**Supplementary file 3. NMR line shape fitting analysis with fixed KD values.**

|  |  |  |
| --- | --- | --- |
| KD (fixed) | Koff (float) | Norm of residuals  (chi-square residuals) |
| 12 μM | 38.2 ± 2.8 s-1 | 8436.49 |
| 24 μM | 60.9 ± 5.6 s-1 | 8384.08 |
| 48 μM | 119.0 ± 6.7 s-1 | 8455.18 |