Cryo-EM (6MSM) Dilated Collapsed structure Open Structure TM7 TM7 TM9 TM9 TM8 TM10 E1126 E1126 8MT TM10 TM5 TM5 TM12 ΓM12 R334 TM11 TM11 TM6 R334 M6 TM4 TM4 TM2 B) TM2 TM1 TM3 TM3 TM1 20.0 simulation 1 20.0 simulation 2 17.5 simulation 3 15.0 -15.0 15.0 12.5 10.0 7.5 5.0 12.5 10.0 simulation 1 7.5 simulation 2 simulation 3 5.0 2.5 2.5 Salt Bridge Occupancy 0.0±0.0% Salt Bridge Occupancy 54.3±14.9% 0.0 — 0.0 ← 100 200 500 300 400 200 100 400 300 500 time (ns) time (ns)