Table S1. Proteins pulled down with SmdA-GFP.

| Protein          | Description                                      | Chromosomal smdA-gfp<sup>a</sup> | Plasmid-based smdA-gfp |
|------------------|--------------------------------------------------|----------------------------------|------------------------|
| SmdA             | Uncharacterized protein                           | 4                                | 35                     | 8.8        |
| Atl              | Bifunctional autolysin                            | 4                                | 4                      | 29         | 5.8        |
| SAOUHSC_01193    | Uncharacterized protein                           | 3                                | 10                     | 2.5        |
| FtsH             | ATP-dependent zinc metalloprotease                | 2                                | 22                     | 11         |
| PrsA             | Foldase protein                                   | 2                                | 14                     | 7          |
| SpsB             | Signal peptidase I                                | 2                                | 12                     | >12        |
| FhuD             | Heme ABC transporter                              | 2                                | 12                     | >12        |
| Pbp2             | Penicillin-binding protein 2                      | 1                                | 23                     | 23         |
| SAOUHSC_01676    | UPF0365 protein                                   | 1                                | 14                     | 14         |
| SAOUHSC_00356    | Uncharacterized protein                           | 1                                | 14                     | >4         |
| FruA             | Fructose specific permease, putative             | 1                                | 12                     | >12        |
| AtpA             | ATP synthase subunit alpha                        | 1                                | 12                     | >12        |
| AlaS             | Alanine-tRNA ligase                               | 1                                | 12                     | 12         |
| GlpK             | Glycerol kinase                                   | 1                                | 12                     | 12         |
| NrdE             | Ribonucleoside-diphosphate reductase              | 1                                | 10                     | >10        |
| RpoC             | DNA-directed RNA polymerase subunit beta'         | ND                               | 28                     | 9.3        |
| RpoB             | DNA-directed RNA polymerase subunit beta          | ND                               | 24                     | 12         |
| SAOUHSC_02525    | Uncharacterized protein                           | ND                               | 18                     | >18        |
| Pyk              | Pyruvate kinase                                   | ND                               | 17                     | 5.7        |
| AtpD             | ATP synthase subunit beta                         | ND                               | 15                     | 7.5        |
| EzrA             | Septation ring formation regulator                | ND                               | 15                     | >15        |
| GlpD             | Aerobic glycerol-3-phosphate dehydrogenase        | ND                               | 14                     | 14         |
| SAOUHSC_01895    | Uncharacterized protein                           | ND                               | 14                     | >14        |
| Pbp1             | Penicillin-binding protein 1                      | ND                               | 14                     | >14        |
| Pbp3             | Penicillin-binding protein 3                      | ND                               | 14                     | >14        |
| ClpB             | Chaperone protein                                 | ND                               | 14                     | >14        |
| Mqo              | Probable malate:quinone oxidoreductase            | ND                               | 13                     | >13        |
| SecD             | Multifunctional fusion protein                    | ND                               | 13                     | >13        |
| SAOUHSC_01974    | Uncharacterized protein                           | ND                               | 13                     | >13        |
| DltD             | Protein DltD                                      | ND                               | 12                     | >12        |
| ClpC             | ATP-dependent Clp protease ATP-binding subunit    | ND                               | 12                     | >12        |
| QoxA             | Probable quinol oxidase subunit 2                 | ND                               | 11                     | 11         |
| GatB             | Aspartyl/glutamyl-tRNA(Asn/Gln) amidotransferase  | ND                               | 11                     | >11        |
| SAOUHSC_00253    | Uncharacterized protein                           | ND                               | 11                     | >11        |
| SAOUHSC_00749    | Uncharacterized protein                           | ND                               | 10                     | >10        |
| Rny              | Ribonuclease Y                                    | ND                               | 10                     | >10        |
| ArgG             | Argininosuccinate synthase                        | ND                               | 10                     | >10        |
| AceC             | Biotin carboxylase                                | ND                               | 10                     | >10        |
| HtrA1            | Serine protease                                   | ND                               | 10                     | >10        |

<sup>a</sup> ND: not detected, NA: not applicable.