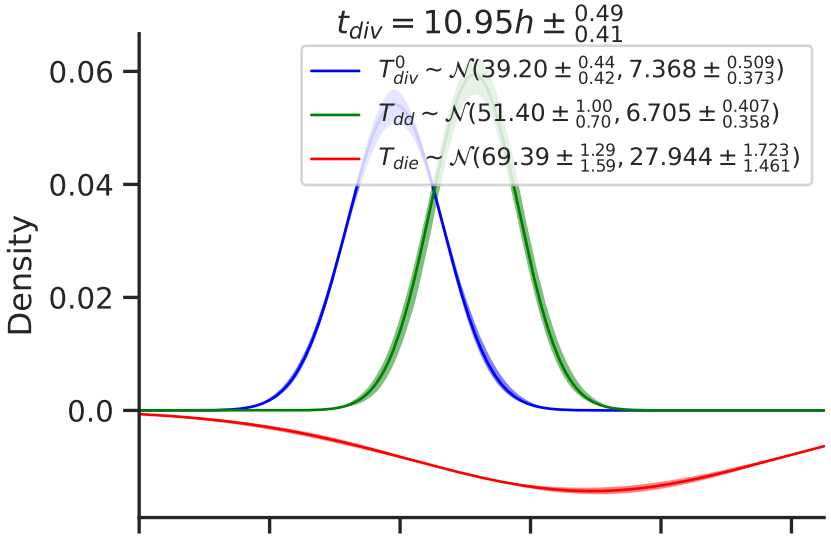
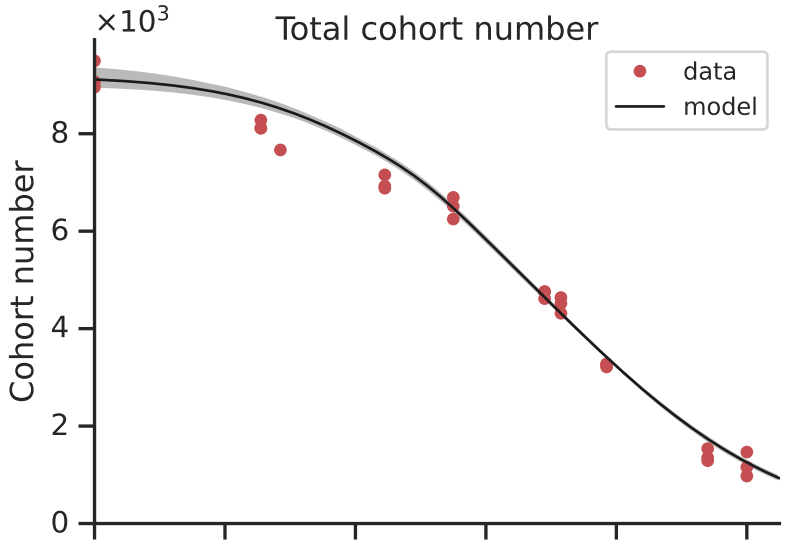
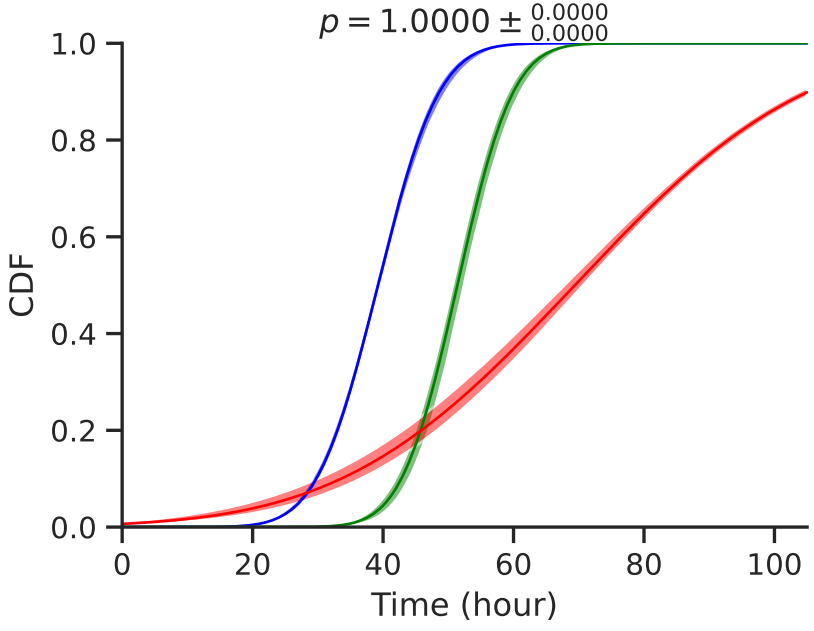
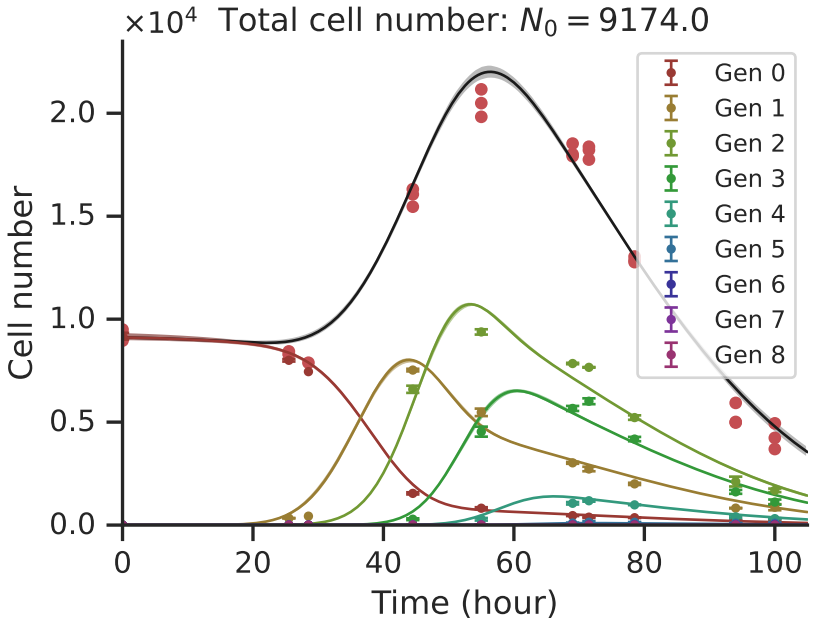
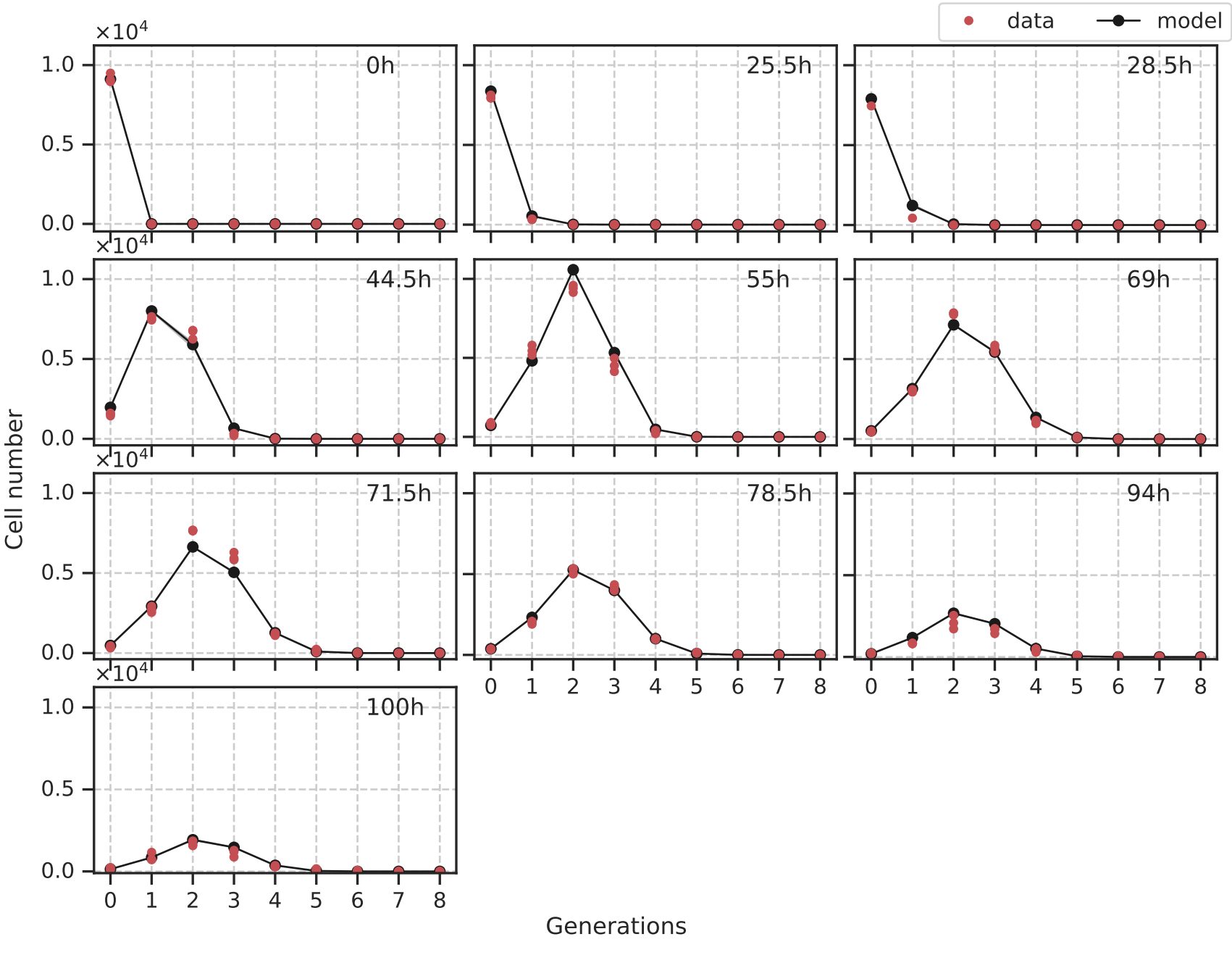
[EX130b][aCD27] Cyton parameters, Total cohort and cell numbers

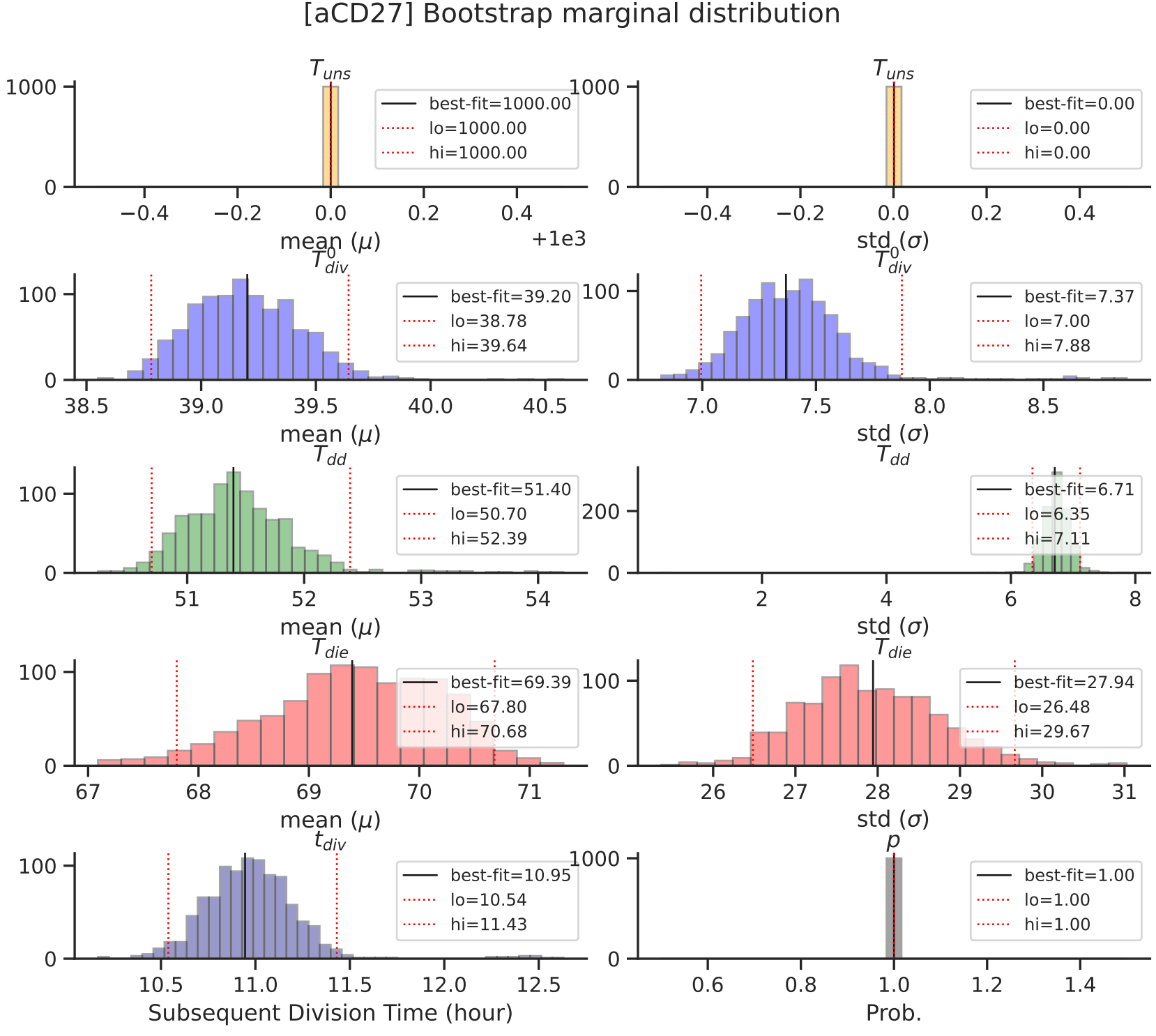


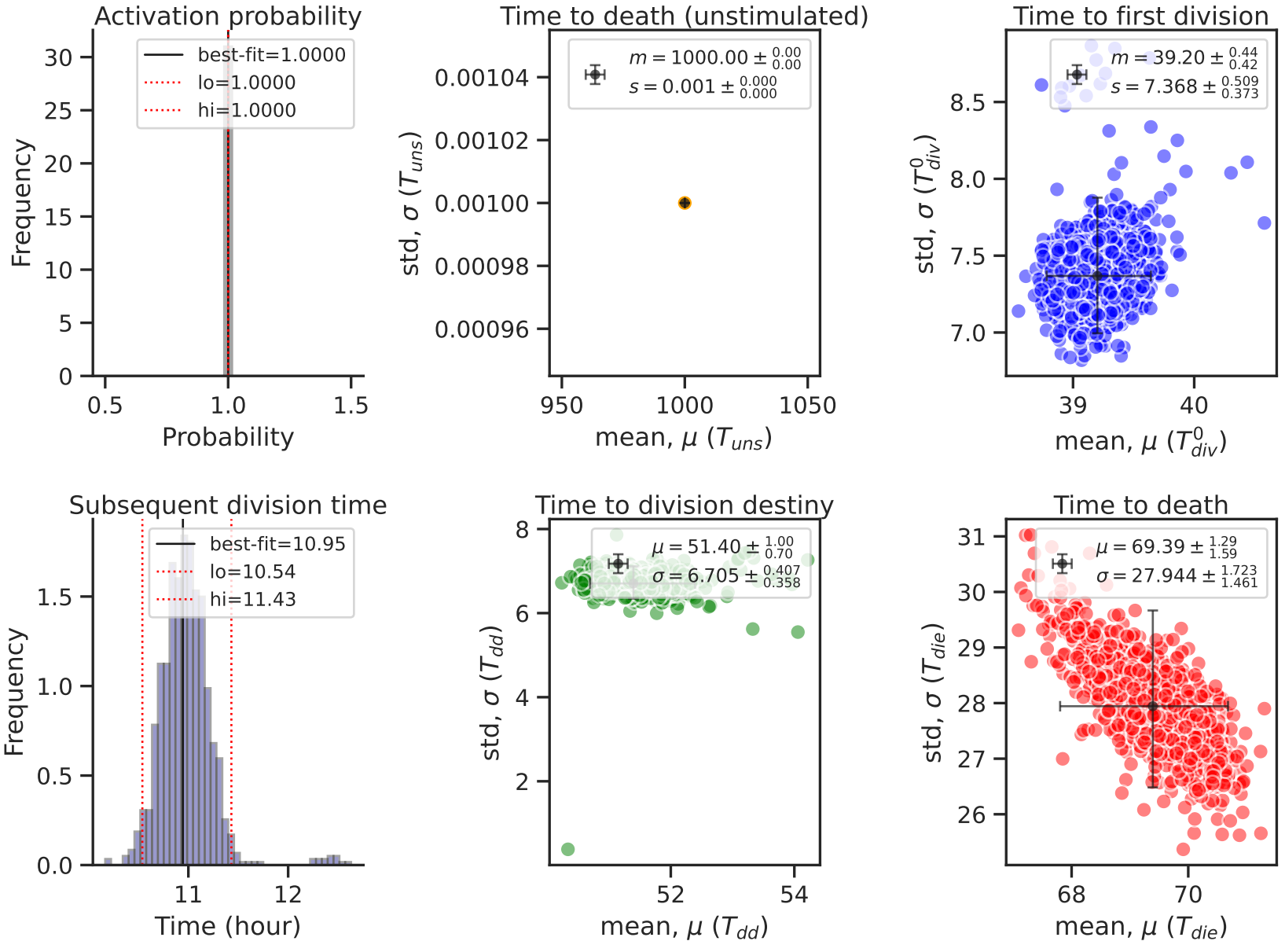


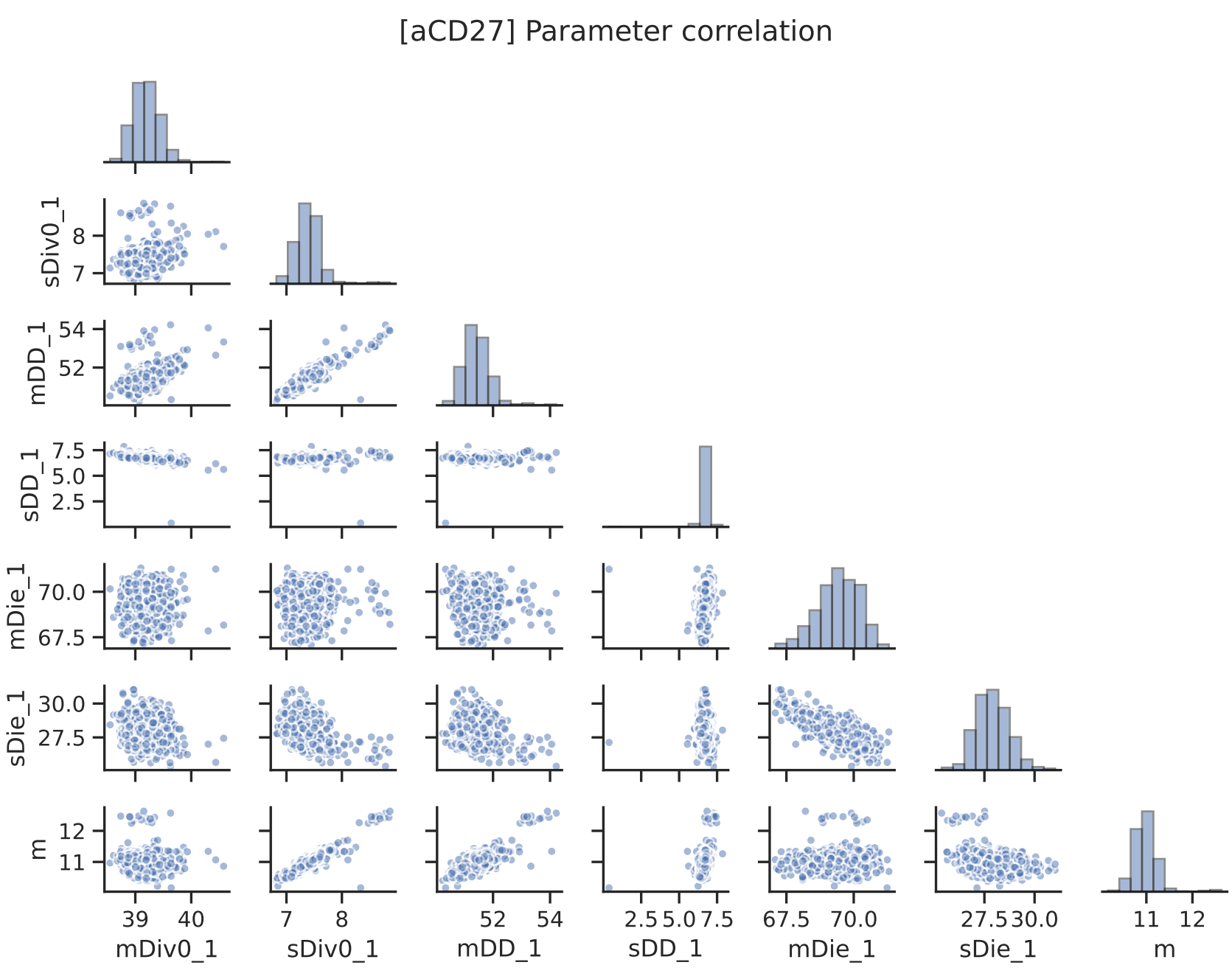





data
model
×10^4
0h
25.5h
28.5h
44.5h
55h
69h
71.5h
78.5h
94h
100h
1.0
0.5
0.0
0 1 2 3 4 5 6 7 8
Cell number
Generations


[aCD27] Bootstrap marginal distribution
T_{uns}
best-fit=1000.00
lo=1000.00
hi=1000.00
mean (μ)
+1e3
T_{uns}
best-fit=0.00
lo=0.00
hi=0.00
std (σ)
T_0^{div}
best-fit=39.20
lo=38.78
hi=39.64
mean (μ)
T_0^{div}
best-fit=7.37
lo=7.00
hi=7.88
std (σ)
T_{dd}
best-fit=51.40
lo=50.70
hi=52.39
mean (μ)
T_{dd}
best-fit=6.71
lo=6.35
hi=7.11
std (σ)
T_{die}
best-fit=69.39
lo=67.80
hi=70.68
mean (μ)
T_{die}
best-fit=27.94
lo=26.48
hi=29.67
std (σ)
t_{div}
best-fit=10.95
lo=10.54
hi=11.43
Subsequent Division Time (hour)
p
best-fit=1.00
lo=1.00
hi=1.00
Prob.


[aCD27] Bootstrap distribution
Activation probability
best-fit=1.0000
lo=1.0000
hi=1.0000
Frequency
Probability
Time to death (unstimulated)
$m = 1000.00 \pm {}^{0.00}_{0.00}$
$s = 0.001 \pm {}^{0.000}_{0.000}$
std, σ (T_{uns})
mean, μ (T_{uns})
Time to first division
$m = 39.20 \pm {}^{0.44}_{0.42}$
$s = 7.368 \pm {}^{0.509}_{0.373}$
std, σ (T^0_{div})
mean, μ (T^0_{div})
Subsequent division time
best-fit=10.95
lo=10.54
hi=11.43
Frequency
Time (hour)
Time to division destiny
$\mu = 51.40 \pm {}^{1.00}_{0.70}$
$\sigma = 6.705 \pm {}^{0.407}_{0.358}$
std, σ (T_{dd})
mean, μ (T_{dd})
Time to death
$\mu = 69.39 \pm {}^{1.29}_{1.59}$
$\sigma = 27.944 \pm {}^{1.723}_{1.461}$
std, σ (T_{die})
mean, μ (T_{die})


[aCD27] Parameter correlation
mDiv0_1
sDiv0_1
mDD_1
sDD_1
mDie_1
sDie_1
m
39
40
7
8
52
54
2.5
5.0
7.5
67.5
70.0
27.5
30.0
11
12