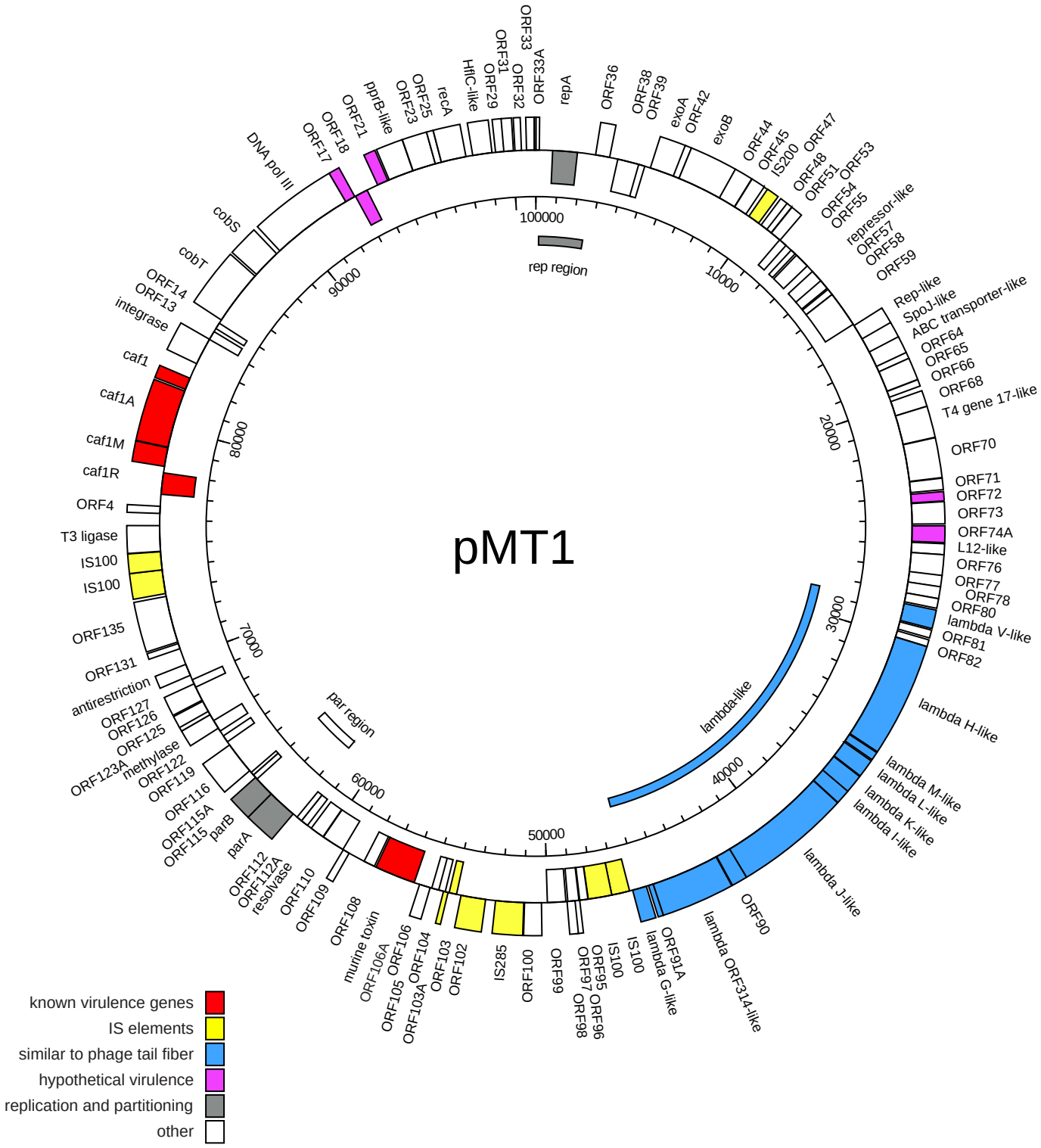
pMT1
100000
10000
20000
30000
40000
50000
60000
70000
80000
90000
rep region
par region
lambda-like
ORF33
ORF33A
repA
ORF36
ORF38
ORF39
exoA
ORF42
exoB
ORF44
ORF45
IS200
ORF47
ORF48
ORF51
ORF53
ORF54
ORF55
repressor-like
ORF57
ORF58
ORF59
Rep-like
SpoJ-like
ABC transporter-like
ORF64
ORF65
ORF66
ORF68
T4 gene 17-like
ORF70
ORF71
ORF72
ORF73
ORF74A
L12-like
ORF76
ORF77
ORF78
ORF80
lambda V-like
ORF81
ORF82
lambda H-like
lambda M-like
lambda L-like
lambda K-like
lambda I-like
lambda J-like
ORF90
lambda ORF314-like
ORF91A
lambda G-like
IS100
ORF95
ORF96
ORF97
ORF98
ORF99
ORF100
IS285
ORF102
ORF103
ORF103A
ORF104
ORF105
ORF106
ORF106A
murine toxin
ORF108
ORF109
ORF110
ORF112
ORF112A
resolvase
parA
parB
ORF115
ORF115A
ORF116
ORF119
ORF122
methylase
ORF123A
ORF125
ORF126
ORF127
antirestriction
ORF131
ORF135
IS100
IS100
T3 ligase
ORF4
caf1R
caf1M
caf1A
caf1
integrase
ORF13
ORF14
cobT
cobS
DNA pol III
ORF17
ORF18
ORF21
pprB-like
ORF23
ORF25
recA
HflC-like
ORF29
ORF31
ORF32
known virulence genes
IS elements
similar to phage tail fiber
hypothetical virulence
replication and partitioning
other