

# Libpll full tree CLV update benchmarks

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## 1 Benchmark

**Bench likelihood**

	seq59	seq128	seq404	kyte
tipinner	181ms	1112ms	424ms	22796ms
repeats	176ms	1104ms	420ms	21970ms

**Bench sumtables**

	seq59	seq128	seq404	kyte
tipinner	57ms	383ms	129ms	8895ms
repeats	46ms	317ms	110ms	7241ms

**Bench derivatives (without sumtables)**

	seq59	seq128	seq404	kyte
tipinner	42ms	242ms	96ms	5121ms
repeats	43ms	237ms	91ms	5042ms