## Running time of increasing hidden state space backward baumWelch forward 0.020 -0.012 -0.03 -0.015 -0.010 -0.02 -0.010 -0.008 -0.01 -0.005 -0.006 variant mean time [s] 0.00 -0.000 -0.004 - 1 40 20 20 30 10 20 30 30 40 10 10 40 **BLAS** 0 Conventional posteriorDecoding viterbi 0.015 -CSR 0.0075 -0.012 -0.0050 -0.009 -0.0025 -0.006 -0.0000 -0.003 -**4**0 10 20 30 10 20 30 40

hidden states

error bars: standard deviation of 5 replicates