Figure S1. C5/C1' regions of ${}^{13}C{}^{-1}H$ HSQC spectra (bottom) of the anticodon stem-loop after ($\psi_{32}ACSL^{Phe}$) and before (ACSL^{Phe}) modification. Isomerization of uridine to form the C5-C1' glycosidic bond results in loss of the C5-H5 cross peak. One-dimensional slices (above) through the HSQC spectra at the chemical shift corresponding to U₃₂ C5. No residual uridine could be detected in the sample after modification with RluA enzyme.

