### Figure 6—Source Data 1. Affinities of wildtype, H2THand KGRR mutants for stacked junction DNA.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Substrate | Enzyme construct | | | | |
|  | wildtype | KGRRAAA | KGRREEE | H2THAAA | H2THEEE | |
| 20 bp duplex, Kd,app (nM) | 427±16 | 338 ±11 | 338±15 | 505±22 | 222±11 | |
| 16 x 20 bp junction, Kd,app (nM) | 122±4 | 758 ±28\* | 1455±52\* | 181±8 | 90±4 | |

\*Kd,app ambiguous due to poorly defined ΔFAmax.

\*\*Standard errors in fit parameters are reported.