

Uncl. Genus Bacteroides	M00505	KinB–AlgB (alginate production) two–component regulatory system	Grain Product	Carbohydrate
Faecalibacterium prausnitzii	M00564	Helicobacter pylori pathogenicity signature, cagA pathogenicity island	Sugars Sweets and Beverages	Total Fat
Bacteroides uniformis	M00471	NarX–NarL (nitrate respiration) two–component regulatory system	Meat Poultry Fish and Mixtures	Protein
Prevotella copri	M00440	Nickel transport system	Milk and Milk Products	Sugars, total
Alistipes putredinis	M00529	Denitrification, nitrate => nitrogen	Vegetables	Fiber, total dietary
Uncl. Order Bacteroidales	M00566	Dipeptide transport system, Firmicutes	Fruits	Sodium
Bacteroides stercoris	M00227	Glutamine transport system	Dry Beans Peas Other Legumes Nuts and Seeds	Potassium
Bacteroides dorei	M00239	Peptides/nickel transport system	Eggs	Phosphorus
Bacteroides vulgatus	M00452	CusS–CusR (copper tolerance) two–component regulatory system	Fats Oils and Salad Dressings	Alcohol
Alistipes shahii	M00455	TorS–TorR (trimethylamine N–oxide respiration) two–component regulatory system		Calcium
Uncl. Genus Parabacteroides	M00480	VraS–VraR (cell–wall peptidoglycan synthesis) two–component regulatory system		Magnesium
Alistipes finegoldii	M00347	Methanogenesis, formate => methane		Choline, total
Uncl. Genus Alistipes	M00450	BaeS–BaeR (envelope stress response) two–component regulatory system		Cholesterol
Uncl. Order Clostridiales	M00217	D–Allose transport system		Caffeine
Bacteroides ovatus	M00267	PTS system, N–acetylglucosamine–specific II component		Vitamin C
Parabacteroides merdae	M00445	EnvZ–OmpR (osmotic stress response) two–component regulatory system		Theobromine
Bacteroides caccae	M00188	NitT/TauT family transport system		Niacin
Bacteroides cellulosilyticus	M00190	Iron(III) transport system		Iron
Bacteroides fragilis	M00030	Lysine biosynthesis, 2–oxoglutarate => 2–aminoadipate => lysine		Zinc
Bacteroides thetaiotaomicron	M00276	PTS system, mannose–specific II component		Vitamin E, alpha–tocopherol
Alistipes obesi				Carotene, beta
[Eubacterium] rectale				Lutein + zeaxanthin
Bacteroides coprocola				Lycopene
Bacteroides plebeius				Riboflavin
Alistipes onderdonkii				Vitamin B–6
Bacteroides massiliensis				Thiamin
Barnesiella intestinihominis				Copper
Paraprevotella clara				Vitamin A
Roseburia faecis				Folate
Bifidobacterium adolescentis				Retinol
[Eubacterium] siraeum				Folate, total
Uncl. Family Rikenellaceae				Carotene, alpha
Fusicatenibacter saccharivorans				Added Vitamin E
Alistipes sp. AL–1				Folate, food
Other				Vitamin K, phyloquinone
				Folic acid
				Selenium
				Cryptoxanthin, beta
				Vitamin D (D2 + D3)
				Vitamin B–12
				Added Vitamin B–12