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| Table S2. Differentially expressed proteins |
| Protein | **log2FC** | ***P*-value** | **Protein** | **log2FC** | ***P*-value** |
| CadA | 1.84  | 0.0282  | CheY | -0.58  | 0.0203  |
| CadB | 1.34  | 0.0167  | N646\_2636 | -0.58  | 0.0040  |
| PyrH  | 1.30  | 0.0020  | SdhA | -0.58  | 0.0006  |
| Ocd | 1.27  | 0.0239  | N646\_1925 | -0.58  | 0.0236  |
| N646\_4243 | 1.27  | 0.0155  | NrfB  | -0.58  | 0.0032  |
| N646\_3688 | 1.25  | 0.0086  | Eno | -0.59  | 0.0019  |
| MalP | 1.25  | 0.0021  | GDE1 | -0.59  | 0.0031  |
| CbbBc | 1.17  | 0.0010  | HutX  | -0.59  | 0.0017  |
| FadL | 1.16  | 0.0075  | RacD | -0.59  | 0.0146  |
| N646\_4596 | 1.15  | 0.0040  | N646\_4501  | -0.59  | 0.0007  |
| FocA\_3  | 1.09  | 0.0030  | NtrB  | -0.59  | 0.0044  |
| FrdC | 1.09  | 0.0037  | CstA  | -0.59  | 0.0335  |
| K08M4\_12250 | 1.08  | 0.0082  | N646\_3241  | -0.59  | 0.0007  |
| K08M4\_08940 | 1.06  | 0.0335  | AL539\_20280  | -0.59  | 0.0031  |
| AOG25\_03345 | 1.06  | 0.0096  | QcrA | -0.60  | 0.0013  |
| LamB | 1.04  | 0.0245  | AL539\_16120 | -0.60  | 0.0000  |
| AdhE | 1.04  | 0.0013  | SstT | -0.60  | 0.0010  |
| AhpC | 1.02  | 0.0012  | N646\_2511  | -0.60  | 0.0080  |
| FrdB | 1.01  | 0.0219  | N646\_4560  | -0.61  | 0.0171  |
| MalK | 0.98  | 0.0106  | AOG25\_19225 | -0.61  | 0.0024  |
| BioD  | 0.93  | 0.0021  | GltP | -0.61  | 0.0121  |
| FdoI | 0.91  | 0.0108  | Ppa  | -0.61  | 0.0004  |
| AT730\_06230 | 0.91  | 0.0068  | K04M1\_47200  | -0.61  | 0.0004  |
| K04M1\_09410 | 0.88  | 0.0075  | SDH | -0.61  | 0.0004  |
| Can | 0.86  | 0.0069  | RplQ  | -0.62  | 0.0452  |
| GloA\_2  | 0.86  | 0.0000  | AOG25\_03130 | -0.62  | 0.0369  |
| N646\_3560 | 0.83  | 0.0177  | N646\_2482  | -0.63  | 0.0003  |
| FtsK | 0.82  | 0.0423  | N646\_1001 | -0.63  | 0.0016  |
| MenC | 0.80  | 0.0435  | VMC\_30580  | -0.63  | 0.0411  |
| N646\_4365 | 0.79  | 0.0011  | Pgm | -0.64  | 0.0001  |
| ACS86\_07865 | 0.79  | 0.0035  | GST | -0.64  | 0.0001  |
| Pygl-1 | 0.78  | 0.0043  | AL539\_14515  | -0.64  | 0.0025  |
| PtsG | 0.77  | 0.0042  | RpmH  | -0.64  | 0.0175  |
| AhpF | 0.77  | 0.0004  | N646\_0592 | -0.65  | 0.0090  |
| FrdD | 0.75  | 0.0076  | Asd1  | -0.65  | 0.0067  |
| VMC\_15210  | 0.74  | 0.0095  | CBS | -0.65  | 0.0000  |
| FrdA | 0.73  | 0.0137  | AlgE7  | -0.65  | 0.0053  |
| SSR | 0.71  | 0.0355  | N646\_3142  | -0.65  | 0.0062  |
| N646\_4363 | 0.71  | 0.0075  | CysK | -0.65  | 0.0001  |
| SecF  | 0.69  | 0.0030  | HutU | -0.65  | 0.0005  |
| SecD  | 0.68  | 0.0008  | PurM  | -0.66  | 0.0001  |
| DcuC  | 0.68  | 0.0042  | AOG25\_05755  | -0.66  | 0.0014  |
| DmsA | 0.67  | 0.0318  | N646\_1091 | -0.66  | 0.0001  |
| PflB | 0.66  | 0.0056  | OmpA | -0.67  | 0.0102  |
| RpoZ  | 0.66  | 0.0448  | AL539\_22720  | -0.67  | 0.0013  |
| DcuA | 0.66  | 0.0322  | N646\_2542  | -0.67  | 0.0007  |
| MalK | 0.66  | 0.0295  | N646\_3390  | -0.67  | 0.0010  |
| ArtI | 0.65  | 0.0293  | HpaF | -0.68  | 0.0021  |
| AL539\_00785  | 0.65  | 0.0023  | K04M1\_41120  | -0.68  | 0.0001  |
| Tal  | 0.64  | 0.0009  | Ndk  | -0.68  | 0.0000  |
| AL539\_20350 | 0.64  | 0.0094  | YdiY | -0.69  | 0.0002  |
| AL539\_25870  | 0.63  | 0.0104  | VMC\_28550  | -0.69  | 0.0026  |
| N646\_1365  | 0.63  | 0.0375  | PykF | -0.70  | 0.0000  |
| MalF | 0.63  | 0.0293  | N646\_4204 | -0.70  | 0.0006  |
| AOG25\_23770 | 0.63  | 0.0428  | N646\_0601 | -0.70  | 0.0043  |
| Cdd  | 0.62  | 0.0009  | GuaC | -0.70  | 0.0001  |
| AL539\_11945 | 0.62  | 0.0113  | MsrA  | -0.70  | 0.0001  |
| Crr  | 0.62  | 0.0077  | AOG25\_06795 | -0.71  | 0.0166  |
| AOG25\_25510  | 0.61  | 0.0004  | N646\_1261  | -0.71  | 0.0011  |
| N646\_3913  | 0.61  | 0.0162  | ACS86\_00920  | -0.71  | 0.0463  |
| Pgk | 0.59  | 0.0015  | N646\_2994 | -0.71  | 0.0001  |
| AOG25\_15680 | 0.59  | 0.0124  | GlpD | -0.71  | 0.0078  |
| N646\_4210  | 0.59  | 0.0080  | AOG25\_18310  | -0.72  | 0.0000  |
| Rne | 0.59  | 0.0076  | PetB  | -0.72  | 0.0012  |
| SthA  | -0.72  | 0.0002  | SucA | -0.93  | 0.0000  |
| VMC\_23910 | -0.72  | 0.0108  | VMC\_10930 | -0.94  | 0.0001  |
| GcvH  | -0.73  | 0.0028  | HutH  | -0.94  | 0.0003  |
| SdhA  | -0.74  | 0.0010  | N646\_3000  | -0.95  | 0.0000  |
| N646\_0290 | -0.74  | 0.0009  | Mdh1 | -0.96  | 0.0002  |
| N646\_1092 | -0.74  | 0.0000  | GlpK | -0.97  | 0.0010  |
| AL539\_16760  | -0.75  | 0.0000  | CysC | -0.98  | 0.0005  |
| CysK\_2  | -0.75  | 0.0000  | IDH1 | -0.98  | 0.0000  |
| K04M1\_00360  | -0.76  | 0.0002  | YclQ  | -1.00  | 0.0005  |
| K05K4\_16210  | -0.77  | 0.0016  | GlyA  | -1.00  | 0.0000  |
| AL539\_09960 | -0.77  | 0.0001  | N646\_4714  | -1.00  | 0.0000  |
| SucC  | -0.77  | 0.0212  | AstD | -1.01  | 0.0000  |
| RibB | -0.80  | 0.0002  | Tdh  | -1.02  | 0.0000  |
| AbgT\_2 | -0.80  | 0.0023  | CysJ | -1.06  | 0.0000  |
| AL539\_00075  | -0.81  | 0.0003  | CysH | -1.06  | 0.0000  |
| VMC\_31200 | -0.81  | 0.0000  | AOG25\_14795 | -1.06  | 0.0001  |
| ACS86\_17285  | -0.81  | 0.0009  | ACS86\_16920  | -1.06  | 0.0000  |
| Fbp  | -0.82  | 0.0001  | GlpF  | -1.08  | 0.0003  |
| CysI | -0.82  | 0.0000  | ArcA  | -1.09  | 0.0000  |
| N646\_1886  | -0.82  | 0.0000  | CysN  | -1.09  | 0.0001  |
| N646\_1090  | -0.83  | 0.0001  | AT730\_12740 | -1.10  | 0.0001  |
| AstA  | -0.83  | 0.0009  | E1.2.1.88 | -1.12  | 0.0000  |
| AL539\_10400  | -0.85  | 0.0000  | N646\_3437 | -1.14  | 0.0000  |
| N646\_1948  | -0.85  | 0.0017  | Kbl | -1.15  | 0.0001  |
| N646\_2655 | -0.85  | 0.0067  | N646\_4712  | -1.15  | 0.0000  |
| CTBS | -0.85  | 0.0154  | CysD | -1.16  | 0.0001  |
| VMC\_36650  | -0.86  | 0.0001  | Hgd | -1.19  | 0.0000  |
| DppB\_1  | -0.86  | 0.0210  | N646\_0293  | -1.19  | 0.0026  |
| CysK  | -0.86  | 0.0000  | SucD  | -1.21  | 0.0003  |
| HutZ | -0.87  | 0.0009  | AruC | -1.21  | 0.0000  |
| Cc4\_1 | -0.87  | 0.0002  | AL539\_03155  | -1.22  | 0.0000  |
| N646\_2188  | -0.89  | 0.0001  | SucC | -1.23  | 0.0000  |
| GDE1 | -0.89  | 0.0164  | AsnB | -1.23  | 0.0002  |
| N646\_0605 | -0.89  | 0.0016  | GlpK | -1.27  | 0.0002  |
| ZapE | -0.89  | 0.0009  | K04M1\_02370  | -1.28  | 0.0002  |
| FutA1 | -0.90  | 0.0008  | RstB \_2 | -1.31  | 0.0000  |
| GlpQ | -0.90  | 0.0035  | AsnB | -1.39  | 0.0000  |
| SdhB | -0.90  | 0.0012  | AOG25\_17495 | -1.42  | 0.0049  |
| AcnB | -0.91  | 0.0002  | AtpE | -1.44  | 0.0005  |
| GcvP | -0.91  | 0.0000  | FucA  | -1.51  | 0.0000  |
| IdnT | -0.91  | 0.0006  | AT730\_15715 | -1.55  | 0.0000  |
| GlpT  | -0.91  | 0.0003  | N646\_0608  | -1.56  | 0.0001  |
| N646\_0629 | -0.91  | 0.0002  | RstB1  | -1.59  | 0.0005  |
| FbpA | -0.91  | 0.0018  | Gap | -1.62  | 0.0023  |
| AL539\_00825  | -0.91  | 0.0003  | Ald | -1.65  | 0.0000  |
|  |  |  | N646\_4711  | -2.22  | 0.0000  |