

Protein function	Gene	Number of riboswitches in metagenomes (grouped by taxonomy)				
		Sargasso Sea	Minnesota Soil	Whale Falls		
Predicted membrane protein (COG2119)	-	-	$\beta$ -Proteobacteria	1	$\alpha$ -Proteobacteria	1
Predicted membrane protein (COG1971)	-	2	$\gamma$ -Proteobacteria	-		-
Membrane protein TerC, possibly involved in tel- lurium resistance (COG0861)	<i>terC</i>	-	Bacteria	4		-
Unknown function	No ORF	-		1		2
	No similar proteins	-		-		-
	End of DNA fragment	-		-		-

Additional file 7: YYBP/YKQY riboswitches and their regulated functions identified in three metagenomes.