

Table S1

Kingdom	Division	Class	Localisation	T142	Clade or genus	T149	Clade or genus
Bacteria	Bacteroidetes	Flavobacteria				1	<i>Zunongwangia</i>
Bacteria	Deferribacteres	Deferribacterales				1	SAR406
Bacteria	Proteobacteria	Alphaproteobacteria		4	<i>Roseobacter, Pelagibacter</i> (SAR11)	5	<i>Roseobacter, Pelagibacter</i> (SAR11)
Bacteria	Proteobacteria	Gammaproteobacteria		2	<i>Marinomonas, Pseudospirillum</i>	3	SAR86, SAR92
Bacteria	Proteobacteria	Deltaproteobacteria		1	<i>Bacteriovorax</i>	3	<i>Bacteriovorax</i>
Eukaryota	Chlorophyta	Mamelliophyceae	nuclear	1	<i>Bathycoccus</i>	1	<i>Bathycoccus</i>
Eukaryota	Stremenopiiles	Dictyochophyceae	nuclear			1	<i>Apedinella</i>
Eukaryota	Chlorophyta	Mamelliophyceae	plastid	2	<i>Bathycoccus, Micromonas</i>	1	<i>Micromonas</i>
Eukaryota	Chlorophyta	Mamelliophyceae	mitochondrion	4	<i>Ostreococcus, Micromonas</i>	2	<i>Micromonas</i>
Eukaryota	Stremenopiiles	Chrysophyceae	mitochondrion			2	<i>Chrysodidymus</i>
			Total	14		20	
Only hits > 200 bp were considered							