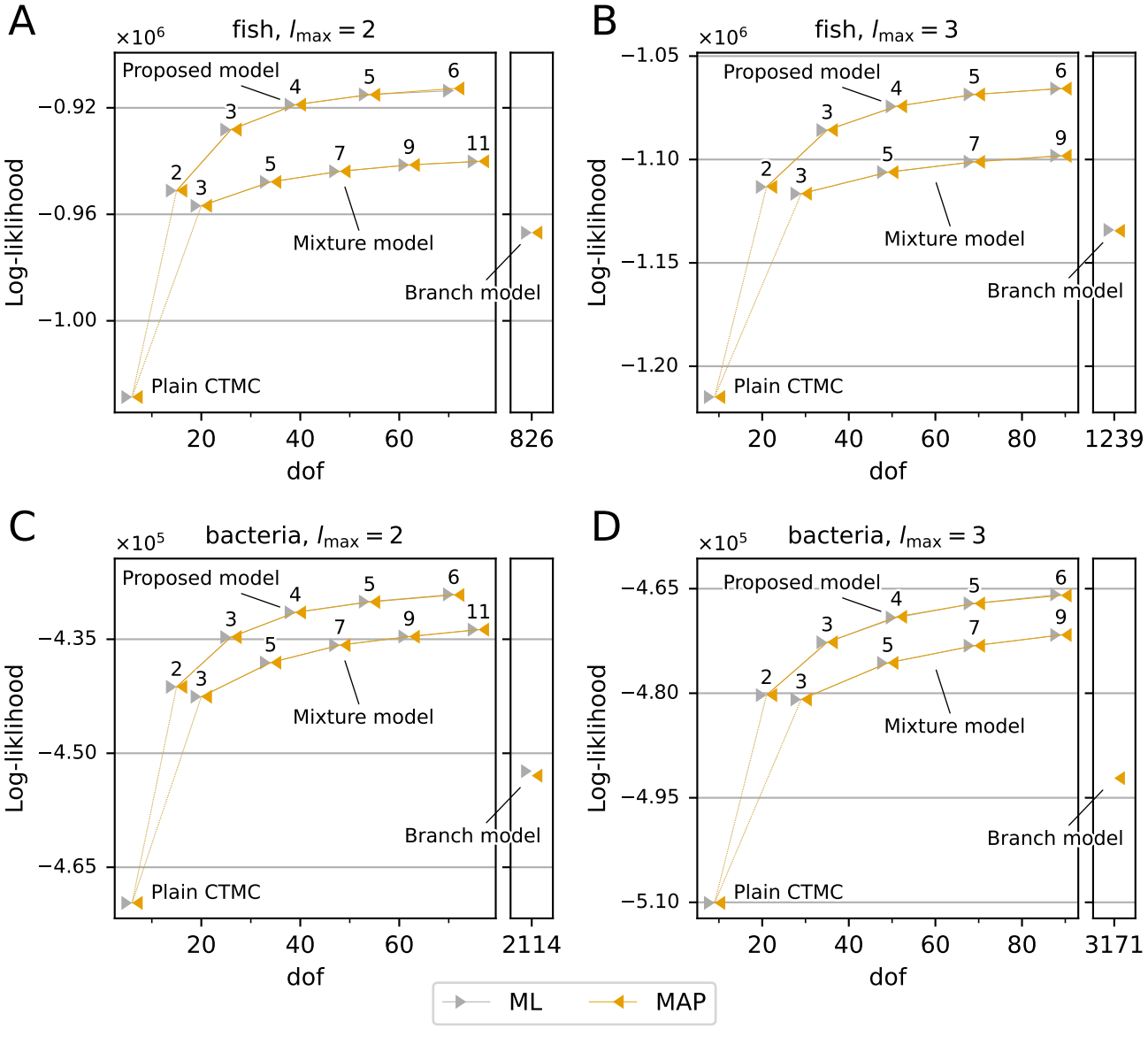
A
fish, $l_{max} = 2$
×10^6
Proposed model
Mixture model
Branch model
Plain CTMC
Log-liklihood
dof
−0.92
−0.96
−1.00
20
40
60
826
B
fish, $l_{max} = 3$
×10^6
−1.05
−1.10
−1.15
−1.20
80
1239
C
bacteria, $l_{max} = 2$
×10^5
−4.35
−4.50
−4.65
2114
D
bacteria, $l_{max} = 3$
×10^5
−4.65
−4.80
−4.95
−5.10
3171
ML
MAP