



**Fig. S2.** The coverage for the 33 candidate sequences of universal primers in each of the bacterial and archaeal phyla rRNA genes in our in-house high quality RDP database, and the chloroplastic, mitochondrial, and eukaryotic rRNA genes in the CRW-derived and above-described database. Each column indicates the coverage for a candidate sequence from each of the bacterial and archaeal phyla rRNA genes, and the chloroplastic, mitochondrial, and eukaryotic rRNA genes by color intensity: blue = low coverage, and pale orange = high coverage. The number of genera is provided in parentheses.