

Supplementary Figure 9. Taxonomic Lineages Represented in Reference Databases

Dataset	Level	Full	Partial	Fraction
B1	Kingdom	2	2	0.000
	Phylum	91	91	0.000
	Class	319	318	0.001
	Order	664	662	0.003
	Family	1116	1112	0.004
	Genus	2930	2862	0.023
	Species	4163	4006	0.038
B2	Kingdom	2	2	0.000
	Phylum	91	90	0.004
	Class	319	318	0.003
	Order	664	662	0.003
	Family	1116	1111	0.004
	Genus	2930	2864	0.022
	Species	4163	4008	0.037
F1	Kingdom	1	1	0.000
	Phylum	9	9	0.000
	Class	43	42	0.023
	Order	158	155	0.015
	Family	540	529	0.020
	Genus	2771	2689	0.029
	Species	19611	18465	0.058
F2	Kingdom	1	1	0.000
	Phylum	9	9	0.000
	Class	43	42	0.009
	Order	158	157	0.004
	Family	540	533	0.013
	Genus	2771	2693	0.028
	Species	19611	18479	0.058

*Full= number of taxonomic IDs in full reference database; Partial = number in partial reference database; Fraction = fraction of taxonomic IDs not represented in full reference database