HMMTractSummary

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Copy results from python output first.

**YLR406C\_YDL075W**

number of sites to be analyzed: 112 Successfully loaded parameter value from ./save/MG94\_YLR406C\_YDL075W\_nonclock\_save.txt

Tract length 1 lnL: -1178.09920964

Maximum lnL: -1178.06600006

Estimated average tract length: 6.1550018297

Distn of S: [0.12811152551563695, 0.87188847448436302]

Viterbi path: 111011111111111111111110111111111111111111111111111111111111111111111111111111111111111111111111111111111111111

**YER131W\_YGL189C**

number of sites to be analyzed: 118 Successfully loaded parameter value from ./save/MG94\_YER131W\_YGL189C\_nonclock\_save.txt

Tract length 1 lnL: -1205.18473018

Maximum lnL: -1204.90802983

Estimated average tract length: 11.2453861807

Distn of S: [0.14958855151085834, 0.85041144848914163]

Viterbi path: 111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111

**YML026C\_YDR450W**

number of sites to be analyzed: 140 Successfully loaded parameter value from ./save/MG94\_YML026C\_YDR450W\_nonclock\_save.txt

Tract length 1 lnL: -1377.2454535

Maximum lnL: -1377.2454535

Estimated average tract length: 2.99999997

Distn of S: [0.014615444094075314, 0.98538455590592466]

Viterbi path: 1111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111

**YNL301C\_YOL120C**

number of sites to be analyzed: 185 Successfully loaded parameter value from ./save/MG94\_YNL301C\_YOL120C\_nonclock\_save.txt

Tract length 1 lnL: -2139.30766039

Maximum lnL: -2132.81419396

Estimated average tract length: 302.895545733

Distn of S: [0.019659313769755476, 0.98034068623024451]

Viterbi path: 1111111111111111111110010111111011111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111

**YNL069C\_YIL133C**

number of sites to be analyzed: 197 Successfully loaded parameter value from ./save/MG94\_YNL069C\_YIL133C\_nonclock\_save.txt

Tract length 1 lnL: -2322.82896807

Maximum lnL: -2322.82896807

Estimated average tract length: 2.99999997

Distn of S: [0.090606748227913703, 0.9093932517720863]

Viterbi path: 1111011111111111111111011101110111011111111111111011111111111111111111111111101111111111110111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111011111

**YMR143W\_YDL083C**

number of sites to be analyzed: 134 Successfully loaded parameter value from ./save/MG94\_YMR143W\_YDL083C\_nonclock\_save.txt

Tract length 1 lnL: -1209.75162828

Maximum lnL: -1209.68742438

Estimated average tract length: 62.0817489348

Distn of S: [0.02365226085851212, 0.97634773914148787]

Viterbi path: 1111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111

**YJL177W\_YKL180W**

number of sites to be analyzed: 183 Successfully loaded parameter value from ./save/MG94\_YJL177W\_YKL180W\_nonclock\_save.txt

Tract length 1 lnL: -1837.05819398

Maximum lnL: -1834.2175276

Estimated average tract length: 137.401277876

Distn of S: [0.11638119224469927, 0.88361880775530077]

Viterbi path: 11111111111111001110111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111

**YBR191W\_YPL079W**

number of sites to be analyzed: 159 Successfully loaded parameter value from ./save/MG94\_YBR191W\_YPL079W\_nonclock\_save.txt

Tract length 1 lnL: -1467.29433328

Maximum lnL: -1465.68440644

Estimated average tract length: 21.2799038557

Distn of S: [0.018170250733749994, 0.98182974926625]

Viterbi path: 11111111111111111111111111110111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111

**YER074W\_YIL069C**

number of sites to be analyzed: 133 Successfully loaded parameter value from ./save/MG94\_YER074W\_YIL069C\_nonclock\_save.txt

Tract length 1 lnL: -1251.96336798

Maximum lnL: -1251.96336798

Estimated average tract length: 3.00020461329

Distn of S: [0.00026479460099891621, 0.99973520539900107]

Viterbi path: 111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111

**YDR418W\_YEL054C**

number of sites to be analyzed: 163 Successfully loaded parameter value from ./save/MG94\_YDR418W\_YEL054C\_nonclock\_save.txt

Tract length 1 lnL: -1739.17627743

Maximum lnL: -1735.41755242

Estimated average tract length: 129.351142319

Distn of S: [0.12697320125651151, 0.87302679874348854]

Viterbi path: 111111111111111111111111110111111011001111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111

**YBL087C\_YER117W**

number of sites to be analyzed: 136 Successfully loaded parameter value from ./save/MG94\_YBL087C\_YER117W\_nonclock\_save.txt

Tract length 1 lnL: -1367.67929581

Maximum lnL: -1361.96868504

Estimated average tract length: 156.350951847

Distn of S: [0.023088028440877761, 0.97691197155912224]

Viterbi path: 111111111001001101111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111

**YLR333C\_YGR027C**

number of sites to be analyzed: 107 Successfully loaded parameter value from ./save/MG94\_YLR333C\_YGR027C\_nonclock\_save.txt

Tract length 1 lnL: -1261.99918265

Maximum lnL: -1261.99918128

Estimated average tract length: 3.00348080501

Distn of S: [0.0022496590416216664, 0.99775034095837833]

Viterbi path: 1111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111

**YMR142C\_YDL082W**

number of sites to be analyzed: 197 Successfully loaded parameter value from ./save/MG94\_YMR142C\_YDL082W\_nonclock\_save.txt

Tract length 1 lnL: -2054.05075111

Maximum lnL: -2043.74185338

Estimated average tract length: 595.579239106

Distn of S: [0.00094556380266131324, 0.99905443619733869]

Viterbi path: 1111111101001111111111111111100001111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111

**YER102W\_YBL072C**

number of sites to be analyzed: 198 Successfully loaded parameter value from ./save/MG94\_YER102W\_YBL072C\_nonclock\_save.txt

Tract length 1 lnL: -2058.95626157

Maximum lnL: -2055.38080749

Estimated average tract length: 107.265137373

Distn of S: [0.0019882191790201106, 0.99801178082097985]

Viterbi path: 11111111111111110111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111

Now plot posterior log likelihood ratio: $ log($.

rm(list=ls()) # clean up workspace  
setwd("/Users/xji3/GitFolders/YeastIGCTract/HMMTract/")  
finished.pairs <- readLines('../Filtered\_pairs.txt')