



Figure S6. LdtD is active during *in vitro* PG synthesis in the presence of PBP1B(TP*), LpoB and PBP5. **(A)** HPLC chromatograms obtained from samples containing radioactive lipid II, PG from *E. coli* BW25113ΔLDT and the proteins indicated on the right side. **(B)** Proposed structures of muropeptides shown in panel A and B. G, *N*-acetylglucosamine; M, *N*-acetylmuramic acid; M(r), *N*-acetylmuramitol; M-*P*, *N*-acetylmuramic acid-1-phosphate; L-Ala, L-alanine; D-Glu, D-glutamic acid; D-Ala, D-alanine; *m*-DAP, *meso*-diaminopimelic acid.