**Supplementary file 2. Table of crystallographic statistics.**

|  |  |
| --- | --- |
|  | *Msm* RbpA/TIC |
| **Data collection** |  |
| Space group | P21 |
| Combined datasets | 4 |
| Cell dimensions |  |
| *a* (Å) | 133.012 |
| *b* (Å) | 161.633 |
| *c* (Å) | 139.211 |
|  |  |
| Wavelength (Å) | 0.97918 |
| Resolution (Å) | 51.99 – 2.76 (2.859 – 2.76)a |
| Total reflections | 2,329,541 (175,429) |
| Unique reflections | 143,776 (13,955) |
| Multiplicity | 16.2 (12.3) |
| Completeness (%) | 99 (100) |
| <*I*>/*I* | 22.39 (0.77) |
| Wilson B-factor (Å2) | 78.20 |
| *R*mergeb | 0.2343 (4.816) |
| *R*measb | 0.2417 (5.021) |
| *R*pimb | 0.059 (1.564) |
|  |  |
| CC1/2c | 0.998 (0.214) |
| CC\*c | 1 (0.594) |
|  |  |
| **Refinement** |  |
| *R*work / *R*free | 0.2388/0.2795 (0.4515/0.4630) |
| CCwork/CCfreec | 0.952/0.929 (0.467/0.437) |
| No. atoms | 26,608 |
| Macromolecule | 26,396 |
| Ligand/ion | 87 |
| Water | 125 |
| Protein residues | 3,329 |
| *B*-factors |  |
| Macromolecules | 85.92 |
| Ligand/ions/water | 80.82 |
| R.m.s deviations |  |
| Bond lengths (Å) | 0.004 |
| Bond angles (°) | 0.74 |
| Clashscore | 36.27 |
| Ramachandran favored (%) | 96 |
| Ramachandran outliers (%) | 0.27 |

a Values in parentheses are for highest-resolution shell.

**b** (Diederichs and Karplus, 1997)

c (Karplus and Diederichs, 2012)