



Fig. S4. Znu is essential for low zinc adaptation. (A) Cell suspension of OD₆₀₀ = 1.0 was serially diluted and spotted onto plates with the M9 minimal medium with or without 50 μM ZnSO₄, or plates with the YMA medium supplemented with 50 μM EDTA, or 50 μM EDTA and 50 μM ZnSO₄. Plasmids pB-znuA, pB-zip1 and pB-c06450 were used in complementation experiments. (B) Growth defects of znu mutants on M9 plates can be partially restored by adding CoCl₂. Cell suspension of OD₆₀₀ = 1.0 was serially diluted and spotted onto plates with the M9 medium supplemented with 20 μM or 2 μM CoCl₂.