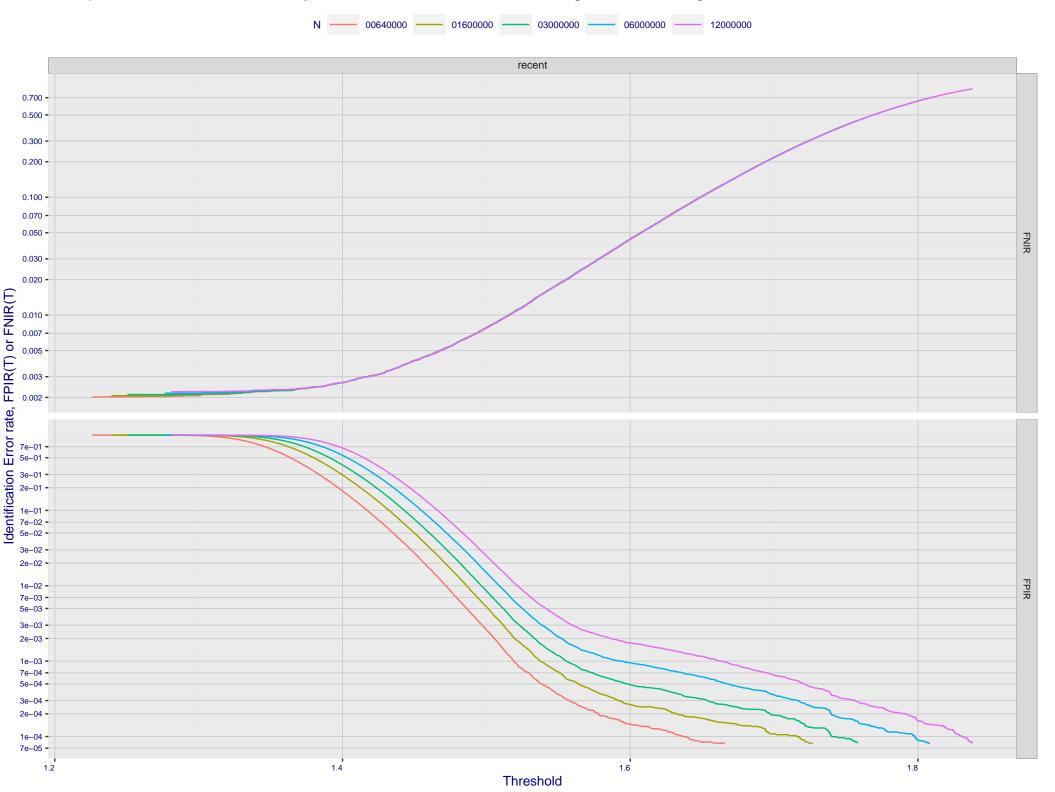
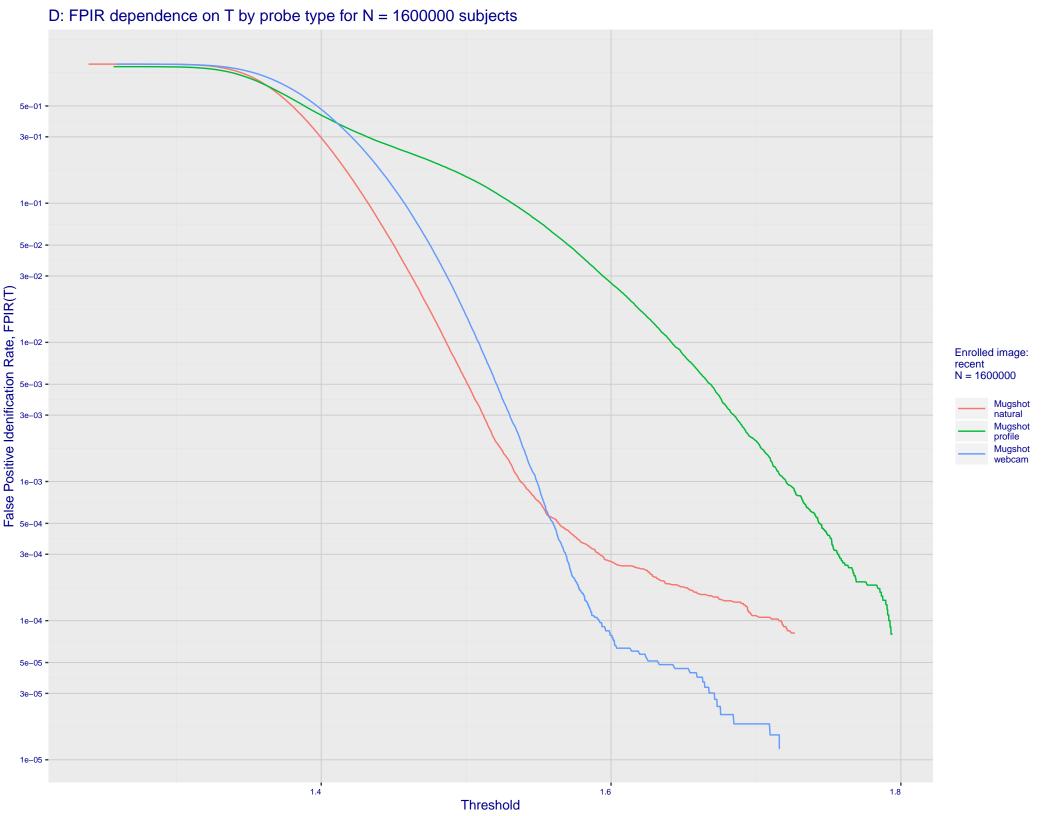
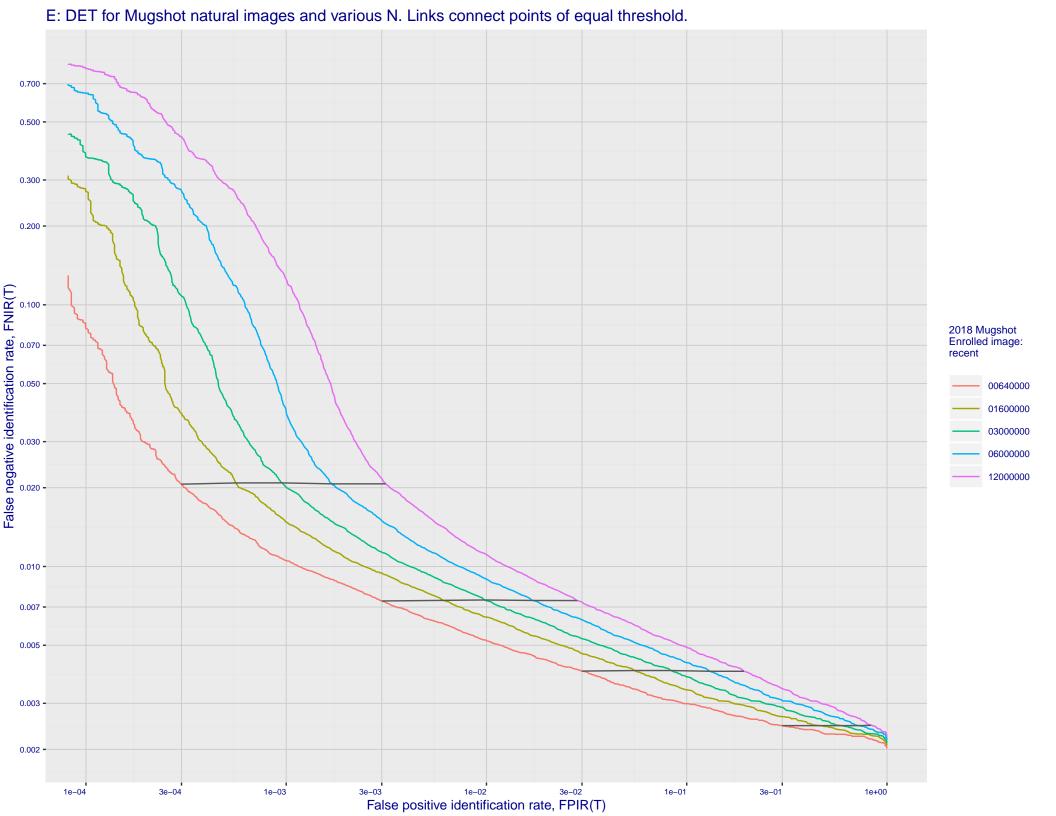


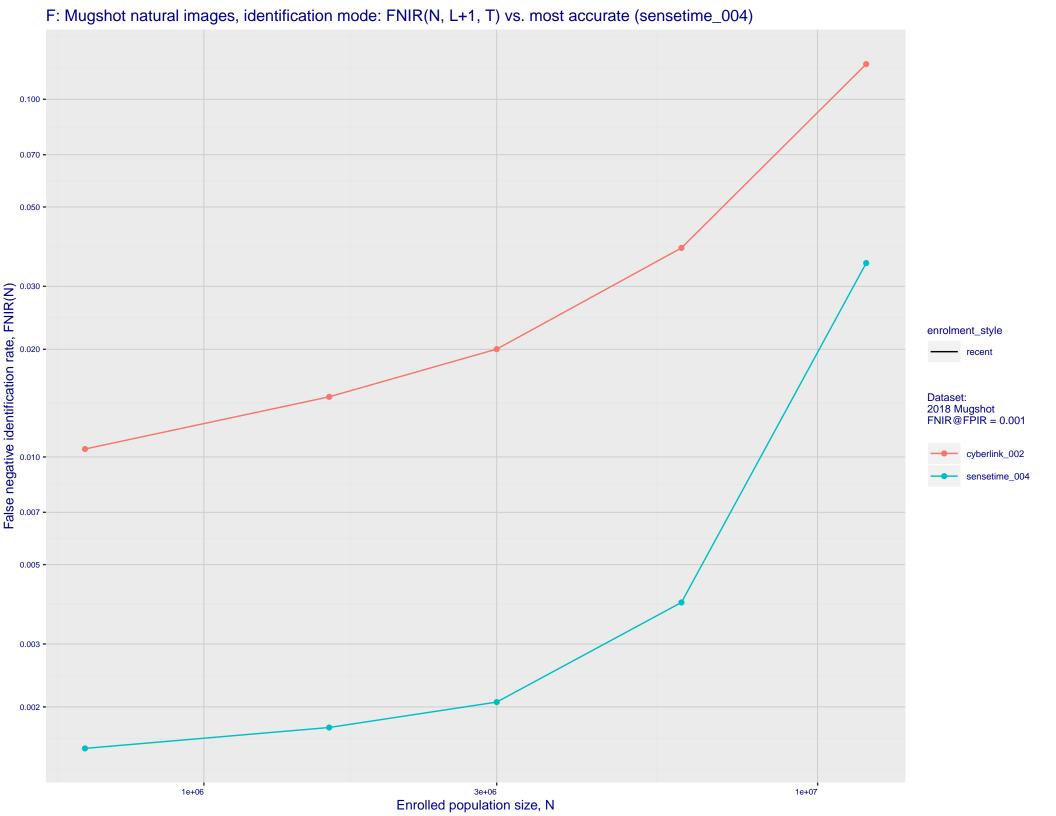
B: Dependence of error rates on T by number enrolled identities, N, for Mugshot natural images



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-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)

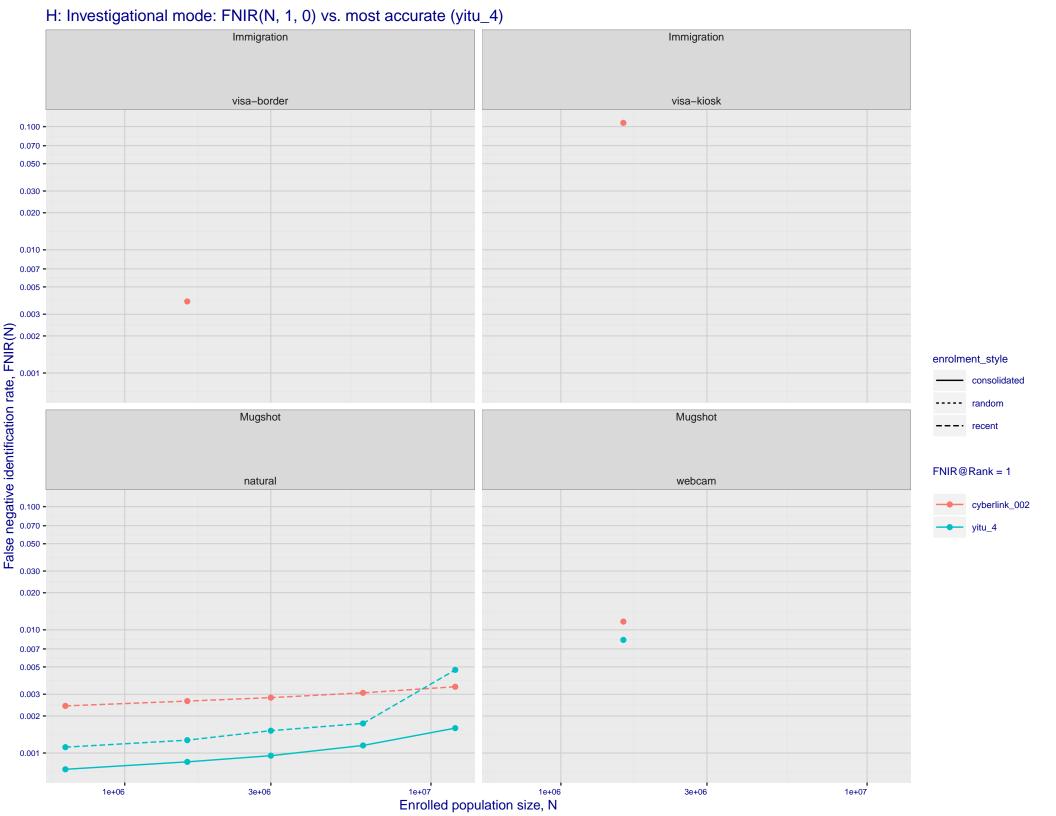


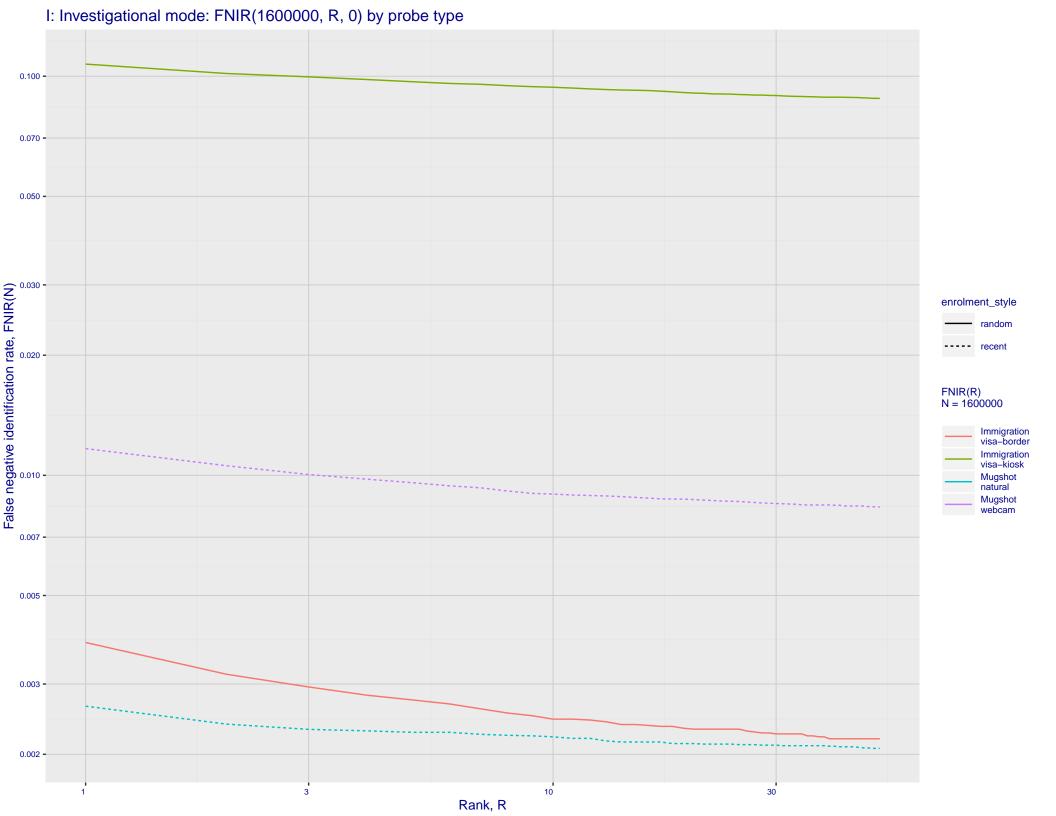




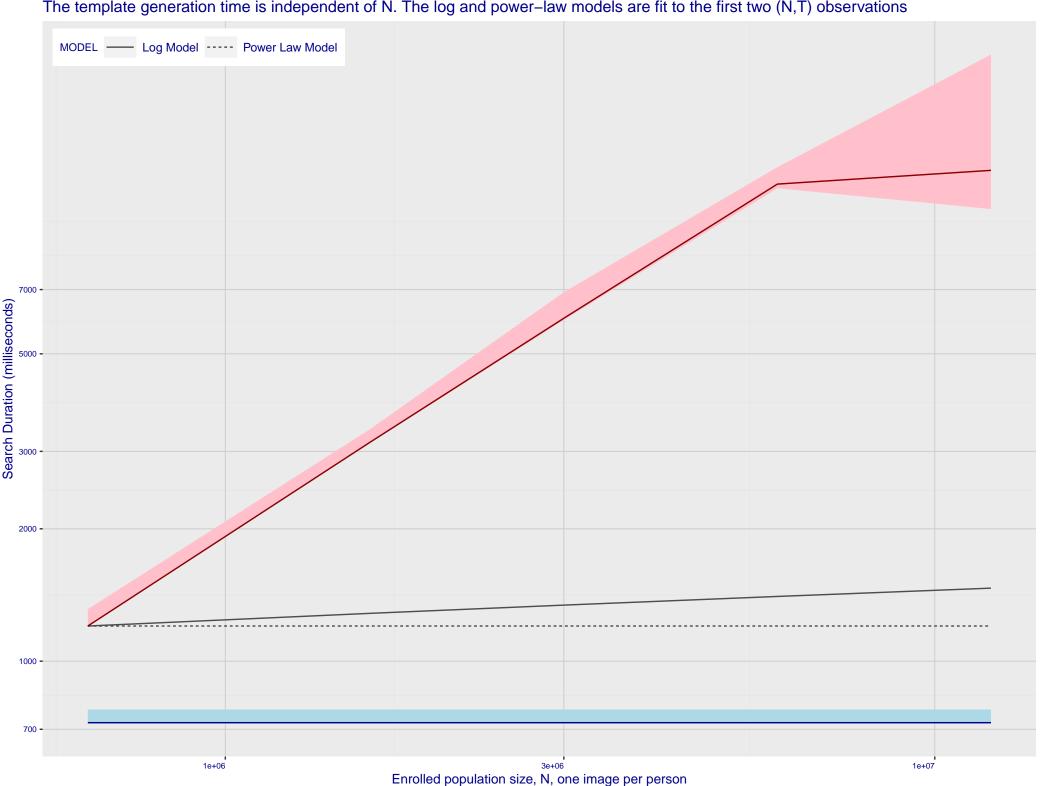
## G: Datasheet

```
Algorithm: cyberlink_002
Developer: Cyberlink Corp
Submission Date: 2020_07_31
Template size: 4140 bytes
Template time (2.5 percentile): 723 msec
Template time (median): 725 msec
Template time (97.5 percentile): 776 msec
Frontal mugshot investigation rank 38 -- FNIR(1600000, 0, 1) = 0.0026 vs. lowest 0.0010 from sensetime_004
natural investigation rank 18 -- FNIR(1600000, 0, 1) = 0.0117 vs. lowest 0.0067 from sensetime_003
natural investigation rank 89 -- FNIR(1600000, 0, 1) = 0.4661 vs. lowest 0.0492 from paravision_005
natural investigation rank 89 -- FNIR(1600000, 0, 1) = 0.4661 vs. lowest 0.0492 from paravision_005
natural investigation rank 21 -- FNIR(1600000, 0, 1) = 0.0038 vs. lowest 0.0014 from visionlabs_009
natural investigation rank 25 -- FNIR(1600000, 0, 1) = 0.1073 vs. lowest 0.0694 from cib_000
Frontal mugshot identification rank 17 -- FNIR(1600000, T, L+1) = 0.0147 vs. lowest 0.0018 from sensetime_004
natural identification rank 20 -- FNIR(1600000, T, L+1) = 0.0530 vs. lowest 0.0122 from sensetime_003
natural identification rank 53 -- FNIR(1600000, T, L+1) = 0.9600 vs. lowest 0.1020 from sensetime_004
natural identification rank 14 -- FNIR(1600000, T, L+1) = 0.0242 vs. lowest 0.0059 from sensetime_004
natural identification rank 31 -- FNIR(1600000, T, L+1) = 0.3003 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

