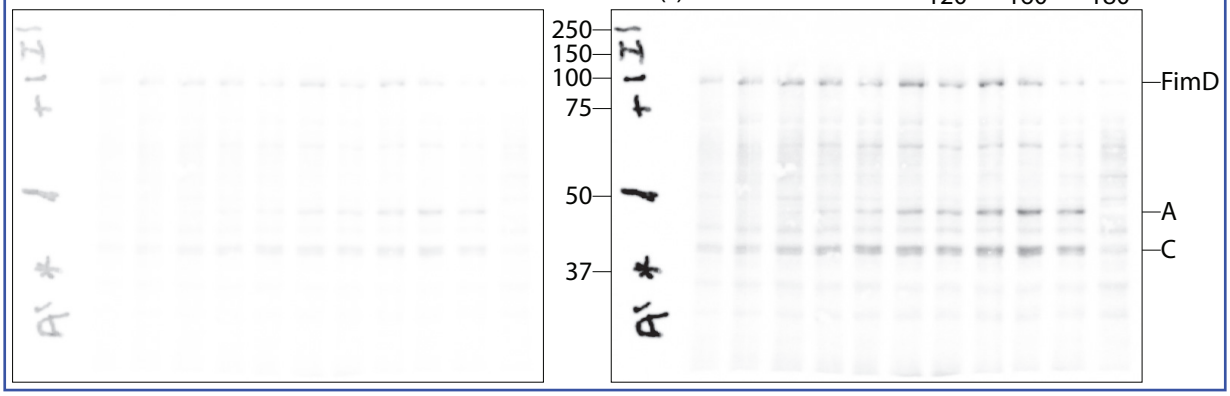
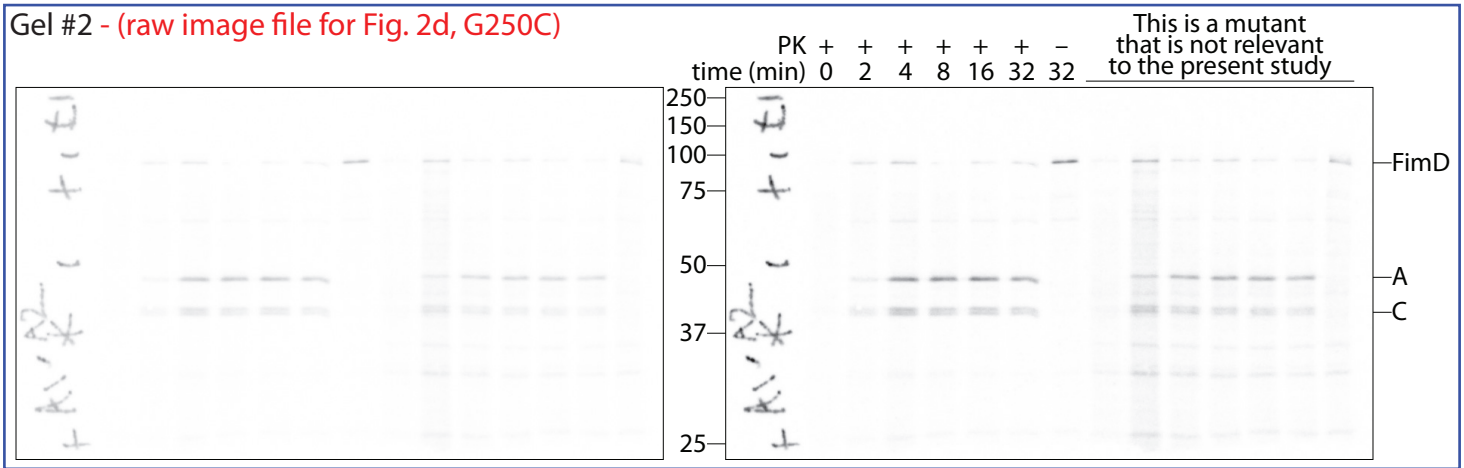
G250C non-reducing
4/4 biological replicates

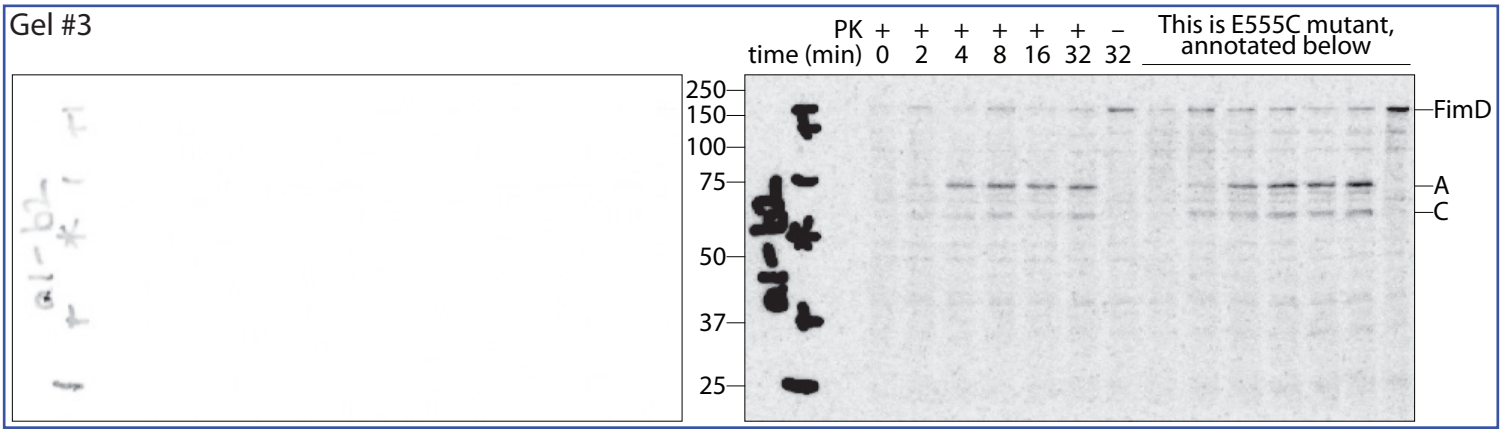
Gel #1



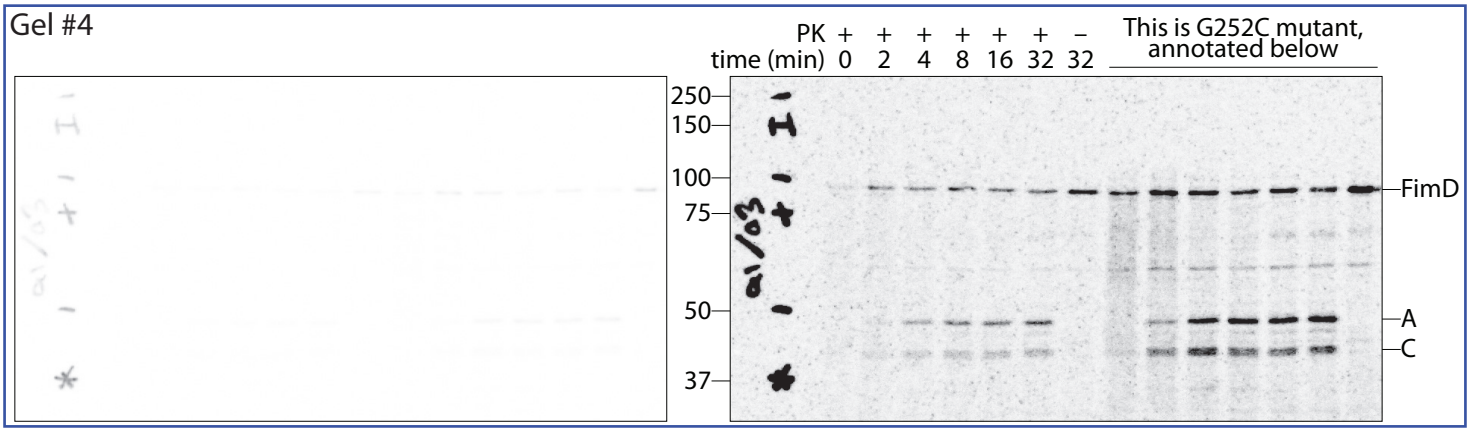
Gel #2 - (raw image file for Fig. 2d, G250C)



Gel #3

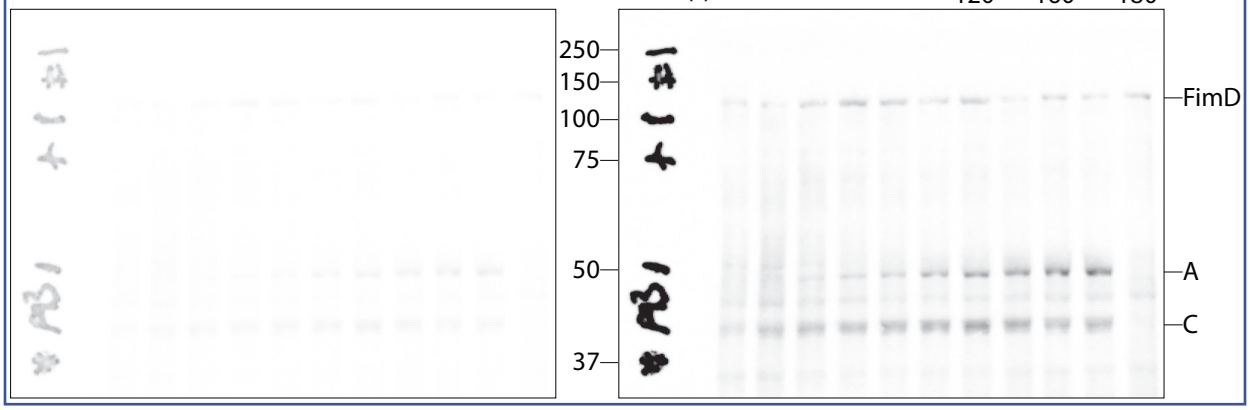


Gel #4

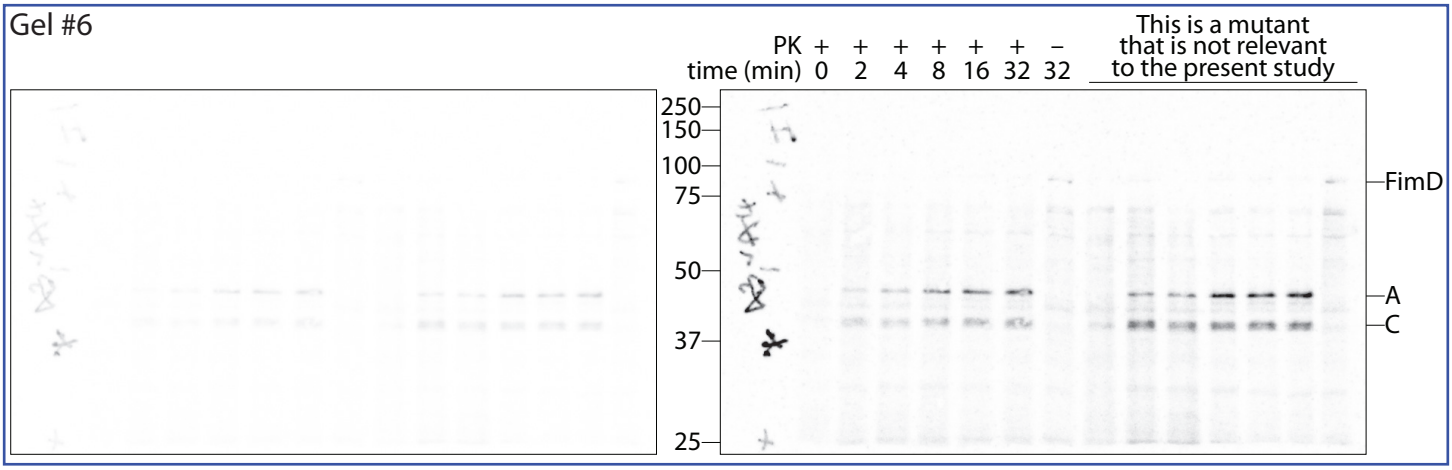


G252C non-reducing
4/4 biological replicates

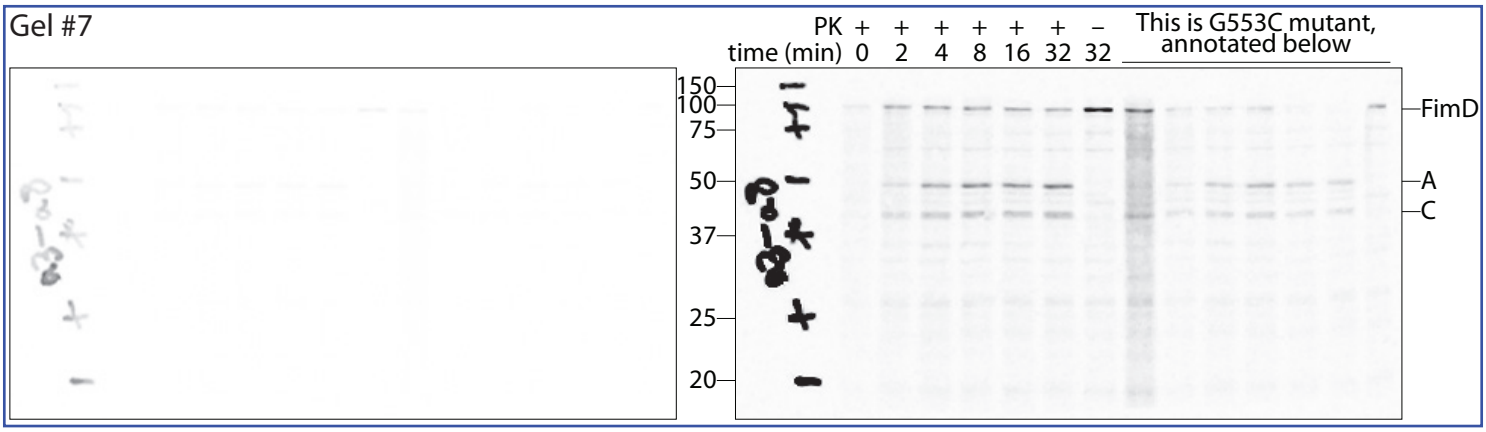
Gel #5



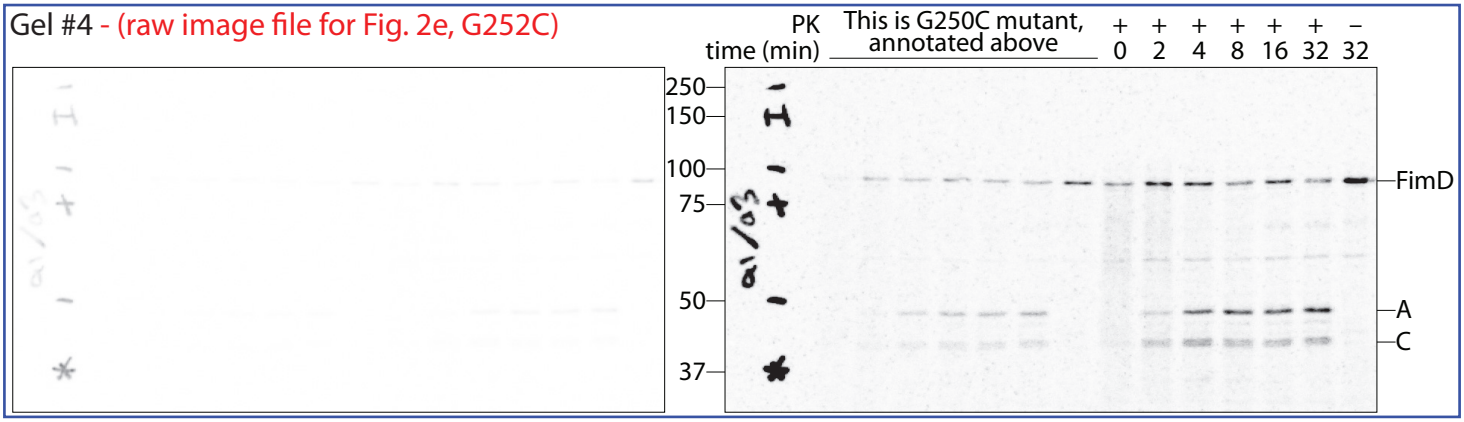
Gel #6



Gel #7

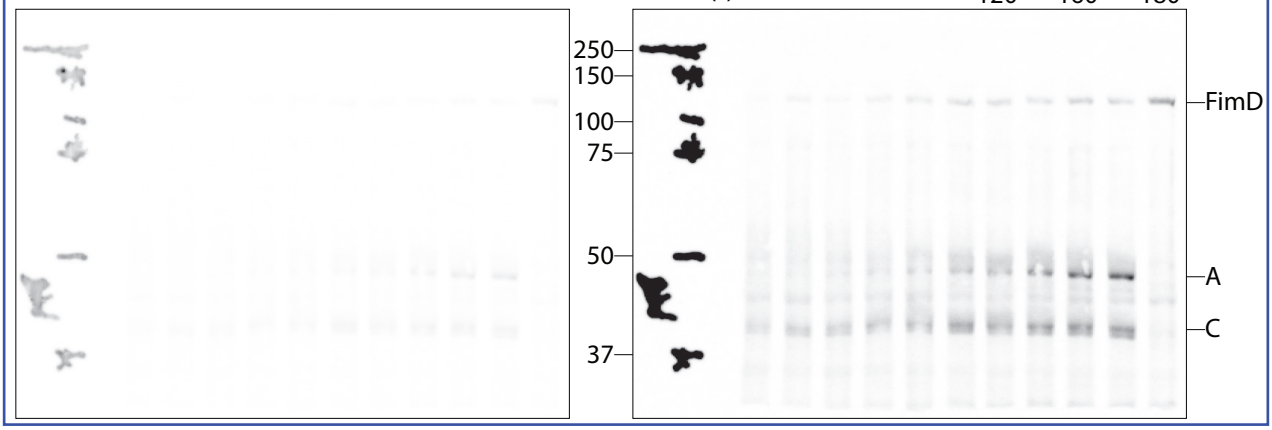


Gel #4 - (raw image file for Fig. 2e, G252C)

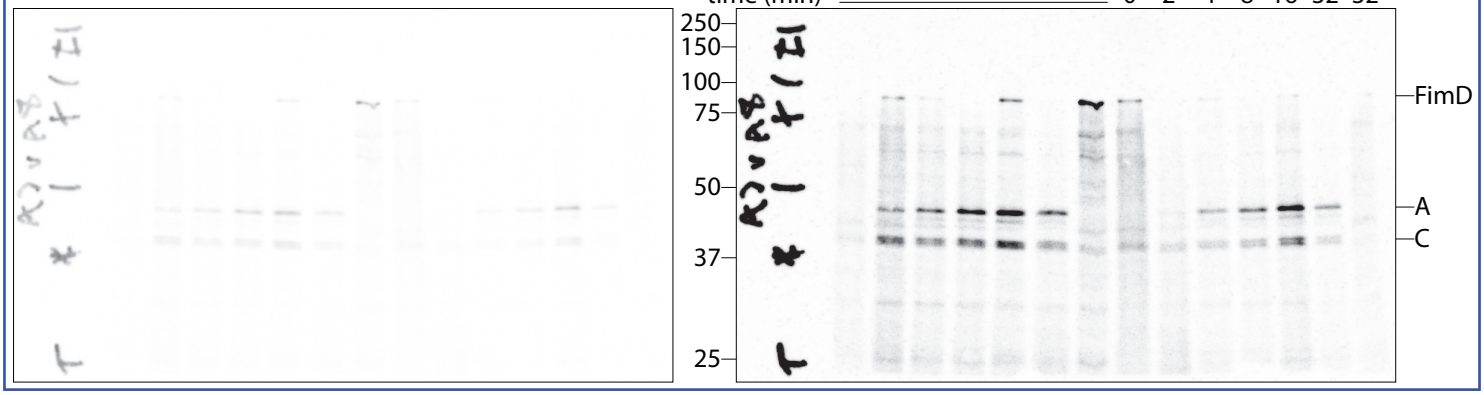


G553C non-reducing
4/4 biological replicates

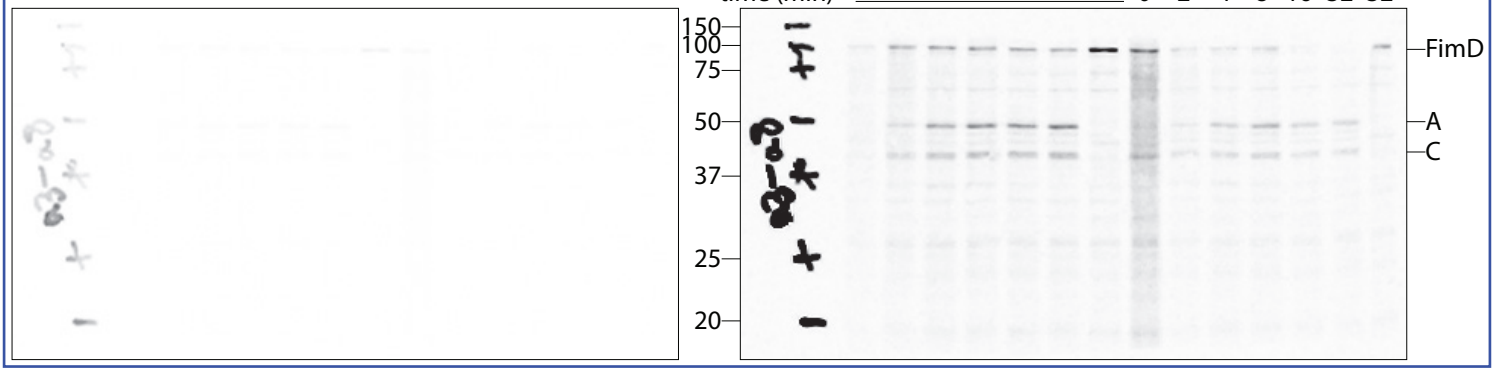
Gel #8



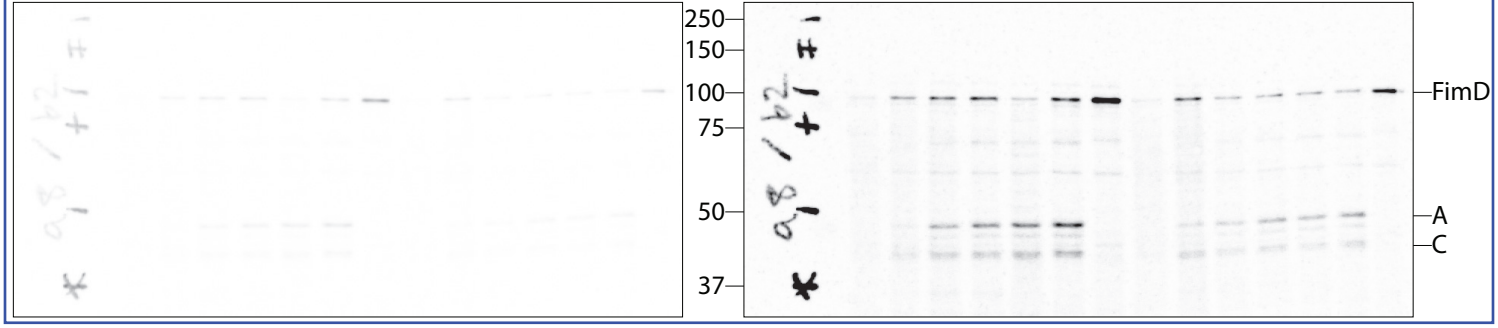
Gel #9



Gel #7

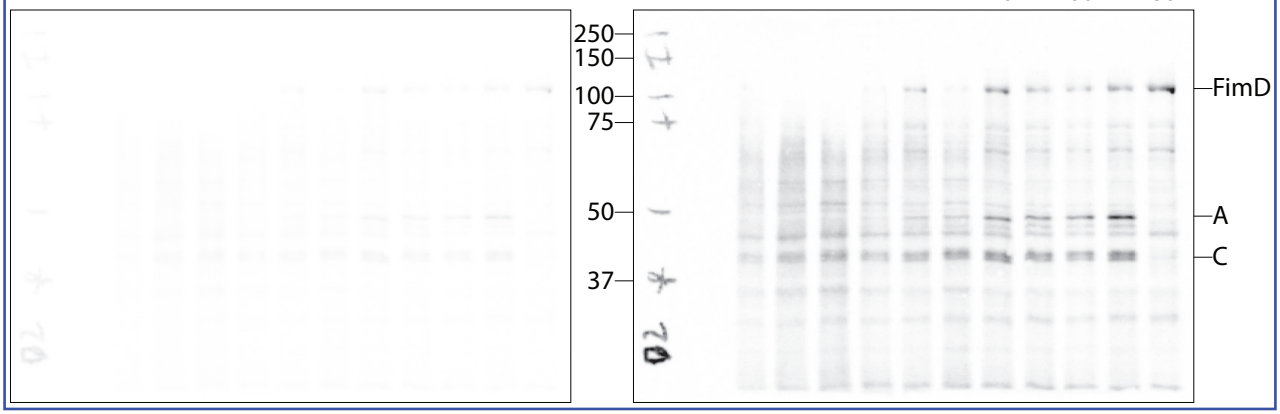


Gel #10 - (raw image file for Fig. 2e, G553C)

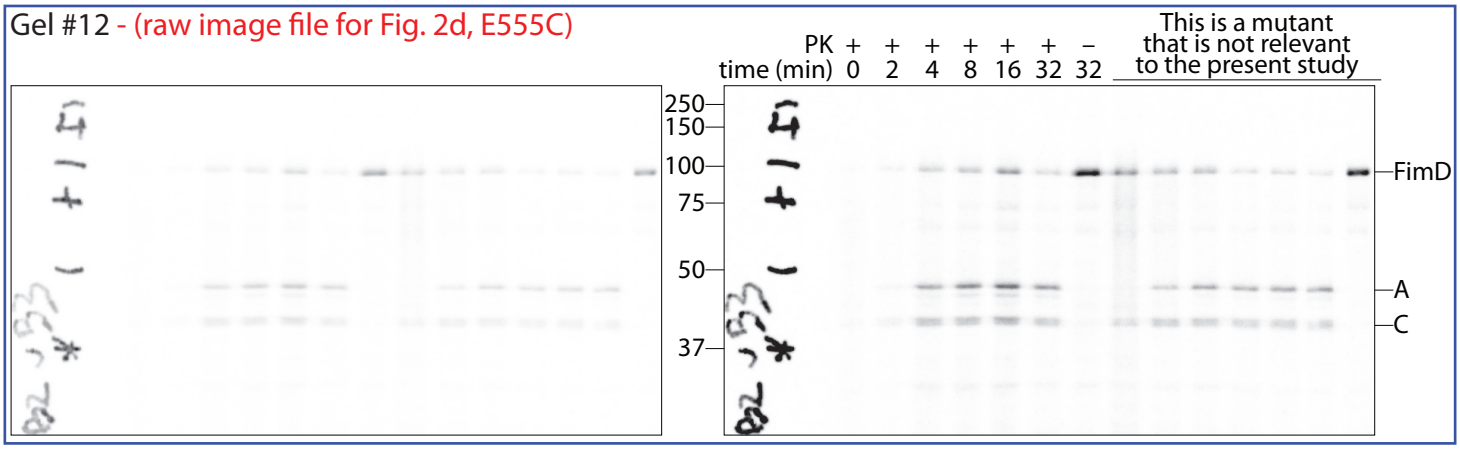


E555C non-reducing
4/4 biological replicates

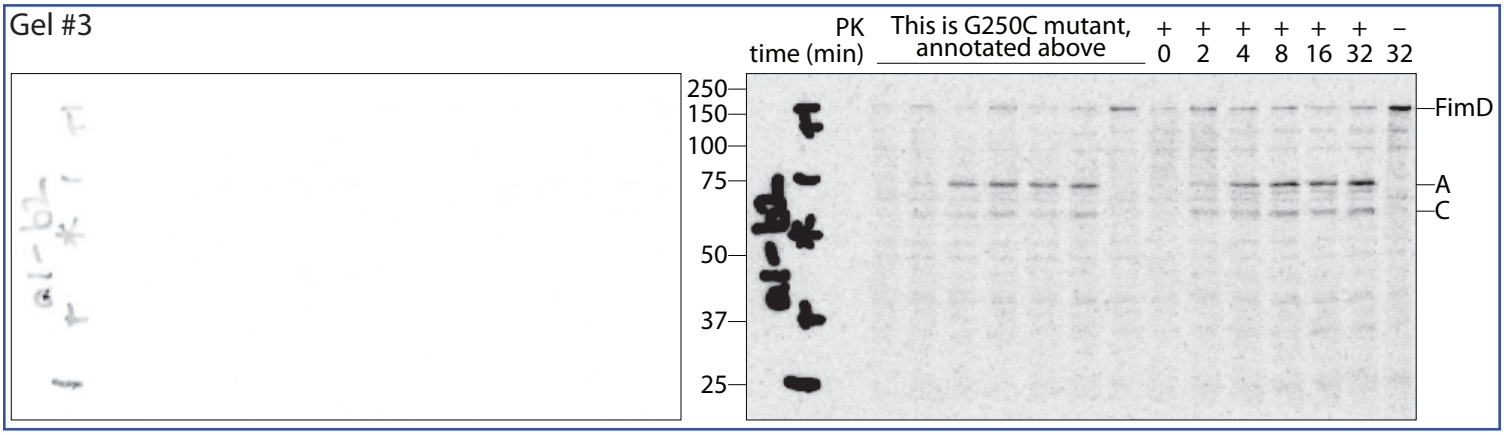
Gel #11



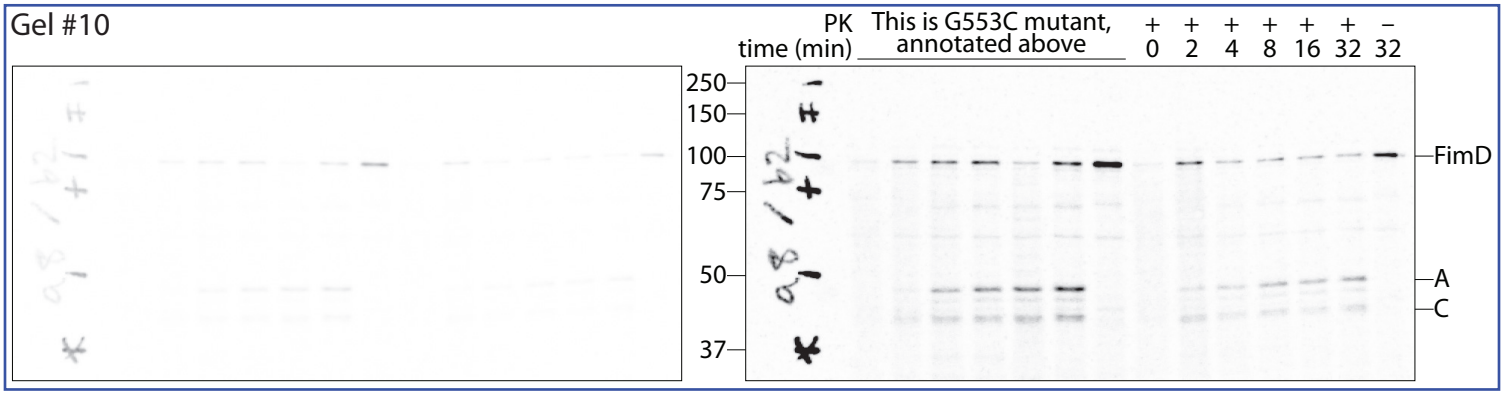
Gel #12 - (raw image file for Fig. 2d, E555C)



Gel #3

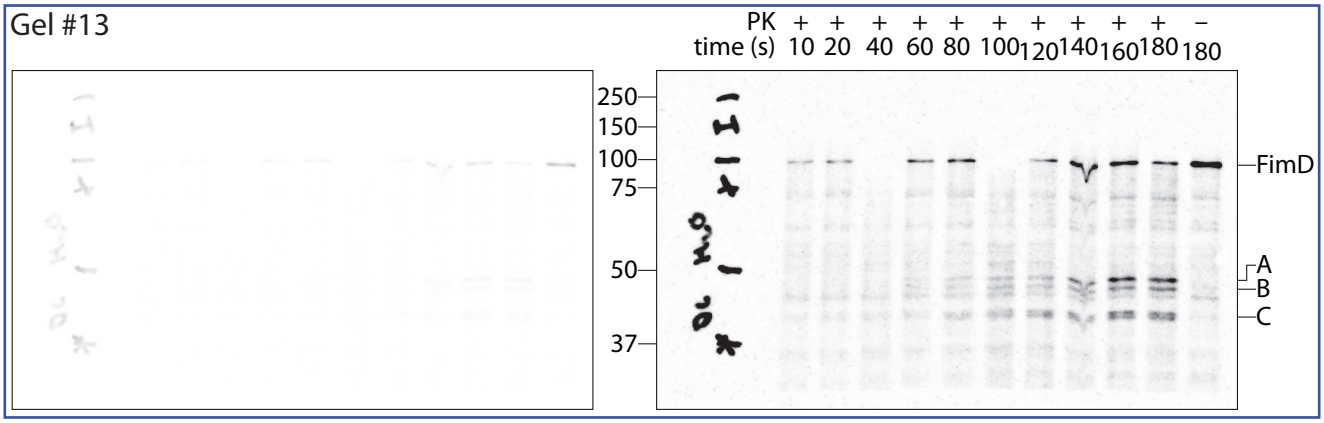


Gel #10

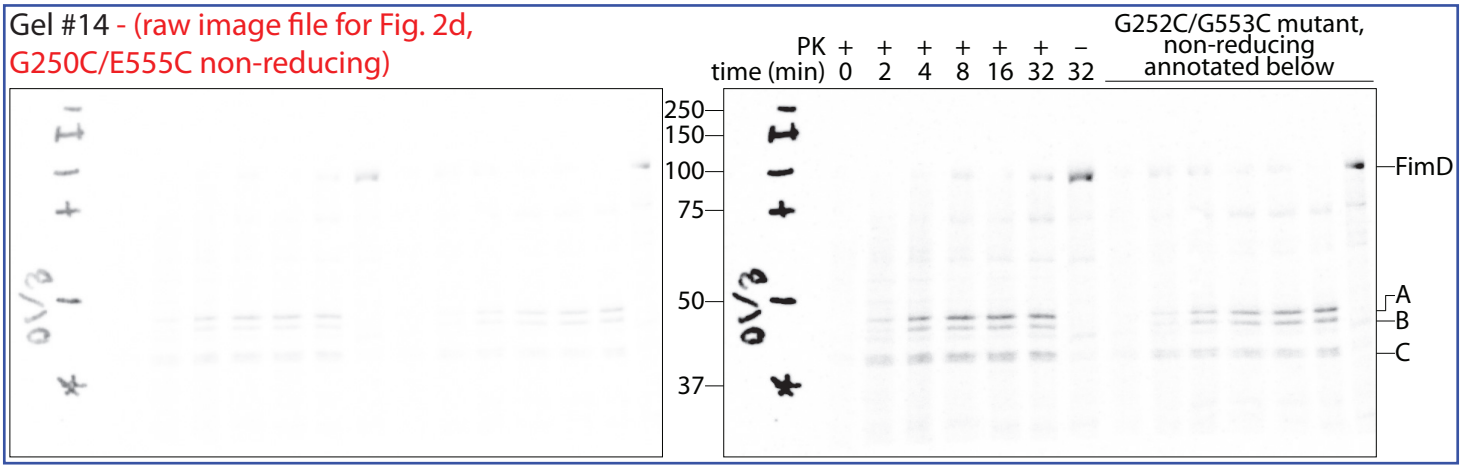


G250C/E555C non-reducing
3/5 biological replicates (total: 3/5 biological replicates)

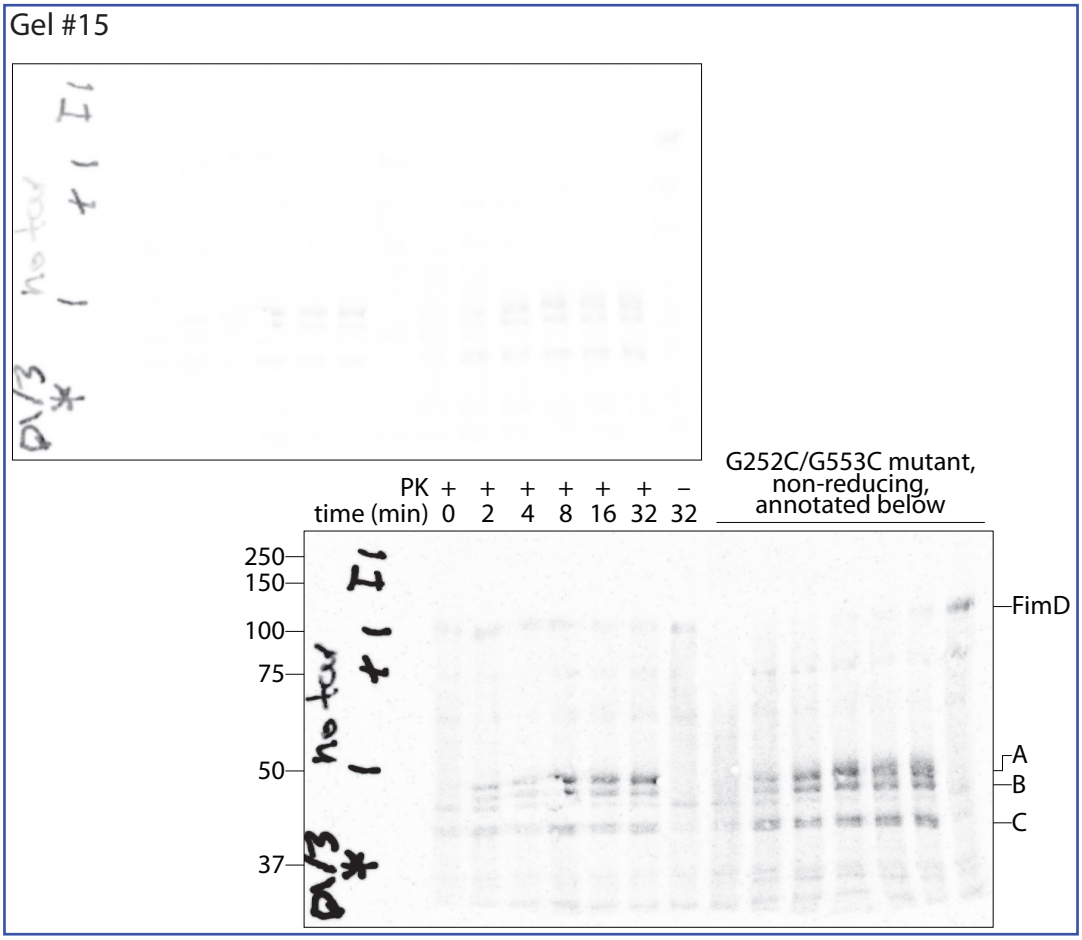
Gel #13



Gel #14 - (raw image file for Fig. 2d, G250C/E555C non-reducing)

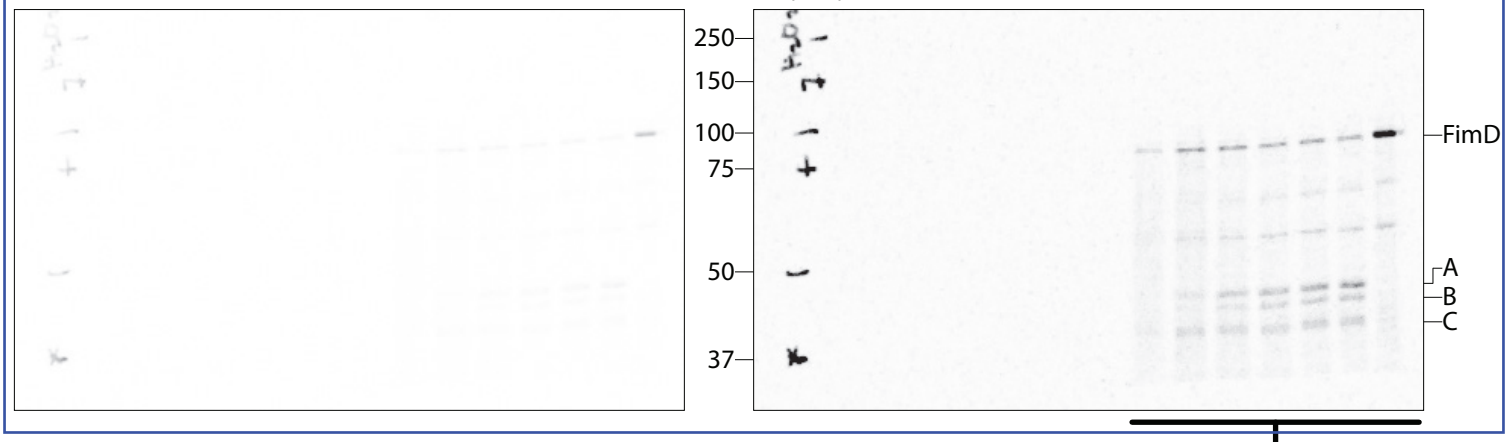


Gel #15

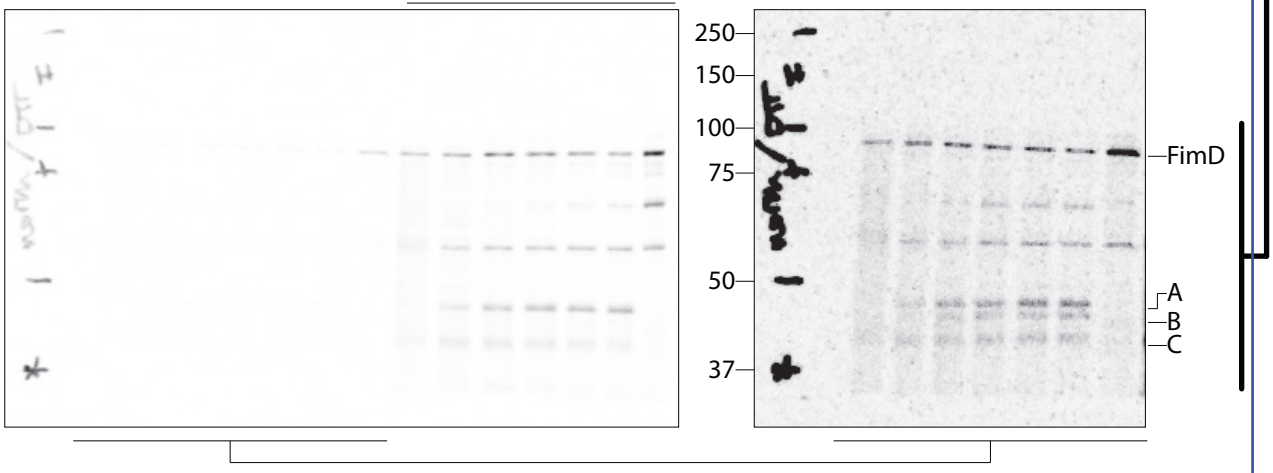


G250C/E555C non-reducing
2/5 biological replicates (total: 5/5 biological replicates)

Gel #16



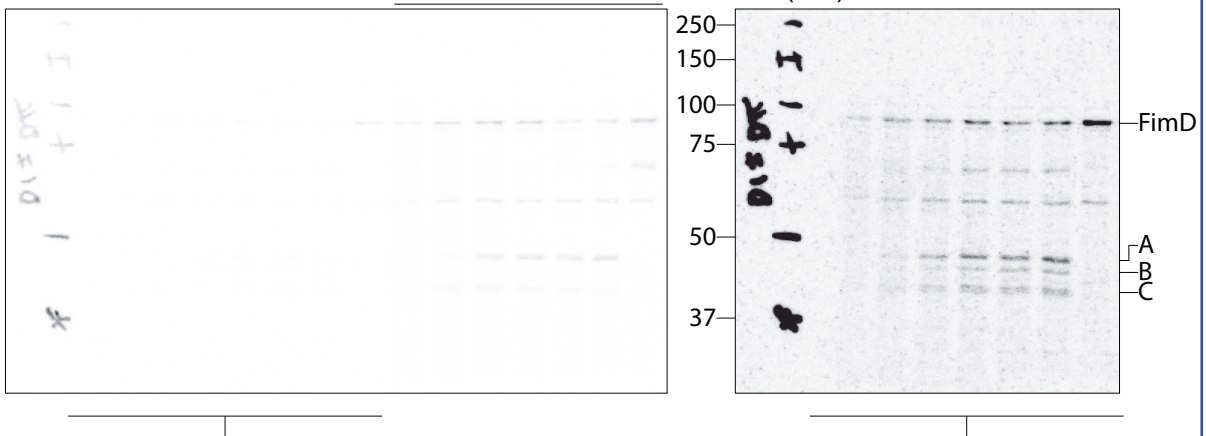
Gel #17



Technical replicates only

Cropped out +DTT condition for clarity

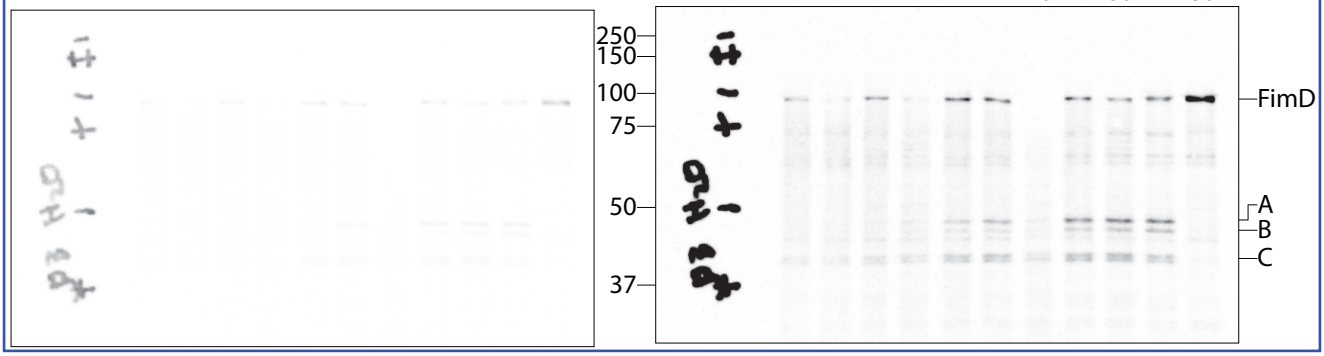
Gel #18



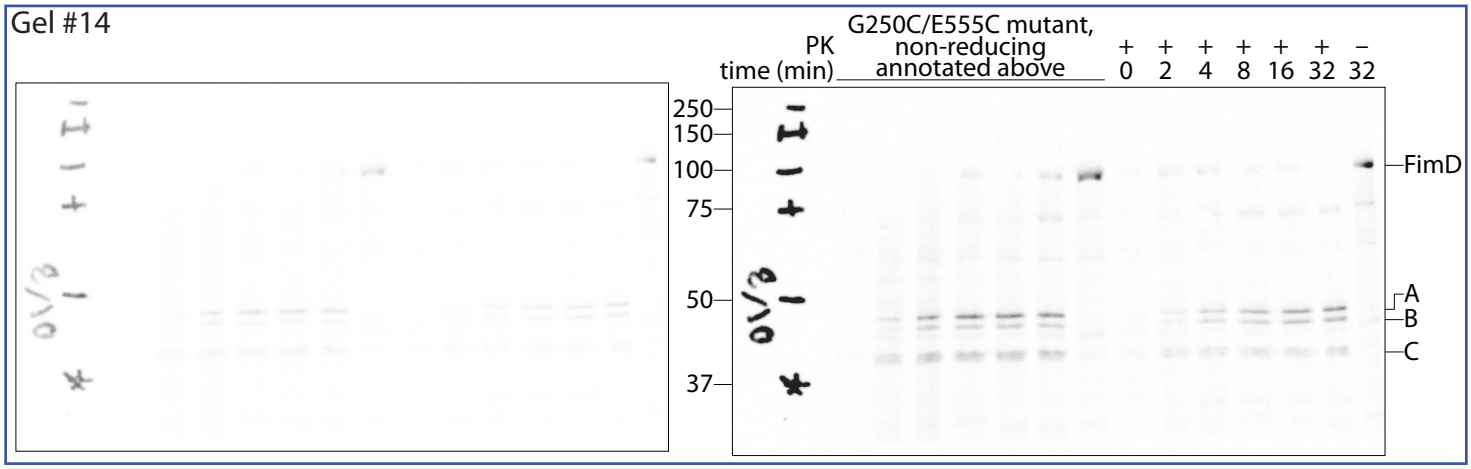
Cropped out +DTT condition for clarity

G252C/G553C non-reducing
3/4 biological replicates (total: 3/4 biological replicates)

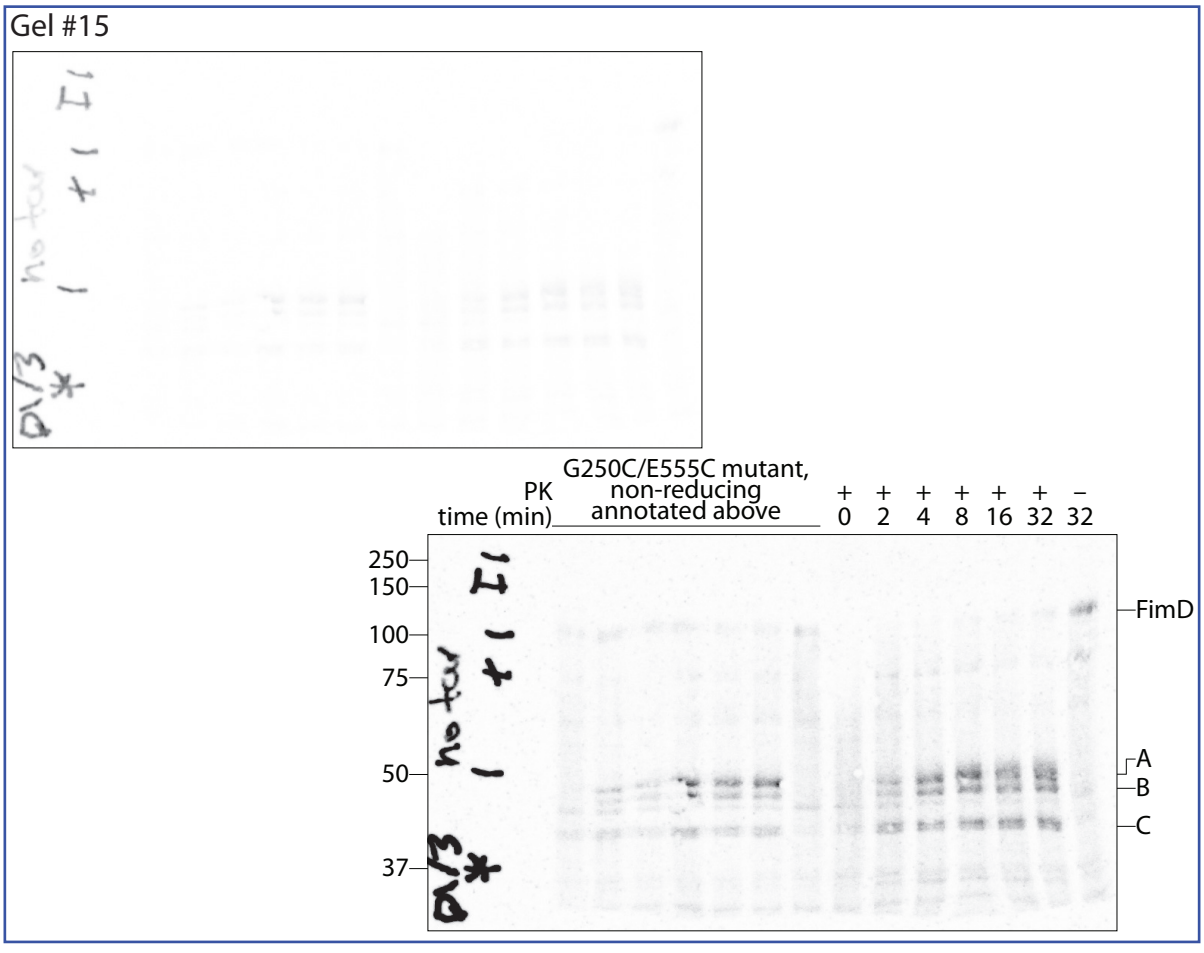
Gel #19



Gel #14

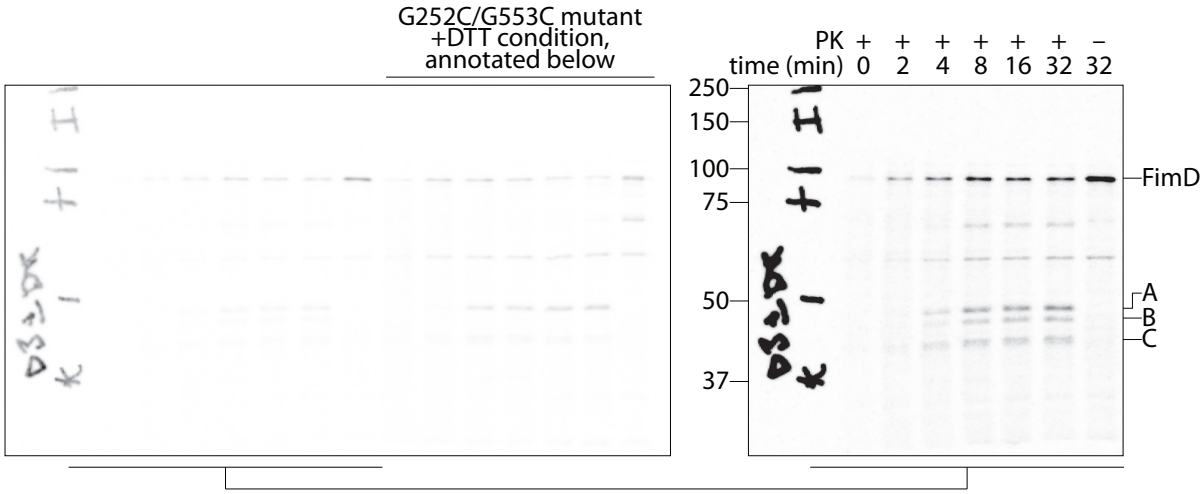


Gel #15



G252C/G553C non-reducing
1/4 biological replicates (total: 4/4 biological replicates)

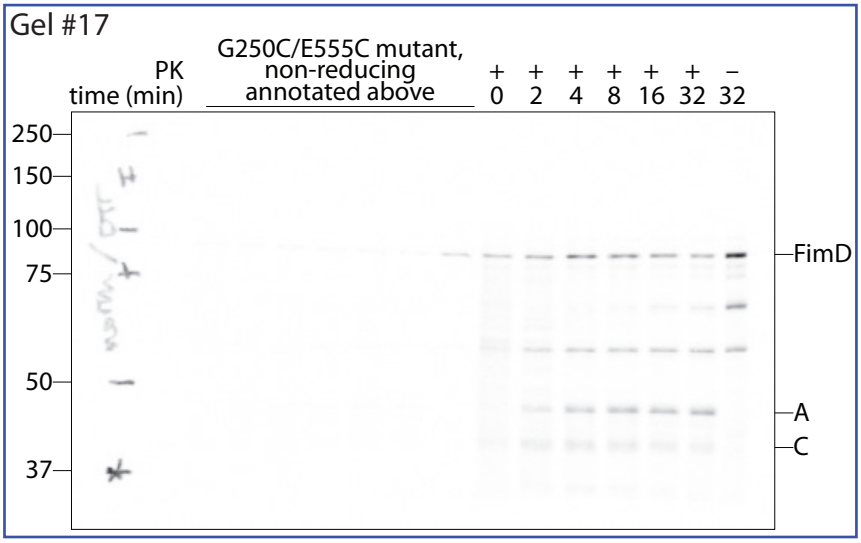
Gel #20 - (raw image file for Fig. 2e, G252C/G553C non-reducing)



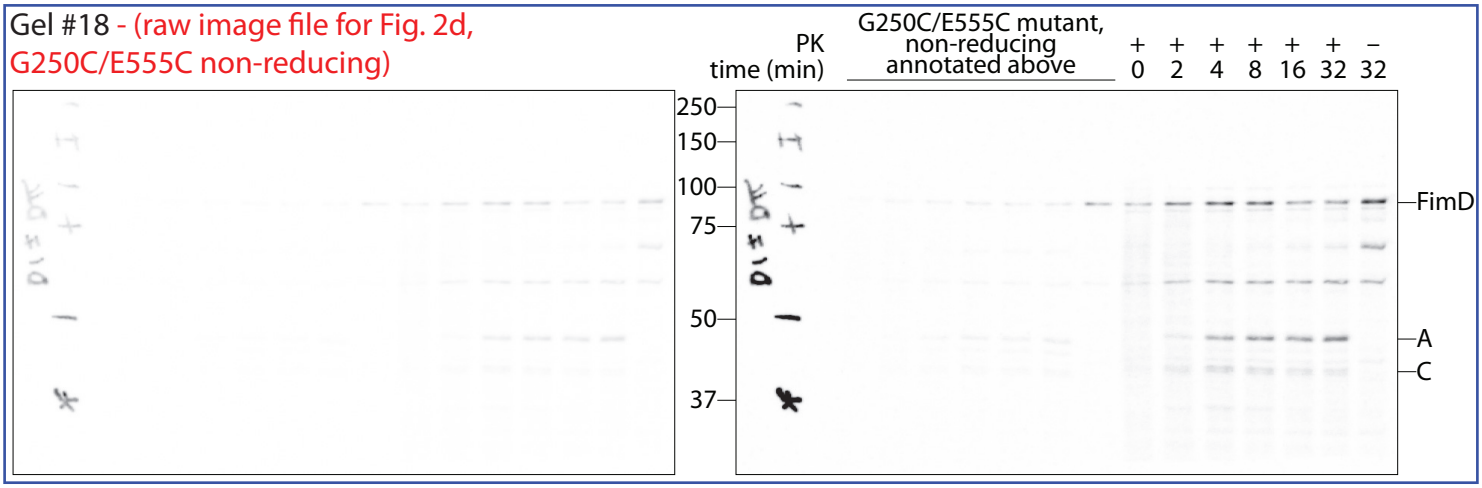
Cropped out +DTT condition for clarity

G250C/E555C with 5 mM DTT
4/4 biological replicates

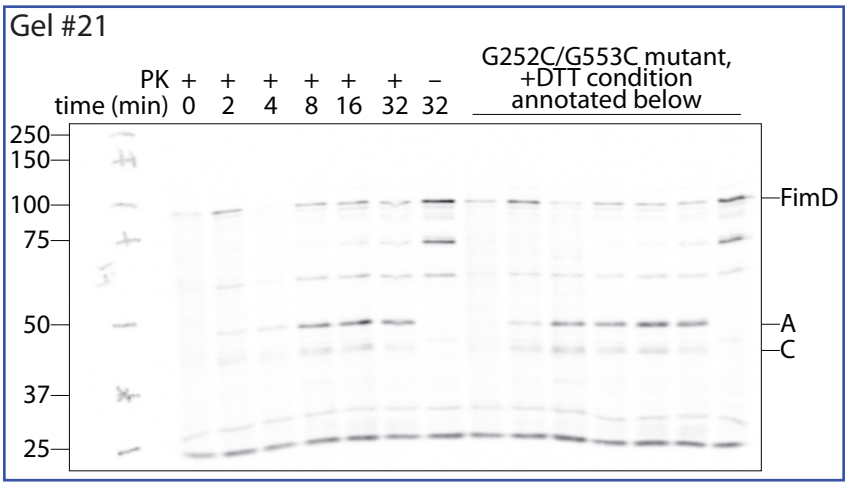
Gel #17



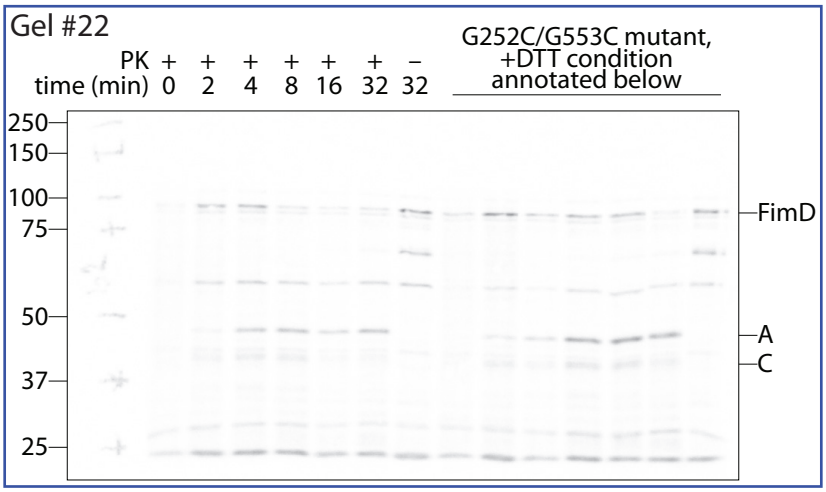
Gel #18 - (raw image file for Fig. 2d, G250C/E555C non-reducing)



Gel #21

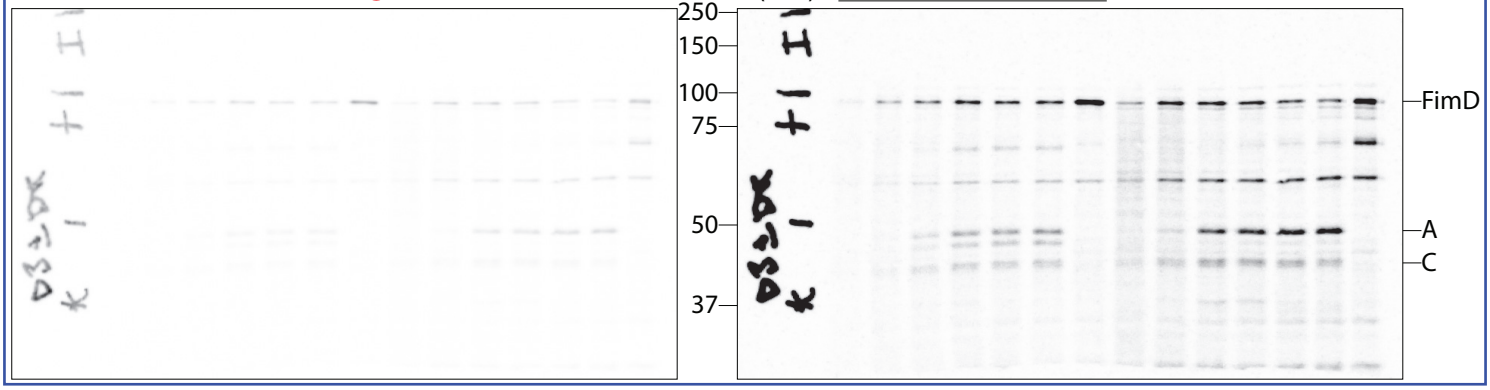


Gel #22

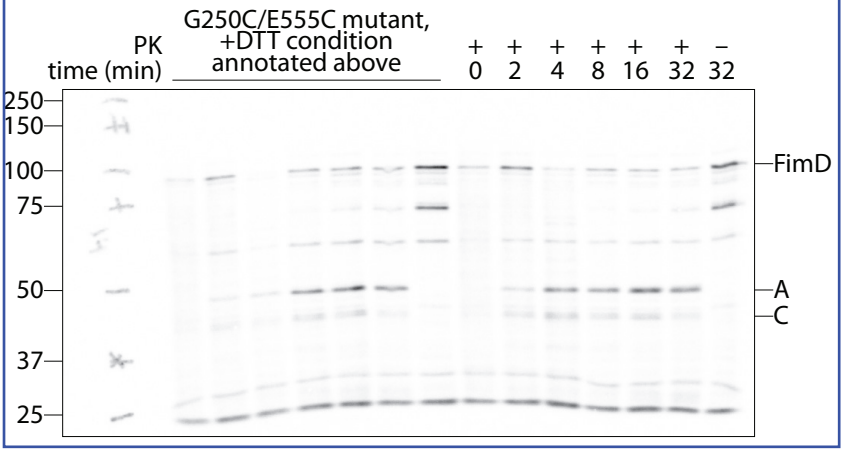


G252C/G553C with 5 mM DTT
3/3 biological replicates

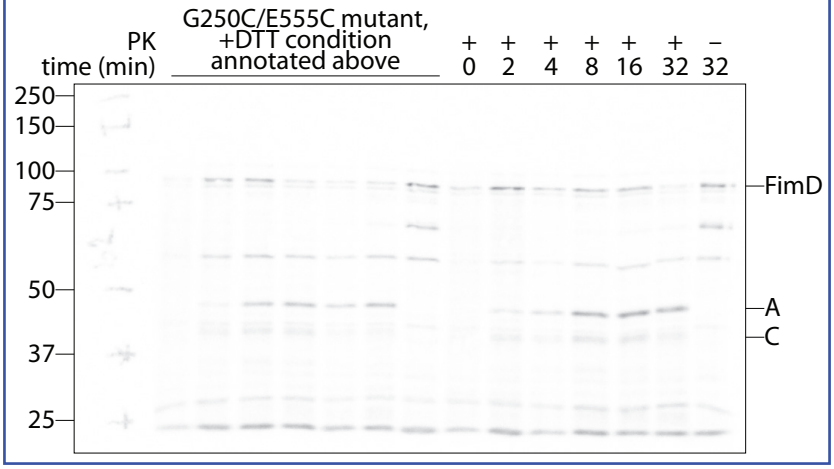
Gel #20 - (raw image file for Fig. 2e, G252C/G553C non-reducing)



Gel #21

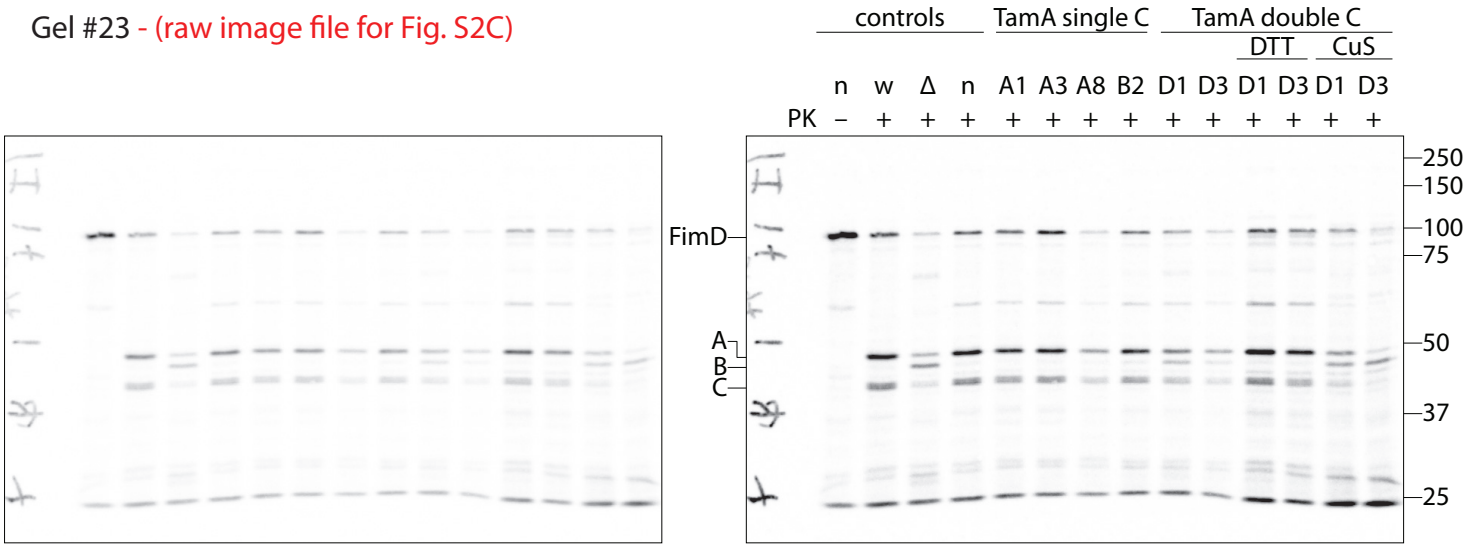


Gel #22

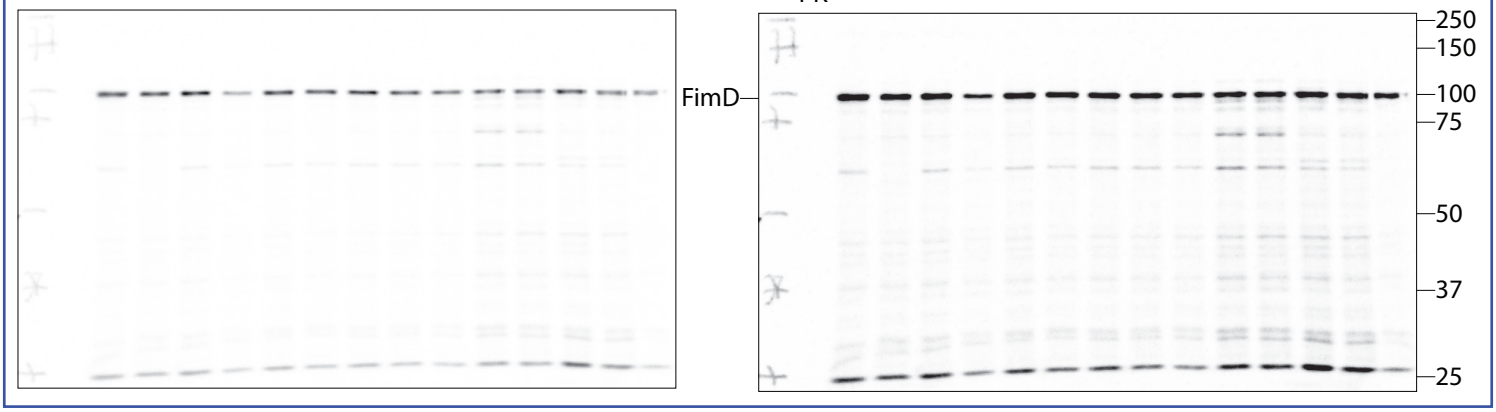


Single timepoints (+PK samples and -PK samples)
1/3 biological replicates (total: 1/3 biological replicates)

Gel #23 - (raw image file for Fig. S2C)



Gel #24 - (raw image file for Fig. S2C)



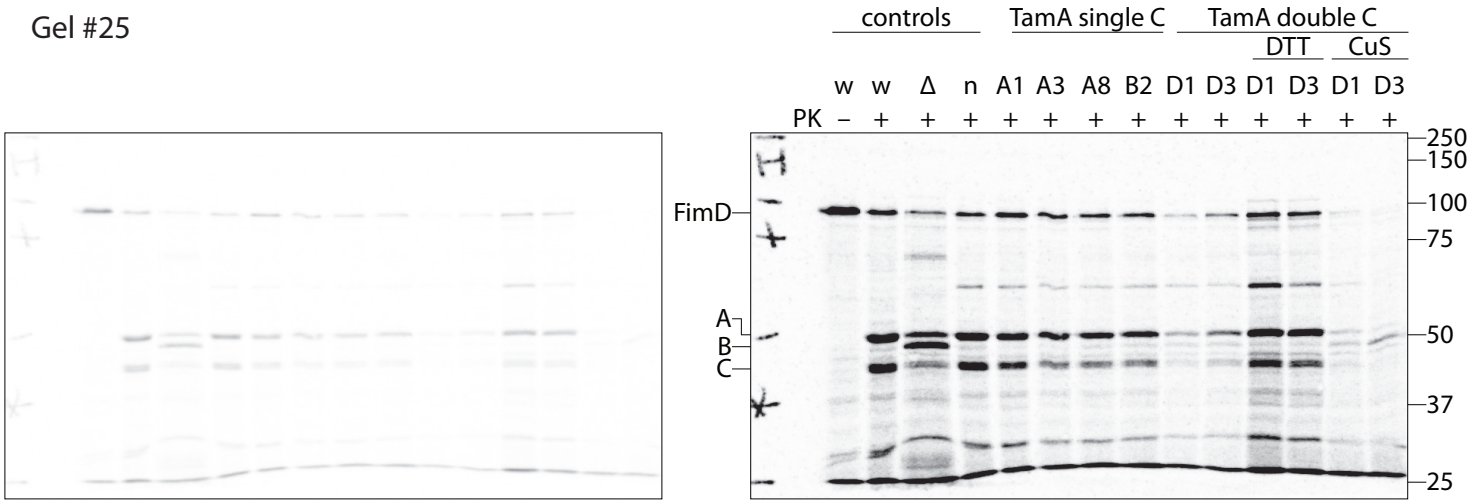
All strains contain pKS02 (fimD expression vector)

w = wildtype with pACYCDuet-1 (base expression vector)
Δ = Δ*tamA* with pACYCDuet-1 (base expression vector)
n = Δ*tamA* with pCJS69 (*tamA* expression vector)
A1 = Δ*tamA* with pCJS69 (*tamA*-G250C expression vector)
A3 = Δ*tamA* with pCJS69 (*tamA*-G252C expression vector)
A8 = Δ*tamA* with pCJS69 (*tamA*-G553C expression vector)
B2 = Δ*tamA* with pCJS69 (*tamA*-E555C expression vector)
D1 = Δ*tamA* with pCJS69 (*tamA*-G250C-E555C expression vector)
D3 = Δ*tamA* with pCJS69 (*tamA*-G252C-G553C expression vector)

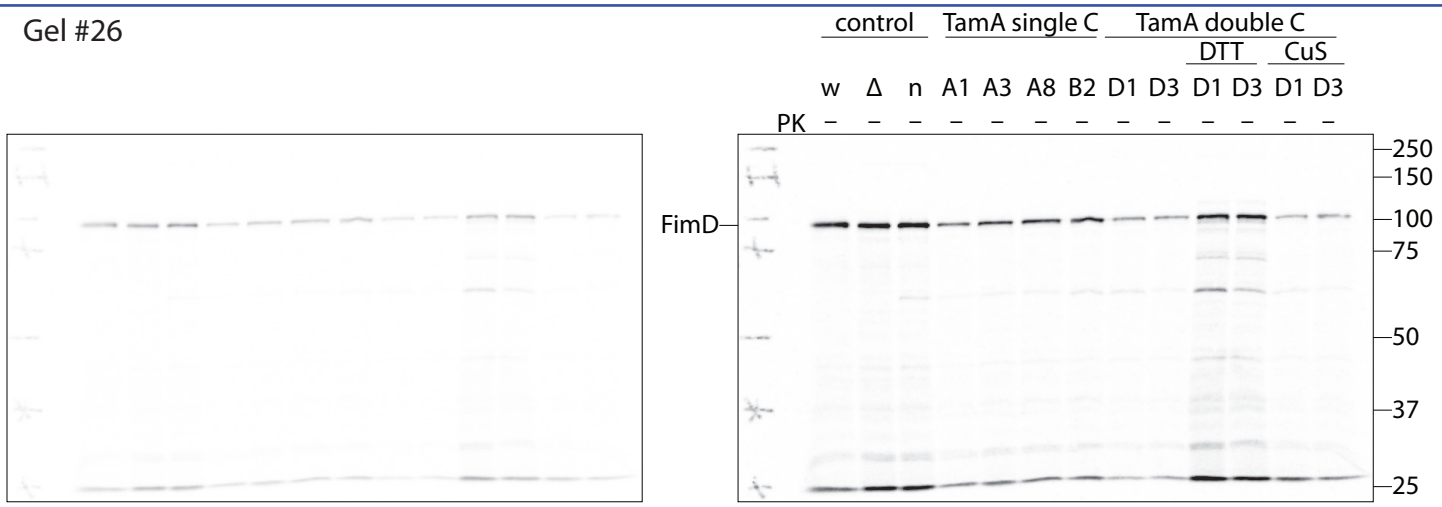
Unless otherwise indicated (by "DTT" or "CuS"), samples were subjected to normal pulse chase
DTT = samples were supplemented with 5 mM DTT
CuS = samples were supplemented with 100 µM $CuSO_4$

Single timepoints (+PK samples and -PK samples)
1/3 biological replicates (total: 2/3 biological replicates)

Gel #25



Gel #26



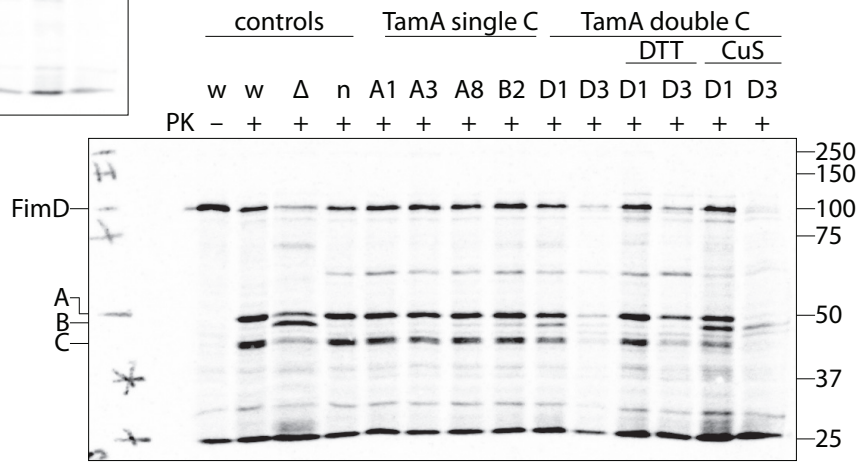
All strains contain pKS02 (fimD expression vector)

w = wildtype with pACYCDuet-1 (base expression vector)
Δ = Δ*tamA* with pACYCDuet-1 (base expression vector)
n = Δ*tamA* with pCJS69 (*tamA* expression vector)
A1 = Δ*tamA* with pCJS69 (*tamA*-G250C expression vector)
A3 = Δ*tamA* with pCJS69 (*tamA*-G252C expression vector)
A8 = Δ*tamA* with pCJS69 (*tamA*-G553C expression vector)
B2 = Δ*tamA* with pCJS69 (*tamA*-E555C expression vector)
D1 = Δ*tamA* with pCJS69 (*tamA*-G250C-E555C expression vector)
D3 = Δ*tamA* with pCJS69 (*tamA*-G252C-G553C expression vector)

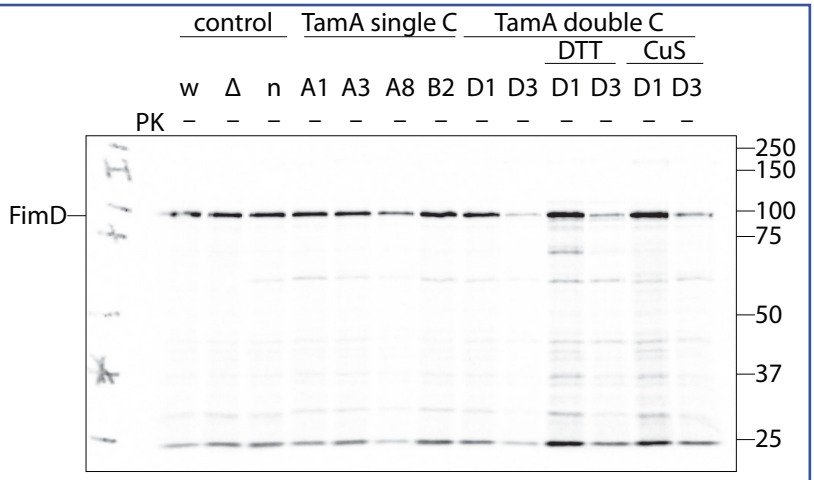
Unless otherwise indicated (by "DTT" or "CuS"), samples were subjected to normal pulse chase
DTT = samples were supplemented with 5 mM DTT
CuS = samples were supplemented with 100 µM $CuSO_4$

Single timepoints (+PK samples and -PK samples)
1/3 biological replicates (total: 3/3 biological replicates)

Gel #27



Gel #28



All strains contain pKS02 (fimD expression vector)

w = wildtype with pACYCDuet-1 (base expression vector)
Δ = Δ*tamA* with pACYCDuet-1 (base expression vector)
n = Δ*tamA* with pCJS69 (*tamA* expression vector)
A1 = Δ*tamA* with pCJS69 (*tamA*-G250C expression vector)
A3 = Δ*tamA* with pCJS69 (*tamA*-G252C expression vector)
A8 = Δ*tamA* with pCJS69 (*tamA*-G553C expression vector)
B2 = Δ*tamA* with pCJS69 (*tamA*-E555C expression vector)
D1 = Δ*tamA* with pCJS69 (*tamA*-G250C-E555C expression vector)
D3 = Δ*tamA* with pCJS69 (*tamA*-G252C-G553C expression vector)

Unless otherwise indicated (by "DTT" or "CuS"), samples were subjected to normal pulse chase
DTT = samples were supplemented with 5 mM DTT
CuS = samples were supplemented with 100 μM $CuSO_4$