

Table S1 BLAST Results of diacylglycerol glucosyltransferases

Protein	Product Name	Score (Bits)	E Value	Query Protein	Query Organism	PFAM Family	PFAM Description
CDR20291_0008	putative glycosyl transferase	164	5.00E-48	UgtP	<i>B. subtilis</i>	PF06925.16;PF04101.21	MGDG_synth;Glyco_tran_28_C
CDR20291_1186	putative cell wall biosynthesis protein	146	3.00E-41	UgtP	<i>B. subtilis</i>	PF06925.16;PF04101.21	MGDG_synth;Glyco_tran_28_C
HexS	putative monogalactosyldiacylglycerol synthase	129	4.00E-35	UgtP	<i>B. subtilis</i>	PF06925.16;PF04101.21	MGDG_synth;Glyco_tran_28_C
CDR20291_0773	putative glycosyl transferase	58.5	1.00E-10	LafB	<i>L. monocytogenes</i>	PF13439.11;PF00534.25	Glyco_transf_4;Glycos_transf_1
CDR20291_2658	putative capsular polysaccharide biosynthesis glycosyl transferase	48.5	4.00E-07	SPR_0982	<i>S. pneumoniae</i>	PF13477.11;PF00534.25	Glyco_trans_4_2;Glycos_transf_1
	UDP-N-acetylglucosamine--N-acetylmuramyl-(penta peptide) pyrophosphoryl-undecaprenol N-acetylglucosamine transferase	47.4	8.00E-07	UgtP	<i>B. subtilis</i>	PF03033.25;PF04101.21	Glyco_transf_28;Glyco_tran_28_C
MurG							
CDR20291_2958	putative glycosyltransferase	43.1	2.00E-05	UgtP	<i>B. subtilis</i>	PF00201.23	UDPGT