

Description	Max score	Total score	Query cover	E value	Per. Ident	Accession	Saci gene	KO	Annotation
MurG WP_063074721.1 undecaprenyldiphospho-muramoylpentapeptide beta-N-acetylglucosaminyltransferase [<i>Escherichia coli</i>]									
conserved Archaeal protein [Sulfolobus acidocaldarius DSM 639]	77.0	77.0	76%	6e-17	14.52%	AAy81210.1	<i>saci_1907</i>	MW061 BM-A045-B027	RfAB GT1_YqgM_like
conserved protein [Sulfolobus acidocaldarius DSM 639]	71.2	71.2	98%	5e-15	16.76%	AAy80607.1	<i>saci_1262</i>	<i>essential</i>	MurG
hypothetical protein Saci_1921 [Sulfolobus acidocaldarius DSM 639]	71.2	71.2	72%	6e-15	13.33%	AAy81224.1	<i>saci_1921</i>	MW069 BM-A055-B003	RfAB
RecName: Full=Archaeal glycosylation protein 16 [Sulfolobus acidocaldarius DSM 639]	65.9	65.9	75%	3e-13	9.90%	Q4JAK2.1	<i>saci_0807</i>	MW043 BM-A110-B008	Archaeal glycosylation protein 16
partially conserved Archaeal protein [Sulfolobus acidocaldarius DSM 639]	61.2	61.2	96%	1e-11	12.76%	AAy81207.1	<i>saci_1904</i>	MW077 BM-A050-B002	Cell wall/membrane/envelope biogenesis
glycosyl transferase [Sulfolobus acidocaldarius DSM 639]	59.7	98.2	74%	5e-11	14.02%	AAy80548.1	<i>saci_1201</i>	MW053 BM-A150-B1	Glycogen synthase
glycosyl transferase group 1 [Sulfolobus acidocaldarius DSM 639]	47.8	47.8	77%	3e-07	12.38%	AAy81133.1	<i>saci_1827</i>	MW042 BM-A280-B001	GT1_Trehalose_phosphorylase
glycosyl transferase group 1 protein [Sulfolobus acidocaldarius DSM 639]	45.8	45.8	49%	1e-06	16.59%	AAy80595.1	<i>saci_1249</i>	MW054 BM-A155-B001	GT1_YqgM_like
conserved protein [Sulfolobus acidocaldarius DSM 639]	42.4	42.4	34%	1e-05	18.11%	AAy80235.1	<i>saci_0869</i>	<i>essential</i>	Glycosyltransferase involved in cell wall biosynthesis
conserved protein [Sulfolobus acidocaldarius DSM 639]	42.4	42.4	58%	2e-05	9.91%	AAy81219.1	<i>saci_1916</i>	MW066 BM-A024-B001	
RecName: Full=UDP-sulfoquinovose synthase [Sulfolobus acidocaldarius DSM 639]	40.4	40.4	26%	7e-05	19.39%	Q4JBj3.1	<i>saci_0423</i>	MW039 BM-A083-B008	Agl3 UDP-sulfoquinovose synthase
hypothetical protein Saci_1923 [Sulfolobus acidocaldarius DSM 639]	39.3	39.3	34%	1e-04	11.72%	AAy81226.1	<i>saci_1923</i>	n.d.	
conserved protein [Sulfolobus acidocaldarius DSM 639]	38.5	38.5	78%	3e-04	11.85%	AAy81225.1	<i>saci_1922</i>	MW070 BM-A060-B002	
ALG13 NP_011468.1 N-acetylglucosaminyldiphosphodolichol N-acetylglucosaminyltransferase [<i>Saccharomyces cerevisiae</i> S288C]									
conserved protein [Sulfolobus acidocaldarius DSM 639]	43.9	43.9	58%	1e-06	17.36%	AAy80607.1	<i>saci_1262</i>		MurG
ALG14 NP_009626.1 N-acetylglucosaminyldiphosphodolichol N-acetylglucosaminyltransferase [<i>Saccharomyces cerevisiae</i> S288C]									
	No homolog above the standard Delta-Blast e-value threshold of 0.05								
Alg14-13 fusion (NP_009626.1+ NP_011468.1)									
conserved protein [Sulfolobus acidocaldarius DSM 639]	59.7	59.7	73%	4e-11	16.92%	AAy80607.1	<i>saci_1262</i>		