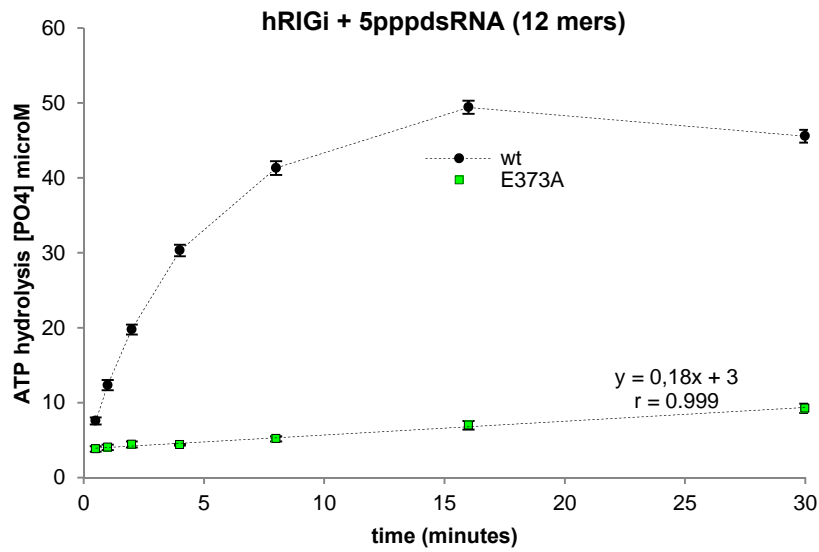


Additional file 7



DECH/DACH mutation in ATPase domain of hRIG-I results in much slower ATP hydrolysis ability. ATP hydrolysis assay was performed by incubating 0.5 μ M RIG-I, 2 μ M 12dsRNA and 2 mM ATP. Note that the ATP hydrolysis rate of hRIG-I E373A and that of dRIG-I E373Q (manuscript, Figure 4) do not significantly differ to each other (0.18 ± 0.035 μ M PO₄/min and 6.35 ± 0.12 μ M PO₄/min, respectively, $p > 0.15$) as were the fold reduction compared to their human and duck counterpart (35.6 ± 6.7 and 24.9 ± 3.5 respectively, $p > 0.15$)