

**Table 1. Data collection statistics**

	MMP12-NNGH	MMP12-AHA-HR
Space group	P2(1)2(1)2	C2
Cell dimensions	$a = 37.30$ $b = 62.63$ $c = 69.24$ Å $\alpha = \beta = \gamma = 90^\circ$	$a = 50.92$ $b = 59.59$ $c = 53.49$ Å $\alpha = \gamma = 90^\circ$ $\beta = 115.14^\circ$
Resolution, Å	46.4-1.34	48.4-1.0
Total reflections	223,414 (23,499)*	263,803 (27,281)
Unique reflections	36,295 (4,889)	70,833 (8,671)
Overall completeness, %	98.4 (92.6)	97.6 (84.9)
$R_{\text{sym}}$ , %	5.7 (30.8)	5.7 (25.1)
Multiplicity	6.2 (4.8)	3.7 (3.1)
$I/\sigma(I)$	7.2 (2.3)	5.5 (2.7)
$B$ factor from Wilson plot, Å <sup>2</sup>	16.39	6.63

\*Numbers in parentheses refer to the high-resolution shell.