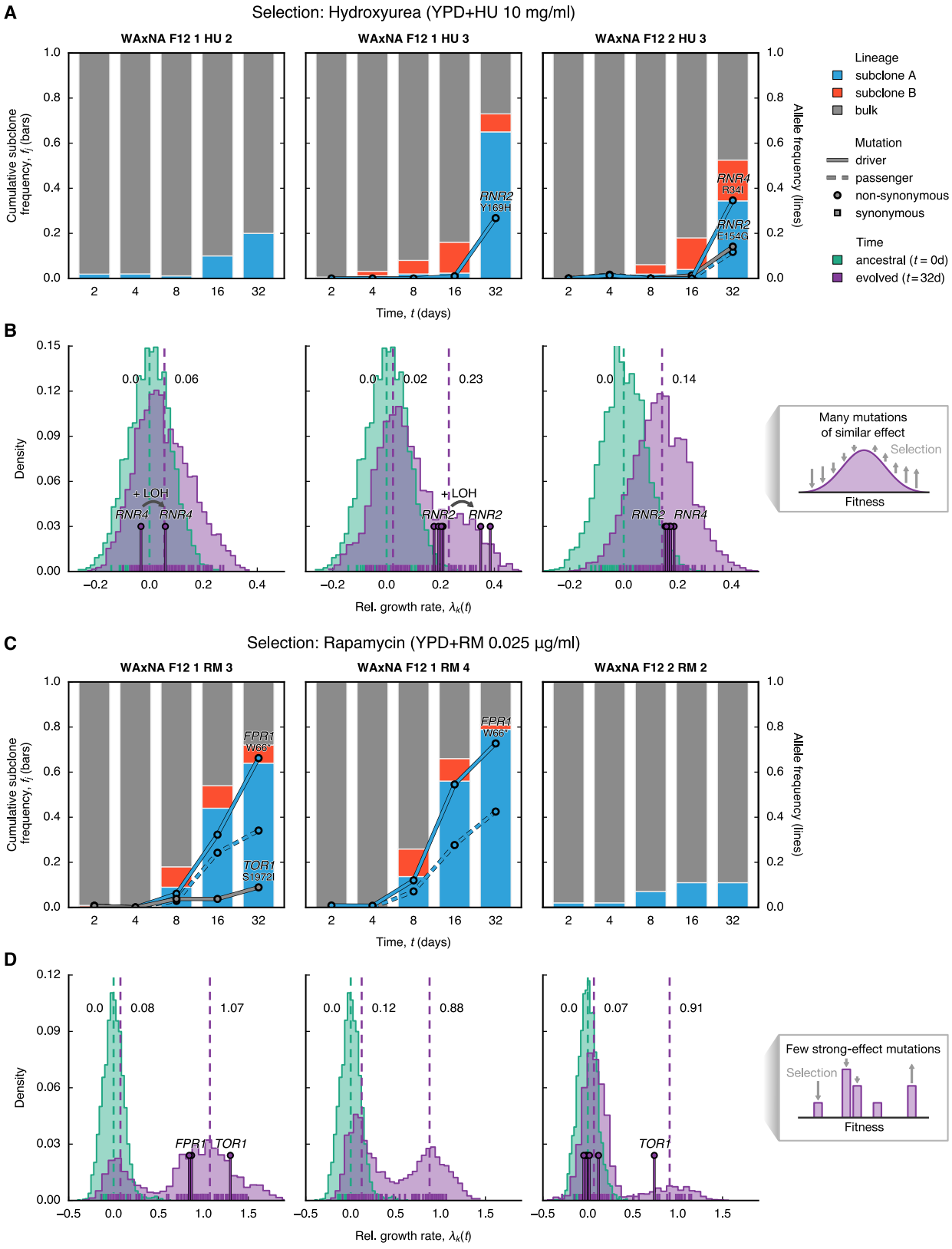
A
Selection: Hydroxyurea (YPD+HU 10 mg/ml)
WAxNA F12 1 HU 2
WAxNA F12 1 HU 3
WAxNA F12 2 HU 3
Cumulative subclone frequency, f_i (bars)
Allele frequency (lines)
Time, t (days)
RNR2 Y169H
RNR4 R34I
RNR2 E154G
Lineage
subclone A
subclone B
bulk
Mutation
driver
passenger
non-synonymous
synonymous
Time
ancestral (t = 0d)
evolved (t = 32d)
B
Density
Rel. growth rate, $\lambda_k(t)$
+ LOH
RNR4
RNR2
Many mutations of similar effect
Selection
Fitness
C
Selection: Rapamycin (YPD+RM 0.025 µg/ml)
WAxNA F12 1 RM 3
WAxNA F12 1 RM 4
WAxNA F12 2 RM 2
FPR1 W66*
TOR1 S1972I
D
Few strong-effect mutations