

SUPPLEMENTARY INFORMATION FOR:

Mechanistic characterization of the 5'-triphosphate-dependent activation of PKR:
Lack of 5'-end nucleobase specificity, evidence for a distinct triphosphate binding
site, and a critical role for the dsRBD

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Figure S1. Photochemical crosslinking of ppp-ssRNA-47 with wtPKR is protein-, 4-thioU- and
UV-dependent.

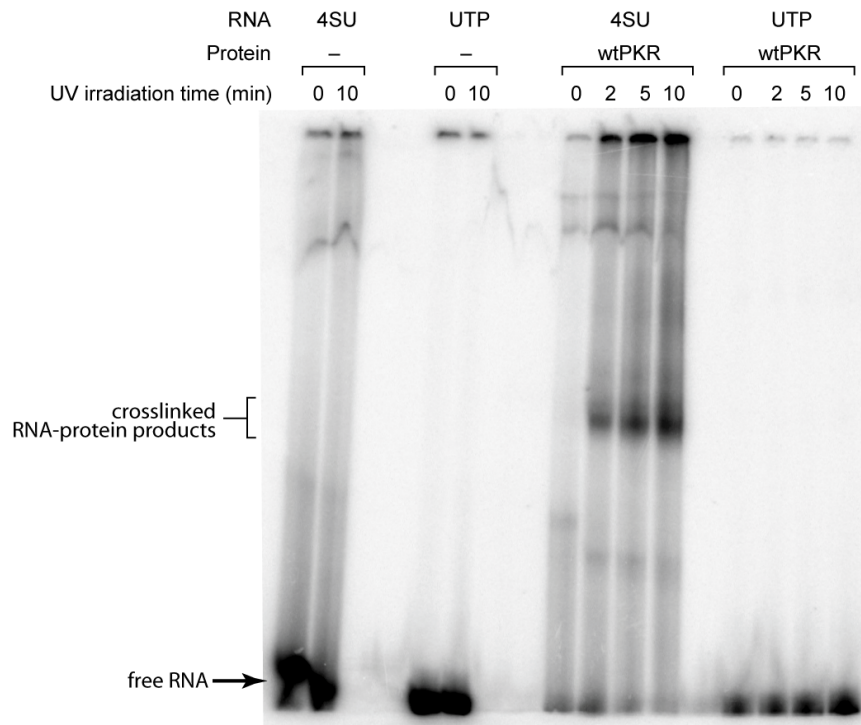


Figure S1. Photochemical crosslinking of ppp-ssRNA-47 with wtPKR is protein-, 4-thioU-, and UV-dependent. 4-thioU-substituted ppp-ssRNA-47 (4SU) or unsubstituted ppp-ssRNA-47 (UTP) was incubated with wtPKR and exposed to 365 nm light for 0, 2, 5, or 10 min and analyzed by 7% denaturing (7M urea) PAGE. Positions of free RNA and crosslinked products are indicated. Protein-dependence of crosslinked products was confirmed by comparing the first and third set of lanes; 4thioUTP-dependence was confirmed by comparing third and fourth set of lanes; and UV-dependence was confirmed by comparing lanes 1 and lanes 2-4 of the third set of lanes.