Normalized running time of increasing input size backward baumWelch forward 2.5e-06 -3e-06 **-**1.5e-06 -2.0e-06 -1.5e-06 -2e-06 -1.0e-06 -1.0e-06 normalized mean time [s] 1e-06 -5.0e-07 -5.0e-07 variant 0e+00 -0.0e+00 -0.0e+00 -500001000005000200000 500001000005000200000 500001000005000200000 BLAS Conventional posteriorDecoding viterbi .0e-06 -CSR 2.0e-06 -7.5e-07 **-**1.5e-06 -5.0e-07 -1.0e-06 -2.5e-07 -5.0e-07 -0.0e+00 -0.0e+00 -500001000005000200000 500001000005000200000 observations

error bars: standard deviation of 5 replicates