



Figure S5. The simultaneous deletion of *ldtA*, *ldtB* and *ldtC* in the *araBplptC* conditional strain has no impact on cell viability under non-permissive conditions and ectopic expression of LdtD rescues the lysis phenotype of single and multiple *araBplptC ldt* mutants. Cells of the *araBplptC* conditional strain with deletions of *ldtA*, *ldtB* and *ldtC* (A) and all six *ldt* genes (*ldtA*, *ldtB*, *ldtC*, *ldtD*, *ldtE* and *ldtF*) (B) were grown in the presence of 0.2% arabinose to an OD₆₀₀ of 0.2, harvested, washed three times and resuspended in an arabinose-supplemented (+ Ara) or arabinose-free (no Ara) medium. Cell growth was then monitored by OD₆₀₀ measurements and viability was assessed by determining the CFU. (C) Complementation of the *araBplptC ΔldtD* lysis phenotype by ectopic expression of wild type *ldtD* and *ldtD*^{C528A}. (D-H) Complementation of the *araBplptC ΔldtE*, *araBplptC ΔldtF*, *araBplptC ΔldtDE*, *araBplptC ΔldtDF*, *araBplptC ΔldtDEF* lysis phenotype by ectopic expression of wild type *ldtD*. Cells were grown in the presence of 0.2% arabinose to an OD₆₀₀ of 0.2, harvested, washed three times and resuspended in an arabinose-free medium. The growth of *araBplptC ΔldtD* in arabinose-supplemented medium is shown as control. Cell growth was monitored by OD₆₀₀ measurements. Growth curves shown are representative of at least three independent experiments. In panels A and B *ldt* genes are indicated by their capital letters.