Running time of increasing hidden state space backward baumWelch forward 12.5 **-**3 -10.0 -1.2 -7.5 **-**2 -0.8 -5.0 -1 -0.4 -2.5 mean time [s] variant 0.0 -20 40 10 30 20 30 40 20 30 40 10 10 Ö BLAS 0 Conventional posteriorDecoding viterbi CSR 5 -4 -1.5 **-**3 -1.0 -2 -0.5 -1 -0.0 -0 -20 30 40 20 30 40 10 10

hidden states