Table 1. Data collection and refinement statistics

| | Apo-Dicer | Dicer + Cd ⁺² |
|--|------------------------------------|------------------------------------|
| Crystal data | | |
| Space Group Unit Cell (Å) | $P4_22_12$ a = 66.50, b = 66.50 | $P4_22_12$ a = 70.10, b = 70.10 |
| · , | c = 134.08 | c = 132.59 |
| z ^a | 1 | 1 |
| X-Ray data collection statistics | | |
| Wavelength (Å) | 0.9795 | 1.11 |
| Resolution (Å) Total reflections | 40 – 1.68 565,070 | 40.0 – 2.80 58,363 |
| Unique reflections | 31,447 | 7,513 |
| Completeness (last shell) (%) ^b | 94.2 (56.55) | 90.78 (51.70) |
| R _{merge} (last shell) | 6.0 (44.4) | 5.7 (36.8) |
| //σ (last shell) | 63.4 (2.3) | 28.6 (3.67) |
| Phasing statistics | | |
| Method | SAD | MR |
| Figure of Merit | 0.51 | |
| Refinement statistics | | |
| R _{cryst} , % ^c | 18.0 | 23.27 |
| R _{free} , % ^c Mean <i>B</i> -factors, Å ² | 21.0 25.11 | 30.42 99.9 |
| rmsd bonds, Å | 0.014 | 0.019 |
| rmsd angles, ° | 1.41 | 2.16 |
| Ramachandran plot outliers, % | 0.0 | 4.62 |

 $^{^{\}rm a}$ z is the number of equivalent structures per asymmetric unit $^{\rm b}$ $R_{\rm merge}$ = Σ | $I_{\rm hkl}$ - < $I_{\rm hkl}$ > | / $\Sigma I_{\rm hkl}$, where $I_{\rm hkl}$ is the measured intensity of hkl reflection and < $I_{\rm hkl}$ > is the mean of all measured intensity of hkl reflection $^{\rm c}$ $R_{\rm cryst}$ = $\Sigma_{\rm hkl}$ | $|F_{\rm obs}|$ - $|F_{\rm calc}|$ | / $\Sigma_{\rm hkl}|F_{\rm obs}|$, where $F_{\rm obs}$ is the observed structure factor amplitude and $F_{\rm calc}$ is the structure factor calculated from model. $R_{\rm free}$ is computed in the same manner as is $R_{\rm cryst}$, with the test set of reflections (5%).