

Protein function	Gene	Number of riboswitches in metagenomes (grouped by taxonomy)		
		Sargasso Sea	Minnesota Sea γ -Proteobacteria	Whale Falls δ -Proteobacteria
3,4-dihydroxy-2-butanone 4-phosphate synthase (COG0108)	<i>ribB</i>	-	1	1
Pyrimidine reductase, riboflavin biosynthesis (COG1985)	<i>ribD</i>	Bacteria	1	-
Riboflavin synthase alpha chain (COG0307)	<i>ribC</i>	Bacteria	1	-
Riboflavin synthase beta-chain (COG0054)	<i>ribH</i>	-	Bacteria	1
				α -Proteobacteria
				2

Additional file 2: RFN-elements (FMN-riboswitches) and their regulated functions identified in three metagenomes.