Supplementary Table 2. X-ray data collection and refinement statistics

<table>
<thead>
<tr>
<th>Data collection</th>
<th>CV503 + RBD + COVA1-16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beamline</td>
<td>SSRL12-1</td>
</tr>
<tr>
<td>Wavelength (Å)</td>
<td>0.97946</td>
</tr>
<tr>
<td>Space group</td>
<td>P 1 2; 1</td>
</tr>
</tbody>
</table>

Unit cell parameters

- a, b, c (Å): 172.2, 122.7, 175.5
- α, β, γ (°): 90, 118.2, 90

Resolution (Å)\(^a\): 50.0-3.40 (3.48-3.40)

Unique reflections\(^a\): 87,443 (8,562)
Redundancy\(^a\): 3.4 (3.5)
Completeness (%): 98.8 (99.8)

\(<I/σ_I>\)\(^a\): 10.2 (1.0)

\(R_{sym}\)\(^b\) (%): 14.6 (>100)

\(R_{pim}\)\(^b\) (%): 4.3 (64.9)

\(CC_{1/2}\)\(^c\) (%): 99.8 (53.6)

Refinement statistics

Resolution (Å): 40.6-3.40
Reflections (work): 87,416
Reflections (test): 2,000

\(R_{cryst}\)\(^d\) / \(R_{free}\)\(^e\) (%): 20.0/23.5

No. of atoms: 24,307
- RBD: 4,671
- CV503 Fab: 9,602
- COVA1-16 Fab: 10,034

Average B-values (Å\(^2\)): 131
- RBD: 139
- CV503 Fab: 131
- COVA1-16 Fab: 128

Wilson B-value (Å\(^2\)): 128

RMSD from ideal geometry

Bond length (Å): 0.002
Bond angle (°): 0.60

Ramachandran statistics (%)

- Favored: 95.8
- Outliers: 0.28

PDB code: pending

\(^a\) Numbers in parentheses refer to the highest resolution shell.
\(^b\) \(R_{sym} = \frac{\sum_i |I_{hkl} - \langle I_{hkl}\rangle|}{\sum_i \langle I_{hkl}\rangle}\) and \(R_{pim} = \frac{\sum_i (1/(n-1))^{1/2} |I_{hkl} - \langle I_{hkl}\rangle|}{\sum_i \langle I_{hkl}\rangle \sum_i I_{hkl}}\), where \(I_{hkl}\) is the scaled intensity of the \(i^{th}\) measurement of reflection \(h, k, l\), \(\langle I_{hkl}\rangle\) is the average intensity for that reflection, and \(n\) is the redundancy.

\(^c\) \(CC_{1/2} = \) Pearson correlation coefficient between two random half datasets.

\(^d\) \(R_{cryst} = \frac{\sum _{hk}\sqrt{rac{|F_o|}{|F_c|}}}{\sum _{hk} |F_o|}\), where \(F_o\) and \(F_c\) are the observed and calculated structure factors, respectively.

\(^e\) \(R_{free}\) was calculated as for \(R_{cryst}\), but on a test set comprising 5% of the data excluded from refinement.