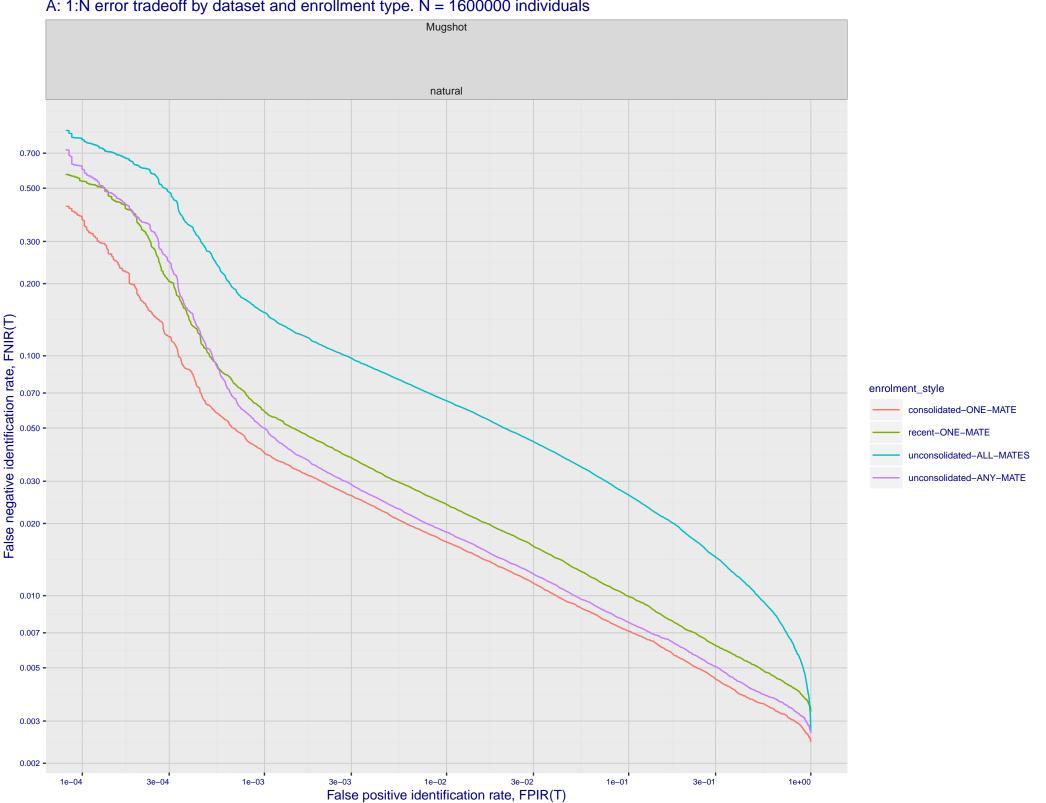
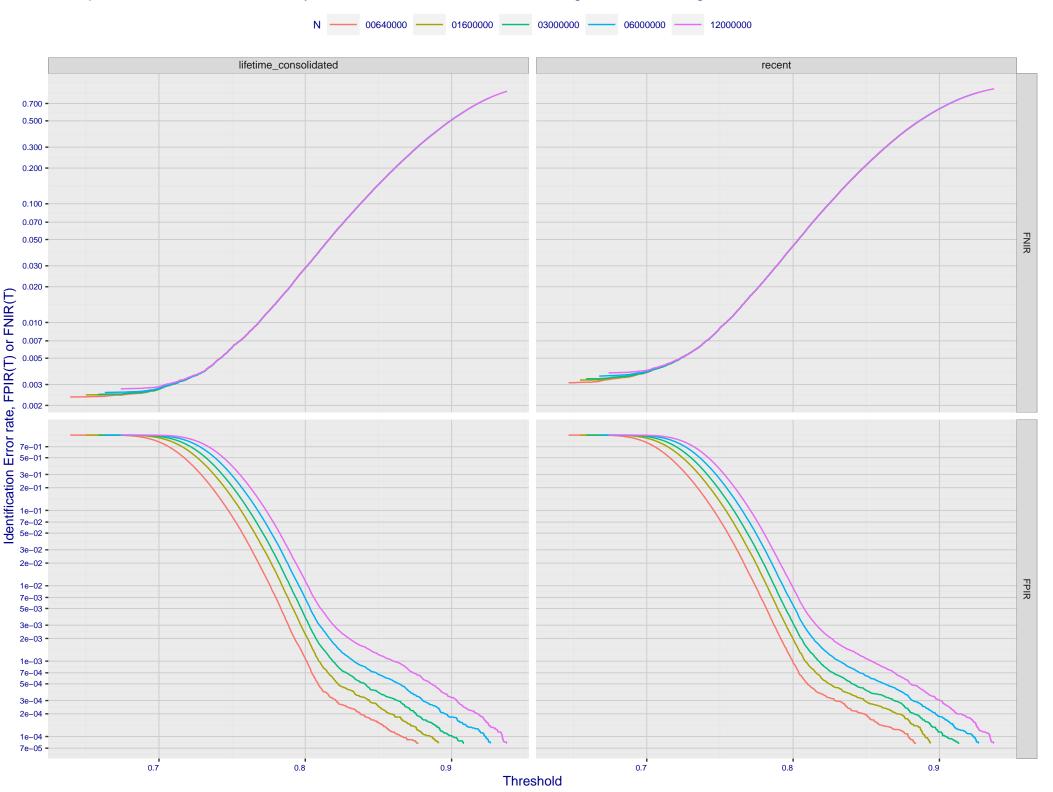
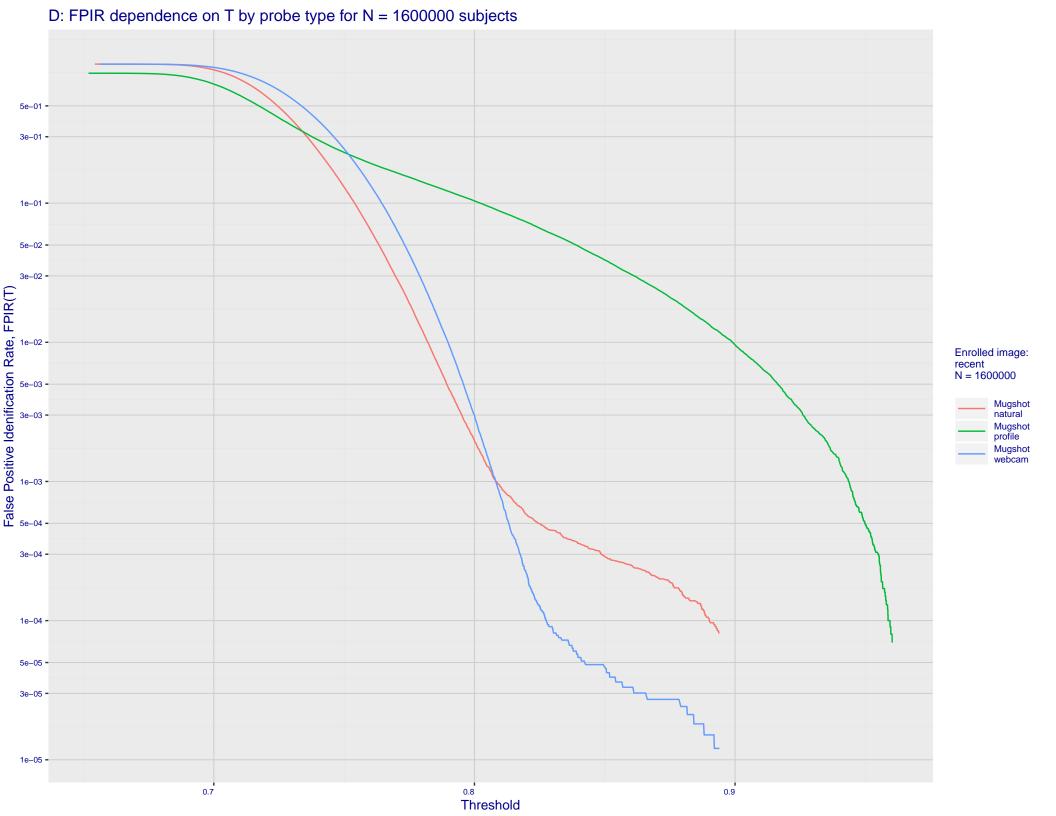
A: 1:N error tradeoff by dataset and enrollment type. N = 1600000 individuals

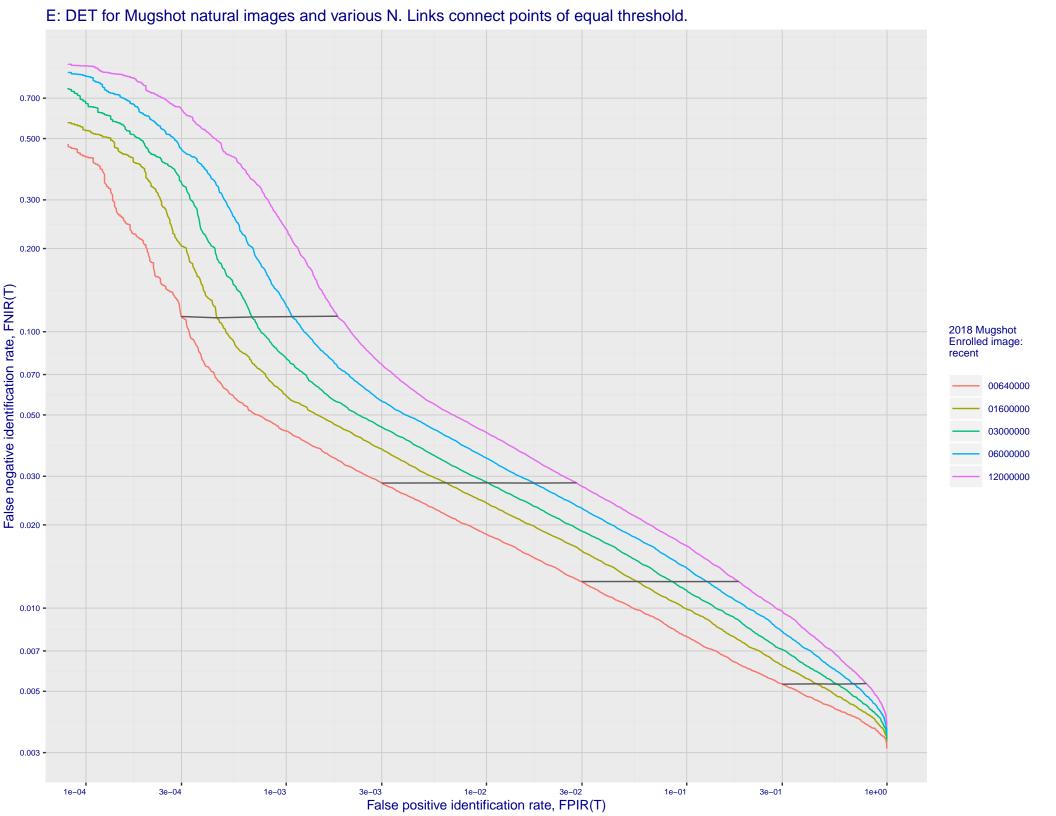


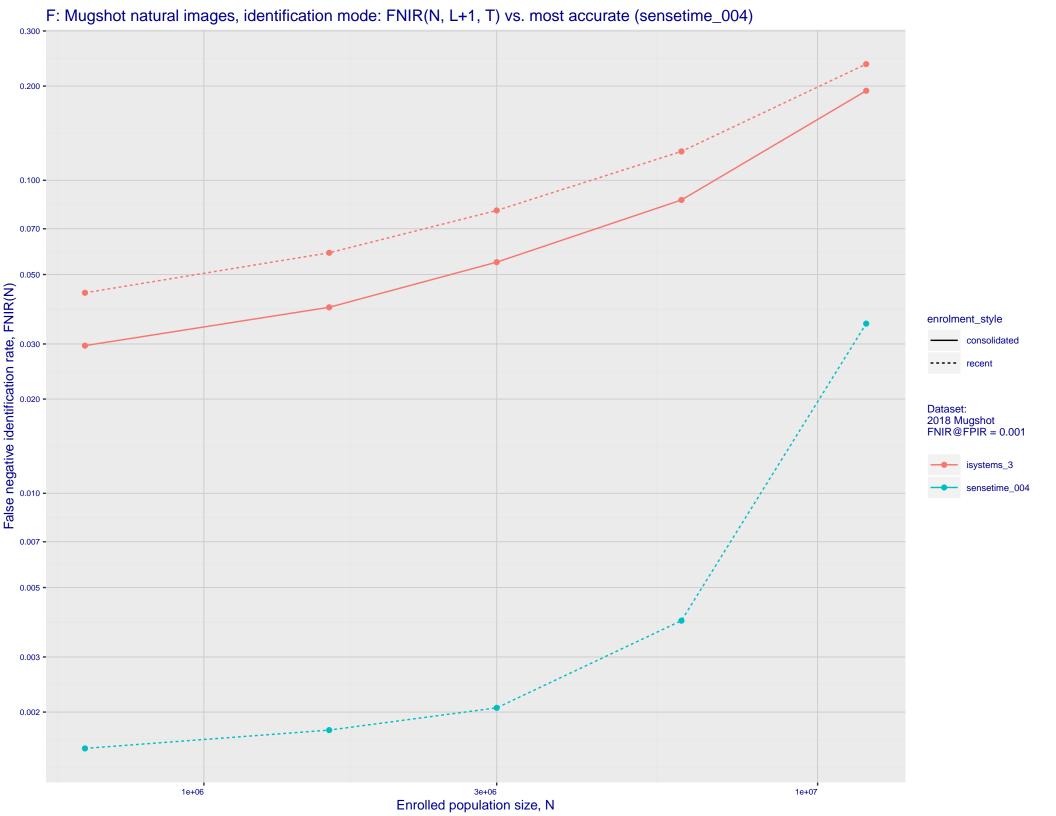
B: Dependence of error rates on T by number enrolled identities, N, for Mugshot natural images



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 Enrolled images: recent N = 1600000 2e-01 - (L) 3 | 1e-01 - (L) 5e-02 - (L) 3e-02 - (L) 2e-02 - (L) 2e Mugshot natural Mugshot profile Mugshot webcam 2e-02 1e-02 -7e-03 -5e-03 -3e-03 -2e-03 -1e-03 -7e-04 -5e-04 -3e-04 -2e-04 1e-04 7e-05 -5e-05 3e-03 3e-02 1e-05 3e-05 1e-04 3e-04 1e-01 3e-01 False Positive Idenification Rate, FPIR(T)







G: Datasheet

Algorithm: isystems_3

Developer: Alivia / Innovation Sys Submission Date: 2018_10_30

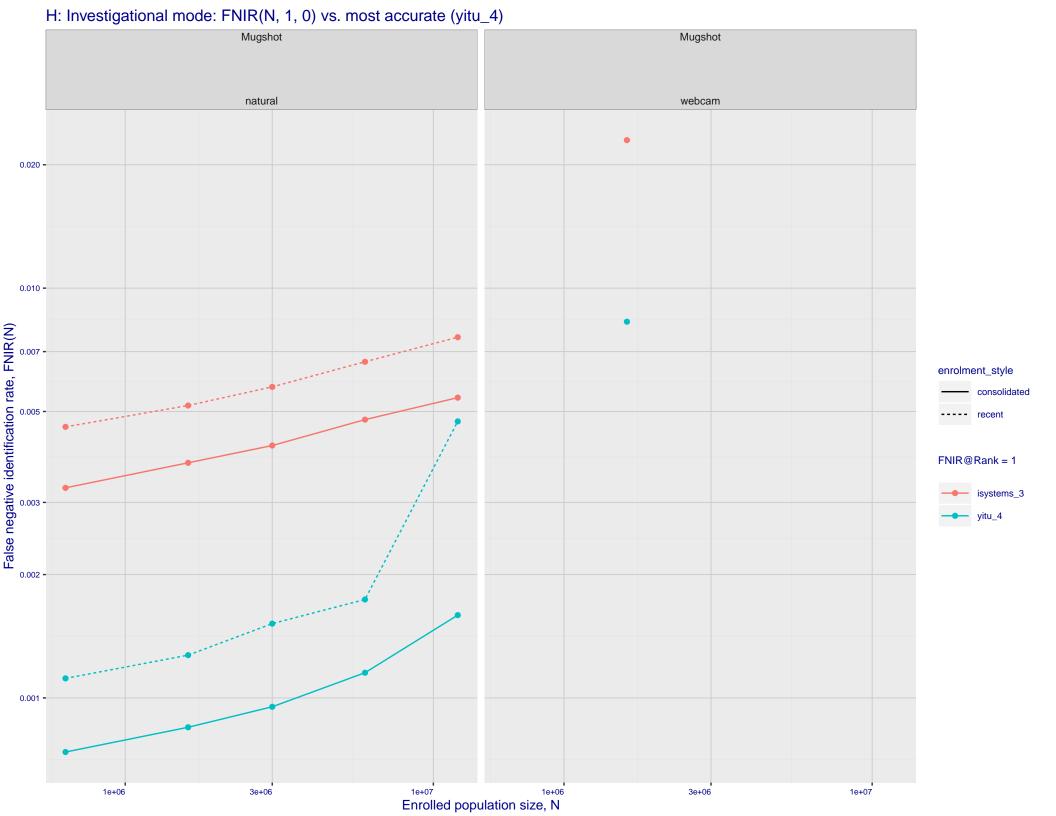
Template size: 2048 bytes

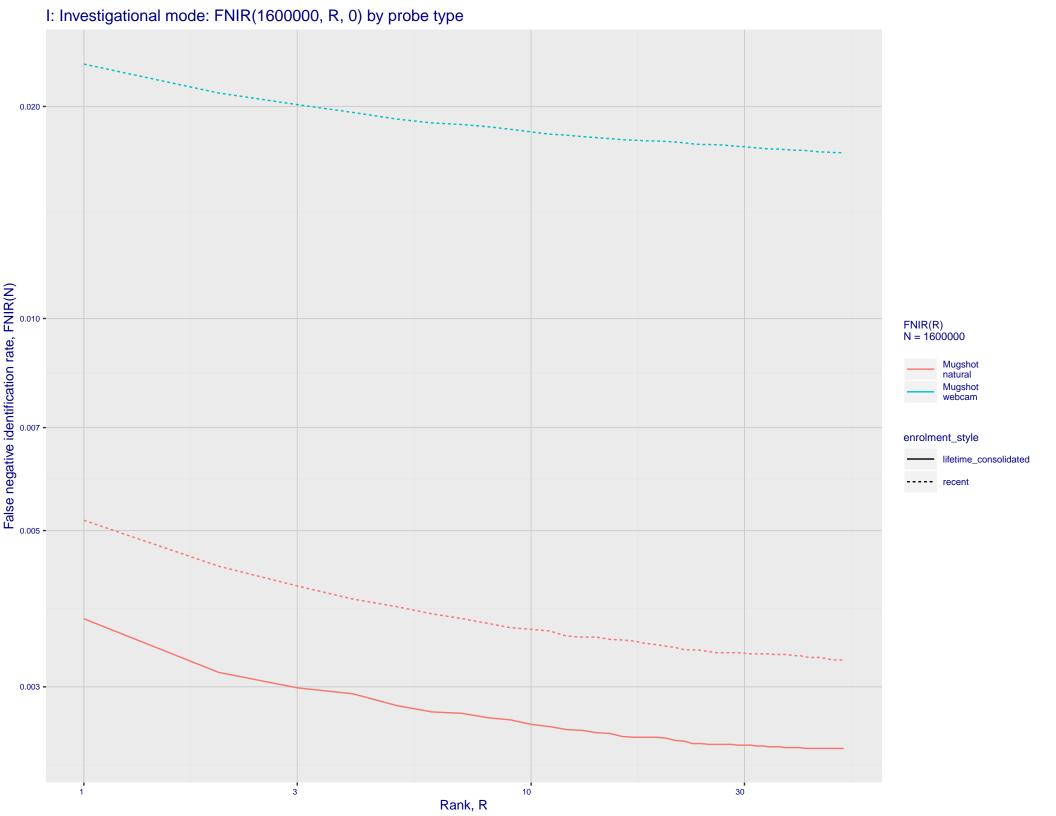
Template time (2.5 percentile): 811 msec

Template time (median): 826 msec

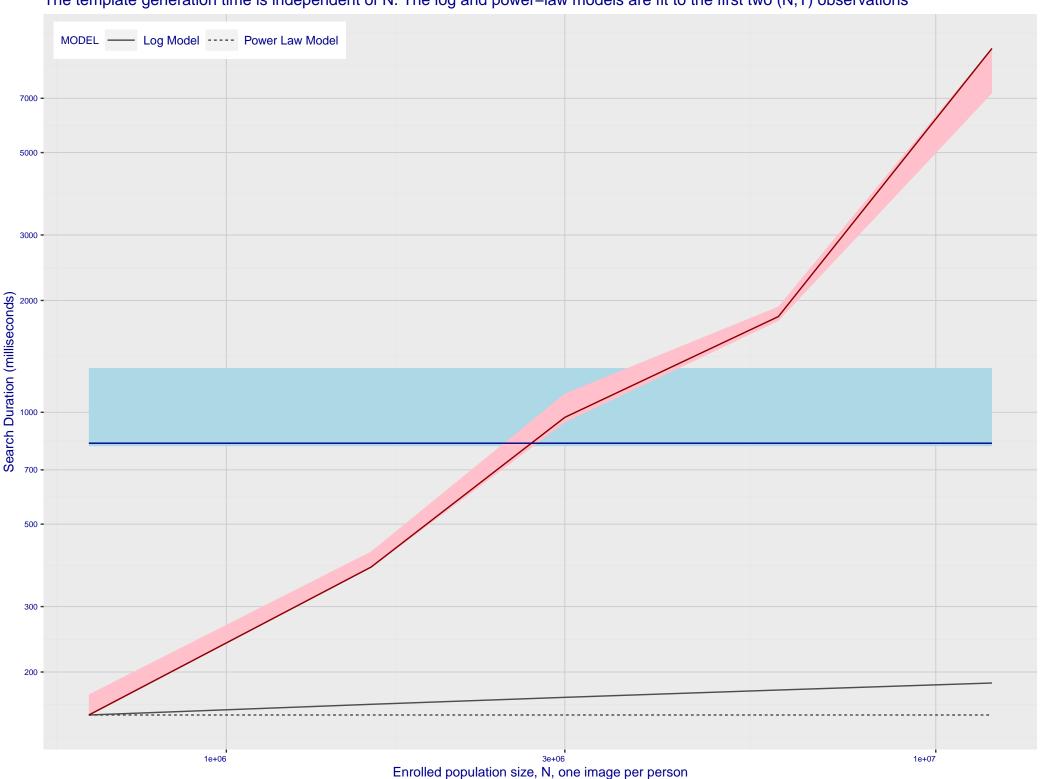
Template time (97.5 percentile): 1316 msec

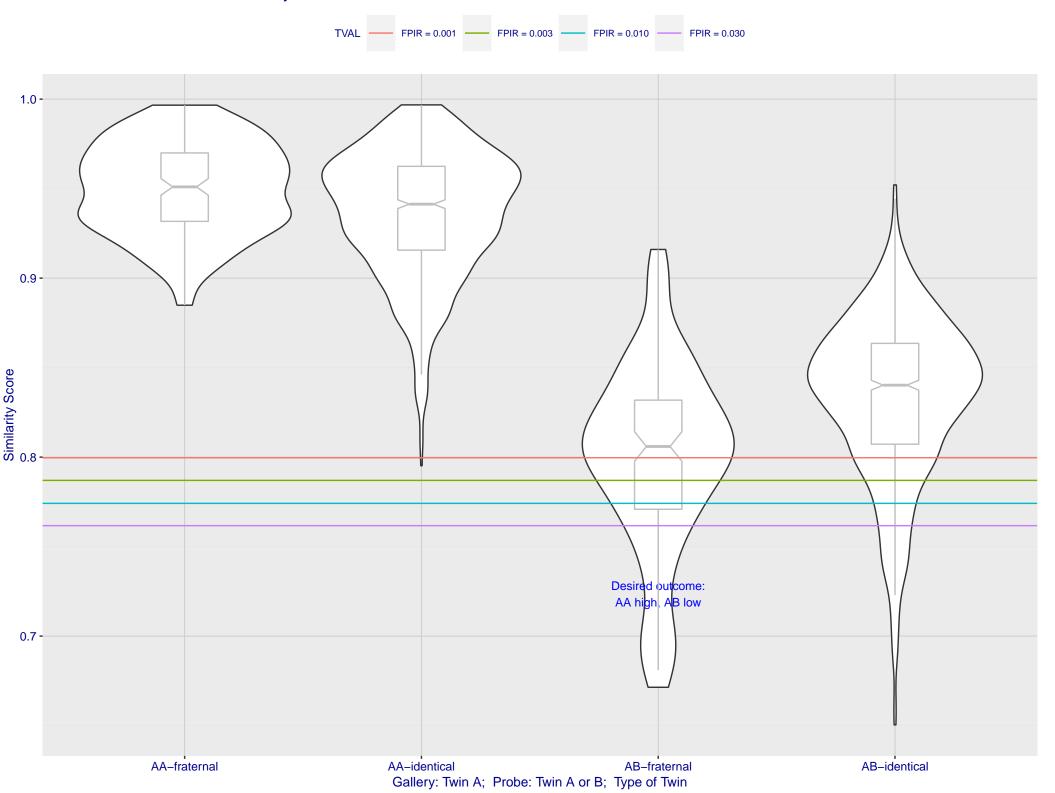
Frontal mugshot investigation rank 73 — FNIR(1600000, 0, 1) = 0.0052 vs. lowest 0.0010 from sensetime_004 natural investigation rank 77 — FNIR(1600000, 0, 1) = 0.0230 vs. lowest 0.0067 from sensetime_003 natural investigation rank 149 — FNIR(1600000, 0, 1) = 0.6914 vs. lowest 0.0492 from paravision_005 natural investigation rank 149 — FNIR(1600000, 0, 1) = 0.6914 vs. lowest 0.0492 from paravision_005 Frontal mugshot identification rank 88 — FNIR(1600000, T, L+1) = 0.0587 vs. lowest 0.0018 from sensetime_004 natural identification rank 60 — FNIR(1600000, T, L+1) = 0.1073 vs. lowest 0.0122 from sensetime_003 natural identification rank 141 — FNIR(1600000, T, L+1) = 0.9994 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

