

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: **Conformational changes in TM5 and the hydrophobic core** (c.f. Figures 2, 3 and Supplementary Figures 3 and 4). Fit of O_o and I_f coordinates to $2F_o - F_c$ electron density contoured at 1σ , with morphs between the structures. Movie prepared using PyMOL.