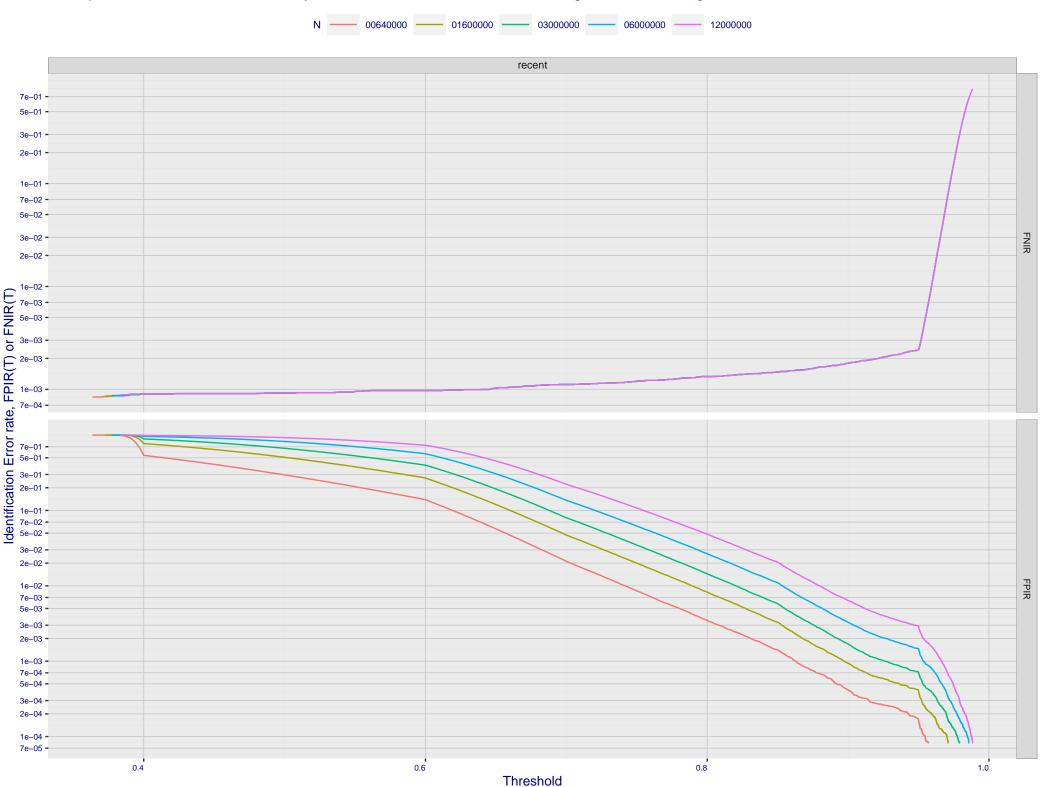
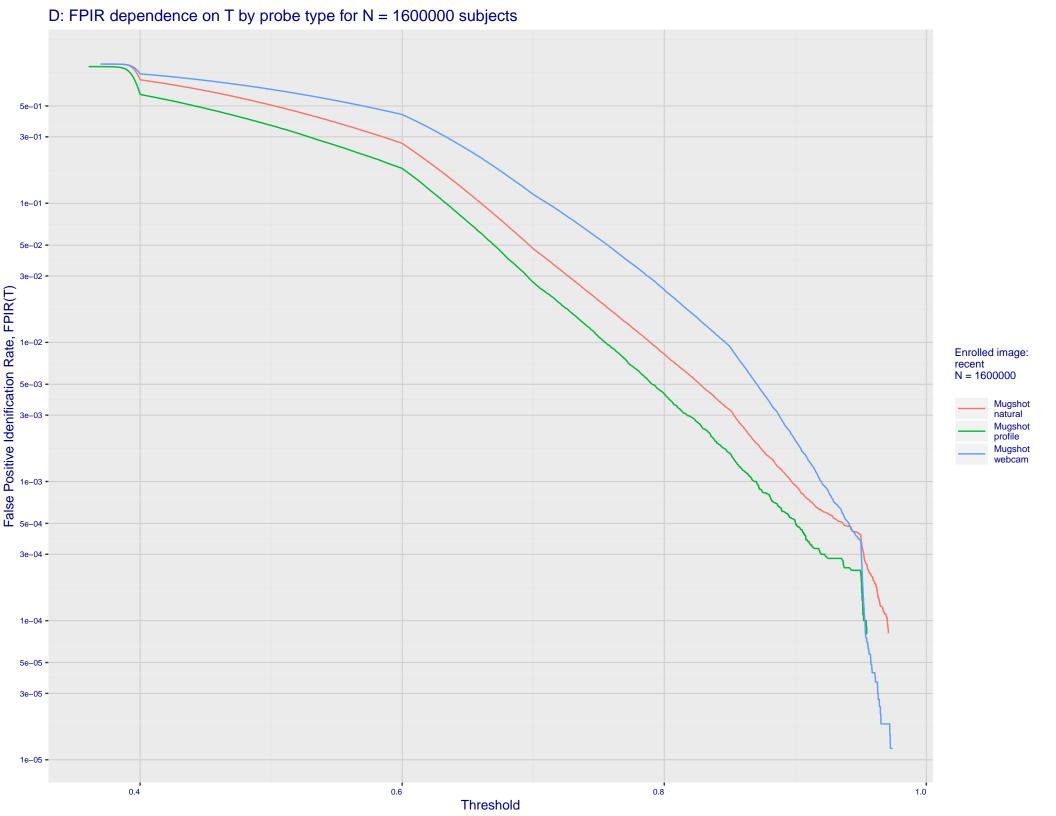
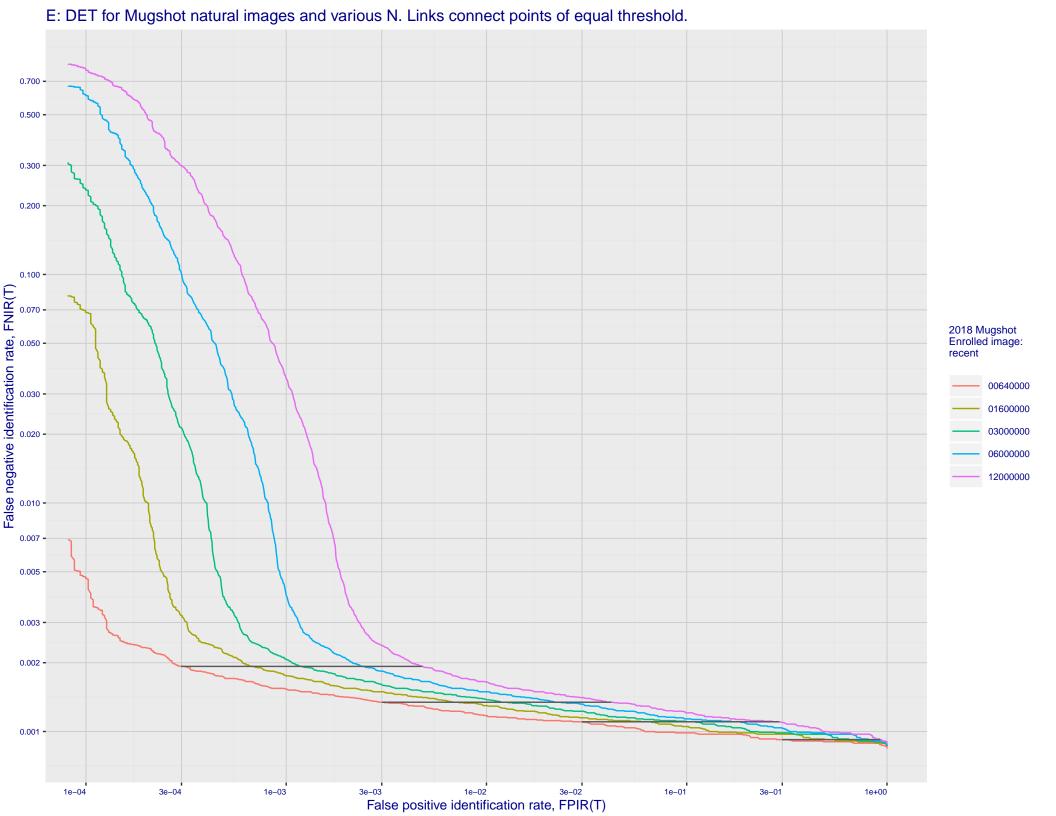


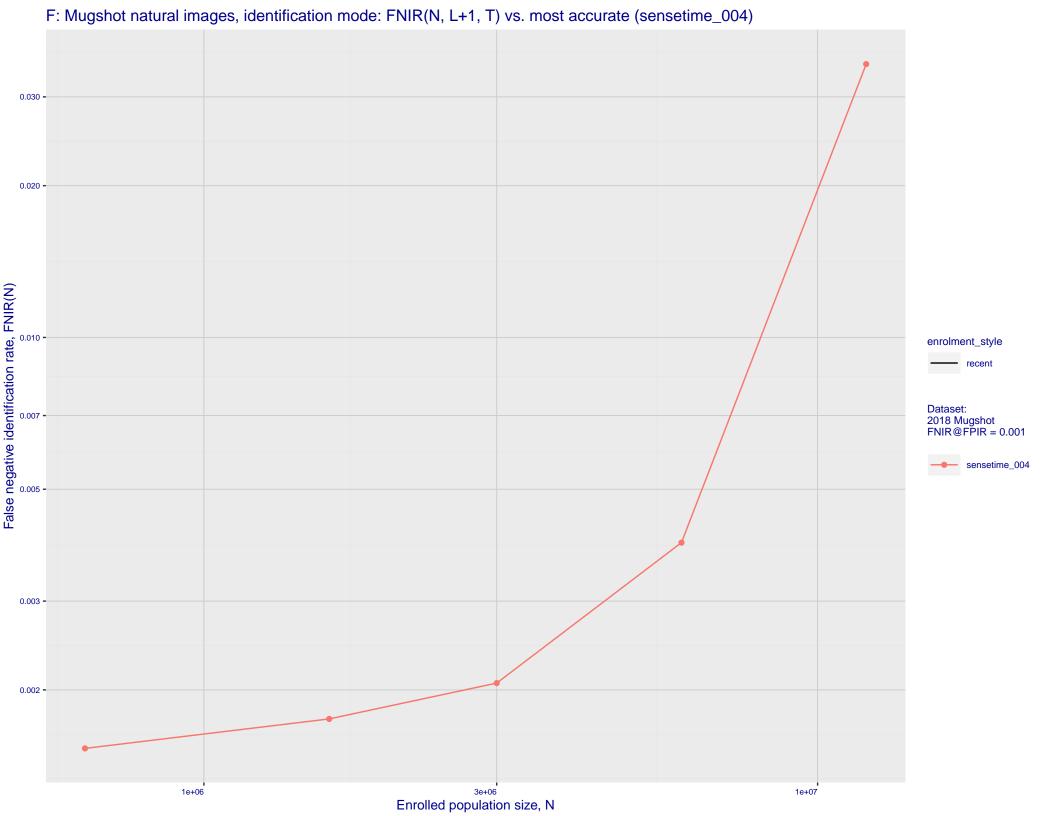
B: Dependence of error rates on T by number enrolled identities, N, for Mugshot natural images



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

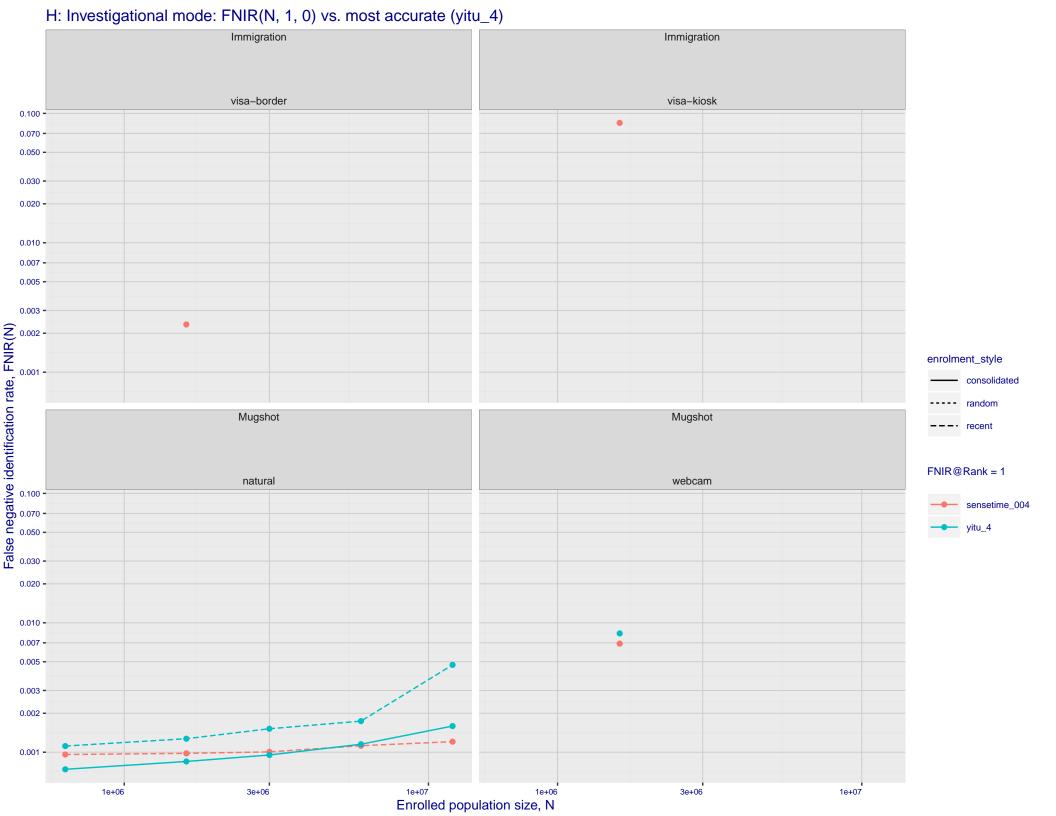


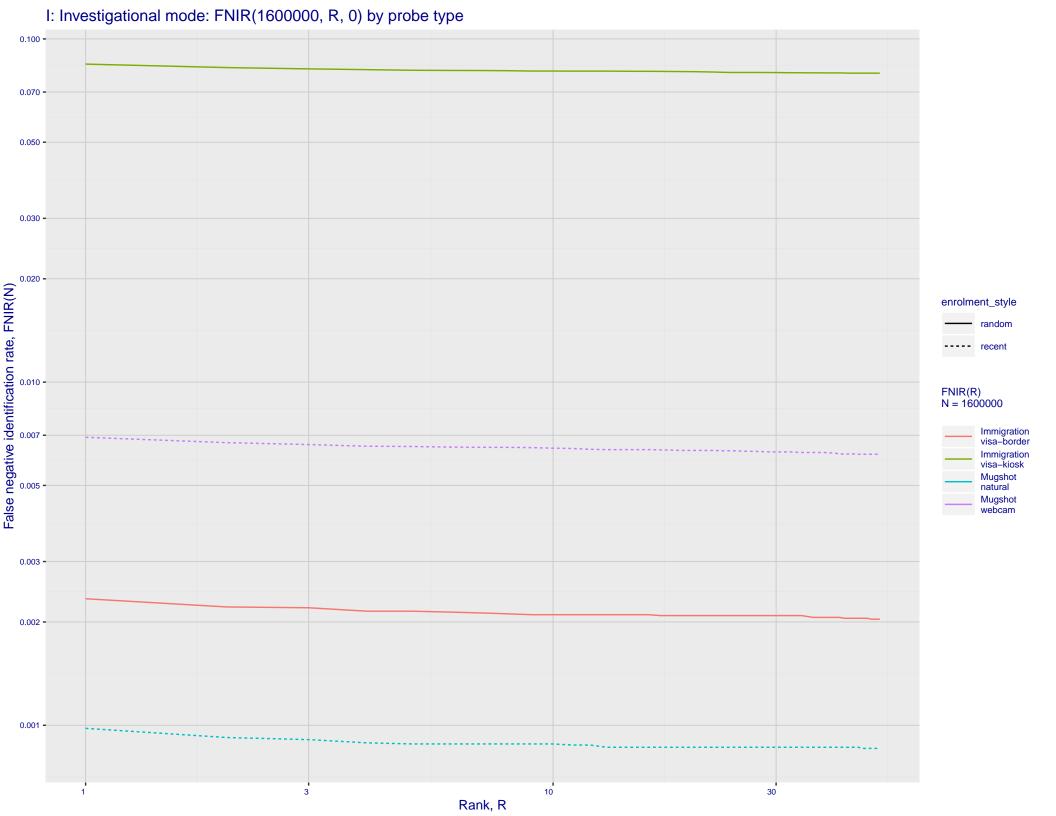




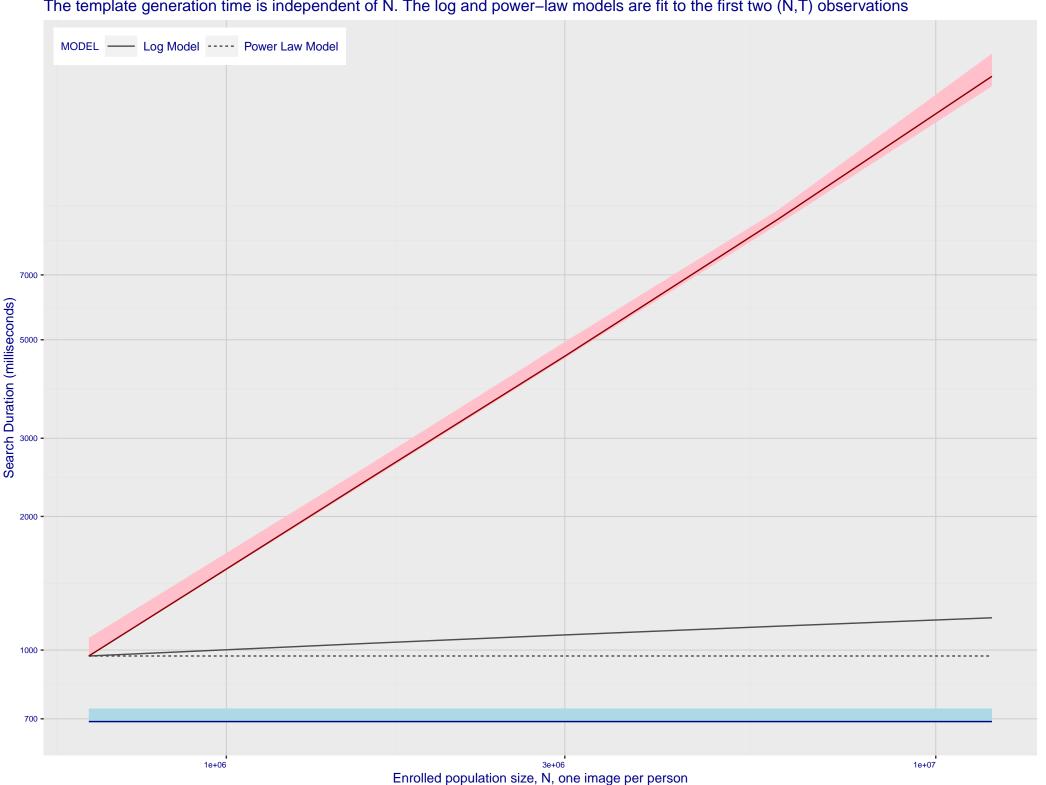
G: Datasheet

```
Algorithm: sensetime_004
Developer: Sensetime Group
Submission Date: 2020_08_10
Template size: 1032 bytes
Template time (2.5 percentile): 688 msec
Template time (median): 690 msec
Template time (97.5 percentile): 738 msec
Frontal mugshot investigation rank 1 — FNIR(1600000, 0, 1) = 0.0010
natural investigation rank 2 -- FNIR(1600000, 0, 1) = 0.0069 vs. lowest 0.0067 from sensetime_003
natural investigation rank 2 — FNIR(1600000, 0, 1) = 0.0494 vs. lowest 0.0492 from paravision_005
natural investigation rank 2 — FNIR(1600000, 0, 1) = 0.0494 vs. lowest 0.0492 from paravision_005
natural investigation rank 5 -- FNIR(1600000, 0, 1) = 0.0023 vs. lowest 0.0014 from visionlabs_009
natural investigation rank 8 -- FNIR(1600000, 0, 1) = 0.0845 vs. lowest 0.0694 from cib_000
Frontal mugshot identification rank 1 — FNIR(1600000, T, L+1) = 0.0018
natural identification rank 2 -- FNIR(1600000, T, L+1) = 0.0126 vs. lowest 0.0122 from sensetime_003
natural identification rank 1 — FNIR(1600000, T, L+1) = 0.1020
natural identification rank 1 — FNIR(1600000, T, L+1) = 0.0059
natural identification rank 2 -- FNIR(1600000, T, L+1) = 0.1133 vs. lowest 0.1129 from visionlabs_009
```





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

