

S1 Table. Average and standard deviation of RMSD for the C1 and C2 domains of AC5, α -helix angles for both domains and characterization of the C1/C2 interface: gap volume, change in accessible surface area (Δ ASA) and gap index, for the systems studied with molecular dynamics simulation. To compute the RMSD we used the average structure as the reference state.

Data	AC5	AC5+ATP	AC5+ATP+Gsa	AC5+Gsa
RMSD C1 (Å)	1.0 \pm 0.2	0.9 \pm 0.2	0.8 \pm 0.1	1.0 \pm 0.2
RMSD C2 (Å)	1.2 \pm 0.4	1.2 \pm 0.2	1.1 \pm 0.2	0.9 \pm 0.2
α_{C1} (°)	26 \pm 4	44 \pm 6	42 \pm 5	31 \pm 6
α_{C2} (°)	50 \pm 4	43 \pm 5	47 \pm 3	43 \pm 4
Gap Volume (Å ³)	7021 \pm 544	6183 \pm 418	7319 \pm 542	6872 \pm 479
Δ ASA (Å ²)	2311 \pm 161	2258 \pm 96	1927 \pm 143	2236 \pm 91
Gap index (Å)	3.1 \pm 0.3	2.8 \pm 0.3	3.8 \pm 0.5	3.1 \pm 0.3