Table S4: summary of heterogeneity analysis

Cryosparc	A N	A C	BN	ВС
- 7	_		_	
		open/close, open when N		open/close transition, opens
		bends down towards it, closes		when N bends towards it, closes
0	nothing	when N bends away from it	nothing	when N bends away
1	open/close	open/close opposite of A_N	open/close opposite of A_N	open/close together with B_N
2	open/close	small open/close together with A_N	very small open/close	open/close
3	open/close	open/close together with A_N	small open/close	open/close opposite to A_C
4	open/close	open/close opposite of A_N	open/close together with A_N	small open/close together with B_N
CryoDRGN				
1	open/close	small open/close opposite A_N	small open/close	open/close
2	small density changes but no real motion	small density changes but not real motion	open/close	small density changes but no real motion
3	open/close	small density changes but no real motion	open/close together with A_N	small open/close opposite B_N
4	small density changes but no real motion	small density changes but no real motion	open/close	open/close together with B_N
5	small open/close	small density chnages but no real motion	small open/close together with A_N	small density changes but no real motion