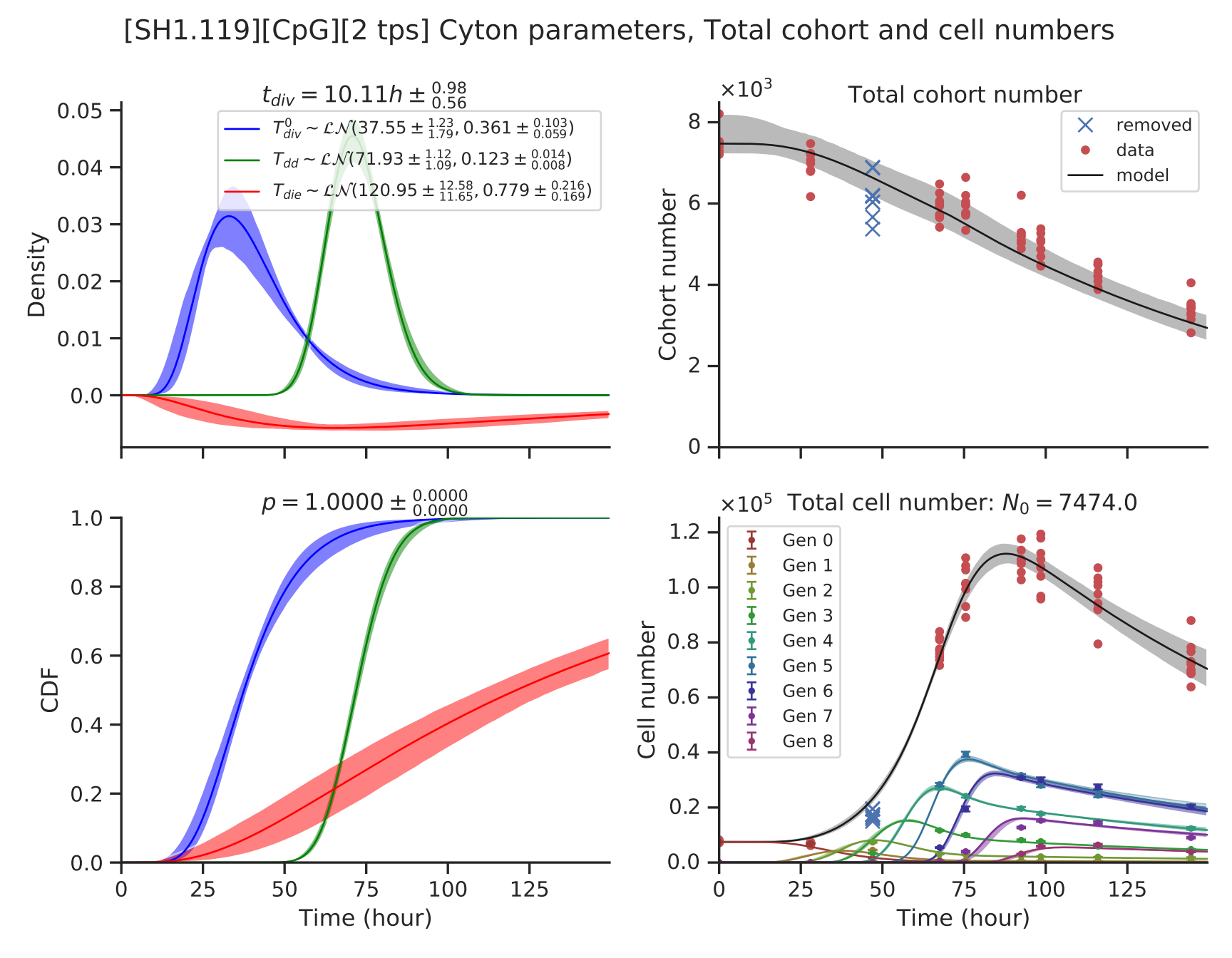
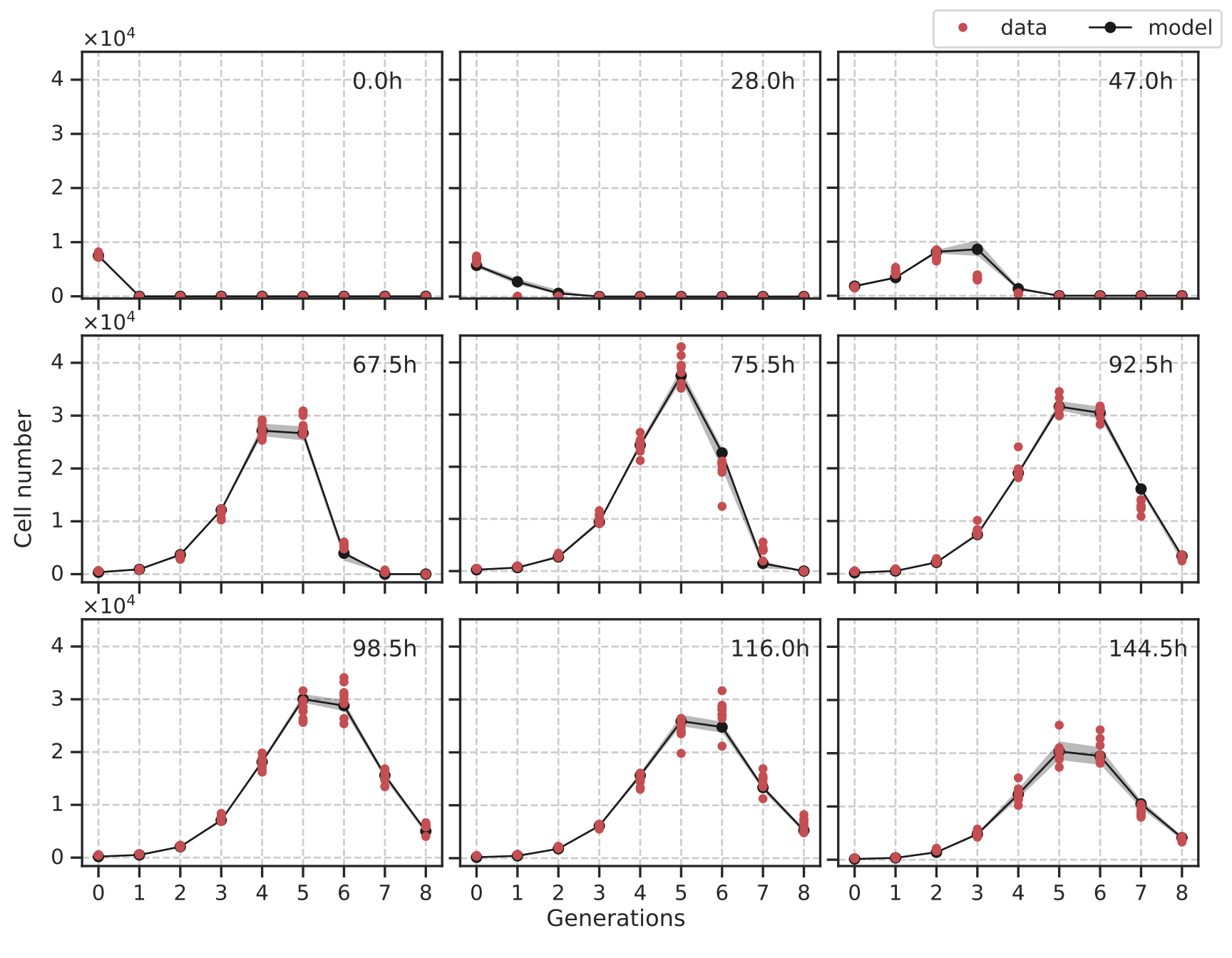
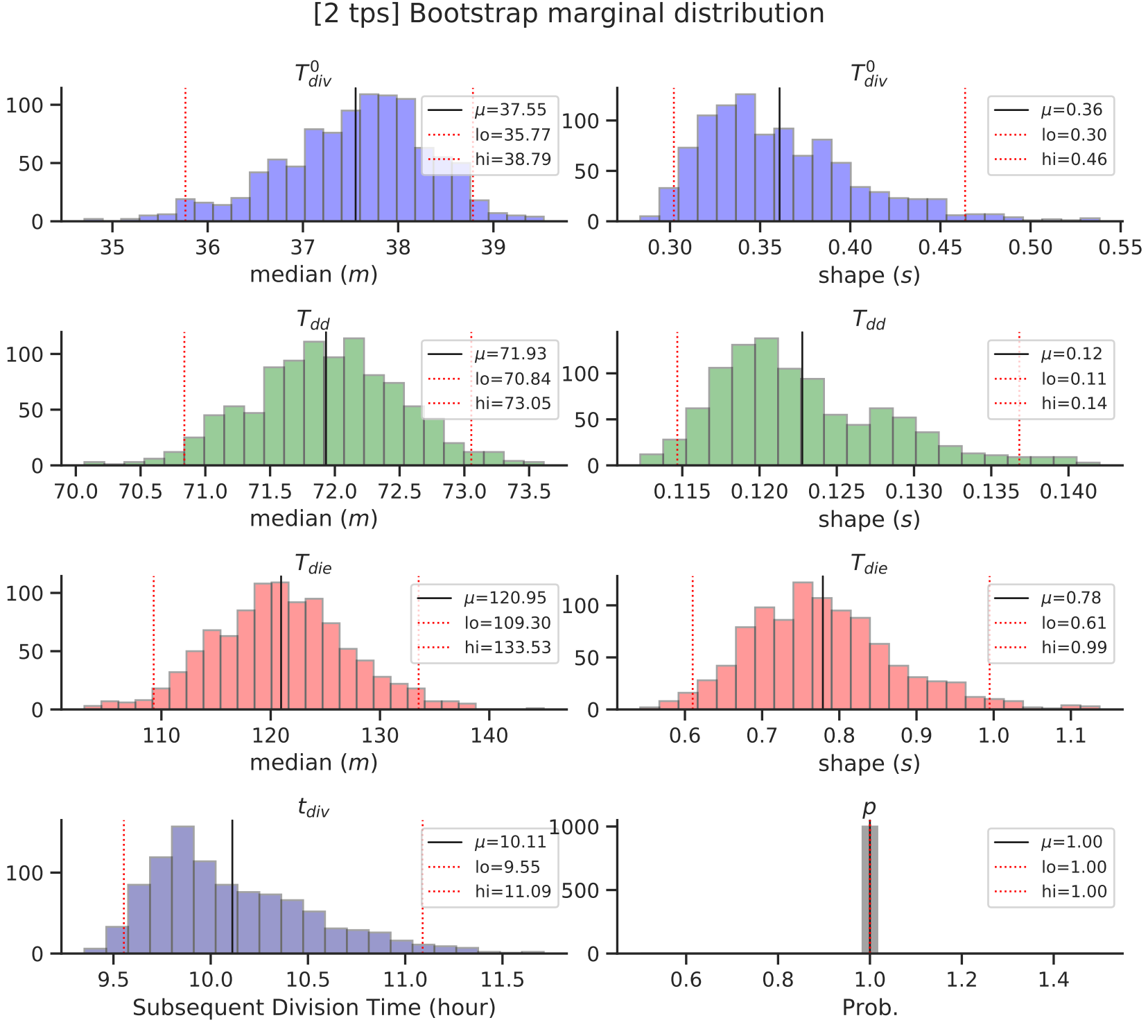
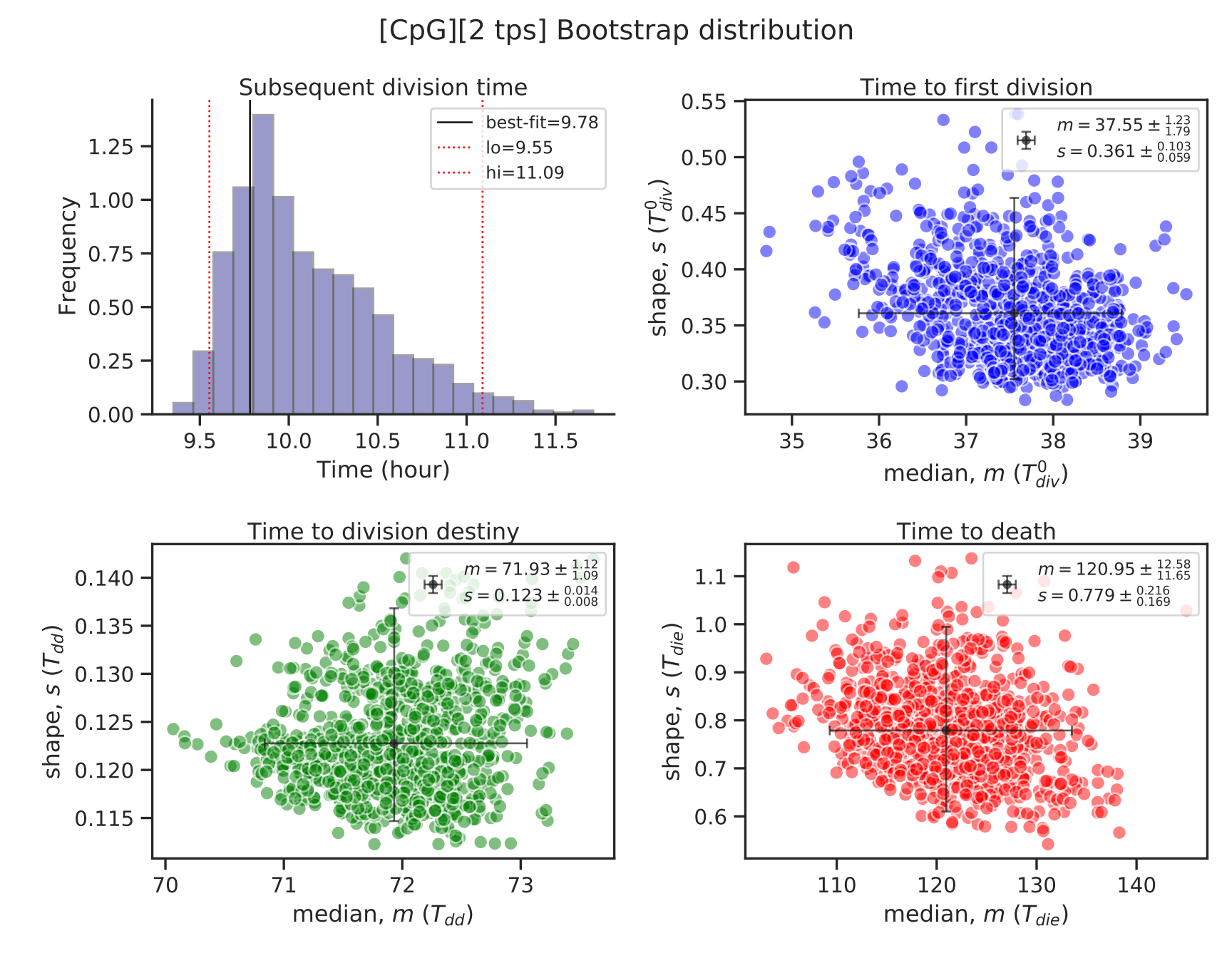
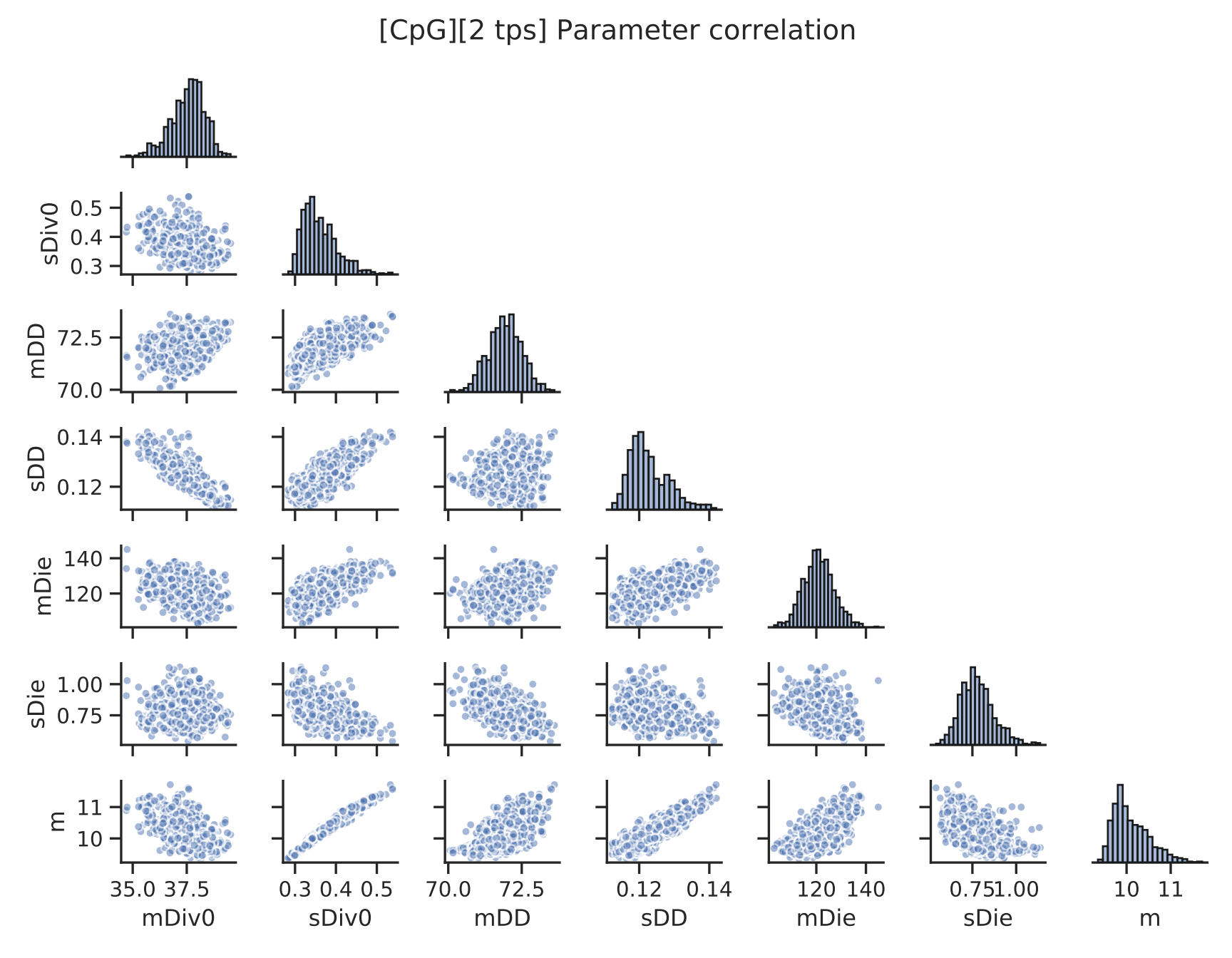

[SH1.119][CpG][2 tps] Cyton parameters, Total cohort and cell numbers
$t_{div} = 10.11h \pm {}^{0.98}_{0.56}$
$T^0_{div} \sim \mathcal{LN}(37.55 \pm {}^{1.23}_{1.79}, 0.361 \pm {}^{0.103}_{0.059})$
$T_{dd} \sim \mathcal{LN}(71.93 \pm {}^{1.12}_{1.09}, 0.123 \pm {}^{0.014}_{0.008})$
$T_{die} \sim \mathcal{LN}(120.95 \pm {}^{12.58}_{11.65}, 0.779 \pm {}^{0.216}_{0.169})$
Density
Total cohort number
×10^3
removed
data
model
Cohort number
$p = 1.0000 \pm {}^{0.0000}_{0.0000}$
CDF
Time (hour)
×10^5 Total cell number: $N_0 = 7474.0$
Gen 0
Gen 1
Gen 2
Gen 3
Gen 4
Gen 5
Gen 6
Gen 7
Gen 8
Cell number
Time (hour)


data
model
0.0h
28.0h
47.0h
67.5h
75.5h
92.5h
98.5h
116.0h
144.5h
×10^4
Cell number
Generations


[2 tps] Bootstrap marginal distribution
T^0_{div}
μ=37.55
lo=35.77
hi=38.79
median (m)
T^0_{div}
μ=0.36
lo=0.30
hi=0.46
shape (s)
T_{dd}
μ=71.93
lo=70.84
hi=73.05
median (m)
T_{dd}
μ=0.12
lo=0.11
hi=0.14
shape (s)
T_{die}
μ=120.95
lo=109.30
hi=133.53
median (m)
T_{die}
μ=0.78
lo=0.61
hi=0.99
shape (s)
t_{div}
μ=10.11
lo=9.55
hi=11.09
Subsequent Division Time (hour)
p
μ=1.00
lo=1.00
hi=1.00
Prob.


[CpG][2 tps] Bootstrap distribution
Subsequent division time
best-fit=9.78
lo=9.55
hi=11.09
Frequency
Time (hour)
Time to first division
$m = 37.55 \pm {}^{1.23}_{1.79}$
$s = 0.361 \pm {}^{0.103}_{0.059}$
shape, s (T^0_{div})
median, m (T^0_{div})
Time to division destiny
$m = 71.93 \pm {}^{1.12}_{1.09}$
$s = 0.123 \pm {}^{0.014}_{0.008}$
shape, s (T_{dd})
median, m (T_{dd})
Time to death
$m = 120.95 \pm {}^{12.58}_{11.65}$
$s = 0.779 \pm {}^{0.216}_{0.169}$
shape, s (T_{die})
median, m (T_{die})


[CpG][2 tps] Parameter correlation
mDiv0
sDiv0
mDD
sDD
mDie
sDie
m
35.0 37.5
0.3 0.4 0.5
70.0 72.5
0.12 0.14
120 140
0.75 1.00
10 11