

S1 Table: Subcellular localization and secretion pathway prediction of ChiA or ChiB

| | ChiA | | ChiB | |
|---------------------------------------|-------------|-------------|-------------|-------------|
| Cello predictions | Score | Probability | Score | Probability |
| Extracellular | 4.875 | 97.5% | 3.840 | 76.8% |
| Cell wall | 0.024 | 0.5% | 0.224 | 4.5% |
| Membrane | 0.029 | 0.6% | 0.586 | 11.7% |
| Cytoplasmic | 0.072 | 1.4% | 0.350 | 7.0% |
| SecretomeP predictions | Score | | Score | |
| SecP score | 0.892 | | 0.897 | |
| SignalP predictions | Probability | | Probability | |
| Signal peptide (Sec/SPI) | 91.1% | | 10.4% | |
| TAT Signal peptide (Tat/SPI) | 0.8% | | 0.2% | |
| Lipoprotein signal peptide (Sec/SPII) | 5.0% | | 0.8% | |
| Other | 3.2% | | 88.6% | |