

**Supplemental Table II.** Summary of the low resolution structural data obtained from SAXS analysis of the CluPG1-PvPGIP2 complex. Radius of gyration ( $R_g$ ), maximum size of the particle ( $D_{max}$ ), estimated volume, radius of gyration obtained with SASREF ( $R_{gs}$ ), mean  $\chi$  obtained with GA\_STRUCT and SASREF, respectively ( $\chi_G$  and  $\chi_s$ ) are reported. \*Data for the FpPG-PvPGIP2 complex are taken from Reference 30 and are reported for comparison.

Sample	$R_g$ (Å)	$D_{max}$ (Å)	Volume (nm <sup>3</sup> )	$R_{gs}$ (Å)	$\langle\chi_G\rangle$	$\langle\chi_s\rangle$
CluPG1-PvPGIP2	$28.5 \pm 0.4$	$84 \pm 2$	$109 \pm 4$	28.8	$0.203 \pm 0.009$	$0.49 \pm 0.04$
*FpPG-PvPGIP2	$28.6 \pm 0.4$	$80 \pm 5$	$114 \pm 6$	28.3	$0.416 \pm 0.033$	$0.76 \pm 0.02$