

Table 3. Transcriptional regulators identified in the *M. smitthii* proteome

ORF	COG	ANNOTATION
MSM0026	COG1396	predicted transcriptional regulator (possible epoxidase activity)
MSM0094		predicted transcription regulator (TetR family)
MSM0155	COG2061	predicted allosteric regulator of homoserine dehydrogenase
MSM0218	COG1321	iron dependent transcriptional regulator (Fe2+-binding)
MSM0233	COG0347	nitrogen regulatory protein P-II, GlnK
MSM0255		putative transcription regulator (winged helix DNA-binding domain)
MSM0269	COG2522	predicted transcriptional regulator (lambda repressor-like)
MSM0329	COG1396	DNA binding protein, xenobiotic response element family
MSM0354	COG1222	ATP-dependent 26S proteasome regulatory subunit, RPT1
MSM0364	COG0864	transcriptional regulator (nickel-responsive), NikR
MSM0383	COG1409	predicted phosphohydrolase, calcineurin-like superfamily
MSM0388	COG4747	amino acid regulator (ACT domain)
MSM0404	COG4742	predicted transcriptional regulator
MSM0413	COG1846	transcriptional regulator, MarR family
MSM0417	COG4068	predicted transmembrane protein with a zinc ribbon DNA-binding domain
MSM0452		predicted DNA-binding protein
MSM0453	COG1395	predicted transcriptional regulator
MSM0540	COG2865	predicted transcriptional regulator
MSM0564	COG0704	phosphate uptake regulator, PhoU
MSM0569	COG0704	phosphate transport system regulator related protein, PhoU
MSM0600	COG1846	transcriptional regulator, MarR family
MSM0635	COG2150	predicted regulator of amino acid metabolism
MSM0650	COG1309	transcriptional regulator, TetR/AcrR family
MSM0766	COG0340	biotin-[acetyl-CoA-carboxylase] ligase/biotin operon regulator bifunctional protein, BirA
MSM0775	COG2207	transcriptional regulator, AraC family
MSM0817	COG4742	predicted transcriptional regulator
MSM0818	COG4742	predicted transcriptional regulator
MSM0819	COG0640	putative transcription regulator, ArsR family (winged helix DNA-binding domain)
MSM0851	COG1548	predicted transcriptional regulator
MSM0862	COG1781	aspartate carbamoyltransferase regulatory chain, PyrI
MSM0864	COG1733	predicted transcriptional regulator
MSM0936	COG0603	transcription regulator-related ATPase, ExsB
MSM0966	COG1223	predicted 26S protease regulatory subunit (ATP-dependent), AAA+ family ATPase
MSM1030	COG0399	predicted pyridoxal phosphate-dependent enzyme
MSM1032	COG1522	transcriptional regulator, Lrp family
MSM1081	COG1112	transcriptional regulator, DNA2/NAM7 helicase family
MSM1090	COG1489	sugar fermentation stimulation protein, SfsA
MSM1106	COG0068	hydrogenase maturation factor, HypF
MSM1107	COG1777	predicted transcriptional regulator
MSM1126	COG0640	predicted transcriptional regulator, ArsR family (arsenic)
MSM1150	COG1476	predicted transcriptional regulator
MSM1207	COG2005	molybdate transport system regulatory protein
MSM1224	COG0440	acetolactate synthase, small subunit (regulatory), IivH
MSM1230	COG1846	transcriptional regulator, MarR family
MSM1250	COG1695	predicted transcriptional regulator, PadR-like family
MSM1257	COG1339	predicted transcriptional regulator of riboflavin/FAD biosynthetic operon
MSM1292	COG2183	transcriptional accessory protein, S1 RNA binding family, Tex
MSM1315	COG2865	predicted transcriptional regulator
MSM1350	COG0640	predicted transcriptional regulator, ArsR family
MSM1390	COG0583	transcriptional regulator, LysR family
MSM1445	COG1378	predicted transcriptional regulator
MSM1499	COG1497	predicted transcriptional regulator
MSM1528	COG1396	predicted transcriptional regulator, HTH XRE-like family (xenobiotic)
MSM1536	COG0399	pleiotropic regulatory protein DegT (PLP-dependent)
MSM1568		putative transcription regulator
MSM1606	COG0641	arylsulfatase regulator, AsIB
MSM1614	COG2524	predicted transcriptional regulator
MSM1713	COG4747	predicted regulatory protein, amino acid-binding ACT domain family
MSM1737		putative transcription regulator
MSM1777		putative transcription regulator