Fig. S5*: Cryo-EM data analysis of the active setmelanotide−MC4R−Gs−Nb35 complex.*
(**a**) Representative cryo-electron micrograph. The scale bar represents 50 nm in the image.
(**b**) Distribution of projection directions as estimated during homogeneous refinement with cryoSPARC.
(**c**) Global resolution estimation by Fourier shell correlation calculations (FSC = 0.143 cutoff) after "gold standard" refinement. The light blue curve was calculated without masking, the black curve by applying a spherical mask and the red one after phase randomization using a soft-mask.
(**d**) Representative 2D class averages confirm random distribution of projection directions. The scale bar corresponds to 10 nm in the image.
(**e**) Representation of local resolution estimation determined with cryoSPARC. The final cryo-EM density is colored according to the local resolution ranging from dark blue (2.4 Å) to red (4.4 Å).