**Supplementary file 1. Model statistics.**

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| --- | --- | --- |
|  | Fdx/RbpA/A-holo/us-fork | RbpA/A-holo/(us-fork)2 |
| Resolutiona | 3.38 Å | 3.27 Å |
| Molprobity score | 2.29 | 2.42 |
| Clashscore (all atoms) | 10.79 | 5.88 |
| Rotamer outliers | 7.13% | 13.48% |
| RMS deviations bonds (Å) | 0.002 | 0.007 |
| RMS deviations angles (°) | 0.491 | 0.837 |
| Ramachandran favored | 89.71% | 92.14% |
| Ramachandran outliers | 0.30% | 0.03% |

a Gold standard FSC 0.143 cutoff criteria (Rosenthal and Henderson, 2003).