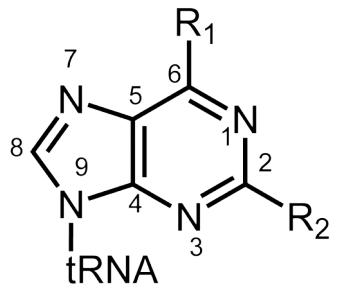


SUPPLEMENTAL INFORMATION

Figure S1. Structures of nucleobases inserted at N(-4) of pre-tRNA. For A(-4) R₁ = NH₂, R₂ = H; G(-4) R₁ = O, R₂ = NH₂; P(-4) R₁ = H, R₂ = H; DAP(-4) R₁ = NH₂, R₂ = NH₂; 2AP(-4) R₁ = H, R₂ = NH₂.



Supplementary Materials