

Supplemental Fig. S1

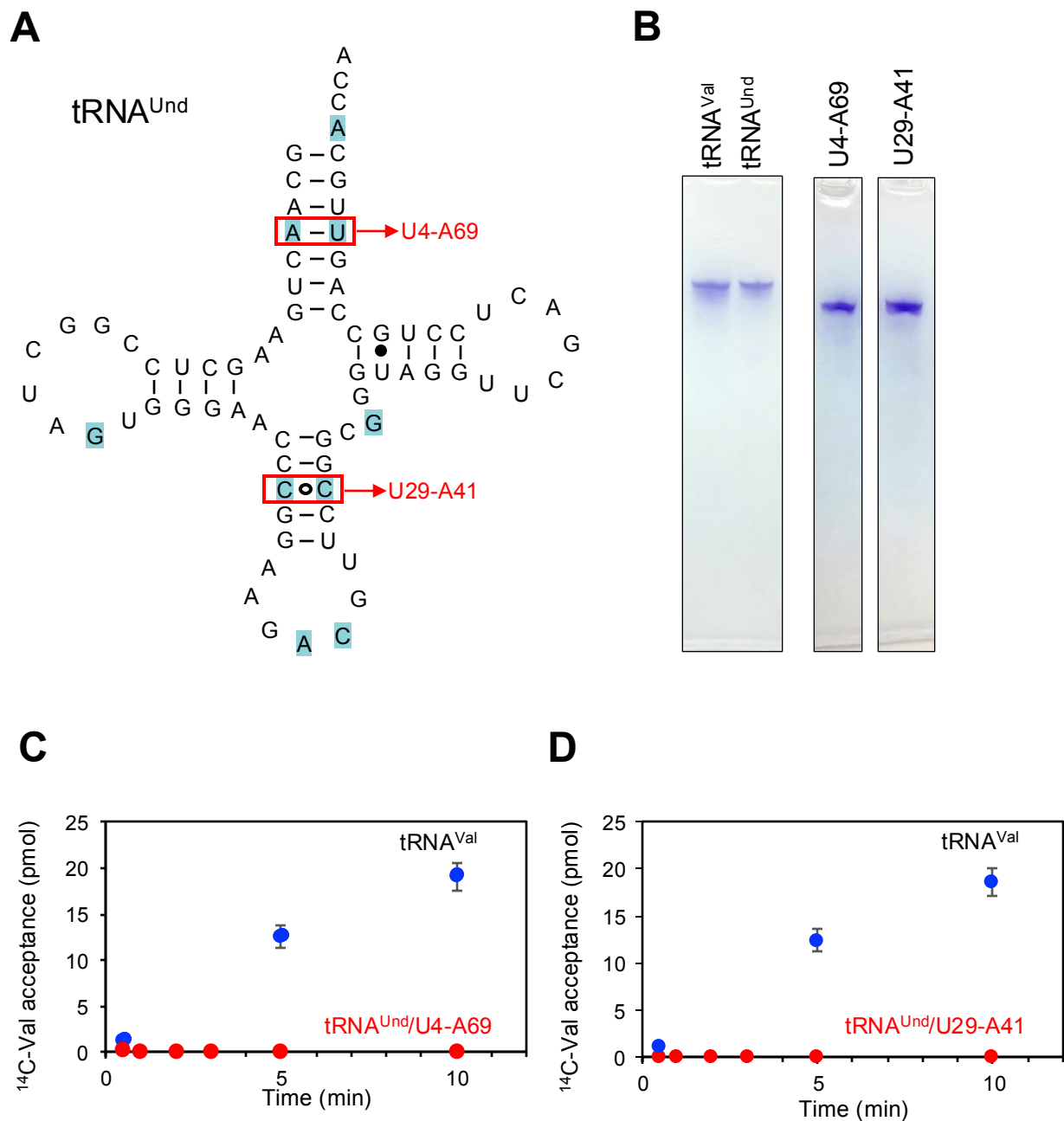


Fig. S1. Val acceptance activity of tRNA^{Und} mutant transcripts by ValRS. (A) The tRNA determinants of *E. coli* ValRS are highlighted in cyan. (B) *In vitro* transcribed tRNAs were analyzed by 10% PAGE (7 M urea). The gels were stained with toluidine blue. (C) Val acceptance activities of tRNA^{Und} transcripts with A4-U-69 substituted for U4-A69 or (D) C29•C41 substituted for U29-A41. Blue and red circles represent tRNA^{Val} and tRNA^{Und} mutants, respectively.