

k_{on}

A3G	Force (pN)	Average (1/s)	Standard Error	N
WT	10	0.0065	0.0014	5
WT	20	0.0085	0.0016	5
WT	35	0.0051	0.0010	5
WT	50	0.0032	0.0005	5
WT	65	0.0021	0.0008	5
WT	80	0.0021	0.0007	5

 k_{off}

A3G	Force	Average (1/s)	Standard Error	N
WT	50	0.014	0.002	5
WT	65	0.012	0.003	3
WT	80	0.014	0.002	3
FW	20	0.013	0.002	5
FW	35	0.016	0.003	3
FW	50	0.015	0.002	4
FW	65	0.015	0.003	3
FW	80	0.014	0.004	3

Average rates, associated standard errors, and biological replications (N) for measurements of A3G binding to (k_{on}) and dissociation from (k_{off}) ssDNA as plotted in figure 2C&F.