

Table 3: Average amino acid content by taxonomy

Index	A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y
Archaea	8.4 ± 0.096	0.89 ± 0.03	6.5 ± 0.075	8.1 ± 0.1	3.7 ± 0.056	7.7 ± 0.079	1.8 ± 0.034	6.5 ± 0.07	5.1 ± 0.08	9.2 ± 0.086	2.2 ± 0.037	3.5 ± 0.061	4.3 ± 0.051	2.3 ± 0.042	5.8 ± 0.078	6.1 ± 0.07	5.5 ± 0.07	8.1 ± 0.073	1.0 ± 0.03	3.3 ± 0.05
Bacteria	9.9 ± 0.087	0.99 ± 0.024	5.4 ± 0.051	6.1 ± 0.074	3.9 ± 0.051	7.7 ± 0.068	2.1 ± 0.034	6.1 ± 0.06	4.8 ± 0.068	1e+01 ± 0.082	2.3 ± 0.033	3.6 ± 0.049	4.7 ± 0.05	3.6 ± 0.048	6.0 ± 0.065	6.0 ± 0.057	5.4 ± 0.051	7.2 ± 0.062	1.3 ± 0.03	2.9 ± 0.041
Eukaryota	7.6 ± 0.073	1.7 ± 0.035	5.5 ± 0.048	6.4 ± 0.072	3.9 ± 0.046	6.3 ± 0.071	2.4 ± 0.03	5.3 ± 0.052	5.8 ± 0.075	9.2 ± 0.078	2.2 ± 0.027	4.5 ± 0.051	5.3 ± 0.063	4.2 ± 0.059	5.6 ± 0.056	8.3 ± 0.077	5.6 ± 0.046	6.1 ± 0.052	1.2 ± 0.023	3.0 ± 0.038
Viruses	6.6 ± 0.45	2.1 ± 0.26	5.3 ± 0.32	5.7 ± 0.36	4.0 ± 0.29	6.6 ± 0.51	2.3 ± 0.24	5.3 ± 0.33	5.5 ± 0.48	9.1 ± 0.51	2.2 ± 0.22	4.3 ± 0.34	5.6 ± 0.39	4.2 ± 0.4	6.0 ± 0.41	7.3 ± 0.42	6.3 ± 0.38	6.5 ± 0.46	1.7 ± 0.15	3.4 ± 0.32