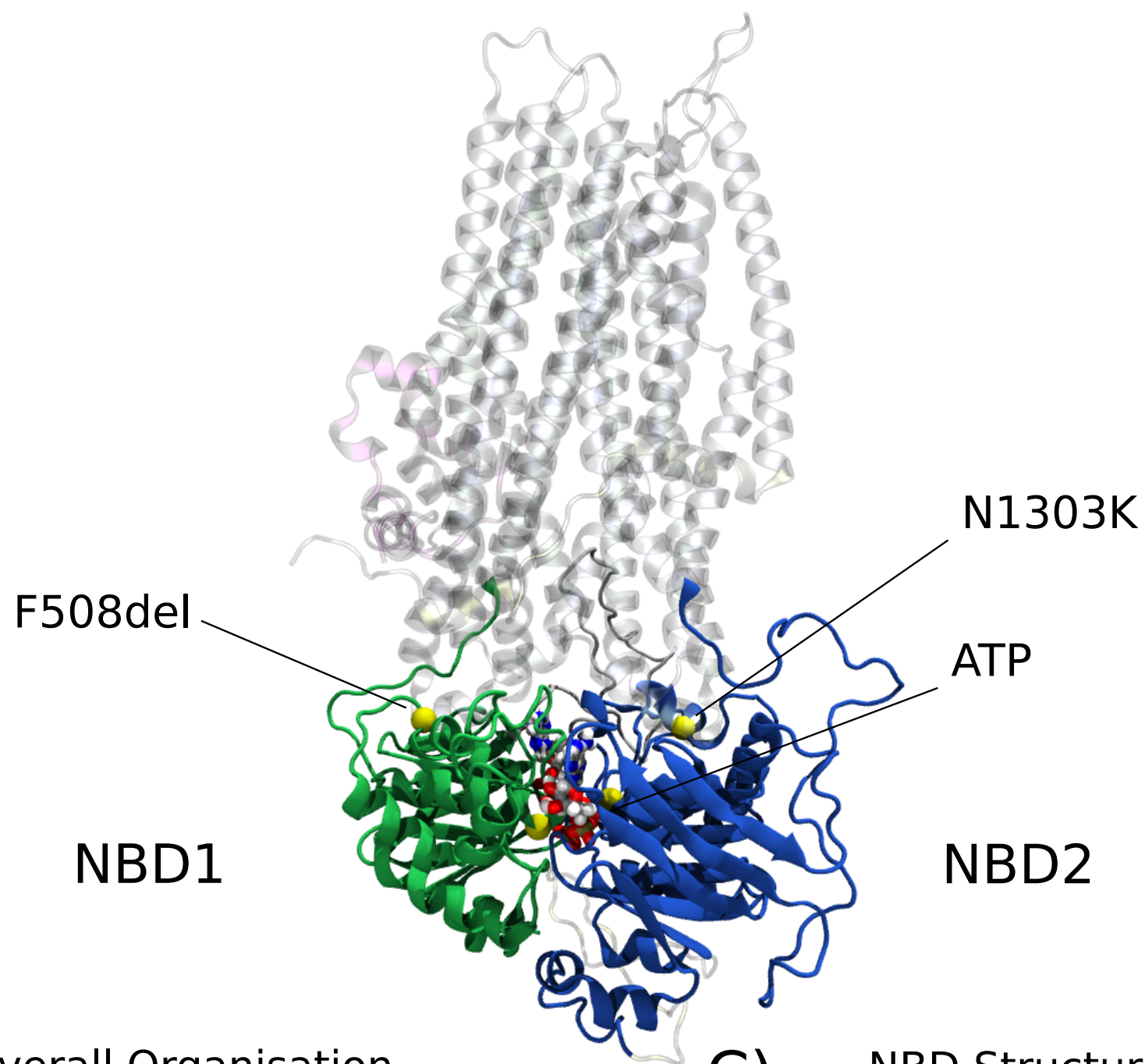
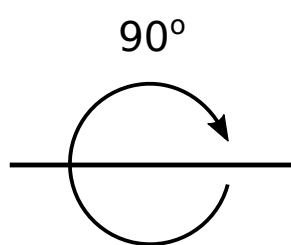


A)

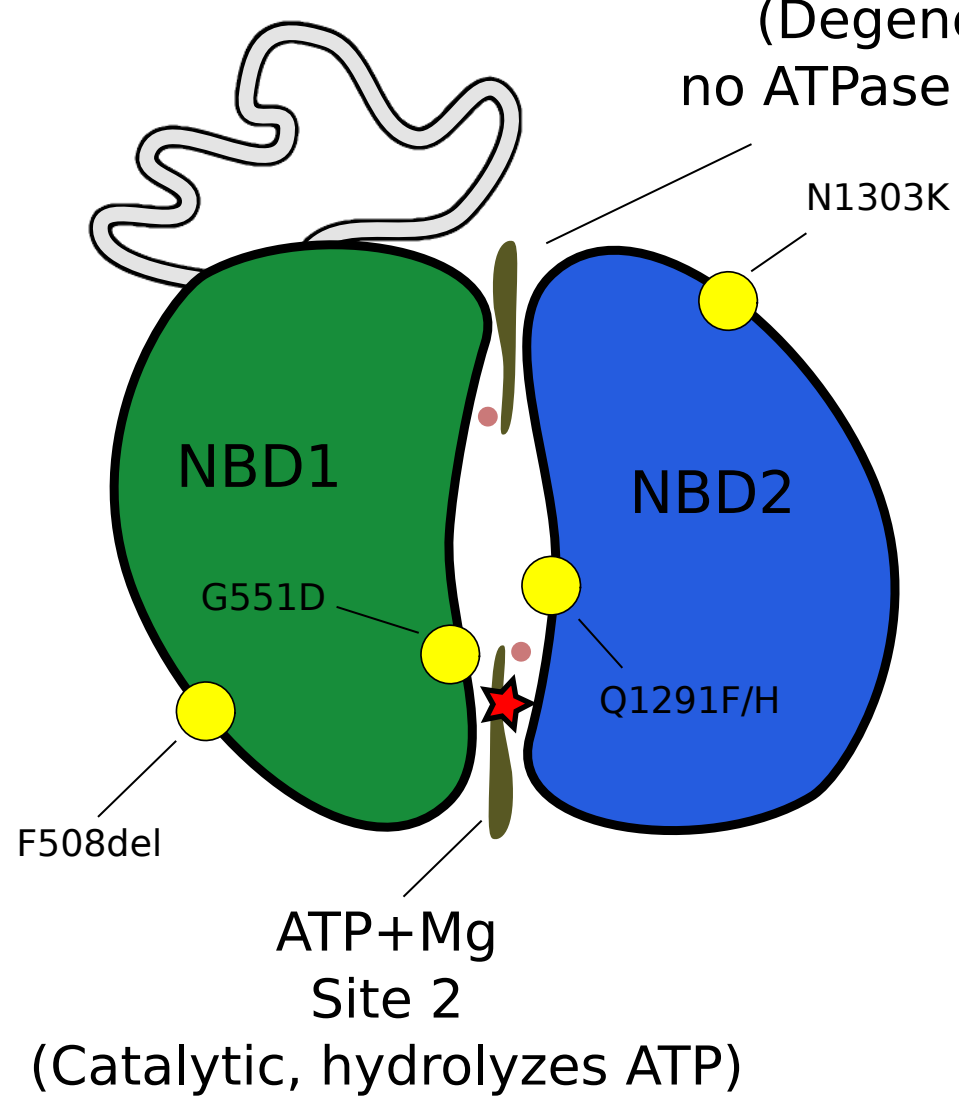
Activated Structure
PDB ID: 6MSM

B)

NBD Overall Organisation

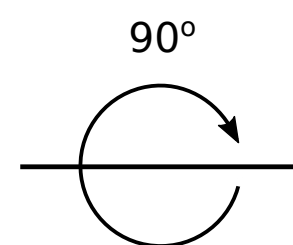


Regulatory Insertion (RI)

ATP+Mg
Site 1(Degenerate,
no ATPase activity)

C)

NBD Structural details

Regulatory
Insertion (RI)
(AA 404-435)Walker A
Motif
(AA 458-465)ICL4
(AA 1061-1069)
binding site

F508del

G551D

ATP

ATP

N1303K

ICL2
(AA 268-276)
binding site

Q1291F/H

Walker B
Motif
(AA 1366-1371)

NBD1

NBD2

Walker A
Motif
(AA 1244-1251)Mg²⁺Mg²⁺