Fig.1A

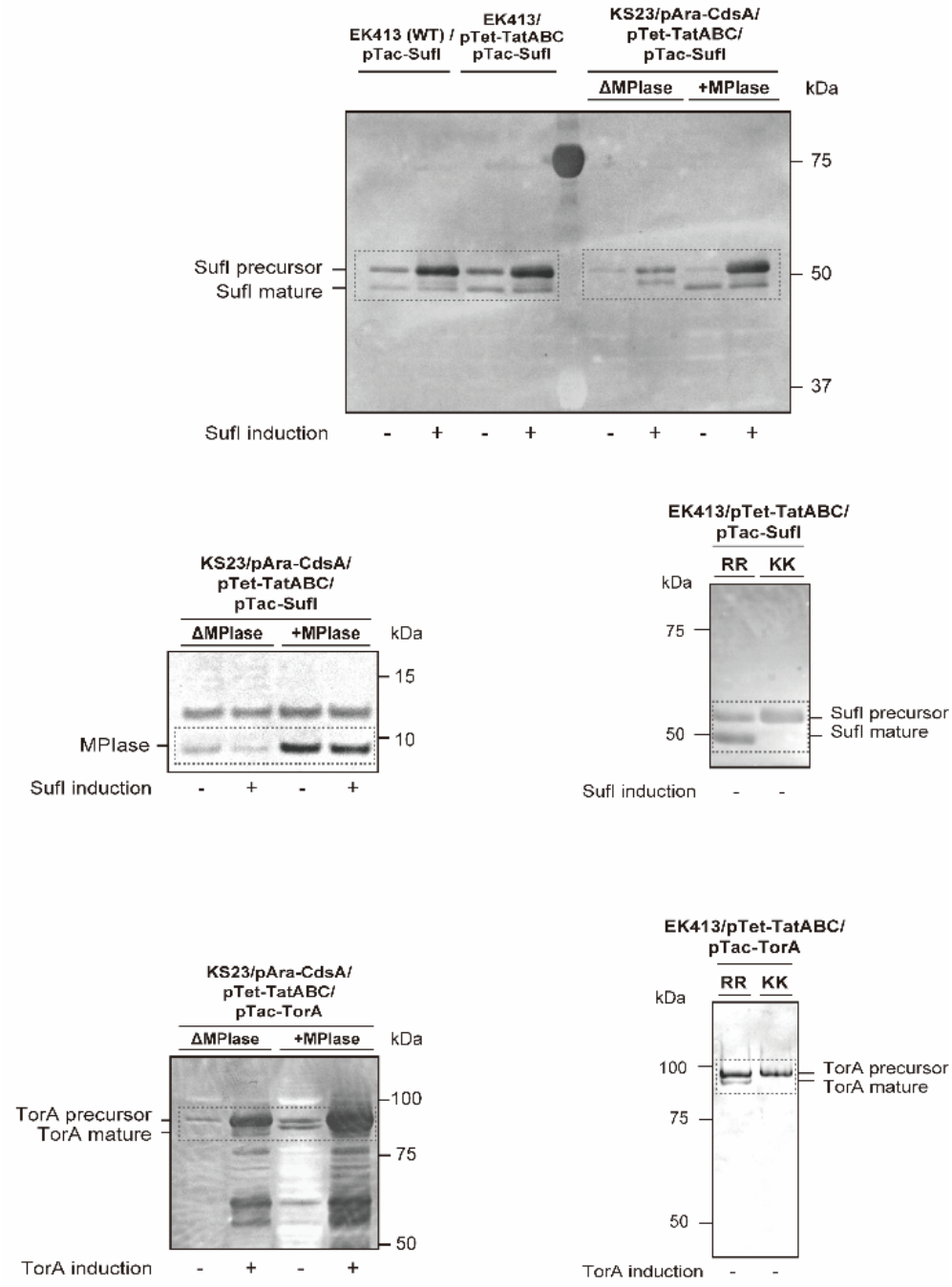

EK413 (WT) / pTac-SufI
EK413/ pTet-TatABC pTac-SufI
KS23/pAra-CdsA/ pTet-TatABC/ pTac-SufI
ΔMPIase
+MPIase
kDa
75
50
37
SufI precursor
SufI mature
SufI induction - + - + - + - +
KS23/pAra-CdsA/ pTet-TatABC/ pTac-SufI
ΔMPIase
+MPIase
kDa
15
10
MPIase
SufI induction - + - +
EK413/pTet-TatABC/ pTac-SufI
RR
KK
kDa
75
50
SufI precursor
SufI mature
SufI induction - -
KS23/pAra-CdsA/ pTet-TatABC/ pTac-TorA
ΔMPIase
+MPIase
kDa
100
75
50
TorA precursor
TorA mature
TorA induction - + - +
EK413/pTet-TatABC/ pTac-TorA
RR
KK
kDa
100
75
50
TorA precursor
TorA mature
TorA induction - -

Fig.1B

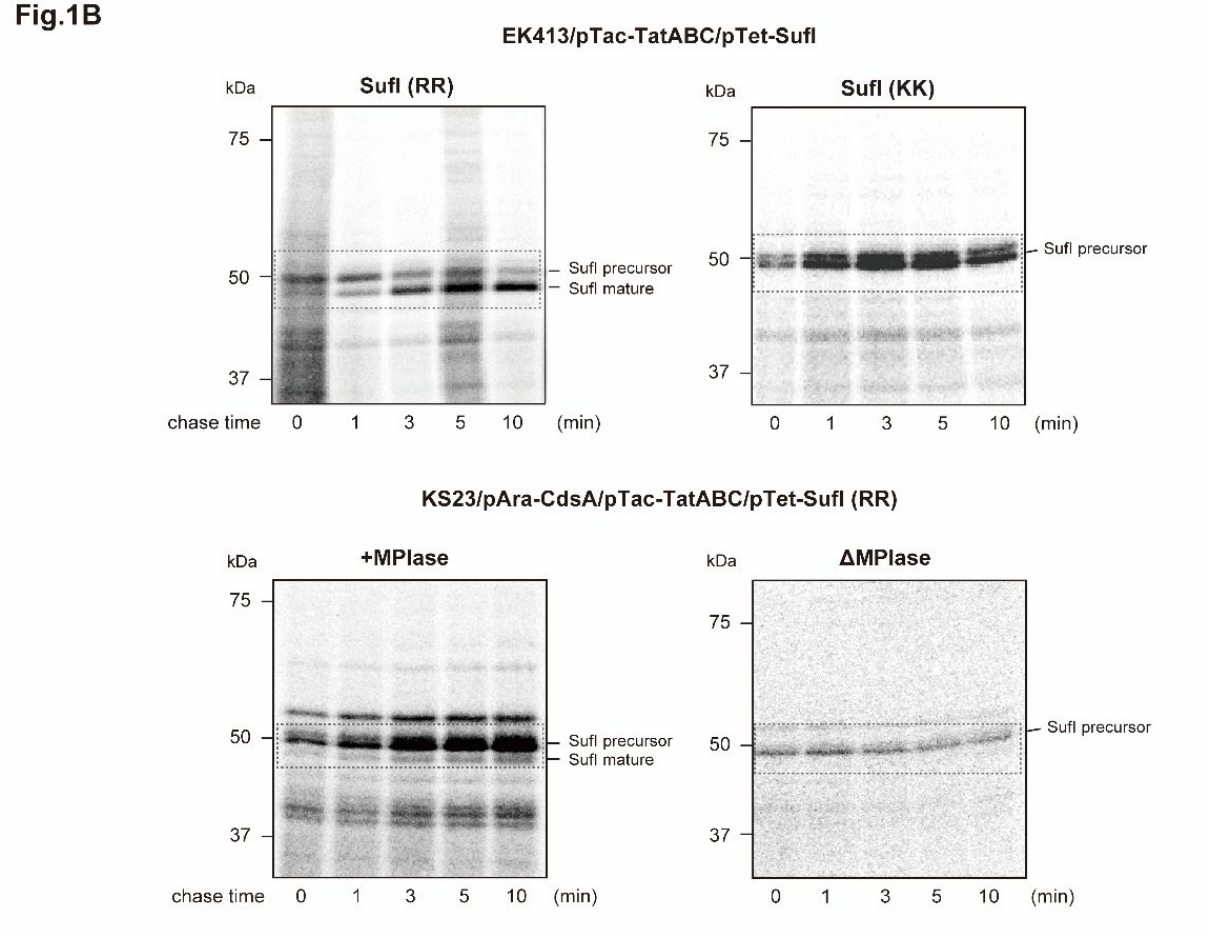
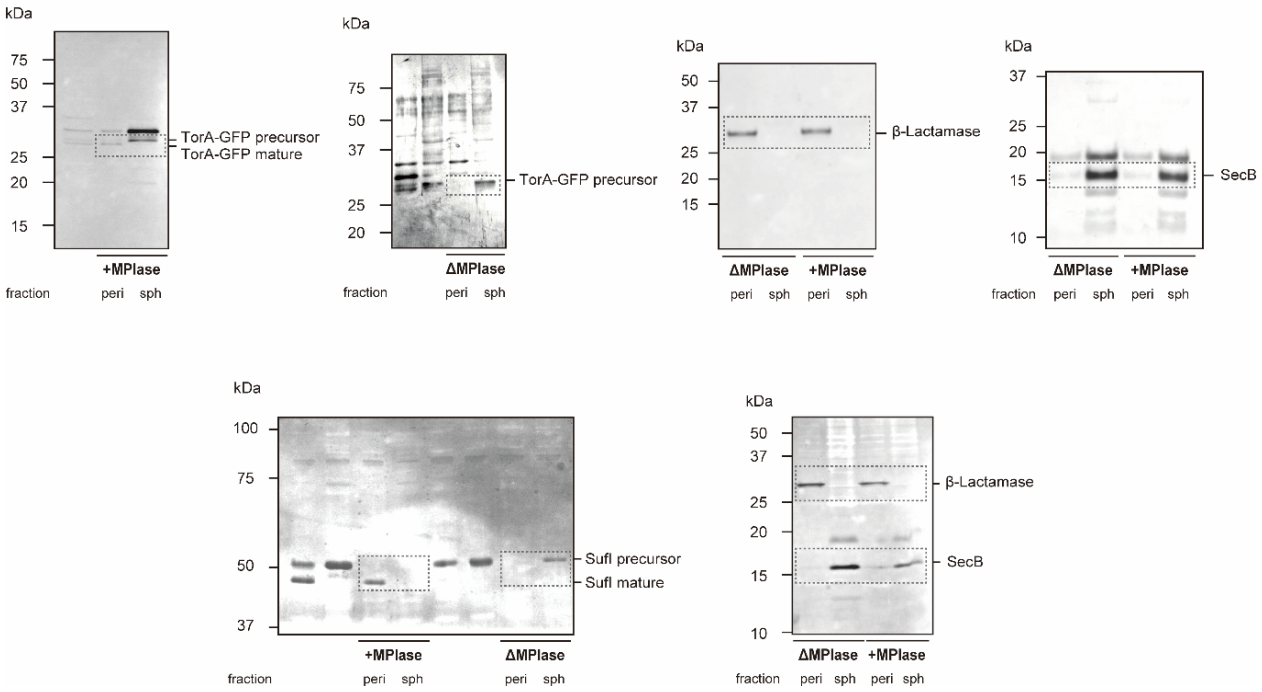

EK413/pTac-TatABC/pTet-SufI
SufI (RR)
kDa
75
50
37
SufI precursor
SufI mature
chase time 0 1 3 5 10 (min)
SufI (KK)
kDa
75
50
37
SufI precursor
0 1 3 5 10 (min)
KS23/pAra-CdsA/pTac-TatABC/pTet-SufI (RR)
+MPIase
kDa
75
50
37
SufI precursor
SufI mature
chase time 0 1 3 5 10 (min)
ΔMPIase
kDa
75
50
37
SufI precursor
0 1 3 5 10 (min)

Fig.1C


kDa
75
50
37
25
20
15
TorA-GFP precursor
TorA-GFP mature
+MPIase
fraction peri sph
kDa
75
50
37
25
20
TorA-GFP precursor
ΔMPIase
fraction peri sph
kDa
50
37
25
20
15
β-Lactamase
ΔMPIase +MPIase
peri sph peri sph
kDa
37
25
20
15
10
SecB
ΔMPIase +MPIase
fraction peri sph peri sph
kDa
100
75
50
37
SufI precursor
SufI mature
+MPIase ΔMPIase
fraction peri sph peri sph
kDa
50
37
25
20
15
10
β-Lactamase
SecB
ΔMPIase +MPIase
fraction peri sph peri sph