Table S1:

Peptide nanodisc size distribution by TEM and DLS

The particle size measurement from TEM images were made on the 2D class average analysis.

PDI (polydispersity Index) represents the monodisperse standards from Zetasizer software.

Values smaller than 0.7 indicate the sample has a reasonably narrow size distribution.

Lipid:peptide (molar)	TEM(diameter)	DLS (diameter, PDI)
1:1	12.0 ± 1.8 nm	11.5±2.7 nm, 0.25
1:3	8.6±1.2 nm	7.2±1.5 nm, 0.65
1:9	6.3±1.1 nm	5.1±1.2 nm, 0.33