

# Libpll sequential benchmarks

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## 1 Benchmark

### CPU architecture, 500 iterations

	seq59	seq128	seq404
tip pattern	6645ms	83381ms	111121ms
repeats 1000000	2612ms	27930ms	23056ms
repeats 1000000 no update	2067ms	21810ms	16169ms
bmorel sites repeats (ti opt) 1000000	2332ms	26790ms	20359ms
bmorel sites repeats no update (ti opt) 1000000	1877ms	19301ms	13857ms

### SSE architecture, 500 iterations

	seq59	seq128	seq404
tip pattern	3516ms	47349ms	56803ms
repeats 1000000	1673ms	17923ms	15895ms
repeats 1000000 no update	1121ms	11789ms	9001ms
bmorel sites repeats (ti opt) 1000000	1972ms	21849ms	18784ms
bmorel sites repeats no update (ti opt) 1000000	1467ms	15891ms	12248ms

### AVX architecture, 500 iterations

	seq59	seq128	seq404
tip pattern	3316ms	45761ms	54630ms
repeats 1000000	1608ms	17235ms	15513ms
repeats 1000000 no update	1070ms	11198ms	8420ms
bmorel sites repeats (ti opt) 1000000	1965ms	21486ms	18841ms
bmorel sites repeats no update (ti opt) 1000000	1463ms	15808ms	12211ms