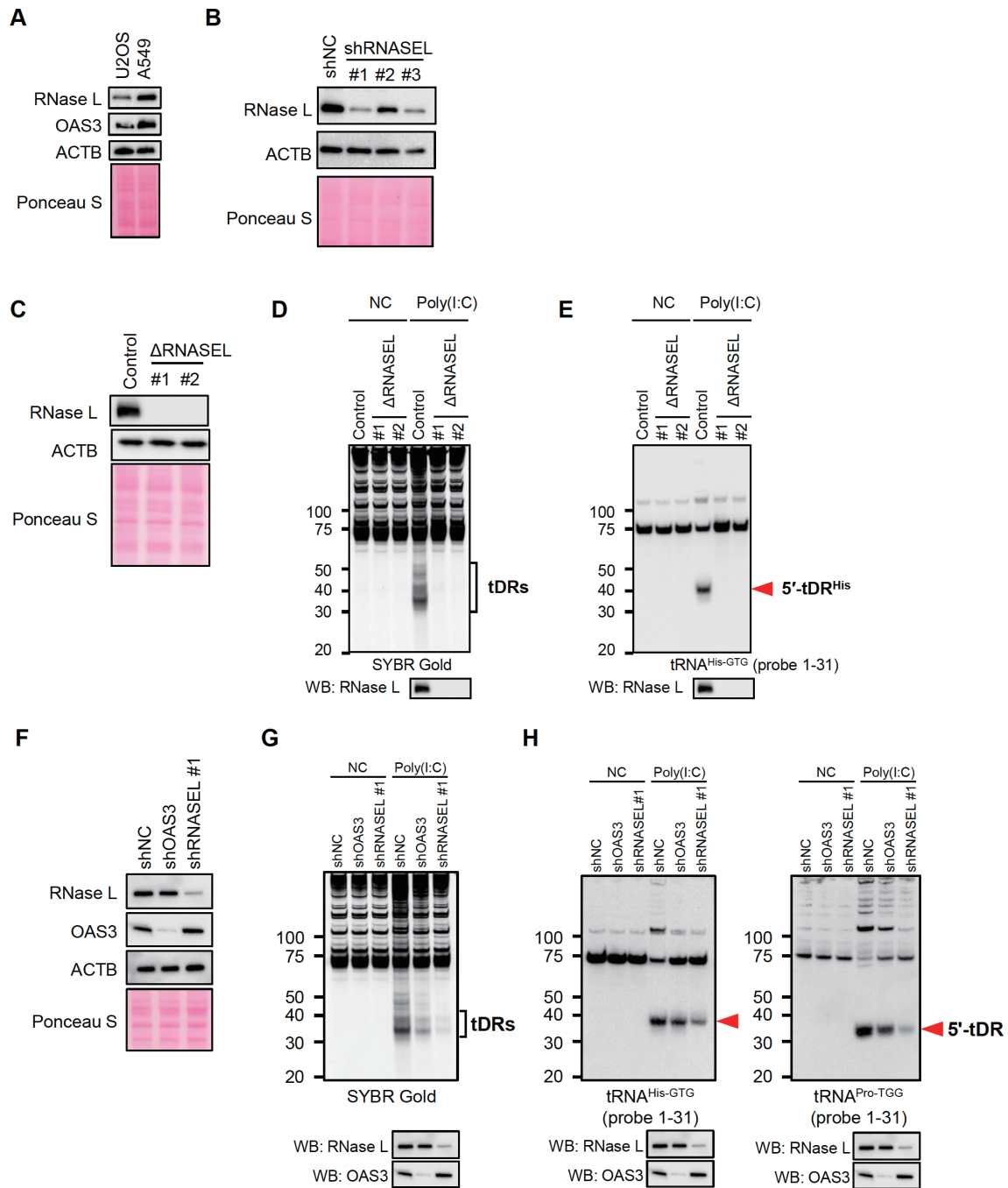


Supplemental Fig. S1



Supplemental Fig. S1. Both RNase L and OAS3 expression levels regulate the amount of Poly(I:C)-induced tDRs.

(A) Comparison of RNase L and OAS3 expression levels between U2OS and A549 cells. Western blotting for RNase L, OAS3 and ACTB. Ponceau S was also used as a loading control. (B) *RNASEL* knockdown efficiency of three constructs at day 7. Western Blotting for RNase L and ACTB are shown. Ponceau S was also used as a loading control. (C-E) RNase L-deleted (Δ RNASEL) A549 cells completely abolish Poly(I:C)-induced tDRs production. (C) Western blotting for RNase L and ACTB. Ponceau S was also used as a loading control. (D) SYBR Gold staining and (E) northern blotting for tRNA^{His-GTG}. A red arrowhead indicates 5'-tDR^{His} generated by RNase L-mediated cleavage. (F-H) OAS3 also regulates the amount of Poly(I:C)-induced tDRs in A549 cells. (F) shRNA-mediated *OAS3/RNASEL* knockdown. Western blotting for RNase L, OAS3 and ACTB. Ponceau S was also used as a loading control. (G) SYBR Gold staining, and (H) northern blotting for tRNA^{His-GTG} and tRNA^{Pro-TGG}. Red arrowheads indicate 5'-tDRs generated by RNase L.