

Supplementary Table S1. Model Parameters

| Data Collection | <i>Lin^R</i> | <i>Lin^S</i> |
|-----------------------------------|------------------------|------------------------|
| Particles | 80,500 | 126,000 |
| Pixel size (Å) | 1.1 | 0.96 |
| Defocus range (µm) | 0.6-3.5 | 1.0-2.7 |
| Voltage (kV) | 300 | 200 |
| Electron dose (e/Å ²) | 45 | 40 |
| Refinement | | |
| CC _{map_model} | 0.74 | 0.73 |
| Model Quality | | |
| <i>RMSD</i> | | |
| Bond length (Å) / Bond angles (°) | 0.008 / 0.98 | 0.009/1.1 |
| <i>Ramachandran</i> | | |
| Most favored (%) | 88.1 | 82.9 |
| Outliers (%) | 0.12 | 0.30 |
| Favoured (%) | 11.8 | 16.8 |
| <i>Rotamer outliers</i> | 0.19 | 0.83 |
| <i>C-Beta deviations</i> | 0 | 0 |
| <i>Clashscore</i> | 3.63 | 5.76 |