

## IBS h B amplicons family: rank matrix & stability

	Prevotellaceae	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
	Bacteroidaceae	5	5	4	2	2	5	2	4	2	3	5	3	2	2	83.9
	Ruminococcaceae	2	2	3	4	5	3	4	2	4	5	2	2	5	3	85.4
	Lachnospiraceae	3	4	5	3	4	2	3	3	3	4	4	5	3	5	86.8
	Alcaligenaceae	4	3	2	5	6	4	5	5	6	2	3	4	4	6	85.4
	Porphyromonadaceae	7	6	6	7	3	6	6	6	5	7	6	7	7	4	84.6
	uc_Clostridiales	8	7	7	6	9	7	7	7	7	6	7	6	6	8	89.1
	Rikenellaceae	6	8	9	9	8	8	9	10	8	9	8	8	8	7	89.8
	uc_Bacteria	9	12	10	8	7	9	8	8	9	8	10	9	9	9	86.8
	uc_Bacteroidales	10	10	8	11	10	11	10	9	10	10	9	12	11	10	87.6
	Veillonellaceae	16	13	12	10	11	35	15	11	12	11	11	10	10	12	58.8
	uc_Firmicutes	14	17	11	18	36	10	11	14	15	20	18	13	18	15	43.5
	Erysipelotrichaceae	12	9	25	25	14	29	14	13	11	16	14	21	13	18	42.7
Clostridiales_incertae_sedis_XIV		11	15	22	15	15	24	13	12	13	26	23	16	12	14	53.5
	Peptostreptococcaceae	13	11	15	30	31	15	34	30	14	12	31	23	17	32	24.9
	Pasteurellaceae	22	14	30	29	30	14	33	29	18	17	12	11	31	20	30.8
	uc_Proteobacteria	36	35	35	35	13	18	12	35	35	36	35	36	15	22	39.3
	Desulfovibrionaceae	19	25	23	13	16	27	29	24	27	15	26	30	16	11	41.8
	uc_Bacteroidetes	15	32	16	33	17	33	20	19	19	13	15	15	34	21	27.2
	uc_Clostridia	23	34	34	16	35	17	22	34	34	19	34	14	36	16	13.3
	Eubacteriaceae	30	16	26	26	27	30	19	18	16	30	27	32	14	13	47.6
	Coriobacteriaceae	18	24	14	24	12	26	18	17	26	28	25	29	26	17	43.5
	Leuconostocaceae	21	28	28	17	29	13	32	27	30	32	29	17	29	31	37.7
	Victivallaceae	17	36	36	36	19	36	23	36	36	14	36	18	19	36	16.2
	Streptococcaceae	34	31	32	32	33	16	36	32	32	18	17	34	33	34	48.5
	Oxalobacteraceae	32	29	29	28	18	31	16	28	17	33	30	22	30	19	31.8
	Halomonadaceae	31	27	27	27	28	12	31	26	29	31	28	33	28	30	55.5
	Enterobacteriaceae	20	26	24	14	26	28	30	25	28	29	16	31	27	29	46.2
	Clostridiaceae	27	21	20	12	23	22	17	23	23	24	21	26	23	26	63.3
	Comamonadaceae	29	23	13	23	25	25	28	16	25	27	24	28	25	28	55.0
Clostridiales_incertae_sedis_XIII		28	22	21	22	24	23	27	15	24	25	22	27	24	27	58.8
	Chloroplast	26	20	19	21	22	21	26	22	22	23	13	25	22	25	65.6
	uc_Burkholderiales	35	33	33	34	34	34	21	33	33	35	33	35	35	35	74.3
	Bacillaceae	24	18	17	19	20	19	24	20	20	21	19	19	20	23	79.7
	Campylobacteraceae	25	19	18	20	21	20	25	21	21	22	20	20	21	24	79.7
	Staphylococcaceae	33	30	31	31	32	32	35	31	31	34	32	24	32	33	74.3
		B_1	B_2	B_3	B_4	B_5	B_6	B_7	B_8	B_9	B_10	B_11	B_12	B_13	B_14	B_15