## Running time of increasing hidden state space backward baumWelch forward 2.0 -0.75 -1.5 **-**4 -0.50 -1.0 -2 -0.25 -0.5 mean time [s] variant 10 20 20 10 20 10 Ö BLAS Conventional posteriorDecoding viterbi CSR 2.5 -2.0 -0.75 -1.5 **-**0.50 -1.0 -0.25 -0.5 -0.0 -0.00 -10 20 10 20

hidden states

error bars: standard deviation of 5 replicates