1 Rep 3	105019	16,59061409	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	CD	CD2 Rep 1	93732	17,17890801	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	CD	CD2 Rep 2	103286	16,77344148	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	CD	CD2 Rep 3	108102	16,67487875	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	CD	CD3 Rep 1	123719	17,0969772	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	CD	CD3 Rep 2	102155	16,56778972	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	CD	CD3 Rep 3	100801	16,43635198	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	CD	CD4 Rep 1	116211	17,00746767	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	CD	CD4 Rep 2	108285	16,46304662	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	CD	CD4 Rep 3	122129	16,62679798	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	CD	CD5 Rep 1	117082	17,23052557	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	CD	CD5 Rep 2	111841	16,83509573	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	CD	CD5 Rep 3	109625	16,69408681	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	CD	CD6 Rep 1	125429	17,14032723	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	CD	CD6 Rep 2	127148	16,65996729	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	CD	CD6 Rep 3	125520	16,54138773	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	HC	HC1 Rep 1	115346	17,0688151	n.a

FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	HC	HC1 Rep 2	90491	16,50239383	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	HC	HC1 Rep 3	83683	16,33101617	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	HC	HC2 Rep 1	124439	17,26950596	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	HC	HC2 Rep 2	109975	16,54726871	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	HC	HC2 Rep 3	106131	16,4035781	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	HC	HC3 Rep 1	119353	16,94613953	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	HC	HC3 Rep 2	80161	16,16532123	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	HC	HC3 Rep 3	109756	16,47471079	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	HC	HC4 Rep 1	116711	17,2857595	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	HC	HC4 Rep 2	109919	16,68709586	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	HC	HC4 Rep 3	112157	16,68723748	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	HC	HC5 Rep 1	136668	17,10946197	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	HC	HC5 Rep 2	109830	16,41594379	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	HC	HC5 Rep 3	122401	16,55521777	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	HC	HC6 Rep 1	139065	17,14699428	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	HC	HC6 Rep 2	124098	16,41355904	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y10	Heavy	HC	HC6 Rep 3	130673	16,53704132	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	CD	CD1 Rep 1	73357	16,29309743	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	CD	CD1 Rep 2	55989	15,72302977	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	CD	CD1 Rep 3	54072	15,63291735	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	CD	CD2 Rep 1	71926	16,79687972	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	CD	CD2 Rep 2	63237	16,06563759	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	CD	CD2 Rep 3	60888	15,84671537	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	CD	CD3 Rep 1	78554	16,44166677	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	CD	CD3 Rep 2	58576	15,76541149	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	CD	CD3 Rep 3	61767	15,72975019	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	CD	CD4 Rep 1	82765	16,51781375	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	CD	CD4 Rep 2	62103	15,66094808	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	CD	CD4 Rep 3	65992	15,73875521	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	CD	CD5 Rep 1	80479	16,68969056	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	CD	CD5 Rep 2	60559	15,95005985	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	CD	CD5 Rep 3	67020	15,98417356	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	CD	CD6 Rep 1	91473	16,68487416	n.a

FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	CD	CD6 Rep 2	70016	15,79921507	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	CD	CD6 Rep 3	82504	15,93600645	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	HC	HC1 Rep 1	83856	16,60883305	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	HC	HC1 Rep 2	47029	15,55817017	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	HC	HC1 Rep 3	49765	15,58121304	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	HC	HC2 Rep 1	85098	16,72126439	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	HC	HC2 Rep 2	72805	15,95220255	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	HC	HC2 Rep 3	66036	15,71905663	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	HC	HC3 Rep 1	81484	16,3954934	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	HC	HC3 Rep 2	45137	15,33673125	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	HC	HC3 Rep 3	63241	15,67934306	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	HC	HC4 Rep 1	80988	16,75859902	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	HC	HC4 Rep 2	57390	15,74952635	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	HC	HC4 Rep 3	66990	15,94373547	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	HC	HC5 Rep 1	91763	16,53477095	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	HC	HC5 Rep 2	59260	15,52580214	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	HC	HC5 Rep 3	68550	15,71883099	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	HC	HC6 Rep 1	92368	16,55669994	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	HC	HC6 Rep 2	81555	15,80792441	n.a
FusA COG0480 Bacteroides	724132	VHEGDDLTNADR	y9	Heavy	HC	HC6 Rep 3	78847	15,80820801	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Heavy	CD	CD1 Rep 1	144251	17,26867221	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Heavy	CD	CD1 Rep 2	170677	17,33108311	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Heavy	CD	CD1 Rep 3	177139	17,34484561	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Heavy	CD	CD2 Rep 1	116085	17,48747601	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Heavy	CD	CD2 Rep 2	171859	17,50802217	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Heavy	CD	CD2 Rep 3	171301	17,33901911	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Heavy	CD	CD3 Rep 1	154976	17,42195493	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Heavy	CD	CD3 Rep 2	184372	17,41964948	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Heavy	CD	CD3 Rep 3	177445	17,25221395	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Heavy	CD	CD4 Rep 1	142712	17,30382769	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Heavy	CD	CD4 Rep 2	212492	17,43562174	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Heavy	CD	CD4 Rep 3	202251	17,354539	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Heavy	CD	CD5 Rep 1	135301	17,43917877	n.a



ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	CD	CD5 Rep 2	176570	17,49388681	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	CD	CD5 Rep 3	189142	17,48097973	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	CD	CD6 Rep 1	141934	17,31867651	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	CD	CD6 Rep 2	185317	17,20345375	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	CD	CD6 Rep 3	230199	17,41635204	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	HC	HC1 Rep 1	137250	17,31965328	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	HC	HC1 Rep 2	162817	17,34979895	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	HC	HC1 Rep 3	160910	17,27426368	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	HC	HC2 Rep 1	142800	17,46806323	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	HC	HC2 Rep 2	195186	17,37494269	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	HC	HC2 Rep 3	217891	17,44133859	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	HC	HC3 Rep 1	166063	17,42263536	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	HC	HC3 Rep 2	183946	17,36363112	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	HC	HC3 Rep 3	203854	17,36794724	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	HC	HC4 Rep 1	138259	17,53019235	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	HC	HC4 Rep 2	166682	17,28775339	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	HC	HC4 Rep 3	186617	17,42179823	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	HC	HC5 Rep 1	155913	17,29952771	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	HC	HC5 Rep 2	207293	17,33234301	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	HC	HC5 Rep 3	198675	17,25401277	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	HC	HC6 Rep 1	164799	17,3919424	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	HC	HC6 Rep 2	222673	17,25700581	n.a
ClpB COG0542 Bacteroides	1562586	VVGQDEIAAVSDAVR	y8	Heavy	HC	HC6 Rep 3	228599	17,34389934	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	CD	CD1 Rep 1	207398	17,79249287	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	CD	CD1 Rep 2	182691	17,42922001	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	CD	CD1 Rep 3	185503	17,41140625	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	CD	CD2 Rep 1	119050	17,52386206	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	CD	CD2 Rep 2	165661	17,45503076	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	CD	CD2 Rep 3	169000	17,31950878	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	CD	CD3 Rep 1	197386	17,77092979	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	CD	CD3 Rep 2	188785	17,45377404	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	CD	CD3 Rep 3	198101	17,41107819	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	CD	CD4 Rep 1	196080	17,76216343	n.a

ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	CD	CD4 Rep 2	169860	17,11255936	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	CD	CD4 Rep 3	231987	17,55243613	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	CD	CD5 Rep 1	155799	17,64269225	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	CD	CD5 Rep 2	176954	17,49702094	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	CD	CD5 Rep 3	194865	17,52398496	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	CD	CD6 Rep 1	189031	17,73207913	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	CD	CD6 Rep 2	224640	17,48107336	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	CD	CD6 Rep 3	210179	17,285089	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	HC	HC1 Rep 1	185140	17,75146375	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	HC	HC1 Rep 2	171608	17,42566442	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	HC	HC1 Rep 3	179160	17,42925826	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	HC	HC2 Rep 1	150831	17,54700023	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	HC	HC2 Rep 2	179802	17,25650218	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	HC	HC2 Rep 3	189265	17,23813963	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	HC	HC3 Rep 1	212790	17,78033505	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	HC	HC3 Rep 2	223843	17,64683602	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	HC	HC3 Rep 3	228614	17,53332473	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	HC	HC4 Rep 1	160365	17,74417826	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	HC	HC4 Rep 2	163366	17,25876283	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	HC	HC4 Rep 3	185995	17,41698165	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	HC	HC5 Rep 1	213370	17,75214383	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	HC	HC5 Rep 2	231236	17,49003763	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	HC	HC5 Rep 3	235237	17,49771742	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	HC	HC6 Rep 1	194031	17,62752208	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	HC	HC6 Rep 2	264069	17,50299413	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Heavy	HC	HC6 Rep 3	207621	17,20503262	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	CD	CD1 Rep 1	428305	18,83872941	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	CD	CD1 Rep 2	458362	18,75630189	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	CD	CD1 Rep 3	483949	18,79481875	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	CD	CD2 Rep 1	247546	18,57999108	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	CD	CD2 Rep 2	364560	18,59295304	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	CD	CD2 Rep 3	374050	18,46571667	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	CD	CD3 Rep 1	388449	18,74763532	n.a

ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	CD	CD3 Rep 2	451197	18,71078738	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	CD	CD3 Rep 3	416170	18,482015	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	CD	CD4 Rep 1	414275	18,8413098	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	CD	CD4 Rep 2	432755	18,4617637	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	CD	CD4 Rep 3	548069	18,7927497	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	CD	CD5 Rep 1	334290	18,74410647	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	CD	CD5 Rep 2	418111	18,73753256	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	CD	CD5 Rep 3	425128	18,64940725	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	CD	CD6 Rep 1	371122	18,70534981	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	CD	CD6 Rep 2	504359	18,64790952	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	CD	CD6 Rep 3	426737	18,30681768	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	HC	HC1 Rep 1	391613	18,83227578	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	HC	HC1 Rep 2	421687	18,72272015	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	HC	HC1 Rep 3	403487	18,60053188	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	HC	HC2 Rep 1	340670	18,72244216	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	HC	HC2 Rep 2	428471	18,50929067	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	HC	HC2 Rep 3	458533	18,51475755	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	HC	HC3 Rep 1	470547	18,92524353	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	HC	HC3 Rep 2	530860	18,89268025	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	HC	HC3 Rep 3	535902	18,76238018	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	HC	HC4 Rep 1	316946	18,72705602	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	HC	HC4 Rep 2	409970	18,58617342	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	HC	HC4 Rep 3	435945	18,64586395	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	HC	HC5 Rep 1	452961	18,83817332	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	HC	HC5 Rep 2	521808	18,66419067	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	HC	HC5 Rep 3	552927	18,73069145	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	HC	HC6 Rep 1	455861	18,8598289	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	HC	HC6 Rep 2	595636	18,67651013	n.a
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Heavy	HC	HC6 Rep 3	478422	18,40936398	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	CD	CD1 Rep 1	27158	14,85954003	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	CD	CD1 Rep 2	82089	16,27507527	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	CD	CD1 Rep 3	94284	16,4350486	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	CD	CD2 Rep 1	18977	14,87461829	n.a

type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	CD	CD2 Rep 2	57493	15,92825498	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	CD	CD2 Rep 3	73793	16,12404141	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	CD	CD3 Rep 1	26385	14,86770001	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	CD	CD3 Rep 2	84766	16,29858752	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	CD	CD3 Rep 3	91002	16,28881219	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	CD	CD4 Rep 1	28114	14,96008168	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	CD	CD4 Rep 2	99649	16,34314044	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	CD	CD4 Rep 3	98938	16,32298881	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	CD	CD5 Rep 1	23886	14,93724345	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	CD	CD5 Rep 2	77823	16,31191507	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	CD	CD5 Rep 3	67371	15,99170959	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	CD	CD6 Rep 1	27986	14,97623349	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	CD	CD6 Rep 2	107238	16,41427474	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	CD	CD6 Rep 3	115726	16,4241835	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	HC	HC1 Rep 1	25884	14,91297961	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	HC	HC1 Rep 2	81101	16,34433922	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	HC	HC1 Rep 3	76587	16,20318112	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	HC	HC2 Rep 1	25246	14,96819398	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	HC	HC2 Rep 2	93053	16,30621768	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	HC	HC2 Rep 3	103496	16,367307	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	HC	HC3 Rep 1	35014	15,17690849	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	HC	HC3 Rep 2	122476	16,77684789	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	HC	HC3 Rep 3	111090	16,49213993	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	HC	HC4 Rep 1	26417	15,1423575	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	HC	HC4 Rep 2	91241	16,41840924	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	HC	HC4 Rep 3	98158	16,49489557	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	HC	HC5 Rep 1	30435	14,94258975	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	HC	HC5 Rep 2	114554	16,47669945	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	HC	HC5 Rep 3	114357	16,4571471	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	HC	HC6 Rep 1	33617	15,0984978	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	HC	HC6 Rep 2	132419	16,50718932	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Heavy	HC	HC6 Rep 3	121695	16,43435014	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	CD	CD1 Rep 1	25473	14,76713167	n.a

type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	CD	CD1 Rep 2	78448	16,20962302	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	CD	CD1 Rep 3	88647	16,34610744	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	CD	CD2 Rep 1	16557	14,67780764	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	CD	CD2 Rep 2	50628	15,74480416	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	CD	CD2 Rep 3	77431	16,19346872	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	CD	CD3 Rep 1	22332	14,62709449	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	CD	CD3 Rep 2	81264	16,23771819	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	CD	CD3 Rep 3	92394	16,3107131	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	CD	CD4 Rep 1	22946	14,66703563	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	CD	CD4 Rep 2	81420	16,05166834	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	CD	CD4 Rep 3	88963	16,16966951	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	CD	CD5 Rep 1	18633	14,57893815	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	CD	CD5 Rep 2	71629	16,19226227	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	CD	CD5 Rep 3	59068	15,80195864	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	CD	CD6 Rep 1	26520	14,89860897	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	CD	CD6 Rep 2	93984	16,2239456	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	CD	CD6 Rep 3	105035	16,28434062	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	HC	HC1 Rep 1	24269	14,82003369	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	HC	HC1 Rep 2	71657	16,16572716	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	HC	HC1 Rep 3	71104	16,09601232	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	HC	HC2 Rep 1	25571	14,98664774	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	HC	HC2 Rep 2	84428	16,16588655	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	HC	HC2 Rep 3	96879	16,27198786	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	HC	HC3 Rep 1	28459	14,87786157	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	HC	HC3 Rep 2	108246	16,59866253	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	HC	HC3 Rep 3	100425	16,34652944	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	HC	HC4 Rep 1	21290	14,83106681	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	HC	HC4 Rep 2	85951	16,3322414	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	HC	HC4 Rep 3	89955	16,36899319	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	HC	HC5 Rep 1	22410	14,50100104	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	HC	HC5 Rep 2	109583	16,41269561	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	HC	HC5 Rep 3	106809	16,35863564	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	HC	HC6 Rep 1	29921	14,93046521	n.a

type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	HC	HC6 Rep 2	125591	16,43081226	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Heavy	HC	HC6 Rep 3	112060	16,31535164	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	CD	CD1 Rep 1	60222	16,00845341	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	CD	CD1 Rep 2	170001	17,32535768	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	CD	CD1 Rep 3	179202	17,36155047	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	CD	CD2 Rep 1	41459	16,00205166	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	CD	CD2 Rep 2	102842	16,76722633	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	CD	CD2 Rep 3	159499	17,23603291	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	CD	CD3 Rep 1	54902	15,92484073	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	CD	CD3 Rep 2	158981	17,20588426	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	CD	CD3 Rep 3	187096	17,32862074	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	CD	CD4 Rep 1	57810	16,00011202	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	CD	CD4 Rep 2	184032	17,22816986	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	CD	CD4 Rep 3	201288	17,34765333	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	CD	CD5 Rep 1	48932	15,97185643	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	CD	CD5 Rep 2	144205	17,20176775	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	CD	CD5 Rep 3	129240	16,93156263	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	CD	CD6 Rep 1	61474	16,11150455	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	CD	CD6 Rep 2	206362	17,35863585	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	CD	CD6 Rep 3	235423	17,44872575	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	HC	HC1 Rep 1	64827	16,23751384	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	HC	HC1 Rep 2	161895	17,34160604	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	HC	HC1 Rep 3	134668	17,01741677	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	HC	HC2 Rep 1	57683	16,16028536	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	HC	HC2 Rep 2	183218	17,28365436	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	HC	HC2 Rep 3	204102	17,34702231	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	HC	HC3 Rep 1	66357	16,09922527	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	HC	HC3 Rep 2	221819	17,63373176	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	HC	HC3 Rep 3	206626	17,38743278	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	HC	HC4 Rep 1	54535	16,1880733	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	HC	HC4 Rep 2	178688	17,38809783	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	HC	HC4 Rep 3	179638	17,36681038	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	HC	HC5 Rep 1	66816	16,07705201	n.a

type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	HC	HC5 Rep 2	222651	17,4354557	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	HC	HC5 Rep 3	211783	17,34618921	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	HC	HC6 Rep 1	69475	16,14580074	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	HC	HC6 Rep 2	244932	17,39446045	n.a
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Heavy	HC	HC6 Rep 3	237248	17,39747617	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	CD	CD1 Rep 1	147673	17,30249696	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	CD	CD1 Rep 2	106090	16,64510312	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	CD	CD1 Rep 3	118325	16,76271865	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	CD	CD2 Rep 1	93145	17,16984467	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	CD	CD2 Rep 2	106054	16,8115958	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	CD	CD2 Rep 3	118983	16,813241	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	CD	CD3 Rep 1	143035	17,30627833	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	CD	CD3 Rep 2	131081	16,92748849	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	CD	CD3 Rep 3	126440	16,76329497	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	CD	CD4 Rep 1	122917	17,0884055	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	CD	CD4 Rep 2	147980	16,91361541	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	CD	CD4 Rep 3	118731	16,58608883	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	CD	CD5 Rep 1	101177	17,01988764	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	CD	CD5 Rep 2	104901	16,742675	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	CD	CD5 Rep 3	131012	16,95120893	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	CD	CD6 Rep 1	115493	17,0212617	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	CD	CD6 Rep 2	160990	17,0004296	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	CD	CD6 Rep 3	164900	16,93506187	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	HC	HC1 Rep 1	121305	17,14148614	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	HC	HC1 Rep 2	108963	16,77038594	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	HC	HC1 Rep 3	102204	16,61946135	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	HC	HC2 Rep 1	137308	17,41148294	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	HC	HC2 Rep 2	146522	16,96121041	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	HC	HC2 Rep 3	158392	16,98123146	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	HC	HC3 Rep 1	162430	17,39072281	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	HC	HC3 Rep 2	150733	17,07634412	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	HC	HC3 Rep 3	149090	16,91659447	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	HC	HC4 Rep 1	114645	17,25999239	n.a

type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	HC	HC4 Rep 2	120627	16,82120794	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	HC	HC4 Rep 3	103522	16,57165521	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	HC	HC5 Rep 1	158726	17,32532495	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	HC	HC5 Rep 2	151935	16,88412586	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	HC	HC5 Rep 3	155217	16,897889	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	HC	HC6 Rep 1	135174	17,10605259	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	HC	HC6 Rep 2	160837	16,78767851	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y6	Heavy	HC	HC6 Rep 3	155709	16,78993258	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	CD	CD1 Rep 1	142295	17,24897586	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	CD	CD1 Rep 2	126606	16,90016023	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	CD	CD1 Rep 3	153571	17,13886953	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	CD	CD2 Rep 1	80069	16,95161013	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	CD	CD2 Rep 2	118109	16,96691566	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	CD	CD2 Rep 3	125794	16,89354865	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	CD	CD3 Rep 1	129922	17,16755587	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	CD	CD3 Rep 2	148829	17,11068557	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	CD	CD3 Rep 3	159428	17,09774706	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	CD	CD4 Rep 1	128461	17,15205147	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	CD	CD4 Rep 2	170161	17,11511363	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	CD	CD4 Rep 3	141485	16,83904127	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	CD	CD5 Rep 1	104474	17,06615022	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	CD	CD5 Rep 2	128841	17,03923833	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	CD	CD5 Rep 3	149285	17,13957918	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	CD	CD6 Rep 1	118793	17,06190611	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	CD	CD6 Rep 2	199250	17,30803824	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	CD	CD6 Rep 3	175841	17,02774197	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	HC	HC1 Rep 1	113458	17,04500546	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	HC	HC1 Rep 2	144701	17,1796225	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	HC	HC1 Rep 3	122524	16,88107406	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	HC	HC2 Rep 1	126798	17,29659925	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	HC	HC2 Rep 2	161767	17,10401044	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	HC	HC2 Rep 3	185295	17,20755594	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	HC	HC3 Rep 1	152022	17,29518482	n.a



type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	HC	HC3 Rep 2	187256	17,38936076	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	HC	HC3 Rep 3	185641	17,23292635	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	HC	HC4 Rep 1	115253	17,26762326	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	HC	HC4 Rep 2	144206	17,07878627	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	HC	HC4 Rep 3	134404	16,94829389	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	HC	HC5 Rep 1	146199	17,20671993	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	HC	HC5 Rep 2	171492	17,05881289	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	HC	HC5 Rep 3	177654	17,0926726	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	HC	HC6 Rep 1	135288	17,10726879	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	HC	HC6 Rep 2	189077	17,02105306	n.a
type 1 dockerin Ruminococcus	1622487	FVSGTTNVNLSTSDYK	y8	Heavy	HC	HC6 Rep 3	204431	17,18269423	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	CD	CD1 Rep 1	190336	17,66863934	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	CD	CD1 Rep 2	182968	17,4314058	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	CD	CD1 Rep 3	227983	17,70888998	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	CD	CD2 Rep 1	105792	17,35352498	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	CD	CD2 Rep 2	153413	17,3442175	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	CD	CD2 Rep 3	137685	17,02385693	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	CD	CD3 Rep 1	171558	17,56860652	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	CD	CD3 Rep 2	225742	17,71170476	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	CD	CD3 Rep 3	229042	17,6204542	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	CD	CD4 Rep 1	176212	17,60803322	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	CD	CD4 Rep 2	218801	17,47783254	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	CD	CD4 Rep 3	237947	17,58903243	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	CD	CD5 Rep 1	146152	17,55047584	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	CD	CD5 Rep 2	210781	17,74939139	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	CD	CD5 Rep 3	212811	17,65108269	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	CD	CD6 Rep 1	162641	17,51514728	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	CD	CD6 Rep 2	191919	17,25395607	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	CD	CD6 Rep 3	251181	17,54219781	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	HC	HC1 Rep 1	169528	17,6243707	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	HC	HC1 Rep 2	201724	17,65893035	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	HC	HC1 Rep 3	211045	17,66556034	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	HC	HC2 Rep 1	158121	17,61509624	n.a

type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	HC	HC2 Rep 2	205527	17,44942104	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	HC	HC2 Rep 3	195529	17,28511458	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	HC	HC3 Rep 1	194938	17,65392004	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	HC	HC3 Rep 2	258489	17,8544517	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	HC	HC3 Rep 3	242692	17,61953753	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	HC	HC4 Rep 1	139961	17,54784383	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	HC	HC4 Rep 2	185503	17,44209759	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	HC	HC4 Rep 3	195915	17,49194568	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	HC	HC5 Rep 1	188969	17,57693607	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	HC	HC5 Rep 2	258058	17,64836697	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	HC	HC5 Rep 3	268950	17,69094041	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	HC	HC6 Rep 1	164473	17,38908568	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	HC	HC6 Rep 2	239843	17,36416951	n.a
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVGK	y10	Heavy	HC	HC6 Rep 3	227223	17,33518912	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	CD	CD1 Rep 1	268916	18,16724648	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	CD	CD1 Rep 2	484541	18,8364332	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	CD	CD1 Rep 3	554448	18,99101589	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	CD	CD2 Rep 1	203772	18,29925027	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	CD	CD2 Rep 2	301591	18,31939014	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	CD	CD2 Rep 3	425243	18,65077302	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	CD	CD3 Rep 1	247688	18,0984341	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	CD	CD3 Rep 2	512942	18,89582561	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	CD	CD3 Rep 3	498928	18,74367366	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	CD	CD4 Rep 1	271897	18,23378127	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	CD	CD4 Rep 2	580875	18,88644095	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	CD	CD4 Rep 3	567724	18,8435819	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	CD	CD5 Rep 1	224466	18,16950321	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	CD	CD5 Rep 2	454194	18,85695521	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	CD	CD5 Rep 3	484901	18,8392002	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	CD	CD6 Rep 1	224903	17,98275919	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	CD	CD6 Rep 2	588688	18,87096174	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	CD	CD6 Rep 3	614852	18,83370966	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	HC	HC1 Rep 1	263364	18,25990528	n.a

type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	HC	HC1 Rep 2	429356	18,74872196	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	HC	HC1 Rep 3	429836	18,69179601	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	HC	HC2 Rep 1	279431	18,43655934	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	HC	HC2 Rep 2	529140	18,81374259	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	HC	HC2 Rep 3	552775	18,78442436	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	HC	HC3 Rep 1	257716	18,0566868	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	HC	HC3 Rep 2	361418	18,33801717	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	HC	HC3 Rep 3	538697	18,76988501	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	HC	HC4 Rep 1	244951	18,35531214	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	HC	HC4 Rep 2	434263	18,66922411	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	HC	HC4 Rep 3	465703	18,74112799	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	HC	HC5 Rep 1	303895	18,26235942	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	HC	HC5 Rep 2	554361	18,75149738	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	HC	HC5 Rep 3	620805	18,8977426	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	HC	HC6 Rep 1	255722	18,02581119	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	HC	HC6 Rep 2	689921	18,88851035	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y11	Heavy	HC	HC6 Rep 3	666584	18,88786693	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	CD	CD1 Rep 1	146364	17,28965164	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	CD	CD1 Rep 2	183069	17,43220196	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	CD	CD1 Rep 3	216175	17,63216342	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	CD	CD2 Rep 1	101805	17,29810286	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	CD	CD2 Rep 2	130919	17,11547125	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	CD	CD2 Rep 3	175909	17,37731483	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	CD	CD3 Rep 1	140493	17,28040837	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	CD	CD3 Rep 2	202425	17,55441738	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	CD	CD3 Rep 3	174463	17,22776313	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	CD	CD4 Rep 1	140273	17,27895838	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	CD	CD4 Rep 2	217281	17,46777523	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	CD	CD4 Rep 3	224563	17,50551241	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	CD	CD5 Rep 1	117813	17,23950501	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	CD	CD5 Rep 2	186112	17,56981764	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	CD	CD5 Rep 3	197257	17,54158647	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	CD	CD6 Rep 1	138599	17,28437313	n.a

type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	CD	CD6 Rep 2	252085	17,64736879	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	CD	CD6 Rep 3	248219	17,52508402	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	HC	HC1 Rep 1	122453	17,15507525	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	HC	HC1 Rep 2	165112	17,36999258	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	HC	HC1 Rep 3	171430	17,36562929	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	HC	HC2 Rep 1	125133	17,27752956	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	HC	HC2 Rep 2	218110	17,53514903	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	HC	HC2 Rep 3	219272	17,45045358	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	HC	HC3 Rep 1	140459	17,18105377	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	HC	HC3 Rep 2	141732	16,98751434	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	HC	HC3 Rep 3	210506	17,41427233	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	HC	HC4 Rep 1	118992	17,31368354	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	HC	HC4 Rep 2	182581	17,41919172	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	HC	HC4 Rep 3	191462	17,4587759	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	HC	HC5 Rep 1	163027	17,3638974	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	HC	HC5 Rep 2	216122	17,39251755	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	HC	HC5 Rep 3	244122	17,55120474	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	HC	HC6 Rep 1	139634	17,15288518	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	HC	HC6 Rep 2	279667	17,58578921	n.a
type 1 dockerin Ruminococcus	1622487	VNVNVDATVTLAPVK	y4	Heavy	HC	HC6 Rep 3	265926	17,56210508	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	CD	CD1 Rep 1	175311	17,55000741	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	CD	CD1 Rep 2	160860	17,24562007	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	CD	CD1 Rep 3	158857	17,18769239	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	CD	CD2 Rep 1	99941	17,271443	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	CD	CD2 Rep 2	128232	17,08555309	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	CD	CD2 Rep 3	128648	16,92591456	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	CD	CD3 Rep 1	152308	17,39690184	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	CD	CD3 Rep 2	137419	16,99561139	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	CD	CD3 Rep 3	165259	17,14957087	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	CD	CD4 Rep 1	165870	17,52077402	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	CD	CD4 Rep 2	168690	17,10258766	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	CD	CD4 Rep 3	167464	17,08224315	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	CD	CD5 Rep 1	122390	17,29449196	n.a

type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	CD	CD5 Rep 2	126385	17,01147181	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	CD	CD5 Rep 3	135454	16,99931297	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	CD	CD6 Rep 1	148431	17,38324872	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	CD	CD6 Rep 2	169587	17,0754841	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	CD	CD6 Rep 3	147356	16,77277628	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	HC	HC1 Rep 1	150546	17,4530515	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	HC	HC1 Rep 2	144782	17,18042986	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	HC	HC1 Rep 3	143564	17,10970372	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	HC	HC2 Rep 1	139497	17,43430135	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	HC	HC2 Rep 2	151745	17,01174209	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	HC	HC2 Rep 3	168159	17,06755798	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	HC	HC3 Rep 1	164423	17,40831682	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	HC	HC3 Rep 2	135429	16,92188552	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	HC	HC3 Rep 3	170113	17,10690437	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	HC	HC4 Rep 1	120310	17,32957552	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	HC	HC4 Rep 2	134138	16,97437307	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	HC	HC4 Rep 3	150718	17,11356954	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	HC	HC5 Rep 1	164130	17,37362545	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	HC	HC5 Rep 2	166459	17,01583848	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	HC	HC5 Rep 3	182060	17,12801641	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	HC	HC6 Rep 1	162782	17,37417609	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	HC	HC6 Rep 2	189331	17,02298983	n.a
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Heavy	HC	HC6 Rep 3	182989	17,02283717	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	CD	CD1 Rep 1	19673	14,39437977	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	CD	CD1 Rep 2	55337	15,70613079	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	CD	CD1 Rep 3	29544	14,7609008	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	CD	CD2 Rep 1	32401	15,64640469	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	CD	CD2 Rep 2	64874	16,10250906	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	CD	CD2 Rep 3	78274	16,20909061	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	CD	CD3 Rep 1	37646	15,38047861	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	CD	CD3 Rep 2	97844	16,50558519	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	CD	CD3 Rep 3	87676	16,23509591	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	CD	CD4 Rep 1	34483	15,25467824	n.a

DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	CD	CD4 Rep 2	85866	16,1283721	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	CD	CD4 Rep 3	63485	15,68287983	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	CD	CD5 Rep 1	39032	15,64573557	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	CD	CD5 Rep 2	109327	16,80229631	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	CD	CD5 Rep 3	99709	16,55730561	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	CD	CD6 Rep 1	36013	15,34004598	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	CD	CD6 Rep 2	84379	16,06841441	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	CD	CD6 Rep 3	92999	16,10875758	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	HC	HC1 Rep 1	39745	15,53169241	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	HC	HC1 Rep 2	72348	16,17957265	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	HC	HC1 Rep 3	73145	16,13684085	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	HC	HC2 Rep 1	38112	15,56238448	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	HC	HC2 Rep 2	96982	16,36588202	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	HC	HC2 Rep 3	95400	16,24979316	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	HC	HC3 Rep 1	47718	15,62351018	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	HC	HC3 Rep 2	87621	16,2936974	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	HC	HC3 Rep 3	95854	16,27932152	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	HC	HC4 Rep 1	33819	15,49872486	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	HC	HC4 Rep 2	89886	16,39682341	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	HC	HC4 Rep 3	105218	16,59509935	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	HC	HC5 Rep 1	26351	14,7347161	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	HC	HC5 Rep 2	77118	15,90581115	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	HC	HC5 Rep 3	58532	15,4908999	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	HC	HC6 Rep 1	34321	15,1283984	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	HC	HC6 Rep 2	100799	16,1135605	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Heavy	HC	HC6 Rep 3	99316	16,14117831	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	CD	CD1 Rep 1	155217	17,37437746	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	CD	CD1 Rep 2	397879	18,55214421	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	CD	CD1 Rep 3	279048	18,00047703	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	CD	CD2 Rep 1	218931	18,40277069	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	CD	CD2 Rep 2	449435	18,89490924	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	CD	CD2 Rep 3	585726	19,11271147	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	CD	CD3 Rep 1	313251	18,43722924	n.a

DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	CD	CD3 Rep 2	694133	19,33224202	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	CD	CD3 Rep 3	650318	19,12598738	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	CD	CD4 Rep 1	281640	18,28457329	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	CD	CD4 Rep 2	646479	19,04081672	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	CD	CD4 Rep 3	498913	18,65718043	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	CD	CD5 Rep 1	289979	18,5389547	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	CD	CD5 Rep 2	744188	19,56931369	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	CD	CD5 Rep 3	715975	19,40141918	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	CD	CD6 Rep 1	280314	18,30050008	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	CD	CD6 Rep 2	580742	18,8513559	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	CD	CD6 Rep 3	688330	18,99657086	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	HC	HC1 Rep 1	320641	18,54380604	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	HC	HC1 Rep 2	524547	19,03761965	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	HC	HC1 Rep 3	560018	19,07348289	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	HC	HC2 Rep 1	283384	18,45682556	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	HC	HC2 Rep 2	636958	19,08129136	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	HC	HC2 Rep 3	637450	18,99004417	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	HC	HC3 Rep 1	359812	18,538148	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	HC	HC3 Rep 2	624654	19,12740611	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	HC	HC3 Rep 3	661902	19,06702861	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	HC	HC4 Rep 1	277284	18,53418333	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	HC	HC4 Rep 2	604511	19,14642367	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	HC	HC4 Rep 3	690670	19,30971438	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	HC	HC5 Rep 1	210145	17,73017161	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	HC	HC5 Rep 2	566955	18,78390584	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	HC	HC5 Rep 3	402761	18,27352642	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	HC	HC6 Rep 1	284301	18,17865408	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	HC	HC6 Rep 2	749992	19,00895439	n.a
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Heavy	HC	HC6 Rep 3	632583	18,81233503	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	CD	CD1 Rep 1	47323	15,66070433	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	CD	CD1 Rep 2	57493	15,76127267	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	CD	CD1 Rep 3	51420	15,56036524	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	CD	CD2 Rep 1	40308	15,96143255	n.a

DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	CD	CD2 Rep 2	54288	15,845502	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	CD	CD2 Rep 3	61057	15,85071415	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	CD	CD3 Rep 1	45670	15,65922882	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	CD	CD3 Rep 2	54113	15,65107703	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	CD	CD3 Rep 3	59039	15,66458222	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	CD	CD4 Rep 1	40803	15,49746817	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	CD	CD4 Rep 2	66057	15,74999656	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	CD	CD4 Rep 3	68721	15,7972151	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	CD	CD5 Rep 1	43300	15,7954452	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	CD	CD5 Rep 2	56674	15,8544055	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	CD	CD5 Rep 3	57074	15,75241555	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	CD	CD6 Rep 1	47970	15,75366063	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	CD	CD6 Rep 2	59520	15,56490495	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	CD	CD6 Rep 3	64444	15,57958842	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	HC	HC1 Rep 1	42521	15,62909456	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	HC	HC1 Rep 2	56033	15,81089625	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	HC	HC1 Rep 3	46102	15,47091094	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	HC	HC2 Rep 1	44503	15,78604175	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	HC	HC2 Rep 2	62004	15,7205263	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	HC	HC2 Rep 3	64756	15,69081776	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	HC	HC3 Rep 1	42897	15,46985336	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	HC	HC3 Rep 2	42151	15,23798758	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	HC	HC3 Rep 3	65145	15,72213733	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	HC	HC4 Rep 1	37968	15,66567487	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	HC	HC4 Rep 2	56767	15,73377948	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	HC	HC4 Rep 3	64534	15,88984917	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	HC	HC5 Rep 1	52738	15,73570125	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	HC	HC5 Rep 2	64436	15,64661045	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	HC	HC5 Rep 3	75944	15,86661032	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	HC	HC6 Rep 1	51270	15,70742171	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	HC	HC6 Rep 2	75065	15,68829147	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Heavy	HC	HC6 Rep 3	77974	15,7921453	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	CD	CD1 Rep 1	34818	15,21799613	n.a



DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	CD	CD1 Rep 2	45630	15,42786901	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	CD	CD1 Rep 3	51113	15,5517259	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	CD	CD2 Rep 1	24702	15,2549942	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	CD	CD2 Rep 2	52223	15,789554	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	CD	CD2 Rep 3	54247	15,6801008	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	CD	CD3 Rep 1	37128	15,36048963	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	CD	CD3 Rep 2	48334	15,4881402	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	CD	CD3 Rep 3	51140	15,45736609	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	CD	CD4 Rep 1	33652	15,21948519	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	CD	CD4 Rep 2	57914	15,56019726	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	CD	CD4 Rep 3	63172	15,67574932	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	CD	CD5 Rep 1	28738	15,20403784	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	CD	CD5 Rep 2	54507	15,79815999	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	CD	CD5 Rep 3	53841	15,66828708	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	CD	CD6 Rep 1	35237	15,30861929	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	CD	CD6 Rep 2	56751	15,49617624	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	CD	CD6 Rep 3	65029	15,59262562	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	HC	HC1 Rep 1	31868	15,21302751	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	HC	HC1 Rep 2	46974	15,55648196	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	HC	HC1 Rep 3	47110	15,50211493	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	HC	HC2 Rep 1	30758	15,25310086	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	HC	HC2 Rep 2	55675	15,56519467	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	HC	HC2 Rep 3	58710	15,54941015	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	HC	HC3 Rep 1	39255	15,34185303	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	HC	HC3 Rep 2	40112	15,16645462	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	HC	HC3 Rep 3	65046	15,71994322	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	HC	HC4 Rep 1	28042	15,22848011	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	HC	HC4 Rep 2	54826	15,6835872	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	HC	HC4 Rep 3	50429	15,53404334	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	HC	HC5 Rep 1	37965	15,2615284	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	HC	HC5 Rep 2	58609	15,50986574	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	HC	HC5 Rep 3	63429	15,60681693	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	HC	HC6 Rep 1	38771	15,30428476	n.a

DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	HC	HC6 Rep 2	65982	15,50222359	n.a
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Heavy	HC	HC6 Rep 3	69087	15,61756642	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	CD	CD1 Rep 1	87957	16,55496119	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	CD	CD1 Rep 2	130276	16,94138578	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	CD	CD1 Rep 3	138222	16,98695099	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	CD	CD2 Rep 1	67155	16,69786116	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	CD	CD2 Rep 2	105225	16,80027427	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	CD	CD2 Rep 3	131437	16,95685699	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	CD	CD3 Rep 1	80815	16,48260512	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	CD	CD3 Rep 2	133637	16,9553494	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	CD	CD3 Rep 3	155213	17,05909142	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	CD	CD4 Rep 1	83241	16,52608724	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	CD	CD4 Rep 2	144335	16,87763439	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	CD	CD4 Rep 3	156089	16,98076103	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	CD	CD5 Rep 1	73485	16,55852797	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	CD	CD5 Rep 2	115331	16,87942691	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	CD	CD5 Rep 3	125051	16,88402656	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	CD	CD6 Rep 1	83187	16,54788628	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	CD	CD6 Rep 2	143848	16,83800368	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	CD	CD6 Rep 3	150949	16,80753167	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	HC	HC1 Rep 1	78505	16,51370357	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	HC	HC1 Rep 2	119077	16,89844239	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	HC	HC1 Rep 3	131906	16,98751988	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	HC	HC2 Rep 1	82745	16,6808113	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	HC	HC2 Rep 2	139752	16,89296204	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	HC	HC2 Rep 3	138706	16,78976218	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	HC	HC3 Rep 1	91368	16,56066558	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	HC	HC3 Rep 2	159307	17,15615848	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	HC	HC3 Rep 3	154303	16,96617709	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	HC	HC4 Rep 1	70789	16,56441606	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	HC	HC4 Rep 2	135923	16,99344467	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	HC	HC4 Rep 3	134432	16,94859441	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	HC	HC5 Rep 1	92282	16,54290766	n.a

DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	HC	HC5 Rep 2	166497	17,01616779	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	HC	HC5 Rep 3	162581	16,96476109	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	HC	HC6 Rep 1	97488	16,63453146	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	HC	HC6 Rep 2	178919	16,94138578	n.a
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Heavy	HC	HC6 Rep 3	167186	16,89253429	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	CD	CD1 Rep 1	183572	17,61643691	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	CD	CD1 Rep 2	310357	18,19374314	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	CD	CD1 Rep 3	330281	18,24365771	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	CD	CD2 Rep 1	130605	17,65750457	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	CD	CD2 Rep 2	261154	18,11169756	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	CD	CD2 Rep 3	284295	18,06987426	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	CD	CD3 Rep 1	192504	17,73479855	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	CD	CD3 Rep 2	313329	18,18470821	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	CD	CD3 Rep 3	325013	18,12533945	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	CD	CD4 Rep 1	157482	17,44590798	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	CD	CD4 Rep 2	332606	18,0820274	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	CD	CD4 Rep 3	340069	18,10421966	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	CD	CD5 Rep 1	144533	17,5344052	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	CD	CD5 Rep 2	284449	18,18181657	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	CD	CD5 Rep 3	298705	18,14023136	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	CD	CD6 Rep 1	170465	17,58293184	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	CD	CD6 Rep 2	364982	18,18128384	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	CD	CD6 Rep 3	392479	18,18608594	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	HC	HC1 Rep 1	173586	17,65849772	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	HC	HC1 Rep 2	291021	18,18767087	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	HC	HC1 Rep 3	298653	18,16647991	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	HC	HC2 Rep 1	159193	17,62484415	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	HC	HC2 Rep 2	334563	18,15237101	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	HC	HC2 Rep 3	290653	17,85702979	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	HC	HC3 Rep 1	199331	17,68607079	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	HC	HC3 Rep 2	347000	18,27928448	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	HC	HC3 Rep 3	356199	18,17309444	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Heavy	HC	HC4 Rep 1	148236	17,63071481	n.a

TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y7	Heavy	HC	HC4 Rep 2	232837	17,76997541	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y7	Heavy	HC	HC4 Rep 3	243222	17,80399155	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y7	Heavy	HC	HC5 Rep 1	187751	17,56760708	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y7	Heavy	HC	HC5 Rep 2	360847	18,13205887	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y7	Heavy	HC	HC5 Rep 3	340591	18,03164274	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y7	Heavy	HC	HC6 Rep 1	195679	17,63972384	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y7	Heavy	HC	HC6 Rep 2	360339	17,95143398	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y7	Heavy	HC	HC6 Rep 3	432917	18,2651707	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	CD	CD1 Rep 1	144580	17,27195888	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	CD	CD1 Rep 2	235914	17,79807549	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	CD	CD1 Rep 3	269702	17,95132995	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	CD	CD2 Rep 1	102396	17,3064538	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	CD	CD2 Rep 2	219959	17,86403139	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	CD	CD2 Rep 3	242501	17,84047623	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	CD	CD3 Rep 1	138358	17,25831619	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	CD	CD3 Rep 2	251351	17,86673333	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	CD	CD3 Rep 3	265340	17,83268421	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	CD	CD4 Rep 1	129505	17,16372884	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	CD	CD4 Rep 2	271862	17,79108772	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	CD	CD4 Rep 3	292198	17,88533847	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	CD	CD5 Rep 1	106838	17,09843115	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	CD	CD5 Rep 2	236128	17,91321569	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	CD	CD5 Rep 3	242500	17,83949472	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	CD	CD6 Rep 1	134351	17,23946334	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	CD	CD6 Rep 2	292992	17,86431979	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	CD	CD6 Rep 3	330438	17,93785008	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	HC	HC1 Rep 1	124069	17,17398981	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	HC	HC1 Rep 2	234626	17,8769105	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	HC	HC1 Rep 3	234815	17,81953426	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	HC	HC2 Rep 1	125881	17,2861278	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	HC	HC2 Rep 2	269341	17,83952697	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	HC	HC2 Rep 3	255684	17,67209387	n.a
TonB Bacteroides	1861838	ASFTGAAAIIIGEDVIAK	y8	Heavy	HC	HC3 Rep 1	149461	17,27067378	n.a

TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Heavy	HC	HC3 Rep 2	317478	18,15100544	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Heavy	HC	HC3 Rep 3	287574	17,86434422	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Heavy	HC	HC4 Rep 1	107336	17,16495299	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Heavy	HC	HC4 Rep 2	237393	17,79793247	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Heavy	HC	HC4 Rep 3	232844	17,74108152	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Heavy	HC	HC5 Rep 1	151028	17,25360253	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Heavy	HC	HC5 Rep 2	284173	17,7874411	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Heavy	HC	HC5 Rep 3	285834	17,77877996	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Heavy	HC	HC6 Rep 1	146796	17,22504757	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Heavy	HC	HC6 Rep 2	308100	17,72547786	n.a
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Heavy	HC	HC6 Rep 3	338640	17,91083264	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	CD	CD1 Rep 1	356942	18,57578055	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	CD	CD1 Rep 2	164173	17,27503133	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	CD	CD1 Rep 3	182630	17,3888875	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	CD	CD2 Rep 1	251840	18,60480189	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	CD	CD2 Rep 2	160568	17,40998116	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	CD	CD2 Rep 3	199996	17,56245668	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	CD	CD3 Rep 1	323083	18,48181496	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	CD	CD3 Rep 2	189518	17,45936478	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	CD	CD3 Rep 3	173654	17,22105767	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	CD	CD4 Rep 1	310394	18,42482171	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	CD	CD4 Rep 2	191608	17,28637101	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	CD	CD4 Rep 3	196141	17,3102833	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	CD	CD5 Rep 1	288156	18,52985633	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	CD	CD5 Rep 2	189214	17,5936654	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	CD	CD5 Rep 3	202463	17,57916825	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	CD	CD6 Rep 1	357245	18,6503701	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	CD	CD6 Rep 2	203192	17,33630212	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	CD	CD6 Rep 3	213854	17,31009667	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	HC	HC1 Rep 1	295171	18,42439811	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	HC	HC1 Rep 2	158564	17,31161287	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	HC	HC1 Rep 3	172021	17,37059439	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	HC	HC2 Rep 1	353511	18,77582236	n.a

TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	HC	HC2 Rep 2	211238	17,4889625	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	HC	HC2 Rep 3	204403	17,34914836	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	HC	HC3 Rep 1	326366	18,39739547	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	HC	HC3 Rep 2	182380	17,35129634	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	HC	HC3 Rep 3	203630	17,3663611	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	HC	HC4 Rep 1	259912	18,4408422	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	HC	HC4 Rep 2	164300	17,26698755	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	HC	HC4 Rep 3	192595	17,46728807	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	HC	HC5 Rep 1	354577	18,48488544	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	HC	HC5 Rep 2	214347	17,38061983	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	HC	HC5 Rep 3	215368	17,37040633	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	HC	HC6 Rep 1	378096	18,5899875	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	HC	HC6 Rep 2	233965	17,3283719	n.a
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Heavy	HC	HC6 Rep 3	242094	17,42664757	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	CD	CD1 Rep 1	91167	16,60667449	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	CD	CD1 Rep 2	74565	16,13638496	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	CD	CD1 Rep 3	55129	15,66084706	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	CD	CD2 Rep 1	61774	16,5773661	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	CD	CD2 Rep 2	64832	16,10157474	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	CD	CD2 Rep 3	66842	15,98131234	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	CD	CD3 Rep 1	89731	16,63358852	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	CD	CD3 Rep 2	73494	16,09272828	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	CD	CD3 Rep 3	75298	16,01552548	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	CD	CD4 Rep 1	83266	16,52652047	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	CD	CD4 Rep 2	85346	16,11960865	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	CD	CD4 Rep 3	76443	15,95084847	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	CD	CD5 Rep 1	80150	16,6837807	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	CD	CD5 Rep 2	67509	16,10679832	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	CD	CD5 Rep 3	75321	16,15263403	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	CD	CD6 Rep 1	85048	16,5798055	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	CD	CD6 Rep 2	93832	16,22161044	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	CD	CD6 Rep 3	104753	16,28046204	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	HC	HC1 Rep 1	79380	16,52969459	n.a

TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	HC	HC1 Rep 2	70654	16,14539075	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	HC	HC1 Rep 3	66963	16,00944576	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	HC	HC2 Rep 1	83286	16,69021317	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	HC	HC2 Rep 2	82047	16,1246156	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	HC	HC2 Rep 3	76616	15,9334496	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	HC	HC3 Rep 1	92944	16,58533834	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	HC	HC3 Rep 2	57409	15,68369765	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	HC	HC3 Rep 3	89396	16,17869316	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	HC	HC4 Rep 1	61591	16,36361041	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	HC	HC4 Rep 2	68321	16,00105607	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	HC	HC4 Rep 3	71984	16,04746599	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	HC	HC5 Rep 1	94861	16,58267347	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	HC	HC5 Rep 2	89474	16,12021203	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	HC	HC5 Rep 3	88851	16,09306234	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	HC	HC6 Rep 1	89410	16,50974301	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	HC	HC6 Rep 2	95943	16,04232863	n.a
TonB Bacteroides	1861838	YPQYIYGDPNK	y6	Heavy	HC	HC6 Rep 3	91933	16,02973497	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	CD	CD1 Rep 1	129741	17,11572535	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	CD	CD1 Rep 2	138019	17,02468133	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	CD	CD1 Rep 3	110071	16,65839814	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	CD	CD2 Rep 1	79239	16,93657702	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	CD	CD2 Rep 2	114002	16,91585589	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	CD	CD2 Rep 3	128018	16,91883221	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	CD	CD3 Rep 1	106887	16,88599652	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	CD	CD3 Rep 2	114495	16,7323145	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	CD	CD3 Rep 3	133460	16,84124944	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	CD	CD4 Rep 1	112424	16,95967109	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	CD	CD4 Rep 2	161135	17,0364831	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	CD	CD4 Rep 3	151855	16,94108658	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	CD	CD5 Rep 1	95589	16,93792279	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	CD	CD5 Rep 2	122608	16,96769968	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	CD	CD5 Rep 3	119526	16,81883445	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	CD	CD6 Rep 1	111923	16,97596282	n.a

surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	CD	CD6 Rep 2	131685	16,71054954	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	CD	CD6 Rep 3	157701	16,87066228	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	HC	HC1 Rep 1	106836	16,95824499	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	HC	HC1 Rep 2	124492	16,96260064	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	HC	HC1 Rep 3	123734	16,89525168	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	HC	HC2 Rep 1	97324	16,91493478	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	HC	HC2 Rep 2	114029	16,59949389	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	HC	HC2 Rep 3	126923	16,66168551	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	HC	HC3 Rep 1	116720	16,91395649	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	HC	HC3 Rep 2	139140	16,96088604	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	HC	HC3 Rep 3	143026	16,85668841	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	HC	HC4 Rep 1	88389	16,8847577	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	HC	HC4 Rep 2	125936	16,88334582	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	HC	HC4 Rep 3	119846	16,78289957	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	HC	HC5 Rep 1	112022	16,82256857	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	HC	HC5 Rep 2	150108	16,86667248	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	HC	HC5 Rep 3	155807	16,90336247	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	HC	HC6 Rep 1	119584	16,92925928	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	HC	HC6 Rep 2	154764	16,7321491	n.a
surface Bacteroidales	1939312	ADQATVTALEAR	y7	Heavy	HC	HC6 Rep 3	160801	16,83635662	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	CD	CD1 Rep 1	275386	18,2015461	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	CD	CD1 Rep 2	219154	17,69175946	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	CD	CD1 Rep 3	240292	17,78475235	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	CD	CD2 Rep 1	246391	18,5732244	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	CD	CD2 Rep 2	213419	17,82048538	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	CD	CD2 Rep 3	247034	17,86719515	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	CD	CD3 Rep 1	293839	18,34493601	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	CD	CD3 Rep 2	256072	17,89357941	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	CD	CD3 Rep 3	257236	17,78793459	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	CD	CD4 Rep 1	312657	18,43530186	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	CD	CD4 Rep 2	265089	17,75469002	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	CD	CD4 Rep 3	271474	17,7792062	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	CD	CD5 Rep 1	223196	18,16131744	n.a



surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	CD	CD5 Rep 2	231682	17,88579253	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	CD	CD5 Rep 3	249423	17,88010448	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	CD	CD6 Rep 1	316290	18,47470423	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	CD	CD6 Rep 2	298476	17,89107345	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	CD	CD6 Rep 3	277095	17,68385115	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	HC	HC1 Rep 1	278808	18,34211908	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	HC	HC1 Rep 2	213898	17,7434706	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	HC	HC1 Rep 3	217165	17,7068013	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	HC	HC2 Rep 1	328059	18,66802256	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	HC	HC2 Rep 2	266096	17,82203993	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	HC	HC2 Rep 3	235882	17,55579732	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	HC	HC3 Rep 1	316839	18,35465463	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	HC	HC3 Rep 2	202971	17,50562243	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	HC	HC3 Rep 3	259461	17,71592868	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	HC	HC4 Rep 1	253843	18,40675543	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	HC	HC4 Rep 2	233225	17,77237752	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	HC	HC4 Rep 3	243745	17,80709044	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	HC	HC5 Rep 1	312001	18,30033714	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	HC	HC5 Rep 2	271232	17,72019901	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	HC	HC5 Rep 3	291790	17,80853286	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	HC	HC6 Rep 1	357459	18,50901268	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	HC	HC6 Rep 2	319207	17,77657147	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y6	Heavy	HC	HC6 Rep 3	321940	17,83787208	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	CD	CD1 Rep 1	73418	16,29429661	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	CD	CD1 Rep 2	79936	16,23673174	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	CD	CD1 Rep 3	92797	16,4121138	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	CD	CD2 Rep 1	68577	16,72809114	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	CD	CD2 Rep 2	82128	16,44274283	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	CD	CD2 Rep 3	81471	16,26684406	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	CD	CD3 Rep 1	79880	16,46581636	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	CD	CD3 Rep 2	92742	16,42832465	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	CD	CD3 Rep 3	96431	16,37241094	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	CD	CD4 Rep 1	78667	16,44455151	n.a

surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	CD	CD4 Rep 2	91953	16,22718176	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	CD	CD4 Rep 3	96692	16,2898606	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	CD	CD5 Rep 1	63243	16,34198398	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	CD	CD5 Rep 2	82018	16,38765903	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	CD	CD5 Rep 3	81100	16,25928379	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	CD	CD6 Rep 1	91079	16,67864664	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	CD	CD6 Rep 2	107944	16,42374157	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	CD	CD6 Rep 3	105889	16,2960232	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	HC	HC1 Rep 1	74873	16,44536459	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	HC	HC1 Rep 2	77962	16,28739061	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	HC	HC1 Rep 3	81358	16,29036581	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	HC	HC2 Rep 1	82588	16,67807133	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	HC	HC2 Rep 2	73086	15,95776009	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	HC	HC2 Rep 3	69591	15,79470463	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	HC	HC3 Rep 1	74335	16,26301825	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	HC	HC3 Rep 2	73905	16,04809269	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	HC	HC3 Rep 3	94273	16,25532752	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	HC	HC4 Rep 1	67131	16,48787	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	HC	HC4 Rep 2	79176	16,21379016	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	HC	HC4 Rep 3	92056	16,40230148	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	HC	HC5 Rep 1	89728	16,50241664	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	HC	HC5 Rep 2	91545	16,15322461	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	HC	HC5 Rep 3	94413	16,18065985	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	HC	HC6 Rep 1	97191	16,63012954	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	HC	HC6 Rep 2	119712	16,36164695	n.a
surface Bacteroidales	1939312	DNTTTDIYSENSR	y9	Heavy	HC	HC6 Rep 3	129426	16,52320771	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	CD	CD1 Rep 1	68924	16,20316922	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	CD	CD1 Rep 2	110173	16,69958516	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	CD	CD1 Rep 3	120972	16,79463689	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	CD	CD2 Rep 1	46576	16,16995309	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	CD	CD2 Rep 2	108012	16,83798836	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	CD	CD2 Rep 3	121510	16,84356059	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	CD	CD3 Rep 1	56877	15,9758274	n.a

surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	CD	CD3 Rep 2	125269	16,86205934	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	CD	CD3 Rep 3	120275	16,69117883	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	CD	CD4 Rep 1	67497	16,22361633	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	CD	CD4 Rep 2	143734	16,87161458	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	CD	CD4 Rep 3	147171	16,89588558	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	CD	CD5 Rep 1	50900	16,02874383	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	CD	CD5 Rep 2	117287	16,90368968	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	CD	CD5 Rep 3	121559	16,84316668	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	CD	CD6 Rep 1	62599	16,1376678	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	CD	CD6 Rep 2	149605	16,89461691	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	CD	CD6 Rep 3	152790	16,8250206	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	HC	HC1 Rep 1	65510	16,25263418	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	HC	HC1 Rep 2	91917	16,52495123	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	HC	HC1 Rep 3	110769	16,73556387	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	HC	HC2 Rep 1	59327	16,20082799	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	HC	HC2 Rep 2	138731	16,88238331	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	HC	HC2 Rep 3	121205	16,5951812	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	HC	HC3 Rep 1	67349	16,12063313	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	HC	HC3 Rep 2	79890	16,16043565	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	HC	HC3 Rep 3	123326	16,64288796	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	HC	HC4 Rep 1	56293	16,2338464	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	HC	HC4 Rep 2	114918	16,75125986	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	HC	HC4 Rep 3	125696	16,85165656	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	HC	HC5 Rep 1	70810	16,16081151	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	HC	HC5 Rep 2	124457	16,59631899	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	HC	HC5 Rep 3	156670	16,91133137	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	HC	HC6 Rep 1	66353	16,07946851	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	HC	HC6 Rep 2	162714	16,80441757	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Heavy	HC	HC6 Rep 3	169068	16,90868387	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	CD	CD1 Rep 1	134952	17,17253724	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	CD	CD1 Rep 2	216149	17,67184061	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	CD	CD1 Rep 3	197252	17,50000366	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	CD	CD2 Rep 1	86699	17,0663817	n.a

surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	CD	CD2 Rep 2	204718	17,76043472	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	CD	CD2 Rep 3	227533	17,74856134	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	CD	CD3 Rep 1	120510	17,05906299	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	CD	CD3 Rep 2	185774	17,43057851	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	CD	CD3 Rep 3	236001	17,663635	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	CD	CD4 Rep 1	132553	17,19729036	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	CD	CD4 Rep 2	275841	17,81205012	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	CD	CD4 Rep 3	245369	17,63334515	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	CD	CD5 Rep 1	96050	16,94486379	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	CD	CD5 Rep 2	203015	17,69523289	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	CD	CD5 Rep 3	225587	17,7351939	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	CD	CD6 Rep 1	124759	17,13260018	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	CD	CD6 Rep 2	273544	17,76523143	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	CD	CD6 Rep 3	294682	17,77262941	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	HC	HC1 Rep 1	119027	17,114136	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	HC	HC1 Rep 2	198257	17,63391941	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	HC	HC1 Rep 3	209775	17,65685245	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	HC	HC2 Rep 1	115827	17,16603885	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	HC	HC2 Rep 2	261996	17,7996379	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	HC	HC2 Rep 3	270317	17,75238423	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	HC	HC3 Rep 1	133198	17,10447712	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	HC	HC3 Rep 2	174921	17,29105232	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	HC	HC3 Rep 3	249898	17,66175033	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	HC	HC4 Rep 1	100618	17,07170738	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	HC	HC4 Rep 2	221145	17,6956477	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	HC	HC4 Rep 3	246053	17,82068692	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	HC	HC5 Rep 1	143334	17,17816735	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	HC	HC5 Rep 2	241006	17,54974067	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	HC	HC5 Rep 3	283154	17,76518933	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	HC	HC6 Rep 1	147388	17,23085398	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	HC	HC6 Rep 2	311293	17,74035231	n.a
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Heavy	HC	HC6 Rep 3	321287	17,83494285	n.a
surface Bacteroidales	1939312	VEALESLDIATAR	y10	Heavy	CD	CD1 Rep 1	157084	17,39162713	n.a

surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	CD	CD1 Rep 2	318945	18,23312211	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	CD	CD1 Rep 3	354961	18,34762425	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	CD	CD2 Rep 1	113578	17,45597785	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	CD	CD2 Rep 2	256064	18,0833012	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	CD	CD2 Rep 3	279361	18,04461616	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	CD	CD3 Rep 1	155166	17,42372259	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	CD	CD3 Rep 2	340319	18,3039176	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	CD	CD3 Rep 3	332919	18,16001324	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	CD	CD4 Rep 1	159448	17,46380704	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	CD	CD4 Rep 2	338278	18,10642256	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	CD	CD4 Rep 3	381901	18,27159086	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	CD	CD5 Rep 1	124846	17,32315587	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	CD	CD5 Rep 2	301905	18,26774122	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	CD	CD5 Rep 3	284156	18,06819315	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	CD	CD6 Rep 1	154859	17,44441152	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	CD	CD6 Rep 2	361531	18,16757788	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	CD	CD6 Rep 3	370918	18,10457075	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	HC	HC1 Rep 1	143207	17,38094914	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	HC	HC1 Rep 2	295405	18,20924185	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	HC	HC1 Rep 3	314700	18,24198687	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	HC	HC2 Rep 1	153893	17,57599487	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	HC	HC2 Rep 2	341311	18,18118002	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	HC	HC2 Rep 3	293147	17,86935628	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	HC	HC3 Rep 1	173256	17,48381001	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	HC	HC3 Rep 2	271422	17,92488648	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	HC	HC3 Rep 3	383133	18,27825627	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	HC	HC4 Rep 1	132079	17,46422006	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	HC	HC4 Rep 2	260734	17,9332338	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	HC	HC4 Rep 3	308122	18,14521951	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	HC	HC5 Rep 1	178347	17,49347343	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	HC	HC5 Rep 2	383003	18,2180273	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	HC	HC5 Rep 3	362791	18,12274109	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	HC	HC6 Rep 1	169486	17,43240102	n.a

surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	HC	HC6 Rep 2	437027	18,22980159	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y10	Heavy	HC	HC6 Rep 3	413113	18,19761671	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	CD	CD1 Rep 1	228342	17,93128713	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	CD	CD1 Rep 2	341570	18,33199572	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	CD	CD1 Rep 3	373568	18,42133461	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	CD	CD2 Rep 1	158471	17,93651329	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	CD	CD2 Rep 2	280863	18,21666334	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	CD	CD2 Rep 3	307987	18,18535499	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	CD	CD3 Rep 1	216816	17,90638135	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	CD	CD3 Rep 2	372151	18,43291802	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	CD	CD3 Rep 3	360450	18,27464118	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	CD	CD4 Rep 1	223990	17,95415537	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	CD	CD4 Rep 2	343703	18,12937565	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	CD	CD4 Rep 3	360238	18,18734254	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	CD	CD5 Rep 1	181912	17,86624699	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	CD	CD5 Rep 2	337758	18,42963651	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	CD	CD5 Rep 3	350395	18,37049216	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	CD	CD6 Rep 1	217869	17,93691722	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	CD	CD6 Rep 2	380295	18,24057749	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	CD	CD6 Rep 3	437678	18,34334034	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	HC	HC1 Rep 1	195326	17,82873113	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	HC	HC1 Rep 2	322330	18,33508608	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	HC	HC1 Rep 3	324705	18,28713929	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	HC	HC2 Rep 1	209807	18,02313007	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	HC	HC2 Rep 2	387980	18,36607539	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	HC	HC2 Rep 3	400685	18,32020049	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	HC	HC3 Rep 1	248210	18,00246594	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	HC	HC3 Rep 2	293618	18,03828923	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	HC	HC3 Rep 3	406058	18,36209679	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	HC	HC4 Rep 1	180102	17,91163316	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	HC	HC4 Rep 2	351391	18,36373231	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	HC	HC4 Rep 3	316134	18,18225402	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	HC	HC5 Rep 1	239435	17,91842054	n.a

surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	HC	HC5 Rep 2	386467	18,23101684	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	HC	HC5 Rep 3	396515	18,25097787	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	HC	HC6 Rep 1	221396	17,81786407	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	HC	HC6 Rep 2	469919	18,33449128	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y7	Heavy	HC	HC6 Rep 3	469192	18,38125866	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	CD	CD1 Rep 1	242431	18,01766508	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	CD	CD1 Rep 2	420285	18,63118242	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	CD	CD1 Rep 3	463843	18,7336003	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	CD	CD2 Rep 1	165183	17,99635966	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	CD	CD2 Rep 2	336982	18,47946829	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	CD	CD2 Rep 3	369991	18,44997571	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	CD	CD3 Rep 1	230434	17,99426372	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	CD	CD3 Rep 2	452082	18,71361438	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	CD	CD3 Rep 3	457066	18,61724453	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	CD	CD4 Rep 1	222159	17,94231363	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	CD	CD4 Rep 2	456090	18,53753175	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	CD	CD4 Rep 3	498847	18,65698956	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	CD	CD5 Rep 1	189912	17,92833734	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	CD	CD5 Rep 2	400193	18,6743425	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	CD	CD5 Rep 3	388649	18,51997777	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	CD	CD6 Rep 1	230746	18,01976192	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	CD	CD6 Rep 2	460956	18,51808757	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	CD	CD6 Rep 3	492723	18,51424729	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	HC	HC1 Rep 1	206524	17,90915657	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	HC	HC1 Rep 2	395364	18,62972912	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	HC	HC1 Rep 3	409246	18,62097801	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	HC	HC2 Rep 1	225918	18,12986648	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	HC	HC2 Rep 2	393211	18,38539679	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	HC	HC2 Rep 3	471563	18,55518251	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	HC	HC3 Rep 1	252851	18,02919218	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	HC	HC3 Rep 2	360378	18,33385976	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	HC	HC3 Rep 3	494997	18,64783076	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	HC	HC4 Rep 1	194038	18,01915817	n.a

surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	HC	HC4 Rep 2	407762	18,57838241	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	HC	HC4 Rep 3	414097	18,57168657	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	HC	HC5 Rep 1	253514	18,0008519	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	HC	HC5 Rep 2	482763	18,55198672	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	HC	HC5 Rep 3	454271	18,44715563	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	HC	HC6 Rep 1	248428	17,9840627	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	HC	HC6 Rep 2	564957	18,60022024	n.a
surface Bacteroidales	1939312	VEALESLDIATIA	y9	Heavy	HC	HC6 Rep 3	549760	18,60988219	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	CD	CD1 Rep 1	72571	16,27755594	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	CD	CD1 Rep 2	110133	16,69906127	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	CD	CD1 Rep 3	102447	16,55484147	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	CD	CD2 Rep 1	49869	16,26850962	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	CD	CD2 Rep 2	86668	16,52036808	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	CD	CD2 Rep 3	91931	16,44110887	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	CD	CD3 Rep 1	73286	16,34151965	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	CD	CD3 Rep 2	104906	16,6061271	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	CD	CD3 Rep 3	106021	16,50919208	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	CD	CD4 Rep 1	72858	16,33388034	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	CD	CD4 Rep 2	100871	16,36072467	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	CD	CD4 Rep 3	120105	16,60268838	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	CD	CD5 Rep 1	48483	15,95855715	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	CD	CD5 Rep 2	96386	16,62054208	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	CD	CD5 Rep 3	94791	16,48433196	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	CD	CD6 Rep 1	71945	16,33842262	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	CD	CD6 Rep 2	116375	16,53223969	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	CD	CD6 Rep 3	92489	16,10082417	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	HC	HC1 Rep 1	68616	16,31946406	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	HC	HC1 Rep 2	97221	16,60588749	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	HC	HC1 Rep 3	98334	16,56377193	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	HC	HC2 Rep 1	66099	16,35676761	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	HC	HC2 Rep 2	94289	16,32525449	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	HC	HC2 Rep 3	100173	16,32022569	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	HC	HC3 Rep 1	74559	16,26735911	n.a



surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	HC	HC3 Rep 2	118046	16,72369797	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	HC	HC3 Rep 3	118022	16,57946679	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	HC	HC4 Rep 1	54996	16,20021755	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	HC	HC4 Rep 2	90845	16,41213409	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	HC	HC4 Rep 3	86677	16,31543894	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	HC	HC5 Rep 1	74857	16,24099562	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	HC	HC5 Rep 2	115887	16,49339035	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	HC	HC5 Rep 3	123538	16,5685573	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	HC	HC6 Rep 1	78009	16,31294739	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	HC	HC6 Rep 2	119826	16,36302016	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Heavy	HC	HC6 Rep 3	113794	16,33750474	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	CD	CD1 Rep 1	270120	18,17369135	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	CD	CD1 Rep 2	403570	18,57263338	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	CD	CD1 Rep 3	383789	18,46027709	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	CD	CD2 Rep 1	192794	18,21935459	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	CD	CD2 Rep 2	278535	18,20465538	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	CD	CD2 Rep 3	321725	18,24831358	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	CD	CD3 Rep 1	258596	18,16061008	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	CD	CD3 Rep 2	372387	18,43383261	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	CD	CD3 Rep 3	396665	18,41276313	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	CD	CD4 Rep 1	248678	18,10499992	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	CD	CD4 Rep 2	361947	18,20399167	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	CD	CD4 Rep 3	404122	18,35318306	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	CD	CD5 Rep 1	197765	17,9867934	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	CD	CD5 Rep 2	340128	18,43972434	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	CD	CD5 Rep 3	355090	18,3896947	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	CD	CD6 Rep 1	230456	18,01794761	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	CD	CD6 Rep 2	421968	18,39059212	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	CD	CD6 Rep 3	311985	17,85494714	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	HC	HC1 Rep 1	247331	18,1692902	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	HC	HC1 Rep 2	349131	18,45031607	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	HC	HC1 Rep 3	334832	18,33144711	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	HC	HC2 Rep 1	249435	18,27273117	n.a

surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	HC	HC2 Rep 2	375421	18,31860246	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	HC	HC2 Rep 3	370772	18,20826428	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	HC	HC3 Rep 1	264435	18,09381784	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	HC	HC3 Rep 2	419072	18,55154695	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	HC	HC3 Rep 3	432896	18,45443145	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	HC	HC4 Rep 1	214688	18,16506051	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	HC	HC4 Rep 2	317909	18,21926893	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	HC	HC4 Rep 3	284726	18,03129206	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	HC	HC5 Rep 1	268658	18,08455728	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	HC	HC5 Rep 2	413422	18,32828677	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	HC	HC5 Rep 3	448901	18,42999973	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	HC	HC6 Rep 1	279367	18,15339652	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	HC	HC6 Rep 2	458580	18,29925261	n.a
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Heavy	HC	HC6 Rep 3	400658	18,15345153	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	CD	CD1 Rep 1	201254	17,74910834	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	CD	CD1 Rep 2	260869	17,94313996	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	CD	CD1 Rep 3	244503	17,80981589	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	CD	CD2 Rep 1	142279	17,78101718	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	CD	CD2 Rep 2	208570	17,78732842	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	CD	CD2 Rep 3	219080	17,69394332	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	CD	CD3 Rep 1	200690	17,79487885	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	CD	CD3 Rep 2	250742	17,86323357	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	CD	CD3 Rep 3	240859	17,69303086	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	CD	CD4 Rep 1	193431	17,74254007	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	CD	CD4 Rep 2	283184	17,84995296	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	CD	CD4 Rep 3	285532	17,8520446	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	CD	CD5 Rep 1	176255	17,82067046	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	CD	CD5 Rep 2	247427	17,98064951	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	CD	CD5 Rep 3	231594	17,77310785	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	CD	CD6 Rep 1	174674	17,61812117	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	CD	CD6 Rep 2	255494	17,66674793	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	CD	CD6 Rep 3	288832	17,74370106	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	HC	HC1 Rep 1	195068	17,82682426	n.a

surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	HC	HC1 Rep 2	236421	17,8879058	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	HC	HC1 Rep 3	235628	17,82452068	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	HC	HC2 Rep 1	162276	17,6525169	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	HC	HC2 Rep 2	205453	17,44890151	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	HC	HC2 Rep 3	234168	17,54527593	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	HC	HC3 Rep 1	203306	17,71455749	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	HC	HC3 Rep 2	273966	17,93834568	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	HC	HC3 Rep 3	286624	17,85957039	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	HC	HC4 Rep 1	165055	17,7857658	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	HC	HC4 Rep 2	224894	17,71990025	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	HC	HC4 Rep 3	238738	17,77714603	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	HC	HC5 Rep 1	215709	17,76787286	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	HC	HC5 Rep 2	295712	17,8448644	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	HC	HC5 Rep 3	315988	17,92347219	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	HC	HC6 Rep 1	200788	17,67690796	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	HC	HC6 Rep 2	326655	17,8098469	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Heavy	HC	HC6 Rep 3	314541	17,80432833	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	CD	CD1 Rep 1	126568	17,08000358	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	CD	CD1 Rep 2	167496	17,30394109	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	CD	CD1 Rep 3	162791	17,22298467	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	CD	CD2 Rep 1	79769	16,94619454	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	CD	CD2 Rep 2	126858	17,07001126	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	CD	CD2 Rep 3	143755	17,08609767	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	CD	CD3 Rep 1	122315	17,08051146	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	CD	CD3 Rep 2	156003	17,17860368	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	CD	CD3 Rep 3	153317	17,0413597	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	CD	CD4 Rep 1	123375	17,09377112	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	CD	CD4 Rep 2	176070	17,16436232	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	CD	CD4 Rep 3	183373	17,21317339	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	CD	CD5 Rep 1	101251	17,02094243	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	CD	CD5 Rep 2	157646	17,33033513	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	CD	CD5 Rep 3	151241	17,15835926	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	CD	CD6 Rep 1	118262	17,05544287	n.a

surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	CD	CD6 Rep 2	177068	17,13776203	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	CD	CD6 Rep 3	186953	17,1161461	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	HC	HC1 Rep 1	112620	17,03431018	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	HC	HC1 Rep 2	143228	17,16486116	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	HC	HC1 Rep 3	151156	17,18404794	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	HC	HC2 Rep 1	103406	17,00238715	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	HC	HC2 Rep 2	139539	16,89076151	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	HC	HC2 Rep 3	153796	16,93874997	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	HC	HC3 Rep 1	134531	17,11884335	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	HC	HC3 Rep 2	179796	17,33070974	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	HC	HC3 Rep 3	173761	17,13751529	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	HC	HC4 Rep 1	101434	17,08336027	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	HC	HC4 Rep 2	128142	16,90839849	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	HC	HC4 Rep 3	152751	17,13289964	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	HC	HC5 Rep 1	126781	17,00112504	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	HC	HC5 Rep 2	195137	17,24515896	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	HC	HC5 Rep 3	190946	17,19676712	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	HC	HC6 Rep 1	130419	17,05438897	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	HC	HC6 Rep 2	201186	17,11060909	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Heavy	HC	HC6 Rep 3	199389	17,14666607	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	CD	CD1 Rep 1	122721	17,03547303	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	CD	CD1 Rep 2	167966	17,30798368	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	CD	CD1 Rep 3	168429	17,27210429	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	CD	CD2 Rep 1	81022	16,96868004	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	CD	CD2 Rep 2	122350	17,01781086	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	CD	CD2 Rep 3	148096	17,12901821	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	CD	CD3 Rep 1	111095	16,94170401	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	CD	CD3 Rep 2	165700	17,26560351	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	CD	CD3 Rep 3	168746	17,17969533	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	CD	CD4 Rep 1	107202	16,89105286	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	CD	CD4 Rep 2	183936	17,22741708	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	CD	CD4 Rep 3	182556	17,20673125	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	CD	CD5 Rep 1	92961	16,89770377	n.a

surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	CD	CD5 Rep 2	162335	17,37262065	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	CD	CD5 Rep 3	136127	17,00646322	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	CD	CD6 Rep 1	110276	16,95457513	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	CD	CD6 Rep 2	187901	17,22343126	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	CD	CD6 Rep 3	188624	17,12898373	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	HC	HC1 Rep 1	97993	16,83359773	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	HC	HC1 Rep 2	154827	17,27720469	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	HC	HC1 Rep 3	160991	17,27498973	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	HC	HC2 Rep 1	100959	16,96783678	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	HC	HC2 Rep 2	158876	17,07799432	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	HC	HC2 Rep 3	155262	16,95243676	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	HC	HC3 Rep 1	118787	16,93928165	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	HC	HC3 Rep 2	193083	17,43356996	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	HC	HC3 Rep 3	194064	17,29694349	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	HC	HC4 Rep 1	93051	16,95891252	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	HC	HC4 Rep 2	138035	17,0156892	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	HC	HC4 Rep 3	158231	17,18375009	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	HC	HC5 Rep 1	121272	16,93703297	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	HC	HC5 Rep 2	193653	17,23414546	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	HC	HC5 Rep 3	178471	17,09929209	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	HC	HC6 Rep 1	120754	16,94330589	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	HC	HC6 Rep 2	210353	17,17489157	n.a
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Heavy	HC	HC6 Rep 3	208391	17,21037322	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	CD	CD1 Rep 1	341873	18,51355137	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	CD	CD1 Rep 2	535109	18,97964724	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	CD	CD1 Rep 3	548455	18,97533698	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	CD	CD2 Rep 1	178080	18,10481994	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	CD	CD2 Rep 2	368514	18,60851619	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	CD	CD2 Rep 3	393387	18,53843482	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	CD	CD3 Rep 1	302784	18,38819909	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	CD	CD3 Rep 2	528591	18,93918176	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	CD	CD3 Rep 3	532984	18,83893425	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	CD	CD4 Rep 1	300369	18,37745697	n.a

GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	CD	CD4 Rep 2	533114	18,76265728	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	CD	CD4 Rep 3	560091	18,82405341	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	CD	CD5 Rep 1	227478	18,1887333	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	CD	CD5 Rep 2	464952	18,89072835	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	CD	CD5 Rep 3	418633	18,62719601	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	CD	CD6 Rep 1	267733	18,23425126	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	CD	CD6 Rep 2	526851	18,71085353	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	CD	CD6 Rep 3	579432	18,74810984	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	HC	HC1 Rep 1	303426	18,46419184	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	HC	HC1 Rep 2	491319	18,94320764	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	HC	HC1 Rep 3	487049	18,87207662	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	HC	HC2 Rep 1	249955	18,27573564	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	HC	HC2 Rep 2	501309	18,73579324	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	HC	HC2 Rep 3	502789	18,64768507	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	HC	HC3 Rep 1	321759	18,3768852	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	HC	HC3 Rep 2	598882	19,06662059	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	HC	HC3 Rep 3	614479	18,95977468	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	HC	HC4 Rep 1	214781	18,16568533	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	HC	HC4 Rep 2	432520	18,66342192	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	HC	HC4 Rep 3	474342	18,76764543	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	HC	HC5 Rep 1	325018	18,3593061	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	HC	HC5 Rep 2	573717	18,80101088	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	HC	HC5 Rep 3	640857	18,9436049	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	HC	HC6 Rep 1	301502	18,26340248	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	HC	HC6 Rep 2	658255	18,82072575	n.a
GapA COG0057 Prevotella	2596432	GILGYTEDK	y7	Heavy	HC	HC6 Rep 3	543295	18,59281601	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	CD	CD1 Rep 1	19131	14,35407508	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	CD	CD1 Rep 2	35962	15,08435961	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	CD	CD1 Rep 3	28255	14,69654182	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	CD	CD2 Rep 1	20584	14,99188971	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	CD	CD2 Rep 2	31509	15,06063263	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	CD	CD2 Rep 3	31865	14,9125301	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	CD	CD3 Rep 1	26190	14,85699809	n.a

GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	CD	CD3 Rep 2	48069	15,4802086	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	CD	CD3 Rep 3	47513	15,35123624	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	CD	CD4 Rep 1	23483	14,70040967	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	CD	CD4 Rep 2	39518	15,00879505	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	CD	CD4 Rep 3	35914	14,86101041	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	CD	CD5 Rep 1	29242	15,22912017	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	CD	CD5 Rep 2	45993	15,55313277	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	CD	CD5 Rep 3	48364	15,51351544	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	CD	CD6 Rep 1	27518	14,95190381	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	CD	CD6 Rep 2	51563	15,35786663	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	CD	CD6 Rep 3	51203	15,24777072	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	HC	HC1 Rep 1	26614	14,95310439	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	HC	HC1 Rep 2	33064	15,04988078	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	HC	HC1 Rep 3	38645	15,21636336	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	HC	HC2 Rep 1	28572	15,14674119	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	HC	HC2 Rep 2	47189	15,32661561	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	HC	HC2 Rep 3	39508	14,97794871	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	HC	HC3 Rep 1	32885	15,08640627	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	HC	HC3 Rep 2	48097	15,42836763	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	HC	HC3 Rep 3	52354	15,40678265	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	HC	HC4 Rep 1	26403	15,14159273	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	HC	HC4 Rep 2	52421	15,61887185	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	HC	HC4 Rep 3	47164	15,4374758	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	HC	HC5 Rep 1	23977	14,59850955	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	HC	HC5 Rep 2	47692	15,2124908	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	HC	HC5 Rep 3	38969	14,90400124	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	HC	HC6 Rep 1	27955	14,83241316	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	HC	HC6 Rep 2	63039	15,43639573	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Heavy	HC	HC6 Rep 3	52459	15,22034246	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	CD	CD1 Rep 1	17518	14,22700087	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	CD	CD1 Rep 2	27738	14,70975012	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	CD	CD1 Rep 3	22378	14,36011674	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	CD	CD2 Rep 1	19170	14,88921668	n.a

GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	CD	CD2 Rep 2	26297	14,79976689	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	CD	CD2 Rep 3	33823	14,99856207	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	CD	CD3 Rep 1	23311	14,68899292	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	CD	CD3 Rep 2	36849	15,09672728	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	CD	CD3 Rep 3	33875	14,86313488	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	CD	CD4 Rep 1	23039	14,67287104	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	CD	CD4 Rep 2	36576	14,89718242	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	CD	CD4 Rep 3	29297	14,56721701	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	CD	CD5 Rep 1	24536	14,97597825	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	CD	CD5 Rep 2	39026	15,31615407	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	CD	CD5 Rep 3	39115	15,20730384	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	CD	CD6 Rep 1	22589	14,66714859	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	CD	CD6 Rep 2	38041	14,9190856	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	CD	CD6 Rep 3	40726	14,9174925	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	HC	HC1 Rep 1	22834	14,73210264	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	HC	HC1 Rep 2	23424	14,55260697	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	HC	HC1 Rep 3	24707	14,57100144	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	HC	HC2 Rep 1	23924	14,89059778	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	HC	HC2 Rep 2	35925	14,93315317	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	HC	HC2 Rep 3	38208	14,92967863	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	HC	HC3 Rep 1	30623	14,98359223	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	HC	HC3 Rep 2	36906	15,0462761	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	HC	HC3 Rep 3	40777	15,04623852	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	HC	HC4 Rep 1	22253	14,89489071	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	HC	HC4 Rep 2	38839	15,18623303	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	HC	HC4 Rep 3	32920	14,91875406	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	HC	HC5 Rep 1	22151	14,48423022	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	HC	HC5 Rep 2	38145	14,89023748	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	HC	HC5 Rep 3	31221	14,58419108	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	HC	HC6 Rep 1	25865	14,72030801	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	HC	HC6 Rep 2	44918	14,94744478	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Heavy	HC	HC6 Rep 3	41673	14,88826511	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	CD	CD1 Rep 1	6791	12,85985873	n.a



GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	CD	CD1 Rep 2	12325	13,539474	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	CD	CD1 Rep 3	11148	13,35482054	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	CD	CD2 Rep 1	7969	13,62283695	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	CD	CD2 Rep 2	12769	13,75751421	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	CD	CD2 Rep 3	14647	13,79116264	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	CD	CD3 Rep 1	9053	13,32444989	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	CD	CD3 Rep 2	17326	14,00804043	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	CD	CD3 Rep 3	15554	13,74019958	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	CD	CD4 Rep 1	9018	13,31967236	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	CD	CD4 Rep 2	15022	13,61336202	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	CD	CD4 Rep 3	12982	13,39297673	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	CD	CD5 Rep 1	10840	13,79744293	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	CD	CD5 Rep 2	16462	14,07085809	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	CD	CD5 Rep 3	14979	13,82252319	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	CD	CD6 Rep 1	11378	13,67777518	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	CD	CD6 Rep 2	14363	13,51388754	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	CD	CD6 Rep 3	19052	13,82148483	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	HC	HC1 Rep 1	10939	13,67039989	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	HC	HC1 Rep 2	14207	13,83122146	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	HC	HC1 Rep 3	11767	13,50082815	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	HC	HC2 Rep 1	9824	13,60652163	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	HC	HC2 Rep 2	15674	13,73653842	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	HC	HC2 Rep 3	14224	13,50413112	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	HC	HC3 Rep 1	12043	13,63717142	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	HC	HC3 Rep 2	16268	13,86445762	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	HC	HC3 Rep 3	19804	14,00427474	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	HC	HC4 Rep 1	10371	13,79344587	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	HC	HC4 Rep 2	17016	13,99561892	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	HC	HC4 Rep 3	18779	14,10890996	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	HC	HC5 Rep 1	10504	13,40779721	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	HC	HC5 Rep 2	16212	13,6558056	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	HC	HC5 Rep 3	14582	13,48586294	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	HC	HC6 Rep 1	10011	13,35089291	n.a

GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	HC	HC6 Rep 2	19965	13,77762416	n.a
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Heavy	HC	HC6 Rep 3	18753	13,73627356	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	CD	CD1 Rep 1	76642	16,356298	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	CD	CD1 Rep 2	54973	15,69660957	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	CD	CD1 Rep 3	54540	15,64535033	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	CD	CD2 Rep 1	59599	16,52565447	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	CD	CD2 Rep 2	56600	15,90567072	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	CD	CD2 Rep 3	76417	16,17445106	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	CD	CD3 Rep 1	74868	16,37233124	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	CD	CD3 Rep 2	60995	15,82379279	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	CD	CD3 Rep 3	61574	15,72523523	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	CD	CD4 Rep 1	68347	16,24167096	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	CD	CD4 Rep 2	64391	15,71314417	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	CD	CD4 Rep 3	63258	15,67771201	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	CD	CD5 Rep 1	71475	16,51851689	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	CD	CD5 Rep 2	68297	16,12354068	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	CD	CD5 Rep 3	76635	16,17758531	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	CD	CD6 Rep 1	63976	16,16905898	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	CD	CD6 Rep 2	69678	15,79223364	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	CD	CD6 Rep 3	78764	15,86907876	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	HC	HC1 Rep 1	70752	16,36368996	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	HC	HC1 Rep 2	54904	15,78153077	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	HC	HC1 Rep 3	52287	15,65253389	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	HC	HC2 Rep 1	75647	16,55142203	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	HC	HC2 Rep 2	68157	15,85702685	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	HC	HC2 Rep 3	74698	15,89687351	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	HC	HC3 Rep 1	84207	16,44291677	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	HC	HC3 Rep 2	61537	15,78387483	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	HC	HC3 Rep 3	69249	15,81027612	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	HC	HC4 Rep 1	69163	16,53089131	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	HC	HC4 Rep 2	69926	16,03455596	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	HC	HC4 Rep 3	54402	15,64344941	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	HC	HC5 Rep 1	79164	16,3217029	n.a

GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	HC	HC5 Rep 2	64014	15,63713097	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	HC	HC5 Rep 3	73595	15,82128208	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	HC	HC6 Rep 1	80507	16,35842104	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	HC	HC6 Rep 2	78230	15,74787305	n.a
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Heavy	HC	HC6 Rep 3	56872	15,33687069	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	CD	CD1 Rep 1	13820	13,88492041	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	CD	CD1 Rep 2	45264	15,41625044	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	CD	CD1 Rep 3	18657	14,09775266	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	CD	CD2 Rep 1	21633	15,06360009	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	CD	CD2 Rep 2	44916	15,57209812	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	CD	CD2 Rep 3	51689	15,61041473	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	CD	CD3 Rep 1	19663	14,44346548	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	CD	CD3 Rep 2	88391	16,35900129	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	CD	CD3 Rep 3	63825	15,77703557	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	CD	CD4 Rep 1	33457	15,21110103	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	CD	CD4 Rep 2	79459	16,01649575	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	CD	CD4 Rep 3	36501	14,88440006	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	CD	CD5 Rep 1	49621	15,99202899	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	CD	CD5 Rep 2	103852	16,72817557	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	CD	CD5 Rep 3	101724	16,58617007	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	CD	CD6 Rep 1	28453	15,00010896	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	CD	CD6 Rep 2	53467	15,41017916	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	CD	CD6 Rep 3	67926	15,65550628	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	HC	HC1 Rep 1	30364	15,14328089	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	HC	HC1 Rep 2	40679	15,34890373	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	HC	HC1 Rep 3	39434	15,24552166	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	HC	HC2 Rep 1	31118	15,2698885	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	HC	HC2 Rep 2	84991	16,17547509	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	HC	HC2 Rep 3	65660	15,71081864	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	HC	HC3 Rep 1	33713	15,12228162	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	HC	HC3 Rep 2	19254	14,10757891	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	HC	HC3 Rep 3	69111	15,80739824	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	HC	HC4 Rep 1	52001	16,11943023	n.a

GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	HC	HC4 Rep 2	101004	16,5650675	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	HC	HC4 Rep 3	84401	16,27704981	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	HC	HC5 Rep 1	10003	13,33729113	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	HC	HC5 Rep 2	53876	15,38838626	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	HC	HC5 Rep 3	15413	13,56582203	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	HC	HC6 Rep 1	29549	14,91241612	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	HC	HC6 Rep 2	74136	15,67032536	n.a
GP2 Homo sapiens	sp P55259	CLLGGLGLGEEVIAYLR	y9	Heavy	HC	HC6 Rep 3	68350	15,60209349	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	CD	CD1 Rep 1	333202	18,47648795	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	CD	CD1 Rep 2	347123	18,35526141	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	CD	CD1 Rep 3	338121	18,27750335	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	CD	CD2 Rep 1	229133	18,46847969	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	CD	CD2 Rep 2	293174	18,27855392	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	CD	CD2 Rep 3	287496	18,08602742	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	CD	CD3 Rep 1	313570	18,43869766	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	CD	CD3 Rep 2	367443	18,41455037	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	CD	CD3 Rep 3	367519	18,30266086	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	CD	CD4 Rep 1	310290	18,42433824	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	CD	CD4 Rep 2	390046	18,31185749	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	CD	CD4 Rep 3	368630	18,22056565	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	CD	CD5 Rep 1	291962	18,54878688	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	CD	CD5 Rep 2	363366	18,53507	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	CD	CD5 Rep 3	359661	18,4081477	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	CD	CD6 Rep 1	319472	18,48914578	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	CD	CD6 Rep 2	314256	17,96539881	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	CD	CD6 Rep 3	420889	18,28691028	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	HC	HC1 Rep 1	298743	18,44175203	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	HC	HC1 Rep 2	344120	18,42945935	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	HC	HC1 Rep 3	334707	18,33090842	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	HC	HC2 Rep 1	267970	18,37613875	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	HC	HC2 Rep 2	344478	18,19450496	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	HC	HC2 Rep 3	370064	18,20550678	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	HC	HC3 Rep 1	334485	18,43284621	n.a

GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	HC	HC3 Rep 2	304170	18,08922668	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	HC	HC3 Rep 3	363560	18,20260445	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	HC	HC4 Rep 1	247679	18,37129051	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	HC	HC4 Rep 2	327418	18,26178871	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	HC	HC4 Rep 3	350537	18,33128455	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	HC	HC5 Rep 1	339906	18,42392231	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	HC	HC5 Rep 2	425490	18,36979684	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	HC	HC5 Rep 3	392822	18,23747815	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	HC	HC6 Rep 1	323940	18,36696153	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	HC	HC6 Rep 2	452728	18,28072371	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Heavy	HC	HC6 Rep 3	439725	18,2876818	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	CD	CD1 Rep 1	95316	16,6708812	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	CD	CD1 Rep 2	97502	16,52331817	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	CD	CD1 Rep 3	119628	16,77851883	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	CD	CD2 Rep 1	67917	16,71413908	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	CD	CD2 Rep 2	92131	16,60855534	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	CD	CD2 Rep 3	102494	16,59802499	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	CD	CD3 Rep 1	92187	16,67254535	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	CD	CD3 Rep 2	114079	16,72706314	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	CD	CD3 Rep 3	124806	16,74452932	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	CD	CD4 Rep 1	86384	16,57955707	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	CD	CD4 Rep 2	117748	16,58391576	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	CD	CD4 Rep 3	124185	16,65088309	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	CD	CD5 Rep 1	77882	16,64236811	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	CD	CD5 Rep 2	112587	16,84468682	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	CD	CD5 Rep 3	116753	16,78496959	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	CD	CD6 Rep 1	90052	16,66228651	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	CD	CD6 Rep 2	112681	16,48570279	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	CD	CD6 Rep 3	129100	16,58195947	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	HC	HC1 Rep 1	85093	16,62995949	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	HC	HC1 Rep 2	109233	16,77395638	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	HC	HC1 Rep 3	109547	16,71955967	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	HC	HC2 Rep 1	80635	16,64354534	n.a

GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	HC	HC2 Rep 2	114396	16,60412972	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	HC	HC2 Rep 3	117216	16,5469015	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	HC	HC3 Rep 1	94795	16,61378757	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	HC	HC3 Rep 2	100993	16,49860412	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	HC	HC3 Rep 3	118605	16,58657581	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	HC	HC4 Rep 1	72858	16,60597826	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	HC	HC4 Rep 2	101974	16,57885643	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	HC	HC4 Rep 3	112245	16,688369	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	HC	HC5 Rep 1	89783	16,50330069	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	HC	HC5 Rep 2	135922	16,7234506	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	HC	HC5 Rep 3	132164	16,66593168	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	HC	HC6 Rep 1	94721	16,59299113	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	HC	HC6 Rep 2	144159	16,62974009	n.a
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Heavy	HC	HC6 Rep 3	145755	16,69462562	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	CD	CD1 Rep 1	268885	18,16708016	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	CD	CD1 Rep 2	379590	18,48425644	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	CD	CD1 Rep 3	464976	18,73711998	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	CD	CD2 Rep 1	211324	18,35175106	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	CD	CD2 Rep 2	326623	18,43442315	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	CD	CD2 Rep 3	421622	18,63843568	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	CD	CD3 Rep 1	257388	18,15385492	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	CD	CD3 Rep 2	376404	18,44931186	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	CD	CD3 Rep 3	371561	18,31844111	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	CD	CD4 Rep 1	229703	17,99049074	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	CD	CD4 Rep 2	462378	18,55728597	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	CD	CD4 Rep 3	423649	18,42126163	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	CD	CD5 Rep 1	235972	18,24162195	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	CD	CD5 Rep 2	429985	18,7779329	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	CD	CD5 Rep 3	432599	18,6745403	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	CD	CD6 Rep 1	261578	18,20069749	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	CD	CD6 Rep 2	450768	18,48584362	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	CD	CD6 Rep 3	529544	18,61822104	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	HC	HC1 Rep 1	246566	18,164821	n.a

GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	HC	HC1 Rep 2	410058	18,68237559	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	HC	HC1 Rep 3	346267	18,37989459	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	HC	HC2 Rep 1	243576	18,23843924	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	HC	HC2 Rep 2	459168	18,60911521	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	HC	HC2 Rep 3	470766	18,55274212	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	HC	HC3 Rep 1	278232	18,16719305	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	HC	HC3 Rep 2	358302	18,32552491	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	HC	HC3 Rep 3	558252	18,82132749	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	HC	HC4 Rep 1	218441	18,19006262	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	HC	HC4 Rep 2	367957	18,43019225	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	HC	HC4 Rep 3	414864	18,57435629	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	HC	HC5 Rep 1	266362	18,07217476	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	HC	HC5 Rep 2	501929	18,60815491	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	HC	HC5 Rep 3	492676	18,56424162	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	HC	HC6 Rep 1	269747	18,10284182	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	HC	HC6 Rep 2	561555	18,59150651	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Heavy	HC	HC6 Rep 3	490785	18,4461714	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	CD	CD1 Rep 1	280897	18,2301321	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	CD	CD1 Rep 2	531967	18,9711512	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	CD	CD1 Rep 3	553625	18,98887282	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	CD	CD2 Rep 1	227718	18,45954277	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	CD	CD2 Rep 2	369055	18,6106326	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	CD	CD2 Rep 3	489854	18,85483736	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	CD	CD3 Rep 1	273161	18,23966164	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	CD	CD3 Rep 2	407078	18,56233516	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	CD	CD3 Rep 3	507150	18,76725455	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	CD	CD4 Rep 1	269230	18,21956022	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	CD	CD4 Rep 2	534976	18,76768738	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	CD	CD4 Rep 3	579031	18,87203275	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	CD	CD5 Rep 1	245518	18,29883507	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	CD	CD5 Rep 2	498710	18,9918477	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	CD	CD5 Rep 3	503738	18,89418354	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	CD	CD6 Rep 1	263806	18,21293366	n.a

GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	CD	CD6 Rep 2	567739	18,81868637	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	CD	CD6 Rep 3	606324	18,8135594	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	HC	HC1 Rep 1	262871	18,25720212	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	HC	HC1 Rep 2	496056	18,9570506	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	HC	HC1 Rep 3	444621	18,74058578	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	HC	HC2 Rep 1	256711	18,31421237	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	HC	HC2 Rep 2	536669	18,83412566	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	HC	HC2 Rep 3	528654	18,72005578	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	HC	HC3 Rep 1	299544	18,27367263	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	HC	HC3 Rep 2	435985	18,60862731	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	HC	HC3 Rep 3	639834	19,01810863	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	HC	HC4 Rep 1	240164	18,32683887	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	HC	HC4 Rep 2	450493	18,72215976	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	HC	HC4 Rep 3	484310	18,79764861	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	HC	HC5 Rep 1	294221	18,21568671	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	HC	HC5 Rep 2	574349	18,80259926	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	HC	HC5 Rep 3	530286	18,67037308	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	HC	HC6 Rep 1	293594	18,22505739	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	HC	HC6 Rep 2	652892	18,80892354	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Heavy	HC	HC6 Rep 3	646277	18,84323289	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	CD	CD1 Rep 1	116100	16,95545886	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	CD	CD1 Rep 2	255405	17,91260122	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	CD	CD1 Rep 3	251910	17,85287212	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	CD	CD2 Rep 1	97714	17,23893163	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	CD	CD2 Rep 2	163128	17,43280119	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	CD	CD2 Rep 3	221568	17,71023507	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	CD	CD3 Rep 1	116967	17,01601168	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	CD	CD3 Rep 2	231993	17,75111118	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	CD	CD3 Rep 3	220087	17,56291596	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	CD	CD4 Rep 1	109610	16,92310047	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	CD	CD4 Rep 2	249850	17,66927543	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	CD	CD4 Rep 3	266617	17,75316094	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	CD	CD5 Rep 1	104130	17,06139204	n.a



GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	CD	CD5 Rep 2	231205	17,88281916	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	CD	CD5 Rep 3	240112	17,82521748	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	CD	CD6 Rep 1	115065	17,01590535	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	CD	CD6 Rep 2	251526	17,64416606	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	CD	CD6 Rep 3	261574	17,60068962	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	HC	HC1 Rep 1	113681	17,04783828	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	HC	HC1 Rep 2	222699	17,80164269	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	HC	HC1 Rep 3	216779	17,7042347	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	HC	HC2 Rep 1	110402	17,09683356	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	HC	HC2 Rep 2	241747	17,6835911	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	HC	HC2 Rep 3	240152	17,58167981	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	HC	HC3 Rep 1	129740	17,06652804	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	HC	HC3 Rep 2	198103	17,47059954	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	HC	HC3 Rep 3	269476	17,77056777	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	HC	HC4 Rep 1	105053	17,13393632	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	HC	HC4 Rep 2	213957	17,64797595	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	HC	HC4 Rep 3	198875	17,51357975	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	HC	HC5 Rep 1	123249	16,96036243	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	HC	HC5 Rep 2	251663	17,61216473	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	HC	HC5 Rep 3	264434	17,66651011	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	HC	HC6 Rep 1	129316	17,0421357	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	HC	HC6 Rep 2	300460	17,68925212	n.a
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Heavy	HC	HC6 Rep 3	303812	17,7542591	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	CD	CD1 Rep 1	41080	15,45659897	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	CD	CD1 Rep 2	55647	15,71419027	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	CD	CD1 Rep 3	59723	15,77632227	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	CD	CD2 Rep 1	29845	15,5278556	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	CD	CD2 Rep 2	50214	15,73295832	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	CD	CD2 Rep 3	53284	15,65425983	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	CD	CD3 Rep 1	36878	15,35074244	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	CD	CD3 Rep 2	49093	15,51061914	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	CD	CD3 Rep 3	63977	15,78046728	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	CD	CD4 Rep 1	37505	15,37587589	n.a

GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	CD	CD4 Rep 2	63889	15,70185267	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	CD	CD4 Rep 3	63428	15,68158392	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	CD	CD5 Rep 1	32040	15,36095233	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	CD	CD5 Rep 2	55316	15,81941531	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	CD	CD5 Rep 3	60916	15,84640309	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	CD	CD6 Rep 1	38796	15,4474361	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	CD	CD6 Rep 2	52841	15,39318819	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	CD	CD6 Rep 3	74239	15,78371966	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	HC	HC1 Rep 1	37224	15,43715212	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	HC	HC1 Rep 2	44681	15,48428099	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	HC	HC1 Rep 3	49586	15,57601445	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	HC	HC2 Rep 1	32353	15,32603866	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	HC	HC2 Rep 2	61876	15,71754495	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	HC	HC2 Rep 3	68789	15,77798177	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	HC	HC3 Rep 1	40763	15,39623683	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	HC	HC3 Rep 2	56411	15,65839723	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	HC	HC3 Rep 3	63968	15,69583326	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	HC	HC4 Rep 1	29510	15,30209478	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	HC	HC4 Rep 2	50784	15,57310101	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	HC	HC4 Rep 3	59808	15,7801282	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	HC	HC5 Rep 1	36028	15,18597696	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	HC	HC5 Rep 2	69541	15,75660733	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	HC	HC5 Rep 3	72141	15,79249375	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	HC	HC6 Rep 1	32118	15,03268887	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	HC	HC6 Rep 2	74557	15,67849489	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Heavy	HC	HC6 Rep 3	85843	15,93085265	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	CD	CD1 Rep 1	26130	14,80386992	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	CD	CD1 Rep 2	37277	15,13617211	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	CD	CD1 Rep 3	34878	15,00035295	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	CD	CD2 Rep 1	21239	15,03708219	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	CD	CD2 Rep 2	29334	14,95744248	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	CD	CD2 Rep 3	34932	15,04510669	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	CD	CD3 Rep 1	23451	14,69763147	n.a

GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	CD	CD3 Rep 2	33110	14,94236882	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	CD	CD3 Rep 3	41032	15,13966341	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	CD	CD4 Rep 1	23070	14,67481095	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	CD	CD4 Rep 2	34594	14,81680695	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	CD	CD4 Rep 3	38249	14,9518861	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	CD	CD5 Rep 1	20055	14,68504014	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	CD	CD5 Rep 2	33231	15,08424818	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	CD	CD5 Rep 3	38918	15,20001945	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	CD	CD6 Rep 1	26013	14,87076098	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	CD	CD6 Rep 2	41795	15,05486079	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	CD	CD6 Rep 3	44664	15,05065484	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	HC	HC1 Rep 1	21465	14,6429052	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	HC	HC1 Rep 2	30637	14,93989455	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	HC	HC1 Rep 3	31501	14,92147923	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	HC	HC2 Rep 1	21455	14,73345306	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	HC	HC2 Rep 2	37562	14,9974389	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	HC	HC2 Rep 3	42603	15,08675892	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	HC	HC3 Rep 1	23207	14,58353664	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	HC	HC3 Rep 2	40094	15,16580708	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	HC	HC3 Rep 3	42223	15,09651197	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	HC	HC4 Rep 1	19824	14,72813896	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	HC	HC4 Rep 2	35914	15,07327332	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	HC	HC4 Rep 3	38946	15,16126488	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	HC	HC5 Rep 1	25367	14,6798113	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	HC	HC5 Rep 2	42983	15,06250969	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	HC	HC5 Rep 3	44178	15,08500244	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	HC	HC6 Rep 1	23217	14,56448838	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	HC	HC6 Rep 2	49024	15,07363929	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Heavy	HC	HC6 Rep 3	46590	15,04917248	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	CD	CD1 Rep 1	25888	14,7904463	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	CD	CD1 Rep 2	33035	14,9618817	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	CD	CD1 Rep 3	31598	14,85786888	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	CD	CD2 Rep 1	22189	15,100211	n.a

GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	CD	CD2 Rep 2	31373	15,05439216	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	CD	CD2 Rep 3	33840	14,99928701	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	CD	CD3 Rep 1	22575	14,64270801	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	CD	CD3 Rep 2	33973	14,97949043	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	CD	CD3 Rep 3	41079	15,141315	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	CD	CD4 Rep 1	24330	14,75152927	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	CD	CD4 Rep 2	40355	15,03903255	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	CD	CD4 Rep 3	41472	15,06860169	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	CD	CD5 Rep 1	20911	14,74534023	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	CD	CD5 Rep 2	35232	15,16860484	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	CD	CD5 Rep 3	38756	15,19400155	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	CD	CD6 Rep 1	23675	14,73489262	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	CD	CD6 Rep 2	38216	14,92570721	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	CD	CD6 Rep 3	47802	15,14861336	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	HC	HC1 Rep 1	26450	14,94418675	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	HC	HC1 Rep 2	32530	15,02639034	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	HC	HC1 Rep 3	37888	15,18782258	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	HC	HC2 Rep 1	25206	14,96590635	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	HC	HC2 Rep 2	39420	15,06709279	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	HC	HC2 Rep 3	41836	15,06054881	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	HC	HC3 Rep 1	26224	14,75986436	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	HC	HC3 Rep 2	34593	14,95290085	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	HC	HC3 Rep 3	42832	15,11717192	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	HC	HC4 Rep 1	21906	14,87221694	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	HC	HC4 Rep 2	33367	14,96714896	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	HC	HC4 Rep 3	39857	15,19462284	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	HC	HC5 Rep 1	28085	14,82665819	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	HC	HC5 Rep 2	41695	15,0186179	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	HC	HC5 Rep 3	43297	15,05594139	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	HC	HC6 Rep 1	27814	14,82511805	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	HC	HC6 Rep 2	48495	15,05798709	n.a
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Heavy	HC	HC6 Rep 3	55297	15,29635336	n.a

**Supplementary Table 4:** Output file of the R package MSstats showing the results of the model-based statistical analysis for differential protein abundance between CD and HC.

Protein Name	Protein Accession number	Log <sub>2</sub> (Fold Change)	Standard error	T value	Degree of freedom	P value	Adjusted P value
ClpB COG0542 Bacteroides	1562586	2,250400719	0,156960514	14,3373684	92	0	0
type 1 dockerin Ruminococcus	1622487	4,797866956	0,101212943	47,40369002	296	0	0
DnaK COG0443 Bacteroides	1624002	2,038356005	0,069683894	29,25146528	160	0	0
Pfk COG0205 Bacteroides	182951	1,968573902	0,099746081	19,73585208	228	0	0
TonB Bacteroides	1861838	3,502753194	0,125731286	27,85904222	126	0	0
surface Bacteroidales	1939312	-1,695917456	0,116493503	-14,55804329	432	0	0
AhpC COG0450 Bacteroides	215822	2,133552558	0,180927714	11,79229269	92	0	0
GapA COG0057 Prevotella	2596432	-3,799785274	0,149701793	-25,38236311	160	0	0
PepD COG2195 Bacteroides	377760	1,961071756	0,115514229	16,97688476	194	0	0
TktA-TktB COG0021 Bacteroides	513615	2,381387167	0,084675029	28,12384232	228	0	0
KorA COG0674,COG1014 Bacteroides	707721	2,092635353	0,125519044	16,67185538	92	0	0
FusA COG0480 Bacteroides	724132	2,378839104	0,086601552	27,46878157	398	0	0
GP2 Homo sapiens	sp P55259	-1,236360895	0,065832007	-18,78054395	296	0	0



FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y8	Light	19,0	10,7	< LOQ	< LOQ	6,7	19,0	7,8	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
FusA COG0480 Bacteroides	724132	FASYELVPTDVQEK	y9	Light	17,0	15,3	< LOQ	< LOQ	11,7	7,0	4,8	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
FusA COG0480 Bacteroides	724132	GTEEIPLEWGGK	y4	Light	17,8	16,7	< LOQ	< LOQ	13,1	3,7	11,0	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	b8	Light	5,3	6,4	< LOQ	< LOQ	12,6	18,4	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y10	Light	13,3	5,9	17,9	< LOQ	18,7	3,9	9,1	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y11	Light	11,2	2,3	< LOQ	< LOQ	4,3	3,8	4,0	14,9	< LOQ	11,4	< LOQ	< LOQ
FusA COG0480 Bacteroides	724132	ILEPIYDVEVFVPSDK	y8	Light	14,5	10,7	18,2	< LOQ	9,2	11,6	13,2	< LOQ	< LOQ	14,8	< LOQ	< LOQ
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y10	Light	5,2	6,6	7,3	16,5	3,9	8,9	6,2	< LOQ	< LOQ	5,1	< LOQ	< LOQ
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y7	Light	3,9	1,2	6,3	9,4	3,8	6,9	8,9	15,8	< LOQ	12,9	< LOQ	5,6
FusA COG0480 Bacteroides	724132	NIALLGNDGSGK	y8	Light	5,2	7,4	14,8	< LOQ	0,1	2,4	2,9	13,1	< LOQ	7,8	< LOQ	7,7
FusA COG0480 Bacteroides	724132	VHEGDLLTNADR	y10	Light	5,7	10,9	< LOQ	< LOQ	1,8	10,7	2,7	8,2	< LOQ	17,8	< LOQ	< LOQ
FusA COG0480 Bacteroides	724132	VHEGDLLTNADR	y9	Light	7,7	5,9	< LOQ	< LOQ	7,8	14,2	6,0	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
ClpB COG0542 Bacteroides	1562586	VVGQDEAIAAVSDAVR	y8	Light	0,9	9,2	< LOQ	< LOQ	5,9	< LOQ	3,0	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y6	Light	7,1	8,4	1,7	< LOQ	13,1	5,7	5,6	< LOQ	< LOQ	12,3	< LOQ	9,8
ClpB COG0542 Bacteroides	1562586	YAINLNEAAR	y7	Light	4,4	15,8	8,0	8,4	13,3	11,2	5,6	3,4	< LOQ	12,7	16,1	16,0
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y10	Light	5,4	7,4	7,7	< LOQ	4,2	7,7	5,0	< LOQ	19,8	18,3	< LOQ	< LOQ
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y11	Light	2,4	4,8	4,9	< LOQ	5,6	5,2	4,2	< LOQ	5,6	16,3	< LOQ	< LOQ
type 1 dockerin Ruminococcus	1622487	DVEVYIVGTGNYSGR	y9	Light	6,3	6,5	8,8	< LOQ	9,8	11,4	8,5	< LOQ	5,6	14,5	< LOQ	< LOQ
type 1 dockerin Ruminococcus	1622487	FVSGTTNVLNLTSDYK	y6	Light	10,7	1,4	8,9	< LOQ	14,3	11,4	7,4	< LOQ	10,1	5,8	< LOQ	< LOQ
type 1 dockerin Ruminococcus	1622487	FVSGTTNVLNLTSDYK	y8	Light	17,4	6,0	5,0	< LOQ	6,7	17,6	10,8	< LOQ	19,4	13,3	< LOQ	< LOQ
type 1 dockerin Ruminococcus	1622487	NAGEATVTVVVGK	y10	Light	14,1	9,4	11,1	< LOQ	7,0	9,7	2,5	< LOQ	14,9	9,7	< LOQ	< LOQ
type 1 dockerin Ruminococcus	1622487	VNVNVGDATVTLAPVK	y11	Light	3,4	17,7	7,7	< LOQ	1,8	14,3	8,9	< LOQ	3,4	7,7	< LOQ	< LOQ
type 1 dockerin Ruminococcus	1622487	VNVNVGDATVTLAPVK	y4	Light	6,7	11,7	9,3	< LOQ	3,3	5,7	5,9	< LOQ	18,4	5,8	< LOQ	< LOQ
type 1 dockerin Ruminococcus	1622487	YFNNITGPK	y8	Light	7,5	6,5	12,1	< LOQ	9,4	11,3	3,0	< LOQ	18,4	18,0	< LOQ	< LOQ
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y10	Light	3,4	13,0	16,5	< LOQ	6,5	18,0	18,1	16,4	< LOQ	17,5	< LOQ	< LOQ
DnaK COG0443 Bacteroides	1624002	GVPQIEVTFDIDANGILK	y16	Light	11,6	4,1	15,3	< LOQ	6,4	18,7	7,2	3,2	7,5	< LOQ	3,9	18,3
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y6	Light	18,8	15,0	2,4	< LOQ	6,0	9,0	18,0	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
DnaK COG0443 Bacteroides	1624002	IVNEPTAAALAYGLDK	y9	Light	3,0	12,5	19,0	10,4	7,0	1,2	6,2	7,9	< LOQ	3,3	< LOQ	< LOQ
DnaK COG0443 Bacteroides	1624002	SIGQFNLTGIAPAR	y10	Light	4,2	3,3	8,3	7,8	6,3	5,0	13,7	2,7	10,4	14,4	3,4	11,9
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y7	Light	< LOQ	3,6	< LOQ	13,3	3,9	3,9	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
TonB Bacteroides	1861838	ASFTGAAAIIGEDVIAK	y8	Light	6,2	11,3	< LOQ	14,9	8,5	8,6	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	6,7
TonB Bacteroides	1861838	DGSSVFGSNHR	y6	Light	7,8	16,6	< LOQ	14,4	15,3	1,1	< LOQ	15,7	18,7	< LOQ	< LOQ	< LOQ
TonB Bacteroides	1861838	YPQYIGDPNK	y6	Light	15,6	12,1	< LOQ	10,3	5,0	11,1	14,6	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ

surface Bacteroidales	1939312	ADQATVTALEAR	y7	Light	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	12,7	< LOQ
surface Bacteroidales	1939312	DNTTTDIYENSR	y6	Light	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	5,1	< LOQ	< LOQ	18,1	< LOQ
surface Bacteroidales	1939312	DNTTTDIYENSR	y9	Light	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	16,5	< LOQ	< LOQ	4,9	< LOQ
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y10	Light	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	3,3	< LOQ
surface Bacteroidales	1939312	EDAWNLINPLAQADEK	y9	Light	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	7,0	< LOQ
surface Bacteroidales	1939312	VEALESLDIATIAR	y10	Light	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	7,3	< LOQ
surface Bacteroidales	1939312	VEALESLDIATIAR	y7	Light	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	5,7	< LOQ
surface Bacteroidales	1939312	VEALESLDIATIAR	y9	Light	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	14,4	< LOQ
surface Bacteroidales	1939312	VQAEGLDQATFEK	y10	Light	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	18,7	< LOQ
surface Bacteroidales	1939312	VQAEGLDQATFEK	y11	Light	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	12,0	< LOQ
surface Bacteroidales	1939312	YDVCLIAPIR	y5	Light	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	7,6	< LOQ
surface Bacteroidales	1939312	YDVCLIAPIR	y6	Light	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	3,8	< LOQ
surface Bacteroidales	1939312	YDVCLIAPIR	y7	Light	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	4,2	< LOQ
GapA COG0057 Prevotella	2596432	GILGYTEK	y7	Light	< LOQ	< LOQ	< LOQ	7,4	< LOQ	< LOQ	< LOQ	5,3	8,9	< LOQ	16,2	11,8
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y10	Light	< LOQ	< LOQ	< LOQ	8,4	< LOQ	< LOQ	< LOQ	19,7	3,9	8,5	8,2	4,7
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y8	Light	< LOQ	< LOQ	< LOQ	9,9	< LOQ	< LOQ	< LOQ	1,3	7,2	12,3	4,9	13,5
GapA COG0057 Prevotella	2596432	VPTLDVSVVDLTVNLK	y9	Light	< LOQ	< LOQ	< LOQ	9,4	< LOQ	< LOQ	< LOQ	17,4	6,8	6,1	15,2	10,1
GapA COG0057 Prevotella	2596432	VVSWYDNEIGYSHK	y5	Light	< LOQ	< LOQ	< LOQ	5,7	< LOQ	< LOQ	< LOQ	12,2	1,6	14,1	19,5	12,1
GP2 Homo sapiens	sp P55259	CLLGGGLGEEVIAYLR	y9	Light	< LOQ	4,8	8,6	8,6	6,6	14,5	8,2	10,6	7,6	15,1	13,2	5,0
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y6	Light	< LOQ	6,3	4,8	11,4	19,9	14,6	16,4	4,2	< LOQ	< LOQ	7,7	19,9
GP2 Homo sapiens	sp P55259	LEGTPWCNLR	y8	Light	< LOQ	5,8	11,7	18,5	< LOQ	10,8	5,7	1,8	< LOQ	< LOQ	15,1	16,7
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y6	Light	10,8	3,5	10,0	16,4	12,1	8,3	12,0	0,9	6,2	1,3	3,1	9,2
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y7	Light	1,6	6,7	12,7	8,2	10,1	8,4	6,4	7,3	12,9	4,4	4,8	10,0
GP2 Homo sapiens	sp P55259	NTLSLVNDFIIR	y8	Light	10,5	4,9	11,6	12,4	12,8	3,7	9,5	3,1	12,8	1,8	7,1	0,8
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y10	Light	< LOQ	6,1	19,8	9,9	6,7	18,2	7,5	8,2	16,7	1,2	7,8	14,0
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y12	Light	< LOQ	13,5	10,1	9,4	6,0	7,5	4,1	9,6	5,3	3,2	4,6	5,1
GP2 Homo sapiens	sp P55259	NWVSVTSPVQASACR	y9	Light	< LOQ	14,6	12,2	8,2	8,4	12,4	2,1	5,0	9,2	3,0	8,1	6,3