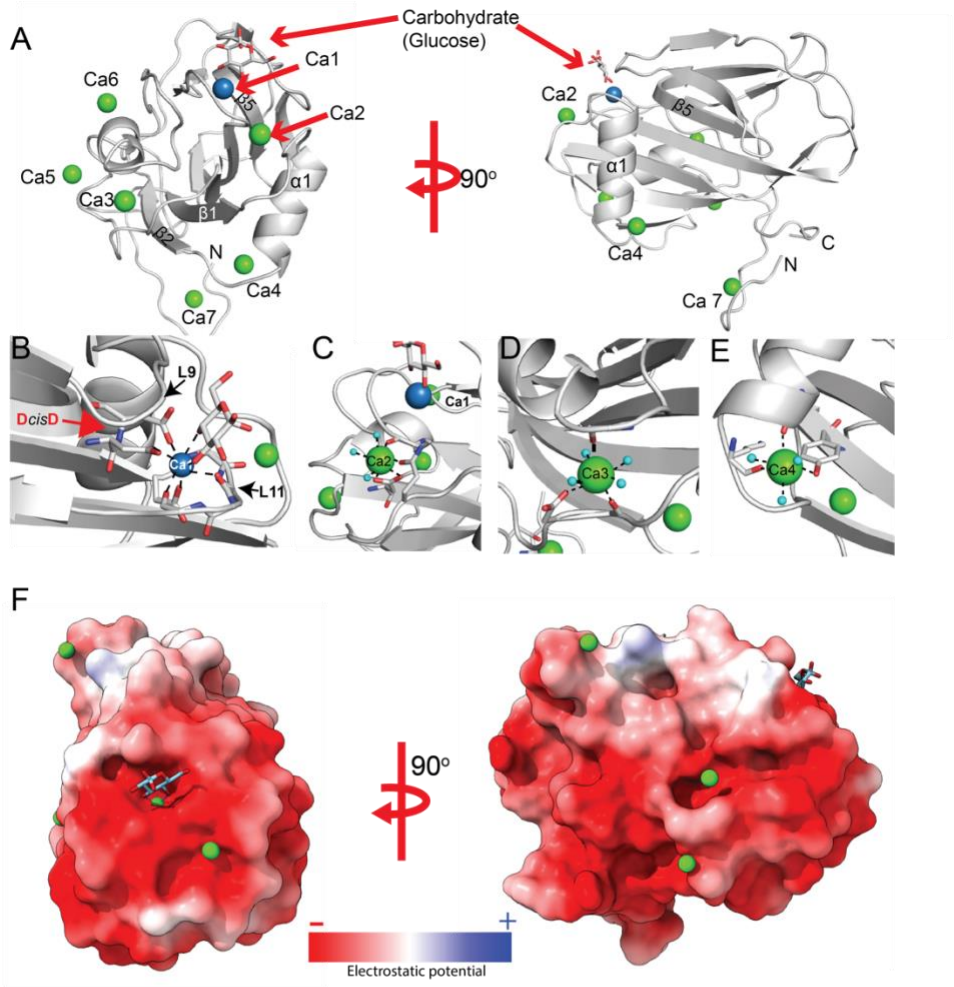
A
Carbohydrate
(Glucose)
Ca1
Ca2
Ca3
Ca4
Ca5
Ca6
Ca7
β5
α1
β1
β2
N
C
90°
B
C
D
E
L9
L11
DcisD
F
90°
Electrostatic potential
G
10
35
60
β1
L2
α1
β2
L3
MpPA14 --PDSLFAGLVGEYYG-TNSQ----LNNISDFRALVDSKEADATFEAANISYGRGSS--D
MhPA14 -FGGVAVQGLFGEYYAYAQGSDGGNLSNVAQVKAFIAANEADATFIGRNIDYGSVSG--D
VcPA14 DDTVSLYGGLTGYYYS-SNDSENGNLTSVQDALYVIASKDPDLTFEARDINYSLDANNNS
63
93
120
α2
α3
L5
β3
β4
β5
DcisD
MpPA14 VAKGTHLQEFLGSDASTLSTDPGDNTDGGIYLQGYVYLEAGTYNFKVTADDGYEITINGN
MhPA14 LGGNGKVQSFLKDDAGSLSTDPENSSDAIVKLTGNLELQAGTYQFRVRADDGYRIEVNGQ
VcPA14 LSSKSQVADFLNNDAGSLQGEVANHTDGVIKMSGSVYLEAGTYAFKVRADDGYTILIDGV
123
145
179
L9
β7
β8
L11
β9
β10
MpPA14 PVATVDNNQSVYTVTHASFTISESGYQAIDMIWWDQGGDYVFQPTLSADGGSTYFVLDSA
MhPA14 TVAEYNGNQGANTRTGSEFTLTGDGPHSVEIVYWDQGGAAQLRIELREQGGAYEIFGSQH
VcPA14 AVATVDRNQSPTTTMHSAFEISSDGYHKIEIVYWDQGGNAVLDVNLGTVDANGNFNNGEH