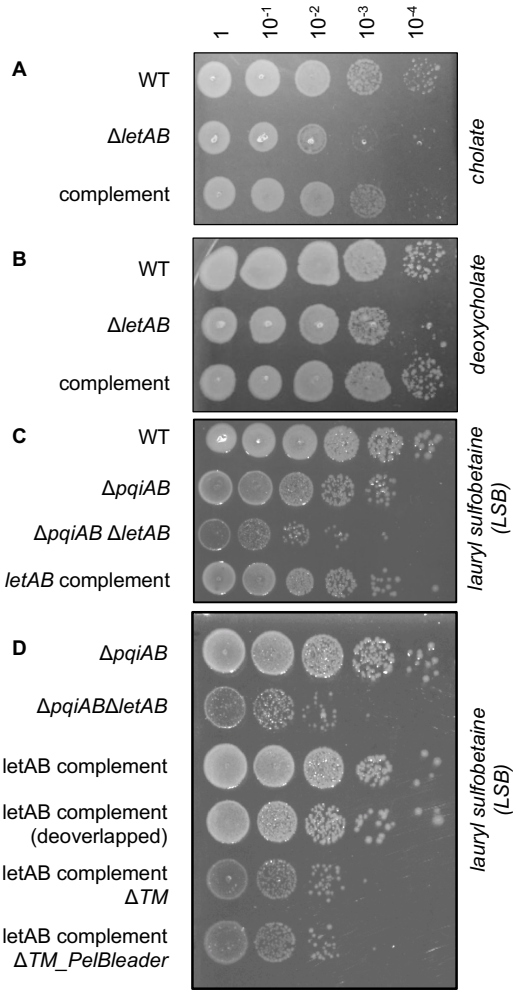
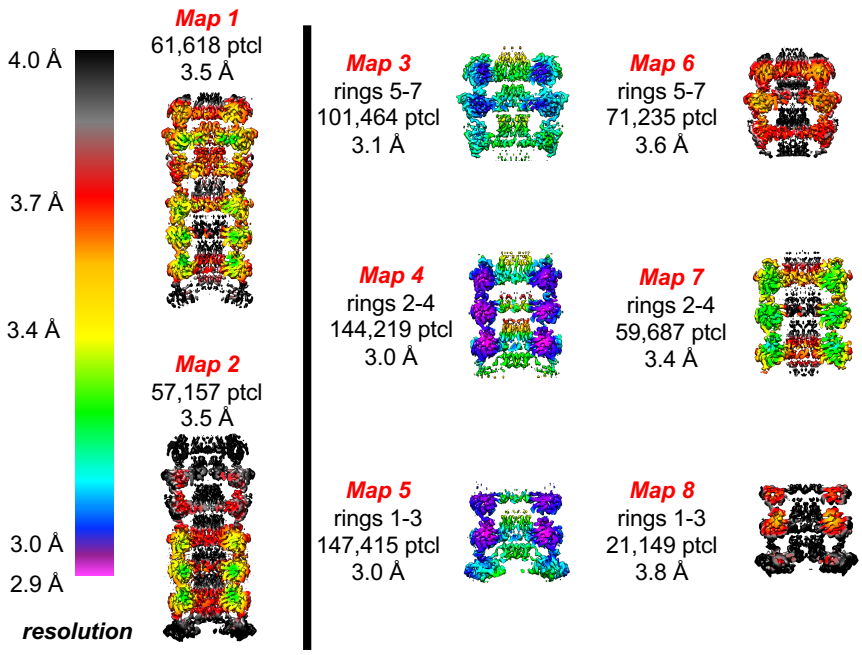
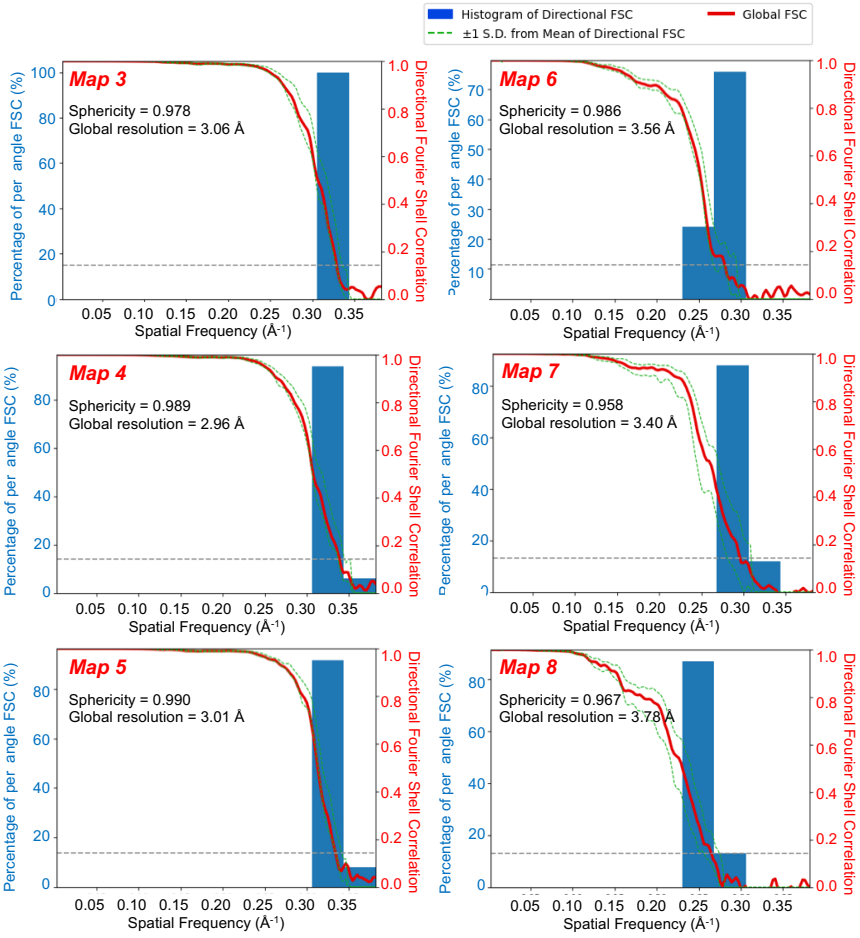
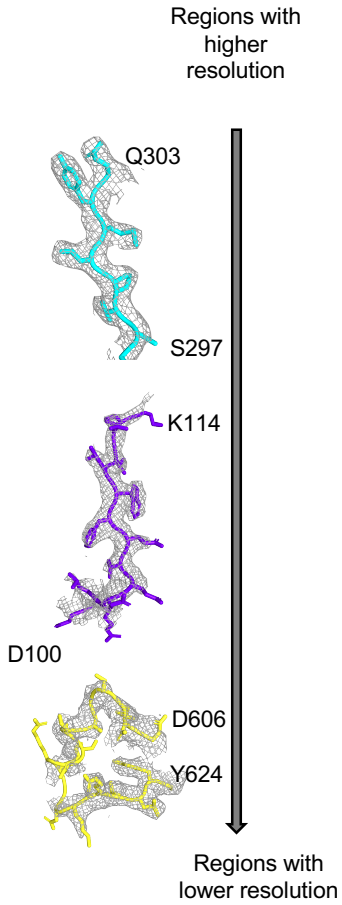
Figure S1


1
10-1
10-2
10-3
10-4
A
WT
ΔletAB
complement
cholate
B
WT
ΔletAB
complement
deoxycholate
C
WT
ΔpqiAB
ΔpqiAB ΔletAB
letAB complement
lauryl sulfobetaine (LSB)
D
ΔpqiAB
ΔpqiABΔletAB
letAB complement
letAB complement (deoverlapped)
letAB complement ΔTM
letAB complement ΔTM_PelBleader
lauryl sulfobetaine (LSB)


E
4.0 Å
3.7 Å
3.4 Å
3.0 Å
2.9 Å
resolution
Map 1
61,618 ptcl
3.5 Å
Map 2
57,157 ptcl
3.5 Å
Map 3
rings 5-7
101,464 ptcl
3.1 Å
Map 4
rings 2-4
144,219 ptcl
3.0 Å
Map 5
rings 1-3
147,415 ptcl
3.0 Å
Map 6
rings 5-7
71,235 ptcl
3.6 Å
Map 7
rings 2-4
59,687 ptcl
3.4 Å
Map 8
rings 1-3
21,149 ptcl
3.8 Å


F
Histogram of Directional FSC
Global FSC
±1 S.D. from Mean of Directional FSC
Map 3
Sphericity = 0.978
Global resolution = 3.06 Å
Map 6
Sphericity = 0.986
Global resolution = 3.56 Å
Map 4
Sphericity = 0.989
Global resolution = 2.96 Å
Map 7
Sphericity = 0.958
Global resolution = 3.40 Å
Map 5
Sphericity = 0.990
Global resolution = 3.01 Å
Map 8
Sphericity = 0.967
Global resolution = 3.78 Å
Percentage of per angle FSC (%)
Directional Fourier Shell Correlation
Spatial Frequency (Å-1)


G
Regions with higher resolution
Q303
S297
K114
D100
D606
Y624
Regions with lower resolution