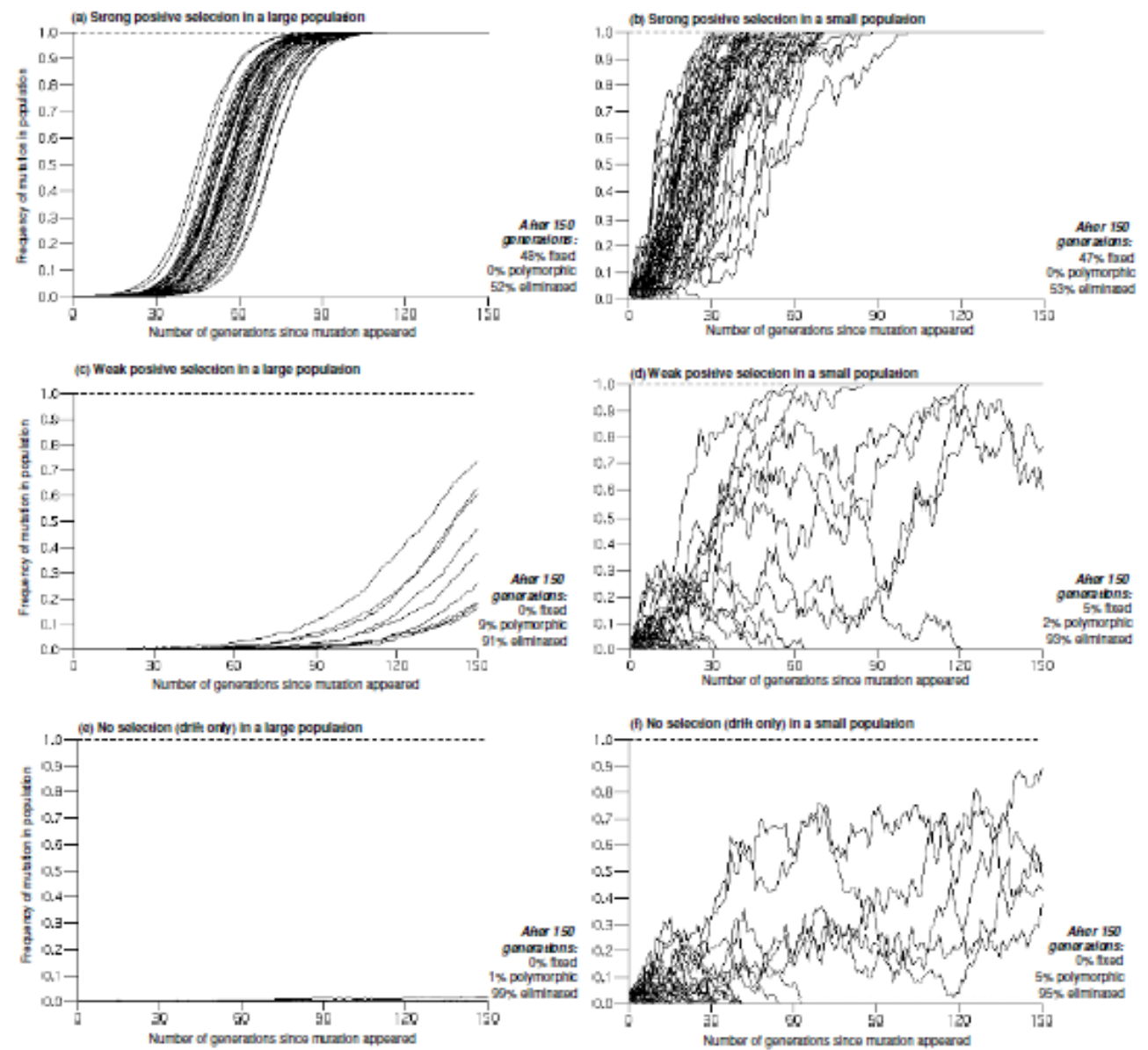
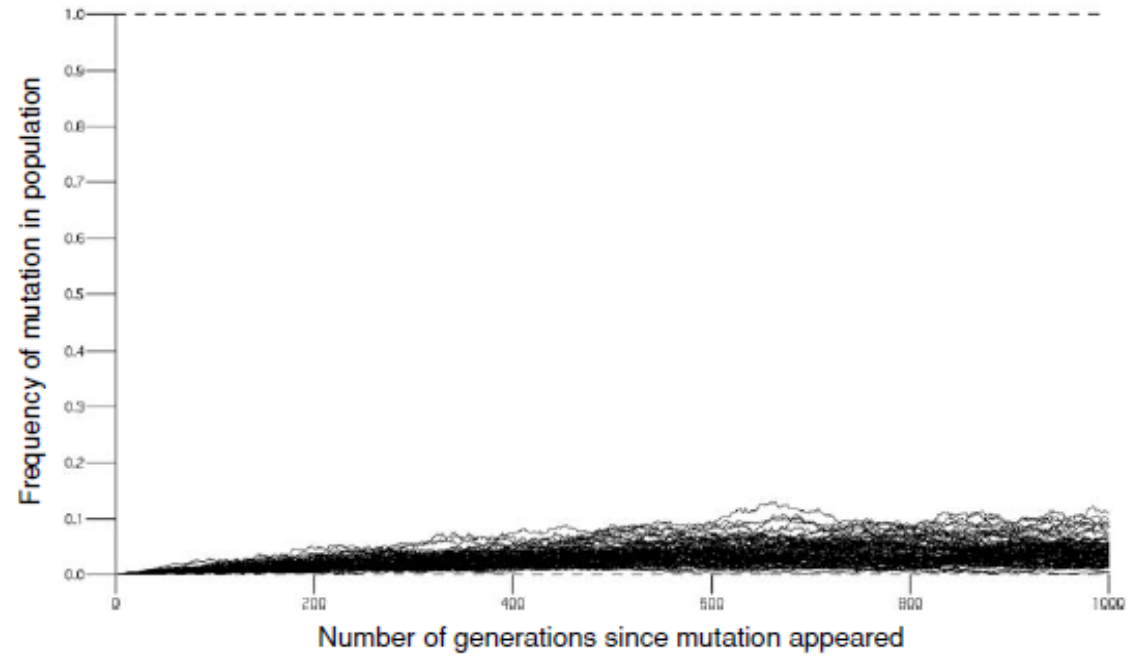
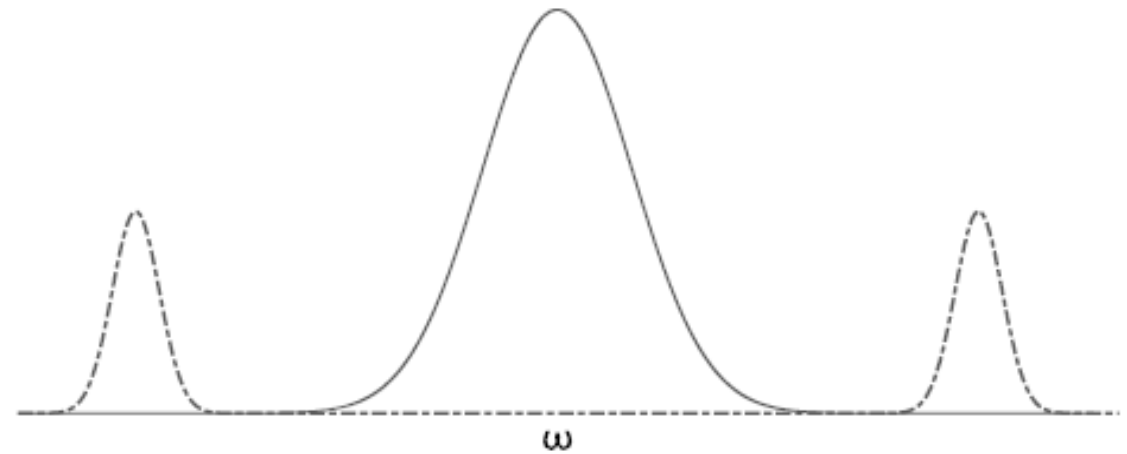
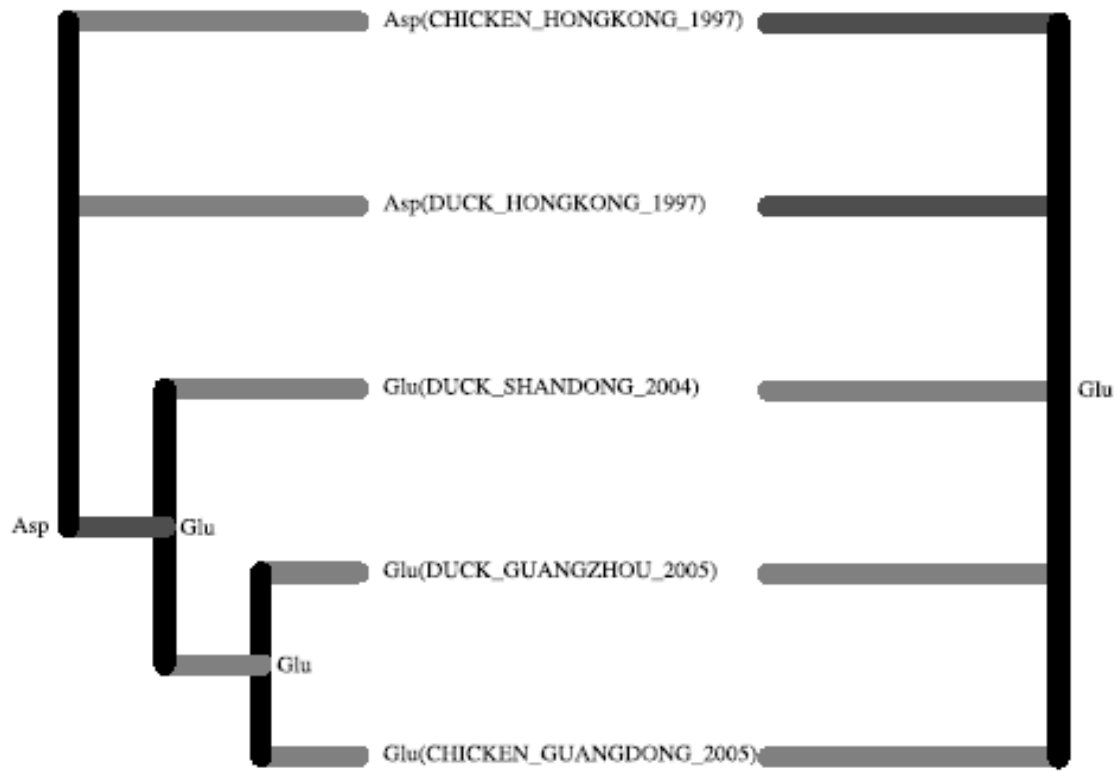
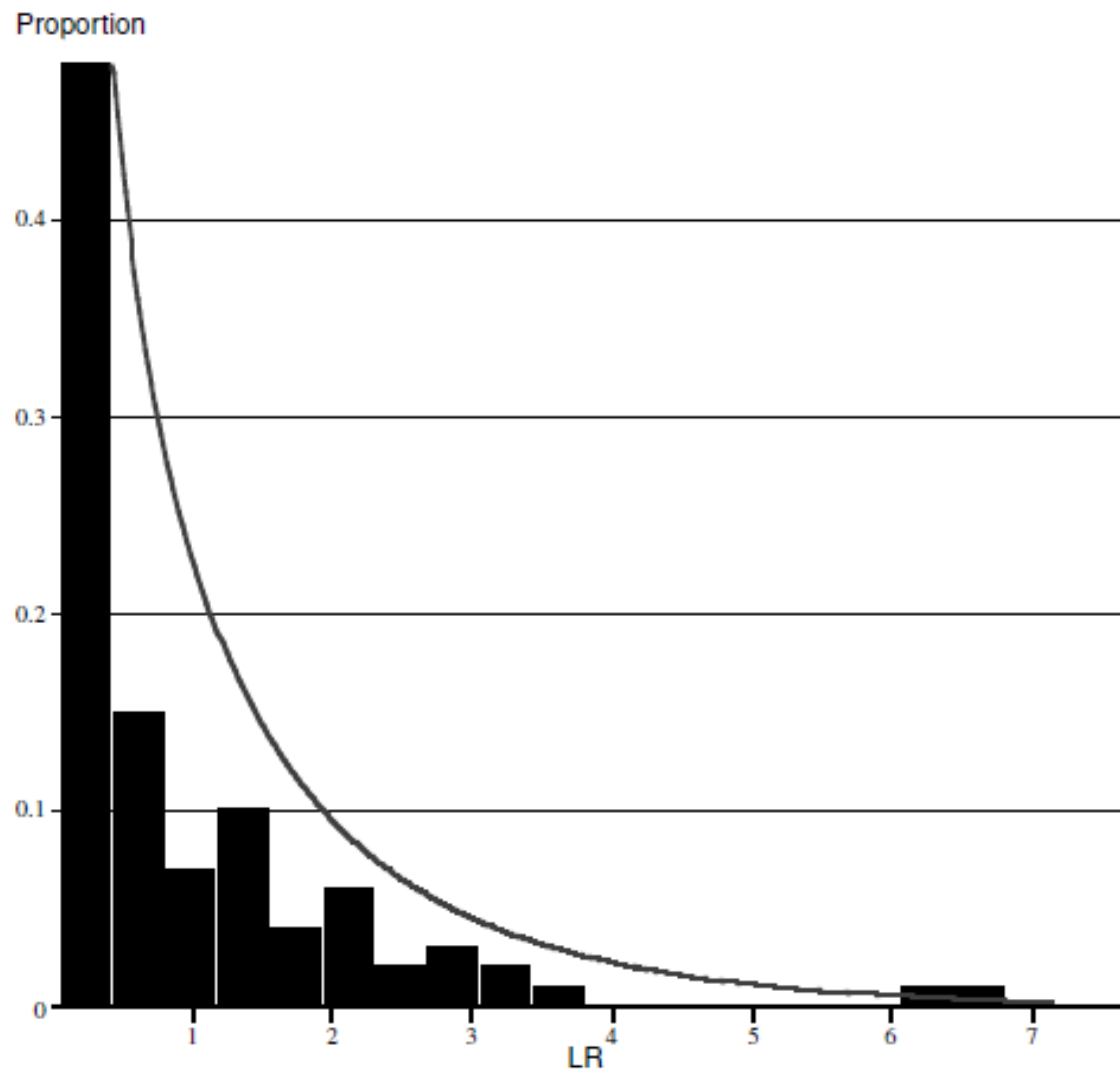


# 13. Doğal seçim ve moleküler dizilerin adaptasyonu

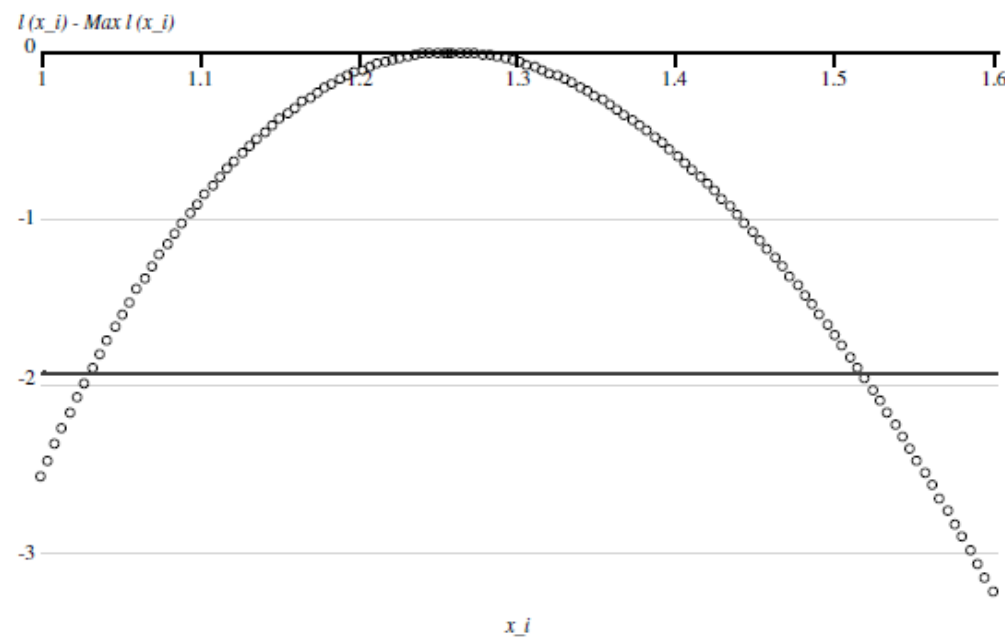


# 14. Seçilim baskısının hesaplanması

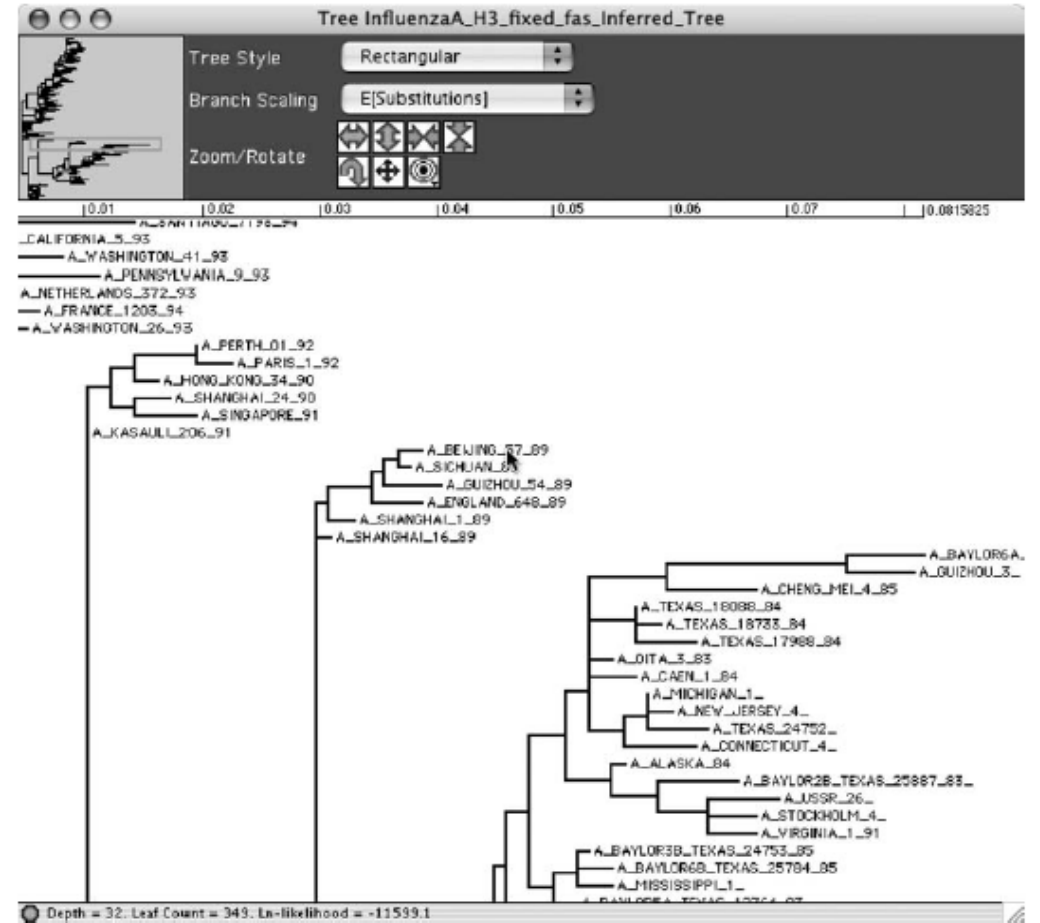
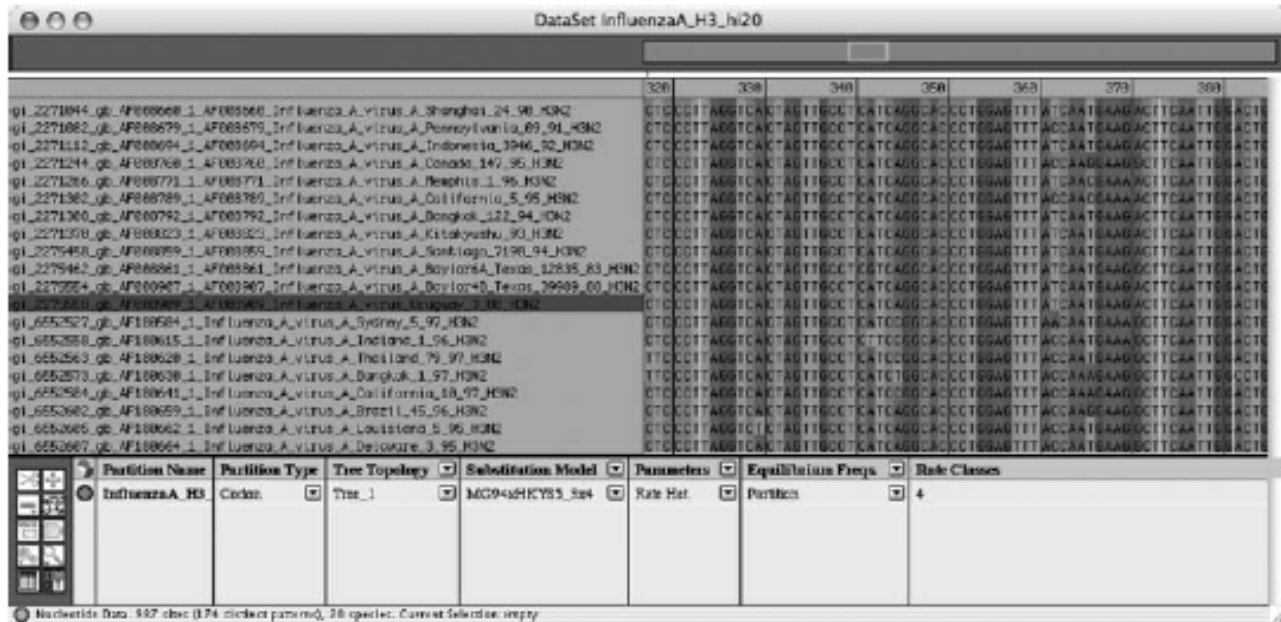




$$I(\theta_1, \dots, \theta_n) = \begin{pmatrix} \frac{\partial^2 l}{\partial \theta_1^2} & \frac{\partial^2 l}{\partial \theta_1 \partial \theta_2} & \cdots & \frac{\partial^2 l}{\partial \theta_1 \partial \theta_n} \\ \vdots & & & \vdots \\ \frac{\partial^2 l}{\partial \theta_n^2} & \frac{\partial^2 l}{\partial \theta_n \partial \theta_2} & \cdots & \frac{\partial^2 l}{\partial \theta_n^2} \end{pmatrix}$$





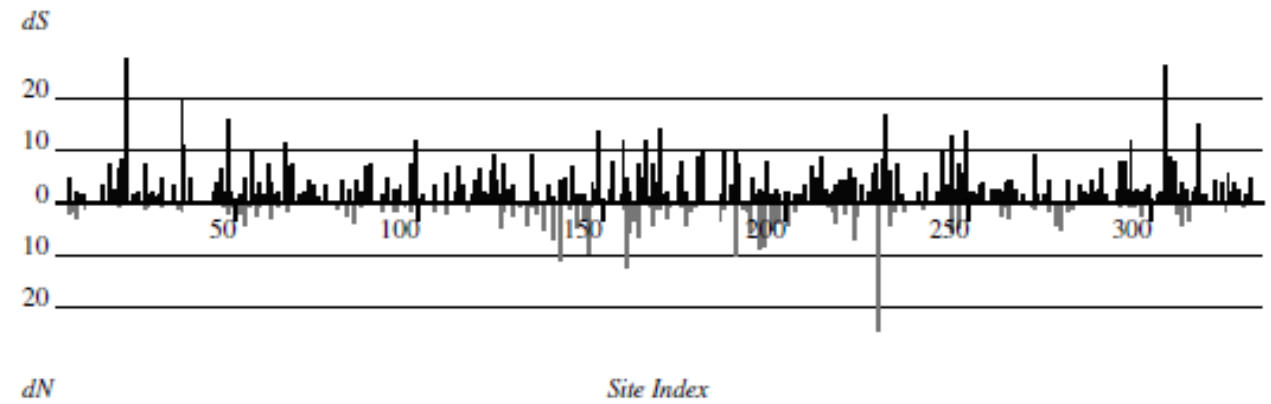


Likelihood parameters for InfluenzaA\_H3\_Random35

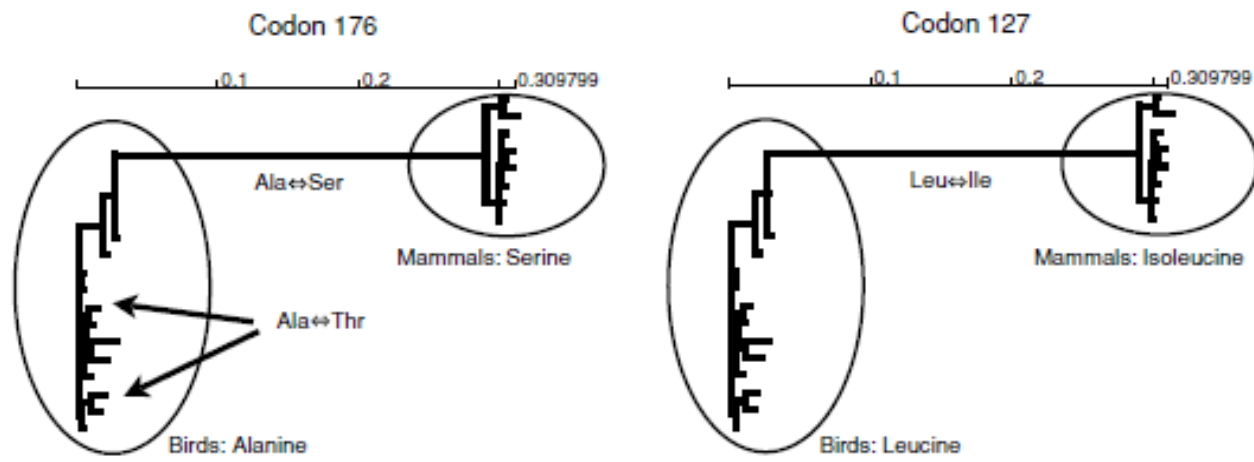
Current LF

Parameter ID	Value	Constraint
InfluenzaA_H3_Random35_tree		
HA_Shared_AC	0.30143	
HA_Shared_AT	0.200079	
HA_Shared_CG	0.30143	HA_Shared_AC
HA_Shared_CT	1	1
HA_Shared_GT	0.200079	HA_Shared_AT
HA_Shared_R	0.487639	
$\theta$ InfluenzaA_H3_Random35_tree A_ANN_ARBOR_3_93.synRate	0.00891064	
$\theta$ InfluenzaA_H3_Random35_tree A_ARGENTINA_207_96.synRate	0.0224131	
$\theta$ InfluenzaA_H3_Random35_tree A_BANGKOK_1_97.synRate	0.0403524	
$\theta$ InfluenzaA_H3_Random35_tree A_BEIJING_46_92.synRate	0.0044381	
$\theta$ InfluenzaA_H3_Random35_tree A_CANBERRA_5_97.synRate	0.0404291	
$\theta$ InfluenzaA_H3_Random35_tree A_CHILE_2115_96.synRate	0	

Log Likelihood = -3119.95, parameter count = 70, AIC = 6379.89.







# 15. Rekombinasyonun tespiti

