

PrimateSummary

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1, Read in tables

```
rm(list=ls()) # clean up workspace
path <- "/Users/xji3/Genconv/NewClusterPackRun/NewPackageNewRun/"
summary.list <- c( "HKY_nonclock_summary",
                  "HKY_clock_summary",
                  "MG94_clock_summary",
                  "MG94_nonclock_summary",
                  "Force_HKY_clock_summary",
                  "Force_HKY_nonclock_summary",
                  "Force_MG94_clock_summary",
                  "Force_MG94_nonclock_summary"
                )
for (target.summary in summary.list){
  summary_file <- paste(path, target.summary, '_Primate.txt', sep = '')
  all <- readLines(summary_file, n = -1)
  col.names <- strsplit(all[1], ' ')[[1]][-1]
  row.names <- strsplit(all[length(all)], ' ')[[1]][-1]
  summary_mat <- as.matrix(read.table(summary_file,
                                     row.names = row.names,
                                     col.names = col.names))

  assign(target.summary, summary_mat)
}

# HKY Model Summarys
ECP.EDN.HKY <- cbind(HKY_nonclock_summary, HKY_clock_summary,
                    Force_HKY_nonclock_summary,
                    Force_HKY_clock_summary)
ECP.EDN.HKY.colnames <- c("nonclock", "clock",
                        "force nonclock", "force clock")
colnames(ECP.EDN.HKY) <- ECP.EDN.HKY.colnames
```

ECP.EDN.HKY

##	nonclock	clock	force nonclock	force clock
## length	4.710e+02	4.710e+02	4.710e+02	4.710e+02
## ll	-1.717e+03	-1.720e+03	-1.730e+03	-1.732e+03
## pi_a	2.808e-01	2.812e-01	2.836e-01	2.836e-01
## pi_c	2.566e-01	2.562e-01	2.556e-01	2.551e-01
## pi_g	2.085e-01	2.086e-01	2.094e-01	2.096e-01
## pi_t	2.540e-01	2.540e-01	2.514e-01	2.517e-01
## kappa	2.110e+00	2.132e+00	2.132e+00	2.132e+00
## tau	1.806e+00	1.697e+00	0.000e+00	0.000e+00
## (N0,N1)	7.106e-02	6.678e-02	4.832e-02	4.702e-02
## (N0,Tamarin)	1.037e-01	1.075e-01	1.177e-01	1.185e-01
## (N1,N2)	8.810e-03	1.619e-02	1.518e-02	2.021e-02
## (N1,Macaque)	5.153e-02	4.068e-02	5.944e-02	4.955e-02
## (N2,N3)	1.099e-02	1.875e-02	1.508e-02	2.248e-02
## (N2,Orangutan)	3.007e-02	2.449e-02	3.346e-02	2.934e-02
## (N3,Chimpanzee)	4.585e-03	5.734e-03	5.683e-03	6.856e-03
## (N3,Gorilla)	5.036e-03	5.734e-03	6.267e-03	6.856e-03
## (N0,N1,tau)	1.792e+00	1.658e+00	0.000e+00	0.000e+00
## (N0,Tamarin,tau)	0.000e+00	0.000e+00	0.000e+00	0.000e+00
## (N1,N2,tau)	1.361e+00	1.481e+00	0.000e+00	0.000e+00
## (N1,Macaque,tau)	1.360e+00	1.187e+00	0.000e+00	0.000e+00
## (N2,N3,tau)	1.401e+00	1.167e+00	0.000e+00	0.000e+00
## (N2,Orangutan,tau)	3.113e+00	3.498e+00	0.000e+00	0.000e+00
## (N3,Chimpanzee,tau)	1.438e+00	1.209e+00	0.000e+00	0.000e+00
## (N3,Gorilla,tau)	1.382e+00	1.224e+00	0.000e+00	0.000e+00

MG94 Models

```
zeros <- matrix(0.0, 8, 1)
rownames(zeros) <- rownames(MG94_nonclock_summary)[18:25]
ECP.EDN.MG94 <- cbind(MG94_nonclock_summary, MG94_clock_summary,
                      rbind(Force_MG94_nonclock_summary, zeros),
                      rbind(Force_MG94_clock_summary, zeros))
ECP.EDN.MG94.colnames <- c("nonclock", "clock",
                           "force nonclock", "force clock")
colnames(ECP.EDN.MG94) <- ECP.EDN.MG94.colnames
```

ECP.EDN.MG94

##	nonclock	clock	force nonclock	force clock
## length	1.570e+02	1.570e+02	1.570e+02	1.570e+02
## ll	-1.701e+03	-1.704e+03	-1.714e+03	-1.717e+03
## pi_a	2.910e-01	2.917e-01	2.927e-01	2.928e-01
## pi_c	2.434e-01	2.427e-01	2.426e-01	2.421e-01
## pi_g	2.069e-01	2.069e-01	2.076e-01	2.078e-01
## pi_t	2.587e-01	2.587e-01	2.570e-01	2.573e-01
## kappa	2.062e+00	2.089e+00	2.101e+00	2.102e+00
## omega	8.271e-01	8.388e-01	9.043e-01	9.066e-01
## tau	6.313e-01	6.207e-01	0.000e+00	0.000e+00
## (N0,N1)	1.991e-01	1.961e-01	1.440e-01	1.400e-01
## (N0,Tamarin)	3.253e-01	3.269e-01	3.556e-01	3.580e-01
## (N1,N2)	3.196e-02	5.181e-02	4.520e-02	6.044e-02
## (N1,Macaque)	1.565e-01	1.250e-01	1.778e-01	1.480e-01
## (N2,N3)	3.455e-02	5.566e-02	4.512e-02	6.707e-02
## (N2,Orangutan)	8.979e-02	7.323e-02	9.986e-02	8.757e-02
## (N3,Chimpanzee)	1.427e-02	1.757e-02	1.704e-02	2.050e-02
## (N3,Gorilla)	1.597e-02	1.757e-02	1.876e-02	2.050e-02
## (N0,N1,tau)	5.204e-01	5.194e-01	0.000e+00	0.000e+00
## (N0,Tamarin,tau)	0.000e+00	0.000e+00	0.000e+00	0.000e+00
## (N1,N2,tau)	4.163e-01	4.911e-01	0.000e+00	0.000e+00
## (N1,Macaque,tau)	3.748e-01	3.374e-01	0.000e+00	0.000e+00
## (N2,N3,tau)	4.486e-01	4.106e-01	0.000e+00	0.000e+00
## (N2,Orangutan,tau)	1.072e+00	1.231e+00	0.000e+00	0.000e+00
## (N3,Chimpanzee,tau)	4.869e-02	6.295e-02	0.000e+00	0.000e+00
## (N3,Gorilla,tau)	4.722e-01	4.330e-01	0.000e+00	0.000e+00