

**Table 2 Properties of the genome-scale (iRP911) and methylotrophic networks reconstructed for *M. extorquens* AM1**

Properties	GS network	%	Methylotrophic network	% of GS network
Biochemically unique reactions	1139		717	62.9%
Reversible reactions	578	50.7%	340	58.8%
Metabolites	977		722	73.9%
Genes	911		706	77.5%
Enzymes	761		595	78.2%
Protein complexes	83	10.9	65	78.3%
Confidence score of reactions (GS network)		Number	%	Data sources
4	Experimental evidence for enzyme activity	54	4.7%	Biochemical data
4	Spontaneous reaction	15		
3	Experimental evidence for gene function	28	2.5%	Genetic data
2	Genome annotation	856	75.2%	Genomic data
2	Evidence from physiology (Transport)	127	11.2%	Physiological data
1	Hypothetical reaction required for modeling	59	5.2%	Modeling data
<b>2.1</b>	<b>Average confidence score of the network</b>			