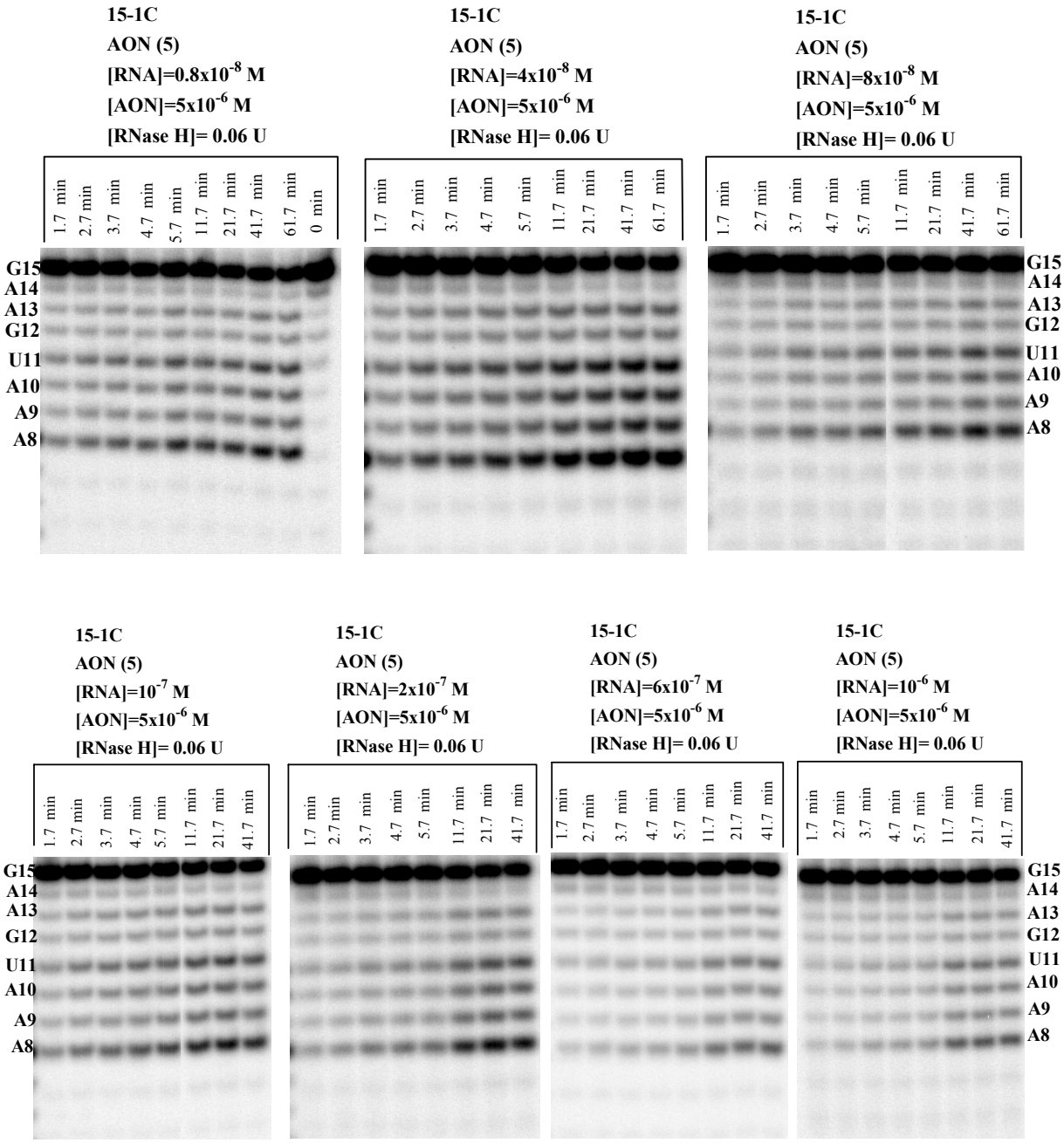


**Figure S1.** Autoradiograms of 20% denaturing PAGE, showing the cleavage kinetics of 5'-$^{32}$P labeled target RNA (**14**) by RNase H1 in the oxetane **C** modified AON (**5**)/RNA(**14**) hybrid duplex. Conditions of cleavage reaction: RNA (0.008 μM – 1 μM) and AONs (5 μM) in buffer, containing 20 mM Tris-HCl (pH 8.0), 20 mM KCl, 10 mM Mg $Cl_2$ and 0.1 mM DTT at 21 C, 0.06 U of RNase H. Total reaction volume is 30 μl. (See Materials and Methods section for full experimental details.)