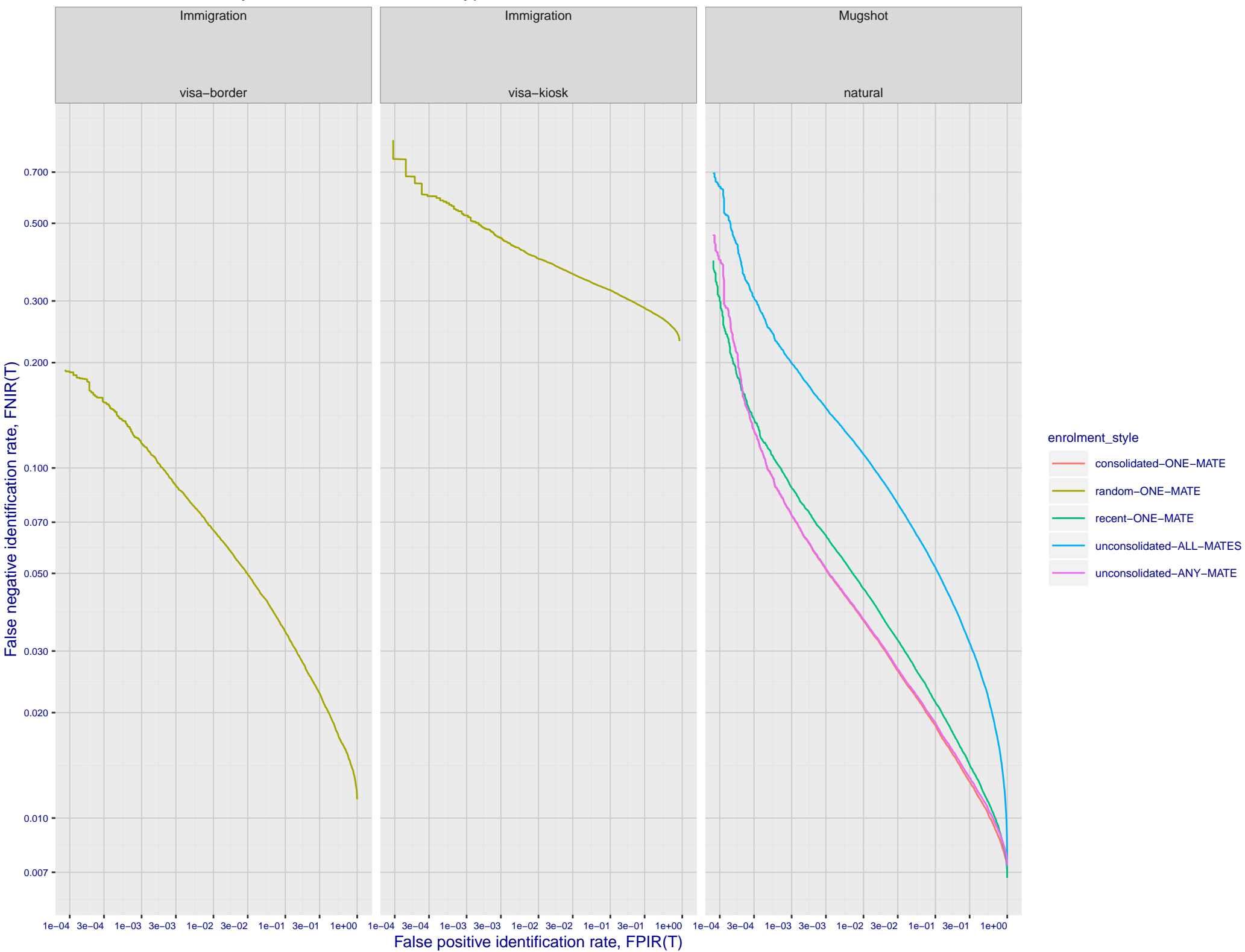
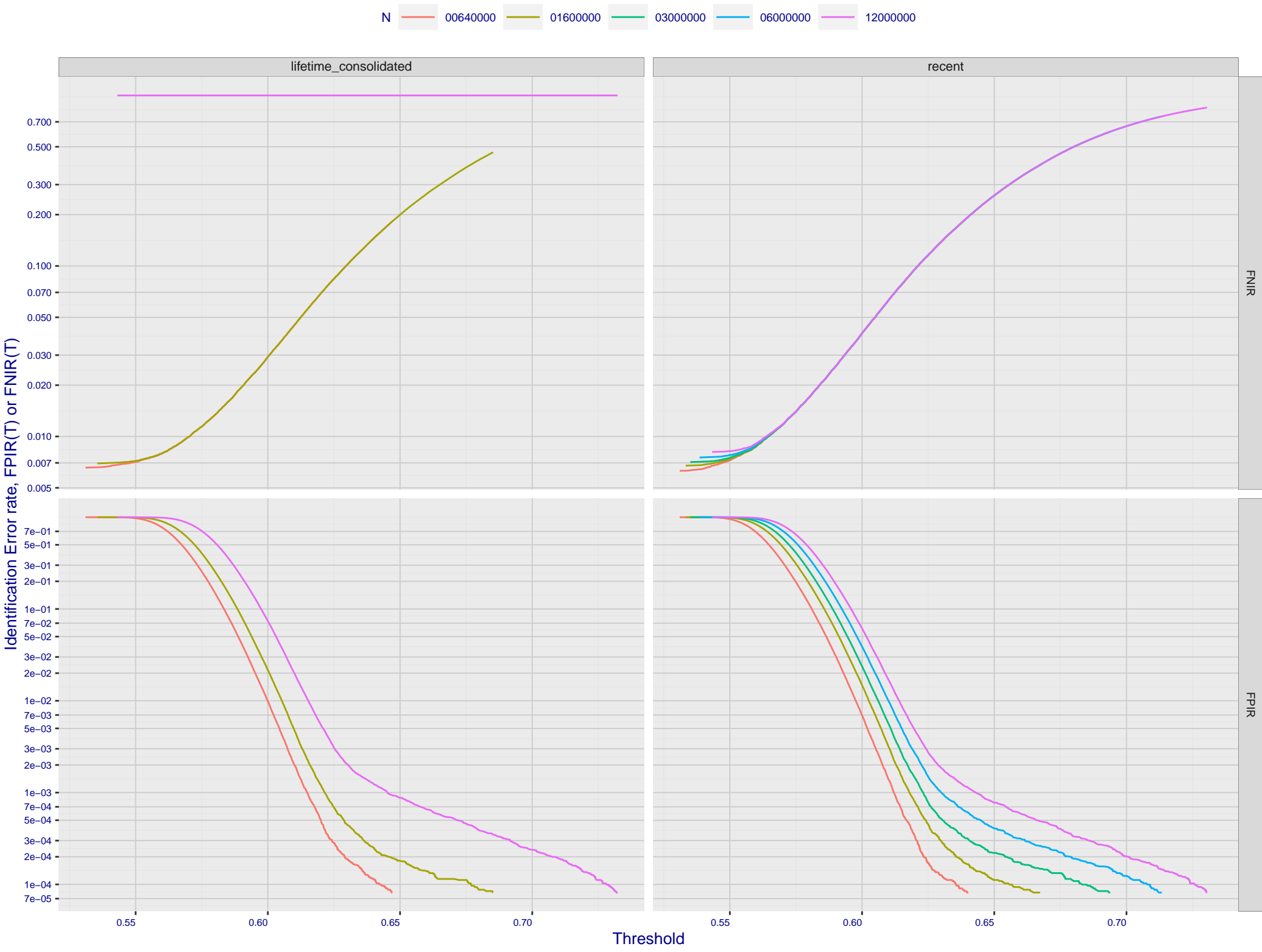


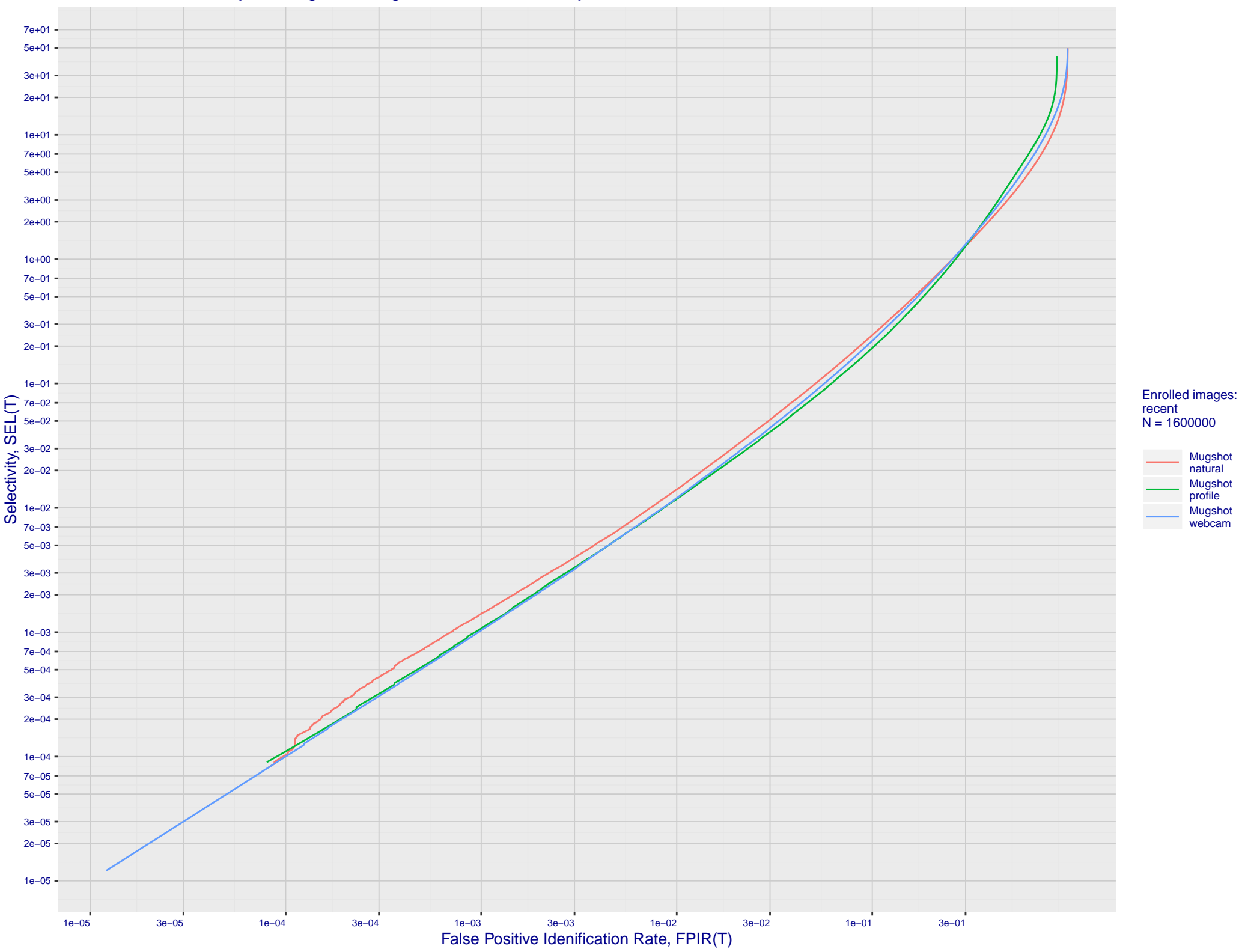
A: 1:N error tradeoff by dataset and enrollment type. N = 1600000 individuals



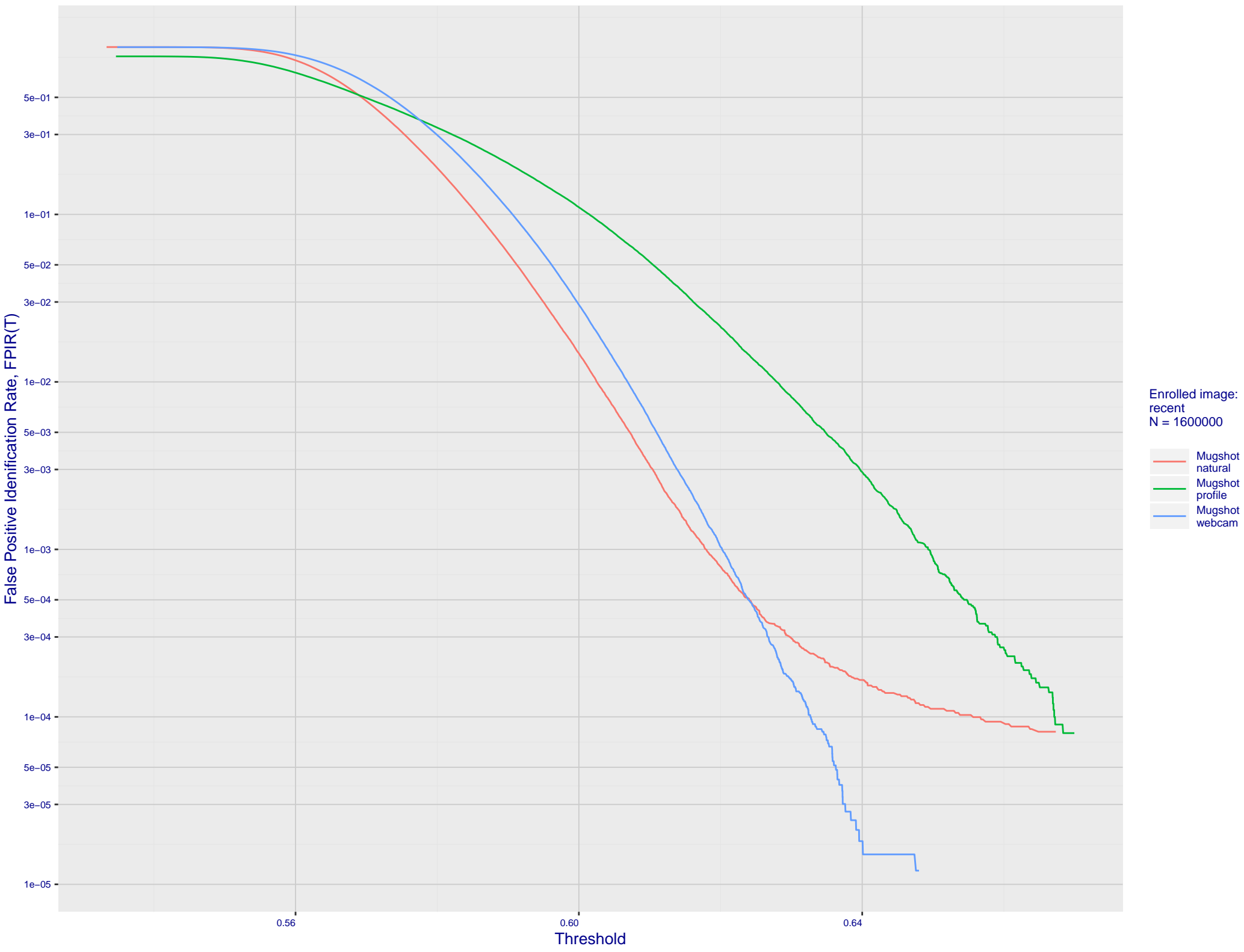
B: Dependence of error rates on T by number enrolled identities, N, for Mugshot natural images



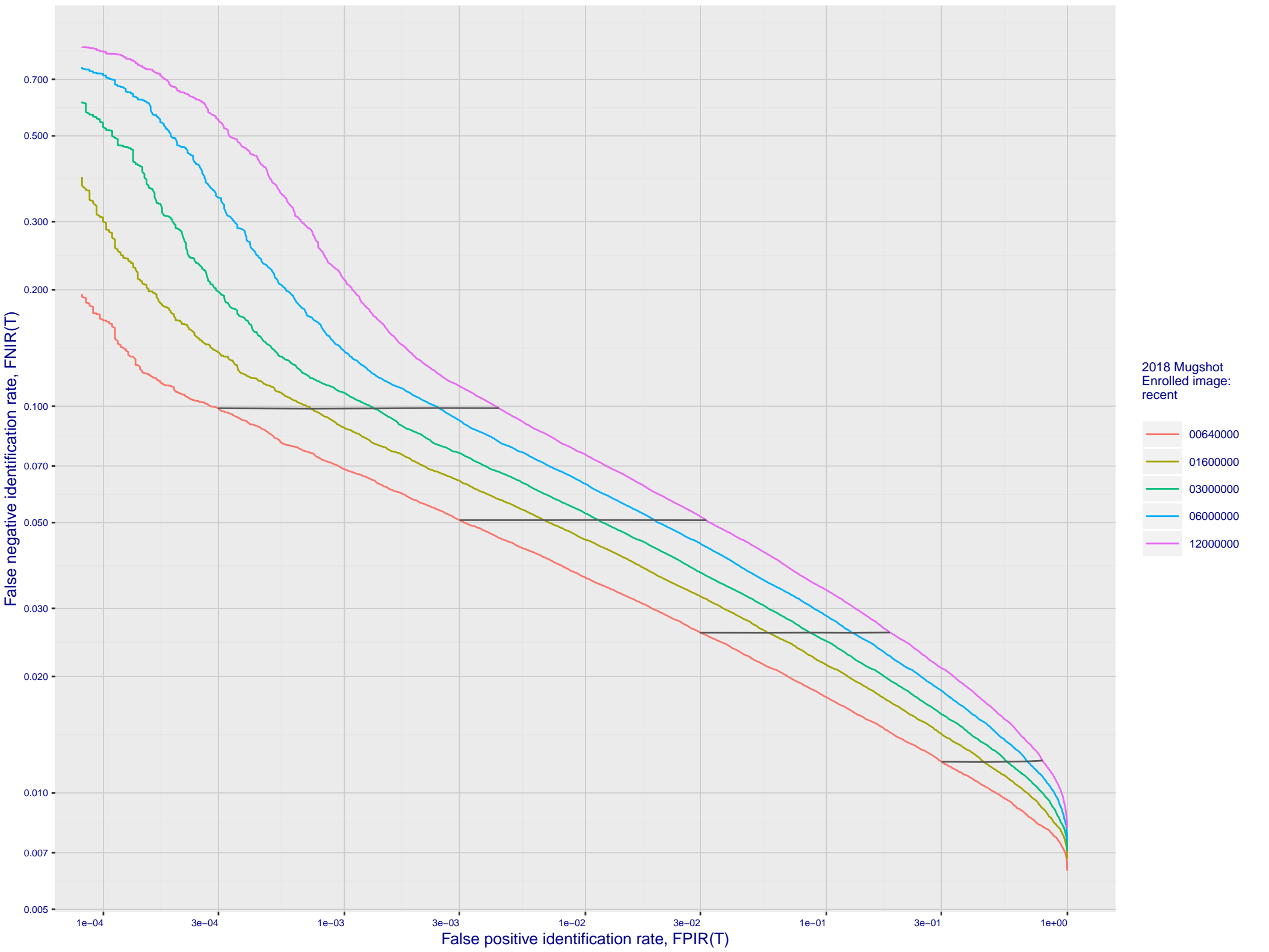
C: FPIR vs. Selectivity for mugshot images, N = 1600000 subjects enrolled with one recent mate



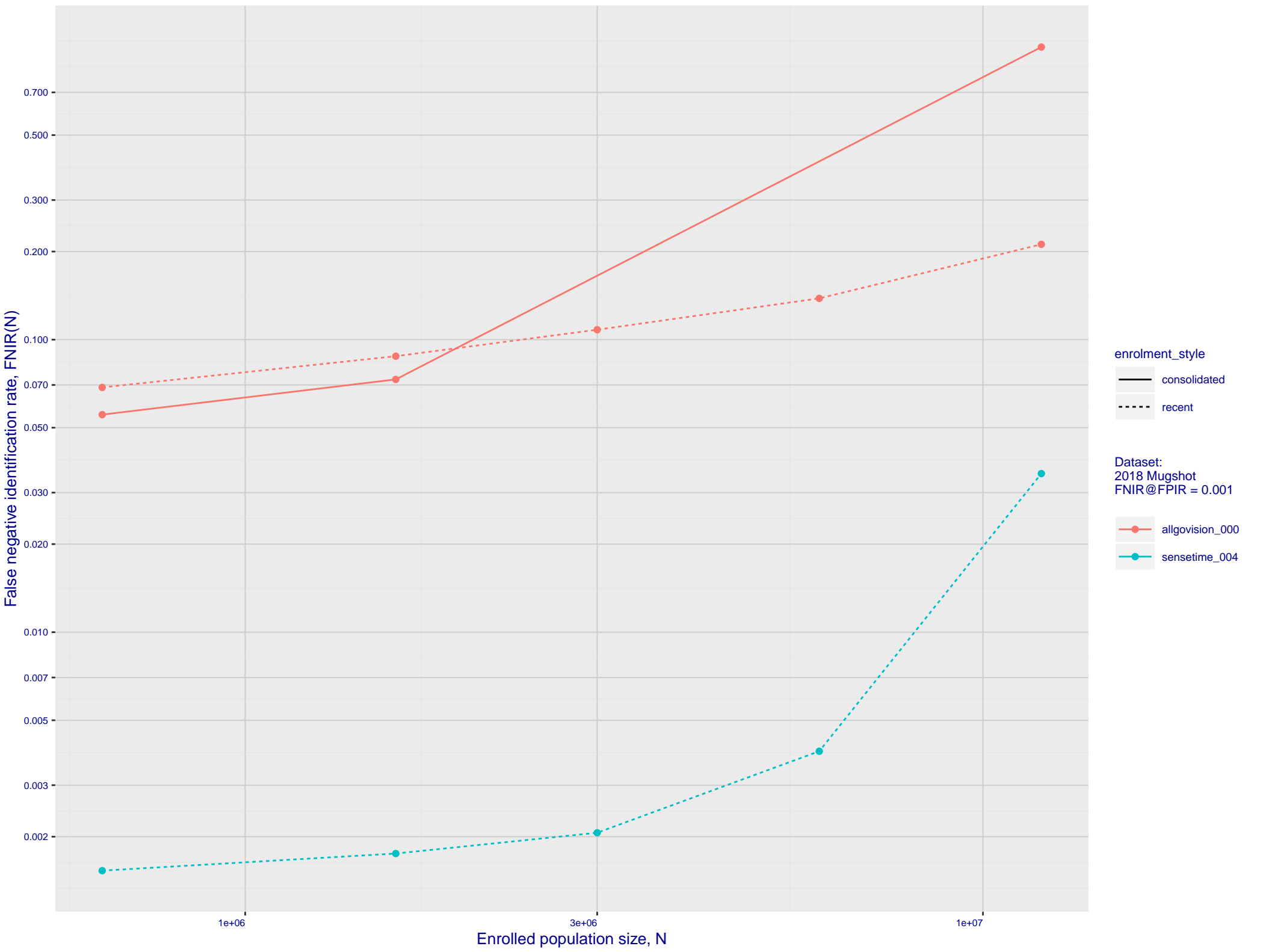
D: FPIR dependence on T by probe type for N = 1600000 subjects



E: DET for Mugshot natural images and various N. Links connect points of equal threshold.



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



## G: Datasheet

Algorithm: allgovision\_000

Developer: AllGoVision

Submission Date: 2019\_07\_30

Template size: 2048 bytes

Template time (2.5 percentile): 381 msec

Template time (median): 405 msec

Template time (97.5 percentile): 631 msec

Frontal mugshot investigation rank 124 -- FNIR(1600000, 0, 1) = 0.0114 vs. lowest 0.0010 from sensetime\_004

natural investigation rank 101 -- FNIR(1600000, 0, 1) = 0.0332 vs. lowest 0.0067 from sensetime\_003

natural investigation rank 198 -- FNIR(1600000, 0, 1) = 0.8270 vs. lowest 0.0492 from paravision\_005

natural investigation rank 198 -- FNIR(1600000, 0, 1) = 0.8270 vs. lowest 0.0492 from paravision\_005

natural investigation rank 59 -- FNIR(1600000, 0, 1) = 0.0208 vs. lowest 0.0014 from visionlabs\_009

natural investigation rank 78 -- FNIR(1600000, 0, 1) = 0.2817 vs. lowest 0.0694 from cib\_000

Frontal mugshot identification rank 113 -- FNIR(1600000, T, L+1) = 0.0878 vs. lowest 0.0018 from sensetime\_004

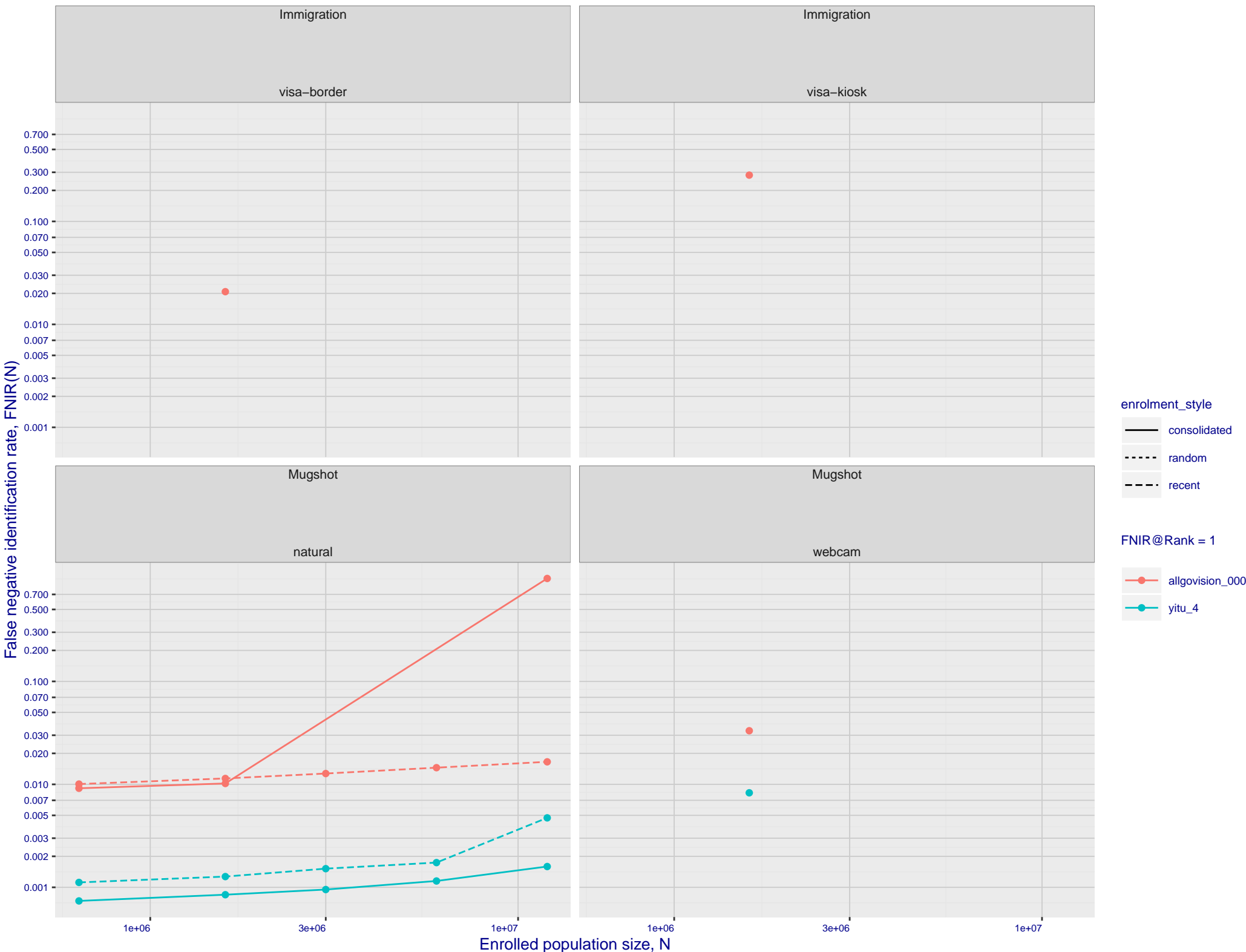
natural identification rank 104 -- FNIR(1600000, T, L+1) = 0.1659 vs. lowest 0.0122 from sensetime\_003

natural identification rank 73 -- FNIR(1600000, T, L+1) = 0.9803 vs. lowest 0.1020 from sensetime\_004

natural identification rank 52 -- FNIR(1600000, T, L+1) = 0.1178 vs. lowest 0.0059 from sensetime\_004

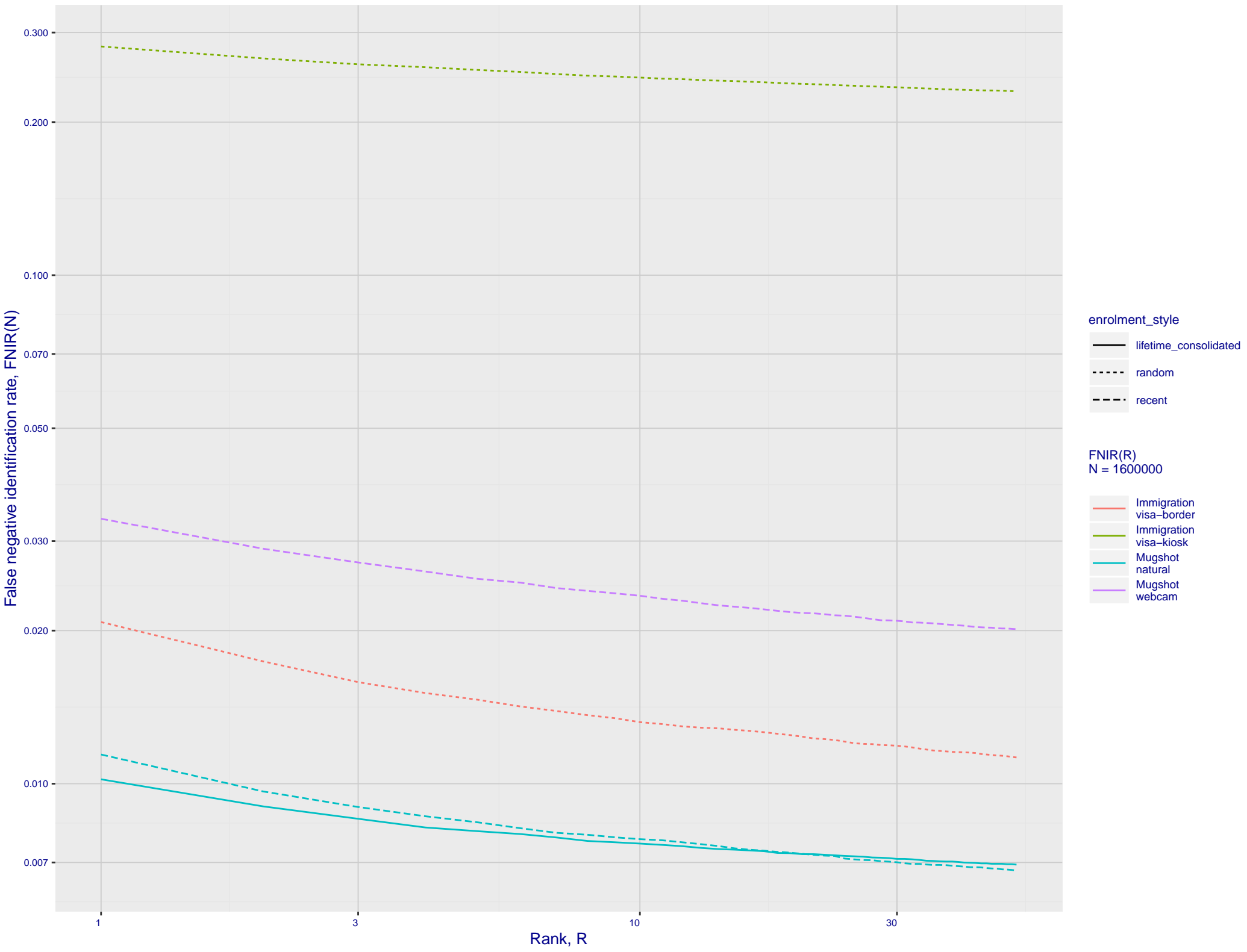
natural identification rank 52 -- FNIR(1600000, T, L+1) = 0.5268 vs. lowest 0.1129 from visionlabs\_009

H: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)





I: 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

