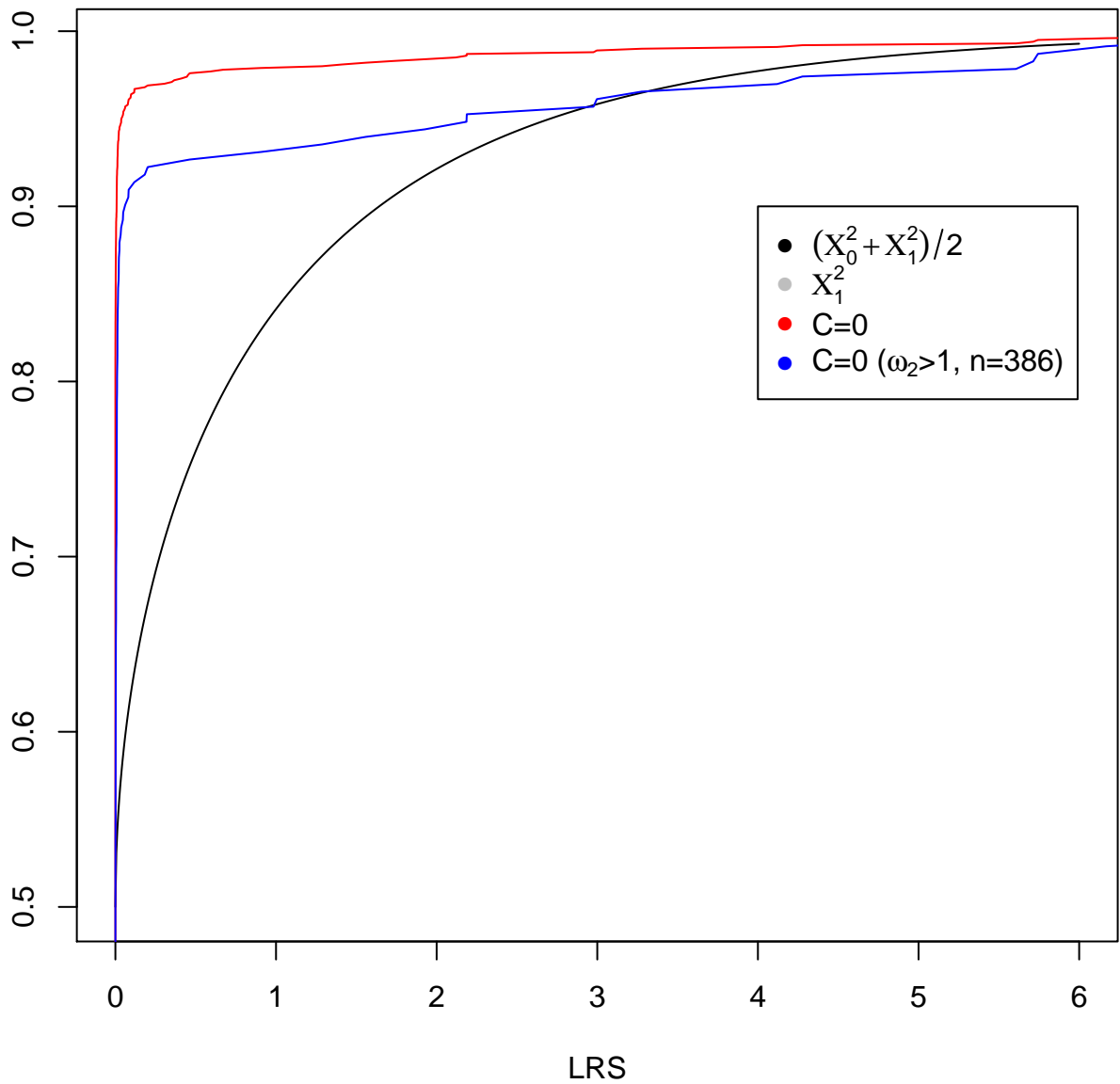
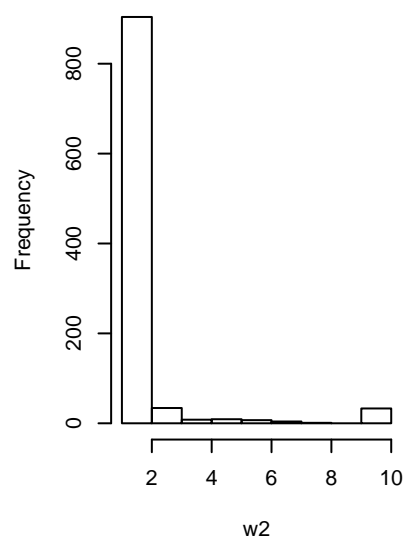
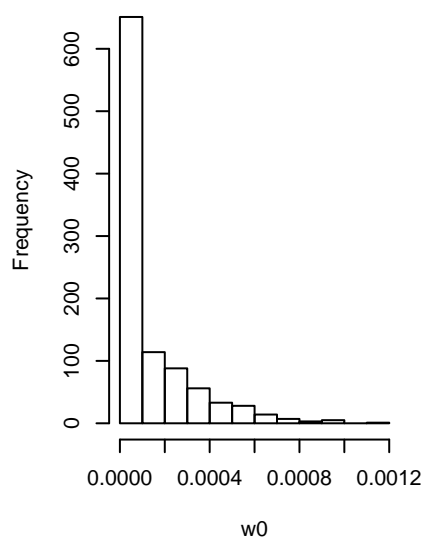
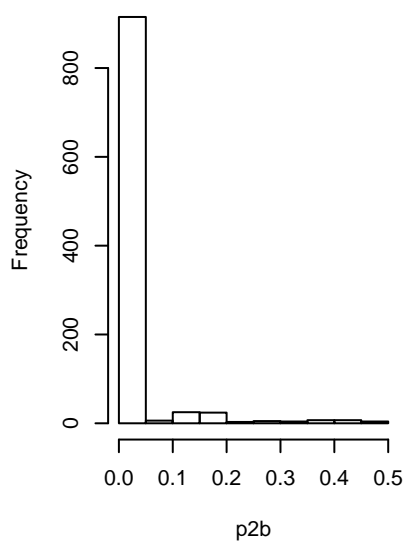
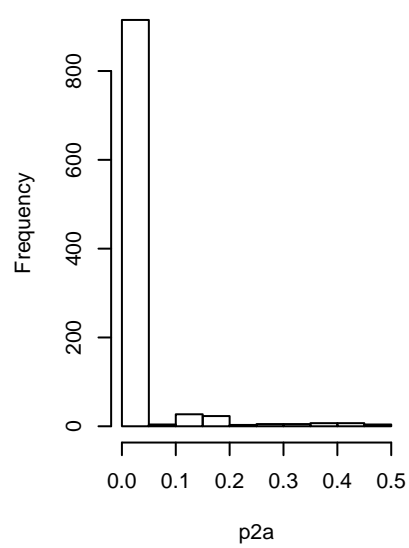
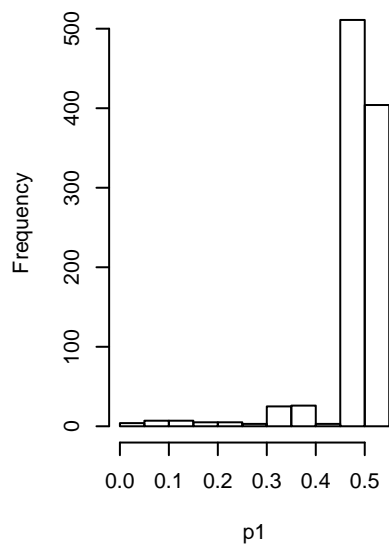
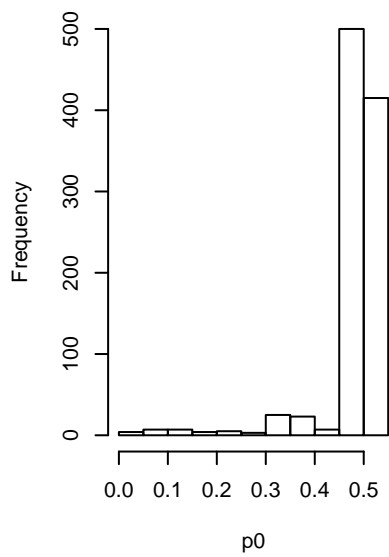
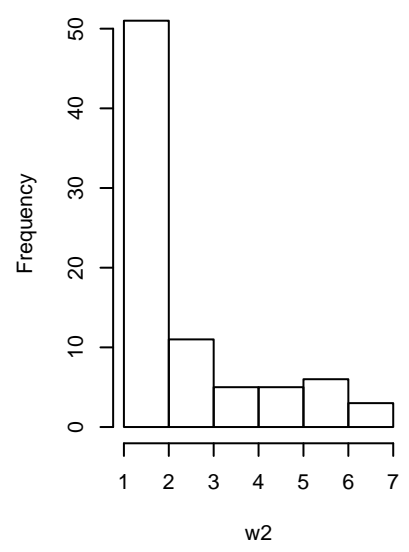
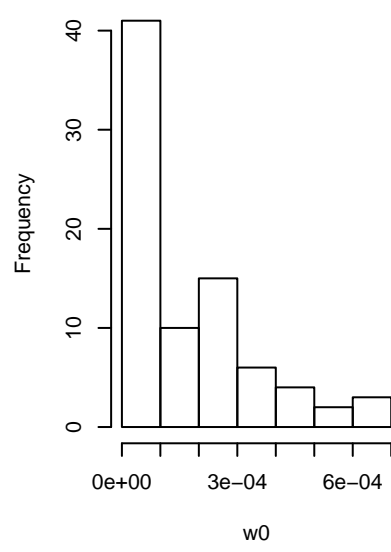
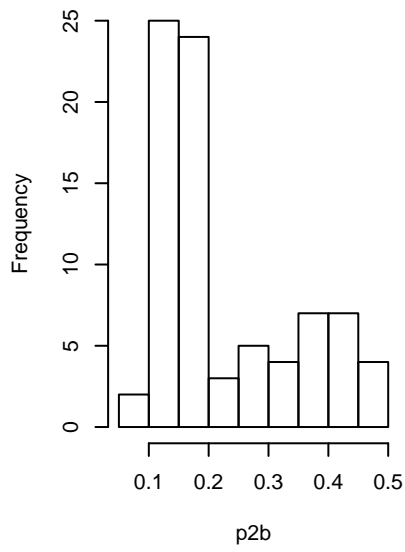
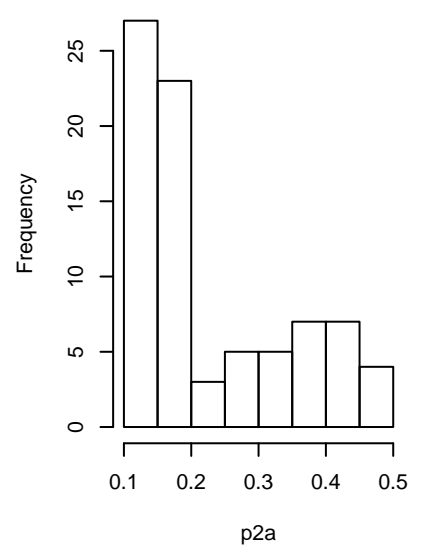
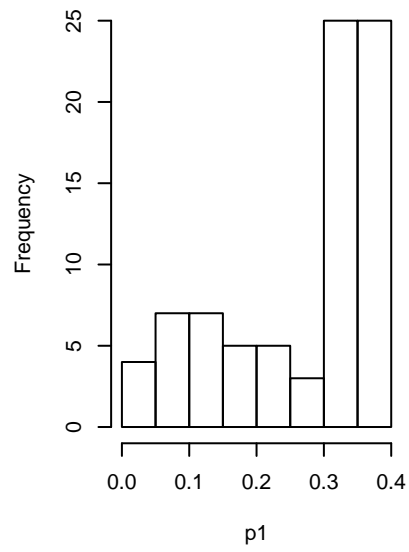
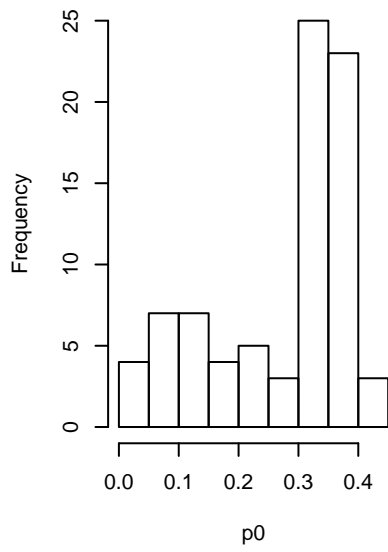


- Simulation under the null for branch-site model A
- Symmetric (ignoring branch lengths), 8-taxon tree with one foreground branch
The total tree length is 6 (3 in previous sims) and now the foreground branch is 1/10th the length of the background branches.
tree: (((A#1:0.0458015,B:0.458015):0.458015,(C:0.458015,D:0.458015):0.458015):0.458015,((E:0.458015,F:0.458015):0.458015,(G:0.458015,H:0.458015):0.458015):0.458015);
- $\kappa = 2.0$ $p_0 = 0.5$ $p_1 = 0.5$ $\omega_0 = 0$





These plots are for a subset of the data: $p2a > 0.1$ or $p2b > 0.1$.



```
> subset(params,w2>=10)
```

	p0	p1	p2a	p2b	w0	w2
	0.50747	0.49227	0.00013	0.00013	0.00018	13.17148
	0.48870	0.51093	0.00018	0.00019	0.00015	999.00000
	0.50536	0.49464	0.00000	0.00000	0.00014	18.98596
	0.50703	0.49296	0.00001	0.00001	0.00010	31.19575
	0.50143	0.49633	0.00112	0.00111	0.00000	29.66478
	0.50443	0.49555	0.00001	0.00001	0.00000	23.01739
	0.50697	0.49303	0.00000	0.00000	0.00000	25.81588
	0.49460	0.50540	0.00000	0.00000	0.00000	32.79931
	0.50356	0.49543	0.00051	0.00050	0.00001	24.28210
	0.49409	0.50588	0.00001	0.00001	0.00010	18.14854
	0.50834	0.49107	0.00030	0.00029	0.00021	88.60212
	0.49282	0.50643	0.00037	0.00038	0.00047	51.18785
	0.49817	0.49918	0.00132	0.00132	0.00000	11.99442
	0.49402	0.50556	0.00021	0.00021	0.00000	84.47536
	0.49262	0.50688	0.00025	0.00025	0.00000	88.04776
	0.49682	0.50233	0.00042	0.00043	0.00044	25.17260
	0.49262	0.50701	0.00018	0.00019	0.00000	999.00000
	0.50329	0.49504	0.00084	0.00083	0.00000	16.14985
	0.50071	0.49894	0.00017	0.00017	0.00012	11.50677
	0.50274	0.49725	0.00000	0.00000	0.00000	31.59949
	0.49707	0.50183	0.00055	0.00055	0.00000	14.07986
	0.49205	0.50784	0.00005	0.00006	0.00029	19.42556
	0.49596	0.50404	0.00000	0.00000	0.00008	25.18345
	0.50983	0.49017	0.00000	0.00000	0.00000	13.22519
	0.50971	0.49029	0.00000	0.00000	0.00000	23.99565
	0.50285	0.49618	0.00049	0.00048	0.00000	19.15881
	0.49745	0.50112	0.00072	0.00072	0.00004	28.66388
	0.50350	0.49596	0.00027	0.00027	0.00012	45.51805
	0.50193	0.49782	0.00012	0.00012	0.00012	12.18804
	0.50254	0.49746	0.00000	0.00000	0.00000	21.39871
	0.49759	0.50167	0.00037	0.00037	0.00000	58.96461
	0.49359	0.50550	0.00045	0.00046	0.00000	64.16664