



Fig. S3 Atomic resolution models of the MC1R-Gs complexes. EM density maps and models of the α -MSH-MC1R-Gs complex (a), SHU9119-MC1R-Gs complex (b), afamelanotide-MC1R-Gs-Nb35-scFv16 complex (c), and afamelanotide-MC1R-Gs-scFv16 complex (d). All transmembrane helices of MC1R, α 5 helix and α N helix of Gs subunit, α -MSH, SHU9119, afamelanotide and calcium ion are shown. The EM densities are shown at 0.05 threshold.