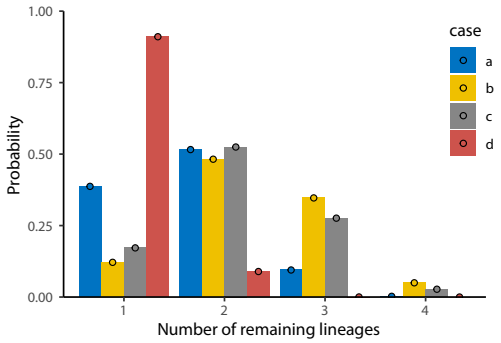

Figure S1: Probability distribution of the number of lineages remaining at time T (in $2N$ generations) when we trace the genealogy for a sample of n sequences randomly sampled from a diploid population of size N backwards in time. The four cases are for $n = 4$ and $T = 1, 0.5, 0.6$, and 3, for cases **a**–**d** of figure 3. The bars represent estimates from 10^7 simulations while circles are from eqs. 6.1 & 6.2 in Tavaré (1984).

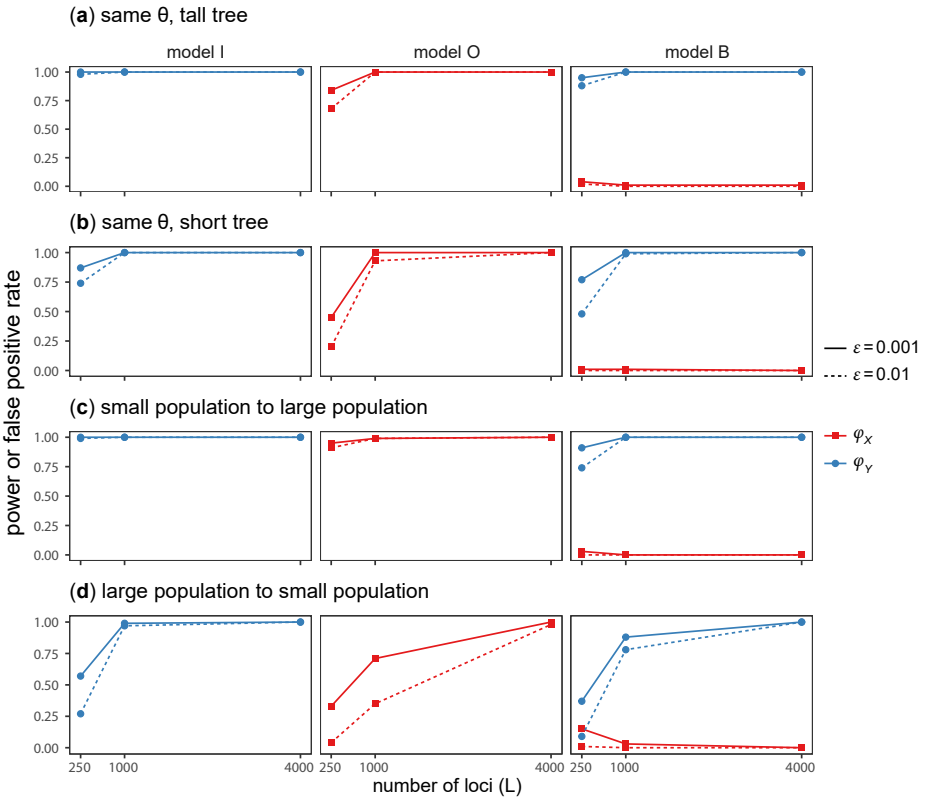

Figure S2: (**2s-power**) Power (blue) and false positive rate (red) of Bayesian test for introgression applied to the simulated data with two species under model I of figure 1**a** using four sets of parameter values (cases **a**–**d**). Bayesian test is conducted using a cut-off of 100 for the Bayes factor, calculated using the Savage-Dickey density ratio with the small value for null effect ($\epsilon = 0.001$ or 0.01). Note that model I is the true model with $A \longrightarrow B$ introgression with probability φ_Y. A significant result for testing the null H_0: $\varphi_Y = 0$ under model I or B is considered a true positive, whereas a significant result for testing the null H_0: $\varphi_X = 0$ under model O or B is considered a false positive. Parameter estimates from those data are summarized in figure 3.

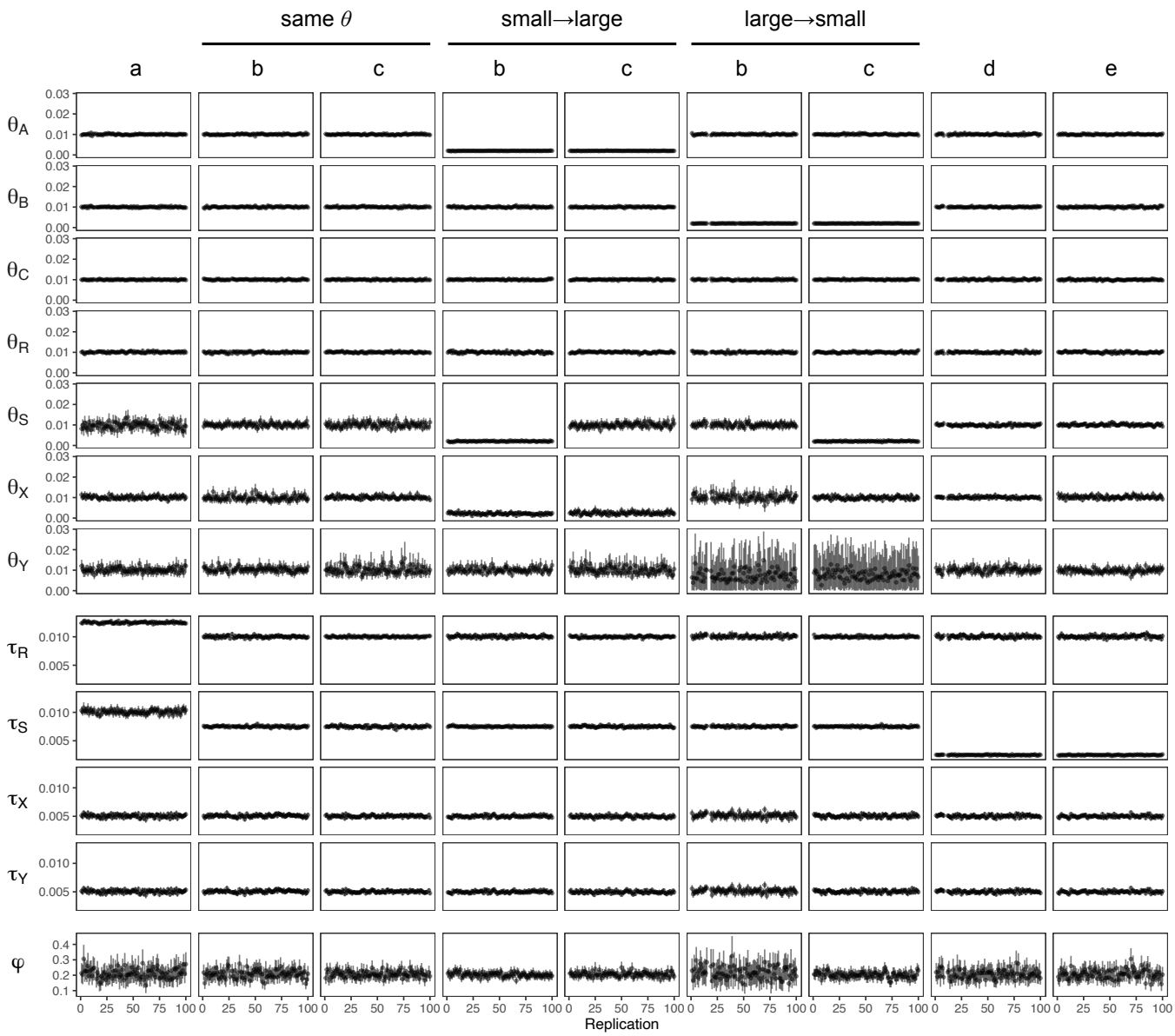

Figure S3: Posterior means and 95% HPD CIs for parameters in 100 replicate datasets simulated and analyzed under the models of figure 4**a**–**e**. Results for φ are shown also in figure 4**h**.

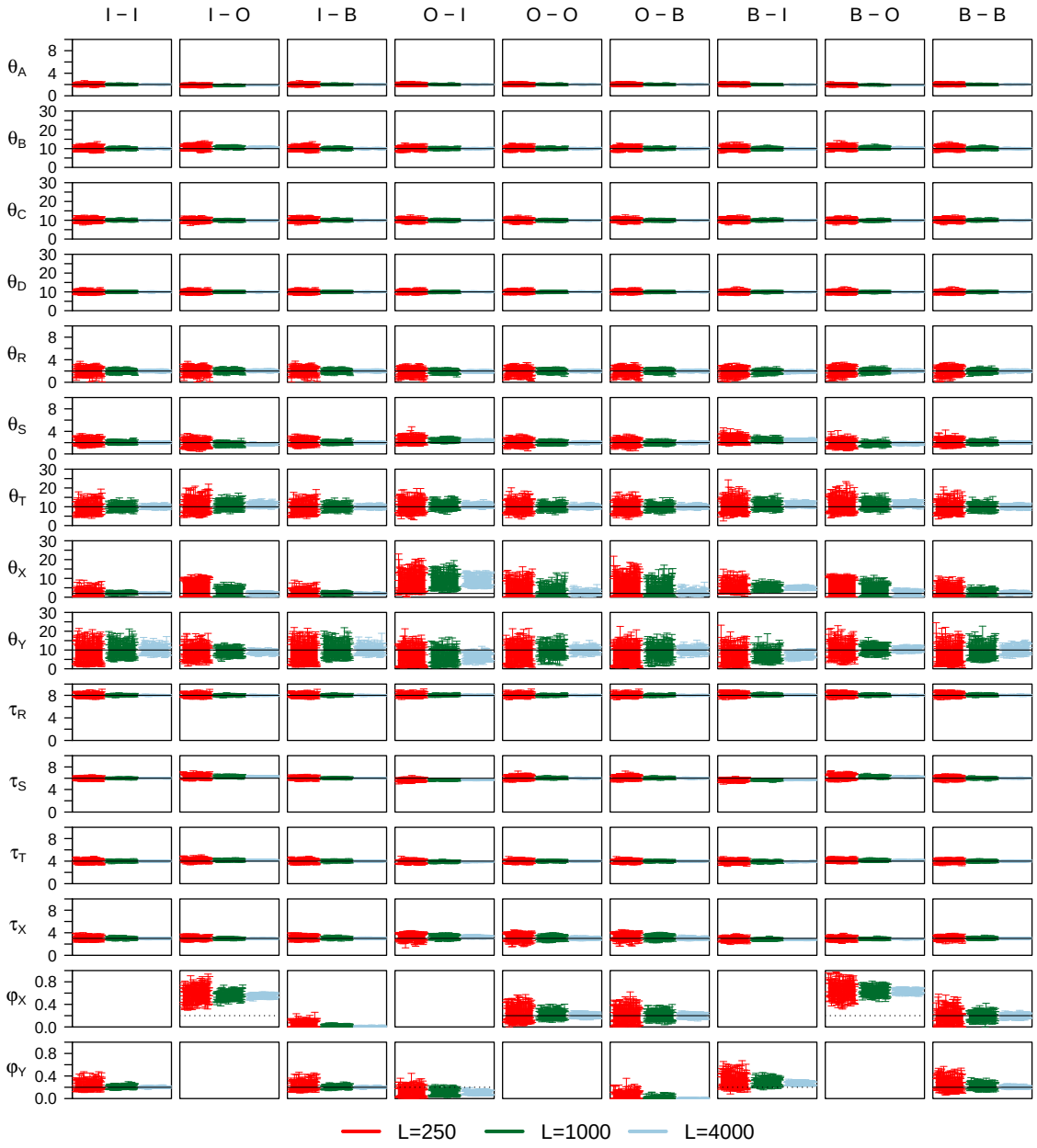

Figure S4: **(4s-diff-θ)** The 95% HPD CIs for parameters in 100 replicate datasets simulated and analyzed under models I, O, and B of figure 5, with $\theta_0 = 0.002$ for the thin branches and $\theta_1 = 0.01$ for the thick branches in the species tree. See legend to figure 6.

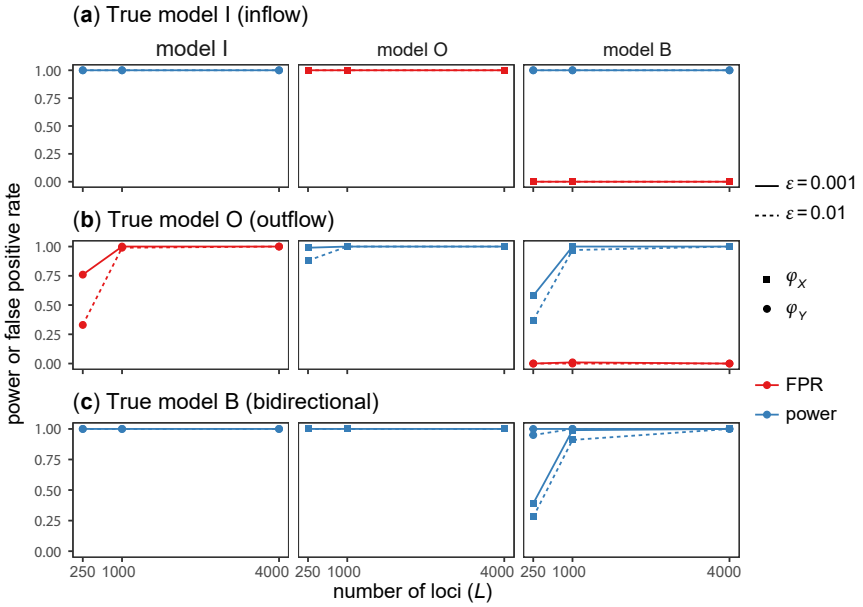

Figure S5: (**4s-same-θ-power**) Power (blue) and false positive rate (red) of Bayesian test for introgression applied to data of four species simulated under the (**a**) inflow (I), (**b**) outflow (O), and (**c**) bidirectional (B) models of figure 5**a**–**c**, assuming the same θ for all populations. The data were analyzed under the same I, O, and B models, resulting in nine combinations. Parameter estimates from those data are summarized in figure 6.

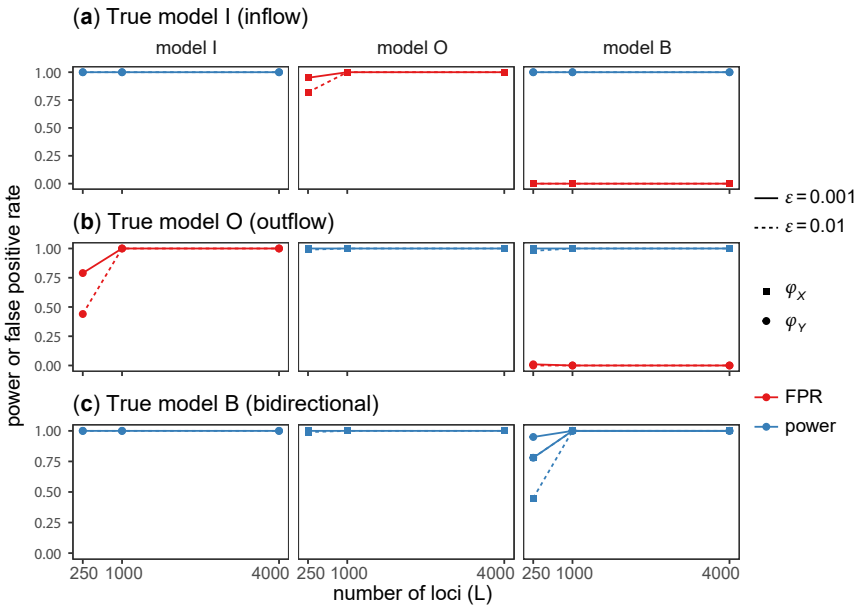

Figure S6: (**4s-diff-θ-power**) Power (blue) and false positive rate (red) of Bayesian test for introgression applied to data of four species simulated under the I, O, and B models of figure 5**a**–**c**, assuming different θ for populations on the species tree. Parameter estimates from those data are summarized in figure S4. See legend to figure S5.

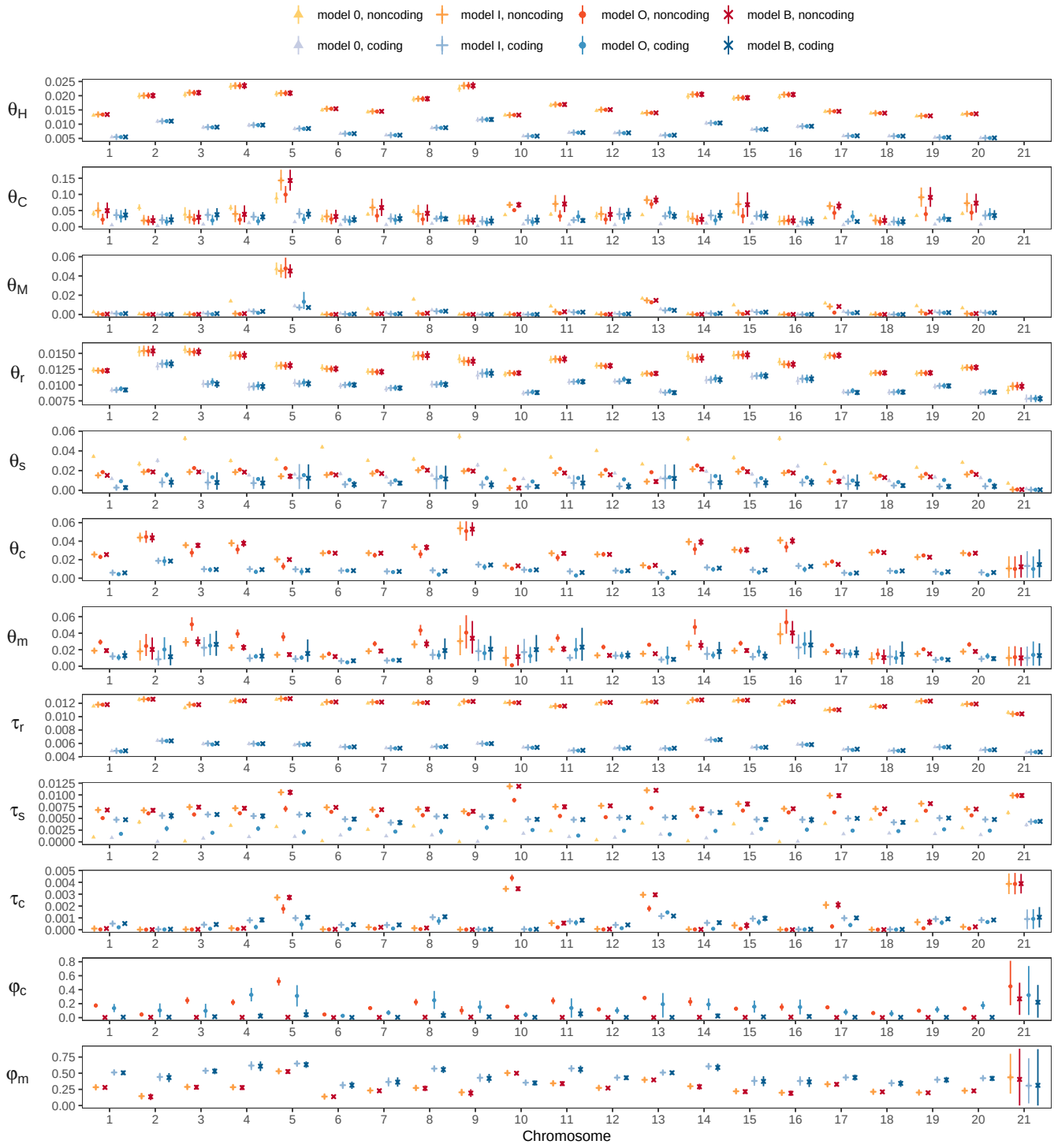

Figure S7: Posterior means and 95% HPD CIs for parameters in BPP analyses of coding and noncoding data from the different chromosomes of *H. cydno* (C), *H. melpomene* (M) and *H. hecale* (*H*) (fig. 5). The four models are (Ø) MSC with no gene flow, (I) MSci with $C \rightarrow M$ introgression, (O) MSci with $M \rightarrow C$ introgression, and (B) MSci with $C \leftrightarrows M$ bidirectional introgression (see table 2). Results for chromosome 1 are also shown in table 2. In model Ø with no gene flow, branches C and c are assigned the same θ_C, and branches M and m are assigned the same θ_M (fig. 7). For the sex chromosome (chr 21, with 3078 coding and 3275 noncoding loci), there is only one sequence per species per locus, so that the population sizes for extant species $(\theta_C, \theta_M, \theta_H)$ are unidentifiable/inestimable in all four models. Furthermore, θ_m in model I and θ_c in model O are inestimable, and models I and O are unidentifiable (with $\hat{\varphi}_m^{(\mathrm{I})} = \hat{\varphi}_c^{(\mathrm{O})}$ and $\hat{\theta}_c^{(\mathrm{I})} = \hat{\theta}_m^{(\mathrm{O})}$).

Table S1. (2s-4 cases) Average posterior means and 95% HPD CIs for parameters over 100 replicate datasets of $L = 4000$ loci simulated under model I (inflow) and analyzed under model I (inflow), model O (outflow) and model B (bidirectional) (fig. 1) using four sets of parameter values (cases a–d)

	(**a**) Same θ tall tree				(**b**) Same θ short tree				(**c**) Small to large				(**d**) Large to small			
	Θ_I	$\hat{\Theta}_I$	$\hat{\Theta}_O$	$\hat{\Theta}_B$	Θ_I	$\hat{\Theta}_I$	$\hat{\Theta}_O$	$\hat{\Theta}_B$	Θ_I	$\hat{\Theta}_I$	$\hat{\Theta}_O$	$\hat{\Theta}_B$	Θ_I	$\hat{\Theta}_I$	$\hat{\Theta}_O$	$\hat{\Theta}_B$
θ_A	1.0	1.00 (0.97, 1.03)	1.00 (0.97, 1.03)	1.00 (0.97, 1.03)	1.00	1.01 (0.97, 1.04)	1.01 (0.97, 1.04)	1.01 (0.97, 1.04)	0.2	0.20 (0.19, 0.21)	0.19 (0.19, 0.20)	0.20 (0.19, 0.21)	1.0	1.00 (0.97, 1.03)	1.00 (0.97, 1.03)	1.00 (0.97, 1.03)
θ_B	1.0	1.00 (0.97, 1.03)	1.00 (0.97, 1.03)	1.00 (0.97, 1.03)	1.00	1.00 (0.97, 1.04)	1.00 (0.97, 1.04)	1.00 (0.97, 1.04)	1.0	1.00 (0.97, 1.03)	1.02 (0.99, 1.05)	1.00 (0.97, 1.03)	0.2	0.20 (0.19, 0.21)	0.20 (0.19, 0.21)	0.20 (0.19, 0.21)
θ_R	1.0	1.00 (0.96, 1.04)	1.06 (1.02, 1.10)	1.00 (0.95, 1.04)	1.00	1.00 (0.97, 1.03)	1.02 (0.99, 1.05)	1.00 (0.97, 1.03)	0.2	0.20 (0.16, 0.23)	0.14 (0.09, 0.19)	0.19 (0.16, 0.23)	1.0	1.00 (0.96, 1.04)	1.02 (0.98, 1.05)	1.00 (0.96, 1.04)
θ_X	1.0	1.01 (0.94, 1.08)	0.45 (0.33, 0.58)	0.98 (0.90, 1.06)	1.00	1.00 (0.93, 1.08)	0.44 (0.24, 0.65)	0.97 (0.88, 1.05)	0.2	0.20 (0.16, 0.25)	0.50 (0.01, 1.19)	0.18 (0.11, 0.24)	1.0	1.00 (0.93, 1.08)	0.65 (0.40, 0.88)	0.99 (0.91, 1.07)
θ_Y	1.0	1.00 (0.88, 1.12)	1.91 (1.69, 2.14)	1.02 (0.90, 1.15)	1.00	1.00 (0.85, 1.14)	1.84 (1.56, 2.14)	1.02 (0.87, 1.17)	1.0	0.98 (0.81, 1.15)	1.00 (0.88, 1.12)	1.01 (0.83, 1.19)	0.2	0.21 (0.09, 0.34)	1.07 (0.56, 1.65)	0.24 (0.10, 0.39)
τ_R	1.0	1.00 (0.97, 1.03)	0.93 (0.90, 0.95)	1.00 (0.98, 1.03)	0.50	0.50 (0.48, 0.52)	0.47 (0.45, 0.49)	0.50 (0.48, 0.52)	0.6	0.60 (0.58, 0.63)	0.69 (0.65, 0.73)	0.60 (0.58, 0.63)	0.6	0.60 (0.57, 0.63)	0.57 (0.54, 0.59)	0.61 (0.57, 0.64)
τ_X	0.5	0.50 (0.47, 0.53)	0.55 (0.52, 0.57)	0.50 (0.47, 0.53)	0.25	0.25 (0.23, 0.28)	0.28 (0.25, 0.31)	0.25 (0.23, 0.28)	0.3	0.30 (0.28, 0.32)	0.36 (0.34, 0.37)	0.31 (0.29, 0.33)	0.3	0.30 (0.27, 0.34)	0.35 (0.31, 0.38)	0.31 (0.27, 0.34)
φ_X	n/a	n/a	0.27 (0.20, 0.33)	0.01 (0.00, 0.02)	n/a	n/a	0.30 (0.18, 0.44)	0.01 (0.00, 0.04)	n/a	n/a	0.98 (0.96, 1.00)	0.02 (0.00, 0.05)	n/a	n/a	0.17 (0.06, 0.31)	0.01 (0.00, 0.02)
φ_Y	0.2	0.20 (0.17, 0.24)	n/a	0.19 (0.16, 0.23)	0.20	0.21 (0.15, 0.27)	n/a	0.20 (0.14, 0.26)	0.2	0.21 (0.17, 0.25)	n/a	0.20 (0.16, 0.25)	0.2	0.21 (0.13, 0.29)	n/a	0.20 (0.12, 0.29)

Note.— Θ_I denotes the true parameter values, while $\hat{\Theta}_I$, $\hat{\Theta}_O$, and $\hat{\Theta}_B$ are estimates under models I, O and B, respectively (fig. 1). There are $n = 4$ sequences per species per locus and $N = 500$ sites in the sequence. Values of τ and θ are multiplied by 100. Estimates for individual datasets and for all data sizes ($L = 250, 1000, 4000$) are plotted in figure 3.

Table S2. (4s-same-θ) Average posterior means and 95% HPD CIs for parameters over 100 replicate datasets of $L = 4000$ loci simulated and analyzed under the inflow (I), outflow (O) and bidirectional (B) models of figure 5 with the same population size (θ) for all species

	True model I				True model O				True model B			
	Θ_I	$\hat{\Theta}_I$	$\hat{\Theta}_O$	$\hat{\Theta}_B$	Θ_O	$\hat{\Theta}_I$	$\hat{\Theta}_O$	$\hat{\Theta}_B$	Θ_B	$\hat{\Theta}_I$	$\hat{\Theta}_O$	$\hat{\Theta}_B$
θ_A	1.0	1.00 (0.97, 1.03)	0.98 (0.95, 1.02)	1.00 (0.97, 1.03)	1.0	1.00 (0.97, 1.03)	1.00 (0.97, 1.03)	1.00 (0.97, 1.03)	1.0	1.00 (0.96, 1.03)	0.98 (0.95, 1.01)	1.00 (0.97, 1.03)
θ_B	1.0	1.00 (0.97, 1.03)	1.02 (0.99, 1.06)	1.00 (0.97, 1.03)	1.0	0.99 (0.96, 1.03)	1.00 (0.97, 1.03)	1.00 (0.97, 1.03)	1.0	0.99 (0.96, 1.03)	1.02 (0.98, 1.05)	1.00 (0.97, 1.03)
θ_C	1.0	1.00 (0.97, 1.03)	0.97 (0.95, 1.00)	1.00 (0.97, 1.03)	1.0	1.02 (0.99, 1.05)	1.00 (0.97, 1.03)	1.00 (0.97, 1.03)	1.0	1.01 (0.98, 1.04)	0.98 (0.95, 1.00)	1.00 (0.97, 1.03)
θ_D	1.0	1.00 (0.98, 1.02)	1.00 (0.98, 1.02)	1.00 (0.98, 1.02)	1.0	1.00 (0.98, 1.02)	1.00 (0.98, 1.02)	1.00 (0.98, 1.02)	1.0	1.00 (0.98, 1.02)	1.00 (0.98, 1.02)	1.00 (0.98, 1.02)
θ_R	1.0	1.00 (0.97, 1.03)	0.99 (0.96, 1.02)	1.00 (0.97, 1.03)	1.0	0.98 (0.96, 1.01)	1.00 (0.97, 1.03)	1.00 (0.97, 1.03)	1.0	0.98 (0.95, 1.01)	0.99 (0.96, 1.02)	1.00 (0.97, 1.02)
θ_S	1.0	1.00 (0.93, 1.08)	1.11 (1.03, 1.19)	0.99 (0.92, 1.07)	1.0	1.22 (1.16, 1.29)	0.99 (0.91, 1.07)	0.99 (0.91, 1.07)	1.0	1.23 (1.17, 1.30)	1.07 (0.99, 1.16)	1.00 (0.91, 1.08)
θ_T	1.0	1.00 (0.92, 1.08)	1.24 (1.12, 1.36)	1.00 (0.92, 1.08)	1.0	0.71 (0.62, 0.81)	1.00 (0.93, 1.08)	1.00 (0.92, 1.07)	1.0	0.77 (0.66, 0.88)	1.26 (1.15, 1.38)	1.00 (0.91, 1.08)
θ_X	1.0	1.00 (0.94, 1.07)	0.74 (0.68, 0.80)	0.99 (0.92, 1.06)	1.0	1.55 (1.39, 1.72)	1.00 (0.90, 1.11)	1.01 (0.91, 1.12)	1.0	1.52 (1.39, 1.66)	0.69 (0.59, 0.79)	1.01 (0.88, 1.13)
θ_Y	1.0	1.00 (0.77, 1.26)	1.36 (1.19, 1.54)	1.01 (0.77, 1.28)	1.0	0.74 (0.58, 0.91)	0.98 (0.82, 1.14)	0.96 (0.80, 1.12)	1.0	0.70 (0.52, 0.90)	1.44 (1.26, 1.63)	0.98 (0.76, 1.21)
τ_R	8.0	0.80 (0.79, 0.81)	0.80 (0.79, 0.81)	0.80 (0.79, 0.81)	8.0	0.80 (0.79, 0.81)	0.80 (0.79, 0.81)	0.80 (0.79, 0.81)	8.0	0.80 (0.80, 0.81)	0.80 (0.79, 0.81)	0.80 (0.79, 0.81)
τ_S	6.0	0.60 (0.59, 0.61)	0.57 (0.56, 0.58)	0.60 (0.59, 0.61)	6.0	0.52 (0.51, 0.53)	0.60 (0.59, 0.62)	0.60 (0.59, 0.62)	6.0	0.52 (0.51, 0.52)	0.58 (0.56, 0.60)	0.60 (0.58, 0.62)
τ_T	4.0	0.40 (0.39, 0.41)	0.41 (0.40, 0.42)	0.40 (0.39, 0.41)	4.0	0.41 (0.40, 0.42)	0.40 (0.39, 0.41)	0.40 (0.39, 0.41)	4.0	0.40 (0.39, 0.41)	0.41 (0.40, 0.42)	0.40 (0.39, 0.41)
τ_X	3.0	0.30 (0.29, 0.32)	0.27 (0.26, 0.29)	0.30 (0.29, 0.32)	3.0	0.30 (0.28, 0.32)	0.30 (0.28, 0.32)	0.30 (0.29, 0.32)	3.0	0.29 (0.28, 0.30)	0.28 (0.27, 0.30)	0.30 (0.29, 0.31)
φ_X	n/a	n/a	0.13 (0.11, 0.16)	0.01 (0.00, 0.01)	0.2	n/a	0.20 (0.17, 0.23)	0.20 (0.17, 0.23)	0.2	n/a	0.36 (0.32, 0.40)	0.20 (0.17, 0.23)
φ_Y	0.2	0.20 (0.18, 0.23)	n/a	0.20 (0.18, 0.22)	n/a	0.13 (0.10, 0.16)	n/a	0.01 (0.00, 0.01)	0.2	0.33 (0.29, 0.37)	n/a	0.21 (0.17, 0.24)

Note.— Θ_I, Θ_O, and Θ_B denote the true parameter values in the true model, while $\hat{\Theta}_I$, $\hat{\Theta}_O$ and $\hat{\Theta}_B$ are estimates (fig. 5). Each dataset consists of $L = 4000$ loci, with $n = 4$ sequences per species per locus and $N = 500$ sites in the sequence. Values of τ and θ are multiplied by 100. Results for all data sizes with $L = 250, 1000$ or 4000 loci are shown in figure 6.

Table S3. (4s-diff-θ) Average posterior means and 95% HPD CIs for parameters over 100 replicate datasets of $L = 4000$ loci simulated and analyzed under the I, O, and B models of figure 5 with different population sizes

	Model I				Model O				Model B			
	Θ_I	$\hat{\Theta}_I$	$\hat{\Theta}_O$	$\hat{\Theta}_B$	Θ_O	$\hat{\Theta}_I$	$\hat{\Theta}_O$	$\hat{\Theta}_B$	Θ_B	$\hat{\Theta}_I$	$\hat{\Theta}_O$	$\hat{\Theta}_B$
θ_A	0.2	0.20 (0.19, 0.21)	0.19 (0.18, 0.19)	0.20 (0.19, 0.21)	0.2	0.20 (0.19, 0.21)	0.20 (0.19, 0.21)	0.20 (0.19, 0.21)	0.2	0.20 (0.19, 0.20)	0.19 (0.18, 0.20)	0.20 (0.19, 0.21)
θ_B	1.0	1.00 (0.97, 1.03)	1.06 (1.03, 1.10)	1.00 (0.97, 1.03)	1.0	1.00 (0.97, 1.03)	1.00 (0.97, 1.03)	1.00 (0.97, 1.03)	1.0	1.00 (0.96, 1.03)	1.04 (1.01, 1.07)	1.00 (0.97, 1.03)
θ_C	1.0	1.00 (0.97, 1.03)	0.99 (0.96, 1.01)	1.00 (0.97, 1.03)	1.0	1.00 (0.97, 1.03)	1.00 (0.97, 1.03)	1.00 (0.97, 1.03)	1.0	1.00 (0.97, 1.03)	0.99 (0.96, 1.01)	1.00 (0.97, 1.03)
θ_D	1.0	1.00 (0.97, 1.02)	1.00 (0.97, 1.02)	1.00 (0.97, 1.02)	1.0	1.00 (0.97, 1.02)	1.00 (0.98, 1.02)	1.00 (0.98, 1.02)	1.0	1.00 (0.97, 1.02)	1.00 (0.97, 1.02)	1.00 (0.97, 1.02)
θ_R	0.2	0.20 (0.18, 0.22)	0.20 (0.19, 0.22)	0.20 (0.18, 0.22)	0.2	0.19 (0.18, 0.21)	0.20 (0.18, 0.22)	0.20 (0.18, 0.22)	0.2	0.19 (0.17, 0.21)	0.20 (0.18, 0.22)	0.20 (0.18, 0.22)
θ_S	0.2	0.20 (0.19, 0.21)	0.17 (0.16, 0.19)	0.20 (0.18, 0.21)	0.2	0.24 (0.22, 0.25)	0.20 (0.18, 0.22)	0.20 (0.18, 0.22)	0.2	0.25 (0.23, 0.26)	0.18 (0.16, 0.20)	0.20 (0.18, 0.22)
θ_T	1.0	1.00 (0.91, 1.09)	1.11 (0.99, 1.23)	0.99 (0.90, 1.08)	1.0	1.08 (0.97, 1.19)	1.00 (0.91, 1.10)	1.00 (0.90, 1.09)	1.0	1.12 (1.00, 1.25)	1.14 (1.01, 1.27)	1.00 (0.90, 1.11)
θ_X	0.2	0.20 (0.17, 0.24)	0.17 (0.07, 0.28)	0.19 (0.16, 0.23)	0.2	0.85 (0.59, 1.14)	0.22 (0.11, 0.33)	0.24 (0.12, 0.37)	0.2	0.48 (0.41, 0.56)	0.20 (0.05, 0.36)	0.22 (0.15, 0.29)
θ_Y	1.0	0.99 (0.78, 1.23)	0.89 (0.78, 1.00)	1.01 (0.78, 1.25)	1.0	0.64 (0.41, 0.86)	0.99 (0.82, 1.17)	0.98 (0.80, 1.16)	1.0	0.71 (0.56, 0.86)	1.03 (0.91, 1.15)	0.96 (0.75, 1.19)
τ_R	8.0	0.80 (0.79, 0.81)	0.80 (0.79, 0.81)	0.80 (0.79, 0.81)	8.0	0.80 (0.79, 0.81)	0.80 (0.79, 0.81)	0.80 (0.79, 0.81)	8.0	0.81 (0.80, 0.82)	0.80 (0.79, 0.81)	0.80 (0.79, 0.81)
τ_S	6.0	0.60 (0.59, 0.61)	0.63 (0.62, 0.64)	0.60 (0.59, 0.61)	6.0	0.57 (0.56, 0.58)	0.60 (0.59, 0.61)	0.60 (0.59, 0.61)	6.0	0.57 (0.56, 0.58)	0.62 (0.61, 0.63)	0.60 (0.59, 0.61)
τ_T	4.0	0.40 (0.39, 0.41)	0.41 (0.40, 0.42)	0.40 (0.39, 0.41)	4.0	0.39 (0.38, 0.40)	0.40 (0.39, 0.41)	0.40 (0.39, 0.41)	4.0	0.39 (0.38, 0.40)	0.41 (0.40, 0.42)	0.40 (0.39, 0.41)
τ_X	3.0	0.30 (0.29, 0.31)	0.30 (0.29, 0.30)	0.30 (0.29, 0.31)	3.0	0.33 (0.31, 0.35)	0.30 (0.28, 0.32)	0.30 (0.28, 0.33)	3.0	0.28 (0.27, 0.29)	0.29 (0.28, 0.30)	0.30 (0.29, 0.31)
φ_X	n/a	n/a	0.55 (0.51, 0.59)	0.01 (0.00, 0.02)	0.2	n/a	0.20 (0.16, 0.24)	0.20 (0.15, 0.24)	0.2	n/a	0.63 (0.59, 0.67)	0.19 (0.15, 0.24)
φ_Y	0.2	0.20 (0.19, 0.22)	n/a	0.20 (0.18, 0.22)	n/a	0.10 (0.07, 0.14)	n/a	0.00 (0.00, 0.01)	0.2	0.27 (0.24, 0.30)	n/a	0.20 (0.18, 0.23)

Note.— Results for all data sizes with $L = 250, 1000$ or 4000 loci are in figure S4. See legend to table S2.

Table S4. **Numbers of coding and noncoding loci on each chromosome from the genomic data of *Heliconius* butterflies (fig. 7)**

	Number of loci			Number of loci	
Chr	Coding	Noncoding	Chr	Coding	Noncoding
1	4942	5341	12	5242	4962
2	2902	2534	13	4201	5361
3	2349	3113	14	2480	2629
4	1998	2839	15	2719	2920
5	2316	2901	16	2126	3002
6	3922	4167	17	4380	4390
7	3717	4301	18	3601	5068
8	2877	2706	19	4519	4929
9	1957	2554	20	4659	4505
10	5172	5540	21	3078	3275
11	4074	3541			

Table S5. Posterior means and 95% HPD CIs for parameters in analyses of the coding and noncoding data on each on each chromosome from Heliconius under four models (I, O, B, 0)

region	variable	chr	model 0	model I	model O	model B
coding	phi_c<-m	1	n/a	n/a	0.13595 (0.07830, 0.19593)	0.00728 (0.00000, 0.01937)
coding	phi_c<-m	2	n/a	n/a	0.10401 (0.00518, 0.20372)	0.00698 (0.00000, 0.02301)
coding	phi_c<-m	3	n/a	n/a	0.09711 (0.00000, 0.19803)	0.01299 (0.00000, 0.03940)
coding	phi_c<-m	4	n/a	n/a	0.32695 (0.23205, 0.42542)	0.02137 (0.00000, 0.06803)
coding	phi_c<-m	5	n/a	n/a	0.31102 (0.15996, 0.46466)	0.04204 (0.00000, 0.11832)
coding	phi_c<-m	6	n/a	n/a	0.02639 (0.01151, 0.04218)	0.00282 (0.00000, 0.00841)
coding	phi_c<-m	7	n/a	n/a	0.07025 (0.03707, 0.10610)	0.00466 (0.00000, 0.01384)
coding	phi_c<-m	8	n/a	n/a	0.24908 (0.12407, 0.38234)	0.03137 (0.00000, 0.09080)
coding	phi_c<-m	9	n/a	n/a	0.15048 (0.06718, 0.24245)	0.01214 (0.00000, 0.03687)
coding	phi_c<-m	10	n/a	n/a	0.04167 (0.00897, 0.07984)	0.00385 (0.00000, 0.01195)
coding	phi_c<-m	11	n/a	n/a	0.13773 (0.00000, 0.27510)	0.05520 (0.00000, 0.12933)
coding	phi_c<-m	12	n/a	n/a	0.10137 (0.05642, 0.15020)	0.00280 (0.00000, 0.00854)
coding	phi_c<-m	13	n/a	n/a	0.19206 (0.00170, 0.35201)	0.00368 (0.00000, 0.01103)
coding	phi_c<-m	14	n/a	n/a	0.18839 (0.10709, 0.27442)	0.02302 (0.00000, 0.06167)
coding	phi_c<-m	15	n/a	n/a	0.15730 (0.07160, 0.24443)	0.01089 (0.00000, 0.03315)
coding	phi_c<-m	16	n/a	n/a	0.15124 (0.04559, 0.25918)	0.01604 (0.00000, 0.04759)
coding	phi_c<-m	17	n/a	n/a	0.07873 (0.03629, 0.12391)	0.00526 (0.00000, 0.01598)
coding	phi_c<-m	18	n/a	n/a	0.05697 (0.01679, 0.10592)	0.00450 (0.00000, 0.01417)
coding	phi_c<-m	19	n/a	n/a	0.11574 (0.07158, 0.16181)	0.00368 (0.00000, 0.01101)
coding	phi_c<-m	20	n/a	n/a	0.17410 (0.11990, 0.23178)	0.00442 (0.00000, 0.01314)
coding	phi_c<-m	21	n/a	n/a	0.32184 (0.03771, 0.73888)	0.21998 (1e-05, 0.46760)
coding	phi_m<-c	1	n/a	0.51186 (0.47796, 0.54512)	n/a	0.50635 (0.47215, 0.54122)
coding	phi_m<-c	2	n/a	0.44214 (0.37537, 0.50479)	n/a	0.43340 (0.36168, 0.50215)
coding	phi_m<-c	3	n/a	0.53862 (0.49402, 0.58446)	n/a	0.53205 (0.48471, 0.57871)
coding	phi_m<-c	4	n/a	0.61804 (0.54779, 0.68624)	n/a	0.60871 (0.53344, 0.68180)
coding	phi_m<-c	5	n/a	0.64934 (0.60737, 0.69024)	n/a	0.63273 (0.58153, 0.68286)
coding	phi_m<-c	6	n/a	0.31478 (0.25730, 0.37125)	n/a	0.31434 (0.25751, 0.37057)
coding	phi_m<-c	7	n/a	0.36471 (0.29479, 0.43596)	n/a	0.36202 (0.29172, 0.43635)
coding	phi_m<-c	8	n/a	0.57075 (0.52290, 0.61786)	n/a	0.55627 (0.50236, 0.61042)
coding	phi_m<-c	9	n/a	0.42973 (0.36364, 0.49511)	n/a	0.42014 (0.35121, 0.48919)
coding	phi_m<-c	10	n/a	0.35374 (0.31396, 0.39535)	n/a	0.34945 (0.30794, 0.38953)
coding	phi_m<-c	11	n/a	0.57341 (0.52109, 0.62511)	n/a	0.55867 (0.49750, 0.61703)
coding	phi_m<-c	12	n/a	0.43233 (0.39791, 0.46749)	n/a	0.43003 (0.39574, 0.46513)
coding	phi_m<-c	13	n/a	0.50965 (0.47918, 0.54042)	n/a	0.50716 (0.47612, 0.53798)
coding	phi_m<-c	14	n/a	0.60629 (0.55528, 0.65595)	n/a	0.58971 (0.53162, 0.64775)
coding	phi_m<-c	15	n/a	0.38112 (0.30490, 0.45615)	n/a	0.37450 (0.29840, 0.45188)
coding	phi_m<-c	16	n/a	0.37992 (0.30787, 0.45231)	n/a	0.36485 (0.28621, 0.44099)
coding	phi_m<-c	17	n/a	0.43471 (0.38625, 0.47959)	n/a	0.43317 (0.38500, 0.47858)
coding	phi_m<-c	18	n/a	0.34645 (0.29424, 0.39884)	n/a	0.34210 (0.28814, 0.39392)
coding	phi_m<-c	19	n/a	0.39945 (0.35239, 0.44644)	n/a	0.39614 (0.34771, 0.44371)
coding	phi_m<-c	20	n/a	0.42325 (0.38233, 0.46396)	n/a	0.41928 (0.37683, 0.46020)
coding	phi_m<-c	21	n/a	0.30713 (0.03269, 0.73111)	n/a	0.31246 (1e-05, 0.87233)
coding	tau_4r	1	0.00487 (0.00472, 0.00501)	0.00489 (0.00474, 0.00504)	0.00480 (0.00465, 0.00495)	0.00489 (0.00474, 0.00503)
coding	tau_4r	2	0.00644 (0.00620, 0.00667)	0.00638 (0.00614, 0.00661)	0.00636 (0.00613, 0.00660)	0.00638 (0.00613, 0.00660)
coding	tau_4r	3	0.00593 (0.00570, 0.00616)	0.00600 (0.00576, 0.00623)	0.00584 (0.00561, 0.00607)	0.00600 (0.00576, 0.00623)
coding	tau_4r	4	0.00595 (0.00569, 0.00619)	0.00596 (0.00571, 0.00620)	0.00590 (0.00564, 0.00614)	0.00596 (0.00570, 0.00620)
coding	tau_4r	5	0.00579 (0.00557, 0.00602)	0.00589 (0.00567, 0.00611)	0.00579 (0.00556, 0.00601)	0.00589 (0.00567, 0.00611)
coding	tau_4r	6	0.00551 (0.00533, 0.00569)	0.00548 (0.00529, 0.00565)	0.00543 (0.00525, 0.00561)	0.00548 (0.00530, 0.00565)
coding	tau_4r	7	0.00532 (0.00514, 0.00549)	0.00528 (0.00510, 0.00545)	0.00526 (0.00508, 0.00543)	0.00528 (0.00510, 0.00545)
coding	tau_4r	8	0.00549 (0.00528, 0.00569)	0.00554 (0.00534, 0.00574)	0.00546 (0.00525, 0.00566)	0.00554 (0.00533, 0.00573)
coding	tau_4r	9	0.00601 (0.00575, 0.00627)	0.00597 (0.00572, 0.00623)	0.00595 (0.00568, 0.00621)	0.00597 (0.00570, 0.00622)
coding	tau_4r	10	0.00542 (0.00525, 0.00557)	0.00540 (0.00524, 0.00556)	0.00535 (0.00519, 0.00551)	0.00540 (0.00524, 0.00556)
coding	tau_4r	11	0.00494 (0.00478, 0.00511)	0.00496 (0.00479, 0.00512)	0.00492 (0.00475, 0.00509)	0.00496 (0.00478, 0.00512)
coding	tau_4r	12	0.00529 (0.00513, 0.00545)	0.00533 (0.00517, 0.00549)	0.00518 (0.00501, 0.00533)	0.00533 (0.00517, 0.00549)
coding	tau_4r	13	0.00516 (0.00499, 0.00532)	0.00528 (0.00511, 0.00543)	0.00516 (0.00499, 0.00532)	0.00528 (0.00511, 0.00544)
coding	tau_4r	14	0.00654 (0.00630, 0.00677)	0.00656 (0.00632, 0.00679)	0.00647 (0.00624, 0.00671)	0.00655 (0.00632, 0.00679)
coding	tau_4r	15	0.00542 (0.00521, 0.00562)	0.00542 (0.00521, 0.00562)	0.00538 (0.00517, 0.00558)	0.00542 (0.00521, 0.00562)
coding	tau_4r	16	0.00586 (0.00562, 0.00610)	0.00582 (0.00557, 0.00605)	0.00581 (0.00557, 0.00605)	0.00582 (0.00558, 0.00605)
coding	tau_4r	17	0.00507 (0.00492, 0.00523)	0.00514 (0.00498, 0.00530)	0.00502 (0.00486, 0.00518)	0.00514 (0.00497, 0.00529)
coding	tau_4r	18	0.00492 (0.00474, 0.00509)	0.00493 (0.00475, 0.00510)	0.00489 (0.00472, 0.00506)	0.00493 (0.00475, 0.00510)
coding	tau_4r	19	0.00546 (0.00530, 0.00562)	0.00545 (0.00529, 0.00561)	0.00543 (0.00526, 0.00559)	0.00545 (0.00530, 0.00561)
coding	tau_4r	20	0.00503 (0.00488, 0.00519)	0.00504 (0.00489, 0.00519)	0.00499 (0.00484, 0.00514)	0.00504 (0.00489, 0.00519)
coding	tau_4r	21	0.00467 (0.00442, 0.00493)	0.00470 (0.00447, 0.00493)	0.00470 (0.00447, 0.00492)	0.00471 (0.00448, 0.00493)
coding	tau_5cm	1	0.00089 (8e-04, 0.00098)	0.00472 (0.00448, 0.00494)	0.00170 (0.00149, 0.00191)	0.00471 (0.00448, 0.00493)
coding	tau_5cm	2	6e-05 (2e-05, 1e-04)	0.00559 (0.00486, 0.00629)	0.00284 (0.00227, 0.00339)	0.00556 (0.00479, 0.00629)
coding	tau_5cm	3	0.00075 (0.00057, 0.00094)	0.00583 (0.00546, 0.00618)	0.00194 (0.00161, 0.00228)	0.00583 (0.00545, 0.00617)

coding	tau_5cm	4	0.00107 (0.00089, 0.00125)	0.00551 (0.00486, 0.00608)	0.00282 (0.00232, 0.00334)	0.00552 (0.00483, 0.00607)
coding	tau_5cm	5	0.00112 (0.00095, 0.00128)	0.00580 (0.00550, 0.00607)	0.00209 (0.00156, 0.00263)	0.00580 (0.00551, 0.00607)
coding	tau_5cm	6	0.00142 (0.00126, 0.00158)	0.00483 (0.00431, 0.00532)	0.00277 (0.00252, 0.00302)	0.00485 (0.00435, 0.00534)
coding	tau_5cm	7	0.00124 (0.00111, 0.00137)	0.00409 (0.00351, 0.00472)	0.00218 (0.00196, 0.00240)	0.00411 (0.00350, 0.00472)
coding	tau_5cm	8	0.00144 (0.00127, 0.00160)	0.00541 (0.00508, 0.00570)	0.00223 (0.00160, 0.00281)	0.00541 (0.00508, 0.00571)
coding	tau_5cm	9	7e-05 (2e-05, 0.00012)	0.00538 (0.00472, 0.00596)	0.00305 (0.00251, 0.00355)	0.00539 (0.00473, 0.00596)
coding	tau_5cm	10	0.00178 (0.00161, 0.00195)	0.00482 (0.00439, 0.00521)	0.00252 (0.00226, 0.00277)	0.00480 (0.00438, 0.00521)
coding	tau_5cm	11	0.00109 (0.00097, 0.00121)	0.00472 (0.00433, 0.00505)	0.00133 (0.00109, 0.00160)	0.00474 (0.00436, 0.00507)
coding	tau_5cm	12	0.00093 (0.00082, 0.00105)	0.00518 (0.00492, 0.00541)	0.00235 (0.00209, 0.00260)	0.00517 (0.00492, 0.00540)
coding	tau_5cm	13	0.00160 (0.00148, 0.00172)	0.00521 (0.00499, 0.00541)	0.00161 (0.00146, 0.00176)	0.00521 (0.00500, 0.00541)
coding	tau_5cm	14	0.00081 (0.00065, 0.00098)	0.00628 (0.00575, 0.00671)	0.00232 (0.00193, 0.00270)	0.00627 (0.00572, 0.00671)
coding	tau_5cm	15	0.00179 (0.00161, 0.00197)	0.00476 (0.00418, 0.00531)	0.00278 (0.00241, 0.00314)	0.00477 (0.00418, 0.00532)
coding	tau_5cm	16	1e-04 (3e-05, 0.00016)	0.00473 (0.00398, 0.00545)	0.00260 (0.00216, 0.00303)	0.00469 (0.00395, 0.00543)
coding	tau_5cm	17	0.00168 (0.00155, 0.00181)	0.00500 (0.00472, 0.00525)	0.00239 (0.00217, 0.00260)	0.00500 (0.00473, 0.00525)
coding	tau_5cm	18	0.00184 (0.00165, 0.00205)	0.00416 (0.00369, 0.00462)	0.00229 (0.00202, 0.00256)	0.00415 (0.00368, 0.00463)
coding	tau_5cm	19	0.00172 (0.00160, 0.00184)	0.00507 (0.00471, 0.00541)	0.00266 (0.00240, 0.00292)	0.00508 (0.00471, 0.00541)
coding	tau_5cm	20	0.00150 (0.00138, 0.00162)	0.00476 (0.00445, 0.00504)	0.00239 (0.00209, 0.00267)	0.00476 (0.00445, 0.00504)
coding	tau_5cm	21	0.00362 (0.00324, 0.00398)	0.00430 (0.00392, 0.00464)	0.00432 (0.00392, 0.00468)	0.00436 (0.00399, 0.00472)
coding	tau_6c	1	n/a	0.00052 (0.00042, 0.00061)	0.00021 (8e-05, 0.00033)	0.00053 (0.00043, 0.00062)
coding	tau_6c	2	n/a	4e-05 (3e-05, 6e-05)	2e-05 (0.00000, 4e-05)	4e-05 (2e-05, 7e-05)
coding	tau_6c	3	n/a	0.00043 (0.00028, 0.00058)	8e-05 (0.00000, 0.00016)	0.00045 (0.00029, 6e-04)
coding	tau_6c	4	n/a	8e-04 (0.00058, 0.00101)	0.00022 (4e-05, 0.00042)	0.00083 (6e-04, 0.00106)
coding	tau_6c	5	n/a	0.00099 (0.00082, 0.00114)	0.00044 (0.00000, 0.00077)	0.00104 (0.00086, 0.00123)
coding	tau_6c	6	n/a	0.00042 (0.00029, 0.00055)	6e-05 (1e-05, 0.00012)	0.00043 (3e-04, 0.00056)
coding	tau_6c	7	n/a	4e-04 (0.00025, 0.00056)	1e-04 (2e-05, 0.00019)	0.00041 (0.00025, 0.00058)
coding	tau_6c	8	n/a	0.00106 (0.00088, 0.00123)	0.00073 (0.00042, 0.00107)	0.00110 (0.00091, 0.00128)
coding	tau_6c	9	n/a	3e-05 (2e-05, 5e-05)	2e-05 (0.00000, 4e-05)	4e-05 (2e-05, 7e-05)
coding	tau_6c	10	n/a	5e-05 (2e-05, 7e-05)	1e-05 (0.00000, 3e-05)	5e-05 (2e-05, 6e-05)
coding	tau_6c	11	n/a	0.00072 (0.00058, 0.00086)	6e-04 (0.00037, 0.00083)	0.00081 (0.00062, 0.00099)
coding	tau_6c	12	n/a	0.00041 (0.00031, 0.00051)	0.00013 (4e-05, 0.00022)	0.00041 (0.00031, 0.00051)
coding	tau_6c	13	n/a	0.00115 (0.00103, 0.00128)	0.00147 (0.00132, 0.00160)	0.00116 (0.00103, 0.00128)
coding	tau_6c	14	n/a	0.00058 (0.00041, 0.00074)	8e-05 (1e-05, 0.00016)	6e-04 (0.00042, 0.00077)
coding	tau_6c	15	n/a	0.00094 (0.00069, 0.00118)	0.00064 (0.00039, 0.00088)	0.00096 (0.00071, 0.00120)
coding	tau_6c	16	n/a	3e-05 (1e-05, 6e-05)	2e-05 (0.00000, 4e-05)	4e-05 (2e-05, 7e-05)
coding	tau_6c	17	n/a	0.00098 (8e-04, 0.00115)	4e-04 (0.00022, 0.00057)	0.00100 (0.00082, 0.00117)
coding	tau_6c	18	n/a	3e-05 (1e-05, 5e-05)	1e-05 (0.00000, 3e-05)	3e-05 (2e-05, 6e-05)
coding	tau_6c	19	n/a	0.00091 (0.00075, 0.00106)	6e-04 (4e-04, 8e-04)	0.00091 (0.00076, 0.00107)
coding	tau_6c	20	n/a	0.00082 (0.00069, 0.00094)	0.00065 (0.00049, 0.00082)	0.00082 (0.00069, 0.00095)
coding	tau_6c	21	n/a	9e-04 (6e-05, 0.00172)	0.00092 (6e-05, 0.00174)	0.00106 (0.00019, 0.00191)
coding	tau_7m	1	n/a	0.00052 (0.00042, 0.00061)	0.00021 (8e-05, 0.00033)	0.00053 (0.00043, 0.00062)
coding	tau_7m	2	n/a	4e-05 (3e-05, 6e-05)	2e-05 (0.00000, 4e-05)	4e-05 (2e-05, 7e-05)
coding	tau_7m	3	n/a	0.00043 (0.00028, 0.00058)	8e-05 (0.00000, 0.00016)	0.00045 (0.00029, 6e-04)
coding	tau_7m	4	n/a	8e-04 (0.00058, 0.00101)	0.00022 (4e-05, 0.00042)	0.00083 (6e-04, 0.00106)
coding	tau_7m	5	n/a	0.00099 (0.00082, 0.00114)	0.00044 (0.00000, 0.00077)	0.00104 (0.00086, 0.00123)
coding	tau_7m	6	n/a	0.00042 (0.00029, 0.00055)	6e-05 (1e-05, 0.00012)	0.00043 (3e-04, 0.00056)
coding	tau_7m	7	n/a	4e-04 (0.00025, 0.00056)	1e-04 (2e-05, 0.00019)	0.00041 (0.00025, 0.00058)
coding	tau_7m	8	n/a	0.00106 (0.00088, 0.00123)	0.00073 (0.00042, 0.00107)	0.00110 (0.00091, 0.00128)
coding	tau_7m	9	n/a	3e-05 (2e-05, 5e-05)	2e-05 (0.00000, 4e-05)	4e-05 (2e-05, 7e-05)
coding	tau_7m	10	n/a	5e-05 (2e-05, 7e-05)	1e-05 (0.00000, 3e-05)	5e-05 (2e-05, 6e-05)
coding	tau_7m	11	n/a	0.00072 (0.00058, 0.00086)	6e-04 (0.00037, 0.00083)	0.00081 (0.00062, 0.00099)
coding	tau_7m	12	n/a	0.00041 (0.00031, 0.00051)	0.00013 (4e-05, 0.00022)	0.00041 (0.00031, 0.00051)
coding	tau_7m	13	n/a	0.00115 (0.00103, 0.00128)	0.00147 (0.00132, 0.00160)	0.00116 (0.00103, 0.00128)
coding	tau_7m	14	n/a	0.00058 (0.00041, 0.00074)	8e-05 (1e-05, 0.00016)	6e-04 (0.00042, 0.00077)
coding	tau_7m	15	n/a	0.00094 (0.00069, 0.00118)	0.00064 (0.00039, 0.00088)	0.00096 (0.00071, 0.00120)
coding	tau_7m	16	n/a	3e-05 (1e-05, 6e-05)	2e-05 (0.00000, 4e-05)	4e-05 (2e-05, 7e-05)
coding	tau_7m	17	n/a	0.00098 (8e-04, 0.00115)	4e-04 (0.00022, 0.00057)	0.00100 (0.00082, 0.00117)
coding	tau_7m	18	n/a	3e-05 (1e-05, 5e-05)	1e-05 (0.00000, 3e-05)	3e-05 (2e-05, 6e-05)
coding	tau_7m	19	n/a	0.00091 (0.00075, 0.00106)	6e-04 (4e-04, 8e-04)	0.00091 (0.00076, 0.00107)
coding	tau_7m	20	n/a	0.00082 (0.00069, 0.00094)	0.00065 (0.00049, 0.00082)	0.00082 (0.00069, 0.00095)
coding	tau_7m	21	n/a	9e-04 (6e-05, 0.00172)	0.00092 (6e-05, 0.00174)	0.00106 (0.00019, 0.00191)
coding	theta_1Cyd	1	0.00541 (0.00482, 0.00600)	0.03614 (0.02031, 0.05447)	0.03068 (0.01327, 0.05128)	0.03630 (0.02036, 0.05526)
coding	theta_1Cyd	2	0.00305 (0.00079, 0.00581)	0.02116 (0.00691, 0.03807)	0.01516 (0.00309, 0.03058)	0.02142 (0.00686, 0.03878)
coding	theta_1Cyd	3	0.00756 (0.00586, 0.00930)	0.03671 (0.01890, 0.05630)	0.01949 (0.00485, 0.03696)	0.03719 (0.01957, 0.05754)
coding	theta_1Cyd	4	0.01213 (0.00958, 0.01494)	0.03092 (0.01828, 0.04606)	0.01691 (0.00489, 0.03145)	0.03045 (0.01805, 0.04530)
coding	theta_1Cyd	5	0.01497 (0.01182, 0.01826)	0.04031 (0.02528, 0.05708)	0.02309 (0.00876, 0.03969)	0.03875 (0.02465, 0.05517)
coding	theta_1Cyd	6	0.00634 (0.00569, 0.00700)	0.02216 (0.01135, 0.03584)	0.01748 (0.00383, 0.03402)	0.02197 (0.01149, 0.03605)
coding	theta_1Cyd	7	0.00635 (0.00565, 0.00706)	0.02525 (0.01256, 0.04130)	0.02073 (0.00643, 0.03793)	0.02515 (0.01253, 0.04087)
coding	theta_1Cyd	8	0.00986 (0.00851, 0.01122)	0.02481 (0.01638, 0.03463)	0.02886 (0.01426, 0.04621)	0.02429 (0.01634, 0.03390)

coding	theta_1Cyd	9	0.00205 (0.00062, 0.00370)	0.01716 (0.00455, 0.03319)	0.01330 (0.00180, 0.02795)	0.01766 (0.00434, 0.03352)
coding	theta_1Cyd	10	0.00809 (0.00738, 0.00883)	0.02067 (0.00692, 0.03769)	0.01412 (0.00238, 0.02876)	0.02066 (0.00632, 0.03765)
coding	theta_1Cyd	11	0.00701 (0.00616, 0.00788)	0.02061 (0.01290, 0.03020)	0.03164 (0.01523, 0.05039)	0.01905 (0.01218, 0.02759)
coding	theta_1Cyd	12	0.00604 (0.00535, 0.00675)	0.03885 (0.02192, 0.05835)	0.02481 (0.00907, 0.04254)	0.03883 (0.02215, 0.05819)
coding	theta_1Cyd	13	0.00865 (0.00780, 0.00954)	0.03277 (0.02183, 0.04578)	0.04362 (0.02573, 0.06303)	0.03266 (0.02174, 0.04561)
coding	theta_1Cyd	14	0.01072 (0.00840, 0.01311)	0.03499 (0.01983, 0.05264)	0.01957 (0.00511, 0.03659)	0.03497 (0.01986, 0.05259)
coding	theta_1Cyd	15	0.01060 (0.00934, 0.01194)	0.03324 (0.01989, 0.04887)	0.03394 (0.01825, 0.05208)	0.03313 (0.01949, 0.04864)
coding	theta_1Cyd	16	0.00188 (0.00072, 0.00308)	0.01599 (0.00380, 0.03141)	0.01388 (0.00233, 0.02905)	0.01651 (0.00411, 0.03210)
coding	theta_1Cyd	17	0.00613 (0.00562, 0.00664)	0.01626 (0.01173, 0.02148)	0.03195 (0.01645, 0.05032)	0.01617 (0.01166, 0.02126)
coding	theta_1Cyd	18	0.00739 (0.00666, 0.00815)	0.01579 (0.00347, 0.03163)	0.01300 (0.00173, 0.02773)	0.01555 (0.00372, 0.03125)
coding	theta_1Cyd	19	0.00763 (0.00699, 0.00828)	0.02235 (0.01546, 0.03059)	0.02683 (0.01549, 0.04090)	0.02234 (0.01546, 0.03065)
coding	theta_1Cyd	20	0.00713 (0.00648, 0.00778)	0.03460 (0.02043, 0.05104)	0.03804 (0.02098, 0.05742)	0.03471 (0.02069, 0.05138)
coding	theta_2Mel	1	0.00160 (0.00145, 0.00176)	0.00096 (8e-04, 0.00110)	0.00052 (0.00026, 0.00077)	0.00096 (0.00081, 0.00111)
coding	theta_2Mel	2	3e-05 (1e-05, 5e-05)	2e-05 (1e-05, 3e-05)	1e-05 (0.00000, 2e-05)	2e-05 (1e-05, 3e-05)
coding	theta_2Mel	3	0.00155 (0.00120, 0.00190)	0.00088 (0.00059, 0.00117)	0.00021 (2e-05, 4e-04)	0.00091 (0.00061, 0.00120)
coding	theta_2Mel	4	0.00417 (0.00348, 0.00489)	0.00307 (0.00236, 0.00380)	0.00163 (0.00045, 0.00284)	0.00312 (0.00240, 0.00383)
coding	theta_2Mel	5	0.00895 (0.00746, 0.01050)	0.00725 (0.00601, 0.00856)	0.01316 (0.00566, 0.02343)	0.00723 (0.00605, 0.00847)
coding	theta_2Mel	6	0.00108 (0.00098, 0.00118)	0.00043 (0.00032, 0.00054)	9e-05 (2e-05, 0.00018)	0.00044 (0.00033, 0.00055)
coding	theta_2Mel	7	0.00182 (0.00164, 0.00199)	0.00075 (0.00052, 0.00098)	0.00027 (8e-05, 0.00047)	0.00076 (0.00052, 0.00100)
coding	theta_2Mel	8	0.00461 (0.00408, 0.00516)	0.00335 (0.00285, 0.00383)	0.00327 (0.00236, 0.00418)	0.00340 (0.00291, 0.00391)
coding	theta_2Mel	9	4e-05 (1e-05, 6e-05)	2e-05 (1e-05, 3e-05)	1e-05 (0.00000, 2e-05)	2e-05 (1e-05, 4e-05)
coding	theta_2Mel	10	0.00016 (0.00014, 0.00018)	2e-05 (1e-05, 2e-05)	0.00000 (0.00000, 1e-05)	2e-05 (1e-05, 2e-05)
coding	theta_2Mel	11	0.00344 (0.00306, 0.00381)	0.00227 (0.00189, 0.00265)	0.00223 (0.00158, 0.00290)	0.00241 (0.00199, 0.00284)
coding	theta_2Mel	12	0.00123 (0.00109, 0.00137)	0.00058 (0.00045, 0.00071)	0.00024 (9e-05, 0.00038)	0.00059 (0.00046, 0.00071)
coding	theta_2Mel	13	0.00561 (0.00512, 0.00610)	0.00423 (0.00378, 0.00467)	0.00540 (0.00488, 0.00596)	0.00423 (0.00379, 0.00468)
coding	theta_2Mel	14	0.00163 (0.00132, 0.00192)	0.00115 (0.00085, 0.00145)	0.00023 (5e-05, 0.00044)	0.00118 (0.00087, 0.00149)
coding	theta_2Mel	15	0.00387 (0.00347, 0.00425)	0.00240 (0.00194, 0.00286)	0.00192 (0.00137, 0.00248)	0.00243 (0.00197, 0.00287)
coding	theta_2Mel	16	9e-05 (3e-05, 0.00014)	3e-05 (1e-05, 5e-05)	2e-05 (0.00000, 4e-05)	3e-05 (1e-05, 6e-05)
coding	theta_2Mel	17	0.00306 (0.00282, 0.00330)	0.00191 (0.00162, 0.00217)	0.00107 (7e-04, 0.00145)	0.00192 (0.00164, 0.00218)
coding	theta_2Mel	18	9e-05 (5e-05, 0.00011)	1e-05 (0.00000, 2e-05)	0.00000 (0.00000, 1e-05)	1e-05 (1e-05, 2e-05)
coding	theta_2Mel	19	0.00304 (0.00282, 0.00326)	0.00193 (0.00168, 0.00217)	0.00171 (0.00134, 0.00209)	0.00194 (0.00169, 0.00218)
coding	theta_2Mel	20	0.00282 (0.00260, 0.00304)	0.00175 (0.00154, 0.00197)	0.00168 (0.00137, 0.00198)	0.00176 (0.00153, 0.00197)
coding	theta_3Hec	1	0.00550 (0.00525, 0.00575)	0.00552 (0.00527, 0.00577)	0.00548 (0.00523, 0.00572)	0.00552 (0.00527, 0.00577)
coding	theta_3Hec	2	0.01101 (0.01035, 0.01169)	0.01106 (0.01041, 0.01174)	0.01107 (0.01039, 0.01175)	0.01106 (0.01039, 0.01173)
coding	theta_3Hec	3	0.00890 (0.00830, 0.00949)	0.00897 (0.00838, 0.00958)	0.00888 (0.00828, 0.00947)	0.00897 (0.00837, 0.00956)
coding	theta_3Hec	4	0.00967 (0.00895, 0.01037)	0.00970 (0.00898, 0.01042)	0.00967 (0.00895, 0.01038)	0.00969 (0.00898, 0.01040)
coding	theta_3Hec	5	0.00839 (0.00784, 0.00895)	0.00848 (0.00793, 0.00904)	0.00838 (0.00782, 0.00893)	0.00848 (0.00792, 0.00904)
coding	theta_3Hec	6	0.00668 (0.00635, 0.00702)	0.00667 (0.00633, 0.00700)	0.00666 (0.00632, 0.00699)	0.00667 (0.00634, 0.00701)
coding	theta_3Hec	7	0.00615 (0.00583, 0.00646)	0.00614 (0.00582, 0.00646)	0.00614 (0.00582, 0.00645)	0.00614 (0.00582, 0.00645)
coding	theta_3Hec	8	0.00872 (0.00819, 0.00927)	0.00876 (0.00823, 0.00931)	0.00870 (0.00817, 0.00924)	0.00877 (0.00823, 0.00931)
coding	theta_3Hec	9	0.01156 (0.01070, 0.01245)	0.01164 (0.01077, 0.01254)	0.01163 (0.01074, 0.01252)	0.01164 (0.01077, 0.01255)
coding	theta_3Hec	10	0.00582 (0.00556, 0.00607)	0.00581 (0.00556, 0.00607)	0.00580 (0.00554, 0.00605)	0.00581 (0.00556, 0.00606)
coding	theta_3Hec	11	0.00704 (0.00668, 0.00741)	0.00706 (0.00669, 0.00742)	0.00703 (0.00666, 0.00739)	0.00706 (0.00670, 0.00743)
coding	theta_3Hec	12	0.00691 (0.00660, 0.00722)	0.00695 (0.00664, 0.00726)	0.00686 (0.00655, 0.00717)	0.00695 (0.00664, 0.00726)
coding	theta_3Hec	13	0.00606 (0.00576, 0.00636)	0.00613 (0.00582, 0.00642)	0.00606 (0.00576, 0.00636)	0.00613 (0.00583, 0.00643)
coding	theta_3Hec	14	0.01038 (0.00971, 0.01104)	0.01041 (0.00974, 0.01107)	0.01038 (0.00972, 0.01105)	0.01041 (0.00975, 0.01107)
coding	theta_3Hec	15	0.00818 (0.00766, 0.00868)	0.00818 (0.00768, 0.00870)	0.00816 (0.00765, 0.00867)	0.00818 (0.00767, 0.00869)
coding	theta_3Hec	16	0.00920 (0.00856, 0.00984)	0.00927 (0.00864, 0.00994)	0.00927 (0.00864, 0.00994)	0.00927 (0.00864, 0.00993)
coding	theta_3Hec	17	0.00587 (0.00558, 0.00615)	0.00590 (0.00562, 0.00619)	0.00585 (0.00557, 0.00614)	0.00590 (0.00562, 0.00619)
coding	theta_3Hec	18	0.00582 (0.00550, 0.00613)	0.00581 (0.00550, 0.00612)	0.00581 (0.00549, 0.00611)	0.00581 (0.00550, 0.00612)
coding	theta_3Hec	19	0.00535 (0.00511, 0.00559)	0.00535 (0.00510, 0.00559)	0.00534 (0.00510, 0.00558)	0.00535 (0.00510, 0.00559)
coding	theta_3Hec	20	0.00516 (0.00492, 0.00539)	0.00517 (0.00493, 0.00541)	0.00515 (0.00491, 0.00538)	0.00517 (0.00493, 0.00541)
coding	theta_4r	1	0.00922 (0.00884, 0.00962)	0.00922 (0.00881, 0.00963)	0.00941 (0.00900, 0.00981)	0.00922 (0.00882, 0.00963)
coding	theta_4r	2	0.01300 (0.01235, 0.01363)	0.01335 (0.01269, 0.01404)	0.01338 (0.01270, 0.01404)	0.01335 (0.01267, 0.01402)
coding	theta_4r	3	0.01022 (0.00962, 0.01082)	0.01015 (0.00954, 0.01077)	0.01048 (0.00985, 0.01109)	0.01016 (0.00954, 0.01077)
coding	theta_4r	4	0.00972 (0.00909, 0.01038)	0.00977 (0.00911, 0.01043)	0.00989 (0.00923, 0.01056)	0.00977 (0.00911, 0.01043)
coding	theta_4r	5	0.01038 (0.00976, 0.01097)	0.01021 (0.00961, 0.01081)	0.01040 (0.00979, 0.01100)	0.01022 (0.00962, 0.01083)
coding	theta_4r	6	0.00989 (0.00942, 0.01035)	0.01002 (0.00953, 0.01048)	0.01013 (0.00964, 0.01060)	0.01001 (0.00954, 0.01050)
coding	theta_4r	7	0.00938 (0.00892, 0.00984)	0.00953 (0.00906, 0.01001)	0.00955 (0.00908, 0.01003)	0.00953 (0.00904, 0.01000)
coding	theta_4r	8	0.01014 (0.00961, 0.01069)	0.01008 (0.00954, 0.01062)	0.01022 (0.00966, 0.01077)	0.01008 (0.00954, 0.01062)
coding	theta_4r	9	0.01156 (0.01087, 0.01226)	0.01184 (0.01113, 0.01257)	0.01189 (0.01117, 0.01264)	0.01185 (0.01114, 0.01258)
coding	theta_4r	10	0.00873 (0.00833, 0.00911)	0.00881 (0.00842, 0.00921)	0.00890 (0.00850, 0.00931)	0.00881 (0.00841, 0.00921)
coding	theta_4r	11	0.01052 (0.01006, 0.01099)	0.01052 (0.01004, 0.01099)	0.01057 (0.01010, 0.01104)	0.01052 (0.01005, 0.01101)
coding	theta_4r	12	0.01062 (0.01020, 0.01104)	0.01058 (0.01014, 0.01102)	0.01092 (0.01048, 0.01136)	0.01058 (0.01015, 0.01102)
coding	theta_4r	13	0.00903 (0.00861, 0.00946)	0.00880 (0.00839, 0.00923)	0.00902 (0.00859, 0.00944)	0.00879 (0.00838, 0.00921)
coding	theta_4r	14	0.01081 (0.01020, 0.01144)	0.01084 (0.01019, 0.01146)	0.01102 (0.01040, 0.01167)	0.01084 (0.01019, 0.01146)
coding	theta_4r	15	0.01138 (0.01081, 0.01196)	0.01145 (0.01086, 0.01203)	0.01151 (0.01094, 0.01209)	0.01145 (0.01090, 0.01206)
coding	theta_4r	16	0.01068 (0.01004, 0.01132)	0.01098 (0.01032, 0.01164)	0.01097 (0.01031, 0.01164)	0.01098 (0.01031, 0.01165)

coding	theta_4r	17	0.00895 (0.00853, 0.00935)	0.00883 (0.00840, 0.00924)	0.00909 (0.00868, 0.00951)	0.00882 (0.00840, 0.00924)
coding	theta_4r	18	0.00890 (0.00842, 0.00934)	0.00888 (0.00840, 0.00933)	0.00896 (0.00850, 0.00943)	0.00888 (0.00842, 0.00935)
coding	theta_4r	19	0.00978 (0.00934, 0.01021)	0.00986 (0.00942, 0.01030)	0.00989 (0.00944, 0.01033)	0.00986 (0.00941, 0.01029)
coding	theta_4r	20	0.00882 (0.00842, 0.00920)	0.00885 (0.00844, 0.00925)	0.00896 (0.00856, 0.00936)	0.00885 (0.00845, 0.00925)
coding	theta_4r	21	0.00789 (0.00726, 0.00851)	0.00787 (0.00730, 0.00845)	0.00787 (0.00728, 0.00845)	0.00785 (0.00727, 0.00842)
coding	theta_5cm	1	0.01174 (0.01108, 0.01241)	0.00274 (0.00038, 0.00538)	0.00921 (0.00840, 0.01002)	0.00272 (0.00035, 0.00533)
coding	theta_5cm	2	0.03018 (0.02809, 0.03230)	0.00808 (0.00286, 0.01307)	0.01574 (0.01326, 0.01816)	0.00819 (0.00286, 0.01307)
coding	theta_5cm	3	0.01872 (0.01717, 0.02031)	0.00795 (0.00066, 0.01853)	0.01336 (0.01181, 0.01486)	0.00792 (0.00056, 0.01837)
coding	theta_5cm	4	0.01544 (0.01406, 0.01680)	0.00732 (0.00135, 0.01368)	0.01140 (0.00954, 0.01324)	0.00738 (0.00135, 0.01400)
coding	theta_5cm	5	0.01616 (0.01490, 0.01742)	0.01232 (0.00128, 0.02663)	0.01534 (0.01350, 0.01719)	0.01222 (0.00126, 0.02633)
coding	theta_5cm	6	0.01681 (0.01543, 0.01819)	0.00601 (0.00234, 0.00950)	0.01055 (0.00925, 0.01188)	0.00590 (0.00219, 0.00938)
coding	theta_5cm	7	0.01349 (0.01252, 0.01446)	0.00737 (0.00467, 0.00991)	0.01015 (0.00916, 0.01114)	0.00731 (0.00456, 0.00980)
coding	theta_5cm	8	0.01527 (0.01394, 0.01656)	0.01154 (0.00123, 0.02495)	0.01361 (0.01140, 0.01588)	0.01157 (0.00097, 0.02508)
coding	theta_5cm	9	0.02563 (0.02360, 0.02775)	0.00564 (0.00126, 0.00999)	0.01242 (0.01008, 0.01476)	0.00555 (0.00135, 0.00993)
coding	theta_5cm	10	0.01170 (0.01070, 0.01273)	0.00373 (0.00153, 0.00593)	0.00892 (0.00787, 0.00996)	0.00380 (0.00154, 0.00604)
coding	theta_5cm	11	0.01317 (0.01229, 0.01407)	0.00738 (0.00089, 0.01552)	0.01250 (0.01132, 0.01367)	0.00738 (0.00097, 0.01594)
coding	theta_5cm	12	0.01729 (0.01621, 0.01834)	0.00402 (0.00048, 0.00813)	0.01111 (0.00994, 0.01227)	0.00396 (0.00057, 0.00809)
coding	theta_5cm	13	0.01247 (0.01158, 0.01336)	0.01200 (0.00118, 0.02611)	0.01330 (0.01231, 0.01428)	0.01202 (0.00111, 0.02620)
coding	theta_5cm	14	0.01920 (0.01784, 0.02059)	0.00808 (0.00094, 0.01660)	0.01443 (0.01295, 0.01595)	0.00784 (0.00078, 0.01604)
coding	theta_5cm	15	0.01633 (0.01473, 0.01790)	0.00766 (0.00270, 0.01221)	0.01234 (0.01042, 0.01423)	0.00763 (0.00261, 0.01220)
coding	theta_5cm	16	0.02462 (0.02276, 0.02652)	0.00800 (0.00378, 0.01211)	0.01301 (0.01097, 0.01499)	0.00816 (0.00394, 0.01206)
coding	theta_5cm	17	0.01290 (0.01190, 0.01390)	0.00648 (0.00031, 0.01604)	0.00993 (0.00881, 0.01106)	0.00653 (0.00048, 0.01614)
coding	theta_5cm	18	0.00966 (0.00859, 0.01075)	0.00487 (0.00237, 0.00716)	0.00837 (0.00729, 0.00946)	0.00486 (0.00235, 0.00726)
coding	theta_5cm	19	0.01337 (0.01245, 0.01432)	0.00386 (0.00094, 0.00674)	0.01046 (0.00927, 0.01167)	0.00384 (0.00098, 0.00680)
coding	theta_5cm	20	0.01267 (0.01177, 0.01356)	0.00410 (0.00093, 0.00743)	0.00993 (0.00865, 0.01120)	0.00403 (0.00078, 0.00742)
coding	theta_5cm	21	0.00154 (7e-04, 0.00241)	6e-04 (0.00015, 0.00117)	0.00057 (1e-04, 0.00115)	0.00052 (7e-05, 0.00110)
coding	theta_6c	1	n/a	0.00592 (0.00553, 0.00632)	0.00438 (0.00324, 0.00548)	0.00577 (0.00528, 0.00624)
coding	theta_6c	2	n/a	0.01875 (0.01714, 0.02040)	0.01842 (0.01329, 0.02355)	0.01848 (0.01675, 0.02026)
coding	theta_6c	3	n/a	0.00980 (0.00892, 0.01069)	0.00918 (0.00644, 0.01181)	0.00938 (0.00817, 0.01052)
coding	theta_6c	4	n/a	0.00984 (0.00871, 0.01100)	0.00687 (0.00452, 0.00919)	0.00925 (0.00750, 0.01087)
coding	theta_6c	5	n/a	0.00966 (0.00875, 0.01057)	0.00702 (0.00331, 0.01108)	0.00850 (0.00620, 0.01025)
coding	theta_6c	6	n/a	0.00822 (0.00758, 0.00886)	0.00821 (0.00748, 0.00892)	0.00814 (0.00749, 0.00881)
coding	theta_6c	7	n/a	0.00739 (0.00673, 0.00805)	0.00660 (0.00569, 0.00752)	0.00728 (0.00658, 0.00794)
coding	theta_6c	8	n/a	0.00843 (0.00765, 0.00925)	0.00393 (0.00156, 0.00624)	0.00761 (0.00584, 0.00901)
coding	theta_6c	9	n/a	0.01472 (0.01334, 0.01611)	0.01211 (0.00888, 0.01527)	0.01428 (0.01272, 0.01594)
coding	theta_6c	10	n/a	0.00908 (0.00859, 0.00956)	0.00838 (0.00739, 0.00929)	0.00899 (0.00846, 0.00951)
coding	theta_6c	11	n/a	0.00741 (0.00680, 0.00803)	0.00289 (0.00120, 0.00463)	0.00614 (0.00433, 0.00777)
coding	theta_6c	12	n/a	0.00822 (0.00769, 0.00875)	0.00696 (0.00577, 0.00807)	0.00814 (0.00760, 0.00870)
coding	theta_6c	13	n/a	0.00604 (0.00559, 0.00649)	0.00033 (4e-05, 8e-04)	0.00596 (0.00549, 0.00644)
coding	theta_6c	14	n/a	0.01163 (0.01063, 0.01269)	0.00956 (0.00705, 0.01195)	0.01086 (0.00918, 0.01239)
coding	theta_6c	15	n/a	0.00904 (0.00799, 0.01013)	0.00625 (0.00403, 0.00845)	0.00872 (0.00748, 0.00991)
coding	theta_6c	16	n/a	0.01325 (0.01201, 0.01442)	0.00953 (0.00656, 0.01240)	0.01271 (0.01118, 0.01428)
coding	theta_6c	17	n/a	0.00577 (0.00531, 0.00624)	0.00464 (0.00360, 0.00564)	0.00564 (0.00512, 0.00616)
coding	theta_6c	18	n/a	0.00793 (0.00740, 0.00845)	0.00688 (0.00586, 0.00785)	0.00784 (0.00726, 0.00839)
coding	theta_6c	19	n/a	0.00701 (0.00646, 0.00755)	0.00505 (0.00390, 0.00622)	0.00693 (0.00637, 0.00751)
coding	theta_6c	20	n/a	0.00622 (0.00575, 0.00671)	0.00346 (0.00244, 0.00448)	0.00613 (0.00559, 0.00664)
coding	theta_6c	21	n/a	0.01326 (0.00049, 0.02916)	0.00994 (2e-04, 0.02363)	0.01471 (0.00078, 0.03125)
coding	theta_7m	1	n/a	0.01186 (0.00764, 0.01684)	0.01052 (0.00716, 0.01443)	0.01285 (0.00774, 0.01890)
coding	theta_7m	2	n/a	0.00837 (0.00067, 0.01928)	0.02025 (0.00812, 0.03512)	0.01150 (0.00109, 0.02548)
coding	theta_7m	3	n/a	0.02248 (0.01182, 0.03529)	0.02500 (0.01333, 0.03935)	0.02642 (0.01258, 0.04288)
coding	theta_7m	4	n/a	0.00955 (0.00512, 0.01472)	0.01189 (0.00931, 0.01474)	0.01224 (0.00532, 0.02211)
coding	theta_7m	5	n/a	0.00878 (0.00483, 0.01332)	0.01040 (0.00769, 0.01322)	0.01539 (0.00522, 0.03242)
coding	theta_7m	6	n/a	0.00633 (0.00424, 0.00863)	0.00466 (0.00378, 0.00561)	0.00652 (0.00433, 0.00897)
coding	theta_7m	7	n/a	0.00688 (0.00477, 0.00916)	0.00748 (0.00573, 0.00938)	0.00711 (0.00486, 0.00957)
coding	theta_7m	8	n/a	0.01368 (0.00779, 0.02062)	0.01323 (0.00823, 0.01931)	0.01897 (0.00836, 0.03370)
coding	theta_7m	9	n/a	0.01822 (0.00617, 0.03263)	0.01581 (0.00742, 0.02590)	0.02056 (0.00726, 0.03662)
coding	theta_7m	10	n/a	0.01705 (0.00383, 0.03308)	0.01245 (0.00382, 0.02340)	0.02002 (0.00553, 0.03750)
coding	theta_7m	11	n/a	0.01017 (0.00635, 0.01448)	0.01998 (0.00879, 0.03411)	0.02309 (0.00670, 0.04651)
coding	theta_7m	12	n/a	0.01271 (0.00827, 0.01784)	0.01266 (0.00861, 0.01736)	0.01329 (0.00843, 0.01877)
coding	theta_7m	13	n/a	0.00798 (0.00574, 0.01038)	0.01082 (0.00194, 0.02382)	0.00826 (0.00591, 0.01085)
coding	theta_7m	14	n/a	0.01480 (0.00756, 0.02350)	0.01327 (0.00924, 0.01775)	0.01770 (0.00823, 0.02929)
coding	theta_7m	15	n/a	0.01125 (0.00709, 0.01621)	0.01775 (0.01172, 0.02492)	0.01211 (0.00732, 0.01782)
coding	theta_7m	16	n/a	0.02264 (0.00868, 0.03850)	0.02669 (0.01434, 0.04141)	0.02577 (0.01020, 0.04349)
coding	theta_7m	17	n/a	0.01523 (0.00965, 0.02183)	0.01474 (0.01010, 0.02028)	0.01623 (0.01012, 0.02398)
coding	theta_7m	18	n/a	0.01152 (0.00097, 0.02512)	0.00981 (0.00285, 0.01921)	0.01440 (0.00178, 0.03000)
coding	theta_7m	19	n/a	0.00760 (0.00563, 0.00969)	0.00927 (0.00716, 0.01153)	0.00776 (0.00577, 0.00998)
coding	theta_7m	20	n/a	0.00881 (0.00614, 0.01180)	0.01208 (0.00888, 0.01576)	0.00914 (0.00624, 0.01230)
coding	theta_7m	21	n/a	0.01000 (0.00026, 0.02389)	0.01372 (0.00069, 0.02998)	0.01288 (0.00049, 0.02774)

noncoding	phi_c<-m	1	n/a	n/a	0.17346 (0.14499, 0.20222)	0.00193 (0.00000, 0.00575)
noncoding	phi_c<-m	2	n/a	n/a	0.04440 (0.01707, 0.07726)	0.00509 (0.00000, 0.01556)
noncoding	phi_c<-m	3	n/a	n/a	0.24613 (0.19829, 0.29564)	0.00402 (0.00000, 0.01203)
noncoding	phi_c<-m	4	n/a	n/a	0.21933 (0.17677, 0.26316)	0.00434 (0.00000, 0.01290)
noncoding	phi_c<-m	5	n/a	n/a	0.51842 (0.45944, 0.57642)	0.00583 (0.00000, 0.01708)
noncoding	phi_c<-m	6	n/a	n/a	0.04522 (0.03231, 0.05877)	0.00108 (0.00000, 0.00323)
noncoding	phi_c<-m	7	n/a	n/a	0.13614 (0.10866, 0.16454)	0.00302 (0.00000, 0.00889)
noncoding	phi_c<-m	8	n/a	n/a	0.22194 (0.17396, 0.26918)	0.00619 (0.00000, 0.01862)
noncoding	phi_c<-m	9	n/a	n/a	0.10209 (0.04518, 0.16452)	0.00888 (0.00000, 0.02712)
noncoding	phi_c<-m	10	n/a	n/a	0.15721 (0.13644, 0.17856)	0.00330 (0.00000, 0.00993)
noncoding	phi_c<-m	11	n/a	n/a	0.24131 (0.19252, 0.28913)	0.00360 (0.00000, 0.01083)
noncoding	phi_c<-m	12	n/a	n/a	0.11893 (0.09274, 0.14610)	0.00120 (0.00000, 0.00359)
noncoding	phi_c<-m	13	n/a	n/a	0.28197 (0.25207, 0.31249)	0.00135 (0.00000, 0.00404)
noncoding	phi_c<-m	14	n/a	n/a	0.22737 (0.16911, 0.28948)	0.00533 (0.00000, 0.01593)
noncoding	phi_c<-m	15	n/a	n/a	0.12819 (0.10105, 0.15589)	0.00389 (0.00000, 0.01131)
noncoding	phi_c<-m	16	n/a	n/a	0.15134 (0.10069, 0.20232)	0.00810 (0.00000, 0.02402)
noncoding	phi_c<-m	17	n/a	n/a	0.14754 (0.12250, 0.17372)	0.00156 (0.00000, 0.00464)
noncoding	phi_c<-m	18	n/a	n/a	0.06508 (0.04187, 0.09238)	0.00103 (0.00000, 0.00323)
noncoding	phi_c<-m	19	n/a	n/a	0.09871 (0.08209, 0.11568)	0.00302 (0.00000, 0.00843)
noncoding	phi_c<-m	20	n/a	n/a	0.13145 (0.10587, 0.15703)	0.00249 (0.00000, 0.00737)
noncoding	phi_c<-m	21	n/a	n/a	0.44824 (0.17790, 0.81357)	0.26916 (0.03920, 0.49986)
noncoding	phi_m<-c	1	n/a	0.28294 (0.25650, 0.30901)	n/a	0.28010 (0.25288, 0.30666)
noncoding	phi_m<-c	2	n/a	0.14456 (0.09660, 0.19294)	n/a	0.13522 (0.08407, 0.18540)
noncoding	phi_m<-c	3	n/a	0.28832 (0.25405, 0.32324)	n/a	0.28304 (0.24722, 0.31935)
noncoding	phi_m<-c	4	n/a	0.28357 (0.24640, 0.32048)	n/a	0.27771 (0.23864, 0.31617)
noncoding	phi_m<-c	5	n/a	0.53110 (0.49807, 0.56488)	n/a	0.52559 (0.49063, 0.56080)
noncoding	phi_m<-c	6	n/a	0.13880 (0.11470, 0.16306)	n/a	0.13708 (0.11267, 0.16156)
noncoding	phi_m<-c	7	n/a	0.23273 (0.20407, 0.26098)	n/a	0.22840 (0.19892, 0.25797)
noncoding	phi_m<-c	8	n/a	0.27260 (0.23146, 0.31268)	n/a	0.26609 (0.22256, 0.30975)
noncoding	phi_m<-c	9	n/a	0.20381 (0.14748, 0.25922)	n/a	0.19240 (0.13304, 0.25194)
noncoding	phi_m<-c	10	n/a	0.50308 (0.47654, 0.52913)	n/a	0.49971 (0.47240, 0.52702)
noncoding	phi_m<-c	11	n/a	0.34370 (0.30694, 0.38225)	n/a	0.33876 (0.30117, 0.37827)
noncoding	phi_m<-c	12	n/a	0.27286 (0.24685, 0.29851)	n/a	0.27036 (0.24466, 0.29678)
noncoding	phi_m<-c	13	n/a	0.39797 (0.37590, 0.42064)	n/a	0.39657 (0.37432, 0.41940)
noncoding	phi_m<-c	14	n/a	0.29851 (0.25450, 0.34271)	n/a	0.29048 (0.24429, 0.33583)
noncoding	phi_m<-c	15	n/a	0.22055 (0.18645, 0.25503)	n/a	0.21462 (0.17841, 0.25139)
noncoding	phi_m<-c	16	n/a	0.19847 (0.15726, 0.23712)	n/a	0.19012 (0.14757, 0.23271)
noncoding	phi_m<-c	17	n/a	0.32959 (0.29844, 0.36113)	n/a	0.32810 (0.29713, 0.36024)
noncoding	phi_m<-c	18	n/a	0.21313 (0.18604, 0.24146)	n/a	0.21134 (0.18366, 0.23922)
noncoding	phi_m<-c	19	n/a	0.20171 (0.17677, 0.22716)	n/a	0.19795 (0.17129, 0.22451)
noncoding	phi_m<-c	20	n/a	0.22953 (0.20254, 0.25604)	n/a	0.22654 (0.19981, 0.25453)
noncoding	phi_m<-c	21	n/a	0.43621 (0.18452, 0.80074)	n/a	0.40451 (3e-04, 0.87921)
noncoding	tau_4r	1	0.01156 (0.01139, 0.01172)	0.01180 (0.01163, 0.01196)	0.01178 (0.01162, 0.01195)	0.01180 (0.01163, 0.01196)
noncoding	tau_4r	2	0.01258 (0.01228, 0.01286)	0.01261 (0.01231, 0.01289)	0.01261 (0.01232, 0.01289)	0.01261 (0.01231, 0.01290)
noncoding	tau_4r	3	0.01133 (0.01110, 0.01154)	0.01179 (0.01157, 0.01200)	0.01176 (0.01154, 0.01197)	0.01179 (0.01157, 0.01200)
noncoding	tau_4r	4	0.01225 (0.01202, 0.01248)	0.01237 (0.01213, 0.01260)	0.01236 (0.01212, 0.01258)	0.01237 (0.01213, 0.01260)
noncoding	tau_4r	5	0.01258 (0.01236, 0.01281)	0.01268 (0.01245, 0.01291)	0.01268 (0.01245, 0.01291)	0.01269 (0.01246, 0.01292)
noncoding	tau_4r	6	0.01185 (0.01165, 0.01205)	0.01219 (0.01198, 0.01239)	0.01219 (0.01198, 0.01238)	0.01219 (0.01199, 0.01239)
noncoding	tau_4r	7	0.01202 (0.01182, 0.01220)	0.01218 (0.01198, 0.01236)	0.01215 (0.01196, 0.01234)	0.01218 (0.01198, 0.01236)
noncoding	tau_4r	8	0.01202 (0.01177, 0.01226)	0.01209 (0.01184, 0.01233)	0.01208 (0.01183, 0.01232)	0.01209 (0.01185, 0.01234)
noncoding	tau_4r	9	0.01182 (0.01155, 0.01207)	0.01227 (0.01201, 0.01252)	0.01227 (0.01201, 0.01252)	0.01227 (0.01202, 0.01253)
noncoding	tau_4r	10	0.01209 (0.01191, 0.01225)	0.01208 (0.01192, 0.01225)	0.01210 (0.01192, 0.01226)	0.01208 (0.01192, 0.01225)
noncoding	tau_4r	11	0.01147 (0.01125, 0.01168)	0.01158 (0.01136, 0.01179)	0.01158 (0.01136, 0.01179)	0.01158 (0.01136, 0.01180)
noncoding	tau_4r	12	0.01189 (0.01171, 0.01208)	0.01212 (0.01193, 0.01230)	0.01211 (0.01193, 0.01229)	0.01212 (0.01193, 0.01230)
noncoding	tau_4r	13	0.01213 (0.01197, 0.01229)	0.01219 (0.01203, 0.01235)	0.01222 (0.01206, 0.01238)	0.01220 (0.01203, 0.01235)
noncoding	tau_4r	14	0.01208 (0.01182, 0.01234)	0.01249 (0.01223, 0.01275)	0.01246 (0.01220, 0.01273)	0.01249 (0.01223, 0.01275)
noncoding	tau_4r	15	0.01234 (0.01210, 0.01258)	0.01245 (0.01221, 0.01269)	0.01244 (0.01220, 0.01267)	0.01245 (0.01221, 0.01269)
noncoding	tau_4r	16	0.01174 (0.01151, 0.01195)	0.01224 (0.01201, 0.01246)	0.01223 (0.01201, 0.01245)	0.01224 (0.01201, 0.01245)
noncoding	tau_4r	17	0.01099 (0.01080, 0.01116)	0.01101 (0.01083, 0.01119)	0.01104 (0.01086, 0.01122)	0.01101 (0.01083, 0.01119)
noncoding	tau_4r	18	0.01150 (0.01133, 0.01166)	0.01152 (0.01134, 0.01168)	0.01151 (0.01134, 0.01167)	0.01152 (0.01135, 0.01168)
noncoding	tau_4r	19	0.01224 (0.01206, 0.01242)	0.01232 (0.01214, 0.01250)	0.01231 (0.01213, 0.01249)	0.01232 (0.01214, 0.01250)
noncoding	tau_4r	20	0.01178 (0.01159, 0.01196)	0.01189 (0.01170, 0.01207)	0.01188 (0.01169, 0.01205)	0.01189 (0.01171, 0.01207)
noncoding	tau_4r	21	0.01062 (0.01033, 0.01090)	0.01040 (0.01012, 0.01066)	0.01040 (0.01013, 0.01067)	0.01041 (0.01013, 0.01067)
noncoding	tau_5cm	1	0.00099 (0.00078, 0.00122)	0.00679 (0.00642, 0.00715)	0.00507 (0.00480, 0.00532)	0.00678 (0.00641, 0.00714)
noncoding	tau_5cm	2	0.00421 (0.00378, 0.00463)	0.00672 (0.00622, 0.00721)	0.00607 (0.00565, 0.00649)	0.00671 (0.00622, 0.00721)
noncoding	tau_5cm	3	0.00014 (6e-05, 0.00021)	0.00742 (0.00695, 0.00789)	0.00583 (0.00543, 0.00623)	0.00740 (0.00692, 0.00786)
noncoding	tau_5cm	4	0.00348 (0.00323, 0.00373)	0.00717 (0.00670, 0.00764)	0.00609 (0.00568, 0.00651)	0.00715 (0.00667, 0.00762)
noncoding	tau_5cm	5	0.00322 (0.00301, 0.00343)	0.01055 (0.00994, 0.01119)	0.00704 (0.00638, 0.00769)	0.01054 (0.00991, 0.01116)

noncoding	tau_5cm	6	0.00019 (0.00014, 0.00025)	0.00735 (0.00701, 0.00768)	0.00639 (0.00611, 0.00668)	0.00734 (0.00701, 0.00768)
noncoding	tau_5cm	7	0.00262 (0.00240, 0.00285)	0.00686 (0.00648, 0.00724)	0.00555 (0.00524, 0.00583)	0.00685 (0.00647, 0.00723)
noncoding	tau_5cm	8	0.00334 (0.00307, 0.00360)	0.00696 (0.00640, 0.00752)	0.00568 (0.00526, 0.00608)	0.00696 (0.00640, 0.00752)
noncoding	tau_5cm	9	2e-05 (0.00000, 4e-05)	0.00650 (0.00604, 0.00699)	0.00591 (0.00548, 0.00632)	0.00650 (0.00602, 0.00697)
noncoding	tau_5cm	10	0.00448 (0.00429, 0.00466)	0.01182 (0.01152, 0.01210)	0.00888 (0.00840, 0.00936)	0.01183 (0.01152, 0.01212)
noncoding	tau_5cm	11	0.00236 (0.00212, 0.00259)	0.00748 (0.00694, 0.00801)	0.00551 (0.00508, 0.00592)	0.00746 (0.00693, 0.00800)
noncoding	tau_5cm	12	0.00039 (3e-04, 0.00049)	0.00769 (0.00728, 0.00810)	0.00526 (0.00493, 0.00558)	0.00767 (0.00726, 0.00808)
noncoding	tau_5cm	13	0.00396 (0.00381, 0.00412)	0.01099 (0.01057, 0.01140)	0.00720 (0.00690, 0.00749)	0.01098 (0.01055, 0.01138)
noncoding	tau_5cm	14	0.00018 (9e-05, 0.00028)	0.00706 (0.00650, 0.00762)	0.00548 (0.00501, 0.00596)	0.00703 (0.00645, 0.00758)
noncoding	tau_5cm	15	0.00381 (0.00352, 0.00409)	0.00808 (0.00753, 0.00863)	0.00667 (0.00629, 0.00706)	0.00806 (0.00751, 0.00862)
noncoding	tau_5cm	16	1e-05 (0.00000, 3e-05)	0.00706 (0.00663, 0.00750)	0.00628 (0.00590, 0.00666)	0.00705 (0.00662, 0.00749)
noncoding	tau_5cm	17	0.00387 (0.00368, 0.00405)	0.00985 (0.00932, 0.01035)	0.00628 (0.00597, 0.00658)	0.00985 (0.00934, 0.01037)
noncoding	tau_5cm	18	0.00482 (0.00463, 0.00500)	0.00704 (0.00672, 0.00734)	0.00590 (0.00561, 0.00616)	0.00704 (0.00673, 0.00735)
noncoding	tau_5cm	19	0.00448 (0.00430, 0.00466)	0.00814 (0.00776, 0.00852)	0.00664 (0.00638, 0.00689)	0.00815 (0.00776, 0.00853)
noncoding	tau_5cm	20	0.00298 (0.00276, 0.00318)	0.00698 (0.00661, 0.00735)	0.00565 (0.00537, 0.00593)	0.00698 (0.00661, 0.00735)
noncoding	tau_5cm	21	0.00620 (0.00579, 0.00662)	0.00988 (0.00928, 0.01038)	0.00988 (0.00927, 0.01041)	0.00988 (0.00932, 0.01038)
noncoding	tau_6c	1	n/a	1e-04 (6e-05, 0.00015)	3e-05 (1e-05, 5e-05)	1e-04 (6e-05, 0.00016)
noncoding	tau_6c	2	n/a	1e-05 (0.00000, 3e-05)	1e-05 (0.00000, 2e-05)	1e-05 (1e-05, 3e-05)
noncoding	tau_6c	3	n/a	4e-05 (1e-05, 7e-05)	2e-05 (1e-05, 5e-05)	4e-05 (0.00000, 7e-05)
noncoding	tau_6c	4	n/a	0.00013 (2e-05, 0.00026)	6e-05 (0.00000, 0.00012)	0.00012 (2e-05, 0.00025)
noncoding	tau_6c	5	n/a	0.00272 (0.00247, 0.00296)	0.00176 (0.00136, 0.00215)	0.00272 (0.00247, 0.00297)
noncoding	tau_6c	6	n/a	4e-05 (2e-05, 7e-05)	3e-05 (1e-05, 4e-05)	4e-05 (2e-05, 6e-05)
noncoding	tau_6c	7	n/a	0.00021 (0.00012, 0.00031)	9e-05 (3e-05, 0.00015)	0.00021 (0.00011, 0.00031)
noncoding	tau_6c	8	n/a	0.00014 (1e-05, 0.00029)	5e-05 (0.00000, 0.00012)	0.00015 (3e-05, 3e-04)
noncoding	tau_6c	9	n/a	1e-05 (1e-05, 3e-05)	2e-05 (1e-05, 3e-05)	2e-05 (1e-05, 3e-05)
noncoding	tau_6c	10	n/a	0.00345 (0.00324, 0.00364)	0.00437 (0.00409, 0.00464)	0.00346 (0.00325, 0.00365)
noncoding	tau_6c	11	n/a	0.00056 (0.00037, 0.00076)	0.00021 (9e-05, 0.00032)	0.00056 (0.00037, 0.00076)
noncoding	tau_6c	12	n/a	6e-05 (3e-05, 1e-04)	3e-05 (1e-05, 5e-05)	6e-05 (2e-05, 9e-05)
noncoding	tau_6c	13	n/a	0.00295 (0.00277, 0.00313)	0.00179 (0.00153, 0.00204)	0.00295 (0.00276, 0.00313)
noncoding	tau_6c	14	n/a	4e-05 (1e-05, 7e-05)	3e-05 (1e-05, 6e-05)	3e-05 (1e-05, 5e-05)
noncoding	tau_6c	15	n/a	0.00037 (7e-05, 0.00066)	8e-05 (1e-05, 0.00016)	0.00036 (3e-05, 0.00065)
noncoding	tau_6c	16	n/a	1e-05 (0.00000, 1e-05)	1e-05 (0.00000, 2e-05)	1e-05 (0.00000, 1e-05)
noncoding	tau_6c	17	n/a	0.00209 (0.00176, 0.00240)	0.00028 (9e-05, 0.00047)	0.00210 (0.00176, 0.00242)
noncoding	tau_6c	18	n/a	1e-05 (0.00000, 2e-05)	1e-05 (1e-05, 1e-05)	1e-05 (0.00000, 1e-05)
noncoding	tau_6c	19	n/a	0.00064 (0.00038, 0.00093)	0.00013 (4e-05, 0.00022)	0.00064 (0.00037, 0.00092)
noncoding	tau_6c	20	n/a	0.00024 (0.00014, 0.00035)	1e-04 (2e-05, 0.00017)	0.00025 (0.00014, 0.00035)
noncoding	tau_6c	21	n/a	0.00387 (0.00301, 0.00475)	0.00387 (0.00299, 0.00479)	0.00389 (0.00306, 0.00471)
noncoding	tau_7m	1	n/a	1e-04 (6e-05, 0.00015)	3e-05 (1e-05, 5e-05)	1e-04 (6e-05, 0.00016)
noncoding	tau_7m	2	n/a	1e-05 (0.00000, 3e-05)	1e-05 (0.00000, 2e-05)	1e-05 (1e-05, 3e-05)
noncoding	tau_7m	3	n/a	4e-05 (1e-05, 7e-05)	2e-05 (1e-05, 5e-05)	4e-05 (0.00000, 7e-05)
noncoding	tau_7m	4	n/a	0.00013 (2e-05, 0.00026)	6e-05 (0.00000, 0.00012)	0.00012 (2e-05, 0.00025)
noncoding	tau_7m	5	n/a	0.00272 (0.00247, 0.00296)	0.00176 (0.00136, 0.00215)	0.00272 (0.00247, 0.00297)
noncoding	tau_7m	6	n/a	4e-05 (2e-05, 7e-05)	3e-05 (1e-05, 4e-05)	4e-05 (2e-05, 6e-05)
noncoding	tau_7m	7	n/a	0.00021 (0.00012, 0.00031)	9e-05 (3e-05, 0.00015)	0.00021 (0.00011, 0.00031)
noncoding	tau_7m	8	n/a	0.00014 (1e-05, 0.00029)	5e-05 (0.00000, 0.00012)	0.00015 (3e-05, 3e-04)
noncoding	tau_7m	9	n/a	1e-05 (1e-05, 3e-05)	2e-05 (1e-05, 3e-05)	2e-05 (1e-05, 3e-05)
noncoding	tau_7m	10	n/a	0.00345 (0.00324, 0.00364)	0.00437 (0.00409, 0.00464)	0.00346 (0.00325, 0.00365)
noncoding	tau_7m	11	n/a	0.00056 (0.00037, 0.00076)	0.00021 (9e-05, 0.00032)	0.00056 (0.00037, 0.00076)
noncoding	tau_7m	12	n/a	6e-05 (3e-05, 1e-04)	3e-05 (1e-05, 5e-05)	6e-05 (2e-05, 9e-05)
noncoding	tau_7m	13	n/a	0.00295 (0.00277, 0.00313)	0.00179 (0.00153, 0.00204)	0.00295 (0.00276, 0.00313)
noncoding	tau_7m	14	n/a	4e-05 (1e-05, 7e-05)	3e-05 (1e-05, 6e-05)	3e-05 (1e-05, 5e-05)
noncoding	tau_7m	15	n/a	0.00037 (7e-05, 0.00066)	8e-05 (1e-05, 0.00016)	0.00036 (3e-05, 0.00065)
noncoding	tau_7m	16	n/a	1e-05 (0.00000, 1e-05)	1e-05 (0.00000, 2e-05)	1e-05 (0.00000, 1e-05)
noncoding	tau_7m	17	n/a	0.00209 (0.00176, 0.00240)	0.00028 (9e-05, 0.00047)	0.00210 (0.00176, 0.00242)
noncoding	tau_7m	18	n/a	1e-05 (0.00000, 2e-05)	1e-05 (1e-05, 1e-05)	1e-05 (0.00000, 1e-05)
noncoding	tau_7m	19	n/a	0.00064 (0.00038, 0.00093)	0.00013 (4e-05, 0.00022)	0.00064 (0.00037, 0.00092)
noncoding	tau_7m	20	n/a	0.00024 (0.00014, 0.00035)	1e-04 (2e-05, 0.00017)	0.00025 (0.00014, 0.00035)
noncoding	tau_7m	21	n/a	0.00387 (0.00301, 0.00475)	0.00387 (0.00299, 0.00479)	0.00389 (0.00306, 0.00471)
noncoding	theta_1Cyd	1	0.04072 (0.03288, 0.04964)	0.04990 (0.02739, 0.07593)	0.02212 (0.00676, 0.04017)	0.04970 (0.02577, 0.07497)
noncoding	theta_1Cyd	2	0.05921 (0.04970, 0.06946)	0.01919 (0.00517, 0.03656)	0.01726 (0.00406, 0.03363)	0.01894 (0.00526, 0.03586)
noncoding	theta_1Cyd	3	0.03873 (0.01891, 0.06073)	0.03037 (0.01127, 0.05183)	0.02227 (0.00644, 0.04048)	0.02907 (0.00787, 0.05161)
noncoding	theta_1Cyd	4	0.05852 (0.04968, 0.06785)	0.03962 (0.01404, 0.06652)	0.02189 (0.00586, 0.04083)	0.03841 (0.01352, 0.06606)
noncoding	theta_1Cyd	5	0.08859 (0.07182, 0.10624)	0.14309 (0.11183, 0.17617)	0.09929 (0.07394, 0.12581)	0.14284 (0.11160, 0.17613)
noncoding	theta_1Cyd	6	0.02472 (0.01393, 0.03756)	0.03194 (0.01343, 0.05303)	0.02338 (0.00787, 0.04116)	0.03154 (0.01308, 0.05263)
noncoding	theta_1Cyd	7	0.03862 (0.03394, 0.04330)	0.05931 (0.03430, 0.08695)	0.03369 (0.01440, 0.05556)	0.05925 (0.03372, 0.08682)
noncoding	theta_1Cyd	8	0.04724 (0.04051, 0.05454)	0.03956 (0.01398, 0.06763)	0.02310 (0.00501, 0.04300)	0.04148 (0.01587, 0.06882)
noncoding	theta_1Cyd	9	0.02027 (0.00546, 0.03780)	0.02014 (0.00589, 0.03724)	0.01961 (0.00578, 0.03648)	0.02062 (0.00668, 0.03780)
noncoding	theta_1Cyd	10	0.03674 (0.03386, 0.03966)	0.06770 (0.05873, 0.07751)	0.05131 (0.04588, 0.05688)	0.06766 (0.05832, 0.07726)

noncoding theta_1Cyd	11	0.03843 (0.03302, 0.04414)	0.07060 (0.04609, 0.09797)	0.03273 (0.01600, 0.05134)	0.07036 (0.04538, 0.09751)
noncoding theta_1Cyd	12	0.03378 (0.02288, 0.04615)	0.03939 (0.01886, 0.06251)	0.02269 (0.00754, 0.04097)	0.03807 (0.01691, 0.06137)
noncoding theta_1Cyd	13	0.03666 (0.03364, 0.03974)	0.08262 (0.06939, 0.09660)	0.06986 (0.05609, 0.08414)	0.08250 (0.06965, 0.09667)
noncoding theta_1Cyd	14	0.03206 (0.01521, 0.05068)	0.02487 (0.00849, 0.04387)	0.01923 (0.00510, 0.03626)	0.02250 (0.00679, 0.04080)
noncoding theta_1Cyd	15	0.04507 (0.03923, 0.05116)	0.06963 (0.03427, 0.10615)	0.03299 (0.01070, 0.05760)	0.06823 (0.03085, 0.10622)
noncoding theta_1Cyd	16	0.01781 (0.00436, 0.03419)	0.01805 (0.00482, 0.03437)	0.01923 (0.00557, 0.03662)	0.01830 (0.00511, 0.03454)
noncoding theta_1Cyd	17	0.02722 (0.02506, 0.02941)	0.06393 (0.05127, 0.07769)	0.04282 (0.02233, 0.06463)	0.06391 (0.05117, 0.07777)
noncoding theta_1Cyd	18	0.03580 (0.03304, 0.03867)	0.01974 (0.00541, 0.03688)	0.01528 (0.00336, 0.03018)	0.01985 (0.00603, 0.03662)
noncoding theta_1Cyd	19	0.03424 (0.03154, 0.03699)	0.09097 (0.06166, 0.12130)	0.03908 (0.01717, 0.06207)	0.09096 (0.06177, 0.12246)
noncoding theta_1Cyd	20	0.04083 (0.03635, 0.04583)	0.07273 (0.04420, 0.10380)	0.04360 (0.01987, 0.06979)	0.07285 (0.04368, 0.10243)
noncoding theta_2Mel	1	0.00257 (0.00208, 0.00307)	0.00034 (0.00019, 0.00048)	9e-05 (3e-05, 0.00017)	0.00033 (0.00017, 0.00049)
noncoding theta_2Mel	2	0.00048 (0.00043, 0.00053)	1e-05 (0.00000, 1e-05)	0.00000 (0.00000, 1e-05)	1e-05 (0.00000, 1e-05)
noncoding theta_2Mel	3	0.00044 (2e-04, 0.00067)	0.00013 (4e-05, 0.00023)	8e-05 (2e-05, 0.00017)	0.00012 (1e-05, 0.00023)
noncoding theta_2Mel	4	0.01388 (0.01275, 0.01505)	0.00094 (0.00017, 0.00186)	0.00044 (4e-05, 0.00092)	0.00088 (0.00012, 0.00180)
noncoding theta_2Mel	5	0.04737 (0.04116, 0.05407)	0.04521 (0.03834, 0.05215)	0.04772 (0.03739, 0.05904)	0.04518 (0.03839, 0.05212)
noncoding theta_2Mel	6	0.00017 (0.00012, 0.00021)	4e-05 (2e-05, 7e-05)	3e-05 (1e-05, 5e-05)	4e-05 (2e-05, 7e-05)
noncoding theta_2Mel	7	0.00573 (0.00529, 0.00617)	0.00073 (0.00042, 0.00105)	0.00032 (0.00012, 0.00053)	0.00072 (0.00042, 0.00103)
noncoding theta_2Mel	8	0.01577 (0.01432, 0.01726)	0.00116 (0.00014, 0.00240)	0.00048 (3e-05, 0.00110)	0.00127 (0.00029, 0.00250)
noncoding theta_2Mel	9	1e-05 (0.00000, 2e-05)	1e-05 (0.00000, 1e-05)	1e-05 (0.00000, 1e-05)	1e-05 (0.00000, 1e-05)
noncoding theta_2Mel	10	4e-05 (3e-05, 5e-05)	4e-05 (4e-05, 5e-05)	4e-05 (4e-05, 5e-05)	5e-05 (4e-05, 5e-05)
noncoding theta_2Mel	11	0.00855 (0.00774, 0.00935)	0.00281 (0.00197, 0.00363)	0.00123 (6e-04, 0.00186)	0.00279 (0.00196, 0.00362)
noncoding theta_2Mel	12	0.00064 (5e-04, 0.00078)	0.00012 (6e-05, 0.00019)	5e-05 (2e-05, 9e-05)	0.00011 (4e-05, 0.00017)
noncoding theta_2Mel	13	0.01665 (0.01574, 0.01759)	0.01462 (0.01365, 0.01556)	0.01261 (0.01127, 0.01395)	0.01462 (0.01368, 0.01558)
noncoding theta_2Mel	14	5e-04 (0.00024, 0.00076)	0.00011 (4e-05, 2e-04)	8e-05 (2e-05, 0.00017)	8e-05 (2e-05, 0.00016)
noncoding theta_2Mel	15	0.00983 (0.00910, 0.01059)	0.00177 (5e-04, 0.00298)	0.00044 (4e-05, 0.00089)	0.00172 (0.00042, 0.00309)
noncoding theta_2Mel	16	1e-05 (0.00000, 3e-05)	1e-05 (0.00000, 1e-05)	1e-05 (0.00000, 2e-05)	1e-05 (0.00000, 1e-05)
noncoding theta_2Mel	17	0.01166 (0.01098, 0.01233)	0.00825 (0.00734, 0.00918)	0.00192 (0.00073, 0.00306)	0.00826 (0.00732, 0.00918)
noncoding theta_2Mel	18	8e-05 (6e-05, 9e-05)	0.00000 (0.00000, 1e-05)	0.00000 (0.00000, 0.00000)	0.00000 (0.00000, 1e-05)
noncoding theta_2Mel	19	0.00894 (0.00852, 0.00937)	0.00256 (0.00168, 0.00343)	0.00065 (2e-04, 0.00107)	0.00256 (0.00170, 0.00348)
noncoding theta_2Mel	20	0.00672 (0.00628, 0.00717)	0.00092 (0.00055, 0.00129)	0.00042 (1e-04, 0.00066)	0.00093 (0.00057, 0.00129)
noncoding theta_3Hec	1	0.01313 (0.01268, 0.01357)	0.01339 (0.01295, 0.01386)	0.01337 (0.01292, 0.01383)	0.01339 (0.01294, 0.01385)
noncoding theta_3Hec	2	0.01994 (0.01886, 0.02106)	0.02003 (0.01892, 0.02112)	0.02003 (0.01893, 0.02114)	0.02003 (0.01894, 0.02115)
noncoding theta_3Hec	3	0.02039 (0.01940, 0.02141)	0.02107 (0.02004, 0.02213)	0.02102 (0.01997, 0.02205)	0.02107 (0.02001, 0.02208)
noncoding theta_3Hec	4	0.02330 (0.02206, 0.02452)	0.02351 (0.02227, 0.02476)	0.02349 (0.02226, 0.02474)	0.02351 (0.02229, 0.02476)
noncoding theta_3Hec	5	0.02068 (0.01963, 0.02172)	0.02091 (0.01985, 0.02195)	0.02088 (0.01986, 0.02196)	0.02091 (0.01985, 0.02196)
noncoding theta_3Hec	6	0.01500 (0.01439, 0.01559)	0.01541 (0.01480, 0.01603)	0.01541 (0.01480, 0.01603)	0.01541 (0.01479, 0.01603)
noncoding theta_3Hec	7	0.01432 (0.01377, 0.01488)	0.01449 (0.01394, 0.01506)	0.01447 (0.01394, 0.01505)	0.01449 (0.01393, 0.01504)
noncoding theta_3Hec	8	0.01878 (0.01779, 0.01974)	0.01893 (0.01794, 0.01992)	0.01891 (0.01793, 0.01989)	0.01893 (0.01796, 0.01993)
noncoding theta_3Hec	9	0.02261 (0.02134, 0.02389)	0.02352 (0.02222, 0.02487)	0.02351 (0.02220, 0.02485)	0.02352 (0.02222, 0.02488)
noncoding theta_3Hec	10	0.01319 (0.01275, 0.01363)	0.01320 (0.01276, 0.01364)	0.01321 (0.01277, 0.01366)	0.01320 (0.01275, 0.01364)
noncoding theta_3Hec	11	0.01671 (0.01594, 0.01745)	0.01691 (0.01614, 0.01767)	0.01688 (0.01612, 0.01765)	0.01691 (0.01614, 0.01767)
noncoding theta_3Hec	12	0.01478 (0.01424, 0.01531)	0.01509 (0.01454, 0.01564)	0.01507 (0.01453, 0.01563)	0.01509 (0.01455, 0.01565)
noncoding theta_3Hec	13	0.01390 (0.01341, 0.01436)	0.01396 (0.01349, 0.01444)	0.01399 (0.01350, 0.01446)	0.01396 (0.01348, 0.01444)
noncoding theta_3Hec	14	0.01986 (0.01878, 0.02089)	0.02047 (0.01940, 0.02158)	0.02042 (0.01934, 0.02152)	0.02047 (0.01939, 0.02157)
noncoding theta_3Hec	15	0.01912 (0.01817, 0.02008)	0.01930 (0.01833, 0.02027)	0.01928 (0.01831, 0.02025)	0.01930 (0.01832, 0.02026)
noncoding theta_3Hec	16	0.01965 (0.01869, 0.02064)	0.02040 (0.01939, 0.02142)	0.02038 (0.01938, 0.02142)	0.02040 (0.01936, 0.02140)
noncoding theta_3Hec	17	0.01446 (0.01389, 0.01502)	0.01452 (0.01395, 0.01508)	0.01454 (0.01396, 0.01510)	0.01452 (0.01394, 0.01508)
noncoding theta_3Hec	18	0.01384 (0.01336, 0.01433)	0.01388 (0.01338, 0.01437)	0.01387 (0.01339, 0.01436)	0.01388 (0.01340, 0.01437)
noncoding theta_3Hec	19	0.01283 (0.01237, 0.01327)	0.01291 (0.01245, 0.01336)	0.01290 (0.01243, 0.01334)	0.01291 (0.01245, 0.01336)
noncoding theta_3Hec	20	0.01349 (0.01299, 0.01400)	0.01363 (0.01311, 0.01413)	0.01361 (0.01309, 0.01412)	0.01363 (0.01312, 0.01415)
noncoding theta_4r	1	0.01237 (0.01192, 0.01282)	0.01228 (0.01181, 0.01274)	0.01222 (0.01176, 0.01268)	0.01228 (0.01181, 0.01274)
noncoding theta_4r	2	0.01530 (0.01449, 0.01614)	0.01539 (0.01455, 0.01623)	0.01535 (0.01450, 0.01618)	0.01538 (0.01456, 0.01623)
noncoding theta_4r	3	0.01562 (0.01498, 0.01624)	0.01526 (0.01461, 0.01590)	0.01522 (0.01457, 0.01586)	0.01526 (0.01462, 0.01591)
noncoding theta_4r	4	0.01464 (0.01397, 0.01530)	0.01470 (0.01401, 0.01536)	0.01465 (0.01398, 0.01532)	0.01469 (0.01402, 0.01537)
noncoding theta_4r	5	0.01304 (0.01242, 0.01366)	0.01309 (0.01245, 0.01372)	0.01302 (0.01240, 0.01366)	0.01309 (0.01246, 0.01374)
noncoding theta_4r	6	0.01276 (0.01223, 0.01329)	0.01256 (0.01201, 0.01310)	0.01253 (0.01199, 0.01307)	0.01256 (0.01200, 0.01310)
noncoding theta_4r	7	0.01215 (0.01164, 0.01265)	0.01209 (0.01158, 0.01262)	0.01206 (0.01154, 0.01257)	0.01208 (0.01157, 0.01261)
noncoding theta_4r	8	0.01458 (0.01389, 0.01528)	0.01466 (0.01394, 0.01536)	0.01462 (0.01391, 0.01533)	0.01466 (0.01395, 0.01538)
noncoding theta_4r	9	0.01416 (0.01344, 0.01486)	0.01375 (0.01304, 0.01448)	0.01373 (0.01300, 0.01444)	0.01375 (0.01302, 0.01447)
noncoding theta_4r	10	0.01172 (0.01125, 0.01216)	0.01189 (0.01143, 0.01235)	0.01185 (0.01139, 0.01232)	0.01190 (0.01144, 0.01236)
noncoding theta_4r	11	0.01403 (0.01342, 0.01463)	0.01411 (0.01349, 0.01474)	0.01402 (0.01340, 0.01463)	0.01410 (0.01348, 0.01473)
noncoding theta_4r	12	0.01310 (0.01260, 0.01360)	0.01306 (0.01253, 0.01357)	0.01297 (0.01247, 0.01348)	0.01305 (0.01255, 0.01359)
noncoding theta_4r	13	0.01173 (0.01130, 0.01215)	0.01183 (0.01139, 0.01227)	0.01173 (0.01131, 0.01218)	0.01183 (0.01138, 0.01227)
noncoding theta_4r	14	0.01463 (0.01391, 0.01535)	0.01425 (0.01350, 0.01498)	0.01423 (0.01350, 0.01495)	0.01425 (0.01352, 0.01499)
noncoding theta_4r	15	0.01473 (0.01406, 0.01540)	0.01476 (0.01406, 0.01544)	0.01473 (0.01407, 0.01544)	0.01476 (0.01407, 0.01544)
noncoding theta_4r	16	0.01370 (0.01309, 0.01430)	0.01327 (0.01266, 0.01390)	0.01324 (0.01263, 0.01386)	0.01327 (0.01263, 0.01387)
noncoding theta_4r	17	0.01449 (0.01396, 0.01502)	0.01468 (0.01412, 0.01521)	0.01459 (0.01404, 0.01512)	0.01468 (0.01414, 0.01523)
noncoding theta_4r	18	0.01185 (0.01138, 0.01231)	0.01192 (0.01145, 0.01239)	0.01190 (0.01143, 0.01236)	0.01192 (0.01145, 0.01240)

noncoding theta_4r	19	0.01184 (0.01136, 0.01231)	0.01192 (0.01142, 0.01240)	0.01187 (0.01140, 0.01236)	0.01192 (0.01143, 0.01241)
noncoding theta_4r	20	0.01272 (0.01221, 0.01321)	0.01278 (0.01224, 0.01328)	0.01274 (0.01222, 0.01325)	0.01278 (0.01226, 0.01329)
noncoding theta_4r	21	0.00924 (0.00856, 0.00989)	0.00981 (0.00913, 0.01048)	0.00981 (0.00914, 0.01048)	0.00979 (0.00912, 0.01046)
noncoding theta_5cm	1	0.03431 (0.03283, 0.03578)	0.01517 (0.01412, 0.01624)	0.01847 (0.01751, 0.01943)	0.01518 (0.01413, 0.01627)
noncoding theta_5cm	2	0.02672 (0.02433, 0.02913)	0.01865 (0.01680, 0.02046)	0.01996 (0.01817, 0.02177)	0.01866 (0.01683, 0.02051)
noncoding theta_5cm	3	0.05264 (0.05044, 0.05497)	0.01862 (0.01679, 0.02046)	0.02258 (0.02075, 0.02429)	0.01867 (0.01683, 0.02051)
noncoding theta_5cm	4	0.03005 (0.02822, 0.03188)	0.01844 (0.01678, 0.02014)	0.02098 (0.01938, 0.02266)	0.01847 (0.01677, 0.02014)
noncoding theta_5cm	5	0.03151 (0.02985, 0.03319)	0.01420 (0.01131, 0.01708)	0.02236 (0.02031, 0.02448)	0.01423 (0.01136, 0.01713)
noncoding theta_5cm	6	0.04387 (0.04213, 0.04559)	0.01560 (0.01436, 0.01686)	0.01727 (0.01606, 0.01847)	0.01560 (0.01437, 0.01688)
noncoding theta_5cm	7	0.03024 (0.02876, 0.03175)	0.01702 (0.01580, 0.01825)	0.01958 (0.01844, 0.02076)	0.01702 (0.01578, 0.01823)
noncoding theta_5cm	8	0.03154 (0.02957, 0.03362)	0.02040 (0.01839, 0.02238)	0.02325 (0.02143, 0.02506)	0.02040 (0.01837, 0.02241)
noncoding theta_5cm	9	0.05469 (0.05175, 0.05773)	0.01949 (0.01760, 0.02139)	0.02074 (0.01888, 0.02262)	0.01948 (0.01758, 0.02133)
noncoding theta_5cm	10	0.02071 (0.01968, 0.02173)	0.00242 (0.00045, 0.00463)	0.01127 (0.00961, 0.01286)	0.00228 (0.00032, 0.00446)
noncoding theta_5cm	11	0.03362 (0.03177, 0.03547)	0.01754 (0.01562, 0.01937)	0.02189 (0.02023, 0.02358)	0.01757 (0.01570, 0.01944)
noncoding theta_5cm	12	0.04022 (0.03886, 0.04162)	0.01579 (0.01443, 0.01715)	0.02070 (0.01946, 0.02192)	0.01582 (0.01443, 0.01716)
noncoding theta_5cm	13	0.02653 (0.02546, 0.02764)	0.00887 (0.00641, 0.01127)	0.01836 (0.01720, 0.01957)	0.00889 (0.00643, 0.01125)
noncoding theta_5cm	14	0.05227 (0.04978, 0.05477)	0.02144 (0.01926, 0.02356)	0.02514 (0.02303, 0.02720)	0.02150 (0.01936, 0.02368)
noncoding theta_5cm	15	0.03304 (0.03093, 0.03522)	0.01889 (0.01684, 0.02103)	0.02222 (0.02043, 0.02407)	0.01892 (0.01684, 0.02100)
noncoding theta_5cm	16	0.05265 (0.05016, 0.05515)	0.01758 (0.01593, 0.01920)	0.01924 (0.01763, 0.02090)	0.01759 (0.01592, 0.01921)
noncoding theta_5cm	17	0.02681 (0.02550, 0.02821)	0.00901 (0.00596, 0.01201)	0.01890 (0.01755, 0.02027)	0.00902 (0.00593, 0.01200)
noncoding theta_5cm	18	0.01740 (0.01648, 0.01833)	0.01294 (0.01197, 0.01393)	0.01488 (0.01390, 0.01585)	0.01294 (0.01196, 0.01391)
noncoding theta_5cm	19	0.02314 (0.02206, 0.02424)	0.01375 (0.01262, 0.01489)	0.01667 (0.01568, 0.01766)	0.01372 (0.01256, 0.01484)
noncoding theta_5cm	20	0.02828 (0.02687, 0.02966)	0.01611 (0.01488, 0.01730)	0.01879 (0.01764, 0.01988)	0.01610 (0.01489, 0.01730)
noncoding theta_5cm	21	0.00710 (0.00582, 0.00840)	0.00079 (0.00016, 0.00172)	0.00079 (8e-05, 0.00167)	8e-04 (0.00011, 0.00161)
noncoding theta_6c	1	n/a	0.02559 (0.02411, 0.02712)	0.02301 (0.02065, 0.02536)	0.02551 (0.02397, 0.02702)
noncoding theta_6c	2	n/a	0.04391 (0.03896, 0.04924)	0.04458 (0.03814, 0.05145)	0.04356 (0.03862, 0.04893)
noncoding theta_6c	3	n/a	0.03563 (0.03268, 0.03871)	0.02754 (0.02285, 0.03226)	0.03542 (0.03238, 0.03853)
noncoding theta_6c	4	n/a	0.03781 (0.03409, 0.04173)	0.03098 (0.02612, 0.03634)	0.03762 (0.03380, 0.04147)
noncoding theta_6c	5	n/a	0.02037 (0.01872, 0.02203)	0.01277 (0.00916, 0.01672)	0.02012 (0.01844, 0.02186)
noncoding theta_6c	6	n/a	0.02704 (0.02536, 0.02875)	0.02800 (0.02584, 0.03022)	0.02699 (0.02534, 0.02872)
noncoding theta_6c	7	n/a	0.02713 (0.02520, 0.02910)	0.02481 (0.02213, 0.02754)	0.02698 (0.02505, 0.02895)
noncoding theta_6c	8	n/a	0.03371 (0.03033, 0.03714)	0.02595 (0.02160, 0.03049)	0.03325 (0.02979, 0.03672)
noncoding theta_6c	9	n/a	0.05390 (0.04675, 0.06130)	0.05088 (0.04041, 0.06145)	0.05302 (0.04567, 0.06049)
noncoding theta_6c	10	n/a	0.01349 (0.01275, 0.01424)	0.01038 (0.00928, 0.01145)	0.01334 (0.01254, 0.01415)
noncoding theta_6c	11	n/a	0.02694 (0.02463, 0.02927)	0.02214 (0.01844, 0.02588)	0.02678 (0.02444, 0.02914)
noncoding theta_6c	12	n/a	0.02569 (0.02426, 0.02710)	0.02578 (0.02321, 0.02838)	0.02567 (0.02423, 0.02709)
noncoding theta_6c	13	n/a	0.01394 (0.01320, 0.01467)	0.01157 (0.00996, 0.01326)	0.01389 (0.01317, 0.01464)
noncoding theta_6c	14	n/a	0.03930 (0.03551, 0.04332)	0.03134 (0.02516, 0.03779)	0.03900 (0.03515, 0.04305)
noncoding theta_6c	15	n/a	0.03066 (0.02736, 0.03399)	0.02983 (0.02628, 0.03338)	0.03055 (0.02711, 0.03388)
noncoding theta_6c	16	n/a	0.04089 (0.03703, 0.04481)	0.03363 (0.02801, 0.03936)	0.04026 (0.03640, 0.04442)
noncoding theta_6c	17	n/a	0.01500 (0.01393, 0.01611)	0.01803 (0.01597, 0.01997)	0.01494 (0.01385, 0.01605)
noncoding theta_6c	18	n/a	0.02771 (0.02609, 0.02936)	0.02898 (0.02629, 0.03179)	0.02766 (0.02604, 0.02933)
noncoding theta_6c	19	n/a	0.02277 (0.02081, 0.02470)	0.02459 (0.02265, 0.02665)	0.02263 (0.02071, 0.02461)
noncoding theta_6c	20	n/a	0.02715 (0.02525, 0.02916)	0.02586 (0.02318, 0.02864)	0.02700 (0.02507, 0.02898)
noncoding theta_6c	21	n/a	0.01054 (0.00038, 0.02369)	0.01000 (0.00017, 0.02365)	0.01232 (0.00068, 0.02507)
noncoding theta_7m	1	n/a	0.01877 (0.01621, 0.02136)	0.02923 (0.02610, 0.03241)	0.01888 (0.01635, 0.02152)
noncoding theta_7m	2	n/a	0.01806 (0.00682, 0.03149)	0.02446 (0.01236, 0.03914)	0.02026 (0.00794, 0.03480)
noncoding theta_7m	3	n/a	0.02938 (0.02376, 0.03533)	0.05071 (0.04298, 0.05936)	0.02975 (0.02400, 0.03585)
noncoding theta_7m	4	n/a	0.02234 (0.01852, 0.02641)	0.03920 (0.03433, 0.04450)	0.02269 (0.01873, 0.02682)
noncoding theta_7m	5	n/a	0.01376 (0.01113, 0.01654)	0.03550 (0.03021, 0.04095)	0.01407 (0.01133, 0.01693)
noncoding theta_7m	6	n/a	0.01161 (0.00924, 0.01410)	0.01503 (0.01257, 0.01755)	0.01167 (0.00930, 0.01419)
noncoding theta_7m	7	n/a	0.01820 (0.01563, 0.02091)	0.02719 (0.02403, 0.03035)	0.01838 (0.01576, 0.02110)
noncoding theta_7m	8	n/a	0.02638 (0.02151, 0.03153)	0.04346 (0.03715, 0.05013)	0.02698 (0.02189, 0.03226)
noncoding theta_7m	9	n/a	0.03037 (0.01331, 0.04973)	0.04071 (0.02147, 0.06178)	0.03381 (0.01531, 0.05482)
noncoding theta_7m	10	n/a	0.01004 (0.00018, 0.02390)	0.00111 (0.00055, 0.00169)	0.01163 (0.00065, 0.02593)
noncoding theta_7m	11	n/a	0.02049 (0.01670, 0.02435)	0.03415 (0.02959, 0.03884)	0.02082 (0.01700, 0.02485)
noncoding theta_7m	12	n/a	0.01308 (0.01097, 0.01522)	0.02321 (0.02032, 0.02613)	0.01310 (0.01094, 0.01528)
noncoding theta_7m	13	n/a	0.01504 (0.01335, 0.01679)	0.02591 (0.02383, 0.02799)	0.01509 (0.01341, 0.01684)
noncoding theta_7m	14	n/a	0.02487 (0.01920, 0.03111)	0.04748 (0.03829, 0.05697)	0.02524 (0.01953, 0.03149)
noncoding theta_7m	15	n/a	0.01879 (0.01596, 0.02177)	0.02777 (0.02472, 0.03087)	0.01896 (0.01611, 0.02202)
noncoding theta_7m	16	n/a	0.03874 (0.02645, 0.05248)	0.05320 (0.03938, 0.06907)	0.04037 (0.02720, 0.05484)
noncoding theta_7m	17	n/a	0.01733 (0.01518, 0.01955)	0.02542 (0.02320, 0.02772)	0.01739 (0.01527, 0.01965)
noncoding theta_7m	18	n/a	0.00877 (0.00199, 0.01706)	0.01457 (0.00839, 0.02138)	0.01054 (0.00279, 0.02050)
noncoding theta_7m	19	n/a	0.01486 (0.01339, 0.01635)	0.02056 (0.01892, 0.02216)	0.01495 (0.01349, 0.01647)
noncoding theta_7m	20	n/a	0.01768 (0.01538, 0.02006)	0.02631 (0.02341, 0.02916)	0.01784 (0.01551, 0.02022)
noncoding theta_7m	21	n/a	0.01000 (0.00021, 0.02378)	0.01097 (0.00038, 0.02430)	0.01008 (0.00018, 0.02289)

Table S6. Bayes factors for comparing the four models (I, O, B, 0) using coding and noncoding data on each chromosome from Heliconius

ssion mode	model	chr	phi_m<-c_<00001	phi_m<-c_<0001	phi_m<-c_<001	phi_c<-m_<00001	phi_c<-m_<0001	phi_c<-m_<001
Heliconius)	model I	1	∞	∞	∞	n/a	n/a	n/a
coding	model I	2	∞	∞	∞	n/a	n/a	n/a
coding	model I	3	∞	∞	∞	n/a	n/a	n/a
coding	model I	4	∞	∞	∞	n/a	n/a	n/a
coding	model I	5	∞	∞	∞	n/a	n/a	n/a
coding	model I	6	∞	∞	∞	n/a	n/a	n/a
coding	model I	7	∞	∞	∞	n/a	n/a	n/a
coding	model I	8	∞	∞	∞	n/a	n/a	n/a
coding	model I	9	∞	∞	∞	n/a	n/a	n/a
coding	model I	10	∞	∞	∞	n/a	n/a	n/a
coding	model I	11	∞	∞	∞	n/a	n/a	n/a
coding	model I	12	∞	∞	∞	n/a	n/a	n/a
coding	model I	13	∞	∞	∞	n/a	n/a	n/a
coding	model I	14	∞	∞	∞	n/a	n/a	n/a
coding	model I	15	∞	∞	∞	n/a	n/a	n/a
coding	model I	16	∞	∞	∞	n/a	n/a	n/a
coding	model I	17	∞	∞	∞	n/a	n/a	n/a
coding	model I	18	∞	∞	∞	n/a	n/a	n/a
coding	model I	19	∞	∞	∞	n/a	n/a	n/a
coding	model I	20	∞	∞	∞	n/a	n/a	n/a
coding	model I	21	∞	∞	227.2727	n/a	n/a	n/a
noncoding	model I	1	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	2	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	3	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	4	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	5	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	6	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	7	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	8	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	9	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	10	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	11	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	12	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	13	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	14	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	15	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	16	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	17	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	18	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	19	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	20	∞	∞	∞	n/a	n/a	n/a
noncoding	model I	21	∞	∞	∞	n/a	n/a	n/a
coding	model O	1	n/a	n/a	n/a	∞	∞	∞
coding	model O	2	n/a	n/a	n/a	1.6667	0.9524	0.7027
coding	model O	3	n/a	n/a	n/a	0.2326	0.3356	0.3013
coding	model O	4	n/a	n/a	n/a	∞	∞	∞
coding	model O	5	n/a	n/a	n/a	∞	∞	∞
coding	model O	6	n/a	n/a	n/a	∞	∞	1.1865
coding	model O	7	n/a	n/a	n/a	∞	∞	500.0000
coding	model O	8	n/a	n/a	n/a	2.0000	2.5000	5.2083
coding	model O	9	n/a	n/a	n/a	∞	∞	769.2308
coding	model O	10	n/a	n/a	n/a	2.5000	2.2883	0.6036
coding	model O	11	n/a	n/a	n/a	0.2481	0.3191	0.3866
coding	model O	12	n/a	n/a	n/a	∞	∞	∞
coding	model O	13	n/a	n/a	n/a	0.7463	0.7722	0.5836
coding	model O	14	n/a	n/a	n/a	∞	∞	∞
coding	model O	15	n/a	n/a	n/a	∞	∞	∞
coding	model O	16	n/a	n/a	n/a	∞	5.7143	4.7059
coding	model O	17	n/a	n/a	n/a	∞	∞	149.2537
coding	model O	18	n/a	n/a	n/a	∞	17.8571	2.4728
coding	model O	19	n/a	n/a	n/a	∞	∞	∞
coding	model O	20	n/a	n/a	n/a	∞	∞	∞
coding	model O	21	n/a	n/a	n/a	∞	∞	250.0000
noncoding	model O	1	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	2	n/a	n/a	n/a	∞	∞	13.2100
noncoding	model O	3	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	4	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	5	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	6	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	7	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	8	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	9	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	10	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	11	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	12	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	13	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	14	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	15	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	16	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	17	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	18	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	19	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	20	n/a	n/a	n/a	∞	∞	∞
noncoding	model O	21	n/a	n/a	n/a	∞	∞	∞
coding	model B	1	∞	∞	∞	0.0073	0.0090	0.0136
coding	model B	2	∞	∞	∞	0.0054	0.0063	0.0129
coding	model B	3	∞	∞	∞	0.0140	0.0130	0.0185
coding	model B	4	∞	∞	∞	0.0202	0.0196	0.0254
coding	model B	5	∞	∞	∞	0.0369	0.0325	0.0410
coding	model B	6	∞	∞	∞	0.0028	0.0034	0.0103
coding	model B	7	∞	∞	∞	0.0047	0.0051	0.0113
coding	model B	8	∞	∞	∞	0.0284	0.0306	0.0357
coding	model B	9	∞	∞	∞	0.0133	0.0124	0.0177
coding	model B	10	∞	∞	∞	0.0033	0.0041	0.0109
coding	model B	11	∞	∞	∞	0.0188	0.0273	0.0406
coding	model B	12	∞	∞	∞	0.0028	0.0033	0.0103
coding	model B	13	∞	∞	∞	0.0040	0.0042	0.0107
coding	model B	14	∞	∞	∞	0.0200	0.0241	0.0313
coding	model B	15	∞	∞	∞	0.0104	0.0112	0.0164
coding	model B	16	∞	∞	∞	0.0132	0.0151	0.0216
coding	model B	17	∞	∞	∞	0.0052	0.0056	0.0117
coding	model B	18	∞	∞	∞	0.0041	0.0046	0.0113
coding	model B	19	∞	∞	∞	0.0040	0.0042	0.0107
coding	model B	20	∞	∞	∞	0.0046	0.0051	0.0111
coding	model B	21	0.9091	0.3968	0.4472	0.3704	0.4505	0.4446
noncoding	model B	1	∞	∞	∞	0.0021	0.0025	0.0101
noncoding	model B	2	∞	∞	∞	0.0046	0.0053	0.0116
noncoding	model B	3	∞	∞	∞	0.0043	0.0046	0.0109

noncoding model B	**4**	∞	∞	∞	0.0046	0.0049	0.0111
noncoding model B	**5**	∞	∞	∞	0.0063	0.0067	0.0122
noncoding model B	**6**	∞	∞	∞	0.0011	0.0017	0.0100
noncoding model B	**7**	∞	∞	∞	0.0032	0.0036	0.0104
noncoding model B	**8**	∞	∞	∞	0.0061	0.0067	0.0125
noncoding model B	**9**	∞	∞	∞	0.0086	0.0093	0.0146
noncoding model B	**10**	∞	∞	∞	0.0031	0.0038	0.0105
noncoding model B	**11**	∞	∞	∞	0.0035	0.0041	0.0107
noncoding model B	**12**	∞	∞	∞	0.0012	0.0018	0.0100
noncoding model B	**13**	∞	∞	∞	0.0014	0.0019	0.0100
noncoding model B	**14**	∞	∞	∞	0.0051	0.0059	0.0118
noncoding model B	**15**	∞	∞	∞	0.0043	0.0046	0.0108
noncoding model B	**16**	∞	∞	∞	0.0081	0.0086	0.0142
noncoding model B	**17**	∞	∞	∞	0.0017	0.0021	0.0100
noncoding model B	**18**	∞	∞	∞	0.0010	0.0016	0.0100
noncoding model B	**19**	∞	∞	∞	0.0034	0.0039	0.0103
noncoding model B	**20**	∞	∞	∞	0.0026	0.0031	0.0102
noncoding model B	**21**	1.2821	1.0111	1.1236	1.2821	1.0593	0.8167