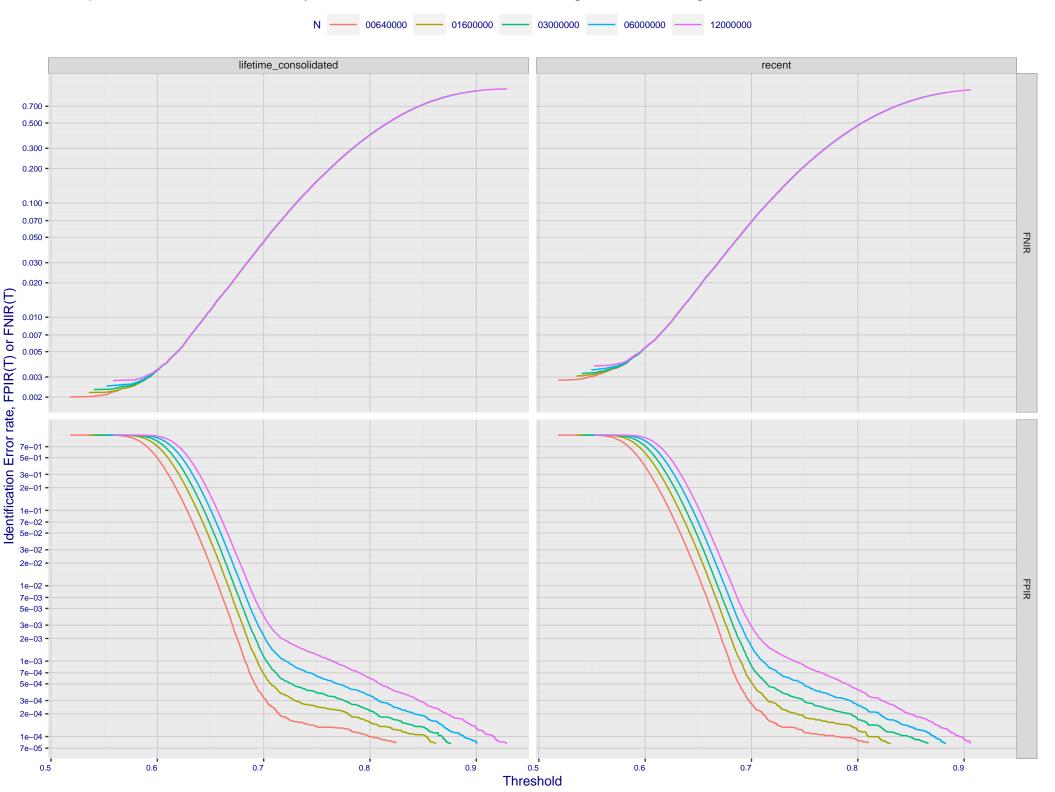
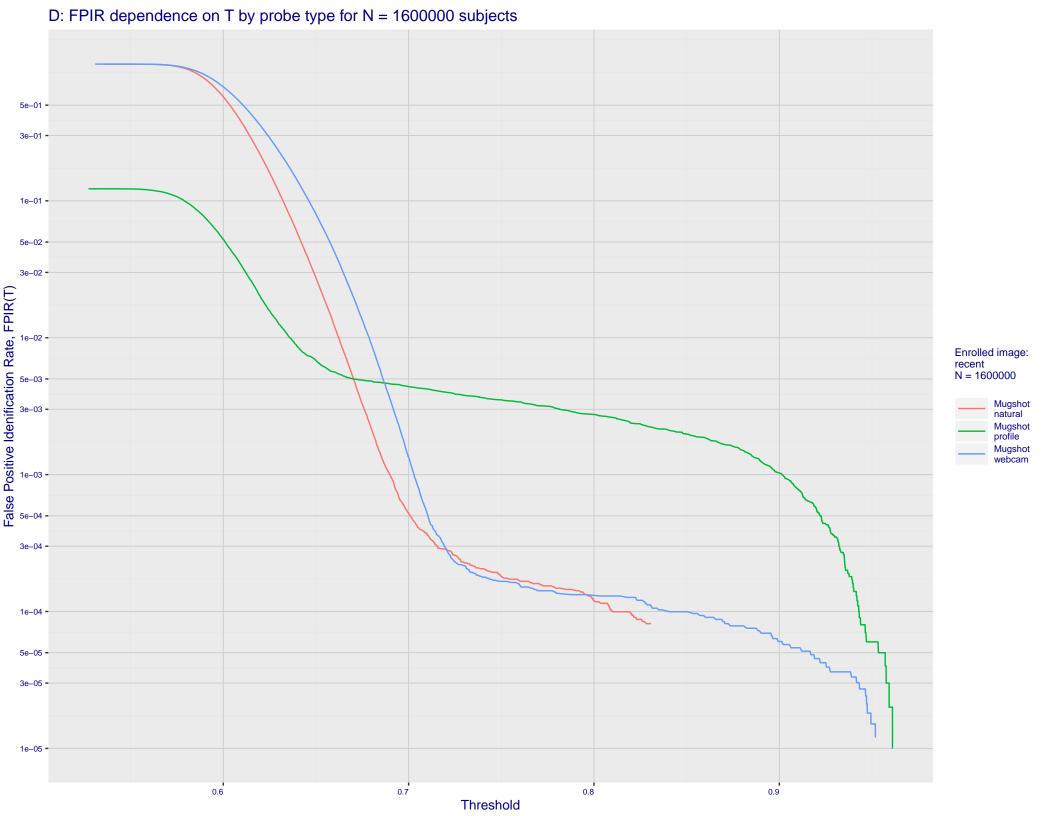
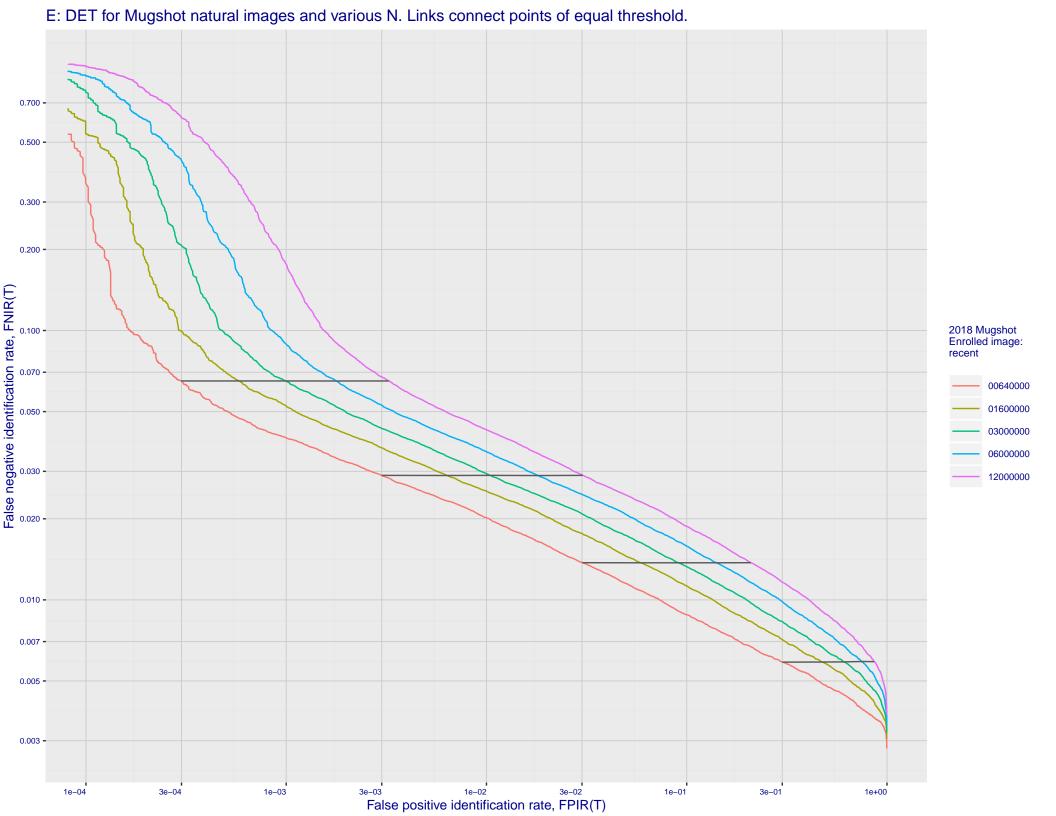


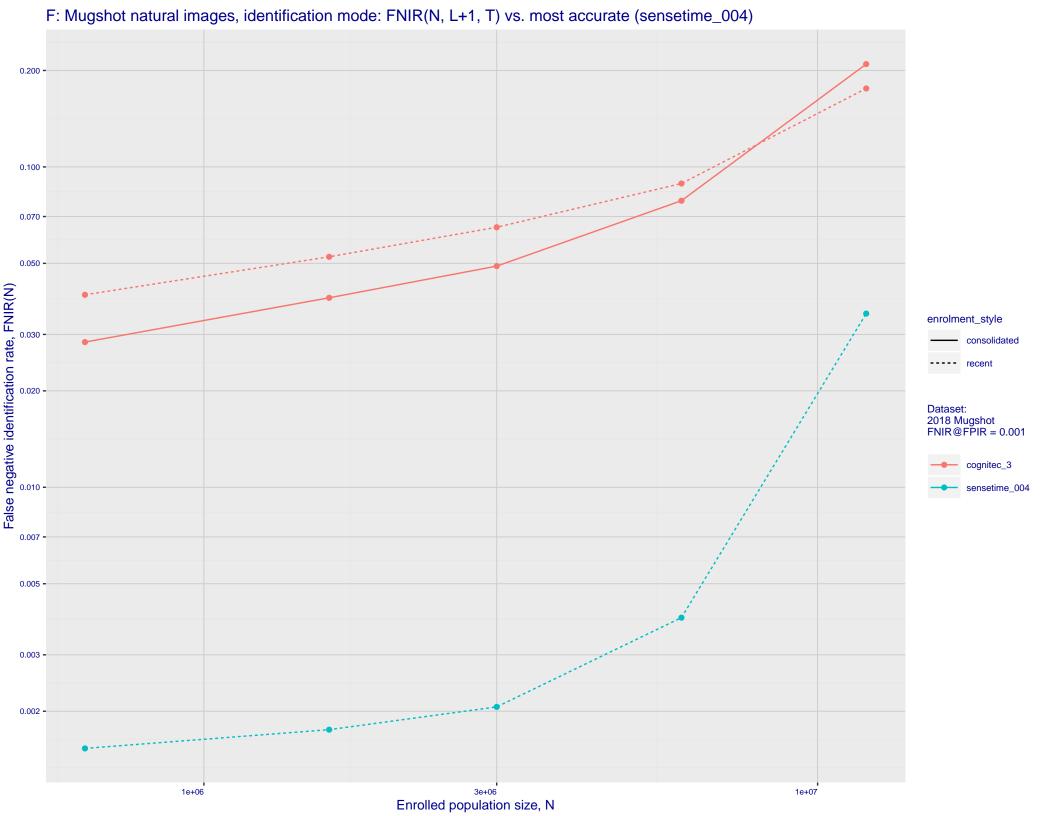
B: Dependence of error rates on T by number enrolled identities, N, for Mugshot natural images



C: FPIR vs. Selectivity for mugshot images, N = 1600000 subjects enrolled with one recent mate 7e+01 5e+01 3e+01 2e+01 -1e+01 -7e+00 -5e+00 -3e+00 -2e+00 -1e+00 -7e-01 -5e-01 -3e-01 -2e-01 -1e-01 **-**7e-02 5e-02 S 3e-02 S 3e-02 1e-02 7e-03 -Enrolled images: recent N = 1600000 Mugshot natural Mugshot profile Mugshot webcam 5e-03 • 3e-03 -2e-03 -1e-03 -7e-04 **-**5e-04 **-**3e-04 -2e-04 • 1e-04 **-**7e-05 **-**5e-05 -3e-05 -2e-05 1e-05 • 3e-03 1e-05 3e-05 1e-04 3e-04 1e-01 3e-01 False Positive Idenification Rate, FPIR(T)







G: Datasheet

Algorithm: cognitec_3

Developer: Cognitec Systems GmbH

Submission Date: 2018_10_30

Template size: 2052 bytes

Template time (2.5 percentile): 266 msec

Template time (median): 297 msec

Template time (97.5 percentile): 336 msec

Frontal mugshot investigation rank 82 — FNIR(1600000, 0, 1) = 0.0062 vs. lowest 0.0010 from sensetime_004

natural investigation rank 86 -- FNIR(1600000, 0, 1) = 0.0245 vs. lowest 0.0067 from sensetime_003

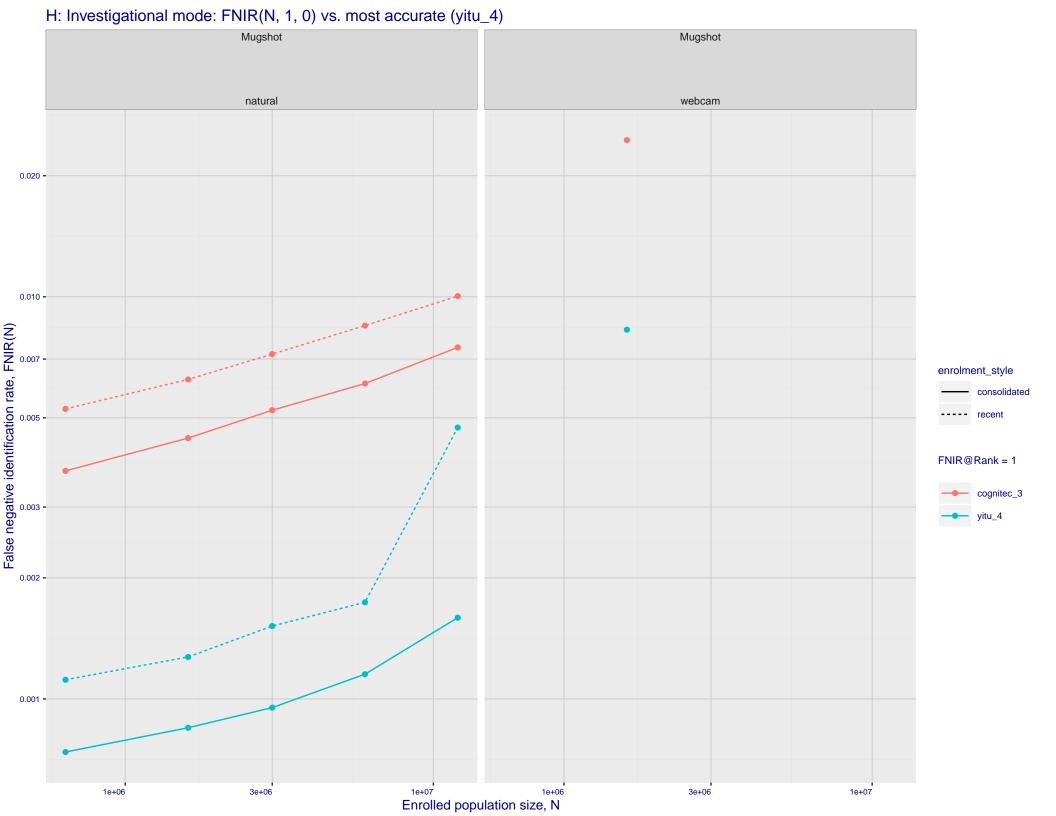
natural investigation rank 225 -- FNIR(1600000, 0, 1) = 0.9040 vs. lowest 0.0492 from paravision_005

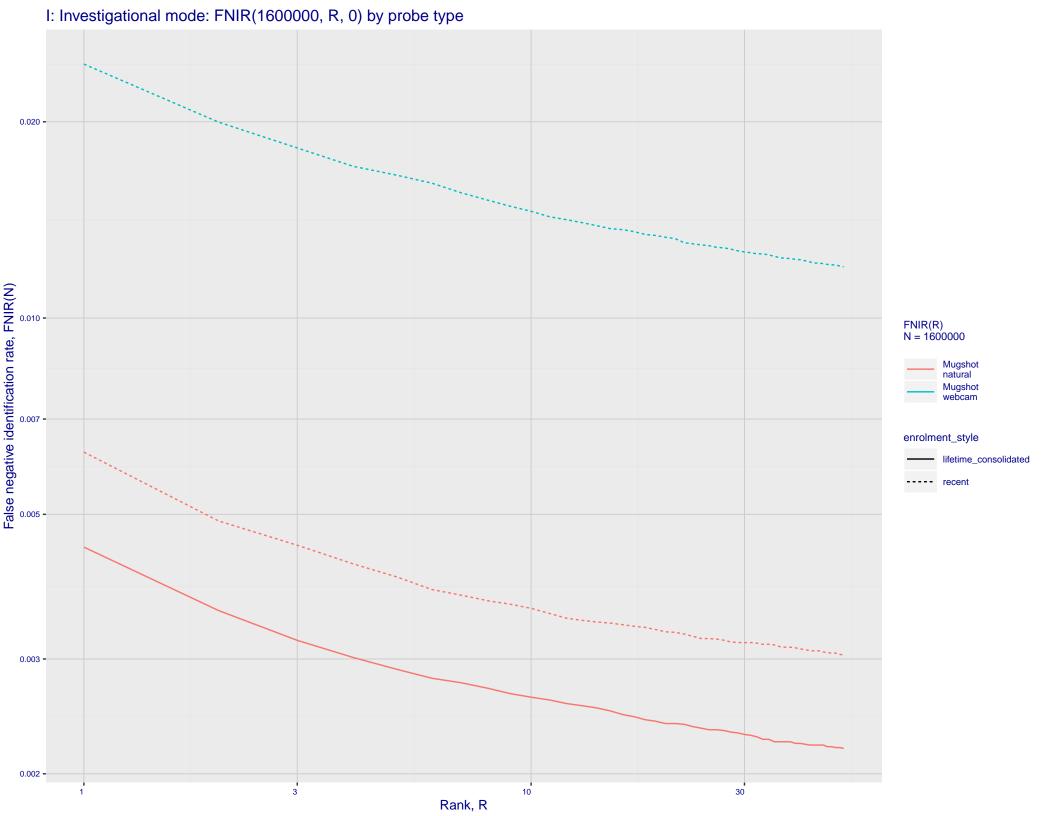
natural investigation rank 225 -- FNIR(1600000, 0, 1) = 0.9040 vs. lowest 0.0492 from paravision_005

Frontal mugshot identification rank 75 -- FNIR(1600000, T, L+1) = 0.0524 vs. lowest 0.0018 from sensetime_004

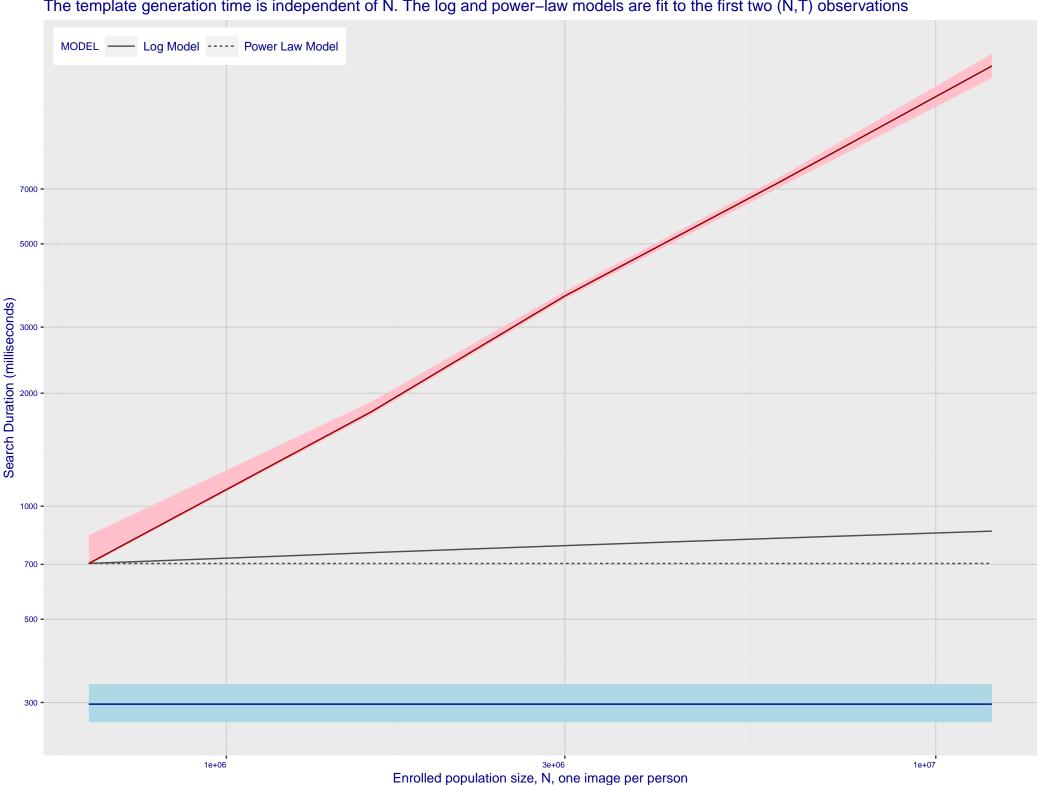
natural identification rank 102 -- FNIR(1600000, T, L+1) = 0.1623 vs. lowest 0.0122 from sensetime_003

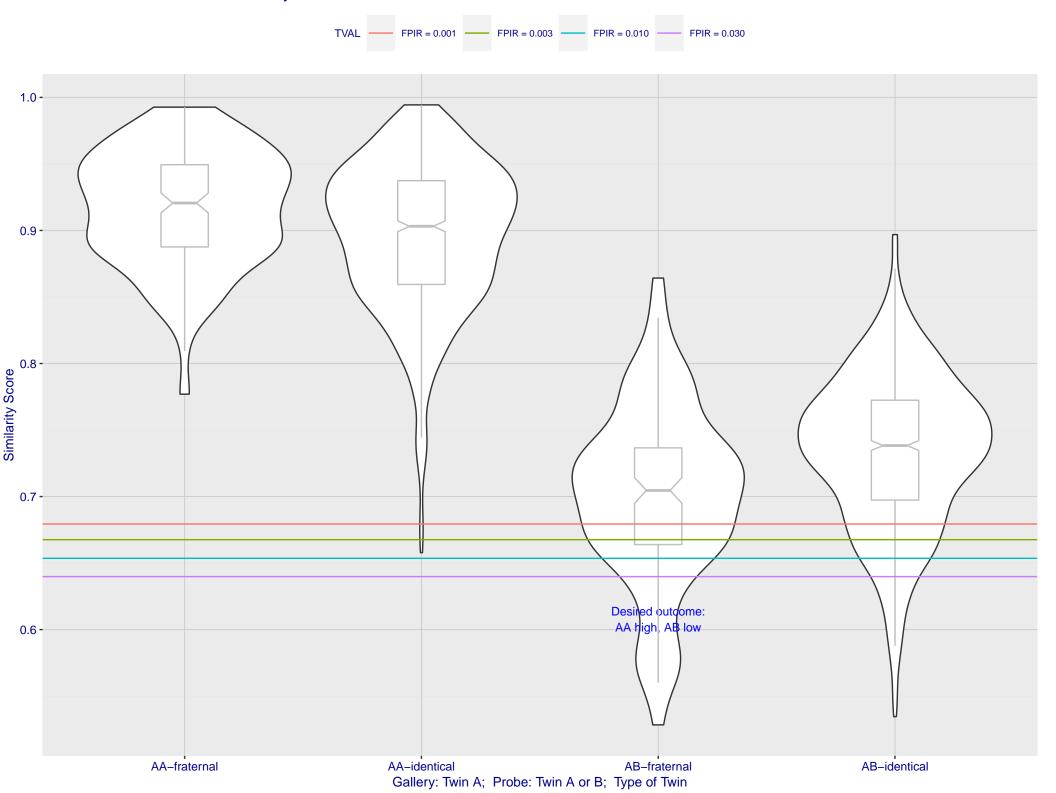
natural identification rank 148 -- FNIR(1600000, T, L+1) = 0.9997 vs. lowest 0.1020 from sensetime_004





Template duration; search duration vs. N. The blue and pink ribbon covers 95 percent of observed measurements. The template generation time is independent of N. The log and power–law models are fit to the first two (N,T) observations





M: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing

