

Table S1 Hypercube parameters and step-size.

Parameter	min	max	step size
β_0 (weeks ⁻¹)	2	6	0.4
β_1 (weeks ⁻¹)	2	6	0.4
R_0	0.74	2.2	0.15*
R^*	0.74	2.2	0.15*
t_1 (weeks)	1	15	1
Δt (weeks)	0	8	1
baseline noise, ϕ_N	1	10	1

* Although the algorithm steps through β , since T_g is a constant, this is equivalent to stepping through R . Hence, we report both here.