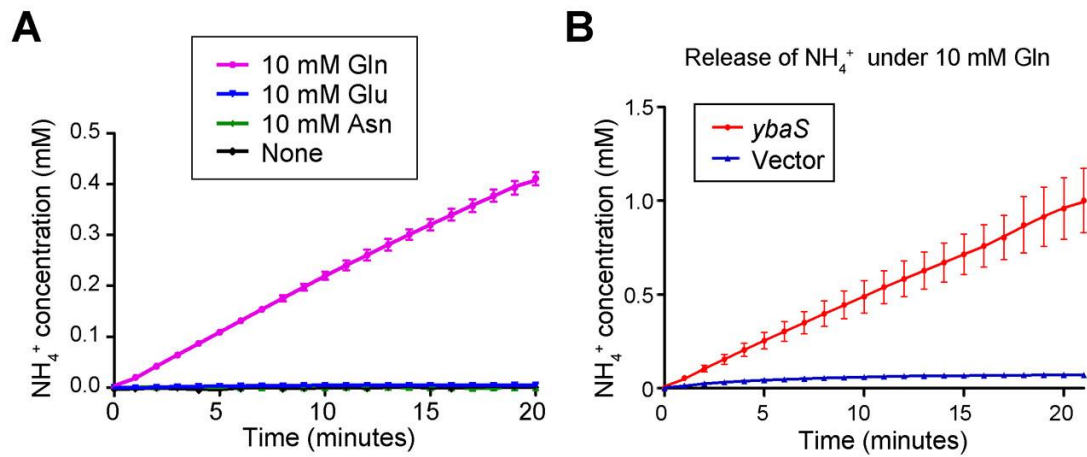




Supplementary information, Figure S5 Measurement of ammonium accumulation in citrate buffer (pH 2.5).

(A) Ammonium concentration steadily increased only in the presence of 10 mM Gln, but not 10 mM Glu or 10 mM Asn. (B) Ammonium concentration steadily increased in *E. coli* variant $\Delta ybaS$ transformed by a plasmid that expressed the *ybaS* gene, but not the empty plasmid.