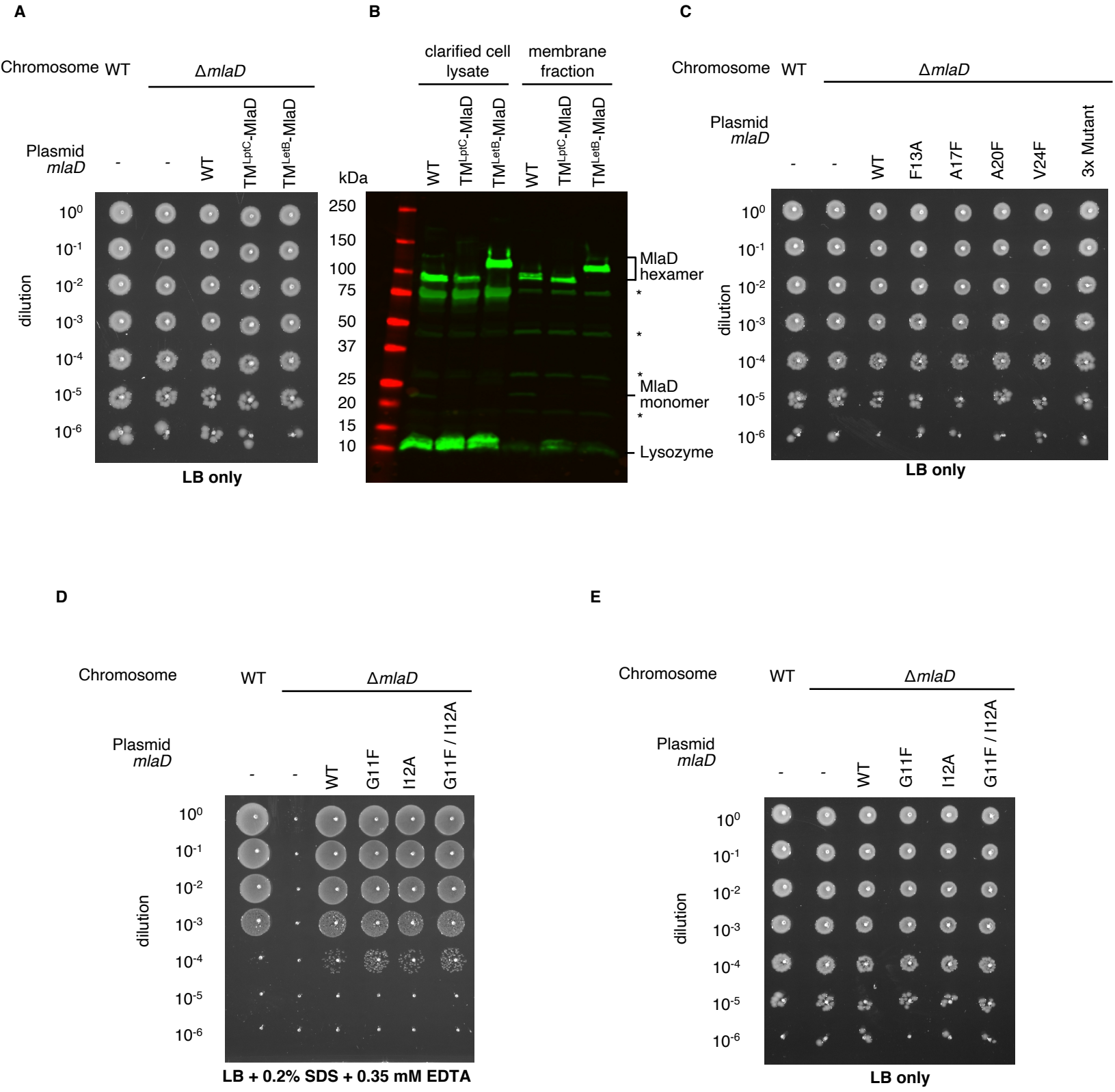
A
Chromosome WT
ΔmlaD
Plasmid mlaD
-
-
WT
TM^LptC-MlaD
TM^LetB-MlaD
dilution
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
LB only
B
clarified cell lysate
membrane fraction
WT
TM^LptC-MlaD
TM^LetB-MlaD
WT
TM^LptC-MlaD
TM^LetB-MlaD
kDa
250
150
100
75
50
37
25
20
15
10
MlaD hexamer
*
*
*
MlaD monomer
*
Lysozyme
C
Chromosome WT
ΔmlaD
Plasmid mlaD
-
-
WT
F13A
A17F
A20F
V24F
3x Mutant
dilution
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
LB only
D
Chromosome
WT
ΔmlaD
Plasmid mlaD
-
-
WT
G11F
I12A
G11F / I12A
dilution
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
LB + 0.2% SDS + 0.35 mM EDTA
E
Chromosome
WT
ΔmlaD
Plasmid mlaD
-
-
WT
G11F
I12A
G11F / I12A
dilution
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
LB only