

OTU #	RDP Output	WT	Nod2 ⁻	P-Value	MTC
Consensus198	Bacteroidetes(100);Bacteroidia(85);Bacteroidales(85);Porphyromonadaceae(78);Butyricimonas(21)	0.33	0.08	5.67E-04	0.12
Consensus106	Bacteroidetes(100);Bacteroidia(100);Bacteroidales(100);Porphyromonadaceae(100);Parabacteroides(100)	0.35	0.73	2.27E-03	0.25
Consensus162	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(98);Syntrophococcus(12)	0.10	0.42	3.88E-02	2.83
Consensus31	Bacteroidetes(100);Bacteroidia(100);Bacteroidales(100);Prevotellaceae(100);Prevotella(58)	1.31	1.09	4.32E-02	2.37
Consensus45	Bacteroidetes(100);Bacteroidia(86);Bacteroidales(86);Porphyromonadaceae(84);Paludibacter(28)	0.01	0.51	4.47E-02	1.96
Consensus163	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Pseudoflavonifractor(6)	0.24	0.47	0.06	2.03
Consensus129	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Pseudoflavonifractor(68)	0.30	0.54	0.07	2.05
Consensus155	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Lachnospiracea_incertae_sedis(24)	0.14	0.41	0.07	2.00
Consensus200	TM7(100);TM7_genera_incertae_sedis(100)	0.29	0.14	0.08	1.85
Consensus187	Firmicutes(83);Clostridia(83);Clostridiales(83);Ruminococcaceae(53);Papillibacter(15)	0.00	0.20	0.08	1.72
Consensus189	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Flavonifractor(71)	0.11	0.32	0.08	1.56
Consensus53	Bacteroidetes(100);Bacteroidia(94);Bacteroidales(94);Prevotellaceae(92);Paraprevotella(44)	0.00	0.40	0.08	1.51
Consensus108	Bacteroidetes(99);Bacteroidia(93);Bacteroidales(93);Porphyromonadaceae(92);Butyricimonas(5)	0.48	0.63	0.09	1.51
Consensus97	Bacteroidetes(100);Bacteroidia(100);Bacteroidales(100);Rikenellaceae(100);Alistipes(100)	0.64	0.39	0.09	1.43
Consensus70	Bacteroidetes(100);Bacteroidia(98);Bacteroidales(98);Porphyromonadaceae(87);Barnesiella(36)	0.83	0.63	0.10	1.43
Consensus95	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Lachnospiracea_incertae_sedis(58)	0.71	0.52	0.10	1.39
Consensus44	Proteobacteria(100);Epsilonproteobacteria(100);Campylobacteriales(100);Helicobacteraceae(100);Helicobacter(100)	0.66	0.96	0.10	1.31
Consensus185	Bacteroidetes(100);Bacteroidia(91);Bacteroidales(91);Porphyromonadaceae(86);Paludibacter(17)	0.00	0.16	0.11	1.35
Consensus62	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(99);Clostridium_XIVa(32)	0.54	0.84	0.11	1.31
Consensus220	Bacteroidetes(100);Bacteroidia(86);Bacteroidales(86);Porphyromonadaceae(71);Tannerella(28)	0.20	0.08	0.12	1.32
Consensus194	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(94);Marvinbryantia(33)	0.10	0.29	0.12	1.26
Consensus43	Firmicutes(98);Clostridia(98);Clostridiales(98);Ruminococcaceae(49);Sporobacter(9)	1.02	0.76	0.13	1.31
Consensus13	Bacteroidetes(100);Bacteroidia(89);Bacteroidales(89);Prevotellaceae(76);Hallella(36)	1.72	1.36	0.14	1.30
Consensus9	Bacteroidetes(100);Bacteroidia(91);Bacteroidales(91);Porphyromonadaceae(82);Butyricimonas(41)	2.01	1.86	0.14	1.27
Consensus94	Bacteroidetes(100);Bacteroidia(75);Bacteroidales(75);Porphyromonadaceae(69);Barnesiella(21)	0.71	0.52	0.14	1.22
Consensus145	Actinobacteria(100);Actinobacteria(100);Coriobacteridae(100);Coriobacteriales(100);Coriobacterineae(100);Coriobacteriaceae(100);Slackia(37)	0.33	0.48	0.14	1.17

Consensus142	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(97);Moryella(1)	0.46	0.24	0.14	1.13
Consensus22	Bacteroidetes(100);Bacteroidia(100);Bacteroidales(100);Porphyromonadaceae(99);Barnesiella(59)	1.48	1.39	0.15	1.14
Consensus110	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Lachnospiraceae_incertae_sedis(38)	0.07	0.28	0.15	1.13
Consensus65	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Lachnospiraceae_incertae_sedis(37)	0.81	0.57	0.15	1.10
Consensus15	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Lachnospiraceae_incertae_sedis(41)	1.30	1.58	0.15	1.08
Consensus157	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Oscillibacter(99)	0.28	0.46	0.16	1.07
Consensus144	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(97);Syntrophococcus(69)	0.31	0.49	0.16	1.05
Consensus118	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(99);Coprococcus(14)	0.58	0.35	0.16	1.06
Consensus80	Bacteroidetes(100);Bacteroidia(83);Bacteroidales(83);Porphyromonadaceae(66);Barnesiella(38)	0.74	0.56	0.17	1.05
Consensus4	Root(100);Bacteria(99);Bacteroidetes(73);Sphingobacteria(31);Sphingobacteriales(31);Cyclobacteriaceae(9);Aq uiflexum(7)	2.38	2.29	0.18	1.12
Consensus77	Firmicutes(84);Erysipelotrichia(8);Erysipelotrichales(8);Erysipelotrichaceae(8);Sharpea(33)	0.36	0.59	0.19	1.14
Consensus176	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Lactonifactor(15)	0.32	0.15	0.20	1.13
Consensus211	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Syntrophococcus(3)	0.16	0.28	0.20	1.11
Consensus123	Firmicutes(78);Clostridia(72);Clostridiales(68);Veillonellaceae(33);Anaerovibrio(1)	0.34	0.53	0.21	1.14
Consensus41	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Clostridium XIVa(41)	0.80	1.02	0.22	1.17
Consensus16	Bacteroidetes(100);Bacteroidia(79);Bacteroidales(79);Porphyromonadaceae(69);Barnesiella(3)	1.58	1.66	0.22	1.15
Consensus205	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Lachnospiraceae_incertae_sedis(44)	0.11	0.23	0.23	1.15
Consensus125	Firmicutes(100);Clostridia(99);Clostridiales(99);Lachnospiraceae(97);Robinsoniella(26)	0.33	0.20	0.24	1.19
Consensus127	Firmicutes(99);Clostridia(99);Clostridiales(99);Clostridiales_Incertae Sedis XIII(53);Anaerovorax(38)	0.44	0.30	0.25	1.20
Consensus85	Bacteroidetes(100);Bacteroidia(82);Bacteroidales(82);Porphyromonadaceae(81);Tannerella(35)	0.65	0.44	0.25	1.18
Consensus88	Bacteroidetes(98);Bacteroidia(9);Bacteroidales(9);Porphyromonadaceae(79);Barnesiella(33)	0.68	0.56	0.25	1.17
Consensus178	Actinobacteria(100);Actinobacteria(100);Coriobacteridae(100);Coriobacteriales(100);Coriobacterineae(100);Cori obacteriaceae(100);Olsenella(75)	0.11	0.24	0.25	1.15
Consensus18	Bacteroidetes(98);Bacteroidia(83);Bacteroidales(83);Porphyromonadaceae(75);Paludibacter(2)	1.57	1.39	0.25	1.12
Consensus202	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Flavonifractor(64)	0.19	0.32	0.25	1.11
Consensus136	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Flavonifractor(59)	0.30	0.43	0.25	1.09
Consensus139	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Lachnospiraceae_incertae_sedis(33)	0.30	0.45	0.26	1.08
Consensus175	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(96);Lachnospiraceae_incertae_sedis(31)	0.09	0.23	0.27	1.12

Consensus66	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(96);Anaerostipes(71)	0.73	0.86	0.27	1.11
Consensus210	Bacteroidetes(100);Bacteroidia(100);Bacteroidales(100);Bacteroidaceae(100);Bacteroides(100)	0.19	0.29	0.27	1.09
Consensus128	Firmicutes(98);Erysipelotrichia(93);Erysipelotrichales(93);Erysipelotrichaceae(93);Erysipelotrichaceae_incertae_sedis(9)	0.21	0.36	0.28	1.11
Consensus2	Bacteroidetes(100);Bacteroidia(51);Bacteroidales(51);Porphyromonadaceae(35);Proteiniphilum(15)	2.50	2.63	0.29	1.11
Consensus69	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(99);Butyrivibrio(26)	0.76	0.55	0.29	1.10
Consensus102	Proteobacteria(89);Alphaproteobacteria(87);Kiloniellales(16);Kiloniellaceae(16);Kiloniella(16)	0.35	0.50	0.29	1.08
Consensus26	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Roseburia(55)	0.94	1.19	0.29	1.07
Consensus212	Bacteroidetes(100);Bacteroidia(96);Bacteroidales(96);Porphyromonadaceae(85);Tannerella(21)	0.30	0.19	0.30	1.08
Consensus114	Firmicutes(99);Clostridia(99);Clostridiales(99);Lachnospiraceae(97);Robinsoniella(49)	0.43	0.25	0.31	1.09
Consensus133	Bacteroidetes(100);Bacteroidia(72);Bacteroidales(72);Porphyromonadaceae(45);Tannerella(17)	0.37	0.26	0.31	1.07
Consensus170	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Robinsoniella(22)	0.12	0.26	0.32	1.08
Consensus217	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Oscillibacter(98)	0.22	0.12	0.32	1.07
Consensus38	Bacteroidetes(100);Bacteroidia(100);Bacteroidales(100);Bacteroidaceae(100);Bacteroides(100)	1.00	1.12	0.33	1.10
Consensus74	Bacteroidetes(99);Bacteroidia(65);Bacteroidales(65);Porphyromonadaceae(41);Butyricimonas(27)	0.64	0.78	0.33	1.09
Consensus167	Firmicutes(85);Clostridia(85);Clostridiales(85);Peptococcaceae_1(44);Peptococcus(44)	0.12	0.24	0.34	1.09
Consensus33	Firmicutes(98);Clostridia(98);Clostridiales(98);Ruminococcaceae(97);Clostridium_IV(56)	0.83	1.02	0.35	1.10
Consensus124	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Dorea(42)	0.36	0.23	0.35	1.10
Consensus98	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Pseudoflavonifractor(4)	0.58	0.67	0.35	1.09
Consensus93	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Clostridium_XIVa(48)	0.50	0.65	0.35	1.08
Consensus27	TM7(100);TM7_genera_incertae_sedis(100)	1.41	1.32	0.36	1.07
Consensus203	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Hydrogenoanaerobacterium(43)	0.17	0.26	0.36	1.06
Consensus158	Bacteroidetes(99);Bacteroidia(6);Bacteroidales(6);Porphyromonadaceae(36);Tannerella(1)	0.31	0.39	0.36	1.05
Consensus164	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(97);Acetitomaculum(49)	0.40	0.30	0.36	1.05
Consensus140	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Coprococcus(12)	0.26	0.12	0.37	1.05
Consensus83	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Lachnospiraceae_incertae_sedis(64)	0.30	0.49	0.37	1.04
Consensus61	Bacteroidetes(99);Bacteroidia(71);Bacteroidales(71);Porphyromonadaceae(69);Barnesiella(32)	0.71	0.83	0.37	1.03
Consensus82	Bacteroidetes(99);Flavobacteria(47);Flavobacteriales(47);Cryomorphaceae(47);Fluviicola(46)	0.47	0.63	0.37	1.02

Consensus149	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Syntrophococcus(6)	0.32	0.20	0.38	1.02
Consensus172	Bacteroidetes(100);Bacteroidia(7);Bacteroidales(7);Porphyromonadaceae(62);Tannerella(9)	0.28	0.37	0.38	1.02
Consensus219	Bacteroidetes(100);Bacteroidia(94);Bacteroidales(94);Porphyromonadaceae(87);Butyricimonas(48)	0.12	0.21	0.39	1.02
Consensus195	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Butyrivibrio(5)	0.28	0.19	0.39	1.01
Consensus232	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Oscillibacter(77)	0.17	0.08	0.39	1.01
Consensus51	Bacteroidetes(100);Bacteroidia(77);Bacteroidales(77);Porphyromonadaceae(7);Barnesiella(25)	0.88	0.75	0.39	1.00
Consensus20	Bacteroidetes(100);Bacteroidia(98);Bacteroidales(98);Porphyromonadaceae(86);Tannerella(51)	1.47	1.56	0.39	0.99
Consensus11	Bacteroidetes(100);Bacteroidia(81);Bacteroidales(81);Porphyromonadaceae(81);Paludibacter(31)	1.67	1.59	0.40	0.98
Consensus71	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Anaerotruncus(95)	0.67	0.80	0.40	0.98
Consensus89	Firmicutes(100);Bacilli(100);Bacillales(100);Staphylococcaceae(100);Staphylococcus(100)	0.29	0.16	0.40	0.97
Consensus100	Firmicutes(89);Clostridia(83);Clostridiales(83);Lachnospiraceae(17);Cellulosilyticum(1)	0.43	0.55	0.40	0.97
Consensus1	Firmicutes(100);Bacilli(100);Lactobacillales(100);Lactobacillaceae(100);Lactobacillus(100)	2.60	2.48	0.40	0.96
Consensus207	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Butyricoccus(100)	0.16	0.07	0.40	0.95
Consensus109	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(98);Robinsoniella(39)	0.50	0.37	0.40	0.94
Consensus204	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Lachnospiraceae_incertae_sedis(71)	0.16	0.26	0.41	0.94
Consensus5	Firmicutes(100);Bacilli(100);Lactobacillales(100);Lactobacillaceae(100);Lactobacillus(100)	1.98	1.81	0.41	0.93
Consensus161	Proteobacteria(79);Deltaproteobacteria(48);Bdellovibrionales(32);Bdellovibrionaceae(32);Vampirovibrio(32)	0.33	0.41	0.42	0.95
Consensus192	Firmicutes(68);Bacilli(39);Bacillales(27);Bacillaceae_2(17);Paucisalibacillus(1)	0.25	0.13	0.42	0.94
Consensus47	Firmicutes(100);Bacilli(100);Lactobacillales(100);Lactobacillaceae(100);Lactobacillus(100)	0.89	0.75	0.42	0.93
Consensus8	Bacteroidetes(100);Bacteroidia(9);Bacteroidales(9);Porphyromonadaceae(76);Butyricimonas(18)	1.97	1.90	0.43	0.93
Consensus76	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Oscillibacter(100)	0.57	0.70	0.43	0.94
Consensus165	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(95);Clostridium_XIVa(33)	0.02	0.13	0.44	0.93
Consensus150	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Syntrophococcus(89)	0.41	0.31	0.45	0.95
Consensus30	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(89);Acetitomaculum(2)	0.85	0.68	0.45	0.96
Consensus36	Root(100);Bacteria(99);Bacteroidetes(96);Bacteroidia(63);Bacteroidales(63);Porphyromonadaceae(48);Proteiniphilum(23)	1.07	1.15	0.46	0.95
Consensus148	Bacteroidetes(100);Bacteroidia(100);Bacteroidales(100);Rikenellaceae(100);Alistipes(100)	0.36	0.27	0.47	0.97
Consensus214	Bacteroidetes(99);Bacteroidia(94);Bacteroidales(94);Porphyromonadaceae(78);Butyricimonas(29)	0.24	0.17	0.48	0.97

Consensus42	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(96);Robinsoniella(12)	0.74	0.58	0.48	0.98
Consensus6	Firmicutes(91);Erysipelotrichia(85);Erysipelotrichales(85);Erysipelotrichaceae(85);Allobaculum(63)	1.53	1.70	0.48	0.97
Consensus143	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Oscillibacter(100)	0.42	0.34	0.48	0.97
Consensus64	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(99);Syntrophococcus(62)	0.15	0.29	0.49	0.97
Consensus215	Firmicutes(99);Clostridia(99);Clostridiales(99);Ruminococcaceae(99);Acetanaerobacterium(49)	0.21	0.14	0.49	0.96
Consensus21	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(99);Butyrivibrio(52)	1.27	1.41	0.49	0.95
Consensus169	Bacteroidetes(100);Bacteroidia(93);Bacteroidales(93);Porphyromonadaceae(87);Tannerella(39)	0.34	0.26	0.49	0.95
Consensus156	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Robinsoniella(29)	0.34	0.25	0.50	0.94
Consensus34	Bacteroidetes(93);Sphingobacteria(47);Sphingobacteriales(47);Cytophagaceae(26);Meniscus(25)	1.03	1.11	0.50	0.95
Consensus87	Bacteroidetes(99);Bacteroidia(97);Bacteroidales(97);Porphyromonadaceae(91);Barnesiella(57)	0.67	0.59	0.51	0.95
Consensus190	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(98);Clostridium XIVb(98)	0.20	0.27	0.51	0.94
Consensus132	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Lachnospiracea_incertae_sedis(84)	0.47	0.53	0.52	0.96
Consensus216	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Clostridium XIVa(43)	0.18	0.23	0.53	0.96
Consensus226	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Marvinbryantia(46)	0.10	0.16	0.53	0.96
Consensus91	Bacteroidetes(100);Bacteroidia(84);Bacteroidales(84);Porphyromonadaceae(79);Tannerella(28)	0.62	0.70	0.53	0.95
Consensus12	Bacteroidetes(100);Bacteroidia(94);Bacteroidales(94);Porphyromonadaceae(79);Barnesiella(34)	1.69	1.63	0.53	0.95
Consensus37	Bacteroidetes(100);Bacteroidia(100);Bacteroidales(100);Rikenellaceae(100);Alistipes(100)	1.09	1.00	0.54	0.95
Consensus119	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Coprococcus(18)	0.32	0.41	0.54	0.95
Consensus39	Bacteroidetes(100);Bacteroidia(100);Bacteroidales(100);Porphyromonadaceae(100);Parabacteroides(100)	0.98	1.07	0.55	0.95
Consensus113	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Clostridium XIVa(53)	0.23	0.32	0.55	0.94
Consensus179	Bacteroidetes(100);Bacteroidia(100);Bacteroidales(100);Porphyromonadaceae(100);Odoribacter(99)	0.33	0.28	0.55	0.94
Consensus182	Bacteroidetes(100);Bacteroidia(100);Bacteroidales(100);Rikenellaceae(100);Alistipes(100)	0.30	0.24	0.56	0.96
Consensus160	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(99);Robinsoniella(34)	0.38	0.30	0.58	0.97
Consensus84	Bacteroidetes(100);Bacteroidia(93);Bacteroidales(93);Porphyromonadaceae(78);Tannerella(26)	0.65	0.72	0.58	0.97
Consensus181	Bacteroidetes(100);Bacteroidia(100);Bacteroidales(100);Prevotellaceae(91);Paraprevotella(89)	0.19	0.26	0.58	0.96
Consensus28	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(99);Anaerostipes(32)	1.34	1.27	0.59	0.97
Consensus19	Bacteroidetes(100);Bacteroidia(97);Bacteroidales(97);Porphyromonadaceae(86);Barnesiella(52)	1.39	1.47	0.59	0.97

Consensus104	Bacteroidetes(100);Bacteroidia(97);Bacteroidales(97);Porphyromonadaceae(76);Barnesiella(49)	0.31	0.22	0.60	0.97
Consensus58	Firmicutes(100);Clostridia(99);Clostridiales(99);Lachnospiraceae(99);Acetomaculum(4)	0.64	0.74	0.60	0.96
Consensus188	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Robinsoniella(39)	0.19	0.26	0.60	0.96
Consensus49	Bacteroidetes(100);Bacteroidia(86);Bacteroidales(86);Porphyromonadaceae(82);Barnesiella(42)	0.90	0.95	0.61	0.97
Consensus3	Firmicutes(63);Clostridia(57);Clostridiales(56);Clostridiales_Incertae Sedis XI(25);Finegoldia(17)	0.50	0.41	0.62	0.97
Consensus131	Actinobacteria(100);Actinobacteria(100);Coriobacteridae(100);Coriobacteriales(100);Coriobacterineae(100);Coriobacteriaceae(100);Enterorhabdus(100)	0.40	0.44	0.62	0.97
Consensus168	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(98);Anaerotruncus(45)	0.29	0.23	0.63	0.97
Consensus17	Firmicutes(100);Erysipelotrichia(100);Erysipelotrichales(100);Erysipelotrichaceae(100);Turicibacter(100)	0.68	0.84	0.63	0.96
Consensus134	Firmicutes(99);Clostridia(99);Clostridiales(99);Ruminococcaceae(99);Acetanaerobacterium(37)	0.37	0.43	0.63	0.96
Consensus177	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Lachnospiraceae_incertae_sedis(4)	0.27	0.21	0.63	0.97
Consensus180	Bacteroidetes(100);Bacteroidia(100);Bacteroidales(100);Rikenellaceae(100);Alistipes(99)	0.30	0.35	0.64	0.97
Consensus59	Bacteroidetes(100);Bacteroidia(96);Bacteroidales(96);Porphyromonadaceae(95);Barnesiella(42)	0.84	0.77	0.65	0.97
Consensus184	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Roseburia(79)	0.18	0.22	0.66	0.98
Consensus23	Firmicutes(99);Erysipelotrichia(92);Erysipelotrichales(92);Erysipelotrichaceae(92);Allobaculum(55)	0.90	1.01	0.66	0.98
Consensus92	Bacteroidetes(100);Bacteroidia(94);Bacteroidales(94);Porphyromonadaceae(91);Tannerella(3)	0.57	0.63	0.66	0.97
Consensus126	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(96);Syntrophococcus(28)	0.43	0.37	0.67	0.97
Consensus81	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Anaerotruncus(57)	0.65	0.60	0.67	0.97
Consensus183	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Lachnospiraceae_incertae_sedis(42)	0.28	0.23	0.67	0.96
Consensus154	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Lachnospiraceae_incertae_sedis(75)	0.42	0.37	0.67	0.96
Consensus201	Firmicutes(94);Clostridia(83);Clostridiales(83);Peptococcaceae 1(11);Desulfonispota(1)	0.15	0.19	0.68	0.96
Consensus221	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Coproccoccus(43)	0.13	0.17	0.68	0.96
Consensus196	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(99);Syntrophococcus(68)	0.19	0.23	0.68	0.96
Consensus152	Bacteroidetes(100);Bacteroidia(100);Bacteroidales(100);Bacteroidaceae(100);Bacteroides(100)	0.29	0.23	0.69	0.96
Consensus137	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Oscillibacter(71)	0.38	0.43	0.69	0.96
Consensus230	Firmicutes(100);Erysipelotrichia(100);Erysipelotrichales(100);Erysipelotrichaceae(100);Coproccoccus(84)	0.09	0.12	0.69	0.95
Consensus78	Bacteroidetes(100);Bacteroidia(100);Bacteroidales(100);Rikenellaceae(100);Alistipes(100)	0.63	0.69	0.71	0.97
Consensus171	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Clostridium XIVa(66)	0.29	0.24	0.72	0.98

Consensus141	Firmicutes(100);Clostridia(100);Clostridiales(100);Clostridiaceae 1(100);Clostridium sensu stricto(100)	0.11	0.15	0.73	0.98
Consensus121	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(98);Robinsoniella(35)	0.33	0.28	0.73	0.98
Consensus147	Bacteroidetes(100);Bacteroidia(99);Bacteroidales(99);Rikenellaceae(99);Alistipes(99)	0.34	0.30	0.74	0.99
Consensus186	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(99);Anaerotruncus(43)	0.23	0.27	0.74	0.98
Consensus101	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(99);Robinsoniella(29)	0.50	0.44	0.74	0.98
Consensus14	Bacteroidetes(100);Bacteroidia(88);Bacteroidales(88);Porphyromonadaceae(77);Tannerella(34)	1.52	1.56	0.75	0.98
Consensus96	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Pseudoflavonifractor(64)	0.55	0.51	0.75	0.98
Consensus25	Bacteroidetes(99);Bacteroidia(9);Bacteroidales(9);Porphyromonadaceae(8);Paludibacter(18)	1.39	1.36	0.75	0.97
Consensus99	Firmicutes(99);Clostridia(99);Clostridiales(99);Lachnospiraceae(91);Syntrophococcus(6)	0.52	0.47	0.77	0.99
Consensus120	Firmicutes(91);Clostridia(91);Clostridiales(91);Peptococcaceae 1(2);Peptococcus(2)	0.27	0.31	0.77	0.99
Consensus35	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Anaerostipes(28)	0.75	0.82	0.77	0.98
Consensus67	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(97);Ruminococcus(96)	0.61	0.65	0.78	0.98
Consensus173	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Butyricoccus(99)	0.22	0.26	0.78	0.98
Consensus63	Firmicutes(100);Clostridia(87);Clostridiales(87);Lachnospiraceae(82);Lachnobacterium(16)	0.68	0.62	0.78	0.98
Consensus159	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Clostridium XIVa(9)	0.37	0.33	0.79	0.99
Consensus10	Bacteroidetes(100);Bacteroidia(96);Bacteroidales(96);Porphyromonadaceae(76);Barnesiella(32)	1.79	1.76	0.81	1.00
Consensus55	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(97);Robinsoniella(47)	0.66	0.62	0.81	1.00
Consensus193	Bacteroidetes(100);Bacteroidia(76);Bacteroidales(76);Rikenellaceae(72);Rikenella(48)	0.25	0.28	0.81	0.99
Consensus52	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Lachnospiracea_incertae_sedis(56)	0.22	0.16	0.81	0.99
Consensus56	Bacteroidetes(100);Sphingobacteria(34);Sphingobacteriales(34);Cytophagaceae(33);Meniscus(33)	0.73	0.77	0.82	0.99
Consensus166	Bacteroidetes(99);Bacteroidia(88);Bacteroidales(88);Porphyromonadaceae(8);Barnesiella(37)	0.26	0.29	0.82	0.99
Consensus227	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Pseudoflavonifractor(91)	0.15	0.17	0.82	0.98
Consensus29	Firmicutes(92);Clostridia(82);Clostridiales(82);Lachnospiraceae(47);Sporobacterium(34)	0.93	0.88	0.82	0.98
Consensus213	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(99);Anaerotruncus(58)	0.16	0.18	0.84	0.99
Consensus112	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(92);Coprococcus(19)	0.51	0.48	0.84	0.99
Consensus174	Firmicutes(99);Clostridia(99);Clostridiales(99);Lachnospiraceae(99);Lachnospiracea_incertae_sedis(31)	0.28	0.26	0.86	1.00
Consensus75	Bacteroidetes(100);Sphingobacteria(37);Sphingobacteriales(37);Cytophagaceae(32);Meniscus(29)	0.70	0.72	0.87	1.02

Consensus115	Bacteroidetes(100);Bacteroidia(52);Bacteroidales(52);Porphyromonadaceae(35);Tannerella(11)	0.51	0.53	0.88	1.02
Consensus135	Firmicutes(6);Erysipelotrichia(31);Erysipelotrichales(31);Erysipelotrichaceae(31);Allobaculum(26)	0.38	0.40	0.88	1.01
Consensus223	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(99);Butyrivibrio(77)	0.18	0.16	0.88	1.01
Consensus68	Bacteroidetes(100);Bacteroidia(97);Bacteroidales(97);Porphyromonadaceae(85);Barnesiella(44)	0.77	0.79	0.89	1.01
Consensus40	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(99);Lachnospiracea_incertae_sedis(31)	0.62	0.65	0.89	1.01
Consensus146	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Pseudoflavonifractor(77)	0.36	0.38	0.90	1.02
Consensus191	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(99);Acetitomaculum(25)	0.23	0.24	0.90	1.01
Consensus60	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(94);Robinsoniella(27)	0.60	0.62	0.90	1.01
Consensus151	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Lachnospiracea_incertae_sedis(47)	0.31	0.32	0.92	1.02
Consensus72	Bacteroidetes(100);Bacteroidia(97);Bacteroidales(97);Porphyromonadaceae(97);Barnesiella(46)	0.69	0.67	0.93	1.02
Consensus228	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Clostridium IV(69)	0.12	0.13	0.93	1.03
Consensus111	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Oscillibacter(75)	0.33	0.34	0.94	1.03
Consensus225	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Oscillibacter(82)	0.14	0.15	0.94	1.02
Consensus117	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Clostridium XIVa(38)	0.47	0.47	0.94	1.02
Consensus105	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Anaerotruncus(98)	0.49	0.50	0.95	1.02
Consensus54	Proteobacteria(100);Betaproteobacteria(100);Burkholderiales(100);Sutterellaceae(100);Parasutterella(100)	0.75	0.76	0.95	1.02
Consensus32	Bacteroidetes(100);Bacteroidia(84);Bacteroidales(84);Porphyromonadaceae(77);Tannerella(38)	0.30	0.32	0.95	1.02
Consensus103	Firmicutes(100);Clostridia(100);Clostridiales(99);Lachnospiraceae(81);Lachnobacterium(2)	0.49	0.48	0.95	1.01
Consensus90	Firmicutes(88);Clostridia(88);Clostridiales(88);Ruminococcaceae(46);Anaerotruncus(16)	0.64	0.65	0.97	1.02
Consensus79	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(99);Robinsoniella(76)	0.62	0.62	0.97	1.02
Consensus130	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Lachnospiracea_incertae_sedis(53)	0.32	0.31	0.98	1.02
Consensus122	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(97);Robinsoniella(48)	0.37	0.37	0.98	1.02
Consensus50	Bacteroidetes(99);Bacteroidia(71);Bacteroidales(71);Rikenellaceae(16);Rikenella(16)	0.88	0.88	0.98	1.01
Consensus24	Bacteroidetes(100);Bacteroidia(72);Bacteroidales(72);Marinilabiaceae(12);Anaerophaga(12)	1.22	1.23	0.98	1.01
Consensus46	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Marvinbryantia(95)	0.82	0.83	0.98	1.00
Consensus116	Bacteroidetes(100);Bacteroidia(100);Bacteroidales(100);Bacteroidaceae(100);Bacteroides(100)	0.50	0.50	0.98	1.01
Consensus48	Firmicutes(100);Clostridia(100);Clostridiales(100);Lachnospiraceae(100);Lachnospiracea_incertae_sedis(53)	0.69	0.70	0.99	1.01

Consensus209	Bacteroidetes(100);Bacteroidia(98);Bacteroidales(98);Porphyromonadaceae(95);Odoribacter(88)	0.13	0.13	0.99	1.01
Consensus206	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Oscillibacter(83)	0.21	0.21	0.99	1.00
Consensus86	Firmicutes(97);Clostridia(95);Clostridiales(95);Lachnospiraceae(85);Sporobacterium(24)	0.33	0.32	0.99	1.00
Consensus73	Firmicutes(100);Clostridia(100);Clostridiales(100);Ruminococcaceae(100);Oscillibacter(99)	0.66	0.66	1.00	1.00

Supplemental Table 3. *OTU distribution in WT and Nod2^{-/-} mice.* For all OTUs with at least 25 sequences observed in stool samples, this table demonstrates the results of a t-test in which the null hypothesis that the distribution of the OTU is the same in WT and *Nod2^{-/-}* animals. The “OTU” column is an identifier which can be used to map the exact sequence of the OTU using the supplemental sequence file available for this manuscript. The “RDP output” shows the results of running the consensus sequence from AbundantOTU for each OTU through the stand-alone RDP classifier version 2.4. Numbers in parentheses represent scores assigned by the classifier to indicate the strength of the match. The “MTC” column shows correction for multiple testing (in this case testing 219 OTUs) using the Benjamini and Hochberg procedure. In this analysis, the average value for WT and KO animals in each cage was used, although very similar results were obtained considering each OTU values for each animal independently of cage (data not shown).