

# Libpll full tree CLV update benchmarks

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## 1 Benchmark

### CPU architecture, 50 iterations

	seq59	seq128	seq404
tip pattern mode	11452ms	138825ms	172807ms
repeats 1000000	9676ms	99169ms	74285ms
bmorel sites repeats (ti opt) 1000000	6395ms	62275ms	44502ms

### CPU architecture, 500 iterations, compare with bCLV lookup

	seq59	seq128	seq404
repeats 1000000	1921ms	20140ms	15252ms
bmorel sites repeats (ti opt) 1000000	1353ms	13037ms	9130ms

### CPU architecture, 500 iterations

	seq59	seq128	seq404
tip pattern	60ms	789ms	990ms
repeats 1000000	43ms	270ms	233ms
repeats 1000000 no update	22ms	212ms	153ms
bmorel sites repeats (ti opt) 1000000	23ms	238ms	195ms
bmorel sites repeats no update (ti opt) 1000000	18ms	183ms	128ms