

Supplemental Table 1. *Bacillus subtilis* gene markers.

Gene Name	UniProt ID	Description
ABRB_BACSU	P08874	Transition state regulatory protein AbrB
BOFA_BACSU	P24282	Sigma-K factor-processing regulatory protein BofA
BOFC_BACSU	O05391	Protein BofC
CATX_BACSU	P94377	Catalase X
CGEA_BACSU	P42089	Protein CgeA
CGEB_BACSU	P42090	Protein CgeB
CGEC_BACSU	P42091	Protein CgeC
CGED_BACSU	P42092	Protein CgeD
CGEE_BACSU	P42093	Uncharacterized N-acetyltransferase CgeE
CISA_BACSU	P17867	Putative DNA recombinase
COTA_BACSU	P07788	Spore coat protein A
COTB_BACSU	P07789	Spore coat protein B
COTC_BACSU	P07790	Spore coat protein C
COTD_BACSU	P07791	Spore coat protein D
COTE_BACSU	P14016	Spore coat protein E
COTF_BACSU	P23261	Spore coat protein F
COTG_BACSU	P39801	Spore coat protein G
COTH_BACSU	Q45535	Inner spore coat protein H
COTJA_BACSU	Q45536	Protein CotJA
COTJB_BACSU	Q45537	Protein CotJB
COTJC_BACSU	Q45538	Protein CotJC
COTM_BACSU	Q45058	Spore coat protein M
COTP_BACSU	P96698	Spore coat protein P
COTS_BACSU	P46914	Spore coat protein S
COTSA_BACSU	P46915	Spore coat protein SA
COTT_BACSU	P11863	Spore coat protein T
COTV_BACSU	Q08309	Spore coat protein V
COTW_BACSU	Q08310	Spore coat protein W
COTX_BACSU	Q08313	Spore coat protein X
COTY_BACSU	Q08311	Spore coat protein Y
COTZ_BACSU	Q08312	Spore coat protein Z
COXA_BACSU	P94446	Sporulation cortex protein CoxA
CSGA_BACSU	P54379	Sigma-G-dependent sporulation-specific SASP protein
		Sporulation-specific N-acetylmuramoyl-L-alanine
CWLC_BACSU	Q06320	amidase
		Germination-specific N-acetylmuramoyl-L-alanine
CWLD_BACSU	P50864	amidase
CWLH_BACSU	P54450	N-acetylmuramoyl-L-alanine amidase CwlH
CWLJ_BACSU	P42249	Cell wall hydrolase CwlJ
DHA_BACSU	Q08352	Alanine dehydrogenase
DIVIB_BACSU	P16655	Cell division protein DivIB
DIVIC_BACSU	P37471	Cell division protein DivIC

Gene_Name	UniProt_ID	Description
DPAA_BACSU	Q04809	Dipicolinate synthase subunit A
DPAB_BACSU	Q04810	Dipicolinate synthase subunit B
FTSA_BACSU	P28264	Cell division protein FtsA
FTSZ_BACSU	P17865	Cell division protein FtsZ
GERAA_BACSU	P07868	Spore germination protein A1
GERAB_BACSU	P07869	Spore germination protein A2
GERAC_BACSU	P07870	Spore germination protein A3
GERBA_BACSU	P39569	Spore germination protein B1
GERBB_BACSU	P39570	Spore germination protein B2
GERBC_BACSU	P39571	Spore germination protein B3
GERD_BACSU	P16450	Spore germination protein GerD
GERE_BACSU	P11470	Spore germination protein GerE
GERKA_BACSU	P49939	Spore germination protein KA
GERKB_BACSU	P49940	Spore germination protein KB
GERKC_BACSU	P49941	Spore germination protein KC
GERM_BACSU	P39072	Spore germination protein GerM
GERPA_BACSU	O06721	Probable spore germination protein GerPA
GERPB_BACSU	O06720	Probable spore germination protein GerPB
GERPC_BACSU	O06719	Probable spore germination protein GerPC
GERPD_BACSU	O06718	Probable spore germination protein GerPD
GERPE_BACSU	O06717	Probable spore germination protein GerPE
GERPF_BACSU	O06716	Probable spore germination protein GerPF
GPR_BACSU	P22322	Germination protease
HPR_BACSU	P11065	HTH-type transcriptional regulator Hpr
KAPB_BACSU	Q08429	Kinase-associated lipoprotein B
KAPD_BACSU	O05231	Probable 3'-5' exonuclease KapD
KBAA_BACSU	P16449	KinB-signaling pathway activation protein
LRPA_BACSU	P96652	HTH-type transcriptional regulator LrpA
LRPB_BACSU	P96653	HTH-type transcriptional regulator LrpB
MISCA_BACSU	Q01625	Membrane protein insertase MisCA
NUCB_BACSU	P42983	Sporulation-specific extracellular nuclease
PAIA_BACSU	P21340	Spermidine/spermine N(1)-acetyltransferase
PAIB_BACSU	P21341	Protease synthase and sporulation protein PAI 2
PHRC_BACSU	P94416	Phosphatase RapC inhibitor
PTH_BACSU	P37470	Peptidyl-tRNA hydrolase
RMLA_BACSU	P39629	Glucose-1-phosphate thymidyltransferase
RMLB_BACSU	P39630	dTDP-glucose 4,6-dehydratase
RPSE_BACSU	P06222	RNA polymerase sigma-E factor
RPSF_BACSU	P07860	RNA polymerase sigma-F factor
RPSG_BACSU	P19940	RNA polymerase sigma-G factor
RPSH_BACSU	P17869	RNA polymerase sigma-H factor
S5AEA_BACSU	P40870	Stage V sporulation protein AE
SDA_BACSU	Q7WY62	Sporulation inhibitor sda

Gene_Name	UniProt_ID	Description
SIGA_BACSU	P06224	RNA polymerase sigma factor SigA
SINI_BACSU	P23308	Protein SinI
SINR_BACSU	P06533	HTH-type transcriptional regulator SinR
SLEB_BACSU	P50739	Spore cortex-lytic enzyme
SLRR_BACSU	P71049	HTH-type transcriptional regulator SlrR
SOJ_BACSU	P37522	Sporulation initiation inhibitor protein Soj
SP0A_BACSU	P06534	Stage 0 sporulation protein A
SP0F_BACSU	P06628	Sporulation initiation phosphotransferase F
SP0J_BACSU	P26497	Stage 0 sporulation protein J
SP0M_BACSU	P71088	Sporulation-control protein spo0M
SP2AA_BACSU	P10727	Anti-sigma F factor antagonist
SP2AB_BACSU	P10728	Anti-sigma F factor
SP2B_BACSU	P37575	Stage II sporulation protein B
SP2D_BACSU	P07372	Stage II sporulation protein D
SP2G_BACSU	P13801	Sporulation sigma-E factor-processing peptidase
SP2M_BACSU	P37873	Stage II sporulation protein M
SP2P_BACSU	P37968	Stage II sporulation protein P
SP2Q_BACSU	P71044	Stage II sporulation protein Q
SP2R_BACSU	P39151	Stage II sporulation protein R
SP2SA_BACSU	O34853	Stage II sporulation protein SA
SP2SB_BACSU	O34800	Stage II sporulation protein SB
SP3AA_BACSU	Q01367	Stage III sporulation protein AA
SP3AB_BACSU	Q01368	Stage III sporulation protein AB
SP3AC_BACSU	P49780	Stage III sporulation protein AC
SP3AD_BACSU	P49781	Stage III sporulation protein AD
SP3AE_BACSU	P49782	Stage III sporulation protein AE
SP3AF_BACSU	P49783	Stage III sporulation protein AF
SP3AG_BACSU	P49784	Stage III sporulation protein AG
SP3AH_BACSU	P49785	Stage III sporulation protein AH
SP3D_BACSU	P15281	Stage III sporulation protein D
SP3E_BACSU	P21458	DNA translocase SpoIIIE
SP4A_BACSU	P35149	Stage IV sporulation protein A
SP4B_BACSU	P17896	SpoIVB peptidase
SP4FA_BACSU	P26936	Stage IV sporulation protein FA
SP4FB_BACSU	P26937	Stage IV sporulation protein FB
SP5AA_BACSU	P40866	Stage V sporulation protein AA
SP5AB_BACSU	P40867	Stage V sporulation protein AB
SP5AC_BACSU	P40868	Stage V sporulation protein AC
SP5AD_BACSU	P40869	Stage V sporulation protein AD
SP5AF_BACSU	P31845	Stage V sporulation protein AF
SP5B_BACSU	Q00758	Stage V sporulation protein B
SP5E_BACSU	P07373	Stage V sporulation protein E
SP5G_BACSU	P28015	Putative septation protein SpoVG

Gene_Name	UniProt_ID	Description
SP5K_BACSU	P27643	Stage V sporulation protein K
SP5R_BACSU	P37875	Stage V sporulation protein R
SP5S_BACSU	P45693	Stage V sporulation protein S
SP6D_BACSU	P37963	Stage VI sporulation protein D
SPL_BACSU	P37956	Spore photoproduct lyase
SPLA_BACSU	P37955	Transcriptional regulator SplA
SPMA_BACSU	P35157	Spore maturation protein A
SPMB_BACSU	P35158	Spore maturation protein B
SPOVT_BACSU	P37554	Stage V sporulation protein T
SPSA_BACSU	P39621	Spore coat polysaccharide biosynthesis protein SpsA
SPSB_BACSU	P39622	Spore coat polysaccharide biosynthesis protein SpsB
SPSC_BACSU	P39623	Spore coat polysaccharide biosynthesis protein SpsC
SPSD_BACSU	P39624	Spore coat polysaccharide biosynthesis protein SpsD
SPSE_BACSU	P39625	Spore coat polysaccharide biosynthesis protein SpsE
SPSF_BACSU	P39626	Spore coat polysaccharide biosynthesis protein SpsF
SPSG_BACSU	P39627	Spore coat polysaccharide biosynthesis protein SpsG
SPSK_BACSU	P39631	Spore coat polysaccharide biosynthesis protein SpsK
SPSL_BACSU	Q7WY56	Spore coat polysaccharide biosynthesis protein SpsL
SSPA_BACSU	P04831	Small, acid-soluble spore protein A
SSPB_BACSU	P04832	Small, acid-soluble spore protein B
SSPC_BACSU	P02958	Small, acid-soluble spore protein C
SSPD_BACSU	P04833	Small, acid-soluble spore protein D
SSPE_BACSU	P07784	Small, acid-soluble spore protein gamma-type
SSPF_BACSU	P37549	Protein SspF
SSPG_BACSU	Q7WY59	Small, acid-soluble spore protein G
SSPH_BACSU	O31552	Small, acid-soluble spore protein H
SSPI_BACSU	P94537	Small, acid-soluble spore protein I
SSPJ_BACSU	Q7WY58	Small, acid-soluble spore protein J
SSPK_BACSU	Q7WY75	Small, acid-soluble spore protein K
SSPL_BACSU	Q7WY66	Small, acid-soluble spore protein L
SSPM_BACSU	Q7WY65	Small, acid-soluble spore protein M
SSPN_BACSU	Q7WY69	Small, acid-soluble spore protein N
SSPO_BACSU	P71031	Small, acid-soluble spore protein O
SSPP_BACSU	P71032	Small, acid-soluble spore protein P
TASA_BACSU	P54507	Major biofilm matrix component
TLP_BACSU	Q45060	Small, acid-soluble spore protein Tlp
YPHB_BACSU	P50742	Uncharacterized protein YphB