

Supplementary table 11: Spearman correlation of $2^{-\Delta\Delta Ct}$ values and abundance of OTUs

	OTU_ID	Cluster	CCL20 p-adjust
OTU_1	OTU_1 Blautia	Firmicutes Cluster 1	0.23487517
OTU_10	OTU_10 Roseburia	Firmicutes Cluster 1	0.92530141
OTU_100	OTU_100 Granulicatella	Prevotella Cluster	0.898968379
OTU_101	OTU_101 Parasutterella	Bacteroidetes Cluster 2	0.898968379
OTU_1010	OTU_1010 Bifidobacterium	Bacteroidetes Cluster 2	0.898968379
OTU_1011	OTU_1011 unclassified.Ruminococcaceae	Bacteroidetes Cluster 2	0.979439223
OTU_1016	OTU_1016 Barnesiella	Bacteroidetes Cluster 1	0.52948541
OTU_103	OTU_103 unclassified.Firmicutes	Firmicutes Cluster 2	0.898968379
OTU_1039	OTU_1039 Blautia	Firmicutes Cluster 1	0.573236075
OTU_104	OTU_104 unclassified.Clostridiales	Bacteroidetes Cluster 2	0.445078186
OTU_1040	OTU_1040 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.927558181
OTU_105	OTU_105 Peptostreptococcus	Pathogen Cluster	0.355660495
OTU_106	OTU_106 Butyricicoccus	Firmicutes Cluster 1	0.898968379
OTU_1063	OTU_1063 unclassified.Ruminococcaceae	Firmicutes Cluster 2	0.972040489
OTU_1068	OTU_1068 Flavonifractor	Bacteroidetes Cluster 2	0.963429427
OTU_107	OTU_107 Oscillibacter	Bacteroidetes Cluster 2	0.927558181
OTU_1078	OTU_1078 Clostridium_sensu_stricto	Prevotella Cluster	0.945513616
OTU_108	OTU_108 Bifidobacterium	Bacteroidetes Cluster 2	0.898968379
OTU_1080	OTU_1080 Faecalibacterium	Firmicutes Cluster 2	0.963429427
OTU_1083	OTU_1083 Cellulosilyticum	Prevotella Cluster	0.937310608
OTU_109	OTU_109 Blautia	Firmicutes Cluster 1	0.785273944
OTU_1090	OTU_1090 Coprococcus	Firmicutes Cluster 2	0.854194018
OTU_11	OTU_11 Lachnospiracea_incertae_sedis	Bacteroidetes Cluster 1	0.898968379
OTU_110	OTU_110 Clostridium_IV	Bacteroidetes Cluster 1	0.963429427
OTU_1111	OTU_1111 unclassified.Lachnospiraceae	Pathogen Cluster	0.963429427
OTU_1117	OTU_1117 Asaccharobacter	Bacteroidetes Cluster 2	0.963429427
OTU_112	OTU_112 unclassified.Ruminococcaceae	Bacteroidetes Cluster 1	0.963429427
OTU_1129	OTU_1129 Lachnospiracea_incertae_sedis	Firmicutes Cluster 2	0.945513616
OTU_113	OTU_113 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.549274513
OTU_114	OTU_114 Flavonifractor	Prevotella Cluster	0.425491128
OTU_115	OTU_115 Clostridium_IV	Bacteroidetes Cluster 2	0.23487517
OTU_1157	OTU_1157 Dorea	Bacteroidetes Cluster 1	0.741740405
OTU_1159	OTU_1159 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.945513616
OTU_116	OTU_116 Parabacteroides	Bacteroidetes Cluster 2	0.963429427
OTU_1167	OTU_1167 Lachnospiracea_incertae_sedis	Bacteroidetes Cluster 1	0.972040489
OTU_1172	OTU_1172 Butyricimonas	Bacteroidetes Cluster 2	0.963429427
OTU_1174	OTU_1174 Blautia	Firmicutes Cluster 1	0.945513616
OTU_118	OTU_118 Clostridium_XIVa	Bacteroidetes Cluster 1	0.759074303
OTU_12	OTU_12 Coprococcus	Firmicutes Cluster 1	0.937310608
OTU_120	OTU_120 Anaerococcus	Pathogen Cluster	0.461338873
OTU_1200	OTU_1200 Prevotella	Prevotella Cluster	0.400927659
OTU_1204	OTU_1204 Flavonifractor	Bacteroidetes Cluster 1	0.967961015
OTU_121	OTU_121 unclassified.Rhodospirillales	Bacteroidetes Cluster 2	0.945513616
OTU_122	OTU_122 Bacteroides	Bacteroidetes Cluster 1	0.972040489
OTU_1228	OTU_1228 unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.963429427
OTU_1229	OTU_1229 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.991097582
OTU_123	OTU_123 Catenibacterium	Prevotella Cluster	0.090548763

OTU_1230	OTU_1230	Lachnospiracea_incertae_sedis	Firmicutes Cluster 2	0.945513616
OTU_1232	OTU_1232	Lachnospiracea_incertae_sedis	Firmicutes Cluster 2	0.945513616
OTU_125	OTU_125	unclassified.Clostridiales	Prevotella Cluster	0.937310608
OTU_1250	OTU_1250	Faecalibacterium	Firmicutes Cluster 1	0.858480238
OTU_1256	OTU_1256	Lachnospiracea_incertae_sedis	Bacteroidetes Cluster 1	0.898968379
OTU_126	OTU_126	unclassified.Deltaproteobacteria	Bacteroidetes Cluster 2	0.858480238
OTU_1262	OTU_1262	Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.951552439
OTU_1266	OTU_1266	unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.804250565
OTU_1267	OTU_1267	unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.086728024
OTU_1277	OTU_1277	unclassified.Lachnospiraceae	Firmicutes Cluster 2	0.979439223
OTU_1279	OTU_1279	Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.963429427
OTU_128	OTU_128	Blautia	Firmicutes Cluster 1	0.383969526
OTU_1283	OTU_1283	Anaerostipes	Firmicutes Cluster 1	0.972040489
OTU_129	OTU_129	Lachnospiracea_incertae_sedis	Prevotella Cluster	0.355660495
OTU_1295	OTU_1295	Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.991097582
OTU_1296	OTU_1296	Faecalibacterium	Firmicutes Cluster 1	0.410417909
OTU_13	OTU_13	Gemmiger	Firmicutes Cluster 1	0.399758721
OTU_1303	OTU_1303	Coprococcus	Firmicutes Cluster 1	0.643830937
OTU_1306	OTU_1306	unclassified.Lachnospiraceae	Prevotella Cluster	0.400927659
OTU_1309	OTU_1309	Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.898968379
OTU_131	OTU_131	Erysipelotrichaceae_incertae_sedis	Bacteroidetes Cluster 1	0.898968379
OTU_1312	OTU_1312	Lachnospiracea_incertae_sedis	Prevotella Cluster	0.711670458
OTU_1317	OTU_1317	Clostridium_XIVa	Bacteroidetes Cluster 1	0.937310608
OTU_132	OTU_132	Pseudomonas	Pathogen Cluster	0.886126018
OTU_1320	OTU_1320	Clostridium_XIVa	Firmicutes Cluster 1	0.804250565
OTU_1322	OTU_1322	Clostridium_XIVa	Bacteroidetes Cluster 1	0.854194018
OTU_1324	OTU_1324	unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.963429427
OTU_1326	OTU_1326	unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.886126018
OTU_133	OTU_133	unclassified.Clostridiales	Prevotella Cluster	0.898968379
OTU_1331	OTU_1331	Blautia	Firmicutes Cluster 1	0.945513616
OTU_1337	OTU_1337	unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.985592025
OTU_134	OTU_134	unclassified.Ruminococcaceae	Bacteroidetes Cluster 1	0.963429427
OTU_1349	OTU_1349	Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.425491128
OTU_135	OTU_135	Ruminococcus	Firmicutes Cluster 2	0.072980042
OTU_1357	OTU_1357	unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.987416817
OTU_1358	OTU_1358	Clostridium_sensu_stricto	Prevotella Cluster	0.972040489
OTU_136	OTU_136	Turicibacter	Prevotella Cluster	0.898968379
OTU_1366	OTU_1366	Coprococcus	Prevotella Cluster	0.945513616
OTU_1370	OTU_1370	Blautia	Firmicutes Cluster 1	0.945513616
OTU_1380	OTU_1380	unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.886126018
OTU_1388	OTU_1388	Anaerostipes	Firmicutes Cluster 1	0.985592025
OTU_139	OTU_139	unclassified.Bacteroidetes	Prevotella Cluster	0.945513616
OTU_1395	OTU_1395	unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.886126018
OTU_1396	OTU_1396	Blautia	Firmicutes Cluster 1	0.991097582
OTU_14	OTU_14	Bacteroides	Bacteroidetes Cluster 2	0.987416817
OTU_140	OTU_140	Howardella	Prevotella Cluster	0.898968379
OTU_141	OTU_141	Gemella	Pathogen Cluster	0.734639971
OTU_1415	OTU_1415	Clostridium_XIVa	Firmicutes Cluster 1	0.139278337
OTU_142	OTU_142	Gemmiger	Firmicutes Cluster 2	0.951552439
OTU_1421	OTU_1421	Gemmiger	Firmicutes Cluster 1	0.90136959

OTU_143	OTU_143 Alistipes	Bacteroidetes Cluster 2	0.991097582
OTU_1439	OTU_1439 Clostridium_XI	Prevotella Cluster	0.858480238
OTU_144	OTU_144 Dialister	Pathogen Cluster	0.200744803
OTU_1446	OTU_1446 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.854194018
OTU_145	OTU_145 Lachnospiracea_incertae_sedis	Firmicutes Cluster 2	0.945513616
OTU_1451	OTU_1451 Lachnospiracea_incertae_sedis	Bacteroidetes Cluster 1	0.898968379
OTU_1454	OTU_1454 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.898968379
OTU_1459	OTU_1459 Clostridium_XIVa	Bacteroidetes Cluster 2	0.898968379
OTU_1461	OTU_1461 Roseburia	Firmicutes Cluster 1	0.809923058
OTU_1465	OTU_1465 Coprococcus	Bacteroidetes Cluster 1	0.340032431
OTU_147	OTU_147 unclassified.Lachnospiraceae	Prevotella Cluster	0.945513616
OTU_1475	OTU_1475 Blautia	Firmicutes Cluster 1	0.507794276
OTU_1476	OTU_1476 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.615890187
OTU_148	OTU_148 Porphyromonas	Pathogen Cluster	0.583032313
OTU_149	OTU_149 Lachnospiracea_incertae_sedis	Bacteroidetes Cluster 1	0.987416817
OTU_15	OTU_15 Coprococcus	Firmicutes Cluster 1	0.006625038
OTU_152	OTU_152 Alistipes	Bacteroidetes Cluster 2	0.898968379
OTU_1523	OTU_1523 Bacteroides	Bacteroidetes Cluster 2	0.945513616
OTU_1524	OTU_1524 Bacteroides	Bacteroidetes Cluster 2	0.937310608
OTU_154	OTU_154 Clostridium_IV	Firmicutes Cluster 2	0.972040489
OTU_1548	OTU_1548 unclassified.Ruminococcaceae	Firmicutes Cluster 2	0.83942747
OTU_158	OTU_158 Solobacterium	Pathogen Cluster	0.883002137
OTU_16	OTU_16 Alistipes	Bacteroidetes Cluster 2	0.8868296
OTU_161	OTU_161 unclassified.Ruminococcaceae	Firmicutes Cluster 2	0.963429427
OTU_162	OTU_162 unclassified.Sutterellaceae	Bacteroidetes Cluster 2	0.715228858
OTU_163	OTU_163 unclassified.Clostridiales	Bacteroidetes Cluster 2	0.898968379
OTU_165	OTU_165 unclassified.Alphaproteobacteria	Bacteroidetes Cluster 2	0.945513616
OTU_166	OTU_166 unclassified.Clostridiales	Prevotella Cluster	0.355660495
OTU_1663	OTU_1663 Barnesiella	Bacteroidetes Cluster 2	0.898968379
OTU_167	OTU_167 Flavonifractor	Bacteroidetes Cluster 1	0.573236075
OTU_17	OTU_17 Bacteroides	Bacteroidetes Cluster 1	0.972040489
OTU_1705	OTU_1705 Coprococcus	Firmicutes Cluster 1	0.741740405
OTU_1707	OTU_1707 Blautia	Firmicutes Cluster 1	0.741740405
OTU_171	OTU_171 Phascolarctobacterium	Prevotella Cluster	0.972040489
OTU_1712	OTU_1712 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.985592025
OTU_1718	OTU_1718 Dorea	Firmicutes Cluster 1	0.340032431
OTU_1719	OTU_1719 unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.898968379
OTU_1725	OTU_1725 Clostridium_XIVa	Bacteroidetes Cluster 1	0.937310608
OTU_1726	OTU_1726 Lachnospiracea_incertae_sedis	Firmicutes Cluster 2	0.886126018
OTU_173	OTU_173 unclassified.Clostridiales	Bacteroidetes Cluster 2	0.991097582
OTU_1732	OTU_1732 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.293551093
OTU_1738	OTU_1738 Lachnospiracea_incertae_sedis	Bacteroidetes Cluster 1	0.945513616
OTU_1749	OTU_1749 Clostridium_XIVa	Bacteroidetes Cluster 1	0.642289998
OTU_1756	OTU_1756 Blautia	Firmicutes Cluster 1	0.507794276
OTU_1759	OTU_1759 unclassified.Lachnospiraceae	Prevotella Cluster	0.886126018
OTU_1760	OTU_1760 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.945513616
OTU_1762	OTU_1762 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.400927659
OTU_177	OTU_177 Clostridium_XIVb	Bacteroidetes Cluster 2	0.996555065
OTU_1772	OTU_1772 unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.972040489
OTU_1774	OTU_1774 unclassified.Lachnospiraceae	Firmicutes Cluster 2	0.991097582

OTU_1776	OTU_1776 unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.580199317
OTU_178	OTU_178 Paraprevotella	Prevotella Cluster	0.734639971
OTU_1781	OTU_1781 Clostridium_XIVa	Bacteroidetes Cluster 1	0.972040489
OTU_179	OTU_179 unclassified.Ruminococcaceae	Bacteroidetes Cluster 2	0.972040489
OTU_18	OTU_18 Parabacteroides	Bacteroidetes Cluster 2	0.72293245
OTU_181	OTU_181 unclassified.Lachnospiraceae	Firmicutes Cluster 2	0.945513616
OTU_182	OTU_182 unclassified.Ruminococcaceae	Bacteroidetes Cluster 2	0.963429427
OTU_183	OTU_183 Eubacterium	Prevotella Cluster	0.886126018
OTU_186	OTU_186 unclassified.Ruminococcaceae	Firmicutes Cluster 2	0.963429427
OTU_187	OTU_187 unclassified.Ruminococcaceae	Prevotella Cluster	0.951552439
OTU_1877	OTU_1877 Blautia	Firmicutes Cluster 1	0.945513616
OTU_189	OTU_189 Clostridium_XIVb	Firmicutes Cluster 1	0.963429427
OTU_19	OTU_19 Coprococcus	Firmicutes Cluster 1	0.507794276
OTU_1925	OTU_1925 Clostridium_XIVb	Prevotella Cluster	0.741740405
OTU_1936	OTU_1936 unclassified.Ruminococcaceae	Prevotella Cluster	0.898968379
OTU_196	OTU_196 Alistipes	Bacteroidetes Cluster 2	0.963429427
OTU_197	OTU_197 Bacteroides	Pathogen Cluster	0.719576503
OTU_1977	OTU_1977 Ruminococcus	Firmicutes Cluster 2	0.886126018
OTU_199	OTU_199 unclassified.Clostridiales	Firmicutes Cluster 2	0.963429427
OTU_2	OTU_2 Faecalibacterium	Firmicutes Cluster 1	0.410417909
OTU_20	OTU_20 Clostridium_XI	Prevotella Cluster	0.337064239
OTU_200	OTU_200 unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.963429427
OTU_201	OTU_201 Bacteroides	Prevotella Cluster	0.963429427
OTU_2018	OTU_2018 unclassified.Clostridiales	Firmicutes Cluster 2	0.963429427
OTU_203	OTU_203 Clostridium_IV	Bacteroidetes Cluster 2	0.963429427
OTU_205	OTU_205 Mogibacterium	Prevotella Cluster	0.985592025
OTU_206	OTU_206 unclassified.Ruminococcaceae	Bacteroidetes Cluster 2	0.90136959
OTU_2064	OTU_2064 Coprococcus	Firmicutes Cluster 2	0.937310608
OTU_207	OTU_207 Flavonifractor	Prevotella Cluster	0.945513616
OTU_208	OTU_208 unclassified.Clostridiales	Firmicutes Cluster 2	0.846593704
OTU_21	OTU_21 Clostridium_XIVa	Firmicutes Cluster 1	0.090548763
OTU_212	OTU_212 Butyricimonas	Bacteroidetes Cluster 2	0.8868296
OTU_213	OTU_213 Veillonella	Prevotella Cluster	0.734639971
OTU_214	OTU_214 Lachnospiraceae_incertae_sedis	Bacteroidetes Cluster 1	0.804250565
OTU_216	OTU_216 unclassified.Clostridiales	Prevotella Cluster	0.549274513
OTU_217	OTU_217 unclassified.Clostridiales	Prevotella Cluster	0.615890187
OTU_218	OTU_218 Alistipes	Bacteroidetes Cluster 2	0.883002137
OTU_22	OTU_22 Dorea	Firmicutes Cluster 1	0.734639971
OTU_222	OTU_222 Peptococcus	Prevotella Cluster	0.716568284
OTU_223	OTU_223 Anaerorhabdus	Bacteroidetes Cluster 1	0.875229097
OTU_226	OTU_226 Clostridium_IV	Bacteroidetes Cluster 2	0.898968379
OTU_228	OTU_228 Faecalibacterium	Prevotella Cluster	0.804250565
OTU_229	OTU_229 unclassified.Clostridiales	Bacteroidetes Cluster 2	0.963429427
OTU_23	OTU_23 unclassified.Ruminococcaceae	Firmicutes Cluster 2	0.898968379
OTU_230	OTU_230 unclassified.Ruminococcaceae	Firmicutes Cluster 2	0.945513616
OTU_231	OTU_231 unclassified.Lachnospiraceae	Bacteroidetes Cluster 1	0.979439223
OTU_234	OTU_234 Bacteroides	Bacteroidetes Cluster 2	0.804250565
OTU_235	OTU_235 Barnesiella	Bacteroidetes Cluster 1	0.643830937
OTU_237	OTU_237 Clostridium_XIVb	Bacteroidetes Cluster 1	0.919110583
OTU_239	OTU_239 Streptococcus	Prevotella Cluster	0.945513616

OTU_24	OTU_24 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.710545339
OTU_240	OTU_240 unclassified.Coriobacteriaceae	Prevotella Cluster	0.991097582
OTU_241	OTU_241 Clostridium_XIVa	Bacteroidetes Cluster 1	0.898968379
OTU_242	OTU_242 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.919110583
OTU_246	OTU_246 Pseudoflavonifractor	Bacteroidetes Cluster 2	0.804250565
OTU_247	OTU_247 Alistipes	Bacteroidetes Cluster 2	0.967961015
OTU_249	OTU_249 Peptoniphilus	Pathogen Cluster	0.355660495
OTU_25	OTU_25 Bifidobacterium	Bacteroidetes Cluster 2	0.643830937
OTU_251	OTU_251 Bacteroides	Bacteroidetes Cluster 1	0.963429427
OTU_259	OTU_259 Clostridium_IV	Bacteroidetes Cluster 2	0.898968379
OTU_26	OTU_26 Prevotella	Prevotella Cluster	0.425491128
OTU_261	OTU_261 unclassified.Clostridiales	Prevotella Cluster	0.945513616
OTU_262	OTU_262 Eggerthella	Pathogen Cluster	0.846593704
OTU_263	OTU_263 unclassified.Ruminococcaceae	Bacteroidetes Cluster 2	0.730394236
OTU_269	OTU_269 unclassified.Clostridiales	Bacteroidetes Cluster 2	0.804250565
OTU_27	OTU_27 Clostridium_sensu_stricto	Prevotella Cluster	0.981317197
OTU_274	OTU_274 Butyricicoccus	Firmicutes Cluster 1	0.906159642
OTU_275	OTU_275 Methanobrevibacter	Bacteroidetes Cluster 2	0.991097582
OTU_277	OTU_277 Gemmiger	Bacteroidetes Cluster 2	0.898968379
OTU_278	OTU_278 Coprococcus	Firmicutes Cluster 1	0.898968379
OTU_279	OTU_279 unclassified.Ruminococcaceae	Prevotella Cluster	0.595181413
OTU_28	OTU_28 Haemophilus	Prevotella Cluster	0.400927659
OTU_283	OTU_283 Holdemania	Bacteroidetes Cluster 1	0.400927659
OTU_288	OTU_288 Clostridium_XIVa	Prevotella Cluster	0.059895665
OTU_29	OTU_29 Bacteroides	Bacteroidetes Cluster 2	0.568346031
OTU_290	OTU_290 Paraprevotella	Prevotella Cluster	0.734639971
OTU_291	OTU_291 Oscillibacter	Bacteroidetes Cluster 2	0.951552439
OTU_293	OTU_293 unclassified.Ruminococcaceae	Prevotella Cluster	0.595181413
OTU_297	OTU_297 unclassified.Coriobacteriaceae	Bacteroidetes Cluster 2	0.991097582
OTU_3	OTU_3 Bacteroides	Bacteroidetes Cluster 1	0.059895665
OTU_30	OTU_30 Oscillibacter	Bacteroidetes Cluster 2	0.991097582
OTU_300	OTU_300 Sporobacter	Firmicutes Cluster 2	0.945513616
OTU_305	OTU_305 unclassified.Ruminococcaceae	Bacteroidetes Cluster 2	0.846593704
OTU_306	OTU_306 Clostridium_IV	Bacteroidetes Cluster 2	0.974143858
OTU_31	OTU_31 Bacteroides	Bacteroidetes Cluster 2	0.52948541
OTU_314	OTU_314 unclassified.Clostridiales	Bacteroidetes Cluster 2	0.991097582
OTU_32	OTU_32 Bacteroides	Prevotella Cluster	0.507794276
OTU_321	OTU_321 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.945513616
OTU_322	OTU_322 Staphylococcus	Pathogen Cluster	0.898968379
OTU_324	OTU_324 Anaerotruncus	Firmicutes Cluster 2	0.72293245
OTU_325	OTU_325 Clostridium_XIVa	Prevotella Cluster	0.963429427
OTU_327	OTU_327 Slackia	Prevotella Cluster	0.945513616
OTU_33	OTU_33 Sutterella	Prevotella Cluster	0.52948541
OTU_330	OTU_330 unclassified.Clostridiales	Prevotella Cluster	0.976089781
OTU_331	OTU_331 unclassified.Clostridiales	Firmicutes Cluster 2	0.902273174
OTU_34	OTU_34 Halomonas	Pathogen Cluster	0.963429427
OTU_342	OTU_342 unclassified.Clostridiales	Firmicutes Cluster 2	0.945513616
OTU_347	OTU_347 Victivallis	Bacteroidetes Cluster 2	0.991097582
OTU_35	OTU_35 Bacteroides	Prevotella Cluster	0.963429427
OTU_351	OTU_351 unclassified.Clostridiales	Bacteroidetes Cluster 2	0.963429427

OTU_354	OTU_354 Lachnospiracea_incertae_sedis	Bacteroidetes Cluster 2	0.945513616
OTU_355	OTU_355 unclassified.Coriobacteriaceae	Prevotella Cluster	0.886126018
OTU_357	OTU_357 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.846593704
OTU_36	OTU_36 Streptococcus	Prevotella Cluster	0.972040489
OTU_360	OTU_360 Lachnospiracea_incertae_sedis	Firmicutes Cluster 2	0.937310608
OTU_361	OTU_361 unclassified.Ruminococcaceae	Bacteroidetes Cluster 2	0.945513616
OTU_366	OTU_366 unclassified.Ruminococcaceae	Bacteroidetes Cluster 2	0.945513616
OTU_368	OTU_368 Anaerotruncus	Bacteroidetes Cluster 2	0.898968379
OTU_37	OTU_37 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.957169622
OTU_370	OTU_370 Alistipes	Bacteroidetes Cluster 2	0.963429427
OTU_371	OTU_371 unclassified.Desulfovibrionaceae	Bacteroidetes Cluster 2	0.972040489
OTU_373	OTU_373 Clostridium_IV	Bacteroidetes Cluster 2	0.945513616
OTU_375	OTU_375 unclassified.Porphyrromonadaceae	Prevotella Cluster	0.898968379
OTU_378	OTU_378 Oscillibacter	Firmicutes Cluster 2	0.883002137
OTU_38	OTU_38 Alistipes	Bacteroidetes Cluster 2	0.962960735
OTU_380	OTU_380 Clostridium_IV	Bacteroidetes Cluster 2	0.945513616
OTU_382	OTU_382 unclassified.Ruminococcaceae	Prevotella Cluster	0.960587692
OTU_385	OTU_385 Rothia	Prevotella Cluster	0.898968379
OTU_387	OTU_387 unclassified.Clostridiales	Bacteroidetes Cluster 2	0.945513616
OTU_39	OTU_39 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.425491128
OTU_397	OTU_397 Butyricimonas	Bacteroidetes Cluster 2	0.937310608
OTU_4	OTU_4 Anaerostipes	Firmicutes Cluster 1	0.945513616
OTU_40	OTU_40 Clostridium_XIVa	Bacteroidetes Cluster 1	0.967961015
OTU_41	OTU_41 Clostridium_sensu_stricto	Prevotella Cluster	0.963429427
OTU_412	OTU_412 Butyricimonas	Bacteroidetes Cluster 2	0.963429427
OTU_415	OTU_415 Prevotella	Prevotella Cluster	0.785273944
OTU_42	OTU_42 Clostridium_XI	Prevotella Cluster	0.963429427
OTU_43	OTU_43 Shewanella	Pathogen Cluster	0.991097582
OTU_430	OTU_430 Acetanaerobacterium	Bacteroidetes Cluster 2	0.852087964
OTU_436	OTU_436 Actinomyces	Pathogen Cluster	0.985592025
OTU_438	OTU_438 Enterorhabdus	Firmicutes Cluster 2	0.898968379
OTU_44	OTU_44 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.945513616
OTU_444	OTU_444 Pseudoflavonifractor	Bacteroidetes Cluster 2	0.734639971
OTU_45	OTU_45 unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.972988368
OTU_456	OTU_456 Allisonella	Prevotella Cluster	0.898968379
OTU_457	OTU_457 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.972040489
OTU_458	OTU_458 unclassified.Clostridiales	Bacteroidetes Cluster 2	0.90136959
OTU_46	OTU_46 Klebsiella	Pathogen Cluster	0.945513616
OTU_468	OTU_468 unclassified.Ruminococcaceae	Bacteroidetes Cluster 2	0.734639971
OTU_47	OTU_47 Clostridium_XVIII	Firmicutes Cluster 1	0.960587692
OTU_470	OTU_470 unclassified.Oxalobacteraceae	Bacteroidetes Cluster 2	0.963429427
OTU_48	OTU_48 Clostridium_XIVb	Prevotella Cluster	0.734639971
OTU_49	OTU_49 Fusobacterium	Pathogen Cluster	0.580199317
OTU_5	OTU_5 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.139278337
OTU_502	OTU_502 unclassified.Clostridiales	Firmicutes Cluster 2	0.898968379
OTU_507	OTU_507 Bacteroides	Bacteroidetes Cluster 2	0.972040489
OTU_51	OTU_51 Sporobacter	Firmicutes Cluster 2	0.945513616
OTU_52	OTU_52 Fusobacterium	Prevotella Cluster	0.711670458
OTU_53	OTU_53 Phascolarctobacterium	Bacteroidetes Cluster 2	0.886126018
OTU_534	OTU_534 Desulfovibrio	Prevotella Cluster	0.898968379

OTU_535	OTU_535 Clostridium_XIVa	Bacteroidetes Cluster 1	0.804250565
OTU_536	OTU_536 Bacteroides	Bacteroidetes Cluster 1	0.898968379
OTU_54	OTU_54 Clostridium_XIVa	Firmicutes Cluster 1	0.400927659
OTU_545	OTU_545 Erysipelotrichaceae_incertae_sedis	Bacteroidetes Cluster 2	0.927558181
OTU_55	OTU_55 Bifidobacterium	Bacteroidetes Cluster 2	0.945513616
OTU_555	OTU_555 Alistipes	Bacteroidetes Cluster 2	0.972040489
OTU_56	OTU_56 Sutterella	Bacteroidetes Cluster 2	0.573236075
OTU_57	OTU_57 unclassified.Clostridiales	Firmicutes Cluster 2	0.963429427
OTU_58	OTU_58 Desulfovibrio	Prevotella Cluster	0.898968379
OTU_580	OTU_580 Oscillibacter	Firmicutes Cluster 2	0.400927659
OTU_586	OTU_586 Clostridium_XIVa	Prevotella Cluster	0.927558181
OTU_59	OTU_59 Ruminococcus	Bacteroidetes Cluster 2	0.886126018
OTU_593	OTU_593 Clostridium_XVIII	Pathogen Cluster	0.927558181
OTU_6	OTU_6 Escherichia_Shigella	Pathogen Cluster	0.898968379
OTU_60	OTU_60 Oscillibacter	Firmicutes Cluster 2	0.804250565
OTU_603	OTU_603 Lachnospiracea_incertae_sedis	Firmicutes Cluster 2	0.898968379
OTU_61	OTU_61 Streptococcus	Prevotella Cluster	0.945513616
OTU_62	OTU_62 Bacteroides	Bacteroidetes Cluster 2	0.963429427
OTU_627	OTU_627 unclassified.Bacteroidetes	Prevotella Cluster	0.252879204
OTU_63	OTU_63 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.846593704
OTU_639	OTU_639 Clostridium_XIVa	Prevotella Cluster	0.886126018
OTU_64	OTU_64 Ruminococcus	Firmicutes Cluster 2	0.52086088
OTU_65	OTU_65 Flavonifractor	Firmicutes Cluster 2	0.972040489
OTU_66	OTU_66 Coprococcus	Firmicutes Cluster 2	0.972040489
OTU_673	OTU_673 Lachnospiracea_incertae_sedis	Prevotella Cluster	0.425491128
OTU_678	OTU_678 Clostridium_XIVa	Bacteroidetes Cluster 1	0.8868296
OTU_68	OTU_68 Dialister	Bacteroidetes Cluster 1	0.963429427
OTU_681	OTU_681 Veillonella	Prevotella Cluster	0.960587692
OTU_689	OTU_689 Clostridium_sensu_stricto	Prevotella Cluster	0.963429427
OTU_69	OTU_69 unclassified.Ruminococcaceae	Prevotella Cluster	0.906159642
OTU_7	OTU_7 Akkermansia	Bacteroidetes Cluster 2	0.937310608
OTU_70	OTU_70 Clostridium_IV	Bacteroidetes Cluster 2	0.963429427
OTU_702	OTU_702 Clostridium_XIVa	Bacteroidetes Cluster 1	0.622002868
OTU_71	OTU_71 Bacteroides	Bacteroidetes Cluster 2	0.945513616
OTU_72	OTU_72 Odoribacter	Bacteroidetes Cluster 2	0.804250565
OTU_721	OTU_721 Clostridium_XIVa	Bacteroidetes Cluster 1	0.972040489
OTU_727	OTU_727 unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.898968379
OTU_731	OTU_731 Blautia	Firmicutes Cluster 1	0.355668586
OTU_738	OTU_738 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.945513616
OTU_74	OTU_74 Parvimonas	Pathogen Cluster	0.340032431
OTU_745	OTU_745 Erysipelotrichaceae_incertae_sedis	Prevotella Cluster	0.541143558
OTU_75	OTU_75 Barnesiella	Bacteroidetes Cluster 2	0.200744803
OTU_751	OTU_751 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.572114238
OTU_755	OTU_755 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.718105025
OTU_76	OTU_76 Clostridium_IV	Bacteroidetes Cluster 2	0.972040489
OTU_761	OTU_761 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.945513616
OTU_77	OTU_77 Bilophila	Bacteroidetes Cluster 1	0.898968379
OTU_78	OTU_78 Enterococcus	Pathogen Cluster	0.383969526
OTU_782	OTU_782 Alistipes	Bacteroidetes Cluster 2	0.991097582
OTU_784	OTU_784 unclassified.Clostridiales	Prevotella Cluster	0.976089781

OTU_788	OTU_788 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.937310608
OTU_79	OTU_79 Clostridium_XIVa	Firmicutes Cluster 1	0.572114238
OTU_790	OTU_790 Akkermansia	Bacteroidetes Cluster 2	0.963429427
OTU_8	OTU_8 Roseburia	Firmicutes Cluster 1	0.410417909
OTU_802	OTU_802 Faecalibacterium	Firmicutes Cluster 1	0.340032431
OTU_809	OTU_809 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.972040489
OTU_81	OTU_81 unclassified.Ruminococcaceae	Firmicutes Cluster 1	0.963429427
OTU_82	OTU_82 Prevotella	Prevotella Cluster	0.804250565
OTU_822	OTU_822 Flavonifractor	Prevotella Cluster	0.83292249
OTU_83	OTU_83 Lachnospiracea_incertae_sedis	Firmicutes Cluster 2	0.963429427
OTU_830	OTU_830 Lachnospiracea_incertae_sedis	Firmicutes Cluster 2	0.951552439
OTU_837	OTU_837 unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.972040489
OTU_84	OTU_84 unclassified.Clostridiales	Prevotella Cluster	0.991097582
OTU_843	OTU_843 Prevotella	Prevotella Cluster	0.715228858
OTU_856	OTU_856 Bacteroides	Firmicutes Cluster 1	0.52948541
OTU_86	OTU_86 unclassified.Rhodospirillaceae	Bacteroidetes Cluster 1	0.883002137
OTU_869	OTU_869 Actinomyces	Prevotella Cluster	0.969922563
OTU_87	OTU_87 Alistipes	Bacteroidetes Cluster 2	0.745453043
OTU_877	OTU_877 Lachnospiracea_incertae_sedis	Prevotella Cluster	0.991097582
OTU_88	OTU_88 Barnesiella	Bacteroidetes Cluster 1	0.759074303
OTU_884	OTU_884 unclassified.Ruminococcaceae	Firmicutes Cluster 2	0.963429427
OTU_888	OTU_888 Lachnospiracea_incertae_sedis	Bacteroidetes Cluster 1	0.991097582
OTU_89	OTU_89 Streptococcus	Pathogen Cluster	0.425491128
OTU_9	OTU_9 Bacteroides	Pathogen Cluster	0.734639971
OTU_92	OTU_92 unclassified.Ruminococcaceae	Firmicutes Cluster 2	0.898968379
OTU_922	OTU_922 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.898968379
OTU_930	OTU_930 unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.719576503
OTU_94	OTU_94 Collinsella	Bacteroidetes Cluster 2	0.875229097
OTU_949	OTU_949 Bacteroides	Firmicutes Cluster 1	0.340032431
OTU_96	OTU_96 Acetanaerobacterium	Prevotella Cluster	0.945513616
OTU_960	OTU_960 unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.595181413
OTU_962	OTU_962 Lachnospiracea_incertae_sedis	Prevotella Cluster	0.898968379
OTU_968	OTU_968 Clostridium_XIVa	Firmicutes Cluster 1	0.734639971
OTU_969	OTU_969 Clostridium_IV	Prevotella Cluster	0.785273944
OTU_97	OTU_97 Flavonifractor	Prevotella Cluster	0.972040489
OTU_972	OTU_972 Coprococcus	Firmicutes Cluster 1	0.425491128
OTU_98	OTU_98 Ruminococcus	Firmicutes Cluster 2	0.804250565
OTU_988	OTU_988 Dorea	Firmicutes Cluster 1	0.972040489
OTU_989	OTU_989 Lachnospiracea_incertae_sedis	Firmicutes Cluster 1	0.991097582
OTU_99	OTU_99 unclassified.Lachnospiraceae	Firmicutes Cluster 1	0.090548763
OTU_997	OTU_997 Oscillibacter	Firmicutes Cluster 2	0.963429427
OTU_998	OTU_998 Oscillibacter	Firmicutes Cluster 1	0.898968379

CD14 p-adjust	CXCL1 p-adjust	CXCL11 p-adjust	IFNG p-adjust	IL10 p-adjust	IL17a p-adjust
0.597620473	0.008242534	0.125647403	0.998564943	0.958800407	0.020028242
0.597620473	0.936027917	0.895394962	0.998564943	0.958800407	0.272103643
0.454443546	0.626084019	0.663478935	0.998564943	0.958800407	0.724212735
0.935804089	0.936027917	0.875380999	0.998564943	0.97454307	0.876093409
0.863960951	0.689977787	0.964677037	0.998564943	0.958800407	0.510521583
0.773165448	0.936027917	0.870048017	0.998564943	0.958800407	0.941623544
0.722916097	0.365930395	0.965646613	0.998564943	0.958800407	0.369524639
0.510813955	0.795899084	0.964677037	0.998564943	0.989635197	0.565173995
0.146265315	0.277019842	0.783394171	0.998564943	0.958800407	0.045217761
0.886138337	0.277019842	0.851570111	0.998564943	0.958800407	0.561926724
0.858092424	0.936027917	0.909448002	0.998564943	0.958800407	0.400085893
0.454443546	0.084224101	0.387455036	0.845936529	0.958800407	0.05156918
0.087920802	0.735067941	0.779449749	0.998564943	0.97454307	0.07888181
0.952439834	0.995966097	0.907649878	0.998564943	0.958800407	0.565173995
0.482756791	0.651358367	0.783394171	0.998564943	0.958800407	0.742182729
0.814286941	0.936027917	0.999438352	0.998564943	0.977131616	0.992534248
0.772729068	0.936027917	0.622708561	0.998564943	0.977131616	0.84500953
0.510813955	0.598354639	0.817404155	0.998564943	0.958800407	0.992534248
0.400776408	0.989166608	0.851570111	0.998564943	0.977131616	0.754905895
0.956321587	0.936027917	0.779449749	0.998564943	0.958800407	0.905327897
0.200156089	0.406464169	0.622708561	0.998564943	0.958800407	0.005951217
0.956321587	0.936027917	0.750062697	0.998564943	0.958800407	0.764210072
0.750113511	0.96437401	0.622708561	0.998564943	0.958800407	0.662974826
0.557160339	0.864993799	0.575929512	0.998564943	0.958800407	0.400085893
0.759812502	0.979262844	0.746028934	0.998564943	0.958800407	0.928732891
0.773165448	0.989166608	0.964677037	0.998564943	0.958800407	0.935511724
0.910822459	0.936027917	0.870048017	0.998564943	0.977131616	0.73213045
0.568983845	0.989166608	0.922918235	0.998564943	0.958800407	0.87163294
0.087920802	0.416476726	0.891535862	0.998564943	0.958800407	0.061244223
0.800859876	0.343253261	0.965646613	0.998564943	0.690659208	0.091678082
0.814286941	0.084224101	0.783394171	0.593561596	0.690659208	0.099928592
0.886138337	0.936027917	0.895394962	0.998564943	0.989635197	0.754905895
0.928528674	0.995966097	0.977630113	0.998564943	0.958800407	0.905327897
0.806505045	0.993377651	0.895394962	0.998564943	0.976648196	0.93880157
0.956321587	0.936027917	0.622708561	0.998564943	0.958800407	0.878557505
0.859726693	0.989166608	0.964677037	0.998564943	0.990662915	0.690138155
0.078266319	0.607331754	0.538116833	0.998564943	0.958800407	0.061438398
0.894441823	0.543628409	0.817404155	0.998564943	0.958800407	0.485333533
0.224000445	0.663165855	0.779449749	0.998564943	0.958800407	0.259691516
0.260552647	0.43923385	0.9354499	0.998564943	0.995412843	0.130583164
0.597620473	0.365930395	0.870048017	0.998564943	0.958800407	0.690138155
0.732661067	0.957014627	0.922918235	0.998564943	0.958800407	0.63201423
0.146265315	0.936027917	0.964677037	0.998564943	0.977131616	0.87163294
0.859726693	0.920215699	0.817404155	0.998564943	0.958800407	0.96124964
0.904145187	0.920215699	0.779449749	0.998564943	0.97454307	0.299657932
0.146265315	0.99274666	0.922918235	0.998564943	0.958800407	0.79083213
0.087920802	0.20321364	0.361716548	0.998564943	0.856951177	0.270789966

0.512268275	0.936027917	0.500927972	0.998564943	0.958800407	0.618596507
0.482756791	0.936027917	0.750062697	0.998564943	0.989635197	0.742182729
0.944566468	0.933902875	0.575929512	0.998564943	0.958800407	0.384406299
0.146265315	0.424100781	0.845157693	0.998564943	0.989635197	0.194980902
0.346710159	0.933902875	0.839849514	0.998564943	0.958800407	0.656579969
0.19230271	0.34179499	0.575929512	0.998564943	0.958800407	0.690138155
0.37176644	0.936027917	0.816902736	0.998564943	0.958800407	0.742182729
0.869156403	0.651358367	0.779449749	0.998564943	0.958800407	0.061244223
0.146265315	0.016854069	0.703819234	0.998564943	0.96664569	0.074687804
0.872912841	0.957014627	0.964677037	0.998564943	0.97454307	0.894931427
0.858092424	0.868766273	0.976675373	0.998564943	0.958800407	0.249227349
0.510813955	0.389783577	0.922918235	0.998564943	0.958800407	0.149690971
0.346710159	0.936027917	0.622708561	0.998564943	0.837287681	0.876150787
0.568983845	0.277019842	0.845157693	0.998564943	0.958800407	0.832524002
0.910922291	0.936027917	0.834707177	0.998564943	0.97454307	0.455977556
0.597620473	0.109066758	0.703819234	0.998564943	0.97454307	0.074687804
0.326372439	0.084224101	0.387455036	0.998564943	0.97454307	0.058195477
0.014020314	0.296765185	0.750062697	0.998564943	0.977131616	0.131795576
0.146265315	0.543628409	0.839849514	0.998564943	0.958800407	0.598393919
0.773165448	0.936899869	0.652808812	0.998564943	0.958800407	0.742182729
0.346710159	0.940474875	0.622708561	0.998564943	0.958800407	0.814157722
0.532895096	0.651358367	0.622708561	0.998564943	0.958800407	0.742182729
0.510782109	0.936027917	0.963406102	0.998564943	0.97454307	0.366484176
0.98982978	0.598354639	0.471285717	0.998564943	0.958800407	0.79083213
0.075862053	0.598354639	0.965646613	0.998564943	0.97454307	0.124248324
0.773165448	0.780409268	0.845157693	0.998564943	0.958800407	0.627210123
0.495642096	0.936027917	0.746028934	0.998564943	0.690659208	0.56283984
0.673825839	0.780409268	0.500927972	0.998564943	0.97454307	0.713850863
0.886951766	0.868766273	0.837443955	0.998564943	0.958800407	0.742182729
0.482756791	0.920215699	0.575929512	0.998564943	0.958800407	0.157713407
0.568983845	0.936027917	0.895394962	0.998564943	0.958800407	0.565173995
0.806505045	0.784148598	0.641216846	0.998564943	0.958800407	0.974270427
0.308325787	0.389783577	0.891535862	0.998564943	0.958800407	0.194980902
0.895973219	0.084224101	0.922918235	0.998564943	0.958800407	0.099928592
0.164312859	0.87936368	0.575929512	0.998564943	0.884516454	0.431759814
0.710332238	0.936027917	0.575929512	0.998564943	0.958800407	0.690138155
0.587391648	0.920215699	0.663478935	0.998564943	0.97454307	0.905327897
0.668070945	0.910823398	0.82694187	0.998564943	0.958800407	0.781417189
0.944566468	0.936027917	0.870717854	0.998564943	0.995412843	0.272061837
0.568983845	0.936899869	0.783394171	0.998564943	0.958800407	0.357039028
0.668070945	0.784148598	0.964677037	0.998564943	0.958800407	0.724212735
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0.773165448	0.957014627	0.818947407	0.922608747	0.611951314	0.754905895
0.460092346	0.936027917	0.870048017	0.998564943	0.958800407	0.654226993
0.146265315	0.956239146	0.907649878	0.998564943	0.958800407	0.974270427
0.759812502	0.95090662	0.845157693	0.998564943	0.989635197	0.957626569
0.958589161	0.365930395	0.870048017	0.998564943	0.958800407	0.125034853
0.481567476	0.084224101	0.663478935	0.998564943	0.958800407	0.05156918
0.859726693	0.989166608	0.895394962	0.998564943	0.958800407	0.561926724
0.576053401	0.637576317	0.499032911	0.998564943	0.977131616	0.433287472

0.151970046	0.993377651	0.922918235	0.998564943	0.958800407	0.941623544
0.557160339	0.894396941	0.964677037	0.998564943	0.958800407	0.936457973
0.342417698	0.047875771	0.410012222	0.593561596	0.958800407	0.091678082
0.532895096	0.936027917	0.922918235	0.998564943	0.958800407	0.941623544
0.39537609	0.936027917	0.999438352	0.998564943	0.97454307	0.980989183
0.68500977	0.936027917	0.750062697	0.998564943	0.958800407	0.781417189
0.485861541	0.864993799	0.720011468	0.998564943	0.989635197	0.543175925
0.858092424	0.936027917	0.703819234	0.998564943	0.958800407	0.87163294
0.087920802	0.745716849	0.538116833	0.998564943	0.977131616	0.462781402
0.98982978	0.084224101	0.670650129	0.998564943	0.958800407	0.069001892
0.816963482	0.936027917	0.907649878	0.998564943	0.97454307	0.832524002
0.087920802	0.084224101	0.387455036	0.998564943	0.958800407	0.010811762
0.510813955	0.561141687	0.964677037	0.998564943	0.958800407	0.175640059
0.301737416	0.547591668	0.750062697	0.651374426	0.958800407	0.567199085
0.568983845	0.944100787	0.873854238	0.998564943	0.958800407	0.690138155
0.532496426	0.008242534	0.622708561	0.998564943	0.958800407	0.010811762
0.873435243	0.936027917	0.750062697	0.998564943	0.995412843	0.883284716
0.563277419	0.936027917	0.964677037	0.998564943	0.958800407	0.931014374
0.557160339	0.96437401	0.891535862	0.998564943	0.958800407	0.742182729
0.859726693	0.936027917	0.895394962	0.998564943	0.97454307	0.742182729
0.892935245	0.613393808	0.895394962	0.998564943	0.958800407	0.521495767
0.712462082	0.689977787	0.663478935	0.998564943	0.995412843	0.79083213
0.773165448	0.920215699	0.964677037	0.998564943	0.958800407	0.878557505
0.232114222	0.920215699	0.880343568	0.998564943	0.995412843	0.669976619
0.859726693	0.965475012	0.817404155	0.998564943	0.958800407	0.992534248
0.806808206	0.762557067	0.720011468	0.998564943	0.958800407	0.742182729
0.563277419	0.936027917	0.899002895	0.998564943	0.958800407	0.651608052
0.597620473	0.416476726	0.663478935	0.651374426	0.856951177	0.30392785
0.668070945	0.712319568	0.964677037	0.998564943	0.958800407	0.781417189
0.773165448	0.557526041	0.746028934	0.998564943	0.958800407	0.951397497
0.958906808	0.936027917	0.964677037	0.998564943	0.958800407	0.79083213
0.11525367	0.446932937	0.779449749	0.998564943	0.958800407	0.125034853
0.897513201	0.153346939	0.387455036	0.998564943	0.958800407	0.108180633
0.773165448	0.936027917	0.387455036	0.998564943	0.958800407	0.84500953
0.495642096	0.936027917	0.870048017	0.998564943	0.97454307	0.272103643
0.020043529	0.047875771	0.326213697	0.998564943	0.958800407	0.013915241
0.213239482	0.96437401	0.779449749	0.998564943	0.690659208	0.658771757
0.710332238	0.920215699	0.922918235	0.998564943	0.958800407	0.811053261
0.654771623	0.957014627	0.845157693	0.998564943	0.995412843	0.754905895
0.91571467	0.936027917	0.746028934	0.998564943	0.958800407	0.754905895
0.563277419	0.084224101	0.575929512	0.998564943	0.690659208	0.05156918
0.920065148	0.920215699	0.779449749	0.998564943	0.97454307	0.658771757
0.760232176	0.416476726	0.845157693	0.998564943	0.958800407	0.194980902
0.773165448	0.446932937	0.575929512	0.998564943	0.958800407	0.292106308
0.301737416	0.780409268	0.964677037	0.998564943	0.97454307	0.765705804
0.342417698	0.989471617	0.964677037	0.998564943	0.97454307	0.905327897
0.092249965	0.084224101	0.500927972	0.998564943	0.97454307	0.074687804
0.952439834	0.868766273	0.922918235	0.998564943	0.958800407	0.656579969
0.994844134	0.936027917	0.964677037	0.998564943	0.958800407	0.555994516
0.481567476	0.936027917	0.750062697	0.998564943	0.958800407	0.353037101

0.587391648	0.395817181	0.575929512	0.998564943	0.989635197	0.05156918
0.722916097	0.936899869	0.663478935	0.998564943	0.958800407	0.951397497
0.736620105	0.936027917	0.964677037	0.998564943	0.958800407	0.905327897
0.630614359	0.936027917	0.964677037	0.998564943	0.995412843	0.754905895
0.952439834	0.920215699	0.895394962	0.998564943	0.958800407	0.781417189
0.705274165	0.993377651	0.746028934	0.998564943	0.958800407	0.943969751
0.998346376	0.936899869	0.895394962	0.998564943	0.977131616	0.990635967
0.958906808	0.868766273	0.964677037	0.998564943	0.958800407	0.7615686
0.806505045	0.936027917	0.971626859	0.998564943	0.958800407	0.567199085
0.563277419	0.868766273	0.749856993	0.998564943	0.97454307	0.938161272
0.597620473	0.651358367	0.622708561	0.998564943	0.958800407	0.05156918
0.36044393	0.936027917	0.663478935	0.998564943	0.958800407	0.992534248
0.146265315	0.277019842	0.663478935	0.998564943	0.995412843	0.194980902
0.576053401	0.651358367	0.964677037	0.998564943	0.97454307	0.656579969
0.773165448	0.936027917	0.663478935	0.998564943	0.958800407	0.951397497
0.36044393	0.936027917	0.845157693	0.998564943	0.958800407	0.935511724
0.232114222	0.416476726	0.443226333	0.998564943	0.958800407	0.9300895
0.668070945	0.940474875	0.575929512	0.998564943	0.958800407	0.638140671
0.859726693	0.936027917	0.779449749	0.998564943	0.97454307	0.754905895
0.075862053	0.162596457	0.678138452	0.998564943	0.97454307	0.05156918
0.806505045	0.428288076	0.964677037	0.998564943	0.958800407	0.395017964
0.295801779	0.936027917	0.915072711	0.998564943	0.958800407	0.754905895
0.443802878	0.956239146	0.779449749	0.998564943	0.958800407	0.894133977
0.814286941	0.936027917	0.783394171	0.998564943	0.958800407	0.802043086
0.295801779	0.989166608	0.652808812	0.998564943	0.989635197	0.87163294
0.812755417	0.920215699	0.922918235	0.998564943	0.989635197	0.946032366
0.826670344	0.989166608	0.837443955	0.998564943	0.969377473	0.84500953
0.859726693	0.920215699	0.663478935	0.998564943	0.958800407	0.521495767
0.979559067	0.784148598	0.845157693	0.998564943	0.958800407	0.654226993
0.806808206	0.934692545	0.924226975	0.998564943	0.958800407	0.612814928
0.020043529	0.023620074	0.575929512	0.998564943	0.958800407	0.005951217
0.659634026	0.651358367	0.851570111	0.998564943	0.958800407	0.935511724
0.7640713	0.936027917	0.750062697	0.998564943	0.958800407	0.941159228
0.814286941	0.993377651	0.759051222	0.998564943	0.989635197	0.832524002
0.712462082	0.496977645	0.690833624	0.998564943	0.958800407	0.742182729
0.577101151	0.649791207	0.964677037	0.998564943	0.958800407	0.87163294
0.710332238	0.957014627	0.750062697	0.998564943	0.97454307	0.95680349
0.146265315	0.515290924	0.663478935	0.998564943	0.989635197	0.061438398
0.597747191	0.619899915	0.964677037	0.998564943	0.958800407	0.63201423
0.454443546	0.516118872	0.326213697	0.998564943	0.958800407	0.87163294
0.342417698	0.936027917	0.831919897	0.998564943	0.958800407	0.802043086
0.826670344	0.598354639	0.65419142	0.998564943	0.958800407	0.943111359
0.87466523	0.957014627	0.964677037	0.998564943	0.958800407	0.943417889
0.668070945	0.965475012	0.926661994	0.998564943	0.958800407	0.393300566
0.641739577	0.920215699	0.622708561	0.998564943	0.97454307	0.992534248
0.861715493	0.87936368	0.895394962	0.998564943	0.97454307	0.421000755
0.295801779	0.920215699	0.750062697	0.998564943	0.690659208	0.905327897
0.859726693	0.367681935	0.703546757	0.998702748	0.97454307	0.565117104
0.563277419	0.936027917	0.779449749	0.998564943	0.958800407	0.742182729
0.284798386	0.936027917	0.575929512	0.998564943	0.958800407	0.95680349

0.342417698	0.277019842	0.40600441	0.998564943	0.958800407	0.005951217
0.607393053	0.934125946	0.895394962	0.998564943	0.958800407	0.56283984
0.773165448	0.989166608	0.964677037	0.998564943	0.995412843	0.433287472
0.811691977	0.957014627	0.963406102	0.998564943	0.958800407	0.742182729
0.576053401	0.936027917	0.964677037	0.998564943	0.958800407	0.754905895
0.861715493	0.936899869	0.922918235	0.998564943	0.958800407	0.832524002
0.773165448	0.277019842	0.895394962	0.998564943	0.690659208	0.218018374
0.773165448	0.762557067	0.834707177	0.998564943	0.958800407	0.521495767
0.668070945	0.967686684	0.783394171	0.998564943	0.958800407	0.95680349
0.346710159	0.547591668	0.90251821	0.998564943	0.958800407	0.943417889
0.698409835	0.369624482	0.723668328	0.998564943	0.958800407	0.613363005
0.920065148	0.96437401	0.783394171	0.998564943	0.989635197	0.802038865
0.952439834	0.936027917	0.922918235	0.998564943	0.958800407	0.558212321
0.172064591	0.651358367	0.917291696	0.998564943	0.989635197	0.956160806
0.710332238	0.761615735	0.575929512	0.998564943	0.856951177	0.79083213
0.944566468	0.957014627	0.500927972	0.998564943	0.958800407	0.95680349
0.872912841	0.547591668	0.963406102	0.998564943	0.958800407	0.802038865
0.814286941	0.993377651	0.779449749	0.998564943	0.958800407	0.713850863
0.563277419	0.920215699	0.663478935	0.998564943	0.977131616	0.894931427
0.826670344	0.780409268	0.779449749	0.998564943	0.958800407	0.951397497
0.668070945	0.6788951	0.663478935	0.998564943	0.958800407	0.633300121
0.773165448	0.712319568	0.964677037	0.998564943	0.690659208	0.87163294
0.308325787	0.277019842	0.720011468	0.998564943	0.989635197	0.690138155
0.699493557	0.016854069	0.663478935	0.998564943	0.690659208	0.091678082
0.597620473	0.389783577	0.907649878	0.998564943	0.958800407	0.567199085
0.342417698	0.936027917	0.663478935	0.998564943	0.958800407	0.935511724
0.773165448	0.737590415	0.663478935	0.998564943	0.989635197	0.612814928
0.952946685	0.871586197	0.387455036	0.998564943	0.958800407	0.941159228
0.87466523	0.993377651	0.700287404	0.998564943	0.958800407	0.831975673
0.087920802	0.016854069	0.500927972	0.998564943	0.958800407	0.005951217
0.19230271	0.940474875	0.663478935	0.998564943	0.958800407	0.938161272
0.886138337	0.989166608	0.845157693	0.998564943	0.958800407	0.897596058
0.482756791	0.864993799	0.817404155	0.998564943	0.958800407	0.956160806
0.696551661	0.957014627	0.895394962	0.998564943	0.856951177	0.941623544
0.552852175	0.416476726	0.964677037	0.998564943	0.611951314	0.742182729
0.481567476	0.989166608	0.845157693	0.998564943	0.989635197	0.941623544
0.816963482	0.416476726	0.999438352	0.998564943	0.958800407	0.565173995
0.164312859	0.712319568	0.750062697	0.998564943	0.958800407	0.240914014
0.587391648	0.289603666	0.361716548	0.998564943	0.995412843	0.647747962
0.994844134	0.70783076	0.985618725	0.998564943	0.958800407	0.433287472
0.859726693	0.940474875	0.783394171	0.998564943	0.97454307	0.935511724
0.510813955	0.920215699	0.891535862	0.998564943	0.958800407	0.76224149
0.696551661	0.424100781	0.964677037	0.998564943	0.958800407	0.271074719
0.681661023	0.774544891	0.510642859	0.998564943	0.958800407	0.831975673
0.810623855	0.96437401	0.663478935	0.998564943	0.958800407	0.905327897
0.886951766	0.936027917	0.964677037	0.998564943	0.97454307	0.63201423
0.958906808	0.989166608	0.750062697	0.998564943	0.958800407	0.690138155
0.243112581	0.936027917	0.82263548	0.998564943	0.958800407	0.95680349
0.999361909	0.936027917	0.652808812	0.998564943	0.958800407	0.845689585
0.872407395	0.920215699	0.891535862	0.998564943	0.995412843	0.905327897

0.920065148	0.936899869	0.964677037	0.998564943	0.958800407	0.976202251
0.935804089	0.428288076	0.622708561	0.998564943	0.995412843	0.724212735
0.630614359	0.956239146	0.779449749	0.998564943	0.97454307	0.905327897
0.896358438	0.936027917	0.779449749	0.998564943	0.958800407	0.93880157
0.952439834	0.989166608	0.538116833	0.998564943	0.958800407	0.95680349
0.859726693	0.920215699	0.964677037	0.998564943	0.977131616	0.541884399
0.575045859	0.808604451	0.870048017	0.998564943	0.958800407	0.30392785
0.827917367	0.936027917	0.891535862	0.998564943	0.989635197	0.777421952
0.078266319	0.651358367	0.837443955	0.998564943	0.984737143	0.130583164
0.8047087	0.989166608	0.870048017	0.998564943	0.990662915	0.900630824
0.510813955	0.965475012	0.922918235	0.922608747	0.958800407	0.946618516
0.597620473	0.933902875	0.985618725	0.998564943	0.958800407	0.900630824
0.952439834	0.96437401	0.870048017	0.998564943	0.958800407	0.9300895
0.512268275	0.864993799	0.749856993	0.998564943	0.958800407	0.941623544
0.597620473	0.868766273	0.922918235	0.998564943	0.989635197	0.878557505
0.597620473	0.936027917	0.999438352	0.998564943	0.958800407	0.781417189
0.213239482	0.920215699	0.500927972	0.998564943	0.958800407	0.905327897
0.773165448	0.936027917	0.663478935	0.998564943	0.958800407	0.943417889
0.888954009	0.933902875	0.895394962	0.998564943	0.977131616	0.941159228
0.557160339	0.430605579	0.922918235	0.998564943	0.958800407	0.061244223
0.092249965	0.712319568	0.783394171	0.998564943	0.977131616	0.357288288
0.331540324	0.485685825	0.759051222	0.998564943	0.958800407	0.175640059
0.885305973	0.936027917	0.750062697	0.998564943	0.977131616	0.917278639
0.417631146	0.784148598	0.622708561	0.998564943	0.958800407	0.510521583
0.482756791	0.989166608	0.750062697	0.998564943	0.958800407	0.878557505
0.668070945	0.936027917	0.818947407	0.998564943	0.958800407	0.992534248
0.510813955	0.936027917	0.663478935	0.998564943	0.958800407	0.957626569
0.910822459	0.957014627	0.912217744	0.998564943	0.958800407	0.754905895
0.814286941	0.936027917	0.922918235	0.998564943	0.958800407	0.974270427
0.401791158	0.933902875	0.779449749	0.998564943	0.989635197	0.742182729
0.886138337	0.936027917	0.750062697	0.998564943	0.958800407	0.840389443
0.671573534	0.864993799	0.878093208	0.998564943	0.977131616	0.146134638
0.146265315	0.430605579	0.750062697	0.998564943	0.97454307	0.90414912
0.920065148	0.920215699	0.663478935	0.998564943	0.958800407	0.565173995
0.952439834	0.993377651	0.641216846	0.998564943	0.958800407	0.917278639
0.597620473	0.957014627	0.917291696	0.998564943	0.977131616	0.882925808
0.607393053	0.653871486	0.538116833	0.998564943	0.958800407	0.764210072
0.39537609	0.936027917	0.817404155	0.998564943	0.690659208	0.742182729
0.342417698	0.846296011	0.964677037	0.998564943	0.958800407	0.742182729
0.532557448	0.936027917	0.946894675	0.998564943	0.958800407	0.194980902
0.524622119	0.864993799	0.575929512	0.998564943	0.97454307	0.997725548
0.773165448	0.406464169	0.895394962	0.998564943	0.97454307	0.331870405
0.232114222	0.416476726	0.622708561	0.998564943	0.97454307	0.536711786
0.014020314	0.047875771	0.387455036	0.998564943	0.97454307	0.125034853
0.810623855	0.936027917	0.746028934	0.998564943	0.958800407	0.878557505
0.979559067	0.936027917	0.779449749	0.998564943	0.958800407	0.742182729
0.944566468	0.989166608	0.85046478	0.998564943	0.958800407	0.936824105
0.711613381	0.50429626	0.500927972	0.998564943	0.97454307	0.90414912
0.597620473	0.712319568	0.926661994	0.998564943	0.958800407	0.647747962
0.958906808	0.864993799	0.965646613	0.998564943	0.958800407	0.654226993

0.597620473	0.651358367	0.750062697	0.998564943	0.97454307	0.951397497
0.859726693	0.936027917	0.870048017	0.998564943	0.97454307	0.781417189
0.186662994	0.169931559	0.870048017	0.998564943	0.958800407	0.074687804
0.186662994	0.480896819	0.816902736	0.998564943	0.97454307	0.894133977
0.532533978	0.965475012	0.750062697	0.998564943	0.995412843	0.400085893
0.994105958	0.989166608	0.779449749	0.998564943	0.977131616	0.992534248
0.797511869	0.494448919	0.575929512	0.998564943	0.995412843	0.878557505
0.952439834	0.957014627	0.749856993	0.998564943	0.958800407	0.690138155
0.859726693	0.936027917	0.845157693	0.998564943	0.977131616	0.79083213
0.810623855	0.547591668	0.500927972	0.998564943	0.958800407	0.612814928
0.557160339	0.780409268	0.886913464	0.998564943	0.97454307	0.651608052
0.597620473	0.936027917	0.703819234	0.998564943	0.958800407	0.618435824
0.854726213	0.936027917	0.746028934	0.998564943	0.977131616	0.941623544
0.401791158	0.547591668	0.817404155	0.998564943	0.958800407	0.690138155
0.895973219	0.651358367	0.870048017	0.998564943	0.97454307	0.537863583
0.482756791	0.761615735	0.965646613	0.998564943	0.958800407	0.55853975
0.563277419	0.363787157	0.326213697	0.998564943	0.958800407	0.610776198
0.342417698	0.942562374	0.964677037	0.998564943	0.97454307	0.9300895
0.597620473	0.365930395	0.750062697	0.998564943	0.958800407	0.802043086
0.087920802	0.516118872	0.500927972	0.998564943	0.958800407	0.130583164
0.353121407	0.712319568	0.471285717	0.989745181	0.958800407	0.78227882
0.659634026	0.936027917	0.499032911	0.998564943	0.958800407	0.399087984
0.597620473	0.936027917	0.985618725	0.998564943	0.958800407	0.935511724
0.952439834	0.942562374	0.922918235	0.998564943	0.977131616	0.357288288
0.232114222	0.369624482	0.983686086	0.998564943	0.977131616	0.369373608
0.866053642	0.936027917	0.964677037	0.998564943	0.97454307	0.831975673
0.920065148	0.868766273	0.622708561	0.998564943	0.958800407	0.249227349
0.706842757	0.957014627	0.851570111	0.998564943	0.958800407	0.941623544
0.772729068	0.651358367	0.750062697	0.998564943	0.969377473	0.272103643
0.659634026	0.989166608	0.720011468	0.998564943	0.958800407	0.946618516
0.557160339	0.993377651	0.750062697	0.998564943	0.989635197	0.742182729
0.68196006	0.988991625	0.750062697	0.998564943	0.97454307	0.781417189
0.952439834	0.685240384	0.964677037	0.998564943	0.958800407	0.241076408
0.859726693	0.940474875	0.90844524	0.998564943	0.958800407	0.9300895
0.886138337	0.703991373	0.845157693	0.998564943	0.958800407	0.992534248
0.895247021	0.868766273	0.870048017	0.998564943	0.958800407	0.905327897
0.243112581	0.95090662	0.964677037	0.998564943	0.611951314	0.90414912
0.075862053	0.081523201	0.361716548	0.998564943	0.97454307	0.061244223
0.200156089	0.864993799	0.510642859	0.998564943	0.958800407	0.240914014
0.36044393	0.162596457	0.622708561	0.651374426	0.958800407	0.048381126
0.668070945	0.712319568	0.964677037	0.998564943	0.958800407	0.690138155
0.308325787	0.084224101	0.663478935	0.998564943	0.958800407	0.240914014
0.243112581	0.416476726	0.746028934	0.998564943	0.958800407	0.259691516
0.886138337	0.511953843	0.926661994	0.998564943	0.977131616	0.259551566
0.576053401	0.920215699	0.783394171	0.998564943	0.97454307	0.983387171
0.68325144	0.920215699	0.851570111	0.998564943	0.995412843	0.251543002
0.563277419	0.936027917	0.575929512	0.998564943	0.958800407	0.943417889
0.570734774	0.084224101	0.43272634	0.998564943	0.977131616	0.175640059
0.563277419	0.956239146	0.965646613	0.998564943	0.97454307	0.9300895
0.952439834	0.993377651	0.845157693	0.998564943	0.97454307	0.754905895

0.824702517	0.47577458	0.779449749	0.998564943	0.977131616	0.175640059
0.213239482	0.084224101	0.471285717	0.998564943	0.958800407	0.05156918
0.877130483	0.936027917	0.817404155	0.998564943	0.958800407	0.941159228
0.014020314	0.081523201	0.387455036	0.998564943	0.958800407	0.013915241
0.172064591	0.084224101	0.746028934	0.998564943	0.958800407	0.099928592
0.510813955	0.933902875	0.538116833	0.998564943	0.958800407	0.393300566
0.454443546	0.950828748	0.895394962	0.998564943	0.958800407	0.723159674
0.29065912	0.936027917	0.872069782	0.998564943	0.958800407	0.93880157
0.773165448	0.430605579	0.622708561	0.998564943	0.958800407	0.873101185
0.773165448	0.989166608	0.750062697	0.998564943	0.977131616	0.558212321
0.811691977	0.712319568	0.922918235	0.998564943	0.977131616	0.363075536
0.346710159	0.993377651	0.817404155	0.998564943	0.97454307	0.764210072
0.7640713	0.940474875	0.837443955	0.998564943	0.958800407	0.742182729
0.482756791	0.651358367	0.964677037	0.998564943	0.989635197	0.627210123
0.345496233	0.430605579	0.965646613	0.998564943	0.977131616	0.131795576
0.873435243	0.989166608	0.964677037	0.998564943	0.958800407	0.802043086
0.944566468	0.936027917	0.622708561	0.998564943	0.995412843	0.840389443
0.780340065	0.547591668	0.387455036	0.998564943	0.977131616	0.946618516
0.944566468	0.936027917	0.819103168	0.998564943	0.958800407	0.840389443
0.749237521	0.651358367	0.783394171	0.998564943	0.958800407	0.974270427
0.806808206	0.936027917	0.697488856	0.593561596	0.958800407	0.737471544
0.91571467	0.936027917	0.895394962	0.998564943	0.958800407	0.831975673
0.436492759	0.126448039	0.663478935	0.998564943	0.958800407	0.131795576
0.869156403	0.649791207	0.663478935	0.998564943	0.958800407	0.802043086
0.952439834	0.913295359	0.873854238	0.998564943	0.97454307	0.87163294
0.495642096	0.920215699	0.663478935	0.998564943	0.969377473	0.507138109
0.020043529	0.365930395	0.387455036	0.998564943	0.971201466	0.099928592
0.944566468	0.936027917	0.783394171	0.998564943	0.958800407	0.561926724
0.910922291	0.365930395	0.873854238	0.998564943	0.958800407	0.099928592
0.482756791	0.879761042	0.779449749	0.998564943	0.958800407	0.802043086
0.806505045	0.412093146	0.964677037	0.998564943	0.958800407	0.061244223
0.948497033	0.864993799	0.890971678	0.998564943	0.958800407	0.900630824
0.668070945	0.361812201	0.663478935	0.998564943	0.958800407	0.062153481
0.576053401	0.936027917	0.964677037	0.998564943	0.984737143	0.742182729
0.886138337	0.864993799	0.361716548	0.998564943	0.995412843	0.690138155
0.284798386	0.232861392	0.965646613	0.998564943	0.958800407	0.125034853
0.827917367	0.697344186	0.964677037	0.998564943	0.958800407	0.24000386
0.510813955	0.936027917	0.663478935	0.998564943	0.958800407	0.590507502
0.568983845	0.957014627	0.819103168	0.998564943	0.958800407	0.93880157
0.146265315	0.008242534	0.326213697	0.998564943	0.958800407	0.005951217
0.587391648	0.989166608	0.922918235	0.998564943	0.958800407	0.831975673
0.924300846	0.920215699	0.946894675	0.998564943	0.958800407	0.79083213

IL1b p-adjust	IL23 p-adjust	IL6 p-adjust	IL8 p-adjust	MMP13 p-adjust	MyC p-adjust
0.004002399	0.019954023	0.005786869	3.37E-05	0.025843699	0.120478259
0.907750616	0.803911578	0.939098156	0.968507838	0.944340168	0.95760072
0.551087941	0.164488908	0.80322183	0.262361238	0.686337577	0.878920006
0.759034678	0.855458003	0.971783285	0.756904524	0.62399968	0.928452686
0.781786997	0.663205726	0.787970132	0.797717499	0.878885223	0.878920006
0.933271481	0.978328757	0.452806088	0.52567292	0.840512368	0.930225561
0.642758457	0.440209336	0.423330377	0.635105205	0.62399968	0.711384951
0.94357166	0.887133035	0.83637367	0.596428448	0.658245428	0.930225561
0.566214195	0.289354079	0.338191648	0.105569624	0.376027225	0.899602971
0.2300274	0.109612755	0.122014643	0.145748911	0.478696799	0.238258939
0.901344264	0.582672382	0.997013858	0.851029927	0.993264823	0.995025889
0.1209327	0.080784281	0.077707103	0.008086101	0.078950715	0.711384951
0.566214195	0.306296193	0.86051245	0.235592809	0.563975854	0.930225561
0.94357166	0.818511604	0.751439383	0.922931937	0.89265386	0.992433201
0.861073234	0.853136396	0.514593405	0.297471282	0.438124514	0.807800082
0.907750616	0.943857404	0.619251786	0.851029927	0.968806146	0.925337163
0.720901856	0.928477427	0.971783285	0.952889583	0.896921194	0.878920006
0.566214195	0.850140623	0.917932455	0.733196141	0.753474679	0.807800082
0.954998182	0.776063591	0.971783285	0.976012712	0.738561069	0.98395405
0.933271481	0.980134791	0.992066527	0.976012712	0.869972529	0.949915169
0.344296319	0.208765231	0.423330377	0.105569624	0.237593824	0.878920006
0.933271481	0.953648052	0.971783285	0.952730115	0.968806146	0.963409387
0.930351095	0.803911578	0.83637367	0.766392085	0.989142228	0.960431202
0.615872202	0.60621937	0.454085584	0.206310389	0.287205331	0.899602971
0.966111523	0.980134791	0.977998281	0.848945659	0.89265386	0.964305408
0.759034678	0.959275233	0.86142373	0.952730115	0.944340168	0.991895791
0.836601826	0.802545352	0.971783285	0.982400734	0.89265386	0.705953023
0.954998182	0.97415479	0.977998281	0.797717499	0.760976574	0.930225561
0.140078904	0.408672947	0.151781306	0.053848782	0.216432873	0.522844981
0.302592406	0.406021032	0.745282093	0.287949894	0.569964194	0.309961788
0.302592406	0.127543622	0.216090689	0.13322256	0.207957396	0.238258939
0.551566193	0.855458003	0.67291716	0.734845795	0.883434988	0.930225561
0.870819569	0.955809146	0.992066527	0.797717499	0.968806146	0.981525768
0.954998182	0.855458003	0.971783285	0.952730115	0.871863465	0.995025889
0.802386534	0.730879713	0.884771743	0.778226586	0.989142228	0.878920006
0.954998182	0.959275233	0.971783285	0.952730115	0.91227234	0.878920006
0.440960872	0.109612755	0.477936233	0.039810597	0.349073747	0.928452686
0.596613893	0.887762591	0.619251786	0.388619136	0.184727655	0.612808349
0.802386534	0.475019442	0.436196387	0.113814659	0.210649153	0.930225561
0.549493645	0.100816509	0.34873566	0.105569624	0.422200007	0.76836051
0.55545869	0.798229605	0.751439383	0.378306808	0.62399968	0.519259675
0.720901856	0.955809146	0.839635011	0.987783408	0.993263318	0.973327929
0.907750616	0.980134791	0.971783285	0.801390296	0.930284596	0.910759001
0.921274028	0.871185012	0.971783285	0.766392085	0.631474323	0.878920006
0.838303328	0.500754	0.789020709	0.766392085	0.869972529	0.98395405
0.954998182	0.865585199	0.985802282	0.766392085	0.944340168	0.949915169
0.55545869	0.283002587	0.34873566	0.195534736	0.878885223	0.773495143

0.942214109	0.724188661	0.86142373	0.801390296	0.997860737	0.885652104
0.615872202	0.989435845	0.745282093	0.54559171	0.89265386	0.878920006
0.94357166	0.955809146	0.971783285	0.950204903	0.89265386	0.983455862
0.623681792	0.261655482	0.656108732	0.189472254	0.438124514	0.705953023
0.94357166	0.959275233	0.977998281	0.766392085	0.935701589	0.893947982
0.344296319	0.331164071	0.423330377	0.197758003	0.339871526	0.38289739
0.876913846	0.725064377	0.971783285	0.447242301	0.878885223	0.995025889
0.640040602	0.466233699	0.484487786	0.447242301	0.62399968	0.98395405
0.015533454	0.208765231	0.077707103	0.00326141	0.078950715	0.083264924
0.623588112	0.663514661	0.992066527	0.952730115	0.993263318	0.964305408
0.907750616	0.446235772	0.673811487	0.603003238	0.464095297	0.899602971
0.140078904	0.127543622	0.385231897	0.072230782	0.402819162	0.569974929
0.585200584	0.574196611	0.56584382	0.235592809	0.438124514	0.964305408
0.339818572	0.612076135	0.380645324	0.287949894	0.685795676	0.38289739
0.838303328	0.980134791	0.865330462	0.766392085	0.993264823	0.995025889
0.302592406	0.068166691	0.253517133	0.070058202	0.207957396	0.744097883
0.072783715	0.100816509	0.247357069	0.006050573	0.13364022	0.406215889
0.170125489	0.098646155	0.09528416	0.022504566	0.422200007	0.563946349
0.563237518	0.561926529	0.470912687	0.285465692	0.689436969	0.945789805
0.907750616	0.668338646	0.832563559	0.659825665	0.793578183	0.964305408
0.933784814	0.865585199	0.95929984	0.84490555	0.840512368	0.949915169
0.55545869	0.182413779	0.773093237	0.527245487	0.944340168	0.808861211
0.978850523	0.993836118	0.717383292	0.513165995	0.62399968	0.930225561
0.59736879	0.802545352	0.122014643	0.410909211	0.440833386	0.884405884
0.365964771	0.681923458	0.576011971	0.297471282	0.648762044	0.777500569
0.657913165	0.980134791	0.992066527	0.982400734	0.925165119	0.711384951
0.737320498	0.269717547	0.620738596	0.297576842	0.62399968	0.95760072
0.623588112	0.980134791	0.992066527	0.815898124	0.924878977	0.705953023
0.831520522	0.955809146	0.86142373	0.766392085	0.875212948	0.743528663
0.623681792	0.323351332	0.826045415	0.287949894	0.62399968	0.930225561
0.640040602	0.187655705	0.830442722	0.399870169	0.968806146	0.928452686
0.522280061	0.518246923	0.785373518	0.572817086	0.541762344	0.808861211
0.07742425	0.379523786	0.234879371	0.044973856	0.312249207	0.563946349
0.102709725	0.127543622	0.197786157	0.233492512	0.226797184	0.149657328
0.831520522	0.323299582	0.534706464	0.183845508	0.210649153	0.973327929
0.737320498	0.745771201	0.971783285	0.766392085	0.821838864	0.808861211
0.695119426	0.980134791	0.977998281	0.952730115	0.986584915	0.878920006
0.680685079	0.787390234	0.570452019	0.52567292	0.51593102	0.808861211
0.716451396	0.273269278	0.884771743	0.705297373	0.753474679	0.930225561
0.927439083	0.379523786	0.971783285	0.976012712	0.923809594	0.957108795
0.831520522	0.644698247	0.745282093	0.539620232	0.924878977	0.878920006
0.679157554	0.959275233	0.820942709	0.440806812	0.569964194	0.930225561
0.94357166	0.698250663	0.773093237	0.513165995	0.850559168	0.930225561
0.643488125	0.898569158	0.888363784	0.513165995	0.753474679	0.928452686
0.831520522	0.898569158	0.971783285	0.920577145	0.935591443	0.957108795
0.941571978	0.959275233	0.785373518	0.952889583	0.783242291	0.878920006
0.365964771	0.560561063	0.151781306	0.197758003	0.561940354	0.878920006
0.140078904	0.056927048	0.151781306	0.044973856	0.464095297	0.569974929
0.978850523	0.990595412	0.941406373	0.952730115	0.896921194	0.995025889
0.246348537	0.127543622	0.380645324	0.111401008	0.171865791	0.722882576

0.94357166	0.959275233	0.971783285	0.659825665	0.993263318	0.973327929
0.920583022	0.681923458	0.83637367	0.968481878	0.944340168	0.743528663
0.1209327	0.068166691	0.077707103	0.007029242	0.102588177	0.401491038
0.831520522	0.978328757	0.936936205	0.851029927	0.935701589	0.878920006
0.732147157	0.924558119	0.745282093	0.635105205	0.896921194	0.973327929
0.615872202	0.578035978	0.423330377	0.539596709	0.710174321	0.930225561
0.623681792	0.205488824	0.454085584	0.239397382	0.89265386	0.832621525
0.954998182	0.681923458	0.992066527	0.988881677	0.72539983	0.950978705
0.968143872	0.425737833	0.472595345	0.215508344	0.860268544	0.97226394
0.122984085	0.152891401	0.40383412	0.197758003	0.210649153	0.401491038
0.642758457	0.959275233	0.830442722	0.766527206	0.660374756	0.808861211
0.140078904	0.018431987	0.077707103	0.007171732	0.287205331	0.406215889
0.55545869	0.361318208	0.689677871	0.44616342	0.422200007	0.807800082
0.643488125	0.379523786	0.773093237	0.345559332	0.391993508	0.878920006
0.94357166	0.980134791	0.907224741	0.659825665	0.993498593	0.928452686
0.004508566	0.017362671	0.03781594	0.002093513	0.026542217	0.116966988
0.759034678	0.750391746	0.992066527	0.952889583	0.896921194	0.884405884
0.933798575	0.920400791	0.971783285	0.734845795	0.840512368	0.87991069
0.966111523	0.694011031	0.935246176	0.927769518	0.89265386	0.964305408
0.9400139	0.948660774	0.826569658	0.864175185	0.874282233	0.983985657
0.344296319	0.698250663	0.365645524	0.387751823	0.670658153	0.777500569
0.55545869	0.674331523	0.79589457	0.380871334	0.534678489	0.995025889
0.566214195	0.818511604	0.971783285	0.952889583	0.89265386	0.773495143
0.876913846	0.681932552	0.469687857	0.486972553	0.799278147	0.878920006
0.731273989	0.753253599	0.992066527	0.874408725	0.850559168	0.98395405
0.94357166	0.980134791	0.974869886	0.766392085	0.840512368	0.878920006
0.933271481	0.97770284	0.971783285	0.954564361	0.878885223	0.979480926
0.440960872	0.423300672	0.34873566	0.295321773	0.710736123	0.602336189
0.643488125	0.612076135	0.802146972	0.756904524	0.685795676	0.530076117
0.253591777	0.507885619	0.750236621	0.486972553	0.993264823	0.661698791
0.643488125	0.980134791	0.977998281	0.952730115	0.856125897	0.773495143
0.551566193	0.127543622	0.151781306	0.189472254	0.534977038	0.729814777
0.102709725	0.109612755	0.122014643	0.013217613	0.13364022	0.612808349
0.440960872	0.590341673	0.560062812	0.287949894	0.640728127	0.930225561
0.933271481	0.694011031	0.773093237	0.851029927	0.62399968	0.98395405
0.01639228	0.068166691	0.052134394	0.000185396	0.073741876	0.238258939
0.94357166	0.731812215	0.785373518	0.434572981	0.644537981	0.930225561
0.563237518	0.652006104	0.992066527	0.797717499	0.997860737	0.686289142
0.933798575	0.980134791	0.971783285	0.93487507	0.925165119	0.928452686
0.933798575	0.955809146	0.971783285	0.93487507	0.71515042	0.899602971
0.031448561	0.068166691	0.052134394	0.009502817	0.287205331	0.070960837
0.921274028	0.916787964	0.971783285	0.922931937	0.710736123	0.964305408
0.566214195	0.383347791	0.55413299	0.352961181	0.391993508	0.522844981
0.55663948	0.202091416	0.469687857	0.281322813	0.391724985	0.615215961
0.788247089	0.989435845	0.992066527	0.756904524	0.944340168	0.930225561
0.978850523	0.959275233	0.971783285	0.985611675	0.840512368	0.957108795
0.140078904	0.1268165	0.099080314	0.006462128	0.171865791	0.80605566
0.876913846	0.959275233	0.936936205	0.656158498	0.799278147	0.930225561
0.901344264	0.475019442	0.971783285	0.756904524	0.753474679	0.957108795
0.876913846	0.803911578	0.971783285	0.766527206	0.658245428	0.930084284

0.388446399	0.164488908	0.619251786	0.257798239	0.464095297	0.878920006
0.686248664	0.776063591	0.977998281	0.922931937	0.753474679	0.878920006
0.876913846	0.802545352	0.86051245	0.766527206	0.438124514	0.992433201
0.966111523	0.955809146	0.789020709	0.758416931	0.935591443	0.846903148
0.651200475	0.855458003	0.907224741	0.952730115	0.968964879	0.878920006
0.933271481	0.980134791	0.95929984	0.797717499	0.993263318	0.98395405
0.876913846	0.72464388	0.977998281	0.952730115	0.840512368	0.930225561
0.901344264	0.89732408	0.486386433	0.766392085	0.935701589	0.981525768
0.954998182	0.652006104	0.971783285	0.988881677	0.72539983	0.878920006
0.566214195	0.980134791	0.907224741	0.490328284	0.658245428	0.930225561
0.640040602	0.181602715	0.472595345	0.308525884	0.391993508	0.930225561
0.954998182	0.850140623	0.773093237	0.766392085	0.952986718	0.930225561
0.1209327	0.181602715	0.158691646	0.071119	0.478696799	0.401491038
0.440960872	0.855458003	0.971783285	0.665017754	0.62399968	0.675974535
0.519486071	0.445723109	0.566612337	0.297576842	0.896921194	0.996156113
0.933271481	0.920400791	0.566612337	0.572817086	0.993263318	0.930225561
0.643488125	0.127543622	0.193750495	0.072026835	0.13364022	0.878920006
0.802386534	0.840377827	0.935246176	0.952730115	0.928836833	0.878920006
0.947684269	0.955809146	0.971783285	0.976012712	0.896921194	0.992433201
0.111005488	0.08178444	0.122014643	0.007029242	0.078950715	0.538278885
0.302592406	0.127543622	0.454085584	0.352961181	0.62399968	0.711384951
0.876913846	0.818511604	0.612644221	0.513165995	0.686337577	0.964305408
0.978850523	0.989435845	0.971783285	0.952730115	0.944340168	0.981525768
0.831520522	0.855458003	0.40383412	0.539596709	0.526680278	0.837402414
0.94357166	0.991034231	0.977998281	0.994737746	0.95925107	0.930225561
0.642758457	0.798229605	0.688888918	0.486972553	0.799278147	0.742008473
0.954998182	0.978328757	0.589962767	0.787563896	0.658245428	0.957108795
0.933271481	0.980134791	0.967696894	0.975157185	0.989142228	0.930084284
0.94357166	0.803911578	0.971783285	0.982400734	0.71515042	0.95760072
0.94357166	0.371053933	0.977998281	0.952889583	0.968806146	0.878920006
0.004066926	0.098646155	0.028796558	0.000135311	0.078950715	0.174215341
0.642758457	0.980134791	0.6962388	0.801390296	0.563975854	0.878920006
0.94357166	0.980134791	0.971783285	0.952730115	0.864519832	0.964305408
0.94357166	0.959275233	0.86142373	0.952889583	0.993263318	0.964305408
0.344296319	0.593562703	0.454085584	0.273324376	0.681692588	0.578829596
0.94357166	0.433245126	0.566612337	0.659825665	0.944340168	0.930225561
0.966111523	0.933486376	0.566612337	0.766392085	0.997860737	0.95760072
0.365964771	0.1268165	0.570452019	0.145748911	0.464095297	0.878920006
0.566214195	0.989435845	0.534706464	0.653948583	0.534678489	0.834165932
0.283312868	0.243006778	0.423330377	0.168411312	0.576878616	0.538278885
0.901344264	0.425737833	0.971783285	0.84558858	0.686337577	0.878920006
0.841116807	0.802545352	0.619251786	0.381941087	0.869972529	0.930225561
0.907750616	0.89732408	0.971783285	0.766392085	0.840512368	0.969763265
0.95170145	0.865462251	0.939098156	0.766527206	0.935701589	0.950978705
0.766215056	0.959275233	0.802403999	0.486972553	0.464095297	0.930225561
0.933271481	0.978328757	0.992066527	0.952889583	0.972929471	0.808861211
0.94357166	0.916787964	0.95929984	0.756904524	0.935701589	0.878920006
0.339818572	0.593562703	0.411487311	0.287949894	0.287205331	0.602336189
0.599191482	0.980134791	0.86142373	0.923749485	0.935701589	0.930225561
0.365964771	0.681923458	0.87838179	0.233492512	0.438124514	0.878920006

0.140078904	0.127543622	0.247357069	0.035757087	0.210649153	0.675974535
0.94357166	0.980134791	0.868489483	0.952889583	0.631474323	0.978228392
0.821575465	0.776063591	0.992066527	0.97334139	0.968806146	0.995025889
0.94357166	0.955809146	0.992066527	0.982400734	1	0.808861211
0.615002857	0.978328757	0.971783285	0.993914959	0.869972529	0.807800082
0.876913846	0.959275233	0.971783285	0.86997165	0.89942764	0.878920006
0.302592406	0.127543622	0.122014643	0.211865669	0.681692588	0.575688434
0.657913165	0.959275233	0.802146972	0.951883457	0.993264823	0.711384951
0.907750616	0.990595412	0.971783285	0.922931937	0.930284596	0.930225561
0.720901856	0.353867446	0.566612337	0.287949894	0.13364022	0.777500569
0.954998182	0.980134791	0.635106048	0.583756892	0.753474679	0.878920006
0.759034678	0.698250663	0.895104824	0.778226586	0.935701589	0.95760072
0.94357166	0.920400791	0.936936205	0.952889583	0.738561069	0.878920006
0.642758457	0.916787964	0.123270438	0.283917422	0.526680278	0.773495143
0.651200475	0.802545352	0.971783285	0.922931937	0.89265386	0.773495143
0.651200475	0.980134791	0.86051245	0.63224537	0.773966108	0.945789805
0.599191482	0.959275233	0.917932455	0.734845795	0.72539983	0.578829596
0.94357166	0.948660774	0.971783285	0.976012712	0.753474679	0.960431202
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0.724083605	0.959275233	0.566612337	0.874408725	0.997860737	0.569974929
0.523882917	0.425737833	0.423330377	0.423103317	0.790165008	0.878920006
0.504301863	0.724188661	0.439310147	0.571477231	0.840512368	0.713676291
0.2300274	0.440209336	0.439310147	0.189472254	0.423008832	0.309961788
0.004066926	0.162452233	0.122014643	0.034835211	0.13364022	0.067926798
0.643488125	0.959275233	0.619251786	0.635105205	0.62399968	0.409606383
0.966111523	0.955809146	0.907224741	0.952730115	0.993263318	0.899602971
0.831520522	0.433976303	0.977998281	0.802873733	0.367529885	0.808861211
0.642758457	0.507885619	0.765825487	0.603003238	0.944340168	0.964305408
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0.004199712	0.003566828	0.011163613	0.000204191	0.094547399	0.070960837
0.924325555	0.990595412	0.820942709	0.407991061	0.930284596	0.995025889
0.694771213	0.959275233	0.992066527	0.766392085	0.896921194	0.964305408
0.496414657	0.979784901	0.570452019	0.388619136	0.896921194	0.878920006
0.90783088	0.955809146	0.907224741	0.901054948	0.799278147	0.930225561
0.546855225	0.415070477	0.689677871	0.63224537	0.89265386	0.401491038
0.831520522	0.932830811	0.977998281	0.574217587	0.876597477	0.969763265
0.838303328	0.920400791	0.792747444	0.659825665	0.968964879	0.615215961
0.566214195	0.1268165	0.185963544	0.105569624	0.339871526	0.887426364
0.210998716	0.191096641	0.273013099	0.034992683	0.210649153	0.612808349
0.59736879	0.681923458	0.977998281	0.766392085	0.878885223	0.773495143
0.59736879	0.855458003	0.751479258	0.410909211	0.887707858	0.949915169
0.566214195	0.694011031	0.971783285	0.952889583	0.62399968	0.711384951
0.933271481	0.980134791	0.735722263	0.766392085	0.840512368	0.928452686
0.551566193	0.705996967	0.935246176	0.515491929	0.760976574	0.777500569
0.876913846	0.978328757	0.992066527	0.777668866	0.753474679	0.930225561
0.836601826	0.328541305	0.971783285	0.846838162	0.896921194	0.964305408
0.921274028	0.959275233	0.971783285	0.991095842	0.878885223	0.934247925
0.552872618	0.959275233	0.854008677	0.387751823	0.685795676	0.930225561
0.907750616	0.850140623	0.936936205	0.994737746	0.944340168	0.964305408
0.712454243	0.980134791	0.570452019	0.486972553	0.91508245	0.973327929

0.978850523	0.955809146	0.935246176	0.926215133	0.968806146	0.95760072
0.2300274	0.425983838	0.303669241	0.105569624	0.093648123	0.401491038
0.997527586	0.980134791	0.980308137	0.758416931	0.62399968	0.930225561
0.643488125	0.657427096	0.971783285	0.437909045	0.840512368	0.930225561
0.933271481	0.865669202	0.977998281	0.994737746	0.990087277	0.878920006
0.978850523	0.989501846	0.971783285	0.952730115	0.928836833	0.949915169
0.695119426	0.572906491	0.74835857	0.633173477	0.569964194	0.705953023
0.836601826	0.980134791	0.560062812	0.52630498	0.31608862	0.97226394
0.596505961	0.269717547	0.658199852	0.083368798	0.295721392	0.930225561
0.94357166	0.955809146	0.935246176	0.948696347	0.958570791	0.928452686
0.831520522	0.959275233	0.619251786	0.567567001	0.62399968	0.98395405
0.876913846	0.887133035	0.832563559	0.734002548	0.993263318	0.95441327
0.996411233	0.959275233	0.992066527	0.716425252	0.503736449	0.964305408
0.574664358	0.694011031	0.971783285	0.539596709	0.686337577	0.743528663
0.574664358	0.289354079	0.997013858	0.851029927	0.671959872	0.582035516
0.94357166	0.979784901	0.86142373	0.766392085	0.799278147	0.930225561
0.862857201	0.79286311	0.971783285	0.616575167	0.852290871	0.930225561
0.831520522	0.990595412	0.971783285	0.797717499	0.887707858	0.992433201
0.596613893	0.724188661	0.935246176	0.756904524	0.629852217	0.930225561
0.433055418	0.181602715	0.423330377	0.378306808	0.62399968	0.846903148
0.954998182	0.776063591	0.935246176	0.415667646	0.569964194	0.998373509
0.566214195	0.187215263	0.197786157	0.072026835	0.267819152	0.945789805
0.612706243	0.802545352	0.751479258	0.888611344	0.989091199	0.95760072
0.596613893	0.325306067	0.859831881	0.388619136	0.534678489	0.731286292
0.930351095	0.93325481	0.560062812	0.453342788	0.658245428	0.887426364
0.933271481	0.991034231	0.992066527	0.976012712	0.95925107	0.964305408
0.901344264	0.660810467	0.971783285	0.815898124	0.760976574	0.878920006
0.907750616	0.289354079	0.971783285	0.93487507	0.976256544	0.964305408
0.933271481	0.959275233	0.741495135	0.596428448	0.534977038	0.964305408
0.566214195	0.499619504	0.477936233	0.211865669	0.557527133	0.964305408
0.861073234	0.615530631	0.992066527	0.922931937	0.885601489	0.930225561
0.577936968	0.273122732	0.635106048	0.578014307	0.391993508	0.978228392
0.164127002	0.283002587	0.941406373	0.262804575	0.620598678	0.401491038
0.55663948	0.865585199	0.971783285	0.395671897	0.62399968	0.973327929
0.907750616	0.978328757	0.619251786	0.574217587	0.681692588	0.94042522
0.836601826	0.980134791	0.971783285	0.92414273	0.875212948	0.992433201
0.679157554	0.568129743	0.589962767	0.287949894	0.62399968	0.929471941
0.680685079	0.423300672	0.917932455	0.295321773	0.438124514	0.98395405
0.759034678	0.980134791	0.398479306	0.731369184	0.819517322	0.878920006
0.996411233	0.776063591	0.745282093	0.578014307	0.66548675	0.945789805
0.615872202	0.550614114	0.67291716	0.306991303	0.631474323	0.887426364
0.55545869	0.521885962	0.619251786	0.285465692	0.438124514	0.661698791
0.643488125	0.160241113	0.423330377	0.233492512	0.62399968	0.885652104
0.004002399	0.1268165	0.009652048	7.08E-05	0.094547399	0.38289739
0.80958758	0.963796978	0.86051245	0.976012712	0.935701589	0.878920006
0.907750616	0.732926451	0.908476752	0.922931937	0.799278147	0.957108795
0.736229608	0.978328757	0.789020709	0.633173477	0.799278147	0.969763265
0.546855225	0.127543622	0.454085584	0.195534736	0.534678489	0.773495143
0.59736879	0.768307131	0.86142373	0.440806812	0.885981964	0.705953023
0.739288426	0.776063591	0.95929984	0.982400734	0.935701589	0.711384951

0.552872618	0.802545352	0.635106048	0.319837184	0.464095297	0.808861211
0.59736879	0.289354079	0.860742214	0.920577145	0.84628712	0.887426364
0.2300274	0.132029765	0.454085584	0.105569624	0.438124514	0.756214456
0.577936968	0.412876229	0.470912687	0.297471282	0.631474323	0.575688434
0.954998182	0.955809146	0.992066527	0.758416931	0.944340168	0.973327929
0.94357166	0.959275233	0.773093237	0.952730115	0.896921194	0.995025889
0.140078904	0.379523786	0.470912687	0.189472254	0.656719386	0.479610431
0.94357166	0.980134791	0.971783285	0.766392085	0.921511644	0.930225561
0.954998182	0.818158428	0.941406373	0.994737746	0.935701589	0.884405884
0.560610771	0.492402755	0.570452019	0.52567292	0.557527133	0.878920006
0.695119426	0.569208945	0.570452019	0.388619136	0.710174321	0.788628927
0.907750616	0.959275233	0.935246176	0.766527206	0.89265386	0.878920006
0.80958758	0.980134791	0.86142373	0.982400734	0.935701589	0.87991069
0.642758457	0.796869822	0.927132629	0.429217909	0.660374756	0.773495143
0.599191482	0.451755165	0.992066527	0.734845795	0.658245428	0.808861211
0.954998182	0.852338963	0.977998281	0.912509609	0.685795676	0.898273168
0.283312868	0.126886084	0.566612337	0.063940712	0.556553144	0.602336189
0.978850523	0.60678103	0.977998281	0.815898124	0.896921194	0.930225561
0.651200475	0.855458003	0.750090666	0.758416931	0.98549184	0.409606383
0.320879297	0.305140286	0.539390353	0.071691833	0.13364022	0.878920006
0.219955268	0.72185821	0.472595345	0.137224783	0.439390498	0.686289142
0.870819569	0.445723109	0.984429795	0.766527206	0.657358569	0.878920006
0.978850523	0.810055491	0.907224741	0.982400734	0.944340168	0.878920006
0.876913846	0.955809146	0.926464403	0.976012712	0.860268544	0.930084284
0.612706243	0.822679711	0.454085584	0.283917422	0.362025526	0.919785701
0.695119426	0.475019442	0.811869667	0.766392085	0.840512368	0.964305408
0.566214195	0.365888837	0.917932455	0.453342788	0.62399968	0.837402414
0.730502834	0.499619504	0.974869886	0.766392085	0.944340168	0.930225561
0.577936968	0.650261851	0.566612337	0.239397382	0.312249207	0.878920006
0.651200475	0.668338646	0.802403999	0.63224537	0.799278147	0.964305408
0.698110959	0.730879713	0.477936233	0.52854725	0.657358569	0.964305408
0.737320498	0.963796978	0.619251786	0.313094657	0.989142228	0.978228392
0.806854717	0.803911578	0.619251786	0.567567001	0.624016326	0.930225561
0.94357166	0.796869822	0.816960488	0.952730115	0.840512368	0.964305408
0.449466891	0.955809146	0.854008677	0.84558858	0.921511644	0.575688434
0.836601826	0.664191474	0.907224741	0.987783408	0.923809594	0.711384951
0.97538343	0.798229605	0.750262913	0.486972553	0.631474323	0.893947982
0.015533454	0.050620547	0.122014643	0.000395557	0.090887777	0.275253538
0.519563355	0.109612755	0.534706464	0.095906777	0.298297482	0.929471941
0.365964771	0.127543622	0.122014643	0.071691833	0.13364022	0.675974535
0.954998182	0.818511604	0.74835857	0.922931937	0.89942764	0.996156113
0.100685005	0.1268165	0.193750495	0.206310389	0.526680278	0.070960837
0.164127002	0.206732314	0.566612337	0.211865669	0.422200007	0.711384951
0.720901856	0.466233699	0.619251786	0.496101917	0.439390498	0.878920006
0.679157554	0.980134791	0.619251786	0.3182057	0.753474679	0.87991069
0.799638468	0.289354079	0.820942709	0.572817086	0.631474323	0.960431202
0.611553701	0.681923458	0.86142373	0.656158498	0.852290871	0.930225561
0.365964771	0.127543622	0.119712365	0.007503871	0.13364022	0.878920006
0.966111523	0.855458003	0.820942709	0.874408725	0.671959872	0.960431202
0.716451396	0.978328757	0.619251786	0.54559171	0.658245428	0.973327929

0.55545869	0.445723109	0.505385232	0.283917422	0.769090435	0.87991069
0.140078904	0.068166691	0.122014643	0.004717005	0.13364022	0.575688434
0.907750616	0.855458003	0.622300829	0.77848045	0.376544089	0.930225561
0.102709725	0.109612755	0.028796558	0.000626976	0.090887777	0.401491038
0.110212529	0.096228247	0.193750495	0.034835211	0.13364022	0.309961788
0.651200475	0.417500777	0.895520745	0.453342788	0.896921194	0.995025889
0.933271481	0.379523786	0.992066527	0.976012712	0.799278147	0.930225561
0.566214195	0.831853386	0.745282093	0.486681481	0.944340168	0.930225561
0.551566193	0.445723109	0.854008677	0.52567292	0.84628712	0.575688434
0.978850523	0.802545352	0.992066527	0.756904524	0.896921194	0.973327929
0.933798575	0.72185821	0.86142373	0.766392085	0.685795676	0.878920006
0.75917543	0.877901903	0.971783285	0.922931937	0.944340168	0.991895791
0.9400139	0.959275233	0.971783285	0.988476356	0.794223332	0.930225561
0.978850523	0.932953659	0.971783285	0.777668866	0.753474679	0.930225561
0.566214195	0.242235198	0.619251786	0.321263137	0.89265386	0.602336189
0.831520522	0.790768263	0.977998281	0.976012712	0.968091715	0.878920006
0.599191482	0.963461714	0.826569658	0.490516923	0.656719386	0.930225561
0.462363071	0.668338646	0.566612337	0.388619136	0.569964194	0.878920006
0.836601826	0.990595412	0.619251786	0.766392085	0.624016326	0.919785701
0.440960872	0.585176087	0.558132805	0.388619136	0.631474323	0.729814777
0.920938417	0.932830811	0.773093237	0.815898124	0.944340168	0.957108795
0.680685079	0.822679711	0.971783285	0.952827208	0.993263318	0.925337163
0.481870747	0.222703549	0.423330377	0.090174177	0.62399968	0.578829596
0.806854717	0.951168178	0.824532744	0.408917366	0.760976574	0.98395405
0.954998182	0.979784901	0.977998281	0.997621304	0.633740884	0.964305408
0.566214195	0.289354079	0.86051245	0.373054865	0.91508245	0.87991069
0.365964771	0.127543622	0.122014643	0.016112389	0.338129363	0.930225561
0.844629502	0.989435845	0.971783285	0.976012712	0.923809594	0.930225561
0.242792467	0.127543622	0.470912687	0.215508344	0.439390498	0.573761025
0.759034678	0.898429126	0.624139392	0.560726041	0.89942764	0.878920006
0.566214195	0.325306067	0.589962767	0.486524991	0.671583742	0.807800082
0.609611302	0.989501846	0.40383412	0.447242301	0.72539983	0.808861211
0.59736879	0.127543622	0.273013099	0.162378612	0.405401213	0.878920006
0.615872202	0.980134791	0.759291447	0.734845795	0.993264823	0.930225561
0.55545869	0.698250663	0.477936233	0.287949894	0.534678489	0.878920006
0.088136702	0.152891401	0.351030215	0.093985233	0.799278147	0.401491038
0.933271481	0.660810467	0.938367968	0.671730158	0.993263318	0.95760072
0.831520522	0.187655705	0.86142373	0.52220878	0.62399968	0.964305408
0.978850523	0.850140623	0.971783285	0.982400734	0.793990592	0.945713663
0.004045744	0.000902811	0.005786869	7.80E-05	0.078950715	0.070960837
0.831520522	0.871185012	0.971783285	0.766392085	0.935701589	0.978228392
0.838303328	0.803911578	0.773093237	0.766527206	0.896921194	0.930225561

REG4 p-adjust	SERP1 p-adjust	STAT3 p-adjust	TLR2 p-adjust	TLR4 p-adjust	CCL20 Spearman's rho
0.105306382	0.002269303	0.920944188	0.262952086	0.364267175	-0.308152438
0.800018954	0.991644498	0.920944188	0.980235267	0.996978004	-0.079084054
0.995241582	0.43820943	0.722177934	0.942001221	0.91607688	0.101984106
0.918914478	0.743150288	0.932760946	0.851617654	0.996978004	0.09478163
0.922154236	0.655825578	0.998659114	0.974818806	0.934375153	-0.099893734
0.793083994	0.561400305	0.957395346	0.964314131	0.91607688	0.013718809
0.580574318	0.468413402	0.78900983	0.851617654	0.91607688	-0.210046174
0.73820834	0.43820943	0.920944188	0.974818806	0.996978004	-0.094005422
0.703578774	0.074705811	0.998659114	0.792250843	0.996978004	-0.196113676
0.995241582	0.208276905	0.890872563	0.792250843	0.693079148	0.22722467
0.765616691	0.713243419	0.860474339	0.974818806	0.996978004	-0.077412427
0.236177961	0.023268965	0.980802762	0.40835948	0.967162812	0.266268148
0.73820834	0.218318814	0.901326176	0.983356024	0.948284568	-0.09774514
0.800544213	0.991644498	0.955243557	0.974818806	0.996978004	-0.018833442
0.748042966	0.334877009	0.920944188	0.895355307	0.964198323	0.03363407
0.995241582	0.959094903	0.716085755	0.974818806	0.996978004	-0.076705949
0.995241582	0.944743314	0.915861057	0.942001221	0.964198323	-0.061707388
0.922154236	0.618475805	0.879562279	0.942001221	0.91607688	-0.091485849
0.980917469	0.933580251	0.920944188	0.974818806	0.996978004	-0.033446198
0.748042966	0.975642961	0.998659114	0.895355307	0.967162812	-0.07085989
0.580574318	0.148134563	0.983167417	0.857549387	0.967162812	-0.144954465
0.654759698	0.996104947	0.932760946	0.974818806	0.964198323	-0.124187972
0.764780216	0.969692414	0.649529467	0.851617654	0.967162812	0.092137744
0.517348096	0.542990441	0.932760946	0.974818806	0.996978004	-0.03418525
0.95258987	0.969692414	0.957395346	0.974818806	0.967162812	-0.040085336
0.995241582	0.991644498	0.932760946	0.983356024	0.974564111	-0.041529339
0.995241582	0.709808746	0.709206747	0.974818806	0.91607688	0.03367008
0.840463772	0.991644498	0.920944188	0.940823601	0.967162812	-0.058339078
0.105306382	0.103640945	0.853441747	0.851617654	0.905740458	-0.203689827
0.73820834	0.473215806	0.716085755	0.554313335	0.364267175	-0.23098929
0.654759698	0.103640945	0.716085755	0.40835948	0.130104497	0.31062521
0.781086465	0.709808746	0.920944188	0.974818806	0.996978004	-0.153283751
0.995241582	0.980290959	0.78900983	0.974818806	0.964198323	0.056192483
0.981967062	0.991644498	0.983167417	0.974818806	0.967162812	-0.030922382
0.807841376	0.991644498	0.649529467	0.923914255	0.970009387	0.021298897
0.980917469	0.991644498	0.920944188	0.980235267	0.974564111	-0.042127588
0.105306382	0.108274567	0.932760946	0.974818806	0.996978004	-0.056968655
0.748042966	0.724379221	0.920944188	0.857369696	0.967162812	0.148759748
0.245624922	0.172440489	0.980802762	0.908275011	0.967162812	-0.071385978
0.201284172	0.225117764	0.98363207	0.867904731	0.91607688	0.224380863
0.654759698	0.347582621	0.781877799	0.851617654	0.91607688	-0.245009202
0.748042966	0.984817901	0.932760946	0.974818806	0.996978004	0.028168259
0.922154236	0.632973319	0.920944188	0.974818806	0.996978004	-0.055118595
0.879294644	0.709808746	0.957395346	0.974818806	0.970009387	0.020488732
0.95258987	0.561168188	0.890945817	0.974818806	0.964198323	-0.043029162
0.293500663	0.942374844	0.709475154	0.974818806	0.996978004	0.002026165
0.721334182	0.43820943	0.649529467	0.40835948	0.91607688	-0.360570402

0.764780216	0.803570035	0.709475154	0.974818806	0.970009387	0.060042777
0.800018954	0.89342898	0.78900983	0.974818806	0.91607688	0.052734588
0.848279987	0.709808746	0.879562279	0.974818806	0.91607688	-0.072694694
0.748042966	0.250175631	0.920944188	0.974818806	0.967162812	-0.122475172
0.995375003	0.653903182	0.932760946	0.974818806	0.920599209	0.095870115
0.654759698	0.10068769	0.920944188	0.851617654	0.992938761	-0.122135516
0.980917469	0.626282072	0.709206747	0.942001221	0.967162812	0.050520375
0.922154236	0.475355793	0.932760946	0.974818806	0.987433869	-0.13784064
0.126901811	0.002269303	0.943417876	0.563386321	0.91607688	-0.376522272
0.800018954	0.96053423	0.932760946	0.980235267	0.964198323	-0.014439875
0.748042966	0.43820943	0.932760946	0.983356024	0.967162812	-0.033435794
0.703578774	0.132000049	0.920944188	0.554313335	0.421870795	-0.258061035
0.793083994	0.655825578	0.649529467	0.974818806	0.920599209	0.017629903
0.79050386	0.148134563	0.853441747	0.693716021	0.556110587	-0.270131818
0.995241582	0.709808746	0.879562279	0.974818806	0.996978004	0.00510777
0.73820834	0.151896078	0.973515325	0.857369696	0.887702054	-0.242425009
0.236177961	0.030170111	0.973530784	0.847646959	0.91607688	-0.254716118
0.105306382	0.074705811	0.920944188	0.519436791	0.91607688	-0.179636826
0.94639762	0.264360719	0.973530784	0.851617654	0.967162812	-0.246546442
0.865645446	0.626282072	0.716085755	0.974818806	0.996978004	0.099937776
0.922154236	0.864143459	0.853441747	0.851617654	0.967162812	0.096651459
0.827065996	0.991644498	0.853441747	0.895355307	0.967162812	-0.170994725
0.654759698	0.542990441	0.790307408	0.983356024	0.996978004	0.071022819
0.868545347	0.278132371	0.998659114	0.942001221	0.967162812	0.115379076
0.517348096	0.345504548	0.980802762	0.974818806	0.91607688	-0.139272158
0.918914478	0.991644498	0.920944188	0.931972961	0.964198323	0.124307481
0.748042966	0.407253662	0.716085755	0.974818806	0.996978004	0.034565947
0.922154236	0.743150288	0.649529467	0.846372824	0.946880385	0.111995003
0.935914818	0.709808746	0.716085755	0.805906376	0.91607688	0.086651062
0.73820834	0.43820943	0.716724319	0.980235267	0.967162812	0.064443689
0.73820834	0.468413402	0.932760946	0.951469127	0.91607688	-0.010988141
0.855296787	0.27703342	0.879562279	0.851617654	0.91607688	-0.036912925
0.73820834	0.329818651	0.879562279	0.467727949	0.887702054	-0.233215616
0.73820834	0.103640945	0.649529467	0.262952086	0.091222037	-0.388299277
0.703578774	0.156100887	0.716085755	0.974818806	0.996978004	0.009522379
0.794791844	0.847032567	0.709475154	0.851617654	0.970009387	0.018981773
0.995241582	0.864143459	0.879562279	0.867904731	0.91607688	0.090259184
0.918914478	0.563986304	0.709475154	0.805906376	0.91607688	0.059182689
0.981967062	0.662357188	0.915861057	0.851617654	0.91607688	-0.060876223
0.800018954	0.991644498	0.920944188	0.951469127	0.91607688	-0.110003723
0.980917469	0.252899996	0.853441747	0.980235267	0.996978004	0.010621717
0.415554315	0.475355793	0.920944188	0.974818806	0.974564111	-0.059474441
0.988223206	0.468413402	0.649529467	0.940823601	0.91607688	0.1105763
0.748042966	0.906047827	0.716085755	0.974818806	0.967162812	-0.004619946
0.800018954	0.991644498	0.983167417	0.983356024	0.987433869	-0.009150853
0.794791844	0.995660178	0.973530784	0.974818806	0.996978004	-0.099913608
0.95258987	0.074705811	0.920944188	0.923914255	0.967162812	0.158465062
0.105306382	0.030170111	0.879562279	0.805906376	0.823703749	-0.341216672
0.988223206	0.991644498	0.727963097	0.923914255	0.967162812	0.049644991
0.764780216	0.187537437	0.973530784	0.851617654	0.91607688	-0.084808991

0.879497301	0.864143459	0.932760946	0.974818806	0.967162812	0.003995901
0.963430771	0.709808746	0.77467493	0.871352966	0.91607688	-0.122640041
0.357851718	0.020490857	0.932760946	0.432256389	0.91607688	0.319688223
0.73820834	0.991644498	0.790307408	0.851617654	0.967162812	0.124654694
0.748042966	0.618475805	0.853441747	0.851617654	0.967162812	0.05715182
0.962003011	0.847032567	0.932760946	0.983356024	0.967162812	-0.085772969
0.654759698	0.561168188	0.920944188	0.851617654	0.91607688	-0.10305886
0.981967062	0.743150288	0.941984164	0.974818806	0.996978004	0.088534266
0.654759698	0.915771158	0.790307408	0.432256389	0.996978004	-0.134424009
0.79050386	0.074705811	0.853441747	0.693716021	0.91607688	-0.276216122
0.995375003	0.980290959	0.932760946	0.953871656	0.987433869	-0.058866497
0.507789803	0.027079694	0.890945817	0.40835948	0.91607688	-0.216228169
0.782709685	0.17974624	0.932760946	0.851617654	0.91607688	-0.186099745
0.794791844	0.252899996	0.915861057	0.805906376	0.967162812	0.19266955
0.517348096	0.991644498	0.879562279	0.974818806	0.996978004	-0.009786286
0.253314224	0.023302399	0.716085755	0.262952086	0.421889927	-0.483338801
0.922154236	0.662357188	0.860474339	0.974818806	0.964198323	-0.101948834
0.800018954	0.959094903	0.716085755	0.974818806	0.967162812	-0.062149103
0.793405851	0.712738951	0.957395346	0.974818806	0.91607688	0.073113184
0.980917469	0.864143459	0.790307408	0.980235267	0.967162812	-0.02023005
0.794791844	0.252899996	0.915861057	0.805906376	0.556110587	-0.130635313
0.580574318	0.511013262	0.986869453	0.951469127	0.967162812	0.11665319
0.916201731	0.864143459	0.957395346	0.974818806	0.738152898	-0.108393541
0.800018954	0.475355793	0.949954551	0.974818806	0.985746861	0.029520022
0.980917469	0.932746809	0.709206747	0.974818806	0.91607688	-0.16933712
0.905409564	0.847032567	0.716085755	0.974818806	0.91607688	-0.099037513
0.781086465	0.996104947	0.973515325	0.974818806	0.996978004	0.055041017
0.43694885	0.329818651	0.709206747	0.599622869	0.823703749	0.267938632
0.794791844	0.357426286	0.709206747	0.851617654	0.823703749	-0.085806427
0.980917469	0.468413402	0.853441747	0.857369696	0.91607688	-0.196127722
0.922154236	0.475355793	0.891149654	0.974818806	0.967162812	-0.018224424
0.781086465	0.365626402	0.941984164	0.867904731	0.91607688	-0.152109066
0.692563438	0.04755824	0.879562279	0.792250843	0.91607688	-0.153673439
0.95258987	0.668488935	0.853441747	0.983356024	0.964198323	-0.024838896
0.827065996	0.932746809	0.932760946	0.983356024	0.967162812	-0.010992515
0.084345292	0.023302399	0.853441747	0.40835948	0.693079148	-0.275355646
0.73820834	0.345504548	0.649529467	0.951469127	0.967162812	0.099857458
0.995241582	0.743150288	0.709475154	0.980235267	0.91607688	-0.07112427
0.73820834	0.864143459	0.932760946	0.974818806	0.967162812	-0.114101362
0.73820834	0.996104947	0.920944188	0.974818806	0.91607688	-0.003529926
0.105306382	0.029955191	0.649529467	0.206671338	0.130104497	-0.294369139
0.748042966	0.816973195	0.853441747	0.974818806	0.967162812	-0.052350385
0.415554315	0.522935327	0.879562279	0.851617654	0.964076851	0.181460313
0.980917469	0.557490789	0.932760946	0.908275011	0.967162812	-0.216917548
0.794791844	0.653903182	0.932760946	0.974818806	0.996978004	-0.11021621
0.73820834	0.991644498	0.709475154	0.974818806	0.996978004	0.059026146
0.236177961	0.087405011	0.97996977	0.554313335	0.967162812	-0.246104433
0.980917469	0.475355793	0.962280792	0.974818806	0.967162812	0.000517898
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0.993359304	0.984817901	0.901326176	0.951469127	0.973477241	-0.156830388
0.855538887	0.693739672	0.77467493	0.936555851	0.967162812	-0.021195039
0.981967062	0.43820943	0.976078332	0.988800641	0.996978004	0.019823781
0.918914478	0.969692414	0.649529467	0.805906376	0.91607688	-0.164307943
0.918914478	0.991644498	0.996964748	0.988800641	0.974564111	-0.066894886
0.918914478	0.996104947	0.920944188	0.974818806	0.964198323	-0.040807076
0.922154236	0.43820943	0.920944188	0.940823601	0.967162812	0.111890227
0.988223206	0.575929699	0.938580013	0.974818806	0.987433869	-0.033397403
0.748042966	0.545550621	0.856119724	0.964314131	0.967162812	0.049711823
0.922154236	0.483526267	0.980802762	0.851617654	0.967162812	-0.068982751
0.627859926	0.755841874	0.853441747	0.895355307	0.967162812	0.032503224
0.43694885	0.225117764	0.920944188	0.693716021	0.874218097	-0.215408201
0.799544745	0.743150288	0.920944188	0.942001221	0.91607688	-0.152289903
0.99304154	0.847032567	0.915861057	0.851617654	0.91607688	0.088128155
0.988223206	0.668488935	0.901326176	0.942001221	0.996978004	0.04287854
0.580574318	0.089939192	0.932760946	0.974818806	0.967162812	0.165537392
0.818839701	0.991644498	0.879197313	0.974818806	0.91607688	-0.1112798
0.793083994	0.743150288	0.879562279	0.980235267	0.967162812	0.029235699
0.43694885	0.036975825	0.932760946	0.857369696	0.823703749	-0.240607791
0.793083994	0.391701895	0.920944188	0.563386321	0.763881475	-0.286395811
0.77292504	0.503433799	0.649529467	0.974818806	0.967162812	-0.031999352
0.807841376	0.864143459	0.920944188	0.974818806	0.91607688	-0.041379623
0.812948548	0.847032567	0.915861057	0.942001221	0.996978004	0.040322595
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0.818839701	0.475355793	0.915861057	0.974818806	0.91607688	0.010559131
0.980917469	0.932746809	0.932760946	0.974818806	0.967162812	0.084465829
0.580574318	0.817156262	0.943417876	0.964314131	0.91607688	-0.071058653
0.918914478	0.991644498	0.853441747	0.974818806	0.987433869	-0.067113309
0.841430061	0.991644498	0.853441747	0.974818806	0.91607688	-0.127514594
0.084345292	0.003504486	0.915861057	0.554313335	0.556110587	-0.363656058
0.770615929	0.748680673	0.962280792	0.974818806	0.996978004	-0.108426403
0.918914478	0.932746809	0.709475154	0.851617654	0.967162812	-0.15550257
0.918914478	0.980290959	0.983167417	0.974818806	0.996978004	0.135545335
0.748042966	0.343797594	0.853441747	0.554313335	0.91607688	0.204214483
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0.654759698	0.406588816	0.980802762	0.953871656	0.91607688	-0.156735345
0.517348096	0.406588816	0.915861057	0.851617654	0.91607688	-0.167974555
0.770615929	0.34238116	0.78900983	0.554313335	0.556110587	-0.119734226
0.73820834	0.991644498	0.709475154	0.942001221	0.964198323	-0.087721688
0.918914478	0.473215806	0.996964748	0.851617654	0.996978004	-0.139890798
0.748042966	0.767829719	0.915861057	0.974818806	0.996978004	-0.032208988
0.995241582	0.991644498	0.879562279	0.940823601	0.91607688	-0.094534178
0.580574318	0.915771158	0.709475154	0.851617654	0.987433869	0.052373699
0.794791844	0.847032567	0.901326176	0.895355307	0.970419597	0.013744375
0.781086465	0.796529713	0.709206747	0.857369696	0.91607688	-0.142079122
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0.884366871	0.847032567	0.844482736	0.936555851	0.91607688	-0.007198628
0.935914818	0.969692414	0.937720797	0.974818806	0.996978004	0.086128487
0.692563438	0.942770397	0.649529467	0.857369696	0.91607688	0.080238911
0.794791844	0.991644498	0.78900983	0.881308833	0.91607688	-0.140710943
0.849136774	0.775066141	0.709206747	0.921916099	0.973477241	0.027495525
0.840463772	0.148134563	0.726261896	0.432256389	0.91607688	0.267765325
0.807841376	0.959094903	0.649529467	0.851617654	0.91607688	-0.179024957
0.980917469	0.975642961	0.957395346	0.940823601	0.967162812	0.045526028
0.874369543	0.365626402	0.943417876	0.942001221	0.996978004	0.105436147
0.766701727	0.43820943	0.790307408	0.805906376	0.996978004	-0.232934351
0.922154236	0.991644498	0.986869453	0.974818806	0.996978004	0.055057863
0.988223206	0.978980057	0.983167417	0.953871656	0.91607688	0.127844501
0.807841376	0.343797594	0.973515325	0.851617654	0.996978004	0.16245753
0.954752611	0.991644498	0.716085755	0.867904731	0.964198323	-0.13803444
0.748042966	0.726877286	0.920944188	0.974818806	0.996978004	-0.013073632
0.794791844	0.43820943	0.78900983	0.851617654	0.967162812	0.082373488
0.995241582	0.969692414	0.937720797	0.942001221	0.964198323	0.005151989
0.988223206	0.969692414	0.860474339	0.931972961	0.964198323	0.103691759
0.748042966	0.987751028	0.649529467	0.881308833	0.91607688	0.099289847
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0.517348096	0.091602503	0.78900983	0.895355307	0.91607688	-0.244904836
0.922154236	0.023302399	0.853441747	0.262952086	0.33591705	-0.402171338
0.73820834	0.410995956	0.78900983	0.805906376	0.967162812	-0.200918973
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0.793083994	0.864143459	0.790307408	0.974818806	0.967162812	-0.049837103
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0.922154236	0.87929264	0.957395346	0.983356024	0.987433869	-0.001721435
0.084345292	0.074705811	0.683376318	0.462725674	0.30018116	-0.413239219
0.874369543	0.915771158	0.777061844	1	0.967162812	0.006316789
0.94639762	0.996104947	0.890945817	0.974818806	0.91607688	-0.068269458
0.781086465	0.601617599	0.890945817	0.851617654	0.996978004	0.129303086
0.995241582	0.969692414	0.649529467	0.942001221	0.970009387	-0.01636025
0.764780216	0.43820943	0.032171313	0.554313335	0.556110587	-0.20872681
0.922154236	0.69581748	0.879562279	0.983356024	0.99573621	-0.003503729
0.922154236	0.743150288	0.716085755	0.792250843	0.964198323	-0.216550052
0.73820834	0.218318814	0.951984261	0.974818806	0.970009387	-0.064196574
0.980917469	0.074705811	0.890872563	0.964314131	0.964198323	0.094361267
0.794791844	0.991644498	0.709475154	0.882064747	0.91607688	-0.163820422
0.918914478	0.743150288	0.920944188	0.974818806	0.987433869	0.031372613
0.884366871	0.969692414	0.932760946	0.895355307	0.91607688	0.057230433
0.764780216	0.702357968	0.679036266	0.40835948	0.967162812	-0.208412078
0.73820834	0.743150288	0.920944188	0.974818806	0.91607688	0.015329306
0.954752611	0.43820943	0.716085755	0.974818806	0.996978004	0.083656667
0.827065996	0.847032567	0.915861057	0.980235267	0.996978004	0.032291006
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0.800018954	0.743150288	0.920944188	0.974818806	0.967162812	-0.042159954
0.988223206	0.626282072	0.790307408	0.989669863	0.987433869	0.030228537

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0.654759698	0.074705811	0.78900983	0.693716021	0.91607688	0.112392365
0.580574318	0.816973195	0.860474339	0.983356024	0.91607688	-0.127614409
0.981967062	0.775066141	0.983167417	0.942001221	0.996978004	-0.017411102
0.96955452	0.891907245	0.649529467	0.867904731	0.874218097	0.072970427
0.703578774	0.775066141	0.759654017	0.951469127	0.967162812	0.052807896
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0.980917469	0.762228487	0.973515325	0.857549387	0.996978004	0.089983009
0.236177961	0.252899996	0.973530784	0.942001221	0.996978004	-0.048383984
0.995241582	0.959094903	0.938580013	0.923914255	0.967162812	0.039640586
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0.988223206	0.743150288	0.649529467	0.974818806	0.874218097	0.046782962
0.793083994	0.933580251	0.709206747	0.974818806	0.967162812	-0.098050363
0.981967062	0.864143459	0.957395346	0.974818806	0.964198323	-0.059541952
0.748042966	0.477942908	0.932760946	0.851617654	0.964198323	-0.230512197
0.364941774	0.618475805	0.996964748	0.974818806	0.964198323	0.071003294
0.703578774	0.074705811	0.716085755	0.974818806	0.996978004	-0.064634449
0.922154236	0.775066141	0.920944188	0.974818806	0.996978004	-0.027601703
0.73820834	0.475355793	0.932760946	0.974818806	0.91607688	0.029800995
0.43694885	0.704740132	0.78900983	0.974818806	0.967162812	-0.039443757
0.95258987	0.841285571	0.820390886	0.851617654	0.967162812	-0.144890812
0.922154236	0.984817901	0.879562279	0.942001221	0.967162812	-0.038387807
0.89879323	0.886780238	0.932760946	0.974818806	0.987433869	-0.004583286
0.914714322	0.888405596	0.716085755	0.951469127	0.91607688	-0.12606668
0.736343282	0.17974624	0.716085755	0.942001221	0.974564111	0.011051645
0.980917469	0.969692414	0.894007053	0.974818806	0.91607688	-0.097835524
0.827065996	0.399555398	0.726261896	0.974818806	0.967162812	-0.066004642
0.586124528	0.336179612	0.932760946	0.867904731	0.91607688	-0.160301165
0.748042966	0.816973195	0.716085755	0.942001221	0.996978004	-0.016900309
0.921187274	0.975642961	0.833163923	0.940823601	0.964198323	-0.090345451
0.764780216	0.991644498	0.709475154	0.974818806	0.967162812	-0.018223594
0.748042966	0.407253662	0.806305148	0.980235267	0.996978004	0.084192459
0.775229494	0.978691865	0.716085755	0.942001221	0.996978004	0.053445485
0.980917469	0.709808746	0.983167417	0.808460363	0.9665546	0.155325444
0.918914478	0.847032567	0.709475154	0.974818806	0.964198323	0.046822152
0.995241582	0.66312664	0.879562279	0.974818806	0.987433869	0.034147303
0.615632898	0.252899996	0.716085755	0.792250843	0.91607688	-0.159530782
0.545390632	0.434127159	0.920944188	0.974818806	0.91607688	0.194010051
0.105306382	0.023302399	0.879562279	0.467727949	0.91607688	-0.33899886
0.980917469	0.705752342	0.920944188	0.942001221	0.973477241	-0.086990777
0.800018954	0.991644498	0.957395346	0.974818806	0.920599209	-0.017736956
0.980917469	0.969692414	0.983167417	0.974818806	0.967162812	-0.05214316
0.922154236	0.429188637	0.955243557	0.974818806	0.987433869	0.170629949
0.73820834	0.601617599	0.998659114	0.908275011	0.91607688	0.112950556
0.918914478	0.933580251	0.915861057	0.909157448	0.91607688	-0.091045342

0.764780216	0.263946984	0.932760946	0.940725799	0.964198323	-0.13551674
0.988223206	0.991644498	0.941392005	0.989669863	0.964198323	-0.090609597
0.43694885	0.093439176	0.955243557	0.871352966	0.91607688	-0.248007601
0.918914478	0.27926795	0.980802762	0.921916099	0.985746861	0.078360497
0.922154236	0.891907245	0.853441747	0.974818806	0.967162812	-0.067405467
0.981967062	0.969692414	0.853441747	0.980235267	0.964198323	0.0254773
0.73820834	0.406588816	0.853441747	0.857369696	0.91607688	-0.197611553
0.995241582	0.979428515	0.920944188	0.980235267	0.996978004	-0.03919662
0.998593477	0.991644498	0.879562279	0.974818806	0.967162812	-0.101094534
0.764780216	0.626282072	0.879562279	0.851617654	0.693079148	-0.249936039
0.242255697	0.455079689	0.709475154	0.940823601	0.693079148	0.076650433
0.995375003	0.996104947	0.920944188	0.980235267	0.91607688	-0.11201966
0.764780216	0.991644498	0.957395346	0.940823601	0.967162812	0.077364768
0.800544213	0.357426286	0.920944188	0.931972961	0.967162812	0.104455424
0.748042966	0.561400305	0.932760946	0.908275011	0.775693131	-0.138857192
0.868545347	0.744742009	0.973530784	0.974818806	0.996978004	-0.092233306
0.980917469	0.104691622	0.716085755	0.983356024	0.91607688	0.057408144
0.731671441	0.991644498	0.920944188	0.980235267	0.967162812	0.031012172
0.692563438	0.668488935	0.756076906	0.842967028	0.556110587	-0.302705666
0.159151883	0.263946984	0.932760946	0.937397286	0.970009387	-0.127122511
0.703578774	0.653903182	0.750680716	0.871352966	0.964198323	0.11426665
0.922154236	0.996850959	0.649529467	0.857369696	0.693079148	-0.213091071
0.840463772	0.635069077	0.996964748	0.974818806	0.996978004	-0.018085246
0.800544213	0.743150288	0.955243557	0.974818806	0.996978004	-0.025985288
0.595002072	0.156100887	0.955243557	0.895355307	0.967162812	-0.233978792
0.918914478	0.709808746	0.879562279	0.983356024	0.967162812	-0.109384468
0.918914478	0.43820943	0.920944188	0.964314131	0.91607688	-0.029591873
0.868545347	0.996104947	0.983167417	0.974818806	0.91607688	-0.04731971
0.133726733	0.575929699	0.716085755	0.942001221	0.91607688	0.03862208
0.995241582	0.932746809	0.716085755	0.974818806	0.996978004	-0.08247268
0.922154236	0.832349196	0.853441747	0.974818806	0.996978004	0.074652915
0.827065996	0.668488935	0.879562279	0.974818806	0.987433869	-0.03349773
0.395049542	0.969692414	0.920944188	0.851617654	0.964198323	0.1841409
0.827065996	0.991644498	0.879562279	0.867904731	0.967162812	-0.061407171
0.781086465	0.701632946	0.779826157	0.895355307	0.823703749	-0.136453077
0.99304154	0.987515092	0.853441747	0.988800641	0.91607688	0.02261245
0.915354314	0.668488935	0.709206747	0.923914255	0.967162812	0.092953124
0.105306382	0.023302399	0.920944188	0.792250843	0.738152898	-0.264618887
0.703578774	0.653903182	0.983167417	0.904713519	0.967162812	-0.057398181
0.73820834	0.074705811	0.915861057	0.462725674	0.91607688	0.281695293
0.748042966	0.915265731	0.904311843	0.881308833	0.996978004	-0.206315578
0.320663562	0.225117764	0.649529467	0.40835948	0.364267175	-0.320056891
0.580574318	0.360705817	0.932760946	0.851617654	0.91607688	-0.199503894
0.800018954	0.360705817	0.941984164	0.940823601	0.964198323	-0.167109426
0.922154236	0.578171443	0.983167417	0.953871656	0.996978004	0.01842301
0.654759698	0.991644498	0.957395346	0.9605826	0.996978004	-0.069185158
0.922154236	0.662357188	0.949954551	0.974818806	0.91607688	-0.087349433
0.236177961	0.091602503	0.920944188	0.904713519	0.91607688	0.258374124
0.794791844	0.996104947	0.937720797	0.974818806	0.91607688	0.007326656
0.73820834	0.822050708	0.998659114	0.974818806	0.996978004	0.015392293

0.922154236	0.343797594	0.920944188	0.940823601	0.987433869	-0.074856397
0.43694885	0.030812958	0.915861057	0.857369696	0.91607688	-0.198789906
0.988223206	0.991644498	0.957395346	0.974818806	0.967162812	0.043511437
0.126085111	0.023302399	0.853441747	0.414437631	0.91607688	-0.240104402
0.654759698	0.069244788	0.932760946	0.851617654	0.905740458	-0.276574711
0.981967062	0.969692414	0.932760946	0.974818806	0.996978004	-0.024154612
0.793083994	0.996104947	0.853441747	0.974818806	0.996978004	-0.042955628
0.73820834	0.655825578	0.915861057	0.983356024	0.91607688	0.136907795
0.800018954	0.347582621	0.967638415	0.974818806	0.996978004	-0.13179253
0.995375003	0.991644498	0.957395346	0.983356024	0.996978004	0.02993292
0.748042966	0.575929699	0.932760946	0.989669863	0.967162812	-0.049439989
0.900064494	0.960288291	0.932760946	0.980235267	0.967162812	-0.018066192
0.973434199	0.475355793	0.957395346	0.974818806	0.970009387	-0.002564935
0.73820834	0.407253662	0.932760946	0.881308833	0.996978004	-0.168828069
0.73820834	0.357426286	0.920944188	0.867904731	0.887702054	-0.209975794
0.980917469	0.822050708	0.973515325	0.937397286	0.996978004	0.118286255
0.793083994	0.743150288	0.649529467	0.980235267	0.987433869	-0.026855396
0.764780216	0.493402628	0.998659114	0.974818806	0.996978004	-0.151138416
0.980917469	0.665845879	0.915861057	0.974818806	0.967162812	-0.005254657
0.868545347	0.618475805	0.915861057	0.974818806	0.967162812	-0.148648224
0.781086465	0.847032567	0.848556302	0.871352966	0.967162812	0.035957329
0.43694885	0.744742009	0.983167417	0.974818806	0.973477241	-0.004173052
0.95258987	0.399652849	0.983167417	0.851617654	0.91607688	0.236101853
0.794791844	0.675712783	0.932760946	0.908275011	0.996978004	0.159549548
0.875944849	0.864143459	0.920944188	0.974818806	0.946880385	-0.092415323
0.800018954	0.816973195	0.973530784	0.931972961	0.967162812	-0.085969311
0.517348096	0.252899996	0.943417876	0.851617654	0.967162812	-0.165927999
0.73820834	0.713243419	0.716085755	0.974818806	0.967162812	-0.119536486
0.764780216	0.475355793	0.853441747	0.792250843	0.435663924	-0.278547221
0.995375003	0.847032567	0.943417876	0.940823601	0.967162812	0.054628837
0.546905199	0.343797594	0.973515325	0.867904731	0.91607688	-0.189071861
0.718637899	0.743150288	0.649529467	0.40835948	0.91607688	0.106464953
0.793083994	0.168873227	0.932760946	0.940823601	0.964198323	-0.158497131
0.748042966	0.709808746	0.78900983	0.931972961	0.996978004	0.144434966
0.807841376	0.475355793	0.973515325	0.974818806	0.996978004	0.018880003
0.333938888	0.409586861	0.78900983	0.519436791	0.421889927	-0.231354856
0.859385525	0.557490789	0.962280792	0.922217889	0.964198323	-0.139481393
0.995375003	0.743150288	0.790307408	0.983356024	0.996978004	-0.01990074
0.73820834	0.864143459	0.709475154	0.980235267	0.996978004	-0.00184745
0.117125408	0.008130465	0.716085755	0.262952086	0.25436962	-0.362955726
0.988223206	0.932746809	0.957395346	0.980235267	0.996978004	-0.029364864
0.748042966	0.96310232	0.716085755	0.881308833	0.967162812	0.090690899

CD14 Spearman's rho	CXCL1 Spearman's rho	CXCL11 Spearman's rho	IFNG Spearman's rho
0.133977601	-0.456283331	-0.42036029	-0.130734799
-0.133220234	-0.074642385	0.055378938	-0.061467392
-0.18828613	0.162617232	0.177791612	-0.063207338
-0.023540956	0.071560264	0.067275406	-0.071612595
0.049506998	-0.143734542	-0.013373705	0.069615856
-0.086269277	0.053676513	0.070970118	0.10944151
0.097275046	-0.237813272	0.009718822	-0.09739411
0.166964135	-0.117925223	-0.015285861	0.035296033
0.299822901	-0.264283609	-0.106342027	-0.103665839
-0.040124806	0.263147659	0.079343917	0.257786798
0.056296152	-0.055023271	0.049321911	-0.017971782
-0.187637014	0.332996189	0.291316896	0.293256481
0.34445535	-0.132624999	-0.114190046	0.023632349
0.015526231	0.000610852	0.050625376	0.100749481
-0.177286353	0.153952488	0.104725698	0.2160328
-0.067518468	-0.043061284	-9.69E-05	0.040396207
0.087118156	-0.047424733	0.200547377	-0.025900559
-0.168673384	-0.169352125	-0.096053025	0.020804197
0.200245059	0.012329879	0.078924457	-0.028359116
-0.012103264	-0.063789575	0.112607106	0.019117573
0.270208241	-0.221968706	-0.199070939	-0.101542436
0.011759037	-0.066028701	0.123900193	0.103984113
0.0924958	0.022197281	-0.191024894	0.172258833
0.153755236	-0.10522878	-0.217697713	-0.129316128
-0.090576325	-0.016532706	0.140527542	-0.029149233
-0.081013687	0.009672854	0.025915681	-0.005805108
0.031716723	-0.05543949	-0.071199141	0.008561804
0.145540932	-0.013579938	-0.039312681	-0.099842988
0.336821034	-0.214252694	-0.061928647	-0.04935525
0.075386408	-0.245780522	-0.012092796	-0.127404659
-0.067274685	0.331489332	0.107778988	0.352232723
0.040865715	-0.070667532	0.056862203	-0.001668429
-0.025280469	0.000807657	0.00653102	0.170766621
0.072529493	0.002795851	-0.054696085	-0.052453264
-0.012004545	0.074164097	-0.191237939	0.151315857
0.051309295	0.007195664	0.024729263	0.041915622
0.355015231	-0.166389861	-0.226851486	0.041772526
-0.036822123	0.181954486	0.097239426	0.155147539
0.260562545	-0.148491069	-0.117497021	0.001125772
-0.246522989	0.203204721	0.03514776	0.127123178
0.133708657	-0.238958634	-0.07151522	0.058355758
-0.095726292	0.025060882	-0.042580069	-0.054863967
0.302077104	-0.069968373	-0.027693289	0.173294342
-0.054442987	-0.082896532	-0.09778754	-0.074261534
-0.033345392	-0.091249509	-0.115825632	-0.194304196
-0.295634803	-0.005737921	0.044951245	0.075736128
0.337406372	-0.28316968	-0.315062865	-0.145479826

-0.165038361	0.055495706	-0.245859819	0.001311183
-0.177178577	0.053893094	0.125761153	0.041208264
-0.021368641	-0.07952017	0.209781723	-0.104266467
0.298756123	-0.210914026	-0.081341041	-0.015360228
0.213171735	0.078381806	-0.087010938	0.087170823
0.27312898	-0.247069308	-0.208463411	-0.112534568
0.206240244	-0.048047499	-0.100300545	0.117005068
0.047999184	-0.155753119	-0.11098418	-0.127009662
0.303930803	-0.424232815	-0.150557963	-0.010952202
-0.046174389	0.027411395	0.024503505	0.04550017
0.056464288	-0.101108288	-0.007061404	0.01376365
0.169059295	-0.226185766	0.040277799	-0.009163332
0.214215152	-0.06049338	-0.188003805	0.190123359
0.144694234	-0.264719229	-0.085063454	0.021170835
-0.030975225	-0.067853553	-0.090146987	-0.071659369
0.135011183	-0.315859552	-0.150490152	-0.0969229
0.226056535	-0.331226199	-0.28238028	0.003078163
0.440424643	-0.254741184	-0.131725134	0.063855151
0.294506883	-0.181431281	-0.087370148	-0.035620909
0.083154758	-0.03893086	-0.181318689	0.052658403
0.214612284	0.035971921	-0.194697081	0.133827738
0.159745301	-0.152356976	-0.190358358	-0.126079295
-0.170977573	0.043493687	0.029782021	0.079389181
0.003442091	0.167949181	0.259206501	-0.002041674
0.362452138	-0.168774746	-0.009485643	0.036678929
0.080121094	0.12196107	0.083862433	0.173061154
0.173765349	-0.041580601	-0.140454634	0.209543118
0.110582308	0.122049037	0.247603403	0.219847822
-0.038904871	0.102315233	-0.088130525	-0.020347437
0.178997523	-0.087336251	-0.210599261	0.044069763
0.146937925	-0.052644793	-0.058892326	0.005273431
-0.072457752	-0.119753464	-0.183973552	-0.013221347
0.230764721	-0.225966171	-0.063118763	-0.038885073
0.035531827	-0.338491992	-0.041615625	-0.079441568
0.287374845	-0.098577631	-0.211484653	0.136348944
0.10099866	0.063358948	0.206442921	0.089183616
0.137524643	0.082122223	0.171235794	0.077685971
-0.113611656	0.094008509	0.092298428	0.205868089
-0.020628085	-0.043073973	-0.069836184	-0.130201208
-0.145898195	-0.039236843	0.104523937	-0.153410931
0.113910138	-0.119829087	0.013835474	0.116698928
-0.123551422	0.020887914	0.126682901	0.045633353
0.081968361	-0.025238121	-0.095069559	0.281190189
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0.020141709	0.043760286	0.187317699	0.066254453
-0.07861957	-0.177528119	-0.282723231	0.052120488
-0.019895582	0.057564222	0.094029251	0.033152135
0.092987742	-0.155621318	-0.108266367	0.047700561
-0.071478644	0.05896973	0.154686108	0.349996528
-0.029595332	-0.045164612	-0.056417184	0.017411193
-0.192975683	0.308850819	0.173698743	0.186413338
-0.047748907	0.158386877	0.170016203	-0.053561022
-0.013951238	-0.093290525	-0.067964212	0.129583275
0.173382454	-0.087049778	-0.167519981	-0.082172612
0.413212804	-0.23484971	-0.301853637	-0.054084701
-0.019736788	-0.070255368	0.107578207	-0.051099527
0.031241261	-0.236104058	-0.068596962	-0.097940871
-0.177693193	0.098009821	0.110432918	0.196956797
0.073937915	-0.219661426	-0.013298701	-0.104274218
-0.018814833	0.107348706	0.063820797	0.008578487
0.115274522	-0.242195842	-0.16083593	-0.174951477
-0.141574152	0.042977882	0.02216477	-0.084528137
0.040396406	0.105928221	0.32205949	-0.041830002
0.240755393	-0.276135847	-0.009562562	-0.144264296
0.061697589	-0.142259094	0.017266534	-0.012453252
0.168292756	-0.058173763	-0.167265708	0.098474458
-0.145106281	0.025083884	0.094450103	0.184219836
0.294905936	-0.469267475	-0.344761831	-0.214677864
-0.138002345	0.01027119	-0.044720319	-0.044456667
-0.02622908	0.087533111	0.032859079	0.016516987

IL10 Spearman's rho	IL17a Spearman's rho	IL1b Spearman's rho	IL23 Spearman's rho
-0.075206916	-0.469169331	-0.493375143	-0.429579013
-0.073794088	-0.266829592	-0.054738129	-0.092487426
-0.124917201	0.133668211	0.184679427	0.27743896
-0.035451383	-0.068965084	0.097308905	0.074272966
0.064544356	-0.203598638	-0.092399831	-0.135359246
0.056594738	-0.029435637	0.038059174	-0.022717477
-0.085735458	-0.238331342	-0.13102941	-0.185945662
-0.0139173	-0.182946162	-0.024630525	-0.066336163
-0.116615319	-0.438762372	-0.165815261	-0.232091812
0.233761881	0.187444323	0.26544068	0.327073259
0.063162651	-0.227741943	-0.057440301	-0.153067123
0.05777565	0.42426179	0.314868959	0.358286356
0.034910322	-0.373786246	-0.164331491	-0.22477435
0.069434082	-0.182267031	0.031658557	-0.087340772
0.090337119	0.122593608	0.068769132	0.078164009
-0.028611505	0.003231194	-0.052624641	-0.050625893
0.021770554	-0.078782722	0.107803234	-0.054931954
-0.056969946	0.001967298	-0.168772165	-0.079741648
-0.021678814	-0.115018286	0.017108646	-0.10411292
-0.201109054	0.05143115	-0.042887577	0.014442403
-0.072510416	-0.525283861	-0.231138385	-0.256625152
-0.079710491	-0.109707511	-0.03806852	0.047392948
0.187924769	0.15114231	-0.044501572	-0.09107872
-0.062160485	-0.228584039	-0.141323804	-0.147788456
-0.077358547	0.0457909	0.013281864	0.012293856
-0.075978511	-0.040629677	-0.096201229	-0.031938255
-0.027848263	0.132030538	-0.074610995	-0.093205604
-0.069245211	-0.070517403	-0.016712298	-0.027093415
-0.081549675	-0.399911234	-0.302214587	-0.197687028
-0.293709375	-0.363619679	-0.243308494	-0.19865382
0.27536137	0.354139594	0.243043239	0.30560265
-0.011360835	0.113227703	-0.183817134	-0.073798205
0.0625776	0.053861846	-0.066461267	-0.046003668
-0.030686746	0.035740042	-0.015666656	0.074333599
0.225812052	0.066265426	-0.088307853	-0.113444942
0.008034349	0.145655637	-0.019034392	-0.030764056
0.131417946	-0.39365066	-0.206798953	-0.326387255
0.117011473	0.209037681	0.153025493	0.065498729
0.064932428	-0.274263276	-0.088074245	-0.175348906
-0.005358792	0.332854669	0.185545713	0.338201243
-0.085720658	-0.141227935	-0.175662748	-0.097086595
-0.074457811	0.163973029	-0.106666912	0.041072394
0.028539463	-0.071364913	-0.051006377	-0.009050246
-0.05993629	0.014557519	-0.047319804	-0.069440651
-0.033422665	-0.259205764	-0.07321232	-0.169878951
-0.06390709	-0.097968087	0.016697097	-0.071680023
-0.247252221	-0.270378496	-0.176959884	-0.234829847

0.139909894	-0.168034585	0.033505903	-0.115980115
0.012827682	-0.12133767	0.14124019	-0.006266093
-0.210469841	-0.235053554	0.027583481	-0.044093477
0.011693983	-0.299091512	-0.137826854	-0.242399339
0.182651444	0.153598409	-0.025941325	0.036981561
-0.066624602	-0.142454371	-0.231594825	-0.216796359
0.138093877	-0.127806368	-0.0642442	-0.114993334
-0.115679377	-0.397663342	-0.135297871	-0.178092501
-0.054590395	-0.377367407	-0.410791624	-0.256300921
-0.032489242	-0.060332598	-0.139165691	-0.134847725
0.057568859	-0.278997987	-0.053383988	-0.18242097
-0.075756147	-0.321198587	-0.296211025	-0.296609292
0.259381869	-0.068503735	-0.156393754	-0.155086929
-0.07003906	-0.082963782	-0.234733484	-0.145634248
0.032054712	-0.214797382	-0.073588369	-0.014382487
-0.031844364	-0.379748196	-0.245294135	-0.366653391
0.031998918	-0.40757135	-0.354547962	-0.337202243
-0.027781668	-0.329297553	-0.284831076	-0.341991265
-0.101831254	-0.174764654	-0.171483386	-0.158589621
0.110646732	-0.125609378	-0.054268314	-0.133182927
0.202594141	0.089640346	0.037615089	-0.07132395
-0.106560235	-0.120908594	-0.177389302	-0.269487906
-0.043782714	0.240232042	-0.004315311	0.000954534
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-0.036669511	-0.34193418	-0.222629195	-0.127597673
0.225363027	-0.165746576	0.122294405	-0.019426665
0.301086349	-0.186497718	-0.101518008	-0.239530458
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0.103124878	0.124322201	0.079953289	0.044519377
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-0.164891293	-0.300278559	-0.349902911	-0.204776653
-0.210404742	-0.354413763	-0.330545789	-0.298006586
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-0.069847217	-0.01063565	-0.081617886	-0.062180817
0.009150807	0.015629784	-0.033967219	-0.038566585
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-0.165830854	0.038746254	-0.04841799	-0.128597744
0.171968952	0.363736647	0.314412104	0.366926892
0.13509316	-0.031642663	0.077553184	-0.022561658
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0.099037757	-0.104050535	-0.14098858	-0.154123782
-0.010355725	-0.194350536	-0.137763823	-0.25928233
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-0.146455488	-0.386037612	-0.312206213	-0.284129509
-0.045304418	-0.082996668	-0.132587158	-0.033152253
-0.06019679	-0.50054954	-0.301937616	-0.437694461
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-0.064017956	0.090536545	-0.171150749	-0.138561751
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-0.285777849	-0.416533629	-0.383300284	-0.370252908
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-0.080867162	-0.104330474	-0.123936719	-0.074995114
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-0.00207537	-0.141536671	0.175049685	0.122069549
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-0.132250445	-0.085901081	0.081440374	-0.06909465
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IL6 Spearman's rho	IL8 Spearman's rho	MMP13 Spearman's rho	MyC Spearman's rho
-0.523212001	-0.588041789	-0.558703391	-0.351329406
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-0.082420449	-0.148406368	-0.191858247	-0.025300173
0.031940586	0.007948943	0.119905816	0.050122513
-0.507593228	-0.555442419	-0.472528487	-0.405056632
0.039963497	0.082978263	0.044142818	0.016556193
0.116407235	0.078144477	-0.065717687	0.071169527

REG4 Spearman's rho	SERP1 Spearman's rho	STAT3 Spearman's rho	TLR2 Spearman's rho
-0.345232354	-0.507592318	-0.067772309	-0.365763182
0.096129417	0.010384454	0.06637376	0.016378956
-0.005417969	0.183031001	-0.173239303	-0.091179321
0.055423306	0.099729597	0.050878746	0.161745519
-0.04700551	-0.126294361	-0.000389159	-0.033837998
0.109666307	0.149495007	-0.031688779	0.07445436
-0.203061618	-0.176246559	-0.151454563	-0.151420527
-0.147328234	-0.187567386	0.071683224	-0.036046807
-0.170820943	-0.333061197	-0.000353401	-0.1988416
-0.0068193	0.263405371	0.101257905	0.206437749
0.123056327	-0.105793521	0.116952689	0.037829066
0.289215006	0.420318698	0.014636594	0.289201439
-0.148614654	-0.259570294	0.095412968	0.008763276
-0.093505744	0.012303458	-0.03483405	0.058700209
0.135069528	0.224019523	0.068003063	0.1206401
-0.004564208	0.039652595	-0.188881648	-0.033805958
-0.005715807	-0.042456044	0.087566958	0.083237083
-0.044941823	-0.136476797	-0.111857569	-0.087299903
-0.026482256	0.045063801	-0.068653357	-0.052556895
0.140158881	0.028616803	-0.00169555	-0.1200455
-0.204948389	-0.288963705	0.011331595	-0.140235737
-0.181882929	-0.002631575	-0.055134098	-0.049912592
0.126228547	-0.033952323	0.261235378	0.154439957
-0.221124775	-0.155742417	-0.053711274	-0.06035893
-0.036585061	0.033710754	-0.030082319	-0.065543964
-0.009079289	-0.006718718	0.060695488	-0.006356592
0.006761197	-0.107435531	-0.219060405	-0.023621607
-0.081377974	0.020541859	-0.080493726	-0.096563776
-0.348841796	-0.309719028	-0.120851605	-0.153275916
-0.150065728	-0.174572714	-0.186816387	-0.241221293
0.186682953	0.308843219	0.176101558	0.299322979
0.114705798	-0.108596874	0.074345425	-0.064985618
0.003832268	-0.025471328	0.151279859	0.021122957
-0.019108183	-0.01530135	-0.009292956	-0.045684459
0.090298009	-0.007338019	0.269308438	0.108491924
0.028047736	-0.009895278	-0.063750447	0.015436647
-0.357851962	-0.305090334	0.058766298	-0.047674918
0.136222355	0.103629081	0.069441606	0.144599252
-0.283570031	-0.27620851	-0.014009994	-0.116141466
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-0.18465314	-0.215387567	-0.159881333	-0.155692886
0.140864575	-0.023759548	0.048444201	0.047575419
-0.049619122	-0.132478925	0.075183239	-0.033035668
0.068923401	-0.109039991	0.033035585	0.029181709
0.036738253	-0.150826996	0.099759002	-0.025713162
0.272913117	0.043553261	0.204874669	0.053825732
-0.165382037	-0.186169988	-0.265483812	-0.315980747

0.123979282	0.08281314	0.204304602	0.042300103
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-0.079258864	-0.109719036	-0.104217198	-0.070967172
-0.135829364	-0.24987628	0.072923222	-0.061083287
0.001127884	-0.127741911	0.051870748	0.022730752
-0.190918644	-0.313147387	-0.067478875	-0.16855848
0.025505256	-0.134765161	0.229824968	0.088933965
-0.044160504	-0.171806434	0.05473132	-0.054276085
-0.330568702	-0.504202703	-0.039696512	-0.235272494
0.095006539	0.038046438	0.046121146	-0.016545303
-0.131424441	-0.18810321	0.052981898	-0.009929268
-0.169895058	-0.296003816	-0.073534906	-0.238242063
-0.109672827	-0.126252859	0.286631157	0.056985052
-0.112330996	-0.289849474	-0.129748197	-0.218362574
-0.005326674	-0.109745543	0.107016724	0.027312884
-0.160123008	-0.286242402	0.020937354	-0.145472943
-0.292265773	-0.383623235	-0.018455566	-0.18137712
-0.350232997	-0.336212806	-0.081243535	-0.252824387
-0.039467598	-0.240453485	0.018372414	-0.173834806
-0.074077523	-0.133737226	0.176258906	0.048519117
0.046479067	-0.064884802	0.129436634	0.170241408
-0.084199718	-0.006324115	-0.124455031	-0.122525937
0.186673141	0.155580917	-0.145376853	-0.009945232
-0.071947515	0.236477734	0.000203049	0.092924437
-0.218520159	-0.217120767	-0.014082886	-0.047035433
-0.05465503	-0.011421943	0.066844869	0.103705279
-0.141903335	-0.196642456	0.181465982	0.035387334
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-0.168622868	-0.283294407	0.189960207	-0.046490003
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-0.047328129	-0.096413885	-0.18185301	-0.20679018
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