

**Table S5. Singletons present in the *R. bellii* str. RML369-C genome.**

<b>RiOG</b>	<b>Annotation (97)<sup>1</sup></b>	<b>Size<sup>2</sup></b>
3504	ATP synthase subunit alpha	251
3066	F-box/LRR-repeat protein 13	279
2863	Fibroin heavy chain precursor	180
3167	GTP-binding protein	199
2378	small GTP-binding protein domain	216
2131	Modification methylase BsuRI	147
2881	NAD-specific glutamate dehydrogenase	140
3431	Osmolarity sensor protein EnvZ	175
3131	Probable inorganic polyphosphate/ATP-NAD kinase	65
3452	Protease 2	141
2180	recombination protein F	40
2621	recombination protein F	43
2300	Membrane-fusion protein component of the RND family transporter	82
2887	Proline/betaine transporter	265
2211	Outer membrane protein A precursor	143
3168	Outer membrane protein B precursor	75
2819	Cell surface antigen-like protein Sca11	53
3020	patatin-like protein	84
2213	Pilin gene-inverting protein	211
2209	similar to transposase	237
2747	similar to transposase	210
2838	similar to transposase	137
3531	similar to transposase	274
3105	Transposase	57
2264	conserved hypothetical protein	213
2629	conserved hypothetical protein	270
2811	Hypothetical protein, conserved	220
3065	Hypothetical protein, conserved	332
3280	Hypothetical protein, conserved	223
3426	Hypothetical protein, conserved	146
3517	Hypothetical protein, conserved	314
	<b>Avg.</b>	<b>174.9</b>

<sup>1</sup> Including 65 singleton HPs, with average length of 65.78 amino acids, and one false singleton HP.

<sup>2</sup> Length in amino acids of predicted ORF.