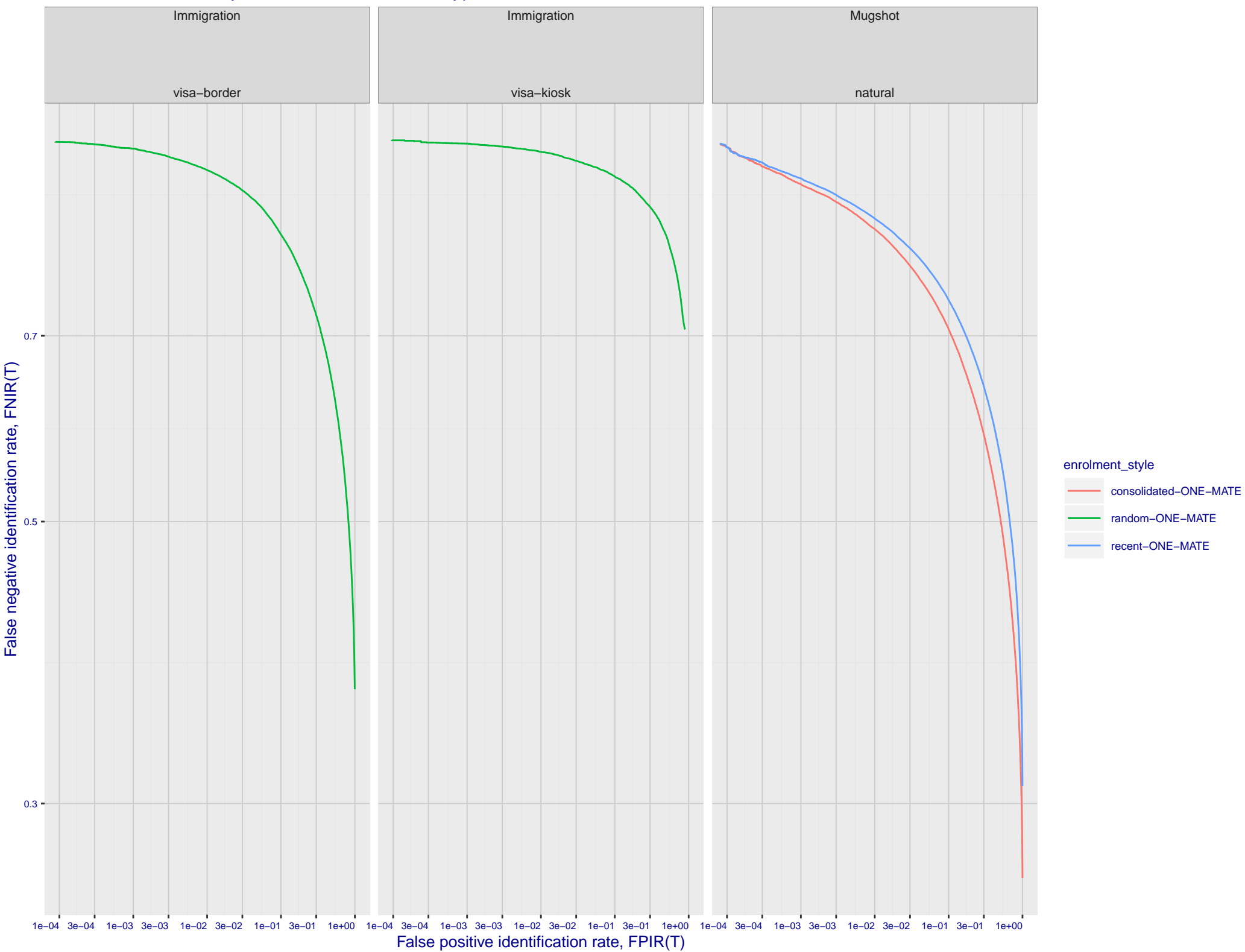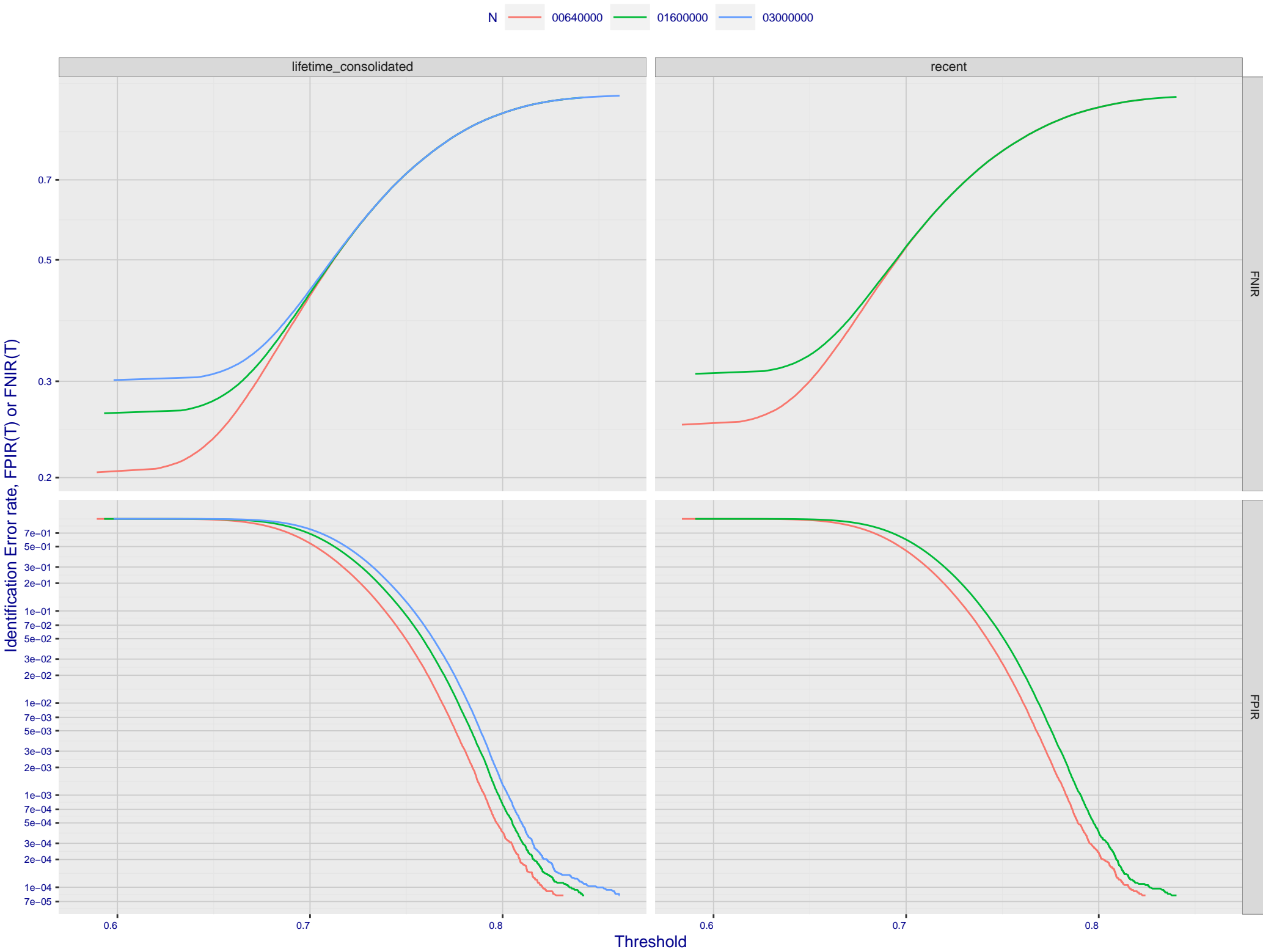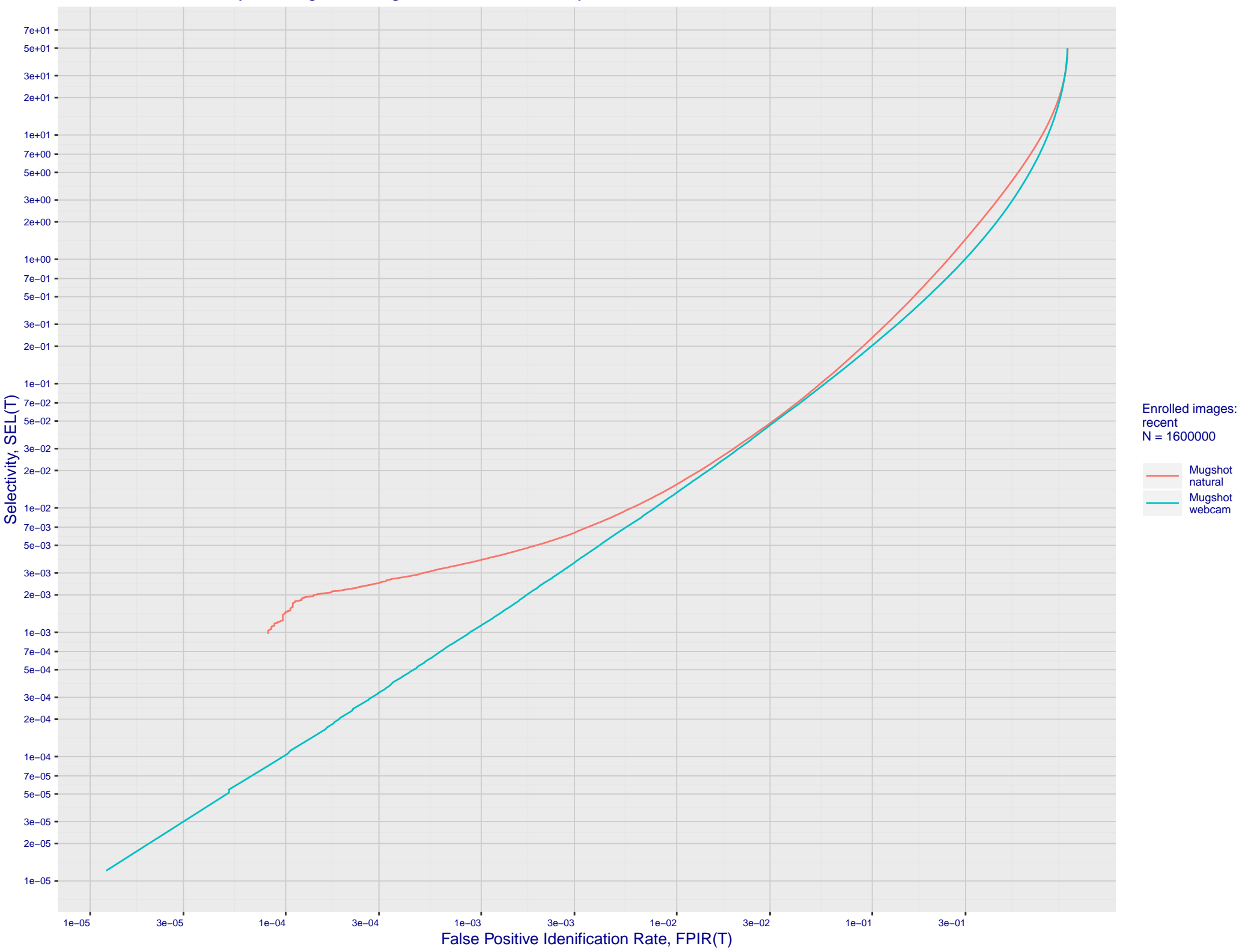A: 1:N error tradeoff by dataset and enrollment type. N = 1600000 individuals
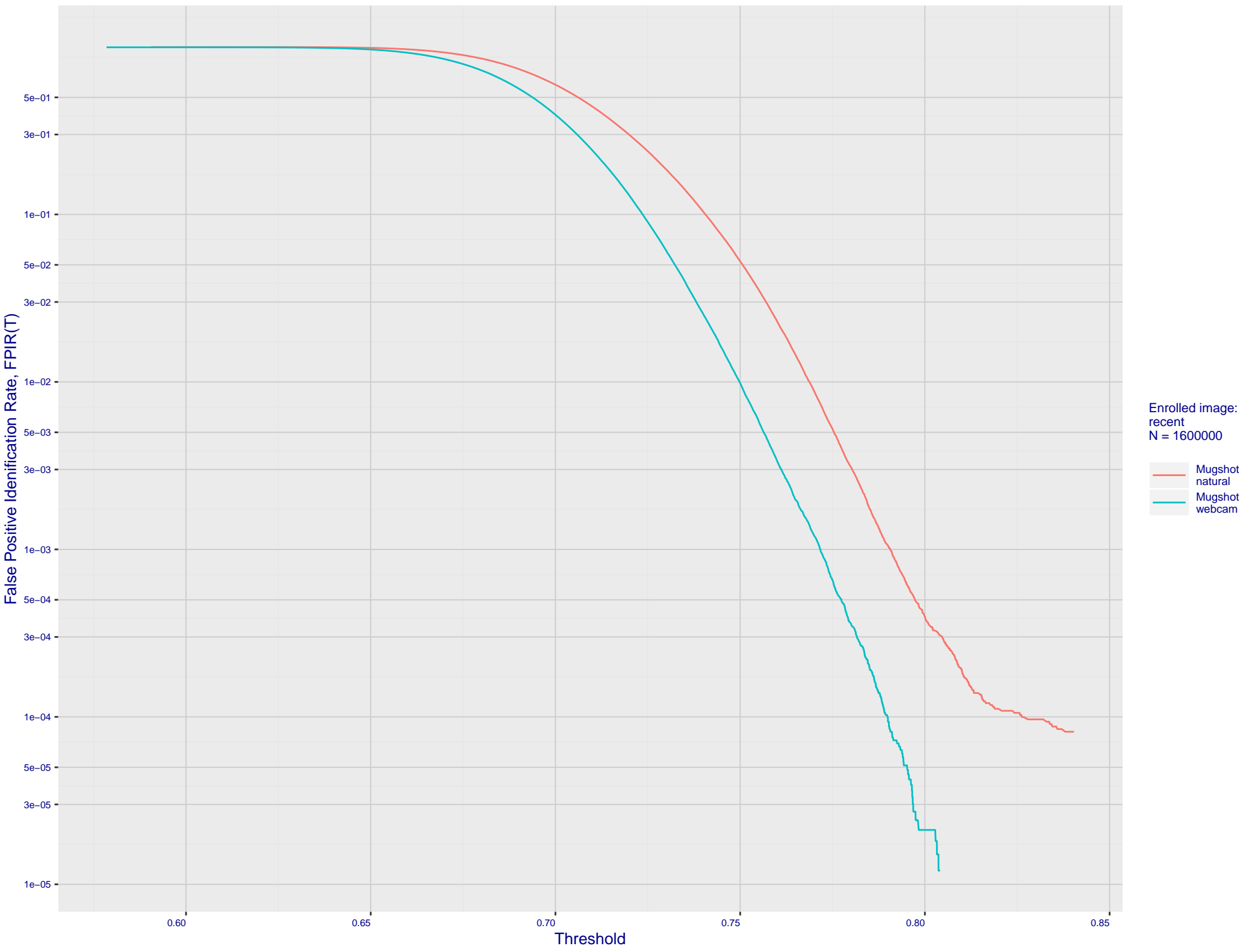
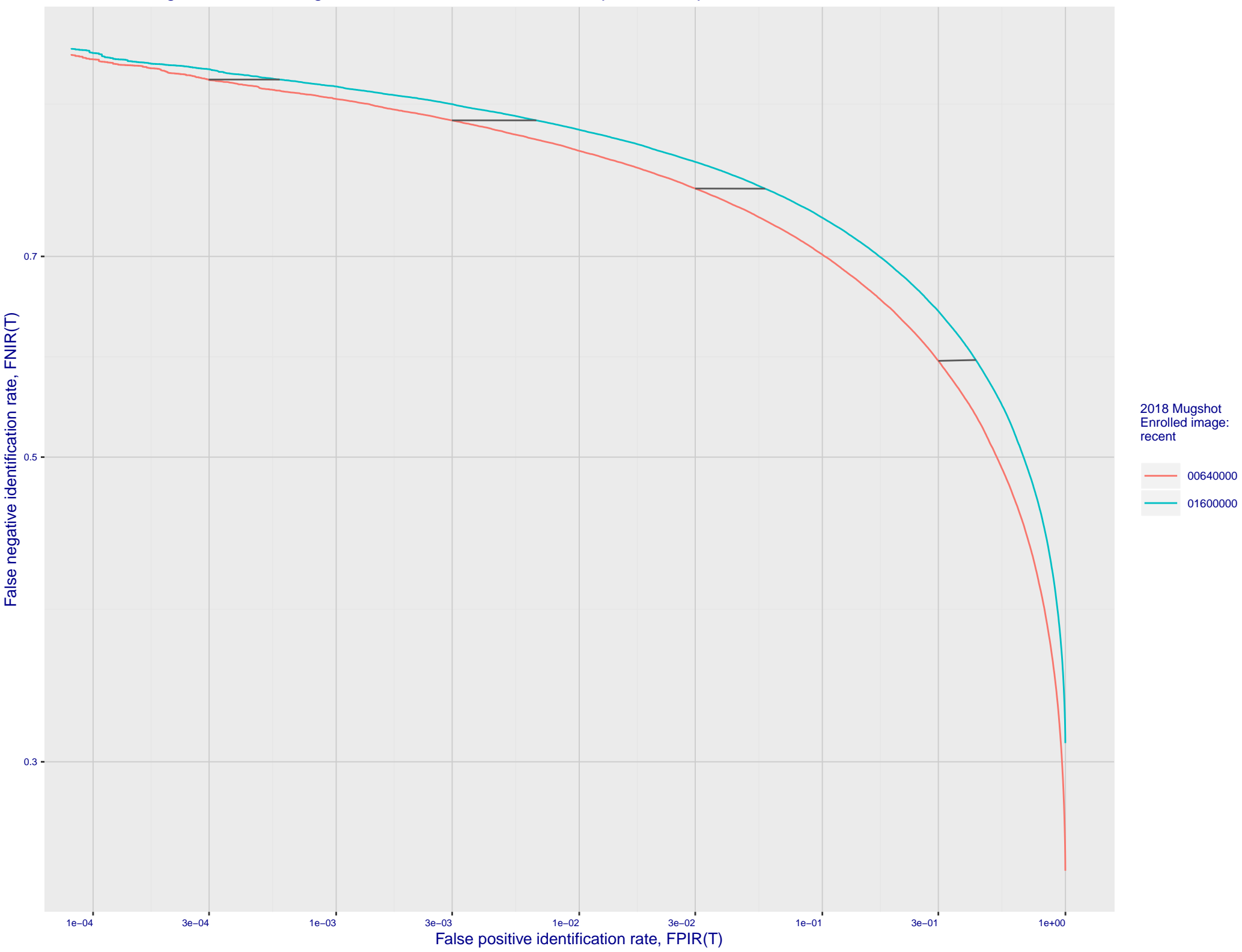B: Dependence of error rates on T by number enrolled identities, N, for Mugshot natural images

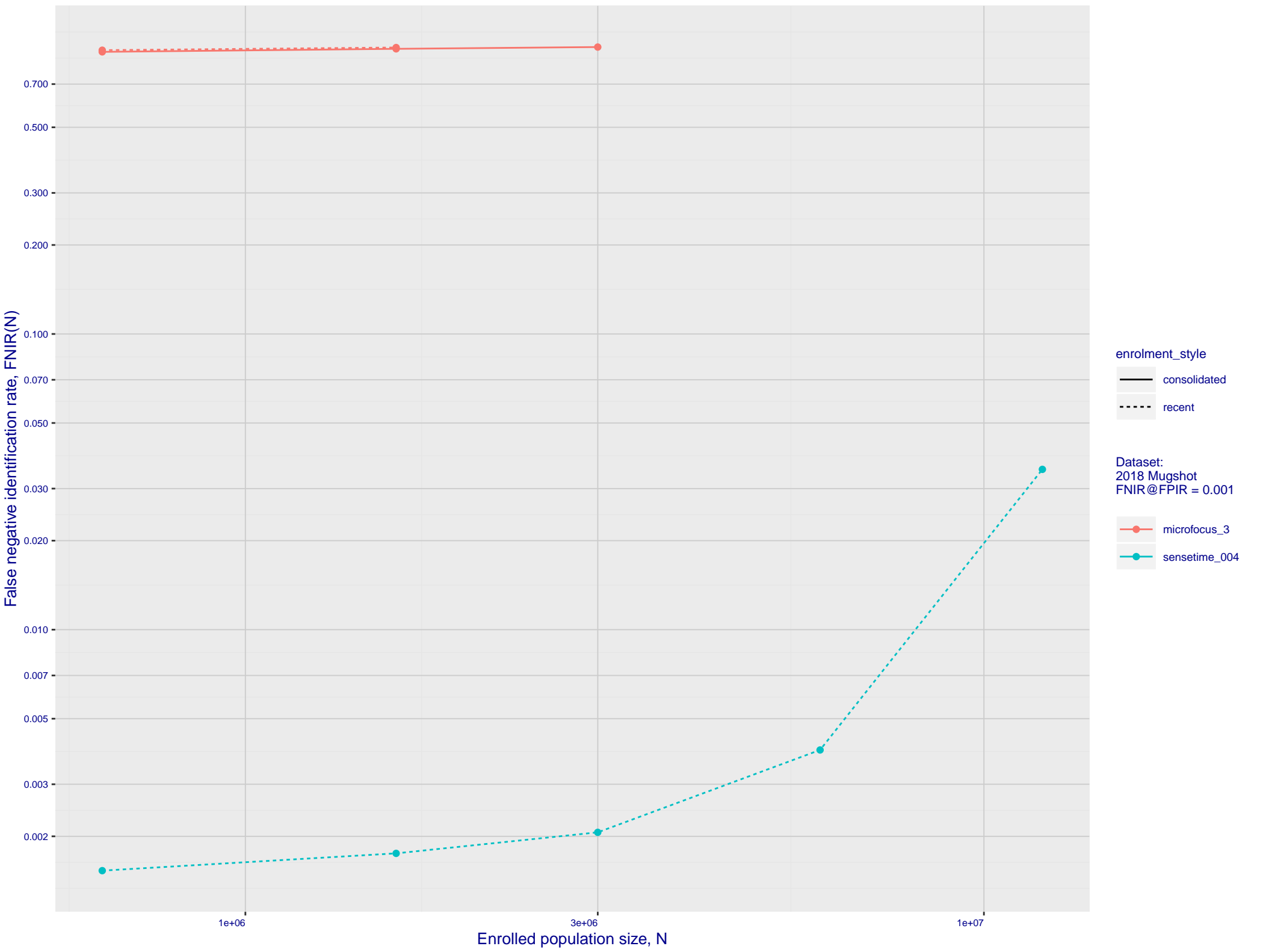C: FPIR vs. Selectivity for mugshot images, N = 1600000 subjects enrolled with one recent mate

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: microfocus_3

Developer: MicroFocus

Submission Date: 2018_06_22

Template size: 256 bytes

Template time (2.5 percentile): 226 msec

Template time (median): 265 msec

Template time (97.5 percentile): 338 msec

Frontal mugshot investigation rank 246 −− FNIR(1600000, 0, 1) = 0.5942 vs. lowest 0.0010 from sensetime_004

natural investigation rank 210 −− FNIR(1600000, 0, 1) = 0.7812 vs. lowest 0.0067 from sensetime_003

natural investigation rank 95 −− FNIR(1600000, 0, 1) = 0.7083 vs. lowest 0.0014 from visionlabs_009

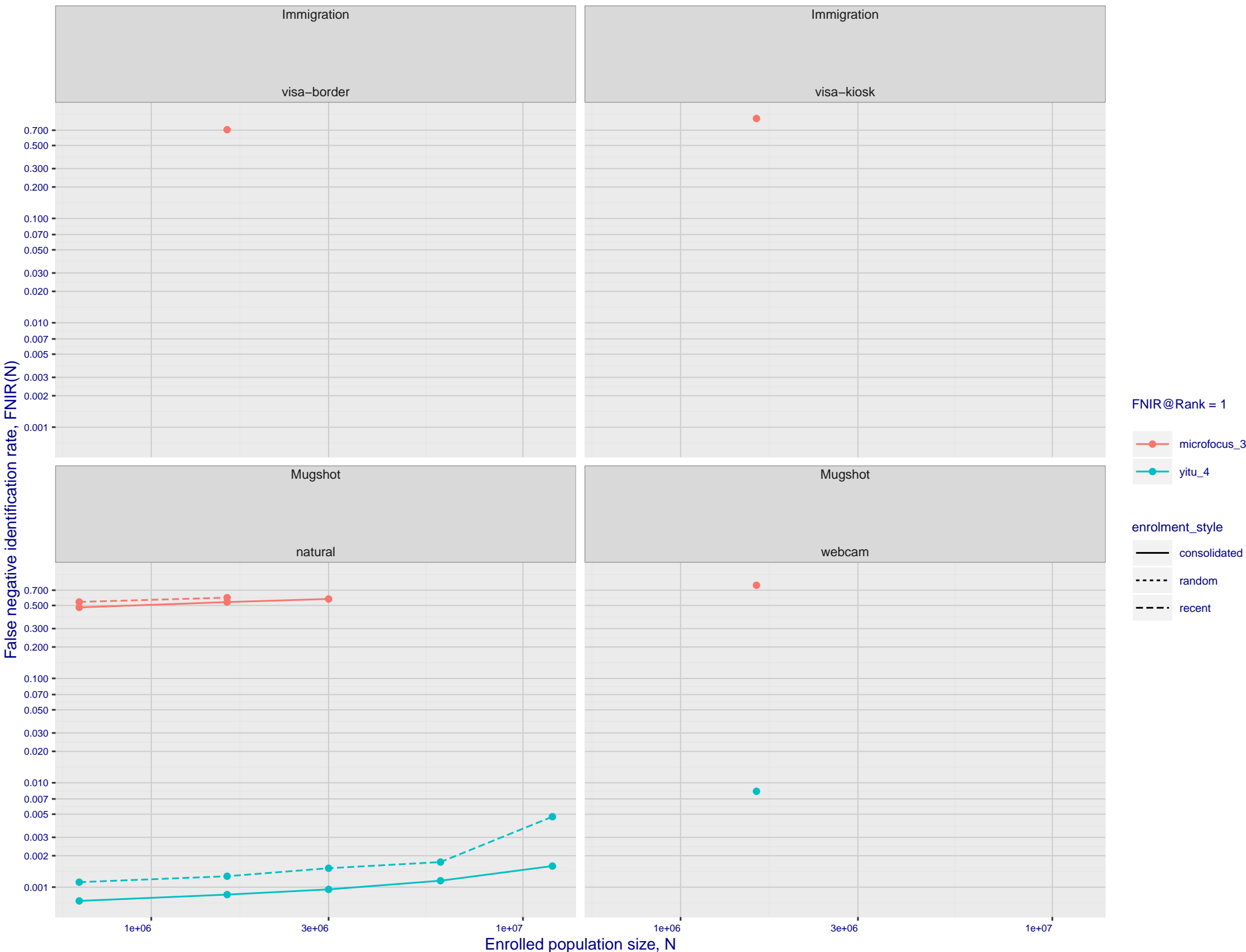natural investigation rank 96 −− FNIR(1600000, 0, 1) = 0.9073 vs. lowest 0.0694 from cib_000

Frontal mugshot identification rank 237 −− FNIR(1600000, T, L+1) = 0.9308 vs. lowest 0.0018 from sensetime_004

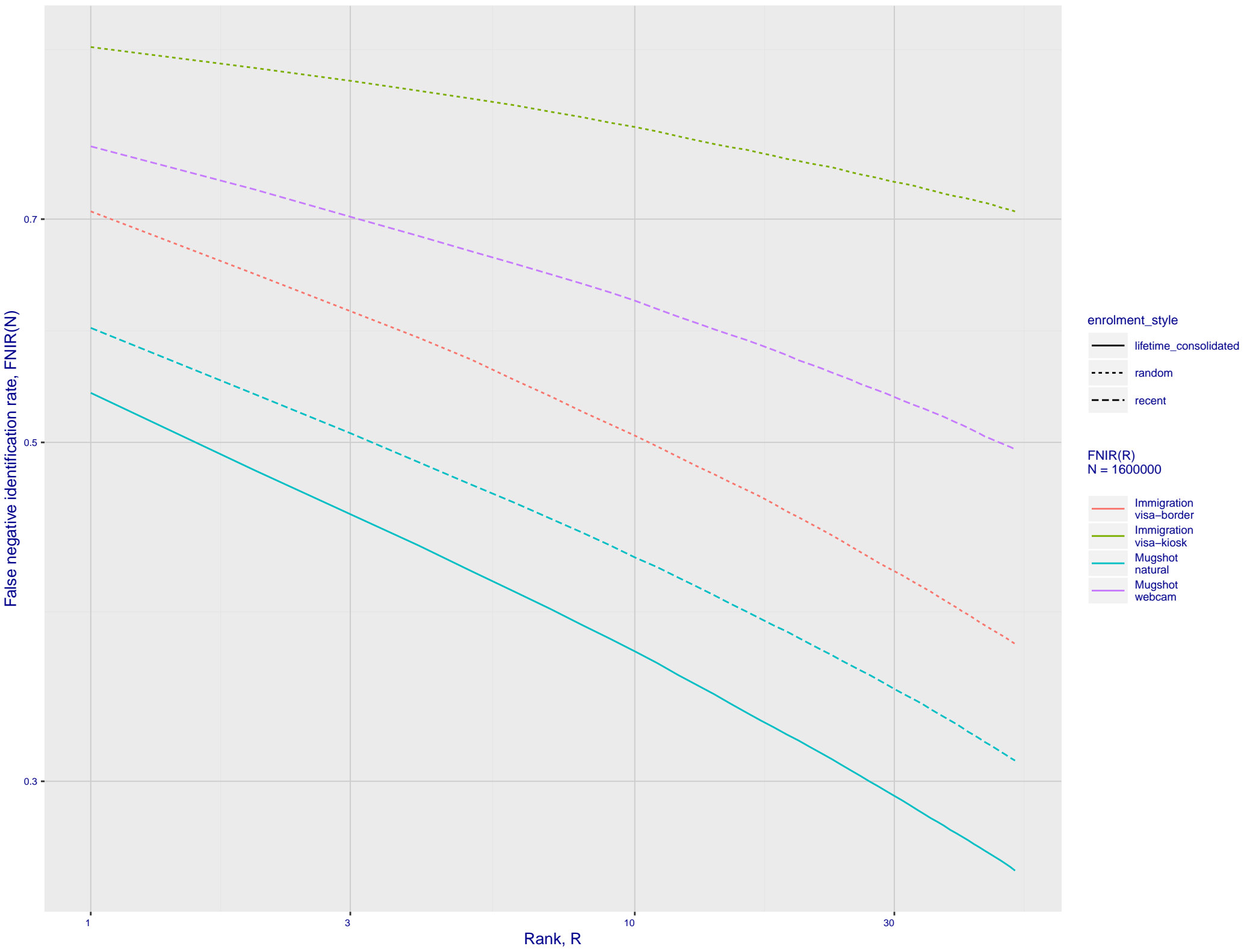natural identification rank 205 −− FNIR(1600000, T, L+1) = 0.9792 vs. lowest 0.0122 from sensetime_003

natural identification rank 90 −− FNIR(1600000, T, L+1) = 0.9825 vs. lowest 0.0059 from sensetime_004

natural identification rank 85 −− FNIR(1600000, T, L+1) = 0.9915 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