

Table S1 Data collection, phasing and refinement statistics.

| | <i>ScCdc13</i> _{OBI} | <i>ScCdc13</i> _{OBI} | <i>ScCdc13</i> _{OBI} - <i>Poll</i> _{CBM} |
|---|-------------------------------------|-------------------------------------|--|
| Data collection | <i>Hg peak</i> | <i>Native</i> | <i>Native</i> |
| Space group | <i>P2₁2₁2</i> | <i>P2₁2₁2</i> | <i>P2₁2₁2₁</i> |
| Cell dimensions | | | |
| <i>a, b, c</i> (Å) | 62.441, 69.024, 52.064 | 62.515, 68.641, 52.815 | 60.393, 85.090, 60.376 |
| α, β, γ (°) | 90, 90, 90 | 90, 90, 90 | 90, 90, 90 |
| Wavelength (Å) | 1.12721 | 0.97856 | 0.97872 |
| Resolution (Å) | 50-3.3 | 50-2.5 | 100-2.4 |
| <i>R</i> _{merge} | 0.085(0.263)* | 0.063(0.313)* | 0.074(0.393)* |
| <i>I</i> / σ <i>I</i> | 27.3(6.0)* | 41.8(3.6)* | 42.7(2.9)* |
| Completeness (%) | 93.2(72.0)* | 96.4(76.8)* | 97.3(83.1)* |
| Redundancy | 8.7(7.1)* | 6.6(4.7)* | 6.9(3.9)* |
| Phasing | | | |
| Figure of Merit (anomalous) | 0.24893(acen) | | |
| | 0.08433(cent) | | |
| Phasing power (anomalous) | 0.750 | | |
| Refinement | | | |
| Resolution (Å) | | 50-2.5 | 50-2.4 |
| No. reflections | | 7498 | 9706 |
| <i>R</i> _{work} / <i>R</i> _{free} | | 0.211/0.267 | 0.224/0.264 |
| No. atoms | | | |
| Protein | | 1608 | 1741 |
| Water | | 35 | 34 |
| Wilson B-factors (Å ²) | | 61.9 | 55.5 |
| B-factors (Å ²) | | | |
| Protein | | 66.293 | 37.844 |
| Water | | 61.067 | 43.306 |
| R.m.s deviations | | | |
| Bond lengths (Å) | | 0.006074 | 0.004976 |
| Bond angles (°) | | 1.23652 | 1.15154 |
| B-factors (Å ²) | | 5.782 | 5.821 |

*The numbers in parentheses represent the highest resolution shell numbers.