

A: Datasheet

Algorithm: tiger\_1

Developer: TigerIT Americas LLC

Submission Date: 2018\_06\_27

Template size: 2052 bytes

Template time (2.5 percentile): 363 msec

Template time (median): 396 msec

Template time (97.5 percentile): 446 msec

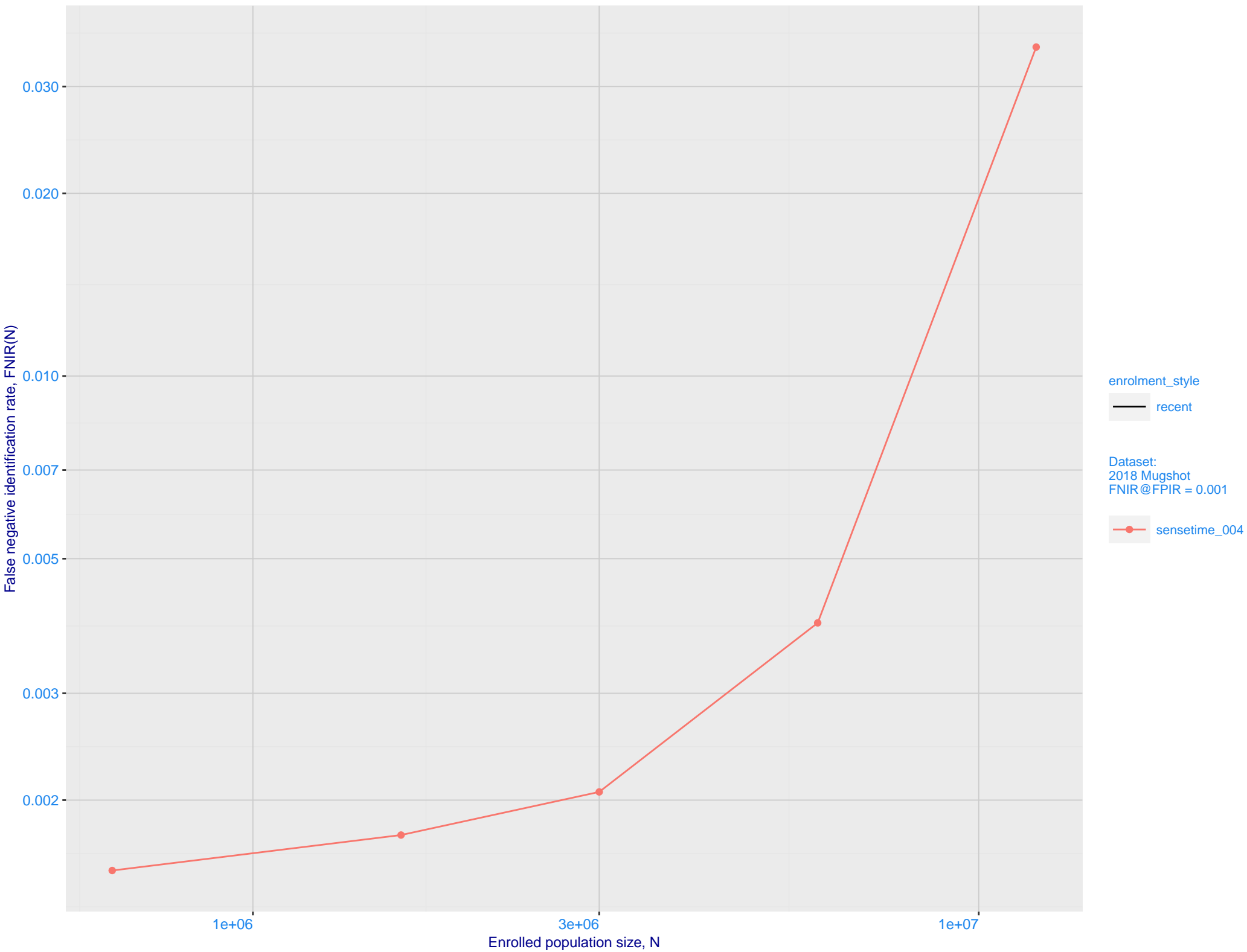
Investigation:

Mugshot webcam ranking 201 (out of 221) --- FNIR(1600000, 0, 1) = 0.3508 vs. lowest 0.0062 from sensetime\_005

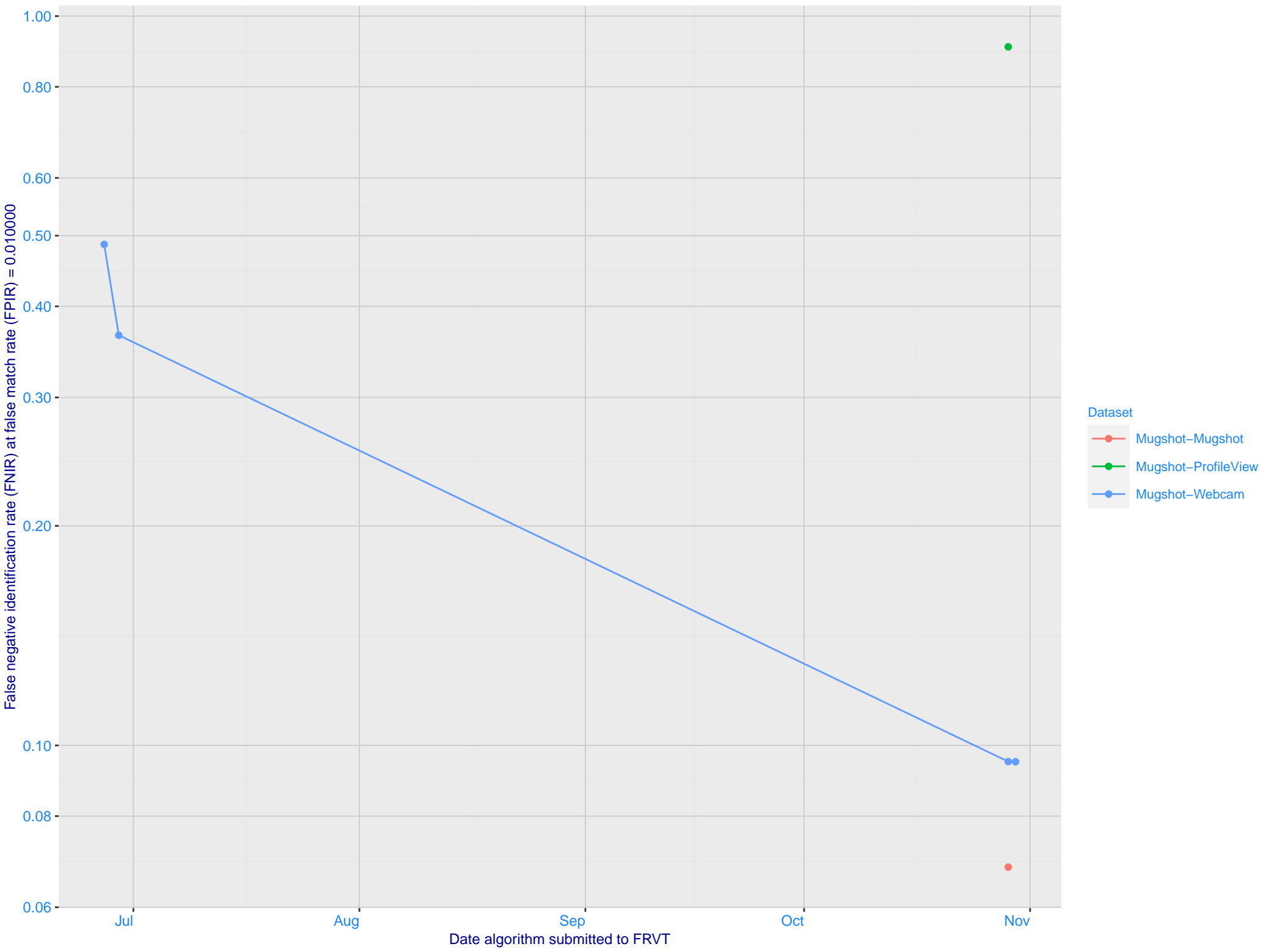
Identification:

Mugshot webcam ranking 181 (out of 219) --- FNIR(1600000, T, L+1) = 0.5793, FPIR=0.001000 vs. lowest 0.0122 from sensetime\_003

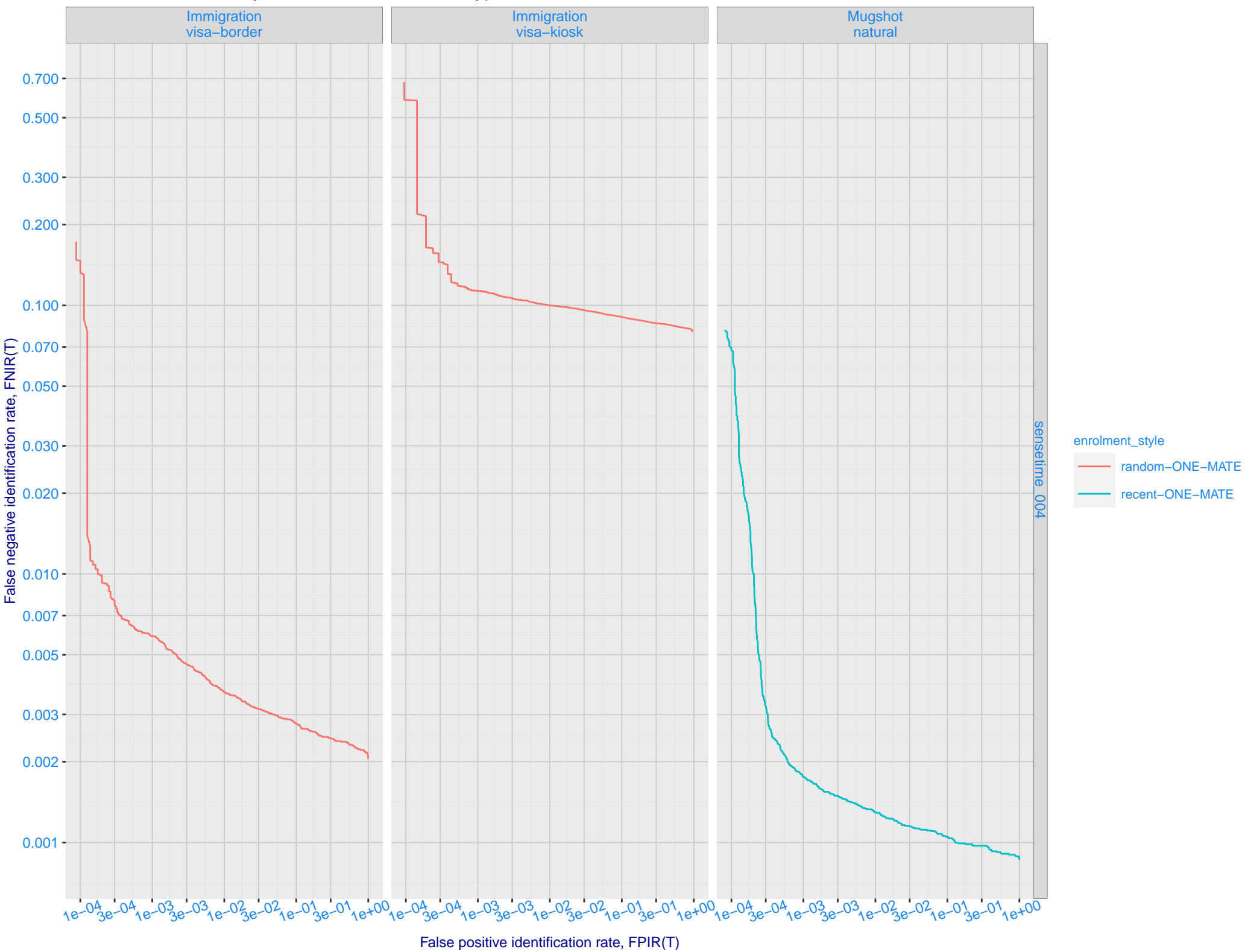
B: Mugshot natural images, identification mode: FNIR(N, L+1, T) vs. most accurate (sensetime\_004)



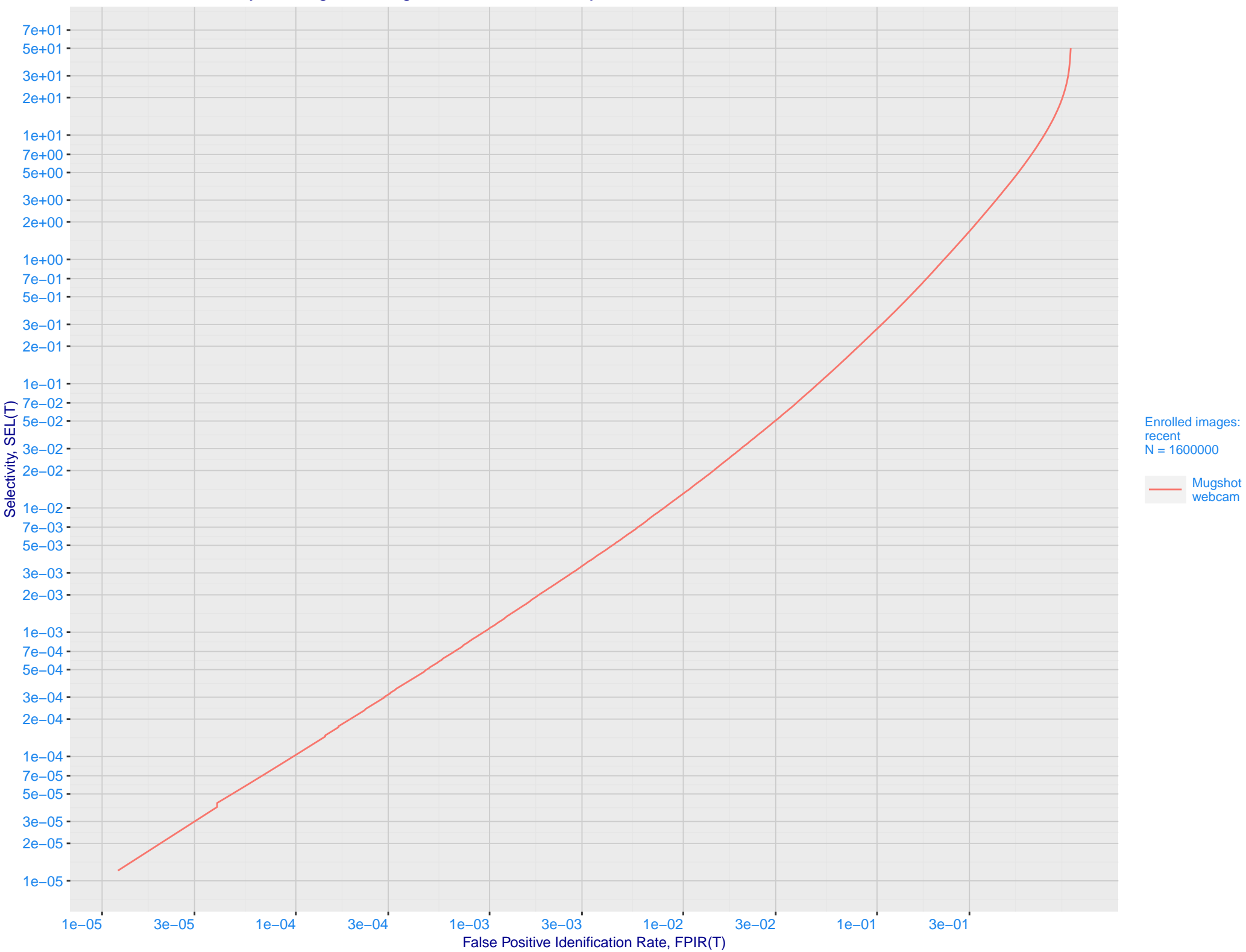
C: Evolution of accuracy for TIGER algorithms on three datasets 2018 – present



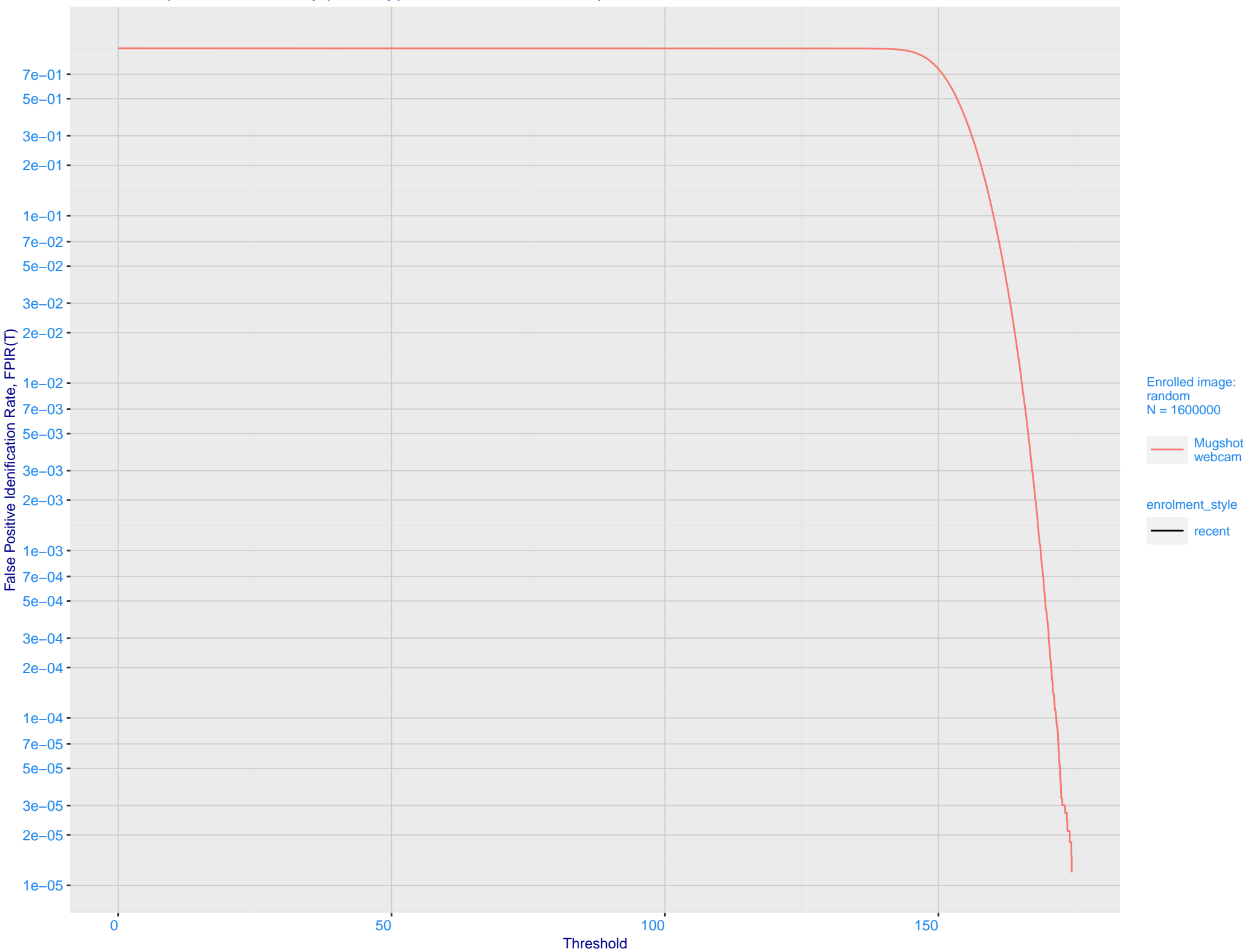
D: 1:N error tradeoff by dataset and enrollment type. N = 1600000 individuals



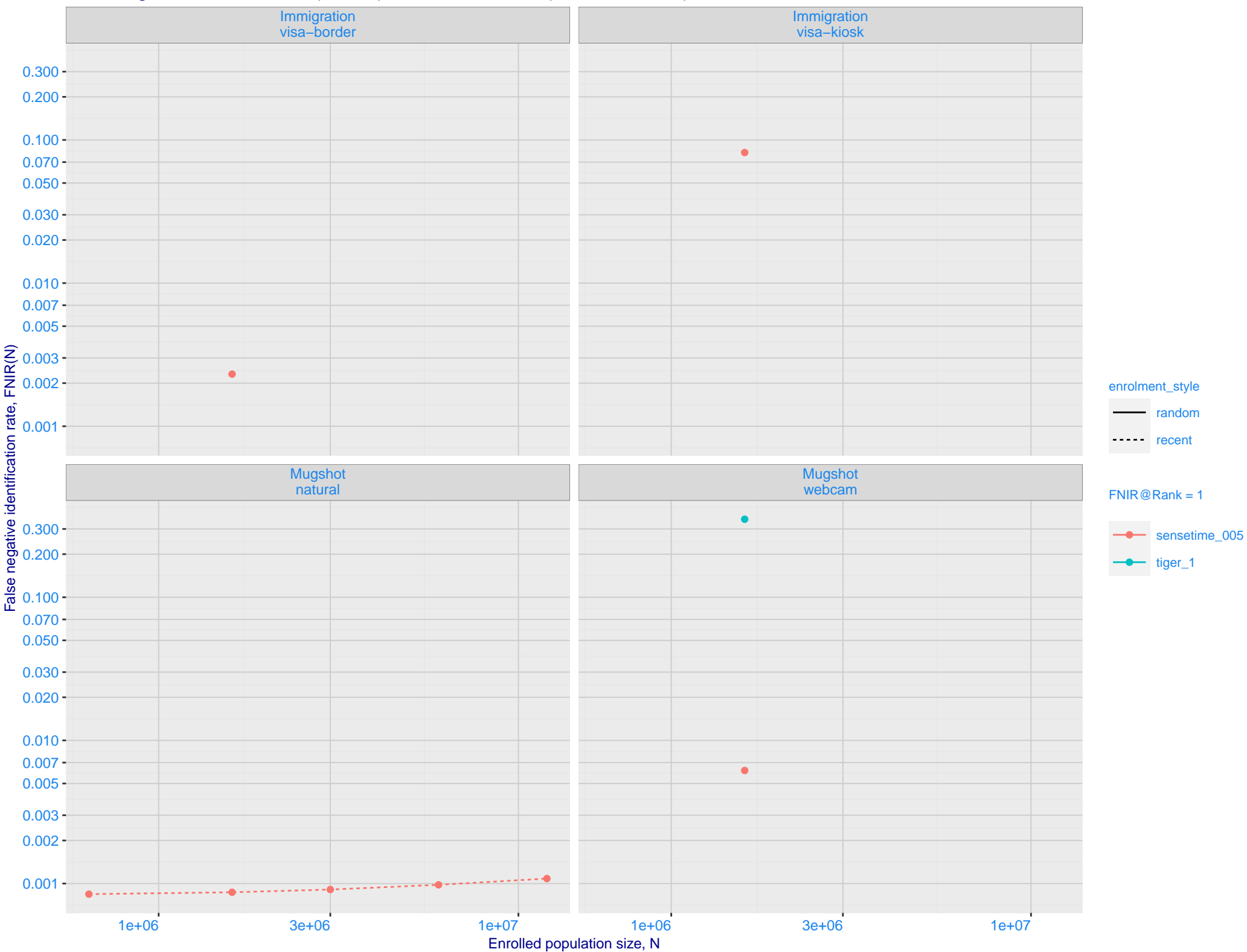
F: FPIR vs. Selectivity for mugshot images, N = 1600000 subjects enrolled with one recent mate



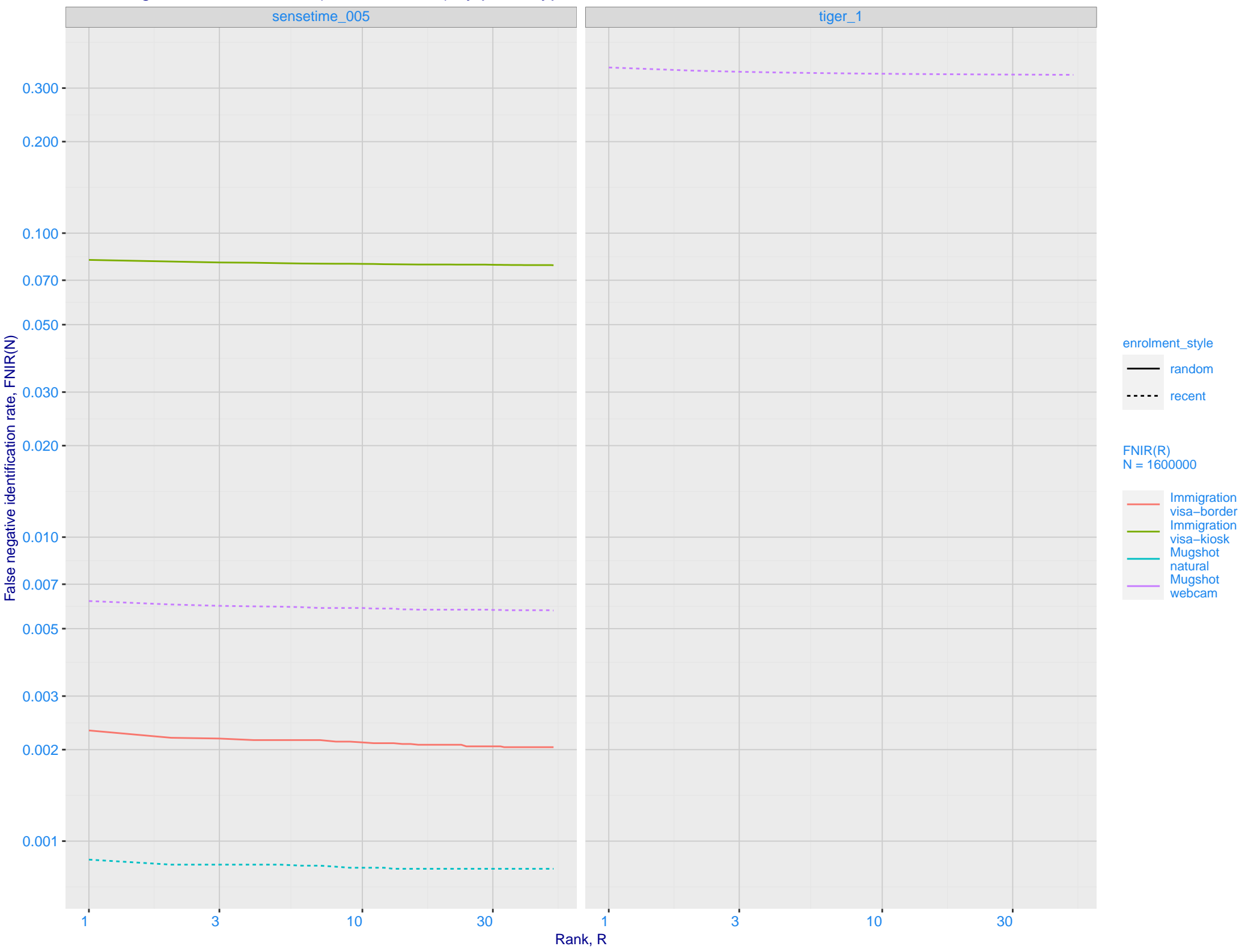
G: FPIR dependence on T by probe type for N = 1600000 subjects



I: Investigational mode: FNIR(N, 1, 0) vs. most accurate (sensetime\_005)

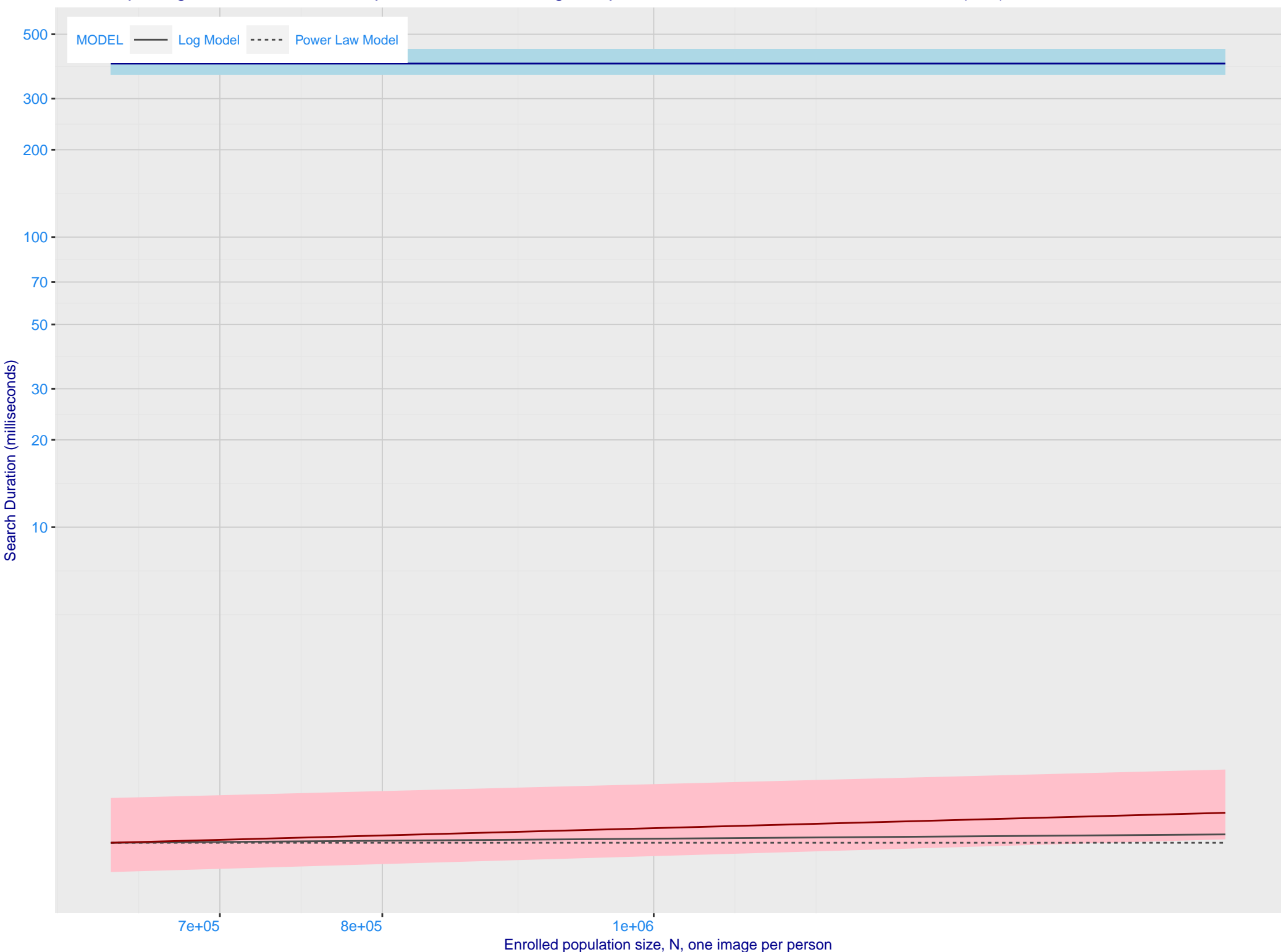


# J: Investigational mode: FNIR(1600000, R, 0) by probe type





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

Dataset: 2018 Mugshot N = 3068801

