

Supplementary table S1: Calculation of WoE-IV / Bins count separating animal and human studies

PREDICTIVE VARIABLE	RESPONSE VARIABLE	INFORMATION VALUE (IV)	BINS	REFERENCES	CORPORA
Sulfated polysaccharides	Lactobacillus decrease	1.223	1	88	animal
Gelatinized starch	Prevotella increase	1.610	2	23,90	animal
Sulfated Polysaccharides	Desulfovibrio increase	1.223	1	18	animal
Fungal Polysaccharides	Proteobacteria decrease	1.223	1	114	animal
Sulfated Polysaccharides	Turicibacter increase	1.223	1	97	animal
Sulfated Polysaccharides	Odoribacter increase	1.223	1	18	animal
Oligosaccharides	Lactobacillus increase	0.941	6	18,24,95,104,111,113	animal
Oligosaccharides	Enterococcus decrease	0.777	2	24,104	animal
Resistant starch	Firmicutes increase	0.770	1	96	animal
Starch	Firmicutes increase	0.620	1	96	animal
Carbohydrates naturally occurring in food	Bacteroides increase	0.975	2	111,113	animal
Insoluble fiber	Bacteroides increase	0.594	4	90,92,97,111	animal
Soluble fiber	Bacteroides increase	0.974	5	90,92,97,109,112	animal
Insoluble fiber	Firmicutes decrease	0.371	4	99,108,110,111	animal
Sulfated Polysaccharides	Roseburia increase	1.223	1	97	animal
Sulfated Polysaccharides	Enterococcus decrease	0.558	1	97	animal
Fructan	Faecalibacterium increase	0.347	1	122	human

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