

Supplemental Table S5: Proteome spectra library

SMM: Spizizen's minimal medium

Data dependent acquisition (DDA) - Sample description

<i>B.subtilis</i> strain	sample material and cultivation conditions	sampling points	biological replicates	fractionation	MS instrument type	number of raw files	used for DIA library	Raw file names
168 trp+	bacteria from cultivation in SMM medium	exponential growth, (SMM:OD ₅₇₈ -1),	3	non-fractionated	Q Exactive™	3	YES	151022_QEp_PK_SMM_Br1_DDA.raw 151022_QEp_PK_SMM_Br2_DDA.raw 151022_QEp_PK_SMM_Br3_DDA.raw
168 trp+	bacteria from cultivation in SMM medium + 1 mM Glycine betaine	exponential growth, (SMM:OD ₅₇₈ -0.4),	3	non-fractionated	Q Exactive™	3	YES	151022_QEp_PK_GB_Br1_DDA.raw 151022_QEp_PK_GB_Br2_DDA.raw 151022_QEp_PK_GB_Br3_DDA.raw
168 trp+	bacteria from cultivation in SMM medium + 1.2 M NaCl	exponential growth, (SMM:OD ₅₇₈ -0.4),	3	non-fractionated	Q Exactive™	3	YES	151022_QEp_PK_NaCl_Br1_DDA.raw 151022_QEp_PK_NaCl_Br2_DDA.raw 151022_QEp_PK_NaCl_Br3_DDA.raw
168 trp+	bacteria from cultivation in SMM medium + 1.2 M NaCl+ 1 mM Glycine betaine	exponential growth, (SMM:OD ₅₇₈ -0.4),	3	non-fractionated	Q Exactive™	3	YES	151022_QEp_PK_NaCl_GB_Br1_DDA.raw 151022_QEp_PK_NaCl_GB_Br2_DDA.raw 151022_QEp_PK_NaCl_GB_Br3_DDA.raw
168 trp+	Exponential phase Competence	exponential growth, (MC:OD540-0.4),	2	non-fractionated	Q Exactive™	1	YES	150723_QE1_PK_Bsub_Exp_Comp_DDA.raw
168 trp+	Exponential phase Sporulation	exponential growth, (DSM:=OD540-0.4),	2	non-fractionated	Q Exactive™	1	YES	150723_QE1_PK_Bsub_Exp_DSM_DDA.raw

<i>B.subtilis</i> strain	sample material and cultivation conditions	sampling points	biological replicates	fractionation	MS instrument type	number of raw files	used for DIA library	Raw file names
168 trp+	Ethanol shock 4%	exponential growth, (BMM:OD500-0.4),	2	non-fractionated	Q Exactive™	2	YES	150723_QE1_PK_Bsub_Eth_1_DDA.raw 150723_QE1_PK_Bsub_Eth_2_DDA.raw
168 trp+	Heat Shock 52°C	exponential growth, (BMM:OD500-0.4),	2	non-fractionated	Q Exactive™	2	YES	150723_QE1_PK_Bsub_Heat_1_DDA.raw 150723_QE1_PK_Bsub_Heat_2_DDA.raw
168 trp+	Competence	transient phase (MC:OD540-2.0),	2	non-fractionated	Q Exactive™	2	YES	150723_QE1_PK_Bsub_Comp_1_DDA.raw 150723_QE1_PK_Bsub_Comp_2_DDA.raw
168 trp+	Sporulation	stationary phase (DSM: 3h stat. phase),	2	non-fractionated	Q Exactive™	2	YES	150723_QE1_PK_Bsub_Spore_1_DDA.raw 150723_QE1_PK_Bsub_Spore_2_DDA.raw
168 trp+	Exponential phase Competence + Sporulation	exponential growth, (MC+DSM:OD540-0.4),	2	Pre-fractionated (Gel-LC-MS/MS)	Q Exactive™	6	YES	150723_QE1_PK_Bsub_Exp_PF_1.raw 150723_QE1_PK_Bsub_Exp_PF_2.raw 150723_QE1_PK_Bsub_Exp_PF_3.raw 150723_QE1_PK_Bsub_Exp_PF_4.raw 150723_QE1_PK_Bsub_Exp_PF_5.raw 150723_QE1_PK_Bsub_Exp_PF_6.raw
168 trp+	Ethanol shock 4%	exponential growth, (BMM:OD500-0.4),	2	Pre-fractionated (Gel-LC-MS/MS)	Q Exactive™	6	YES	150723_QE1_PK_Bsub_Eth_PF_1.raw 150723_QE1_PK_Bsub_Eth_PF_2.raw 150723_QE1_PK_Bsub_Eth_PF_3.raw 150723_QE1_PK_Bsub_Eth_PF_4.raw 150723_QE1_PK_Bsub_Eth_PF_5.raw 150723_QE1_PK_Bsub_Eth_PF_6.raw

<i>B.subtilis</i> strain	sample material and cultivation conditions	sampling points	biological replicates	fractionation	MS instrument type	number of raw files	used for DIA library	Raw file names
168 trp+	Heat Shock 52°C	exponential growth, (BMM:OD500-0.4),	2	Pre-fractionated (Gel-LC-MS/MS)	Q Exactive™	5	YES	150723_QE1_PK_Bsub_Heat_PF_1.raw 150723_QE1_PK_Bsub_Heat_PF_2.raw 150723_QE1_PK_Bsub_Heat_PF_3.raw 150723_QE1_PK_Bsub_Heat_PF_4.raw 150723_QE1_PK_Bsub_Heat_PF_5.raw
168 trp+	Competence	transient phase (MC:OD540-2.0),	2	Pre-fractionated (Gel-LC-MS/MS)	Q Exactive™	6	YES	150723_QE1_PK_Bsub_Comp_PF_1.raw 150723_QE1_PK_Bsub_Comp_PF_2.raw 150723_QE1_PK_Bsub_Comp_PF_3.raw 150723_QE1_PK_Bsub_Comp_PF_4.raw 150723_QE1_PK_Bsub_Comp_PF_5.raw 150723_QE1_PK_Bsub_Comp_PF_6.raw
168 trp+	Sporulation	stationary phase (DSM: 3h stat. phase),	2	Pre-fractionated (Gel-LC-MS/MS)	Q Exactive™	6	YES	150723_QE1_PK_Bsub_Spore_PF_1.raw 150723_QE1_PK_Bsub_Spore_PF_2.raw 150723_QE1_PK_Bsub_Spore_PF_3.raw 150723_QE1_PK_Bsub_Spore_PF_4.raw 150723_QE1_PK_Bsub_Spore_PF_5.raw 150723_QE1_PK_Bsub_Spore_PF_6.raw
D6	bacteria from cultivation in rich medium LB. (sample collected via centrifugation)	exponential growth, (LB:OD ₅₇₈ -1),	4	non-fractionated	Q Exactive Plus™	4	YES	150710_QEp_PK_Bsub_DG_Br1.raw 150710_QEp_PK_Bsub_DG_Br2.raw 150710_QEp_PK_Bsub_DG_Br3.raw 150710_QEp_PK_Bsub_DG_Br4.raw
D6	bacteria from cultivation in rich medium LB. (sample collected via filtration)	exponential growth, (LB:OD ₅₇₈ -1),	4	non-fractionated	Q Exactive Plus™	4	YES	150710_QEp_PK_Bsub_FDG_Br1.raw 150710_QEp_PK_Bsub_FDG_Br2.raw 150710_QEp_PK_Bsub_FDG_Br3.raw 150710_QEp_PK_Bsub_FDG_Br4.raw
PG10	bacteria from cultivation in rich medium LB. (sample collected via centrifugation)	exponential growth, (LB:OD ₅₇₈ -1),	4	non-fractionated	Q Exactive Plus™	4	YES	150710_QEp_PK_Bsub_PG10_Br1.raw 150710_QEp_PK_Bsub_PG10_Br2.raw 150710_QEp_PK_Bsub_PG10_Br3.raw 150710_QEp_PK_Bsub_PG10_Br4.raw

<i>B.subtilis</i> strain	sample material and cultivation conditions	sampling points	biological replicates	fractionation	MS instrument type	number of raw files	used for DIA library	Raw file names
PG10	bacteria from cultivation in rich medium LB. (sample collected via filtration)	exponential growth, (LB:OD ₅₇₈ -1),	4	non-fractionated	Q Exactive Plus™	4	YES	150710_QEp_PK_Bsub_F_PG10_Br1.raw 150710_QEp_PK_Bsub_F_PG10_Br2.raw 150710_QEp_PK_Bsub_F_PG10_Br3.raw 150710_QEp_PK_Bsub_F_PG10_Br4.raw
IIG	bacteria from cultivation in rich medium LB. (sample collected via centrifugation)	exponential growth, (LB:OD ₅₇₈ -1),	4	non-fractionated	Q Exactive Plus™	4	YES	150710_QEp_PK_Bsub_IIG_Br1.raw 150710_QEp_PK_Bsub_IIG_Br2.raw 150710_QEp_PK_Bsub_IIG_Br3.raw 150710_QEp_PK_Bsub_IIG_Br4.raw
IIG	bacteria from cultivation in rich medium LB. (sample collected via filtration)	exponential growth, (LB:OD ₅₇₈ -1),	4	non-fractionated	Q Exactive Plus™	4	YES	150710_QEp_PK_Bsub_F_IIG_Br1.raw 150710_QEp_PK_Bsub_F_IIG_Br2.raw 150710_QEp_PK_Bsub_F_IIG_Br3.raw 150710_QEp_PK_Bsub_F_IIG_Br4.raw
D6	extracellular proteome samples from cultivation in rich medium LB. (sample collected via TCA precipitation)	exponential growth and Stationary, (LB:OD ₅₇₈ -1 and 3.0),	3 (exponential), 3(stationary)	non-fractionated	Q Exactive Plus™	6	YES	151012_QEp_PK_Sec_1_2_DDA.raw 151012_QEp_PK_Sec_1_DDA.raw 151012_QEp_PK_Sec_2_2_DDA.raw 151012_QEp_PK_Sec_2_DDA.raw 151012_QEp_PK_Sec_3_2_DDA.raw 151012_QEp_PK_Sec_3_DDA.raw
PS38	extracellular proteome samples from cultivation in rich medium LB. (sample collected via TCA precipitation)	exponential growth and Stationary, (LB:OD ₅₇₈ -1 and 3.0),	3 (exponential), 3(stationary)	non-fractionated	Q Exactive Plus™	6	YES	151012_QEp_PK_Sec_4_DDA.raw 151020_QEp_PK_Sec_4_2_DDA.raw 151020_QEp_PK_Sec_5_DDA.raw 151012_QEp_PK_Sec_5_2_DDA.raw 151012_QEp_PK_Sec_5_DDA.raw 151020_QEp_PK_Sec_6_DDA.raw 151012_QEp_PK_Sec_6_2_DDA.raw
PG10	extracellular proteome samples from cultivation in rich medium LB. (sample collected via TCA precipitation)	exponential growth and Stationary, (LB:OD ₅₇₈ -1 and 3.0),	3 (exponential), 3(stationary)	non-fractionated	Q Exactive Plus™	6	YES	151012_QEp_PK_Sec_6_DDA.raw 151012_QEp_PK_Sec_7_2_DDA.raw 151012_QEp_PK_Sec_7_DDA.raw 151012_QEp_PK_Sec_8_2_DDA.raw 151012_QEp_PK_Sec_8_DDA.raw 151012_QEp_PK_Sec_9_2_DDA.raw 151012_QEp_PK_Sec_9_DDA.raw

Data independent acquisition (DIA) - Sample description

<i>B.subtilis</i> strain	sample material and cultivation conditions	sampling points	biological replicates	fractionation	MS instrument type	number of raw files	Raw file names
D6	bacteria from cultivation in rich medium LB. (sample collected via centrifugation)	exponential growth, (LB:OD ₅₇₈ ⁻¹),	4	non-fractionated	Q Exactive™	4	150802_QE1_PK_P_DG_ Br1.raw 150802_QE1_PK_P_DG_ Br2.raw 150802_QE1_PK_P_DG_ Br3.raw 150802_QE1_PK_P_DG_ Br4.raw
PG10	bacteria from cultivation in rich medium LB. (sample collected via centrifugation)	exponential growth, (LB:OD ₅₇₈ ⁻¹),	4	non-fractionated	Q Exactive™	4	150802_QE1_PK_P_PG1 0_Br1.raw 150802_QE1_PK_P_PG1 0_Br2.raw 150802_QE1_PK_P_PG1 0_Br3.raw 150802_QE1_PK_P_PG1 0_Br4.raw
PS38	bacteria from cultivation in rich medium LB. (sample collected via centrifugation)	exponential growth, (LB:OD ₅₇₈ ⁻¹),	4	non-fractionated	Q Exactive™	4	150802_QE1_PK_P_IIG_ Br1.raw 150802_QE1_PK_P_IIG_ Br2.raw 150802_QE1_PK_P_IIG_ Br3.raw 150802_QE1_PK_P_IIG_ Br4.raw