1. Report for algorithm tech5_001   2020-03-20 13:27:16

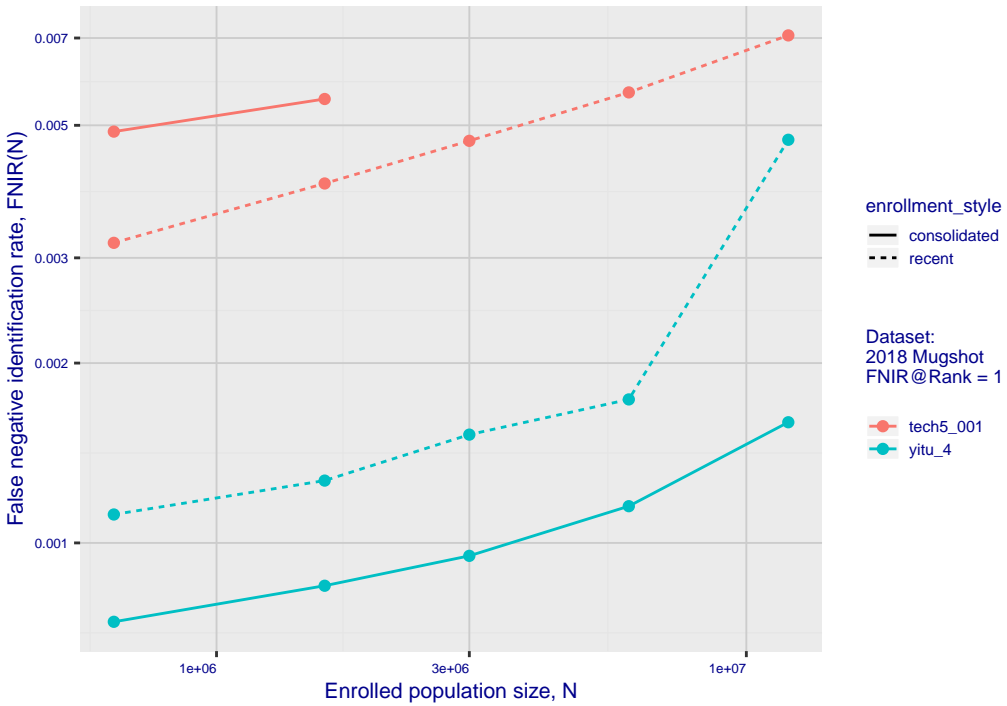**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu_4)**

Fig 2: DETs by enrollment type

Fig 3: Identifcation mode: FNIR(N, L+1, T) vs. most accurate (nec_3)

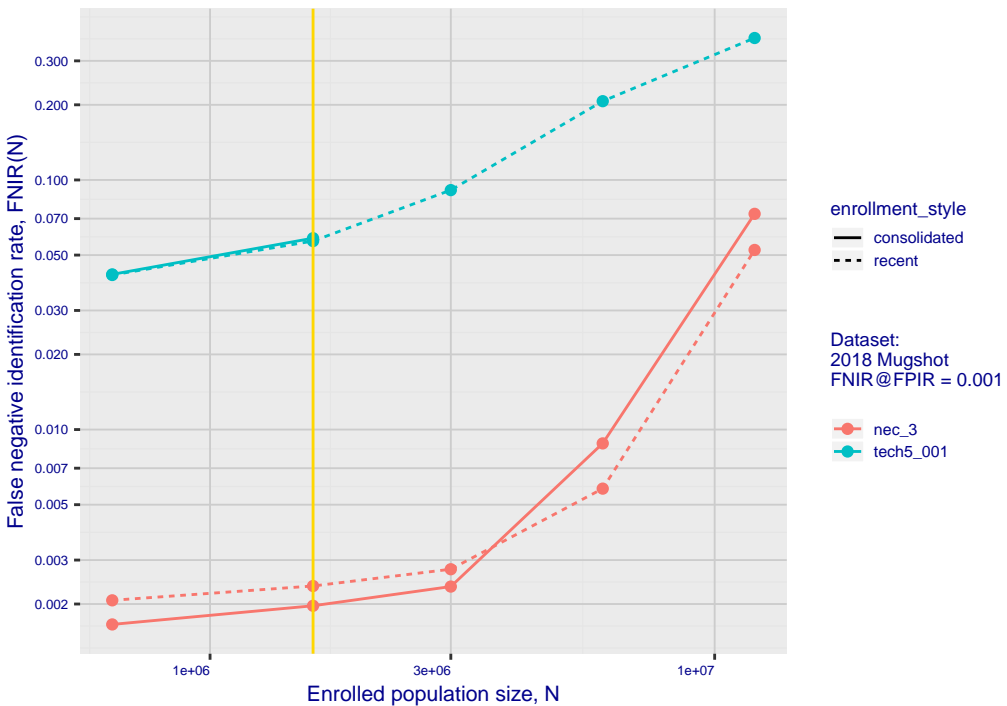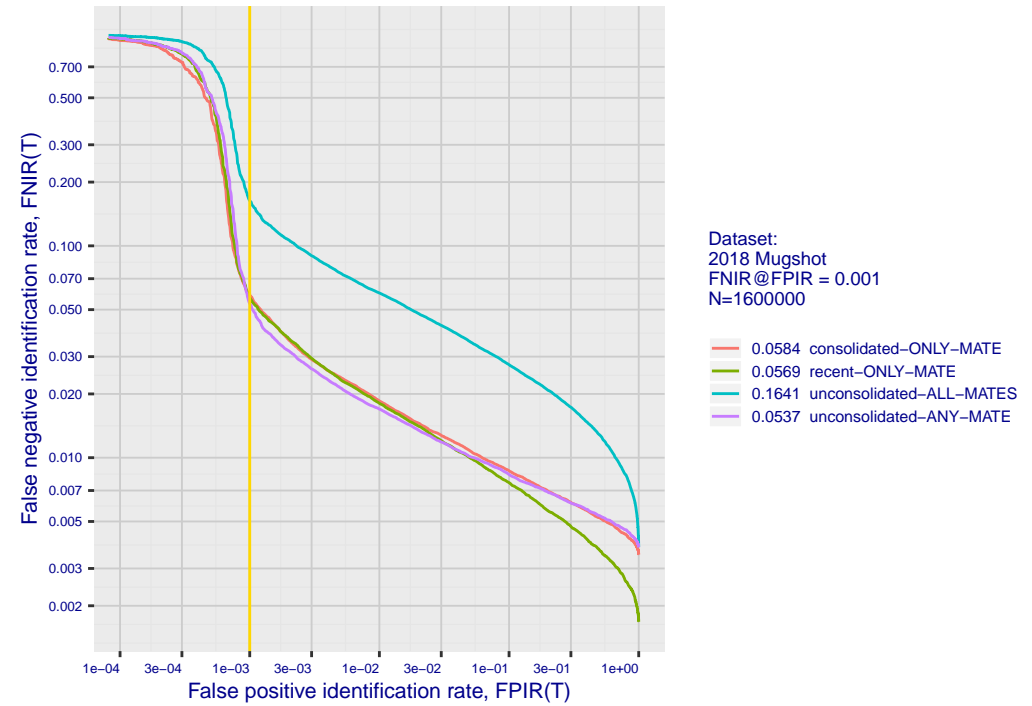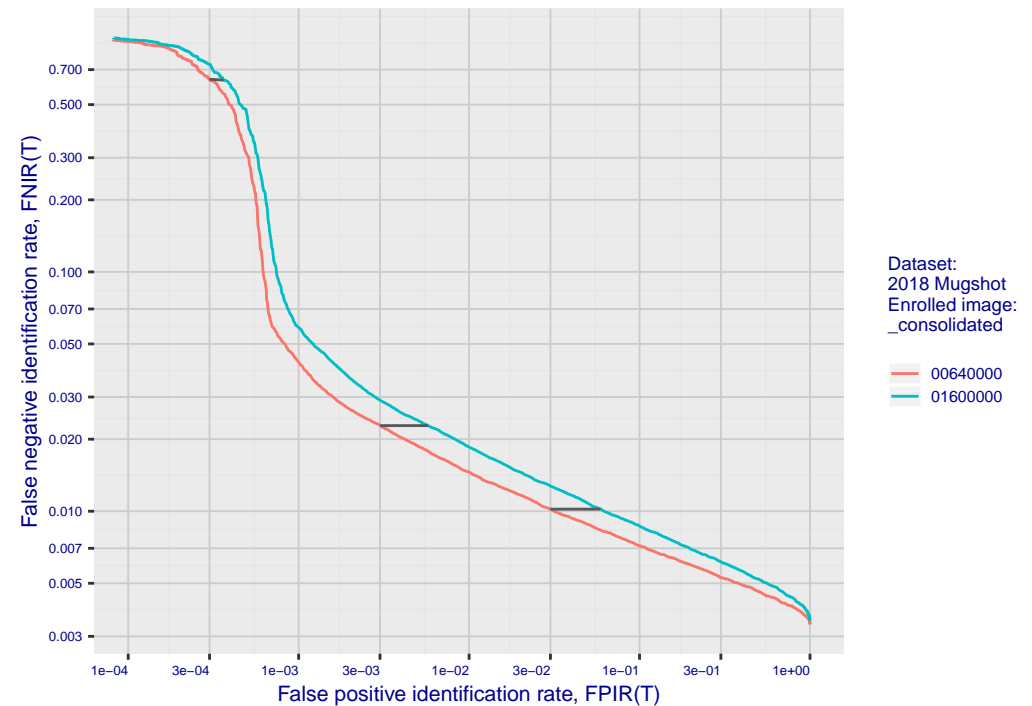**Fig 4: DET for various N. Links connect points of equal threshold.**
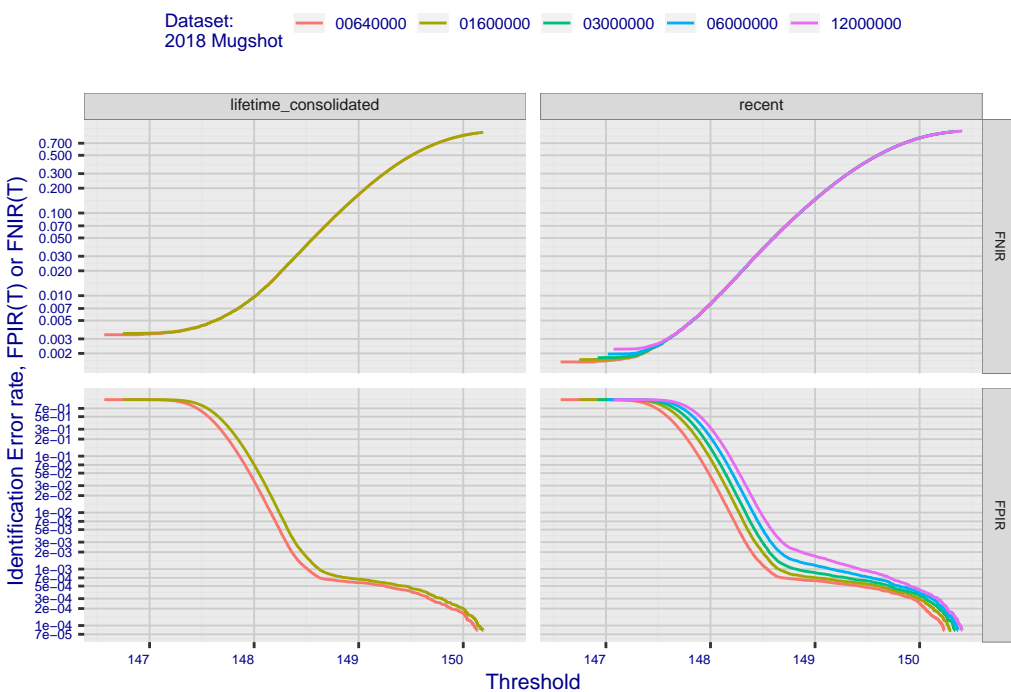
Fig 5: Dependence on T by number enrolled identities

Fig 6: FPIR dependence on T by probe type

Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type
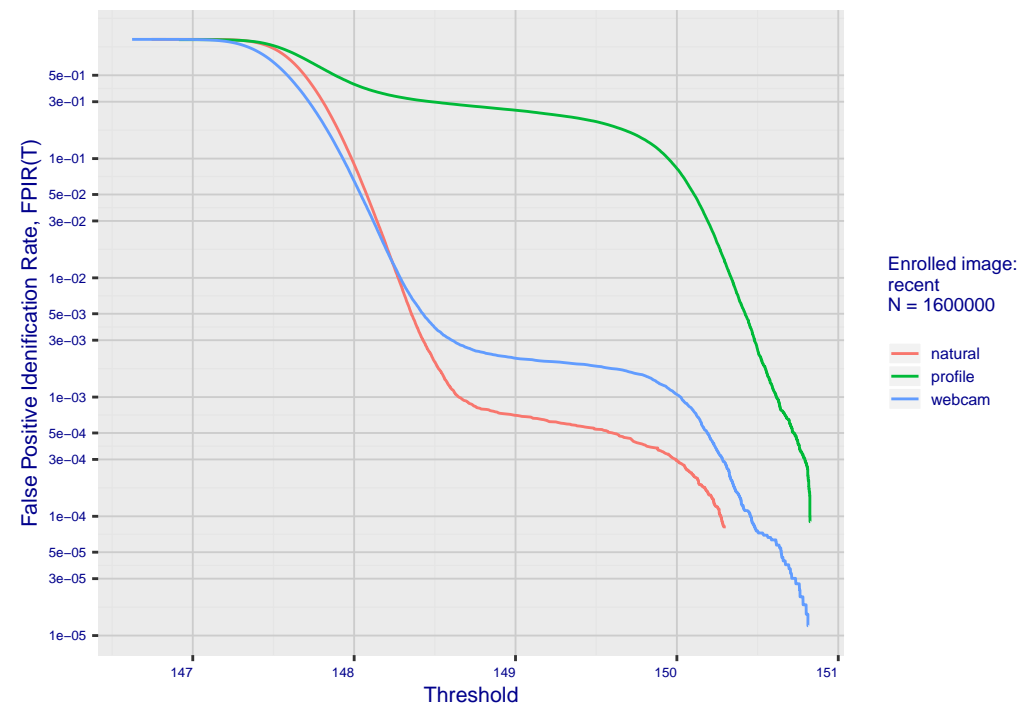
Fig 8: FPIR vs. Selectivity

3. Report for algorithm tech5_001   2020–03–20 13:27:16
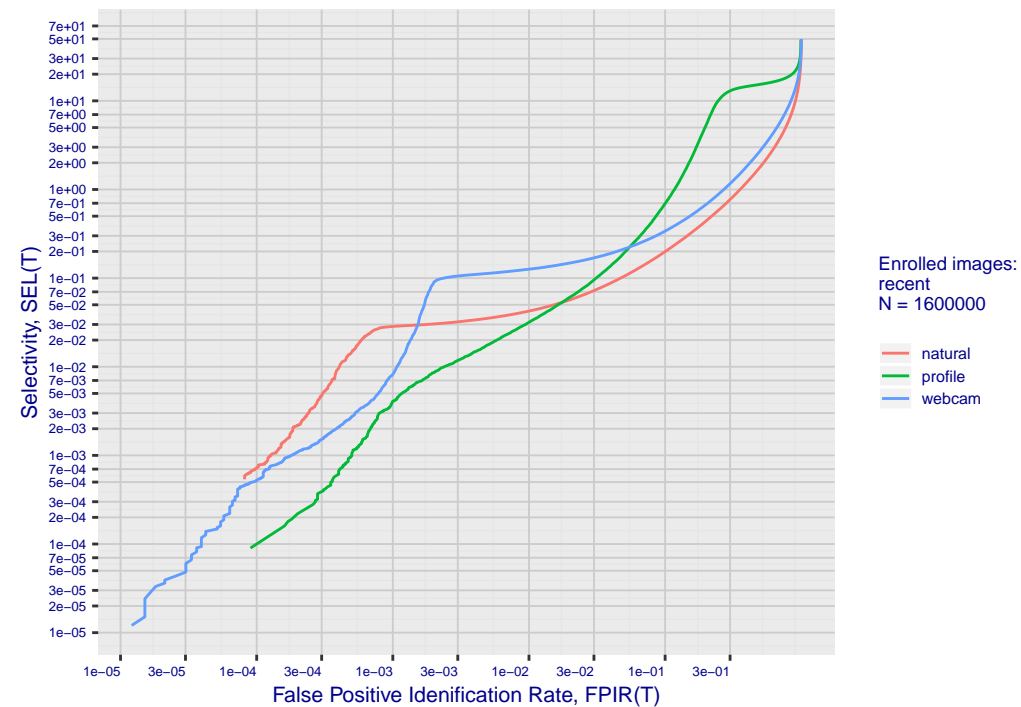
Fig 9: Solo–Twin and Twin–Twin similarity scores

TVAL — FPIR = 0.001 — FPIR = 0.003 — FPIR = 0.010 — FPIR =

Similarity Score

150.0
147.5
145.0
142.5

Desired outcome:
AA high, AB low

AA–identical   AB–identical   AA–fraternal   AB–fraternal

Gallery: Twin A; Probe: Twin A or B; Type of Twin
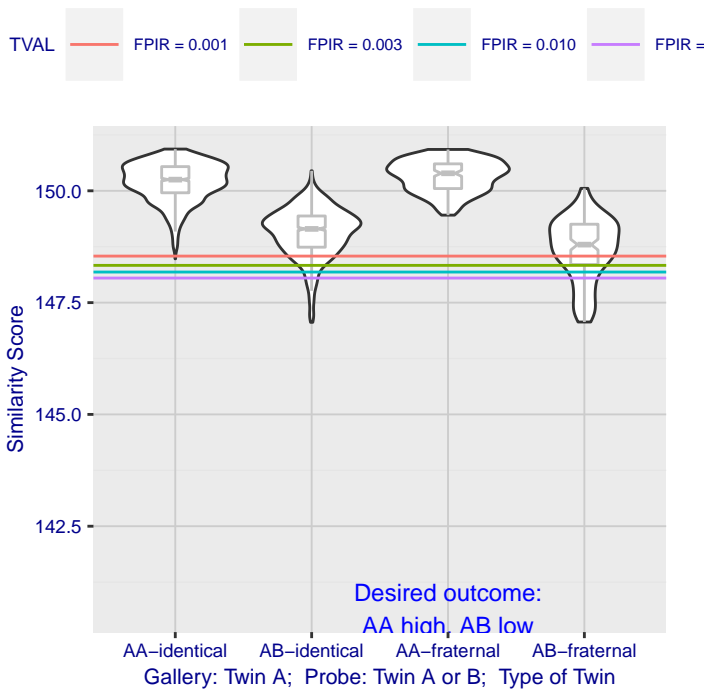
Fig 10: Template duration; search duration vs. N

MODEL — Log Model --- Power Law Model

Search Duration (milliseconds)

1000
700
500
300

7e+05   8e+05   1e+06

Enrolled population size, N, one image per person
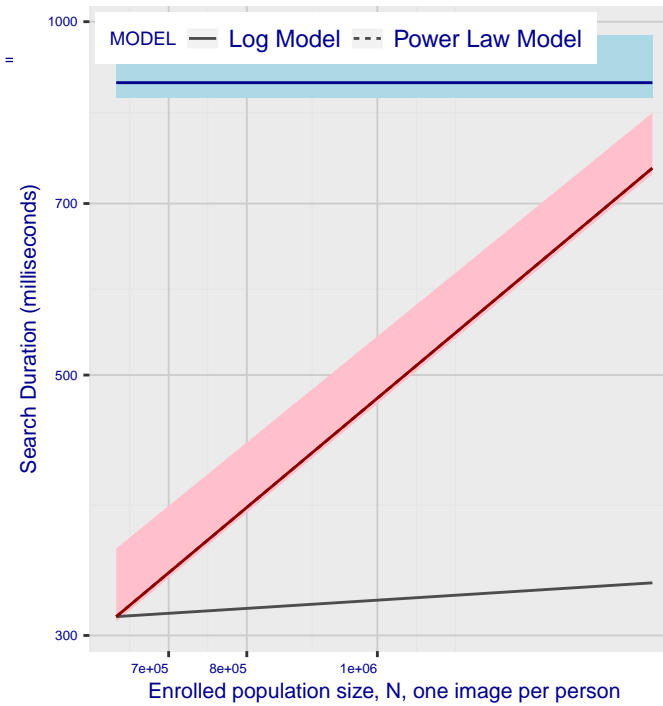
Fig 11: Datasheet

Algorithm: tech5_001

Developer: Tech5 SA

Submission Date: 2019_08_19

Template size: 1536 bytes

Template time (2.5 percentile): 861 msec

Template time (median): 887 msec

Template time (97.5 percentile): 974 msec

Investigation rank 45 –– FNIR(1600000, 0, 1) = 0.0040 vs. lowest 0.0010 from sens

Identification rank 72 –– FNIR(1600000, T, L+1) = 0.0569
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003