

Supplementary material**Table 1:** Prediction performance of GSTaxClassifier for the test data sets from bacteria, archaea, and eukaryotes

Taxonomic rank		Bacteria (n = 1,000)		Archaea (n = 1,000)		Eukaryota (n = 1,000)	
		400 bp	1,000 bp	400 bp	1,000 bp	400 bp	1,000 bp
Accuracy (%)	Kingdom	92.5	95.3	91.5	96.4	73.6	76.5
	Phylum	77.8	78.0	70.4	76.2	61.2	75.9
	Order	63.2	67.4	60.9	71.9	54.3	57.8