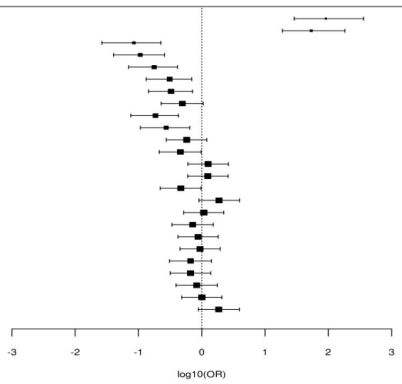
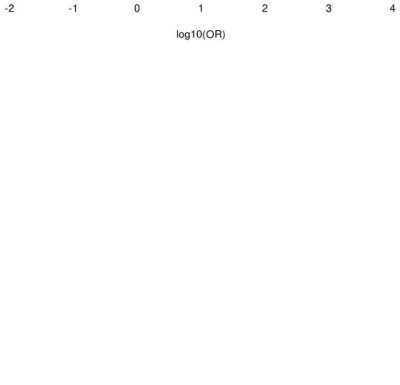
Order

Odds Ratio morbidly obese patients/non-morbidly obese patients

	P	FDR	AUC	Log10 Odds ratio [95% CI]
Bacteroidales	4.9e-18	1.2e-16	0.97	1.96 [1.46, 2.56]
Clostridiales	3.2e-15	4.0e-14	0.92	1.73 [1.27, 2.26]
Xanthomonadales	1.7e-08	1.4e-07	0.8	-1.07 [-1.58, -0.65]
Sphingomonadales	6.4e-08	4.0e-07	0.79	-0.97 [-1.39, -0.59]
Bacillales	1.2e-05	5.9e-05	0.74	-0.75 [-1.16, -0.38]
Thermales	4.8e-04	2.0e-03	0.69	-0.51 [-0.88, -0.16]
Rhizobiales	7.5e-03	2.7e-02	0.64	-0.49 [-0.84, -0.15]
SAR11_clade	4.4e-02	1.4e-01	0.61	-0.31 [-0.64, 0.02]
Rhodobacterales	5.2e-02	1.4e-01	0.6	-0.73 [-1.12, -0.37]
Pseudomonadales	9.3e-02	2.3e-01	0.59	-0.56 [-0.97, -0.19]
Flavobacteriales	1.7e-01	3.8e-01	0.57	-0.24 [-0.56, 0.08]
Enterobacteriales	2.2e-01	4.5e-01	0.57	-0.34 [-0.67, -0.01]
Methylococcales	2.3e-01	4.5e-01	0.56	0.10 [-0.22, 0.42]
Verrucomicrobiales	2.5e-01	4.5e-01	0.56	0.10 [-0.22, 0.42]
Lactobacillales	3.2e-01	5.3e-01	0.55	-0.33 [-0.66, -0.01]
Vibrionales	3.9e-01	6.1e-01	0.55	0.27 [-0.04, 0.60]
Unclassified	5.2e-01	7.6e-01	0.53	0.03 [-0.29, 0.35]
Corynebacteriales	5.7e-01	7.6e-01	0.47	-0.14 [-0.47, 0.18]
Cellvibrionales	6.3e-01	7.6e-01	0.53	-0.06 [-0.38, 0.26]
uncultured_bacterium	6.4e-01	7.6e-01	0.47	-0.03 [-0.34, 0.29]
Oceanospirillales	6.4e-01	7.6e-01	0.53	-0.18 [-0.51, 0.15]
Alteromonadales	7.5e-01	8.2e-01	0.52	-0.18 [-0.50, 0.14]
Propionibacteriales	7.8e-01	8.2e-01	0.52	-0.08 [-0.41, 0.24]
Caulobacterales	7.9e-01	8.2e-01	0.49	0.00 [-0.32, 0.32]
Betaproteobacteriales	9.7e-01	9.7e-01	0.5	0.27 [-0.05, 0.60]



Family

Odds Ratio morbidly obese patients/non-morbidly obese patients

	P	FDR	AUC	Log10 Odds ratio [95% CI]
Muribaculaceae	1.6e-18	4.0e-17	0.97	2.20 [1.64, 2.91]
Lachnospiraceae	3.8e-17	4.8e-16	0.95	1.87 [1.37, 2.47]
Bacteroidaceae	1.9e-16	1.6e-15	0.94	1.72 [1.27, 2.25]
Prevotellaceae	7.4e-14	4.6e-13	0.9	1.65 [1.20, 2.19]
Ruminococcaceae	2.2e-11	1.1e-10	0.86	1.76 [1.28, 2.35]
Rikenellaceae	3.9e-11	1.6e-10	0.86	1.24 [0.84, 1.69]
Sphingomonadaceae	6.4e-08	2.3e-07	0.79	-0.97 [-1.39, -0.59]
Bacillaceae	2.6e-07	8.0e-07	0.78	-0.89 [-1.36, -0.48]
Thermaceae	4.8e-04	1.3e-03	0.69	-0.51 [-0.88, -0.16]
Streptococcaceae	2.0e-03	5.1e-03	0.67	-0.53 [-0.87, -0.20]
Staphylococcaceae	1.5e-02	3.3e-02	0.63	0.44 [0.11, 0.77]
Rhodobacteraceae	5.2e-02	1.1e-01	0.6	-0.73 [-1.12, -0.37]
Lactobacillaceae	6.7e-02	1.3e-01	0.6	0.27 [-0.05, 0.60]
Hyphomonadaceae	1.2e-01	2.2e-01	0.58	0.24 [-0.08, 0.56]
Alcanivoracaceae	1.5e-01	2.4e-01	0.58	0.08 [-0.25, 0.41]
Pseudomonadaceae	2.2e-01	3.3e-01	0.57	-0.38 [-0.75, -0.02]
Cycloclasticaceae	2.3e-01	3.3e-01	0.56	0.10 [-0.22, 0.42]
Flavobacteriaceae	2.4e-01	3.3e-01	0.56	-0.36 [-0.69, -0.04]
Unclassified	2.9e-01	3.8e-01	0.56	-0.27 [-0.59, 0.05]
Moraxellaceae	3.1e-01	3.8e-01	0.56	-0.24 [-0.57, 0.08]
Porticoccaceae	4.3e-01	5.2e-01	0.54	0.15 [-0.17, 0.47]
Propionibacteriaceae	5.4e-01	6.2e-01	0.53	-0.02 [-0.34, 0.31]
uncultured_bacterium	7.1e-01	7.7e-01	0.48	-0.03 [-0.34, 0.29]
Burkholderiaceae	8.3e-01	8.7e-01	0.51	0.27 [-0.05, 0.60]
Alteromonadaceae	8.8e-01	8.8e-01	0.51	0.06 [-0.26, 0.38]