



**FIG S2**

**FIG S2. Growth of dually complemented  $\Delta\Delta$ Transport mutant.**

$\Delta\Delta$ Transport mutant was complemented with both the inner (*ppnuT*) and the outer membrane transporter (*OMthi*) under the natural promoter of *ppnuT* and expressed at a non-native locus in the  $\Delta\Delta$ Transport mutant. The double complement allows for a marked improvement in growth at low nanomolar concentrations of thiamine and partially relieves the fitness defect that we observe in the  $\Delta\Delta$ Transport mutant.