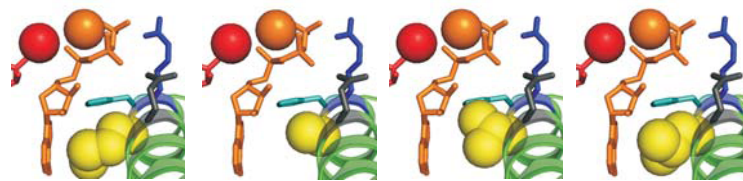


(a)

M1238(WT)

M1238A

M1238V

M1238L

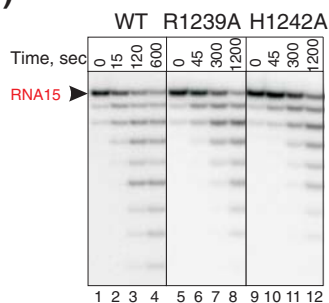
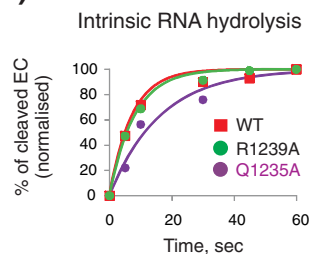
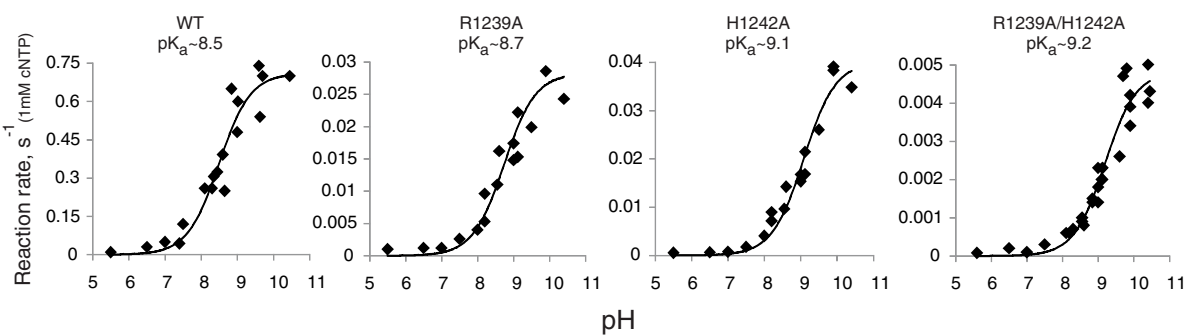
Reaction rate in

saturating cNTP, s^{-1}

100

 $5.6 \pm 0.5 \times 10^{-2}$ $2.3 \pm 0.3 \times 10^{-1}$

100

 $K_d[\text{ncNTP}]$, μM 2800 ± 600 990 ± 230 1700 ± 500 2800 ± 150 **(b)****(c)****(d)****(e)**