

Additional file 1 to: Overproducing the BAM complex improves secretion of difficult-to-secrete recombinant autotransporter chimeras

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This file contains Figure S1 and S2.

Figure S1. Plot of the growth curves of BL21 DE3 expressing either HbpD-ESAT6, HbpD-ELL alone or together with BAM from pJH114. The graph shows that production of the HbpD chimera and the BAM complex influences cell growth. Data obtained from a 96-well format growth experiment. One representative experiment of three is shown.

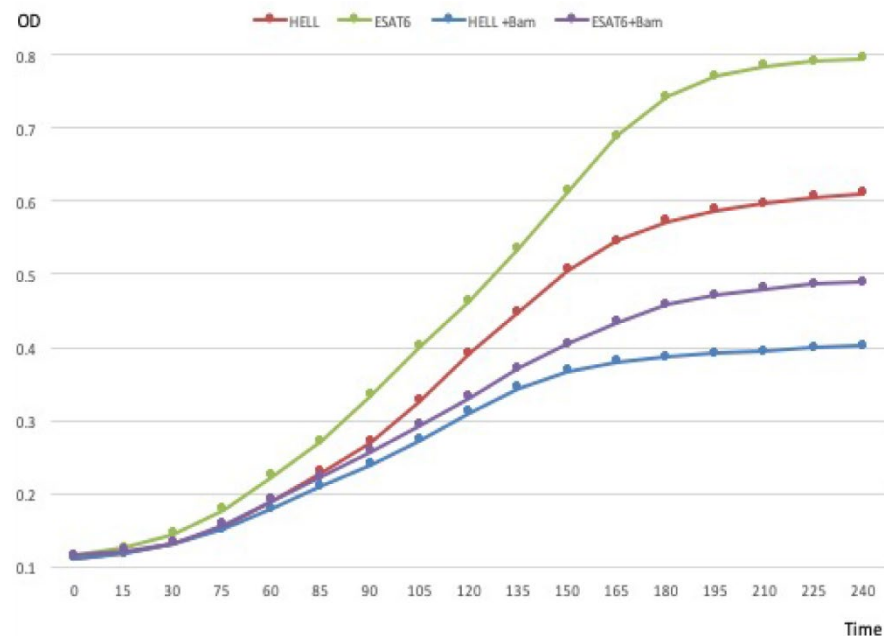


Figure S2. Fluorescence image of a semi-native SDS-PAGE gel. Cultures co-expressing HbpD-SpT2, HbpD-SpT2-LL or HbpD-SpT2-LL with BAM were incubated with SpC2-mScarlet or not to allow for coupling of the fluorescent protein to the HbpD-SpT2 variants exposed on the cell surface. Samples were then taken and dissolved in semi-native sample buffer and run on semi-native gels and imaged for fluorescence of mScarlet (Top). For reference, the gels were then stained with Coomassie Brilliant Blue and scanned (Bottom). The coupled Hbp-bands are indicated (<adduct), as well as the position of non-coupled SpC2-mScarlet (* SpC2-mScarlet). The intensity of mScarlet-labelled bands increases when HbpD-SpT2-LL was co-expressed with BAM. The whole cell suspensions used for this image are also used for Fig. 3B.

