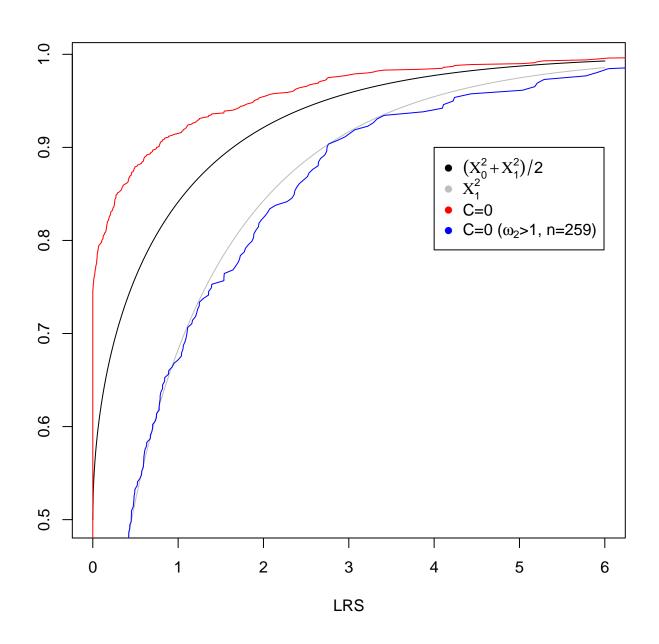
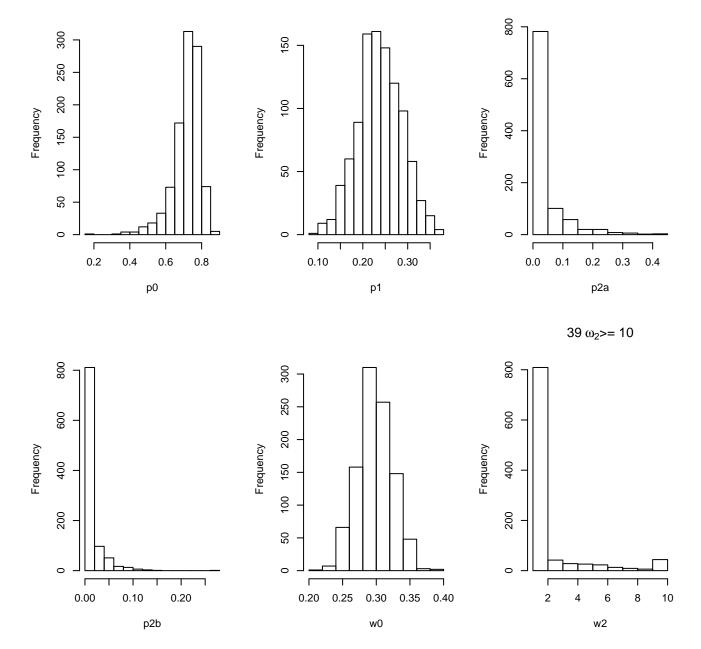
- Simulation under the null for branch-site model A
- Symmetric, 8-taxon tree with one foreground branch The total tree length is 3. tree: (((A#1:0.214286,B:0.214286):0.214286,(C:0.214286,D:0.214286):0.214286):0.214286,((E:0.214286,F:0.214286):0.214286,(G:0.214286,H:0.214286):0.214286):0.214286);
- $\kappa = 2.0 \ p_0 = 0.75 \ p_1 = 0.25 \ \omega_0 = 0.3$





```
> subset (params, w2>=10)
      p0
                 p1
                          p2a
                                    p2b
                                                w0
                                                             w2
0.66806 \ \ 0.32417 \ \ 0.00523 \ \ 0.00254 \ \ 0.29262
                                                      11.40713
0.74277 \ \ 0.25290 \ \ 0.00323 \ \ 0.00110 \ \ 0.29100
                                                      63.02795
0.83833 \ 0.15722 \ 0.00375 \ 0.00070 \ 0.34804
                                                    663.19371
0.71539 \ 0.27553 \ 0.00656 \ 0.00253 \ 0.28696
                                                      45.42719
0.76112 \ 0.23217 \ 0.00514 \ 0.00157 \ 0.29497
                                                      28.47234
0.78927 \ 0.20013 \ 0.00845 \ 0.00214 \ 0.32839
                                                    998.99965
0.72141 \ \ 0.27009 \ \ 0.00619 \ \ 0.00232 \ \ 0.28625
                                                      90.59841
0.75694 \ 0.23114 \ 0.00913 \ 0.00279 \ 0.32758
                                                    159.83998
0.69529 \ \ 0.28448 \ \ 0.01436 \ \ 0.00587 \ \ 0.30877
                                                      11.14156
0.75828 \ 0.23864 \ 0.00235 \ 0.00074 \ 0.32390
                                                    999.00000
0.77731 \ \ 0.21691 \ \ 0.00452 \ \ 0.00126 \ \ 0.30700
                                                      42.87754
0.68340 \ 0.30325 \ 0.00925 \ 0.00410 \ 0.27158
                                                      12.87590
0.68478 \ \ 0.30585 \ \ 0.00647 \ \ 0.00289 \ \ 0.27623
                                                      80.35478
0.76661 \ 0.22596 \ 0.00574 \ 0.00169 \ 0.27745
                                                    998.99969
0.67546 \ \ 0.31922 \ \ 0.00361 \ \ 0.00171 \ \ 0.27283
                                                      11.40887
0.79381 \ 0.19562 \ 0.00848 \ 0.00209 \ 0.31121
                                                      14.57206
0.71717 \ \ 0.27323 \ \ 0.00695 \ \ 0.00265 \ \ 0.24705
                                                      15.84686
0.77950 \ \ 0.21497 \ \ 0.00433 \ \ 0.00119 \ \ 0.33214
                                                    692.41967
0.77098 \ \ 0.21896 \ \ 0.00783 \ \ 0.00222 \ \ 0.30197
                                                      13.50125
0.79101 \ 0.20304 \ 0.00474 \ 0.00122 \ 0.29936
                                                    672.10568
0.77265 \ \ 0.20377 \ \ 0.01866 \ \ 0.00492 \ \ 0.31806
                                                      10.93935
0.71447 \ \ 0.27844 \ \ 0.00510 \ \ 0.00199 \ \ 0.29404
                                                      14.42786
0.69474 \ \ 0.29347 \ \ 0.00829 \ \ 0.00350 \ \ 0.27703
                                                      18.76982
0.74259 \ \ 0.23647 \ \ 0.01589 \ \ 0.00506 \ \ 0.30013
                                                      64.98670
0.73578 \ 0.25558 \ 0.00641 \ 0.00223 \ 0.29561
                                                      36.50829
0.66396 \quad 0.32715 \quad 0.00595 \quad 0.00293 \quad 0.28102
                                                      17.73306
0.80797 \ \ 0.17788 \ \ 0.01160 \ \ 0.00255 \ \ 0.31680
                                                      11.42403
0.83595 \ \ 0.15437 \ \ 0.00817 \ \ 0.00151 \ \ 0.31905
                                                      15.49704
0.77730 \ 0.21161 \ 0.00872 \ 0.00237 \ 0.29618
                                                      42.27299
0.73124 \ \ 0.26019 \ \ 0.00632 \ \ 0.00225 \ \ 0.31894
                                                    998.99969
0.71541 \ \ 0.28216 \ \ 0.00174 \ \ 0.00069 \ \ 0.29553
                                                      52.92020
0.67430 \ 0.31836 \ 0.00498 \ 0.00235 \ 0.25440
                                                      21.75579
0.81092 \ \ 0.18177 \ \ 0.00597 \ \ 0.00134 \ \ 0.32588
                                                      13.58634
0.72490 \ \ 0.26573 \ \ 0.00686 \ \ 0.00251 \ \ 0.28425
                                                      25.39505
0.72122 \ \ 0.27454 \ \ 0.00307 \ \ 0.00117 \ \ 0.25432
                                                      35.11208
0.71240 \ 0.26782 \ 0.01438 \ 0.00541 \ 0.29446
                                                      12.35679
0.69327 \ 0.29980 \ 0.00484 \ 0.00209 \ 0.29772
                                                      14.21954
0.69064 \ \ 0.30322 \ \ 0.00426 \ \ 0.00187 \ \ 0.25633
                                                      31.60063
0.71727 \ \ 0.27603 \ \ 0.00484 \ \ 0.00186 \ \ 0.25009
                                                      10.37322
```