

**Supplemental Table 1 Crystallographic statistics of SeMet-CyaA-ACD/C-CaM**

SeMet-CyaA-ACD/C-CaM			
<b>Data Collection</b>			
Beamline	APS ID-19	APS ID-19	APS ID-19
	Inflection	Peak	Remote
Wavelength (Å)	0.97948	0.97929	0.95645
Space group	P4 <sub>1</sub> 2 <sub>1</sub> 2	P4 <sub>1</sub> 2 <sub>1</sub> 2	P4 <sub>1</sub> 2 <sub>1</sub> 2
	Cell dimension(Å)		
a	79.9	79.9	79.9
b	79.9	79.9	79.9
c	141.6	141.6	141.6
Resolution (Å)	30-3.1	30-3.1	30-3.5
Rsym (%) <sup>a</sup>	14.8(36.8) <sup>e</sup>	13.5(41.6) <sup>e</sup>	16.5(39.4) <sup>e</sup>
I/sigma	12.1(3.7) <sup>e</sup>	13.1(2.3) <sup>e</sup>	9.1(4.8) <sup>e</sup>
Redundancy <sup>b</sup>	6.5(3.5) <sup>e</sup>	6.5(5.4) <sup>e</sup>	7.1(4.9) <sup>e</sup>
Completeness (%)	97.6(90.1) <sup>e</sup>	99.3(99.2) <sup>e</sup>	97.8(96.4) <sup>e</sup>
Phasing power (acentrics)			
Isomorphous	0.66	N/A <sup>f</sup>	0.36
Anomalous	0.92	1.78	0.0
Phasing power (centrics)			
Isomorphous	0.452	N/A	0.27
FOM (acentrics)		0.53	
FOM (centrics)		0.29	

<sup>a</sup>  $R_{\text{sym}} = \sum_j | \langle I \rangle - I_j | / \sum \langle I \rangle$  where  $I_j$  is the intensity of the  $j$ th reflection and  $\langle I \rangle$  is the average intensity.

<sup>b</sup>  $N_{\text{obs}}/N_{\text{unique}}$ . <sup>c</sup>  $R_{\text{work}} = \sum_{\text{hkl}} |F_{\text{obs}} - F_{\text{calc}}| / \sum_{\text{hkl}} F_{\text{obs}}$ . <sup>d</sup>  $R_{\text{free}}$ , calculated the same as for  $R_{\text{work}}$  but on the 5% data excluded from the refinement calculation. <sup>e</sup> the outer resolution shell. <sup>f</sup> not applicable.