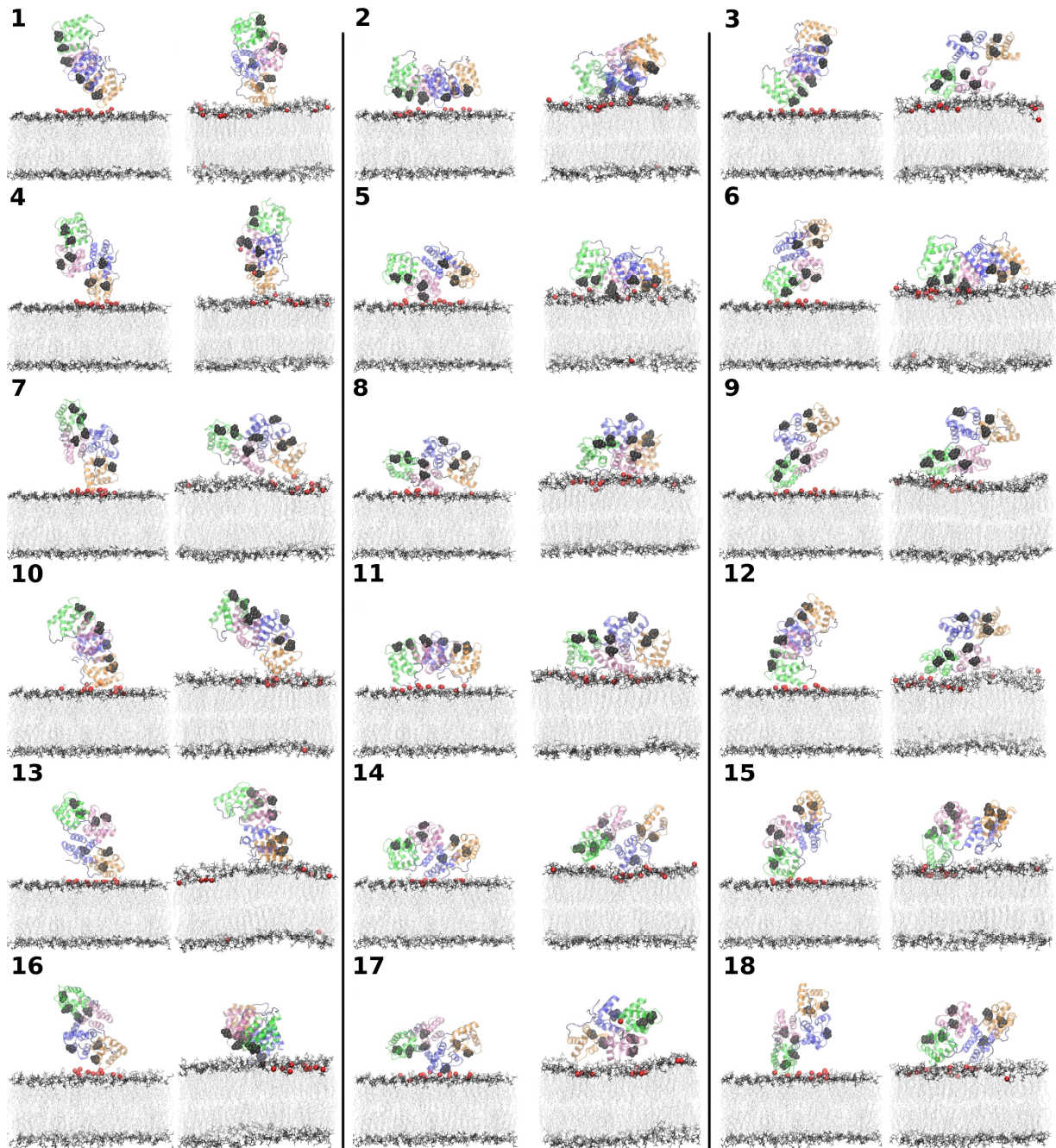


The initial and final configurations of AnxA2 in all 18 orientations are shown in S1 Fig.



S1 Fig. The initial and final configurations of 18 systems. Each pair shows the initial and final configurations of AnxA2 in respective system. The four repeats of AnxA2 are shown in different colors: repeats 1 (Ala35 – Lys104), 2 (Ala107 – Lys176), 3 (Asp187 – Ile263) and 4 (Lys266 – Cys335). The experimentally found Ca^{2+} binding Asp or Glu residues are shown in black. The Ca^{2+} ions are shown as red spheres.