

## **Ongoing Face Recognition Vendor Test (FRVT)**

### **Part 2: Identification - Algorithm Report Cards**

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Mei Ngan  
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2020/03/20

**NISTIR 8271**

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2020/03/20

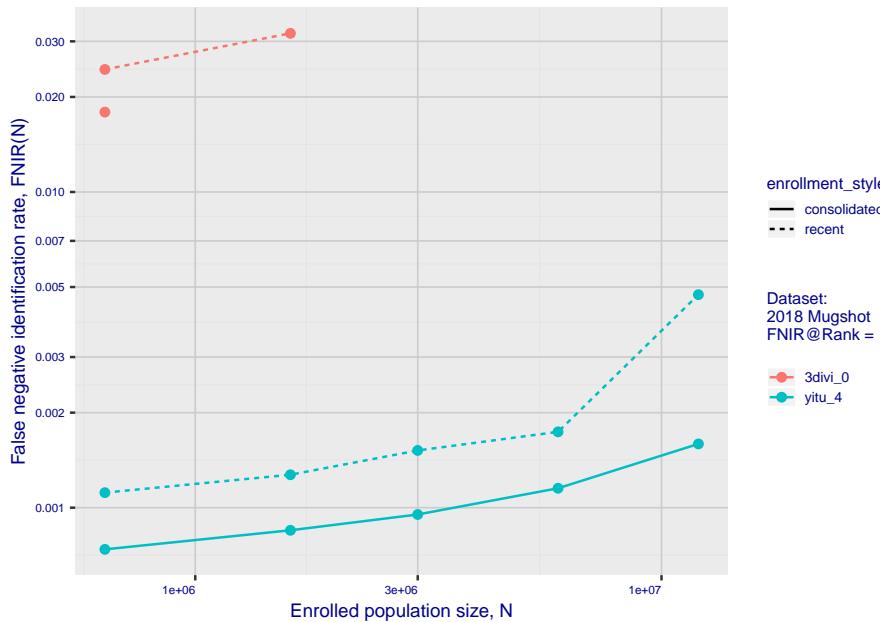


U.S. Department of Commerce  
*Wilbur Ross, Secretary*

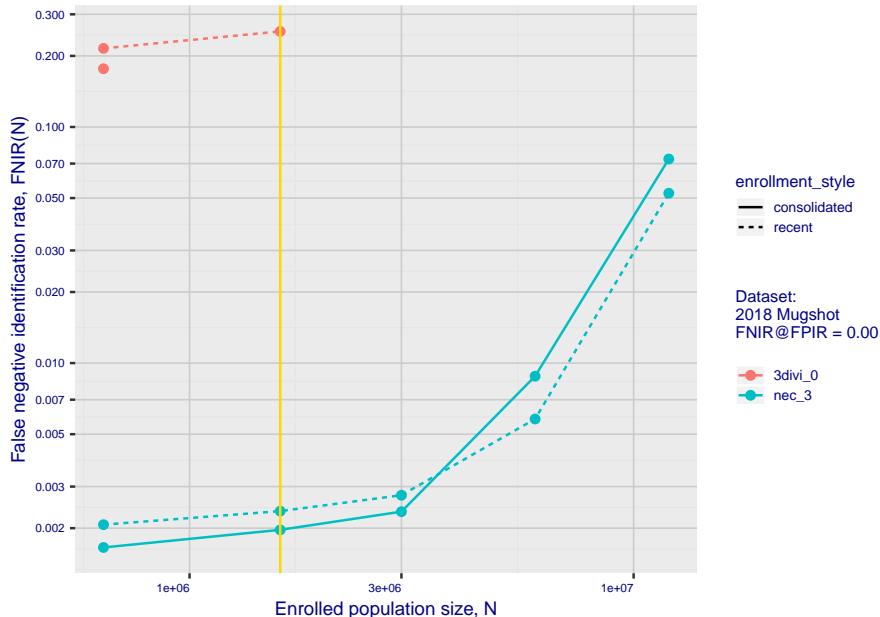
National Institute of Standards and Technology  
*Walter Copan, Director*

# 1. Report for algorithm 3divi\_0 2020-03-20 13:12:33

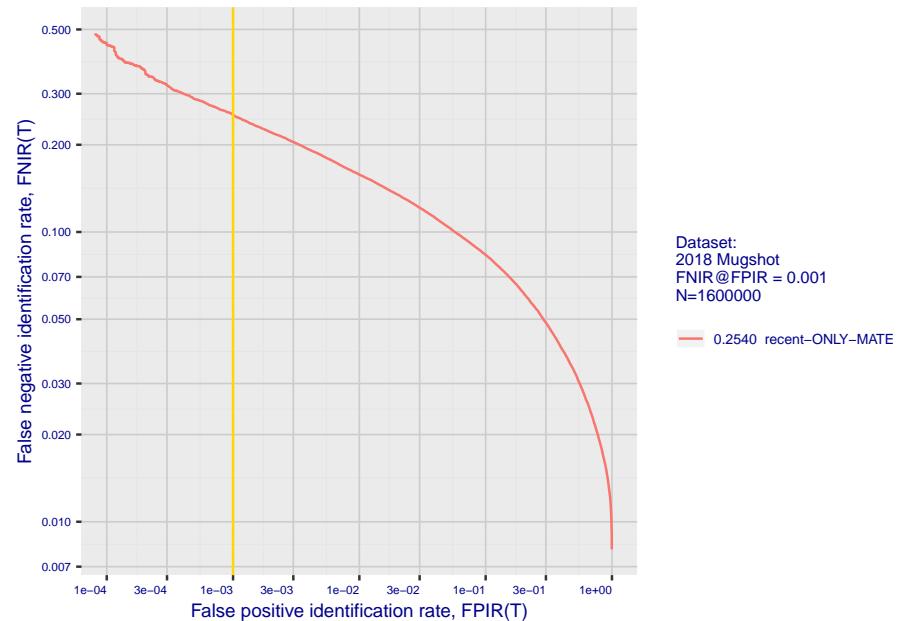
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



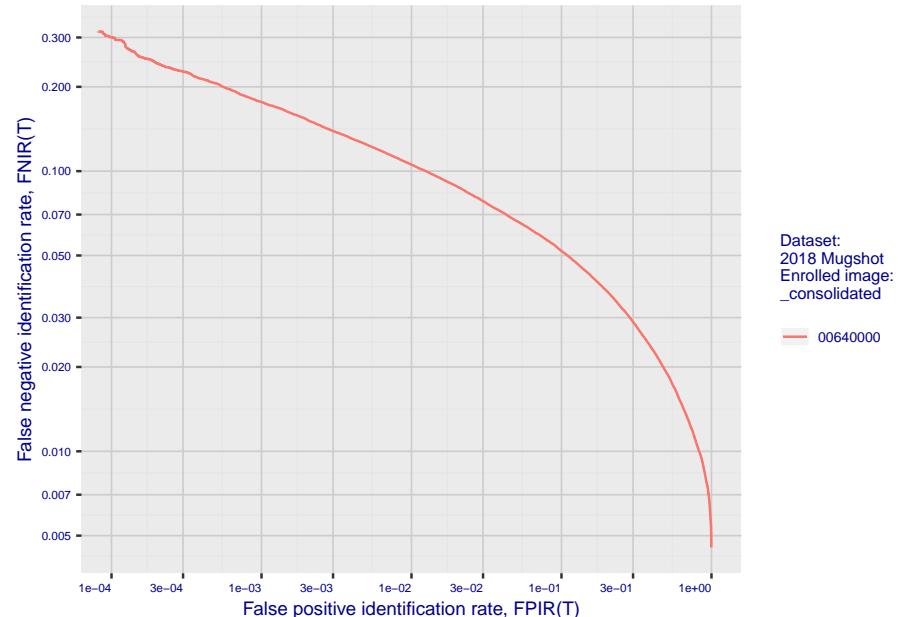
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

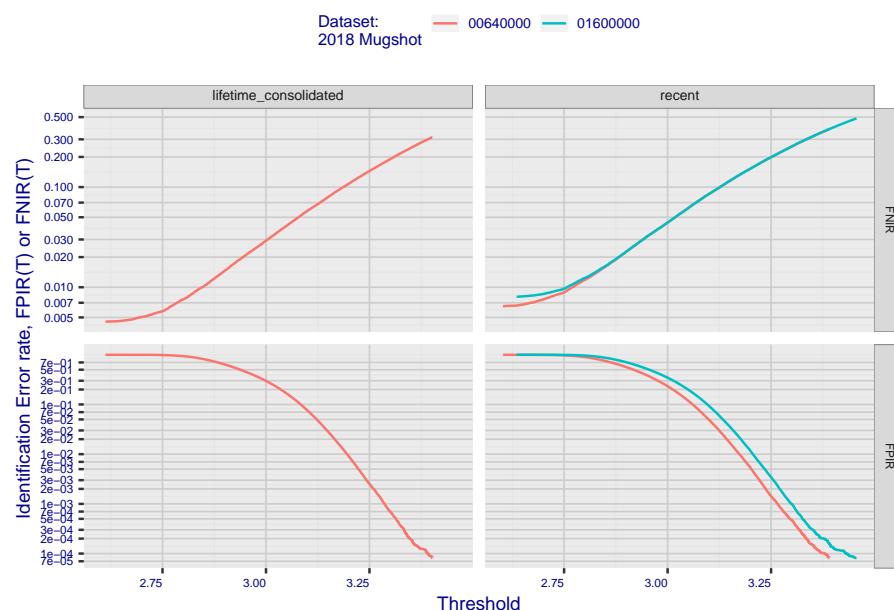


**Fig 4: DET for various N. Links connect points of equal threshold.**

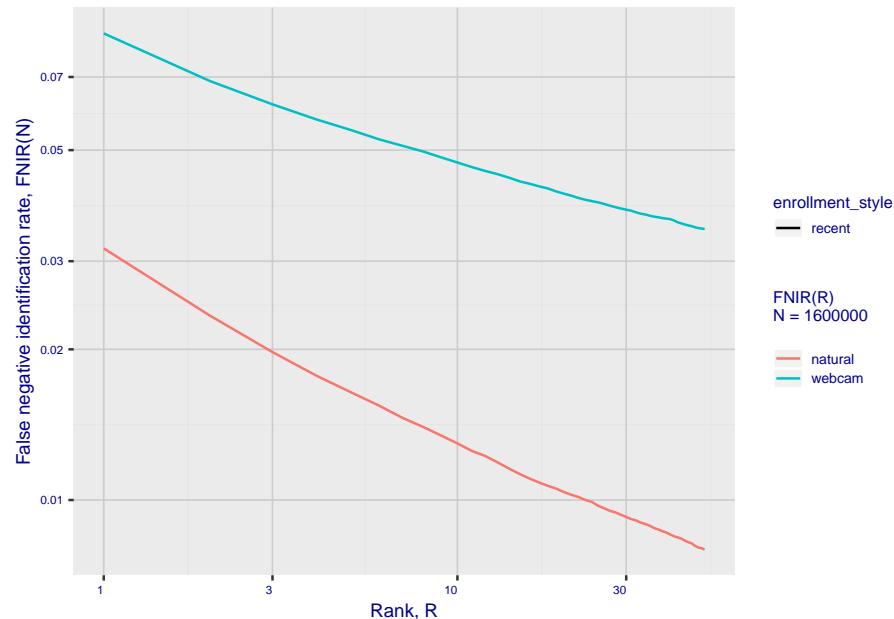


## 2. Report for algorithm 3divi\_0 2020-03-20 13:12:33

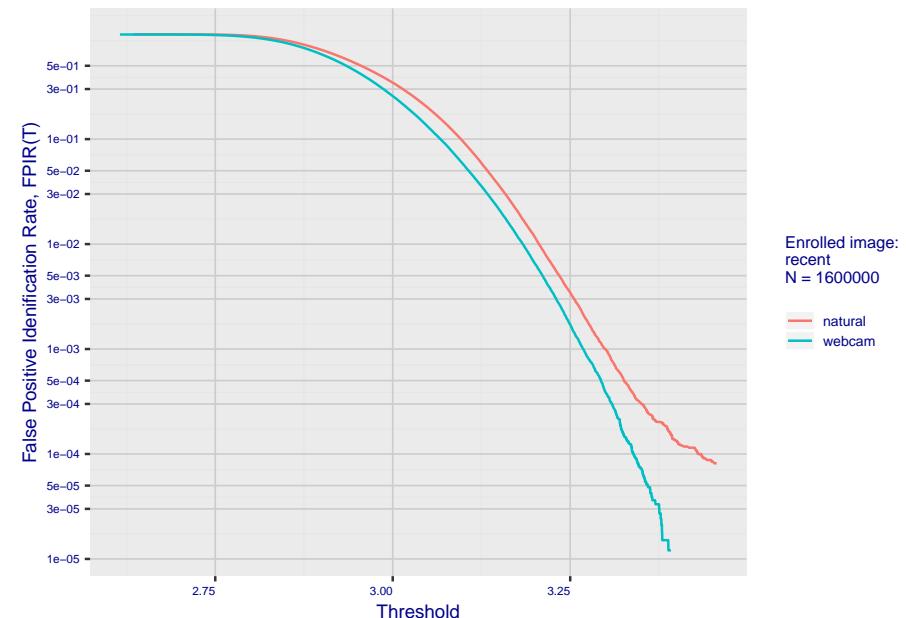
**Fig 5: Dependence on T by number enrolled identities**



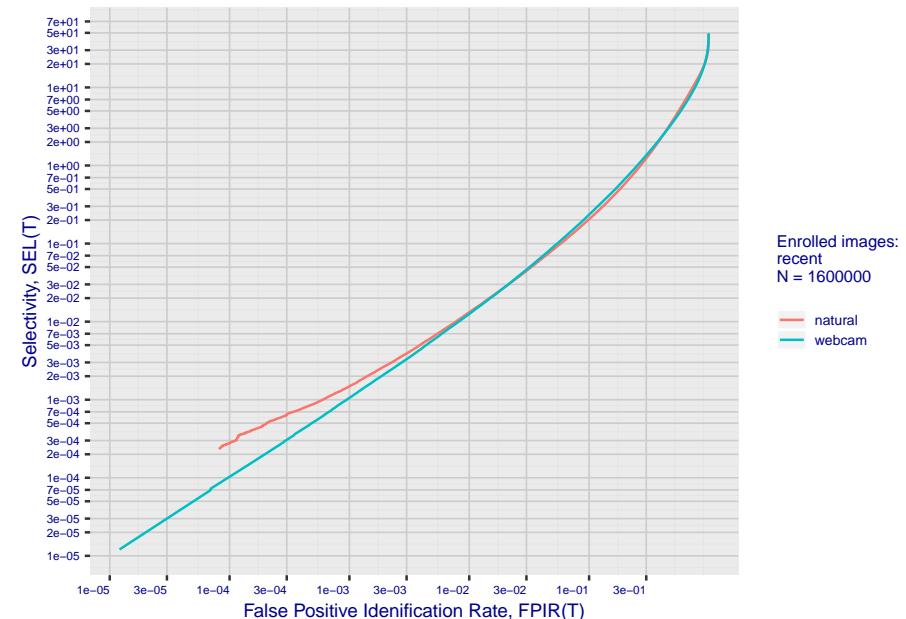
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

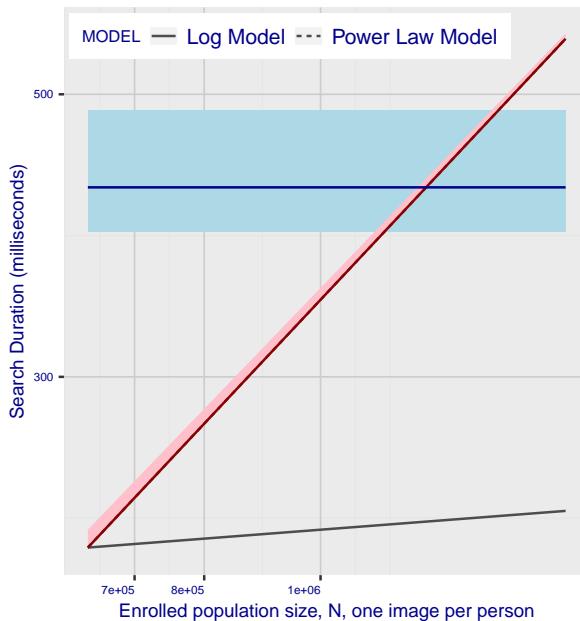


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm 3divi\_0 2020-03-20 13:12:33**

**Fig 10: Template duration; search duration vs. N**

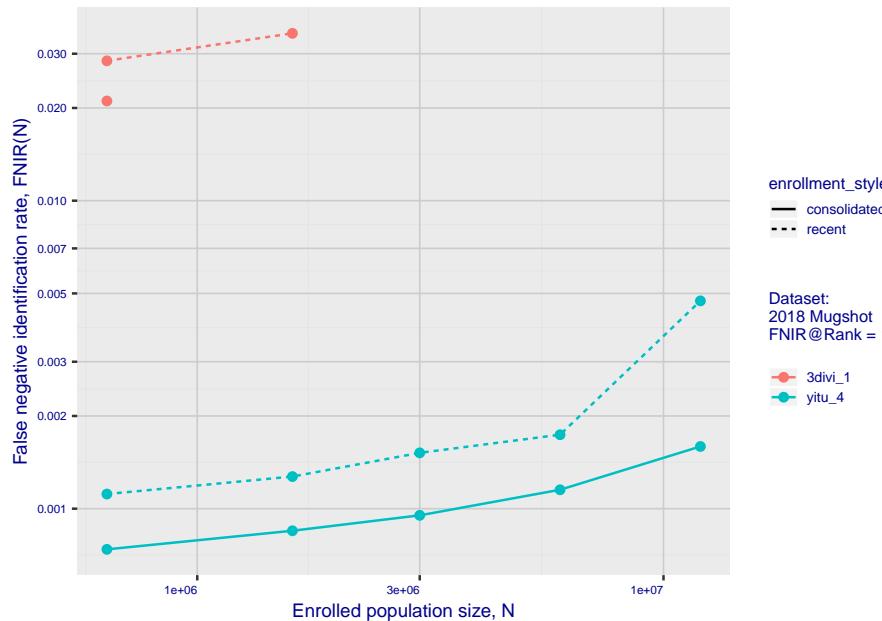


**Fig 11: Datasheet**

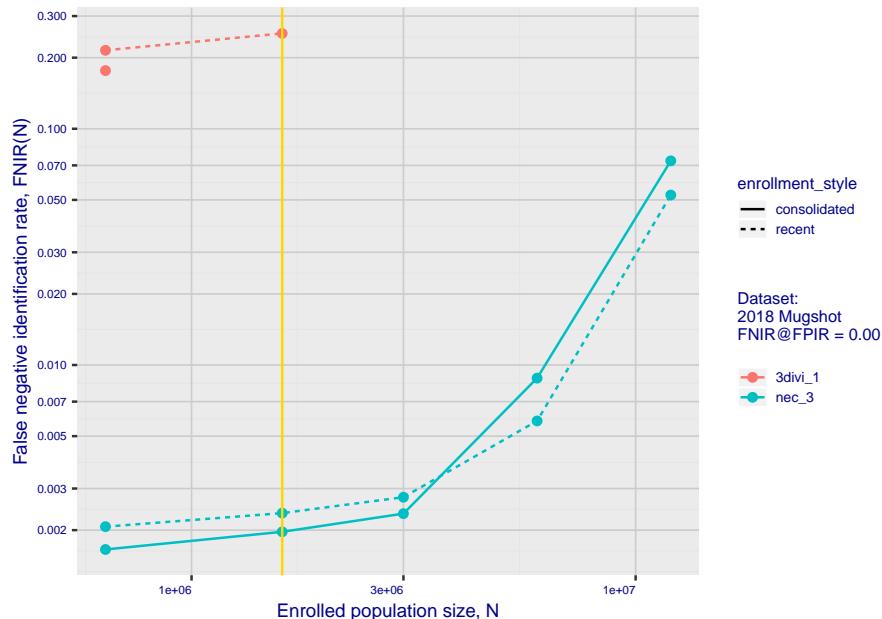
Algorithm: 3divi_0
Developer: 3Divi
Submission Date: 2018_02_09
Template size: 4096 bytes
Template time (2.5 percentile): 390 msec
Template time (median): 423 msec
Template time (97.5 percentile): 486 msec
Investigation rank 153 -- FNIR(1600000, 0, 1) = 0.0318 vs. lowest 0.0010 from sensetime_003
Identification rank 160 -- FNIR(1600000, T, L+1) = 0.2540
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm 3divi\_1 2020-03-20 13:12:32

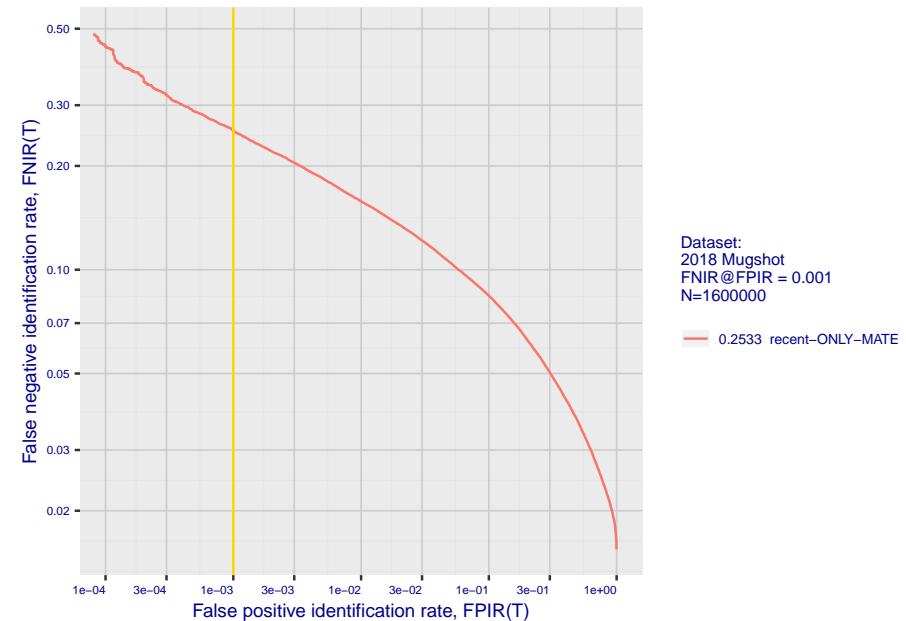
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



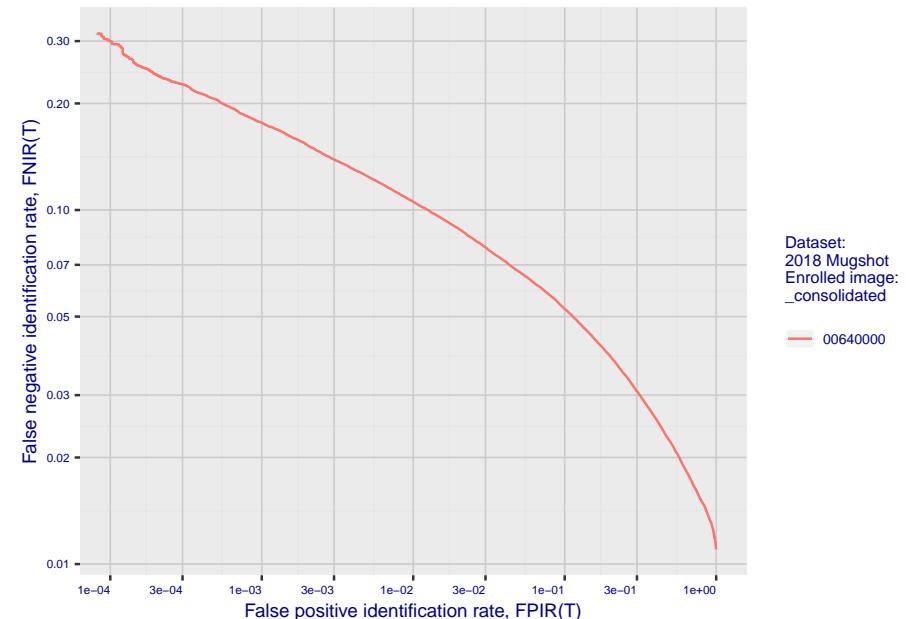
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

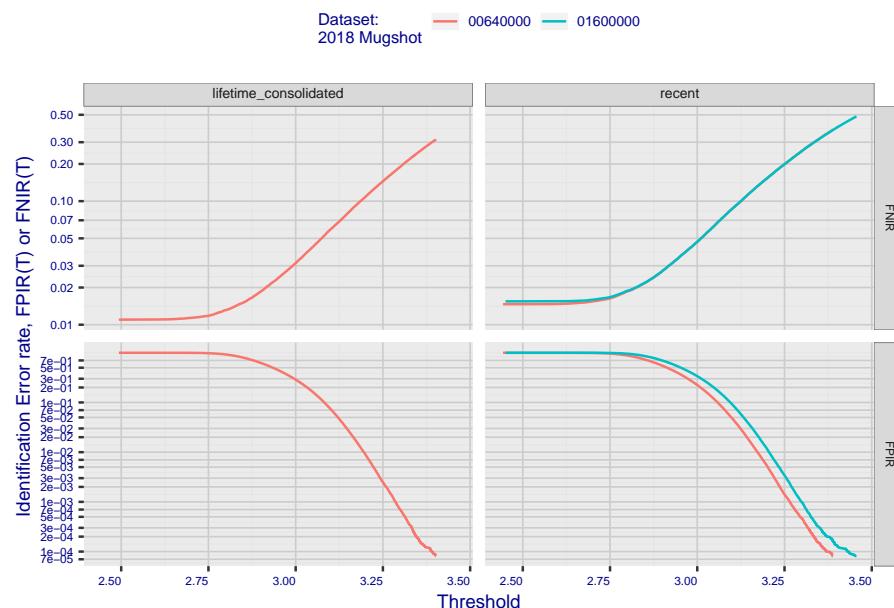


**Fig 4: DET for various N. Links connect points of equal threshold.**

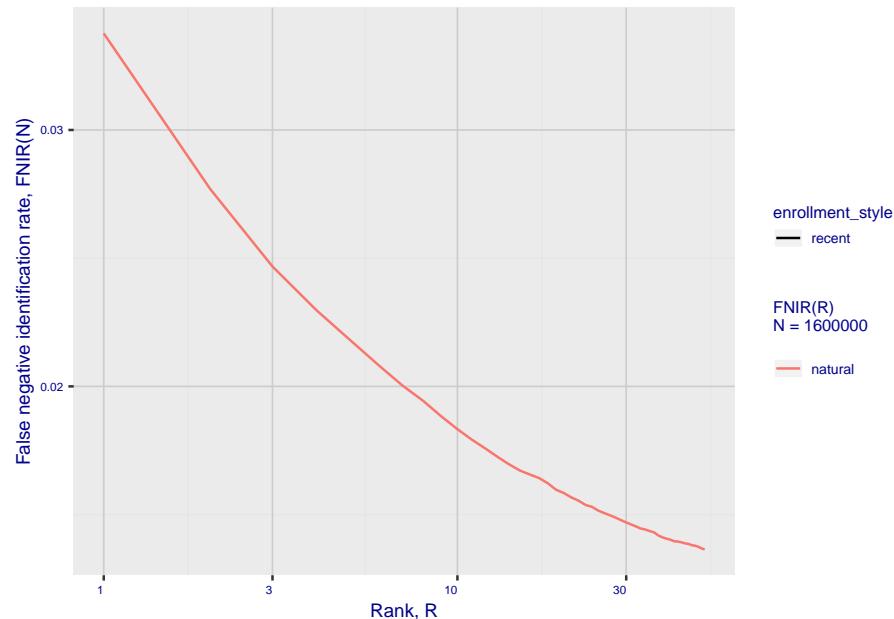


## 2. Report for algorithm 3divi\_1 2020-03-20 13:12:32

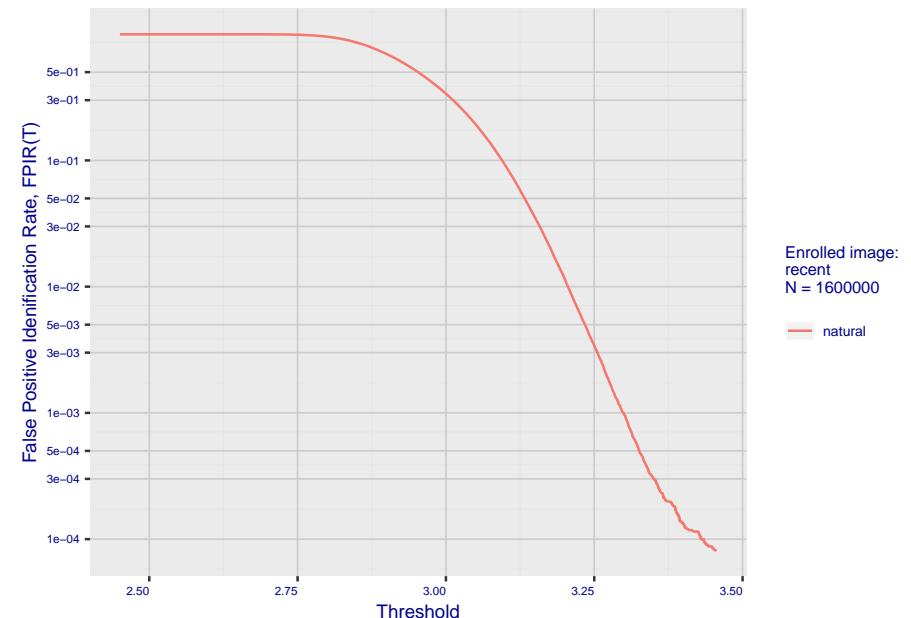
**Fig 5: Dependence on T by number enrolled identities**



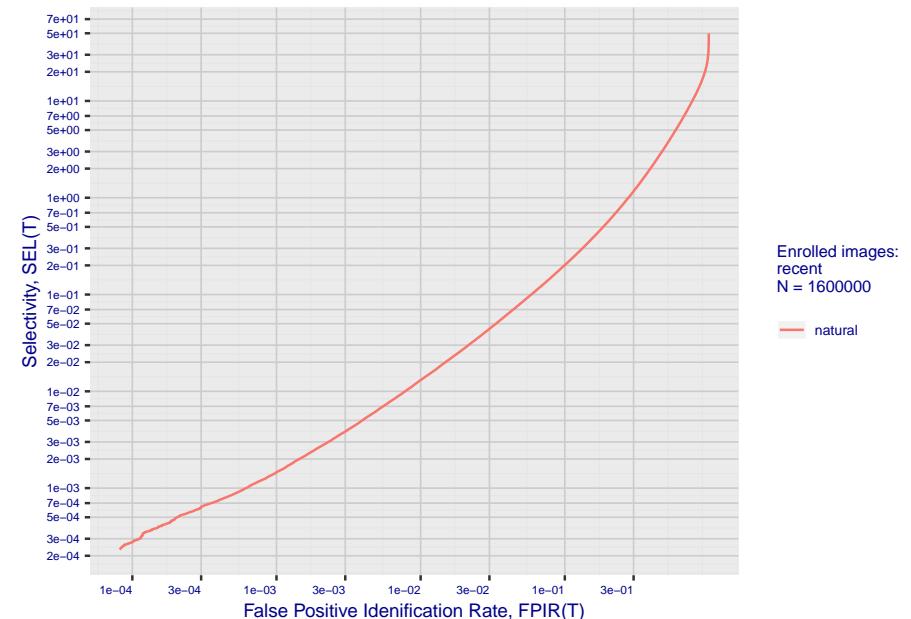
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

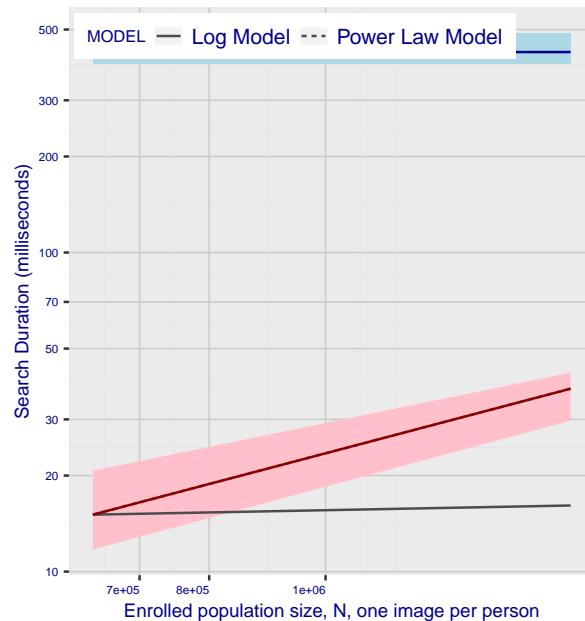


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm 3divi\_1 2020-03-20 13:12:32**

**Fig 10: Template duration; search duration vs. N**

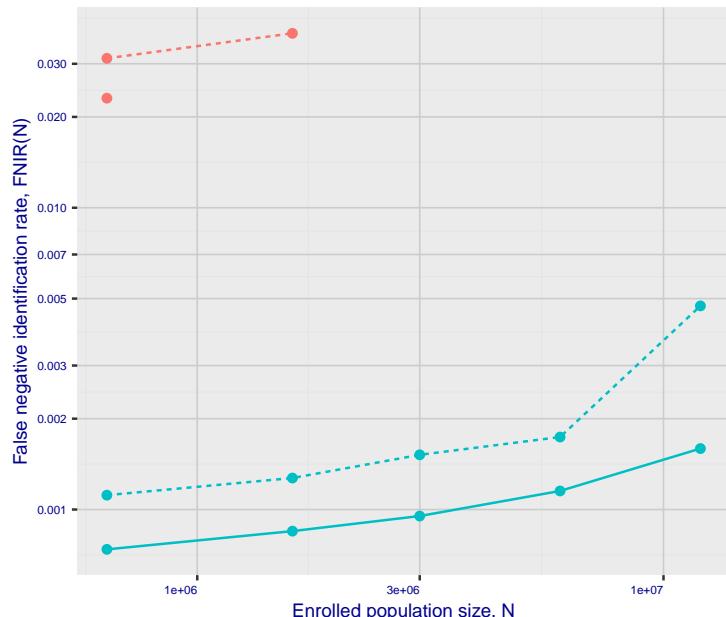


**Fig 11: Datasheet**

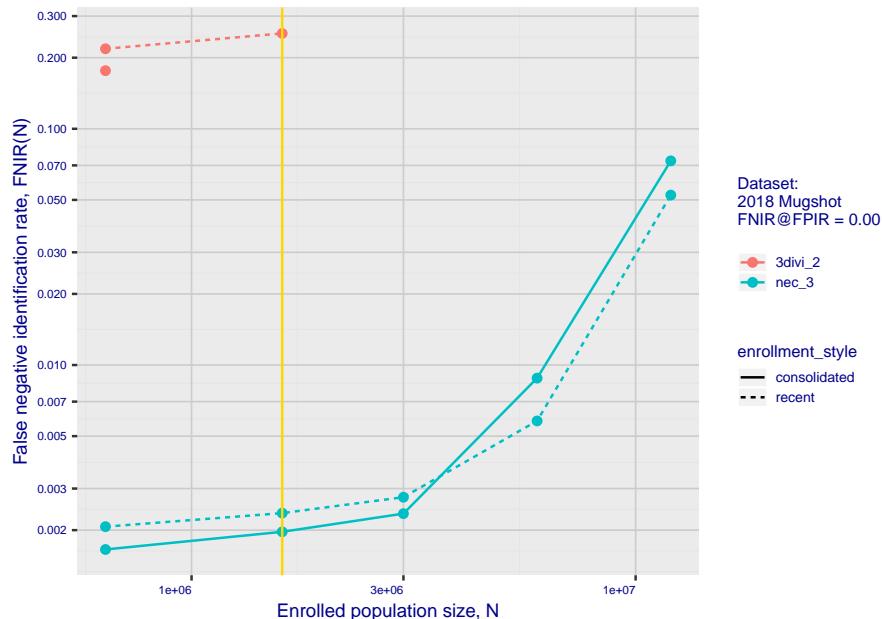
Algorithm: 3divi_1
Developer: 3Divi
Submission Date: 2018_02_15
Template size: 4224 bytes
Template time (2.5 percentile): 392 msec
Template time (median): 425 msec
Template time (97.5 percentile): 486 msec
Investigation rank 154 -- FNIR(160000, 0, 1) = 0.0349 vs. lowest 0.0010 from sensetime_003
Identification rank 158 -- FNIR(160000, T, L+1) = 0.2533
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm 3divi\_2 2020-03-20 13:12:32

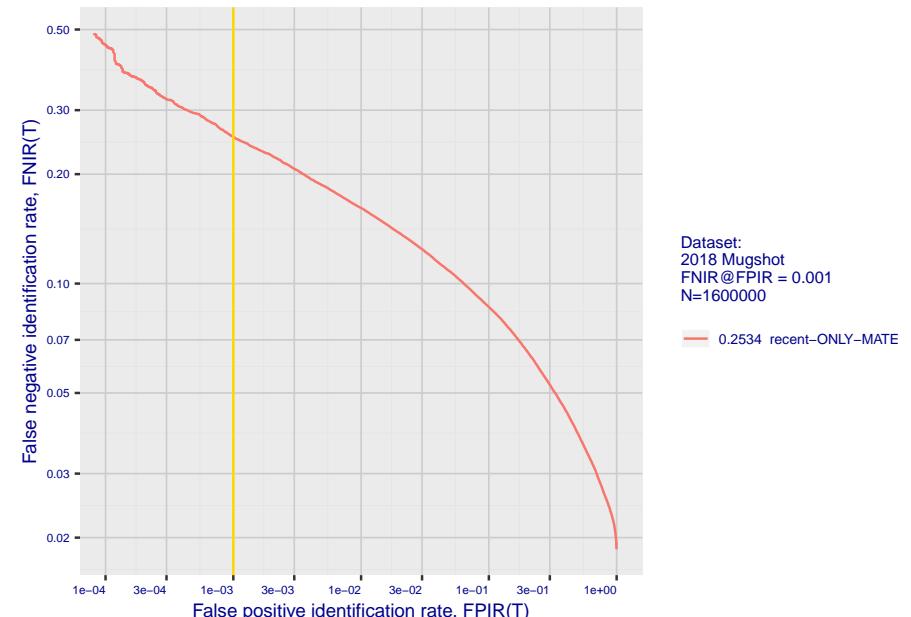
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



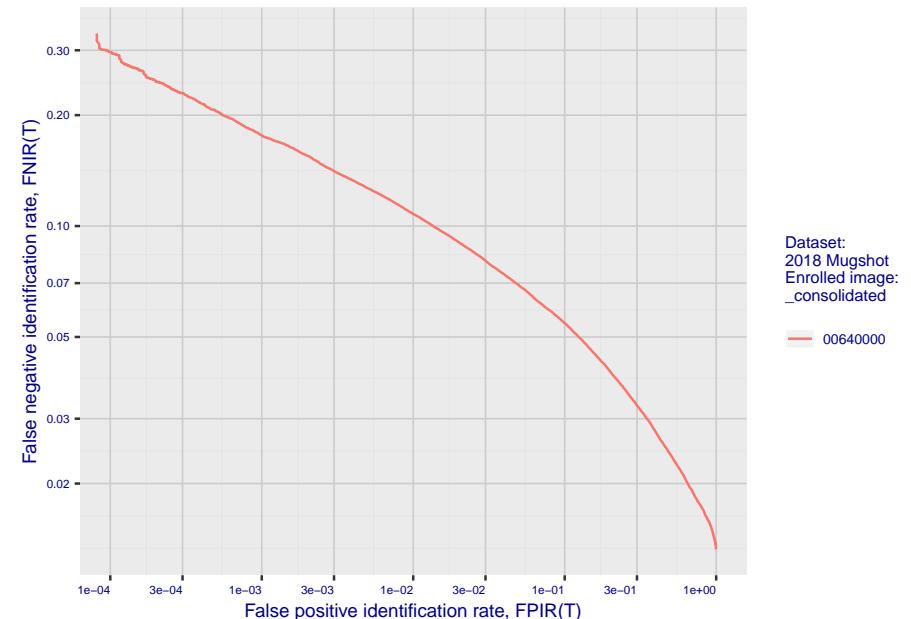
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

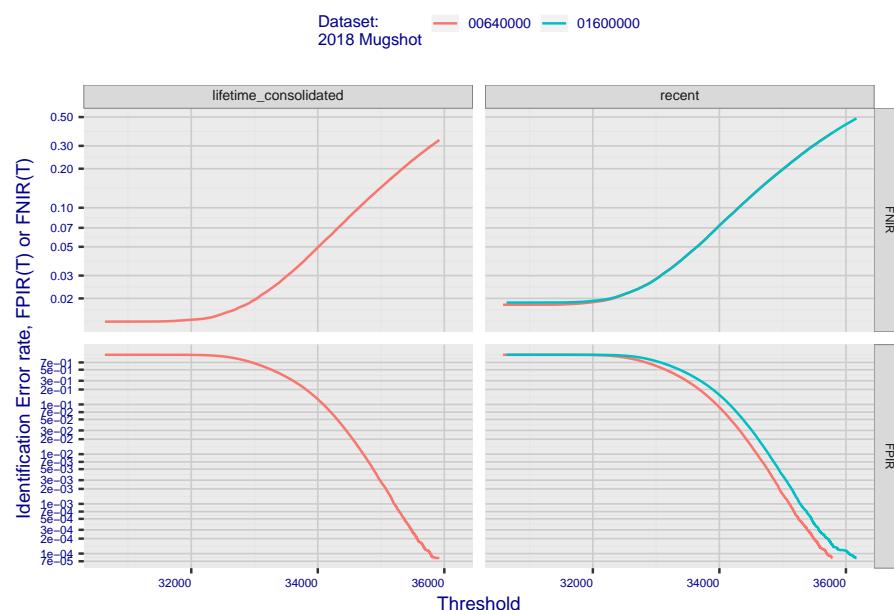


**Fig 4: DET for various N. Links connect points of equal threshold.**

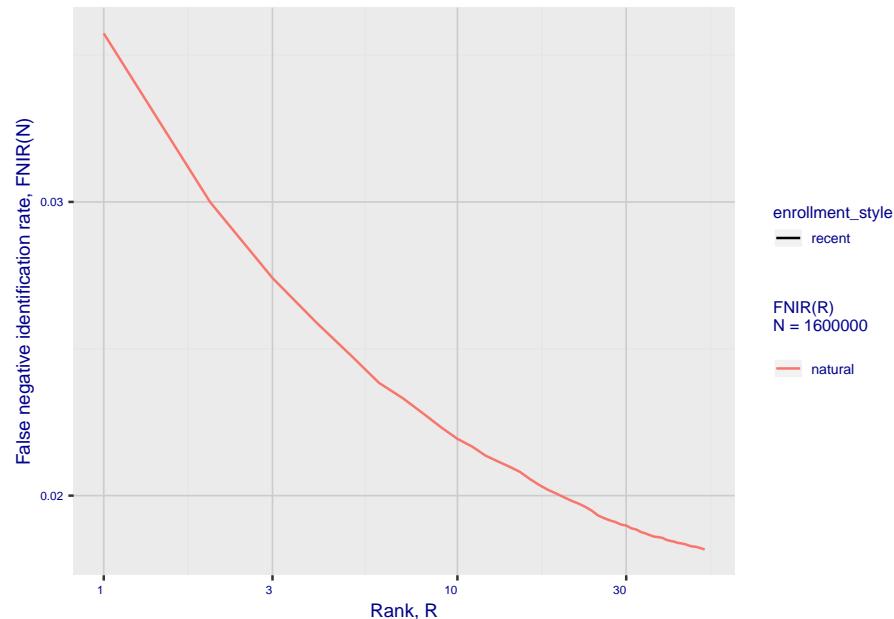


## 2. Report for algorithm 3divi\_2 2020-03-20 13:12:32

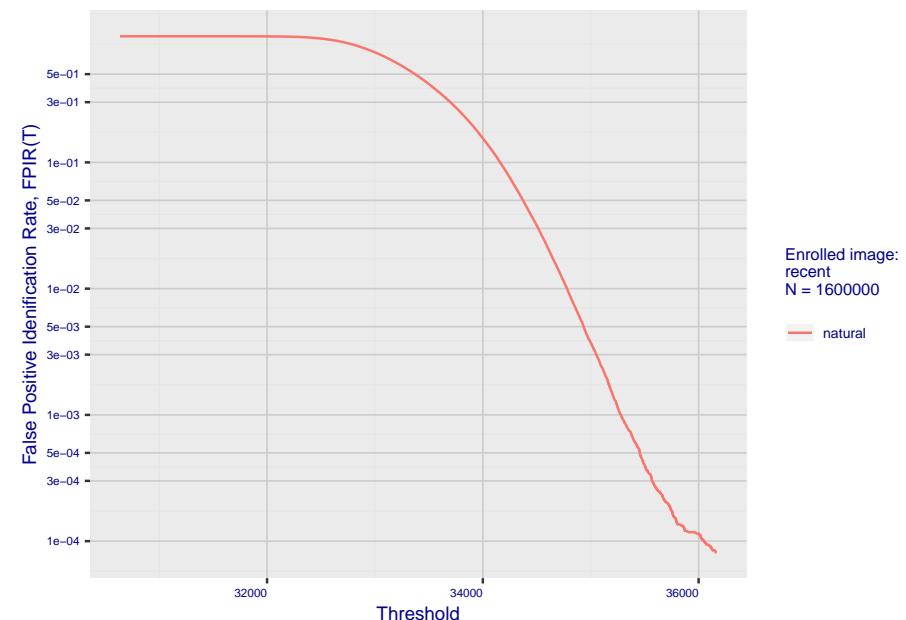
**Fig 5: Dependence on T by number enrolled identities**



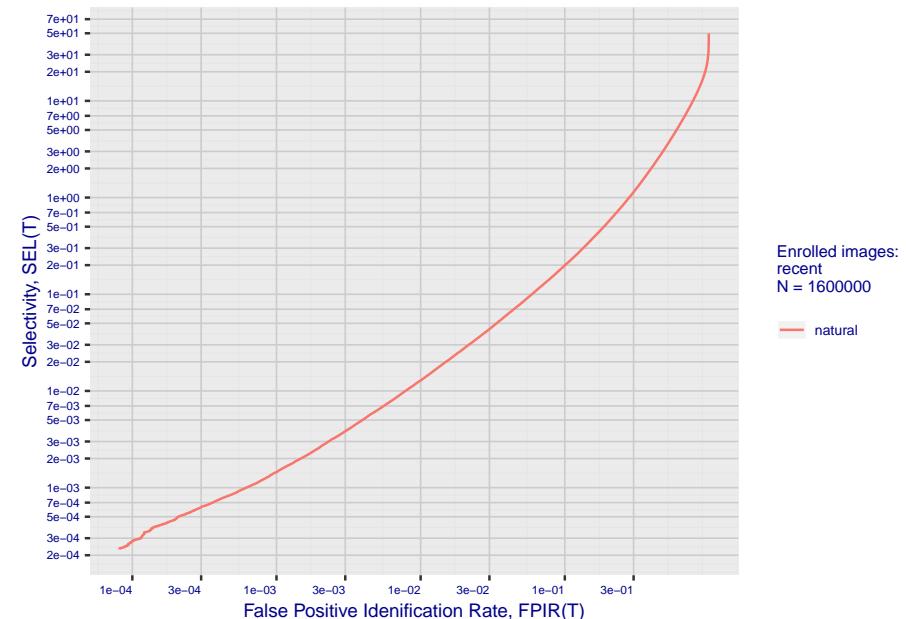
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm 3divi\_2 2020-03-20 13:12:32

Fig 10: Template duration; search duration vs. N

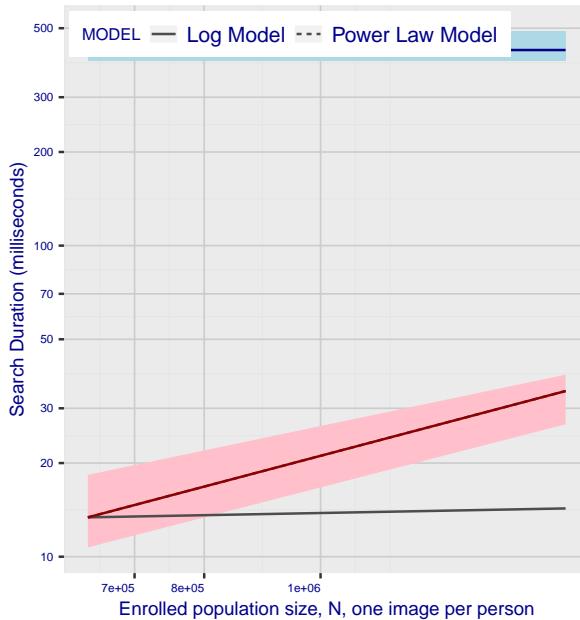
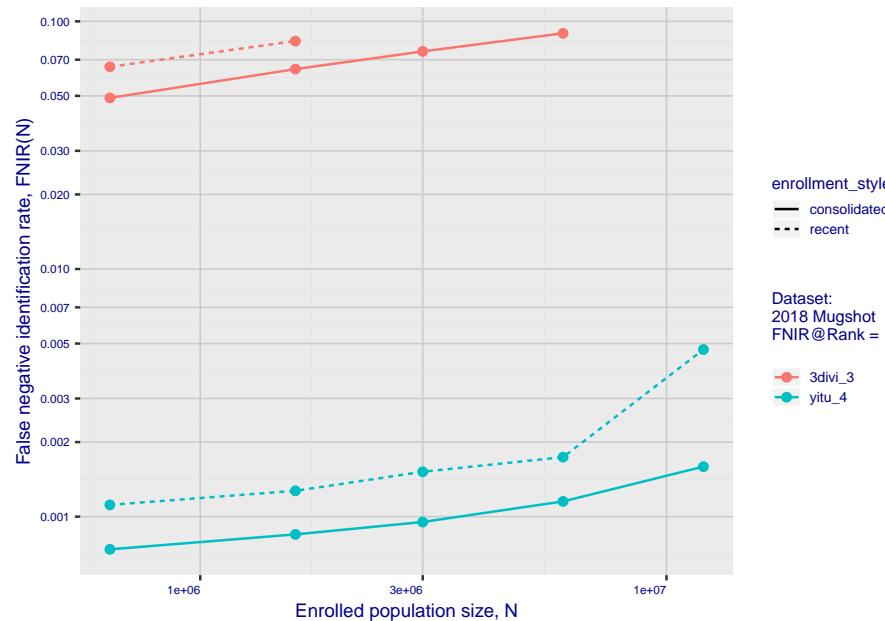


Fig 11: Datasheet

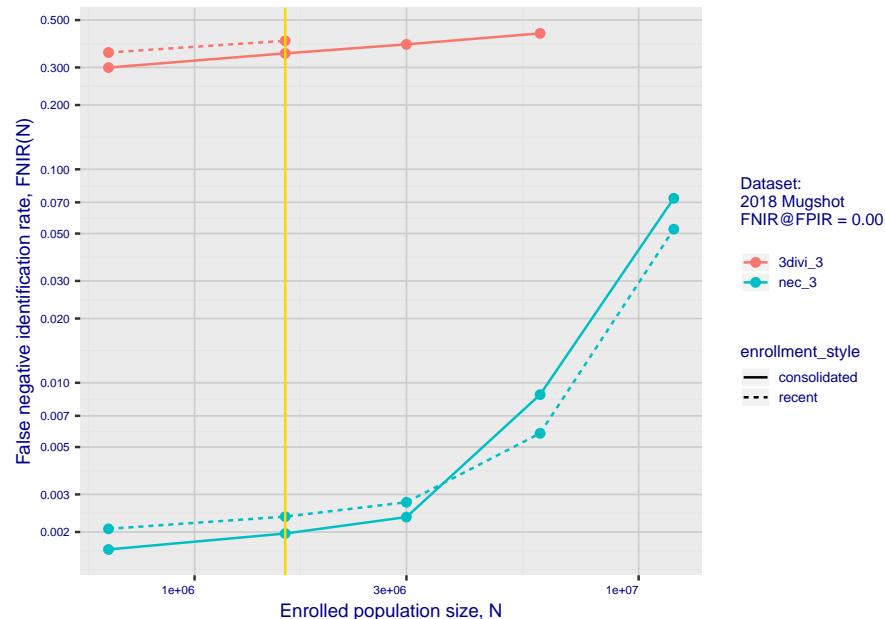
Algorithm: 3divi_2
Developer: 3Divi
Submission Date: 2018_02_15
Template size: 528 bytes
Template time (2.5 percentile): 391 msec
Template time (median): 425 msec
Template time (97.5 percentile): 489 msec
Investigation rank 159 -- FNIR(160000, 0, 1) = 0.0379 vs. lowest 0.0010 from sensetime_003
Identification rank 159 -- FNIR(160000, T, L+1) = 0.2534
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm 3divi\_3 2020-03-20 13:12:32

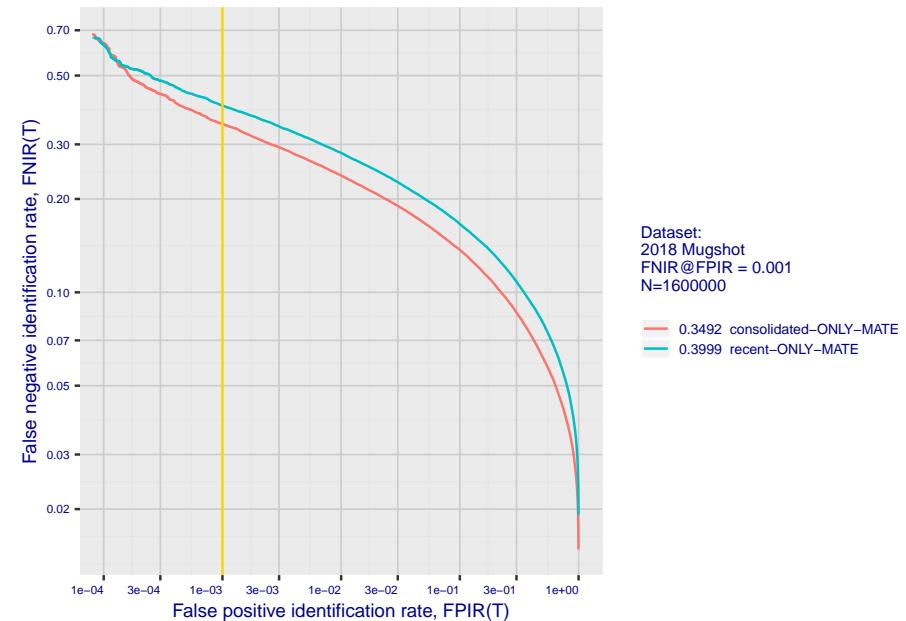
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



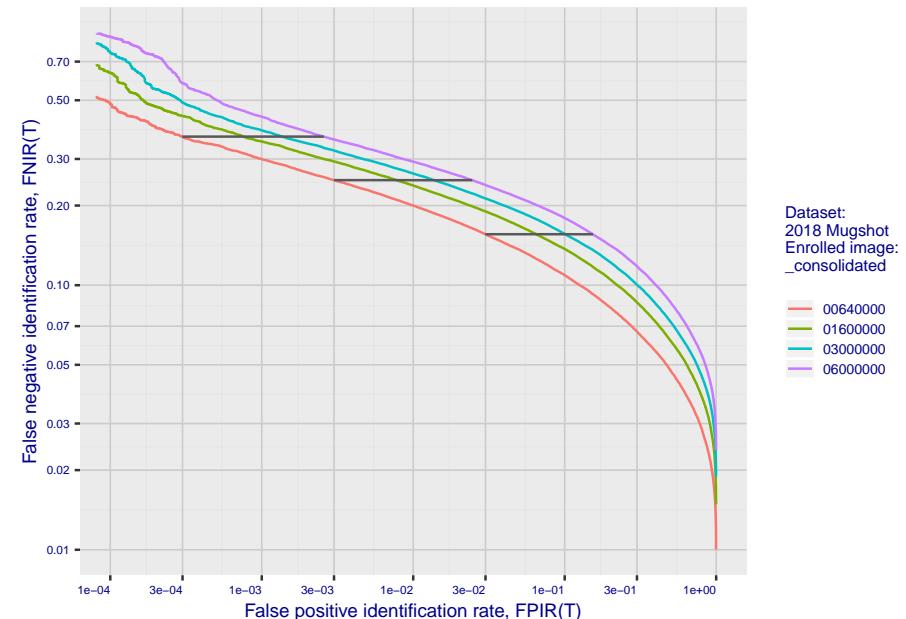
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

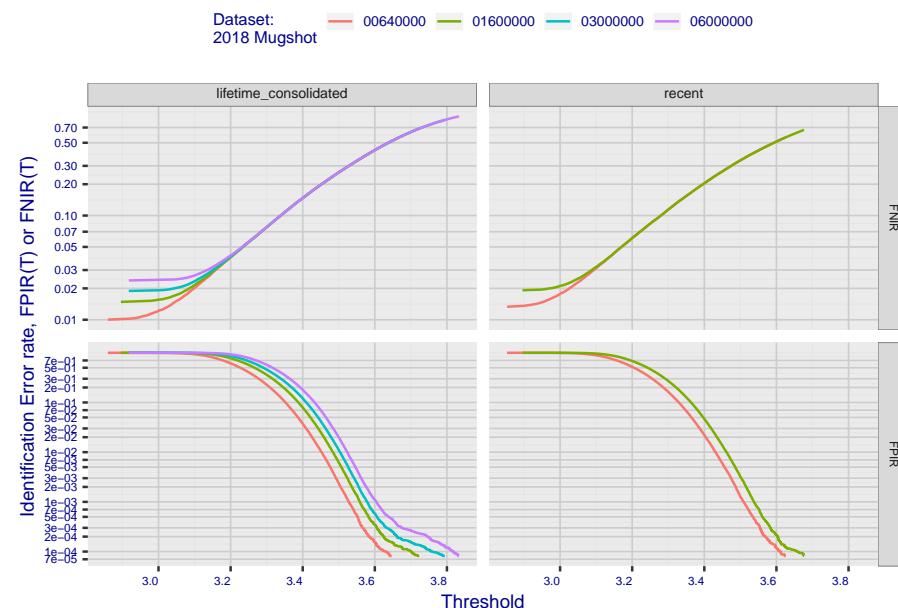


**Fig 4: DET for various N. Links connect points of equal threshold.**

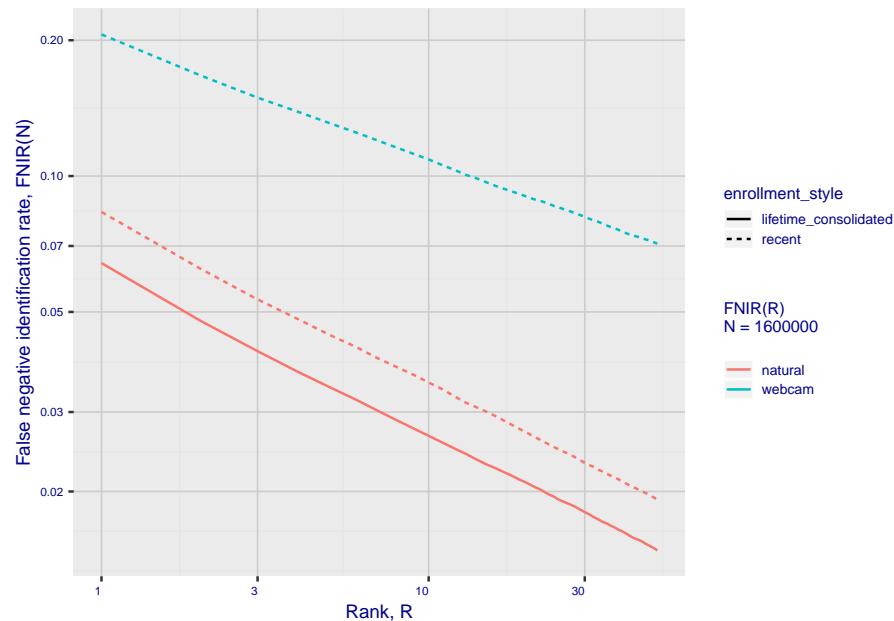


## 2. Report for algorithm 3divi\_3 2020-03-20 13:12:32

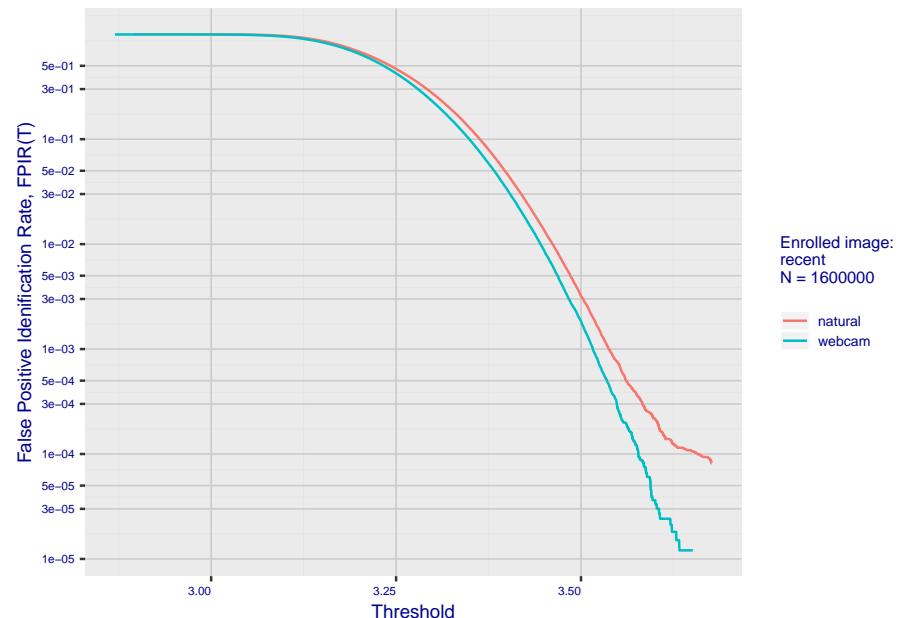
**Fig 5: Dependence on T by number enrolled identities**



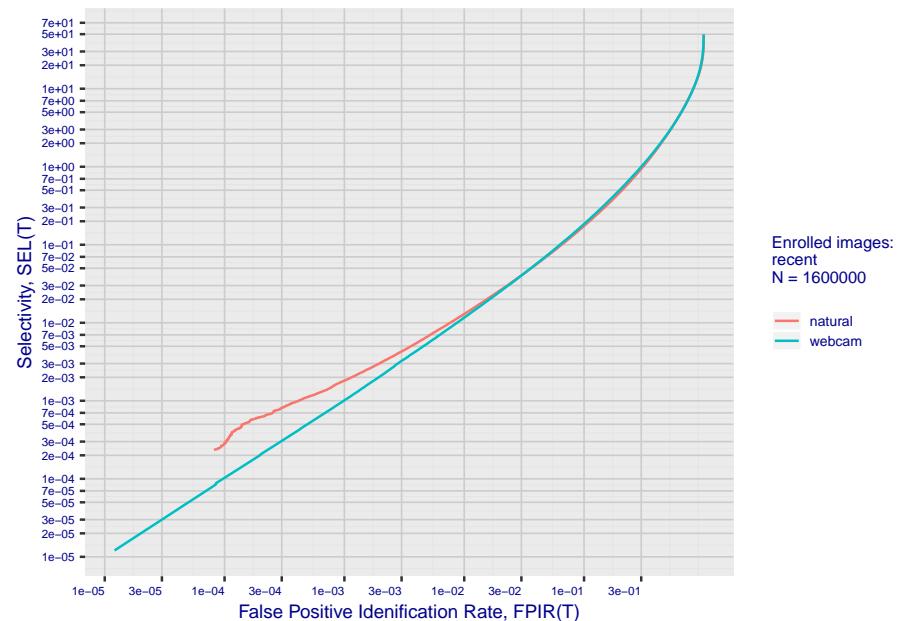
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

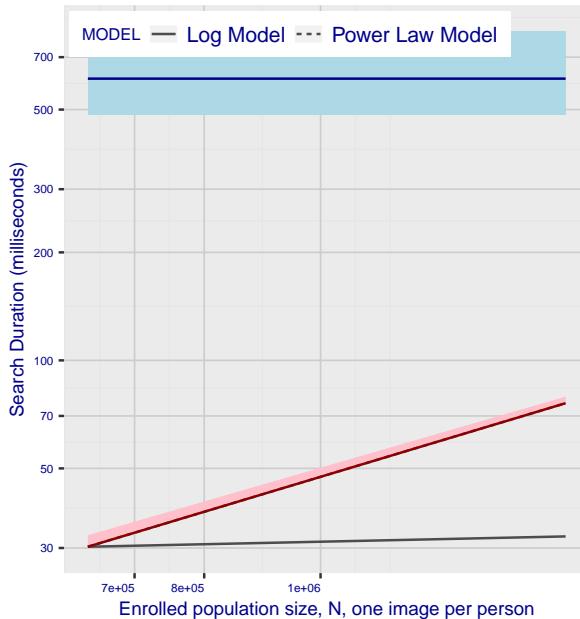


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm 3divi\_3 2020-03-20 13:12:32**

**Fig 10: Template duration; search duration vs. N**

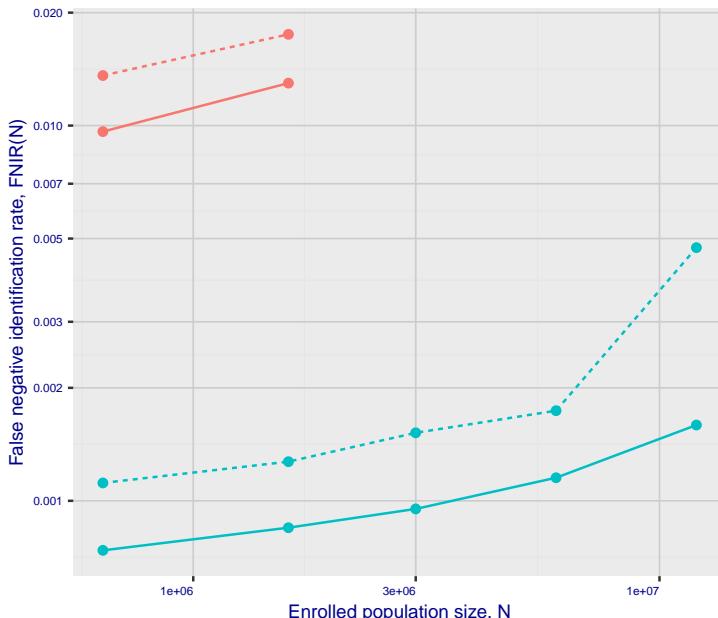


**Fig 11: Datasheet**

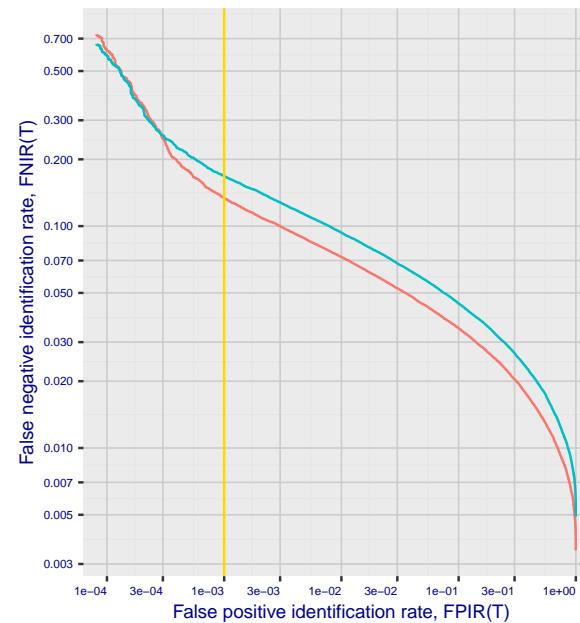
Algorithm: 3divi_3
Developer: 3Divi
Submission Date: 2018_06_19
Template size: 512 bytes
Template time (2.5 percentile): 485 msec
Template time (median): 610 msec
Template time (97.5 percentile): 826 msec
Investigation rank 187 -- FNIR(1600000, 0, 1) = 0.0833 vs. lowest 0.0010 from sensetime_003
Identification rank 181 -- FNIR(1600000, T, L+1) = 0.3999
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm 3divi\_4 2020-03-20 13:12:33

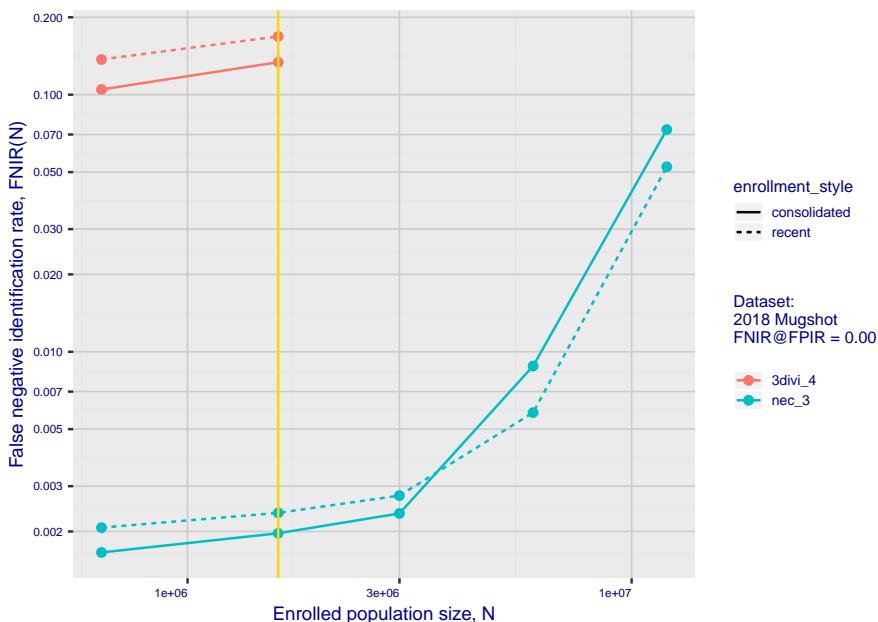
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



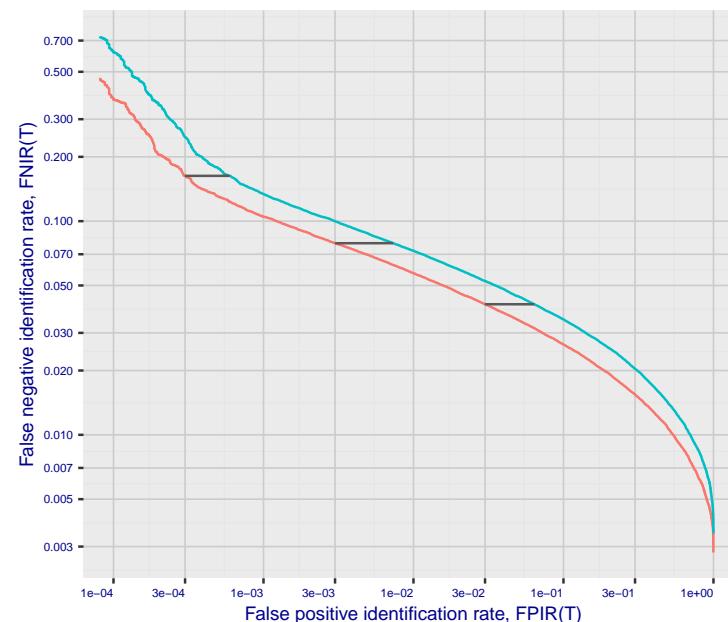
**Fig 2: DETs by enrollment type**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 4: DET for various N. Links connect points of equal threshold.**



Dataset:  
2018 Mugshot  
FNIR@FPIR = 0.001  
N=1600000

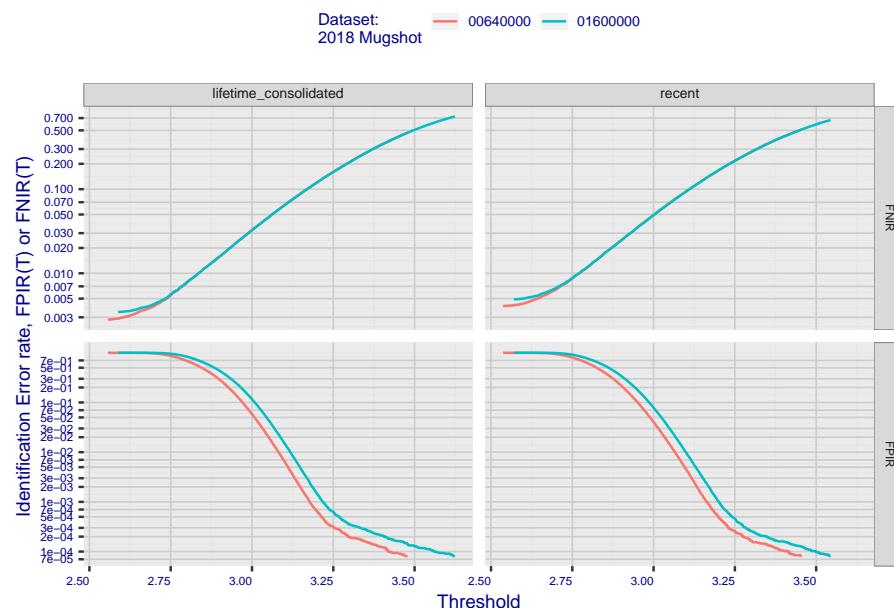
Dataset:  
2018 Mugshot  
Enrolled image:  
\_consolidated

00640000

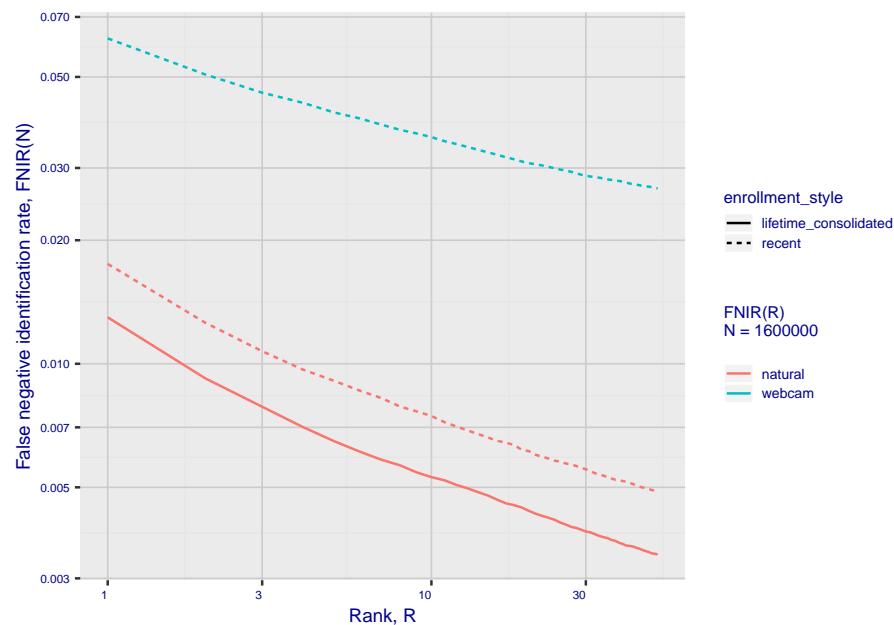
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## 2. Report for algorithm 3divi\_4 2020-03-20 13:12:33

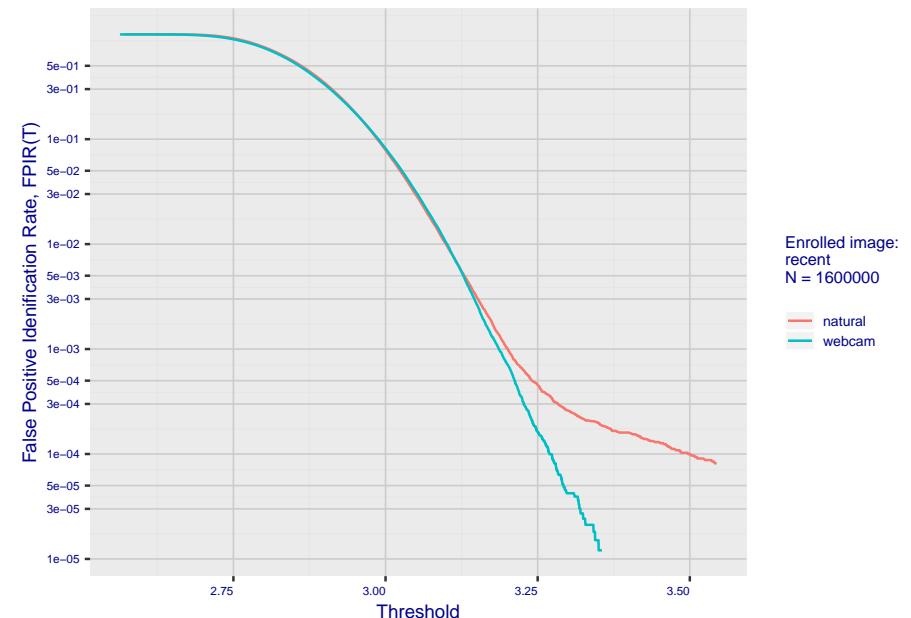
**Fig 5: Dependence on T by number enrolled identities**



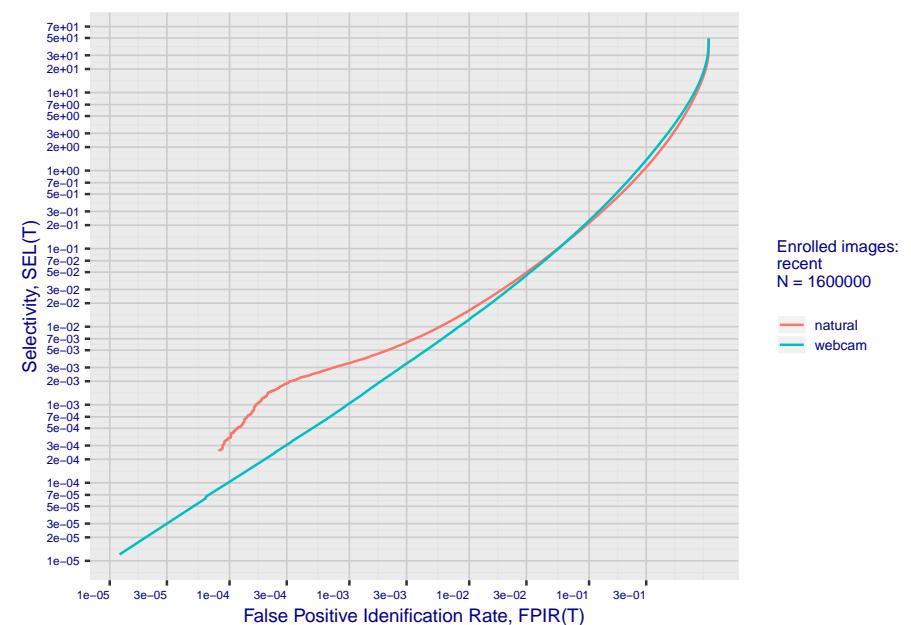
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

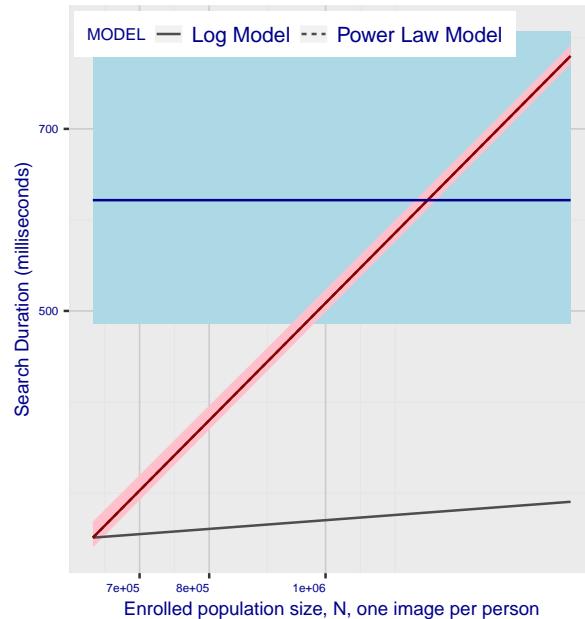


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm 3divi\_4 2020-03-20 13:12:33**

**Fig 10: Template duration; search duration vs. N**

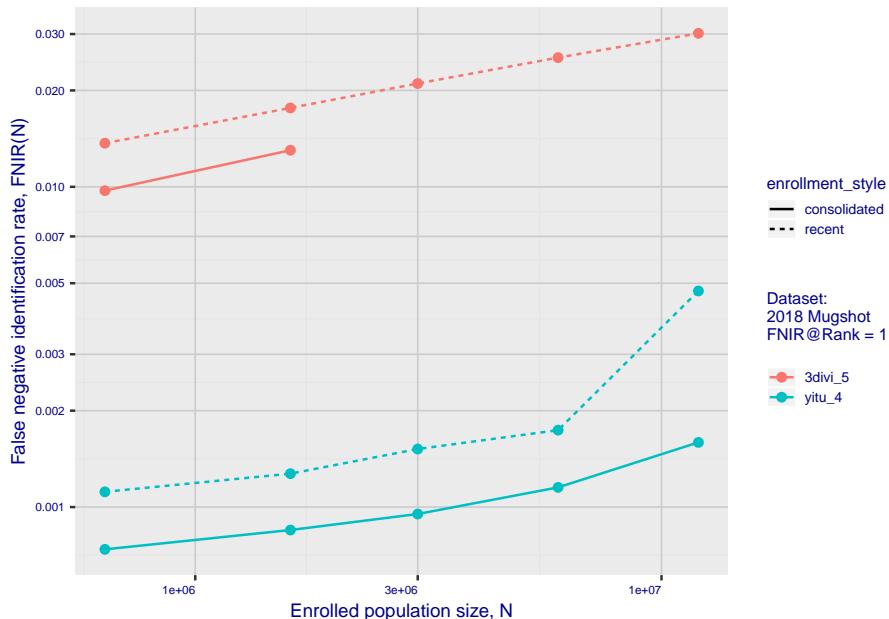


**Fig 11: Datasheet**

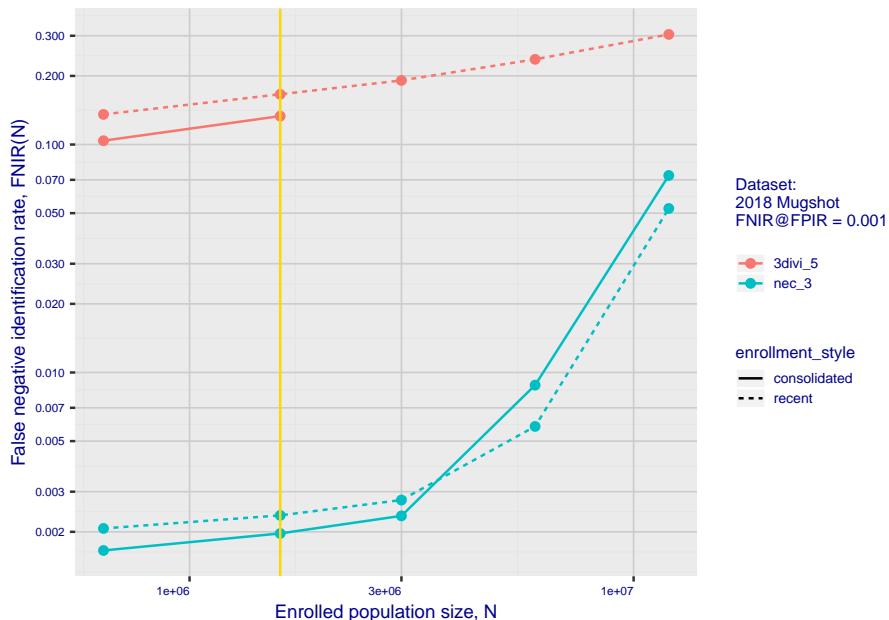
Algorithm: 3divi_4
Developer: 3Divi
Submission Date: 2018_06_19
Template size: 4096 bytes
Template time (2.5 percentile): 488 msec
Template time (median): 614 msec
Template time (97.5 percentile): 838 msec
Investigation rank 128 -- FNIR(1600000, 0, 1) = 0.0175 vs. lowest 0.0010 from sensetime_003
Identification rank 139 -- FNIR(1600000, T, L+1) = 0.1686
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm 3divi\_5 2020-03-20 13:14:35

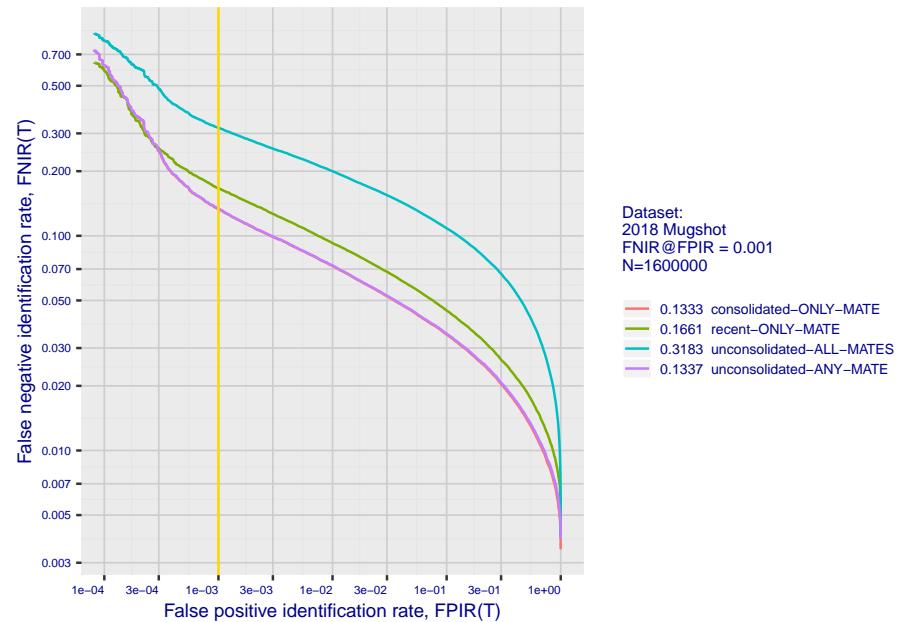
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



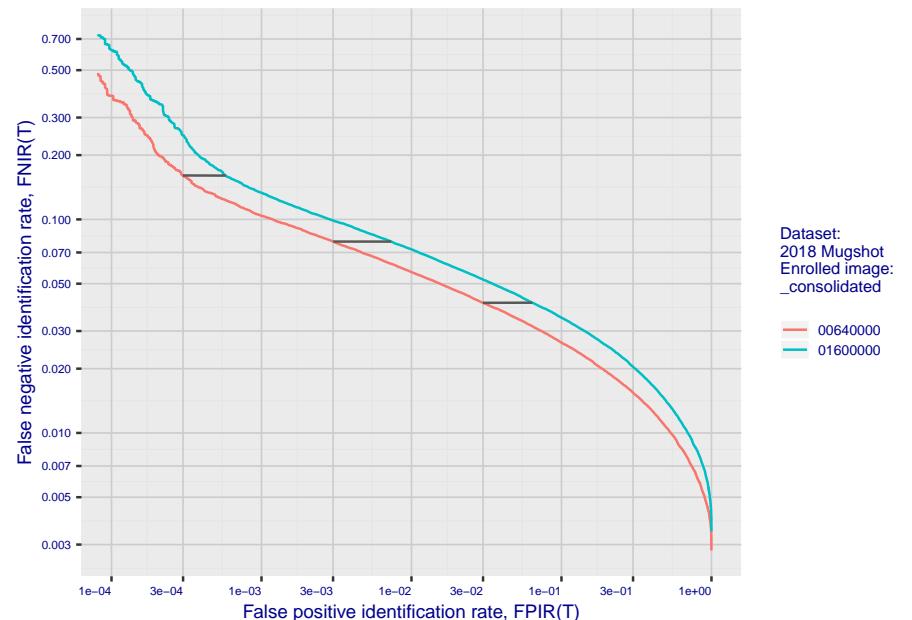
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

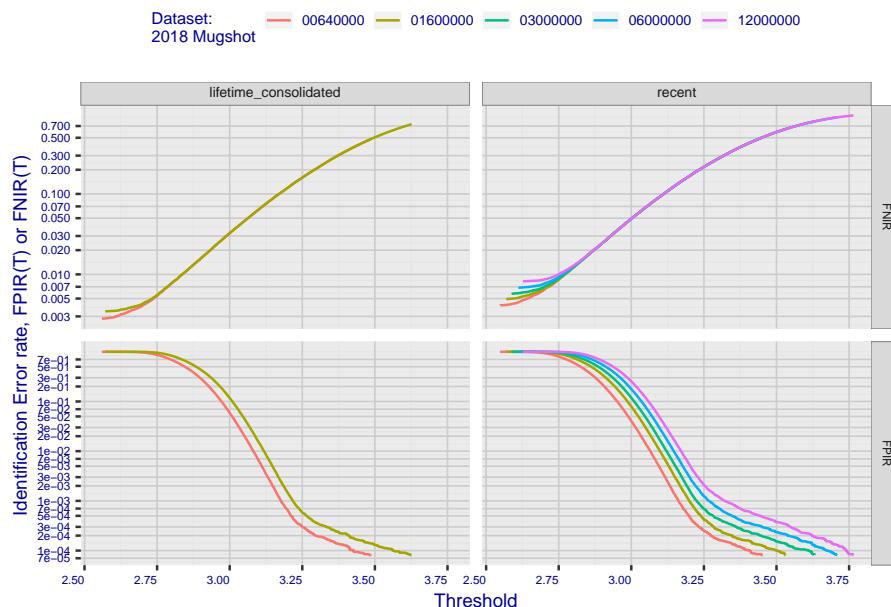


**Fig 4: DET for various N. Links connect points of equal threshold.**

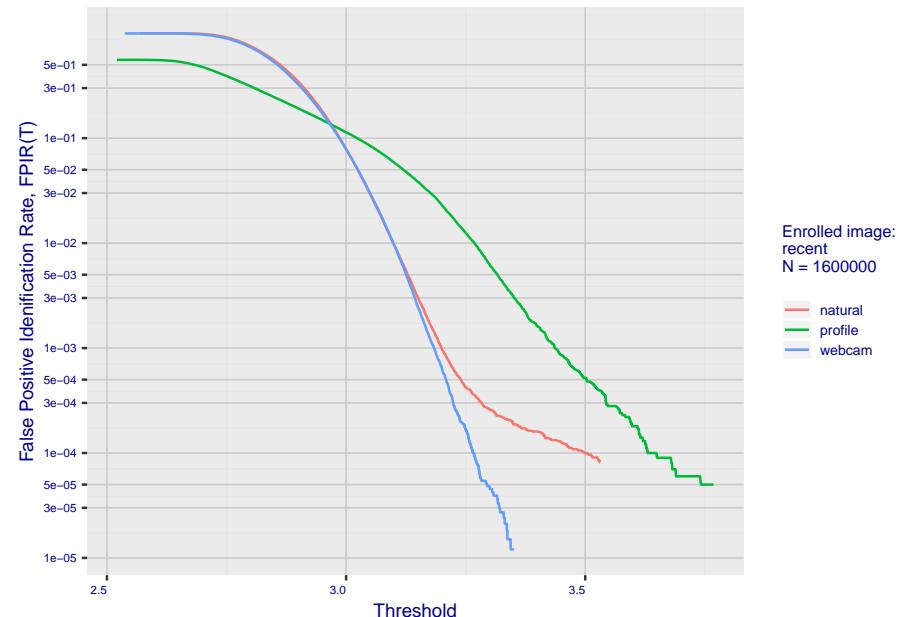


## 2. Report for algorithm 3divi\_5 2020-03-20 13:14:35

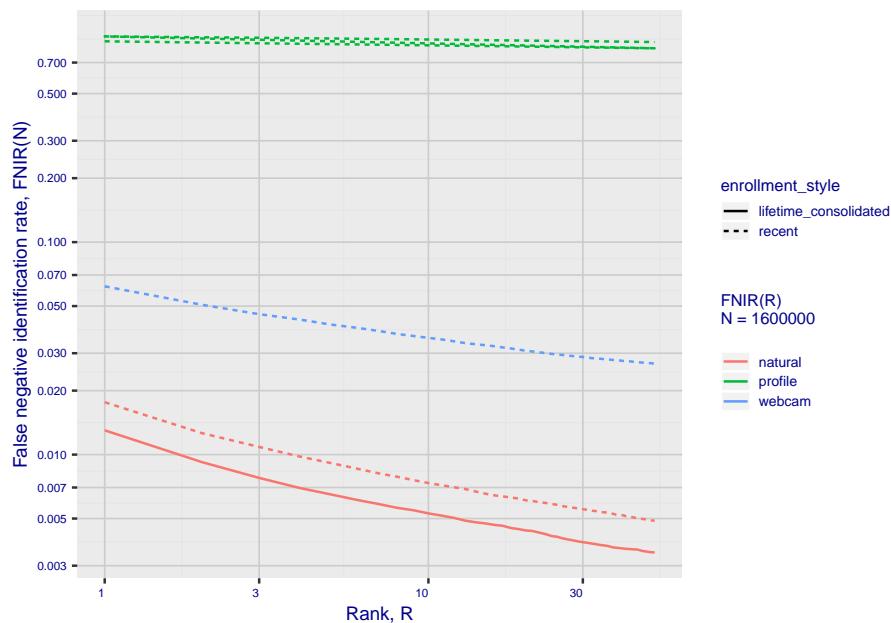
**Fig 5: Dependence on T by number enrolled identities**



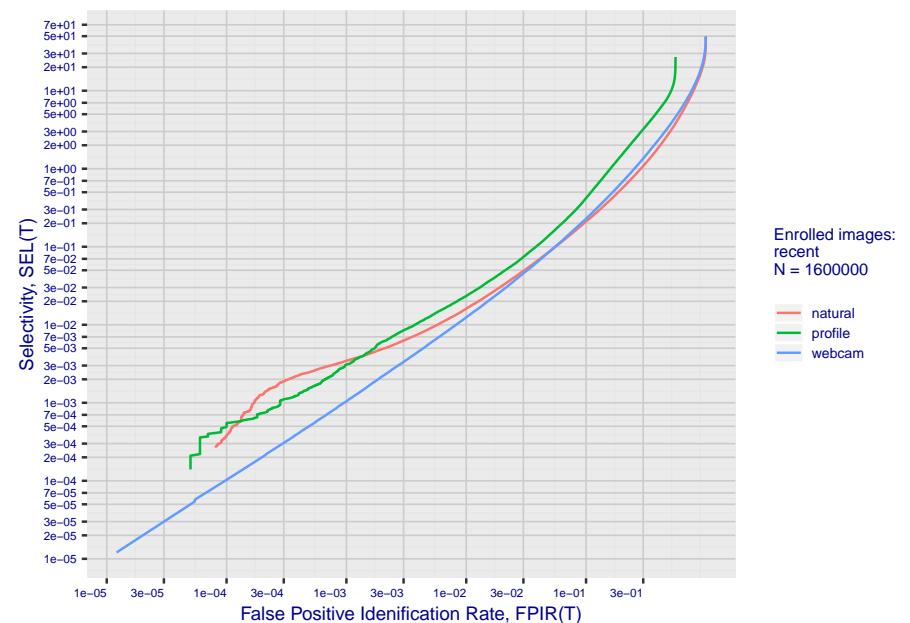
**Fig 6: FPIR dependence on T by probe type**



**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**

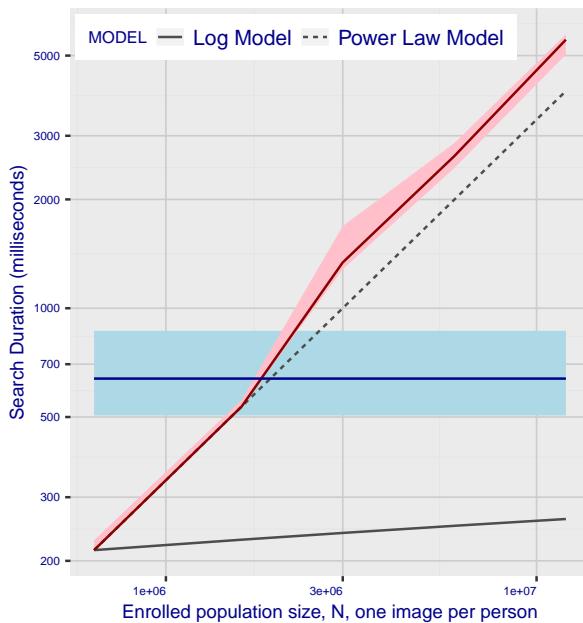


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm 3divi\_5 2020-03-20 13:14:35

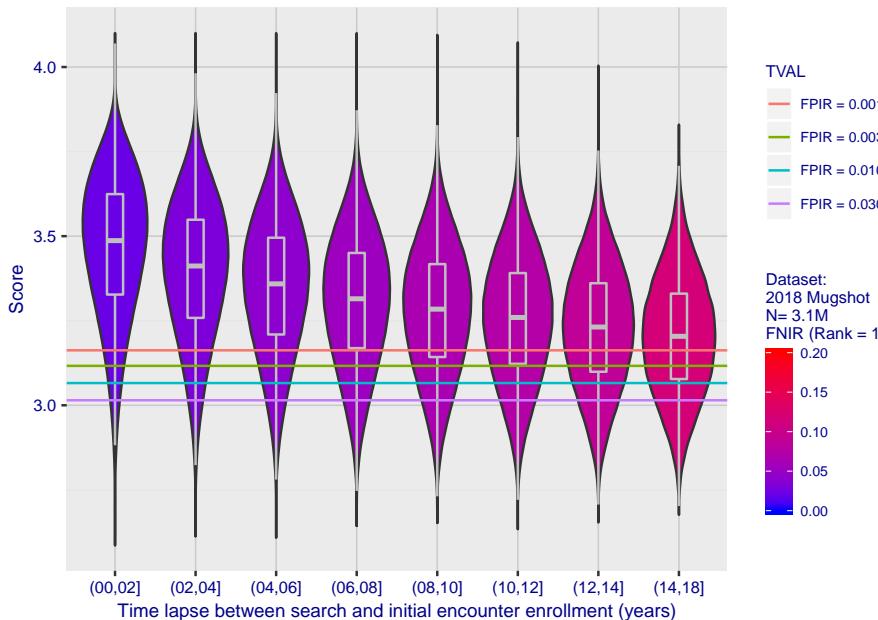
**Fig 10: Template duration; search duration vs. N**



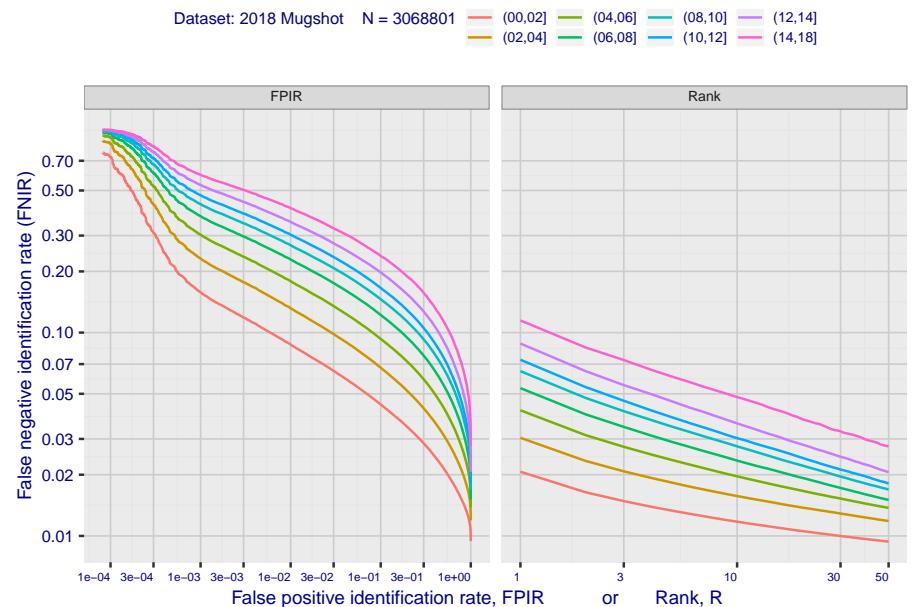
**Fig 11: Datasheet**

Algorithm: 3divi_5
Developer: 3Divi
Submission Date: 2018_10_26
Template size: 4096 bytes
Template time (2.5 percentile): 505 msec
Template time (median): 639 msec
Template time (97.5 percentile): 866 msec
Investigation rank 129 -- FNIR(1600000, 0, 1) = 0.0176 vs. lowest 0.0010 from sensetime_003
Identification rank 136 -- FNIR(1600000, T, L+1) = 0.1661
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

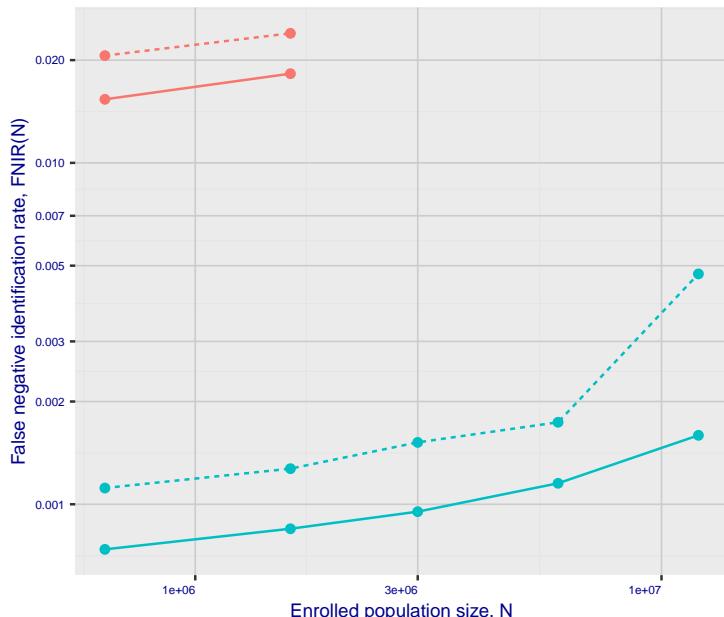


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

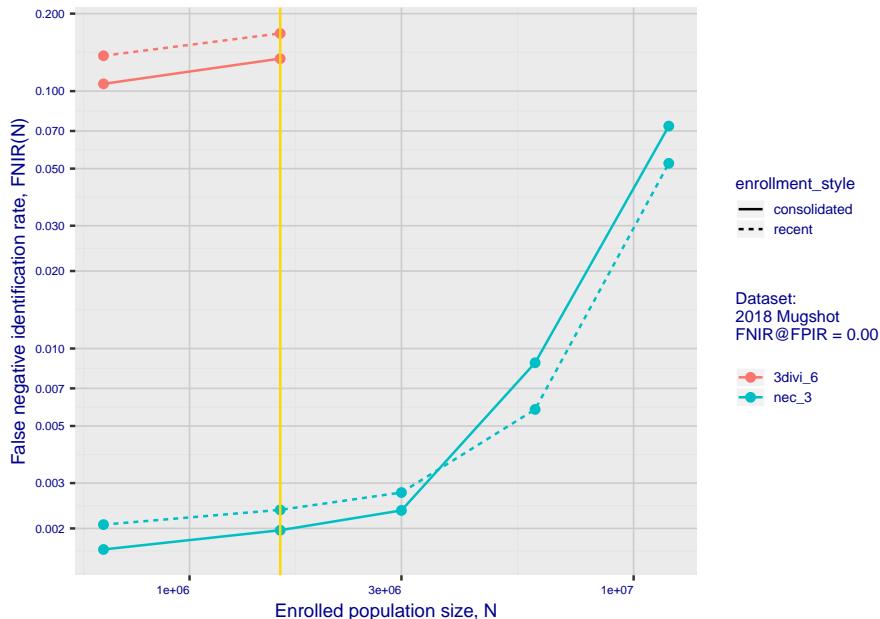


# 1. Report for algorithm 3divi\_6 2020-03-20 13:12:33

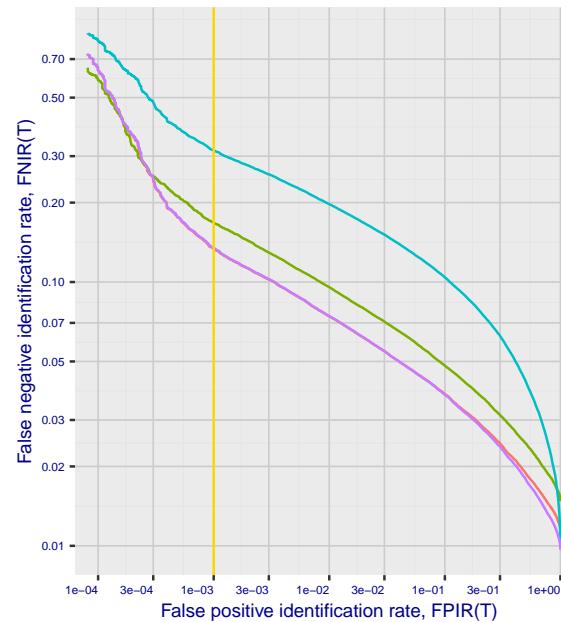
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



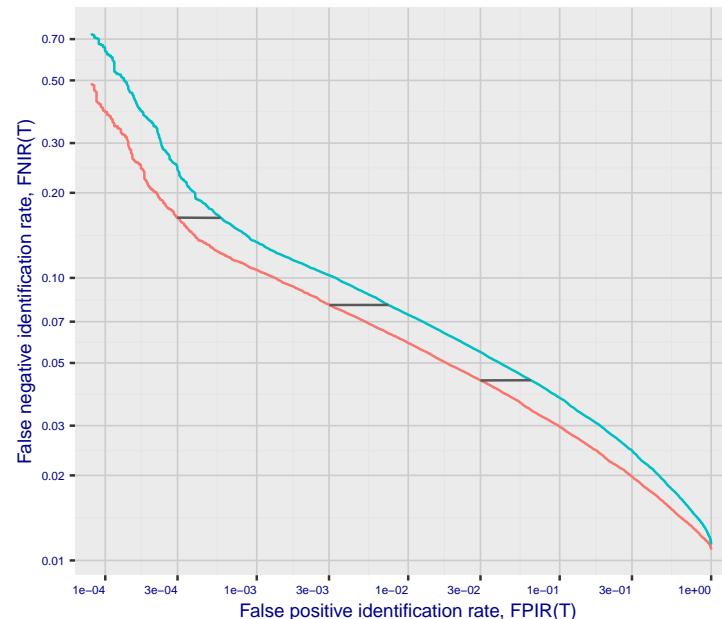
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

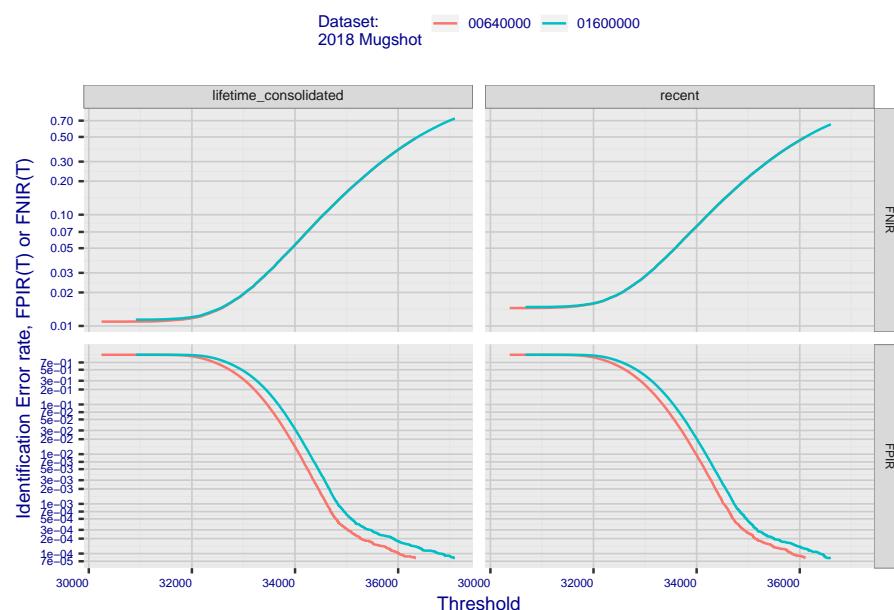


**Fig 4: DET for various N. Links connect points of equal threshold.**

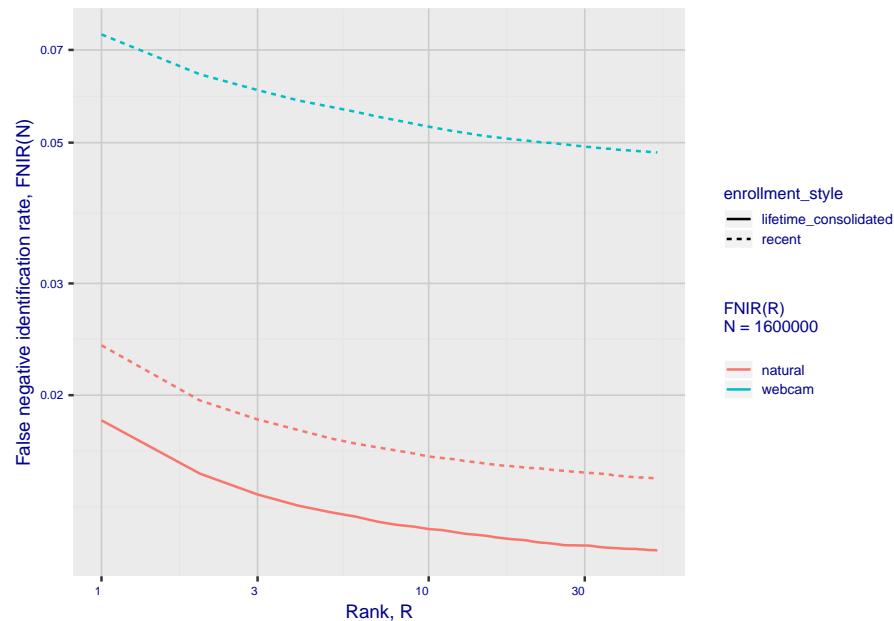


## 2. Report for algorithm 3divi\_6 2020-03-20 13:12:33

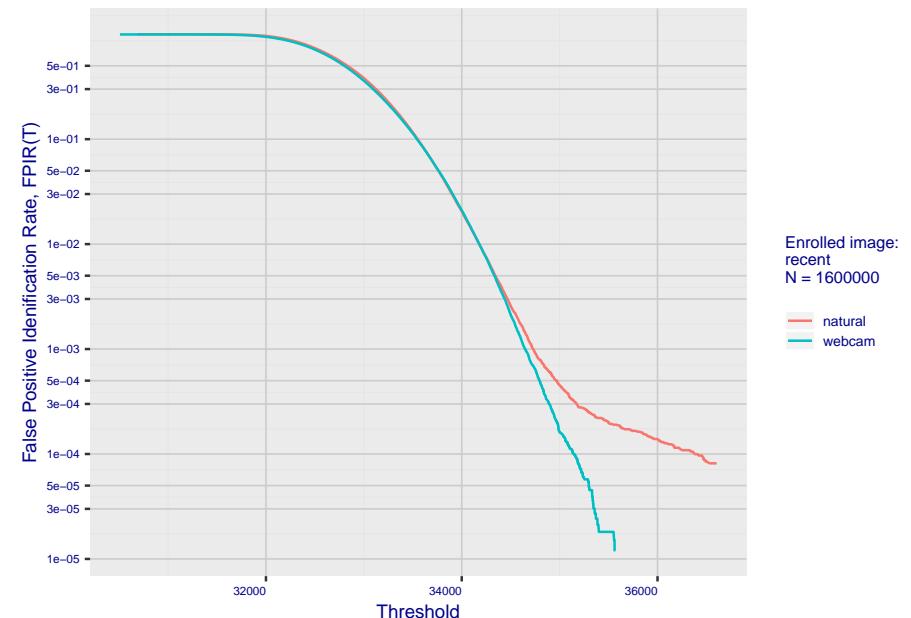
**Fig 5: Dependence on T by number enrolled identities**



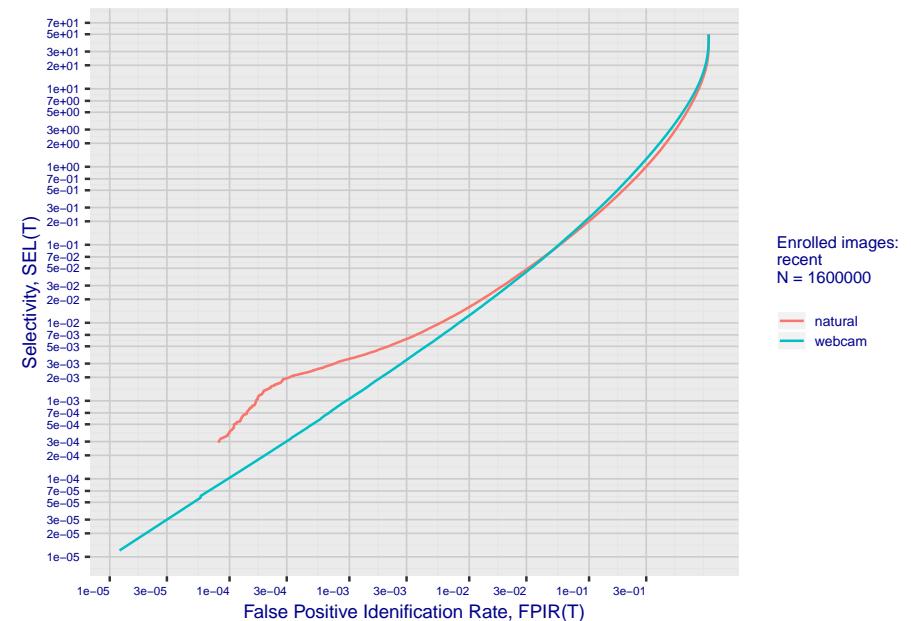
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

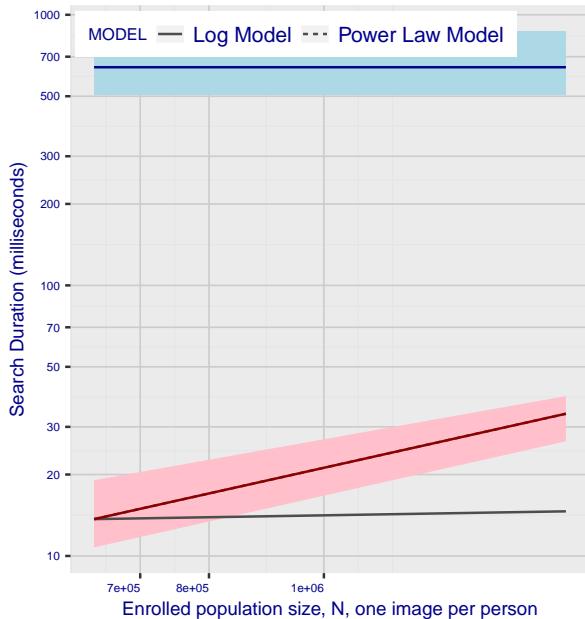


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm 3divi\_6 2020-03-20 13:12:33**

**Fig 10: Template duration; search duration vs. N**

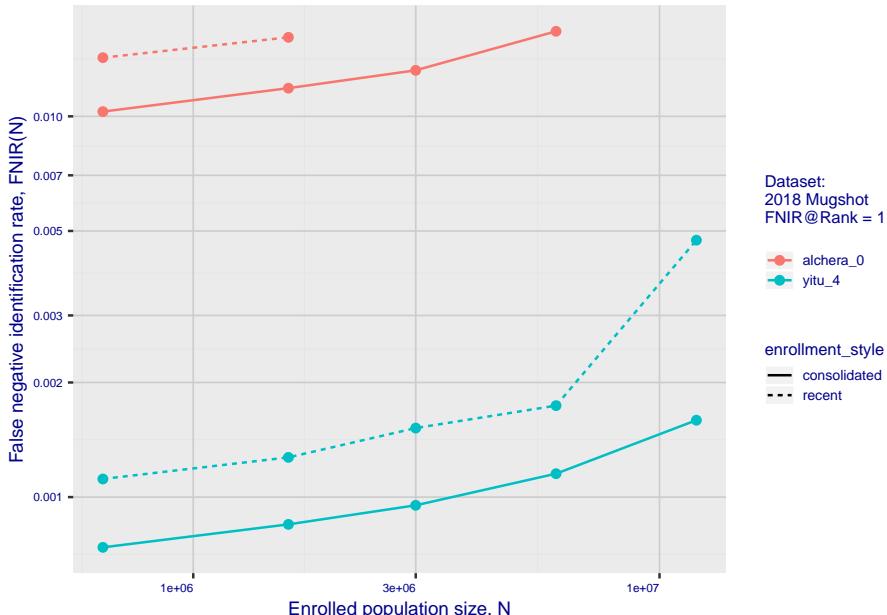


**Fig 11: Datasheet**

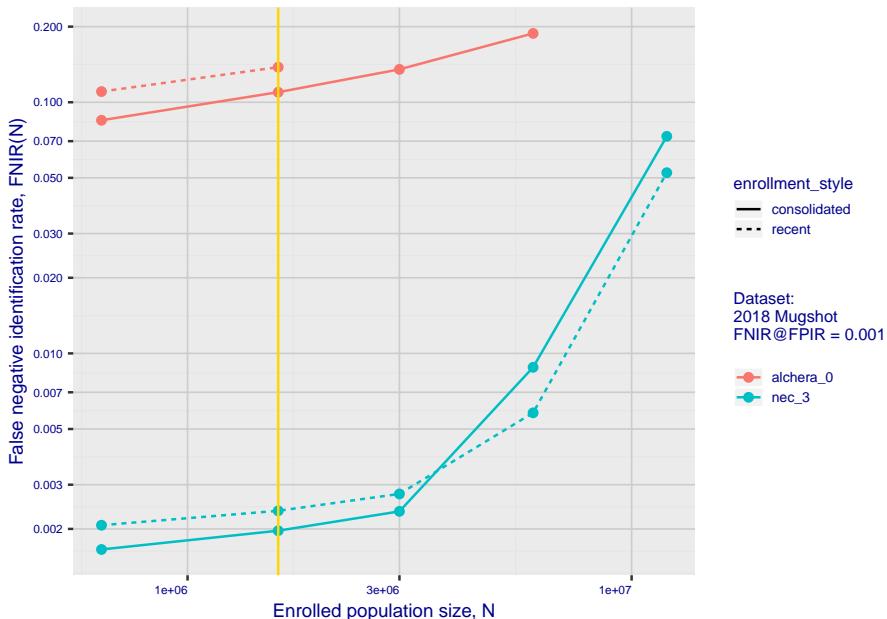
Algorithm: 3divi_6
Developer: 3Divi
Submission Date: 2018_10_26
Template size: 528 bytes
Template time (2.5 percentile): 506 msec
Template time (median): 640 msec
Template time (97.5 percentile): 869 msec
Investigation rank 144 -- FNIR(160000, 0, 1) = 0.0240 vs. lowest 0.0010 from sensetime_003
Identification rank 138 -- FNIR(160000, T, L+1) = 0.1676
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm alchera\_0 2020-03-20 13:12:33

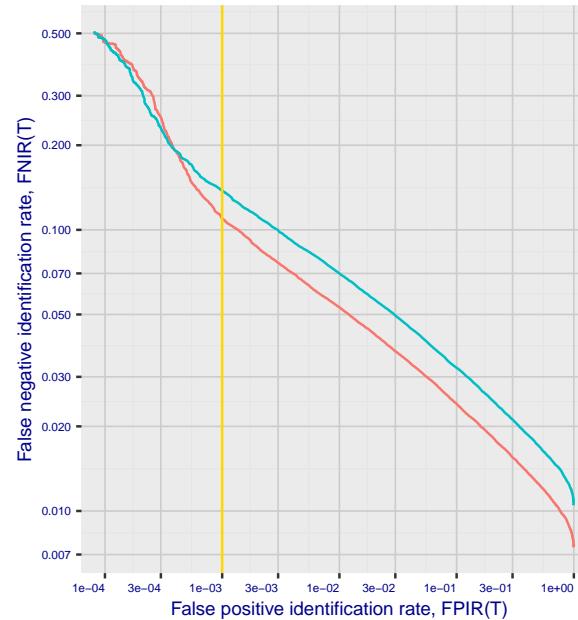
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



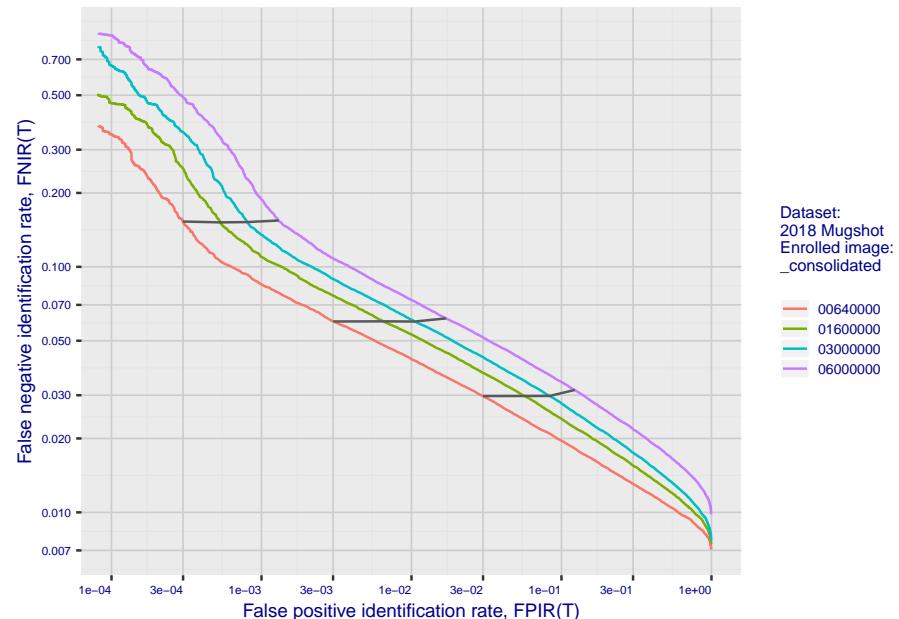
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

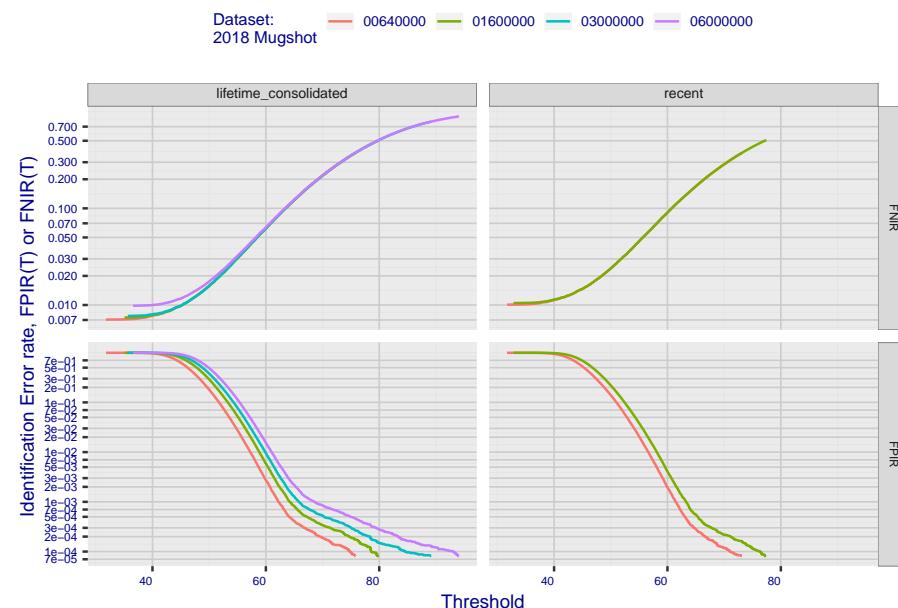


**Fig 4: DET for various N. Links connect points of equal threshold.**

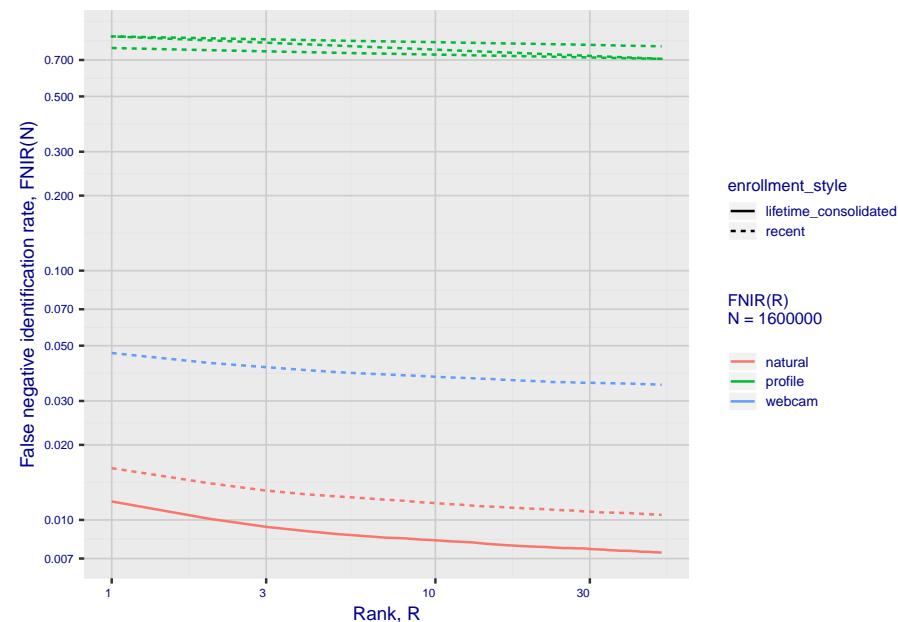


## 2. Report for algorithm alchera\_0 2020-03-20 13:12:33

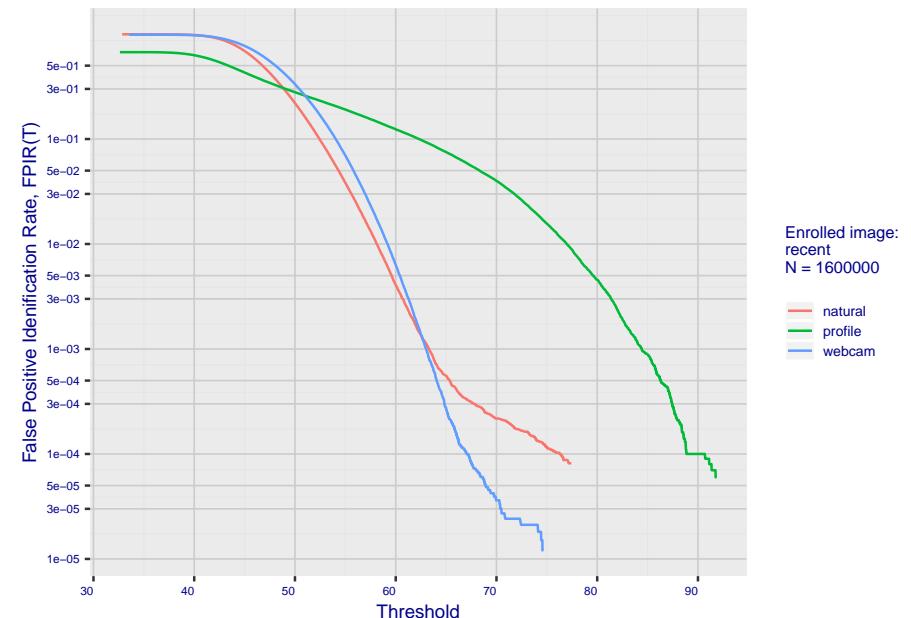
**Fig 5: Dependence on T by number enrolled identities**



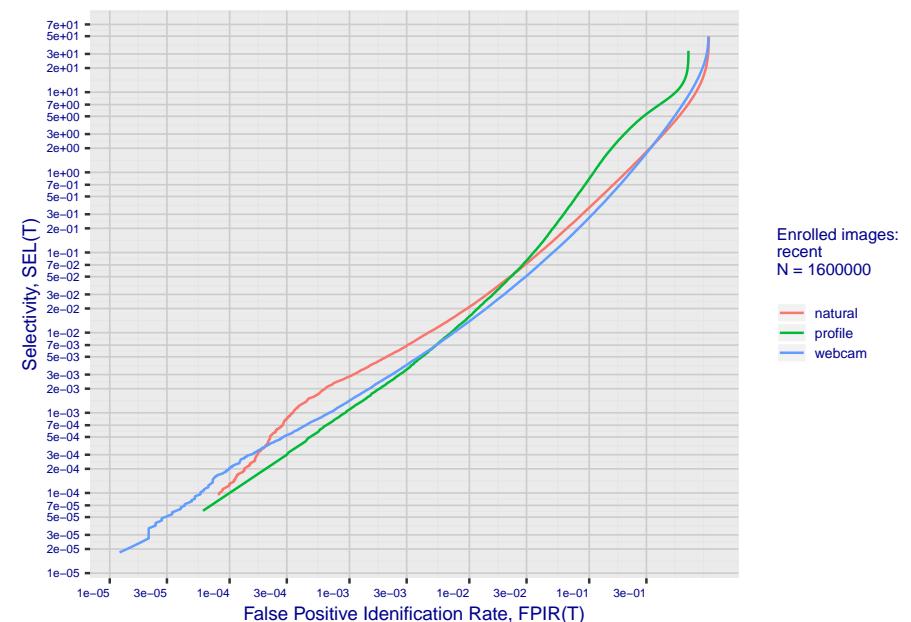
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm alchera\_0 2020-03-20 13:12:33

Fig 10: Template duration; search duration vs. N

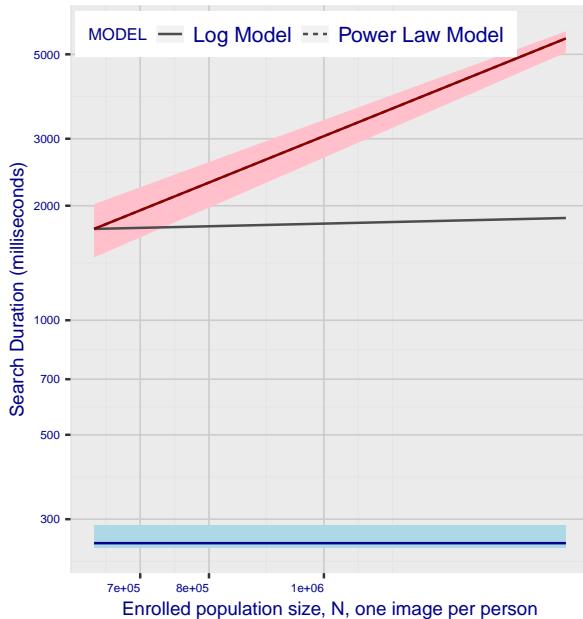
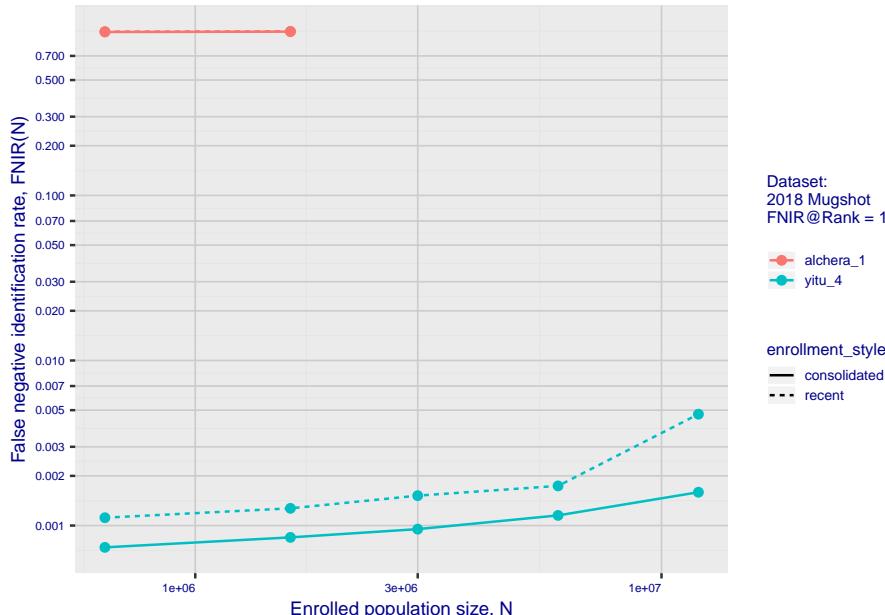


Fig 11: Datasheet

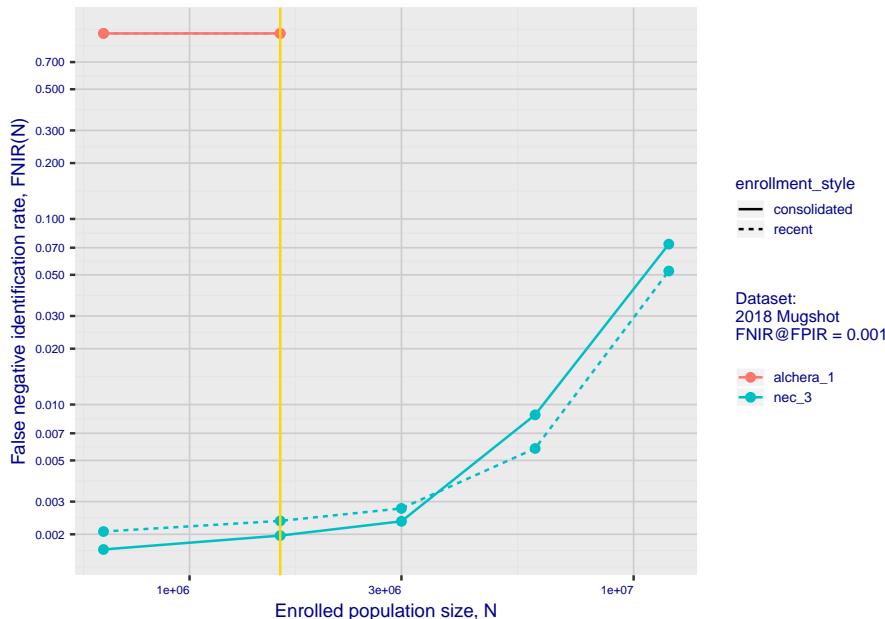
Algorithm:	alchera_0
Developer:	Alchera Inc
Submission Date:	2018_06_30
Template size:	2048 bytes
Template time (2.5 percentile):	253 msec
Template time (median):	259 msec
Template time (97.5 percentile):	289 msec
Investigation rank 124 -- FNIR(1600000, 0, 1) = 0.0161 vs. lowest 0.0010 from sensetime_003	
Identification rank 126 -- FNIR(1600000, T, L+1) = 0.1380	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm alchera\_1 2020-03-20 13:12:34

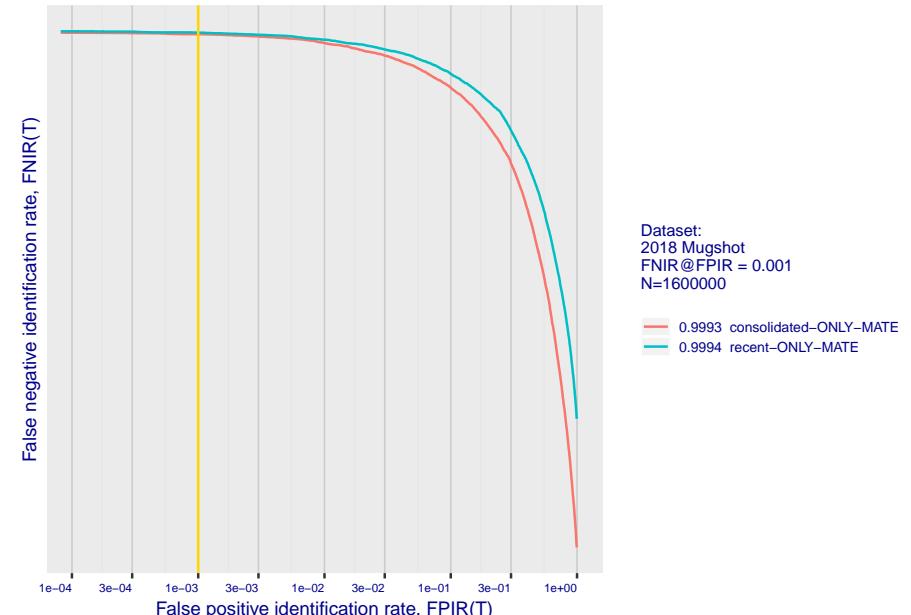
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



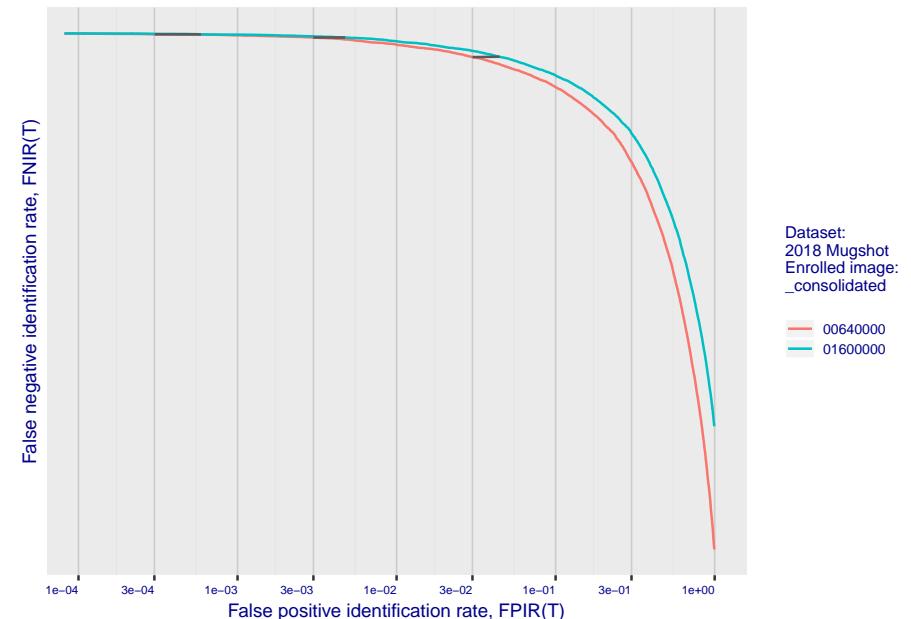
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

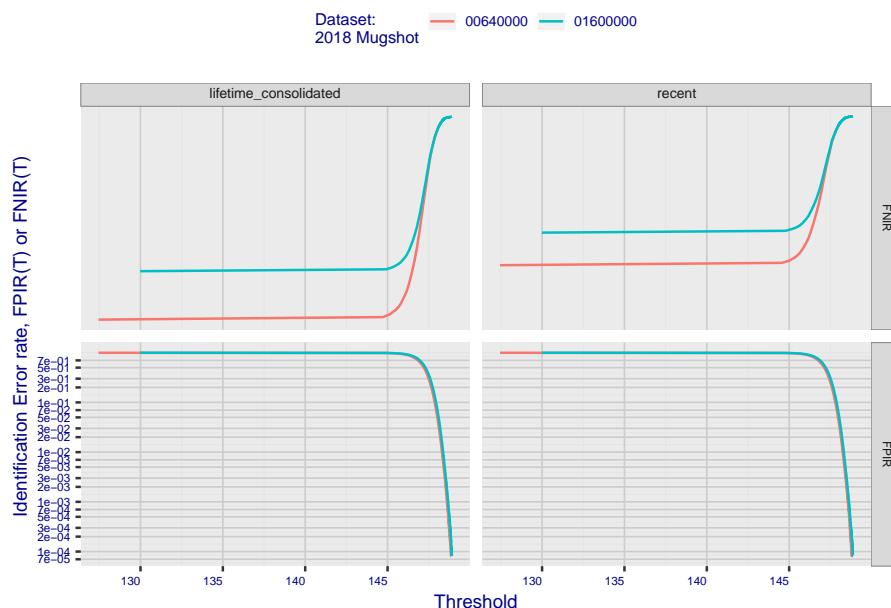


**Fig 4: DET for various N. Links connect points of equal threshold.**

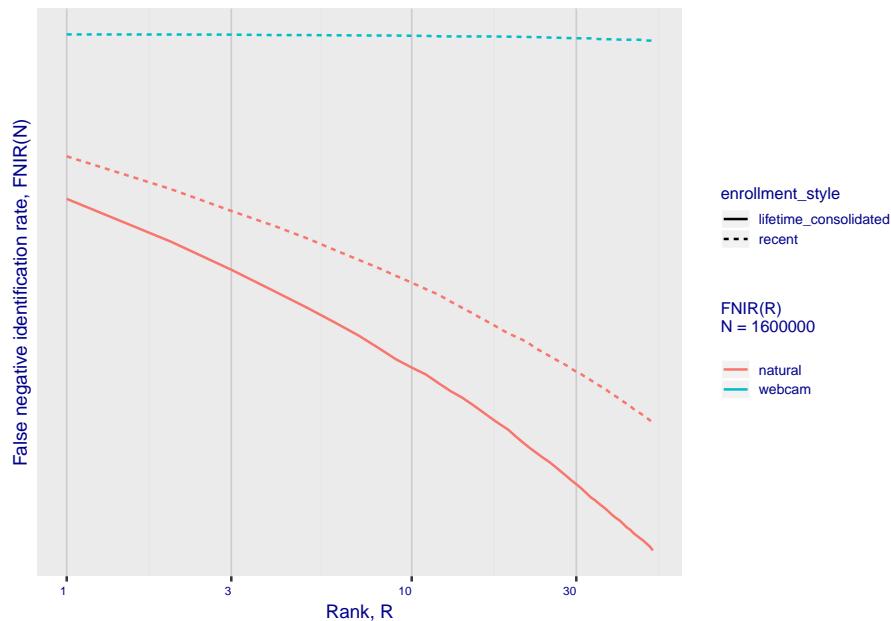


## 2. Report for algorithm alchera\_1 2020-03-20 13:12:34

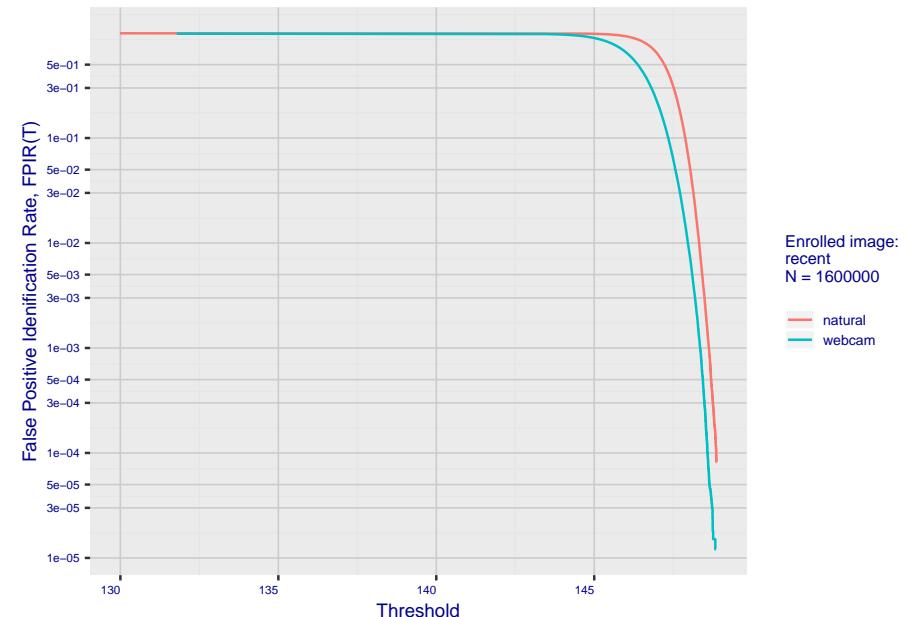
**Fig 5: Dependence on T by number enrolled identities**



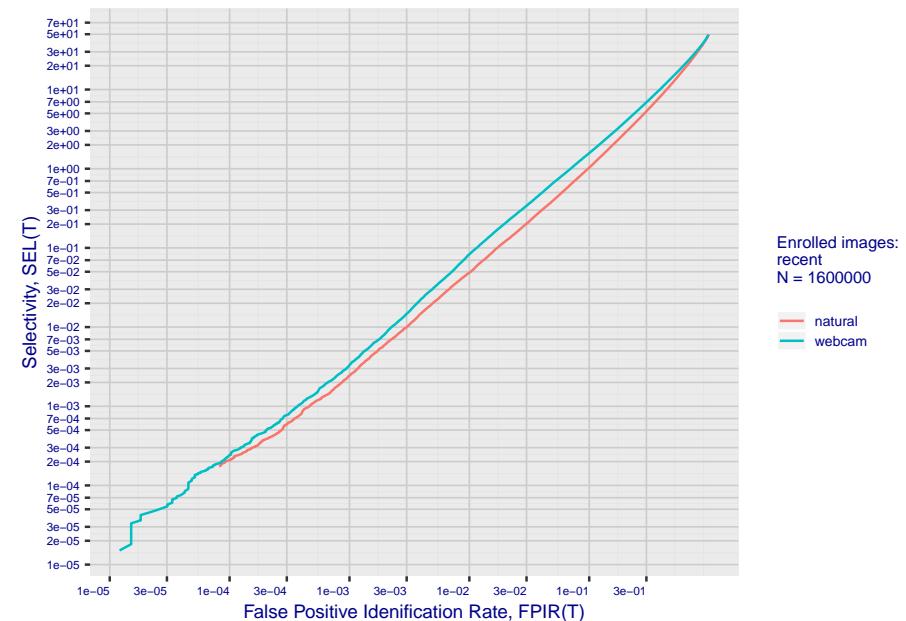
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm alchera\_1 2020-03-20 13:12:34

Fig 10: Template duration; search duration vs. N

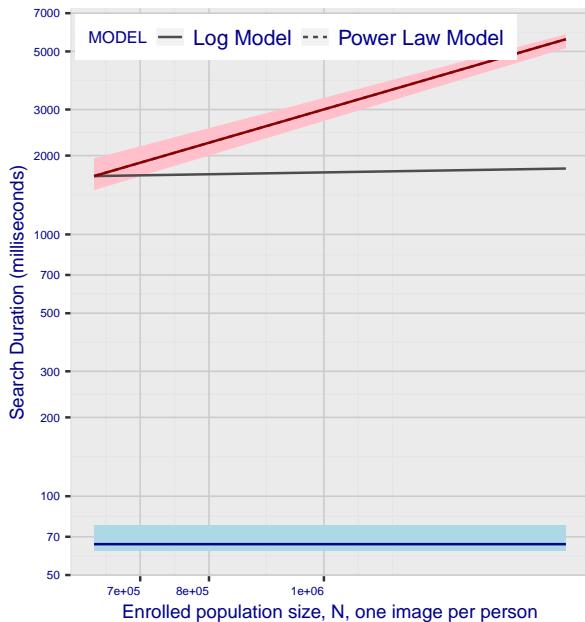
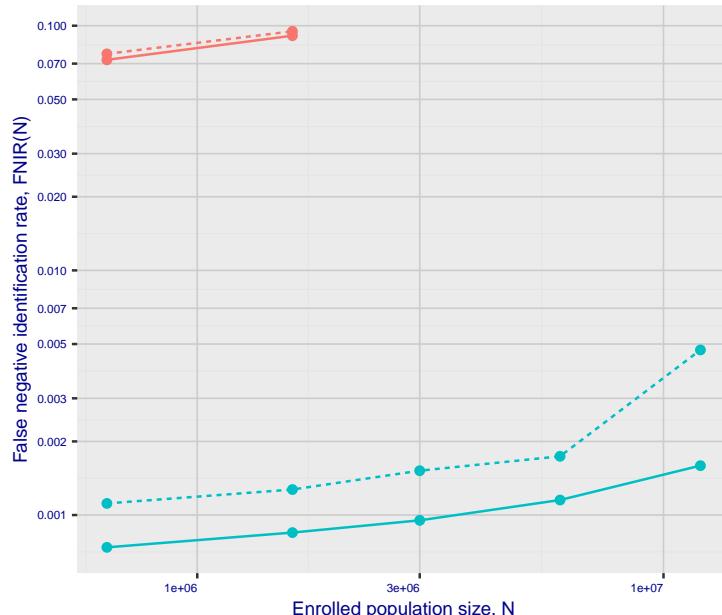


Fig 11: Datasheet

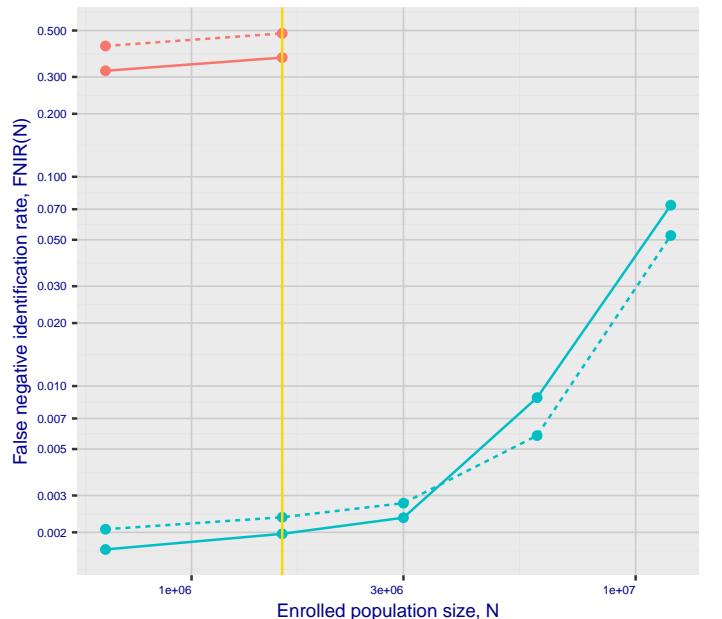
Algorithm:	alchera_1
Developer:	Alchera Inc
Submission Date:	2018_06_30
Template size:	2048 bytes
Template time (2.5 percentile):	62 msec
Template time (median):	66 msec
Template time (97.5 percentile):	77 msec
Investigation rank 235 -- FNIR(1600000, 0, 1) = 0.9869 vs. lowest 0.0010 from sensetime_003	
Identification rank 233 -- FNIR(1600000, T, L+1) = 0.9994	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm alchera\_2 2020-03-20 13:12:32

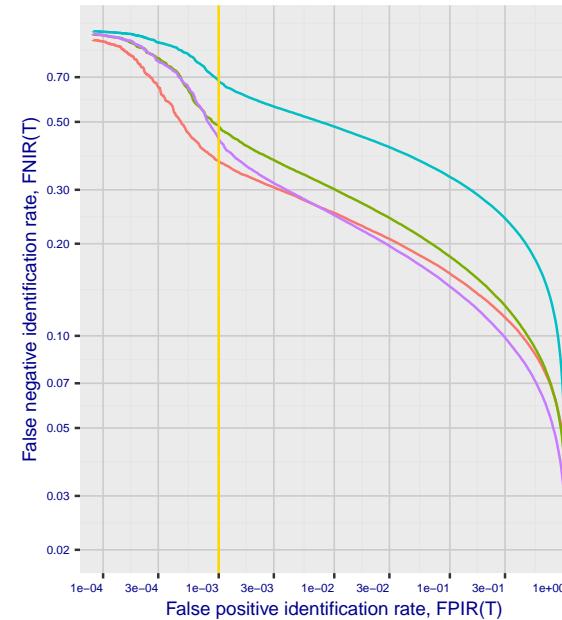
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



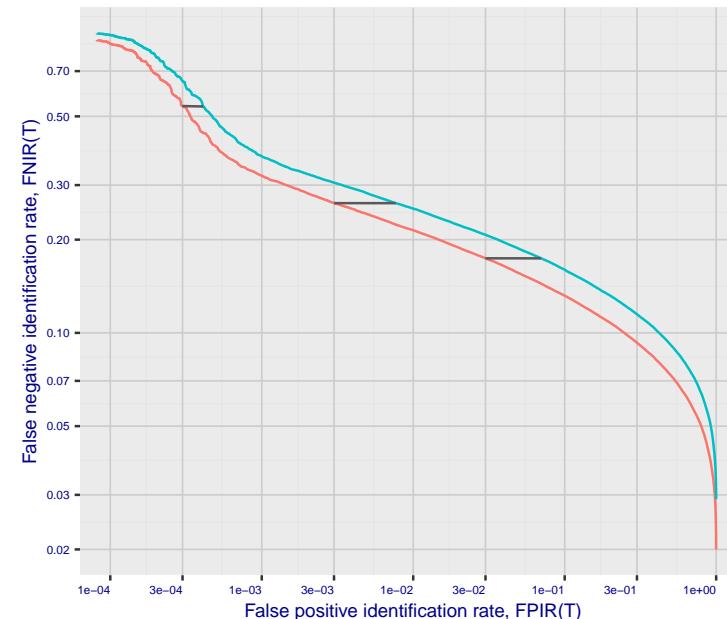
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

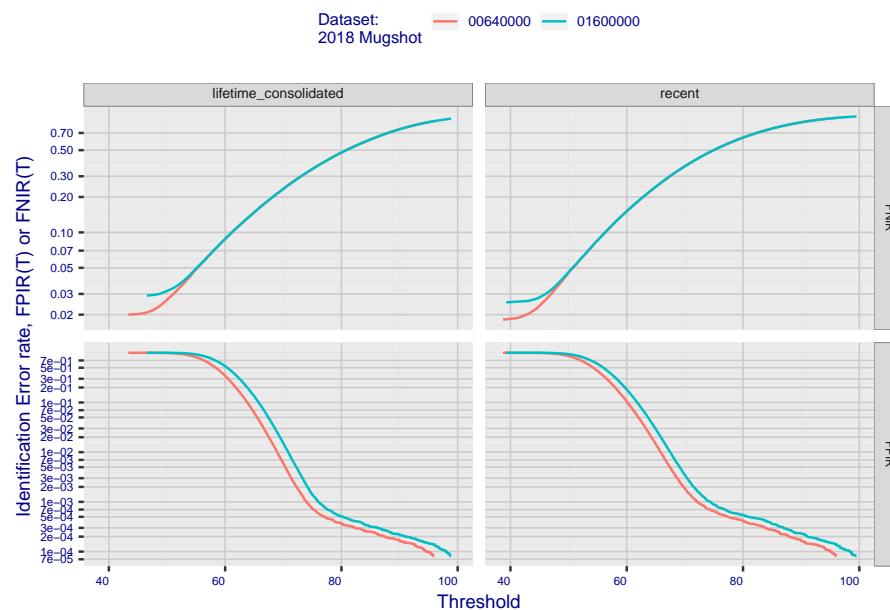


**Fig 4: DET for various N. Links connect points of equal threshold.**

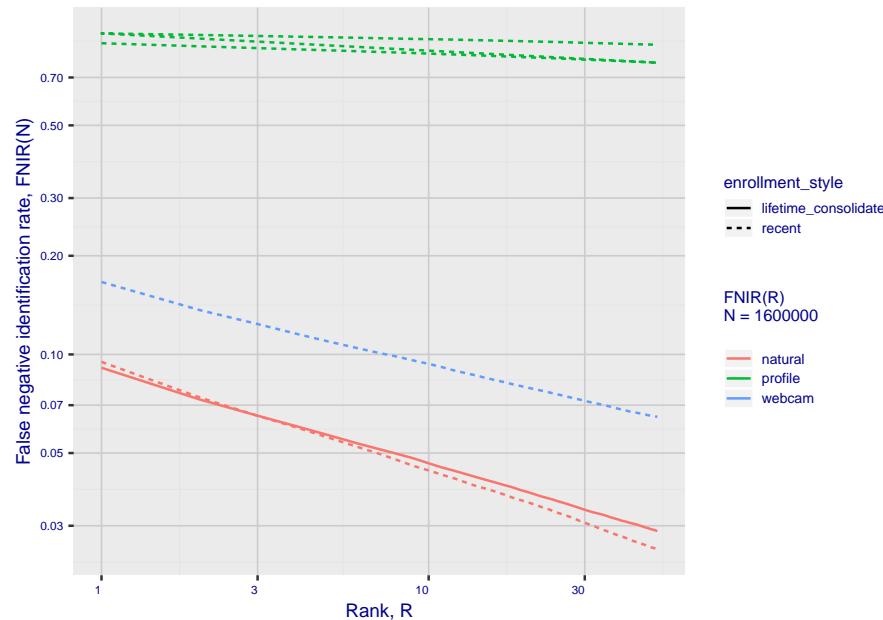


## 2. Report for algorithm alchera\_2 2020-03-20 13:12:32

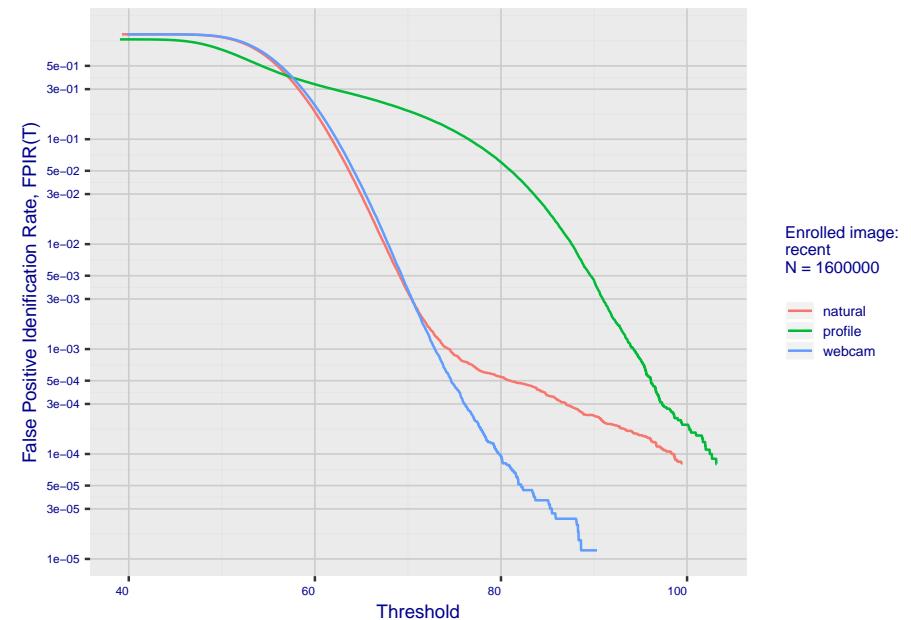
**Fig 5: Dependence on T by number enrolled identities**



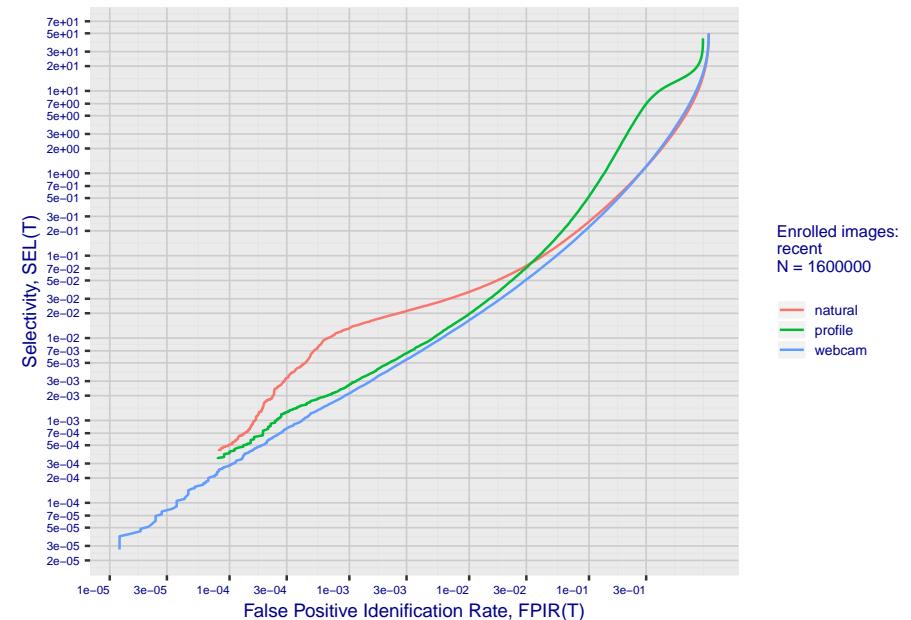
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm alchera\_2 2020-03-20 13:12:32

Fig 10: Template duration; search duration vs. N

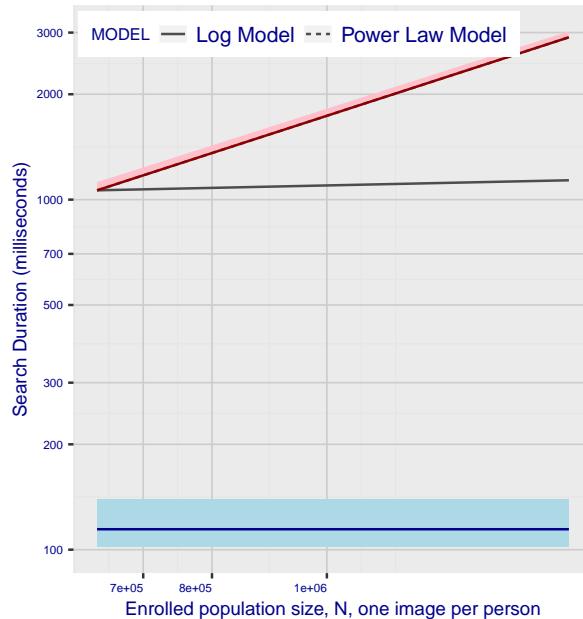
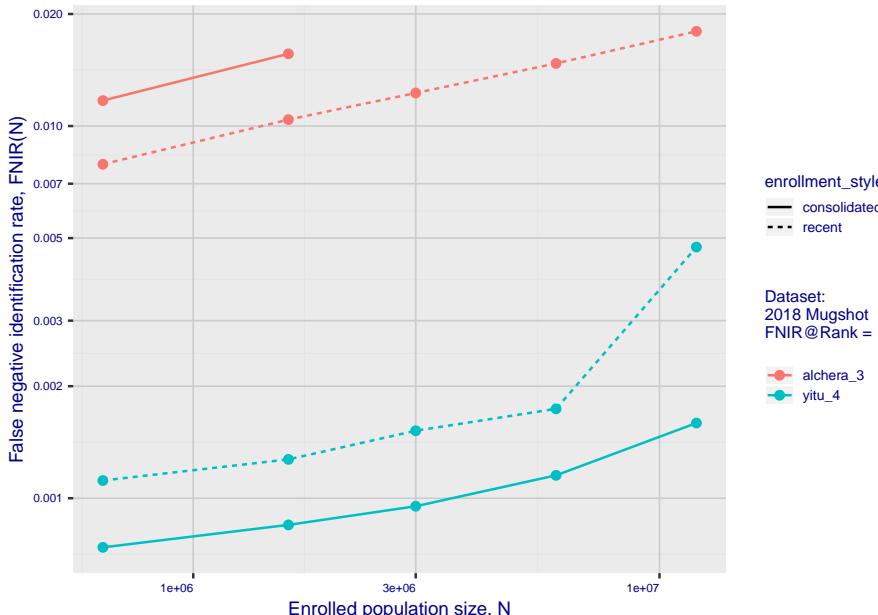


Fig 11: Datasheet

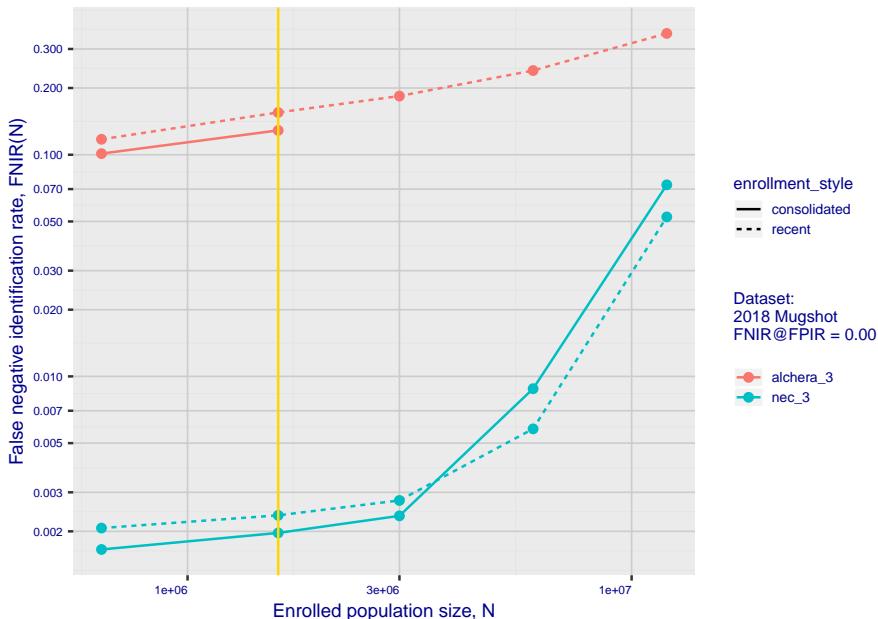
Algorithm:	alchera_2
Developer:	Alchera Inc
Submission Date:	2018_10_30
Template size:	2048 bytes
Template time (2.5 percentile):	102 msec
Template time (median):	114 msec
Template time (97.5 percentile):	139 msec
Investigation rank 188 -- FNIR(1600000, 0, 1) = 0.0949 vs. lowest 0.0010 from sensetime_003	
Identification rank 189 -- FNIR(1600000, T, L+1) = 0.4843	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm alchera\_3 2020-03-20 13:12:34

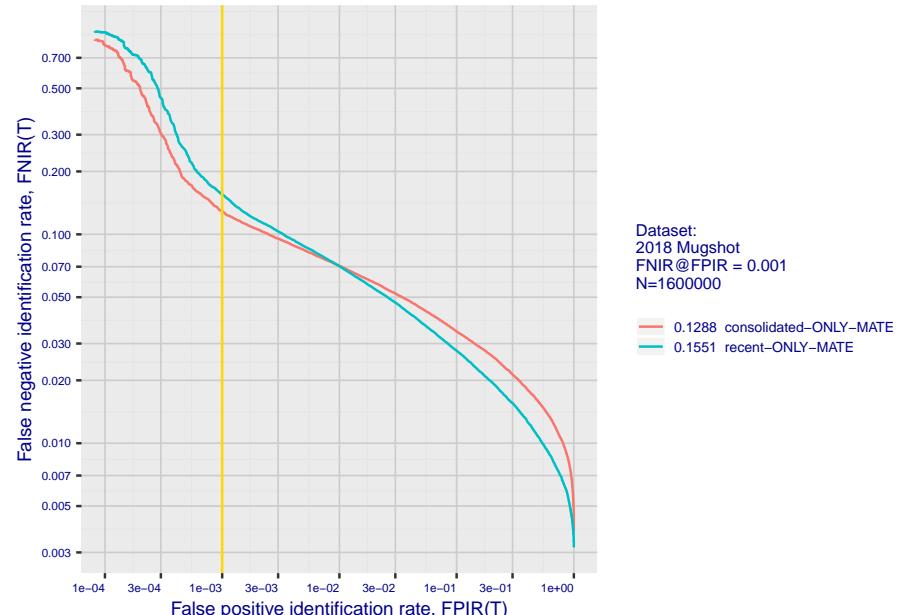
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



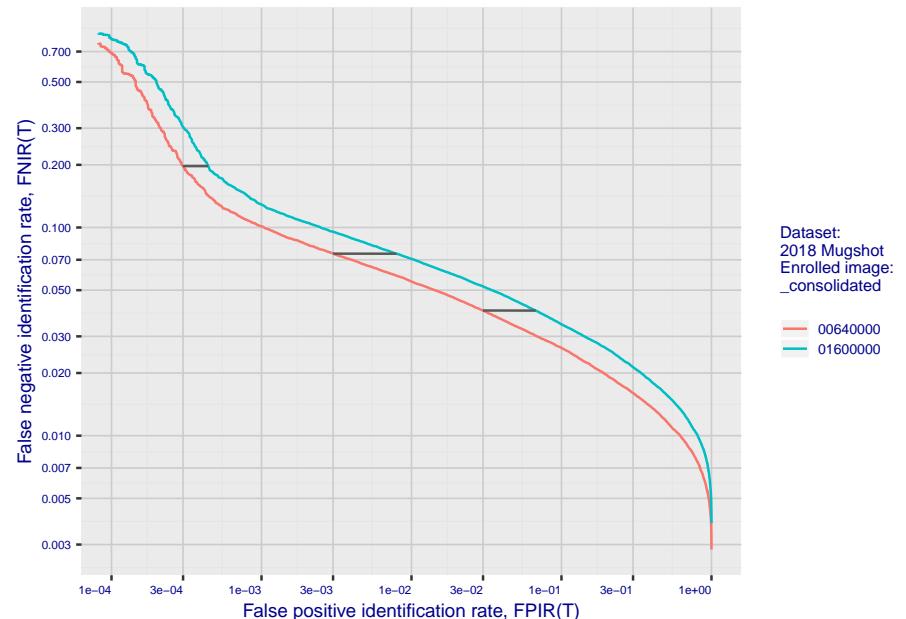
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

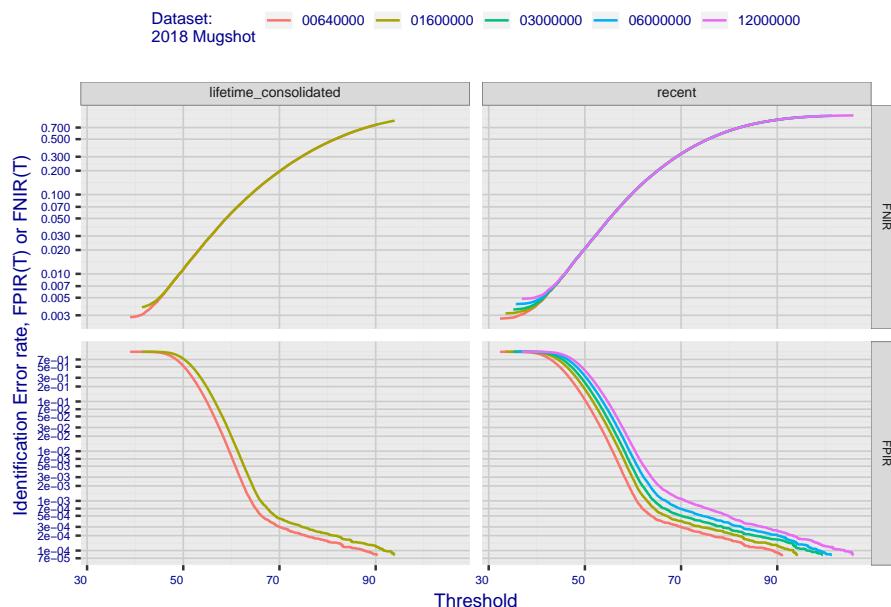


**Fig 4: DET for various N. Links connect points of equal threshold.**

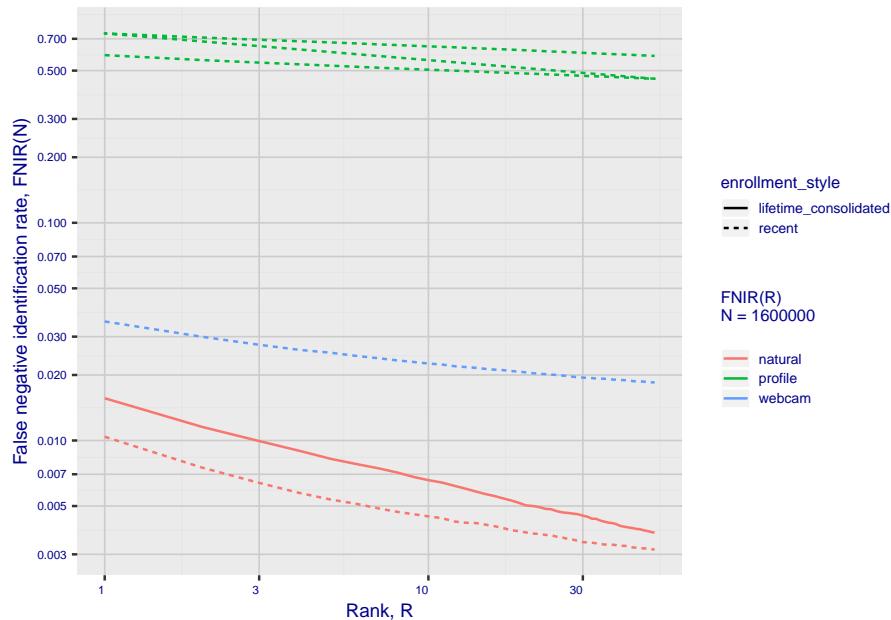


## 2. Report for algorithm alchera\_3 2020-03-20 13:12:34

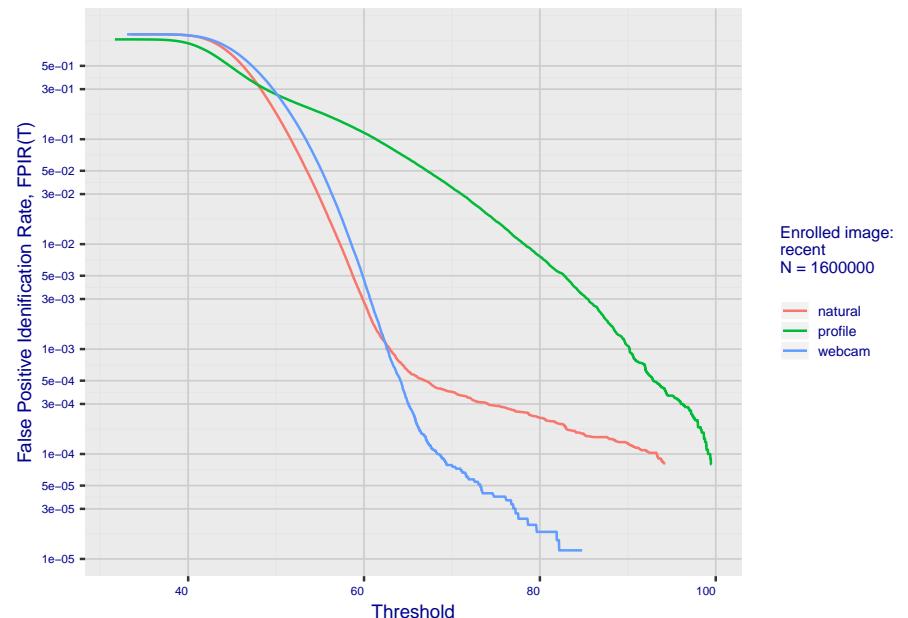
**Fig 5: Dependence on T by number enrolled identities**



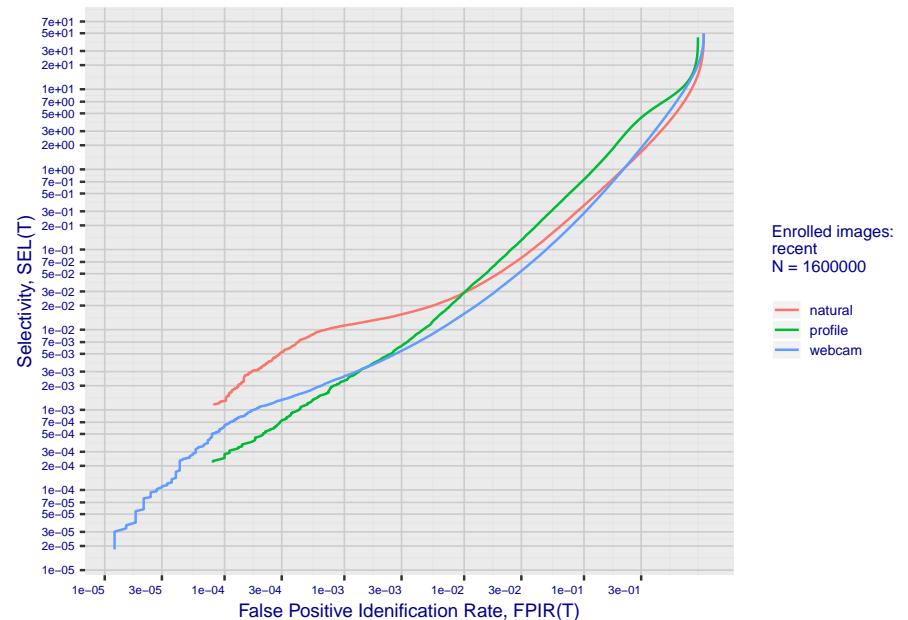
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm alchera\_3 2020-03-20 13:12:34

Fig 10: Template duration; search duration vs. N

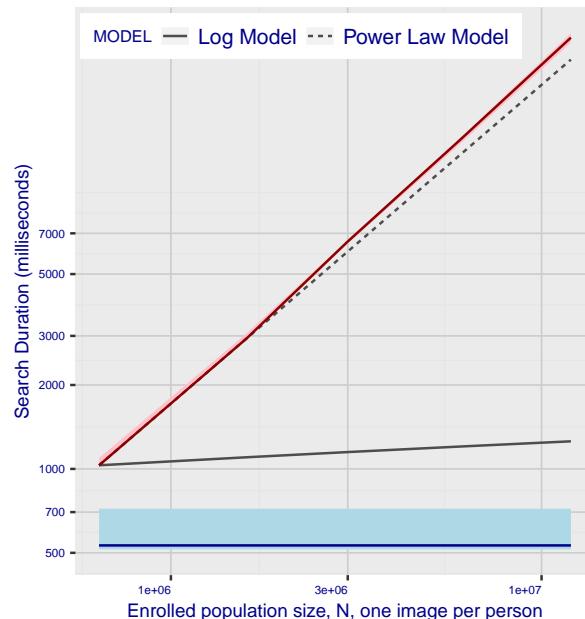
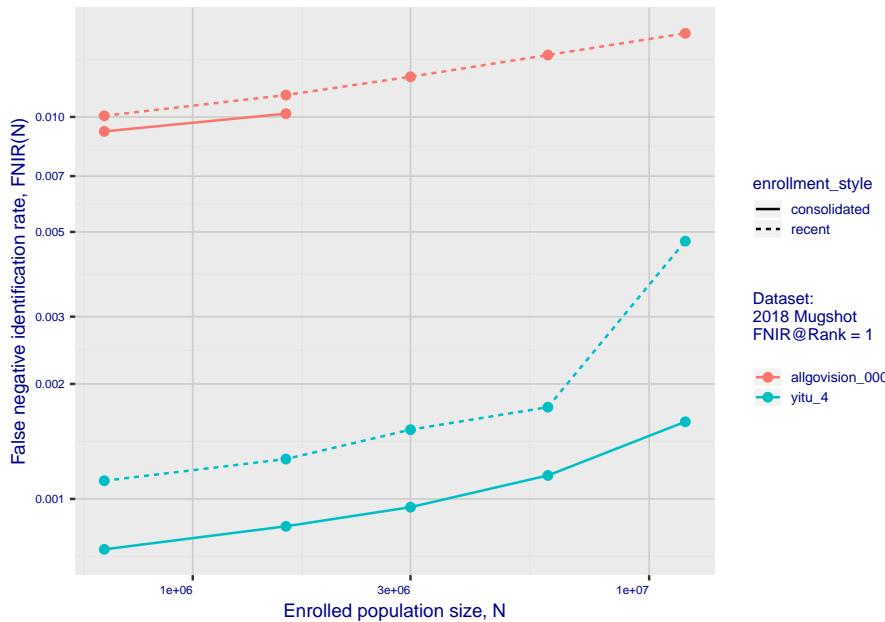


Fig 11: Datasheet

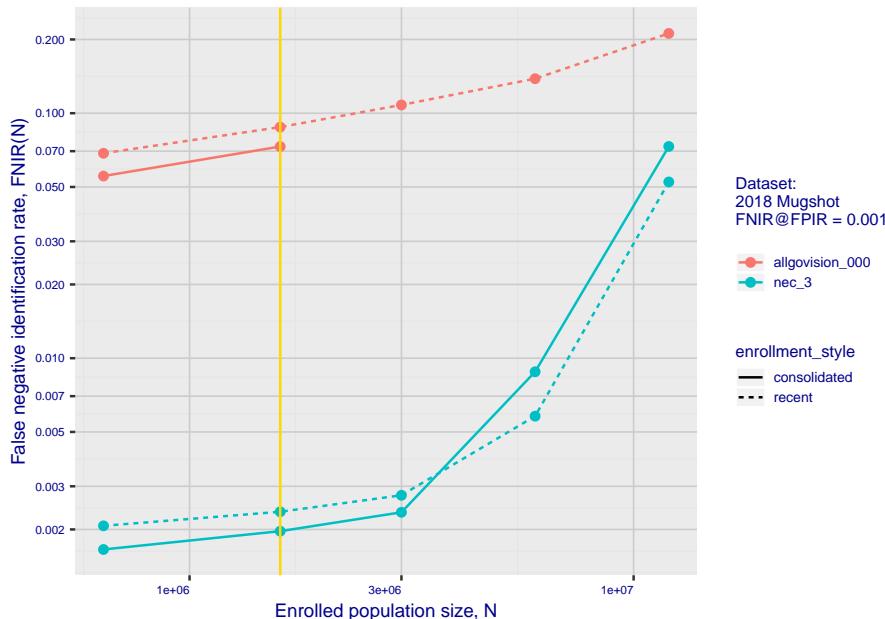
Algorithm:	alchera_3
Developer:	Alchera Inc
Submission Date:	2018_10_30
Template size:	2048 bytes
Template time (2.5 percentile):	515 msec
Template time (median):	532 msec
Template time (97.5 percentile):	720 msec
Investigation rank 101 -- FNIR(1600000, 0, 1) = 0.0104 vs. lowest 0.0010 from sensetime_003	
Identification rank 129 -- FNIR(1600000, T, L+1) = 0.1551	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm allgovision\_000 2020-03-20 13:12:33

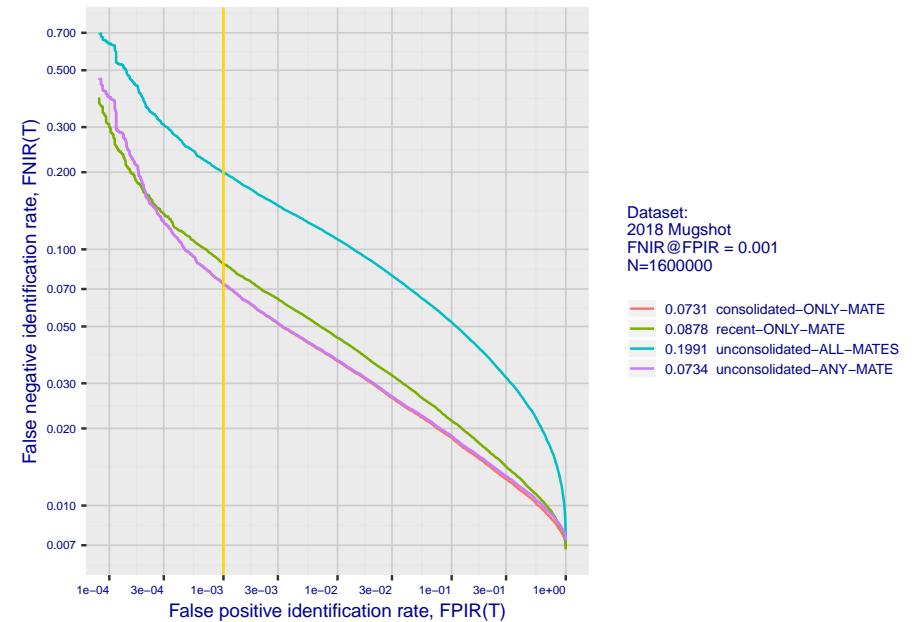
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



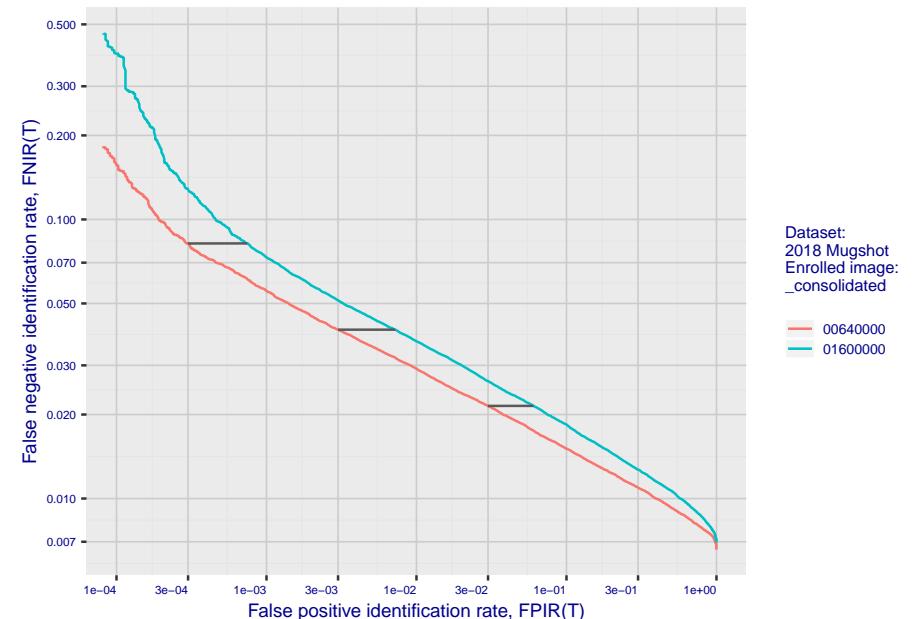
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

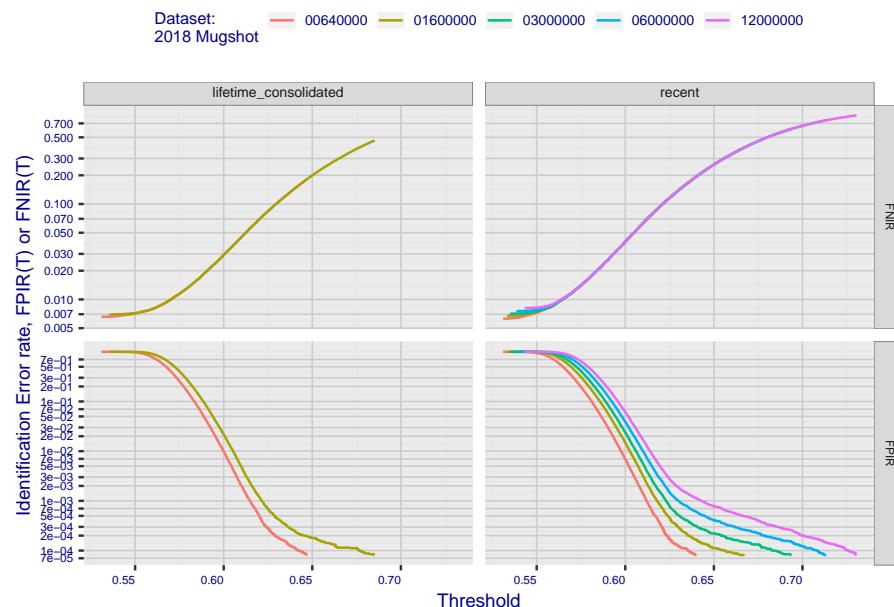


**Fig 4: DET for various N. Links connect points of equal threshold.**

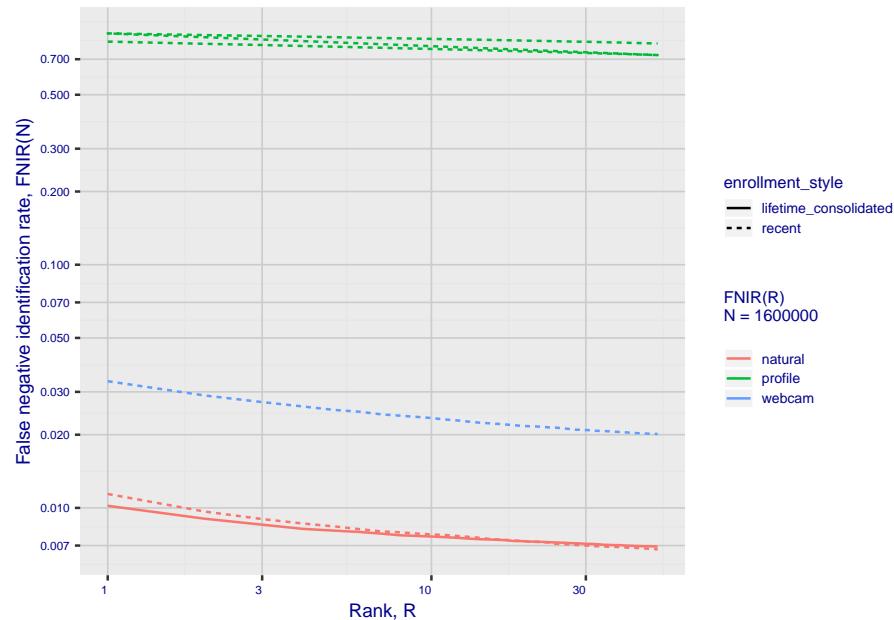


## 2. Report for algorithm allgovision\_000 2020-03-20 13:12:33

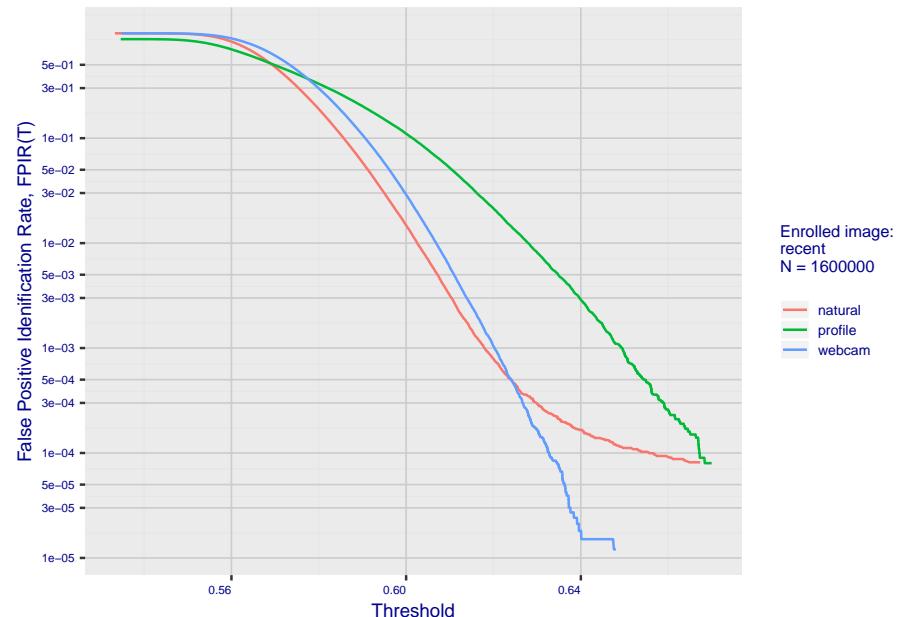
**Fig 5: Dependence on T by number enrolled identities**



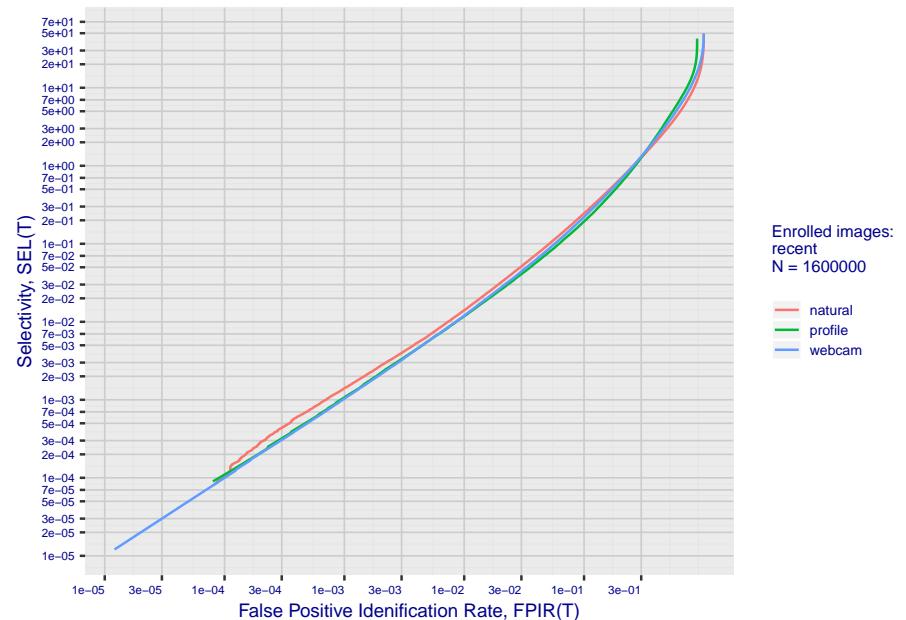
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm allgovision\_000 2020-03-20 13:12:33

Fig 10: Template duration; search duration vs. N

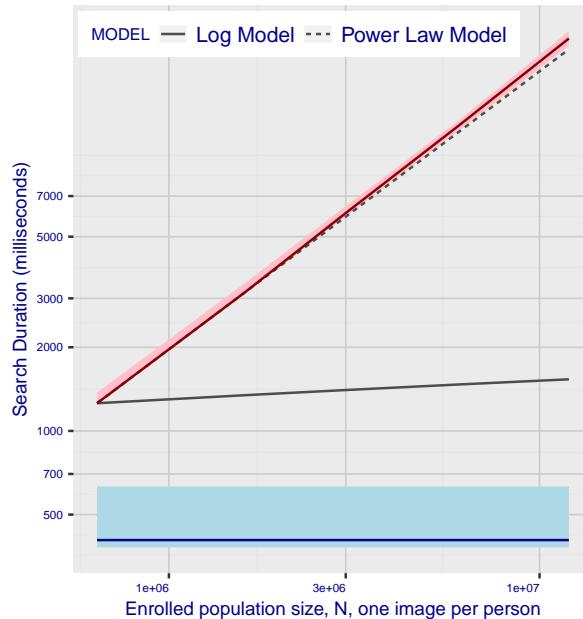
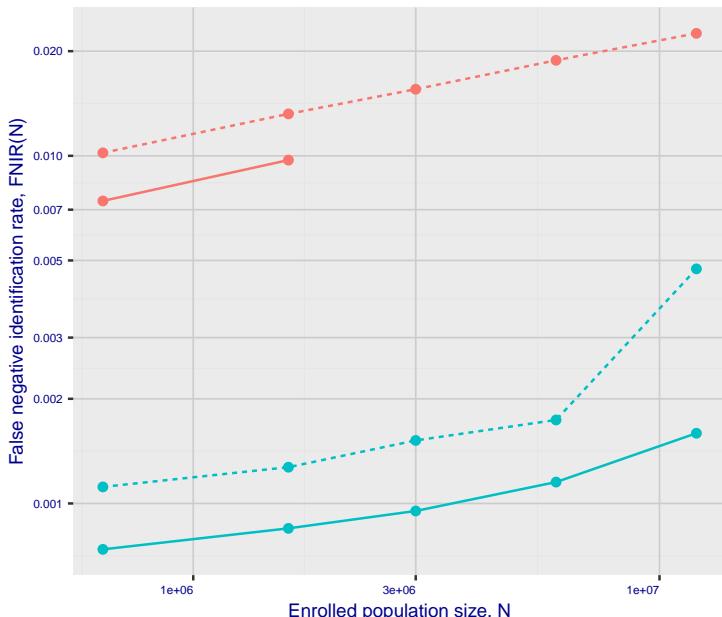


Fig 11: Datasheet

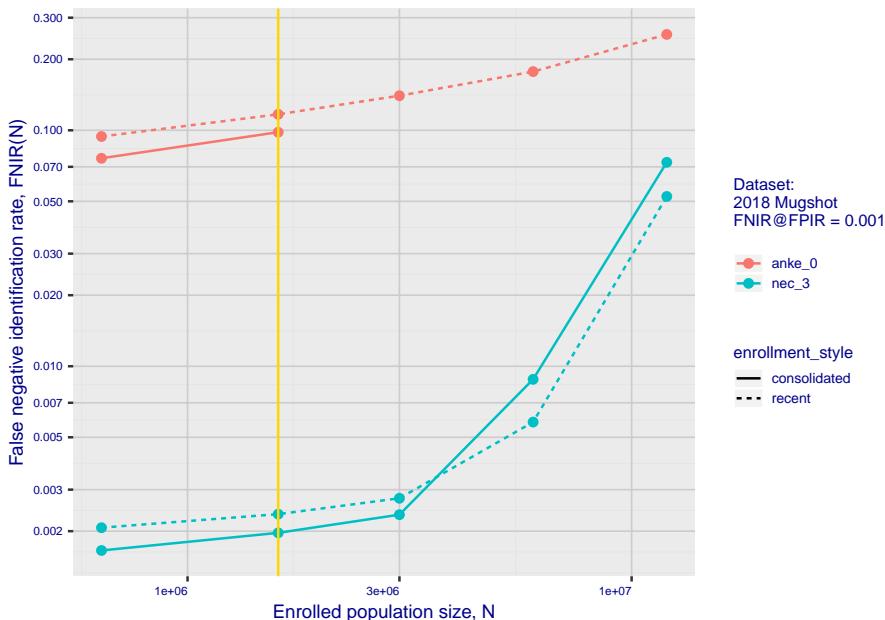
Algorithm:	allgovision_000
Developer:	AllGoVision
Submission Date:	2019_07_30
Template size:	2048 bytes
Template time (2.5 percentile):	381 msec
Template time (median):	405 msec
Template time (97.5 percentile):	631 msec
Investigation rank 108 -- FNIR(1600000, 0, 1) = 0.0114 vs. lowest 0.0010 from sensetime_003	
Identification rank 99 -- FNIR(1600000, T, L+1) = 0.0878	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm anke\_0 2020-03-20 13:14:35

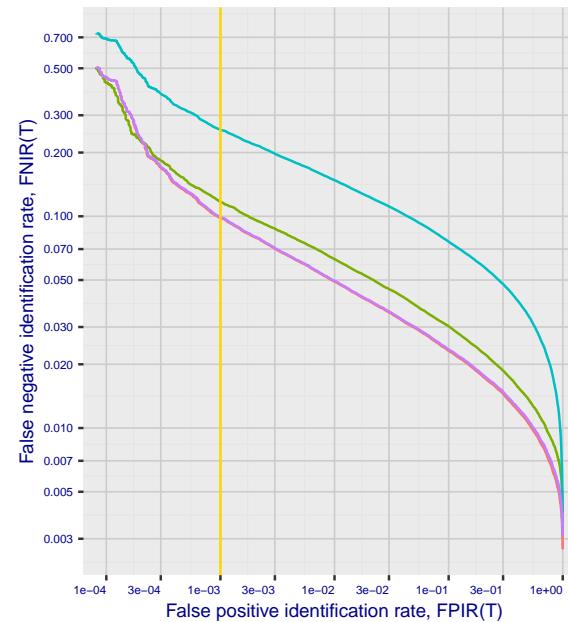
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



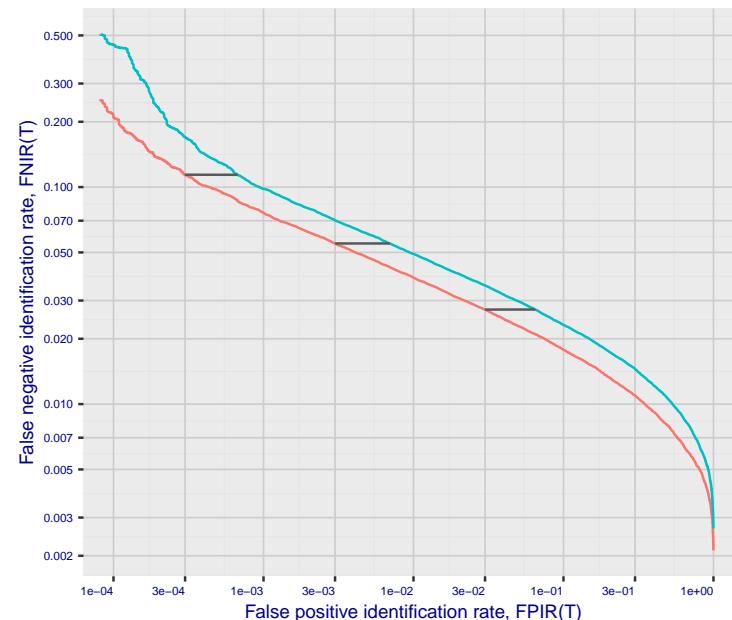
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

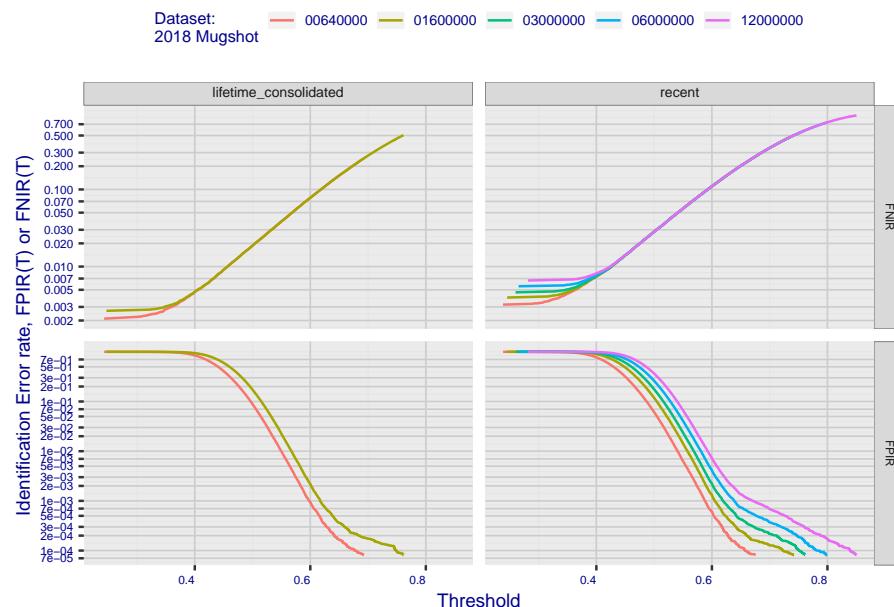


**Fig 4: DET for various N. Links connect points of equal threshold.**

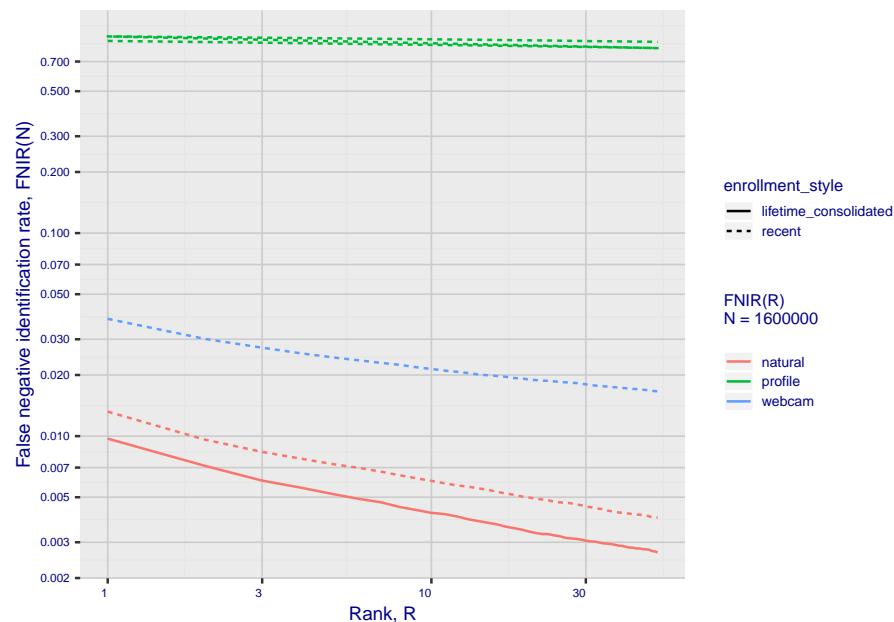


## 2. Report for algorithm anke\_0 2020-03-20 13:14:35

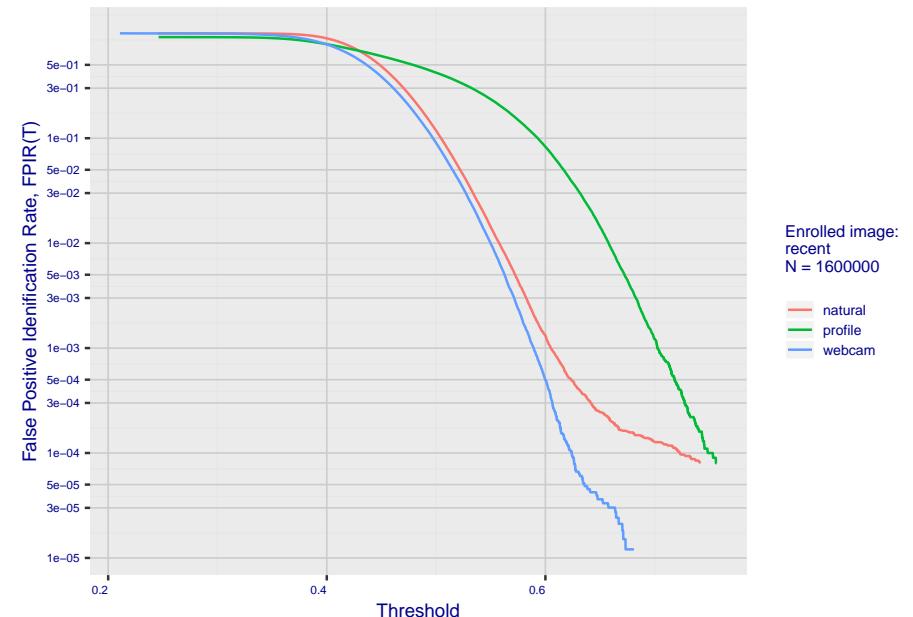
**Fig 5: Dependence on T by number enrolled identities**



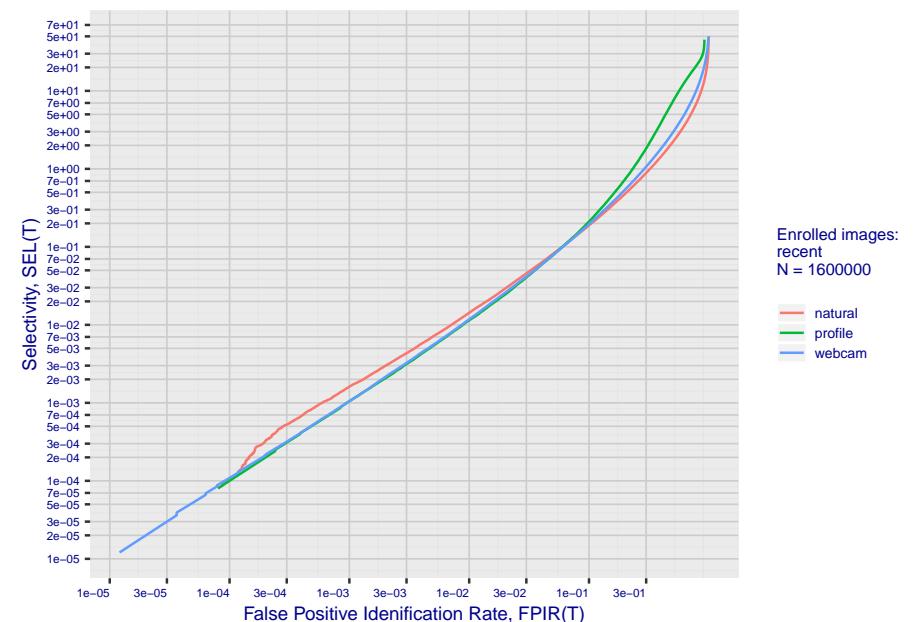
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

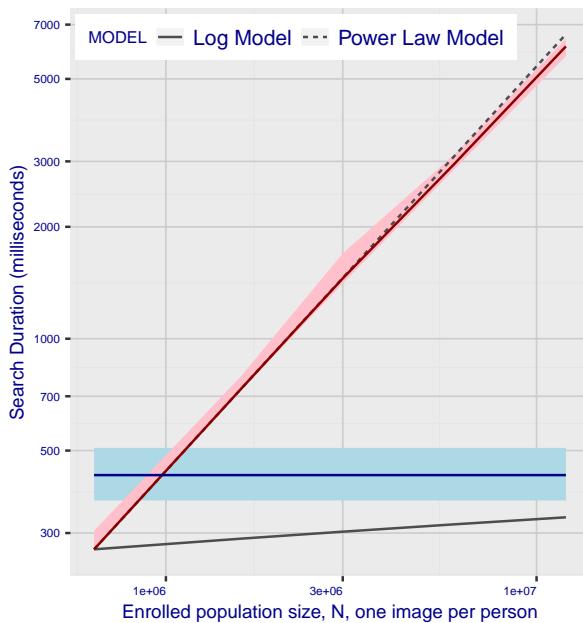


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm anke\_0 2020-03-20 13:14:35

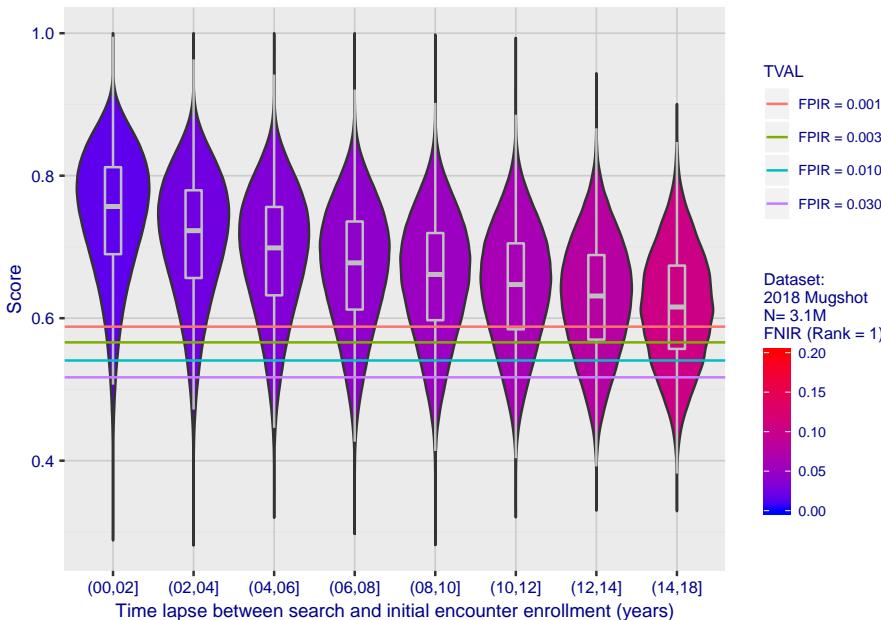
**Fig 10: Template duration; search duration vs. N**



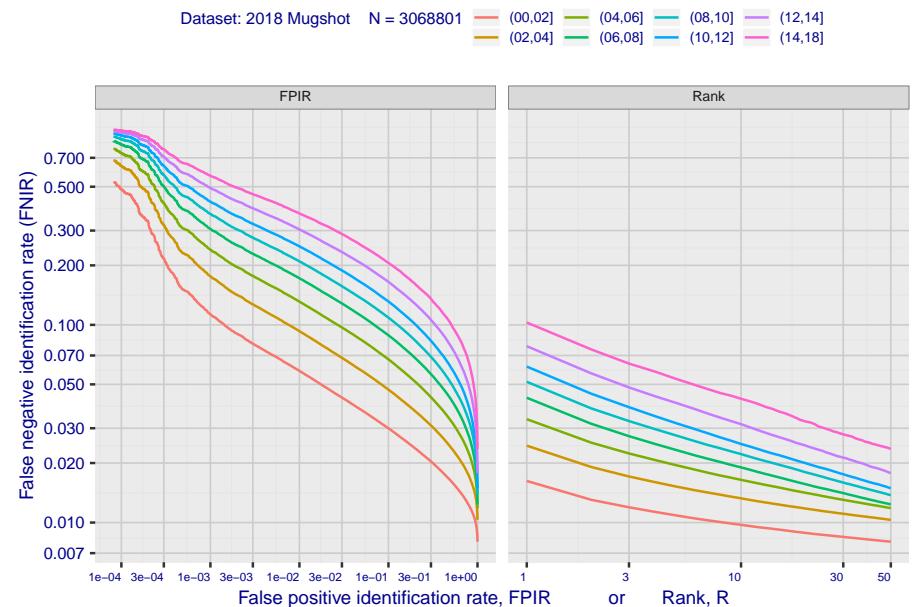
**Fig 11: Datasheet**

Algorithm: anke_0
Developer: Anke Investments
Submission Date: 2018_10_30
Template size: 2072 bytes
Template time (2.5 percentile): 367 msec
Template time (median): 430 msec
Template time (97.5 percentile): 508 msec
Investigation rank 117 -- FNIR(1600000, 0, 1) = 0.0132 vs. lowest 0.0010 from sensetime_003
Identification rank 114 -- FNIR(1600000, T, L+1) = 0.1169
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

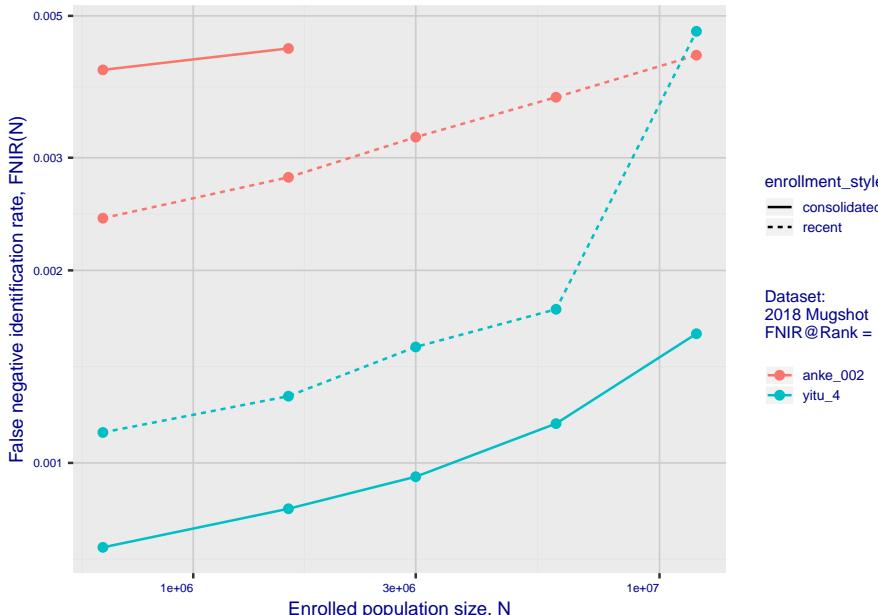


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

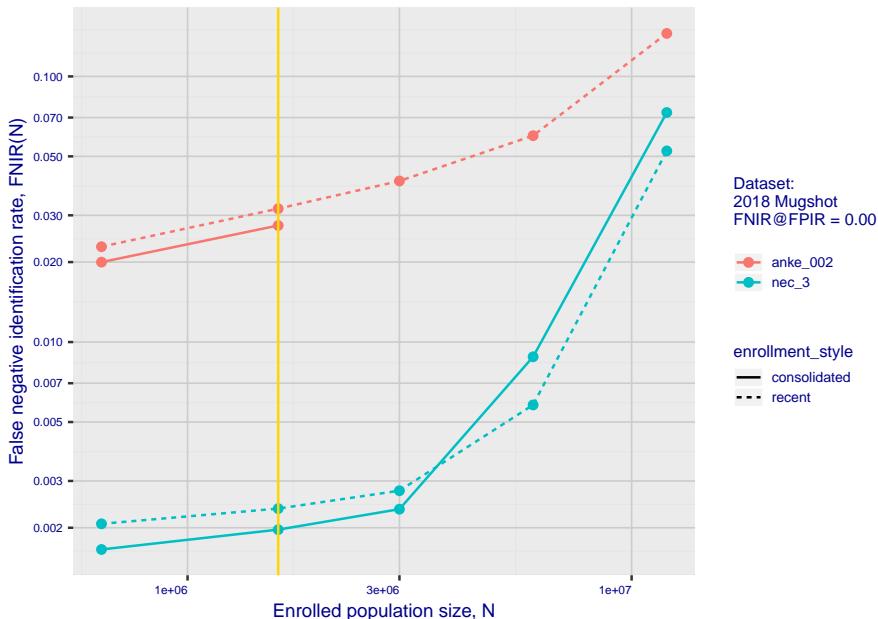


# 1. Report for algorithm anke\_002 2020-03-20 13:12:34

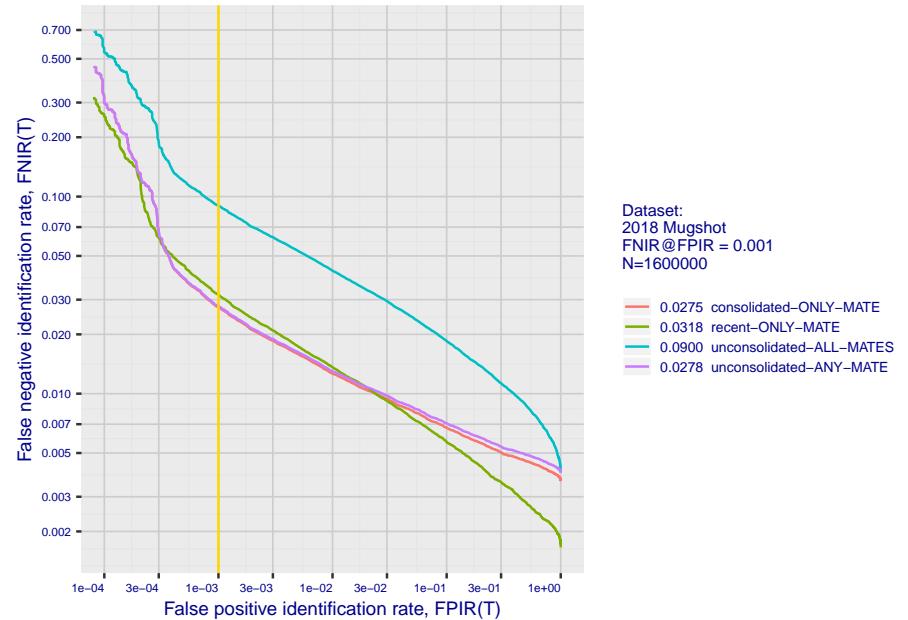
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



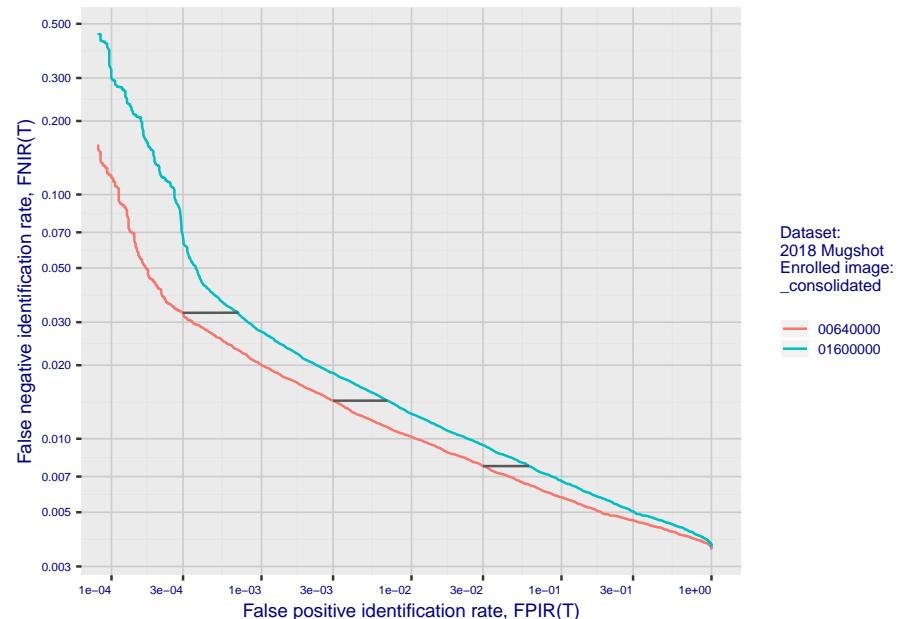
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

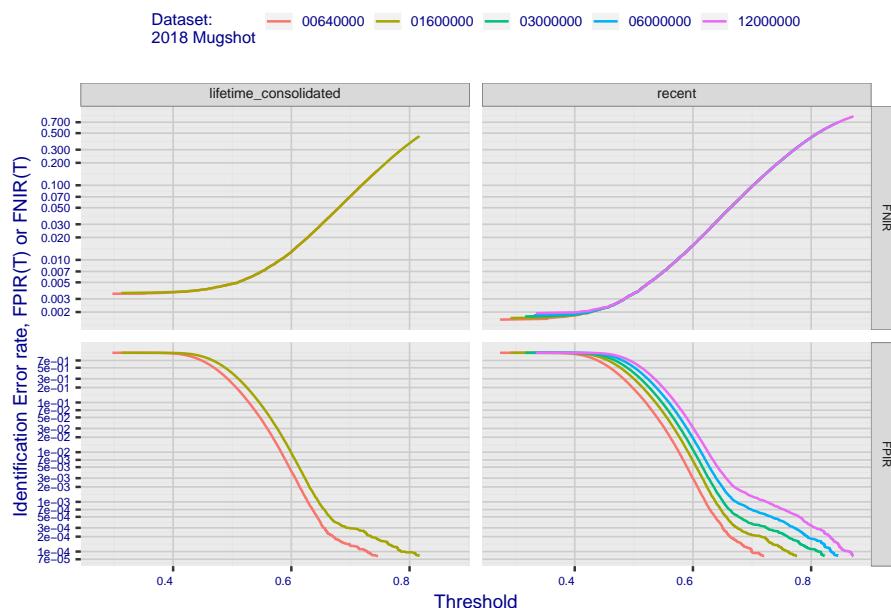


**Fig 4: DET for various N. Links connect points of equal threshold.**

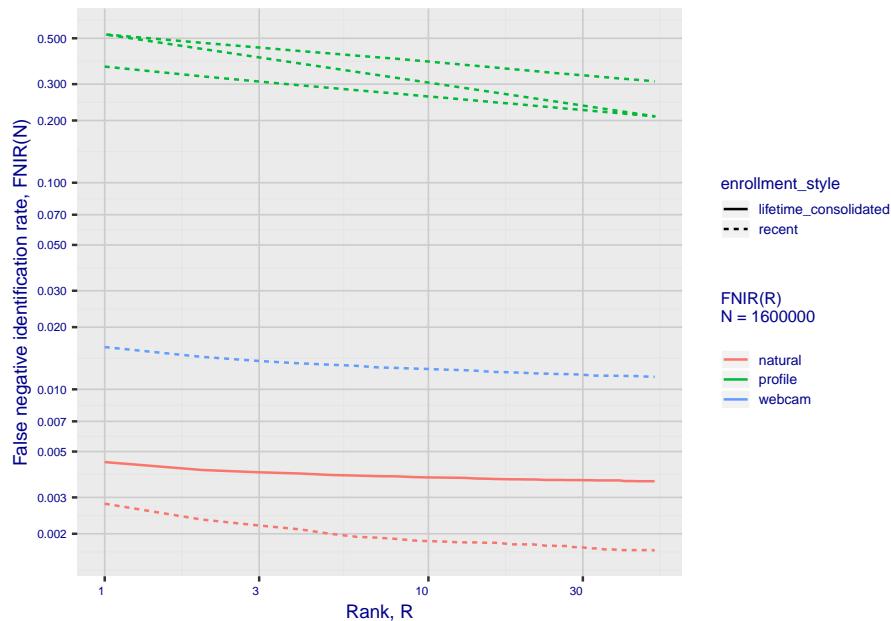


## 2. Report for algorithm anke\_002 2020-03-20 13:12:34

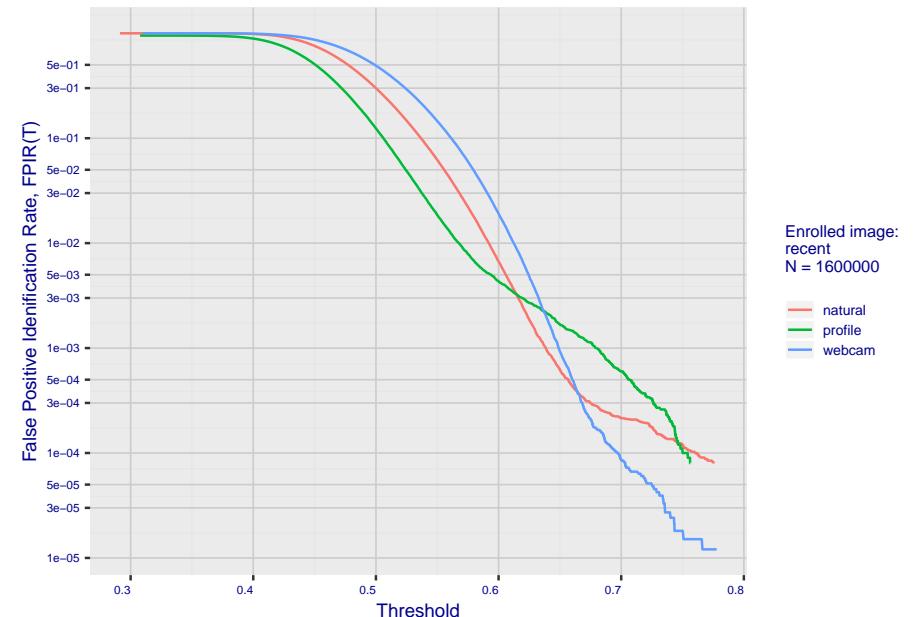
**Fig 5: Dependence on T by number enrolled identities**



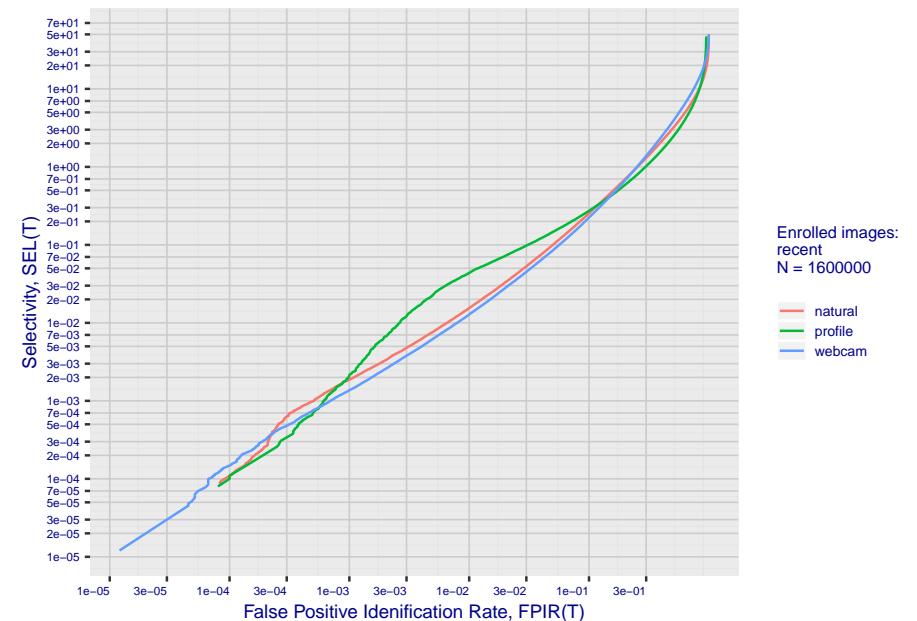
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm anke\_002 2020-03-20 13:12:34

Fig 10: Template duration; search duration vs. N

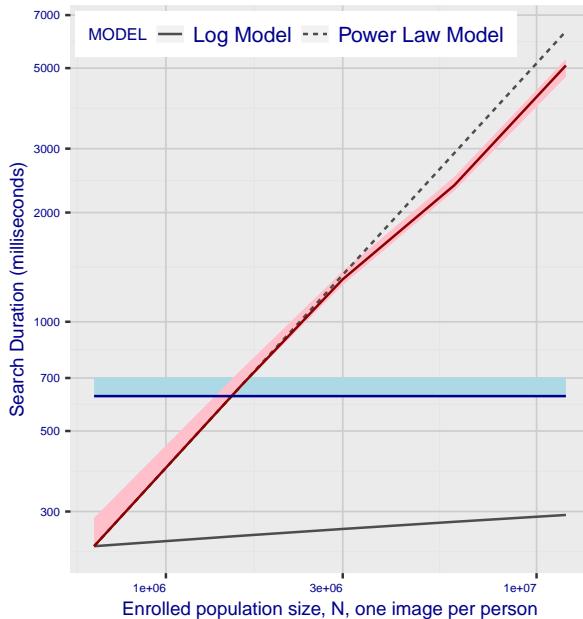
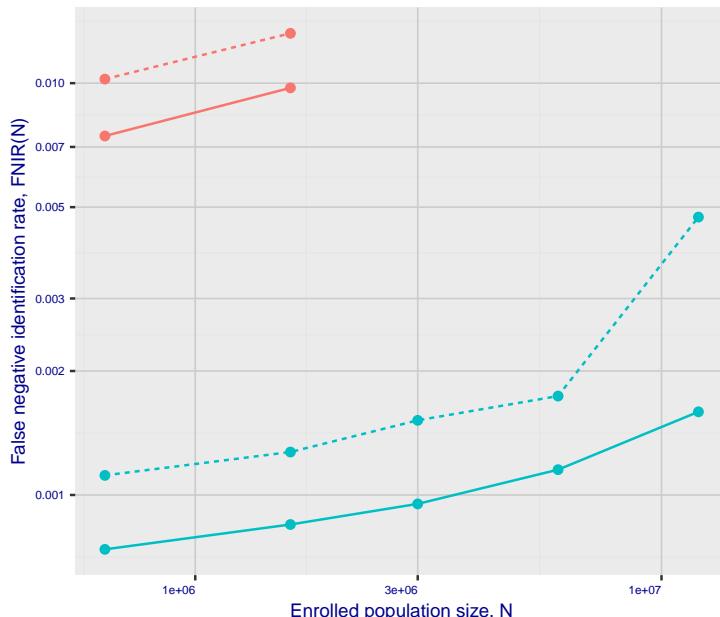


Fig 11: Datasheet

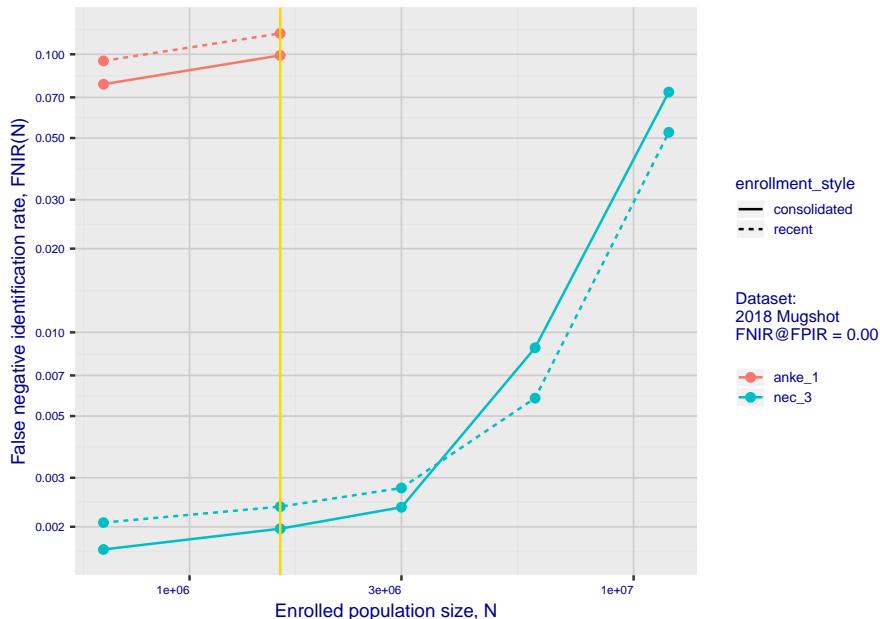
Algorithm:	anke_002
Developer:	Anke Investments
Submission Date:	2019_06_27
Template size:	2056 bytes
Template time (2.5 percentile):	622 msec
Template time (median):	624 msec
Template time (97.5 percentile):	703 msec
Investigation rank 29 --- FNIR(1600000, 0, 1) = 0.0028 vs. lowest 0.0010 from sensetime_003	
Identification rank 31 --- FNIR(1600000, T, L+1) = 0.0318	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm anke\_1 2020-03-20 13:12:34

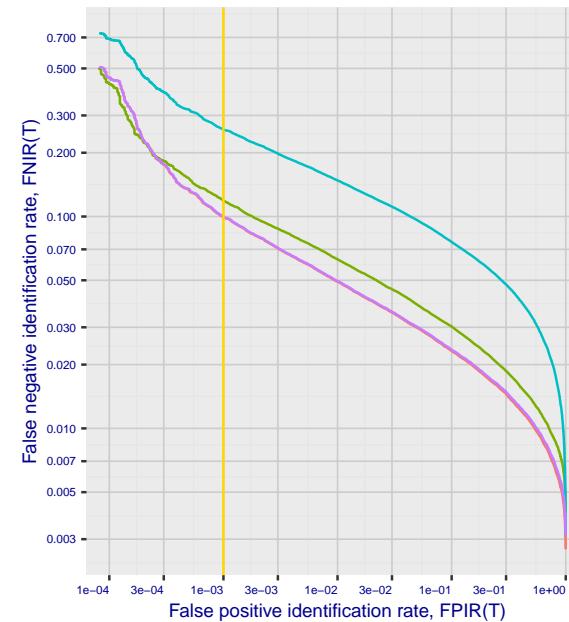
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



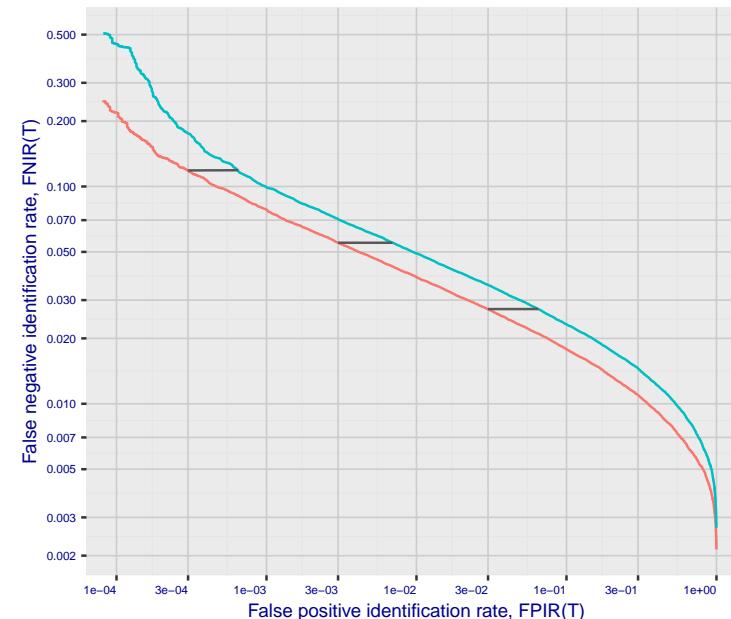
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

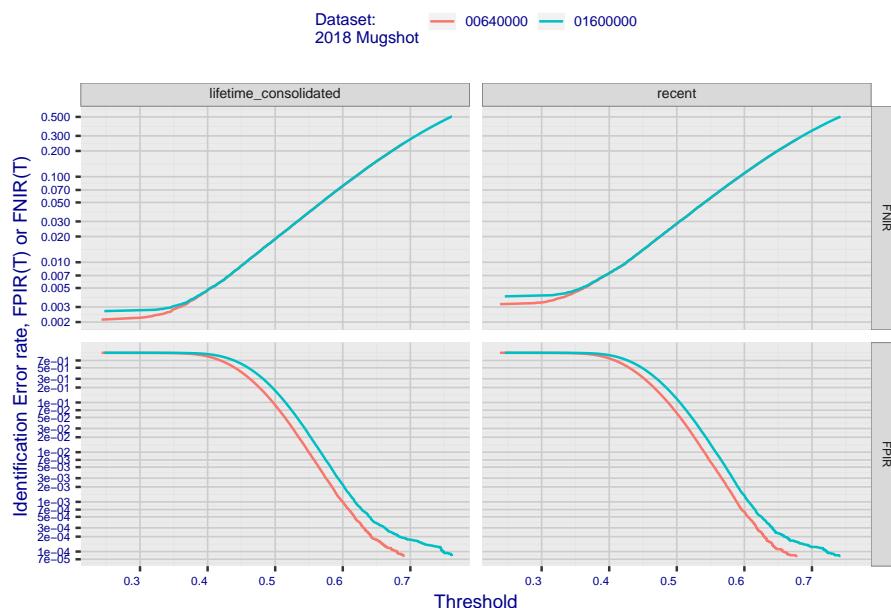


**Fig 4: DET for various N. Links connect points of equal threshold.**

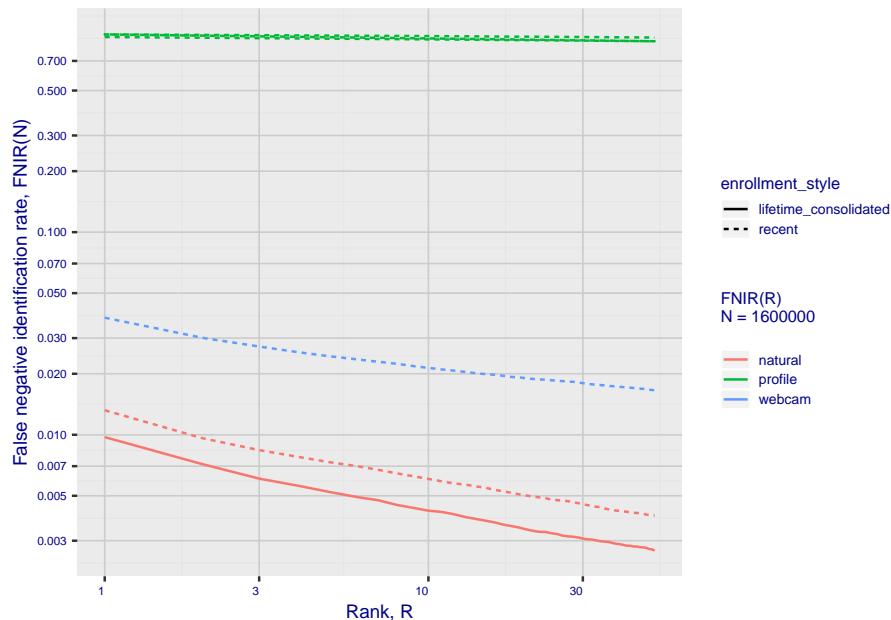


## 2. Report for algorithm anke\_1 2020-03-20 13:12:34

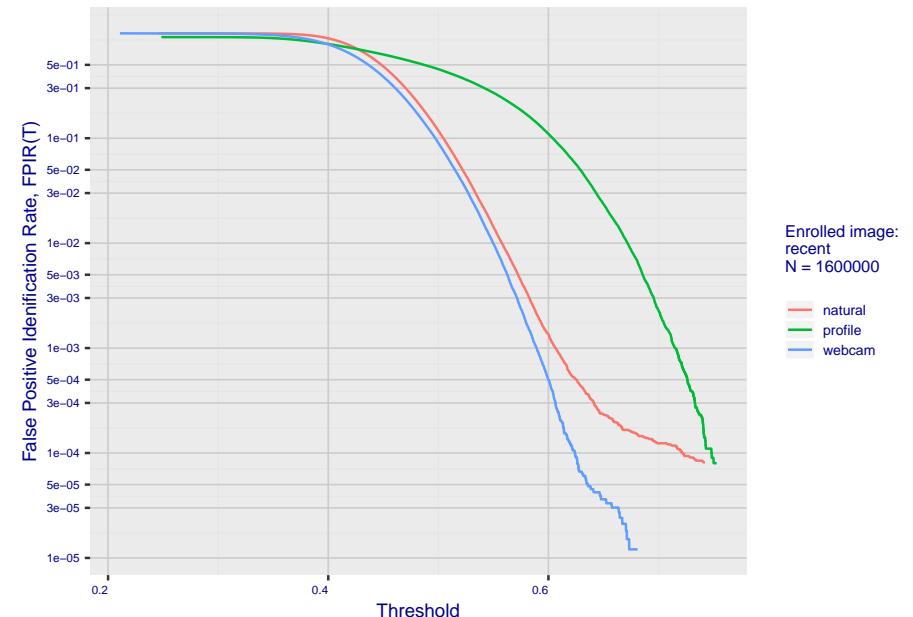
**Fig 5: Dependence on T by number enrolled identities**



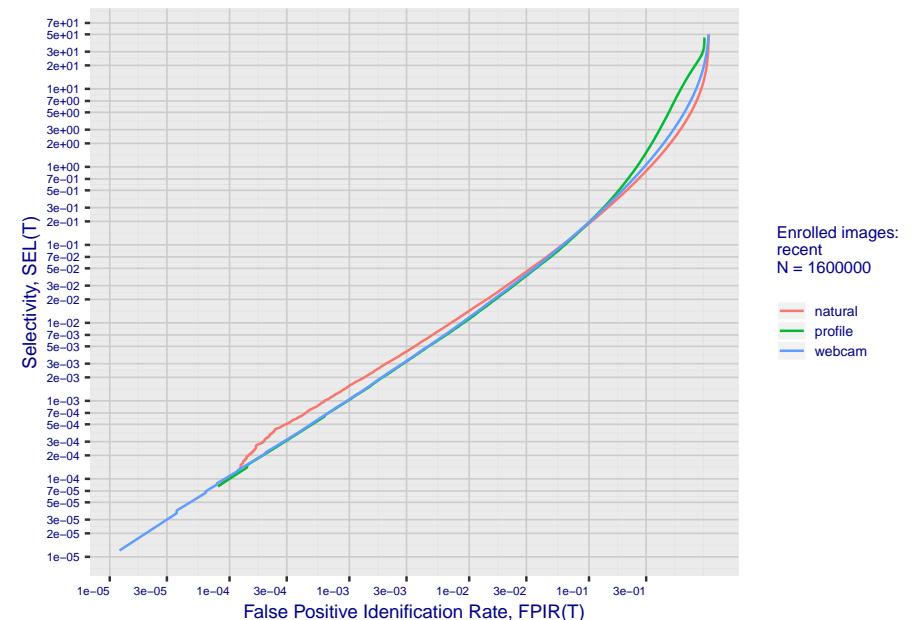
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

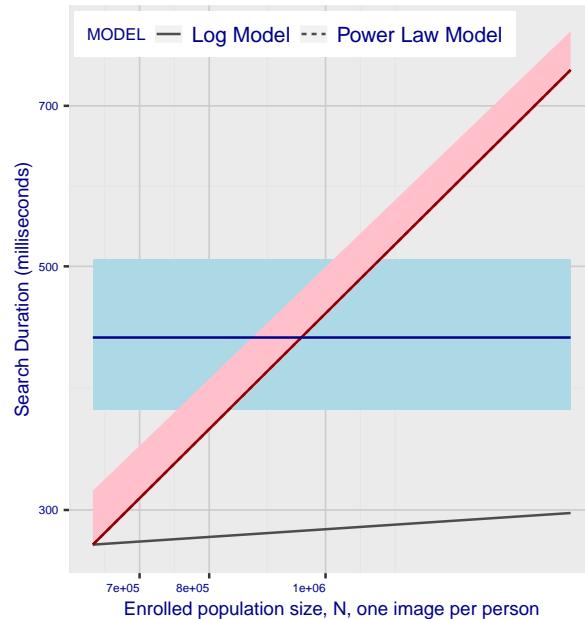


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm anke\_1 2020-03-20 13:12:34**

**Fig 10: Template duration; search duration vs. N**

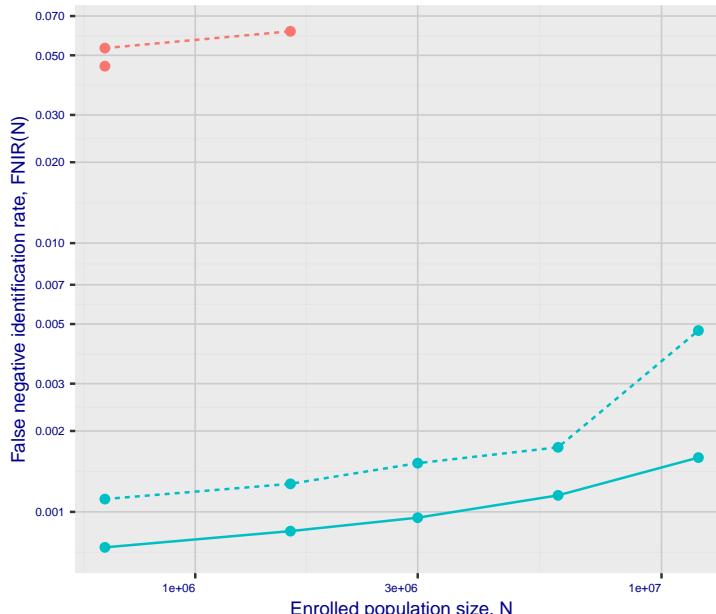


**Fig 11: Datasheet**

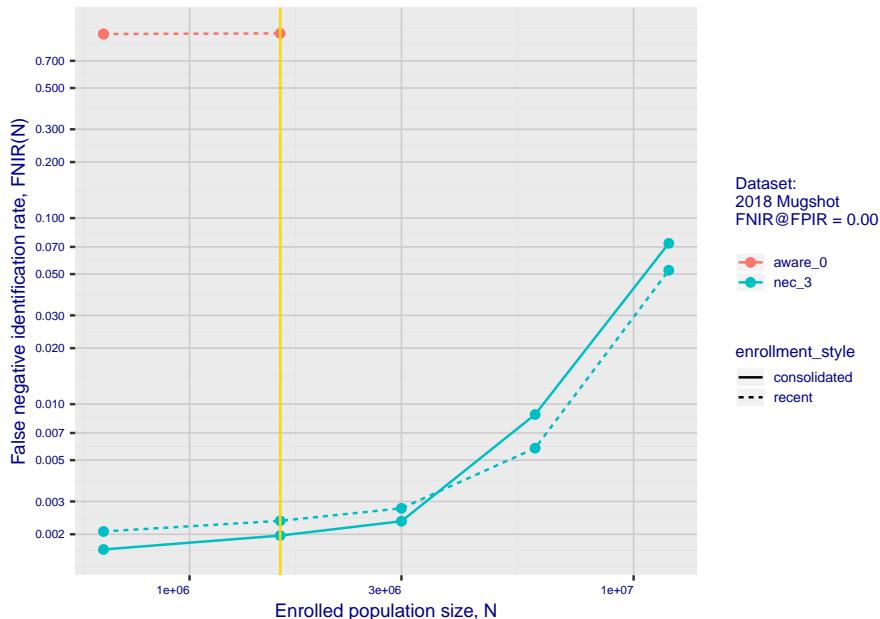
Algorithm: anke_1
Developer: Anke Investments
Submission Date: 2018_10_30
Template size: 2072 bytes
Template time (2.5 percentile): 370 msec
Template time (median): 431 msec
Template time (97.5 percentile): 507 msec
Investigation rank 118 -- FNIR(160000, 0, 1) = 0.0132 vs. lowest 0.0010 from sensetime_003
Identification rank 120 -- FNIR(160000, T, L+1) = 0.1189
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm aware\_0 2020-03-20 13:12:34

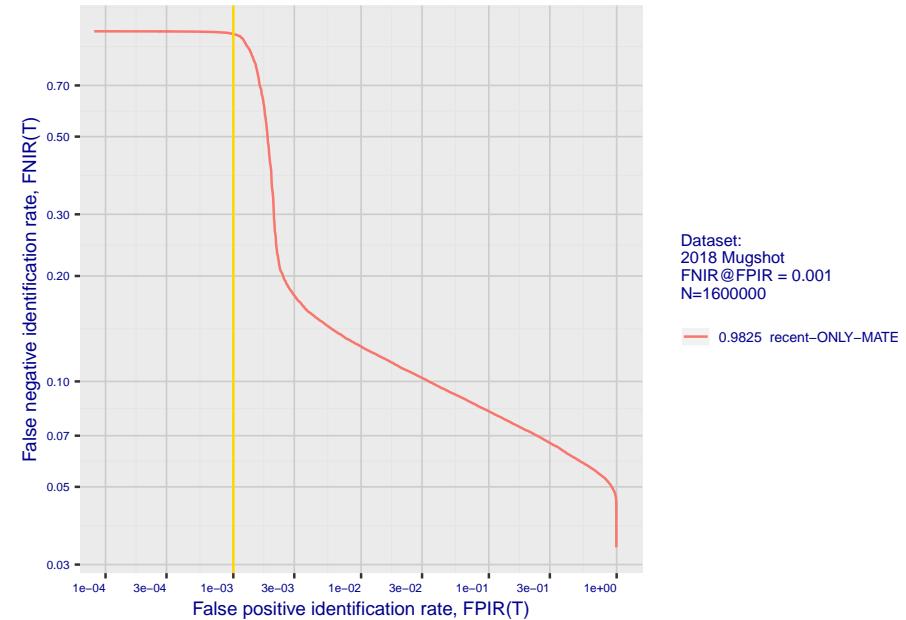
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



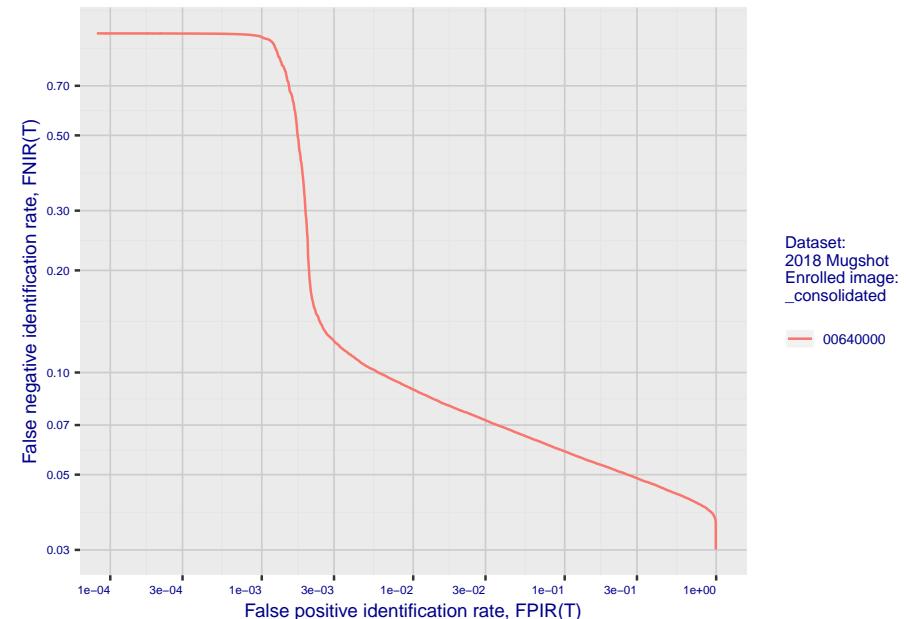
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

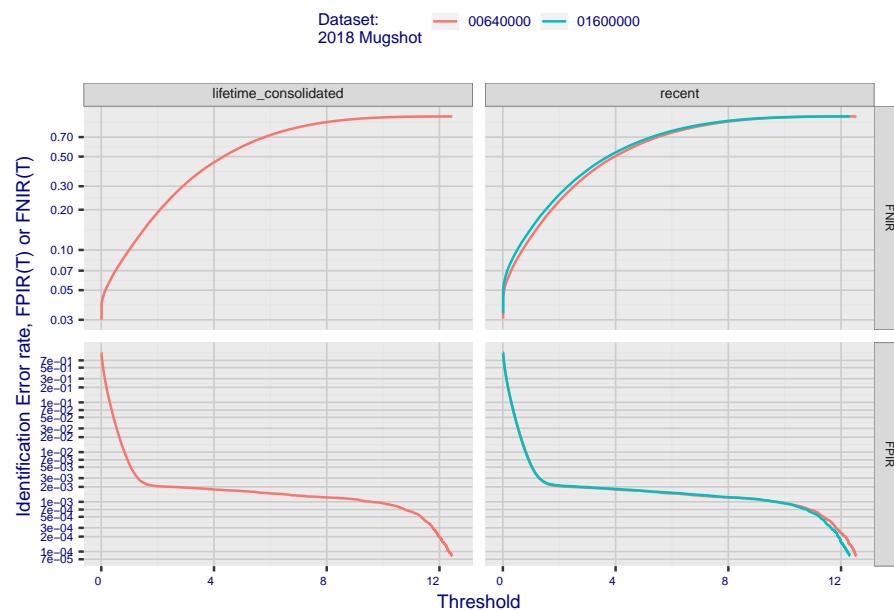


**Fig 4: DET for various N. Links connect points of equal threshold.**

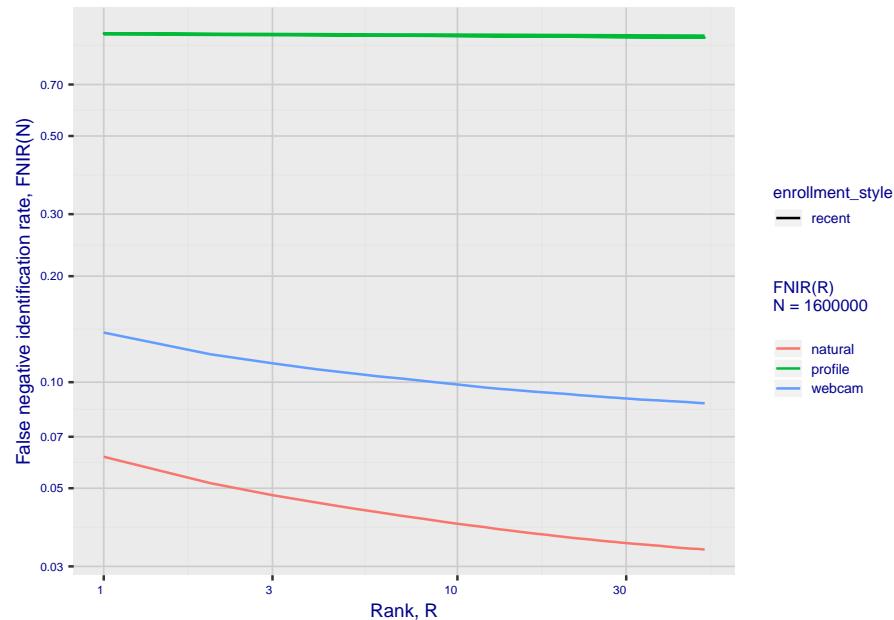


## 2. Report for algorithm aware\_0 2020-03-20 13:12:34

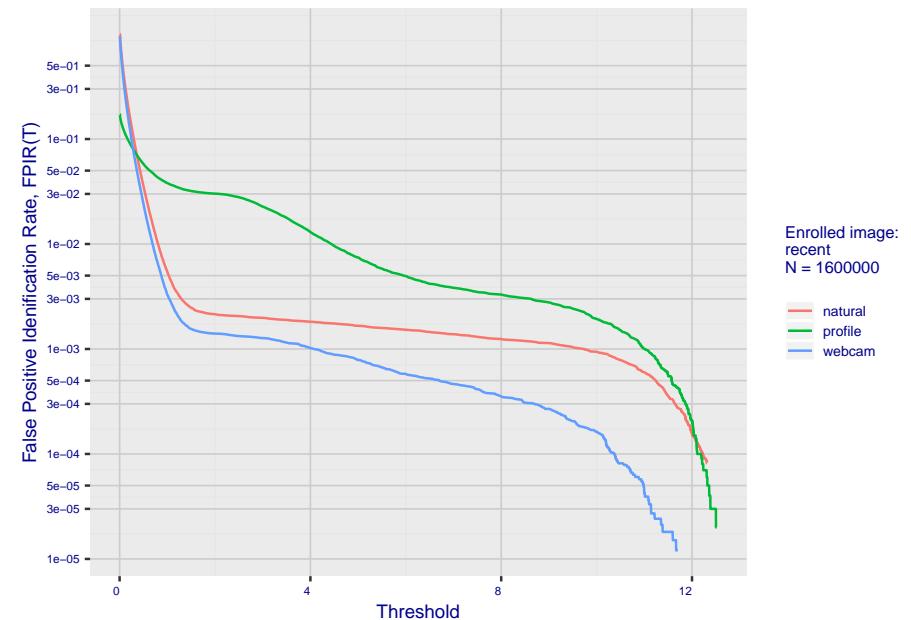
**Fig 5: Dependence on T by number enrolled identities**



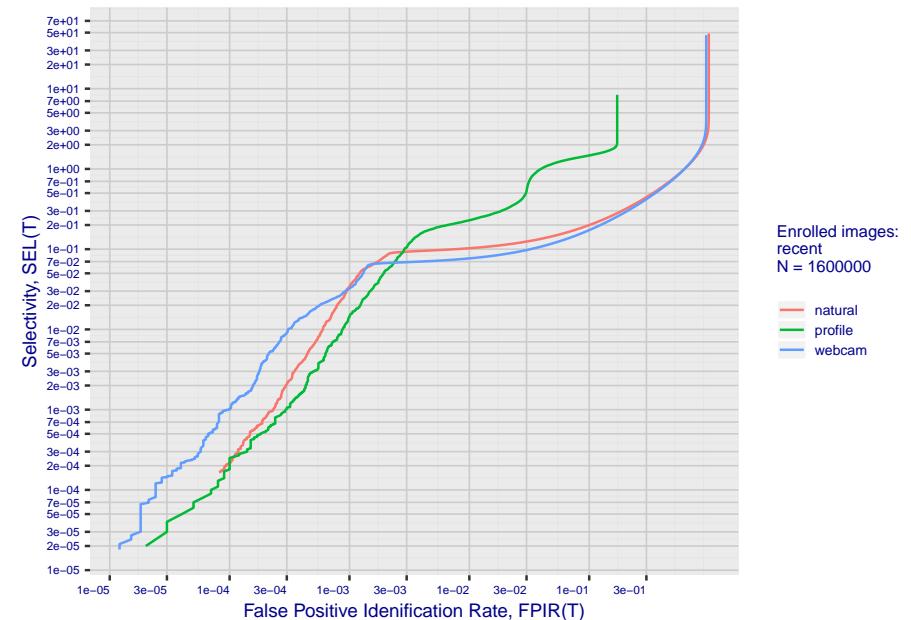
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm aware\_0 2020-03-20 13:12:34

Fig 10: Template duration; search duration vs. N

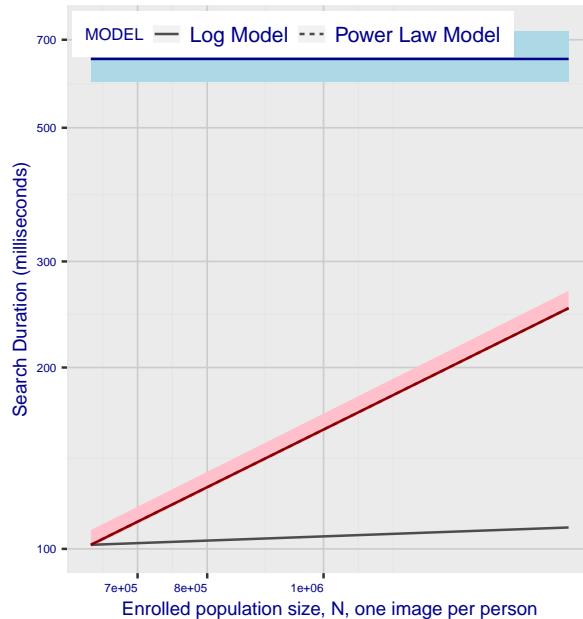
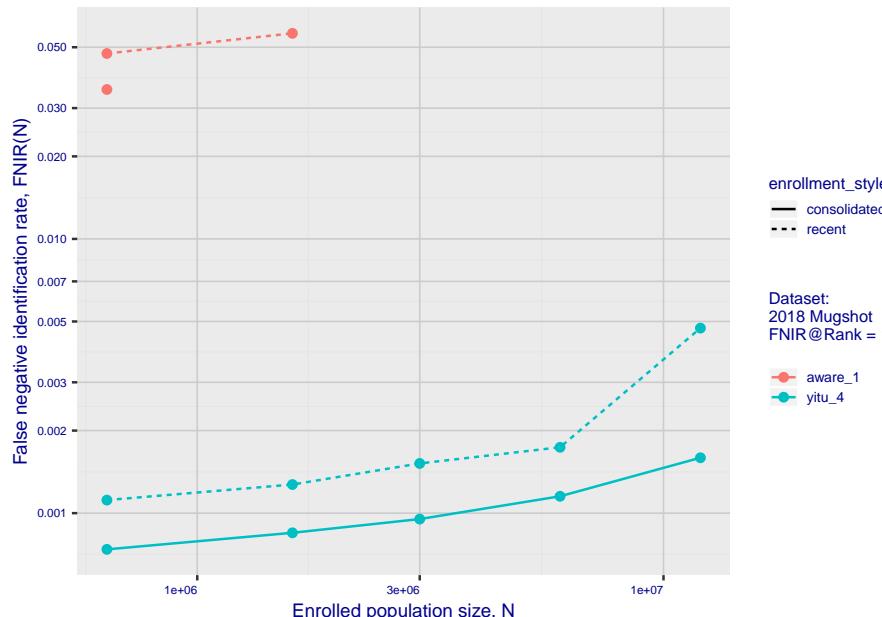


Fig 11: Datasheet

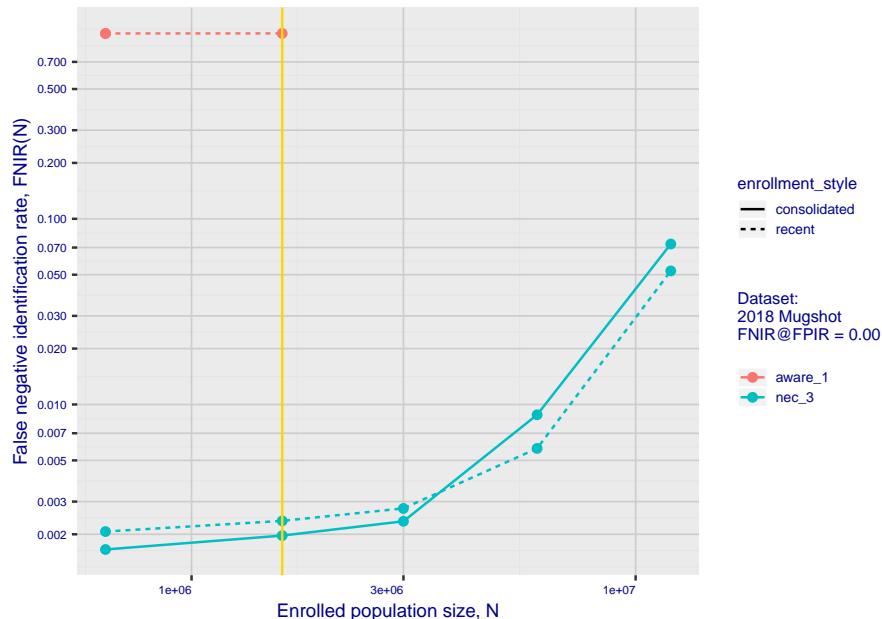
Algorithm:	aware_0
Developer:	Aware
Submission Date:	2018_02_16
Template size:	1564 bytes
Template time (2.5 percentile):	597 msec
Template time (median):	650 msec
Template time (97.5 percentile):	723 msec
Investigation rank 179 -- FNIR(160000, 0, 1) = 0.0614 vs. lowest 0.0010 from sensetime_003	
Identification rank 228 -- FNIR(160000, T, L+1) = 0.9825	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm aware\_1 2020-03-20 13:12:34

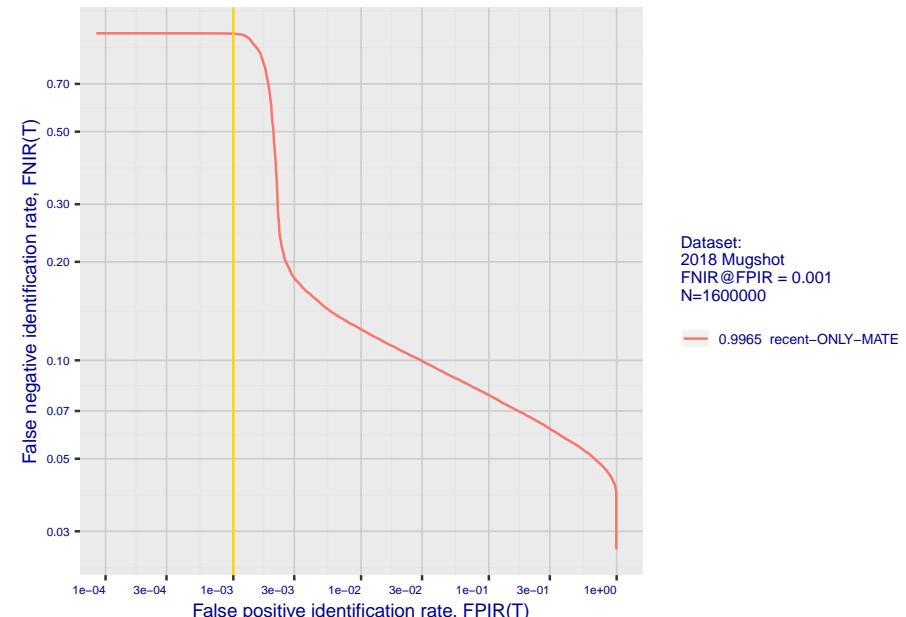
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



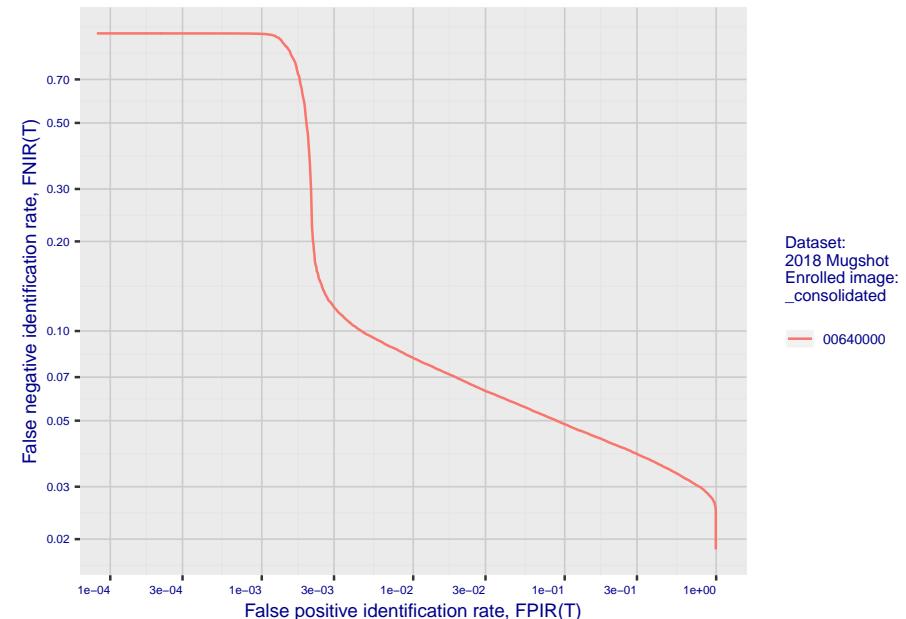
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

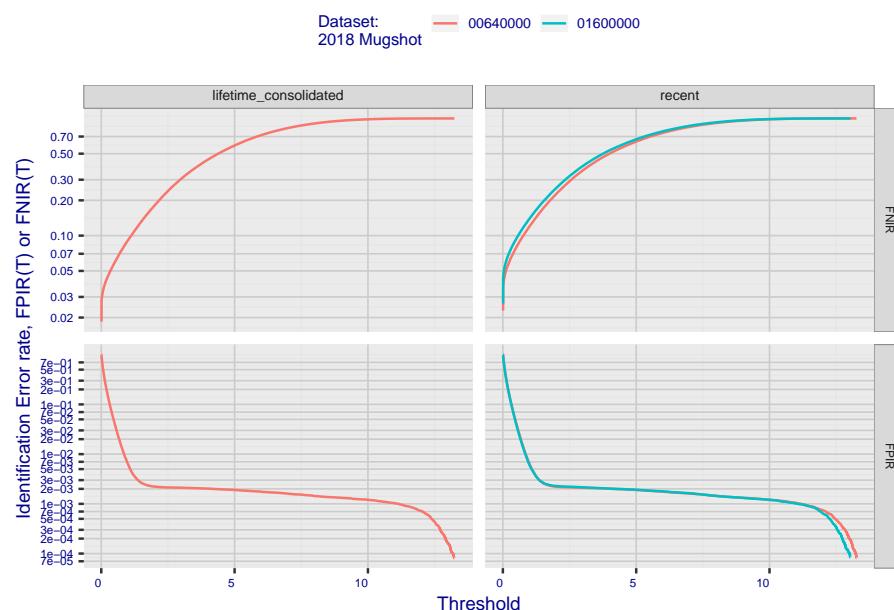


**Fig 4: DET for various N. Links connect points of equal threshold.**

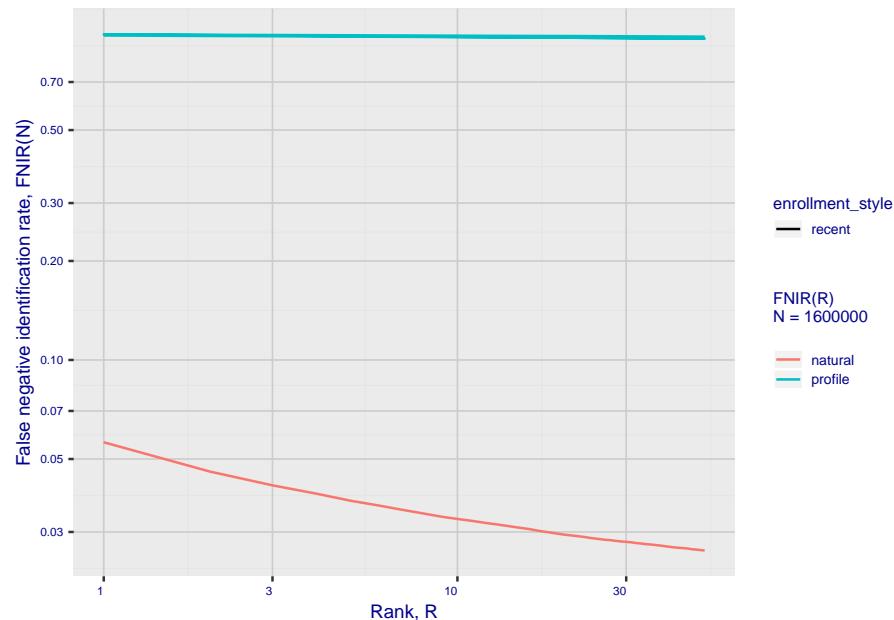


## 2. Report for algorithm aware\_1 2020-03-20 13:12:34

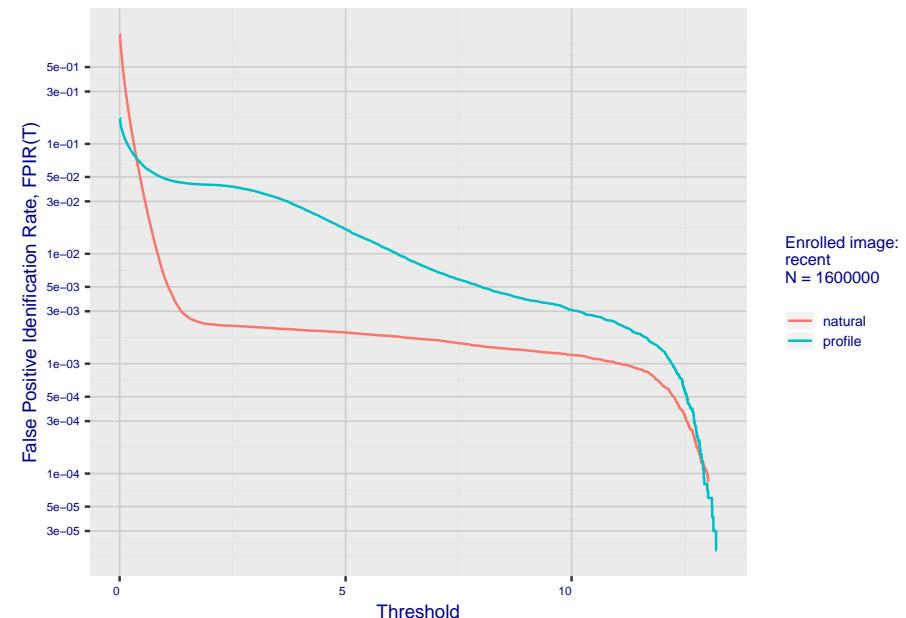
**Fig 5: Dependence on T by number enrolled identities**



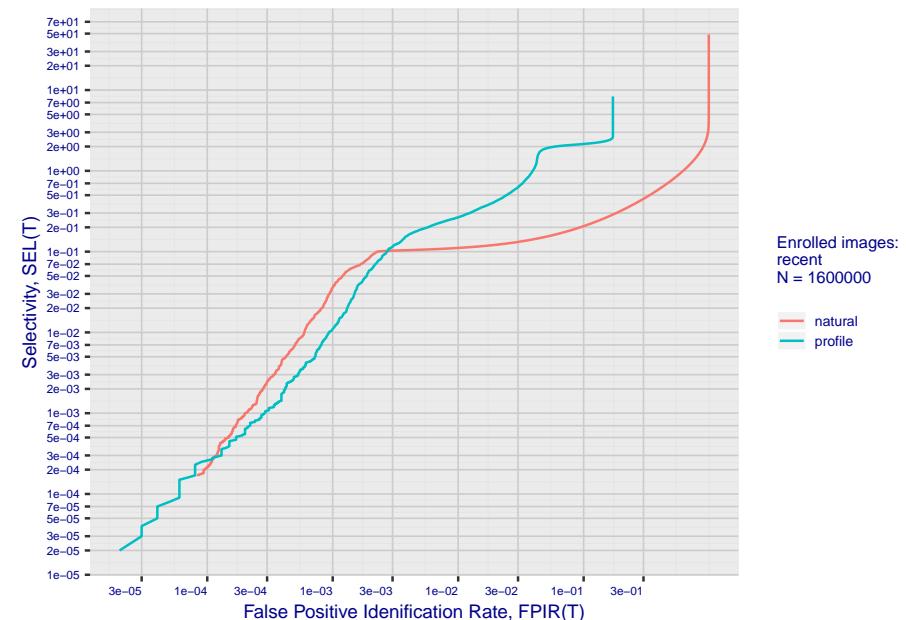
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm aware\_1 2020-03-20 13:12:34

Fig 10: Template duration; search duration vs. N

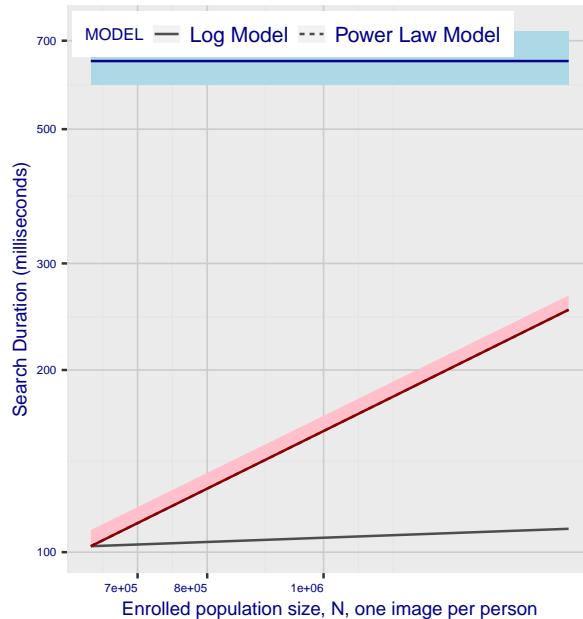
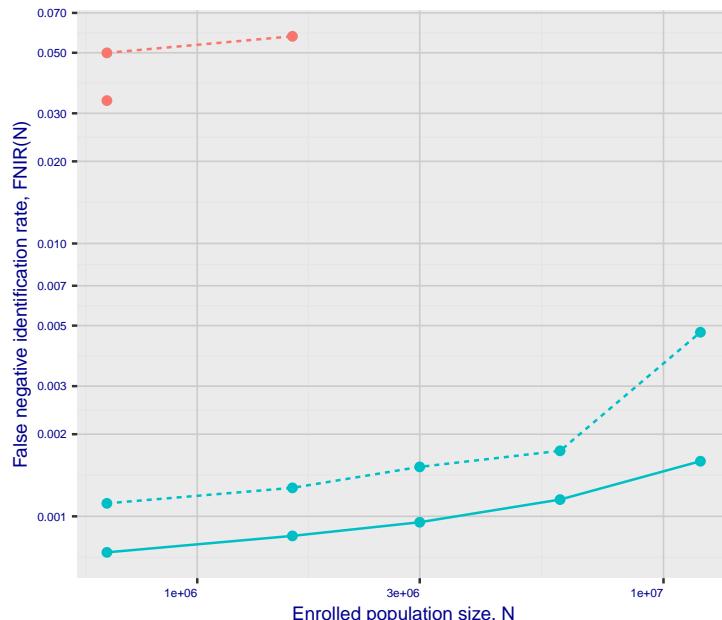


Fig 11: Datasheet

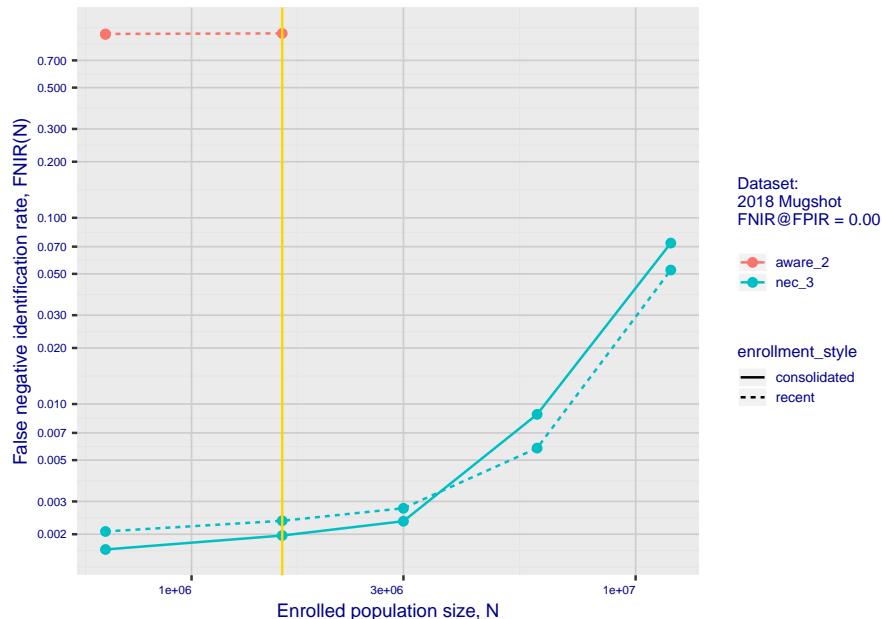
Algorithm:	aware_1
Developer:	Aware
Submission Date:	2018_02_16
Template size:	1564 bytes
Template time (2.5 percentile):	592 msec
Template time (median):	648 msec
Template time (97.5 percentile):	726 msec
Investigation rank 176 -- FNIR(160000, 0, 1) = 0.0562 vs. lowest 0.0010 from sensetime_003	
Identification rank 229 -- FNIR(160000, T, L+1) = 0.9965	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm aware\_2 2020-03-20 13:12:34

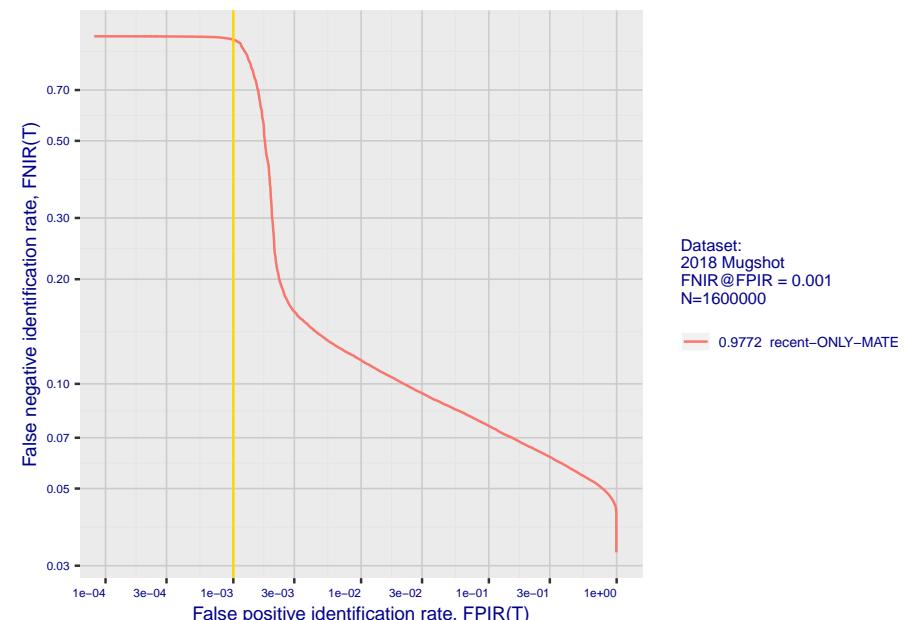
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



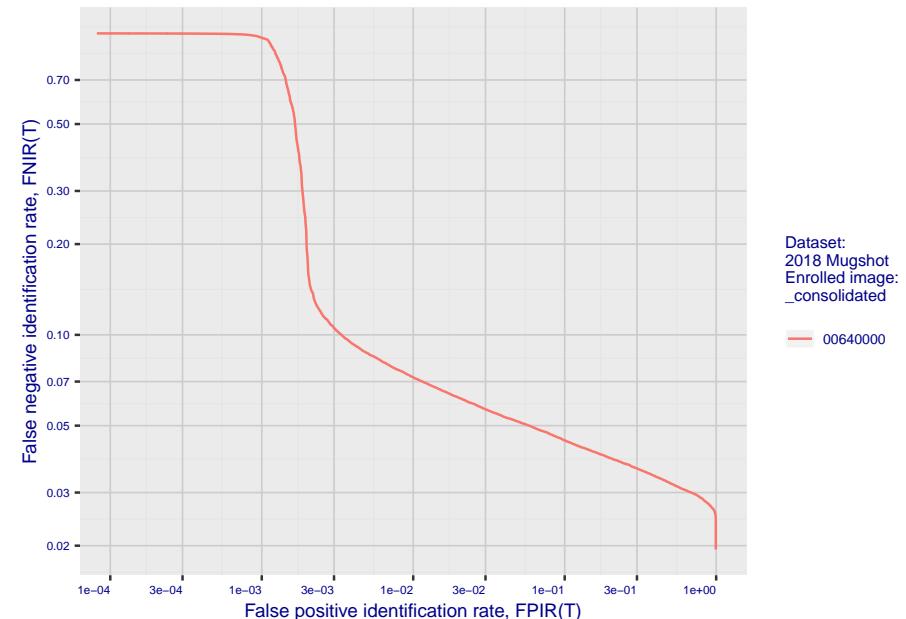
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

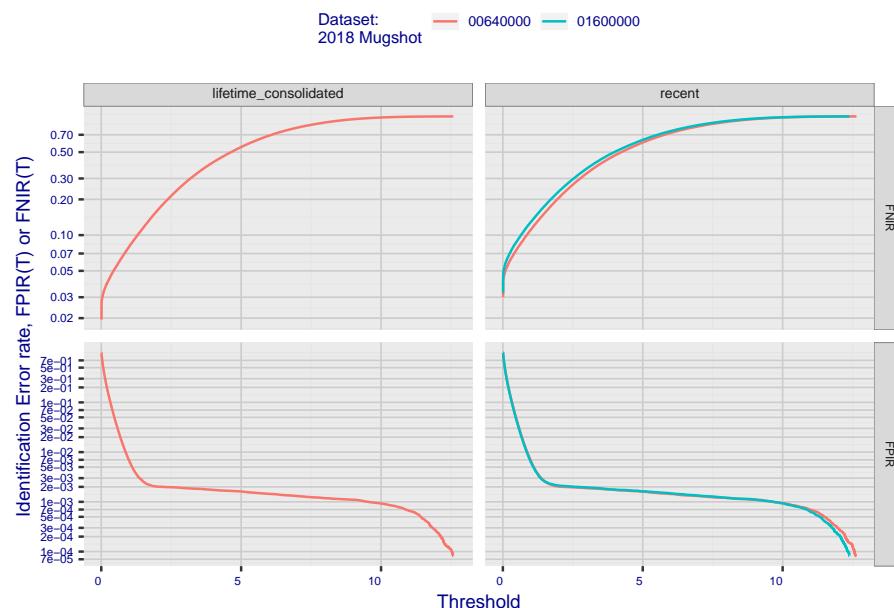


**Fig 4: DET for various N. Links connect points of equal threshold.**

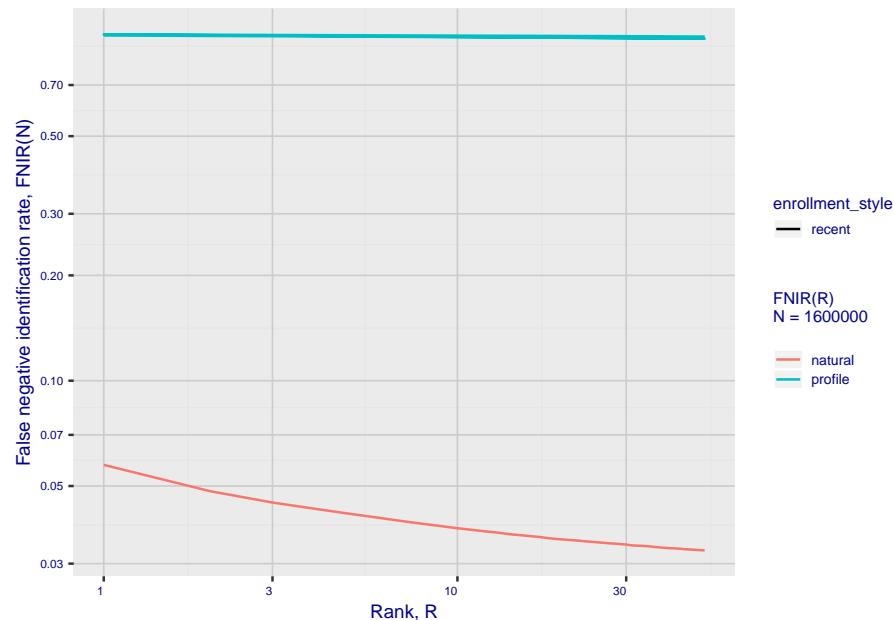


## 2. Report for algorithm aware\_2 2020-03-20 13:12:34

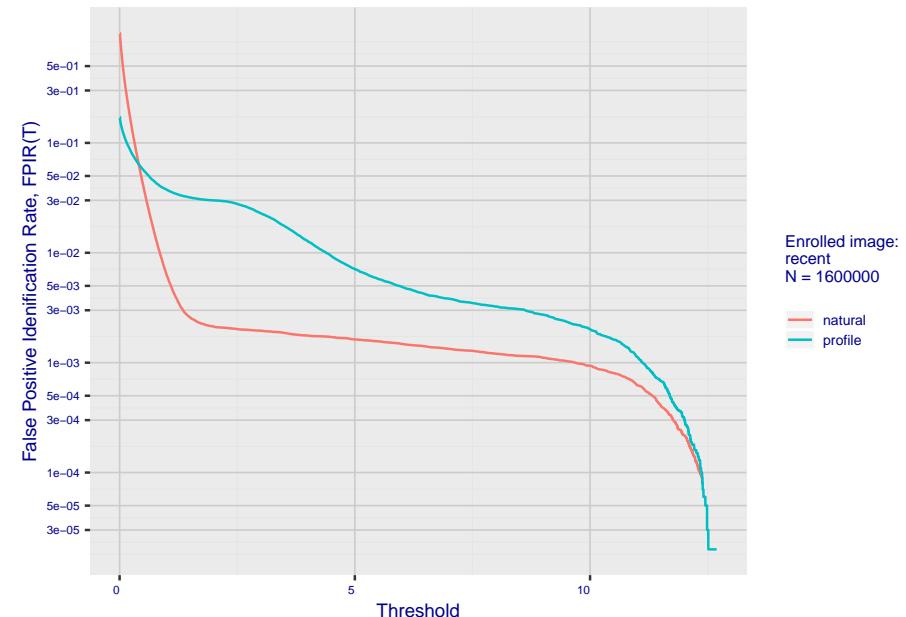
**Fig 5: Dependence on T by number enrolled identities**



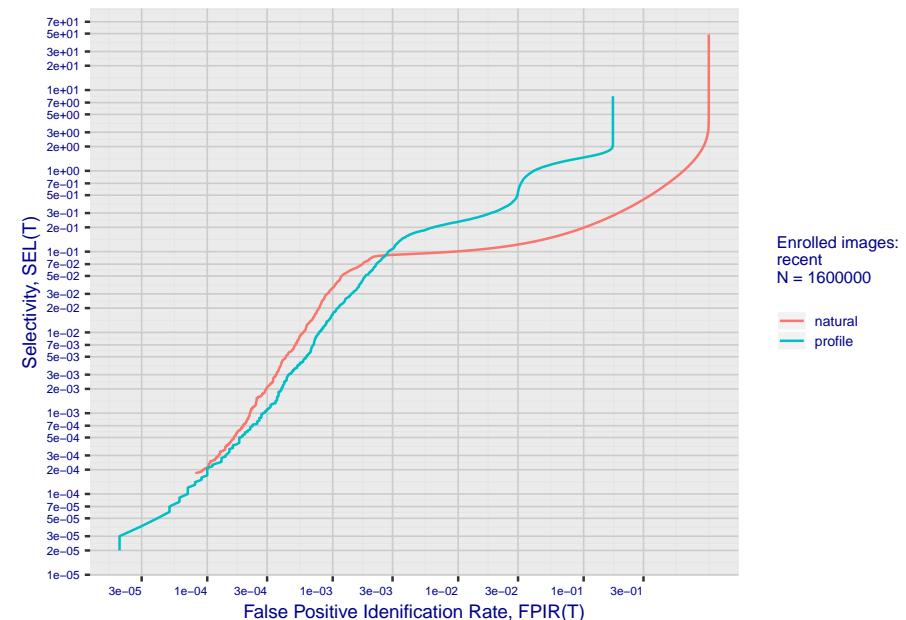
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm aware\_2 2020-03-20 13:12:34

Fig 10: Template duration; search duration vs. N

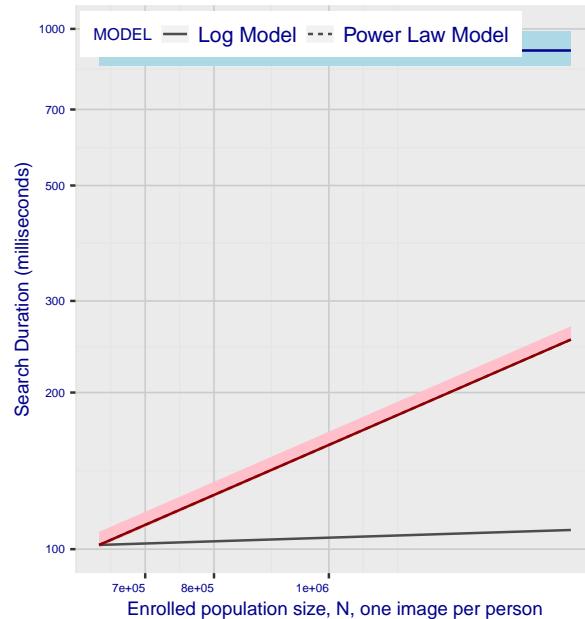
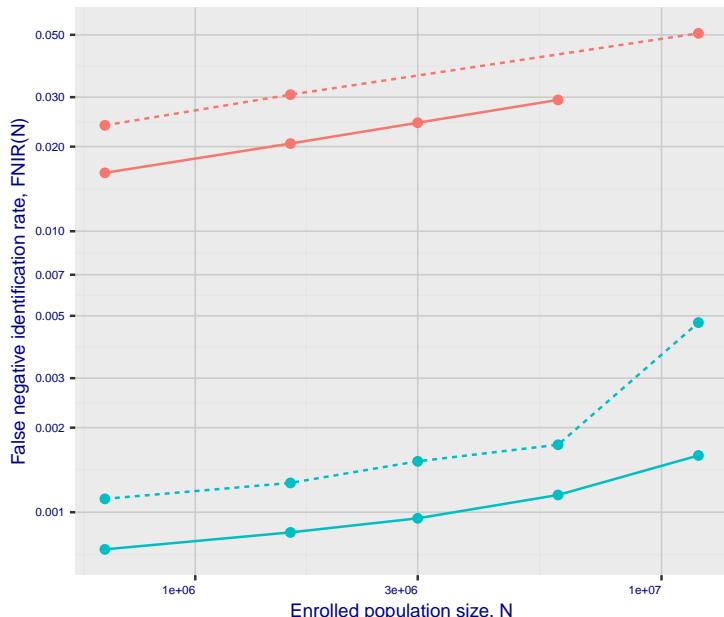


Fig 11: Datasheet

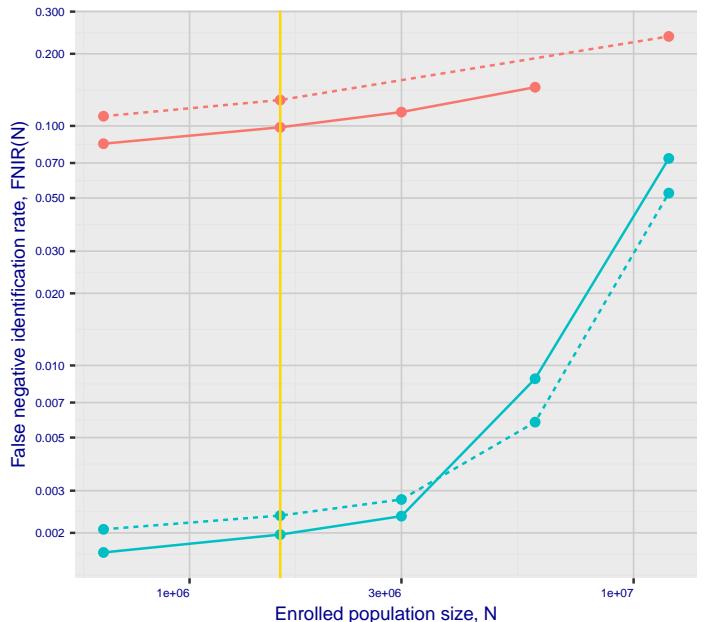
Algorithm:	aware_2
Developer:	Aware
Submission Date:	2018_02_16
Template size:	2076 bytes
Template time (2.5 percentile):	848 msec
Template time (median):	909 msec
Template time (97.5 percentile):	989 msec
Investigation rank 177 -- FNIR(160000, 0, 1) = 0.0575 vs. lowest 0.0010 from sen	
Identification rank 226 -- FNIR(160000, T, L+1) = 0.9772	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm aware\_3 2020-03-20 13:12:33

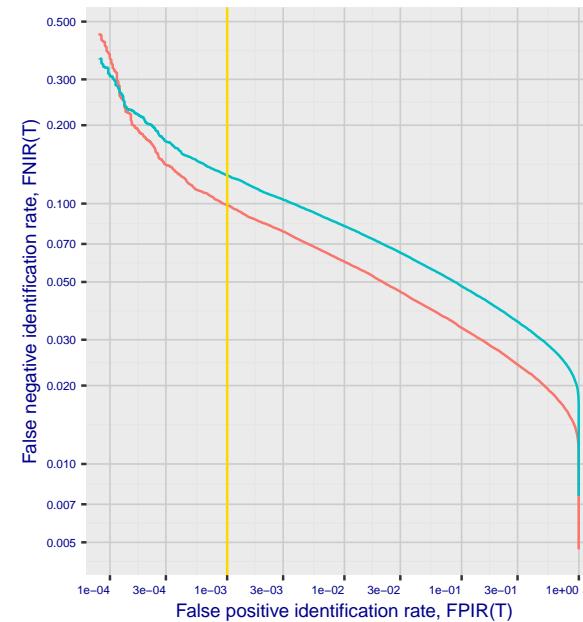
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



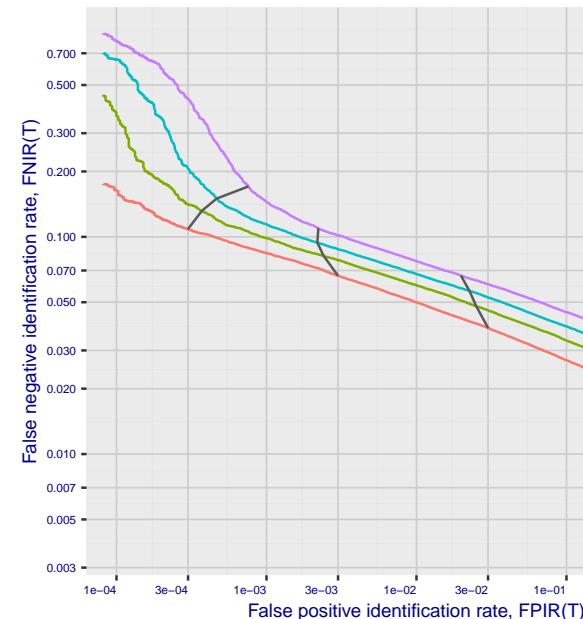
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

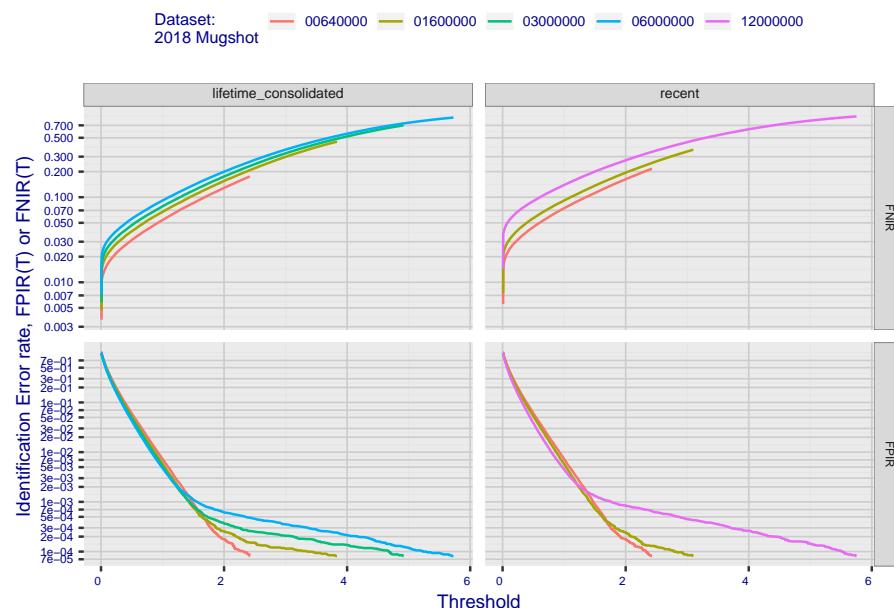


**Fig 4: DET for various N. Links connect points of equal threshold.**

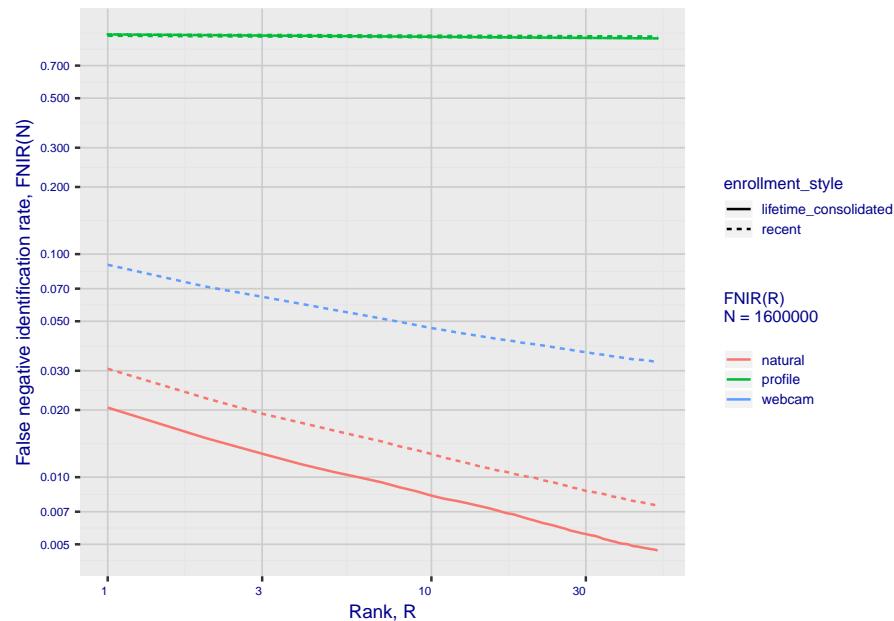


## 2. Report for algorithm aware\_3 2020-03-20 13:12:33

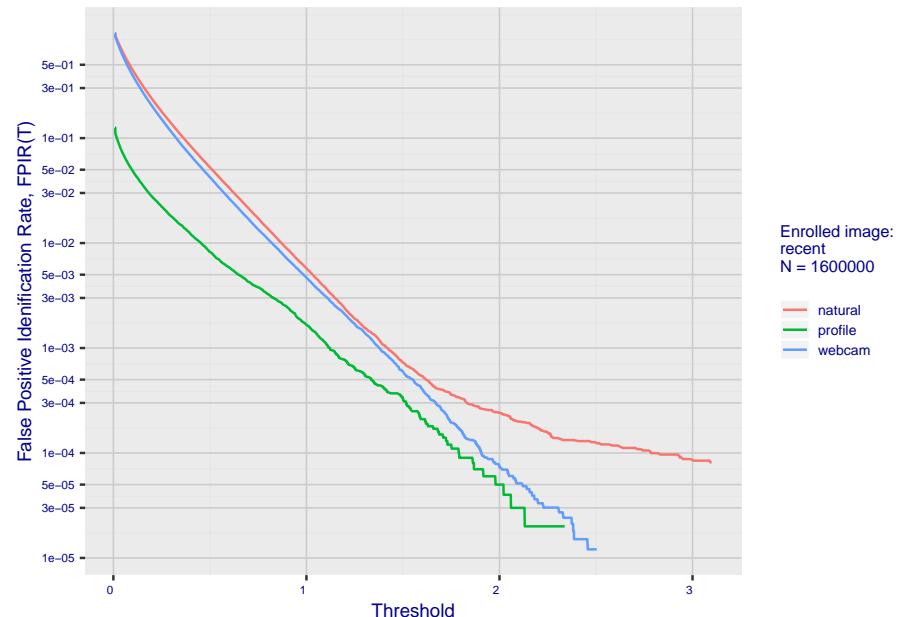
**Fig 5: Dependence on T by number enrolled identities**



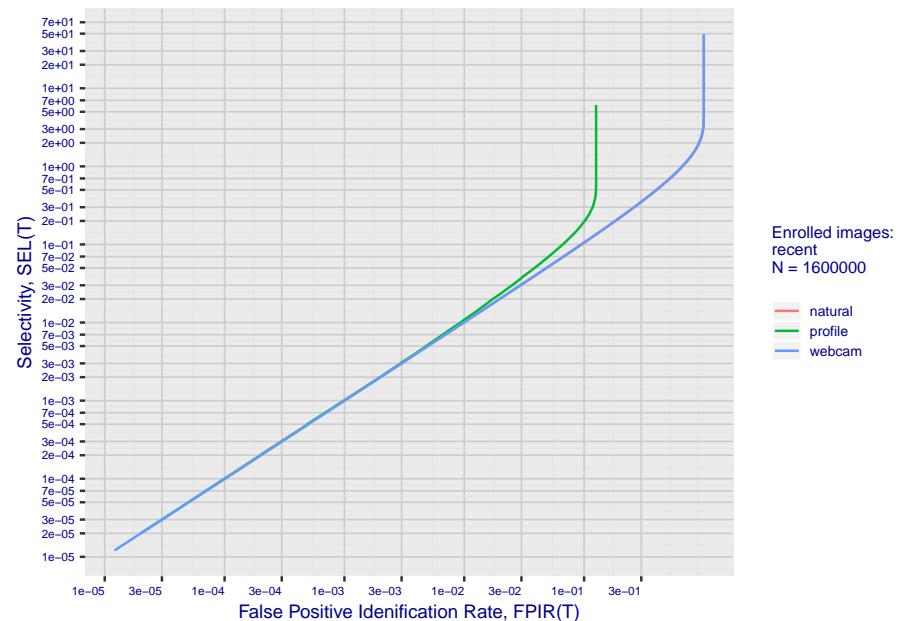
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm aware\_3 2020-03-20 13:12:33

Fig 10: Template duration; search duration vs. N

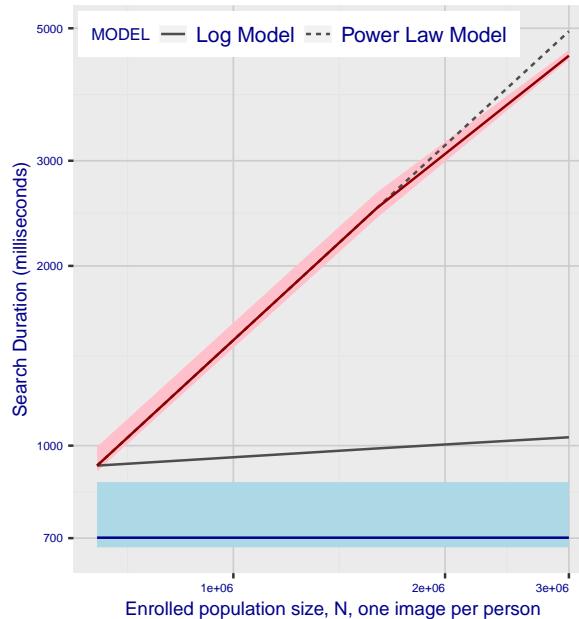
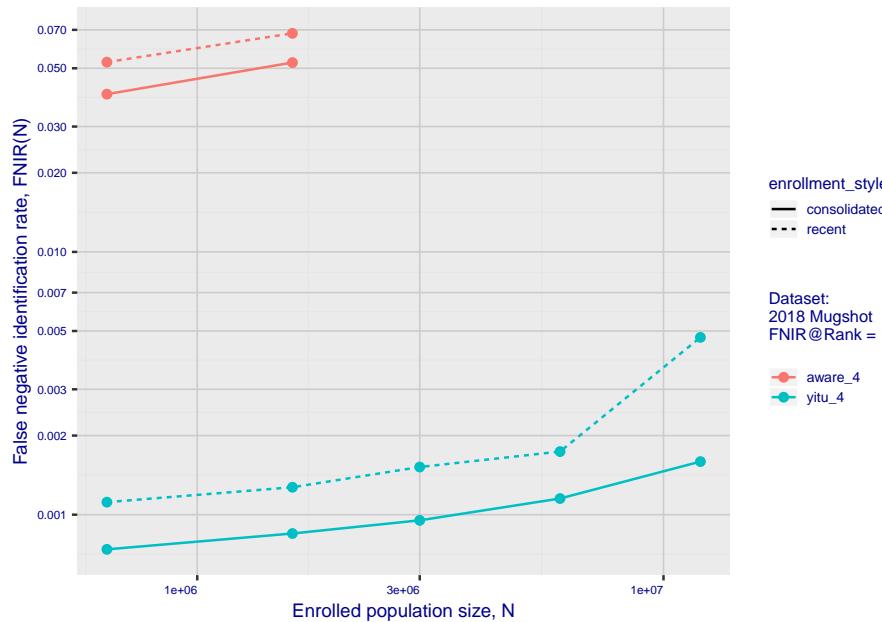


Fig 11: Datasheet

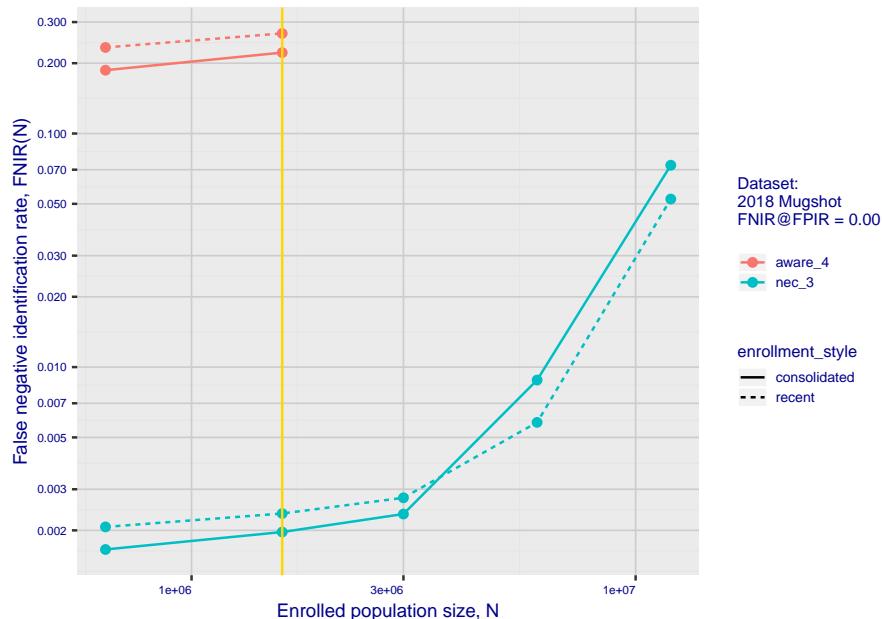
Algorithm:	aware_3
Developer:	Aware
Submission Date:	2018_06_22
Template size:	2076 bytes
Template time (2.5 percentile):	676 msec
Template time (median):	701 msec
Template time (97.5 percentile):	869 msec
Investigation rank 151 -- FNIR(1600000, 0, 1) = 0.0306 vs. lowest 0.0010 from sensetime_003	
Identification rank 124 -- FNIR(1600000, T, L+1) = 0.1283	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm aware\_4 2020-03-20 13:12:32

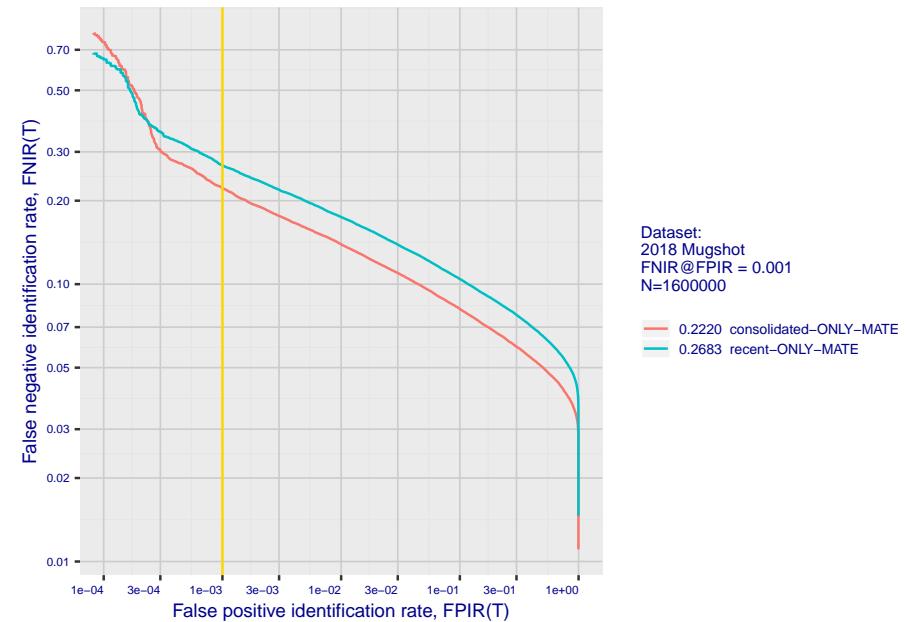
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



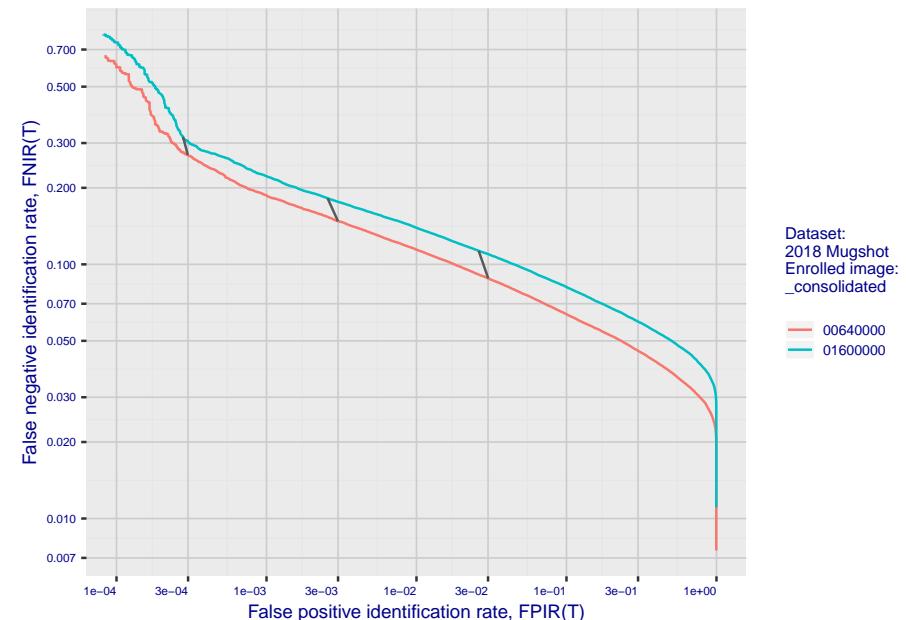
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

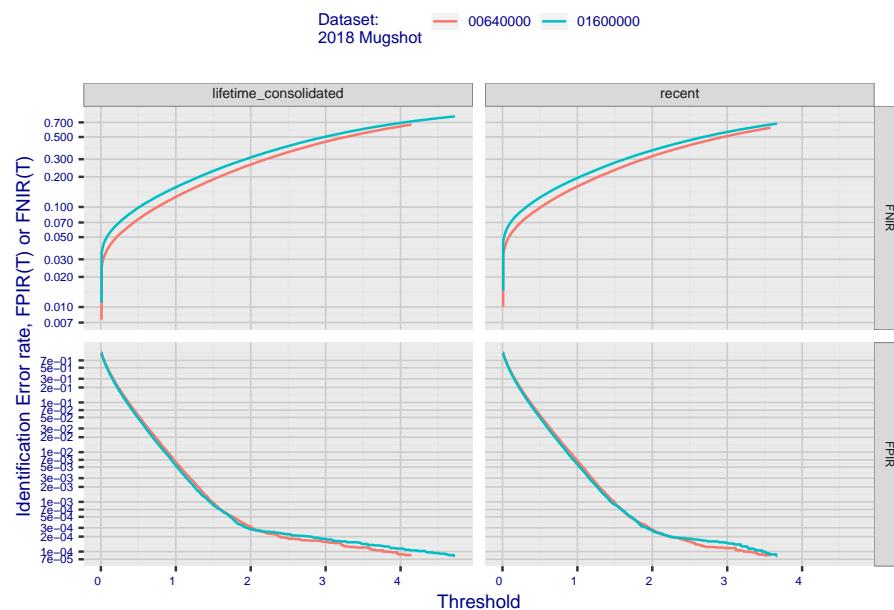


**Fig 4: DET for various N. Links connect points of equal threshold.**

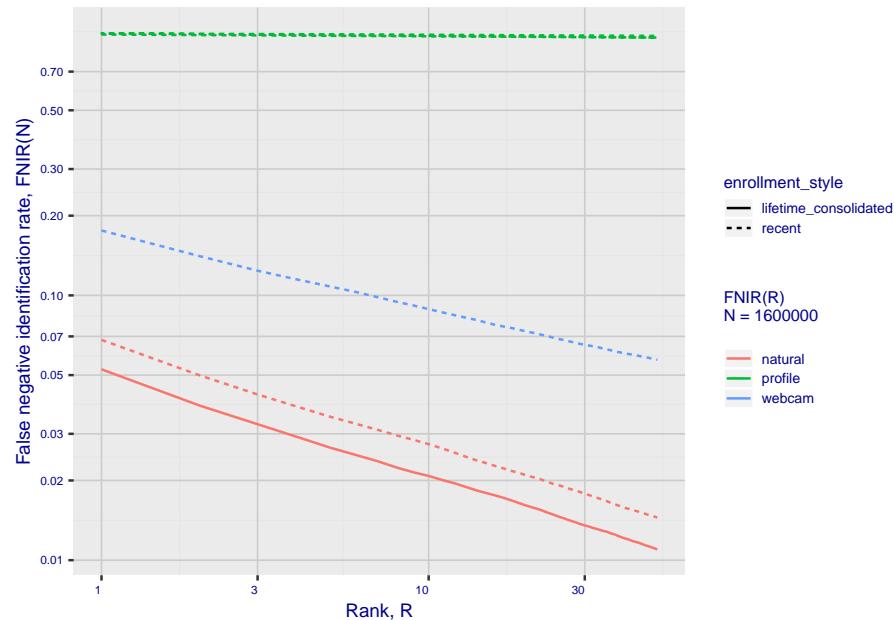


## 2. Report for algorithm aware\_4 2020-03-20 13:12:32

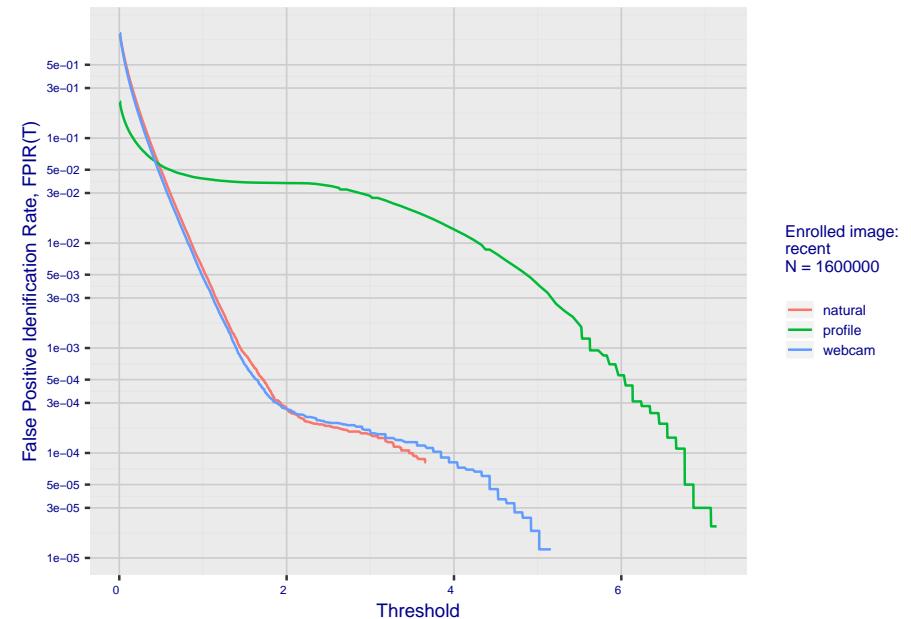
**Fig 5: Dependence on T by number enrolled identities**



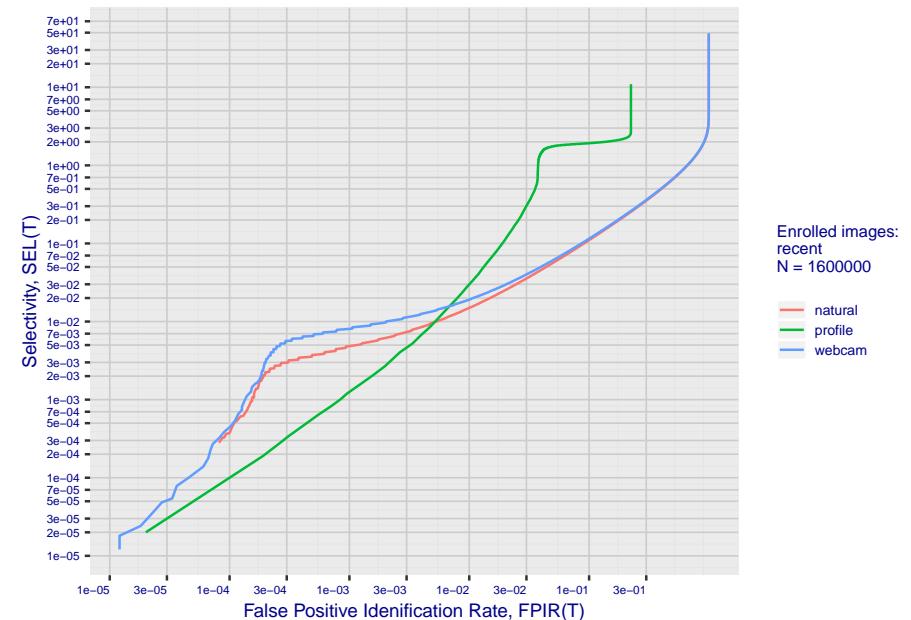
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm aware\_4 2020-03-20 13:12:32

Fig 10: Template duration; search duration vs. N

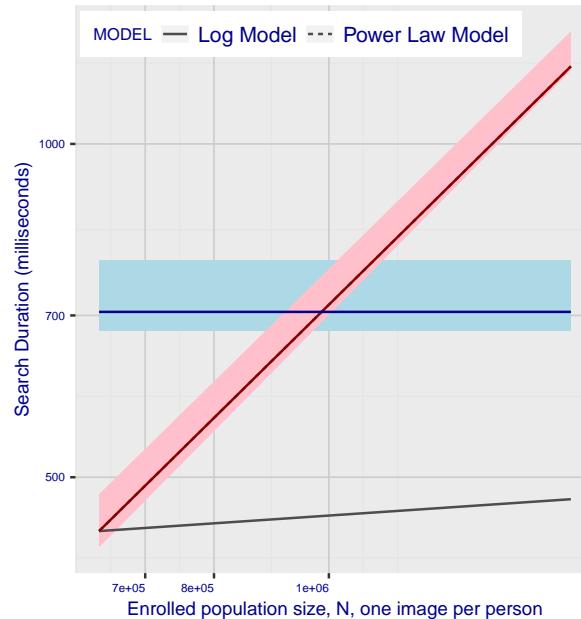
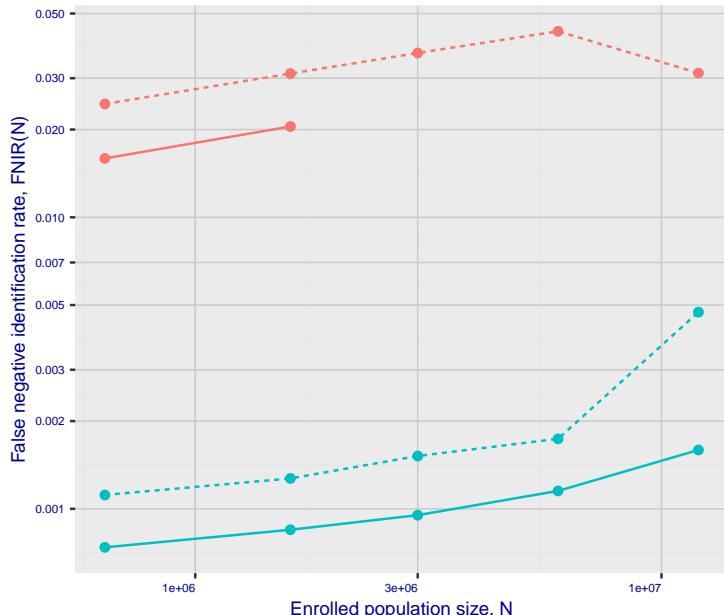


Fig 11: Datasheet

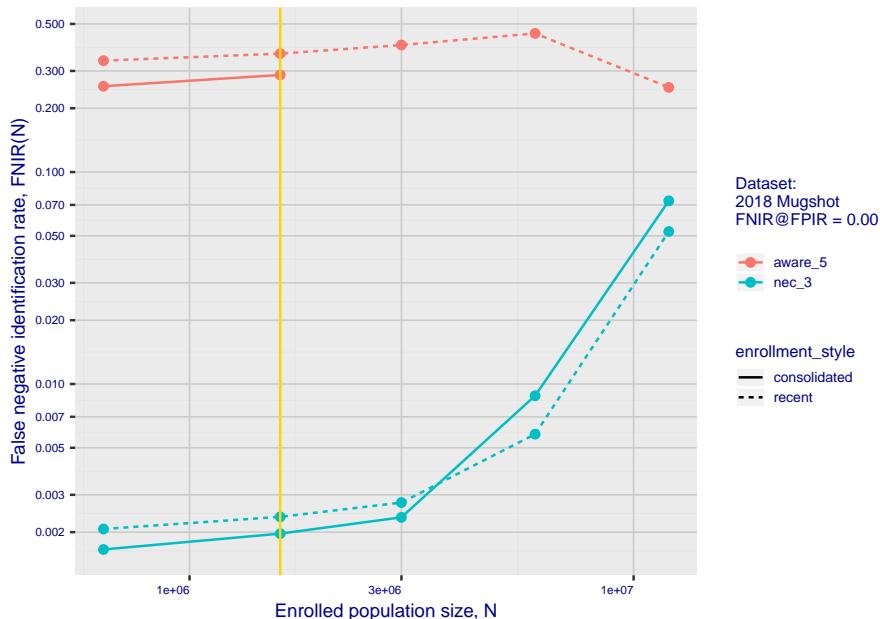
Algorithm:	aware_4
Developer:	Aware
Submission Date:	2018_06_22
Template size:	92 bytes
Template time (2.5 percentile):	678 msec
Template time (median):	705 msec
Template time (97.5 percentile):	785 msec
Investigation rank 182 -- FNIR(1600000, 0, 1) = 0.0679 vs. lowest 0.0010 from sensetime_003	
Identification rank 161 -- FNIR(1600000, T, L+1) = 0.2683	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm aware\_5 2020-03-20 13:14:35

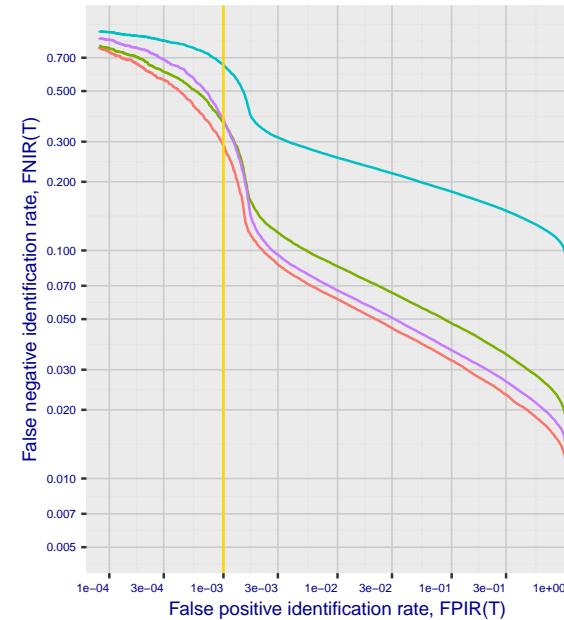
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



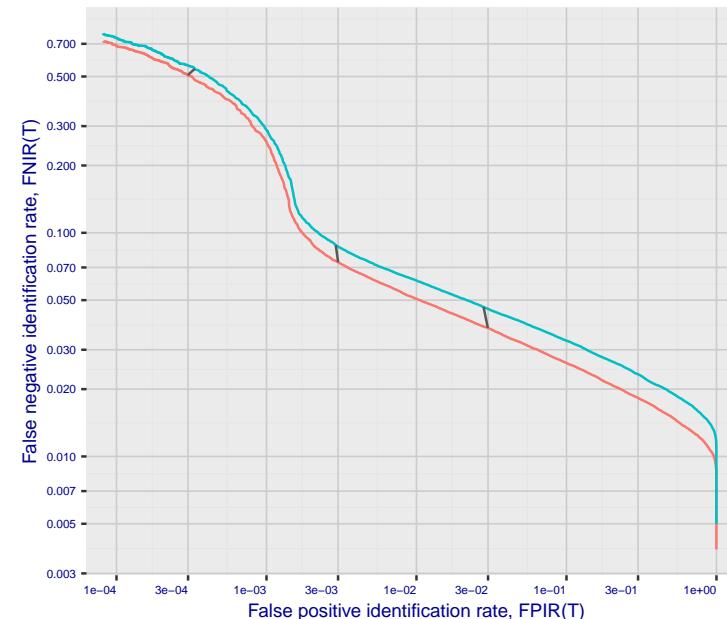
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**



Dataset:

2018 Mugshot

FNIR@FPIR = 0.001

N=1600000

0.2873 consolidated-ONLY-MATE

0.3622 recent-ONLY-MATE

0.6529 unconsolidated-ALL-MATES

0.3770 unconsolidated-ANY-MATE

Dataset:

2018 Mugshot

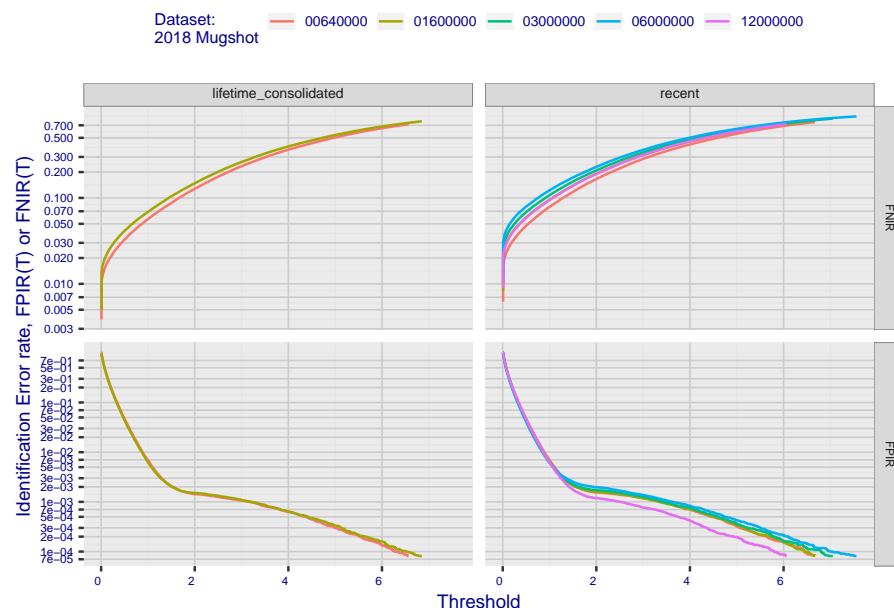
Enrolled image: \_consolidated

00640000

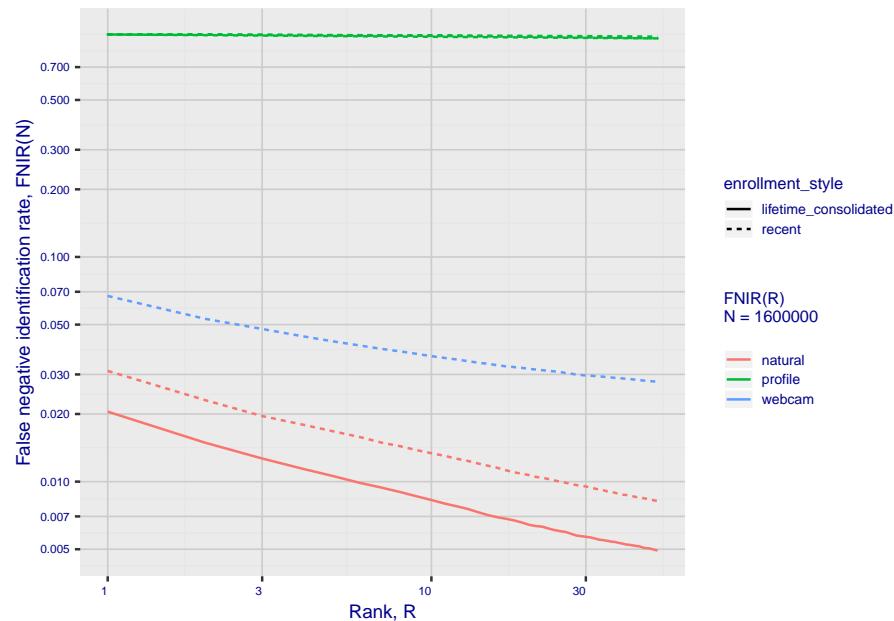
01600000

## 2. Report for algorithm aware\_5 2020-03-20 13:14:35

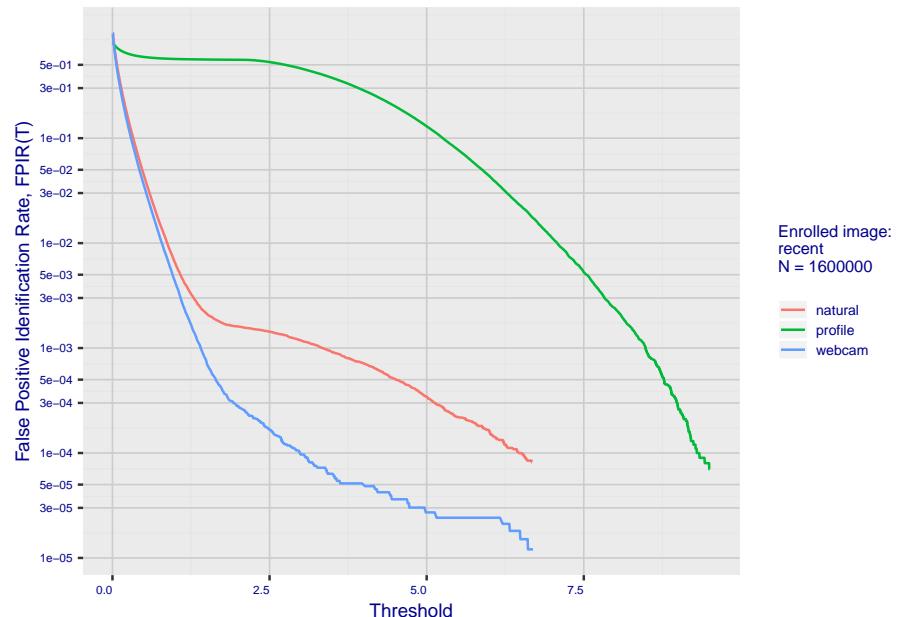
**Fig 5: Dependence on T by number enrolled identities**



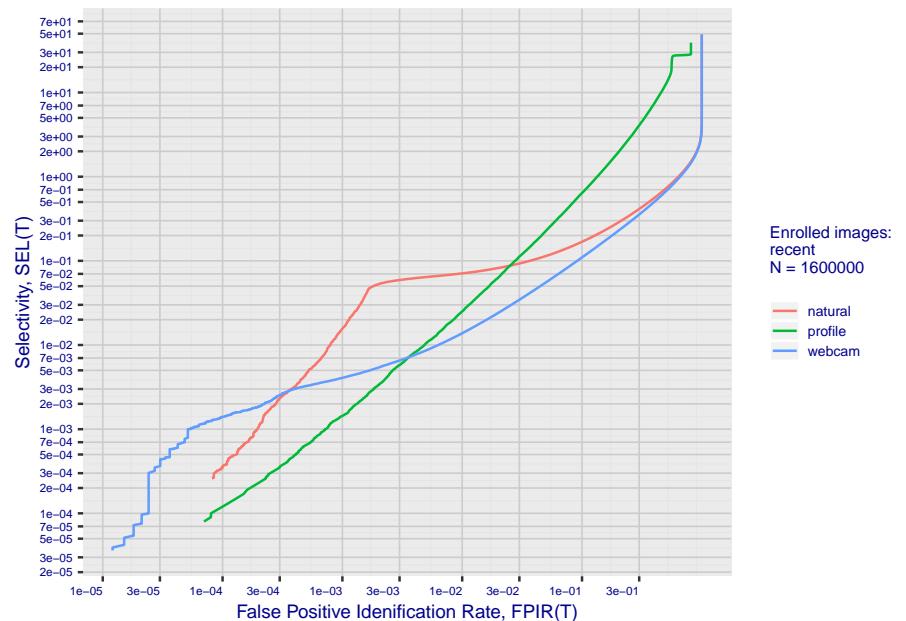
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

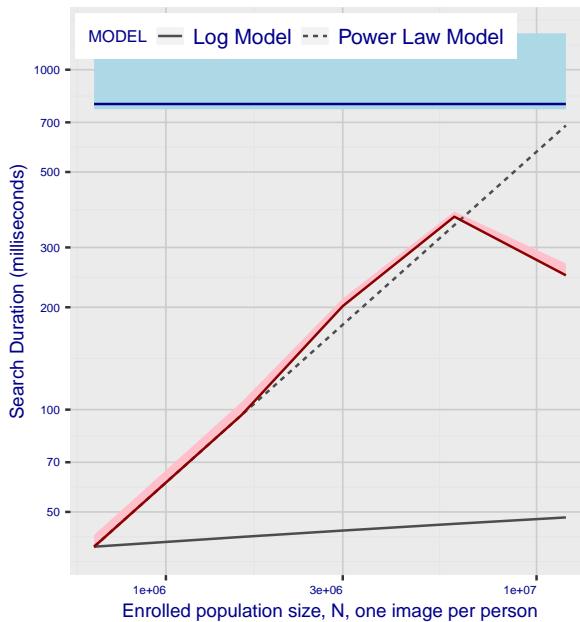


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm aware\_5 2020-03-20 13:14:35

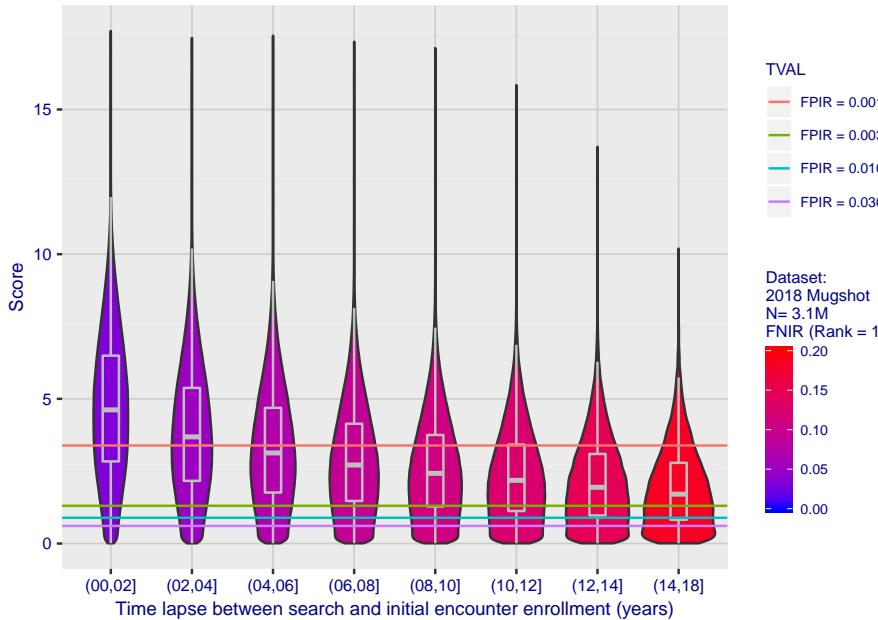
**Fig 10: Template duration; search duration vs. N**



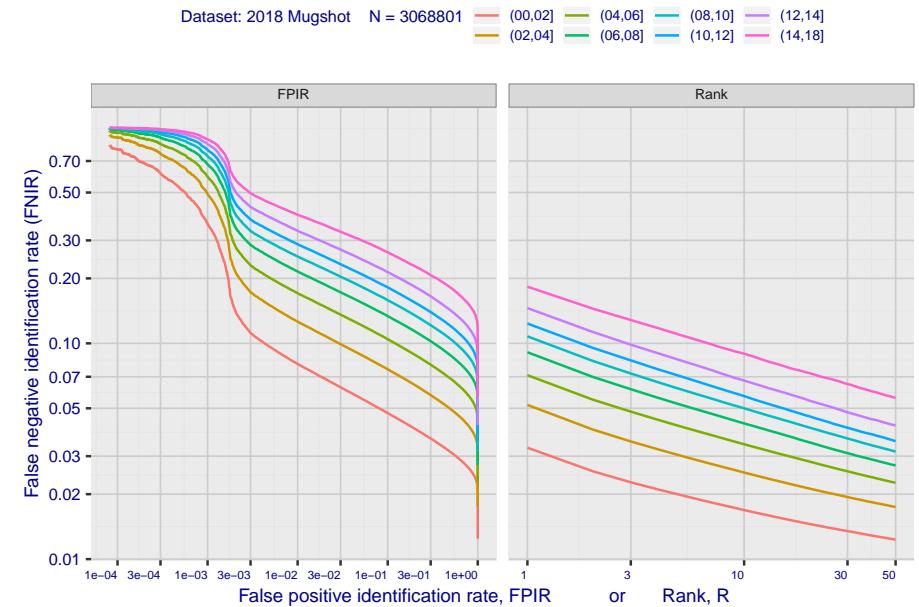
**Fig 11: Datasheet**

Algorithm: aware_5
Developer: Aware
Submission Date: 2018_10_30
Template size: 3100 bytes
Template time (2.5 percentile): 765 msec
Template time (median): 793 msec
Template time (97.5 percentile): 1280 msec
Investigation rank 152 -- FNIR(1600000, 0, 1) = 0.0311 vs. lowest 0.0010 from sensetime_003
Identification rank 174 -- FNIR(1600000, T, L+1) = 0.3622
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

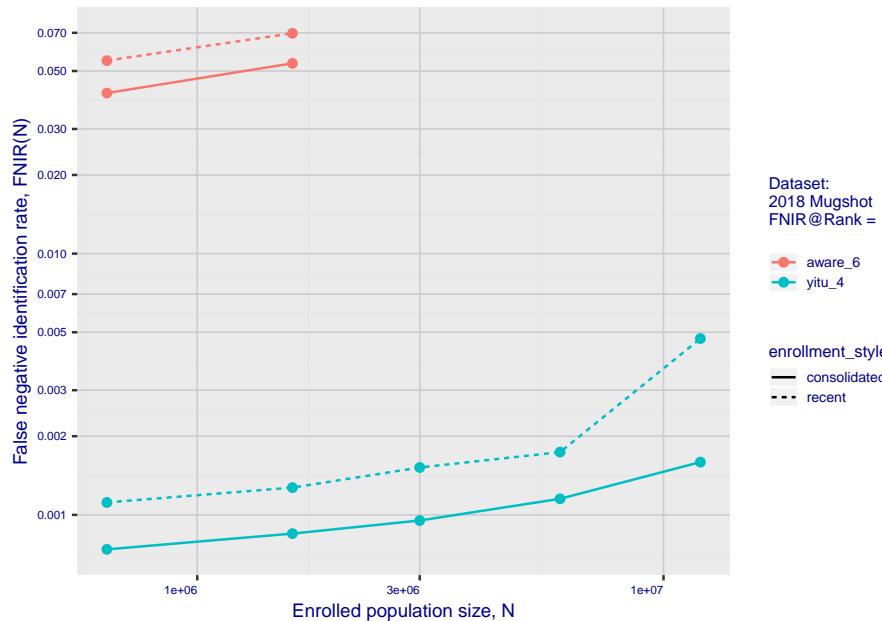


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

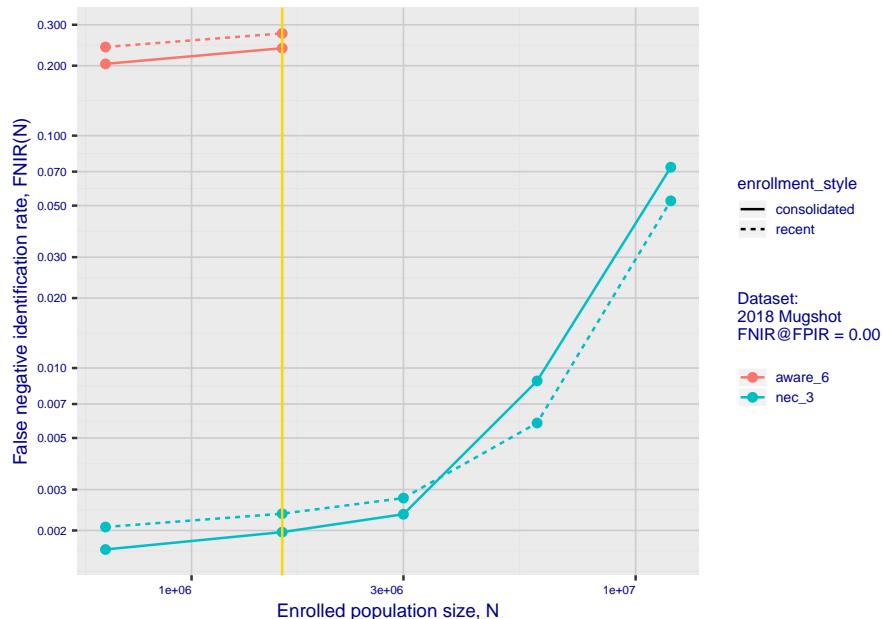


## 1. Report for algorithm aware\_6 2020-03-20 13:14:29

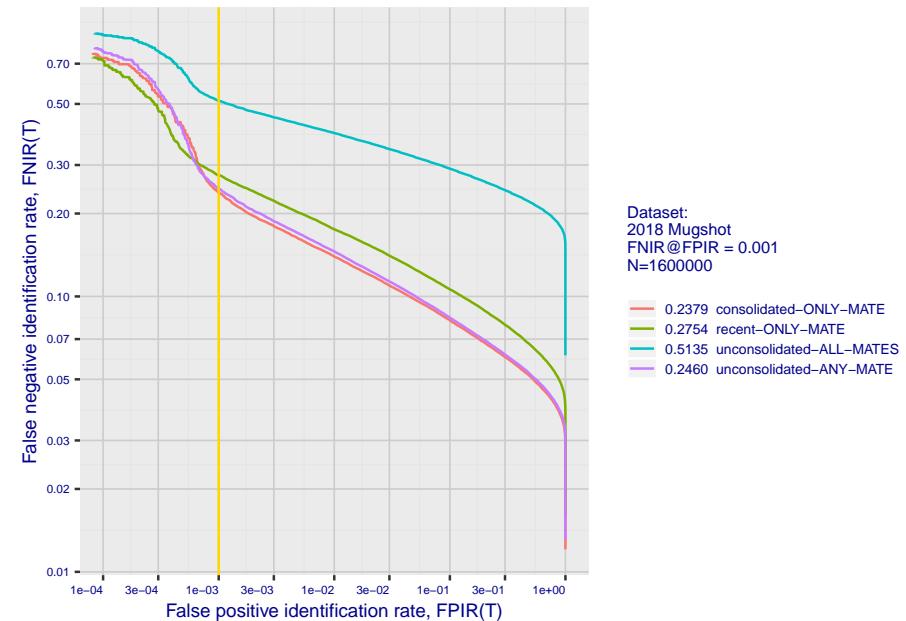
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



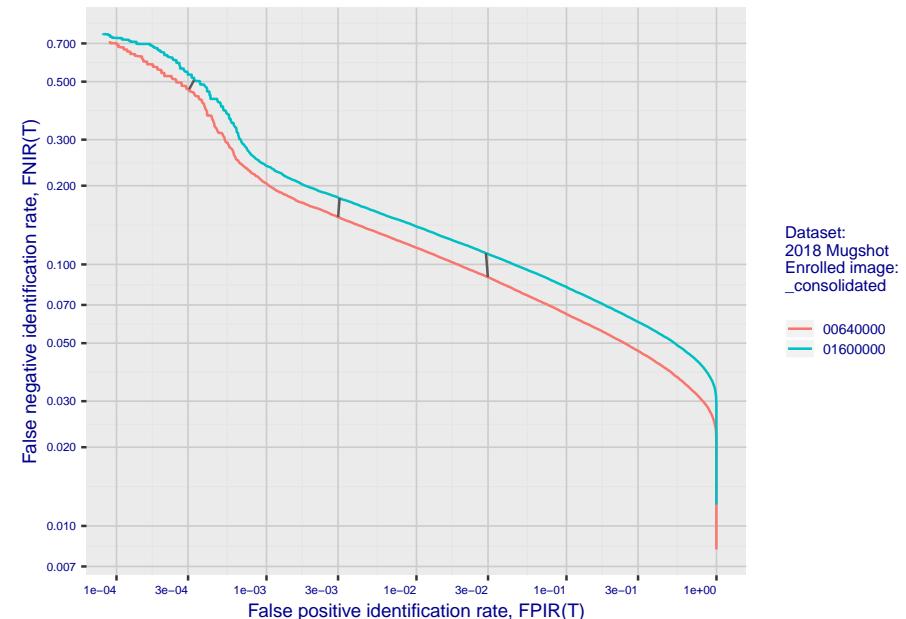
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

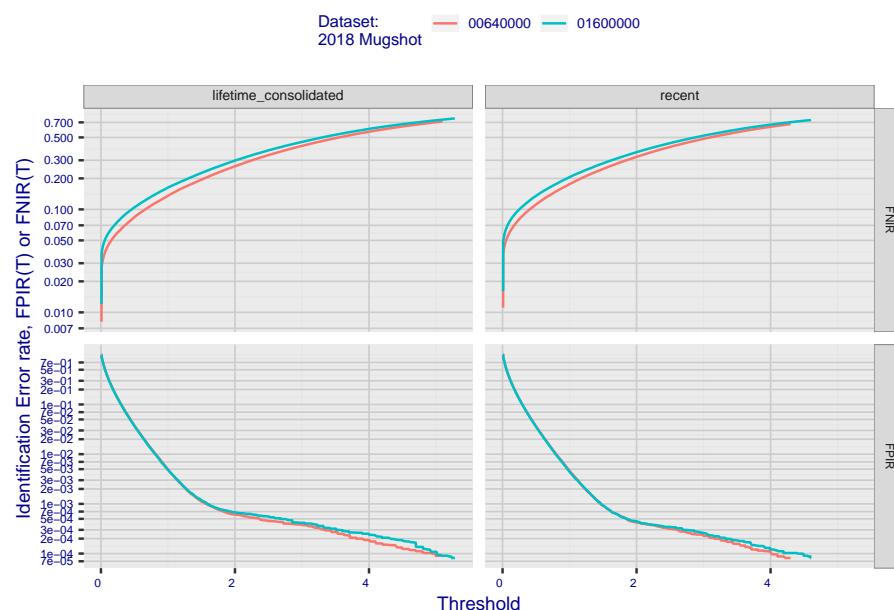


**Fig 4: DET for various N. Links connect points of equal threshold.**

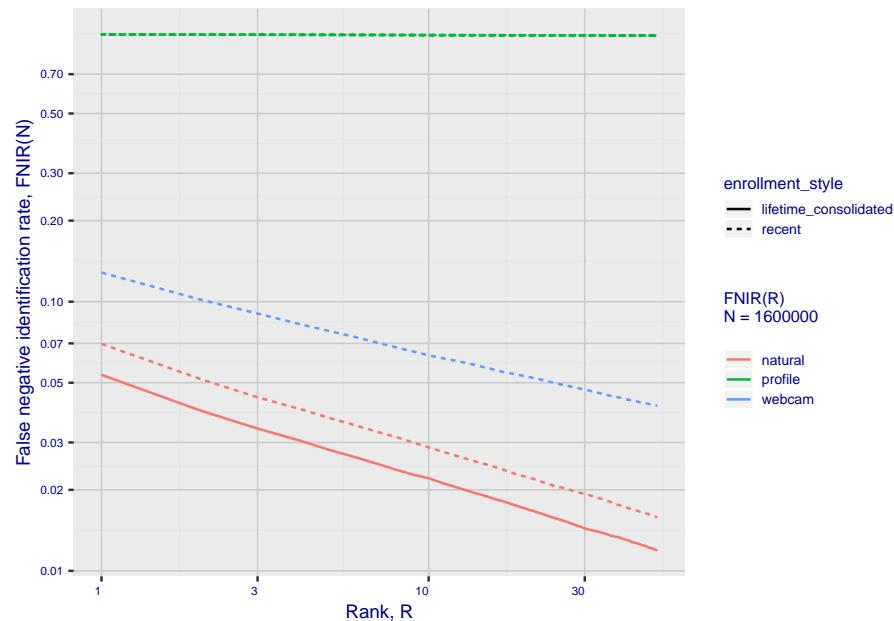


## 2. Report for algorithm aware\_6 2020-03-20 13:14:29

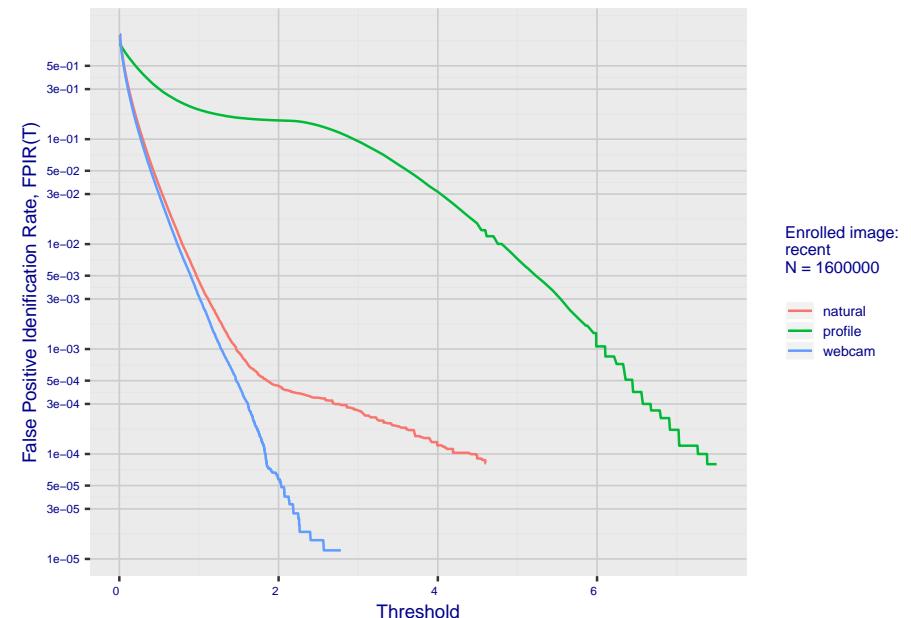
**Fig 5: Dependence on T by number enrolled identities**



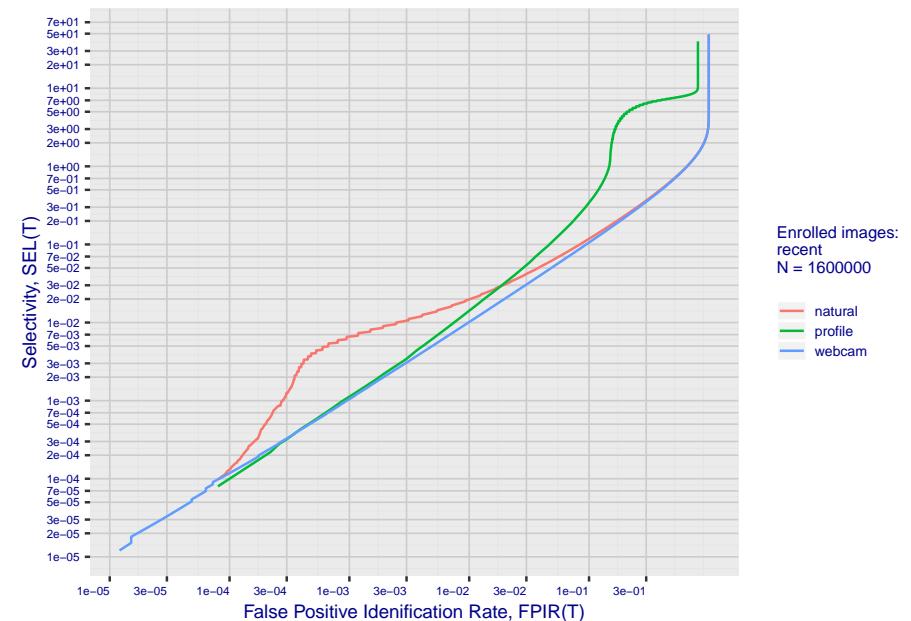
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm aware\_6 2020-03-20 13:14:29

Fig 10: Template duration; search duration vs. N

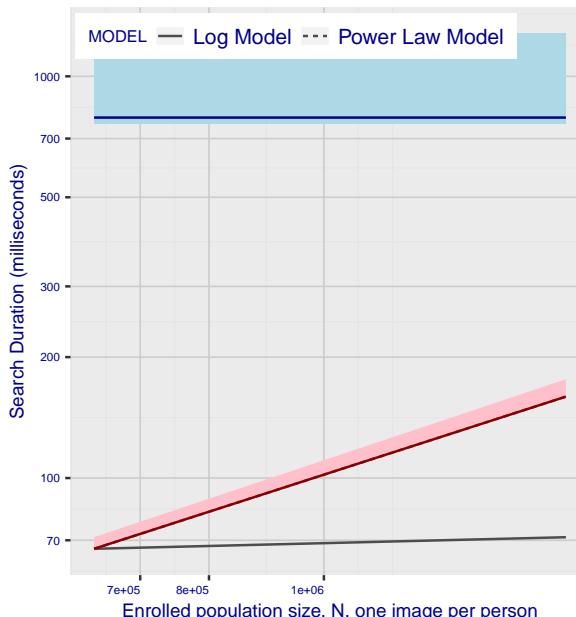
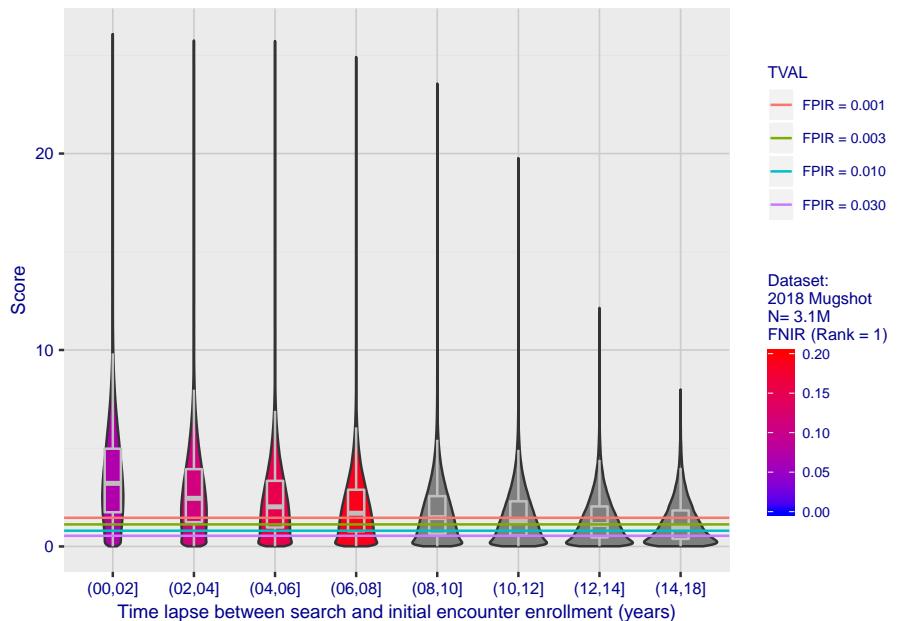


Fig 11: Datasheet

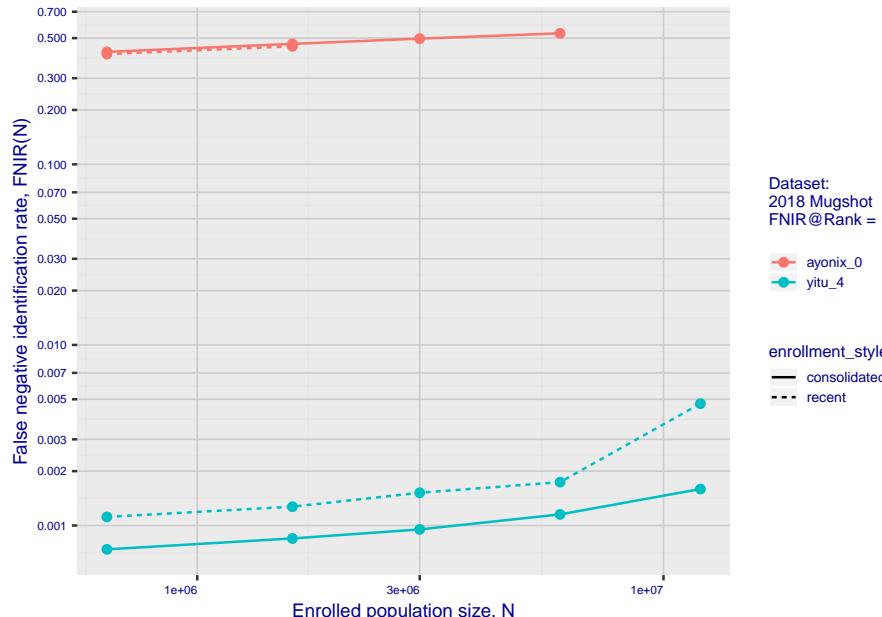
Algorithm:	aware_6
Developer:	Aware
Submission Date:	2018_10_30
Template size:	124 bytes
Template time (2.5 percentile):	764 msec
Template time (median):	789 msec
Template time (97.5 percentile):	1280 msec
Investigation rank 184 -- FNIR(1600000, 0, 1) = 0.0697 vs. lowest 0.0010 from sensetime_003	
Identification rank 162 -- FNIR(1600000, T, L+1) = 0.2754	
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

Fig 12: Decline of genuine scores with ageing

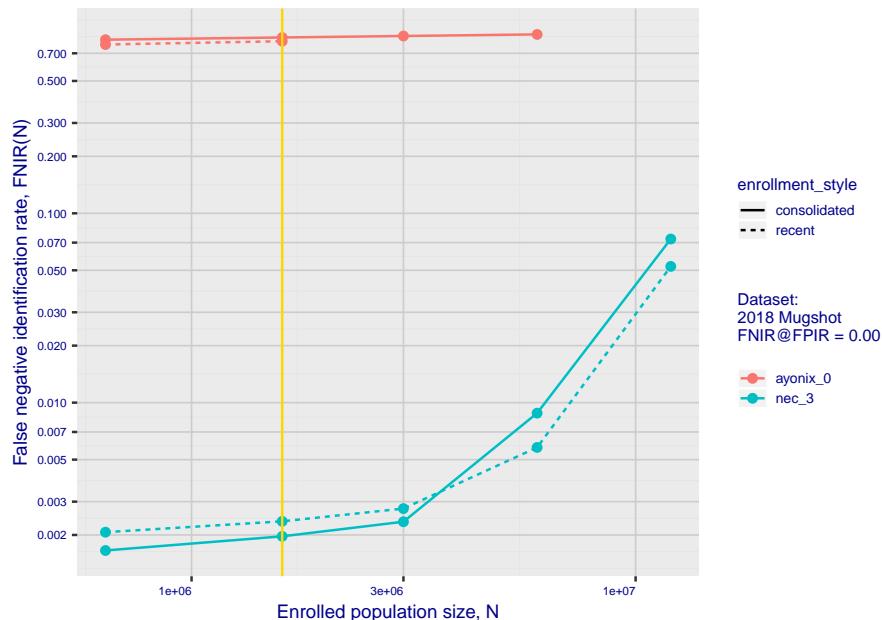


## 1. Report for algorithm ayonix\_0 2020-03-20 13:12:40

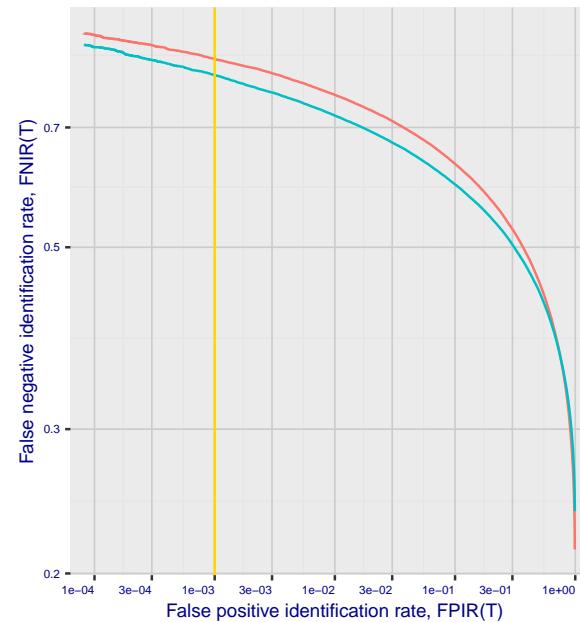
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



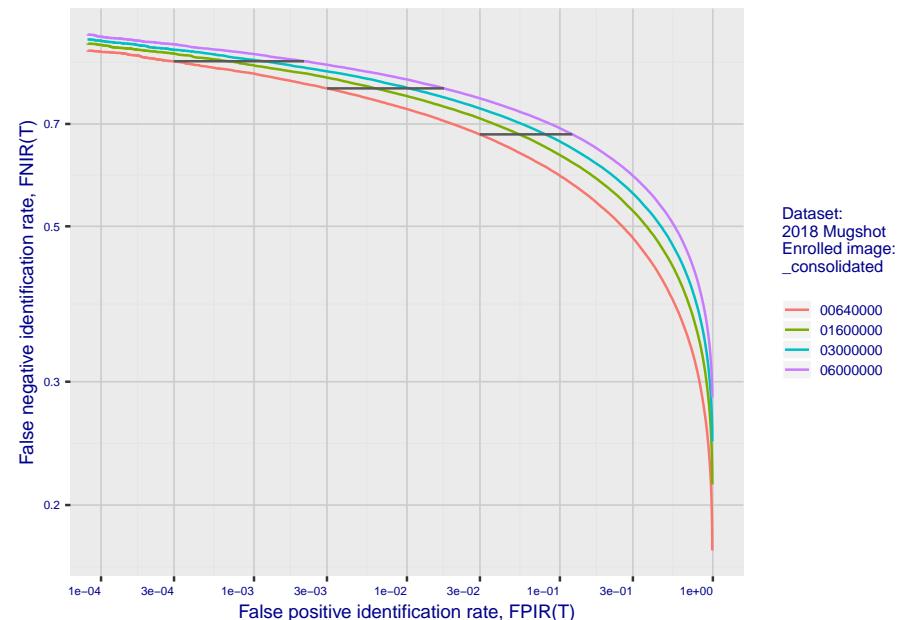
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

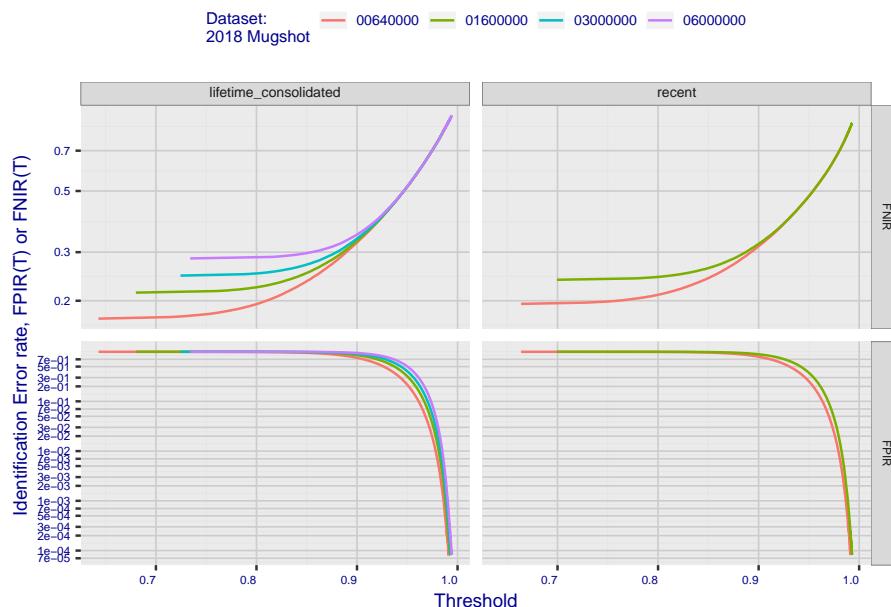


**Fig 4: DET for various N. Links connect points of equal threshold.**

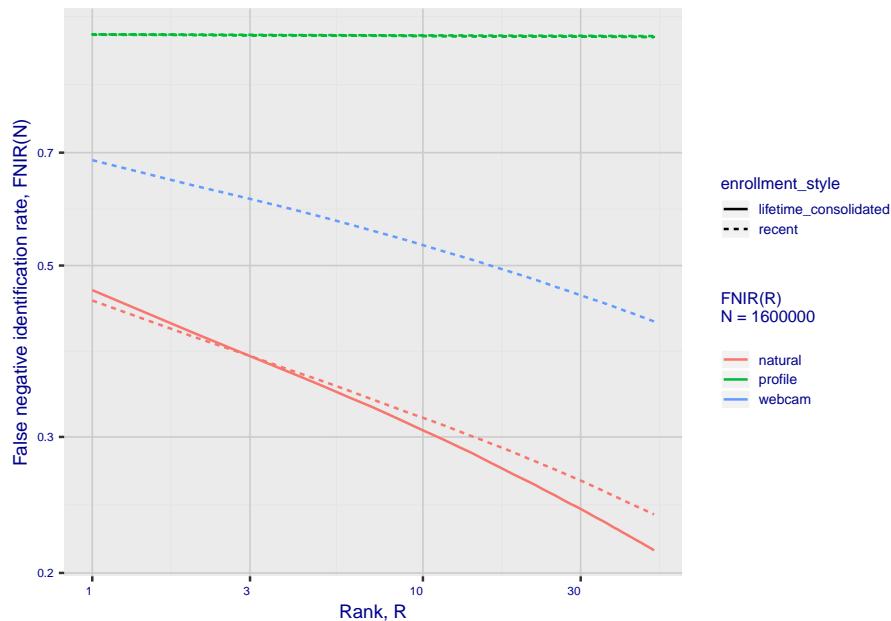


## 2. Report for algorithm ayonix\_0 2020-03-20 13:12:40

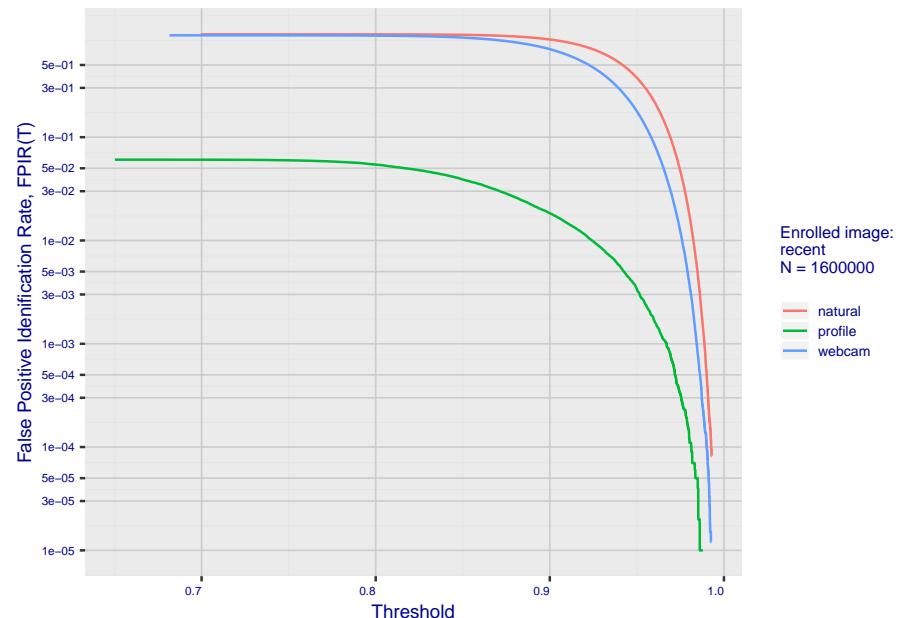
**Fig 5: Dependence on T by number enrolled identities**



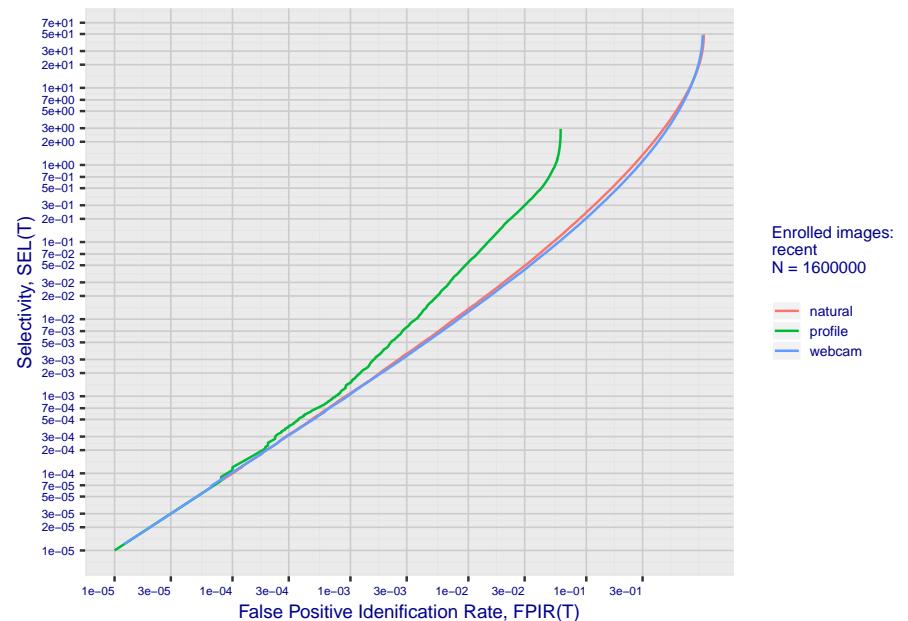
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm ayonix\_0 2020-03-20 13:12:40

Fig 10: Template duration; search duration vs. N

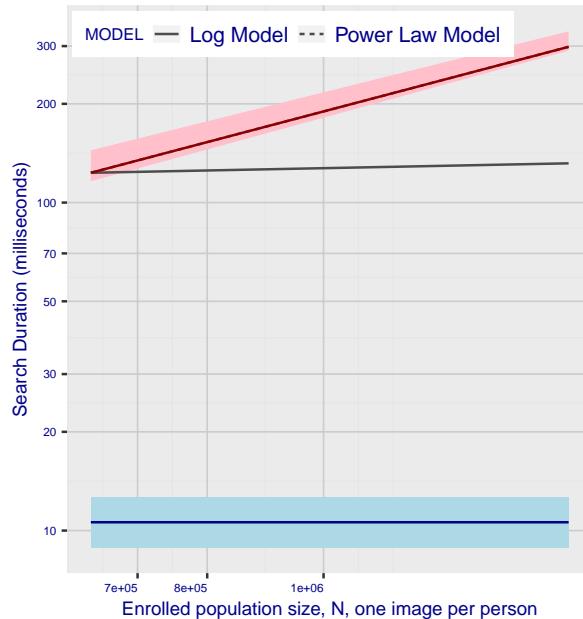
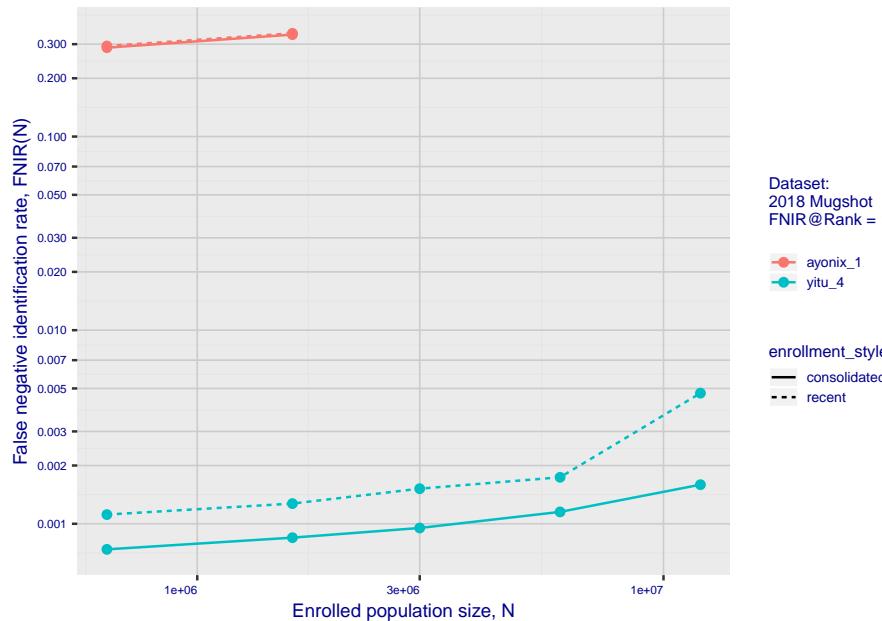


Fig 11: Datasheet

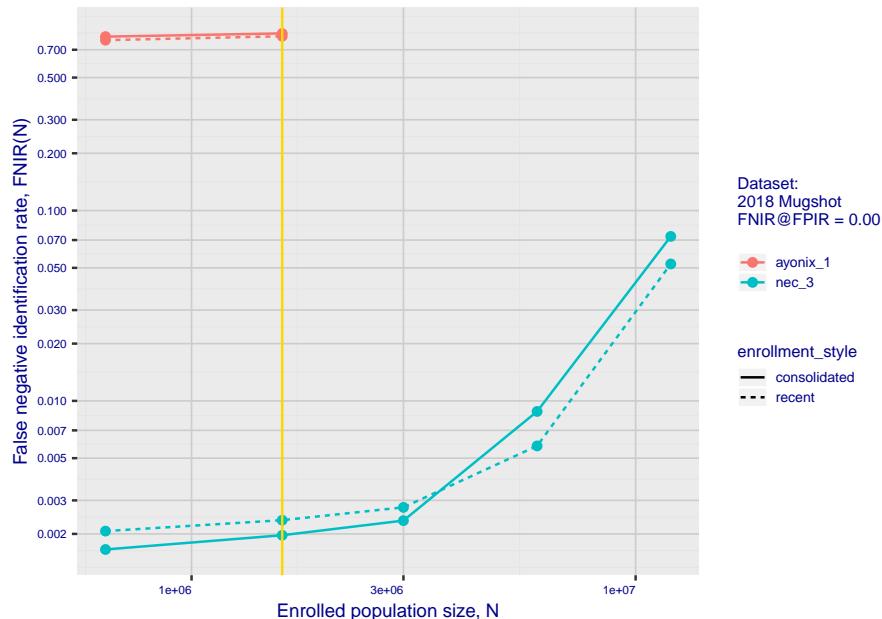
Algorithm:	ayonix_0
Developer:	Ayonix
Submission Date:	2018_06_21
Template size:	1036 bytes
Template time (2.5 percentile):	9 msec
Template time (median):	11 msec
Template time (97.5 percentile):	13 msec
Investigation rank 227 -- FNIR(1600000, 0, 1) = 0.4505 vs. lowest 0.0010 from sensetime_003	
Identification rank 214 -- FNIR(1600000, T, L+1) = 0.8107	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

## 1. Report for algorithm ayonix\_1 2020-03-20 13:12:39

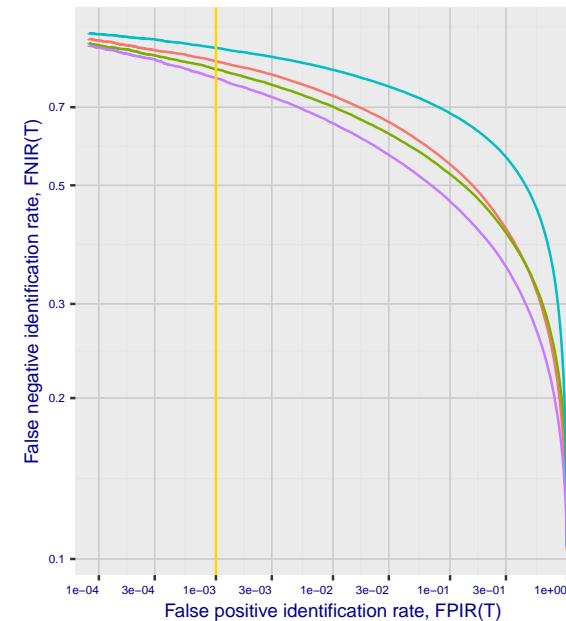
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



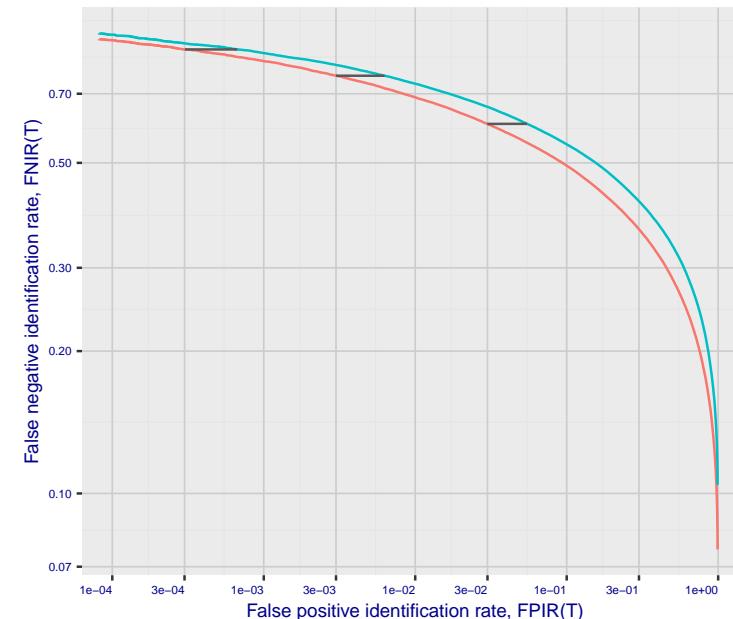
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

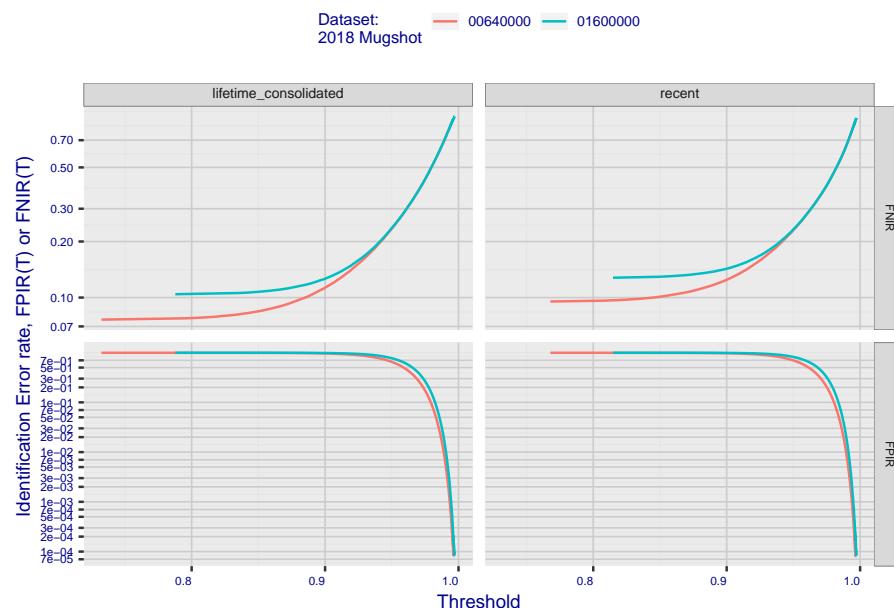


**Fig 4: DET for various N. Links connect points of equal threshold.**

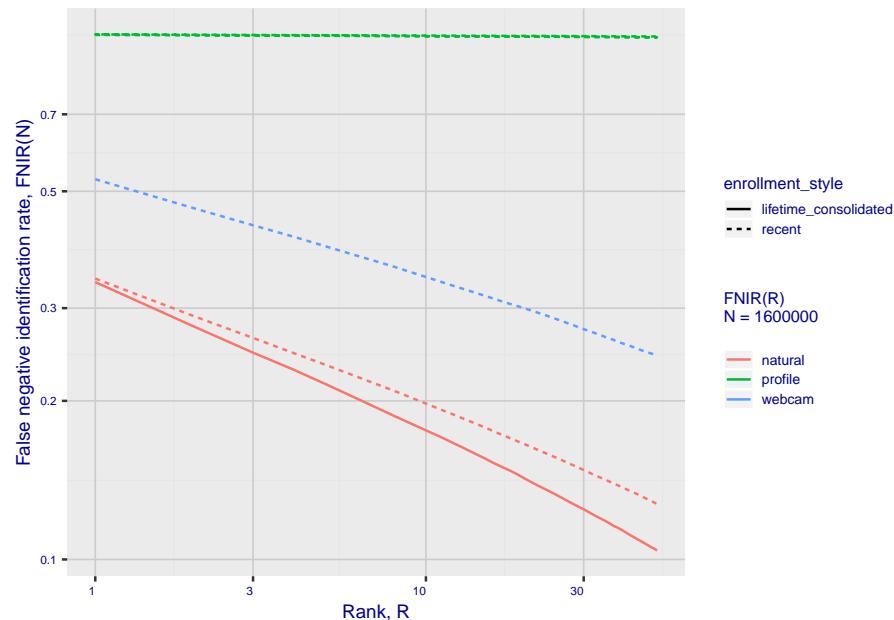


## 2. Report for algorithm ayonix\_1 2020-03-20 13:12:39

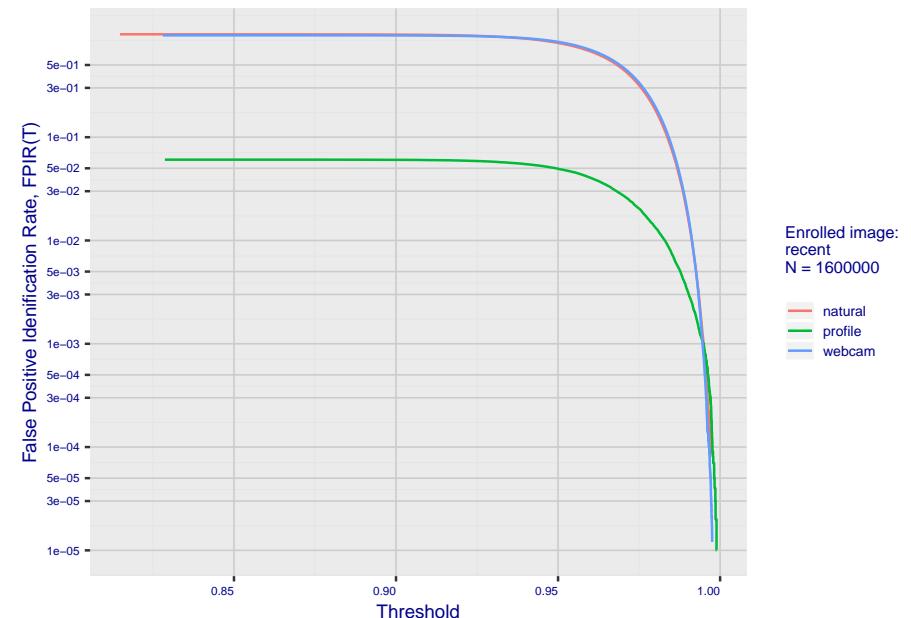
**Fig 5: Dependence on T by number enrolled identities**



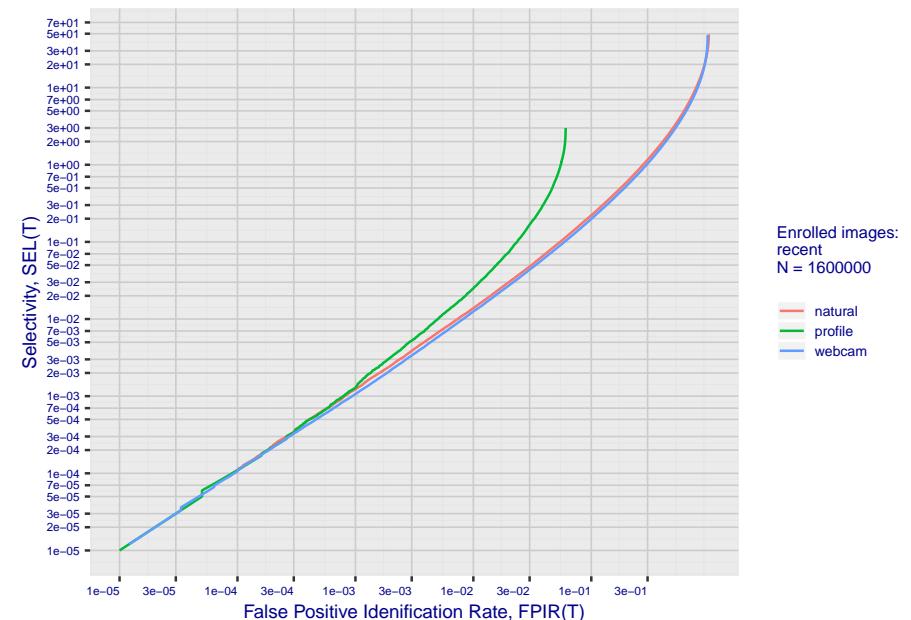
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm ayonix\_1 2020-03-20 13:12:39

Fig 10: Template duration; search duration vs. N

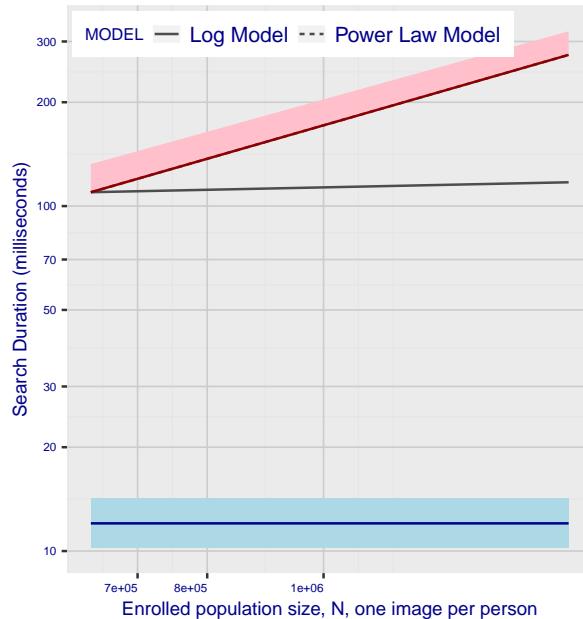
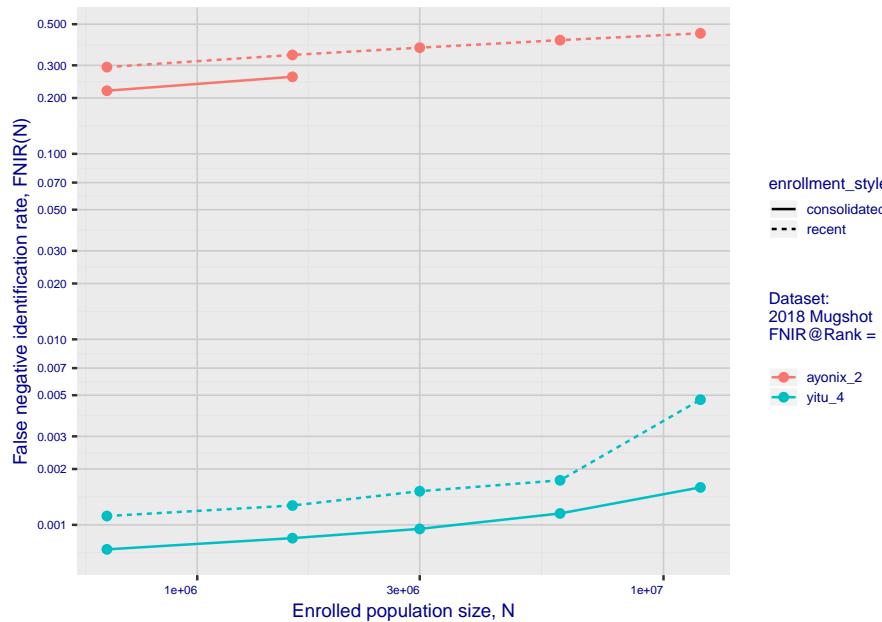


Fig 11: Datasheet

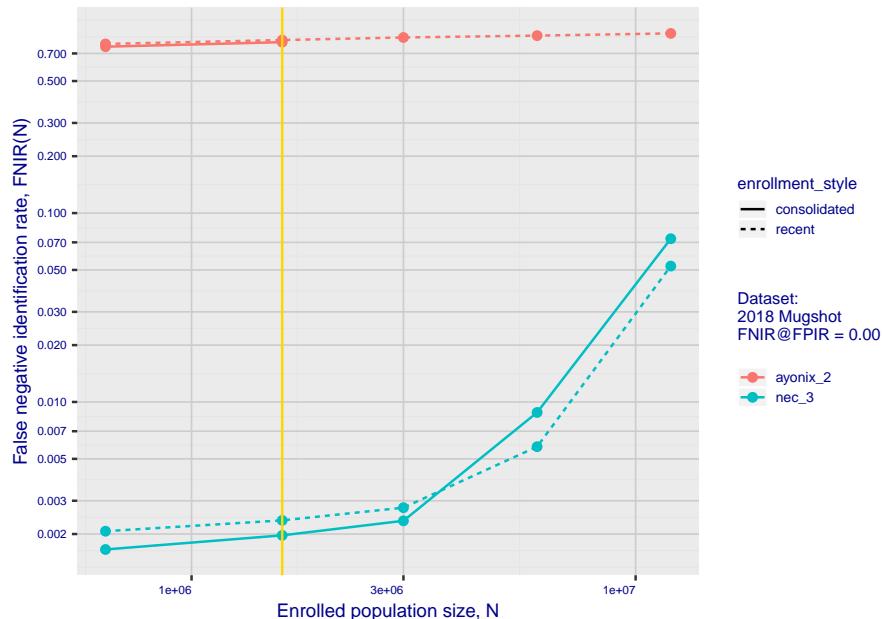
Algorithm:	ayonix_1
Developer:	Ayonix
Submission Date:	2018_10_29
Template size:	1036 bytes
Template time (2.5 percentile):	10 msec
Template time (median):	12 msec
Template time (97.5 percentile):	14 msec
Investigation rank 222 -- FNIR(160000, 0, 1) = 0.3414 vs. lowest 0.0010 from sensetime_003	
Identification rank 217 -- FNIR(160000, T, L+1) = 0.8241	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

## 1. Report for algorithm ayonix\_2 2020-03-20 13:13:58

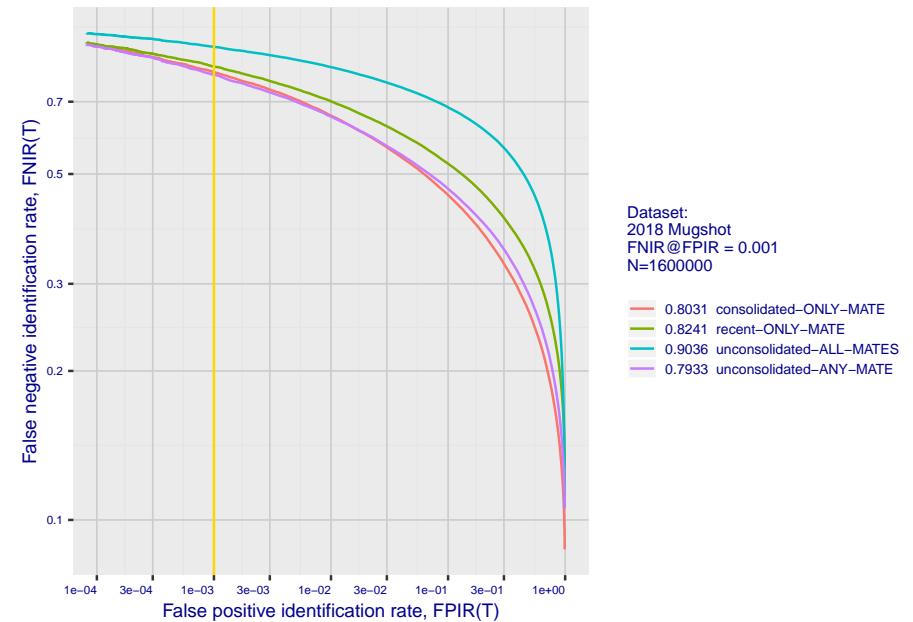
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



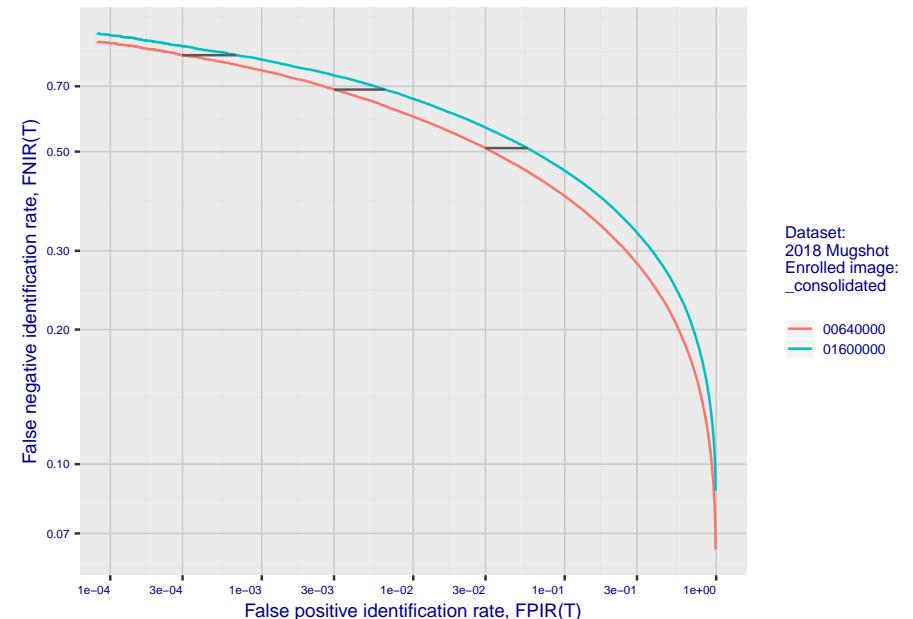
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

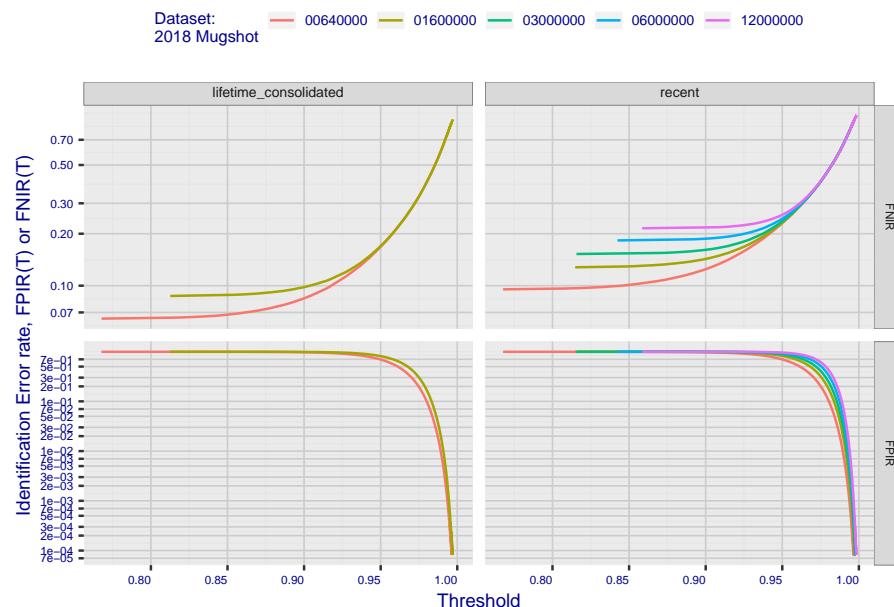


**Fig 4: DET for various N. Links connect points of equal threshold.**

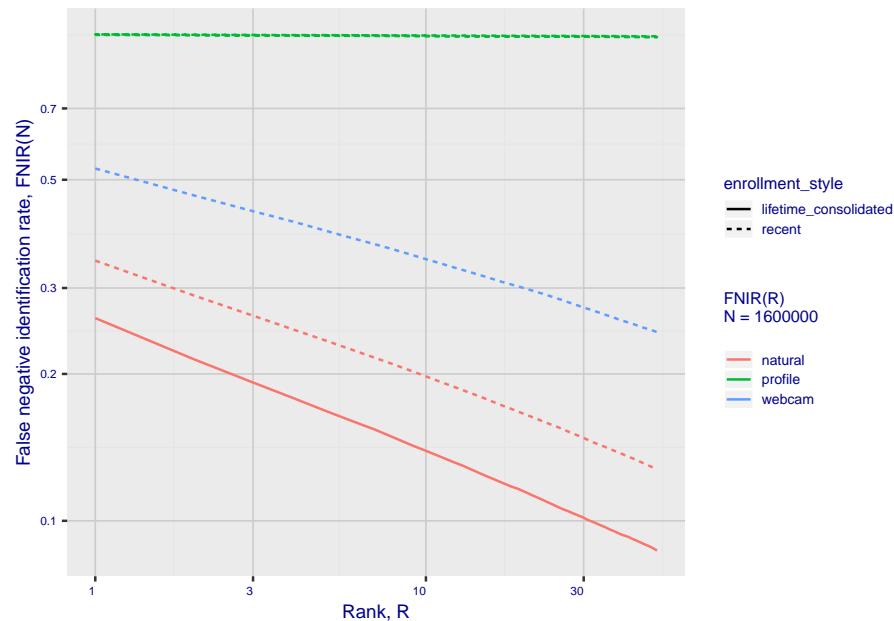


## 2. Report for algorithm ayonix\_2 2020-03-20 13:13:58

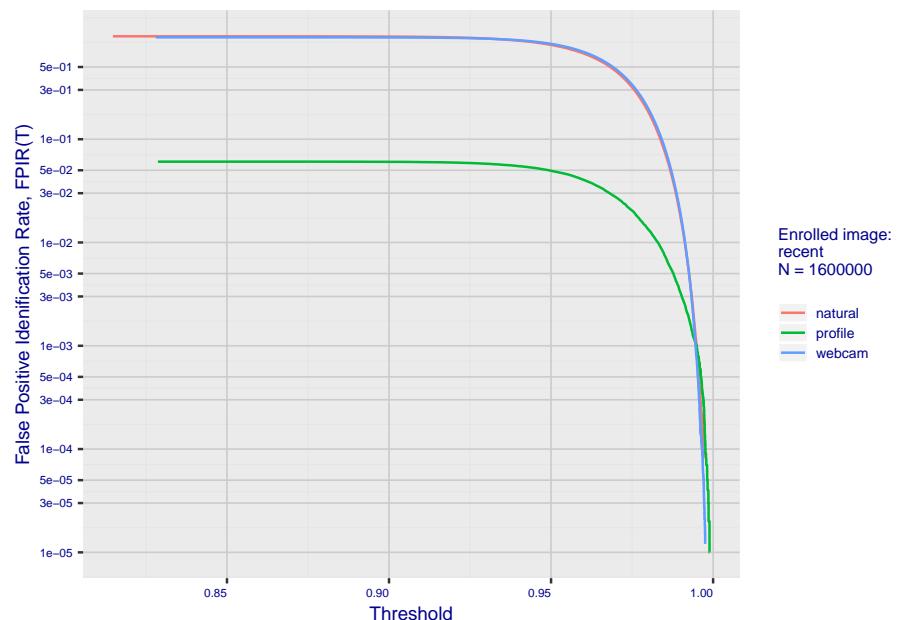
**Fig 5: Dependence on T by number enrolled identities**



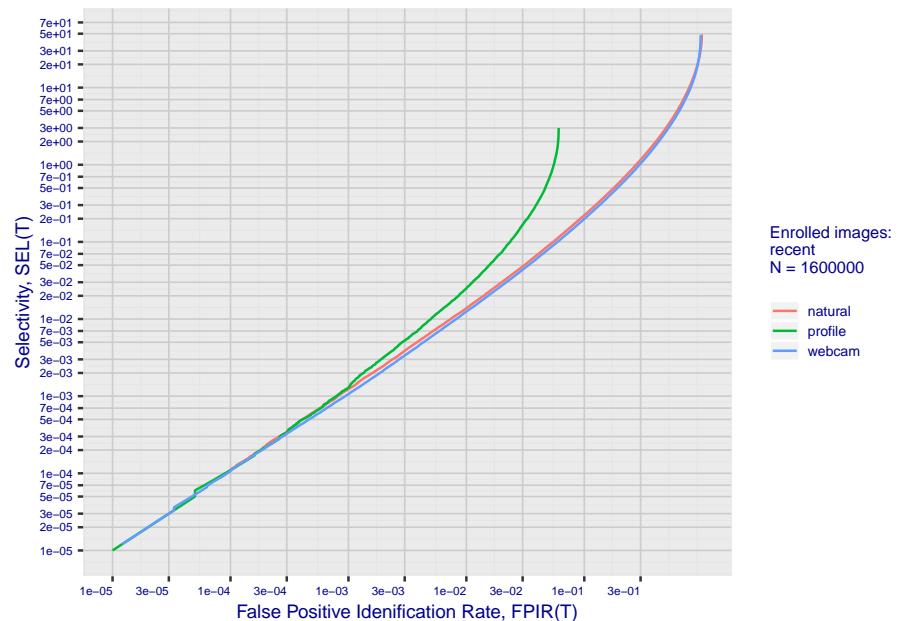
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

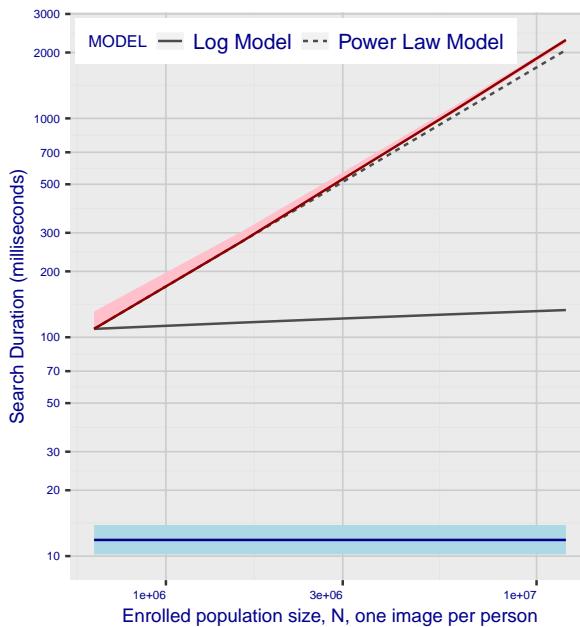


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm ayonix\_2 2020-03-20 13:13:58

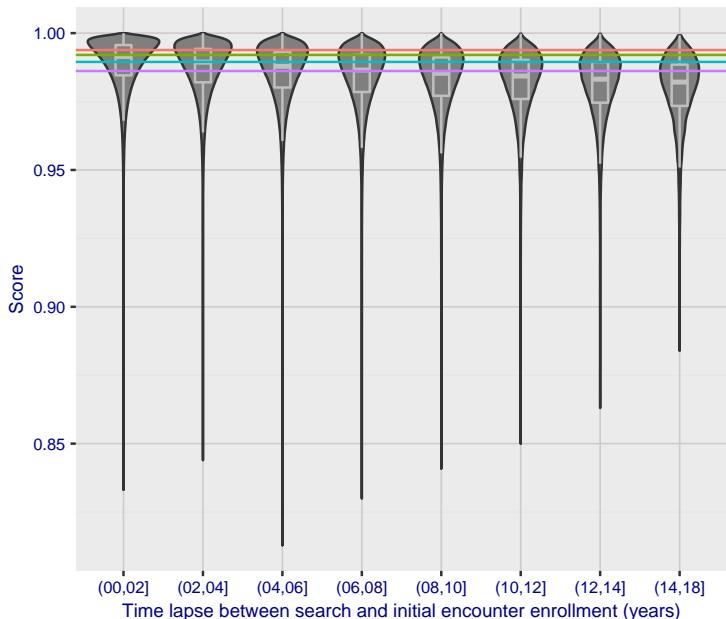
**Fig 10: Template duration; search duration vs. N**



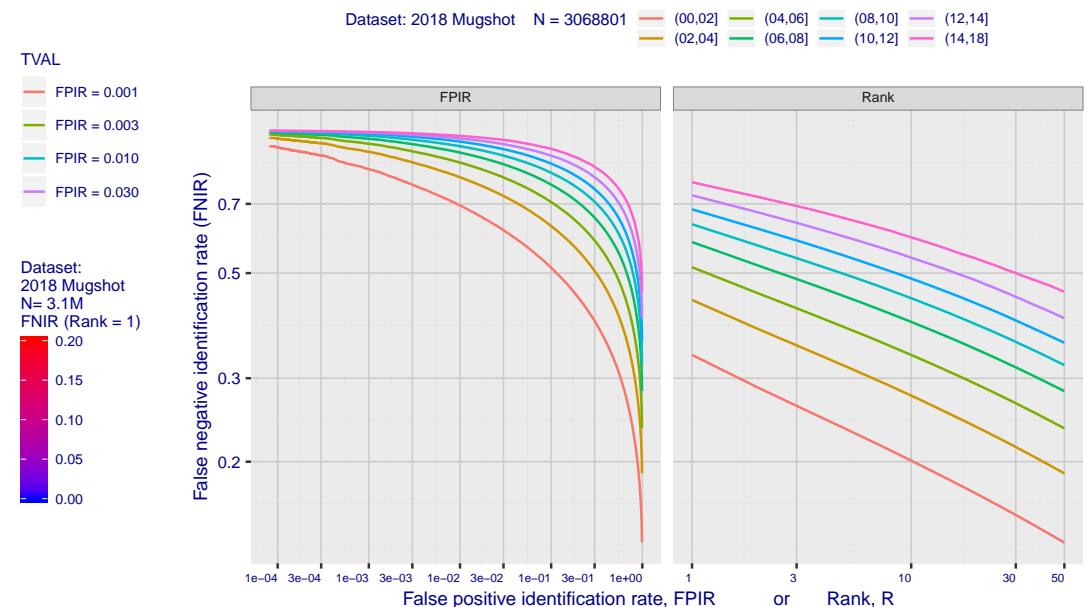
**Fig 11: Datasheet**

Algorithm:	ayonix_2
Developer:	Ayonix
Submission Date:	2018_10_30
Template size:	1036 bytes
Template time (2.5 percentile):	10 msec
Template time (median):	12 msec
Template time (97.5 percentile):	14 msec
Investigation rank 222 -- FNIR(1600000, 0, 1) = 0.3414 vs. lowest 0.0010 from sensetime_003	
Identification rank 216 -- FNIR(1600000, T, L+1) = 0.8241	
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

**Fig 12: Decline of genuine scores with ageing**

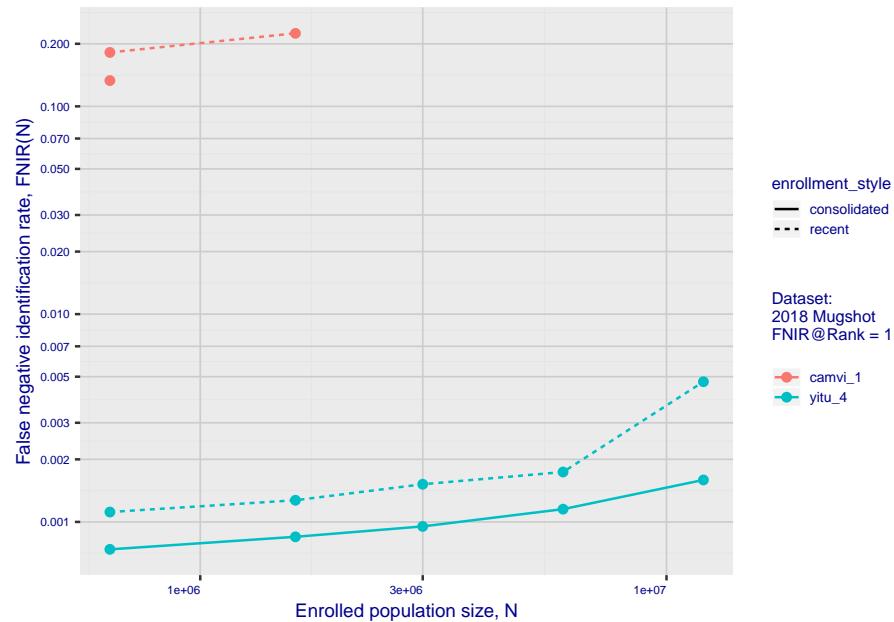


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

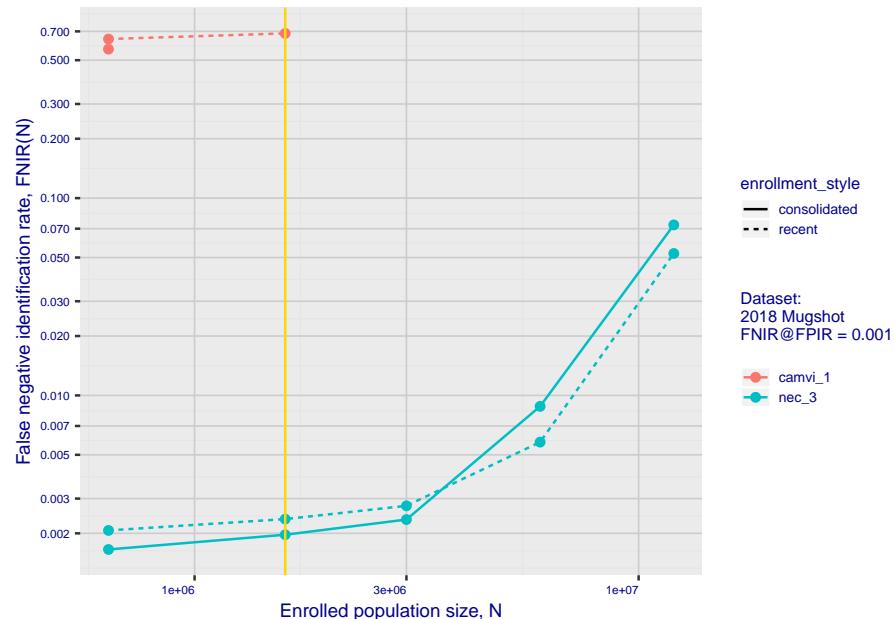


# 1. Report for algorithm camvi\_1 2020-03-20 13:12:39

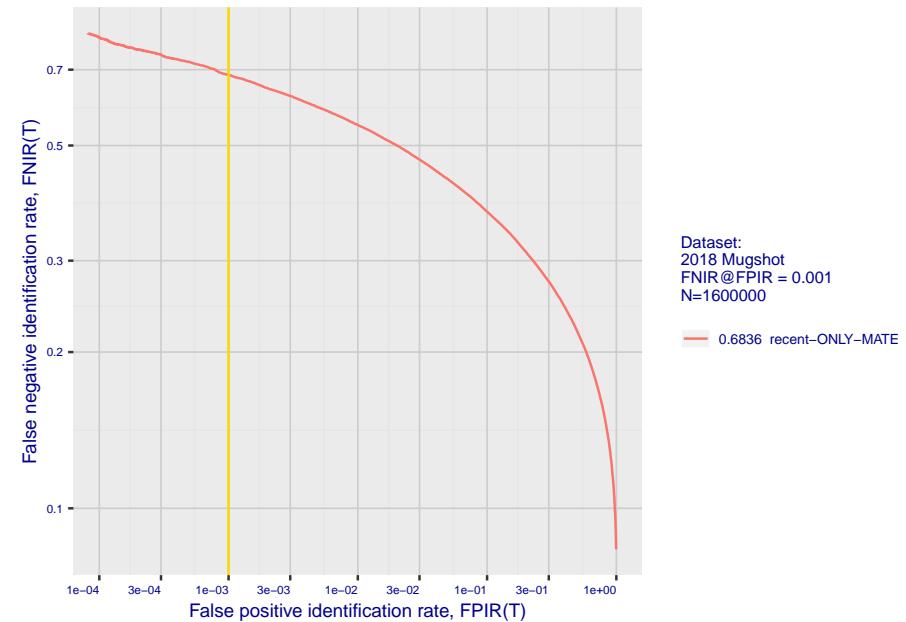
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



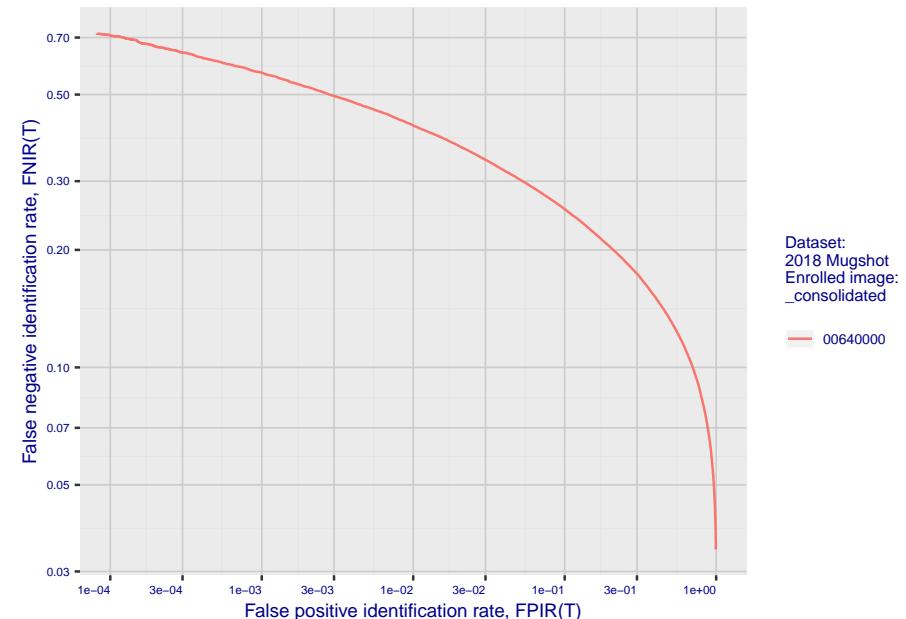
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

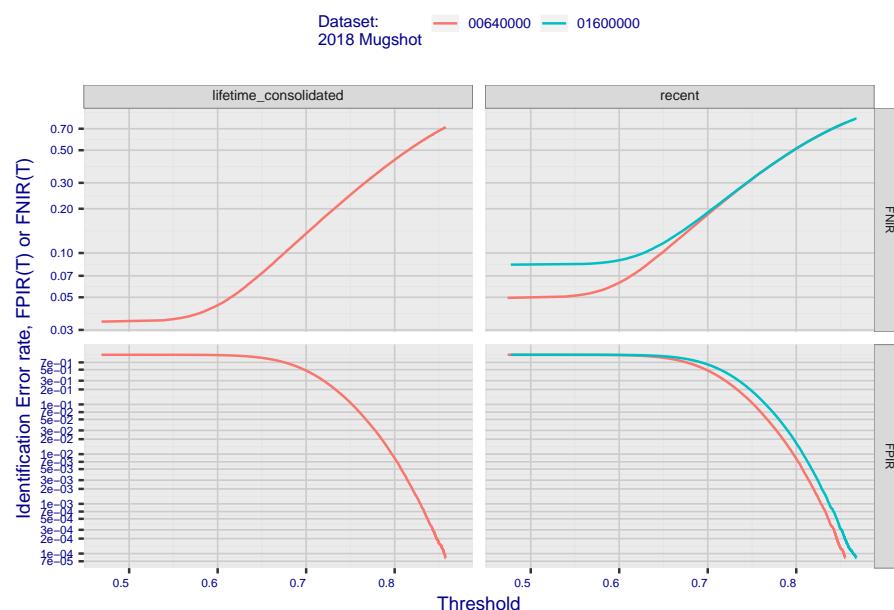


**Fig 4: DET for various N. Links connect points of equal threshold.**

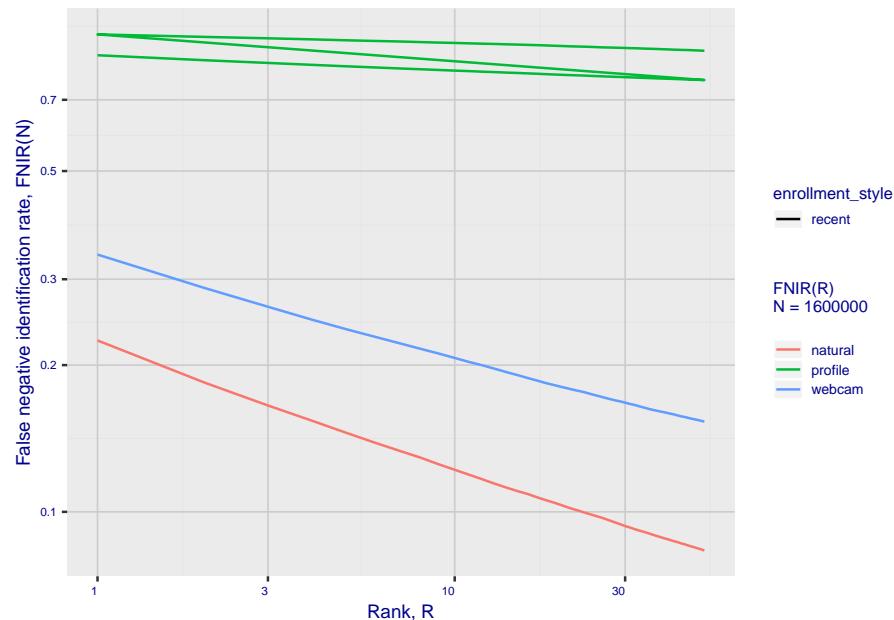


## 2. Report for algorithm camvi\_1 2020-03-20 13:12:39

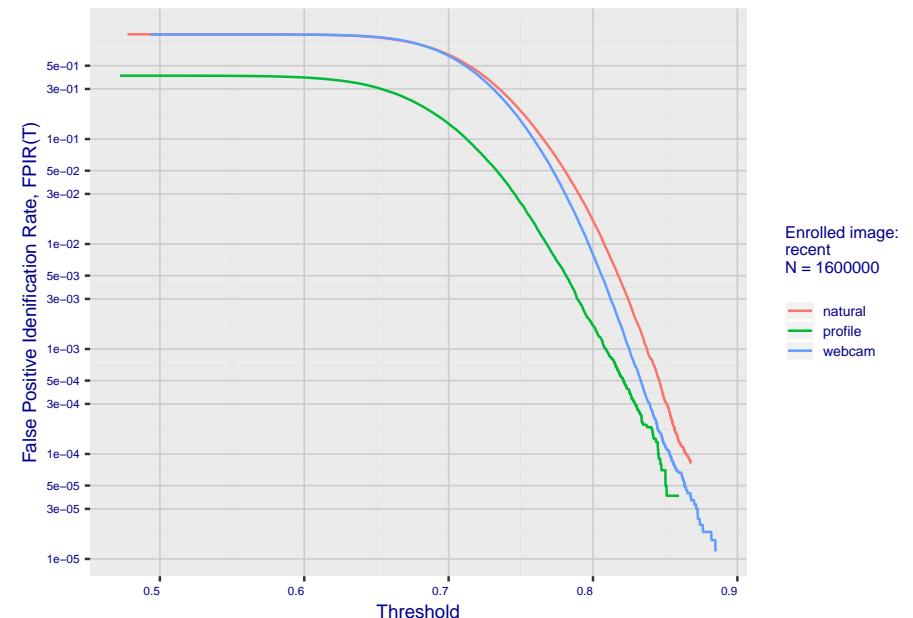
**Fig 5: Dependence on T by number enrolled identities**



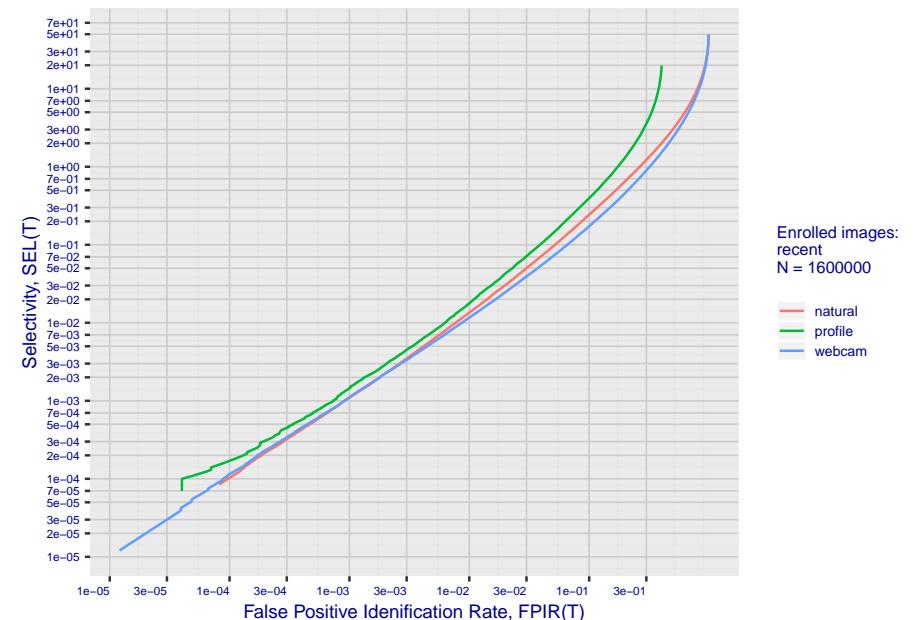
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm camvi\_1 2020-03-20 13:12:39

Fig 10: Template duration; search duration vs. N

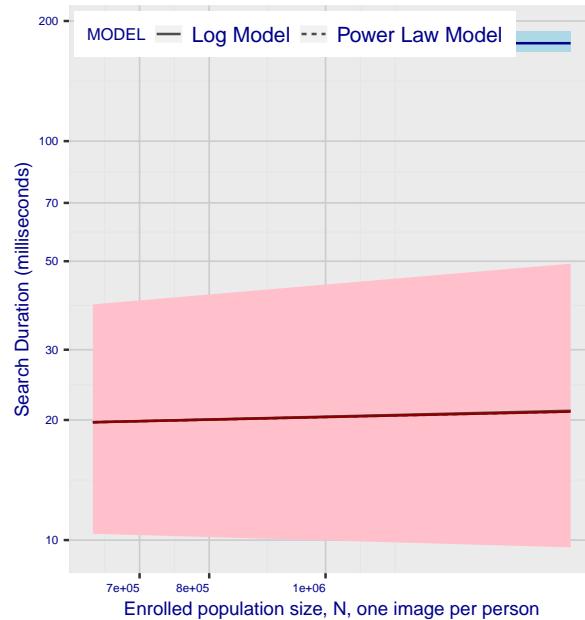
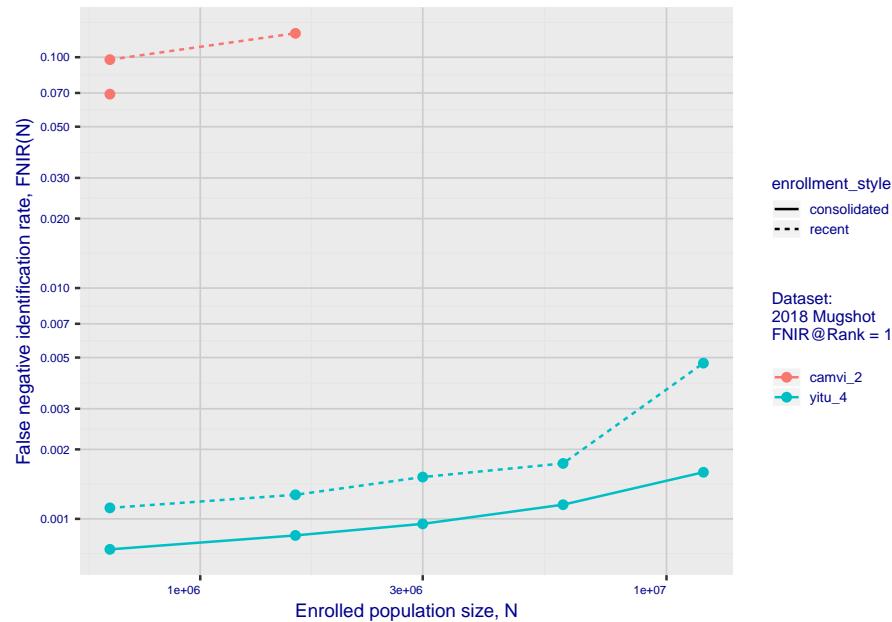


Fig 11: Datasheet

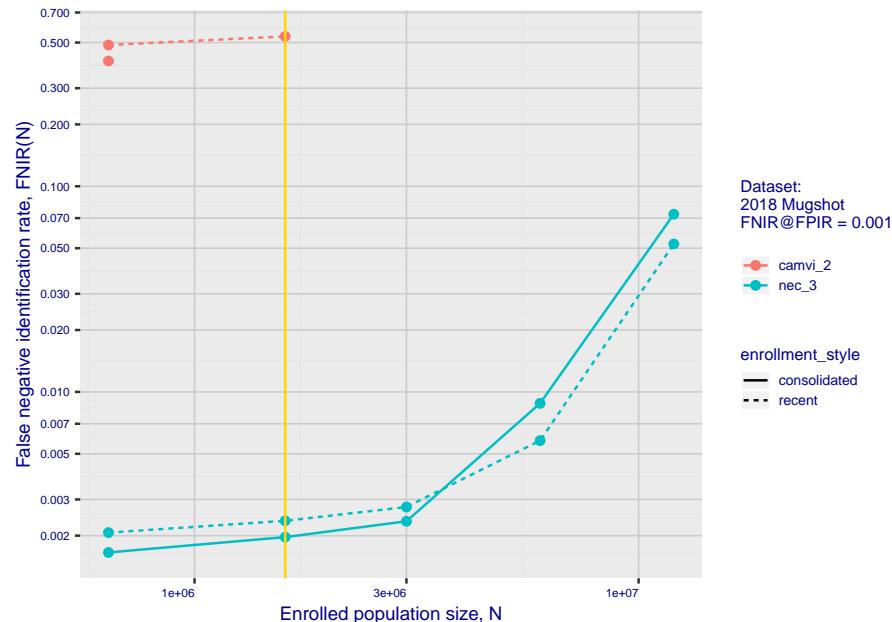
Algorithm:	camvi_1
Developer:	Camvi Technologies
Submission Date:	2018_02_16
Template size:	1024 bytes
Template time (2.5 percentile):	167 msec
Template time (median):	176 msec
Template time (97.5 percentile):	188 msec
Investigation rank 215 -- FNIR(1600000, 0, 1) = 0.2247 vs. lowest 0.0010 from sensetime_003	
Identification rank 207 -- FNIR(1600000, T, L+1) = 0.6836	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm camvi\_2 2020-03-20 13:12:39

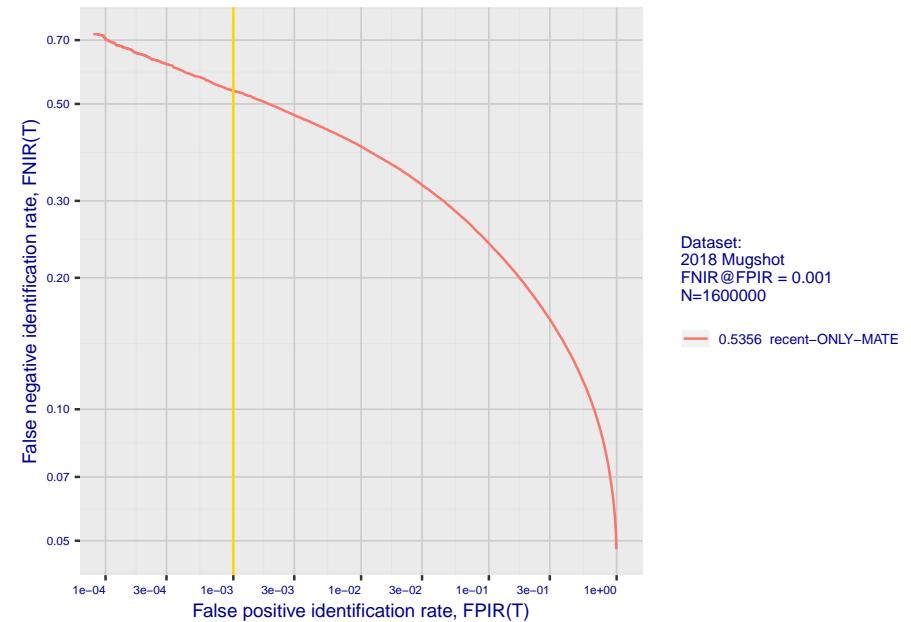
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



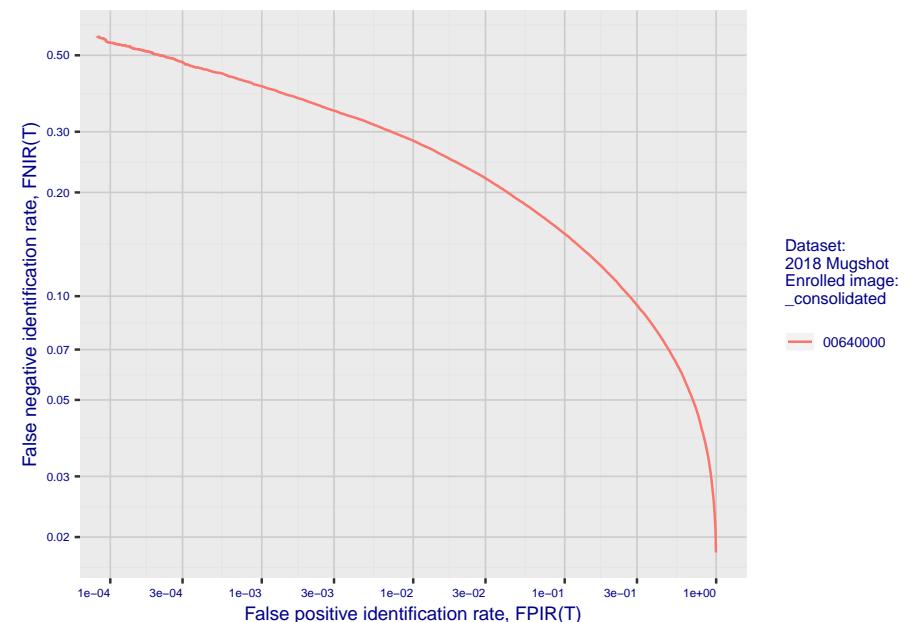
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

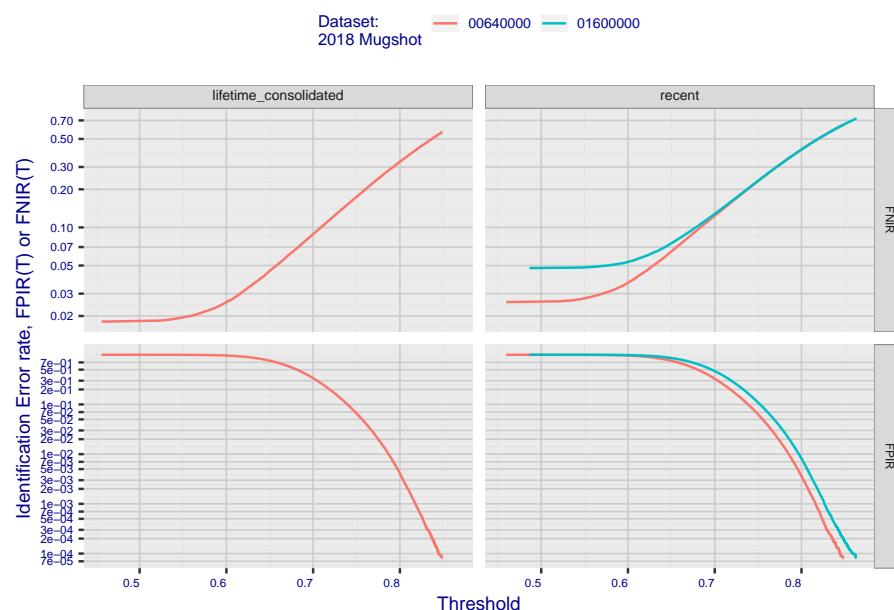


**Fig 4: DET for various N. Links connect points of equal threshold.**

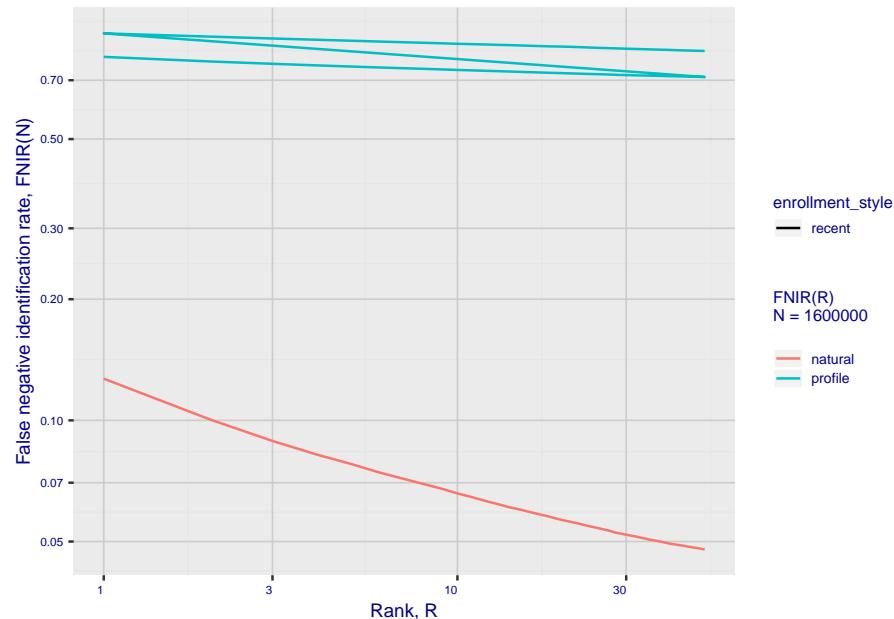


## 2. Report for algorithm camvi\_2 2020-03-20 13:12:39

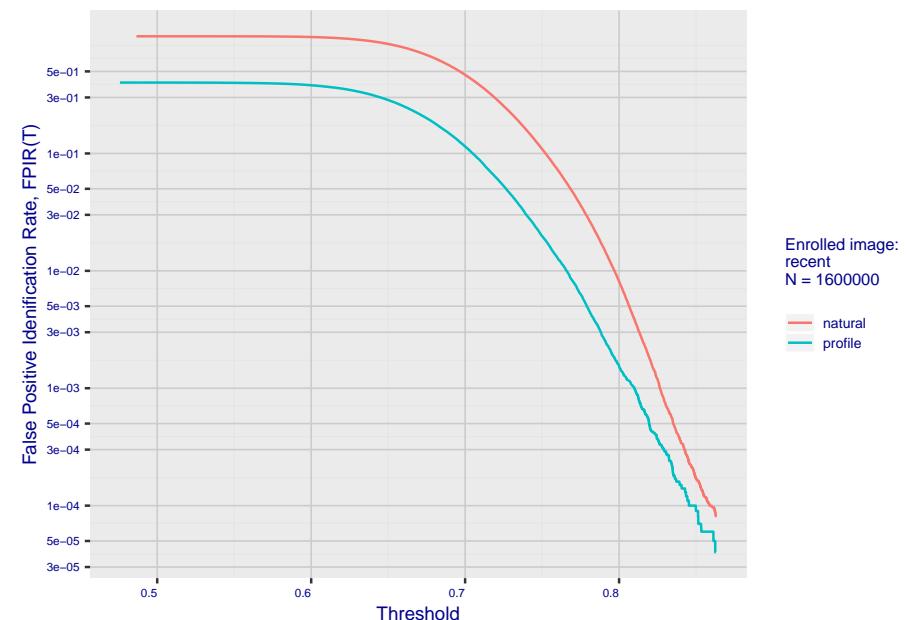
**Fig 5: Dependence on T by number enrolled identities**



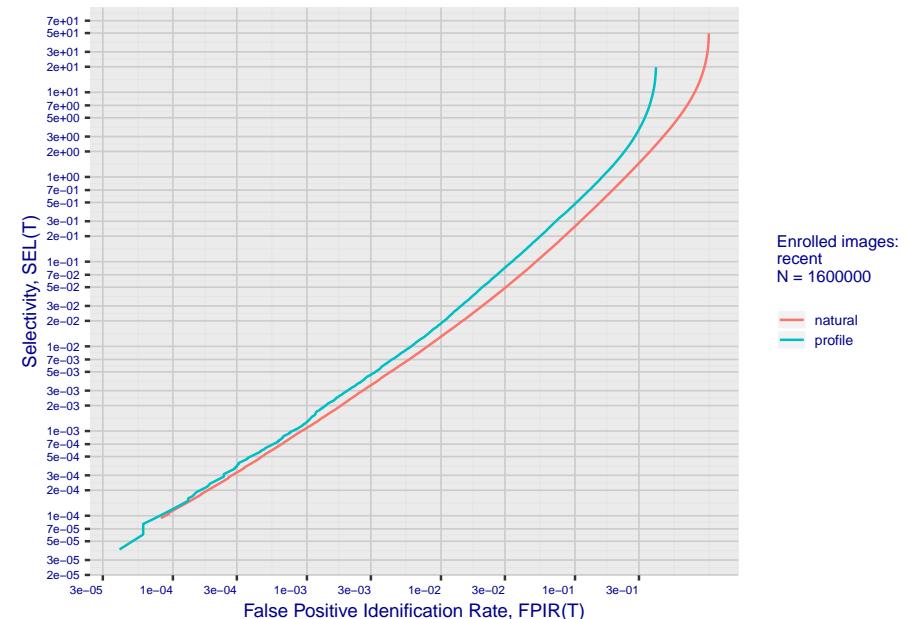
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm camvi\_2 2020-03-20 13:12:39

Fig 10: Template duration; search duration vs. N

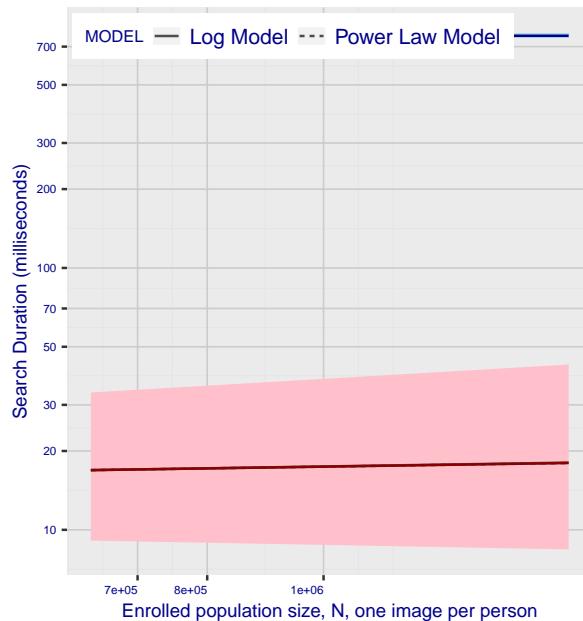
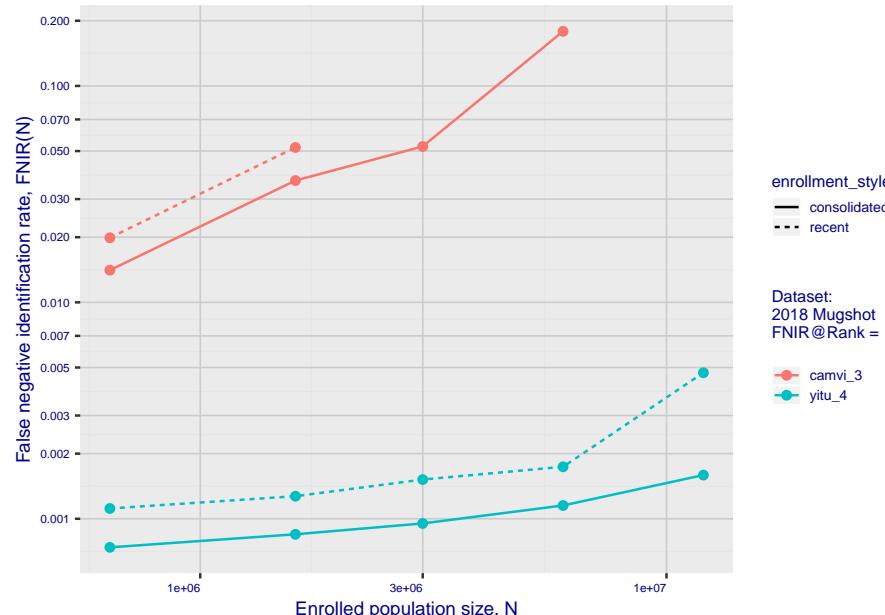


Fig 11: Datasheet

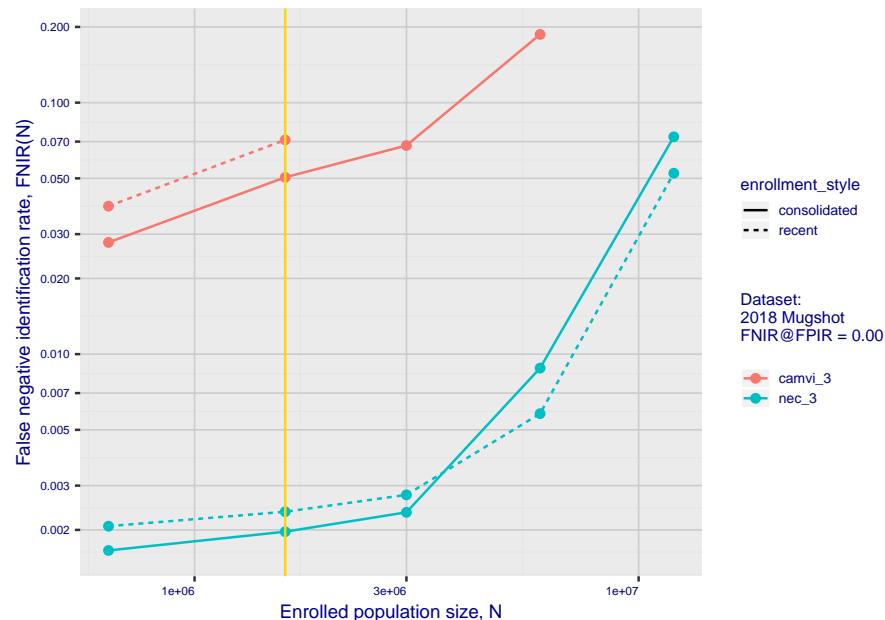
Algorithm: camvi_2
Developer: Camvi Technologies
Submission Date: 2018_02_16
Template size: 1024 bytes
Template time (2.5 percentile): 756 msec
Template time (median): 770 msec
Template time (97.5 percentile): 787 msec
Investigation rank 195 -- FNIR(1600000, 0, 1) = 0.1269 vs. lowest 0.0010 from sensetime_003
Identification rank 194 -- FNIR(1600000, T, L+1) = 0.5356
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

## 1. Report for algorithm camvi\_3 2020-03-20 13:16:21

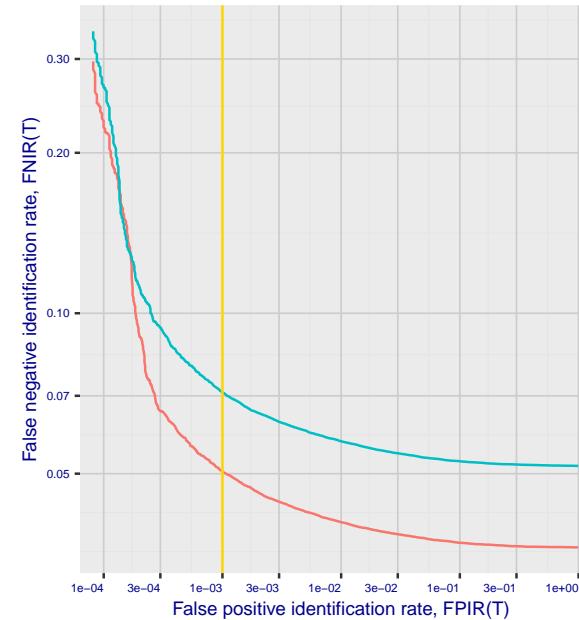
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



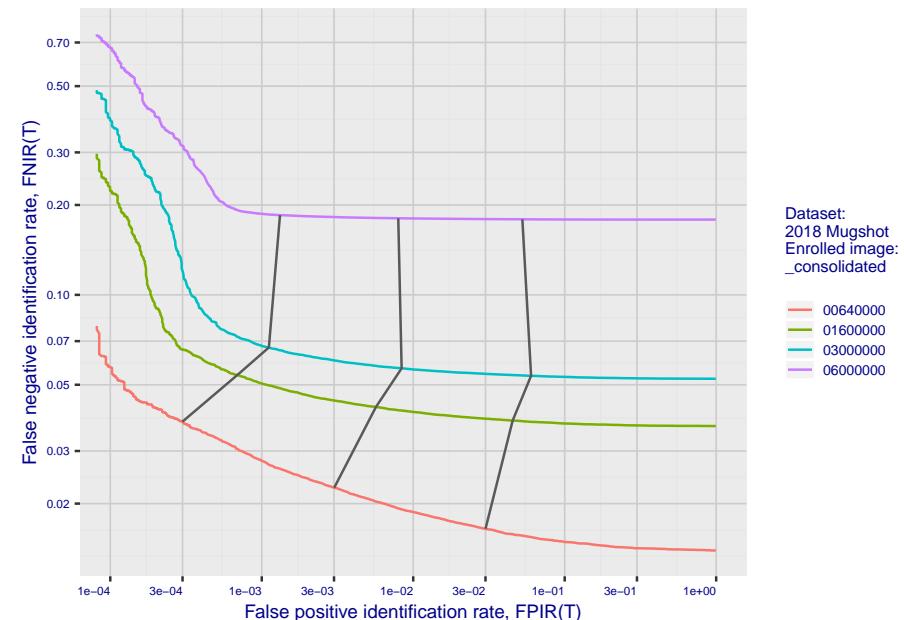
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

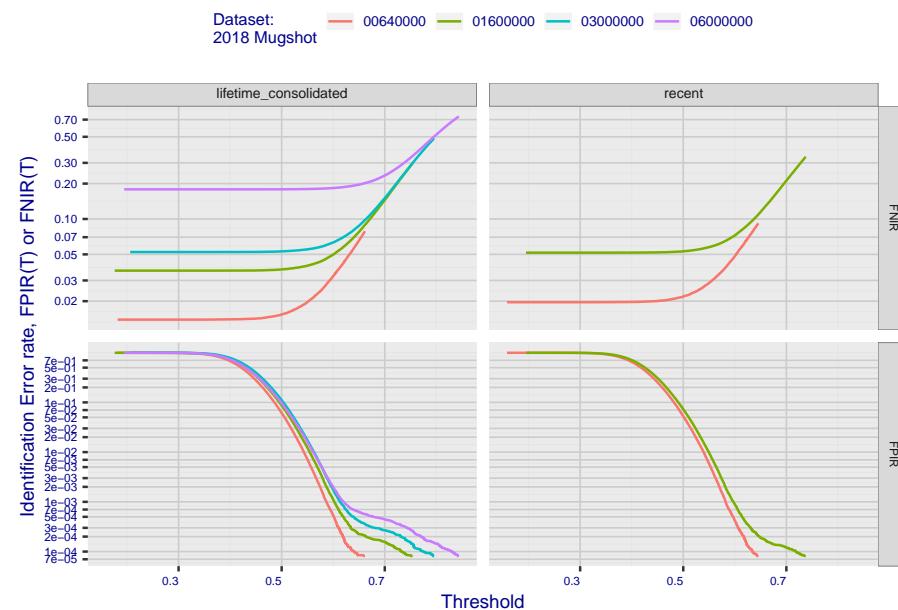


**Fig 4: DET for various N. Links connect points of equal threshold.**

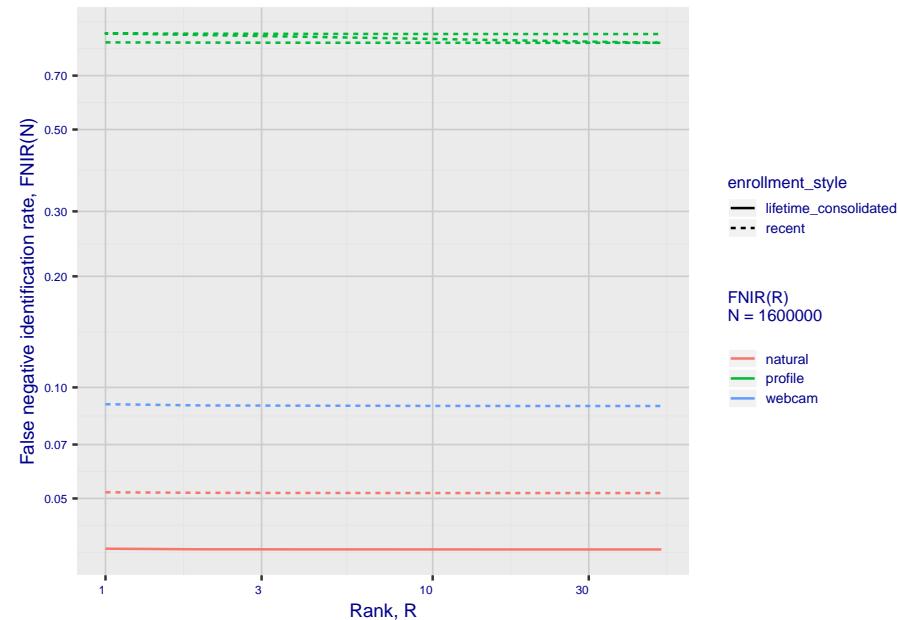


## 2. Report for algorithm camvi\_3 2020-03-20 13:16:21

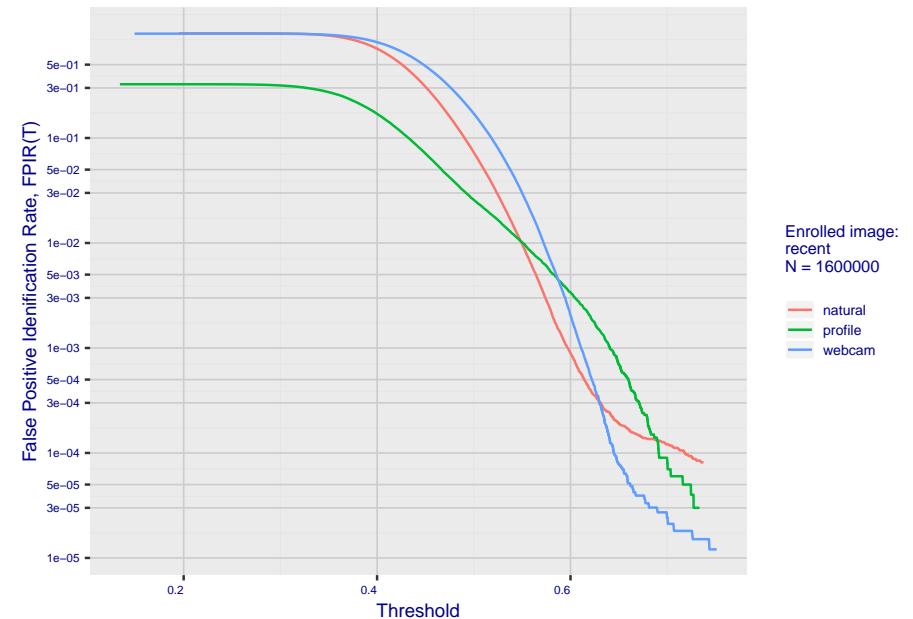
**Fig 5: Dependence on T by number enrolled identities**



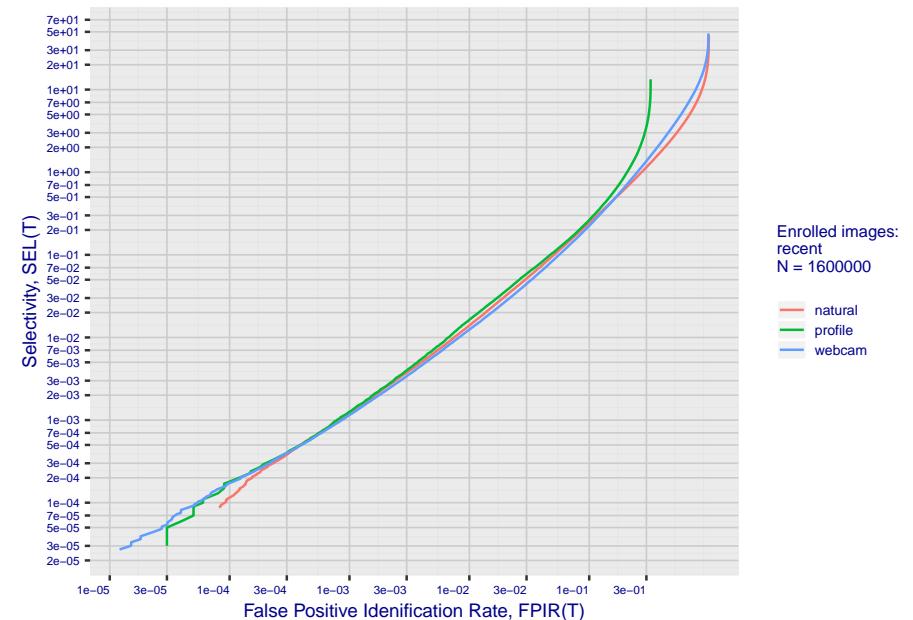
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm camvi\_3 2020-03-20 13:16:21

Fig 10: Template duration; search duration vs. N

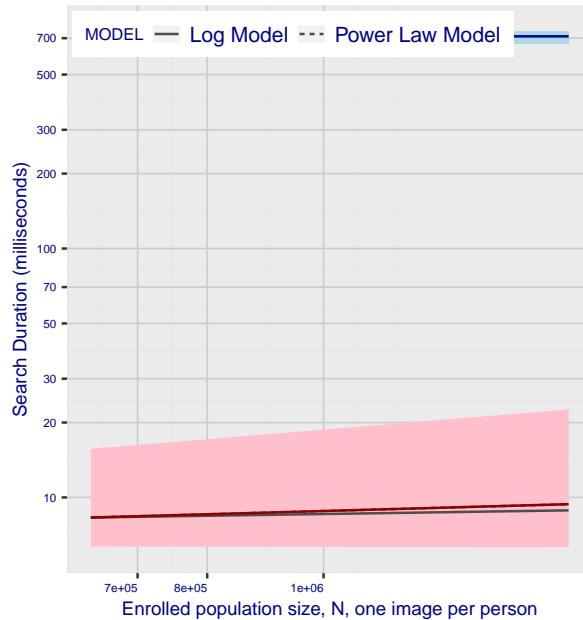
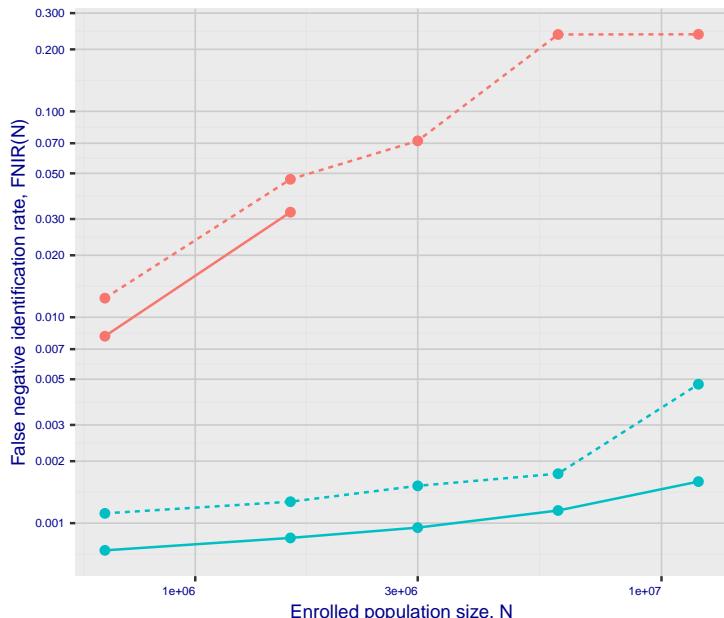


Fig 11: Datasheet

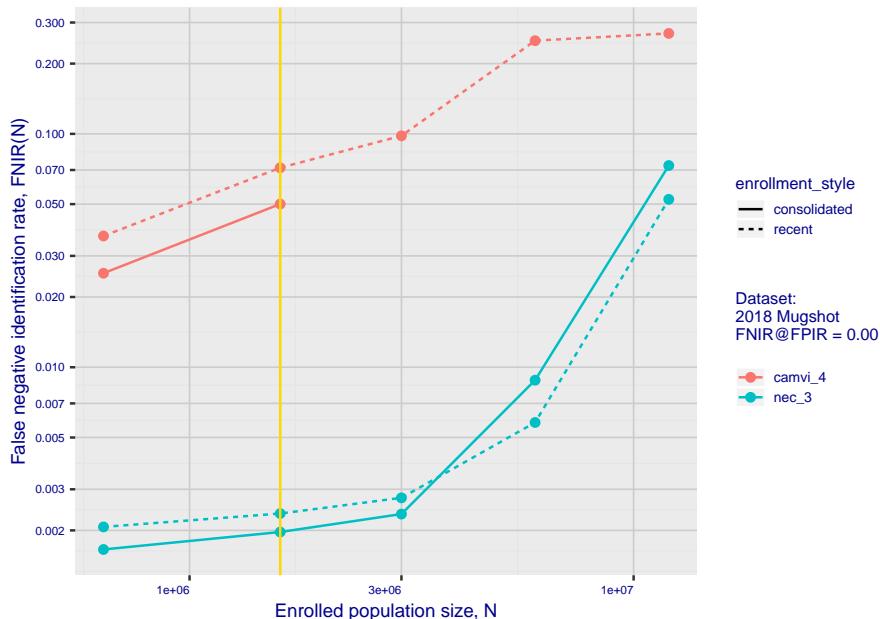
Algorithm: camvi_3
Developer: Camvi Technologies
Submission Date: 2018_06_30
Template size: 1024 bytes
Template time (2.5 percentile): 665 msec
Template time (median): 712 msec
Template time (97.5 percentile): 746 msec
Investigation rank 175 -- FNIR(1600000, 0, 1) = 0.0520 vs. lowest 0.0010 from sensetime_003
Identification rank 83 -- FNIR(1600000, T, L+1) = 0.0711
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm camvi\_4 2020-03-20 13:14:33

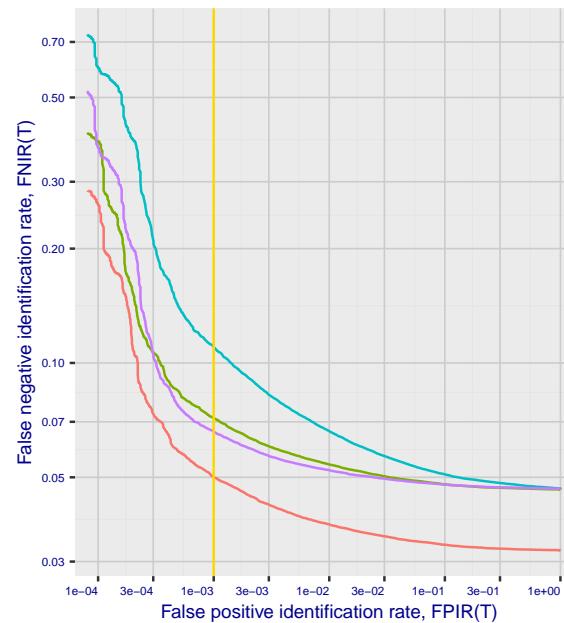
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



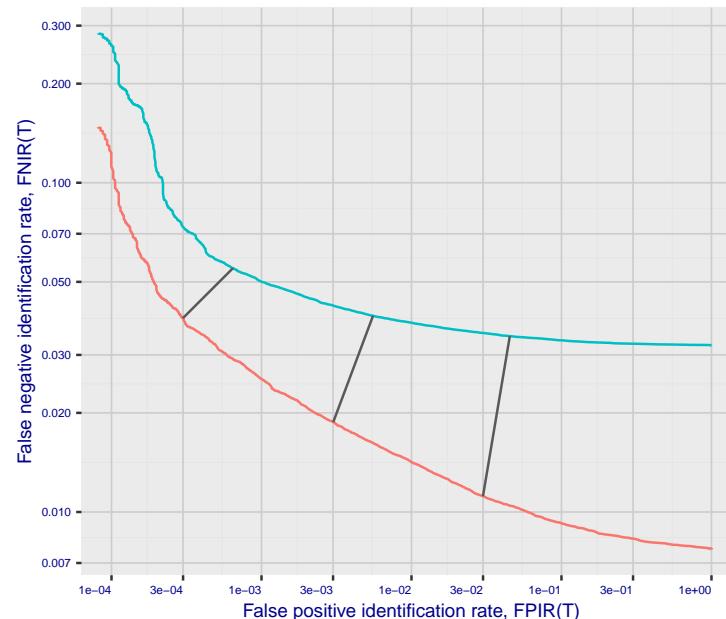
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

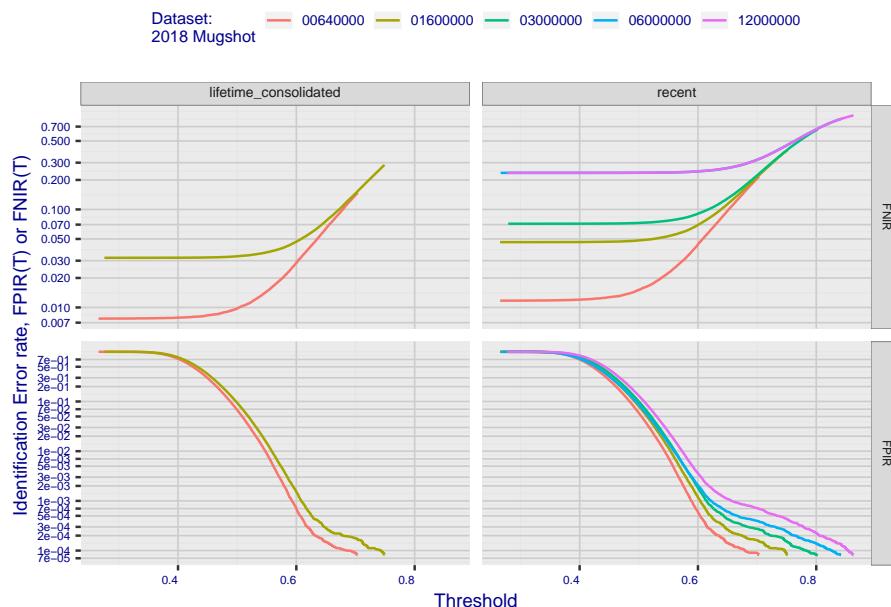


**Fig 4: DET for various N. Links connect points of equal threshold.**

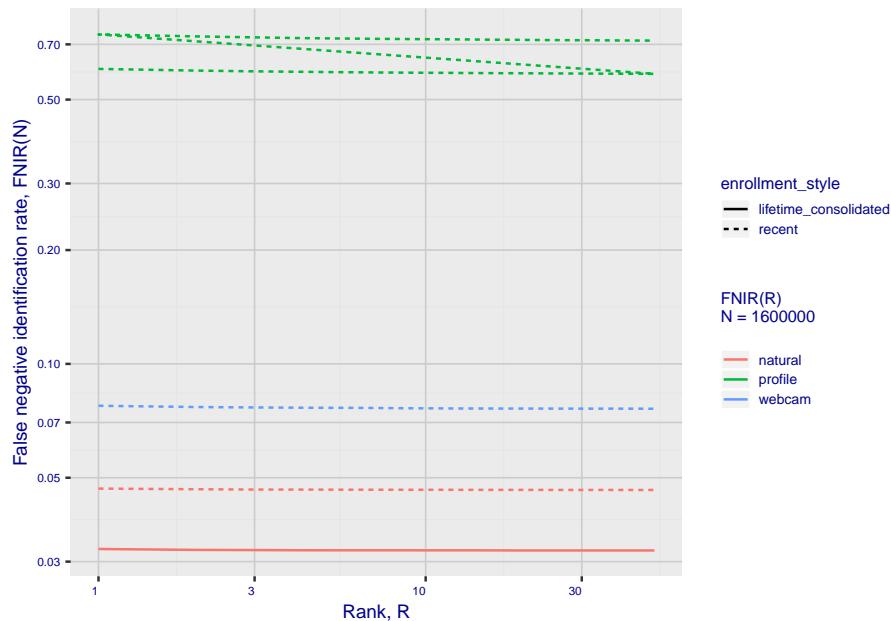


## 2. Report for algorithm camvi\_4 2020-03-20 13:14:33

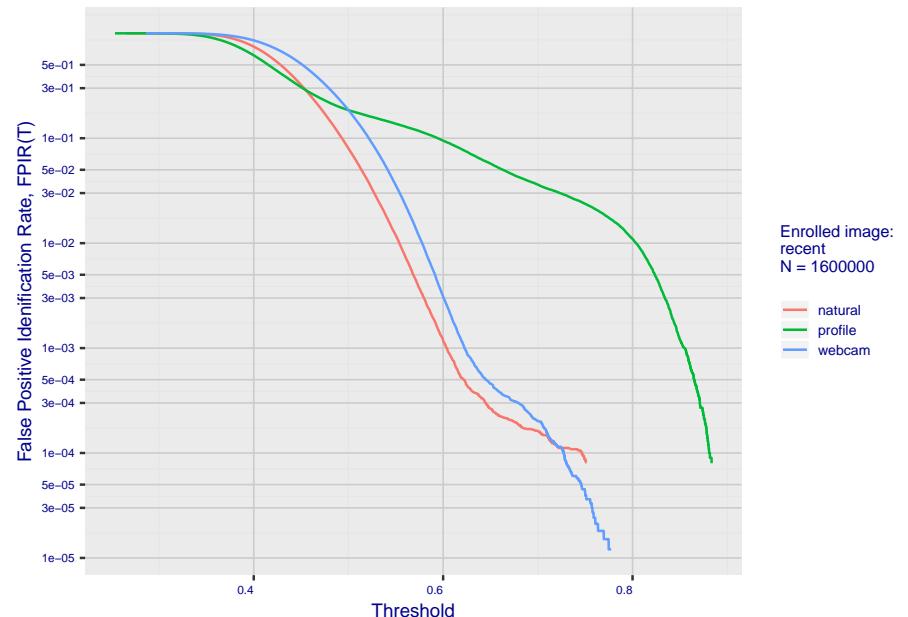
**Fig 5: Dependence on T by number enrolled identities**



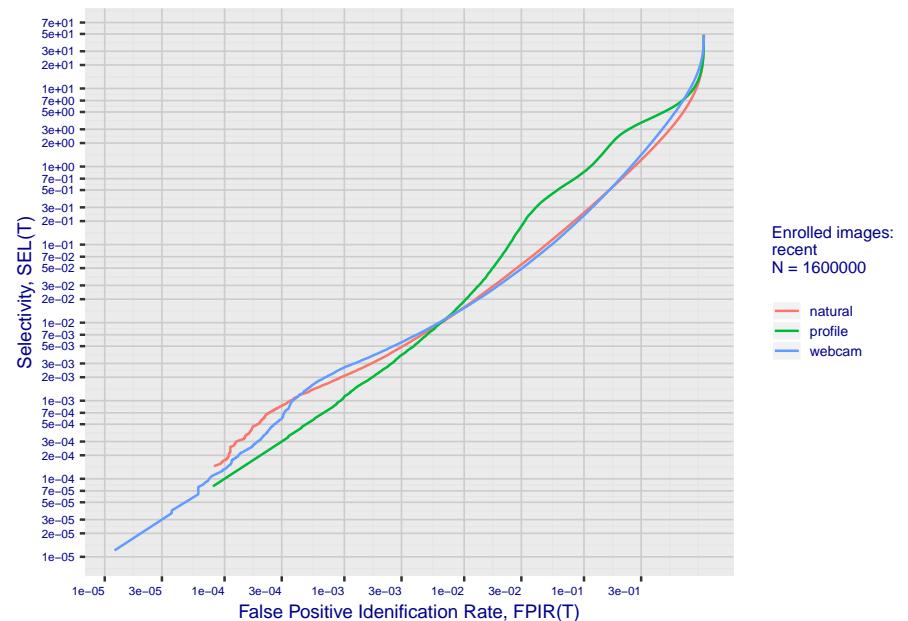
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

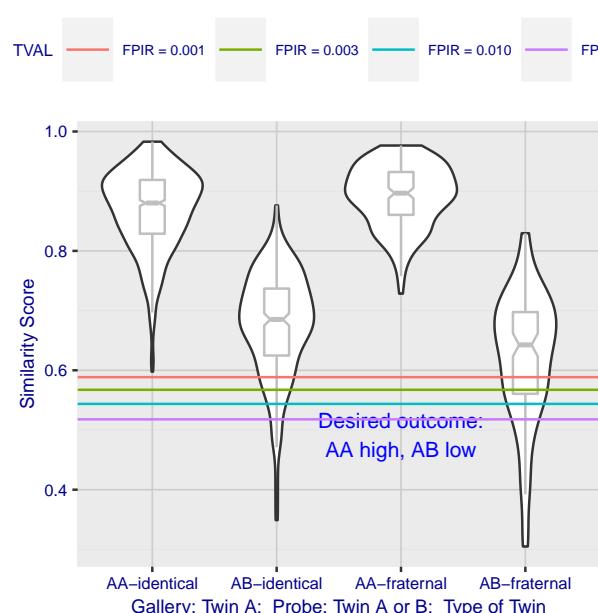


**Fig 8: FPIR vs. Selectivity**

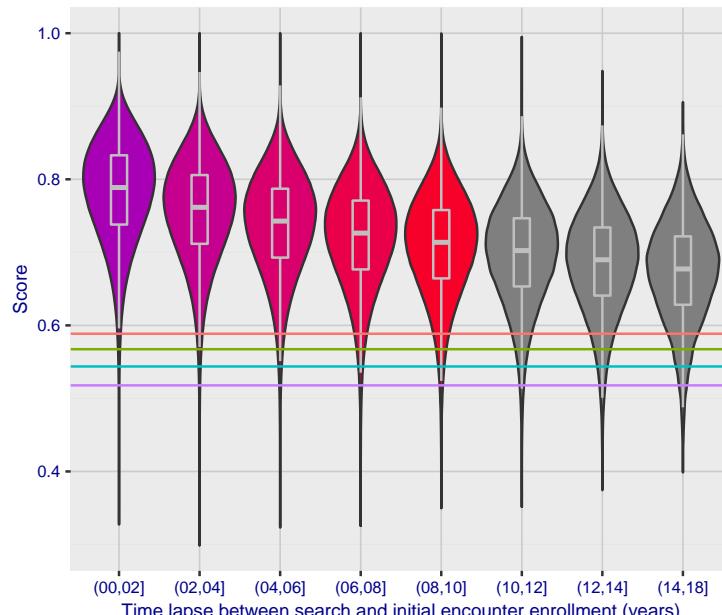


### 3. Report for algorithm camvi\_4 2020-03-20 13:14:33

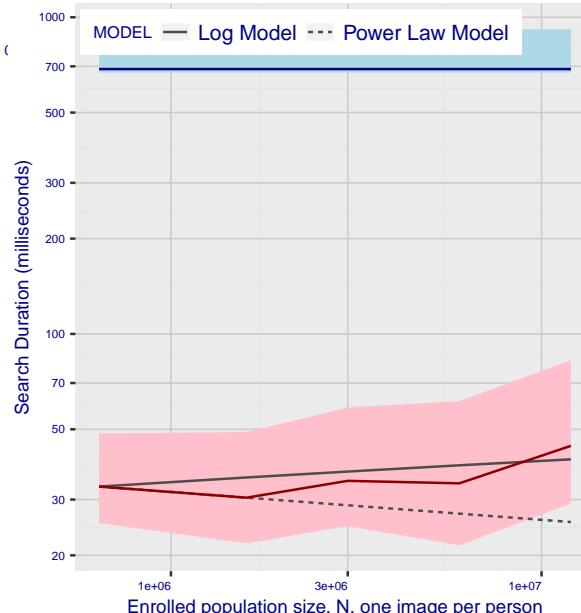
**Fig 9: Solo-Twin and Twin-Twin similarity scores**



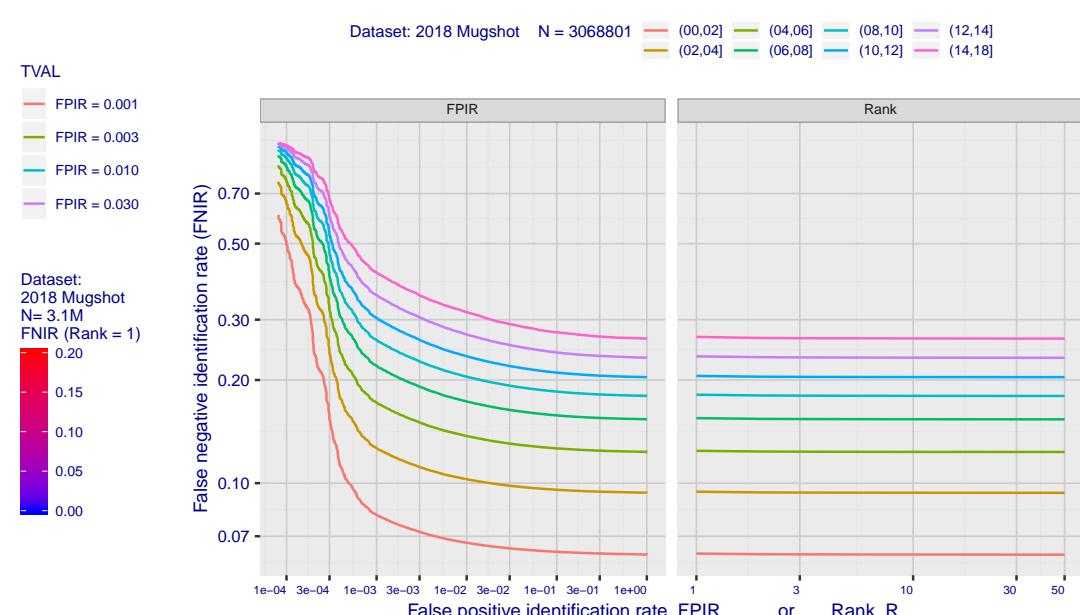
**Fig 12: Decline of genuine scores with ageing**



**Fig 10: Template duration; search duration vs. N**



**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

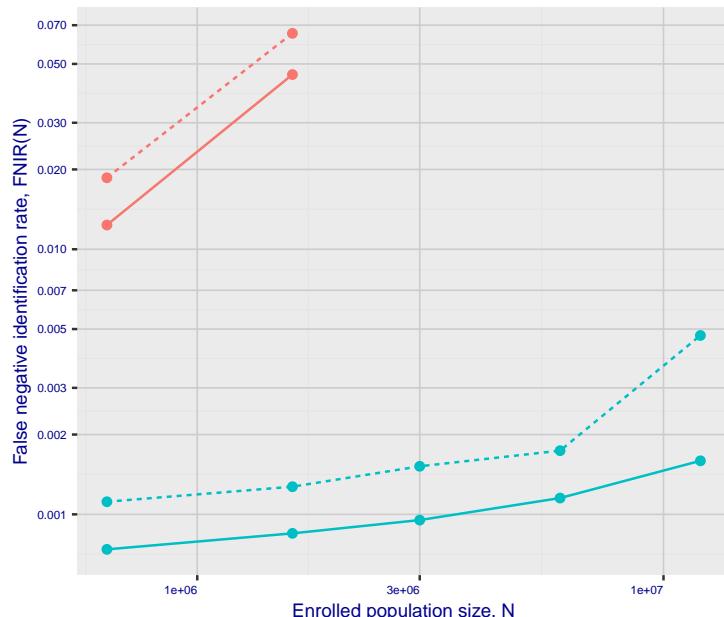


**Fig 11: Datasheet**

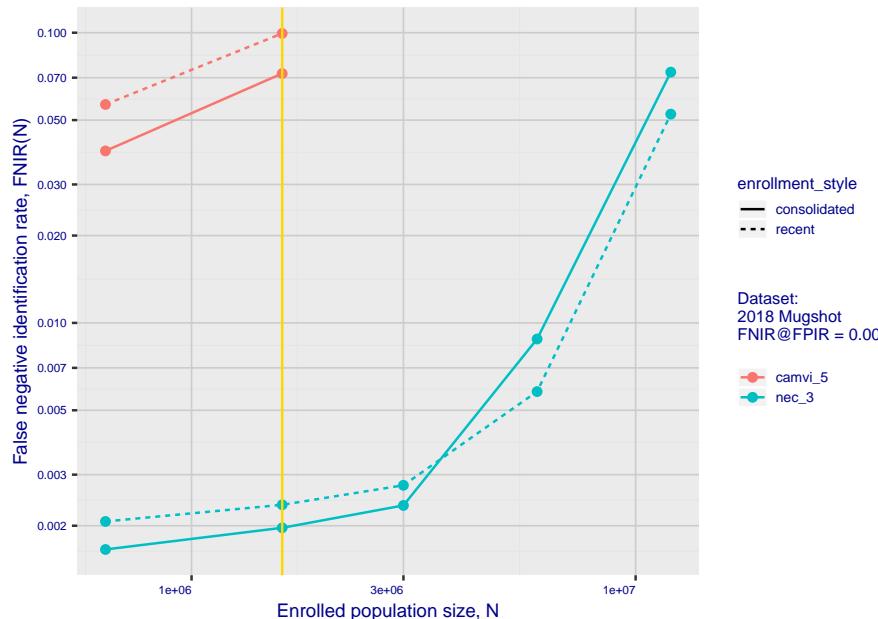
Algorithm:	camvi_4
Developer:	Camvi Technologies
Submission Date:	2018_10_30
Template size:	1024 bytes
Template time (2.5 percentile):	669 msec
Template time (median):	686 msec
Template time (97.5 percentile):	916 msec
Investigation rank 172 -- FNIR(1600000, 0, 1) = 0.0468 vs. lowest 0.0010 from sensetime_003	
Identification rank 84 -- FNIR(1600000, T, L+1) = 0.0716	
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm camvi\_5 2020-03-20 13:14:32

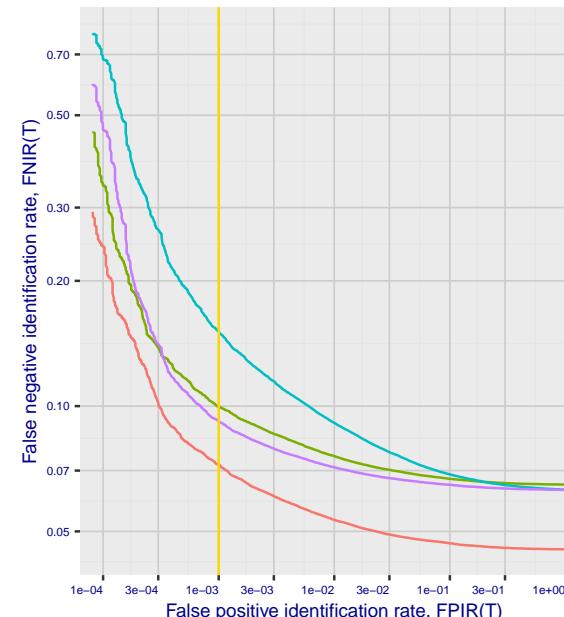
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



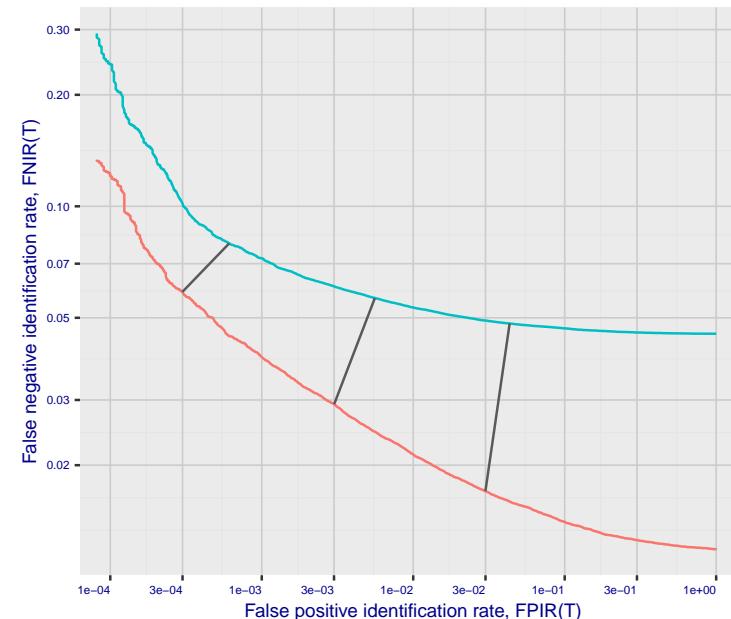
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**

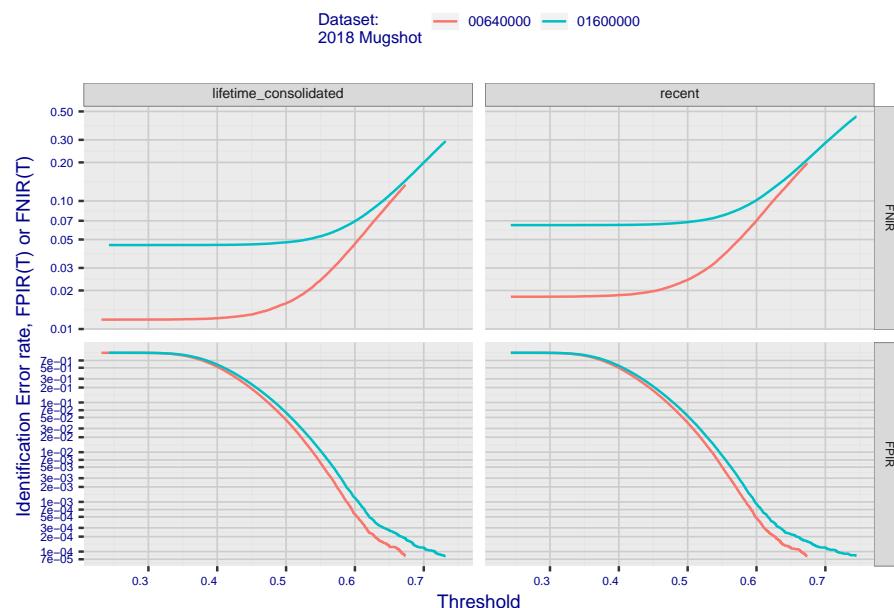


b

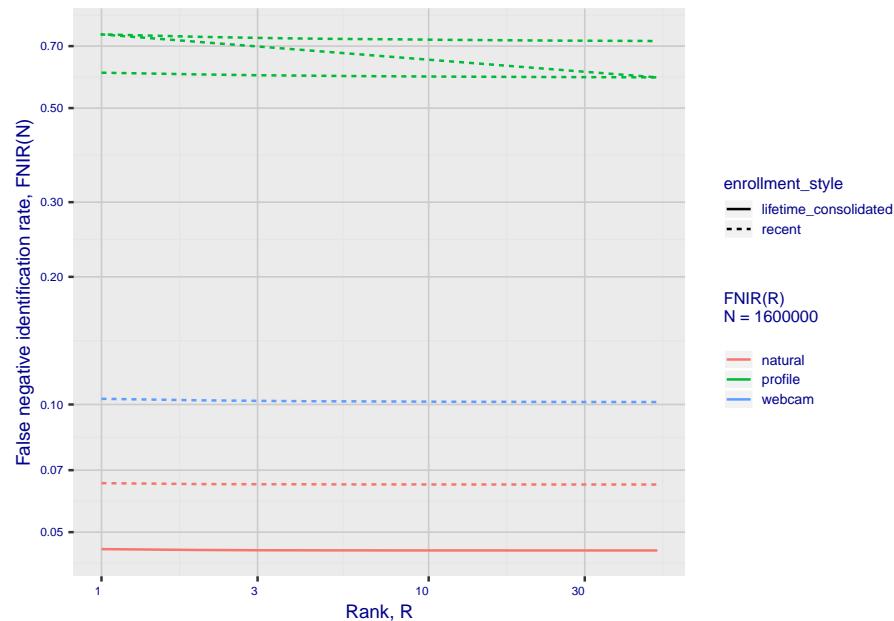
c

## 2. Report for algorithm camvi\_5 2020-03-20 13:14:32

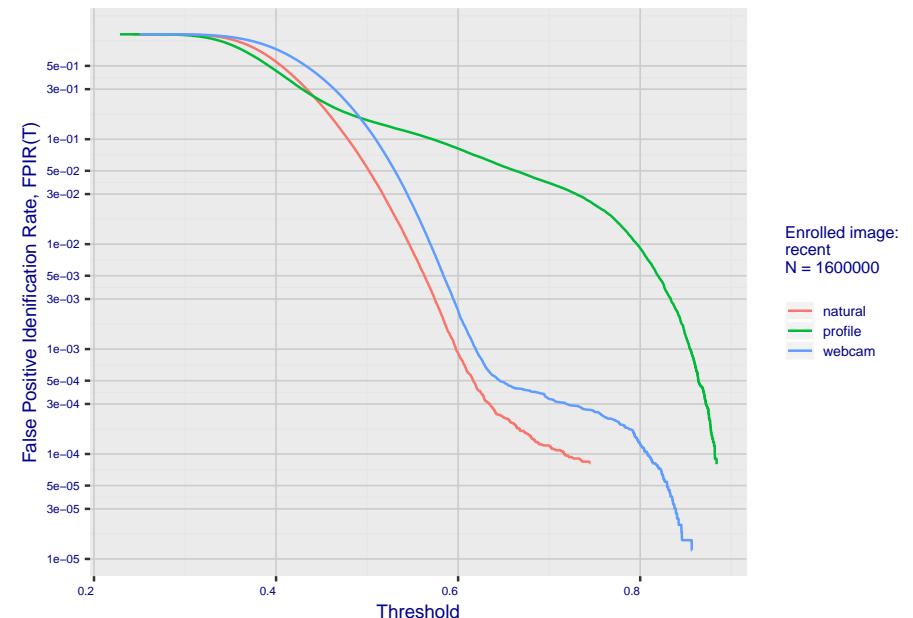
**Fig 5: Dependence on T by number enrolled identities**



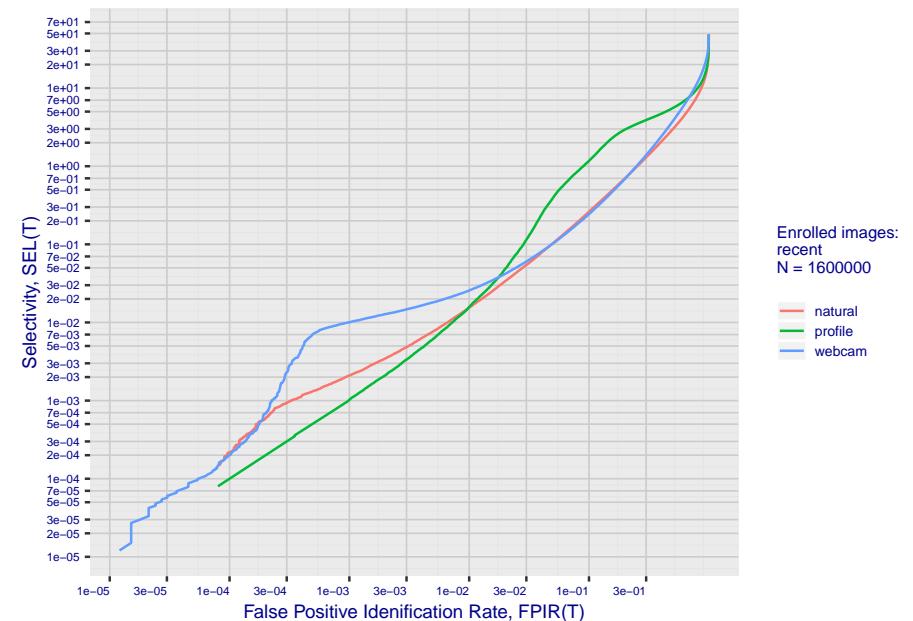
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm camvi\_5 2020-03-20 13:14:32

Fig 10: Template duration; search duration vs. N

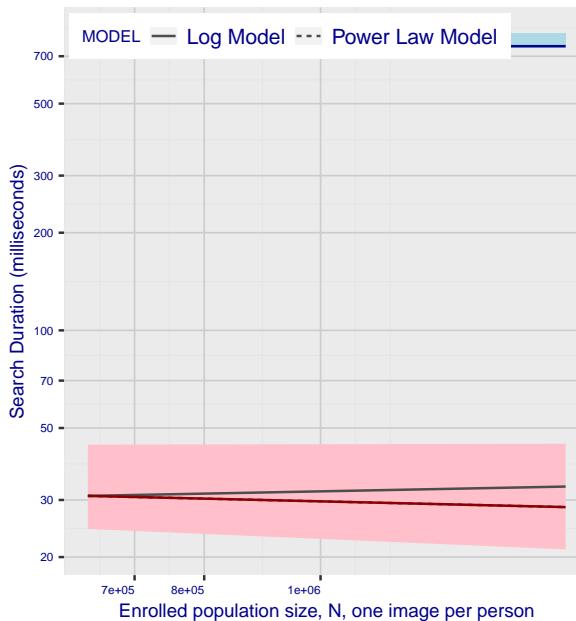
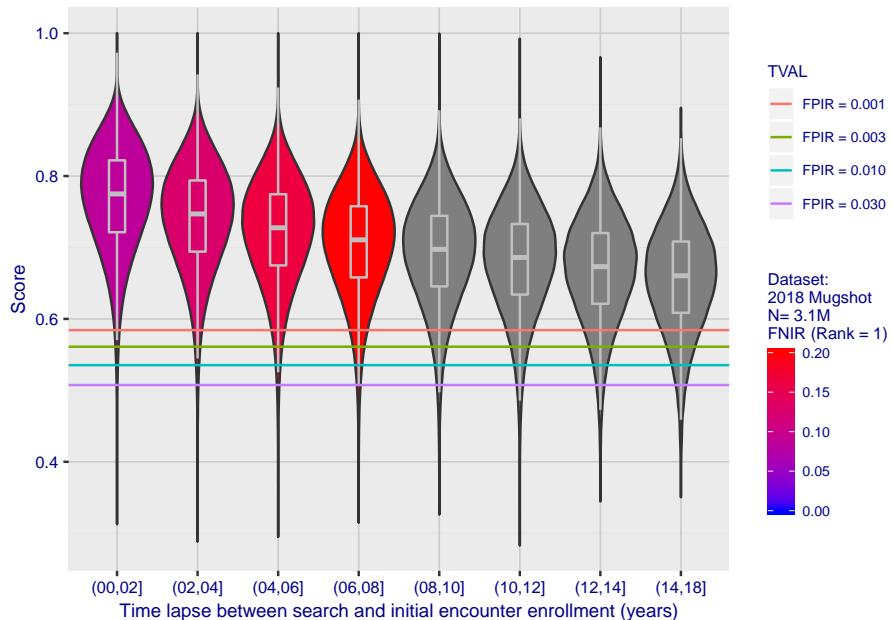


Fig 11: Datasheet

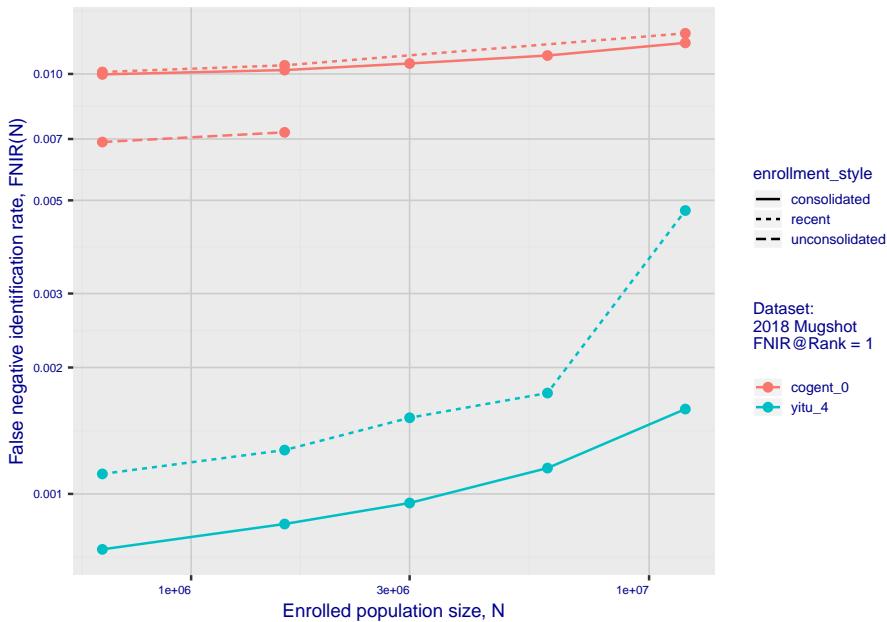
Algorithm: camvi_5
Developer: Camvi Technologies
Submission Date: 2018_10_30
Template size: 1024 bytes
Template time (2.5 percentile): 743 msec
Template time (median): 752 msec
Template time (97.5 percentile): 824 msec
Investigation rank 181 -- FNIR(1600000, 0, 1) = 0.0652 vs. lowest 0.0010 from sensetime_003
Identification rank 106 -- FNIR(1600000, T, L+1) = 0.0995
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

Fig 12: Decline of genuine scores with ageing

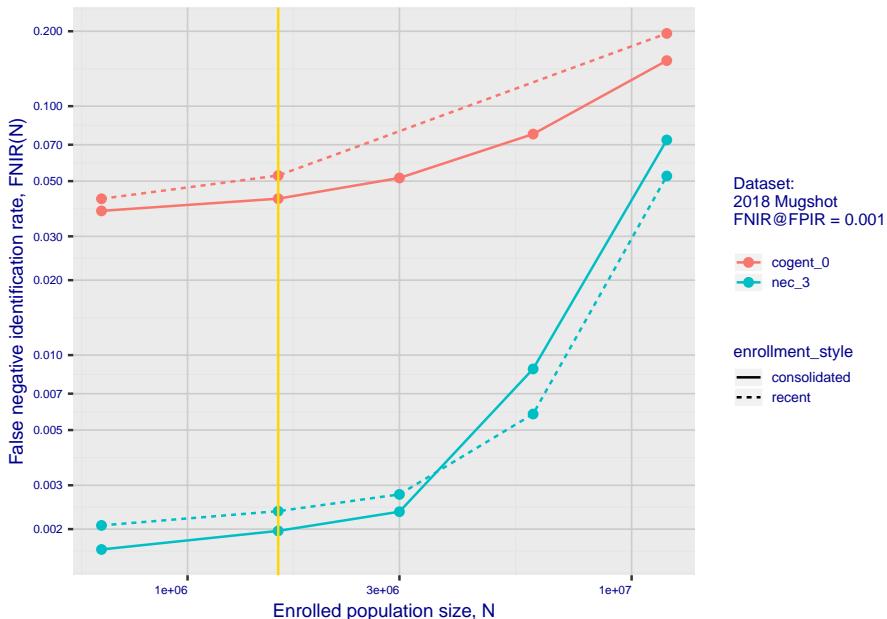


# 1. Report for algorithm cogent\_0 2020-03-20 13:14:34

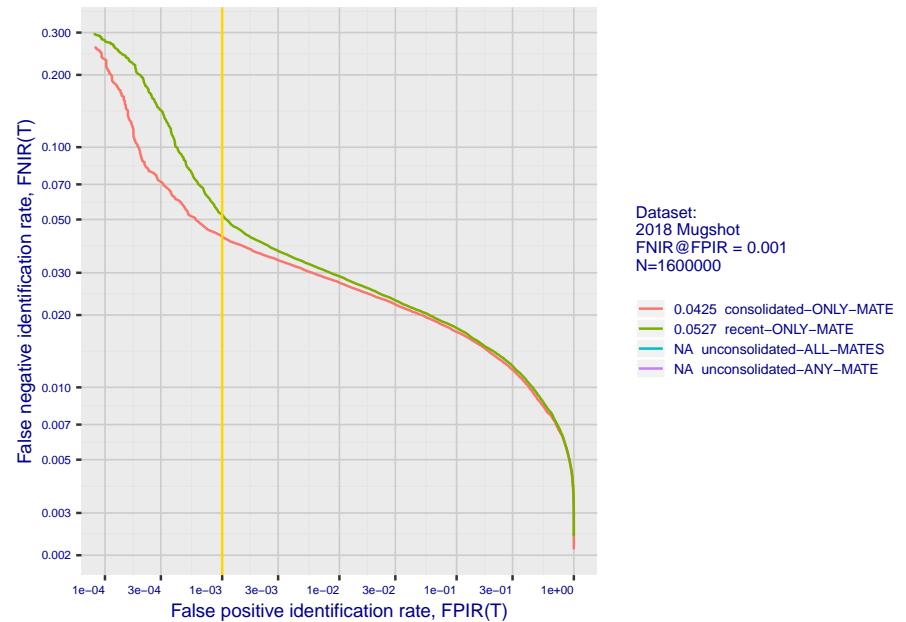
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



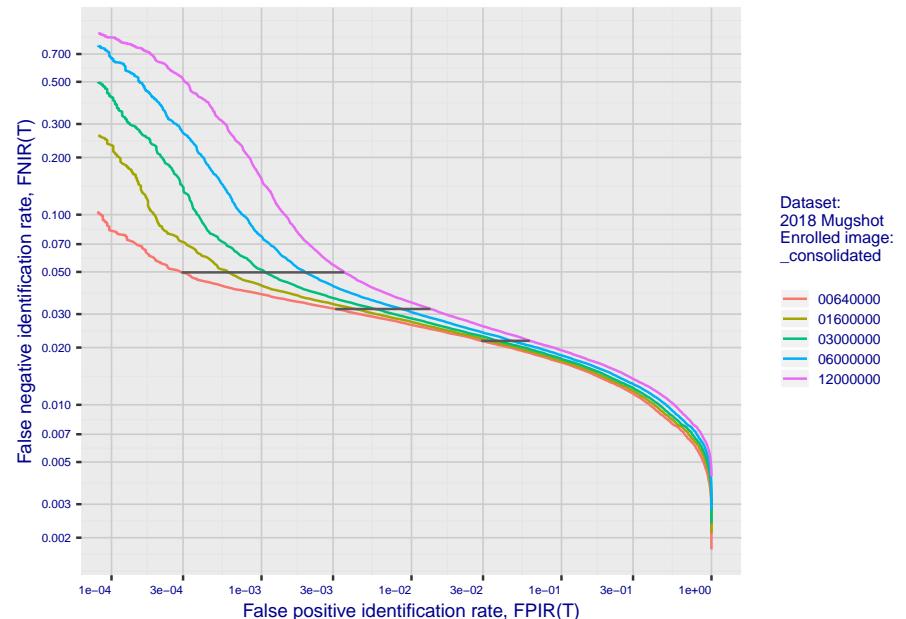
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

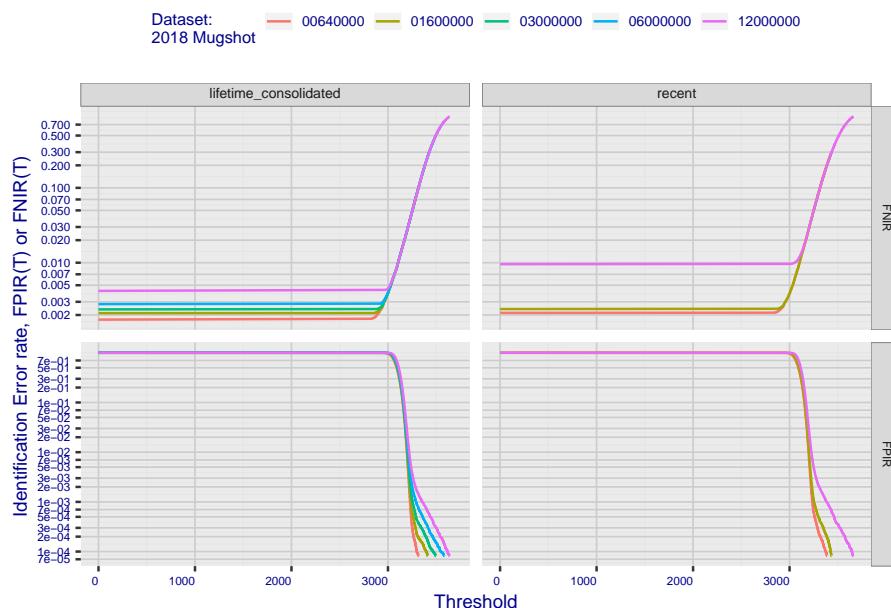


**Fig 4: DET for various N. Links connect points of equal threshold.**

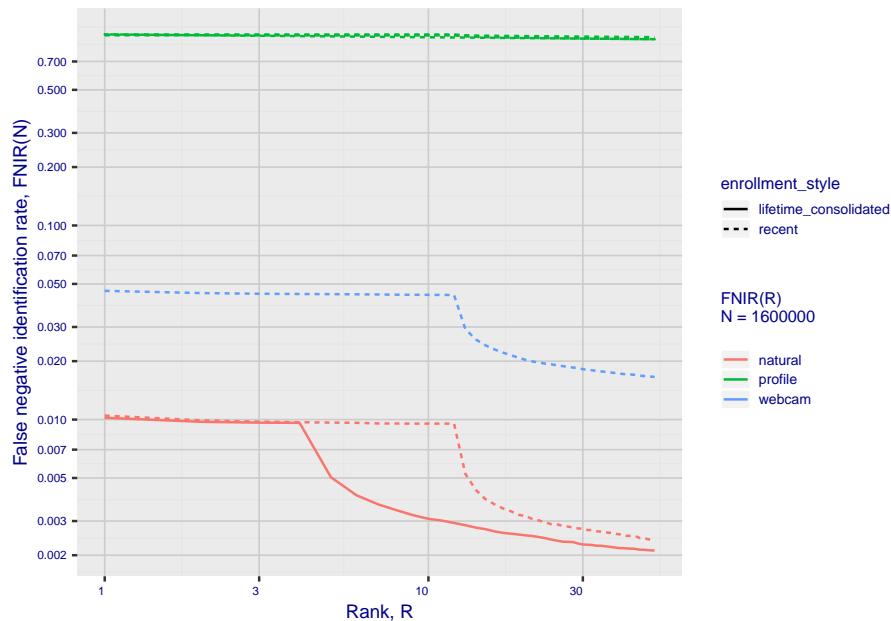


## 2. Report for algorithm cogent\_0 2020-03-20 13:14:34

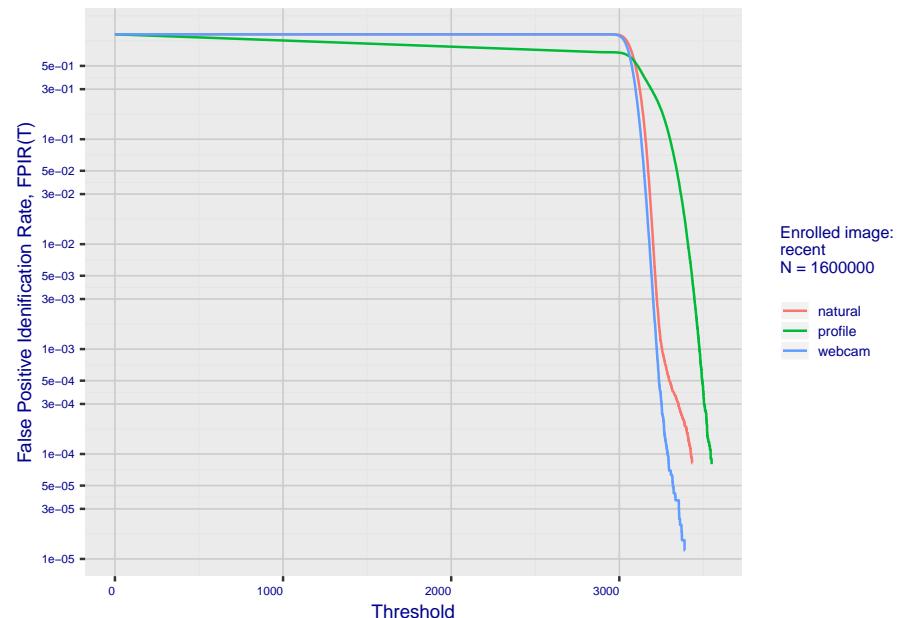
**Fig 5: Dependence on T by number enrolled identities**



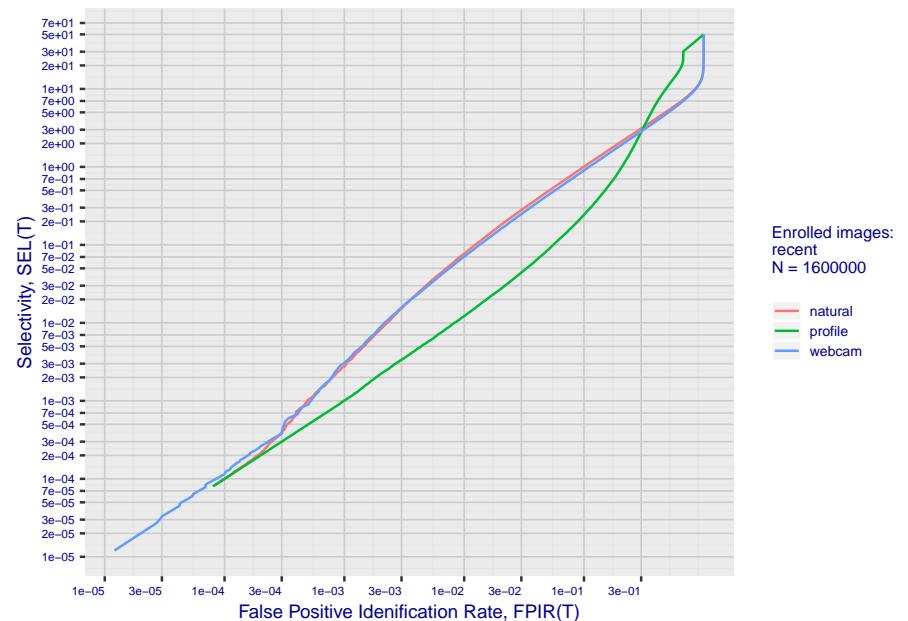
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

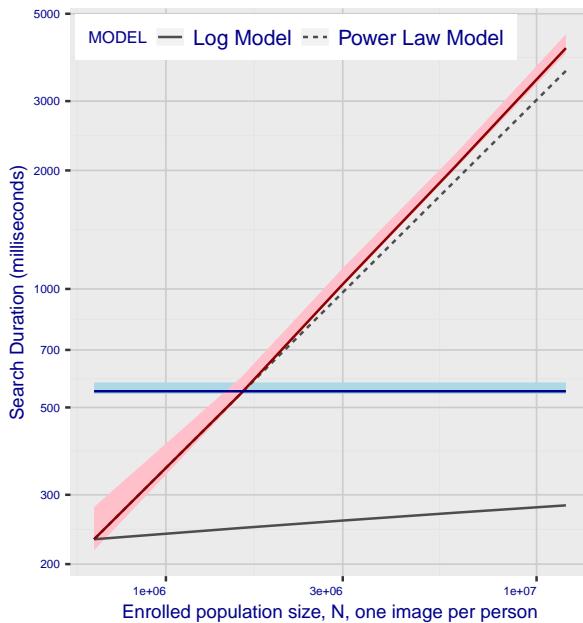


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm cogent\_0 2020-03-20 13:14:34

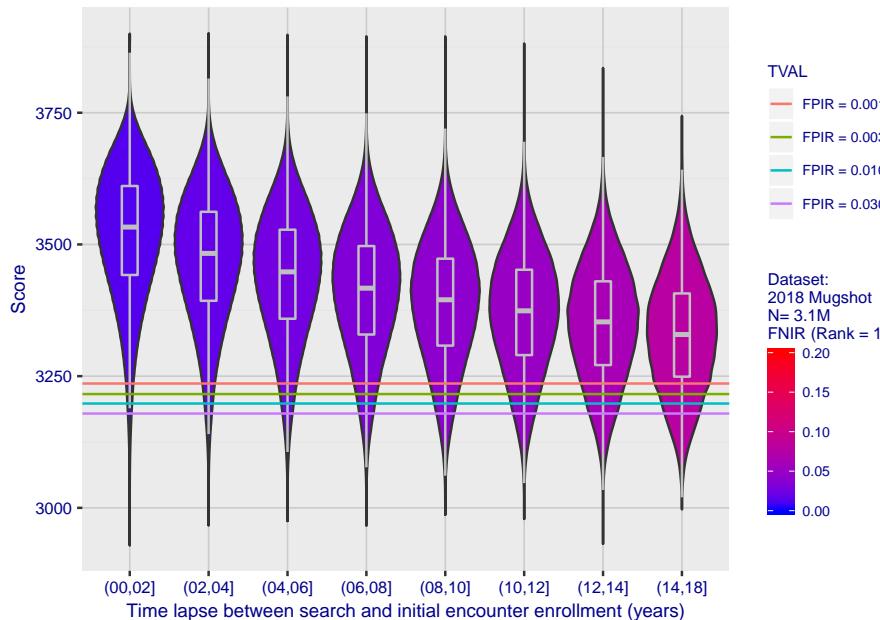
**Fig 10: Template duration; search duration vs. N**



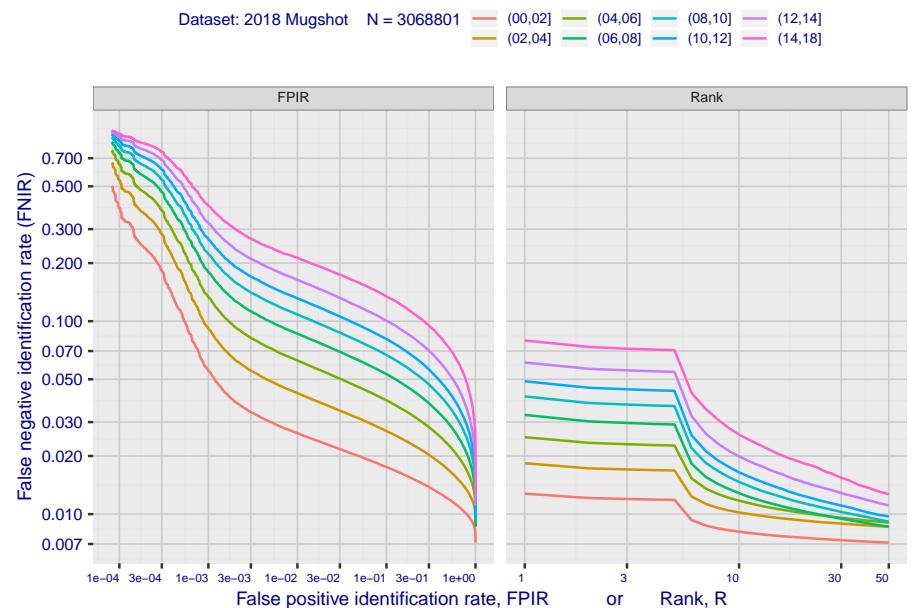
**Fig 11: Datasheet**

Algorithm: cogent_0
Developer: Thales
Submission Date: 2018_06_20
Template size: 525 bytes
Template time (2.5 percentile): 541 msec
Template time (median): 550 msec
Template time (97.5 percentile): 579 msec
Investigation rank 102 -- FNIR(1600000, 0, 1) = 0.0105 vs. lowest 0.0010 from sensetime_003
Identification rank 64 -- FNIR(1600000, T, L+1) = 0.0527
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

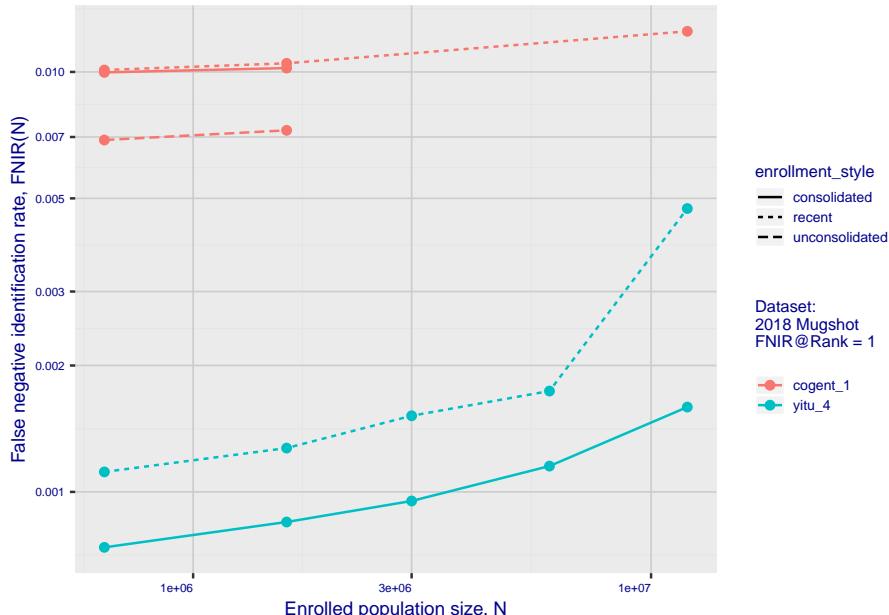


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

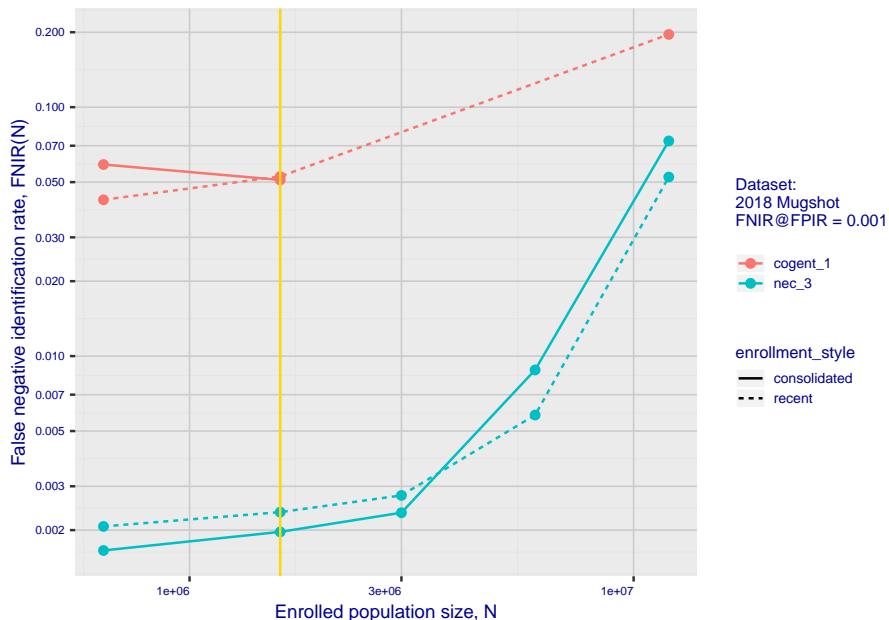


# 1. Report for algorithm cogent\_1 2020-03-20 13:14:32

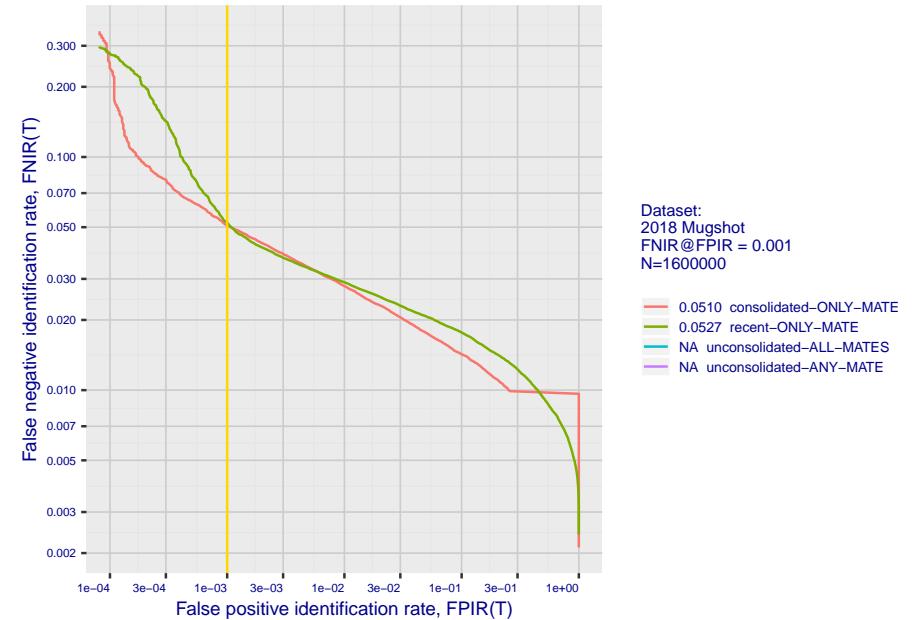
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



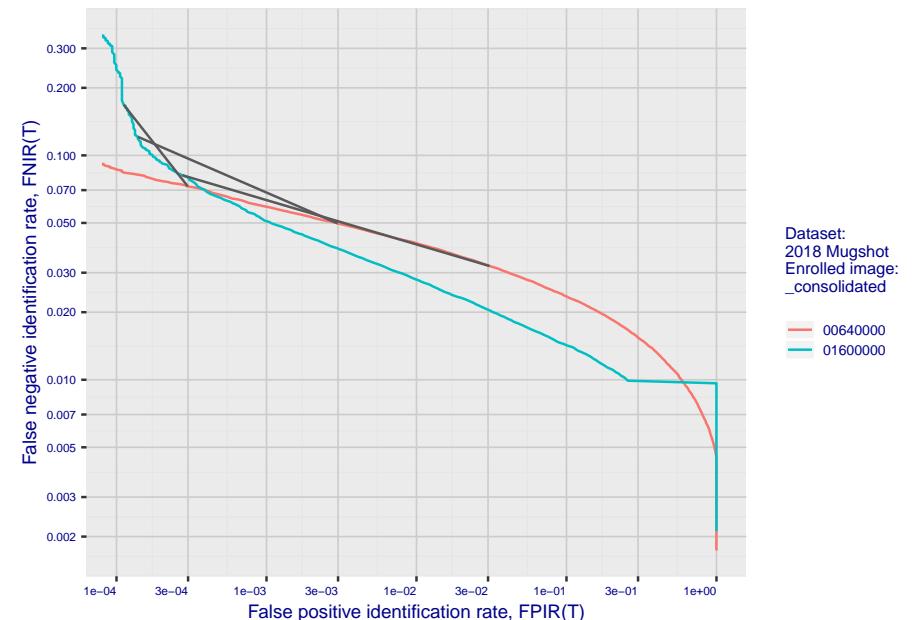
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**

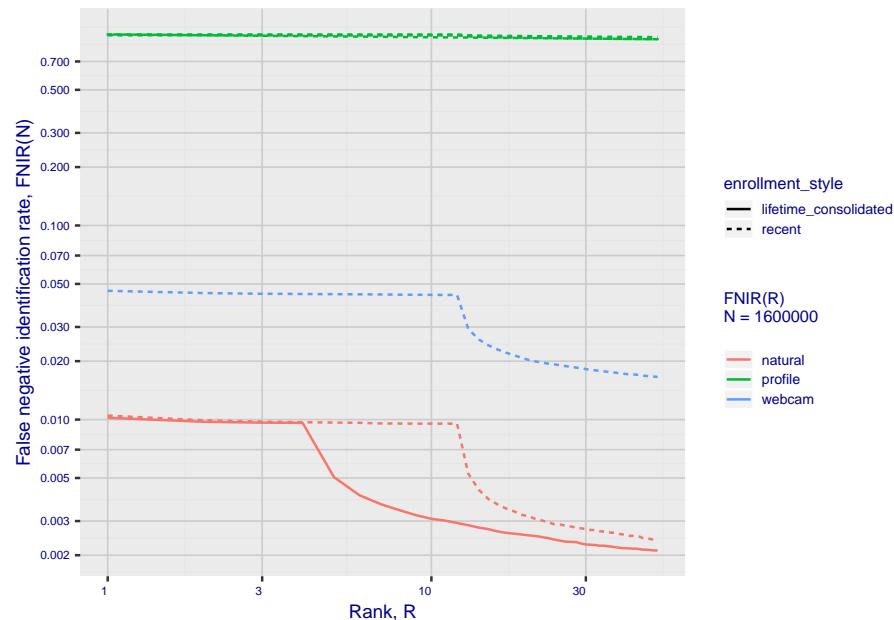


## 2. Report for algorithm cogent\_1 2020-03-20 13:14:32

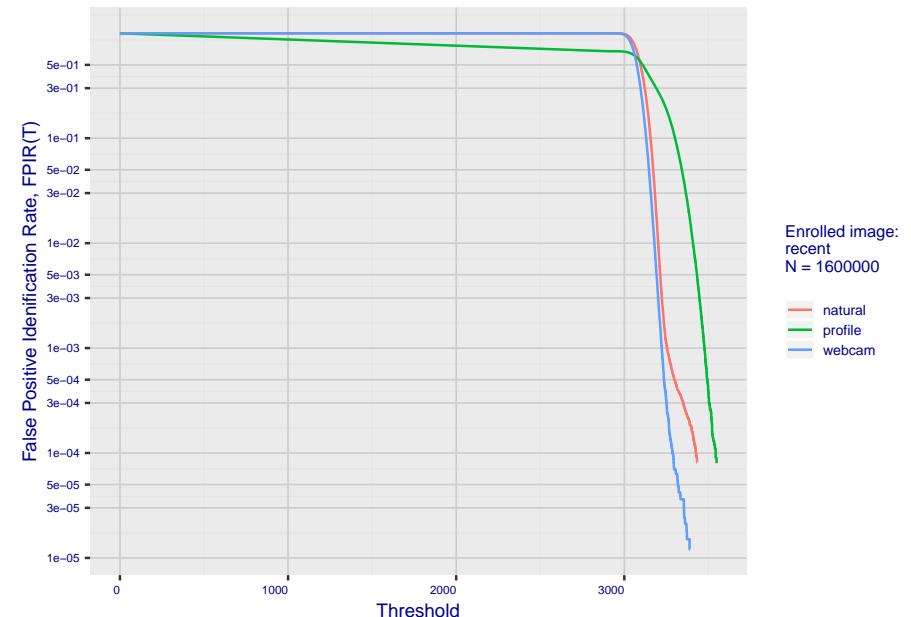
**Fig 5: Dependence on T by number enrolled identities**



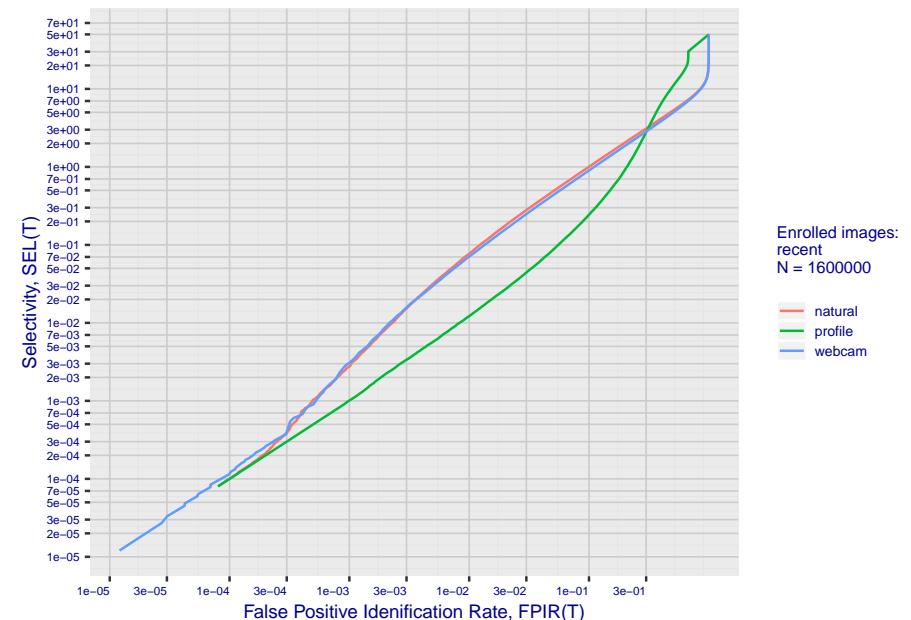
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

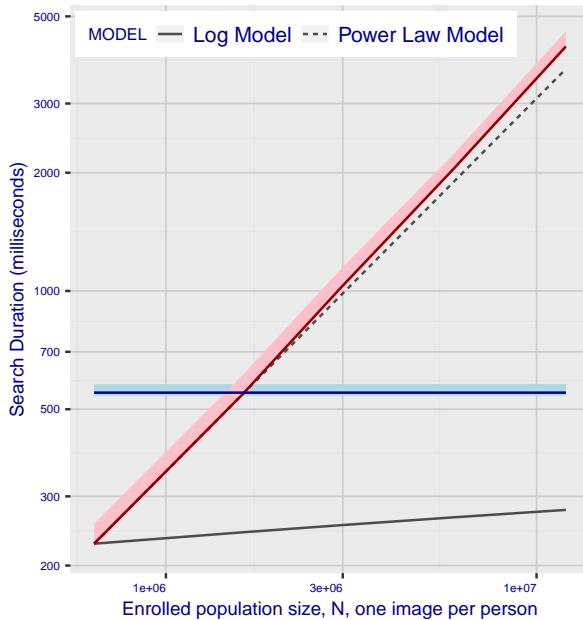


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm cogent\_1 2020-03-20 13:14:32

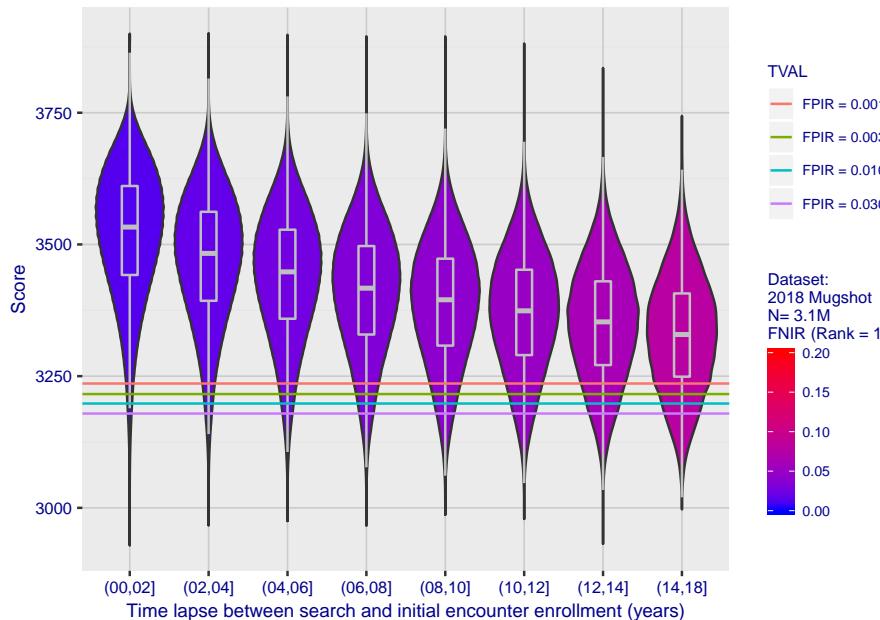
**Fig 10: Template duration; search duration vs. N**



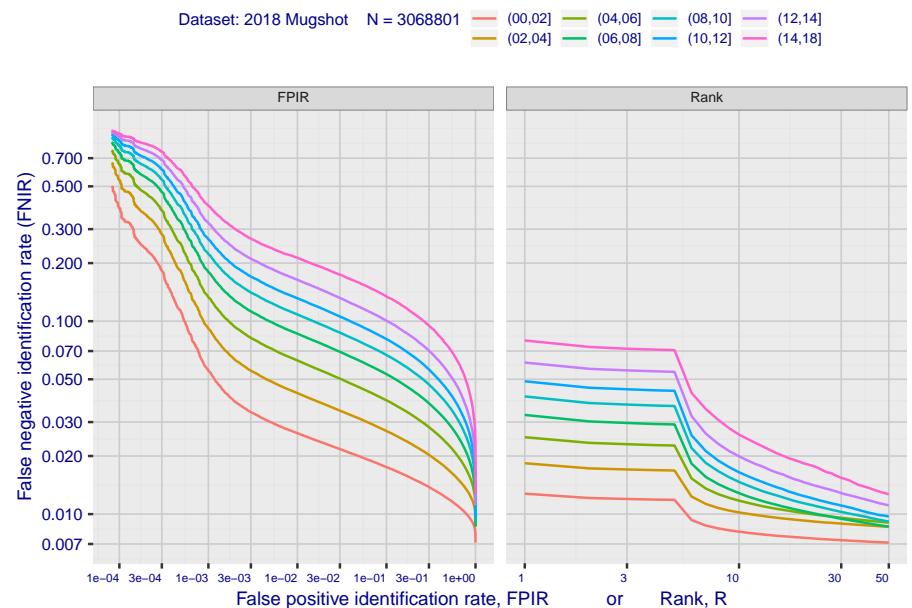
**Fig 11: Datasheet**

Algorithm: cogent_1
Developer: Thales
Submission Date: 2018_06_20
Template size: 525 bytes
Template time (2.5 percentile): 542 msec
Template time (median): 551 msec
Template time (97.5 percentile): 579 msec
Investigation rank 102 — FNIR(1600000, 0, 1) = 0.0105 vs. lowest 0.0010 from sensetime_003
Identification rank 64 — FNIR(1600000, T, L+1) = 0.0527
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

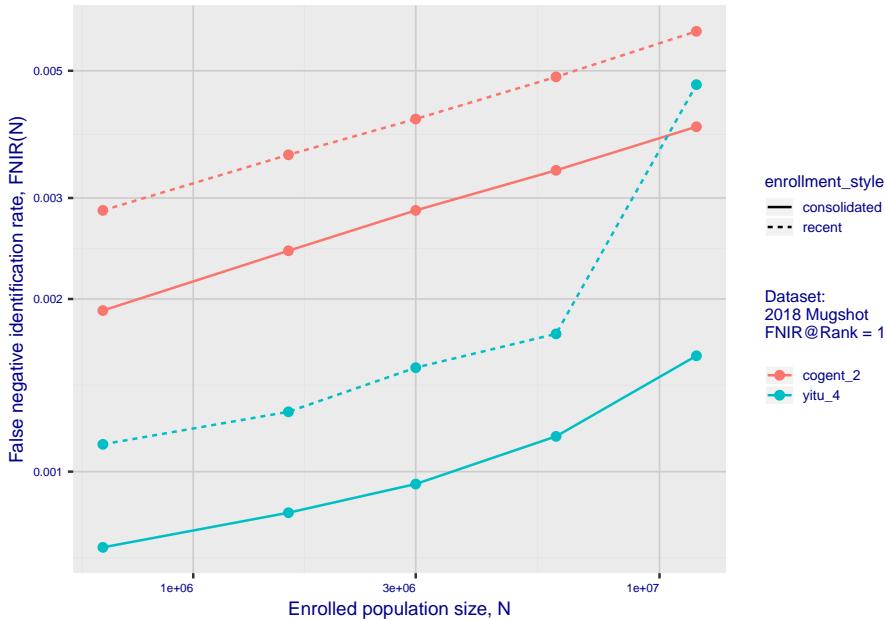


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

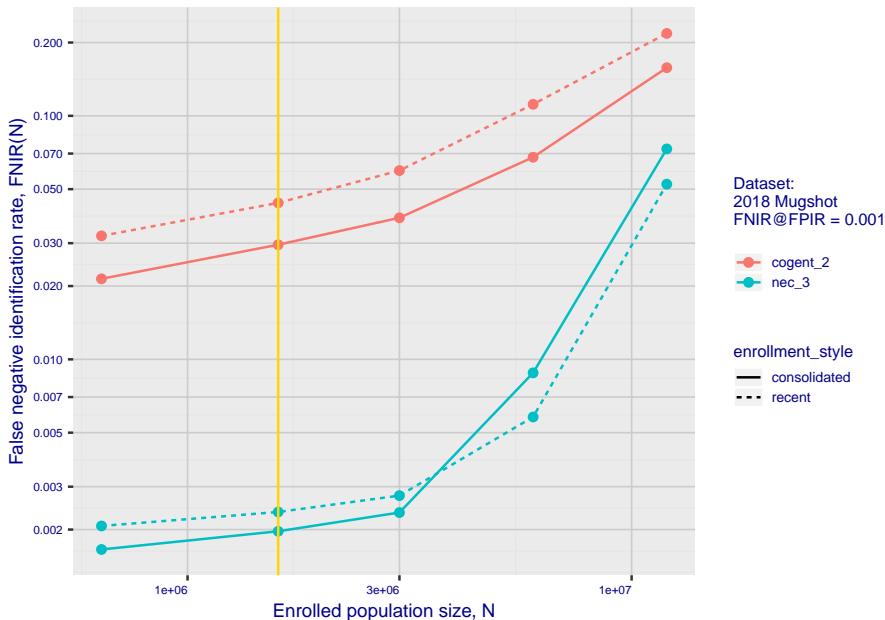


# 1. Report for algorithm cogent\_2 2020-03-20 13:14:31

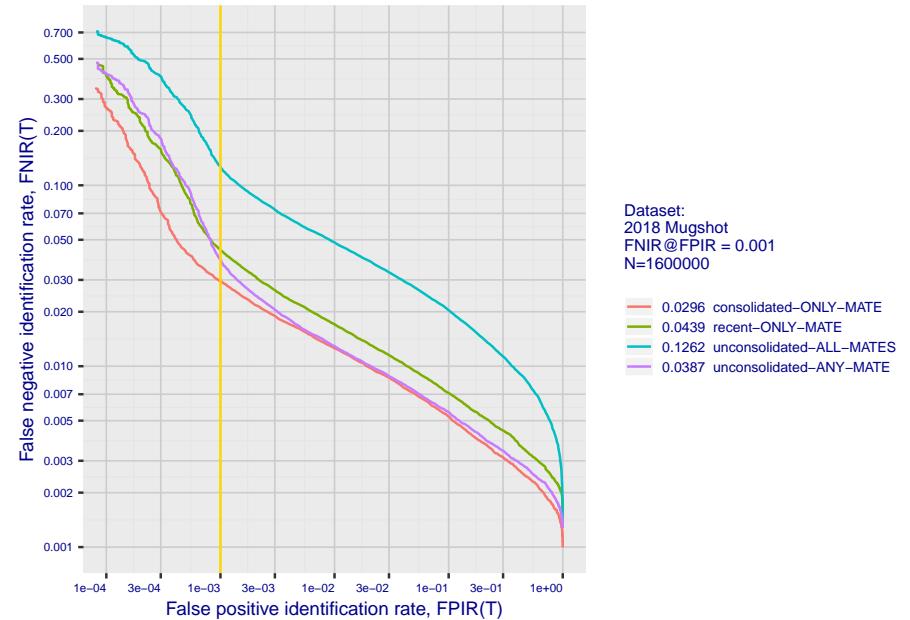
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



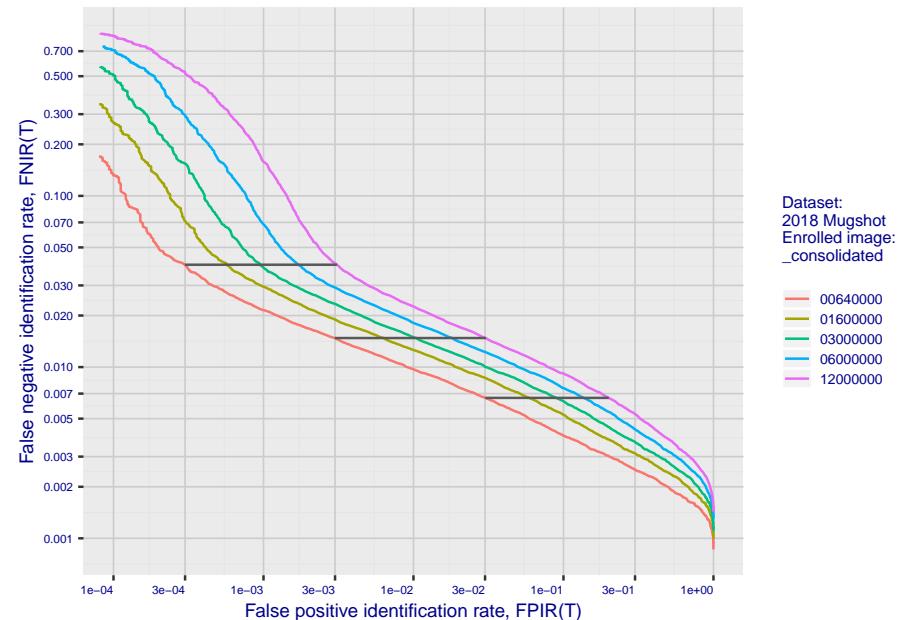
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

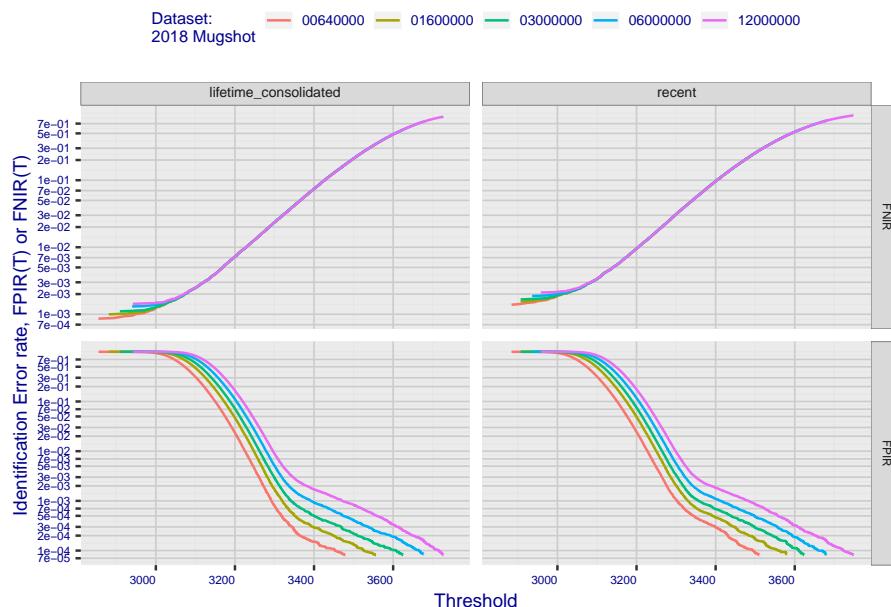


**Fig 4: DET for various N. Links connect points of equal threshold.**

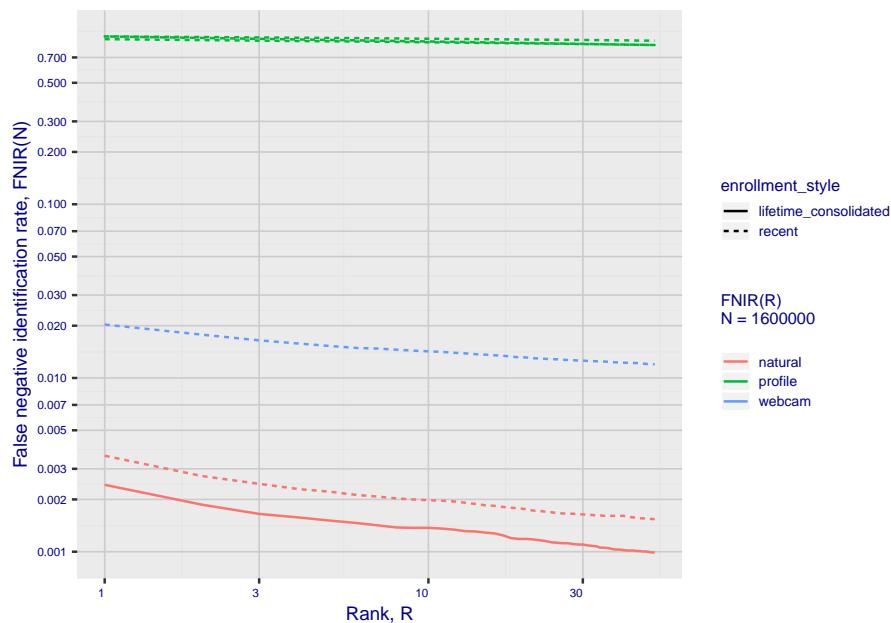


## 2. Report for algorithm cogent\_2 2020-03-20 13:14:31

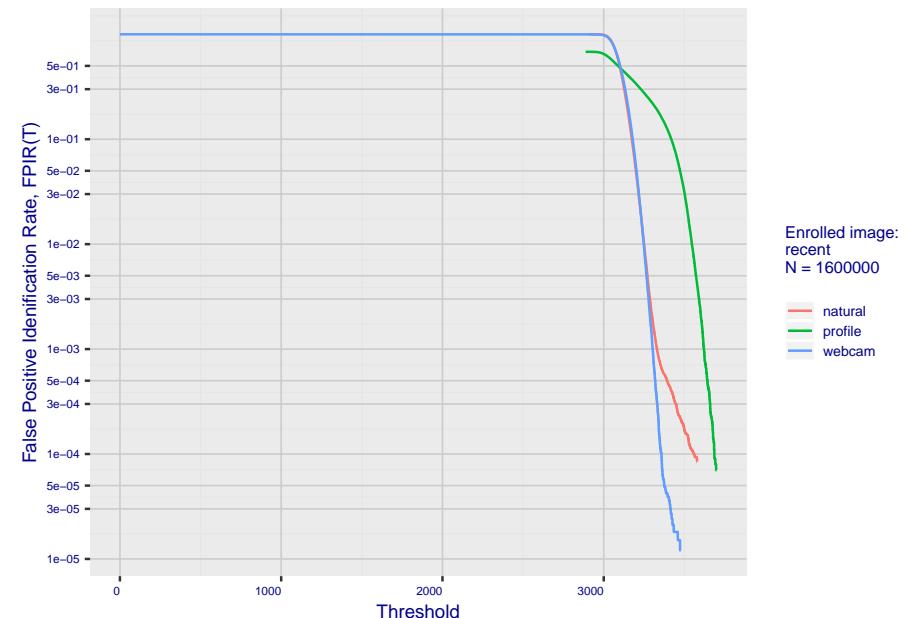
**Fig 5: Dependence on T by number enrolled identities**



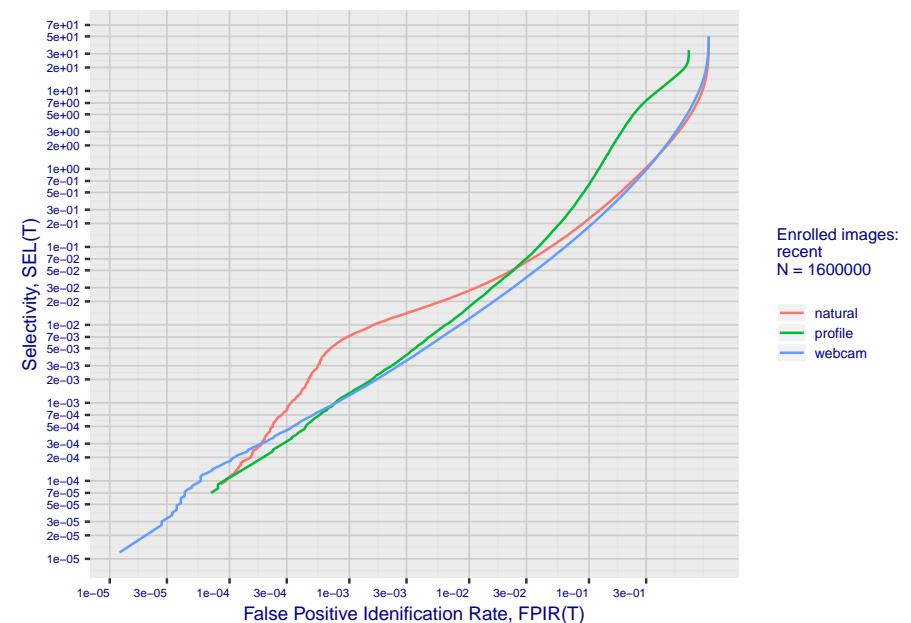
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

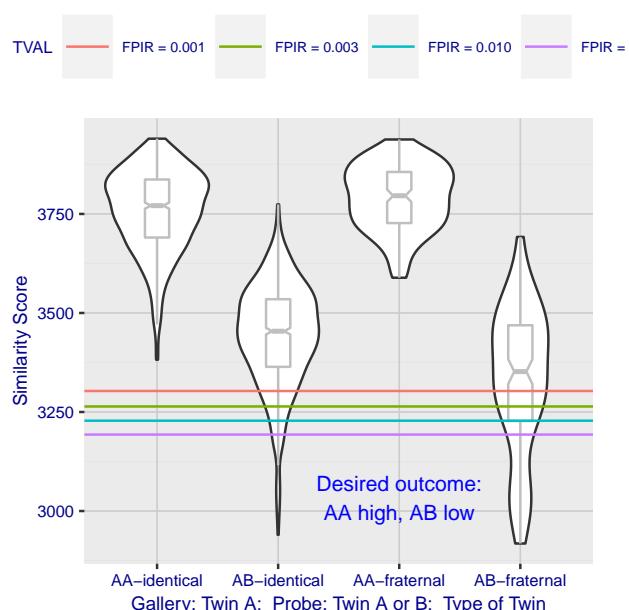


**Fig 8: FPIR vs. Selectivity**

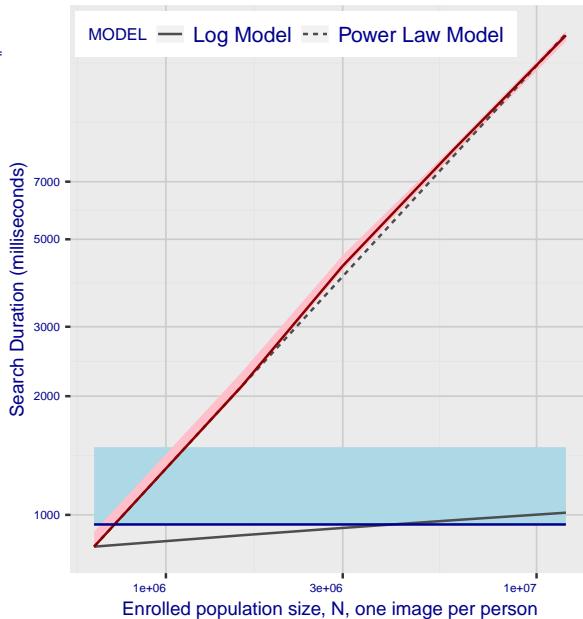


### 3. Report for algorithm cogent\_2 2020-03-20 13:14:31

**Fig 9: Solo-Twin and Twin-Twin similarity scores**



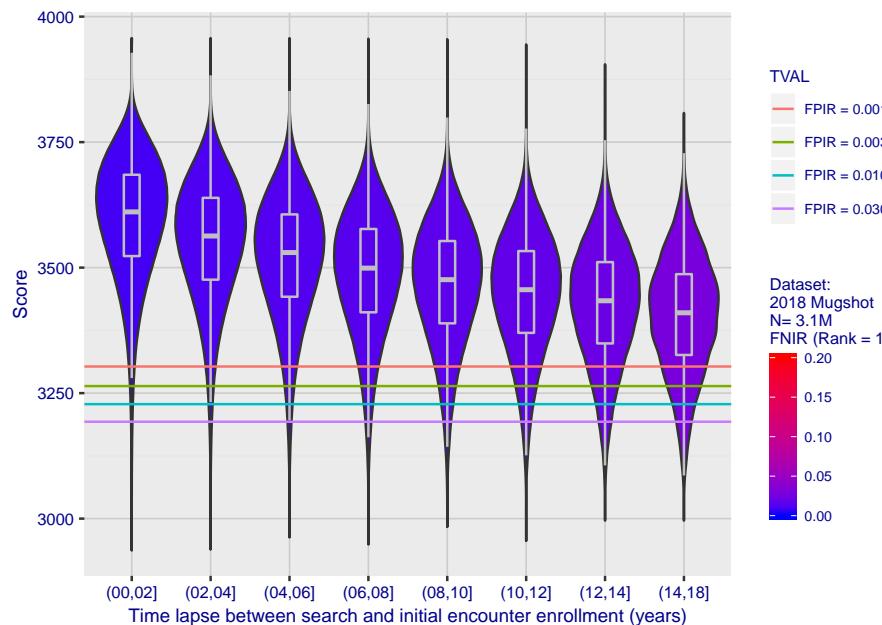
**Fig 10: Template duration; search duration vs. N**



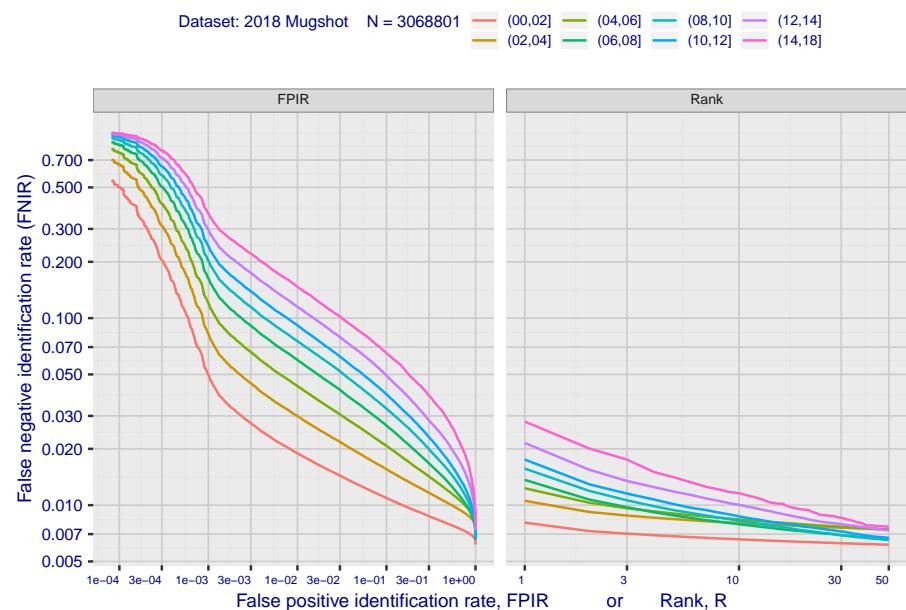
**Fig 11: Datasheet**

Algorithm:	cogent_2
Developer:	Thales
Submission Date:	2018_10_30
Template size:	1043 bytes
Template time (2.5 percentile):	941 msec
Template time (median):	946 msec
Template time (97.5 percentile):	1485 msec
Investigation rank 38 -- FNIR(1600000, 0, 1) = 0.0036 vs. lowest 0.0010 from sensetime_003	
Identification rank 45 -- FNIR(1600000, T, L+1) = 0.0439	
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

**Fig 12: Decline of genuine scores with ageing**

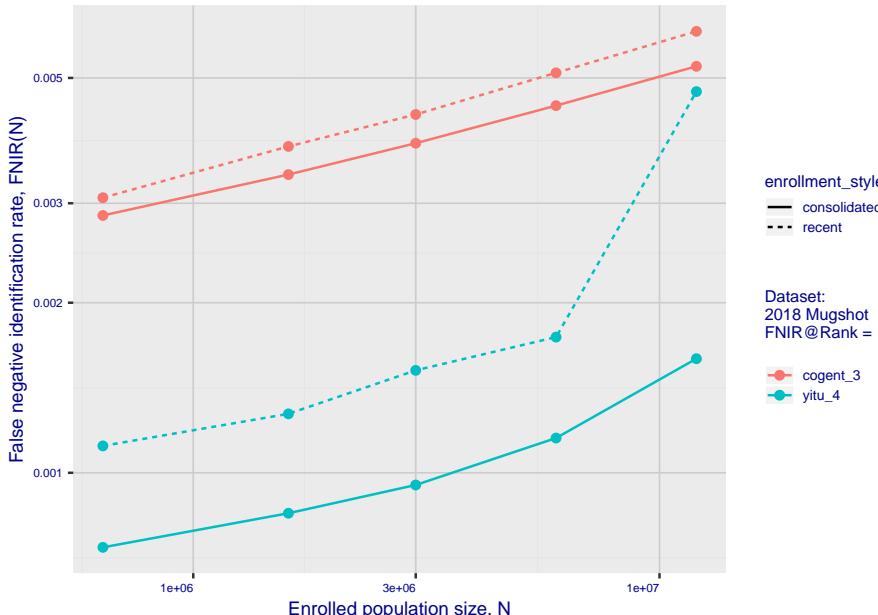


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

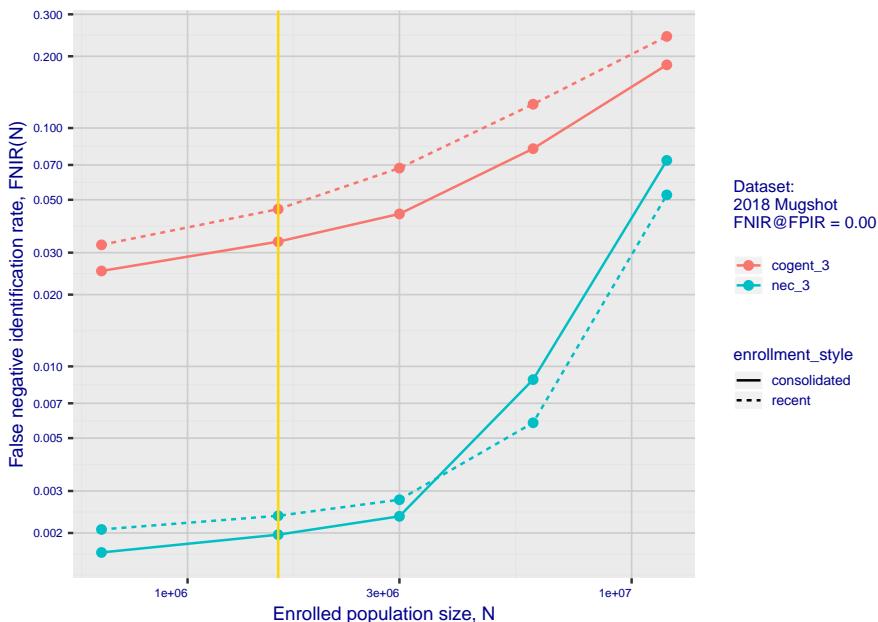


# 1. Report for algorithm cogent\_3 2020-03-20 13:14:37

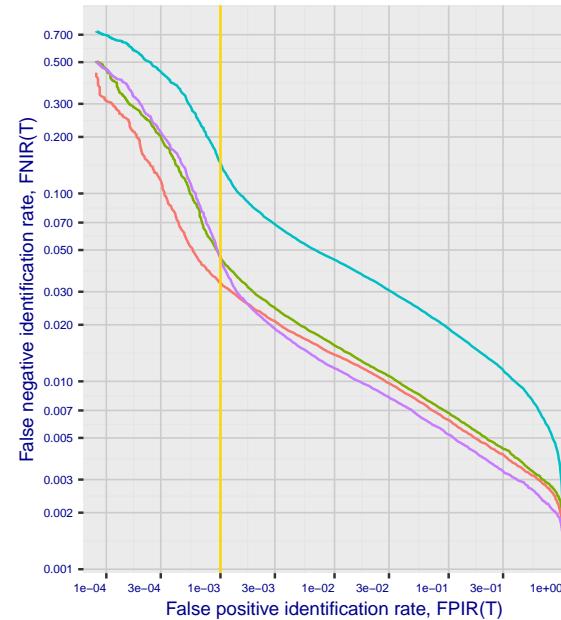
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



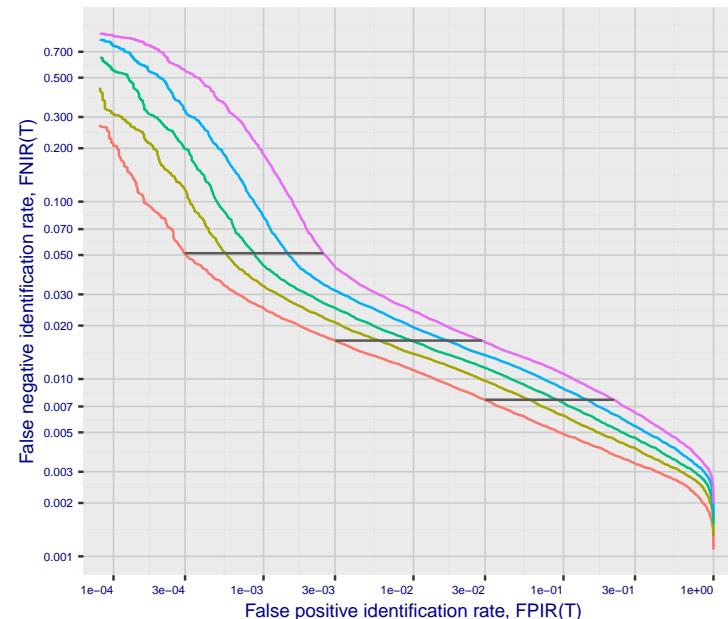
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

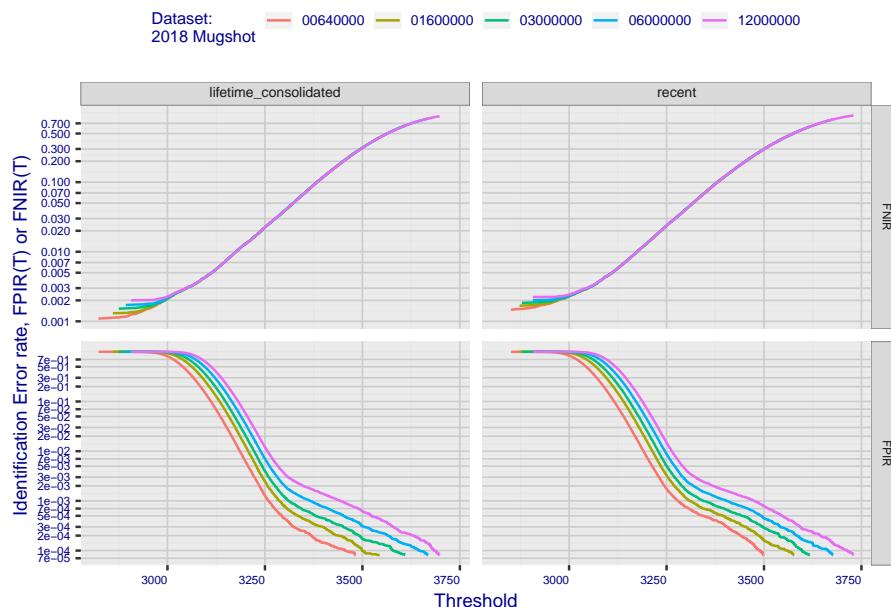


**Fig 4: DET for various N. Links connect points of equal threshold.**

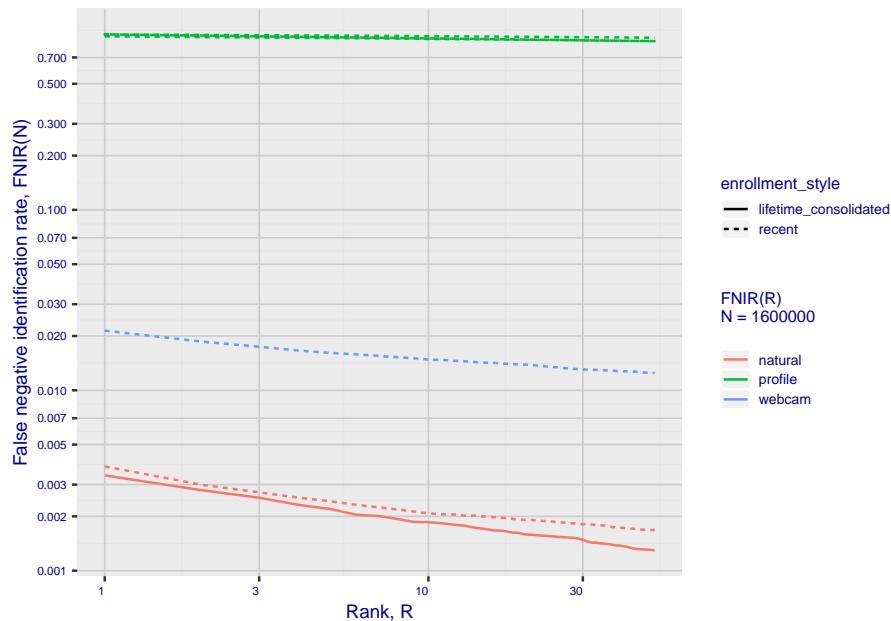


## 2. Report for algorithm cogent\_3 2020-03-20 13:14:37

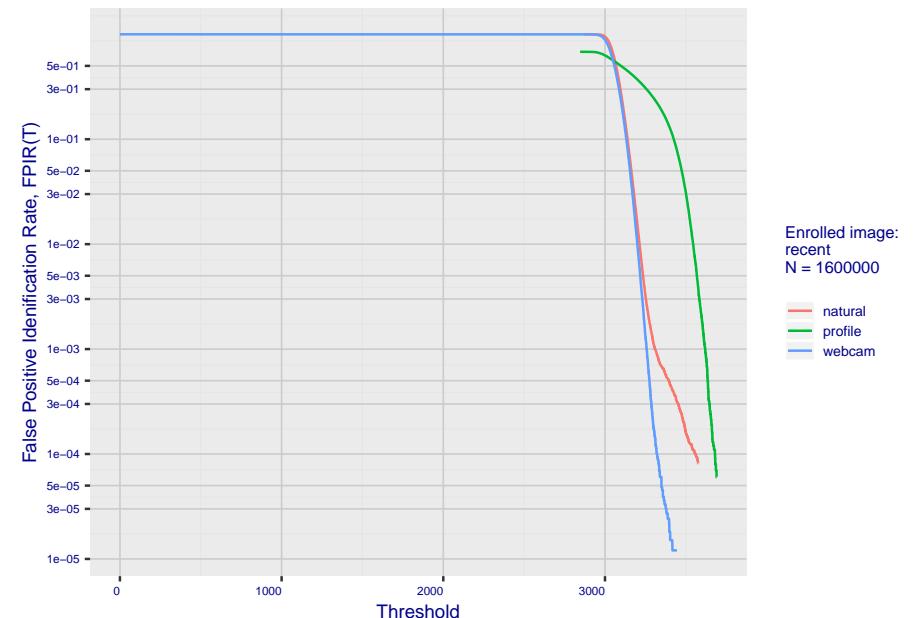
**Fig 5: Dependence on T by number enrolled identities**



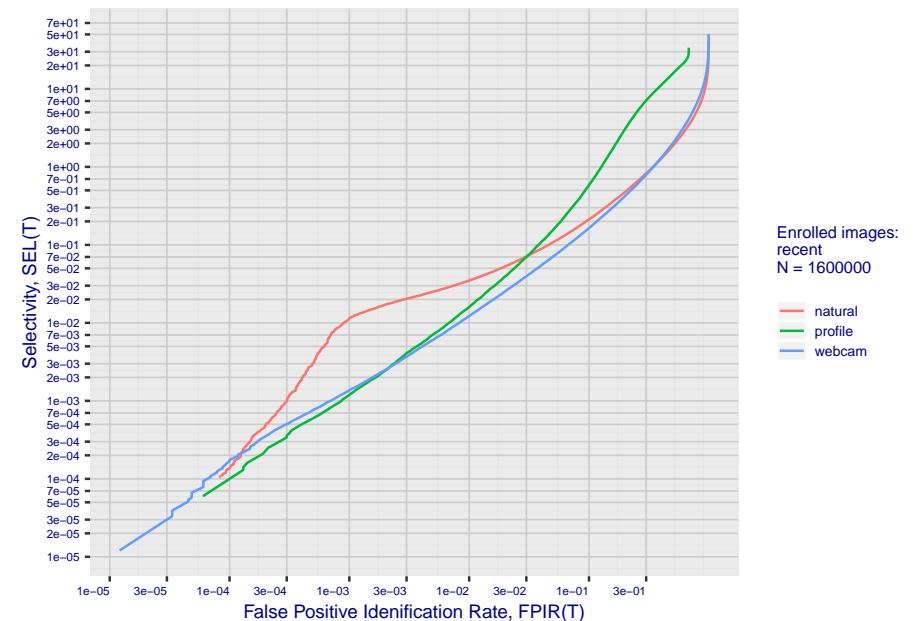
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

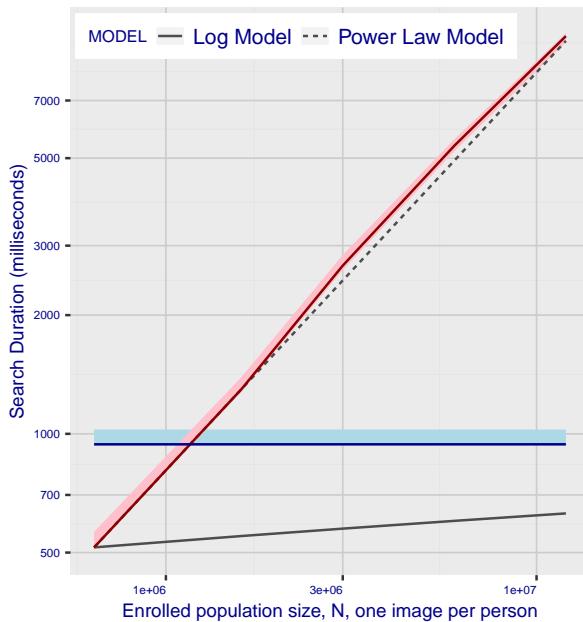


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm cogent\_3 2020-03-20 13:14:37

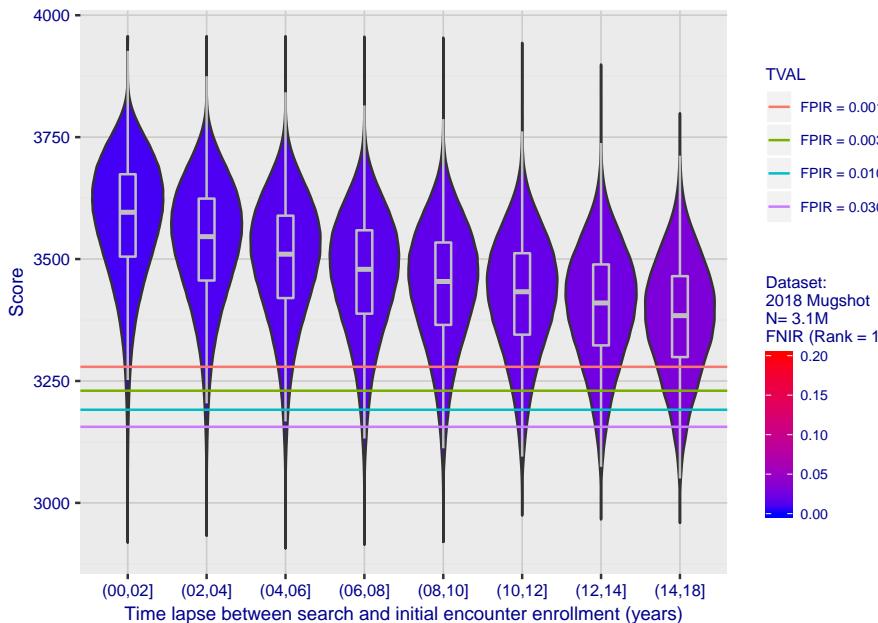
**Fig 10: Template duration; search duration vs. N**



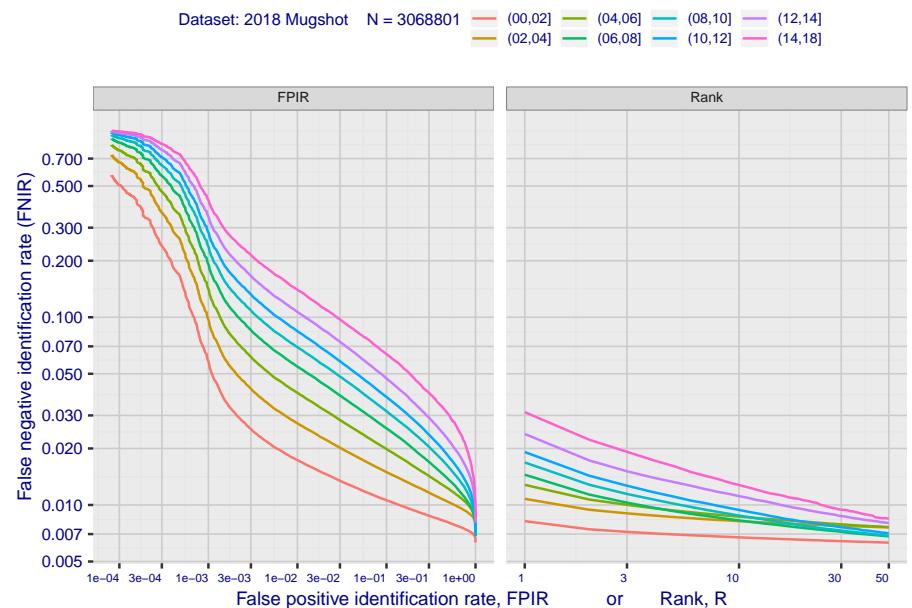
**Fig 11: Datasheet**

Algorithm: cogent_3
Developer: Thales
Submission Date: 2018_10_30
Template size: 1043 bytes
Template time (2.5 percentile): 939 msec
Template time (median): 941 msec
Template time (97.5 percentile): 1025 msec
Investigation rank 40 --- FNIR(1600000, 0, 1) = 0.0038 vs. lowest 0.0010 from sensetime_003
Identification rank 49 --- FNIR(1600000, T, L+1) = 0.0457
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

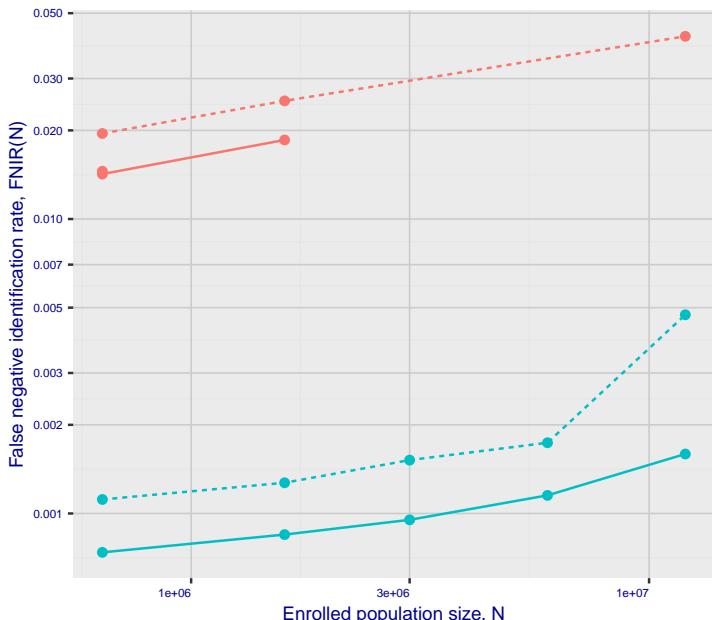


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

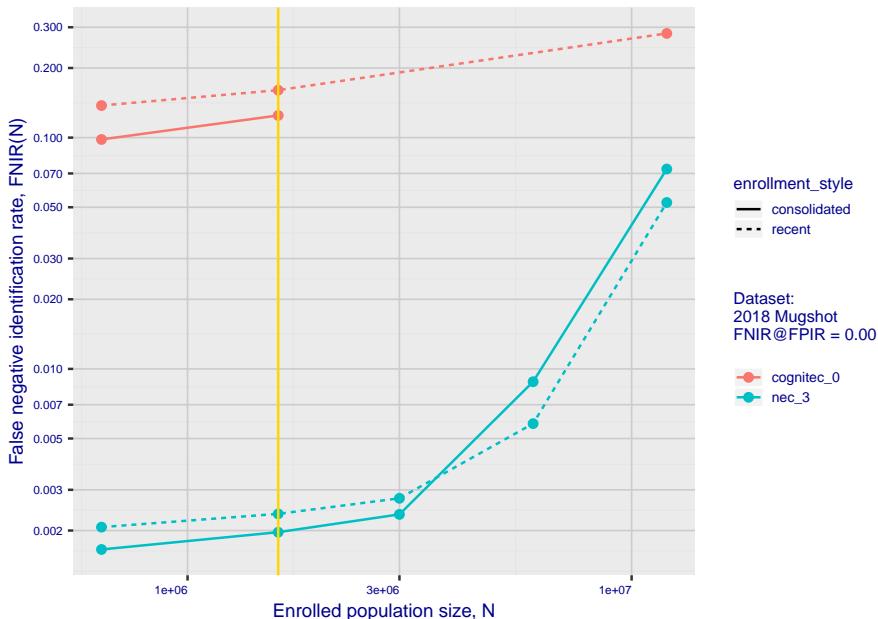


# 1. Report for algorithm cognitec\_0 2020-03-20 13:14:40

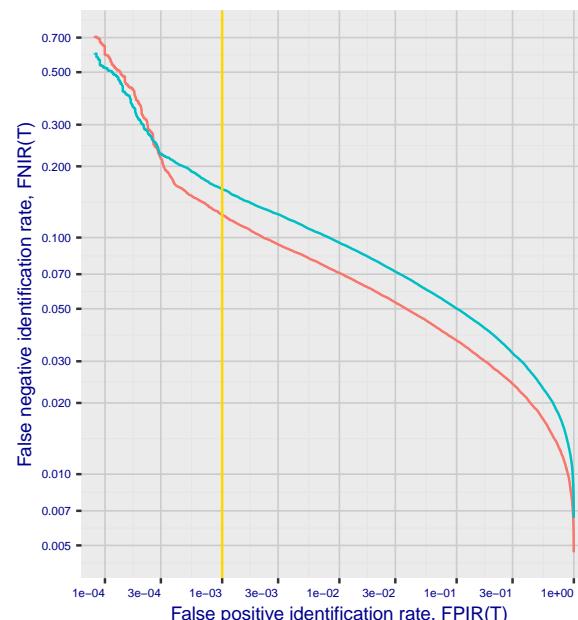
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



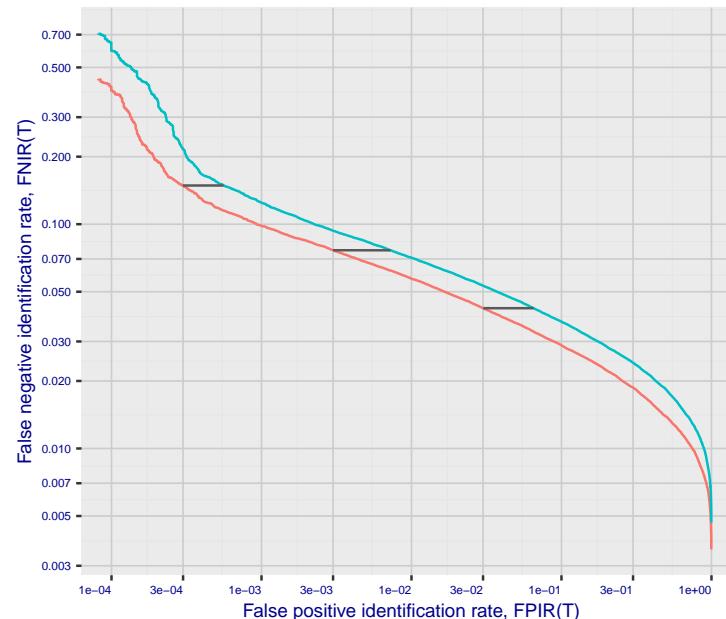
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**



Dataset:  
2018 Mugshot  
FNIR@FPIR = 0.001  
N=1600000

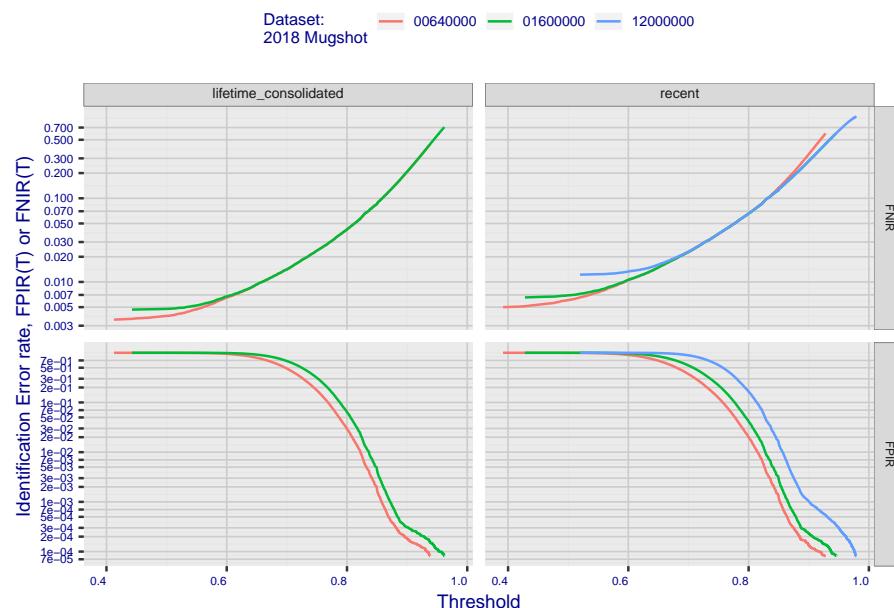
0.1247 consolidated-ONLY-MATE  
0.1604 recent-ONLY-MATE

Dataset:  
2018 Mugshot  
Enrolled image:  
\_consolidated

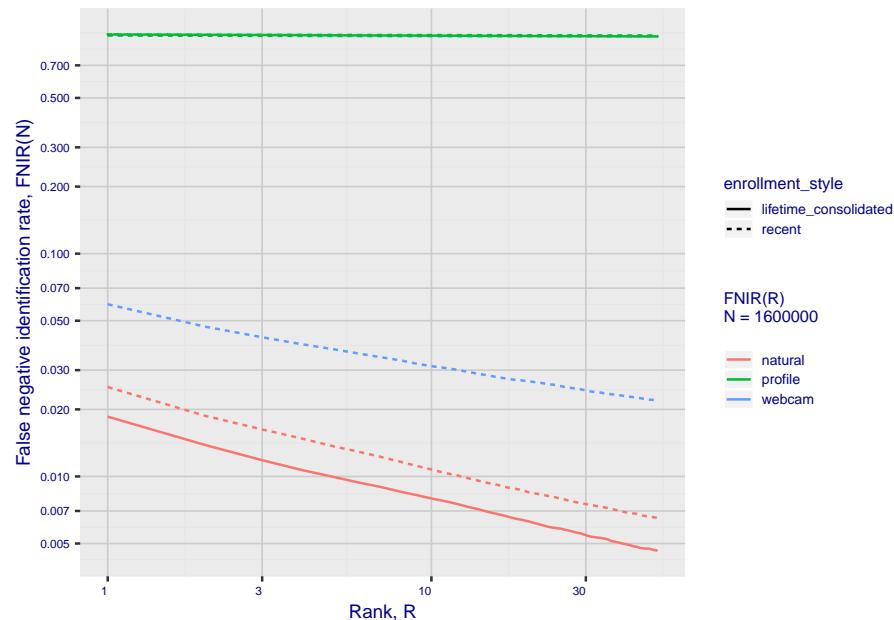
00640000  
01600000

## 2. Report for algorithm cognitec\_0 2020-03-20 13:14:40

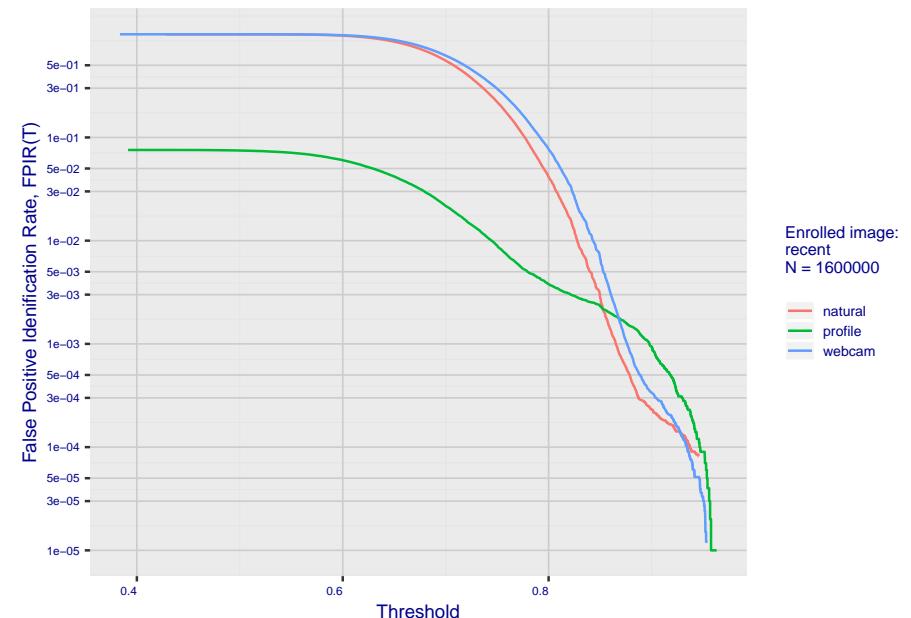
**Fig 5: Dependence on T by number enrolled identities**



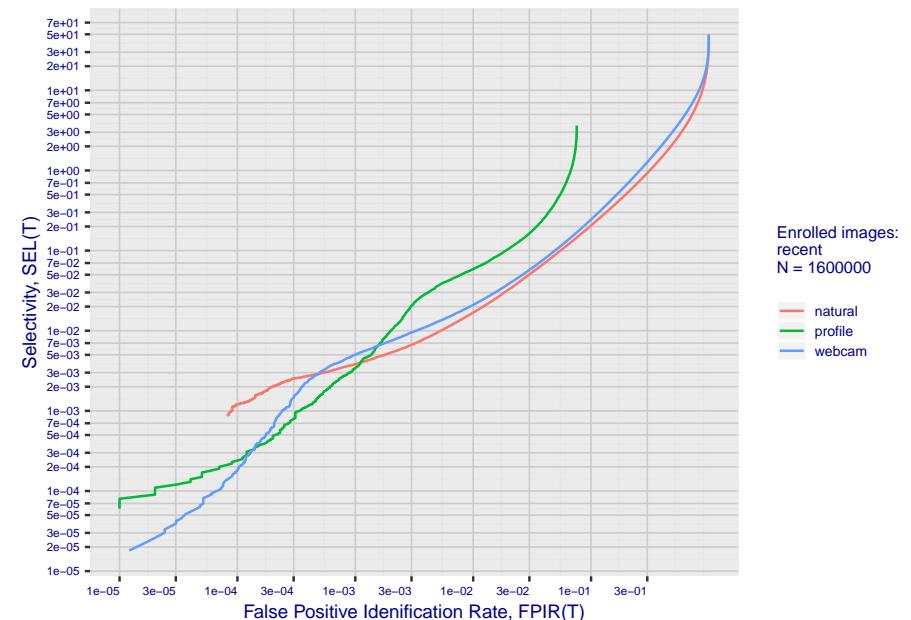
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

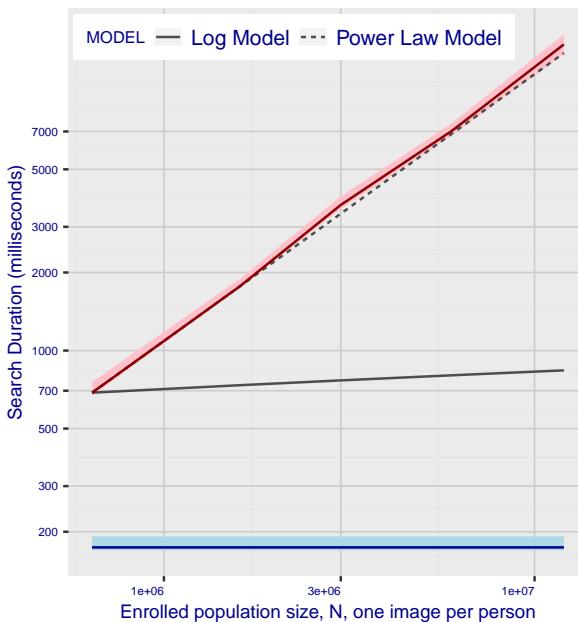


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm cognitec\_0 2020-03-20 13:14:40

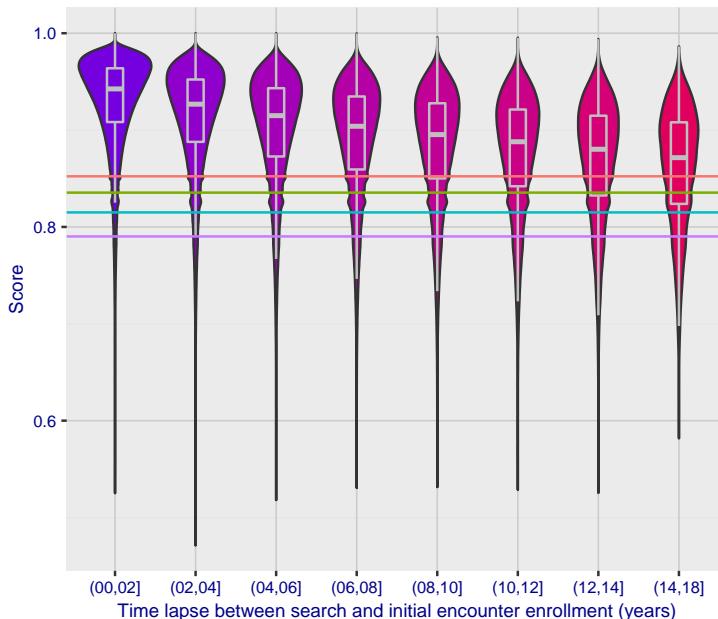
**Fig 10: Template duration; search duration vs. N**



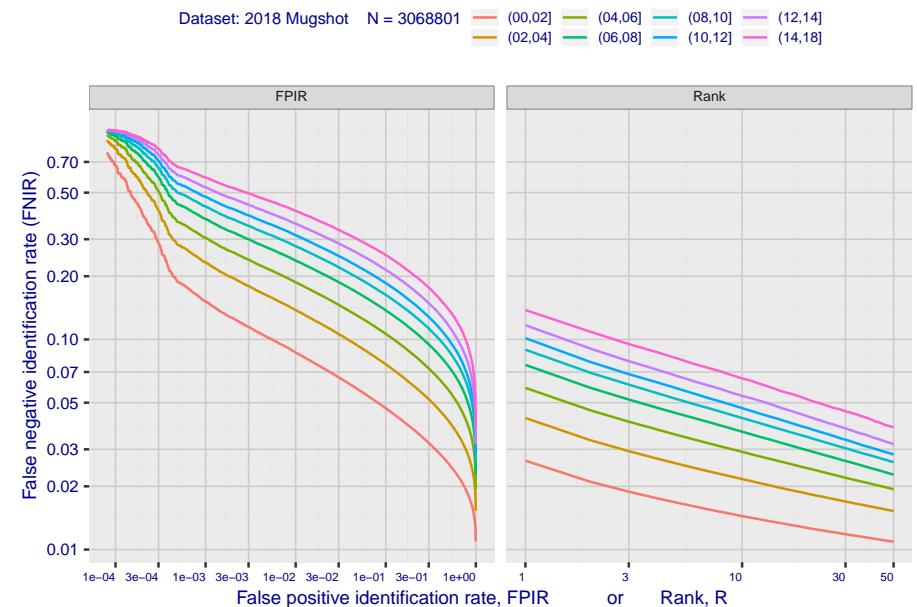
**Fig 11: Datasheet**

Algorithm: cognitec_0
Developer: Cognitec Systems GmbH
Submission Date: 2018_06_21
Template size: 2052 bytes
Template time (2.5 percentile): 170 msec
Template time (median): 174 msec
Template time (97.5 percentile): 192 msec
Investigation rank 147 -- FNIR(1600000, 0, 1) = 0.0252 vs. lowest 0.0010 from sensetime_003
Identification rank 133 -- FNIR(1600000, T, L+1) = 0.1604
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

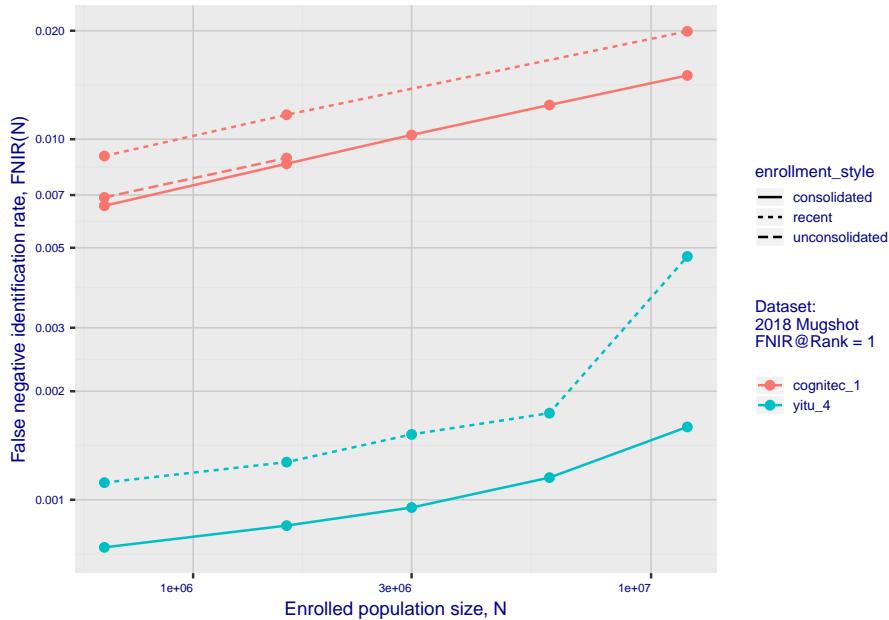


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

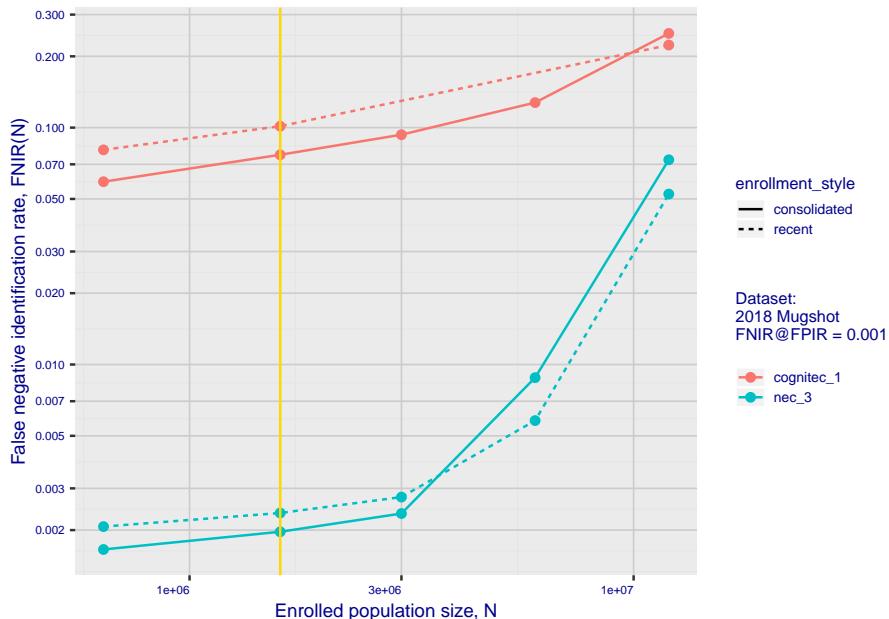


# 1. Report for algorithm cognitec\_1 2020-03-20 13:18:19

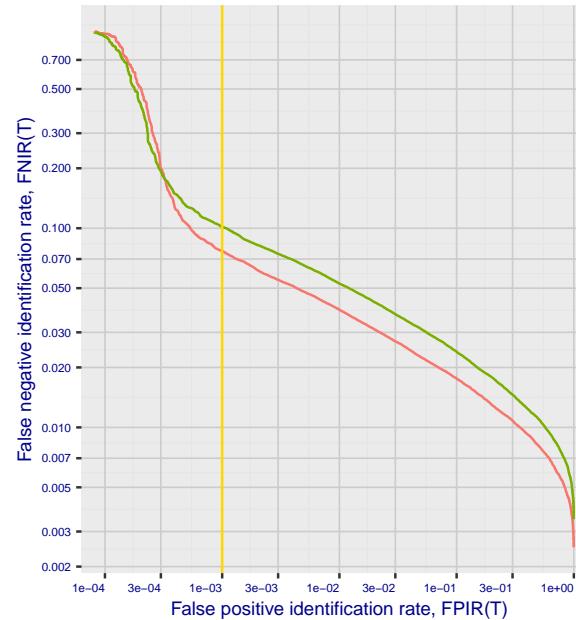
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



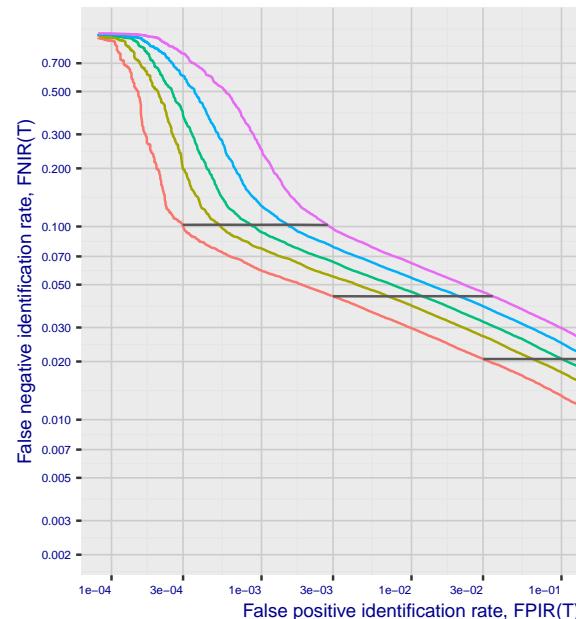
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

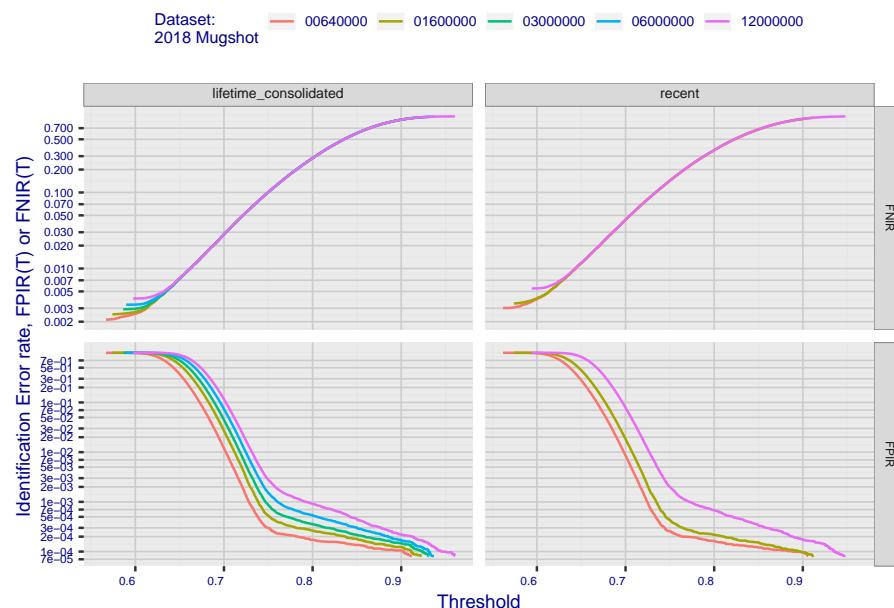


**Fig 4: DET for various N. Links connect points of equal threshold.**

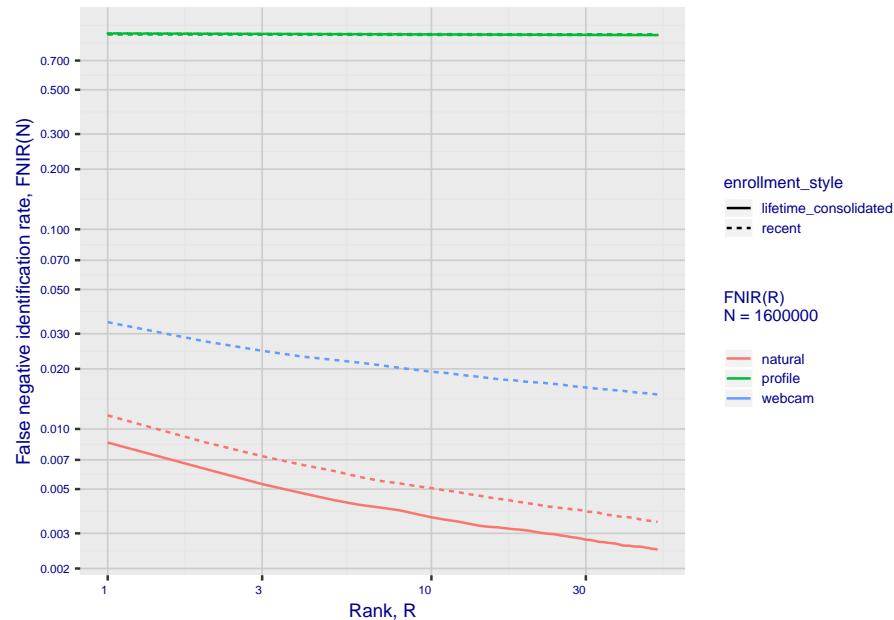


## 2. Report for algorithm cognitec\_1 2020-03-20 13:18:19

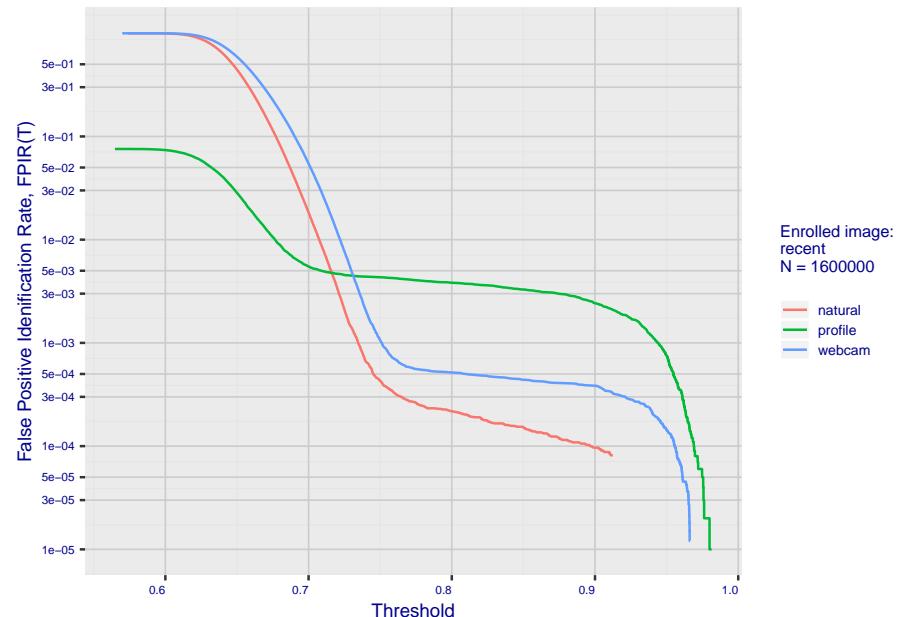
**Fig 5: Dependence on T by number enrolled identities**



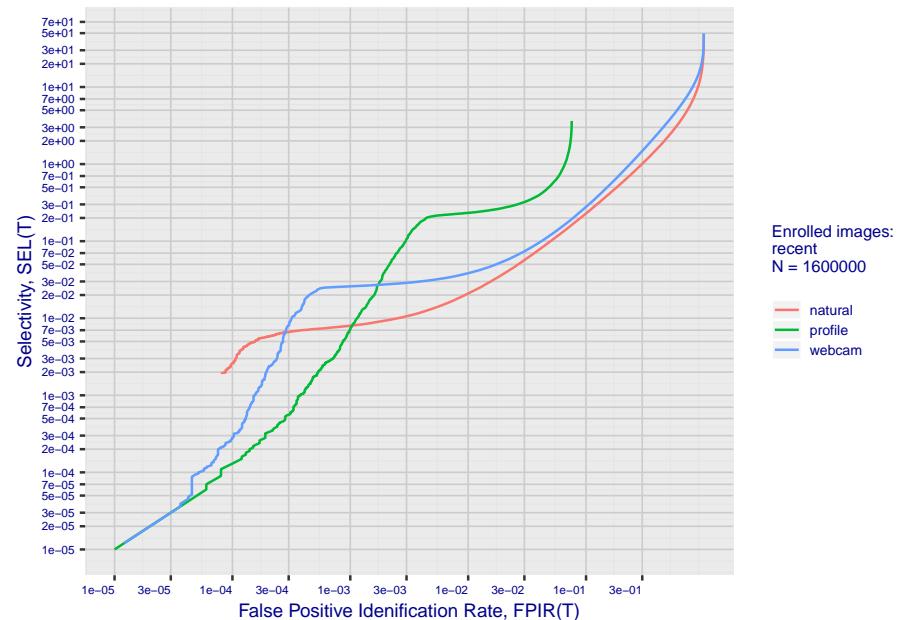
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

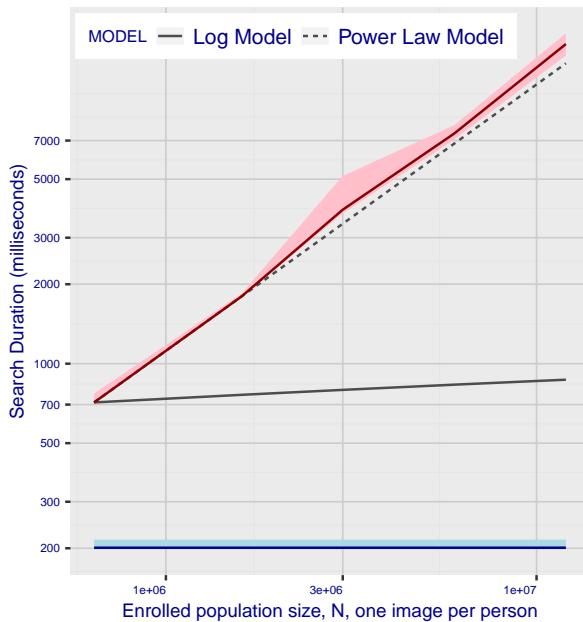


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm cognitec\_1 2020-03-20 13:18:19

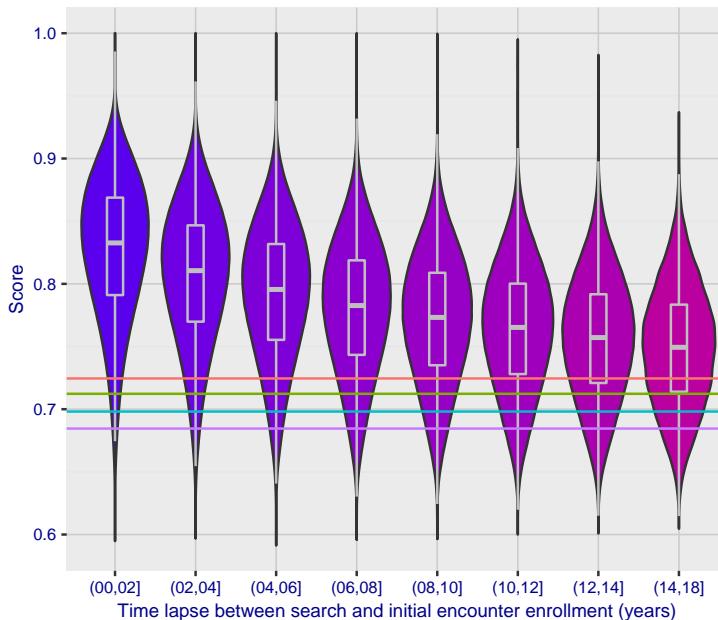
**Fig 10: Template duration; search duration vs. N**



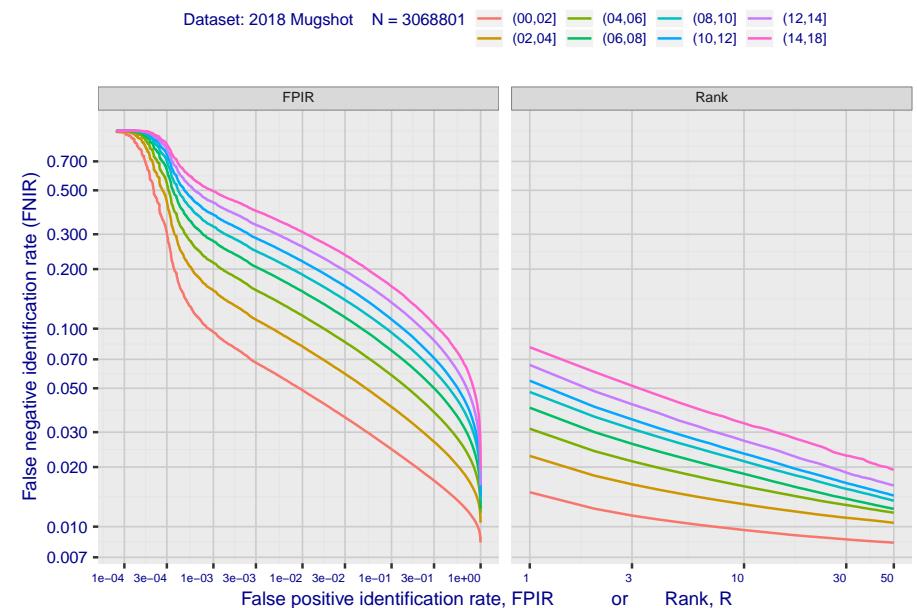
**Fig 11: Datasheet**

Algorithm: cognitec_1
Developer: Cognitec Systems GmbH
Submission Date: 2018_06_21
Template size: 2052 bytes
Template time (2.5 percentile): 198 msec
Template time (median): 201 msec
Template time (97.5 percentile): 216 msec
Investigation rank 109 -- FNIR(1600000, 0, 1) = 0.0117 vs. lowest 0.0010 from sensetime_003
Identification rank 107 -- FNIR(1600000, T, L+1) = 0.1014
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

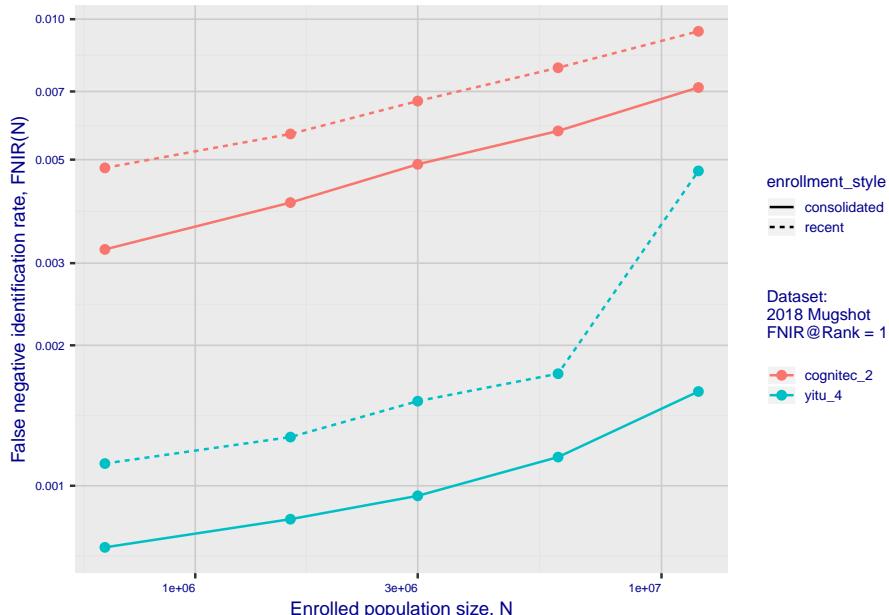


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

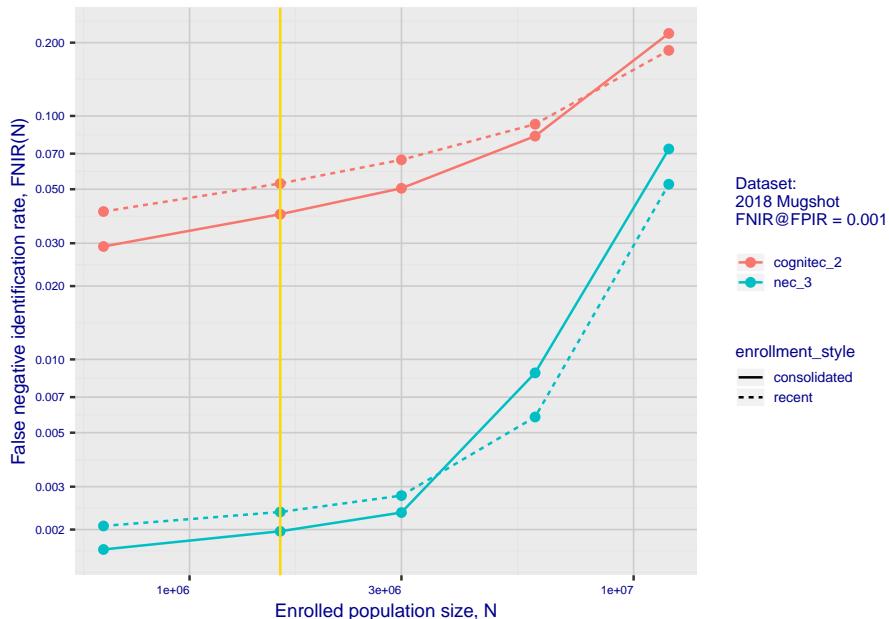


## 1. Report for algorithm cognitec\_2 2020-03-20 13:14:48

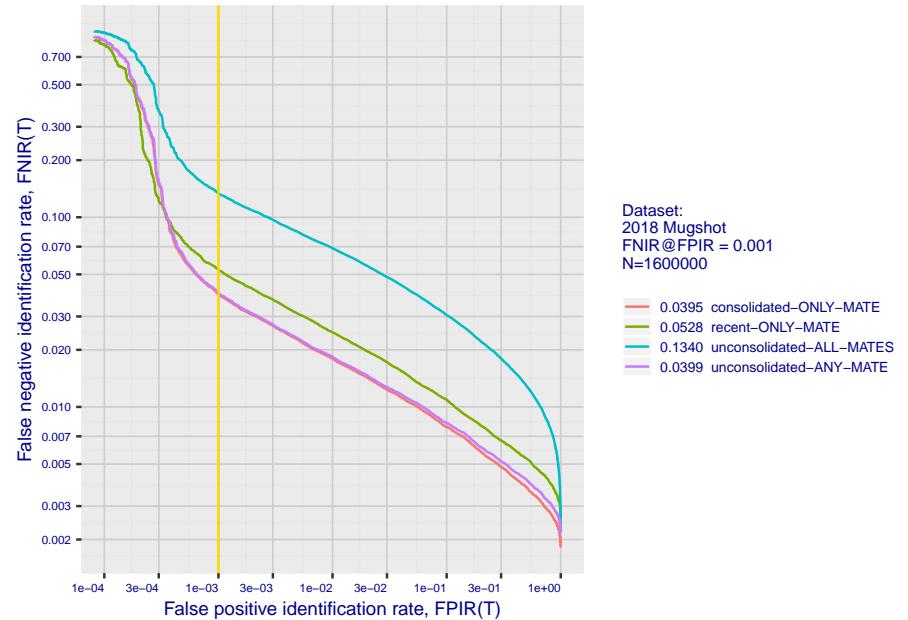
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



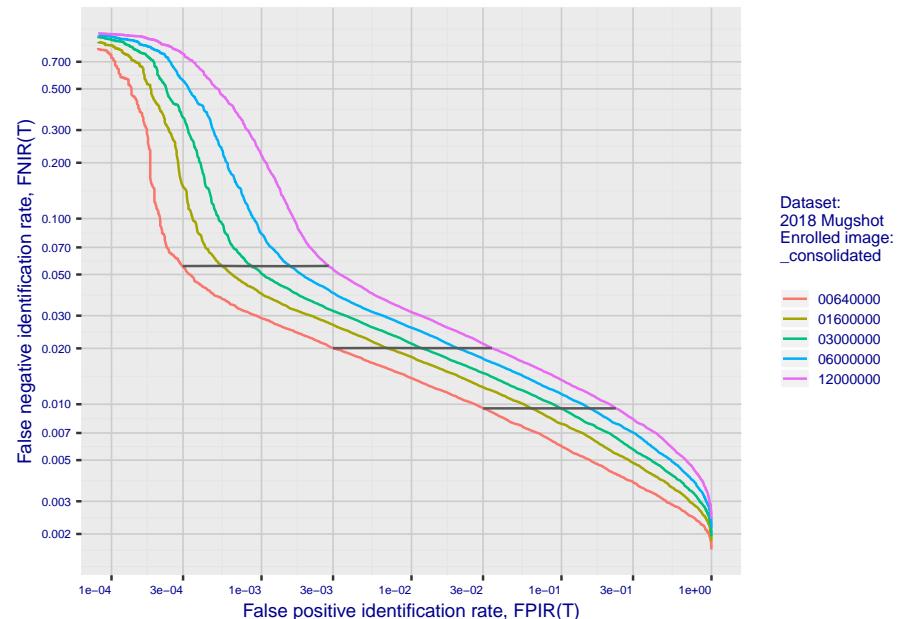
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

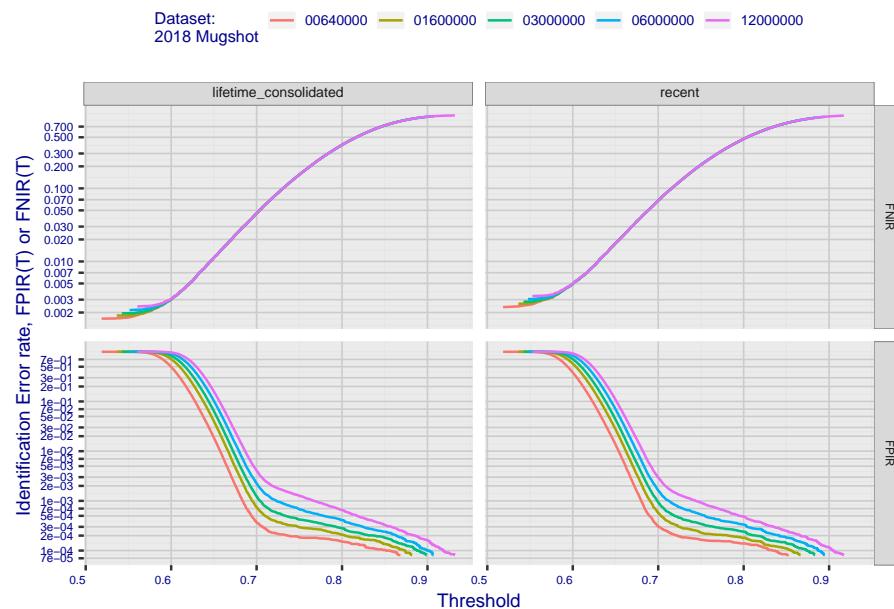


**Fig 4: DET for various N. Links connect points of equal threshold.**

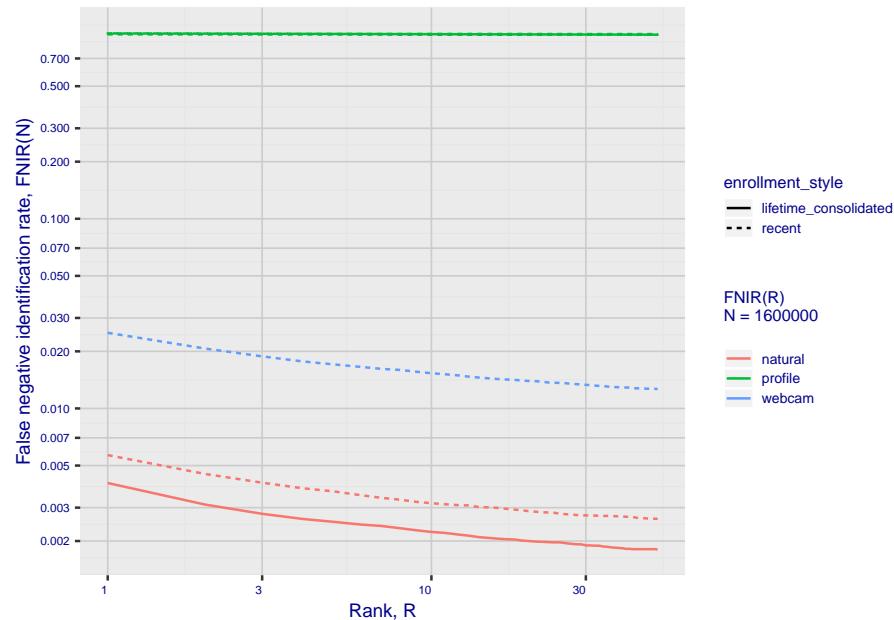


## 2. Report for algorithm cognitec\_2 2020-03-20 13:14:48

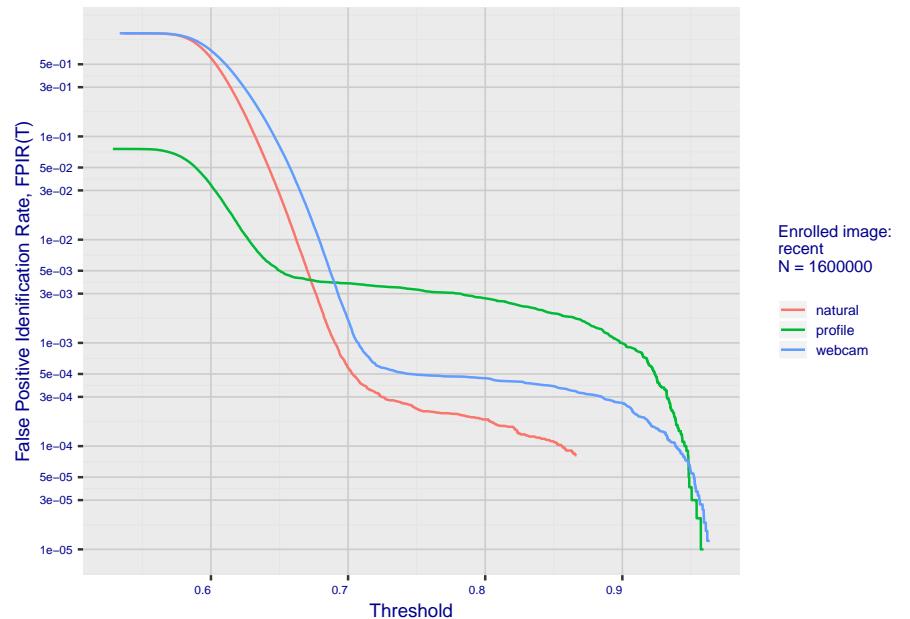
**Fig 5: Dependence on T by number enrolled identities**



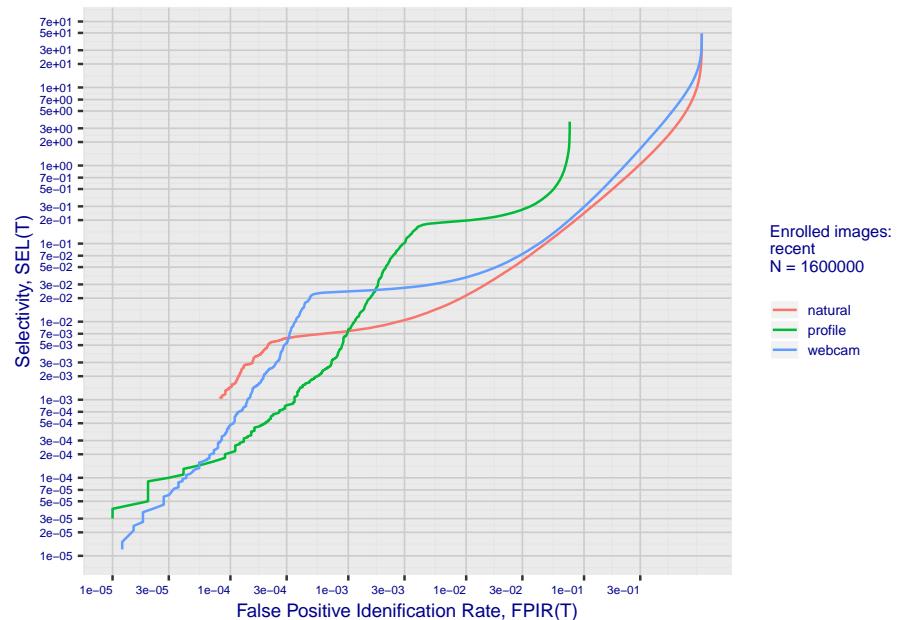
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

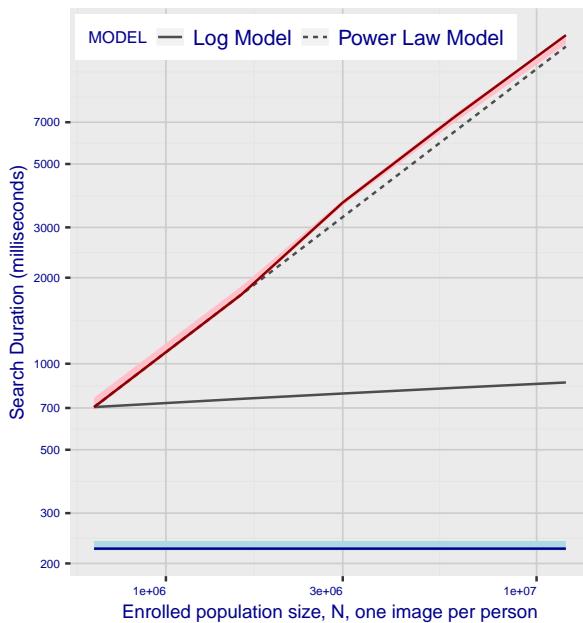


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm cognitec\_2 2020-03-20 13:14:48

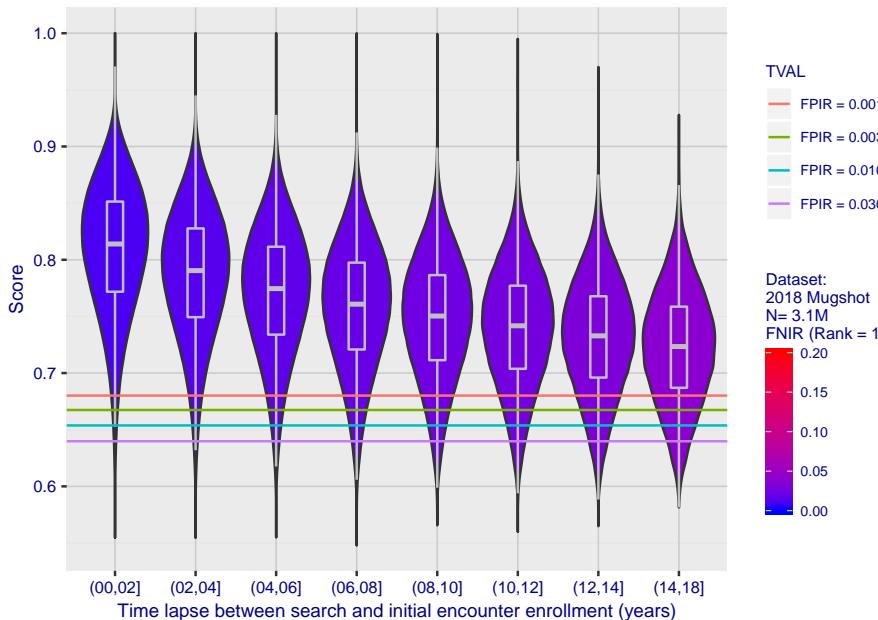
**Fig 10: Template duration; search duration vs. N**



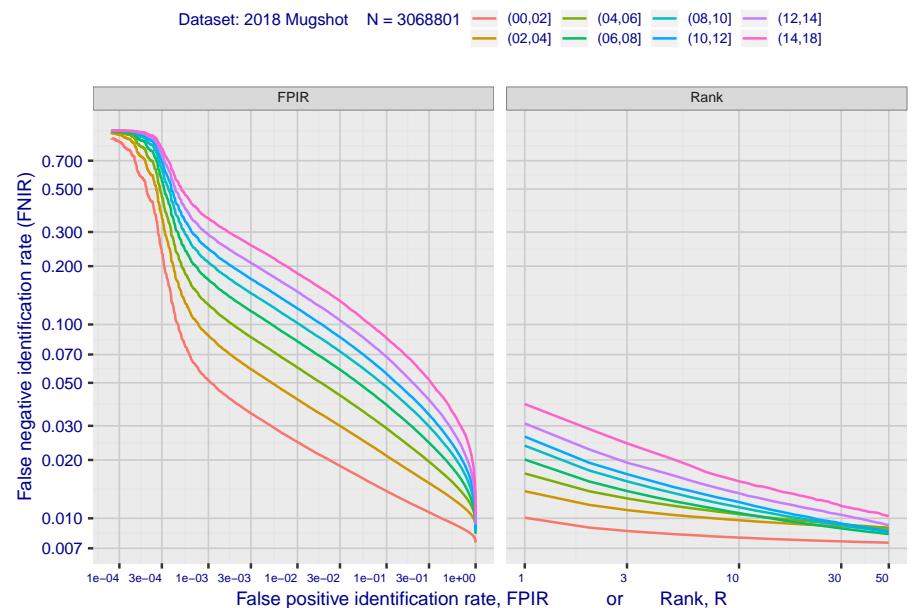
**Fig 11: Datasheet**

Algorithm: cognitec_2
Developer: Cognitec Systems GmbH
Submission Date: 2018_10_30
Template size: 2052 bytes
Template time (2.5 percentile): 222 msec
Template time (median): 225 msec
Template time (97.5 percentile): 240 msec
Investigation rank 65 --- FNIR(1600000, 0, 1) = 0.0057 vs. lowest 0.0010 from sensetime_003
Identification rank 65 --- FNIR(1600000, T, L+1) = 0.0528
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

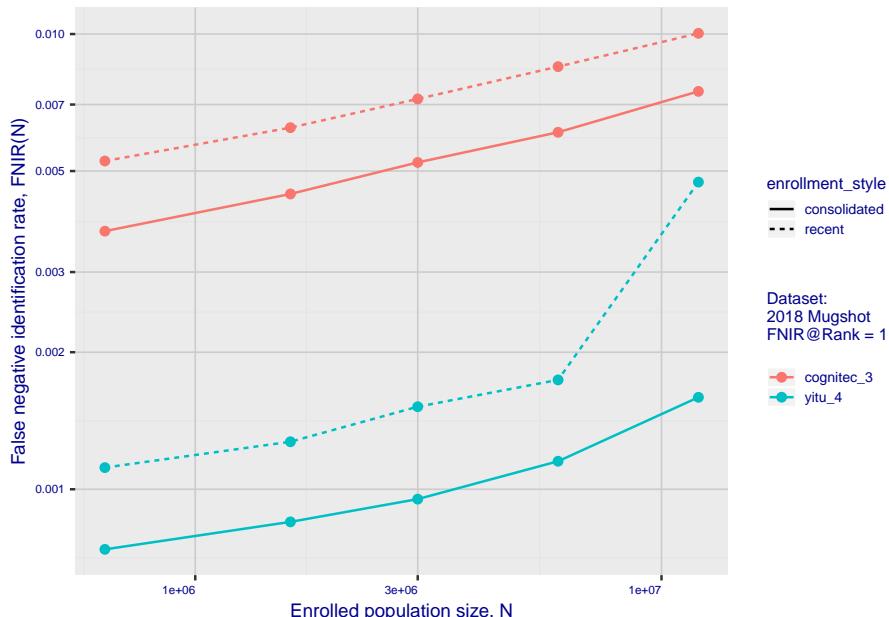


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

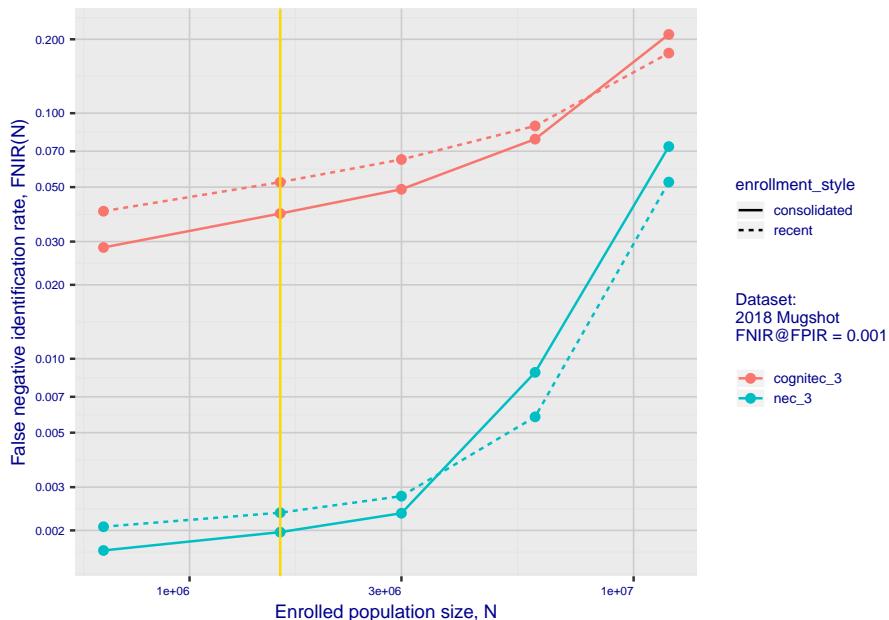


## 1. Report for algorithm cognitec\_3 2020-03-20 13:14:51

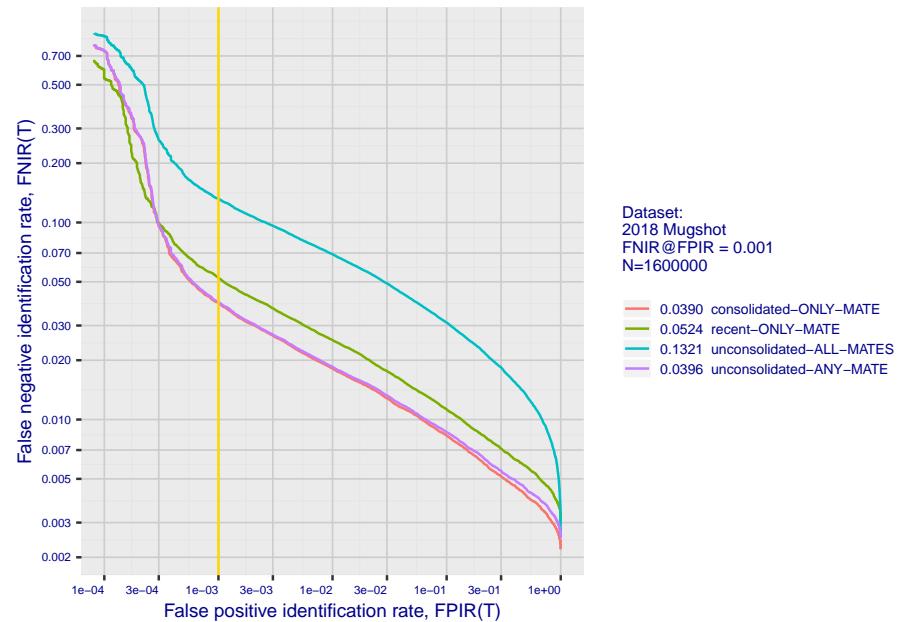
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



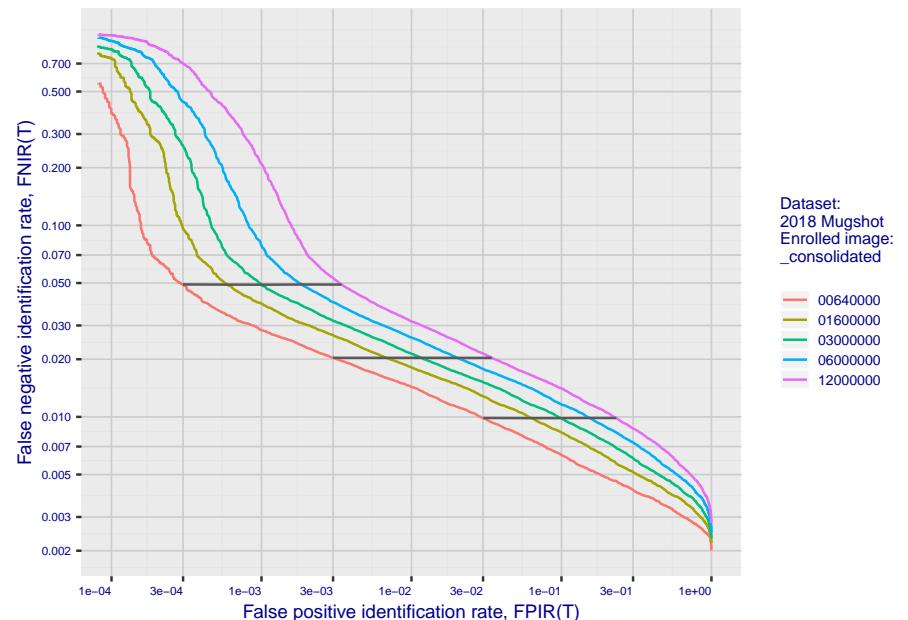
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

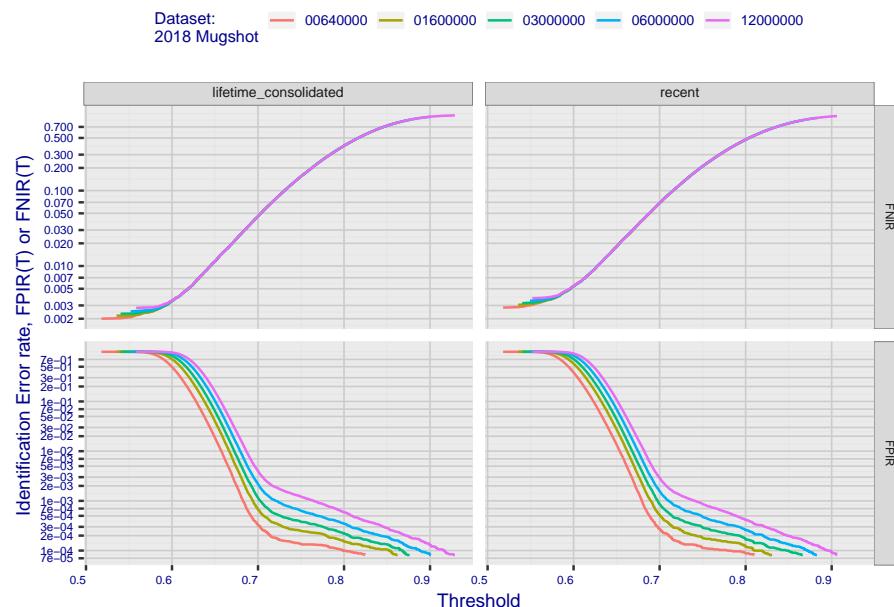


**Fig 4: DET for various N. Links connect points of equal threshold.**

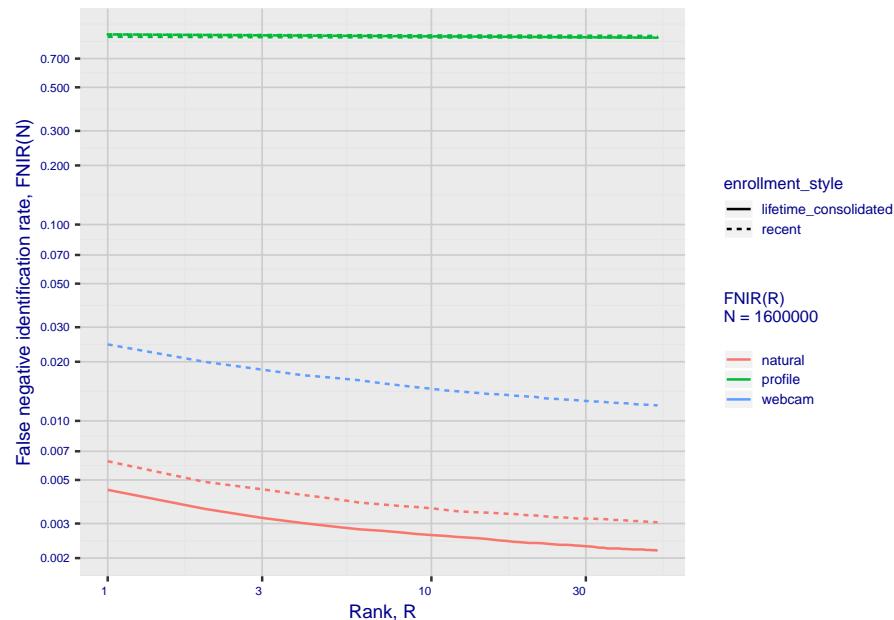


## 2. Report for algorithm cognitec\_3 2020-03-20 13:14:51

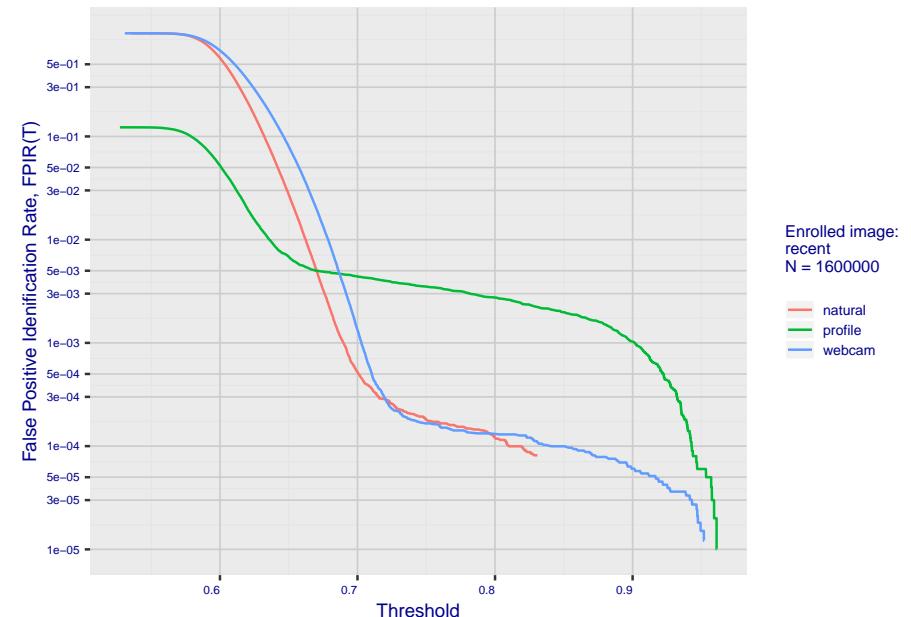
**Fig 5: Dependence on T by number enrolled identities**



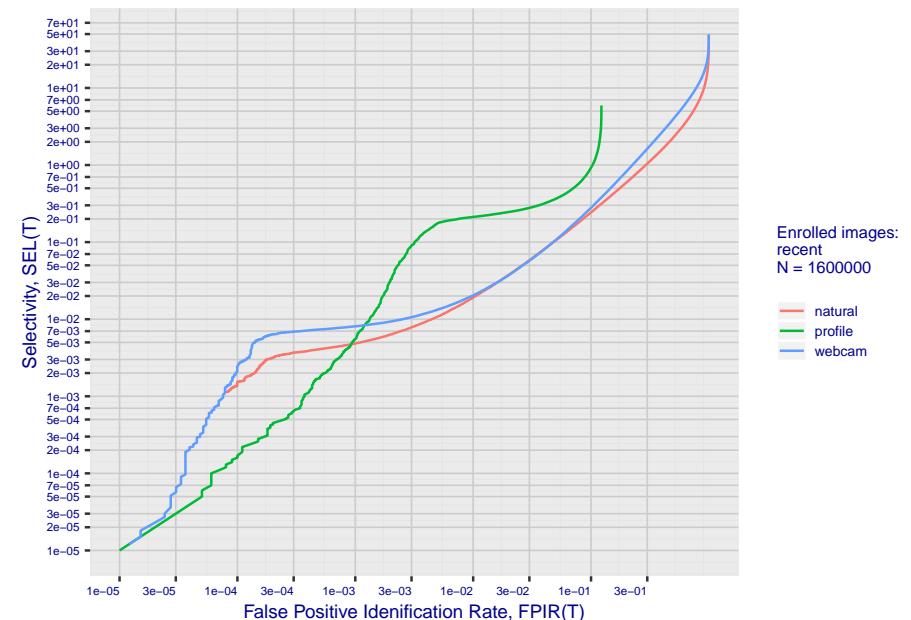
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

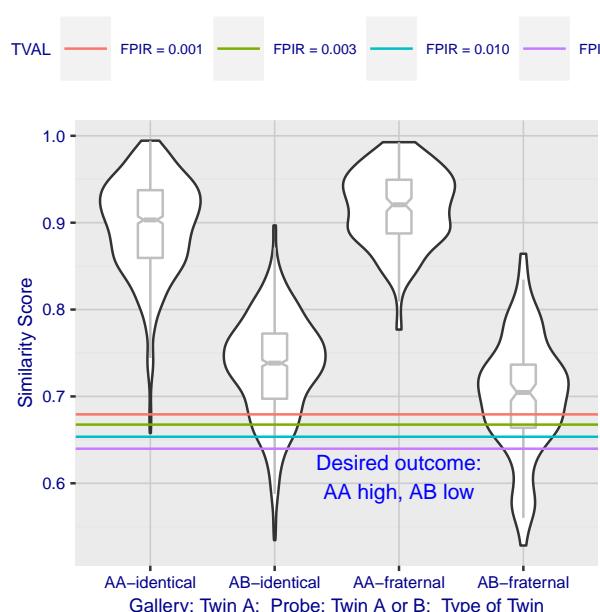


**Fig 8: FPIR vs. Selectivity**

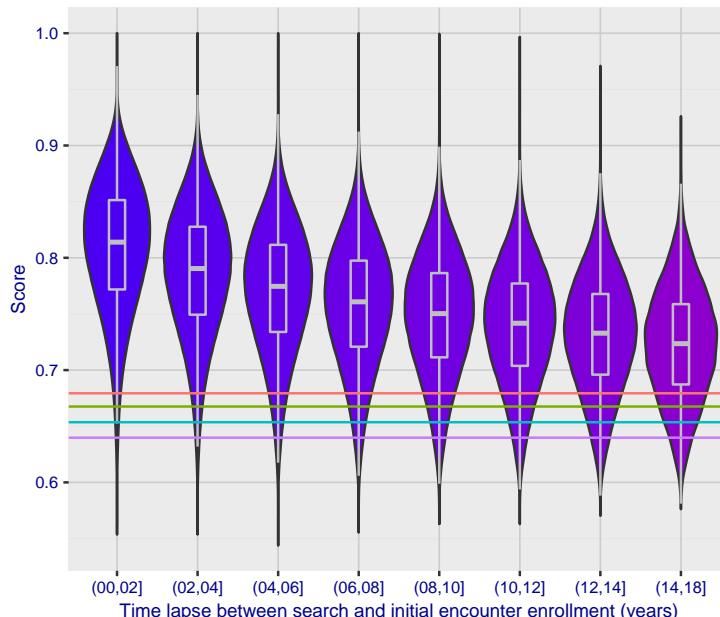


### 3. Report for algorithm cognitec\_3 2020-03-20 13:14:51

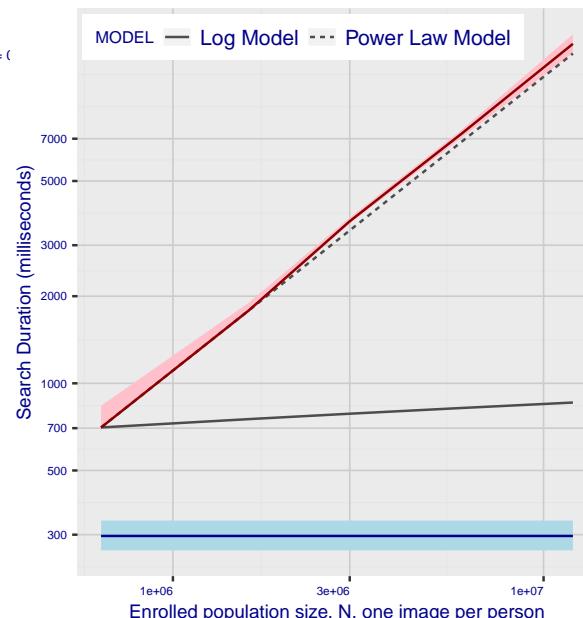
**Fig 9: Solo-Twin and Twin-Twin similarity scores**



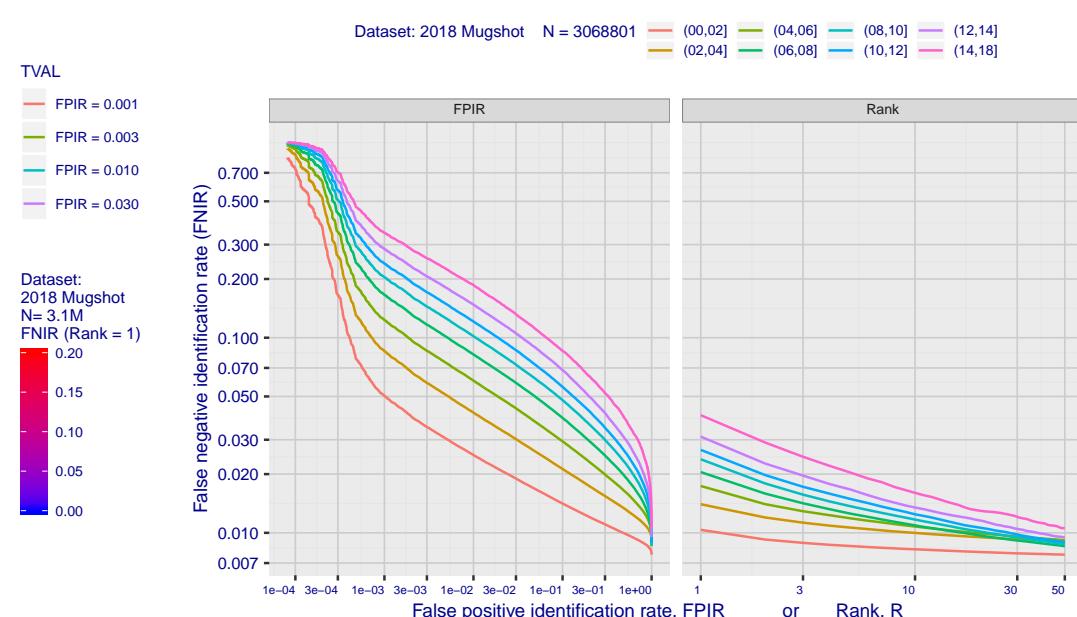
**Fig 12: Decline of genuine scores with ageing**



**Fig 10: Template duration; search duration vs. N**



**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

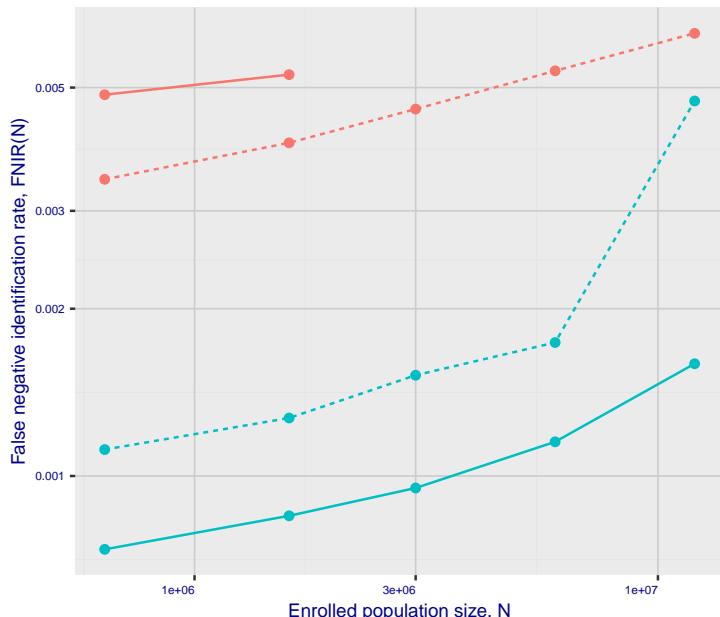


**Fig 11: Datasheet**

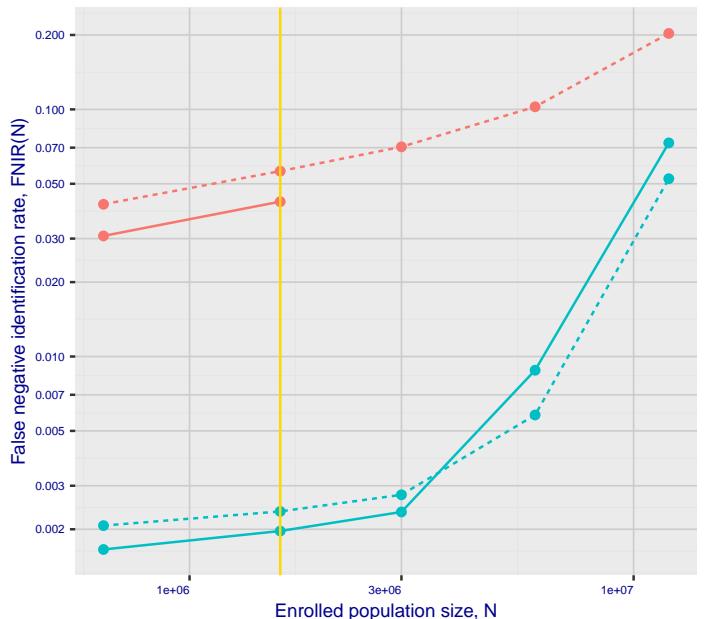
Algorithm:	cognitec_3
Developer:	Cognitec Systems GmbH
Submission Date:	2018_10_30
Template size:	2052 bytes
Template time (2.5 percentile):	265 msec
Template time (median):	297 msec
Template time (97.5 percentile):	336 msec
Investigation rank 69 -- FNIR(1600000, 0, 1) = 0.0062 vs. lowest 0.0010 from sensetime_003	
Identification rank 62 -- FNIR(1600000, T, L+1) = 0.0524	
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm cyberlink\_000 2020-03-20 13:12:40

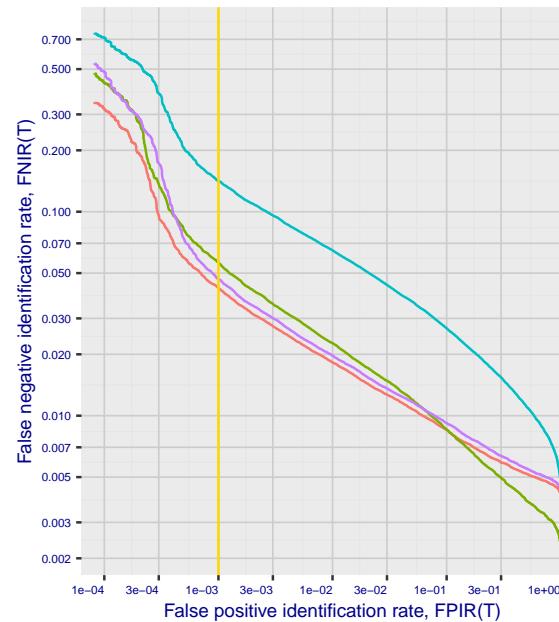
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



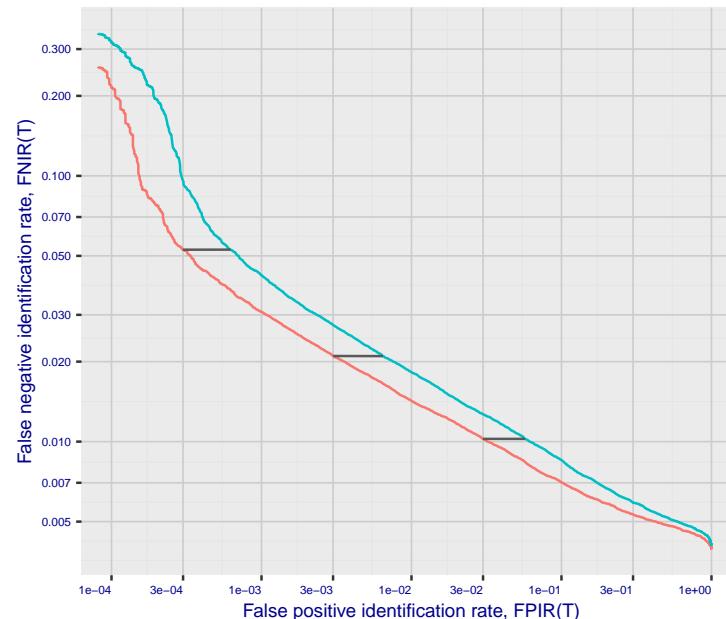
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**



Dataset:

2018 Mugshot

FNIR@FPIR = 0.001

N=1600000

0.0423 consolidated-ONLY-MATE

0.0563 recent-ONLY-MATE

0.1412 unconsolidated-ALL-MATES

0.0466 unconsolidated-ANY-MATE

Dataset:

2018 Mugshot

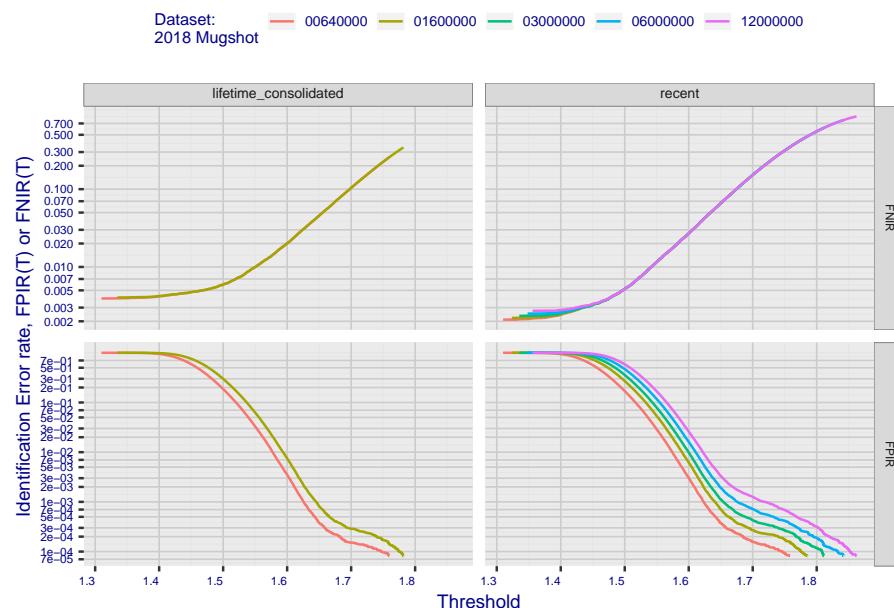
Enrolled image: \_consolidated

00640000

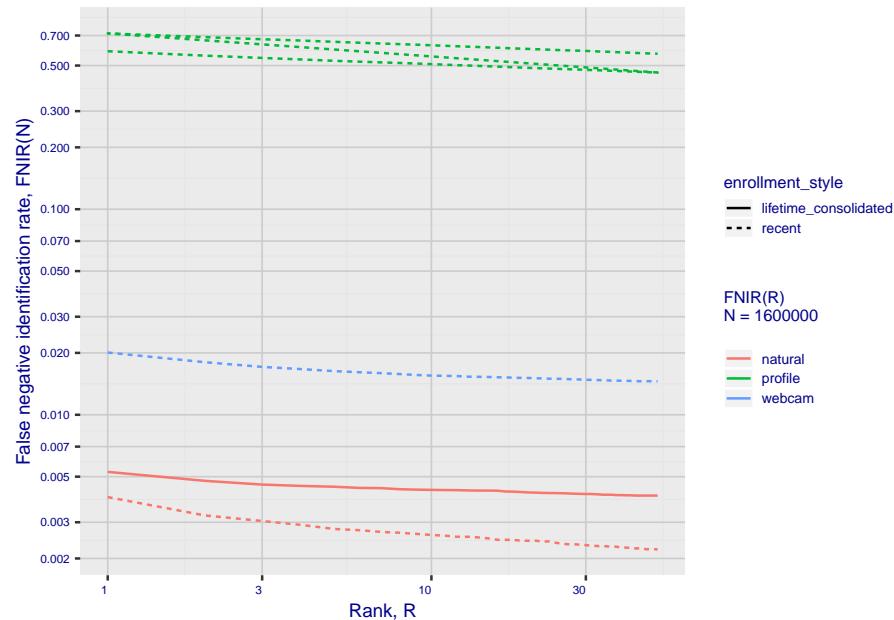
01600000

## 2. Report for algorithm cyberlink\_000 2020-03-20 13:12:40

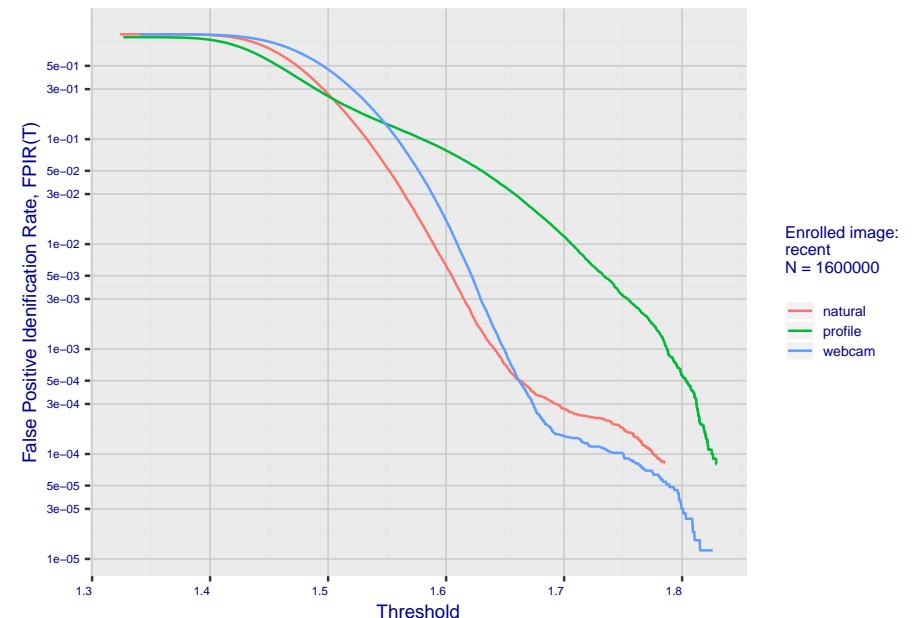
**Fig 5: Dependence on T by number enrolled identities**



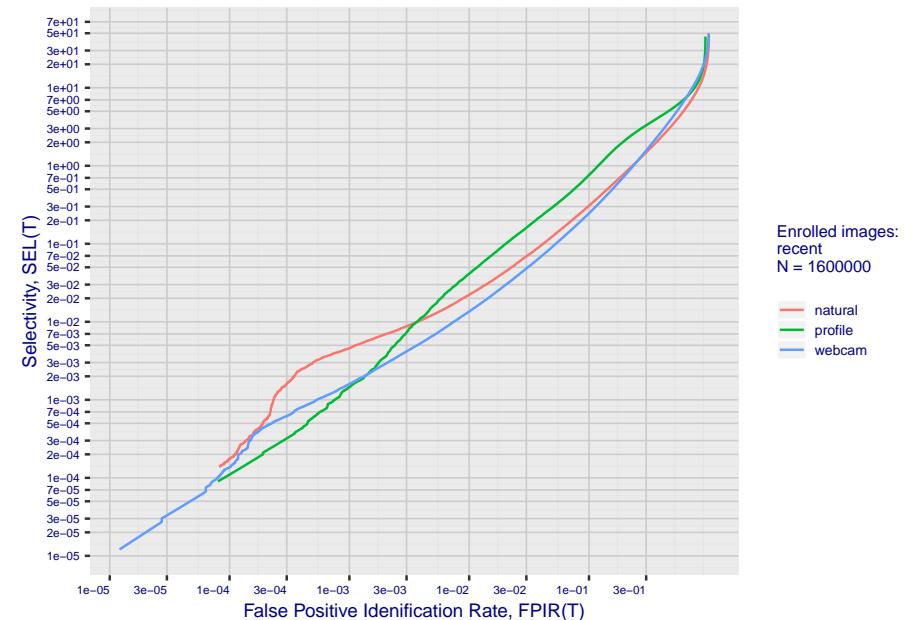
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm cyberlink\_000 2020-03-20 13:12:40

Fig 10: Template duration; search duration vs. N

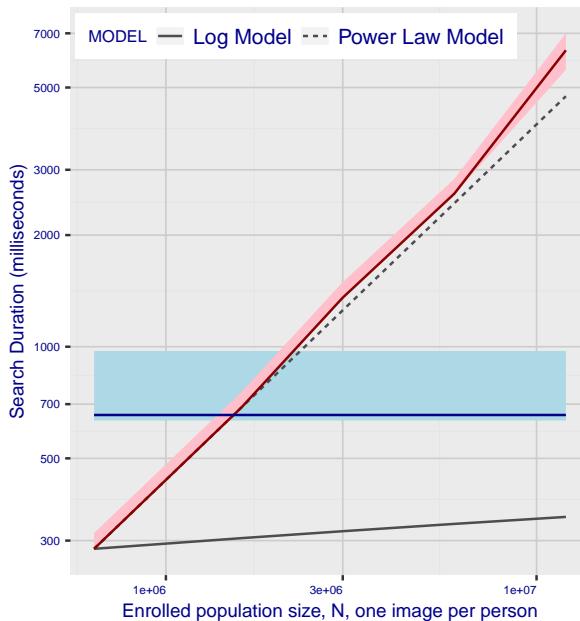
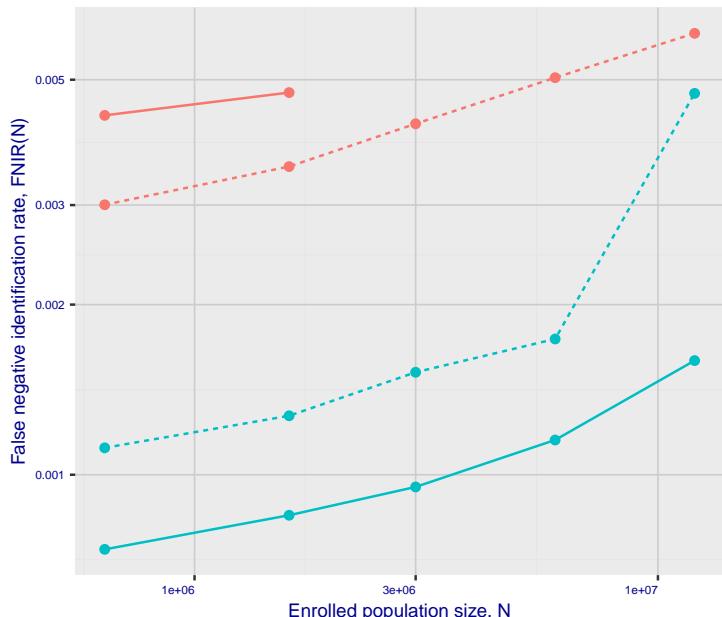


Fig 11: Datasheet

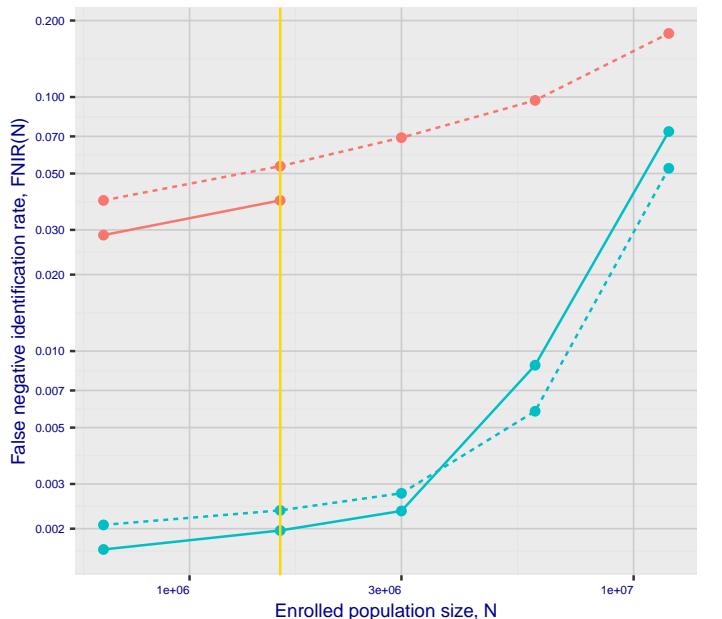
Algorithm: cyberlink_000
Developer: Cyberlink Corp
Submission Date: 2019_06_12
Template size: 2052 bytes
Template time (2.5 percentile): 632 msec
Template time (median): 654 msec
Template time (97.5 percentile): 974 msec
Investigation rank 44 -- FNIR(1600000, 0, 1) = 0.0040 vs. lowest 0.0010 from sensetime_003
Identification rank 71 -- FNIR(1600000, T, L+1) = 0.0563
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm cyberlink\_001 2020-03-20 13:12:40

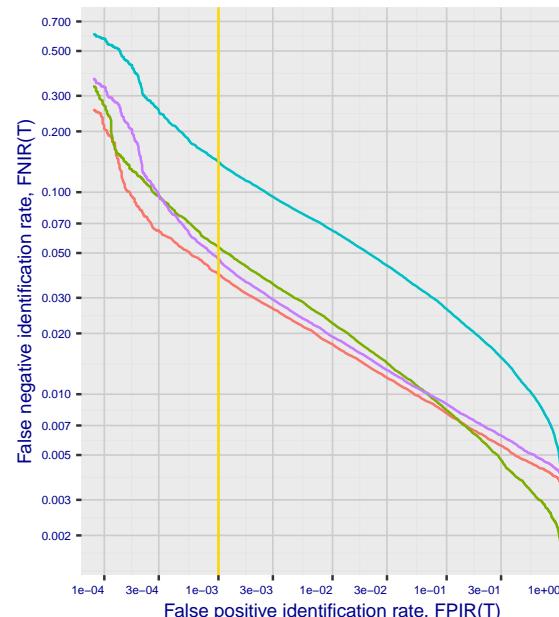
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



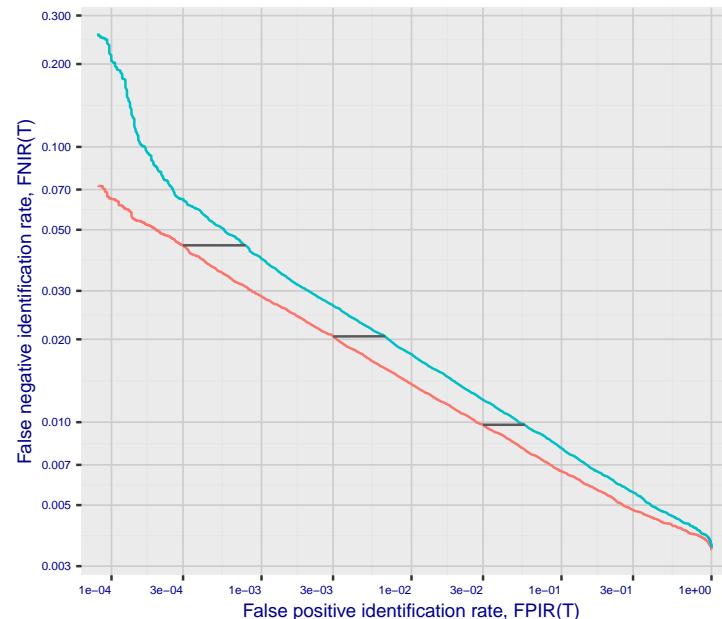
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

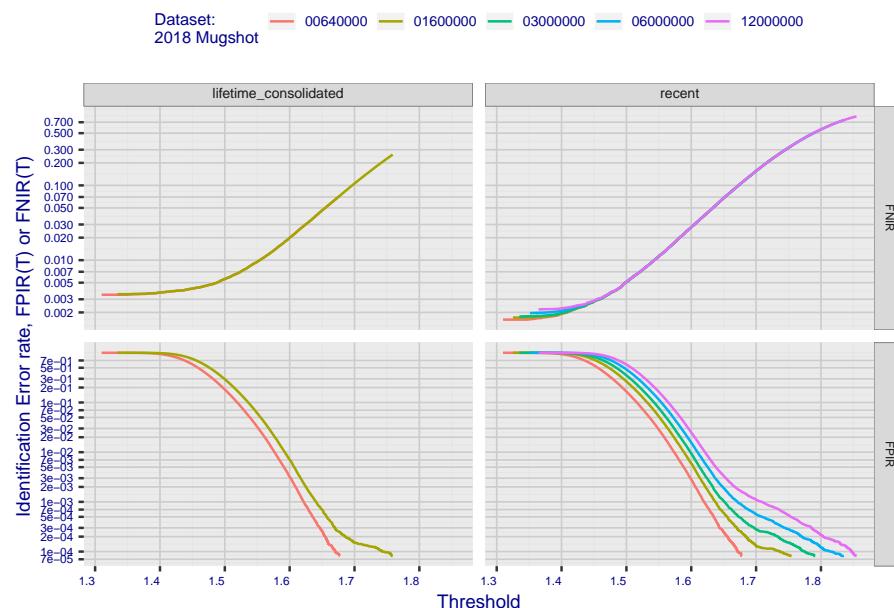


**Fig 4: DET for various N. Links connect points of equal threshold.**

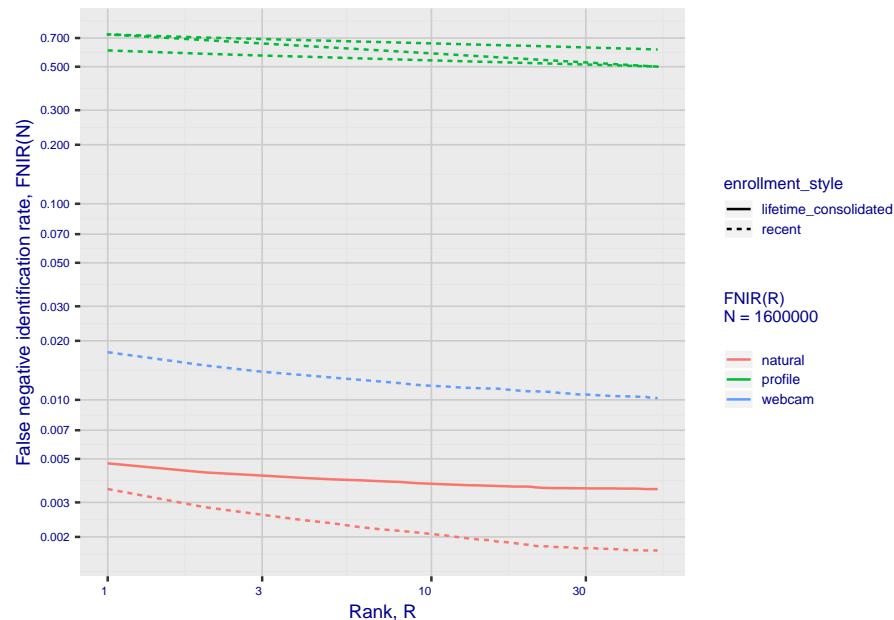


## 2. Report for algorithm cyberlink\_001 2020-03-20 13:12:40

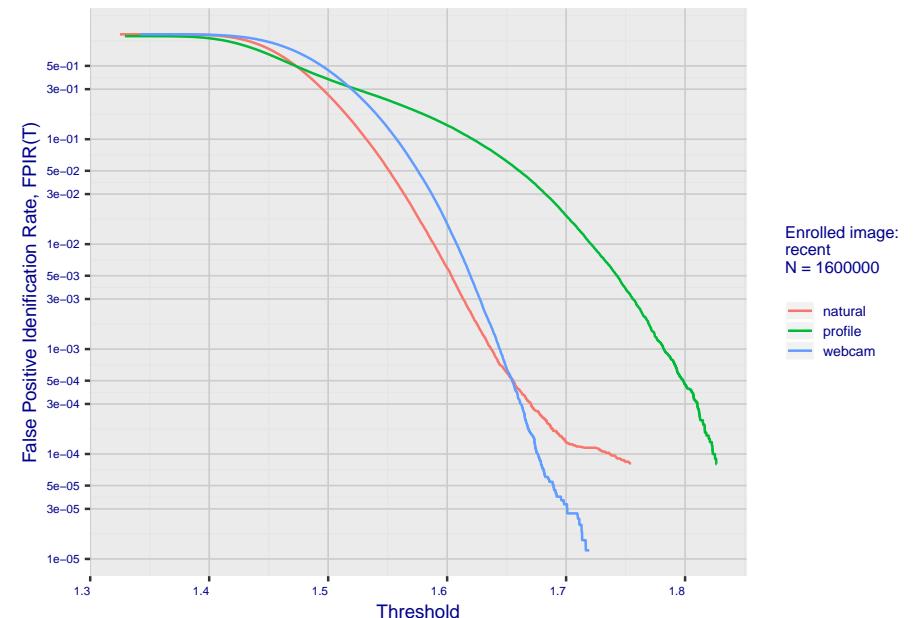
**Fig 5: Dependence on T by number enrolled identities**



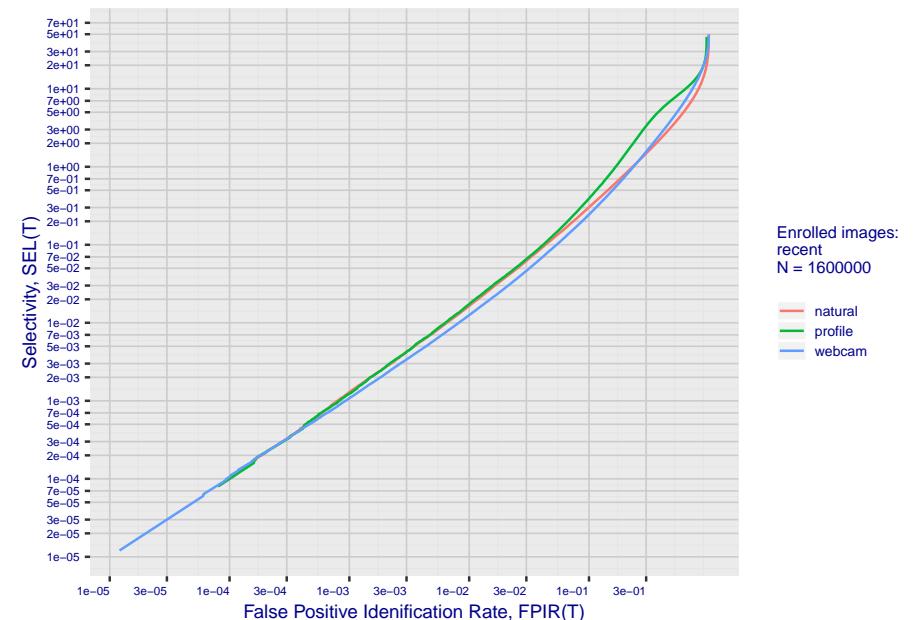
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm cyberlink\_001 2020-03-20 13:12:40

Fig 10: Template duration; search duration vs. N

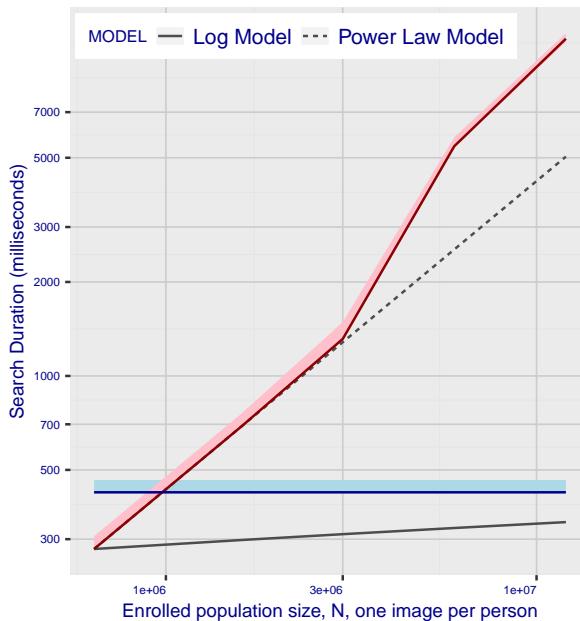
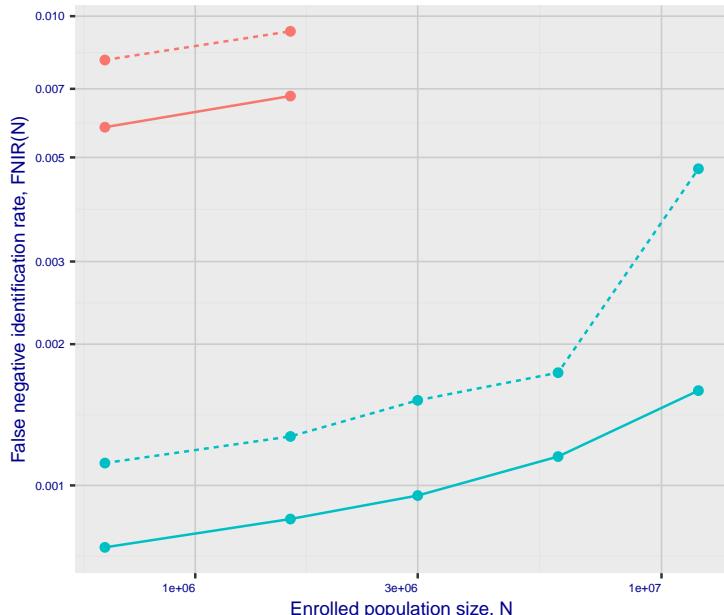


Fig 11: Datasheet

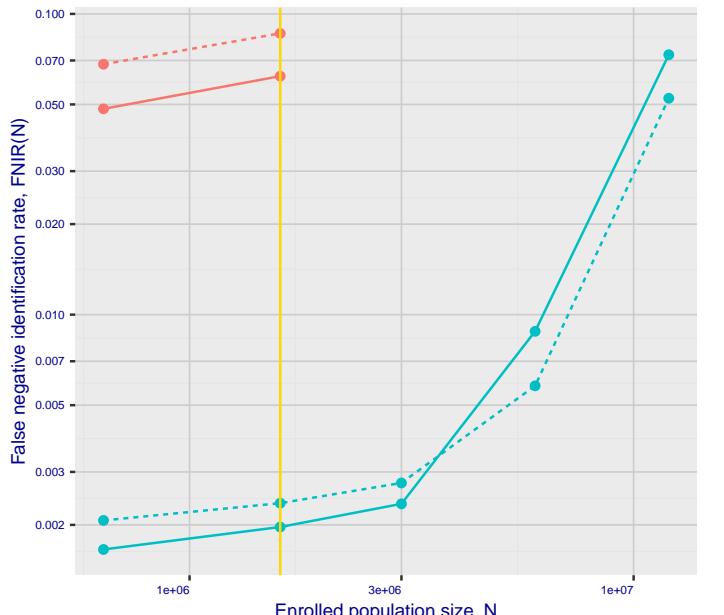
Algorithm: cyberlink_001
Developer: Cyberlink Corp
Submission Date: 2019_10_07
Template size: 2052 bytes
Template time (2.5 percentile): 423 msec
Template time (median): 424 msec
Template time (97.5 percentile): 464 msec
Investigation rank 35 --- FNIR(1600000, 0, 1) = 0.0035 vs. lowest 0.0010 from sensetime_003
Identification rank 66 --- FNIR(1600000, T, L+1) = 0.0534
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm dahua\_0 2020-03-20 13:12:39

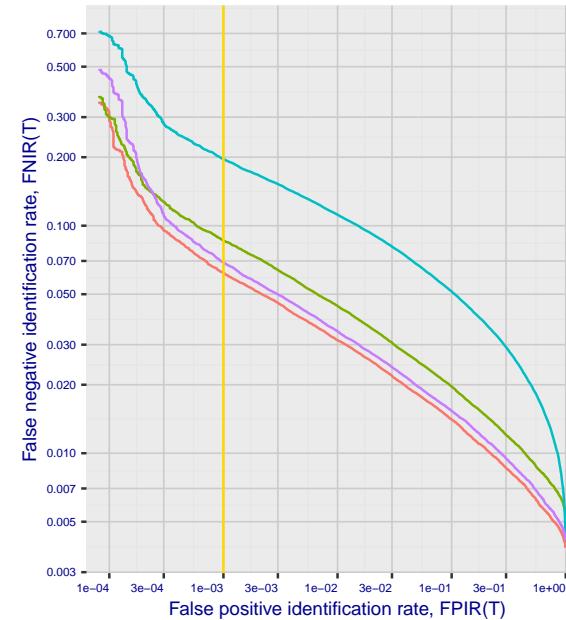
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



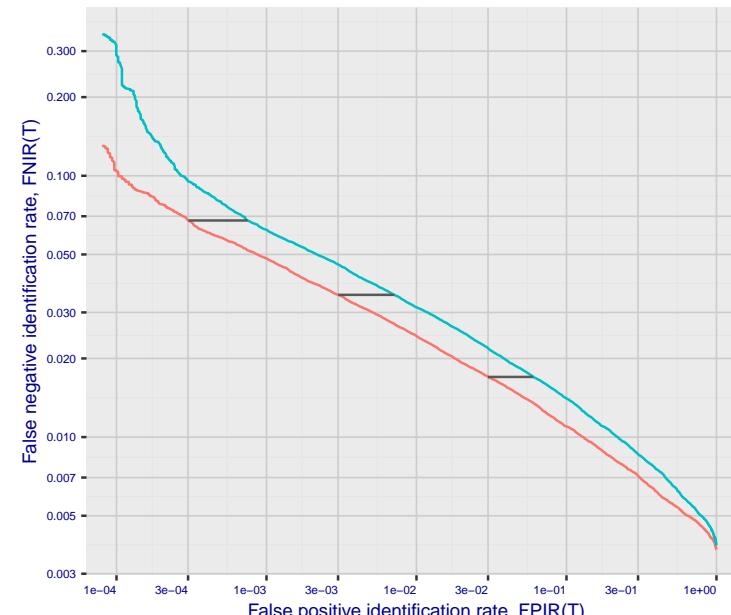
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

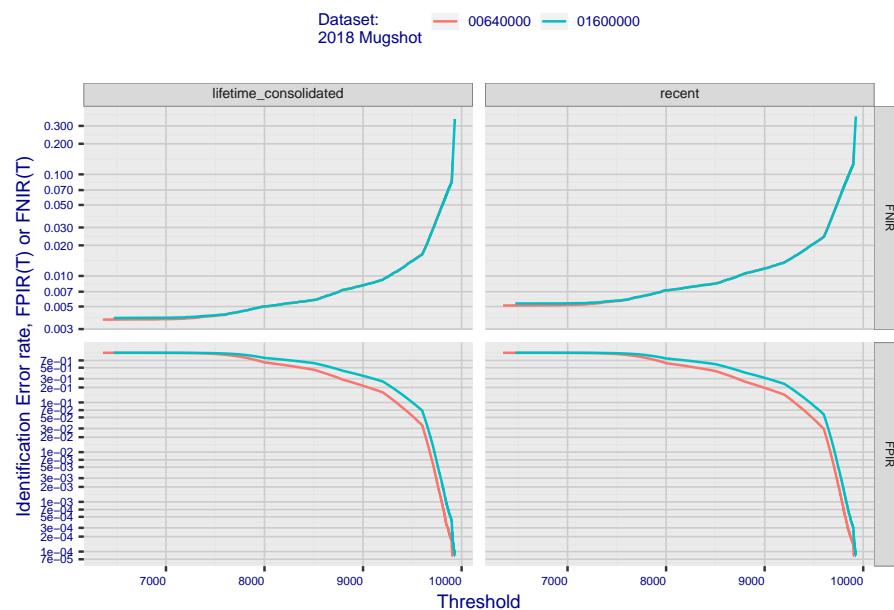


**Fig 4: DET for various N. Links connect points of equal threshold.**

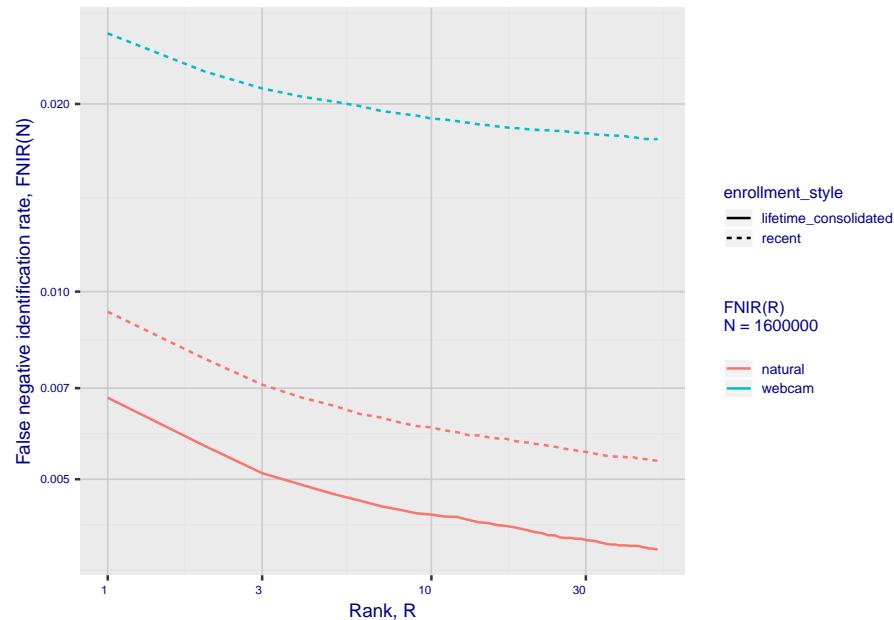


## 2. Report for algorithm dahua\_0 2020-03-20 13:12:39

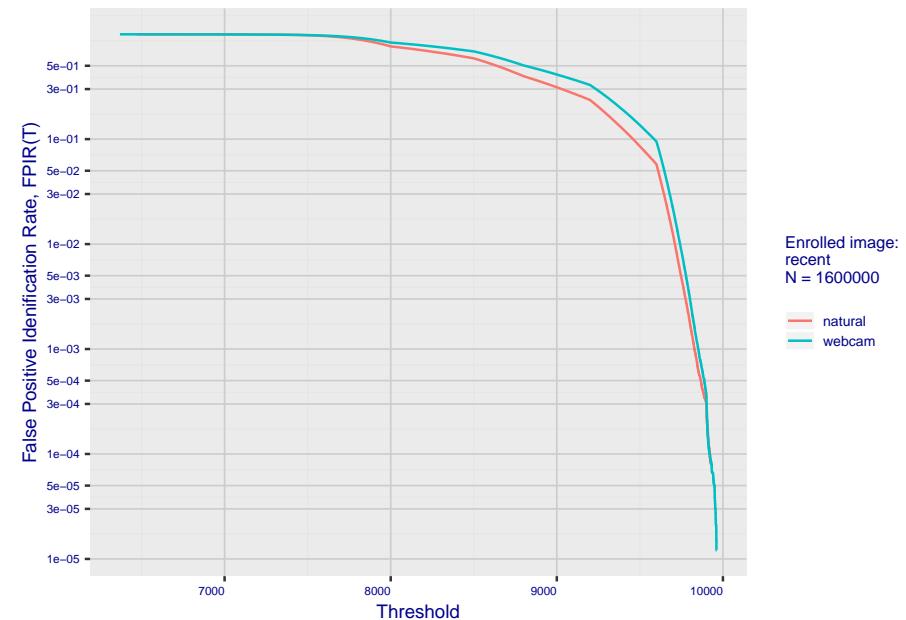
**Fig 5: Dependence on T by number enrolled identities**



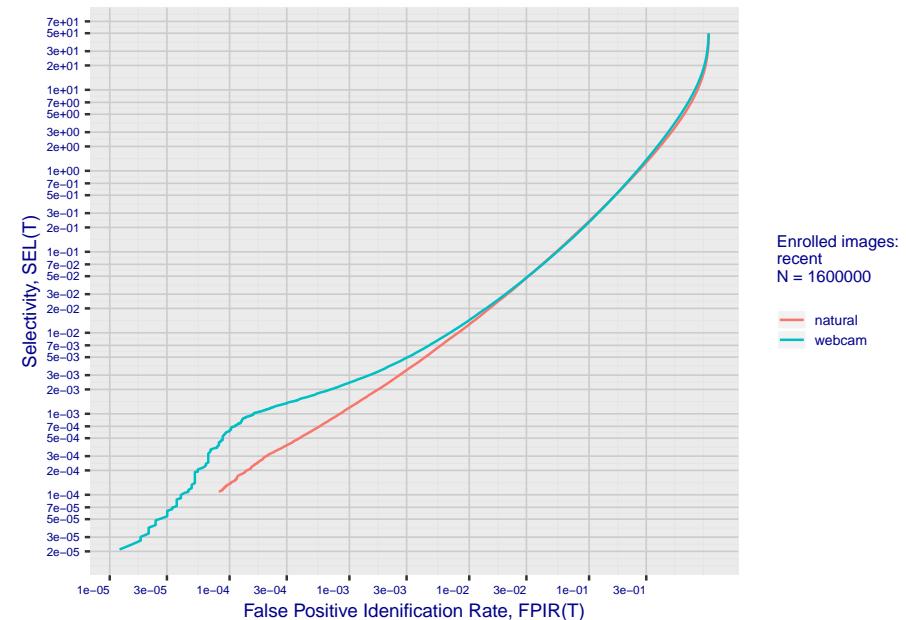
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm dahua\_0 2020-03-20 13:12:39

Fig 10: Template duration; search duration vs. N

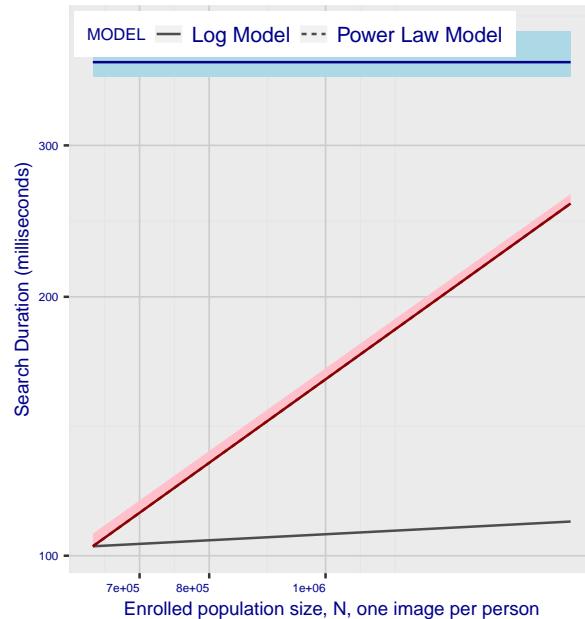
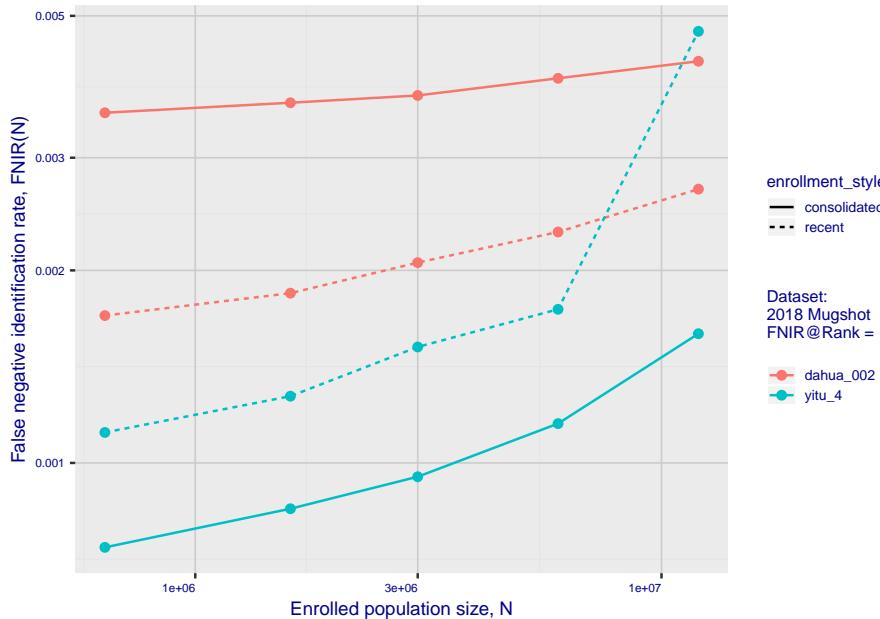


Fig 11: Datasheet

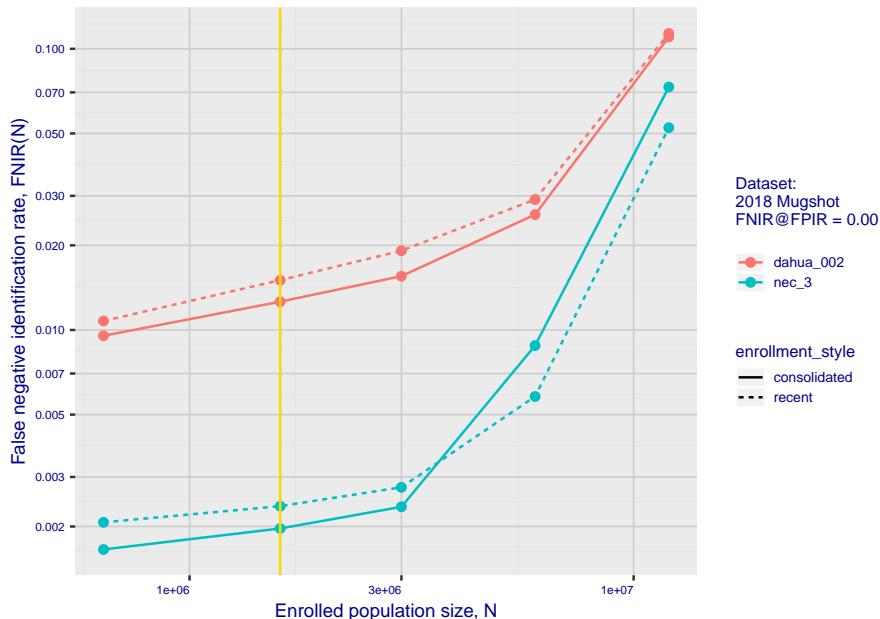
Algorithm: dahua_0
Developer: Dahua Technology Co Ltd
Submission Date: 2018_10_29
Template size: 2048 bytes
Template time (2.5 percentile): 361 msec
Template time (median): 375 msec
Template time (97.5 percentile): 407 msec
Investigation rank 95 --- FNIR(1600000, 0, 1) = 0.0093 vs. lowest 0.0010 from sensetime_003
Identification rank 94 --- FNIR(1600000, T, L+1) = 0.0861
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm dahua\_002 2020-03-20 13:14:38

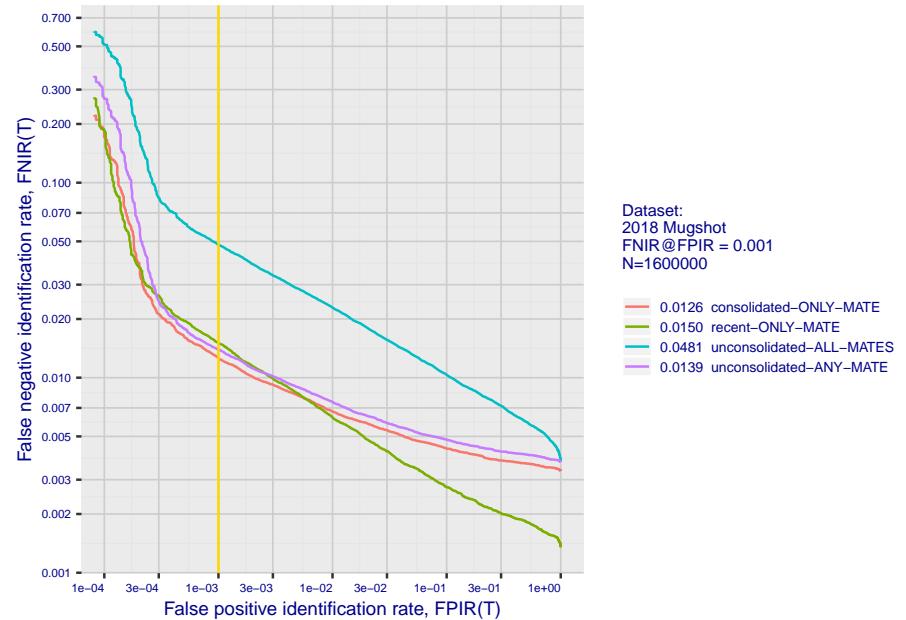
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



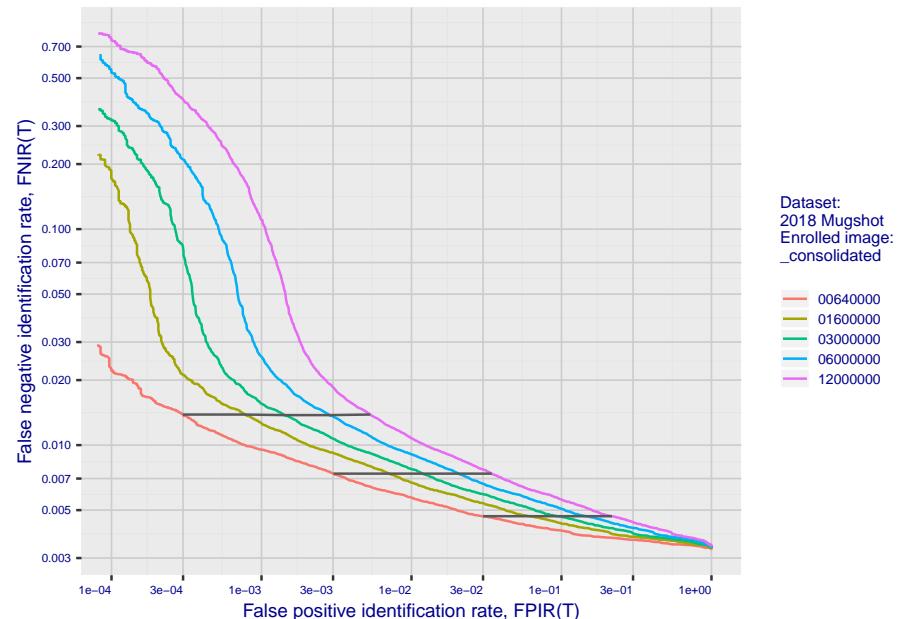
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

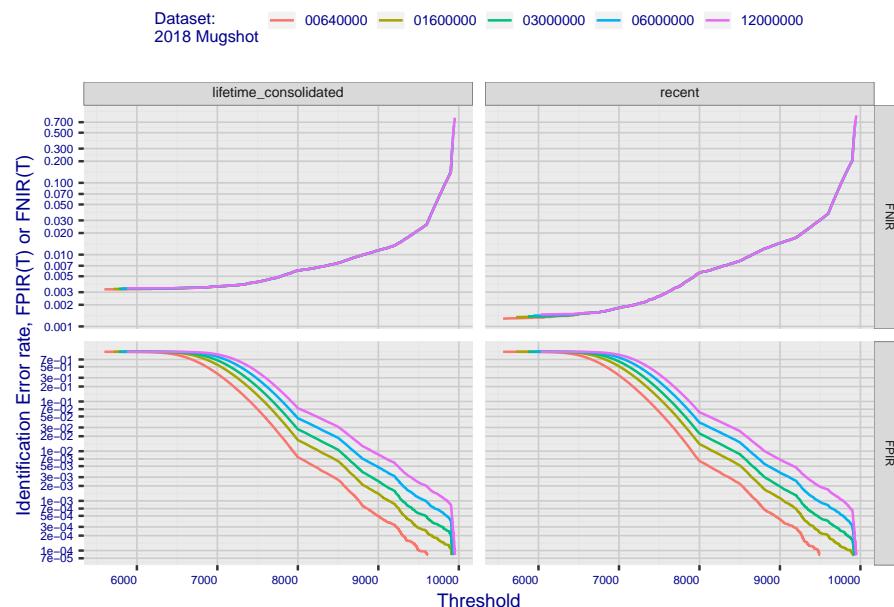


**Fig 4: DET for various N. Links connect points of equal threshold.**

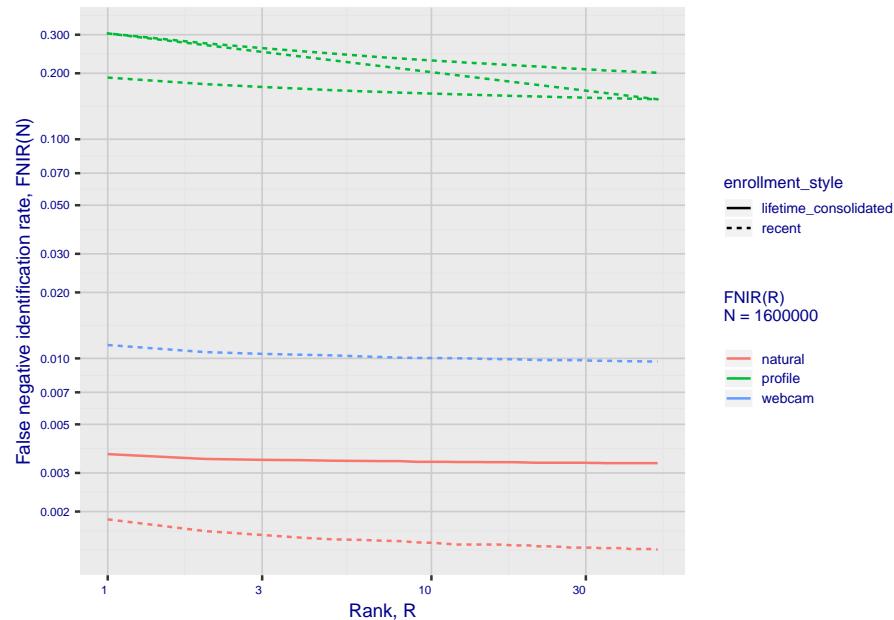


## 2. Report for algorithm dahua\_002 2020-03-20 13:14:38

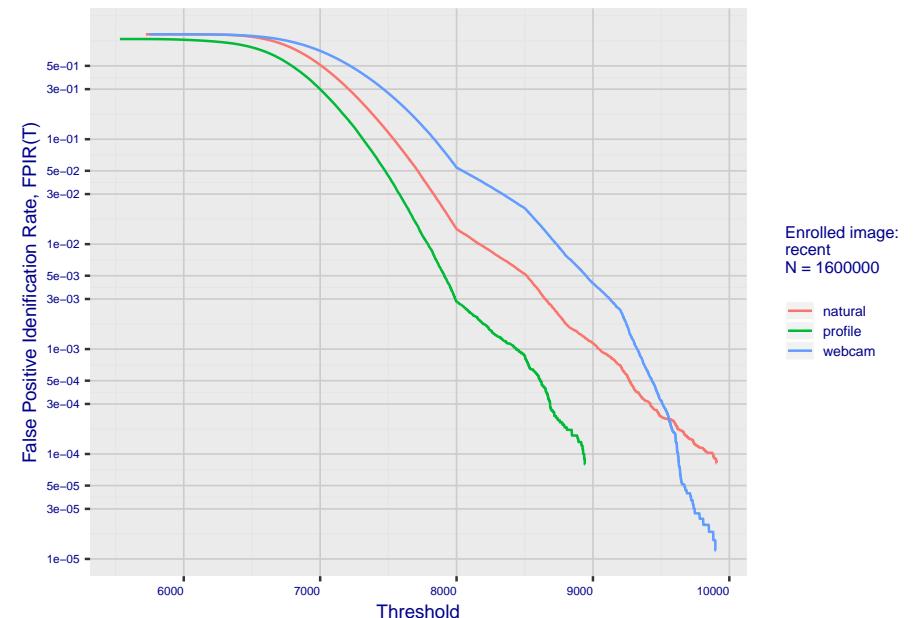
**Fig 5: Dependence on T by number enrolled identities**



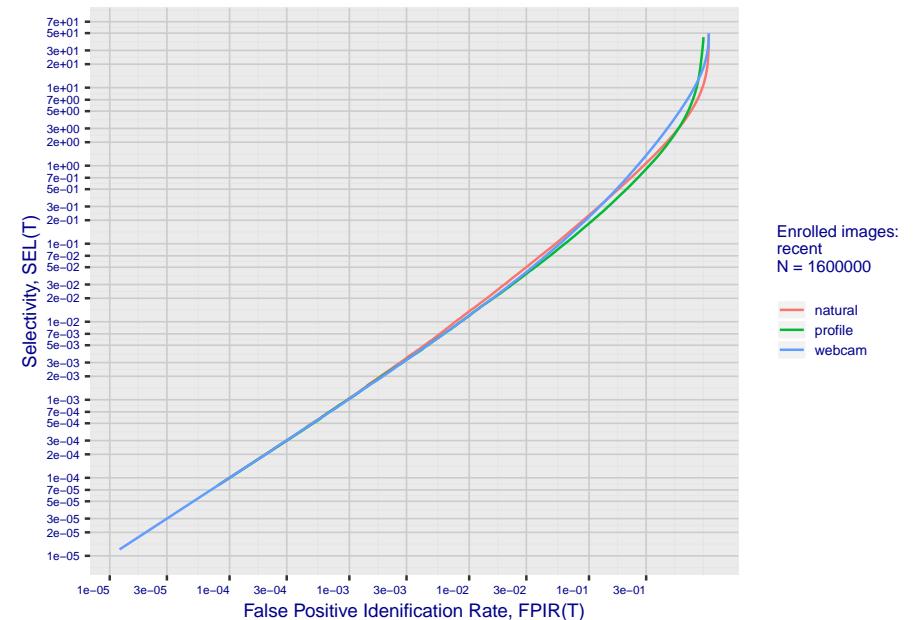
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

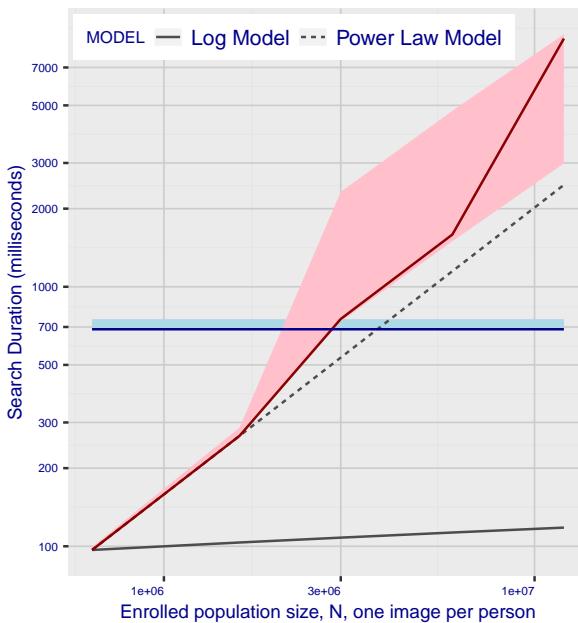


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm dahua\_002 2020-03-20 13:14:38

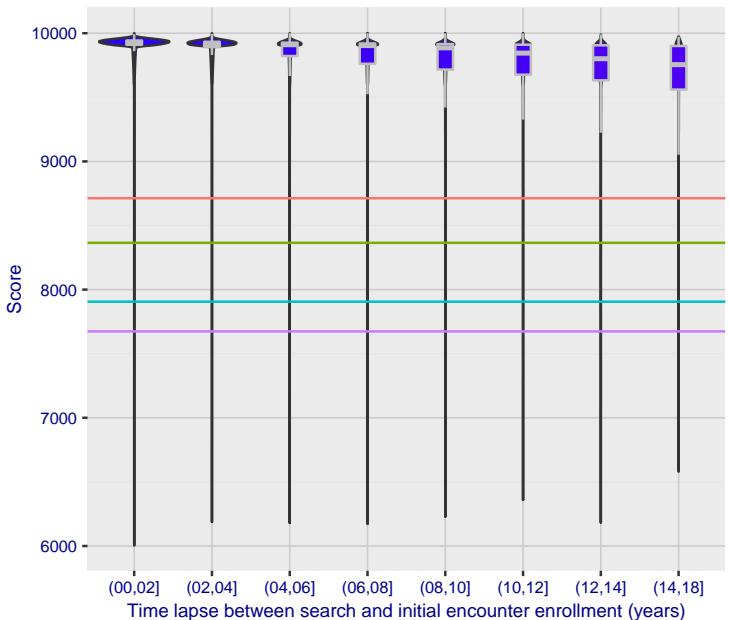
**Fig 10: Template duration; search duration vs. N**



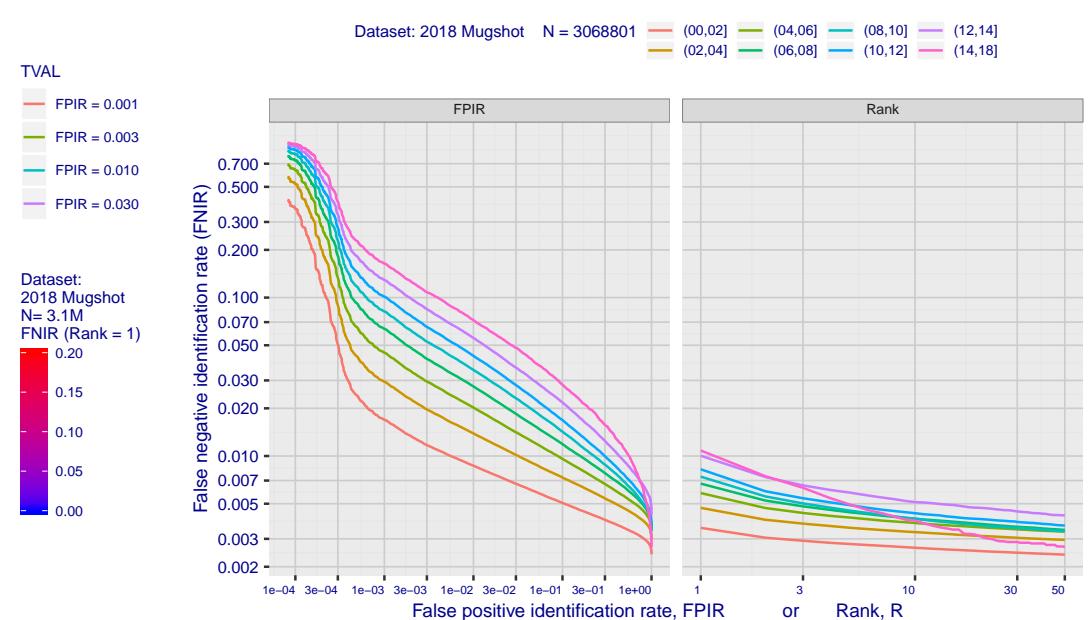
**Fig 11: Datasheet**

Algorithm: dahua_002
Developer: Dahua Technology Co Ltd
Submission Date: 2019_12_02
Template size: 2048 bytes
Template time (2.5 percentile): 682 msec
Template time (median): 686 msec
Template time (97.5 percentile): 750 msec
Investigation rank 14 -- FNIR(1600000, 0, 1) = 0.0018 vs. lowest 0.0010 from sensetime_003
Identification rank 12 -- FNIR(1600000, T, L+1) = 0.0150
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

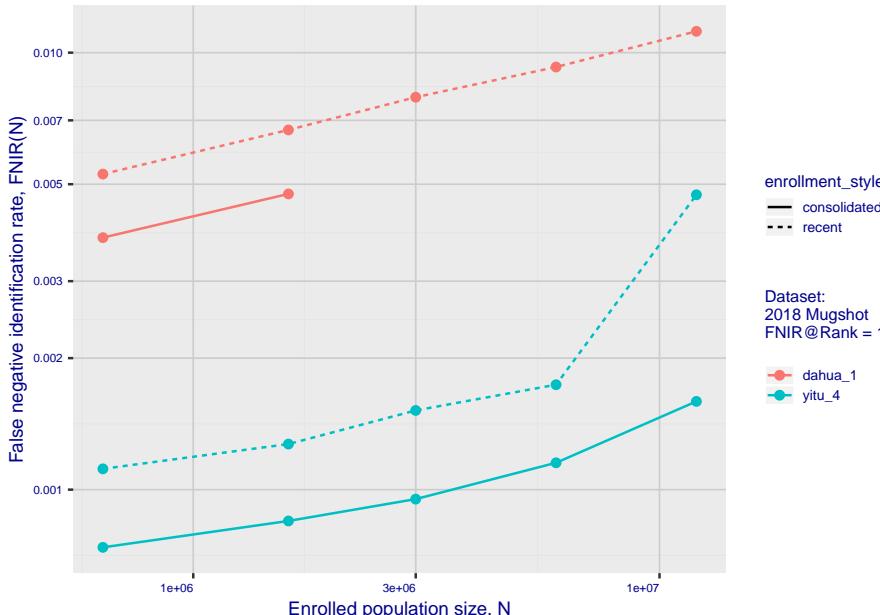


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

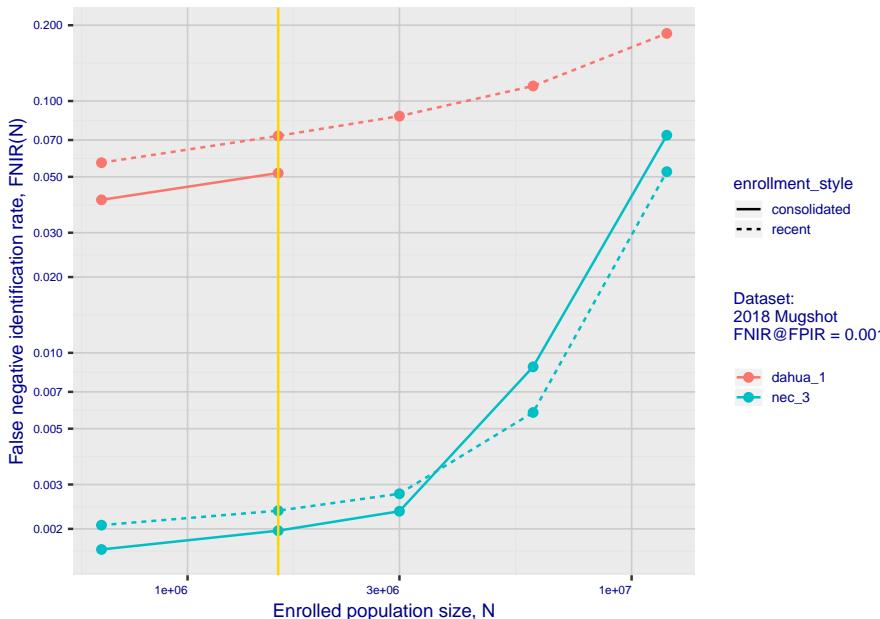


# 1. Report for algorithm dahua\_1 2020-03-20 13:16:20

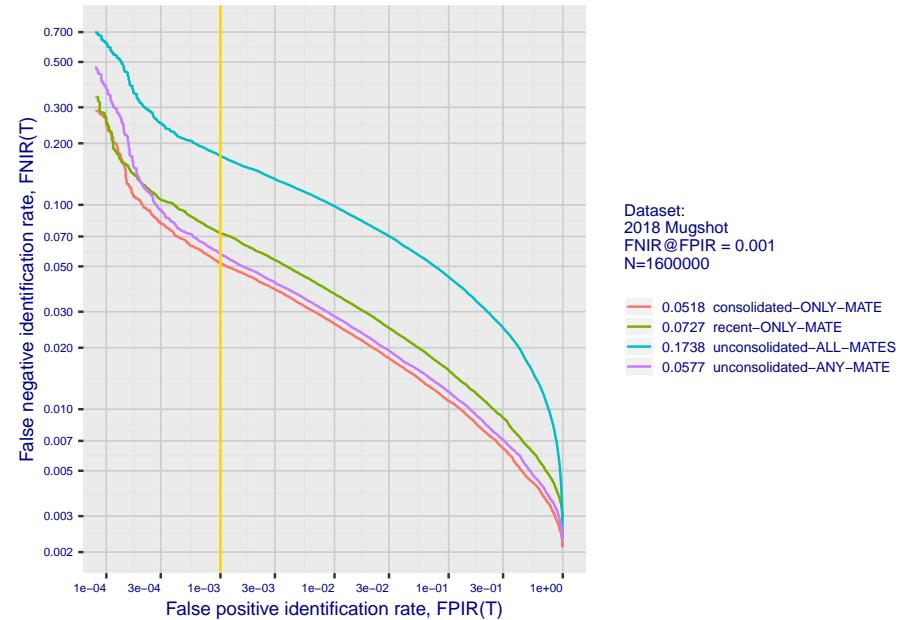
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



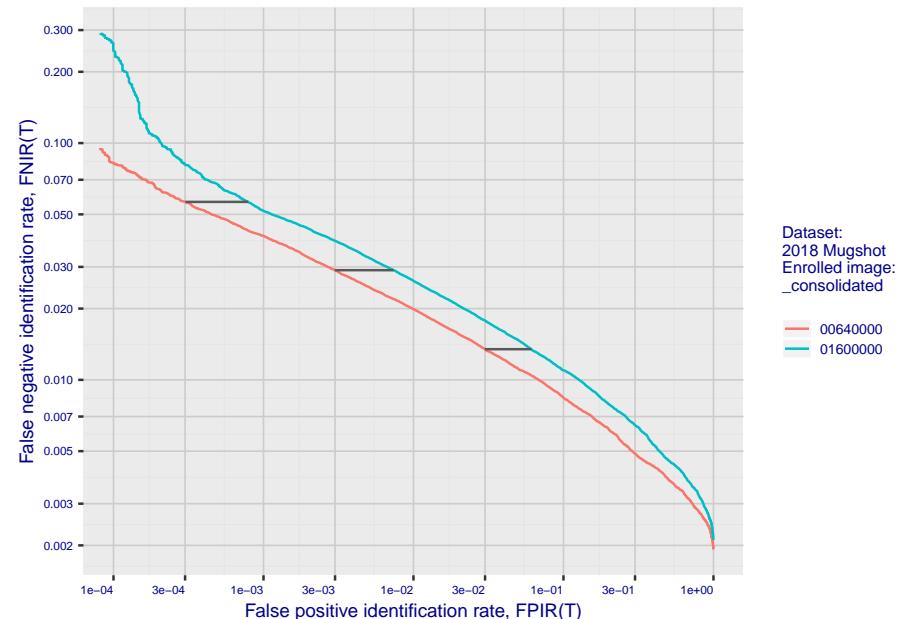
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

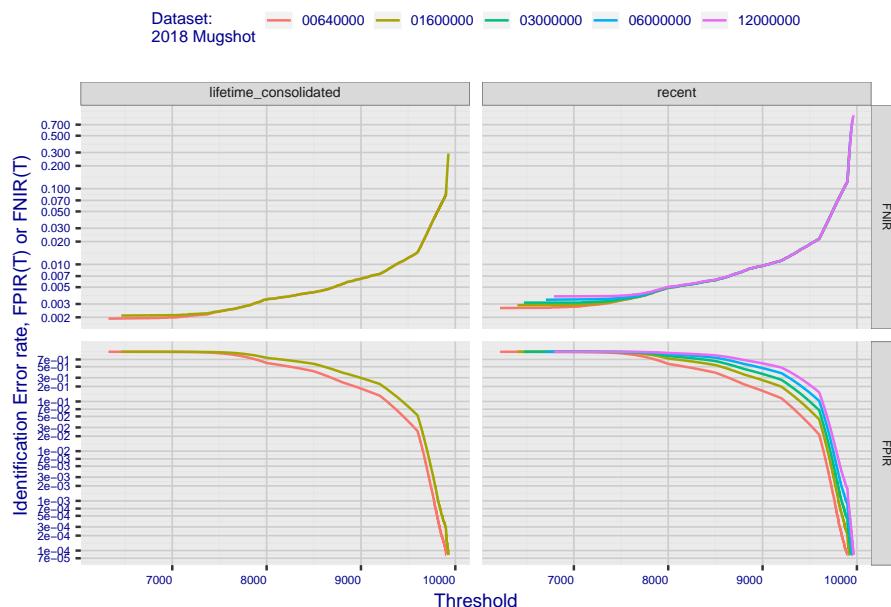


**Fig 4: DET for various N. Links connect points of equal threshold.**

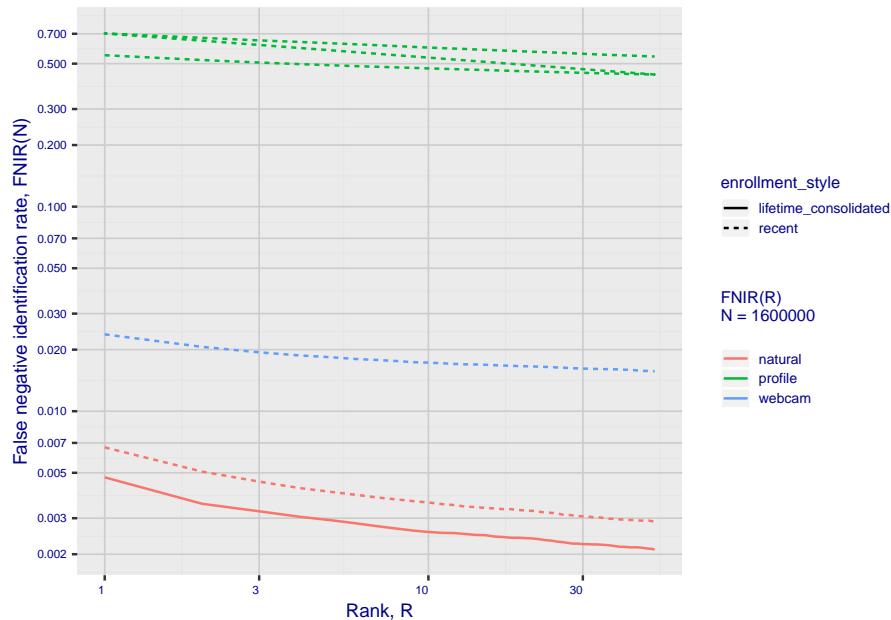


## 2. Report for algorithm dahua\_1 2020-03-20 13:16:20

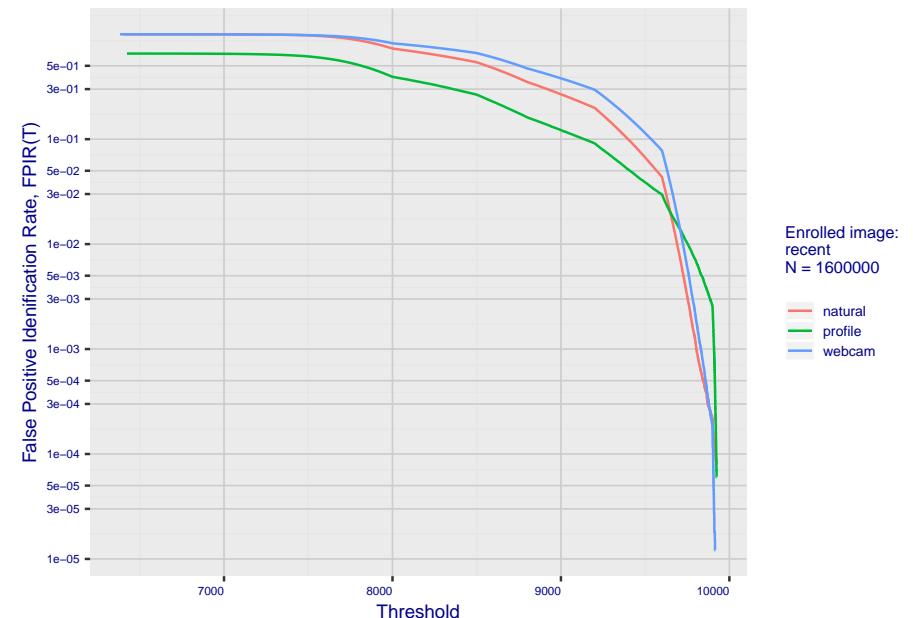
**Fig 5: Dependence on T by number enrolled identities**



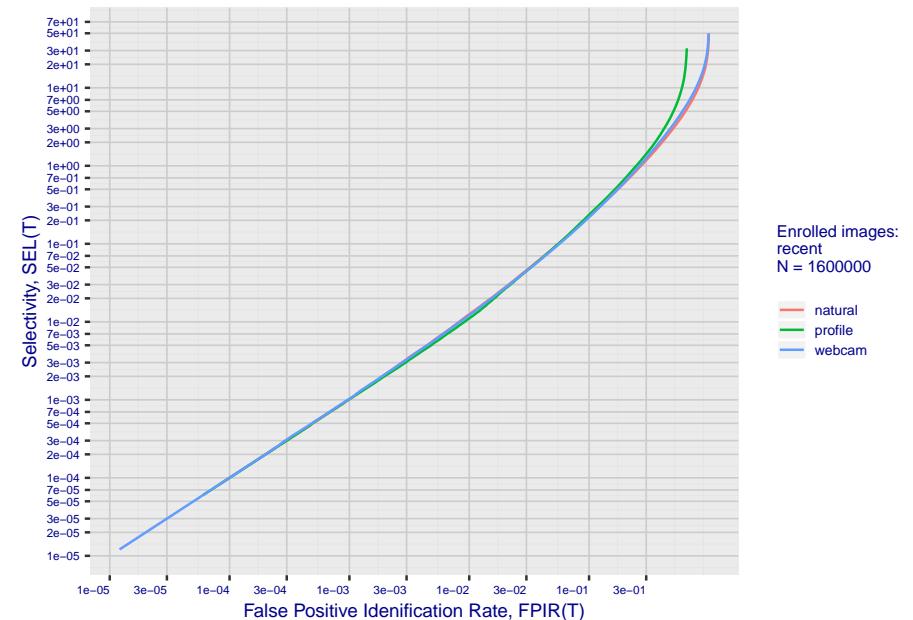
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm dahua\_1 2020-03-20 13:16:20

Fig 10: Template duration; search duration vs. N

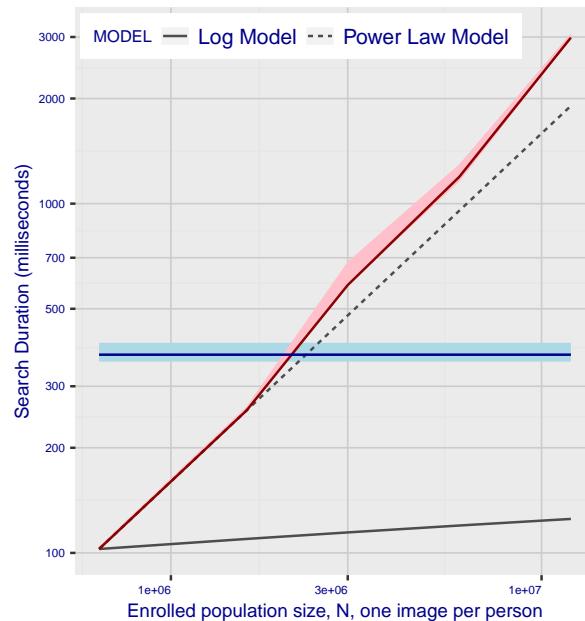
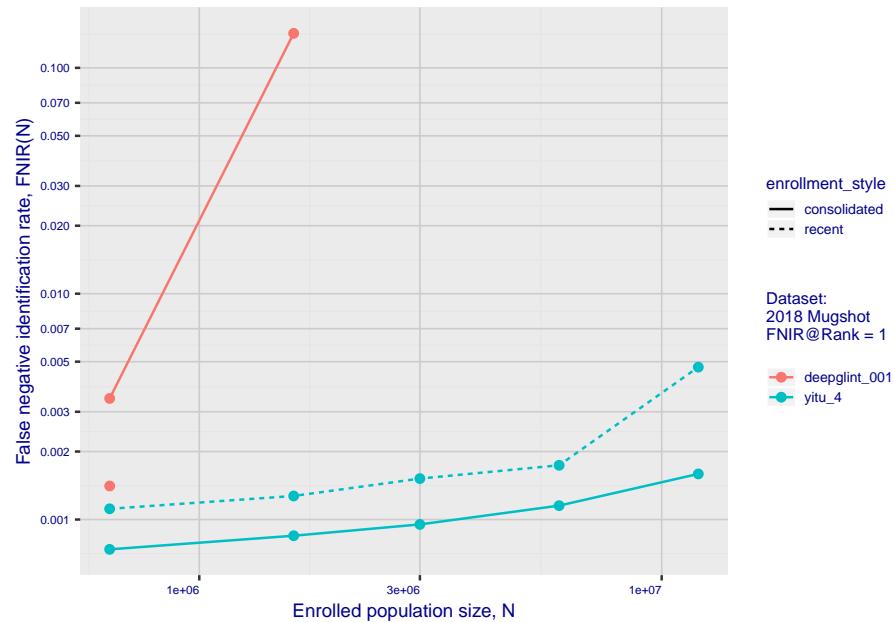


Fig 11: Datasheet

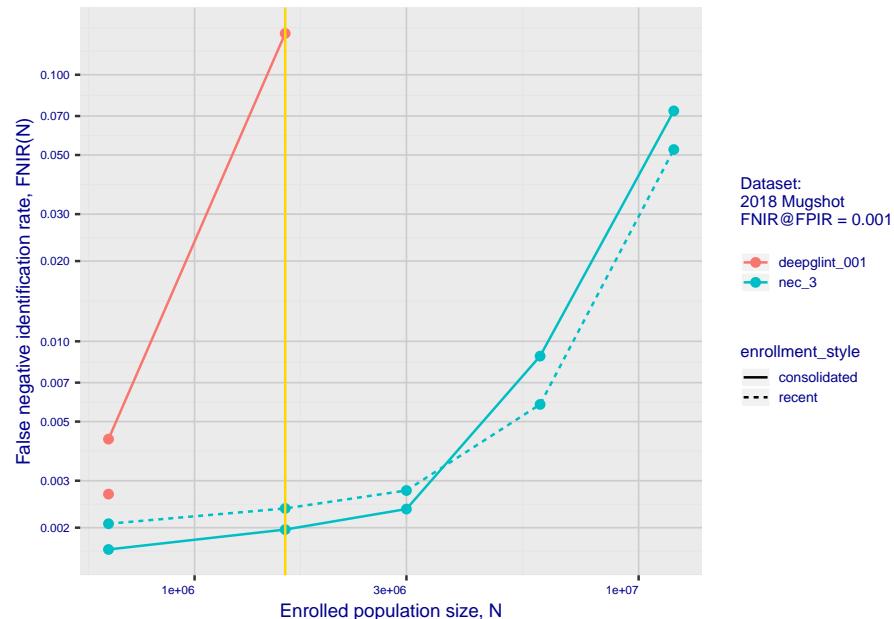
Algorithm: dahua_1
Developer: Dahua Technology Co Ltd
Submission Date: 2018_10_29
Template size: 2048 bytes
Template time (2.5 percentile): 353 msec
Template time (median): 369 msec
Template time (97.5 percentile): 400 msec
Investigation rank 73 --- FNIR(1600000, 0, 1) = 0.0067 vs. lowest 0.0010 from sensetime_003
Identification rank 86 --- FNIR(1600000, T, L+1) = 0.0727
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm deepglint\_001 2020-03-20 13:16:19

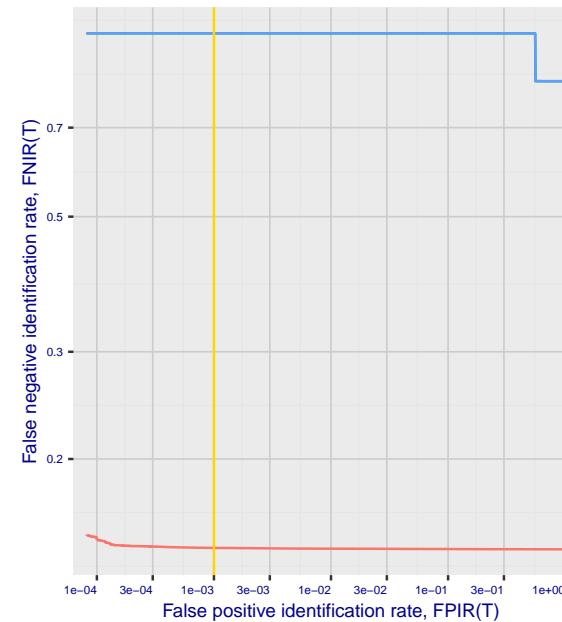
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



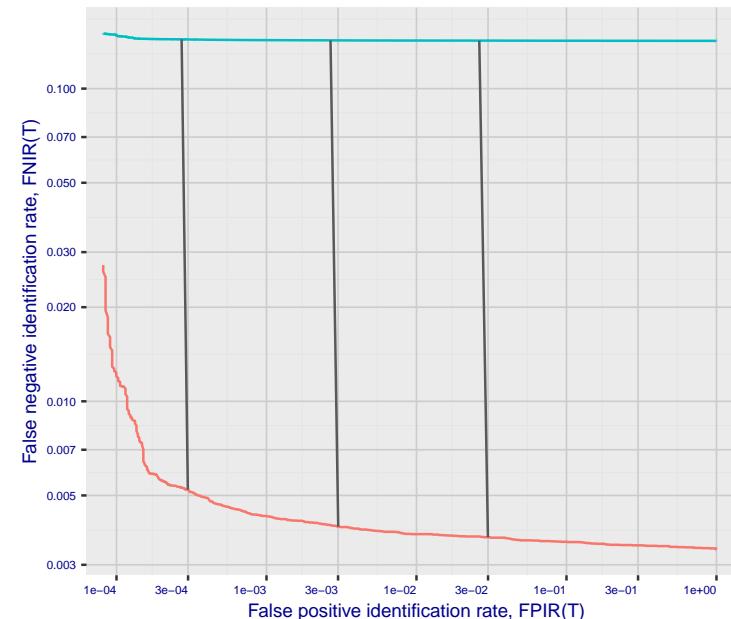
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

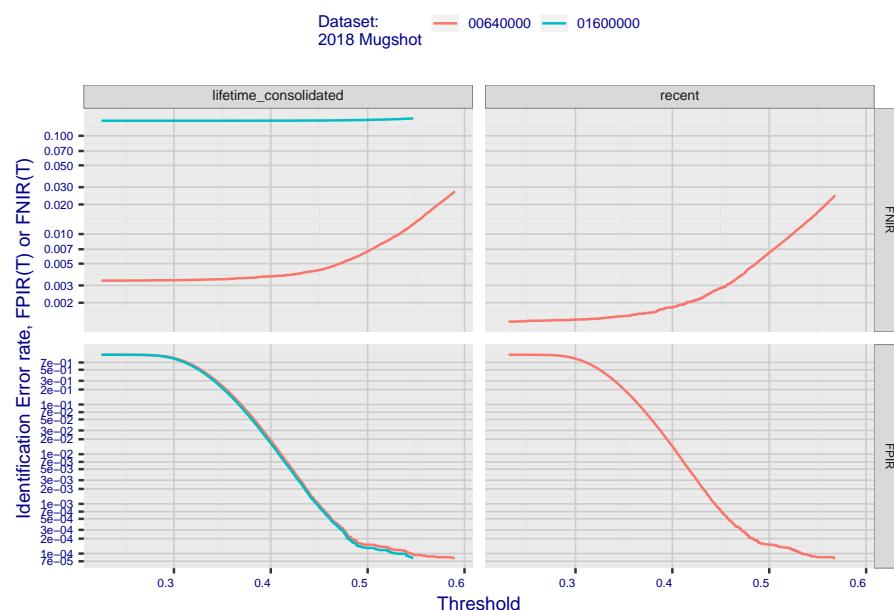


**Fig 4: DET for various N. Links connect points of equal threshold.**

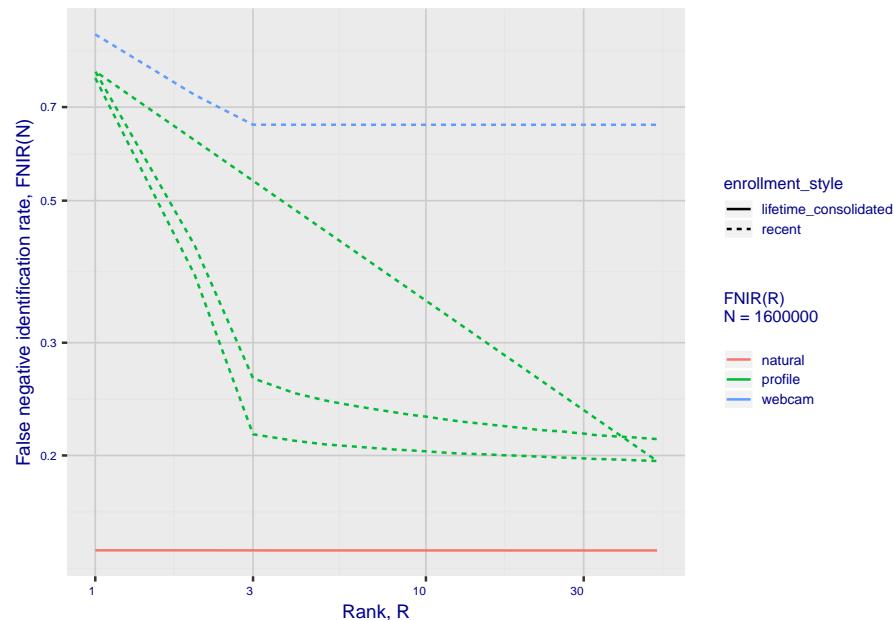


## 2. Report for algorithm deepglint\_001 2020-03-20 13:16:19

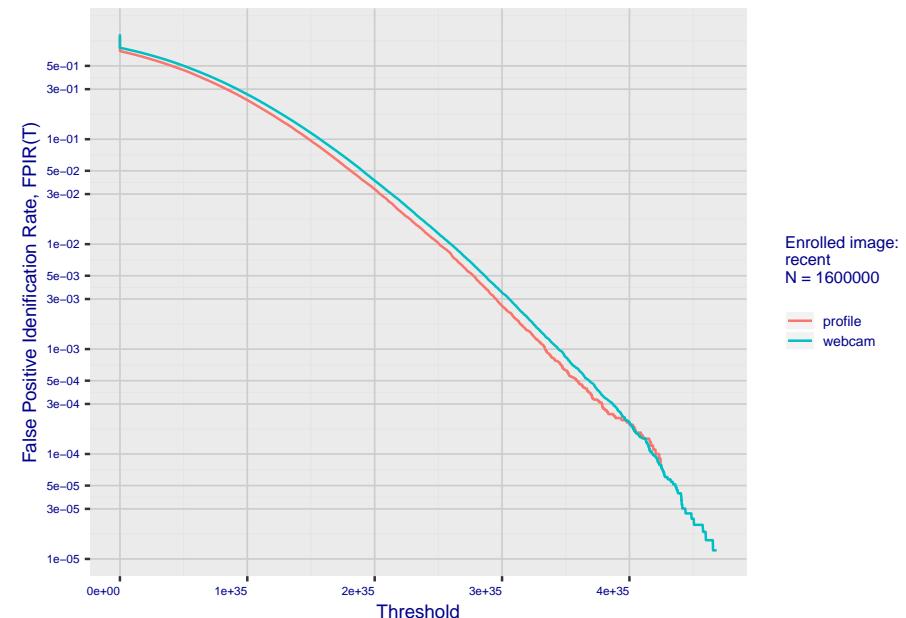
**Fig 5: Dependence on T by number enrolled identities**



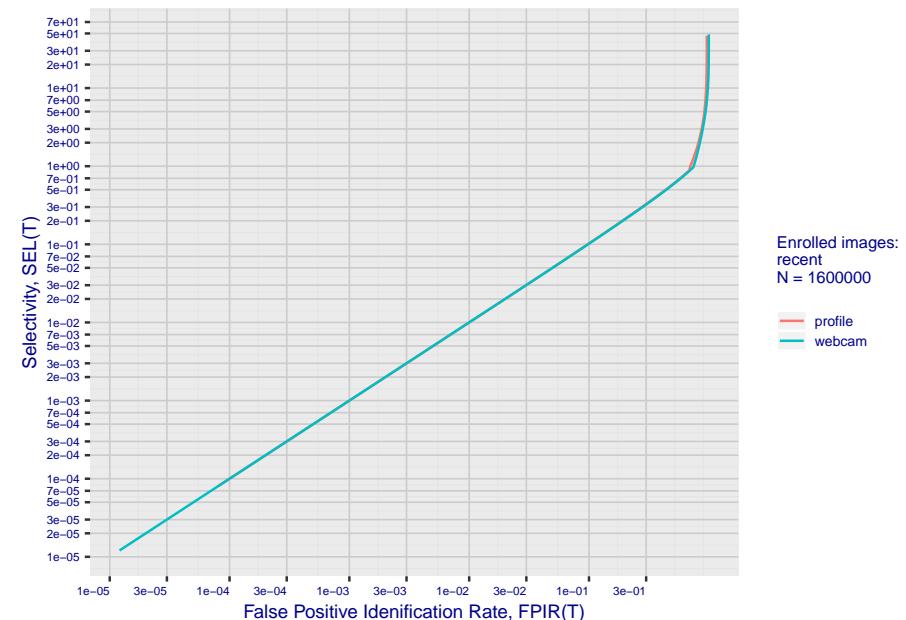
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm deepglint\_001 2020-03-20 13:16:19

Fig 10: Template duration; search duration vs. N

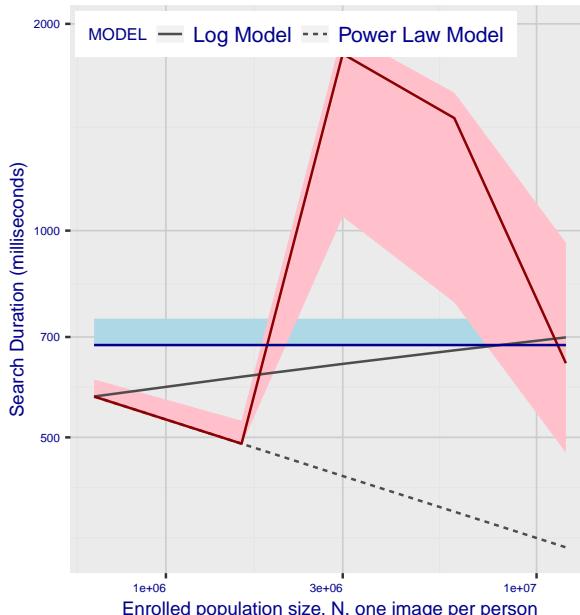
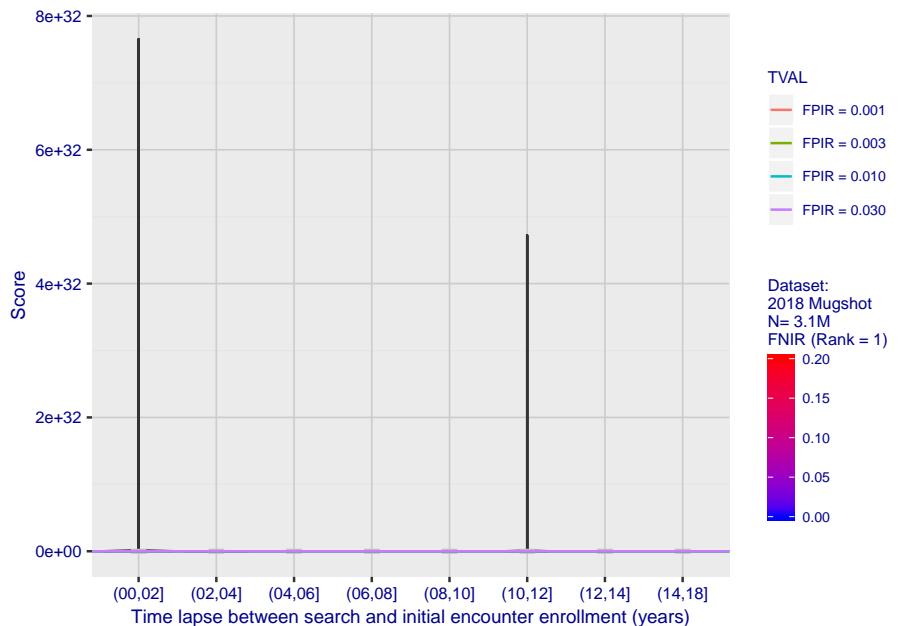


Fig 11: Datasheet

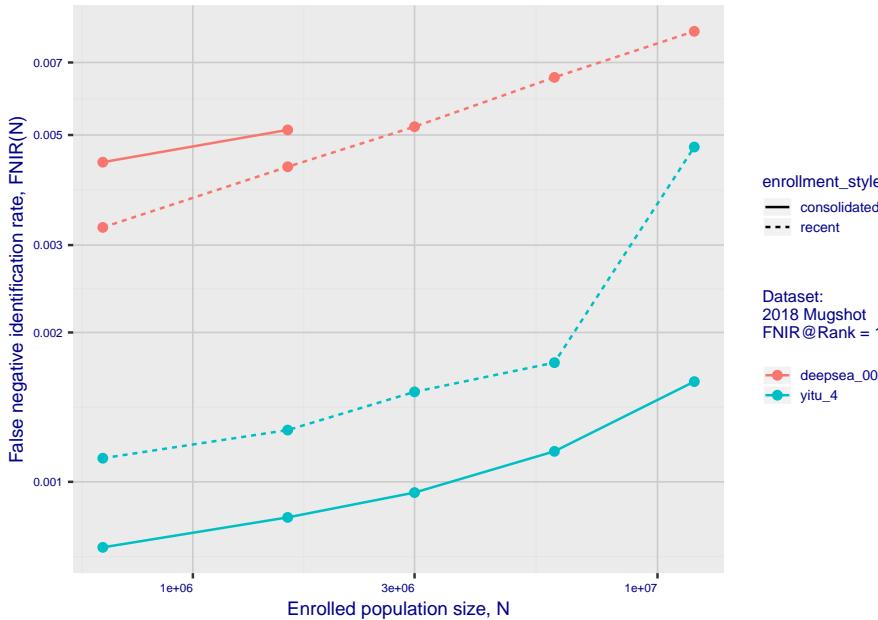
Algorithm: deepglint\_001  
Developer: Deepglint  
Submission Date: 2019\_11\_15  
Template size: 4096 bytes  
Template time (2.5 percentile): 679 msec  
Template time (median): 681 msec  
Template time (97.5 percentile): 744 msec  
Investigation rank 240 -- FNIR not computed  
Investigation rank 240 -- FNIR not computed

Fig 12: Decline of genuine scores with ageing

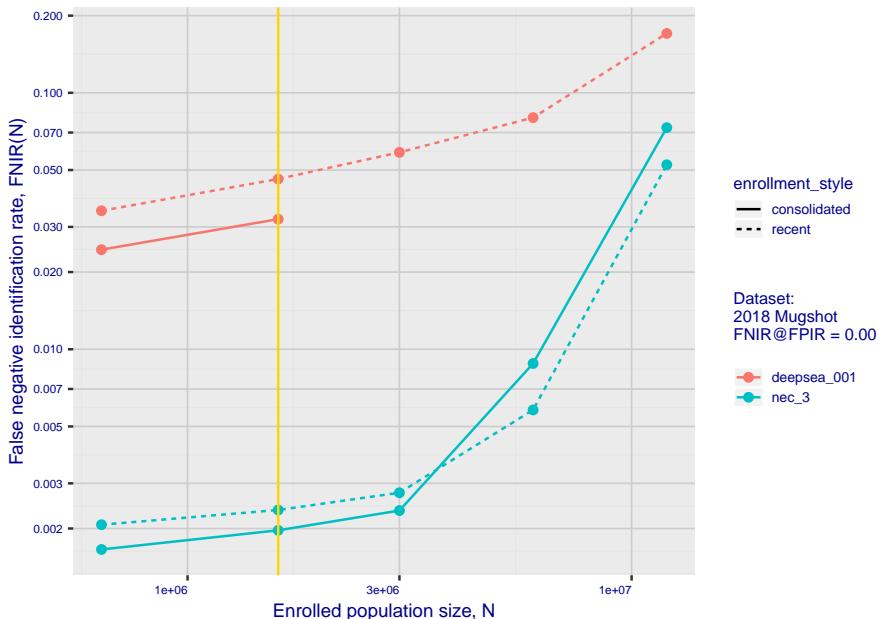


# 1. Report for algorithm deepsea\_001 2020-03-20 13:12:45

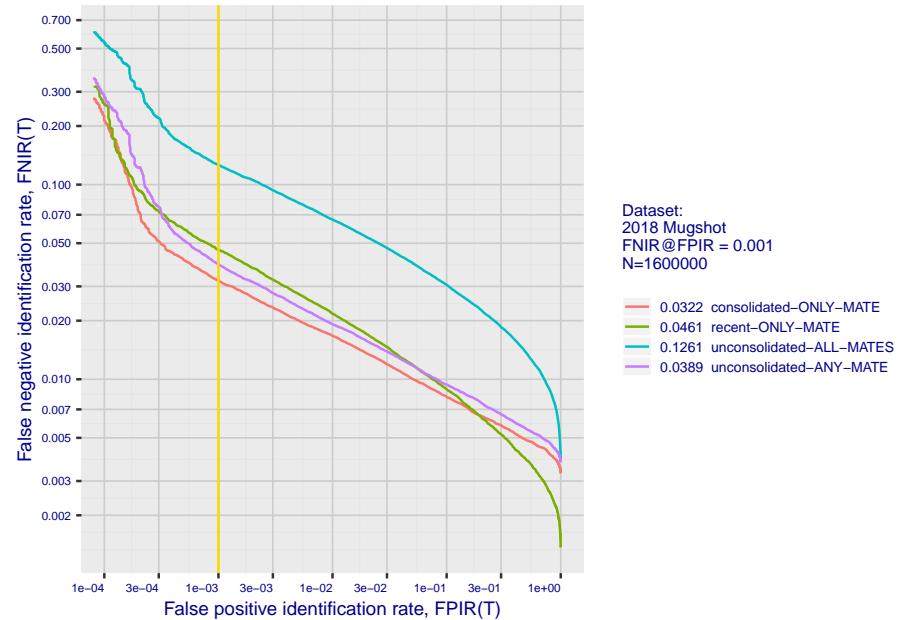
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



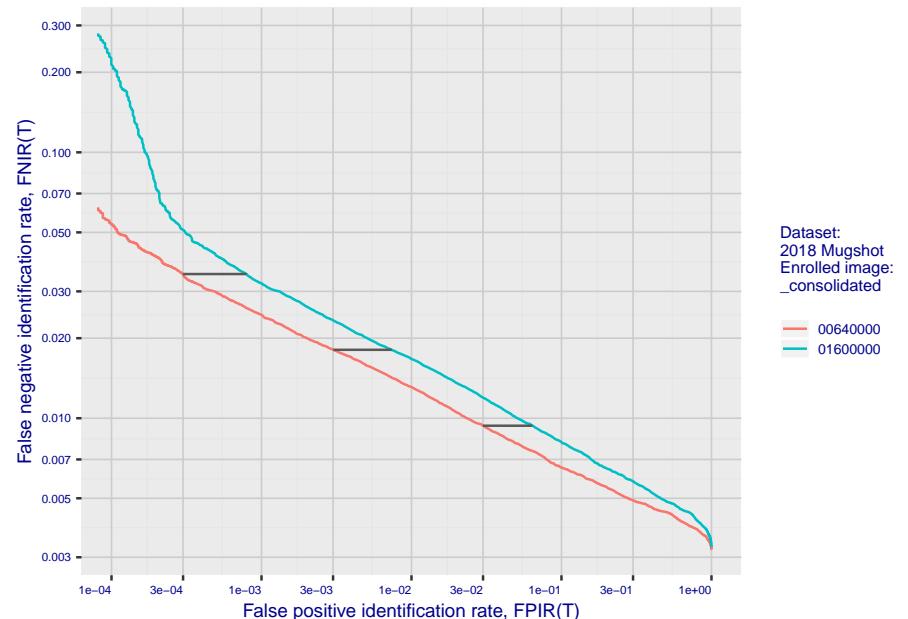
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

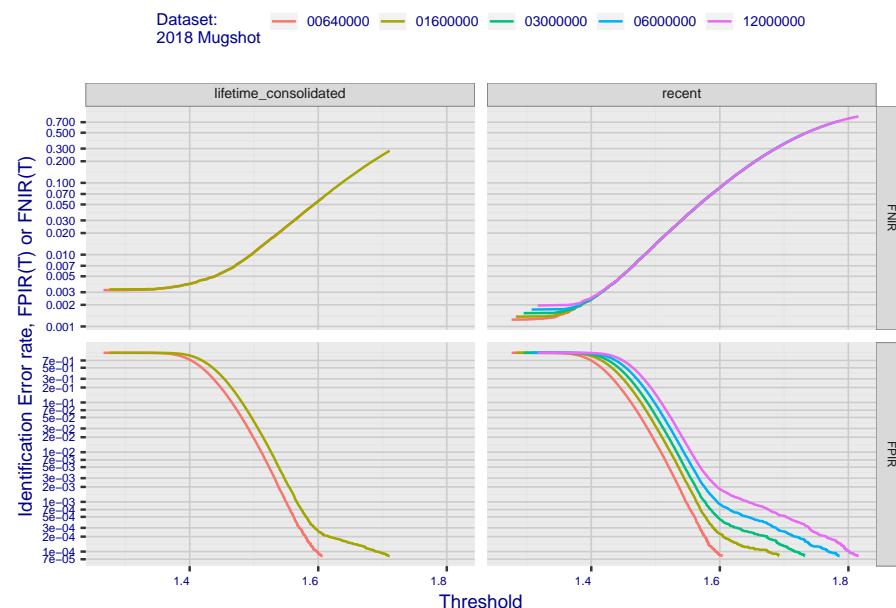


**Fig 4: DET for various N. Links connect points of equal threshold.**

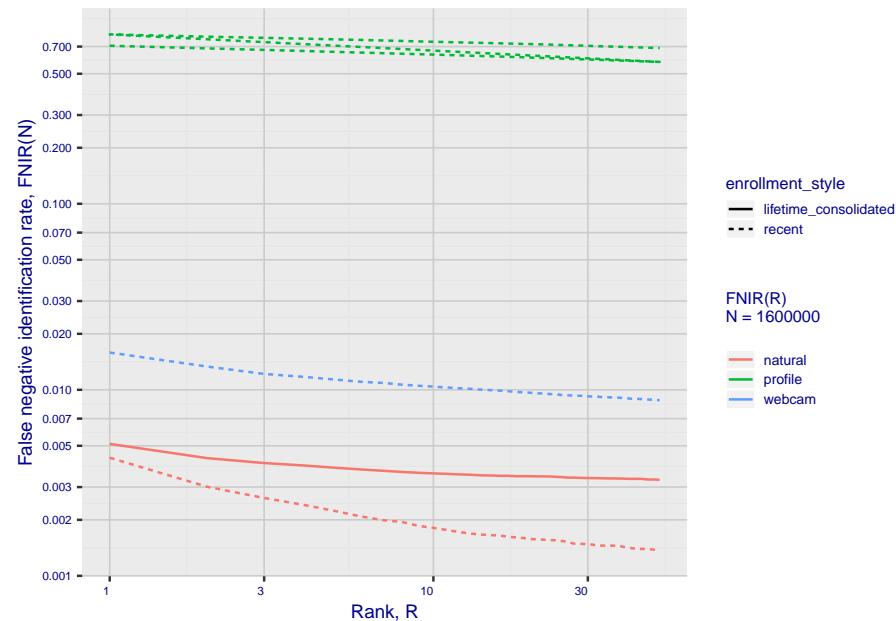


## 2. Report for algorithm deepsea\_001 2020-03-20 13:12:45

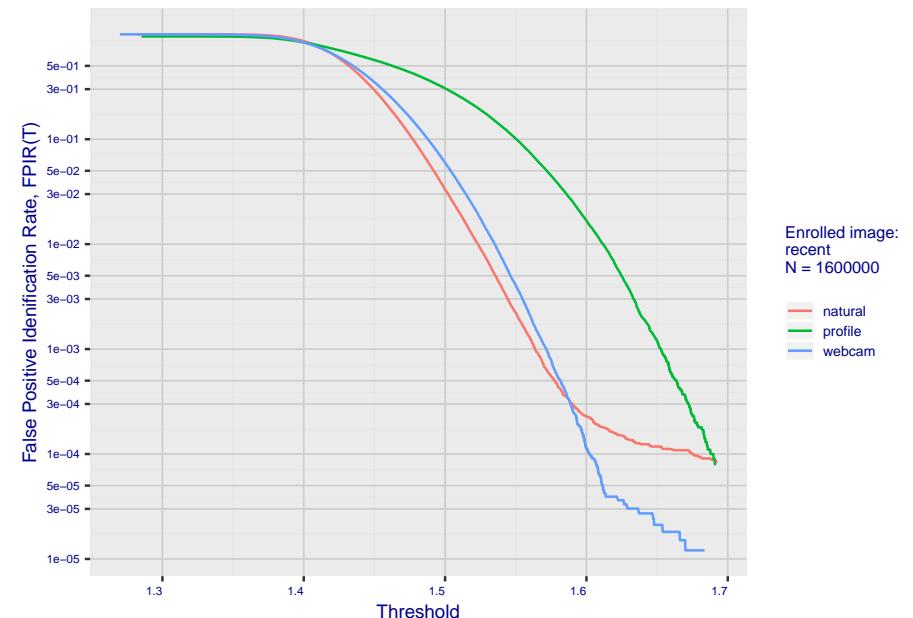
**Fig 5: Dependence on T by number enrolled identities**



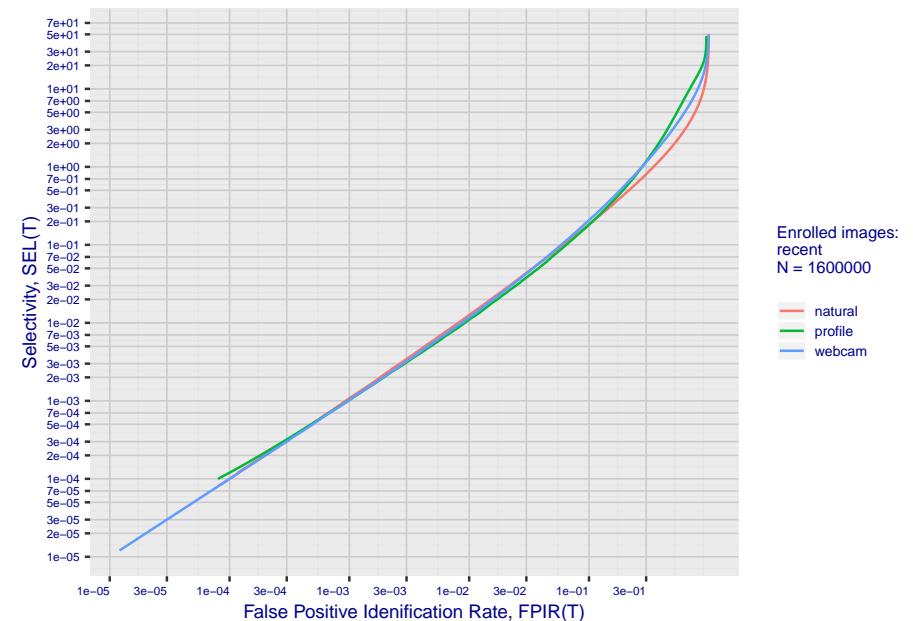
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm deepsea\_001 2020-03-20 13:12:45

Fig 10: Template duration; search duration vs. N

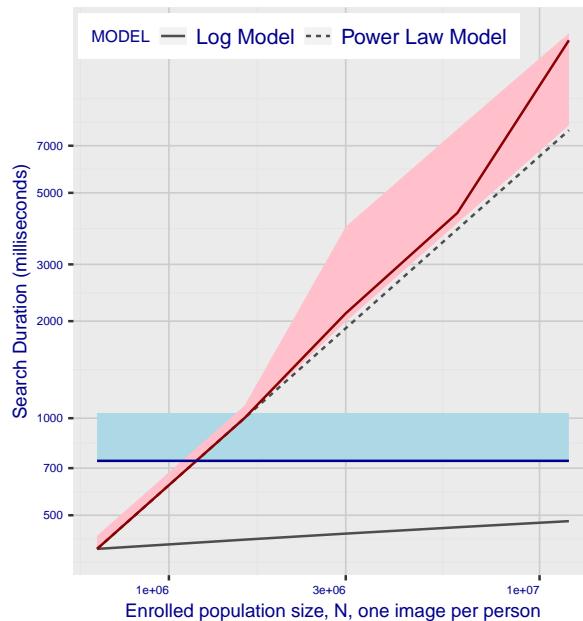
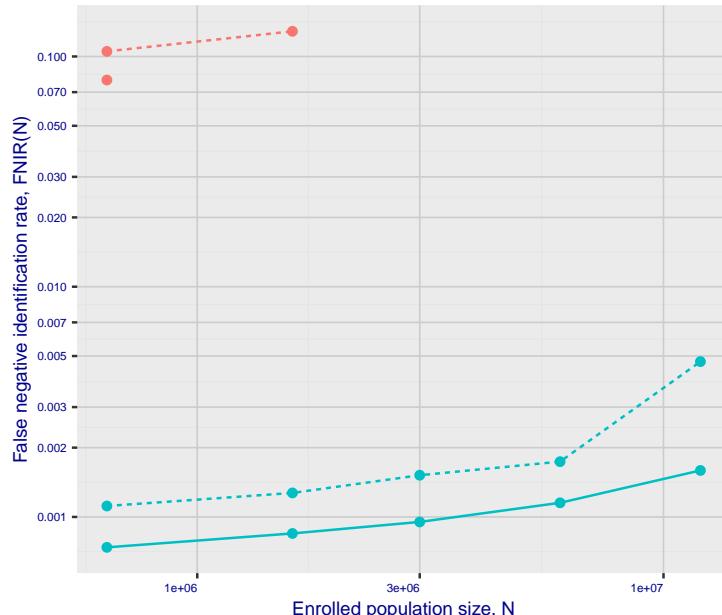


Fig 11: Datasheet

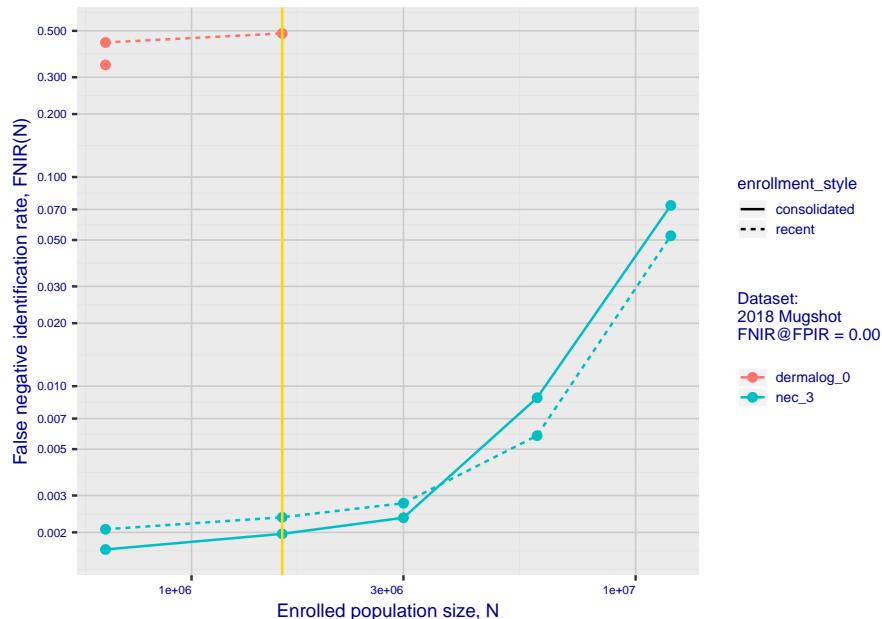
Algorithm: deepsea_001
Developer: Tencent Deepsea Lab
Submission Date: 2019_07_29
Template size: 2048 bytes
Template time (2.5 percentile): 731 msec
Template time (median): 738 msec
Template time (97.5 percentile): 1038 msec
Investigation rank 49 -- FNIR(1600000, 0, 1) = 0.0043 vs. lowest 0.0010 from sensetime_001
Identification rank 50 -- FNIR(1600000, T, L+1) = 0.0461
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm dermalog\_0 2020-03-20 13:14:59

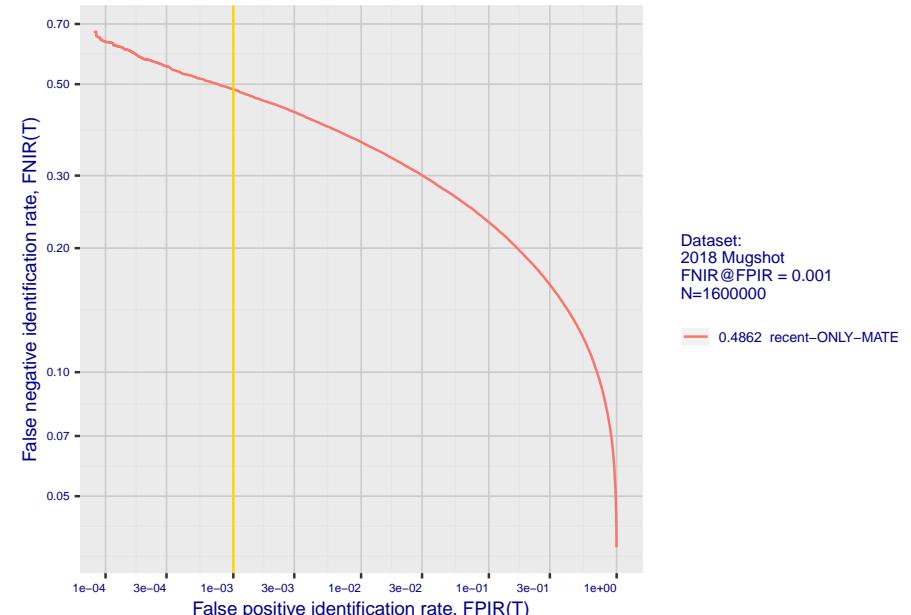
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



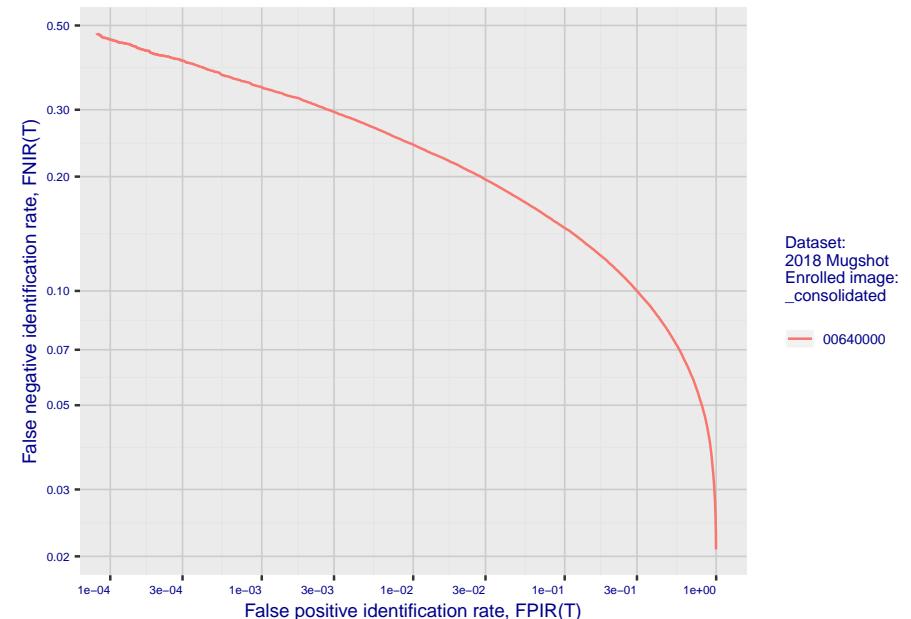
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

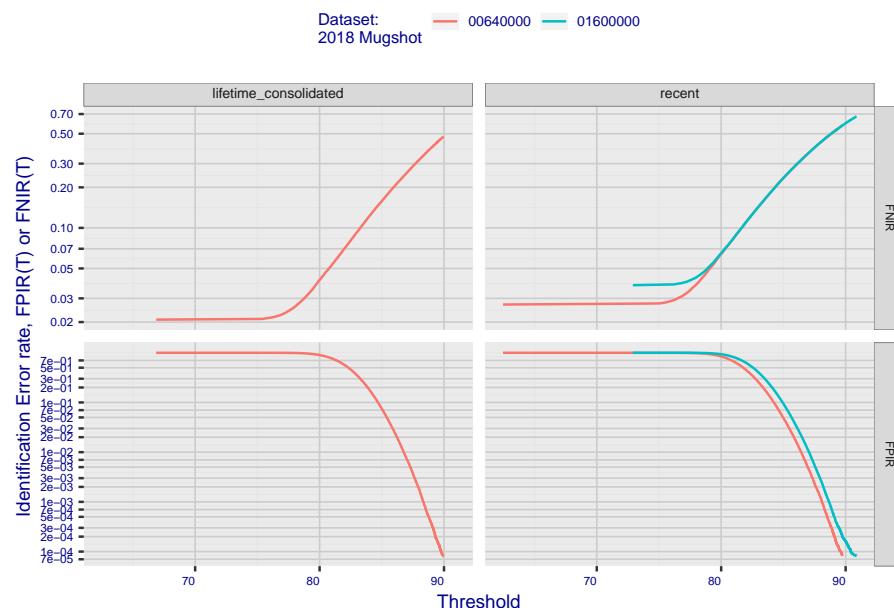


**Fig 4: DET for various N. Links connect points of equal threshold.**

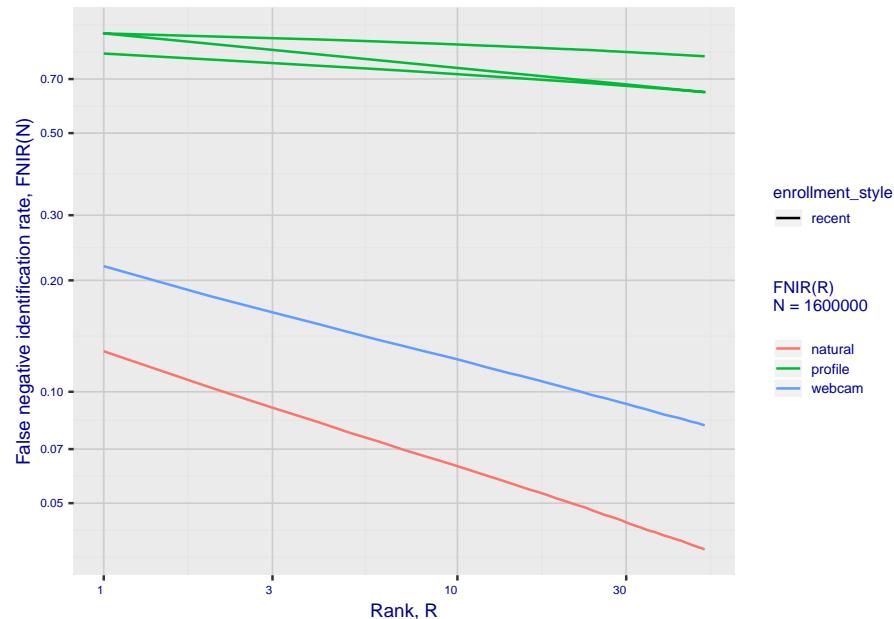


## 2. Report for algorithm dermalog\_0 2020-03-20 13:14:59

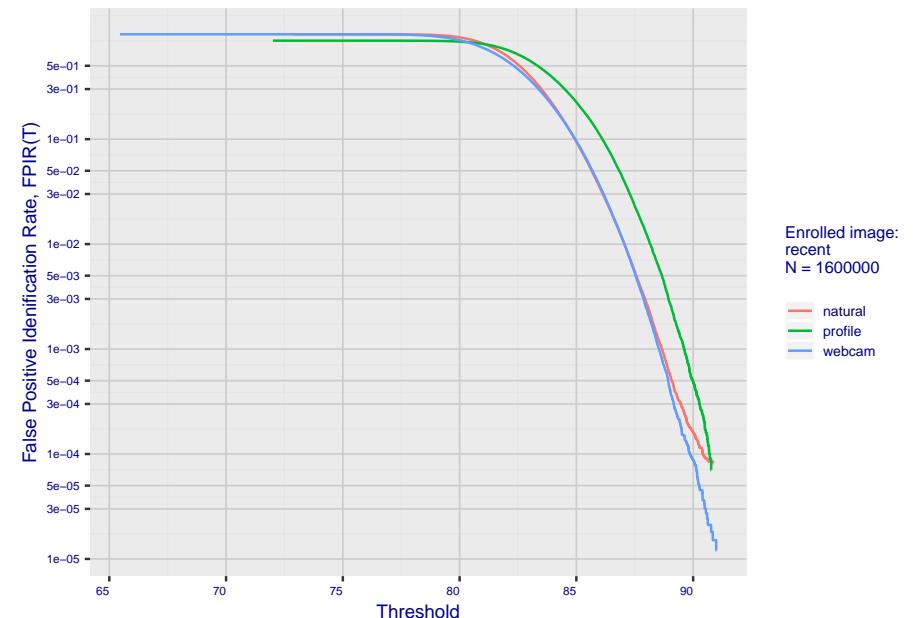
**Fig 5: Dependence on T by number enrolled identities**



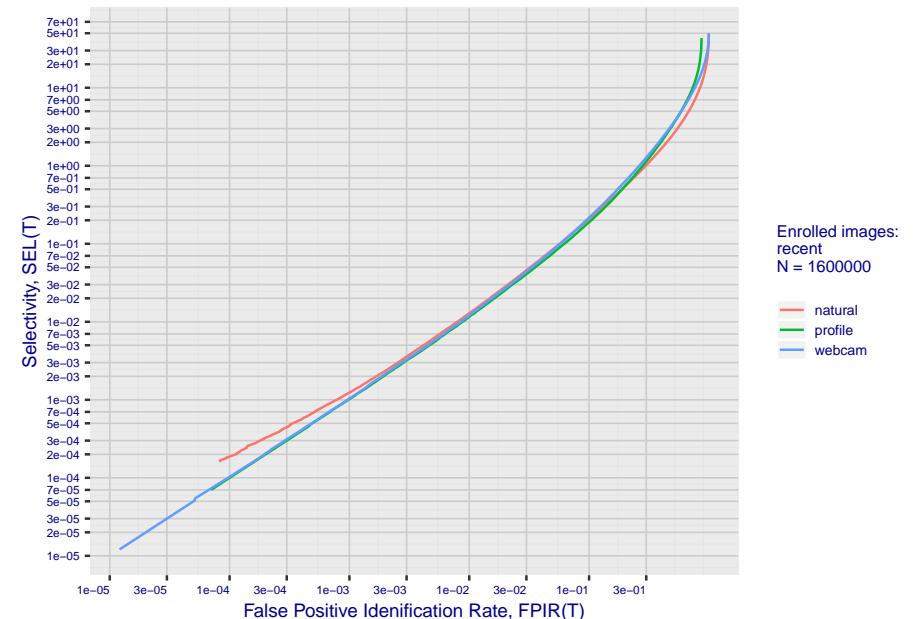
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm dermalog\_0 2020-03-20 13:14:59

Fig 10: Template duration; search duration vs. N

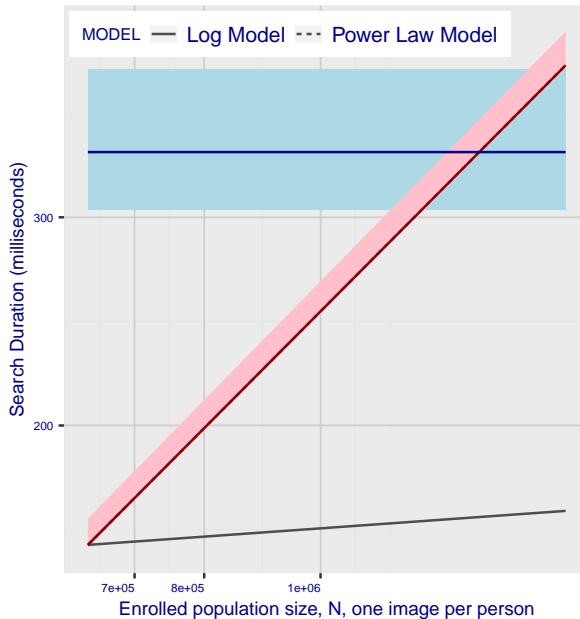
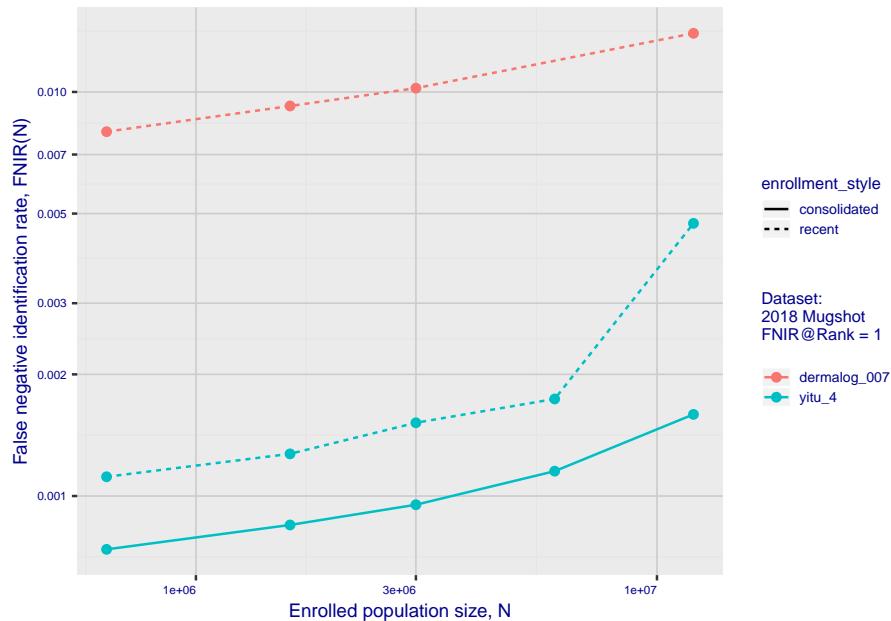


Fig 11: Datasheet

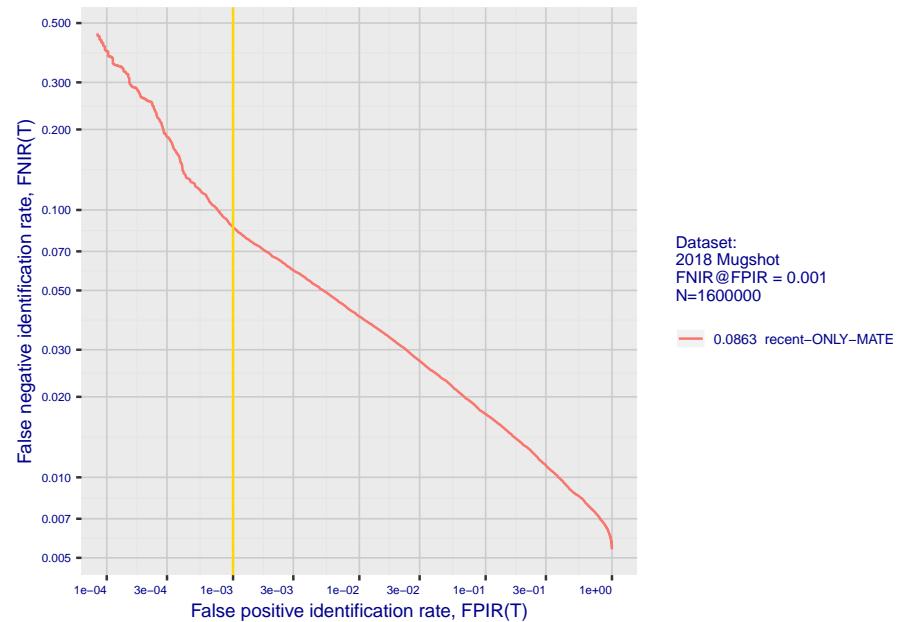
Algorithm:	dermalog_0
Developer:	Dermalog
Submission Date:	2018_02_16
Template size:	128 bytes
Template time (2.5 percentile):	304 msec
Template time (median):	341 msec
Template time (97.5 percentile):	400 msec
Investigation rank 196 -- FNIR(1600000, 0, 1) = 0.1286 vs. lowest 0.0010 from sensetime_003	
Identification rank 190 -- FNIR(1600000, T, L+1) = 0.4862	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm dermalog\_007 2020-03-20 13:14:46

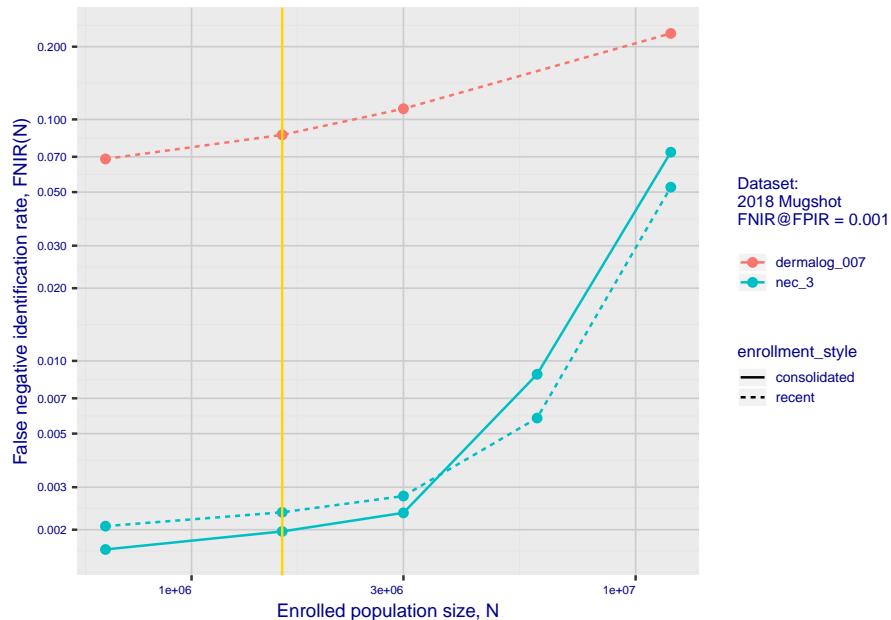
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



**Fig 2: DETs by enrollment type**

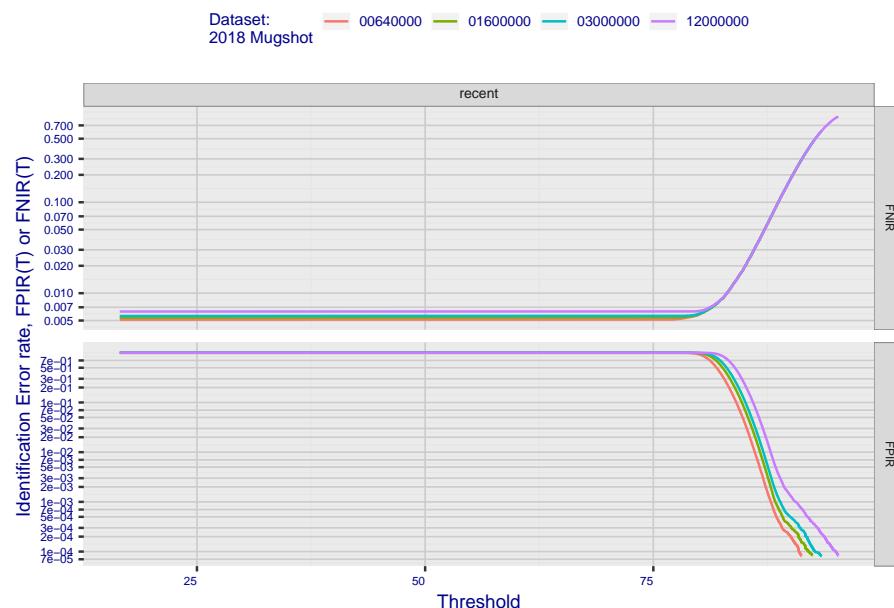


**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

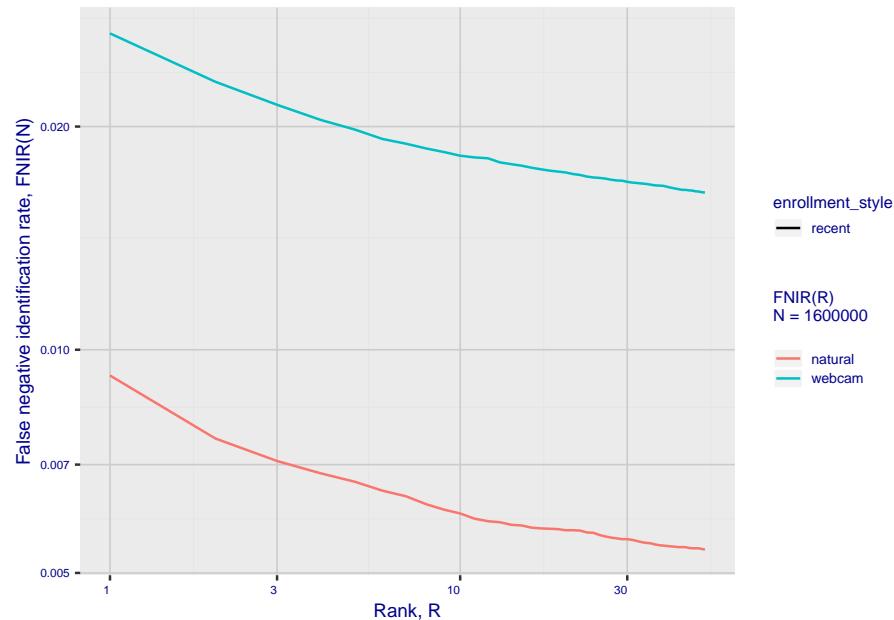


## 2. Report for algorithm dermalog\_007 2020-03-20 13:14:46

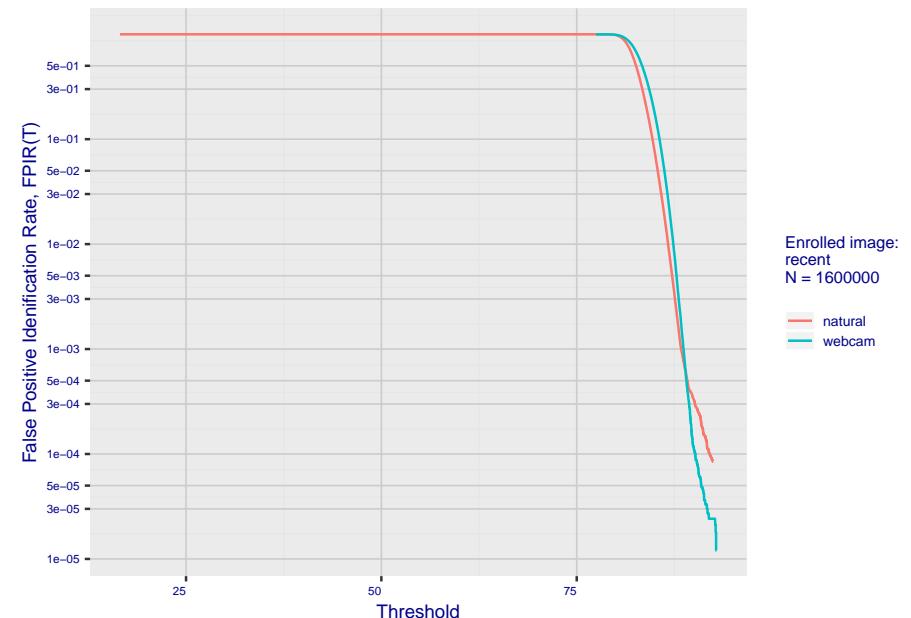
**Fig 5: Dependence on T by number enrolled identities**



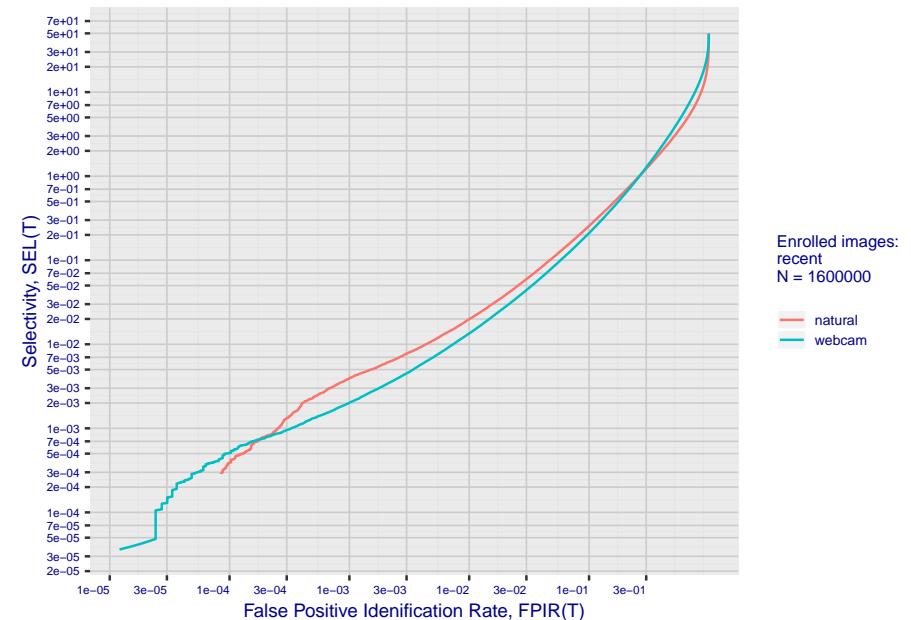
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

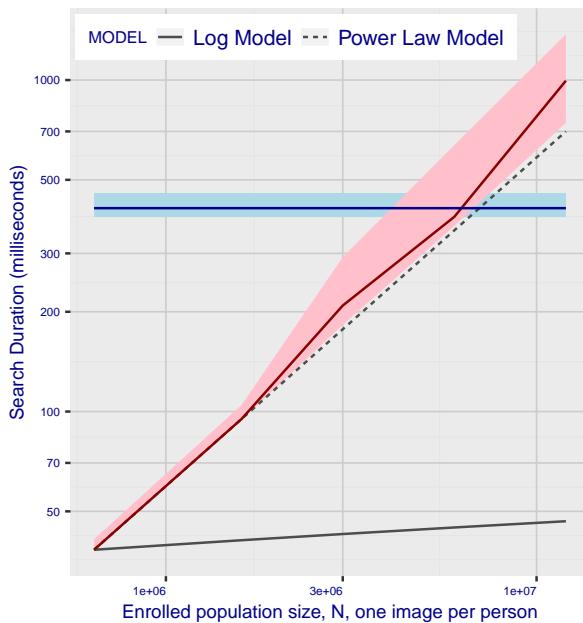


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm dermalog\_007 2020-03-20 13:14:46

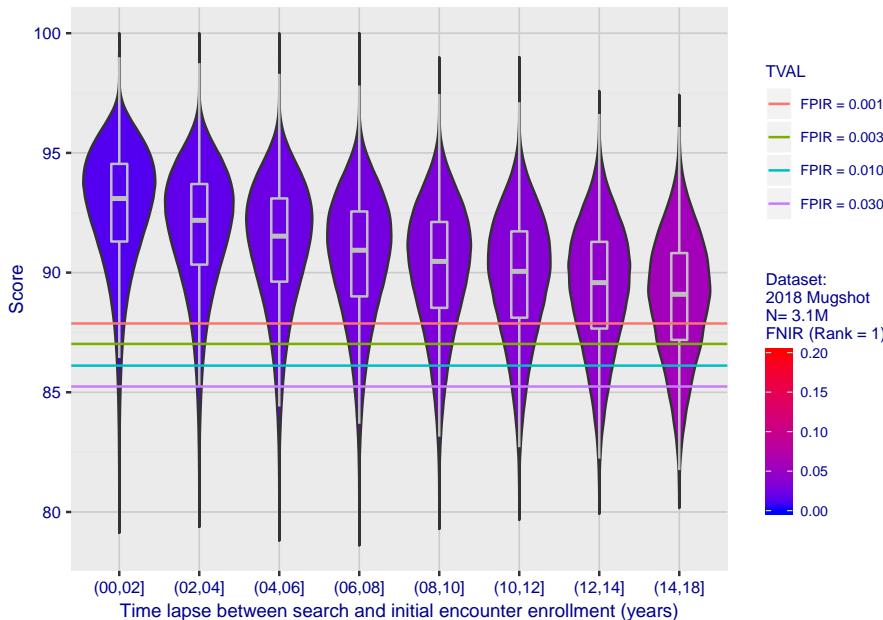
**Fig 10: Template duration; search duration vs. N**



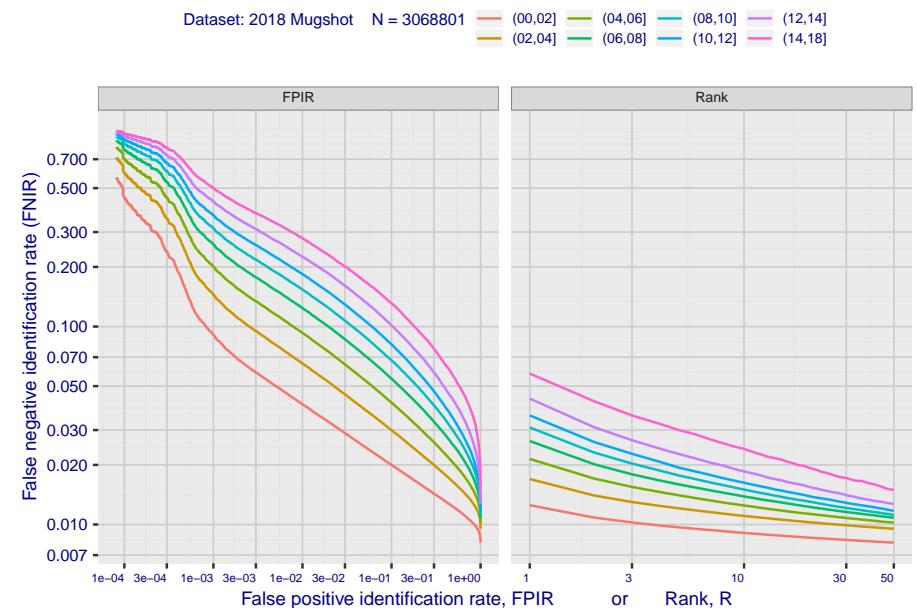
**Fig 11: Datasheet**

Algorithm: dermalog_007
Developer: Dermalog
Submission Date: 2020_02_12
Template size: 128 bytes
Template time (2.5 percentile): 386 msec
Template time (median): 411 msec
Template time (97.5 percentile): 456 msec
Investigation rank 94 -- FNIR(1600000, 0, 1) = 0.0092 vs. lowest 0.0010 from sensetime_003
Identification rank 95 -- FNIR(1600000, T, L+1) = 0.0863
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

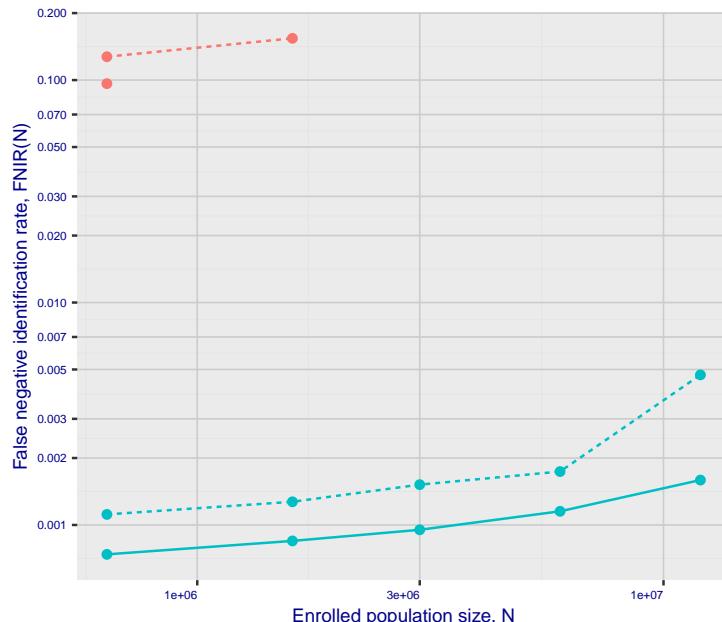


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

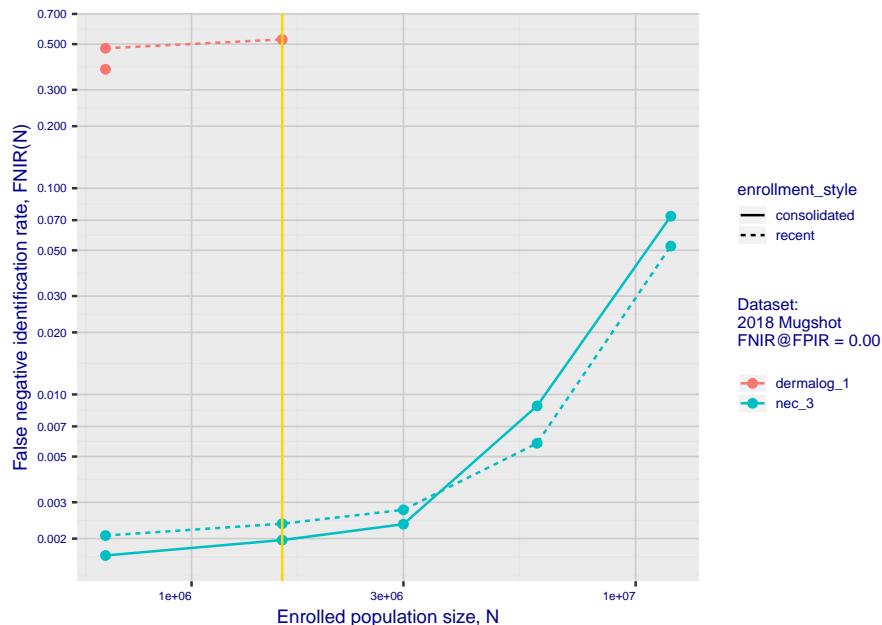


# 1. Report for algorithm dermalog\_1 2020-03-20 13:12:44

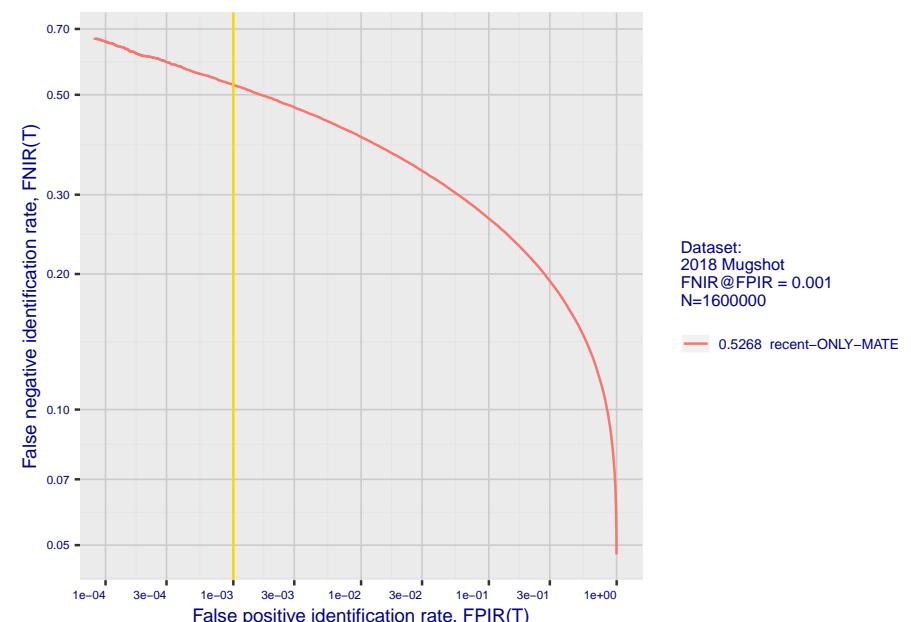
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



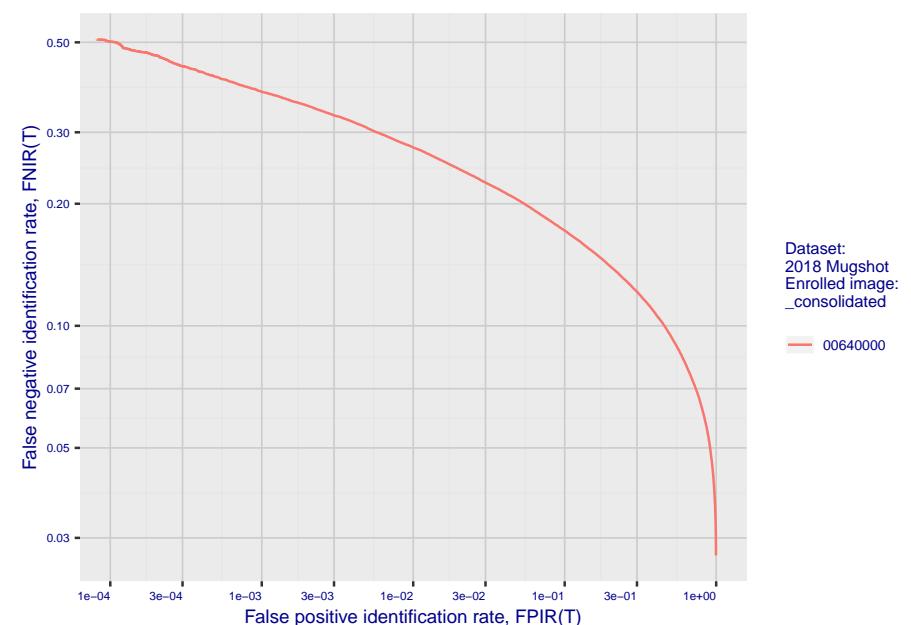
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

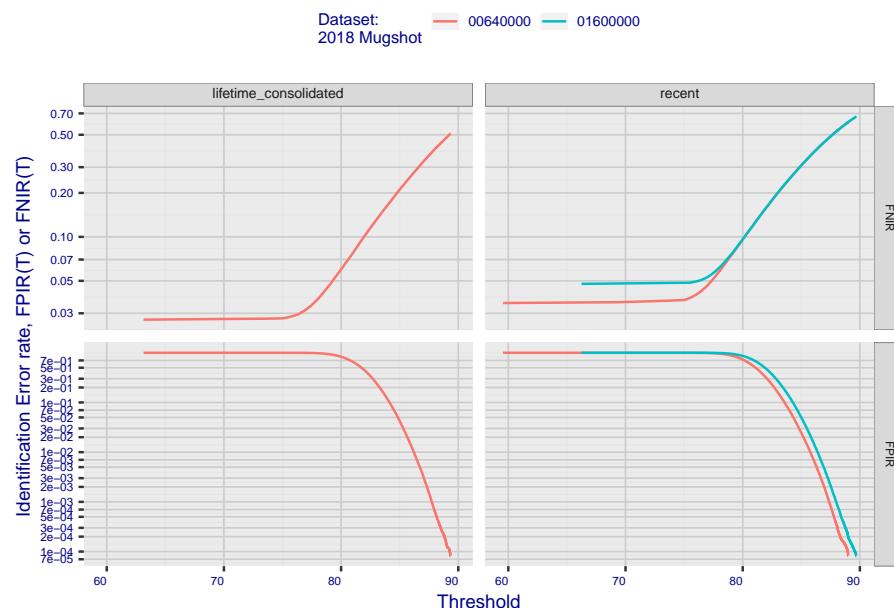


**Fig 4: DET for various N. Links connect points of equal threshold.**

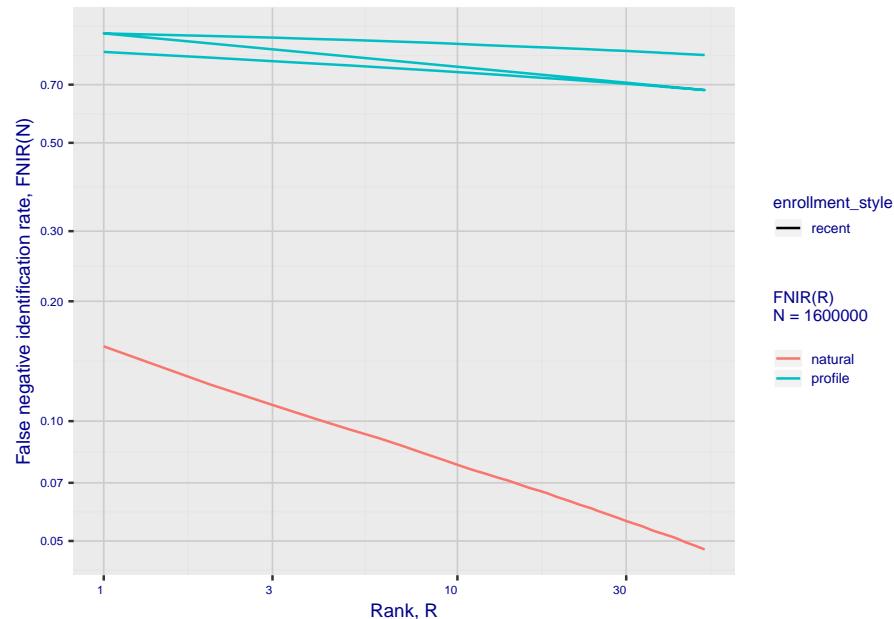


## 2. Report for algorithm dermalog\_1 2020-03-20 13:12:44

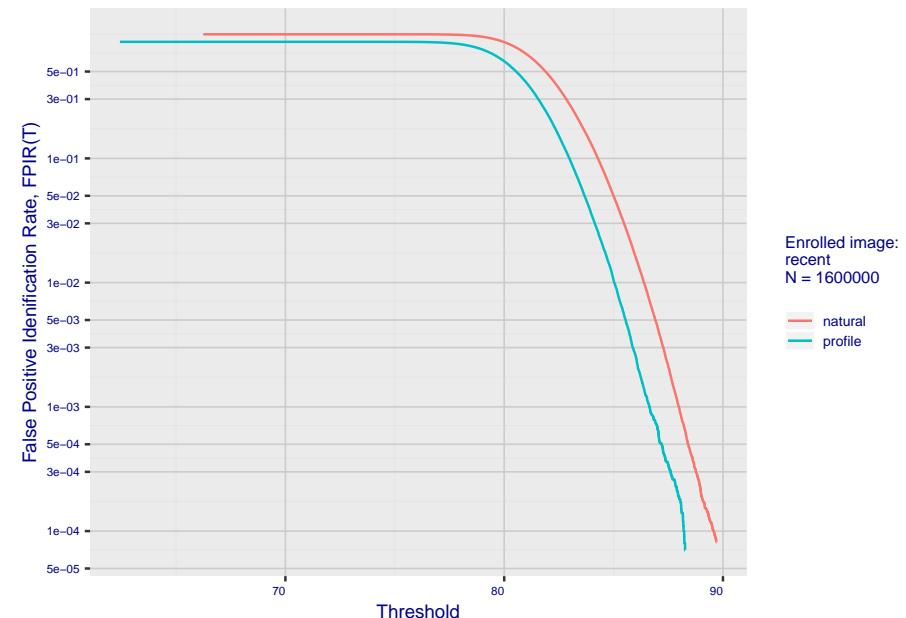
**Fig 5: Dependence on T by number enrolled identities**



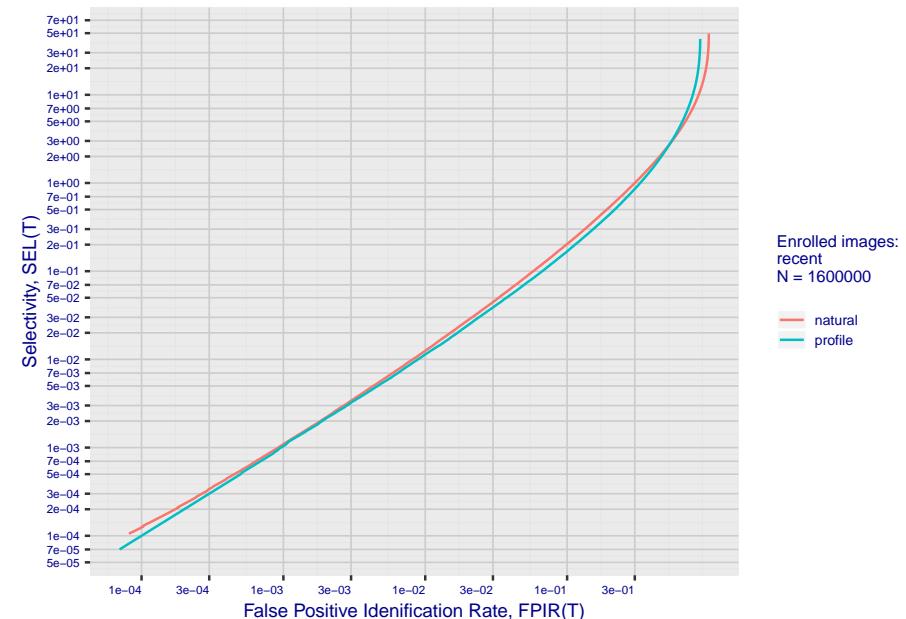
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm dermalog\_1 2020-03-20 13:12:44

Fig 10: Template duration; search duration vs. N

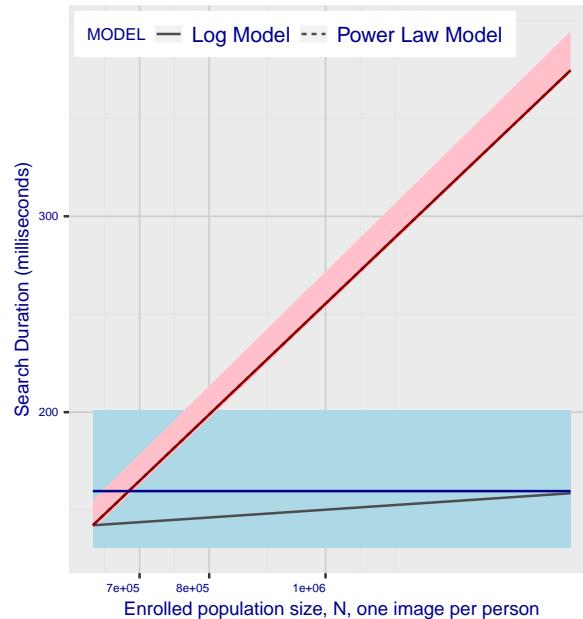
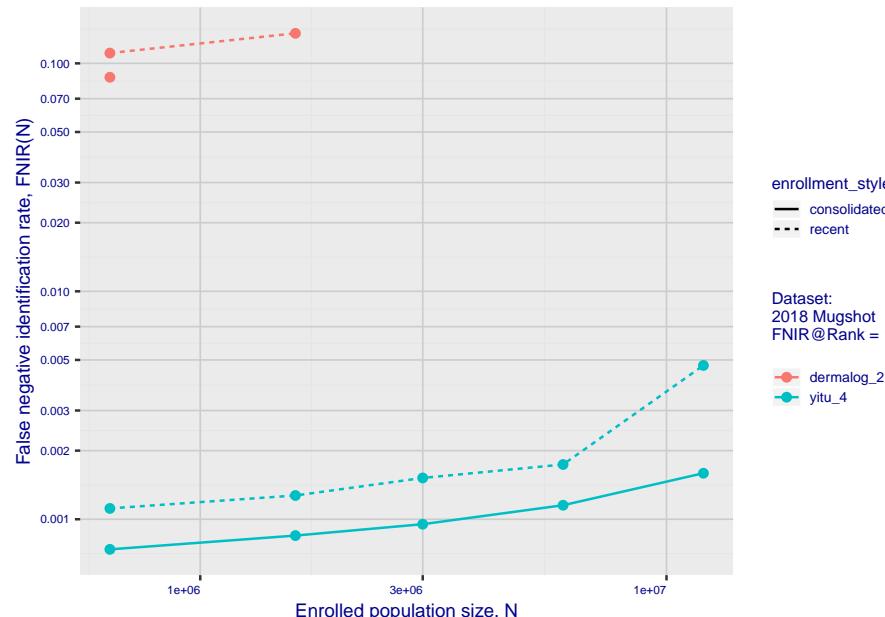


Fig 11: Datasheet

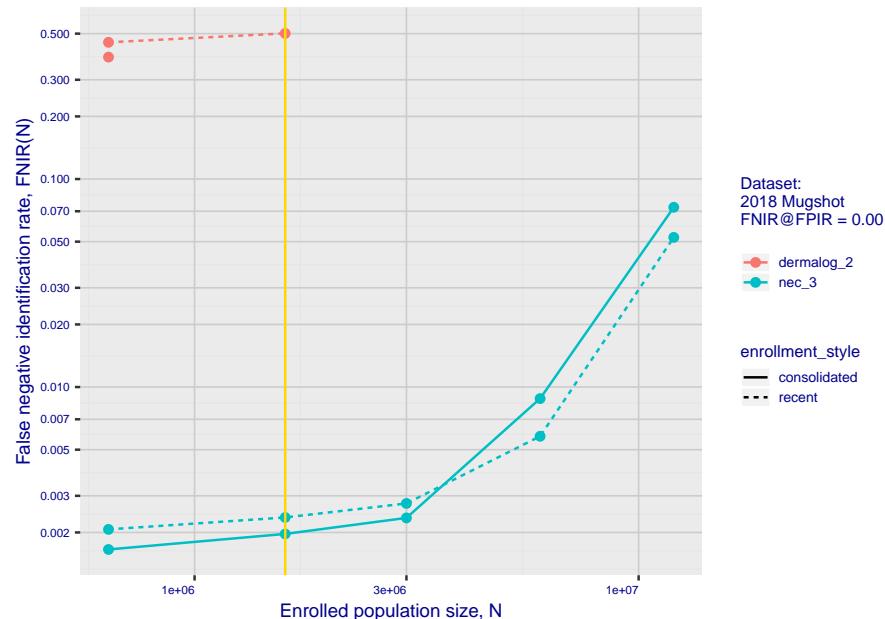
Algorithm: dermalog_1
Developer: Dermalog
Submission Date: 2018_02_16
Template size: 128 bytes
Template time (2.5 percentile): 151 msec
Template time (median): 170 msec
Template time (97.5 percentile): 201 msec
Investigation rank 199 -- FNIR(160000, 0, 1) = 0.1541 vs. lowest 0.0010 from sensetime_003
Identification rank 192 -- FNIR(160000, T, L+1) = 0.5268
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm dermalog\_2 2020-03-20 13:12:44

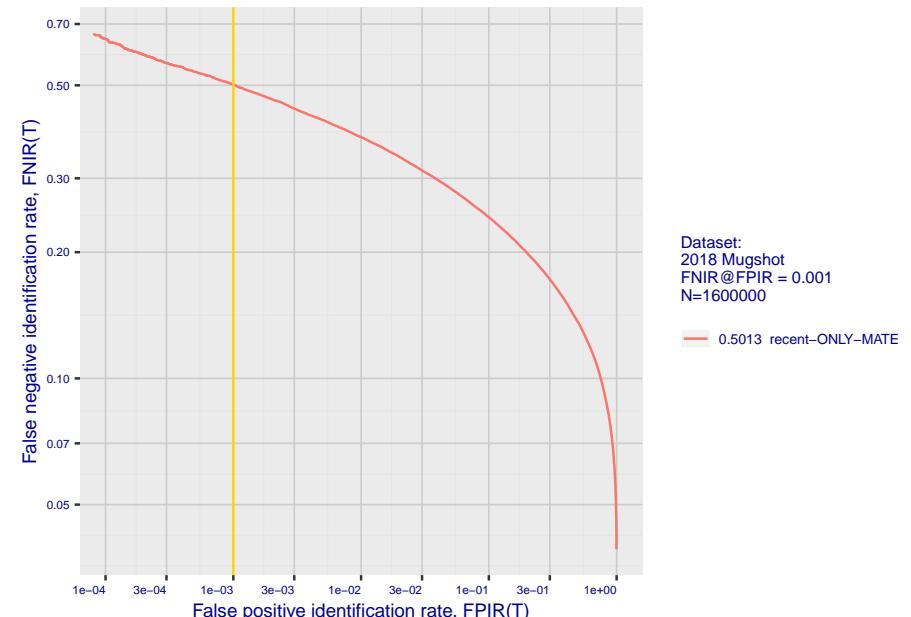
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



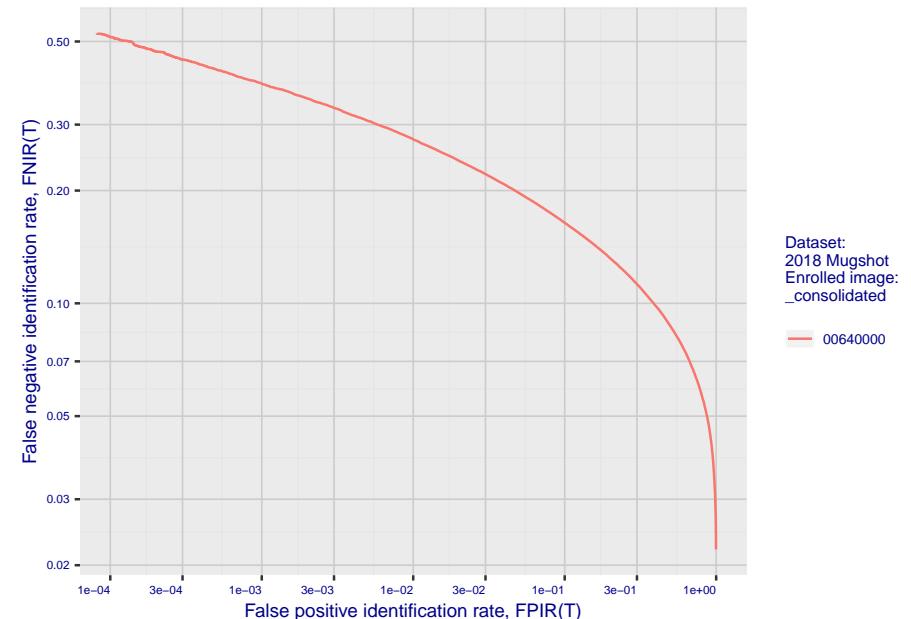
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

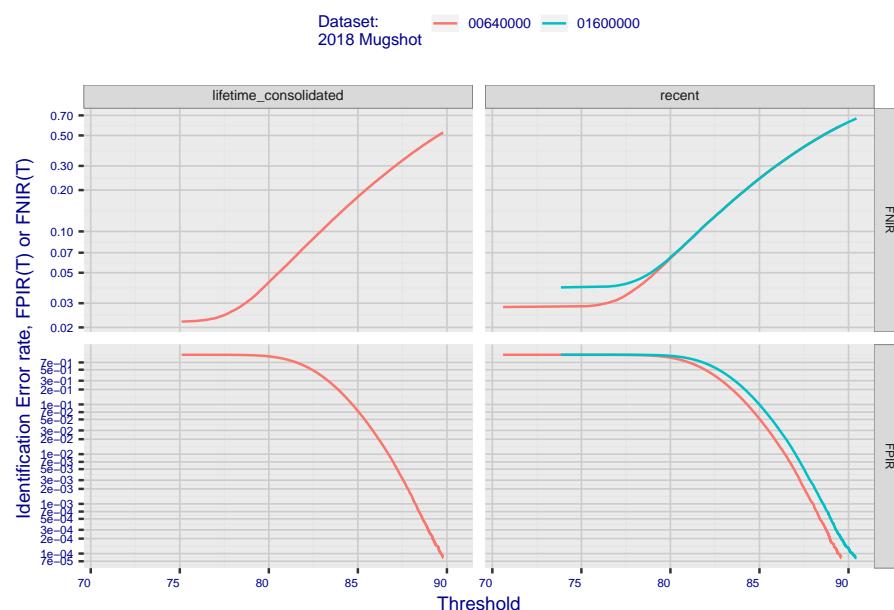


**Fig 4: DET for various N. Links connect points of equal threshold.**

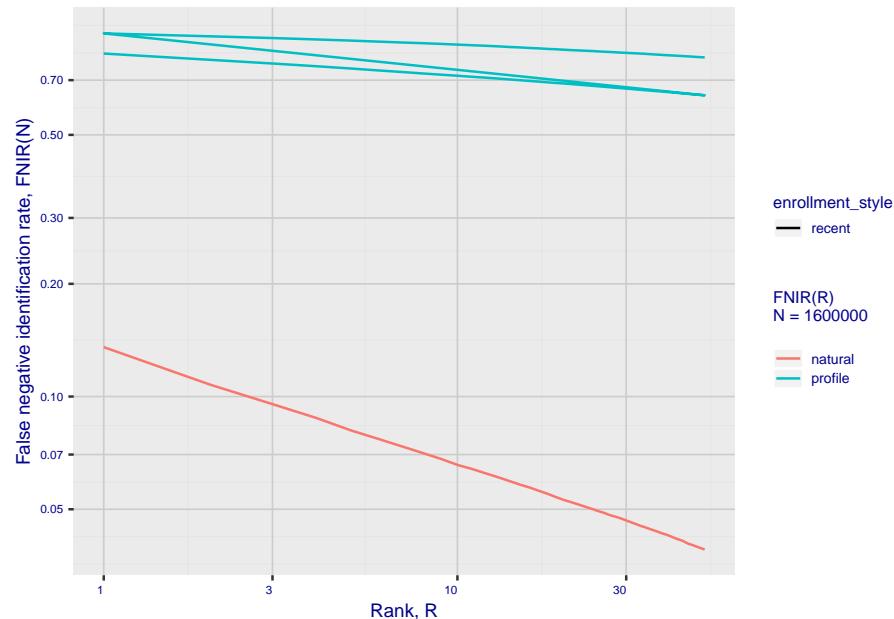


## 2. Report for algorithm dermalog\_2 2020-03-20 13:12:44

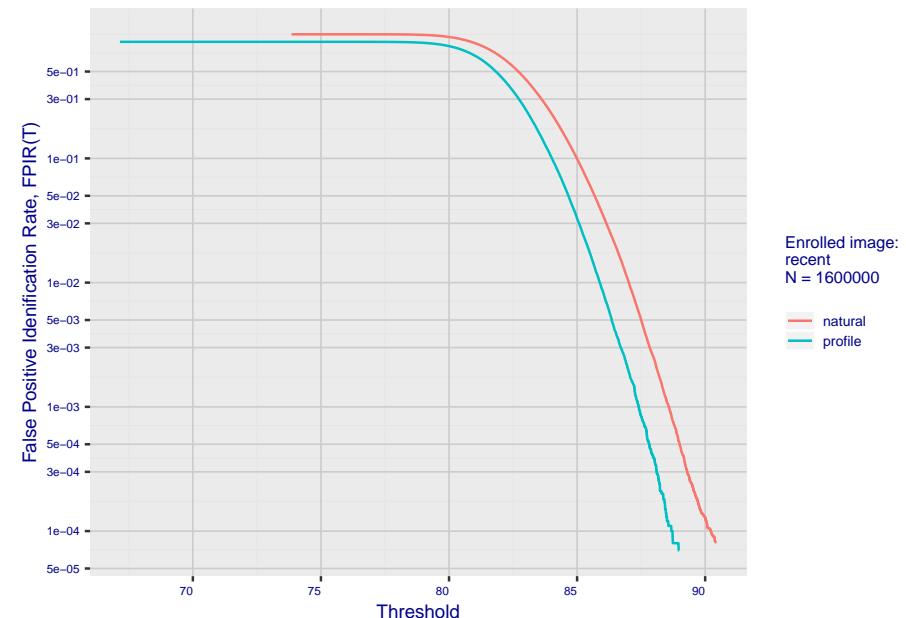
**Fig 5: Dependence on T by number enrolled identities**



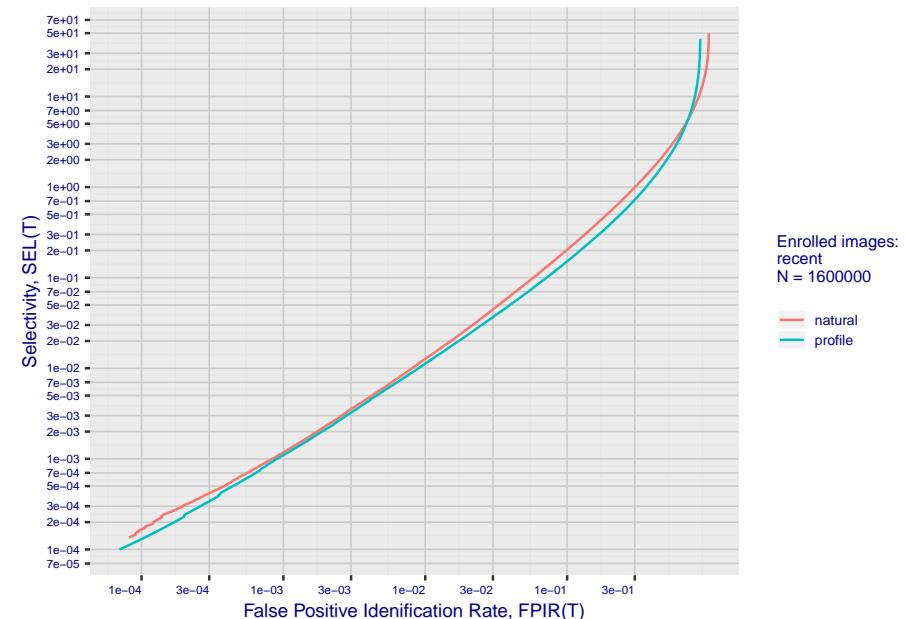
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

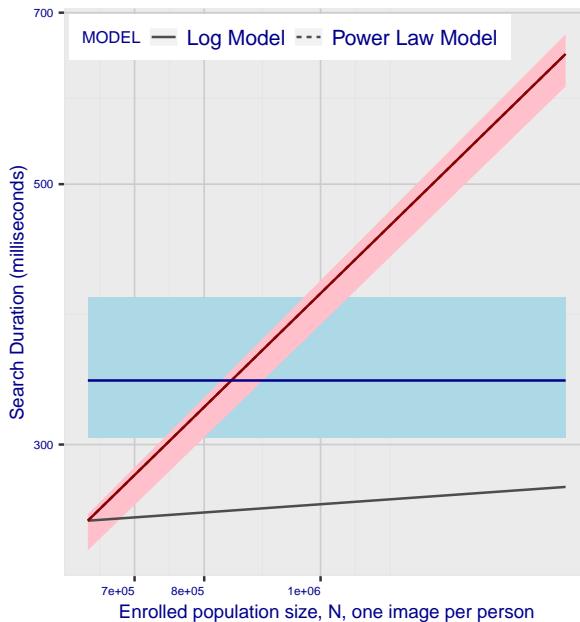


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm dermalog\_2 2020-03-20 13:12:44**

**Fig 10: Template duration; search duration vs. N**

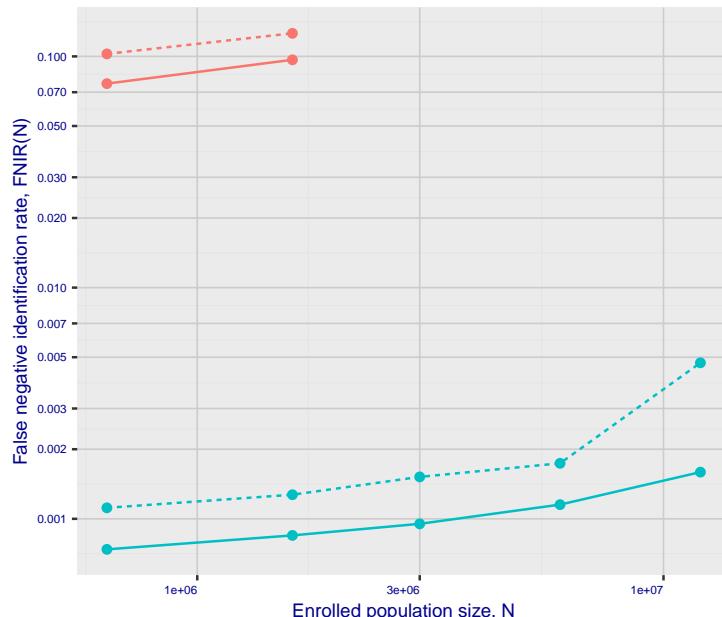


**Fig 11: Datasheet**

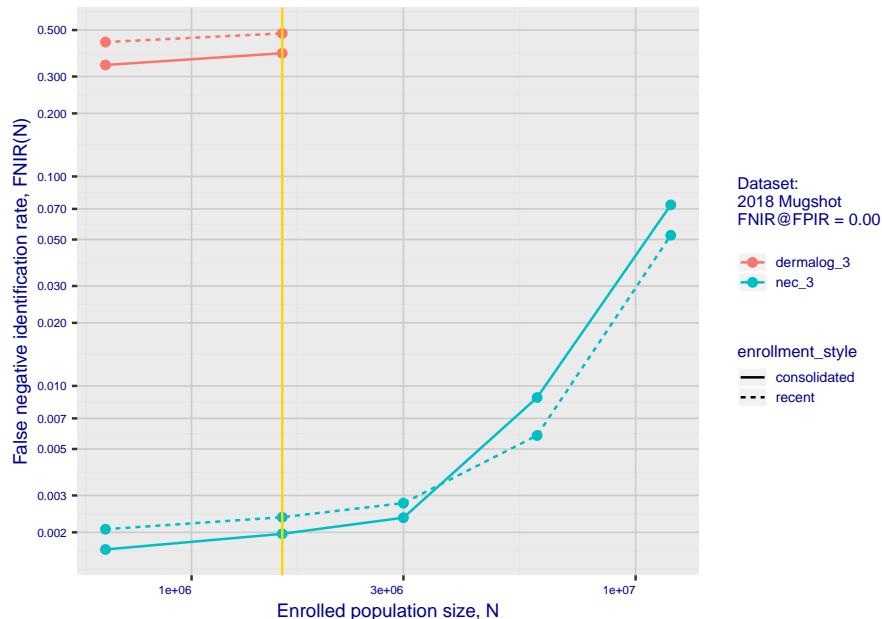
Algorithm: dermalog_2
Developer: Dermalog
Submission Date: 2018_02_16
Template size: 256 bytes
Template time (2.5 percentile): 304 msec
Template time (median): 340 msec
Template time (97.5 percentile): 401 msec
Investigation rank 197 -- FNIR(160000, 0, 1) = 0.1355 vs. lowest 0.0010 from sensetime_003
Identification rank 191 -- FNIR(160000, T, L+1) = 0.5013
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

## 1. Report for algorithm dermalog\_3 2020-03-20 13:16:27

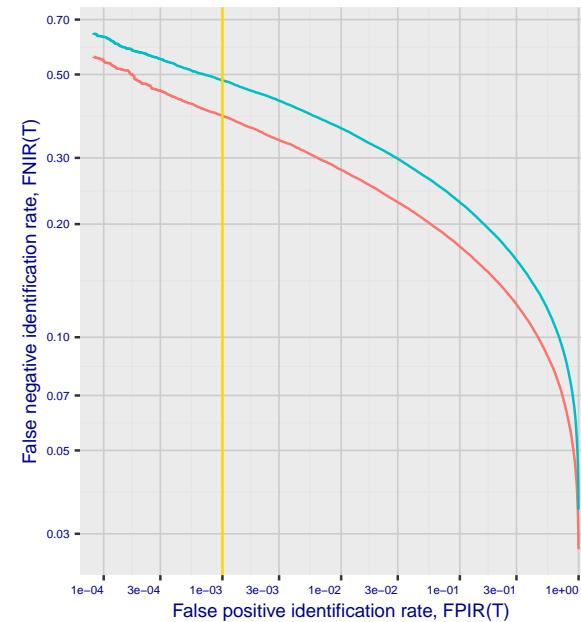
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



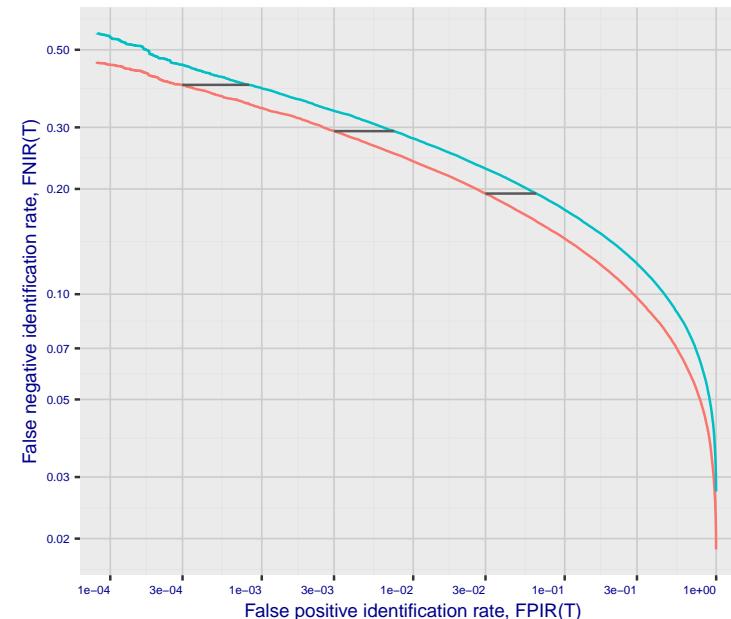
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

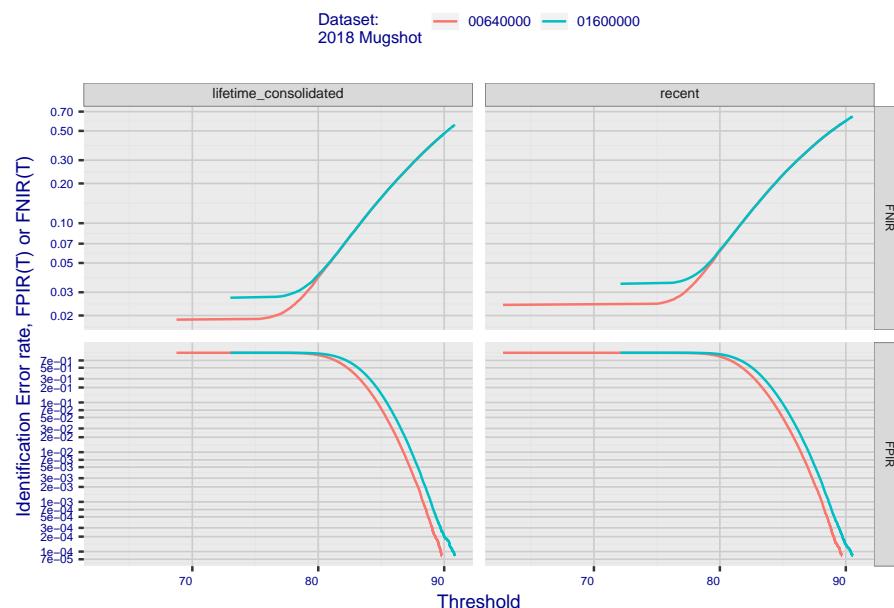


**Fig 4: DET for various N. Links connect points of equal threshold.**

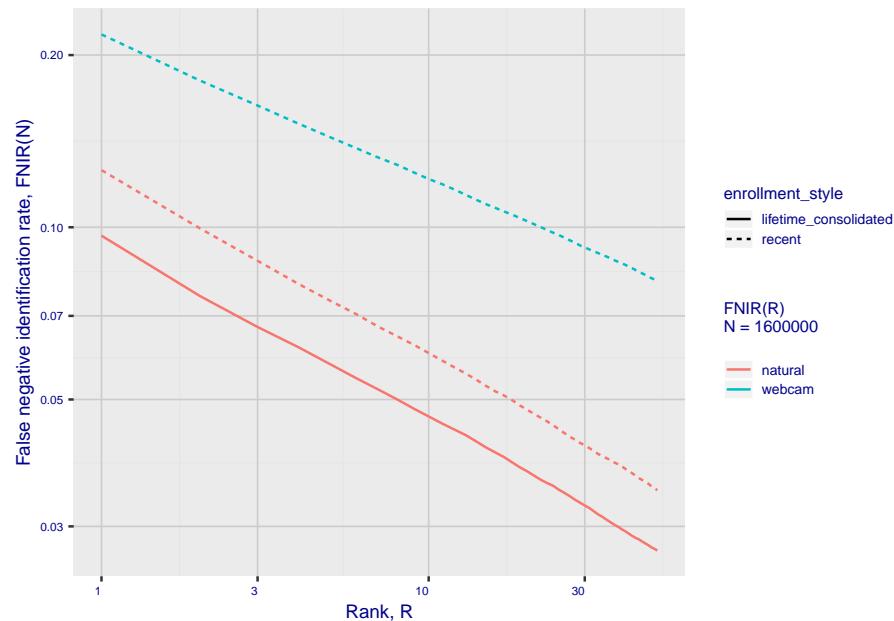


## 2. Report for algorithm dermalog\_3 2020-03-20 13:16:27

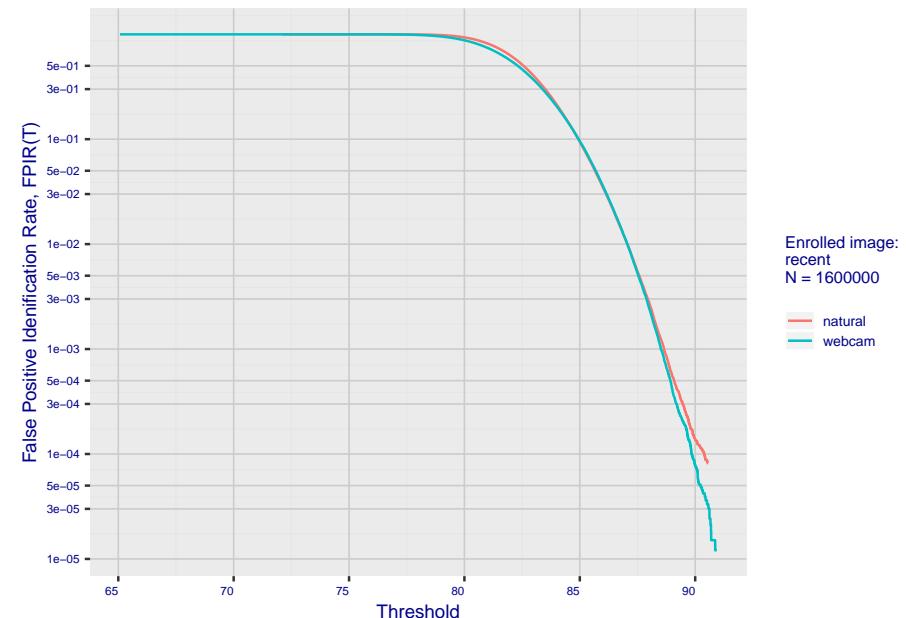
**Fig 5: Dependence on T by number enrolled identities**



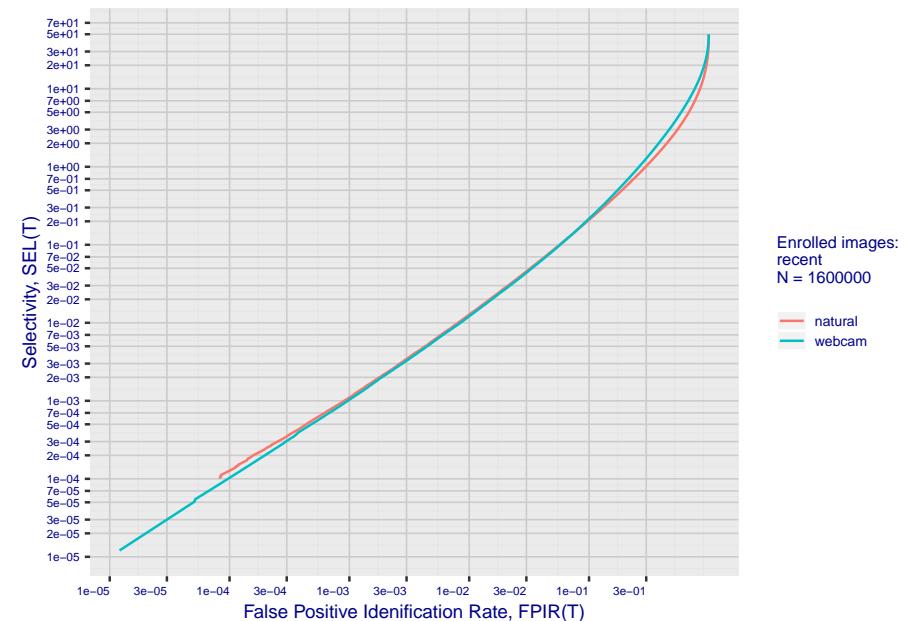
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm dermalog\_3 2020-03-20 13:16:27

Fig 10: Template duration; search duration vs. N

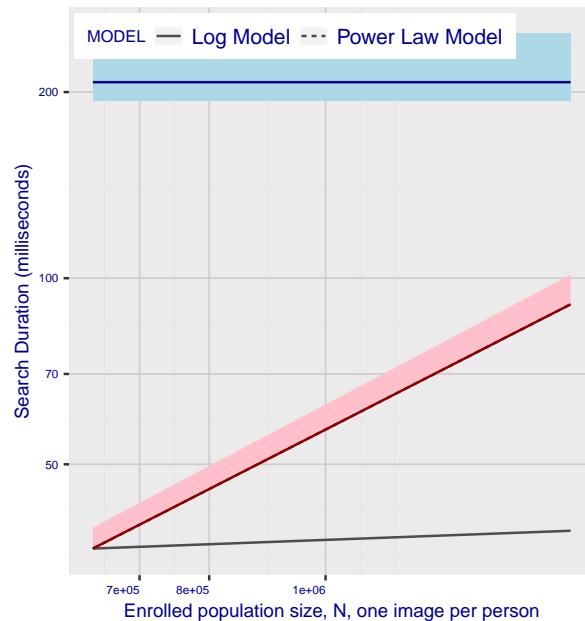
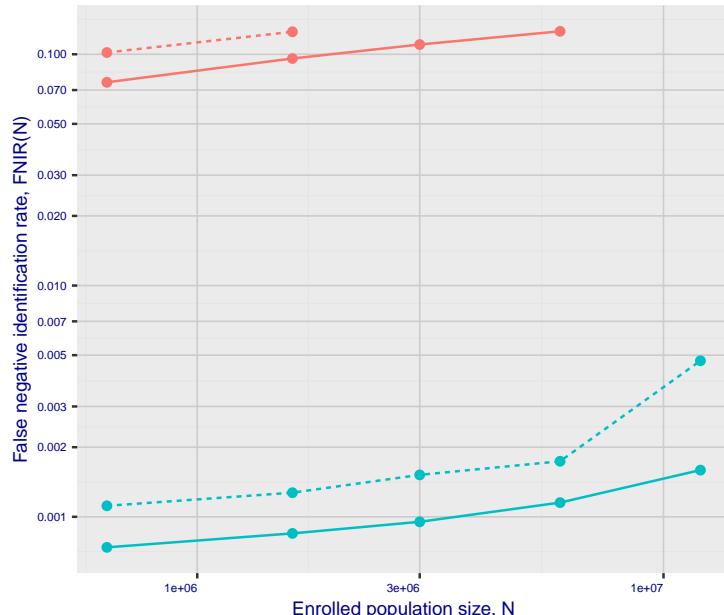


Fig 11: Datasheet

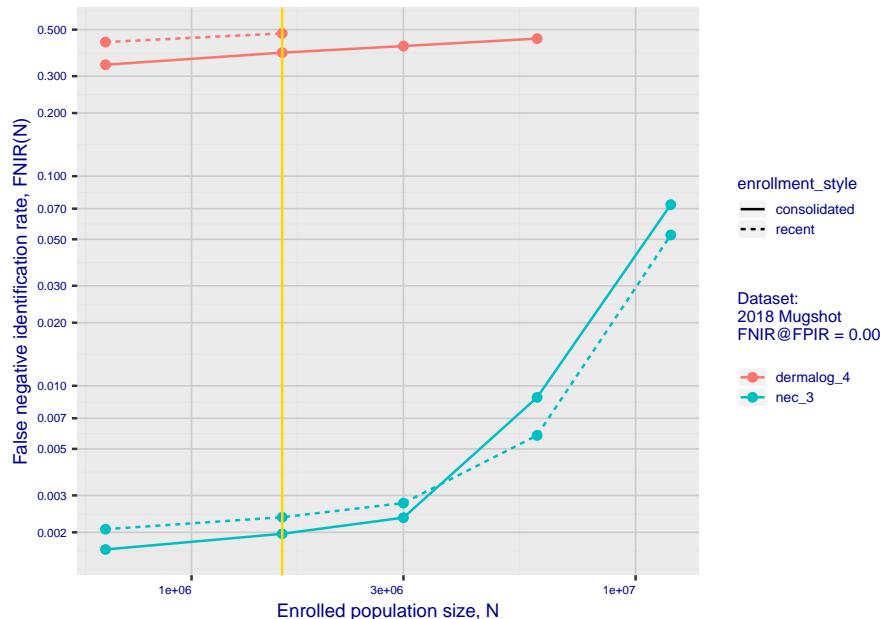
Algorithm:	dermalog_3
Developer:	Dermalog
Submission Date:	2018_06_21
Template size:	128 bytes
Template time (2.5 percentile):	193 msec
Template time (median):	208 msec
Template time (97.5 percentile):	249 msec
Investigation rank 193 -- FNIR(160000, 0, 1) = 0.1259 vs. lowest 0.0010 from sensetime_003	
Identification rank 188 -- FNIR(160000, T, L+1) = 0.4819	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm dermalog\_4 2020-03-20 13:16:15

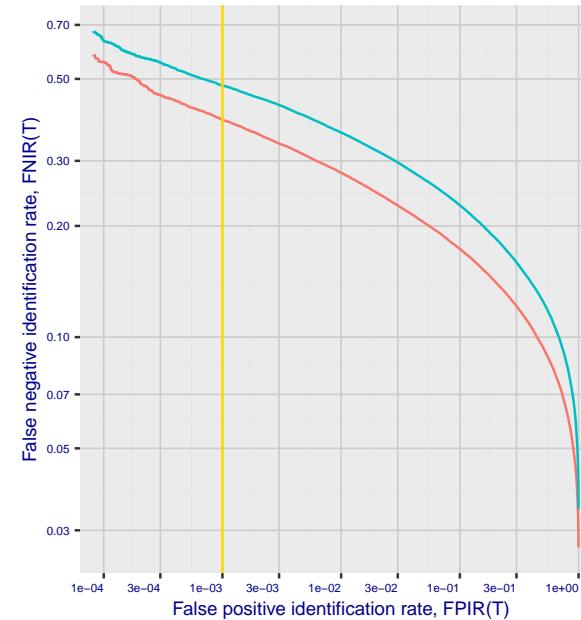
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



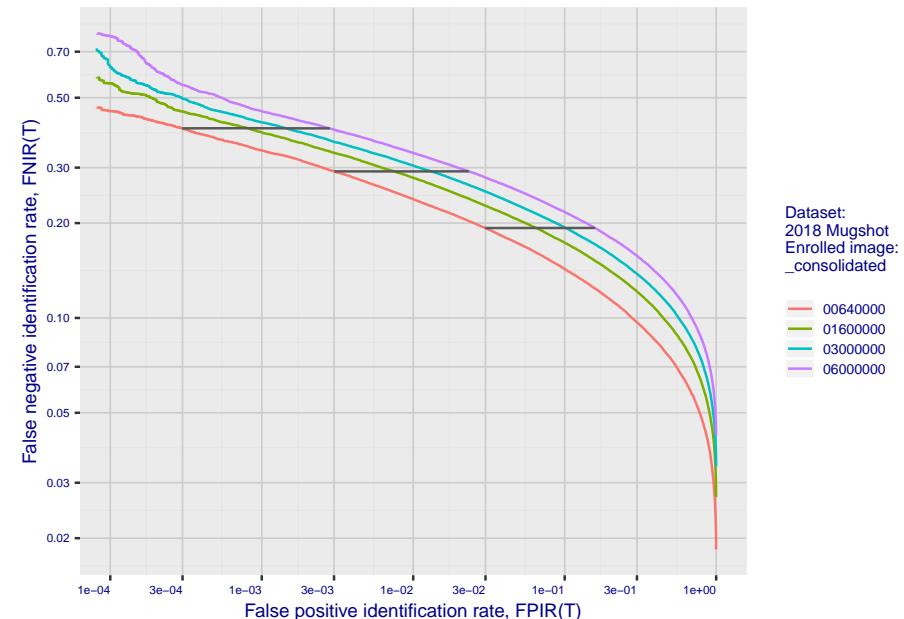
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

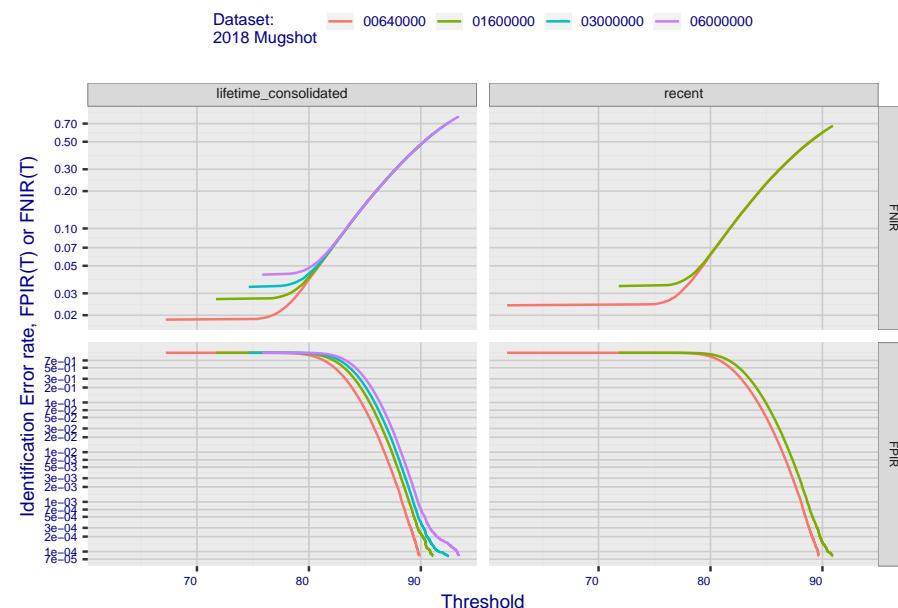


**Fig 4: DET for various N. Links connect points of equal threshold.**

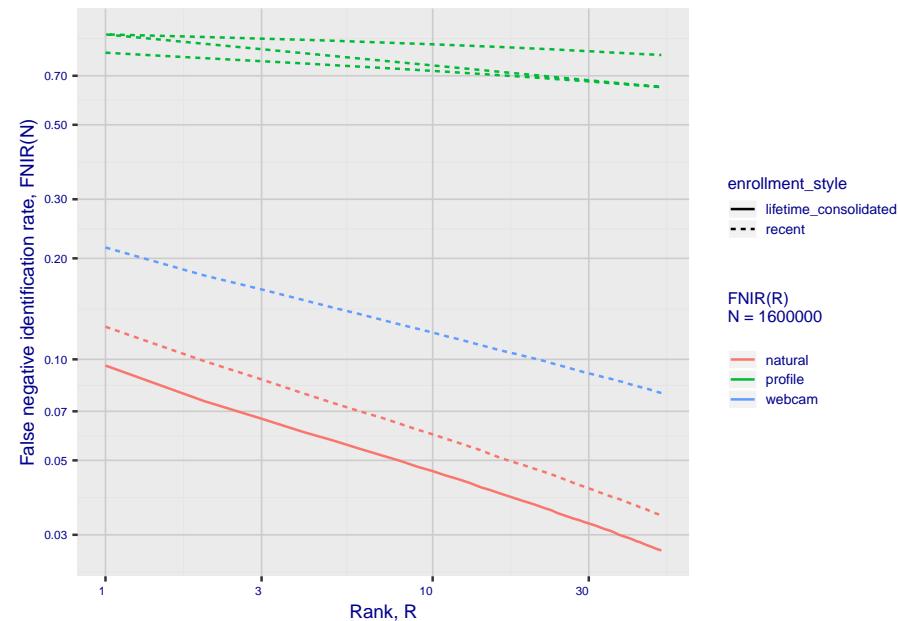


## 2. Report for algorithm dermalog\_4 2020-03-20 13:16:15

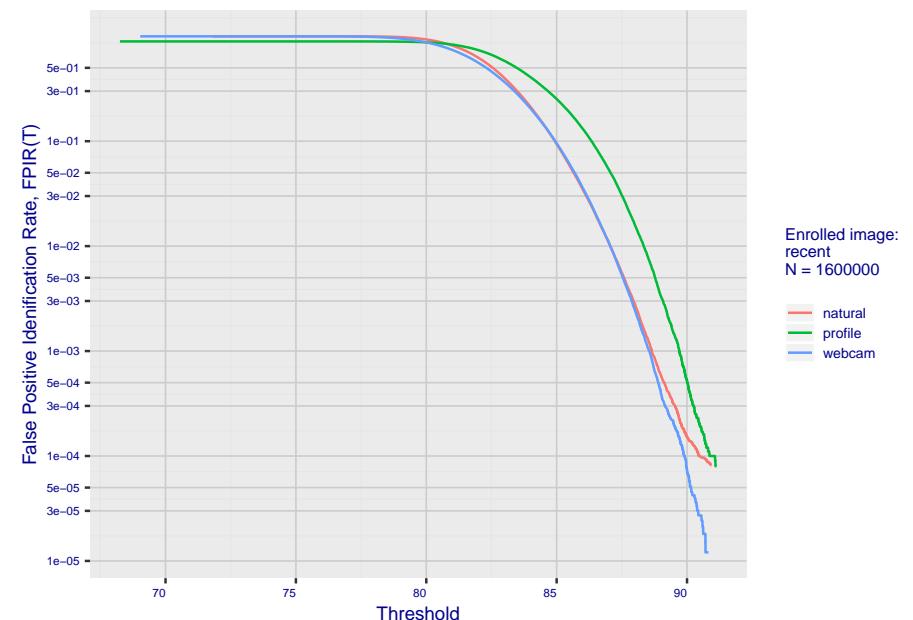
**Fig 5: Dependence on T by number enrolled identities**



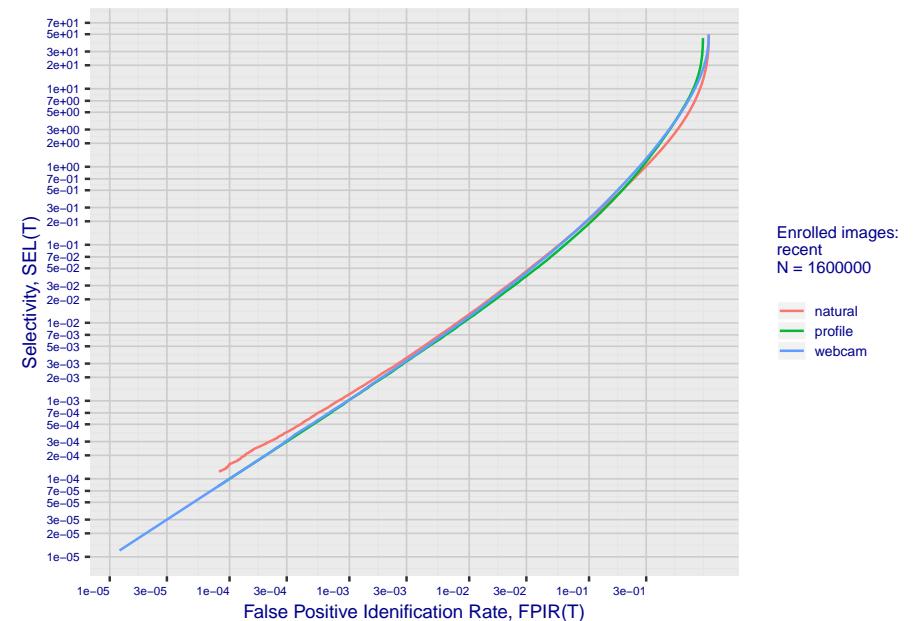
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm dermalog\_4 2020-03-20 13:16:15

Fig 10: Template duration; search duration vs. N

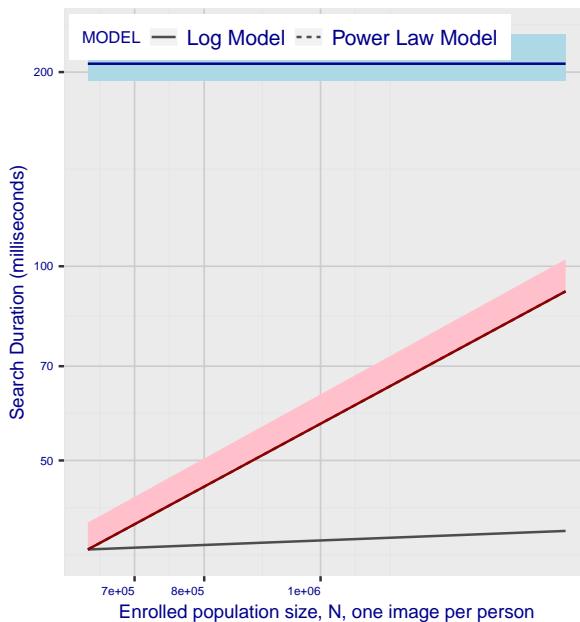
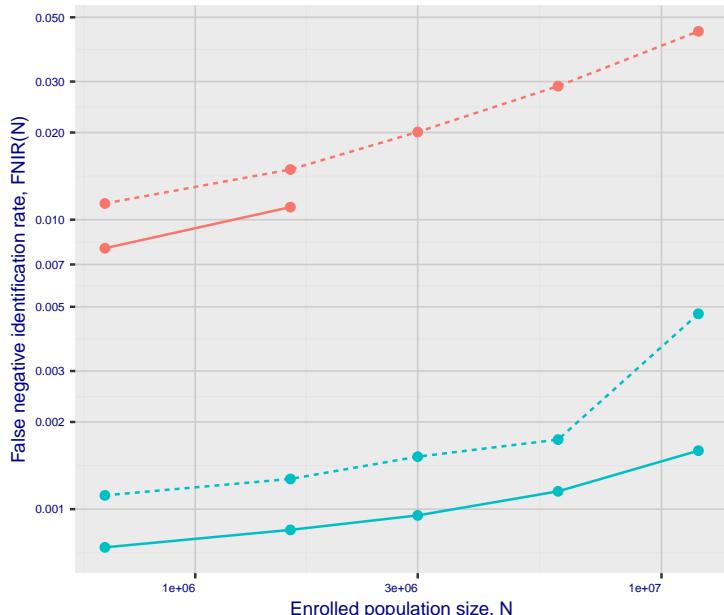


Fig 11: Datasheet

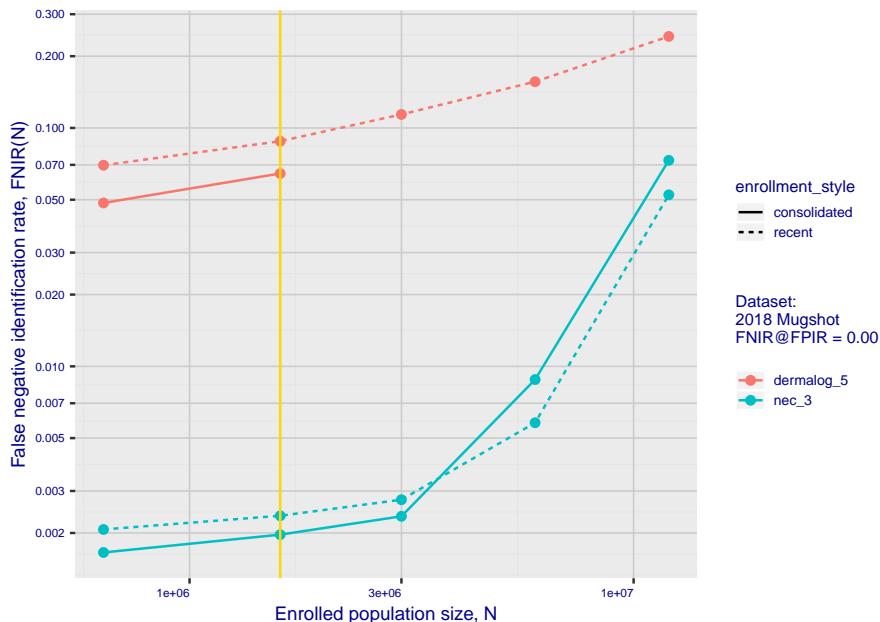
Algorithm: dermalog_4
Developer: Dermalog
Submission Date: 2018_06_21
Template size: 128 bytes
Template time (2.5 percentile): 194 msec
Template time (median): 206 msec
Template time (97.5 percentile): 229 msec
Investigation rank 192 -- FNIR(160000, 0, 1) = 0.1251 vs. lowest 0.0010 from sensetime_003
Identification rank 187 -- FNIR(160000, T, L+1) = 0.4798
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm dermalog\_5 2020-03-20 13:16:07

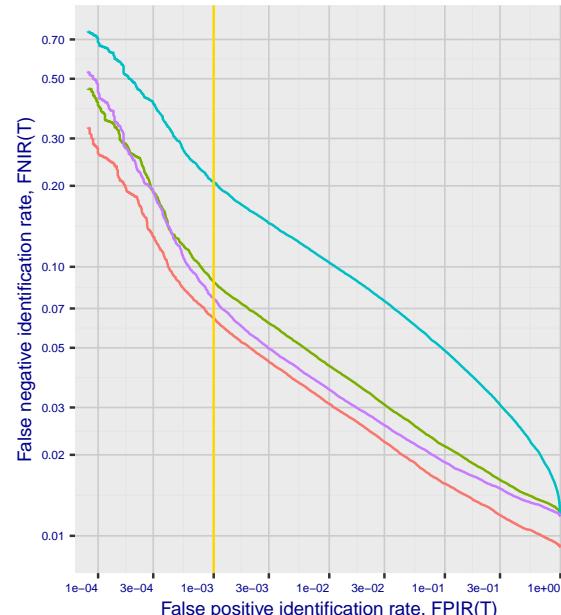
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



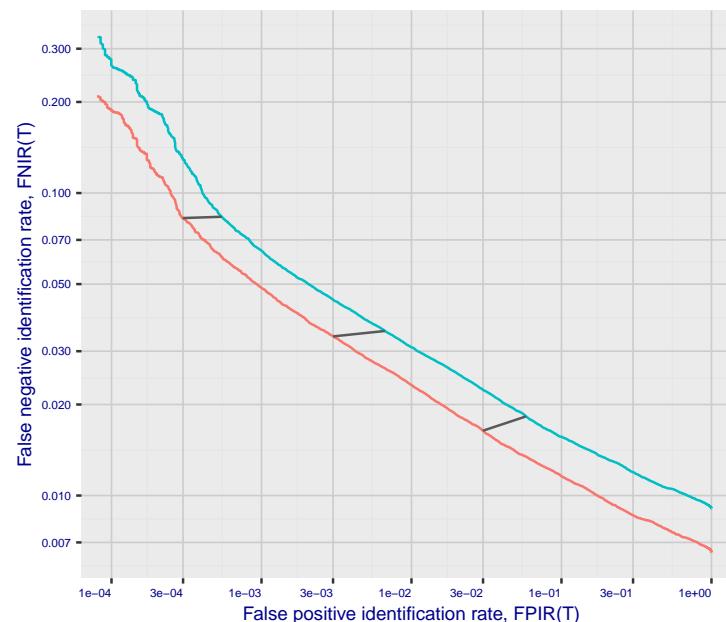
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**



Dataset:  
2018 Mugshot  
FNIR@FPIR = 0.001  
N=1600000

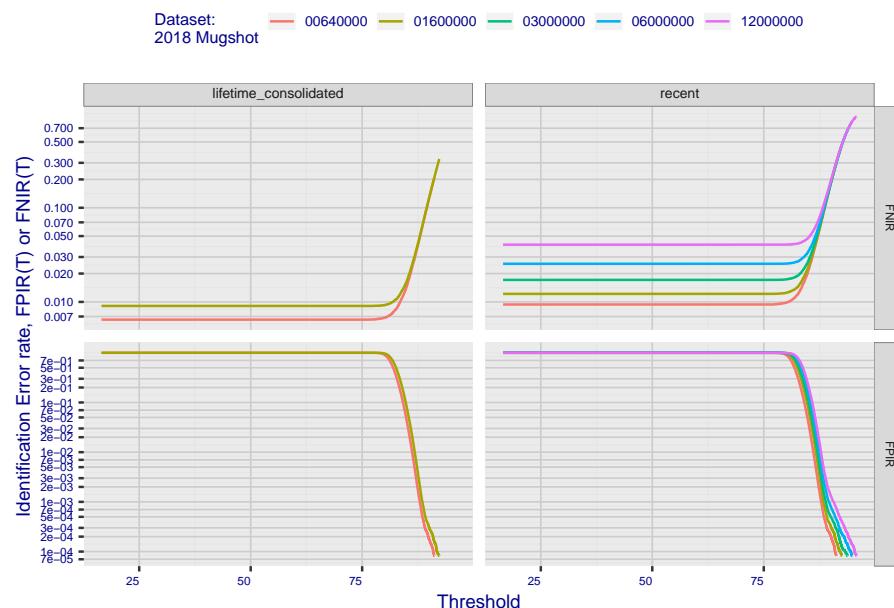
0.0644 consolidated-ONLY-MATE  
0.0880 recent-ONLY-MATE  
0.2064 unconsolidated-ALL-MATES  
0.0763 unconsolidated-ANY-MATE

Dataset:  
2018 Mugshot  
Enrolled image:  
\_consolidated

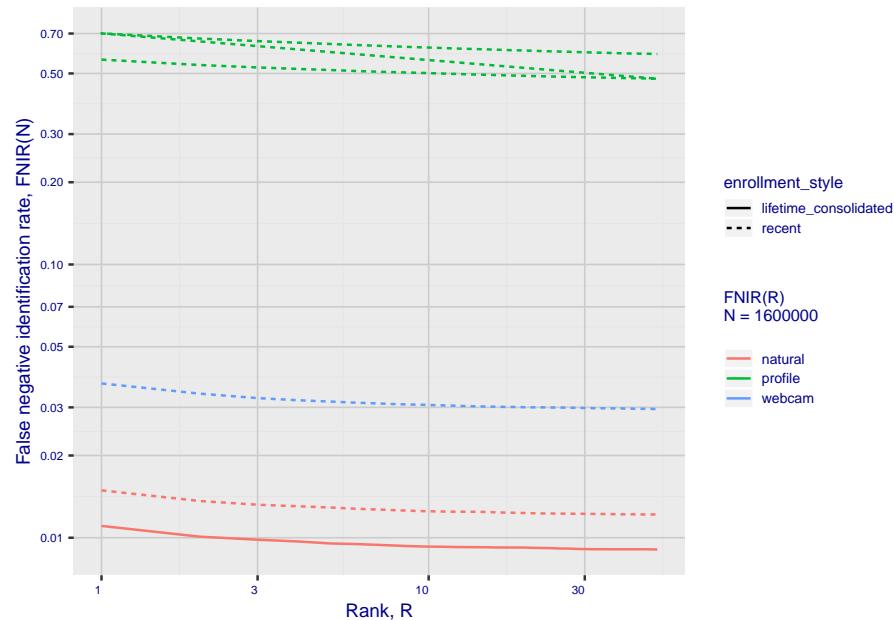
00640000  
01600000

## 2. Report for algorithm dermalog\_5 2020-03-20 13:16:07

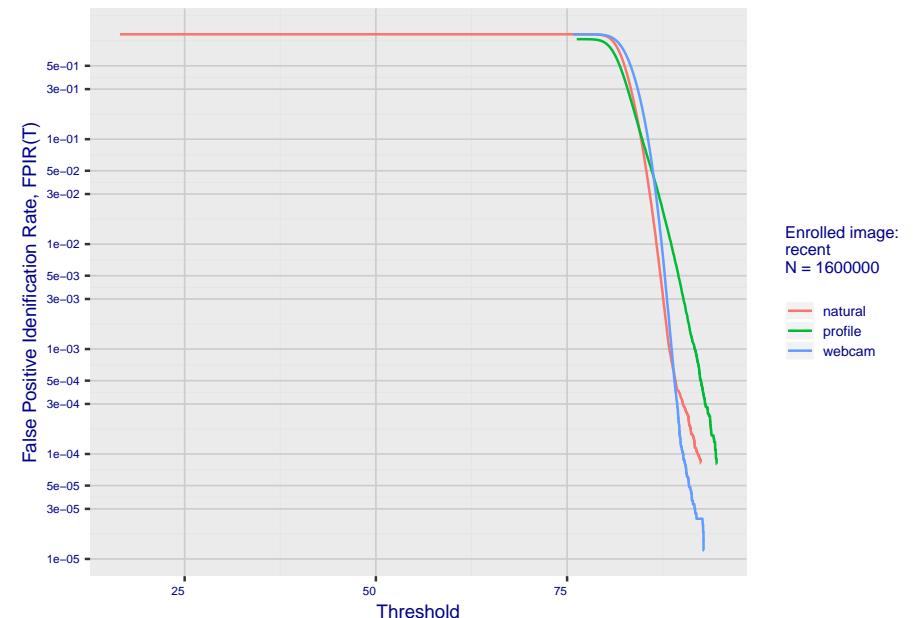
**Fig 5: Dependence on T by number enrolled identities**



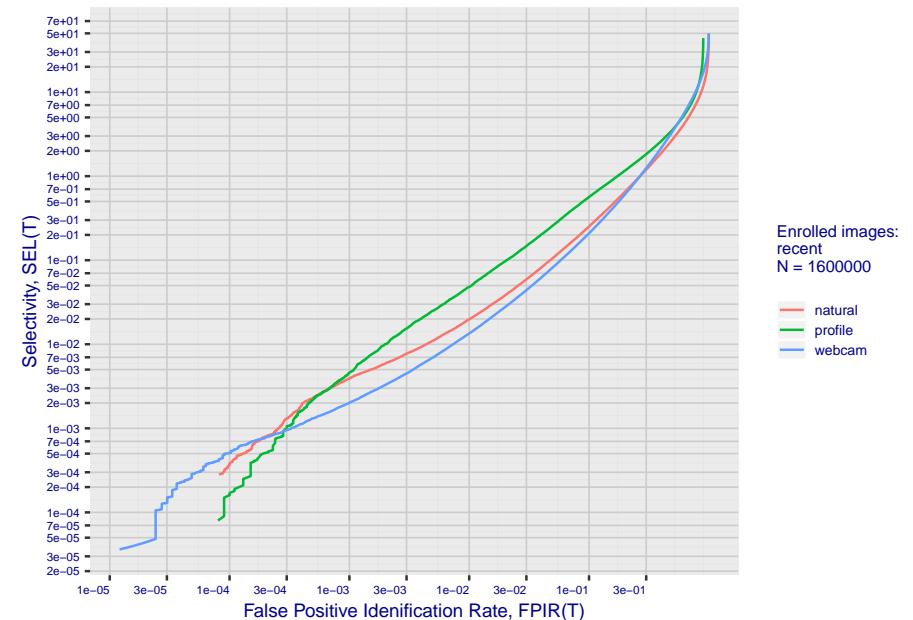
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm dermalog\_5 2020-03-20 13:16:07

Fig 10: Template duration; search duration vs. N

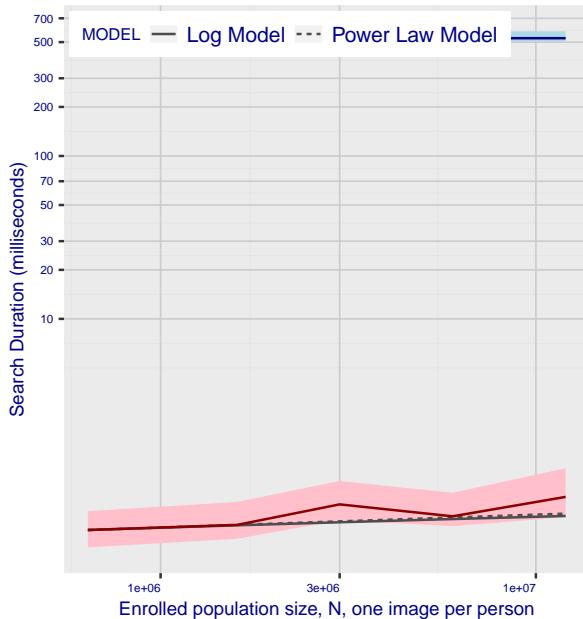
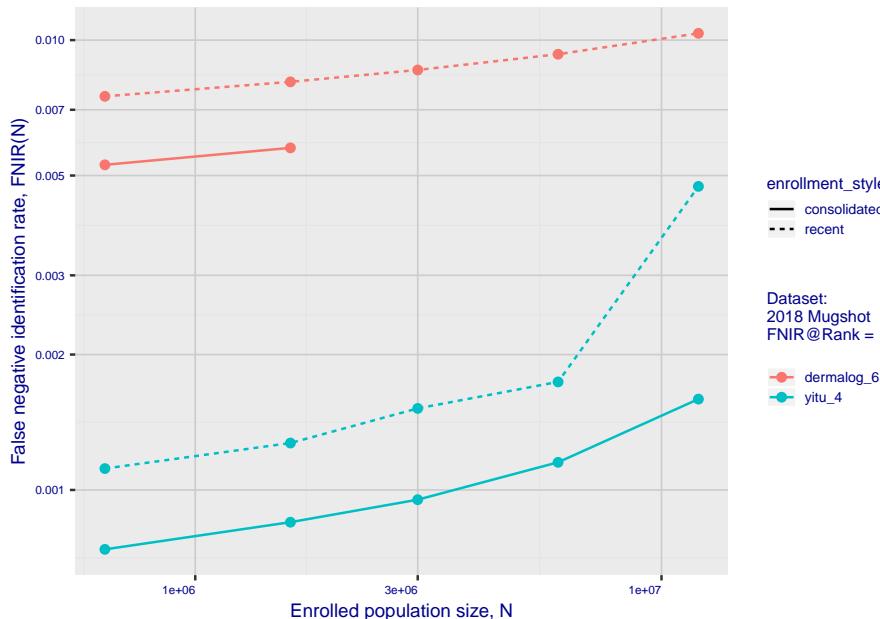


Fig 11: Datasheet

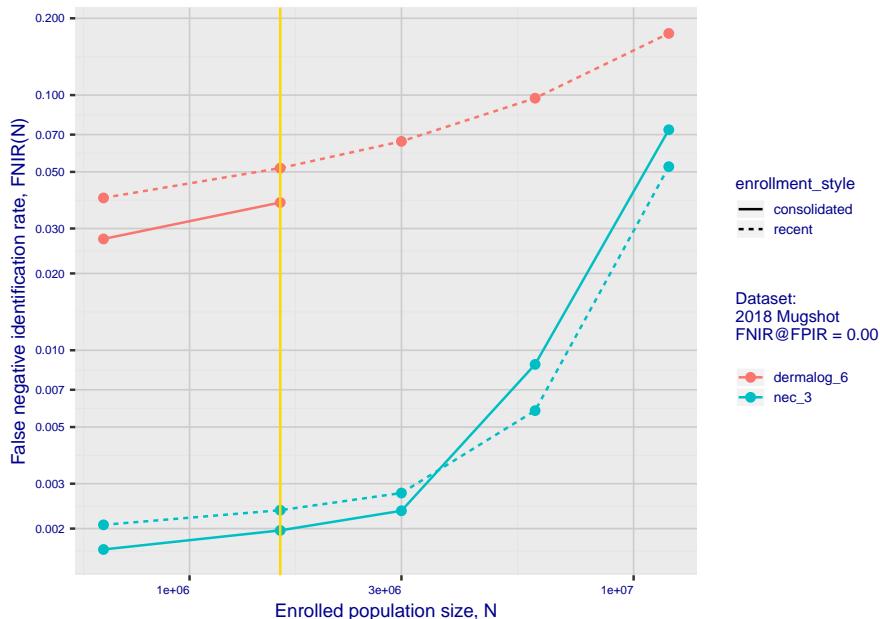
Algorithm: dermalog_5
Developer: Dermalog
Submission Date: 2018_10_26
Template size: 128 bytes
Template time (2.5 percentile): 506 msec
Template time (median): 528 msec
Template time (97.5 percentile): 583 msec
Investigation rank 123 -- FNIR(1600000, 0, 1) = 0.0149 vs. lowest 0.0010 from sensetime_003
Identification rank 100 -- FNIR(1600000, T, L+1) = 0.0880
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm dermalog\_6 2020-03-20 13:18:07

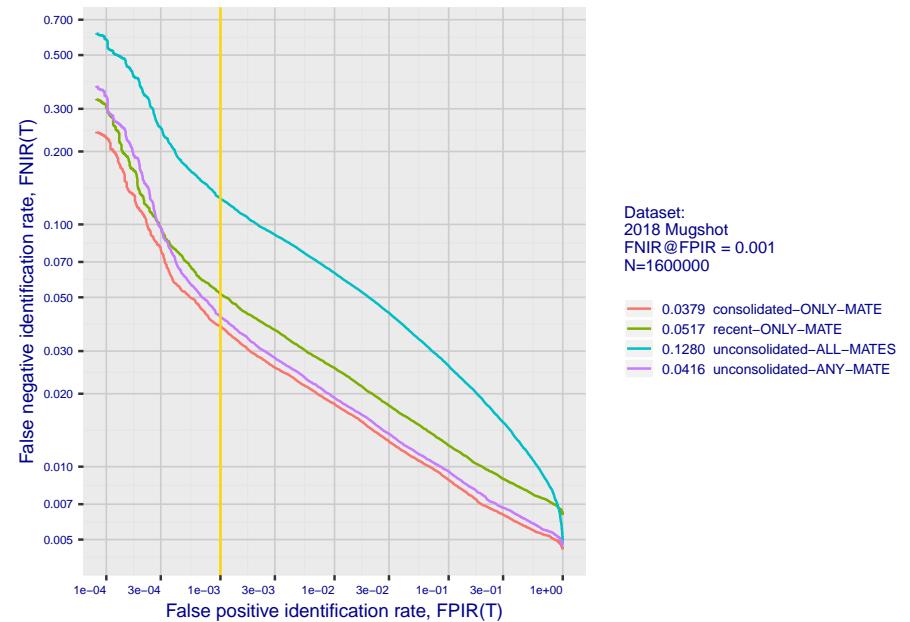
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



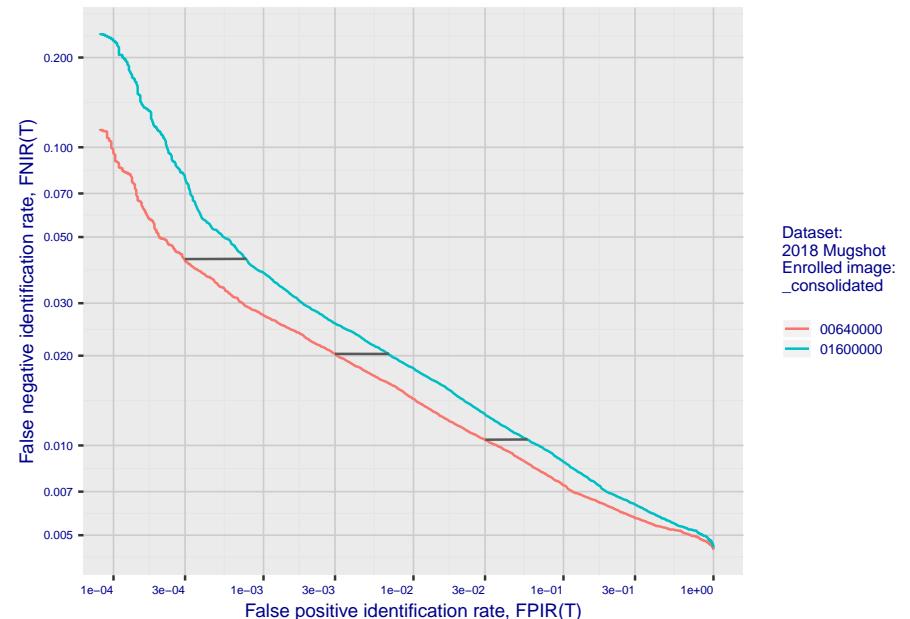
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

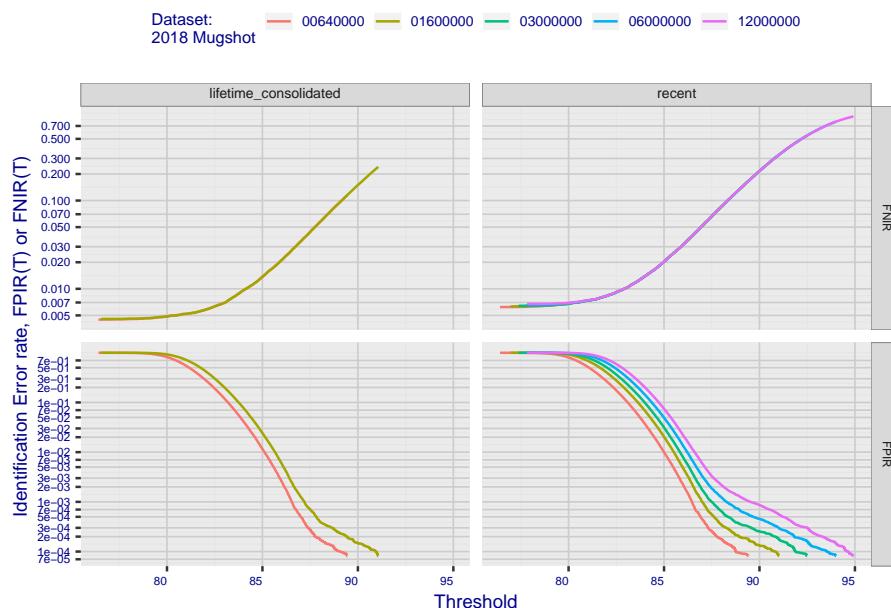


**Fig 4: DET for various N. Links connect points of equal threshold.**

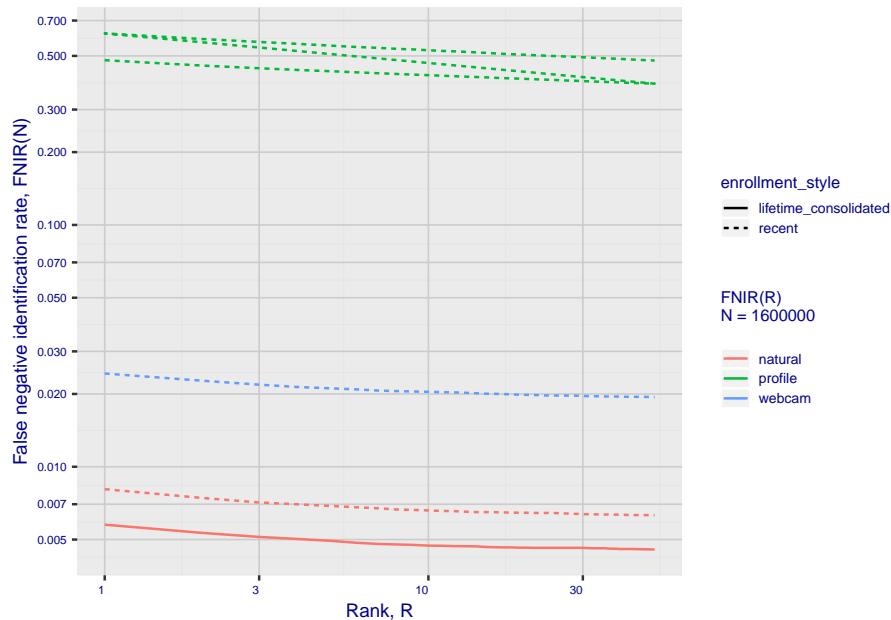


## 2. Report for algorithm dermalog\_6 2020-03-20 13:18:07

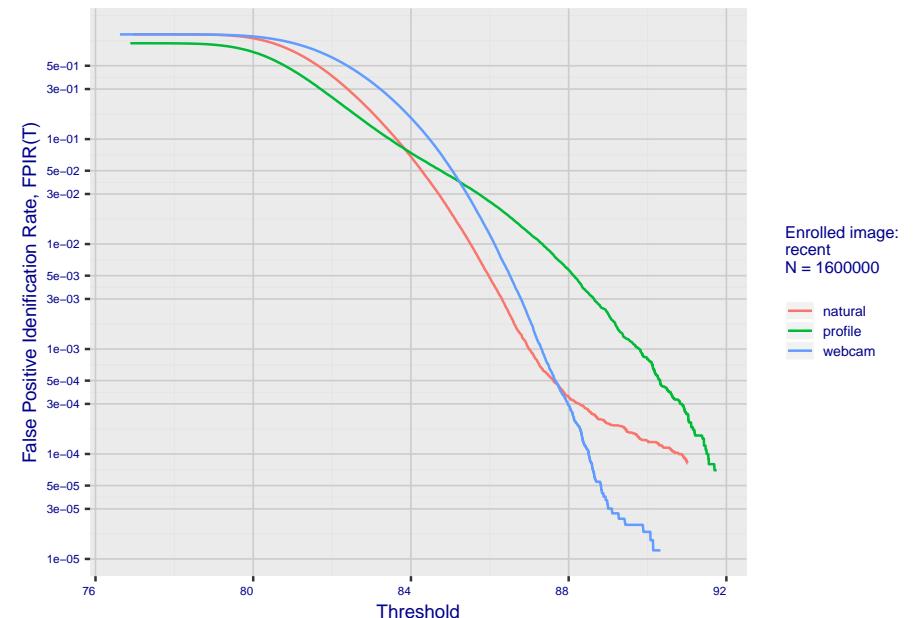
**Fig 5: Dependence on T by number enrolled identities**



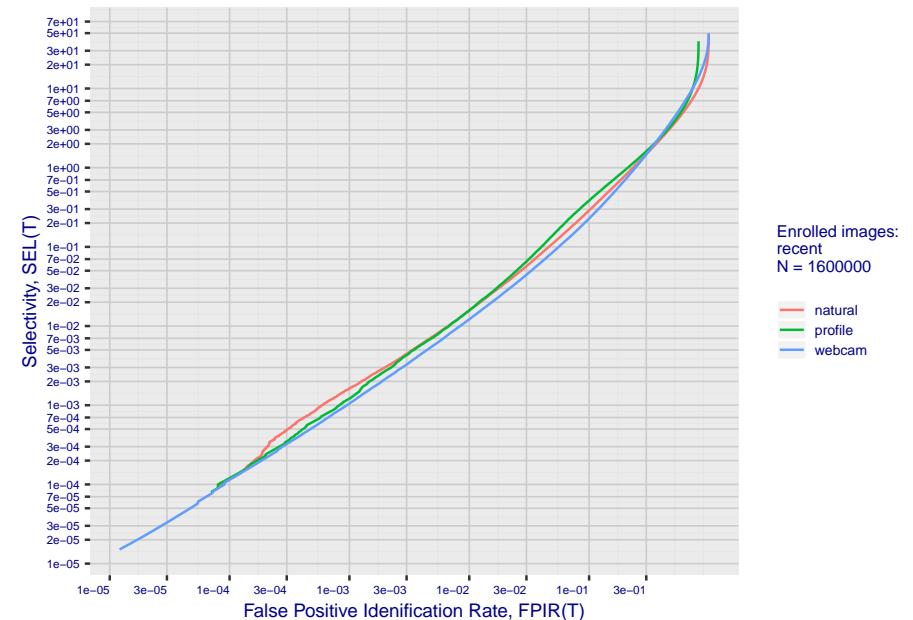
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm dermalog\_6 2020-03-20 13:18:07

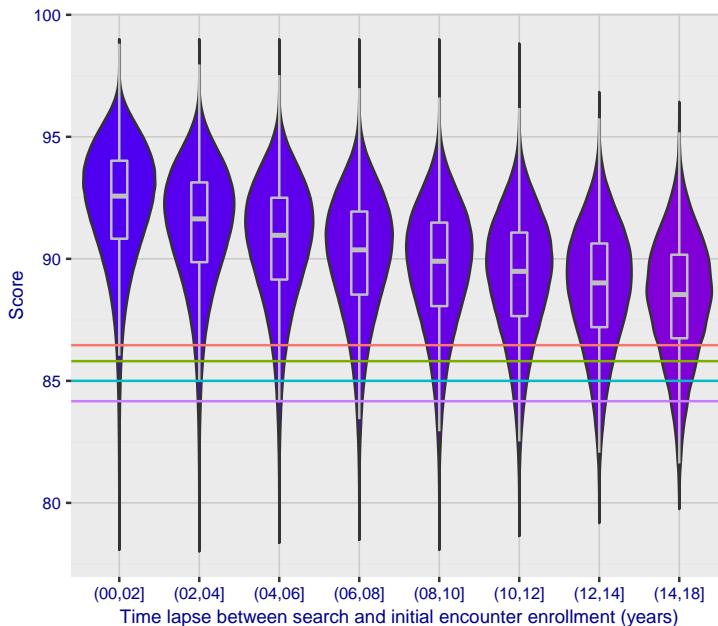
**Fig 10: Template duration; search duration vs. N**



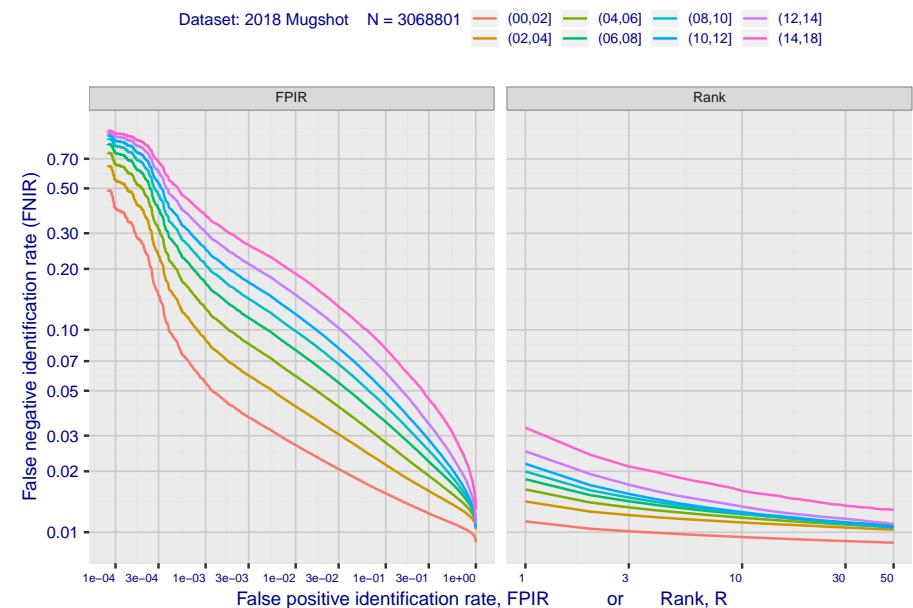
**Fig 11: Datasheet**

Algorithm: dermalog_6
Developer: Dermalog
Submission Date: 2018_10_26
Template size: 256 bytes
Template time (2.5 percentile): 496 msec
Template time (median): 507 msec
Template time (97.5 percentile): 552 msec
Investigation rank 86 --- FNIR(1600000, 0, 1) = 0.0081 vs. lowest 0.0010 from sensetime_003
Identification rank 60 --- FNIR(1600000, T, L+1) = 0.0517
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

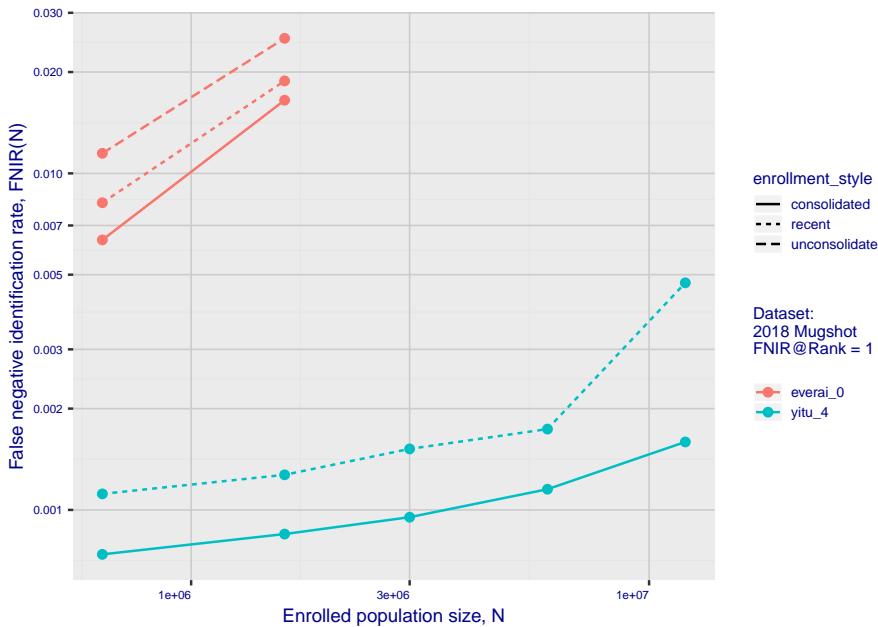


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

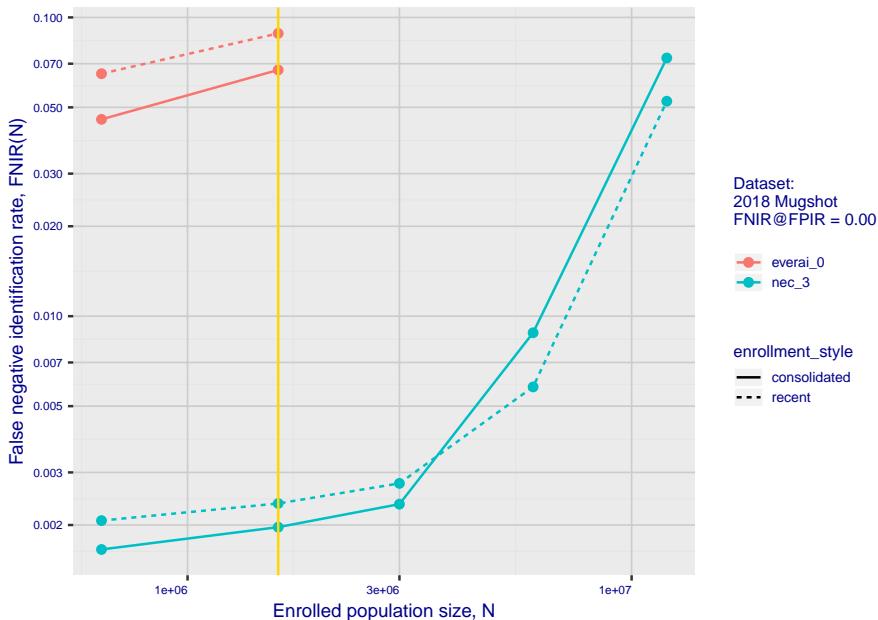


# 1. Report for algorithm everai\_0 2020-03-20 13:16:18

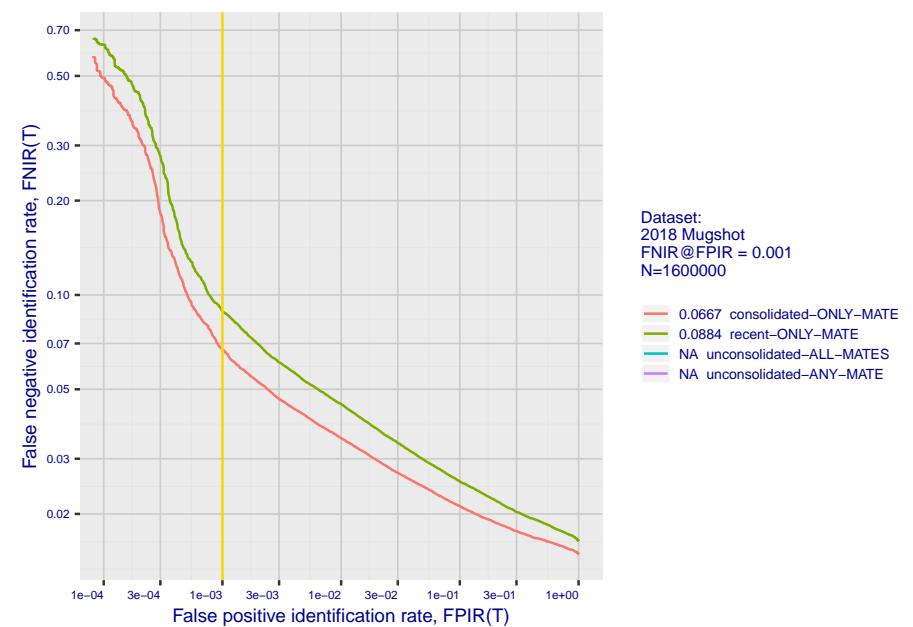
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



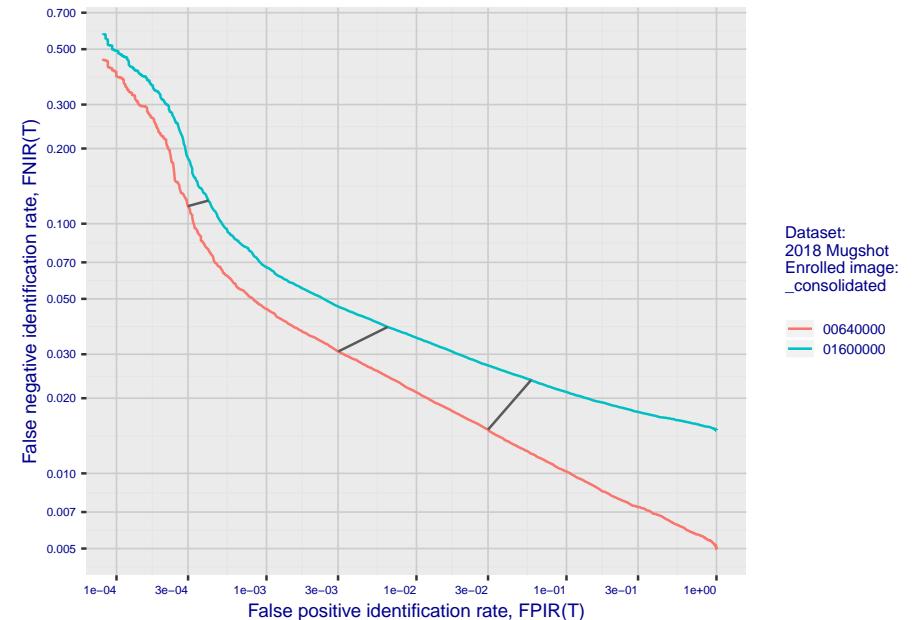
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

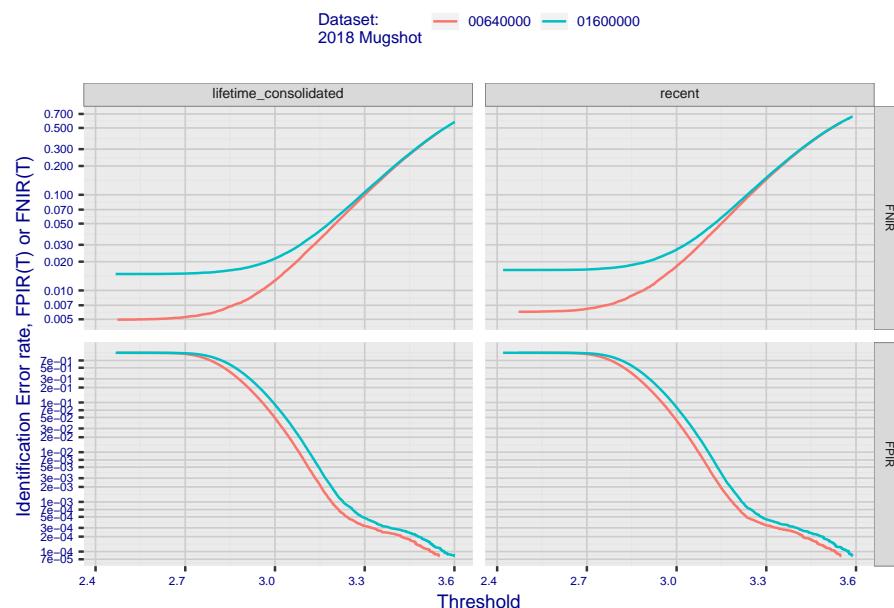


**Fig 4: DET for various N. Links connect points of equal threshold.**

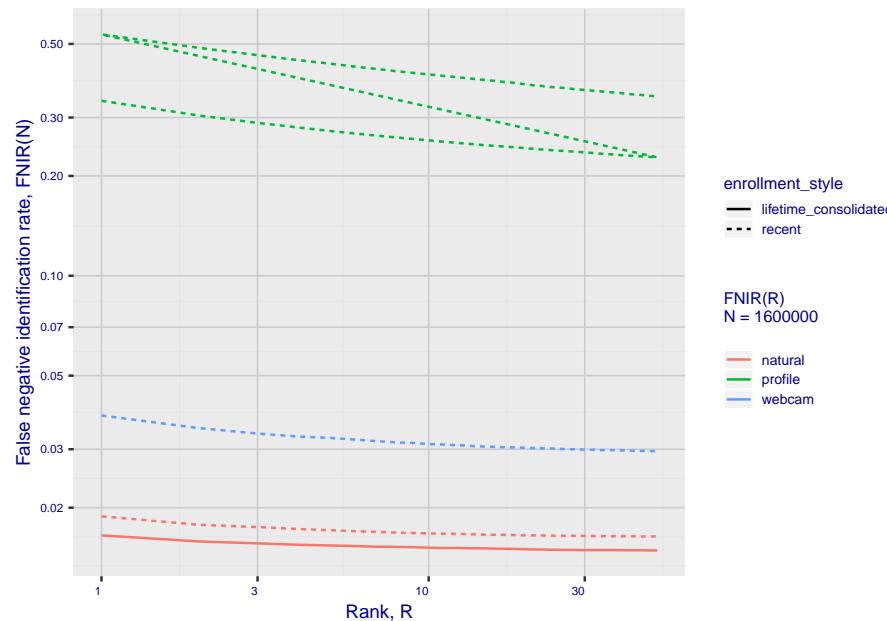


## 2. Report for algorithm everai\_0 2020-03-20 13:16:18

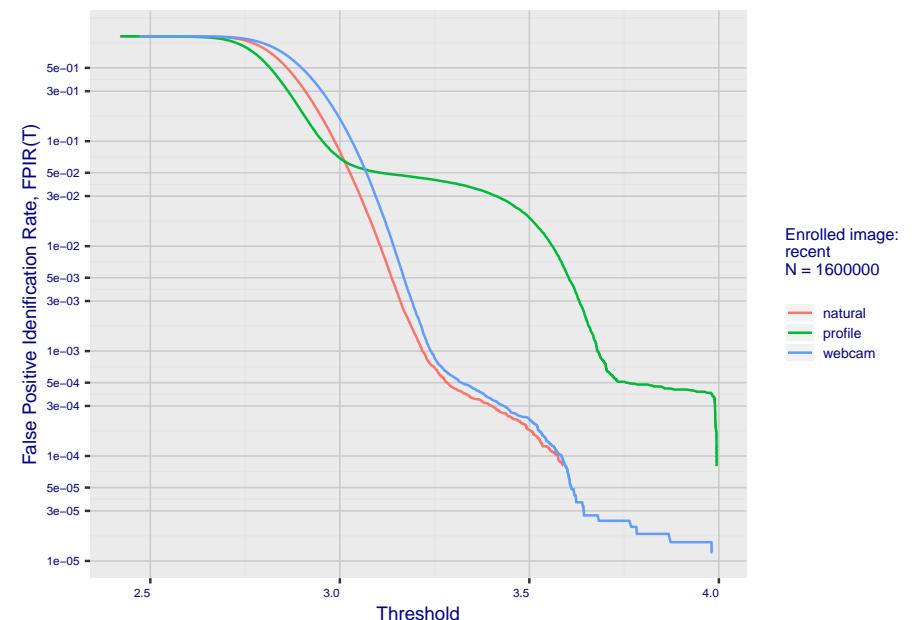
**Fig 5: Dependence on T by number enrolled identities**



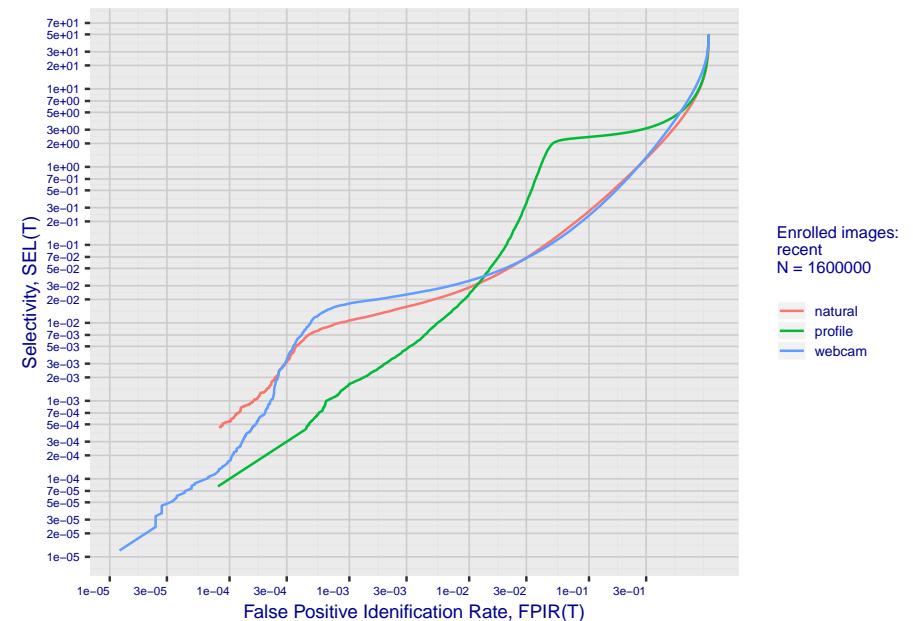
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm everai\_0 2020-03-20 13:16:18

Fig 10: Template duration; search duration vs. N

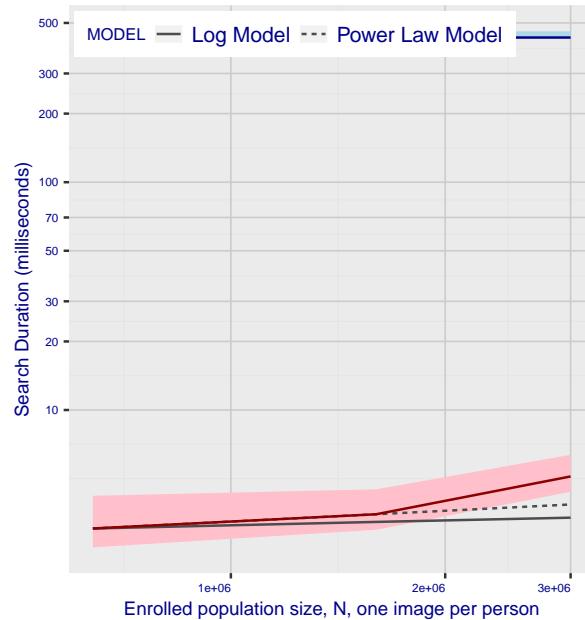
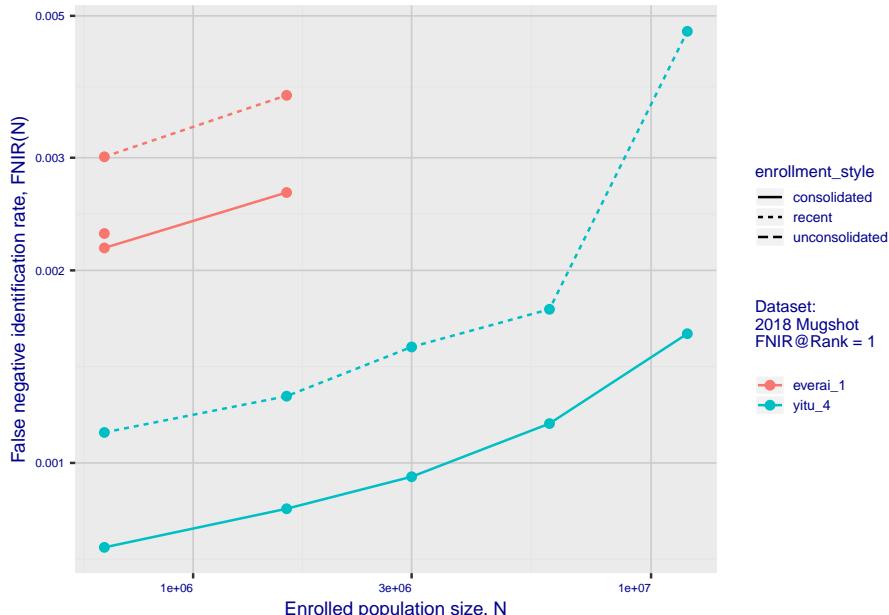


Fig 11: Datasheet

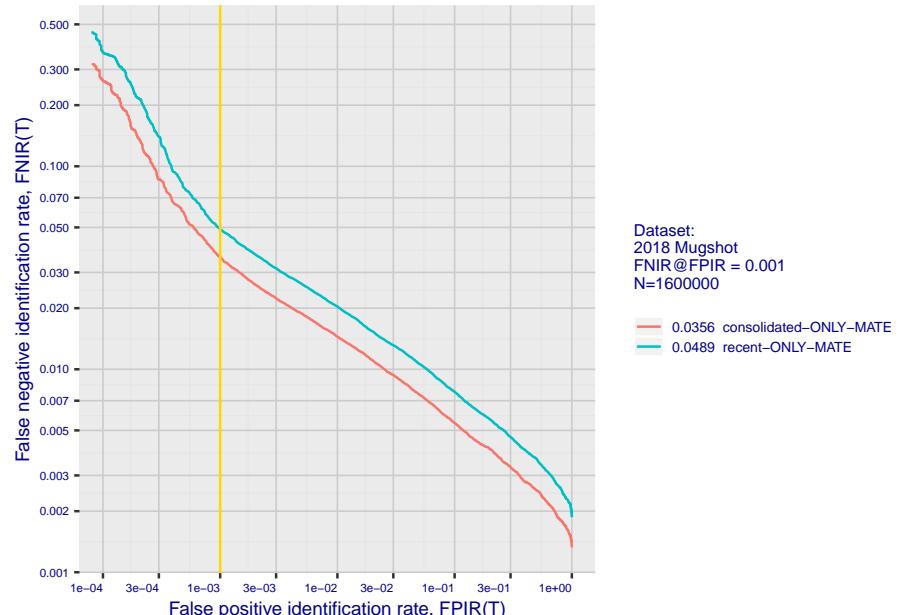
Algorithm: everai_0
Developer: Paravision (EverAI)
Submission Date: 2018_06_21
Template size: 2048 bytes
Template time (2.5 percentile): 430 msec
Template time (median): 431 msec
Template time (97.5 percentile): 459 msec
Investigation rank 132 -- FNIR(1600000, 0, 1) = 0.0188 vs. lowest 0.0010 from sensetime_003
Identification rank 101 -- FNIR(1600000, T, L+1) = 0.0884
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm everai\_1 2020-03-20 13:16:19

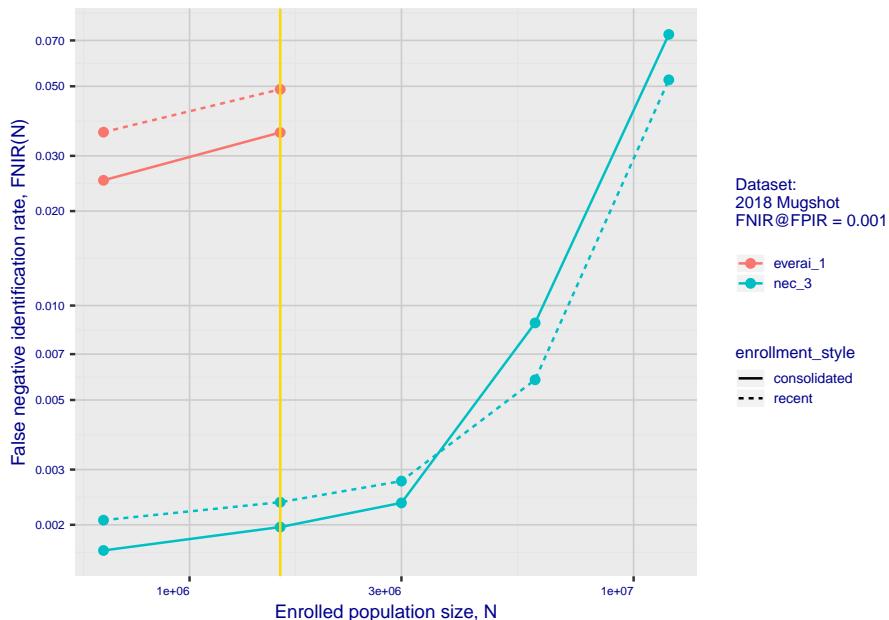
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



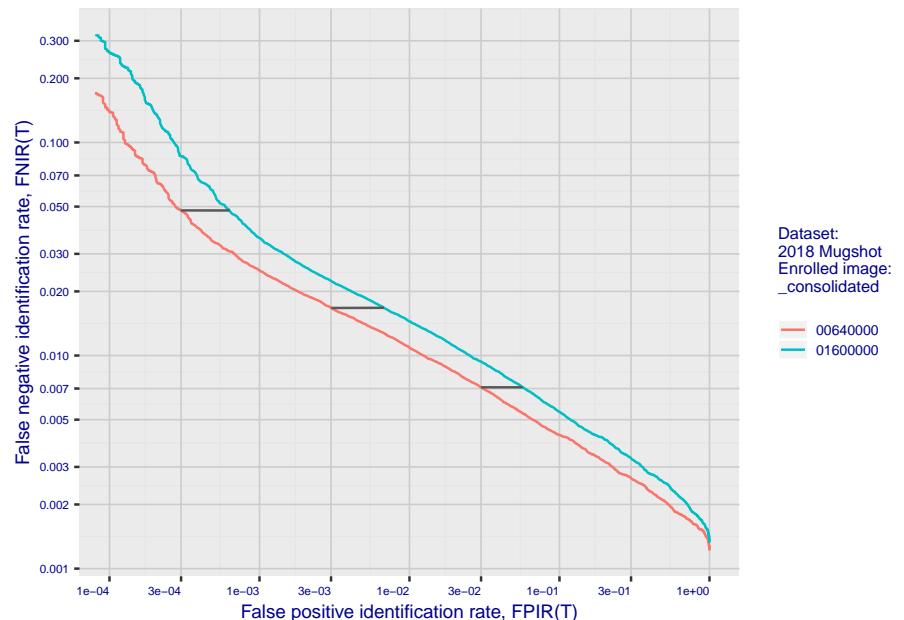
**Fig 2: DETs by enrollment type**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

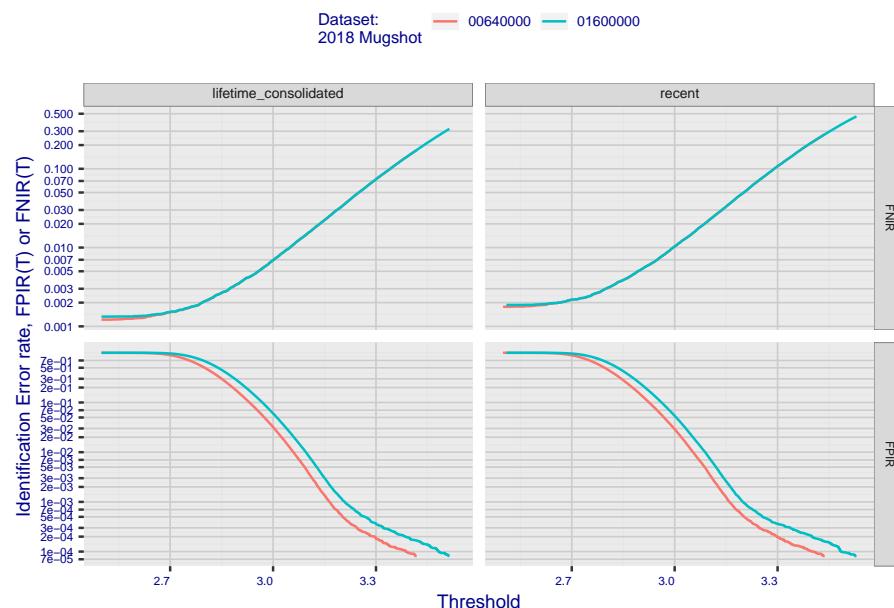


**Fig 4: DET for various N. Links connect points of equal threshold.**

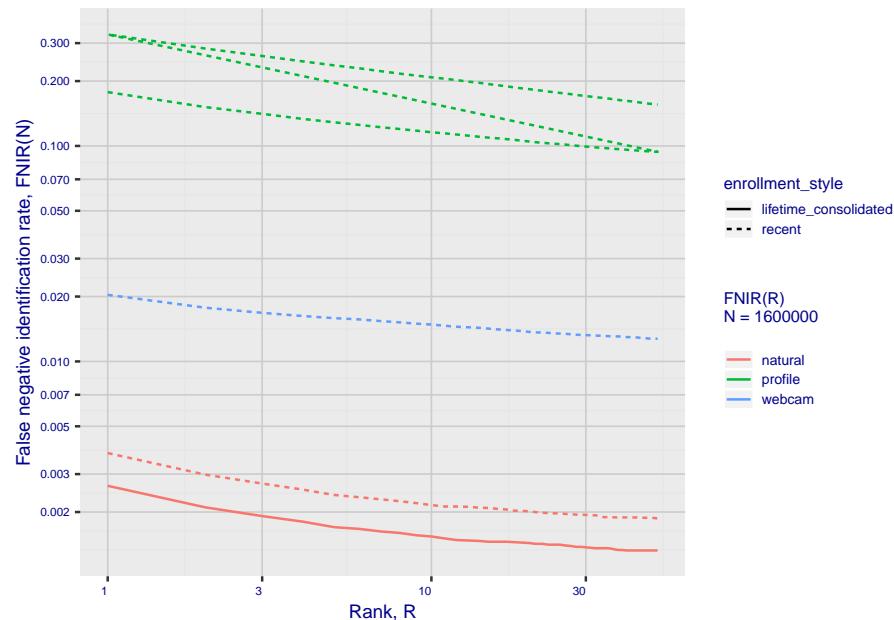


## 2. Report for algorithm everai\_1 2020-03-20 13:16:19

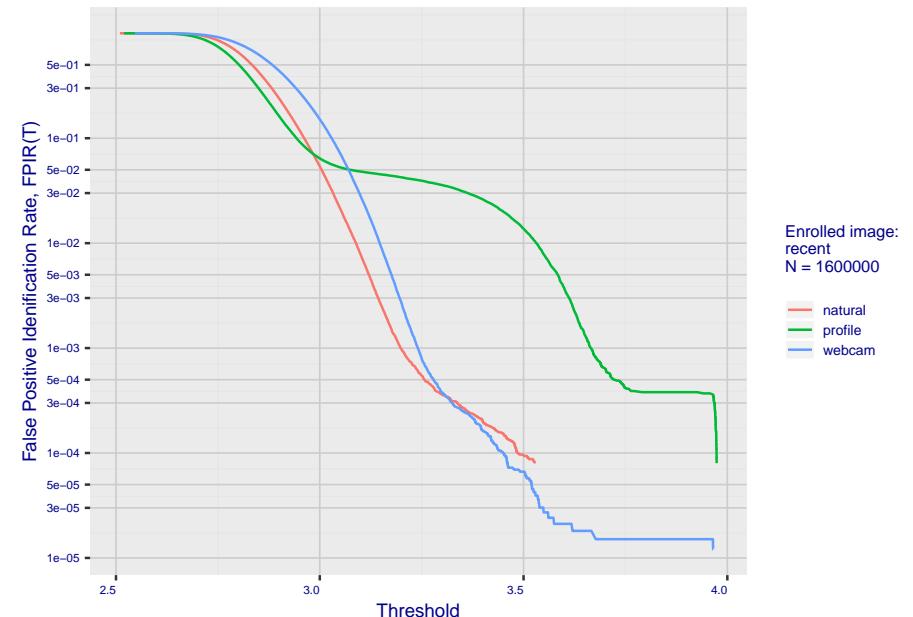
**Fig 5: Dependence on T by number enrolled identities**



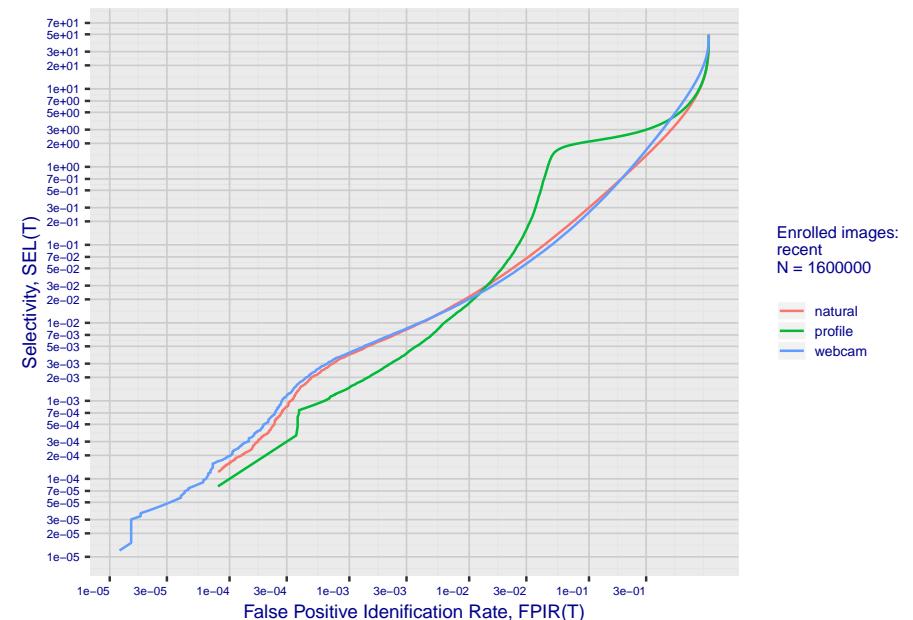
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm everai\_1 2020-03-20 13:16:19

Fig 10: Template duration; search duration vs. N

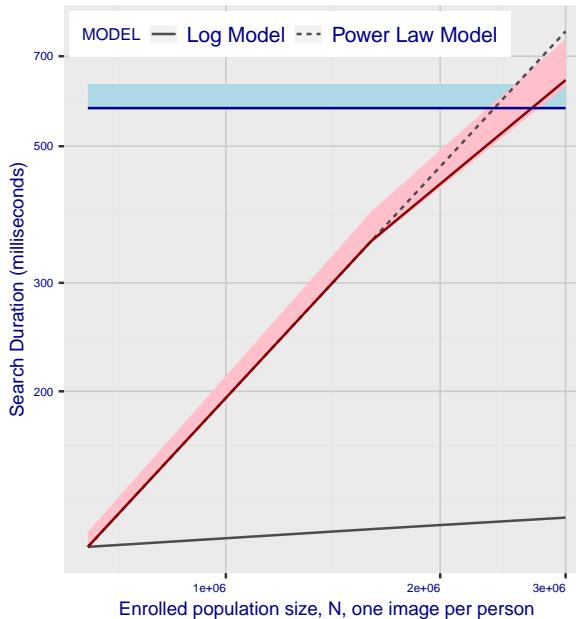
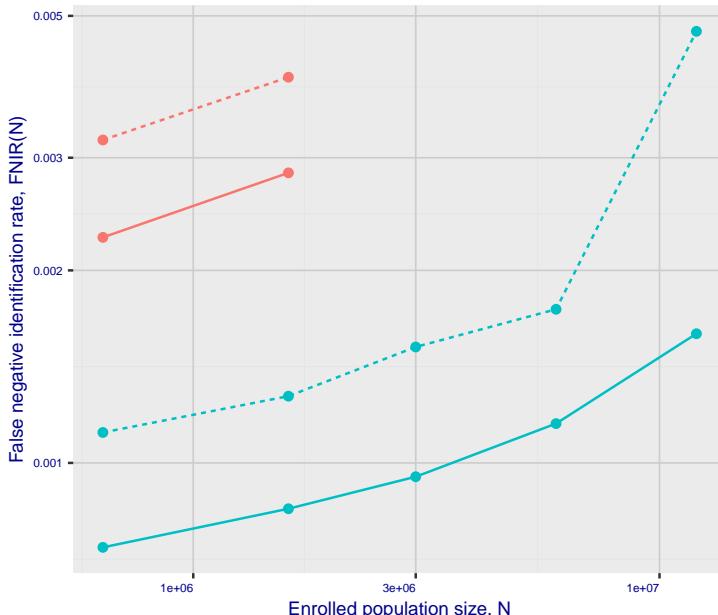


Fig 11: Datasheet

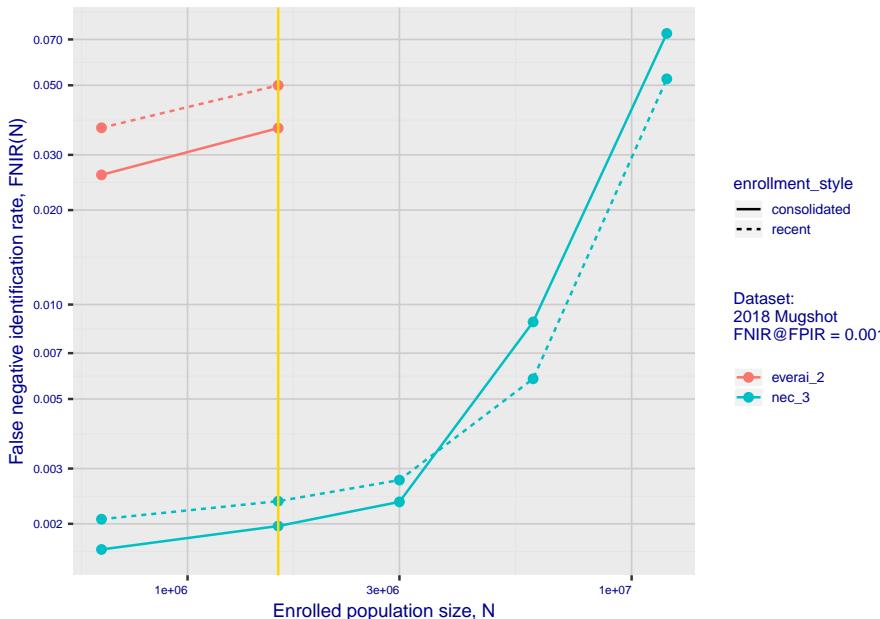
Algorithm: everai\_1  
Developer: Paravision (EverAI)  
Submission Date: 2018\_06\_21  
Template size: 2048 bytes  
Template time (2.5 percentile): 575 msec  
Template time (median): 577 msec  
Template time (97.5 percentile): 631 msec  
Investigation rank 39 --- FNIR(1600000, 0, 1) = 0.0038 vs. lowest 0.0010 from sensetime\_003  
Identification rank 56 --- FNIR(1600000, T, L+1) = 0.0489  
FPIR = 0.001 vs. lowest 0.0018 from sensetime\_003

# 1. Report for algorithm everai\_2 2020-03-20 13:18:23

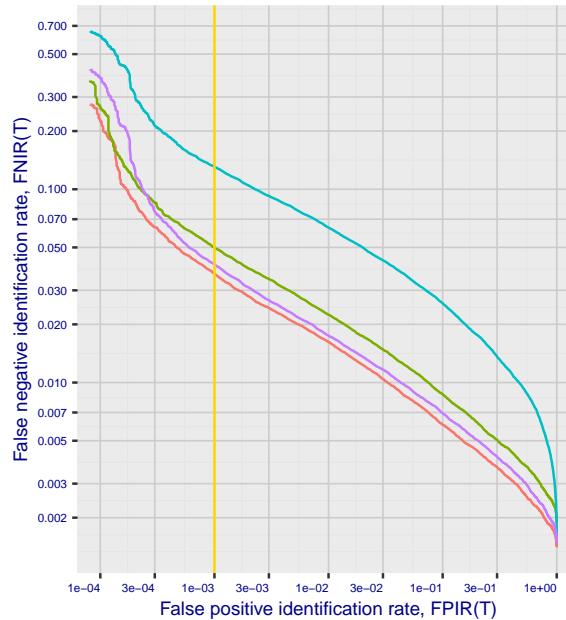
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



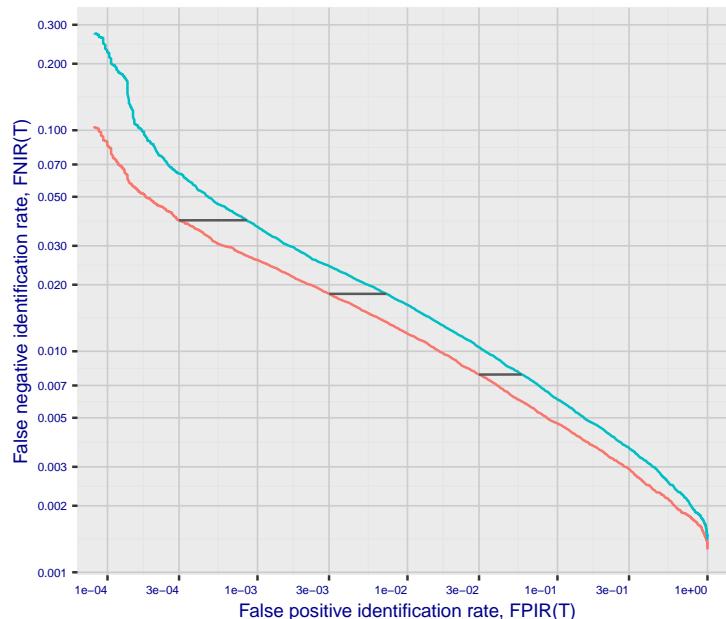
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**



Dataset:

2018 Mugshot

FNIR@FPIR = 0.001

N=1600000

0.0365 consolidated-ONLY-MATE

0.0500 recent-ONLY-MATE

0.1312 unconsolidated-ALL-MATES

0.0410 unconsolidated-ANY-MATE

Dataset:

2018 Mugshot

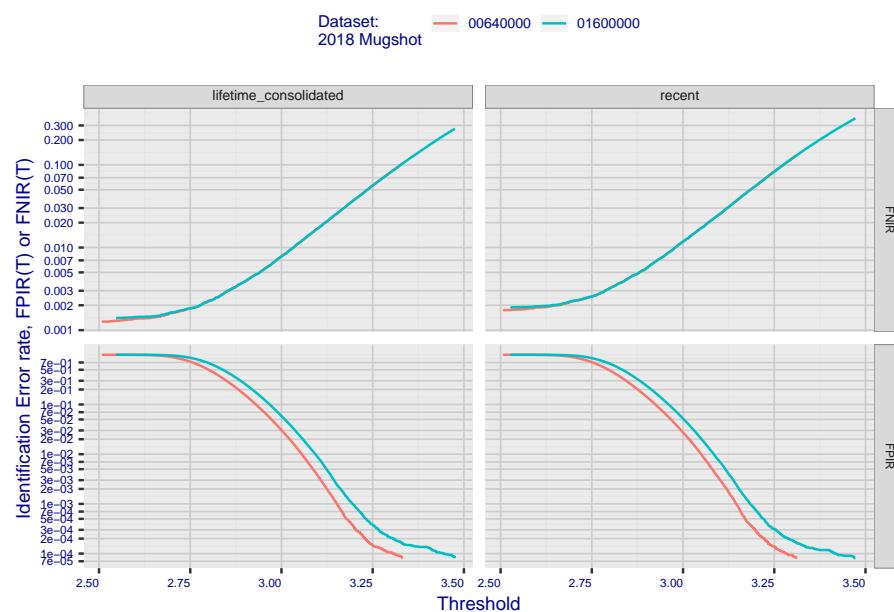
Enrolled image: \_consolidated

00640000

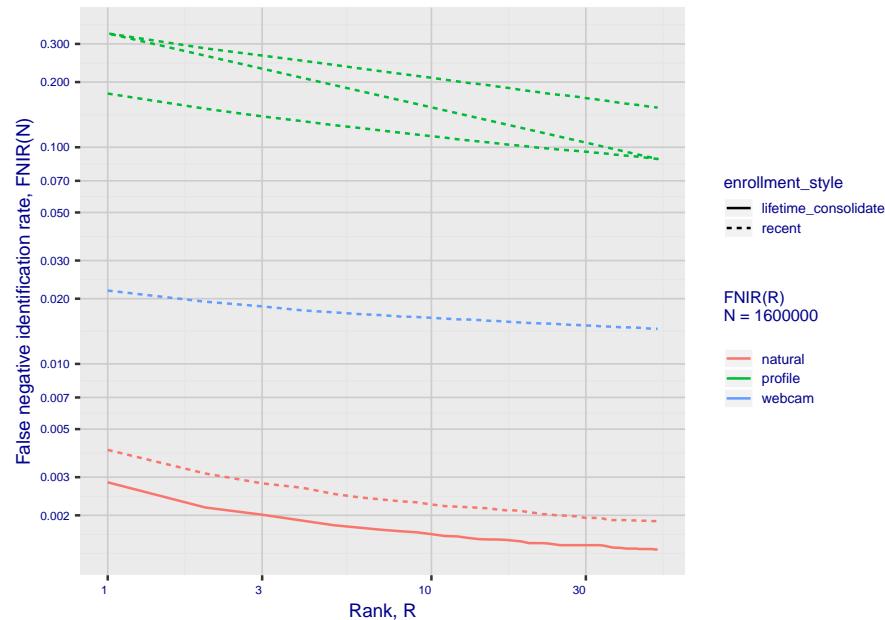
01600000

## 2. Report for algorithm everai\_2 2020-03-20 13:18:23

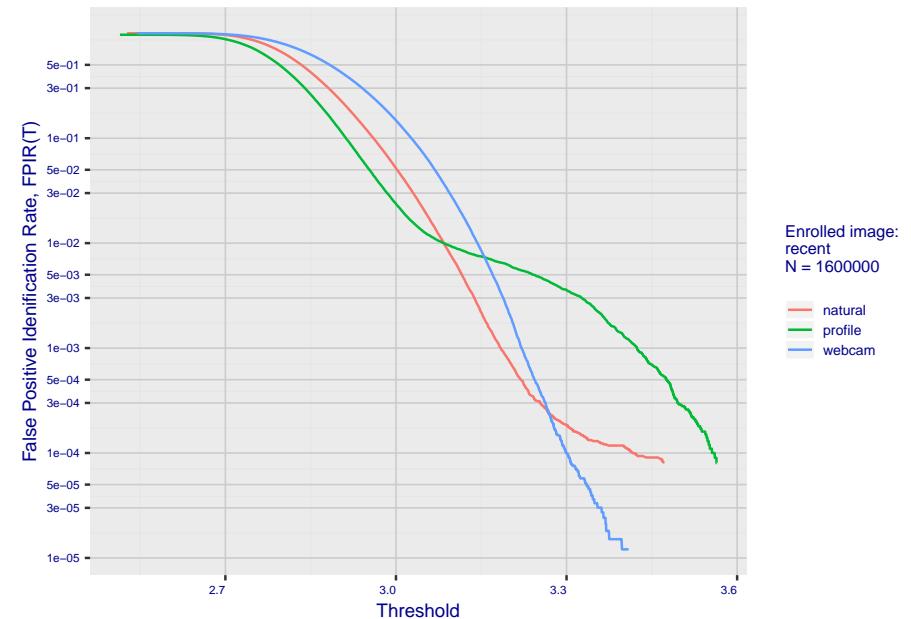
**Fig 5: Dependence on T by number enrolled identities**



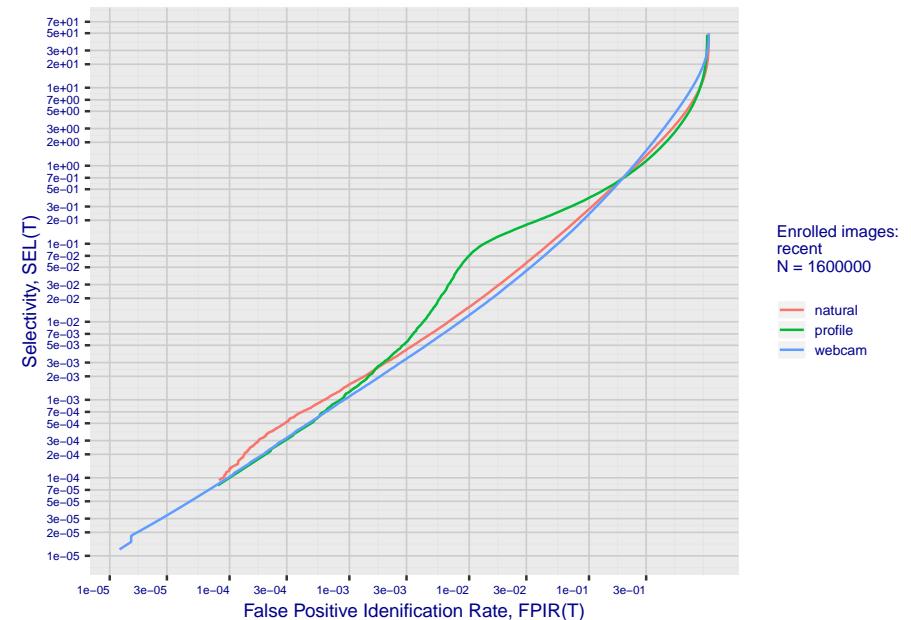
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm everai\_2 2020-03-20 13:18:23

Fig 10: Template duration; search duration vs. N

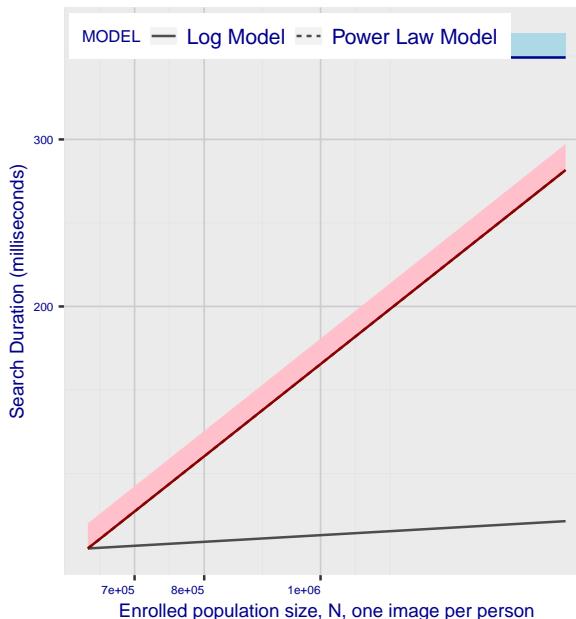
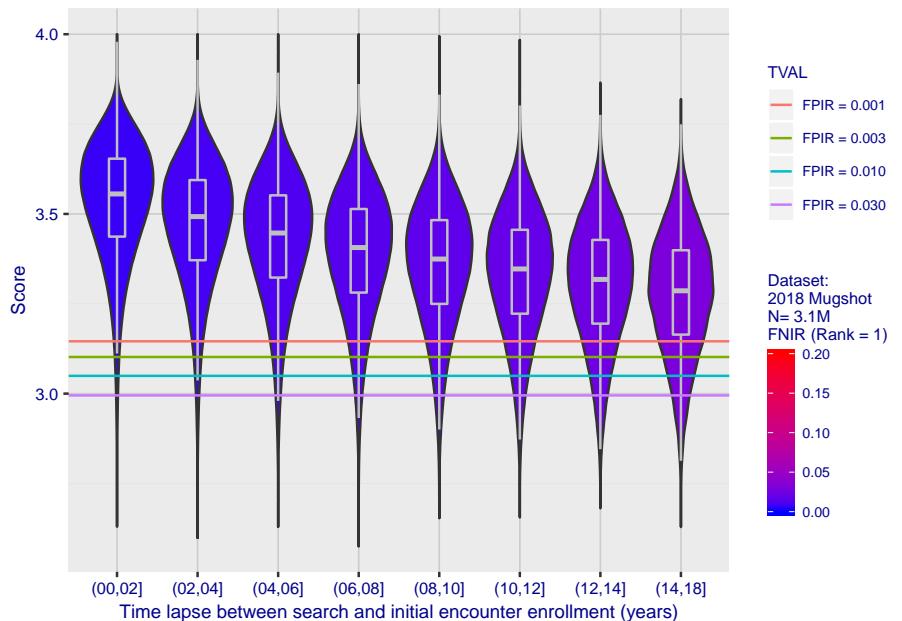


Fig 11: Datasheet

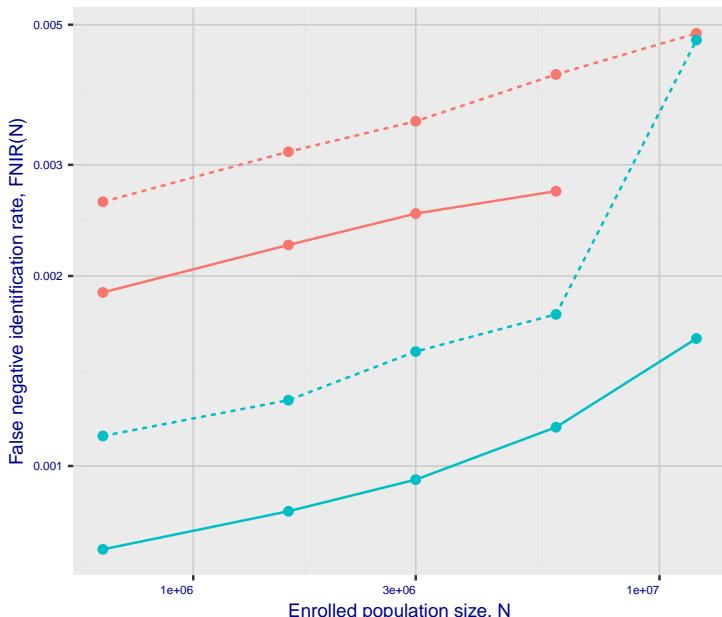
Algorithm:	everai_2
Developer:	Paravision (EverAI)
Submission Date:	2018_10_30
Template size:	2048 bytes
Template time (2.5 percentile):	365 msec
Template time (median):	366 msec
Template time (97.5 percentile):	388 msec
Investigation rank 46 -- FNIR(1600000, 0, 1) = 0.0040 vs. lowest 0.0010 from sensetime_003	
Identification rank 57 -- FNIR(1600000, T, L+1) = 0.0500	
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

Fig 12: Decline of genuine scores with ageing

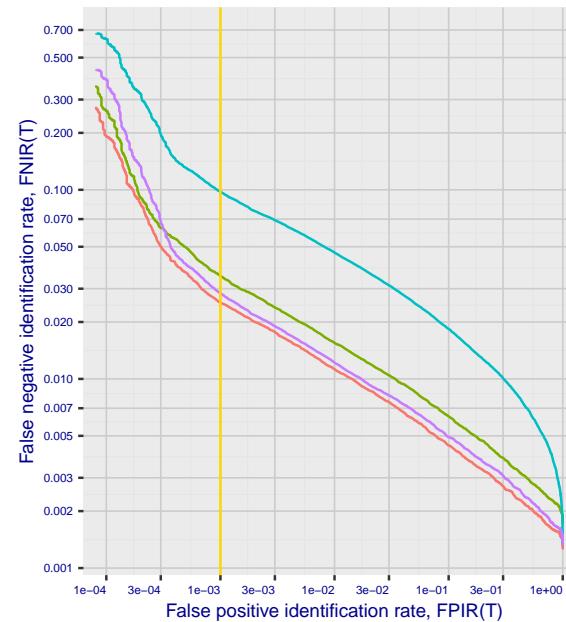


# 1. Report for algorithm everai\_3 2020-03-20 13:18:19

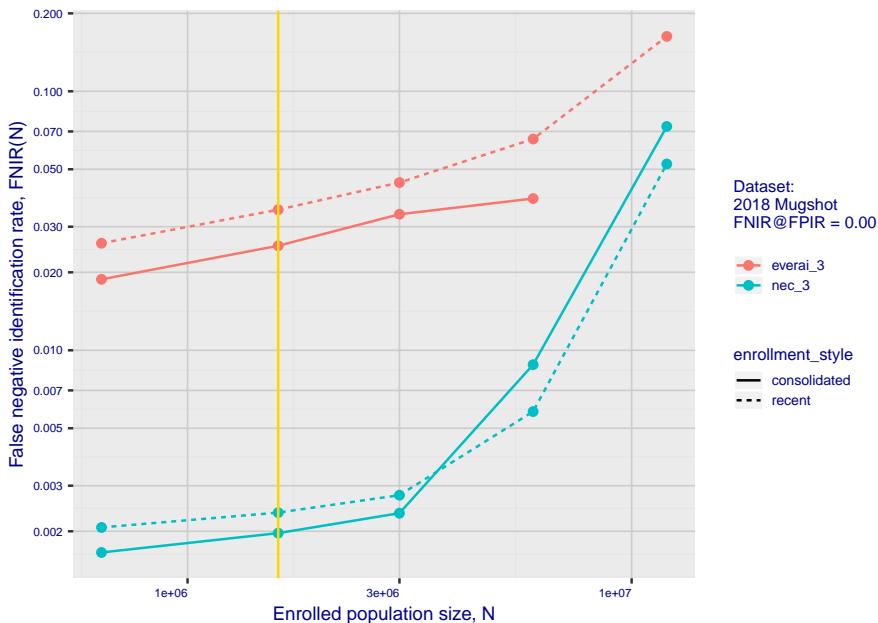
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



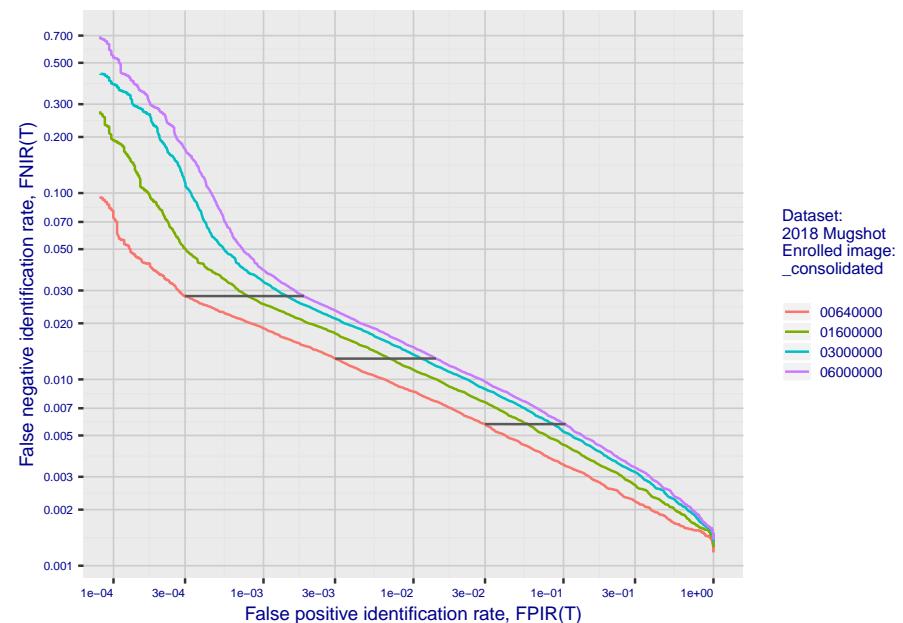
**Fig 2: DETs by enrollment type**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

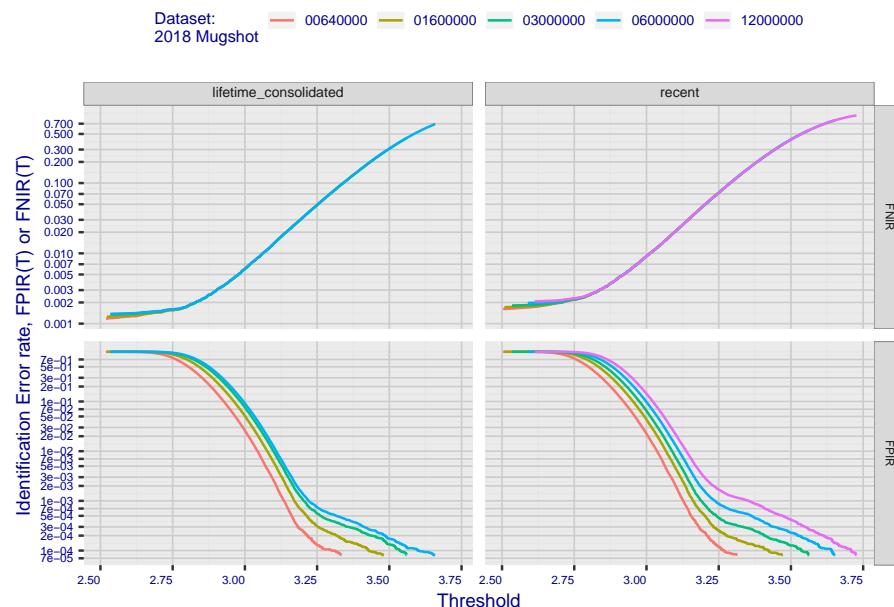


**Fig 4: DET for various N. Links connect points of equal threshold.**

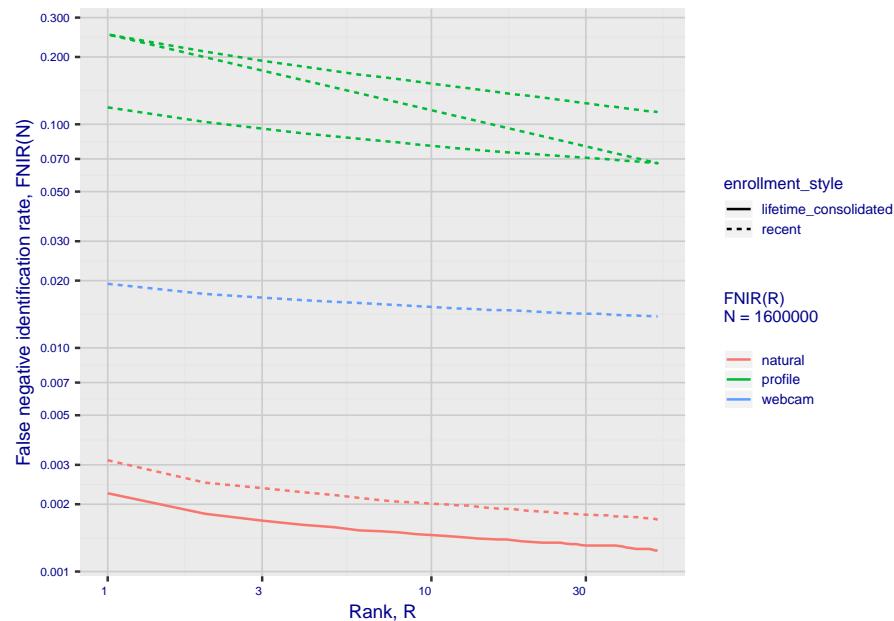


## 2. Report for algorithm everai\_3 2020-03-20 13:18:19

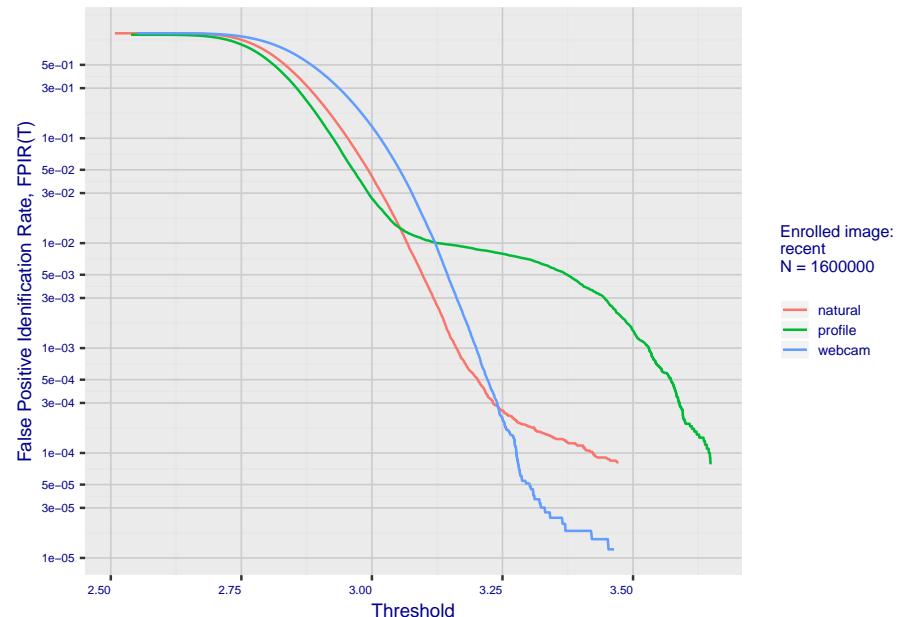
**Fig 5: Dependence on T by number enrolled identities**



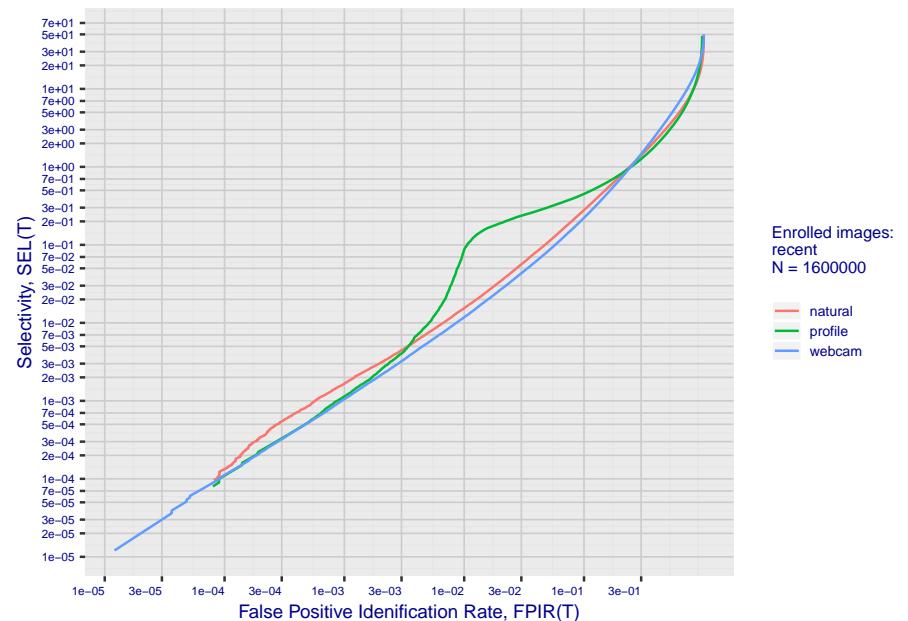
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

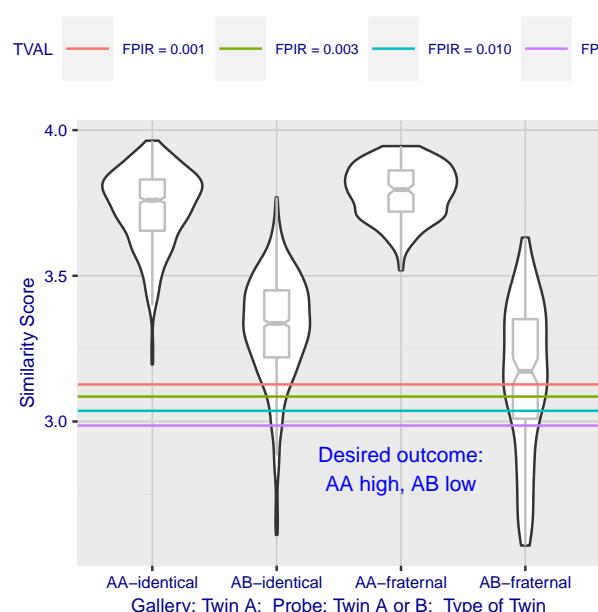


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm everai\_3 2020-03-20 13:18:19

**Fig 9: Solo-Twin and Twin-Twin similarity scores**



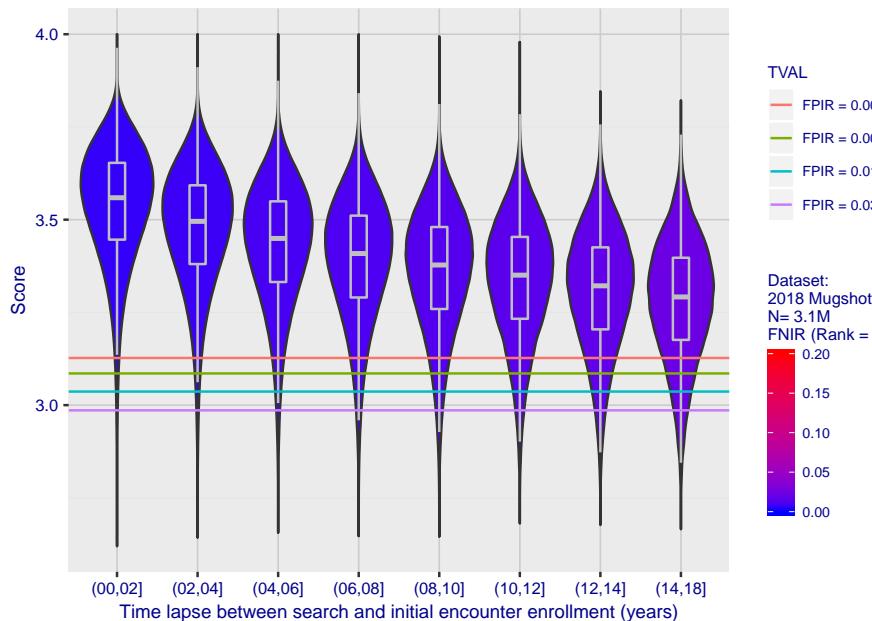
**Fig 10: Template duration; search duration vs. N**



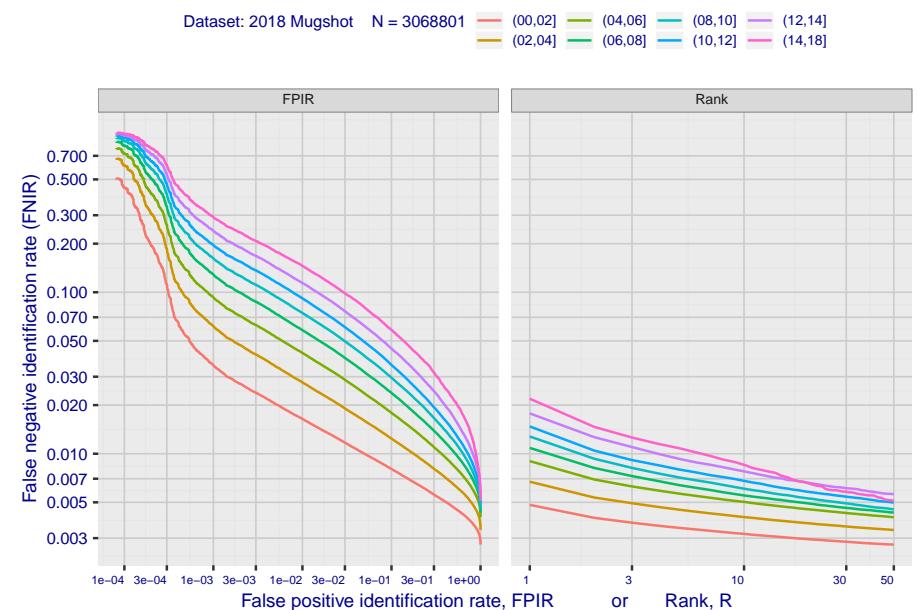
**Fig 11: Datasheet**

Algorithm:	everai_3
Developer:	Paravision (EverAI)
Submission Date:	2018_10_30
Template size:	2048 bytes
Template time (2.5 percentile):	716 msec
Template time (median):	717 msec
Template time (97.5 percentile):	794 msec
Investigation rank 31 --- FNIR(1600000, 0, 1) = 0.0031 vs. lowest 0.0010 from sensetime_003	
Identification rank 34 --- FNIR(1600000, T, L+1) = 0.0349	
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

**Fig 12: Decline of genuine scores with ageing**

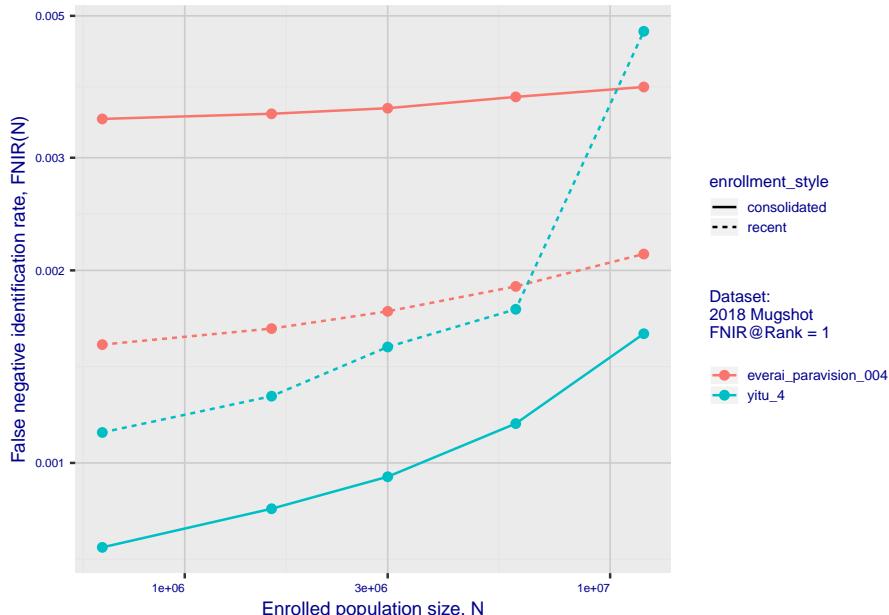


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

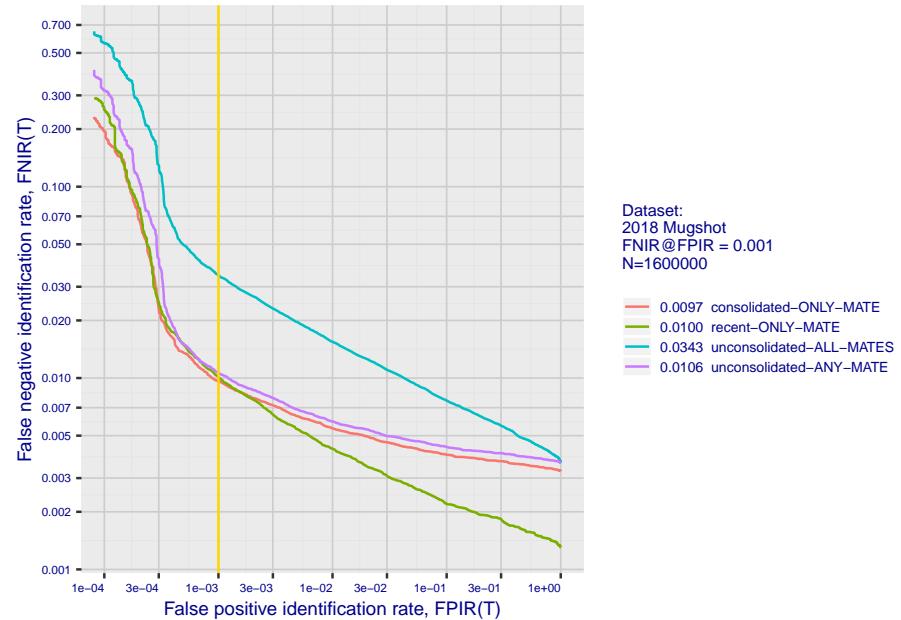


# 1. Report for algorithm everai\_paravision\_004 2020-03-20 13:22:03

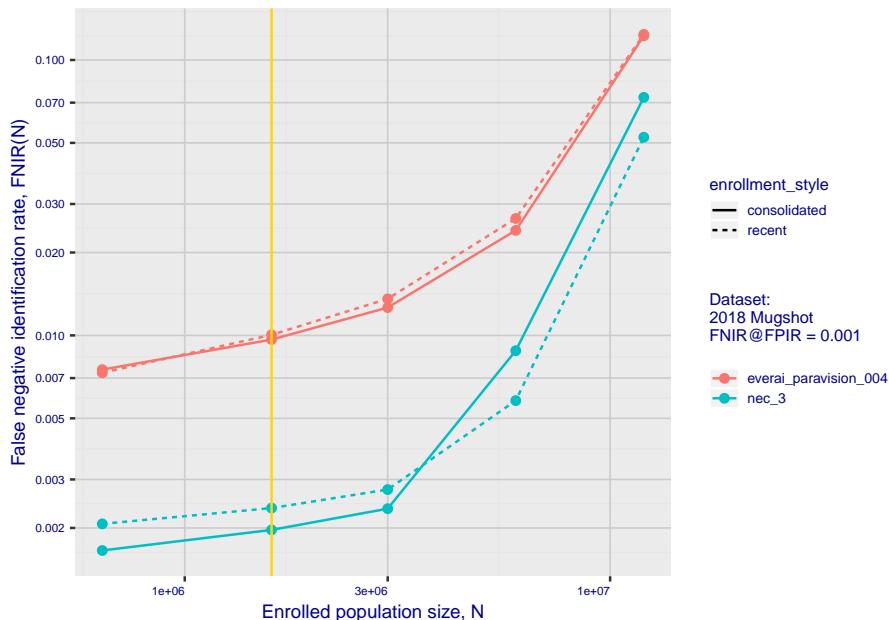
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



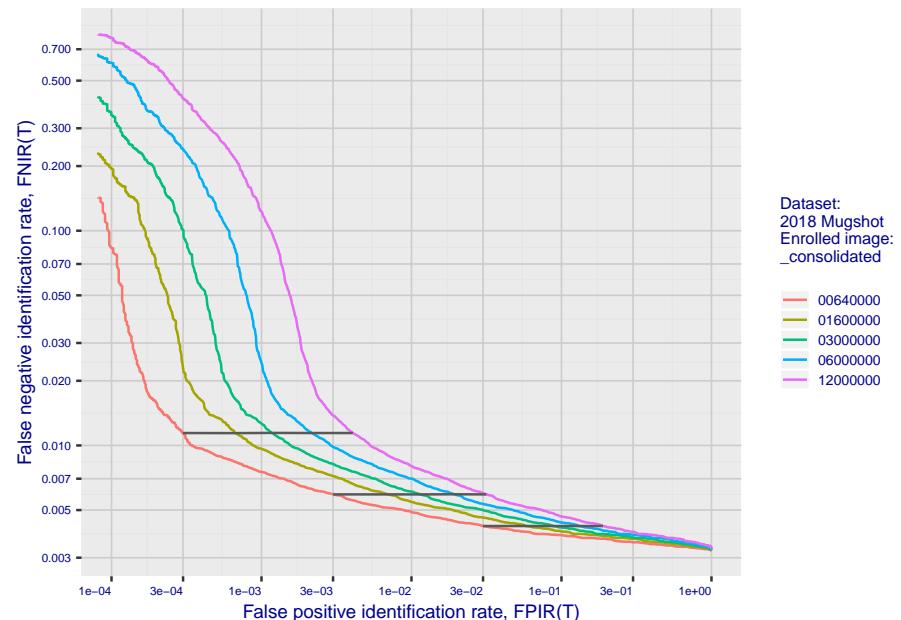
**Fig 2: DETs by enrollment type**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

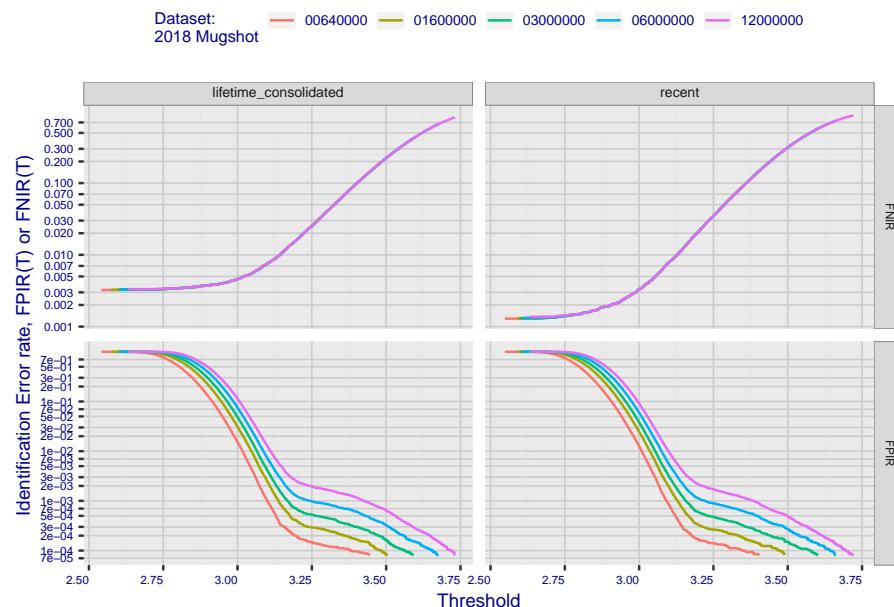


**Fig 4: DET for various N. Links connect points of equal threshold.**

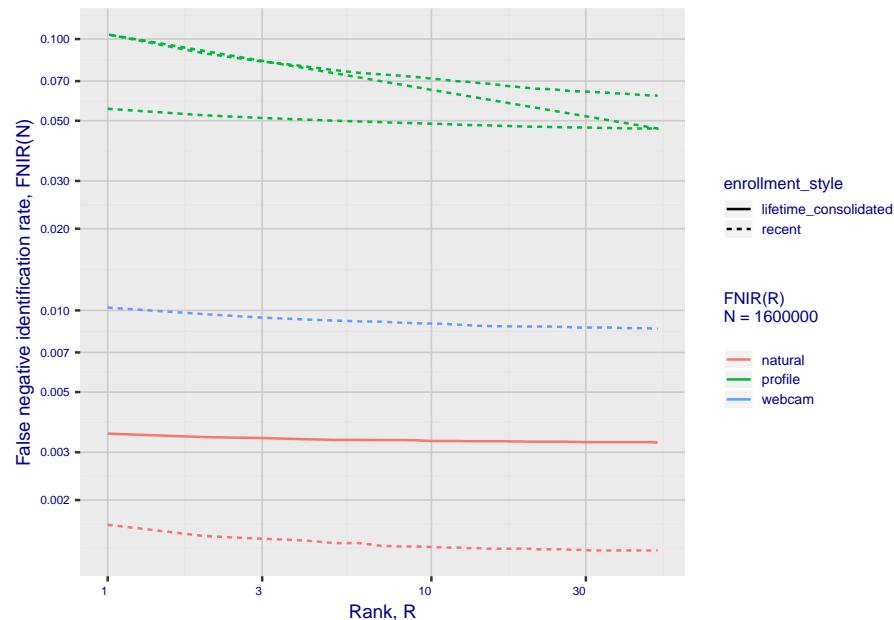


## 2. Report for algorithm everai\_paravision\_004 2020-03-20 13:22:03

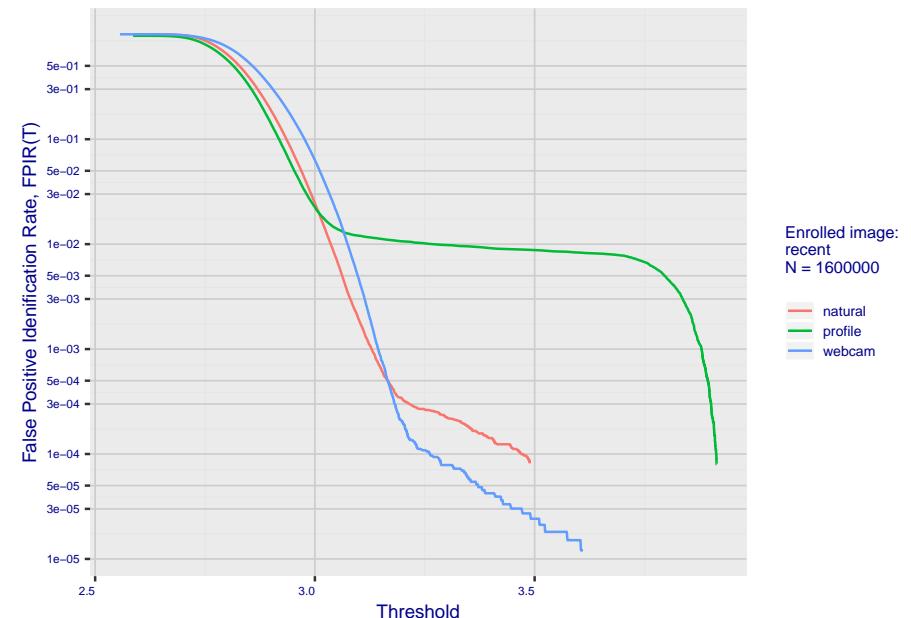
**Fig 5: Dependence on T by number enrolled identities**



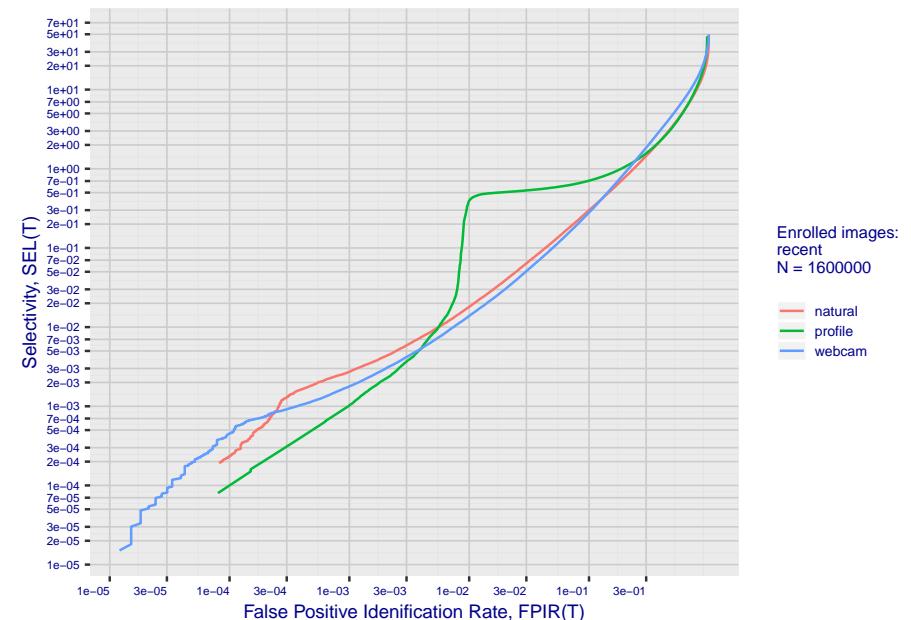
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

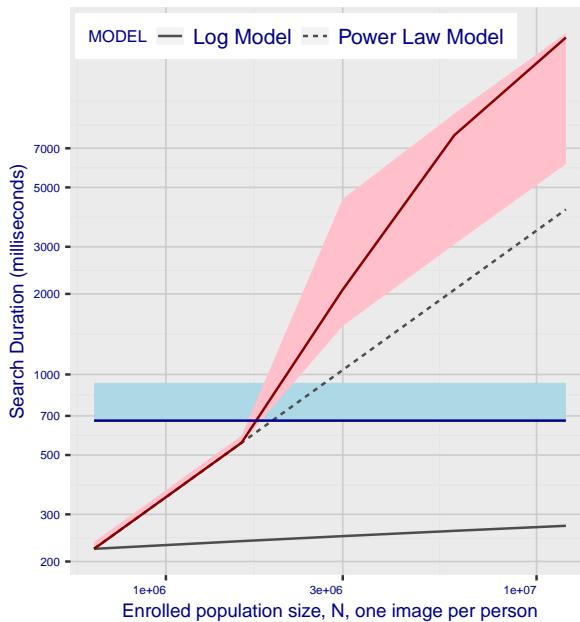


**Fig 8: FPIR vs. Selectivity**

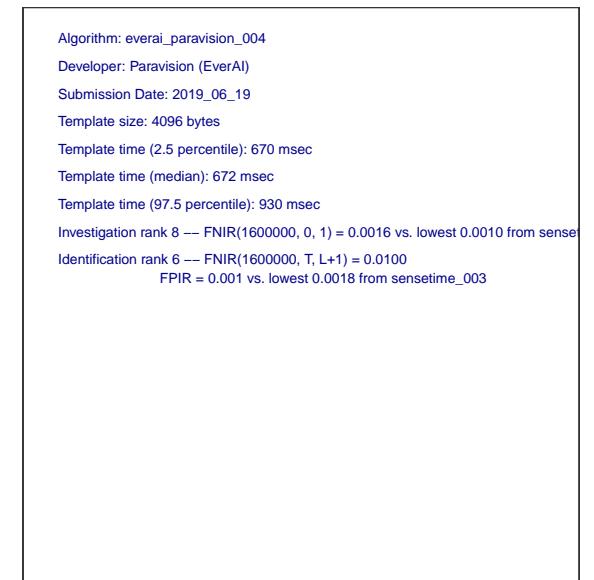


### 3. Report for algorithm everai\_paravision\_004 2020-03-20 13:22:03

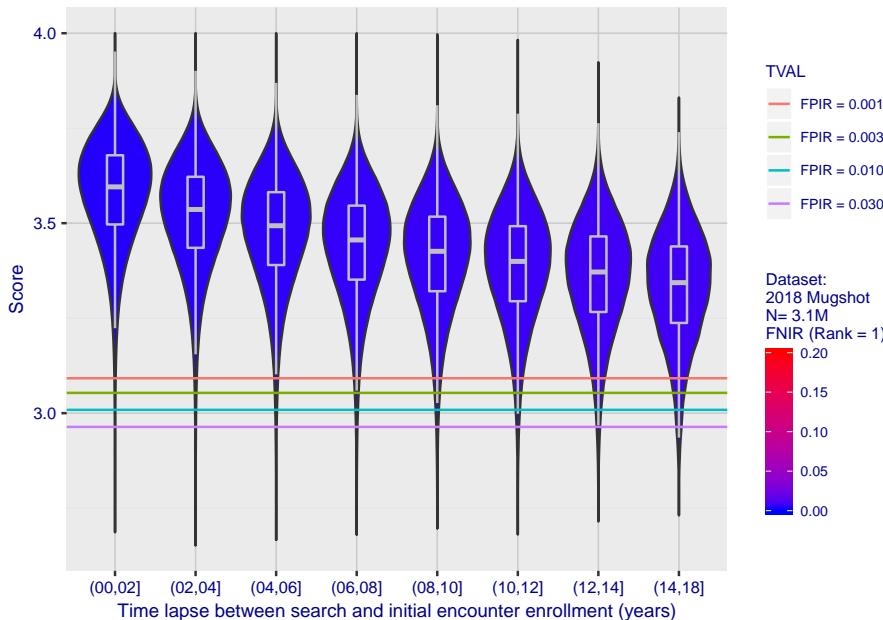
**Fig 10: Template duration; search duration vs. N**



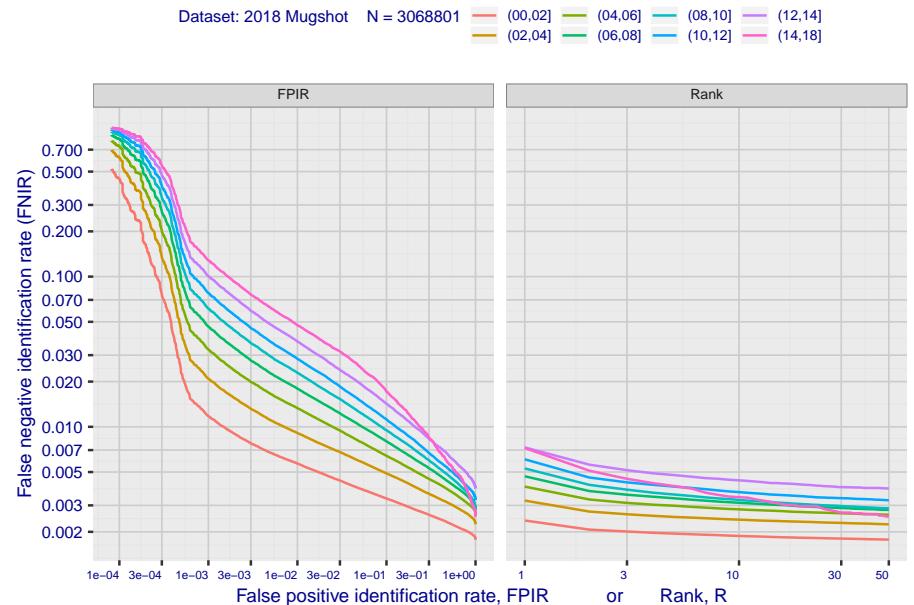
**Fig 11: Datasheet**



**Fig 12: Decline of genuine scores with ageing**

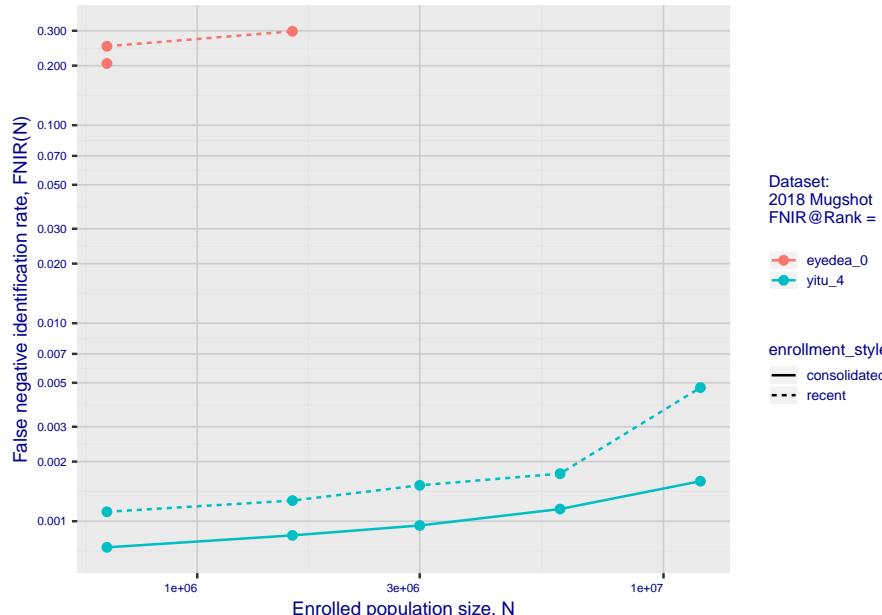


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

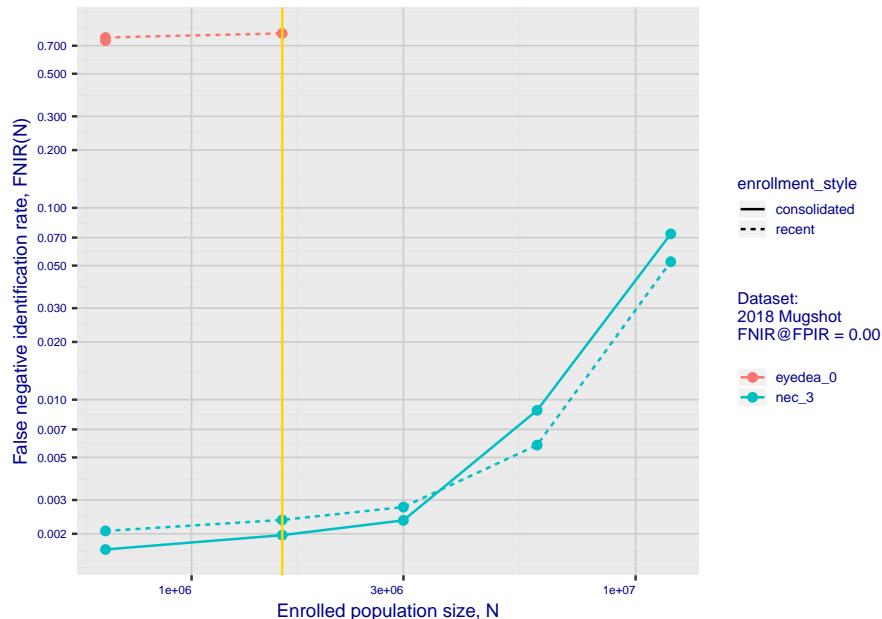


# 1. Report for algorithm eyedea\_0 2020-03-20 13:16:38

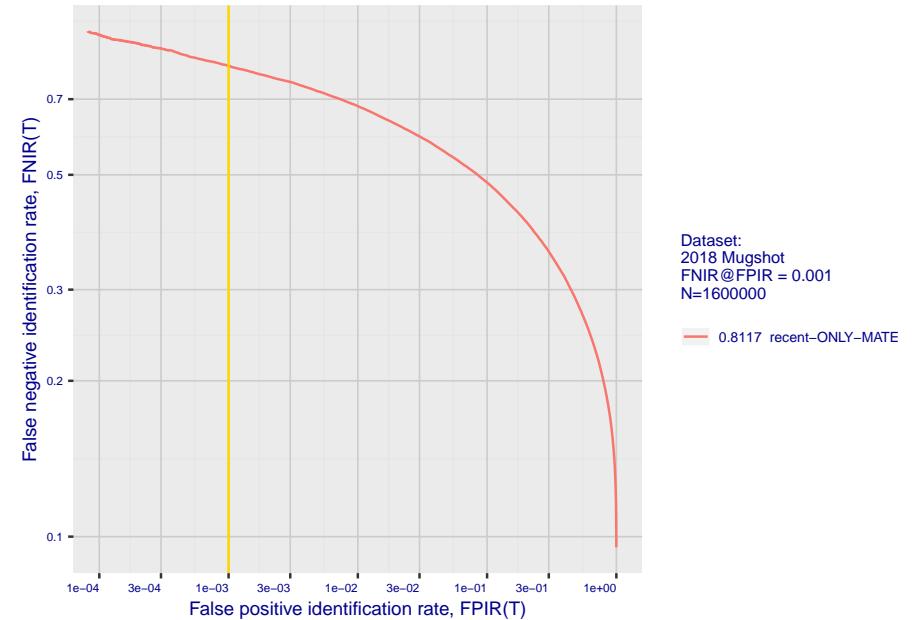
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



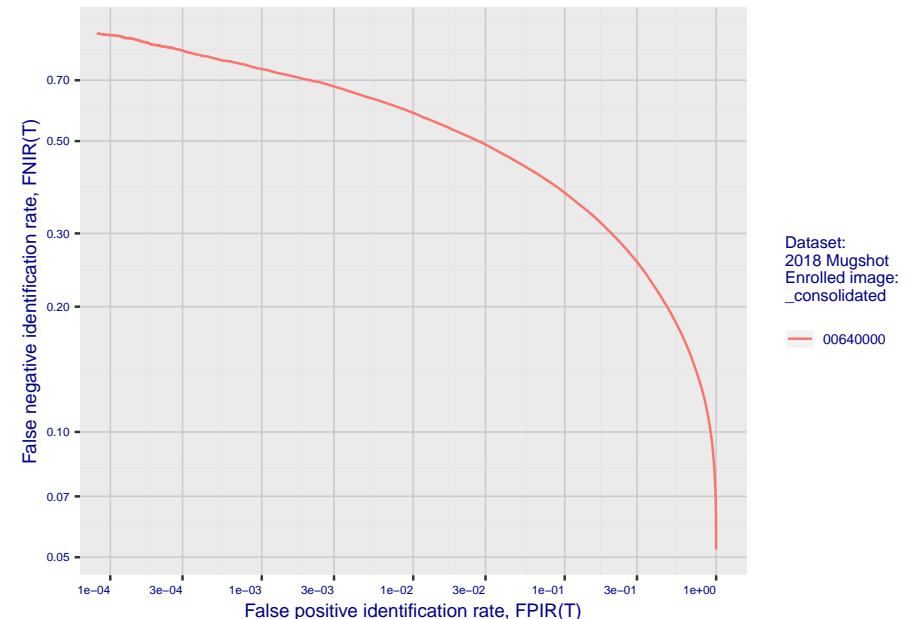
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

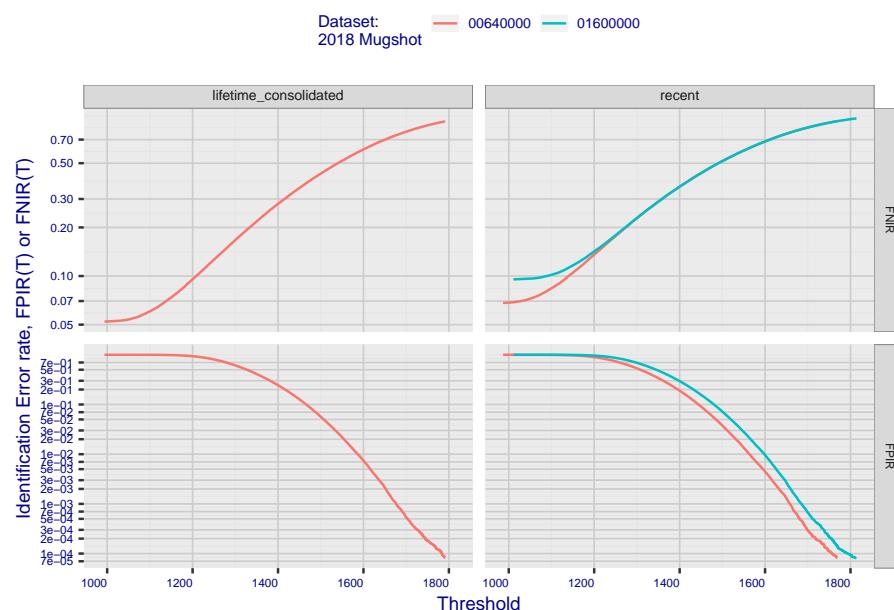


**Fig 4: DET for various N. Links connect points of equal threshold.**

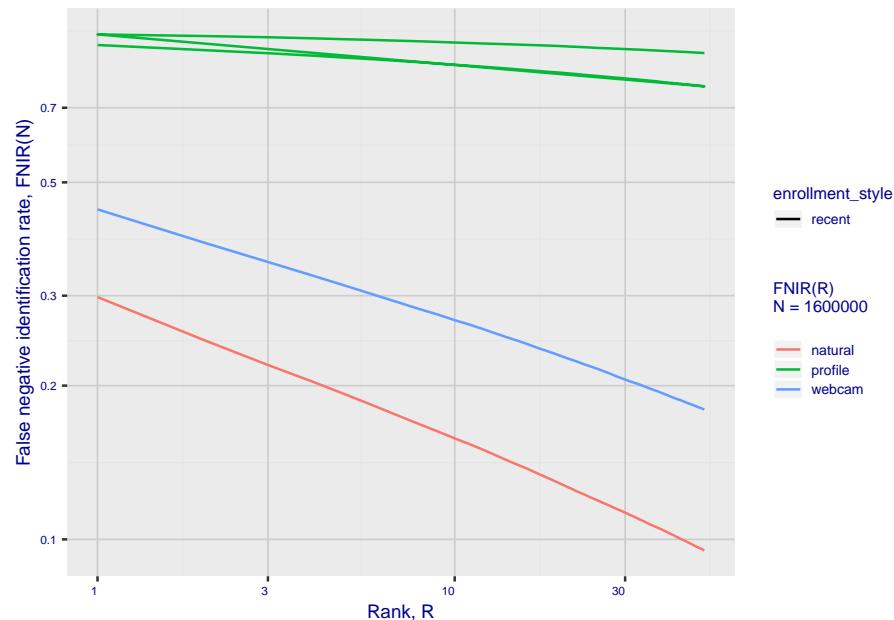


## 2. Report for algorithm eyedea\_0 2020-03-20 13:16:38

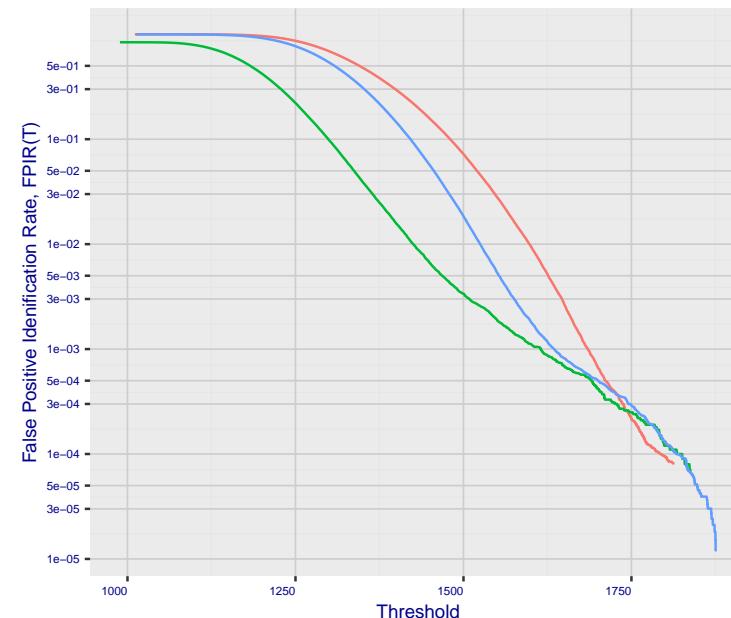
**Fig 5: Dependence on T by number enrolled identities**



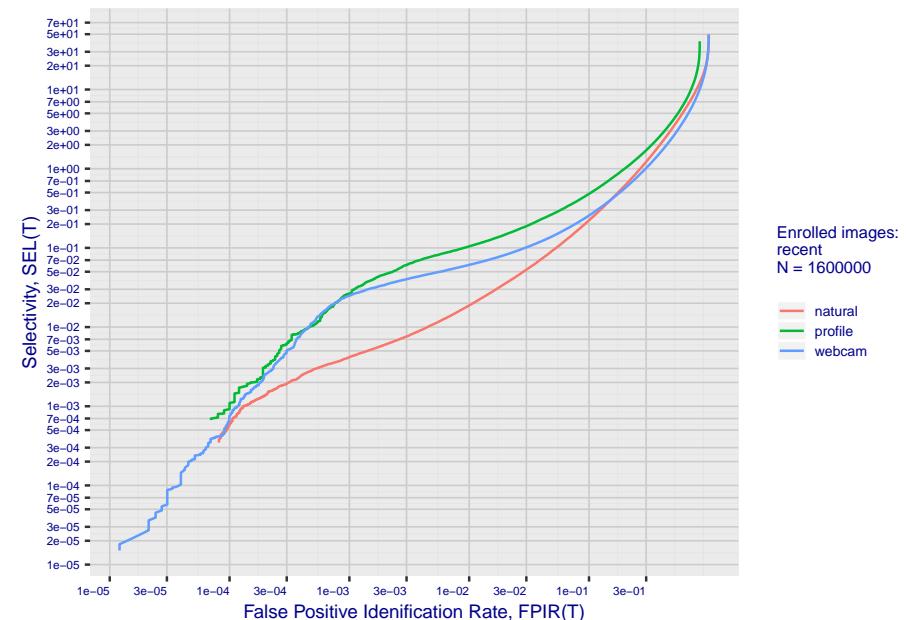
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm eyedea\_0 2020-03-20 13:16:38

Fig 10: Template duration; search duration vs. N

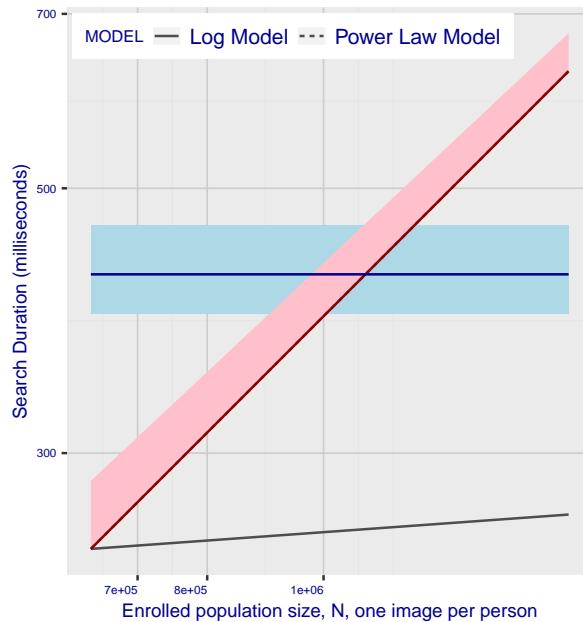
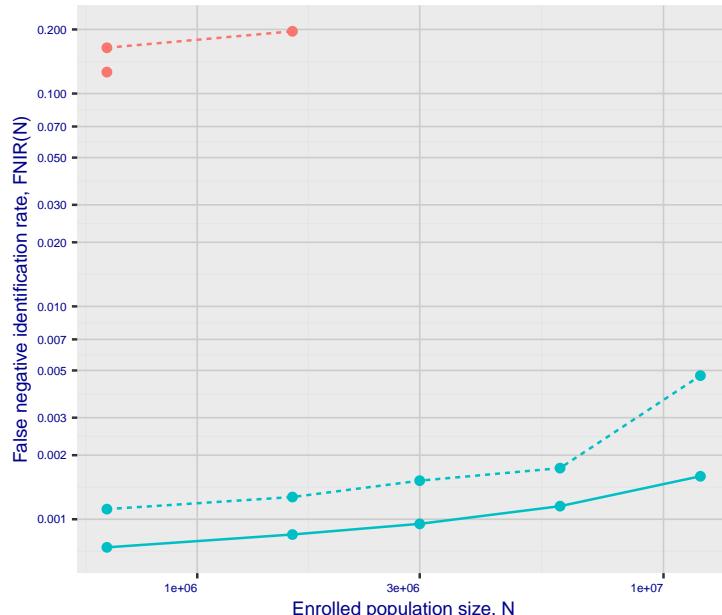


Fig 11: Datasheet

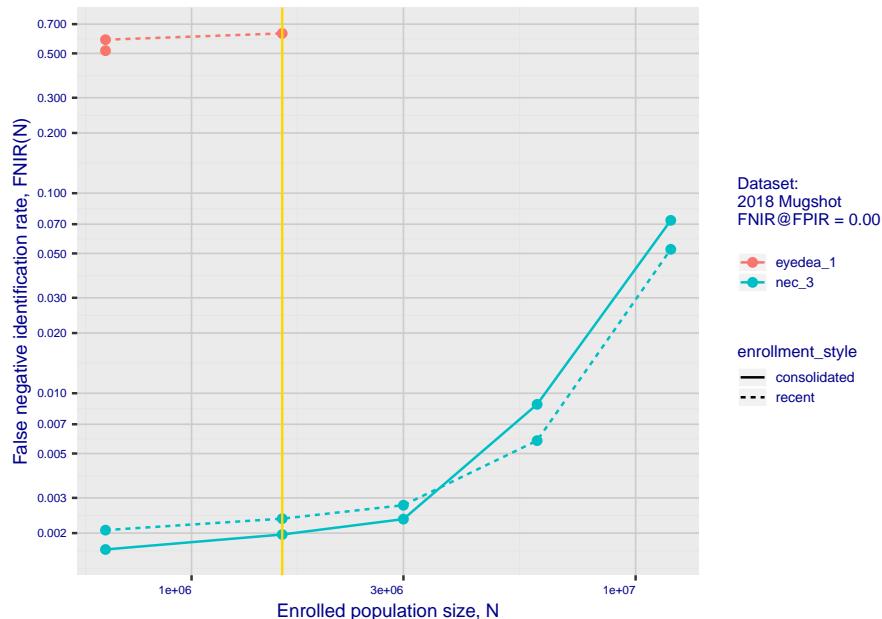
Algorithm:	eyedea_0
Developer:	Eyedea Recognition
Submission Date:	2018_02_16
Template size:	4152 bytes
Template time (2.5 percentile):	393 msec
Template time (median):	424 msec
Template time (97.5 percentile):	465 msec
Investigation rank 220 -- FNIR(1600000, 0, 1) = 0.2981 vs. lowest 0.0010 from sensetime_003	
Identification rank 215 -- FNIR(1600000, T, L+1) = 0.8117	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm eyedea\_1 2020-03-20 13:16:40

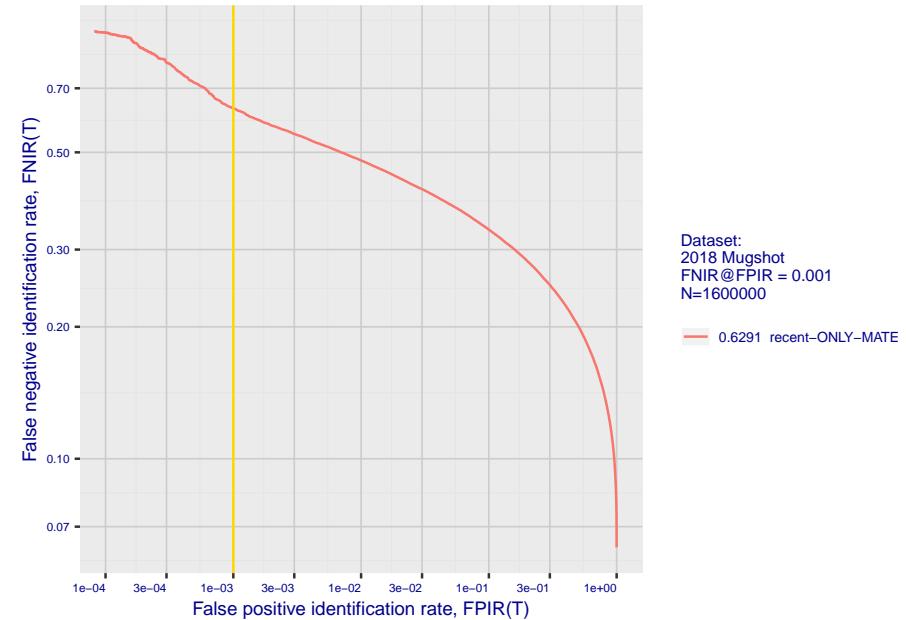
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



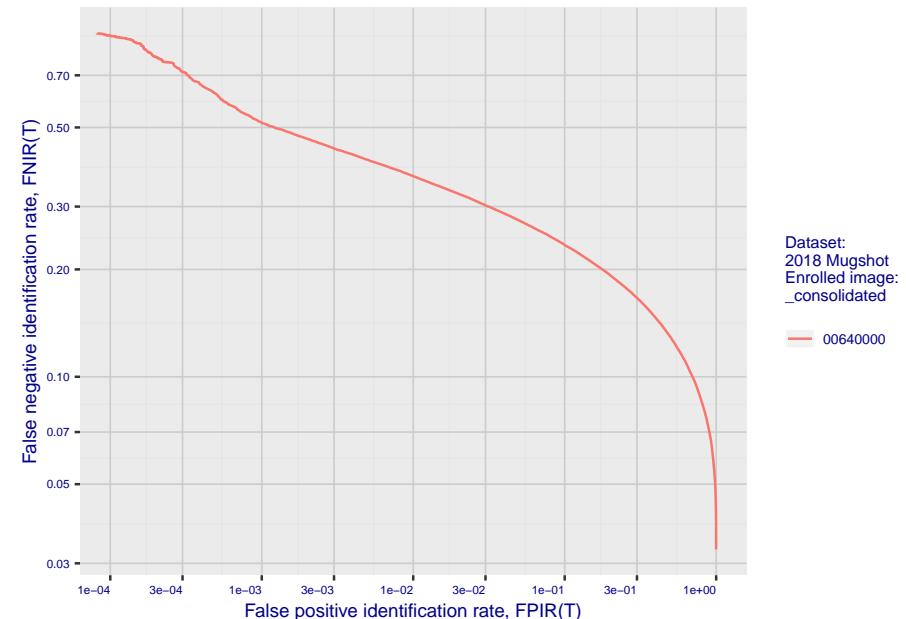
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

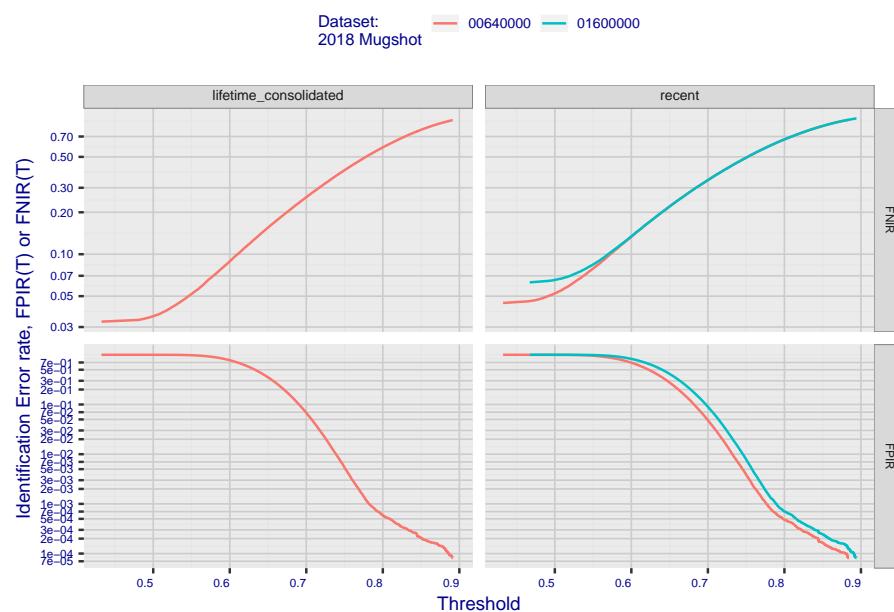


**Fig 4: DET for various N. Links connect points of equal threshold.**

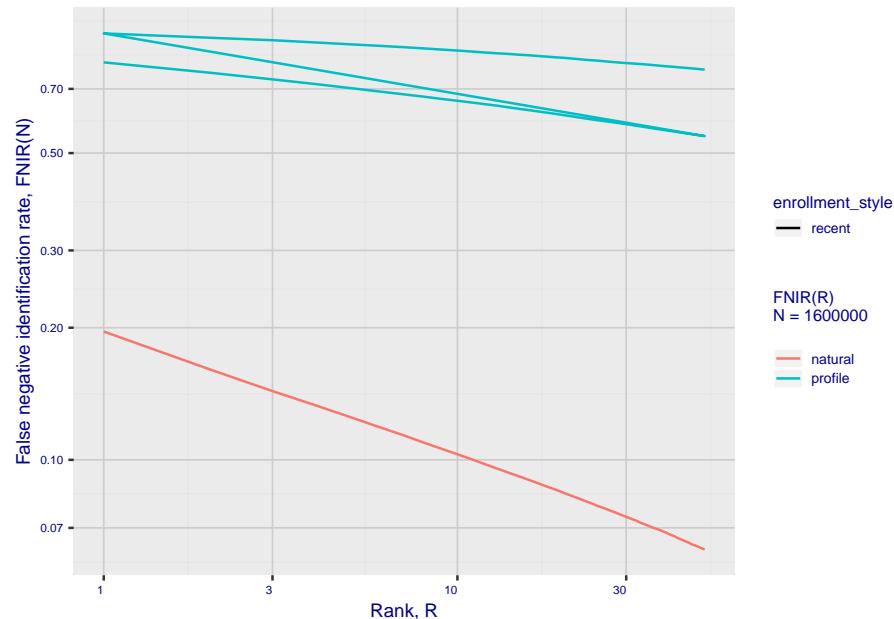


## 2. Report for algorithm eyedea\_1 2020-03-20 13:16:40

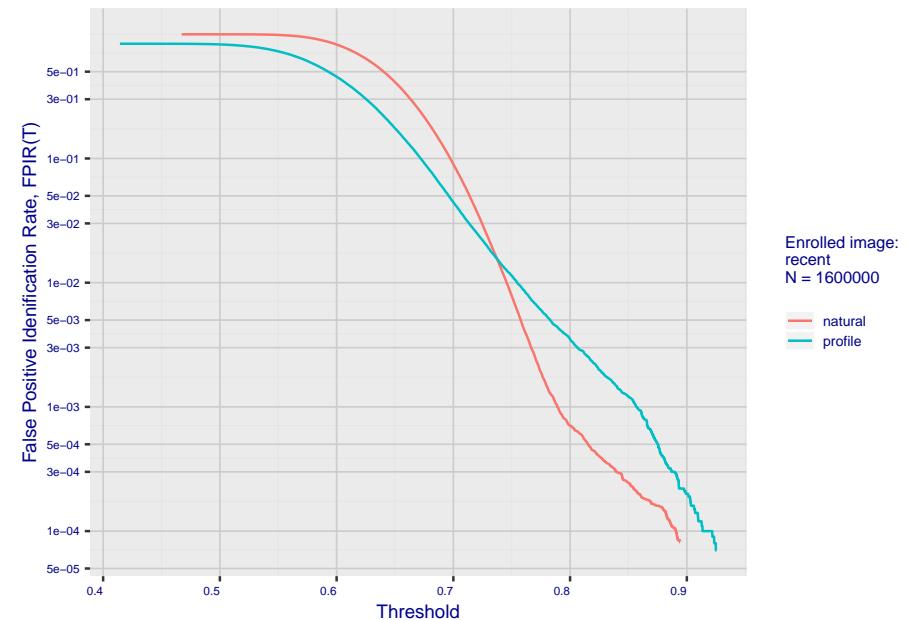
**Fig 5: Dependence on T by number enrolled identities**



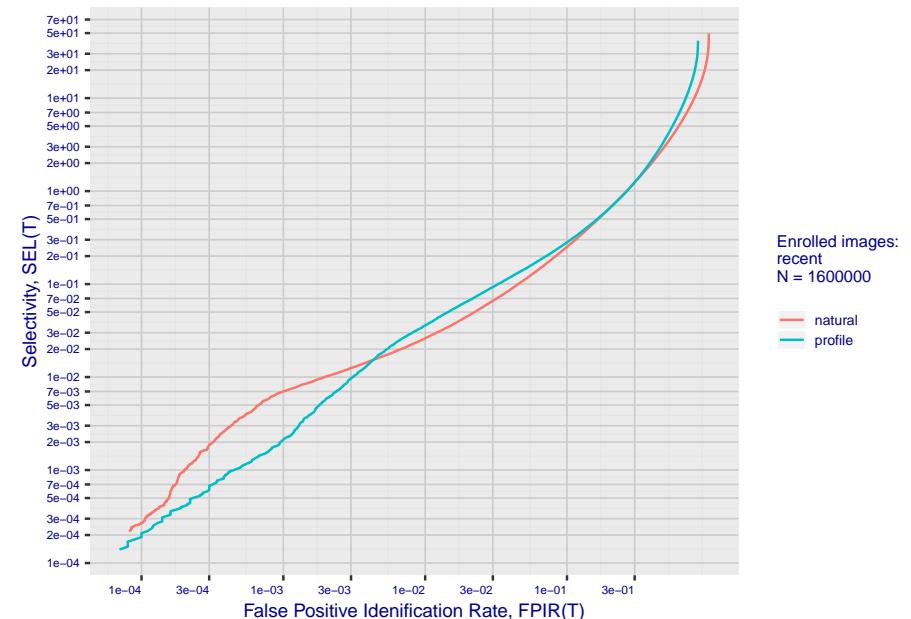
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm eyede\_1 2020-03-20 13:16:40

Fig 10: Template duration; search duration vs. N

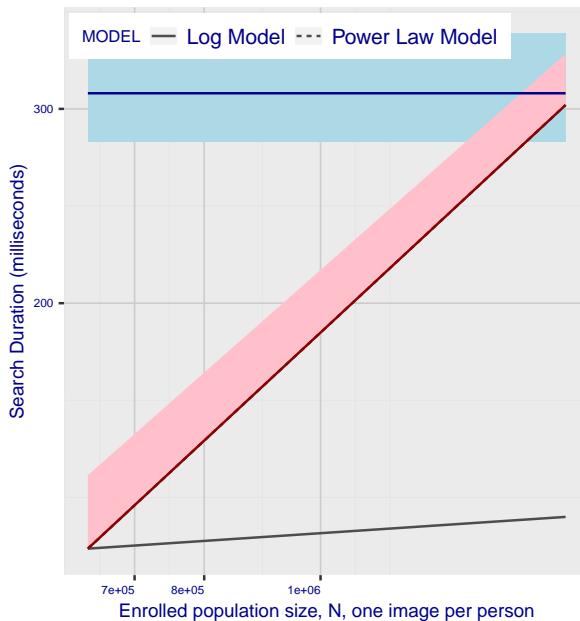
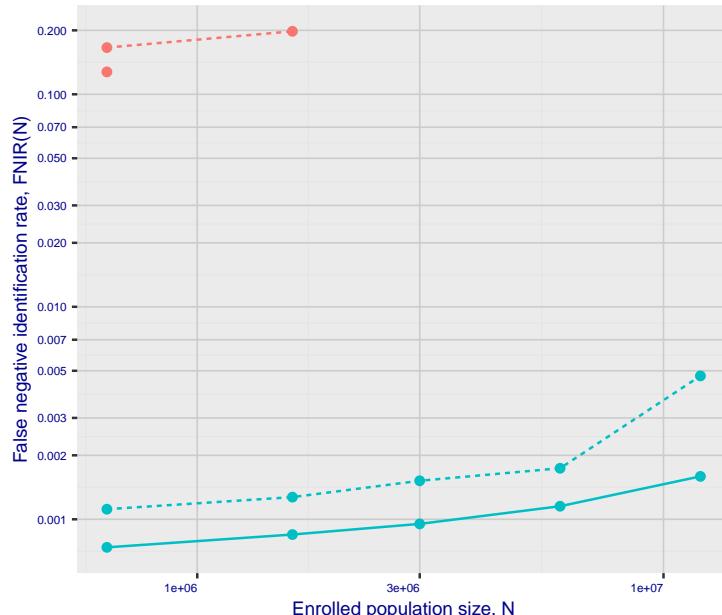


Fig 11: Datasheet

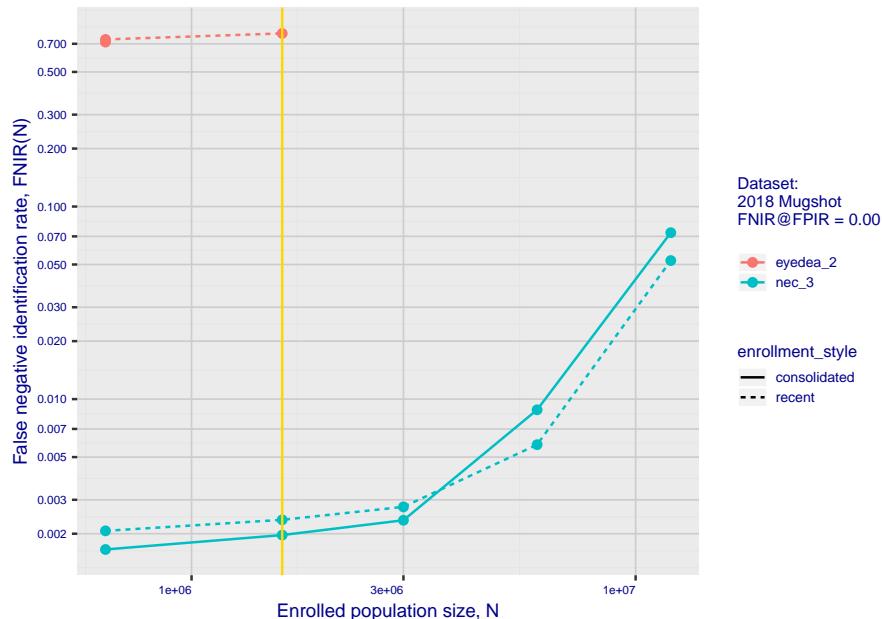
Algorithm: eyede_1
Developer: Eyedea Recognition
Submission Date: 2018_02_16
Template size: 1036 bytes
Template time (2.5 percentile): 280 msec
Template time (median): 310 msec
Template time (97.5 percentile): 351 msec
Investigation rank 208 -- FNIR(1600000, 0, 1) = 0.1960 vs. lowest 0.0010 from sensetime_003
Identification rank 202 -- FNIR(1600000, T, L+1) = 0.6291
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm eyedea\_2 2020-03-20 13:12:46

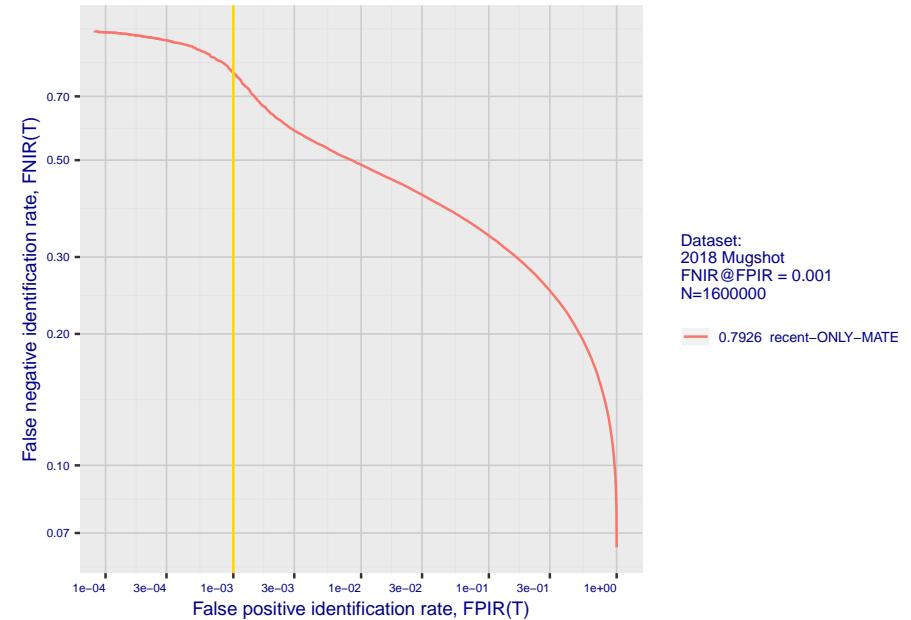
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



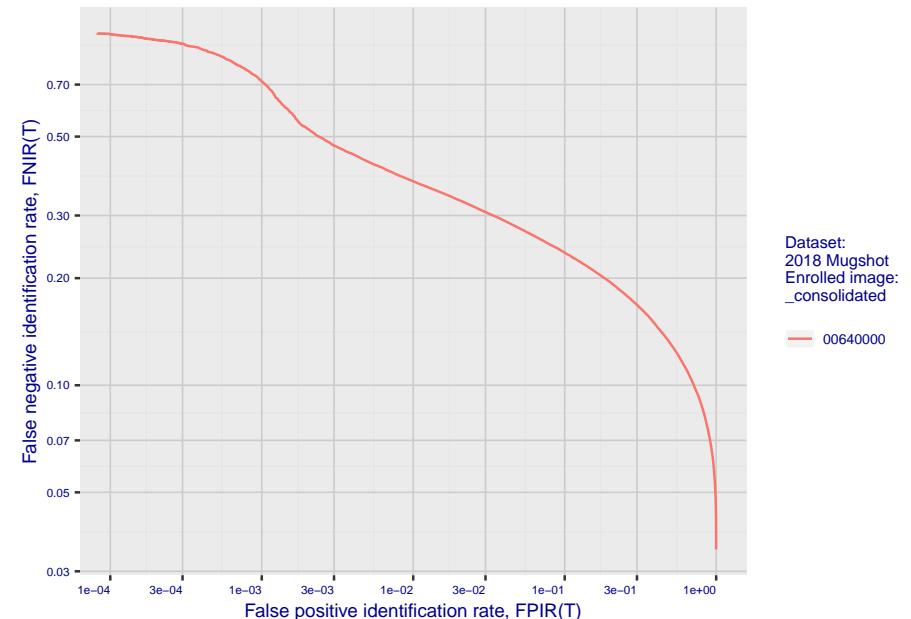
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

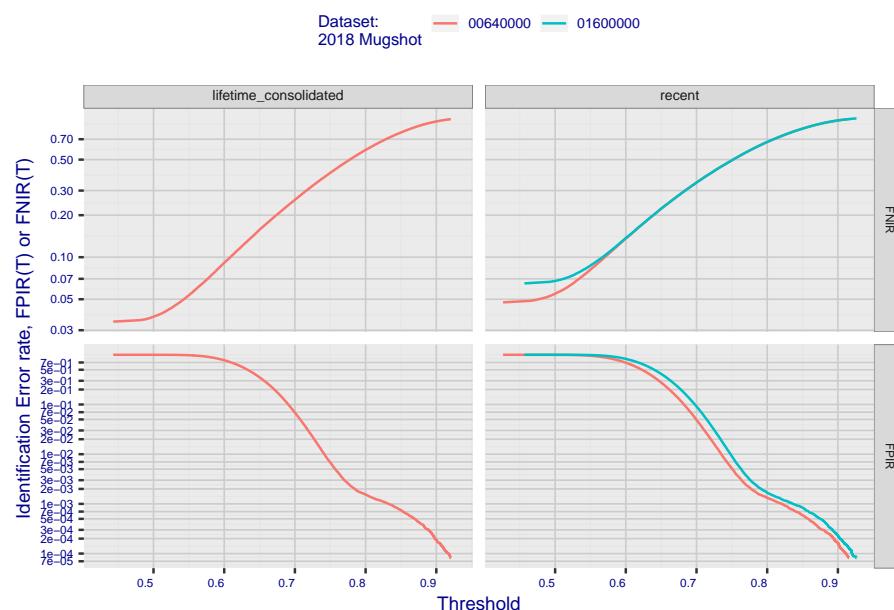


**Fig 4: DET for various N. Links connect points of equal threshold.**

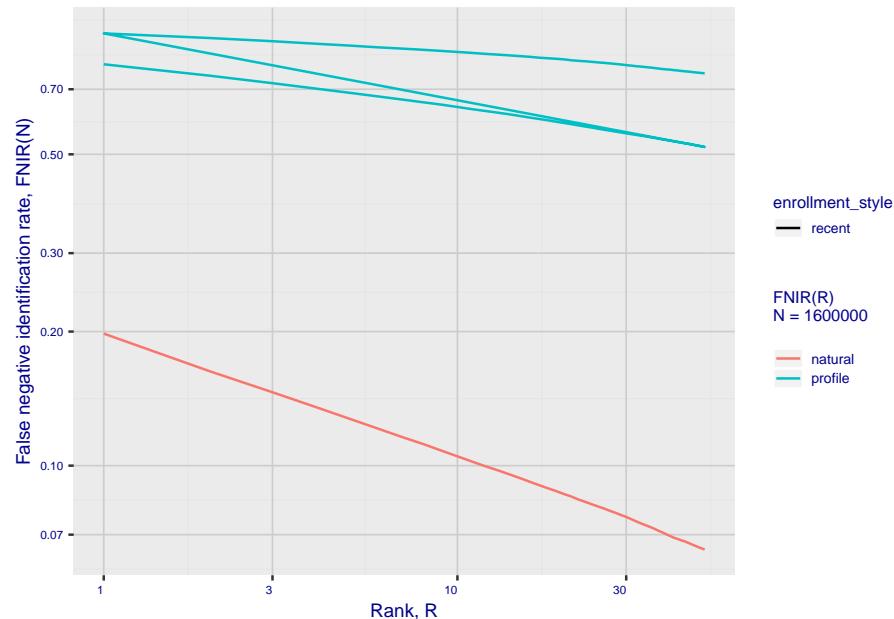


## 2. Report for algorithm eyedea\_2 2020-03-20 13:12:46

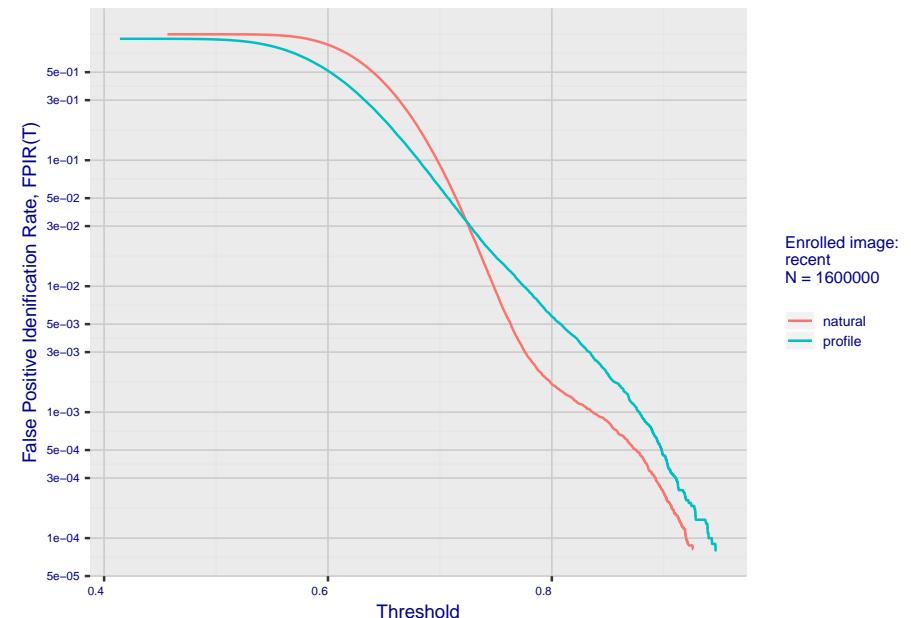
**Fig 5: Dependence on T by number enrolled identities**



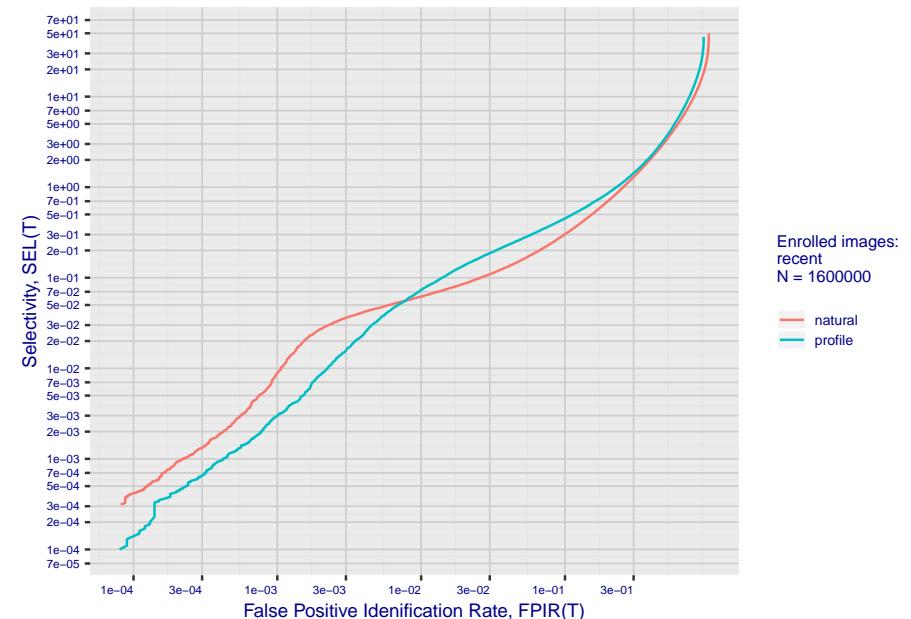
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm eyedea\_2 2020-03-20 13:12:46

Fig 10: Template duration; search duration vs. N

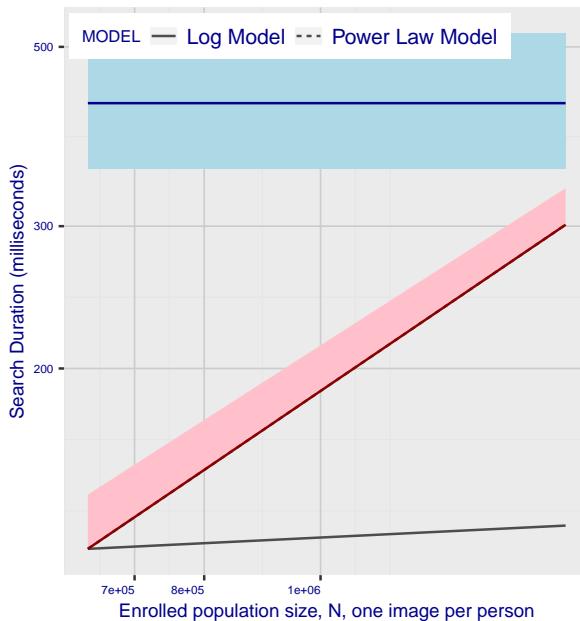
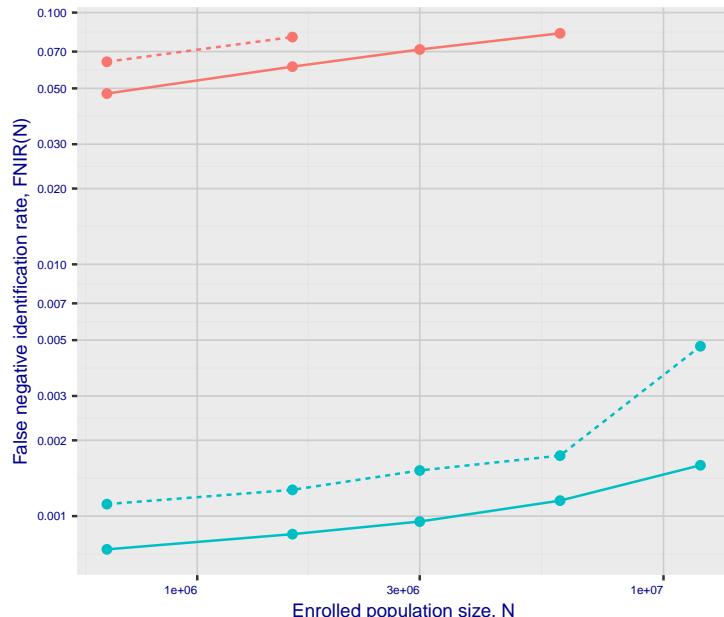


Fig 11: Datasheet

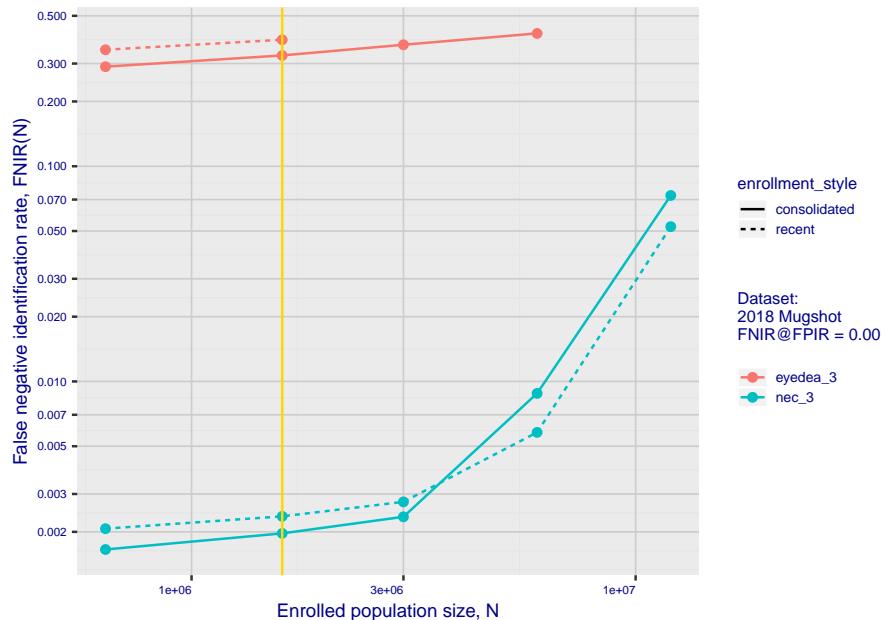
Algorithm:	eyedea_2
Developer:	Eyedea Recognition
Submission Date:	2018_02_16
Template size:	1036 bytes
Template time (2.5 percentile):	353 msec
Template time (median):	426 msec
Template time (97.5 percentile):	520 msec
Investigation rank 209 -- FNIR(160000, 0, 1) = 0.1979 vs. lowest 0.0010 from sensetime_003	
Identification rank 212 -- FNIR(160000, T, L+1) = 0.7926	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm eyedea\_3 2020-03-20 13:12:46

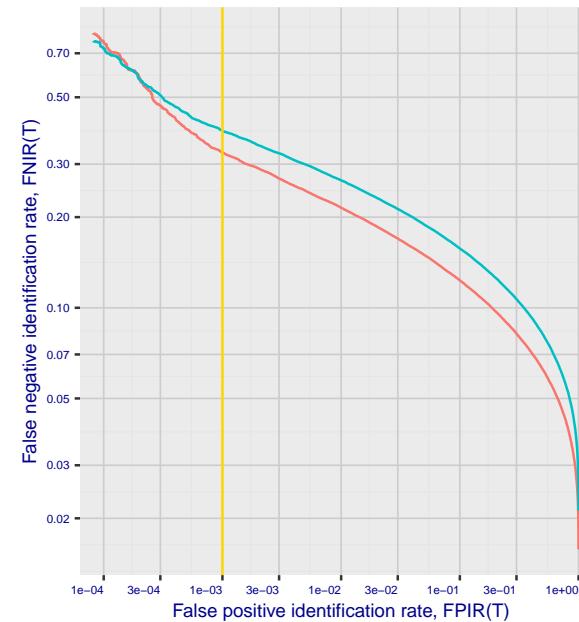
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



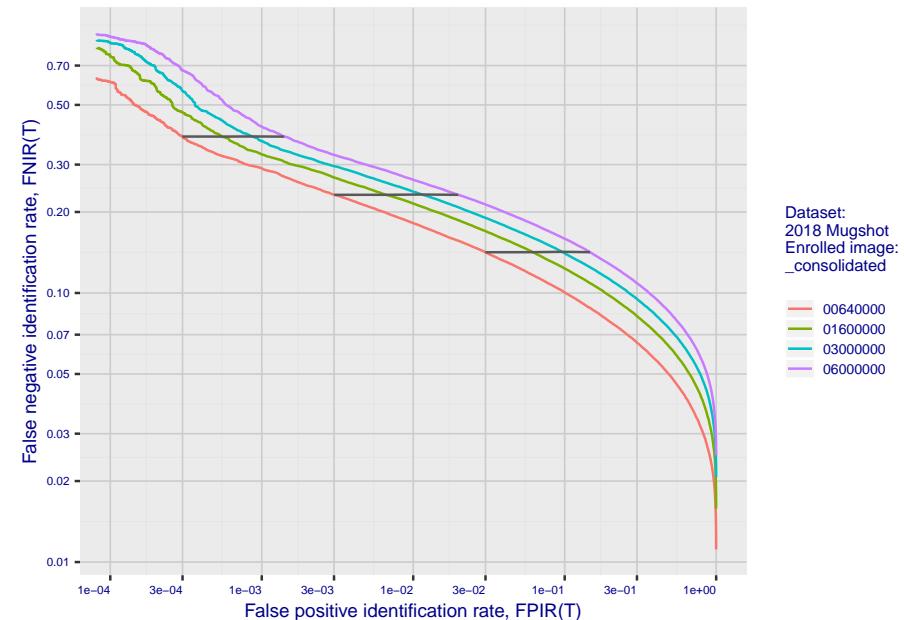
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

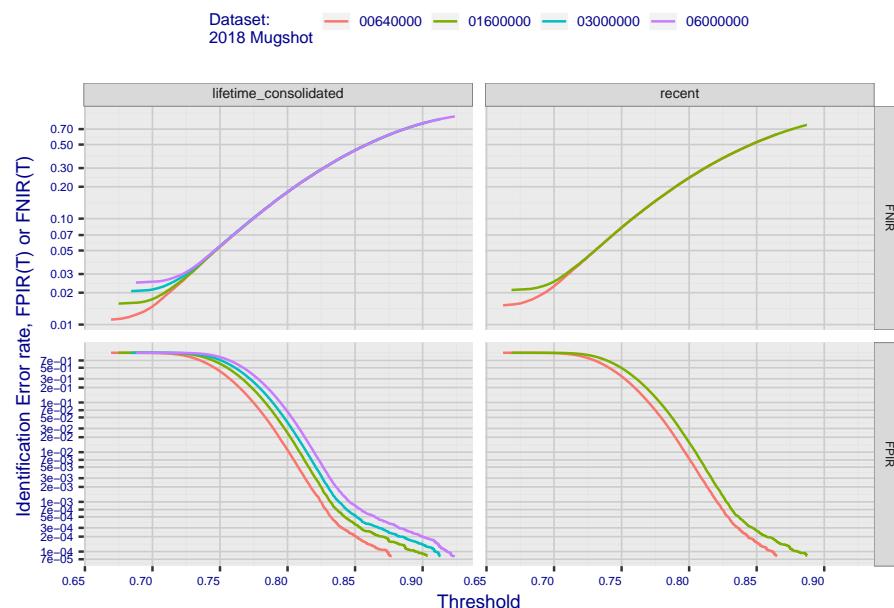


**Fig 4: DET for various N. Links connect points of equal threshold.**

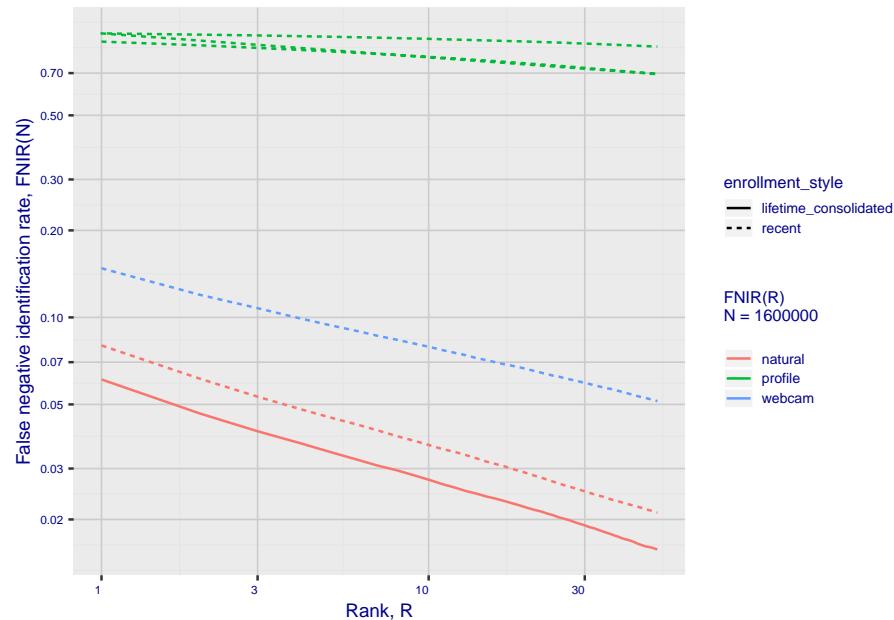


## 2. Report for algorithm eyedea\_3 2020-03-20 13:12:46

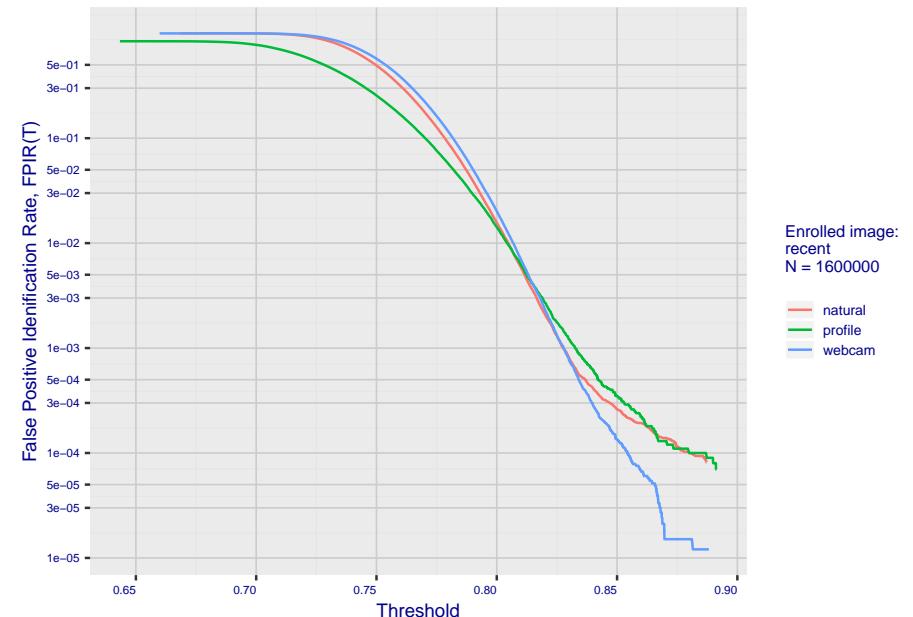
**Fig 5: Dependence on T by number enrolled identities**



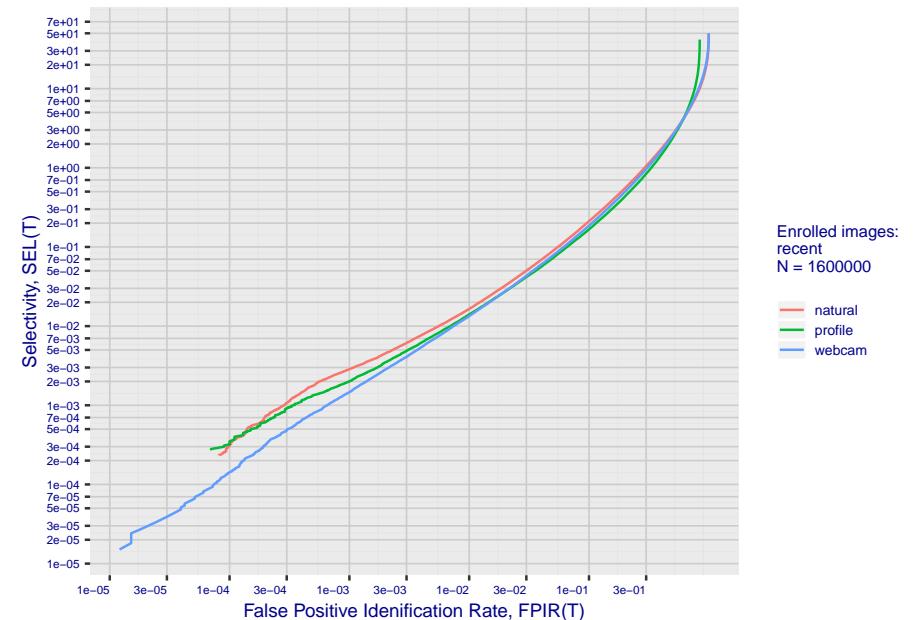
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm eyedea\_3 2020-03-20 13:12:46

Fig 10: Template duration; search duration vs. N

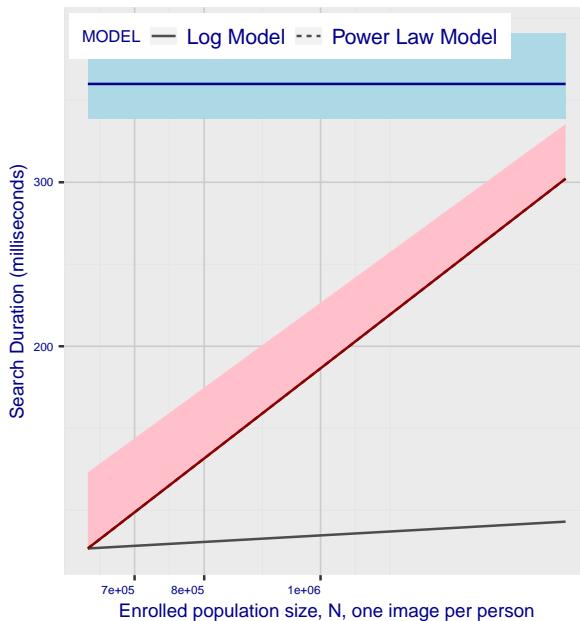
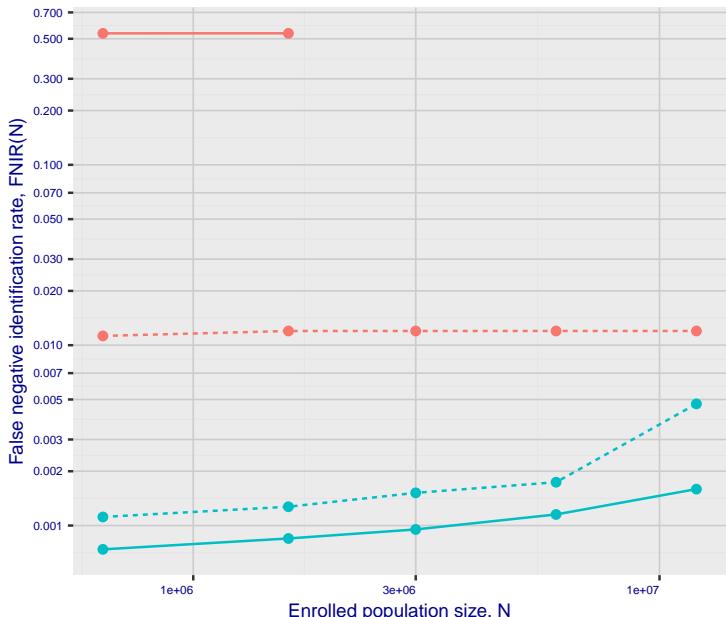


Fig 11: Datasheet

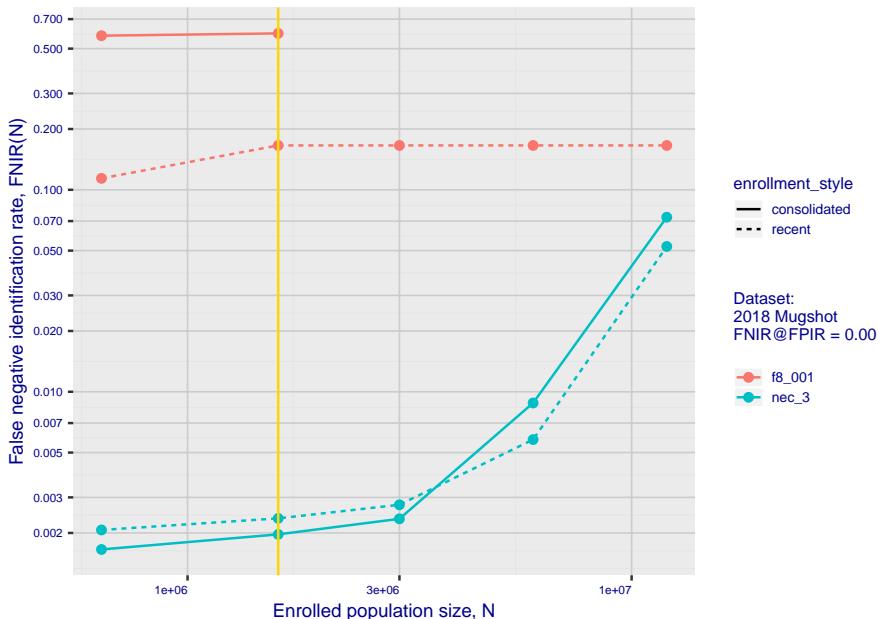
Algorithm: eyedea_3
Developer: Eyedea Recognition
Submission Date: 2018_06_18
Template size: 1036 bytes
Template time (2.5 percentile): 351 msec
Template time (median): 383 msec
Template time (97.5 percentile): 434 msec
Investigation rank 186 -- FNIR(1600000, 0, 1) = 0.0800 vs. lowest 0.0010 from sensetime_003
Identification rank 179 -- FNIR(1600000, T, L+1) = 0.3871
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm f8\_001 2020-03-20 13:16:35

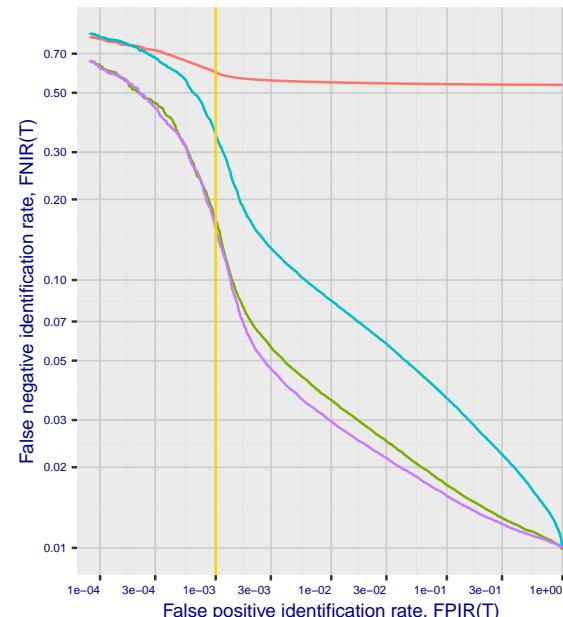
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



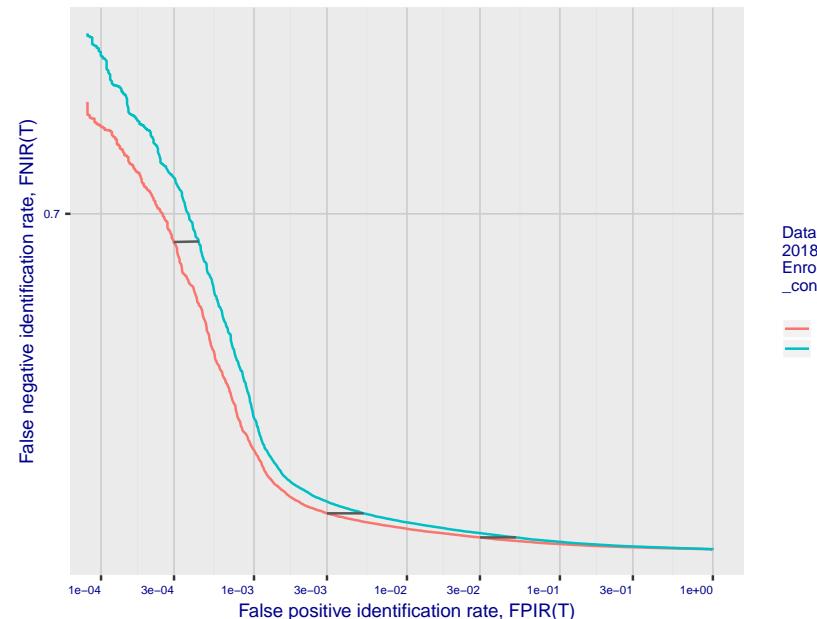
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

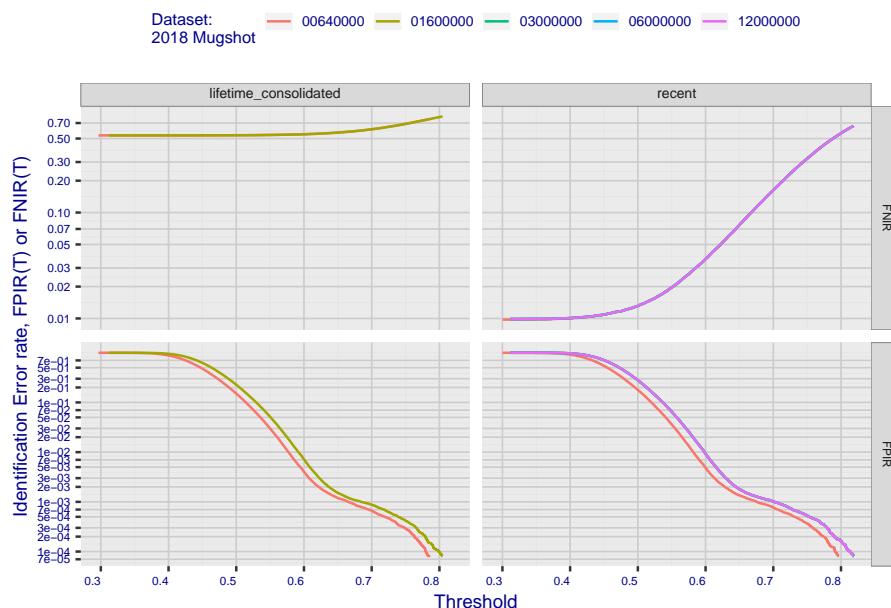


**Fig 4: DET for various N. Links connect points of equal threshold.**

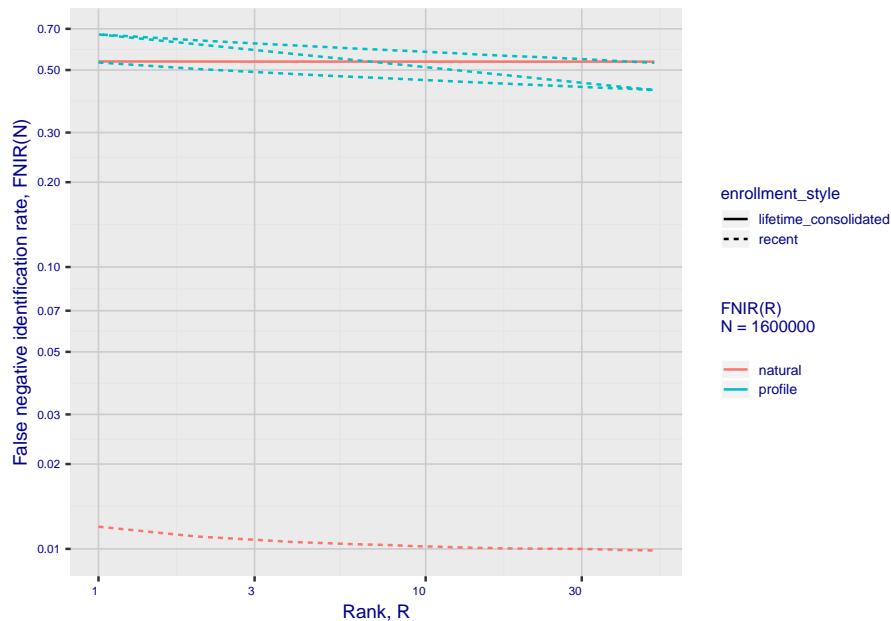


## 2. Report for algorithm f8\_001 2020-03-20 13:16:35

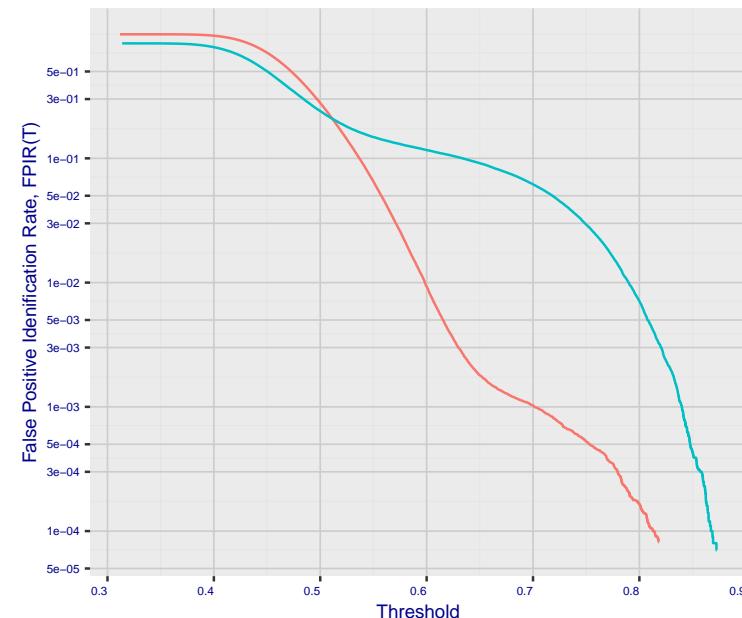
**Fig 5: Dependence on T by number enrolled identities**



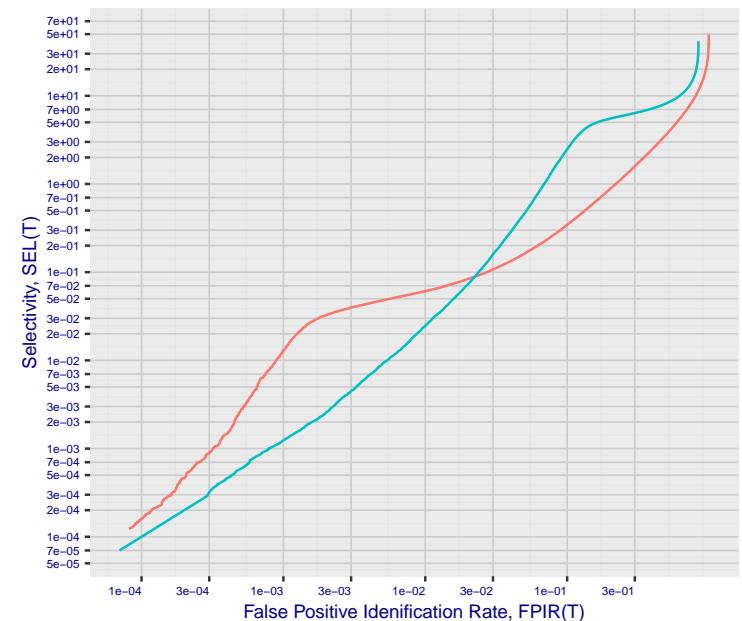
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

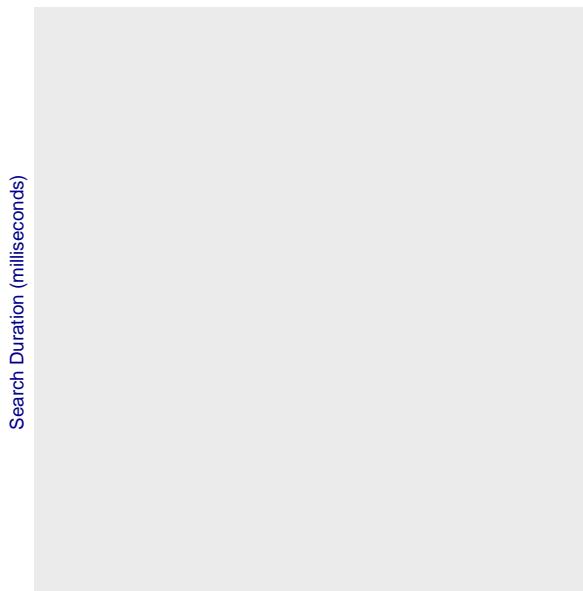


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm f8\_001 2020-03-20 13:16:35**

**Fig 10: Template duration; search duration vs. N**

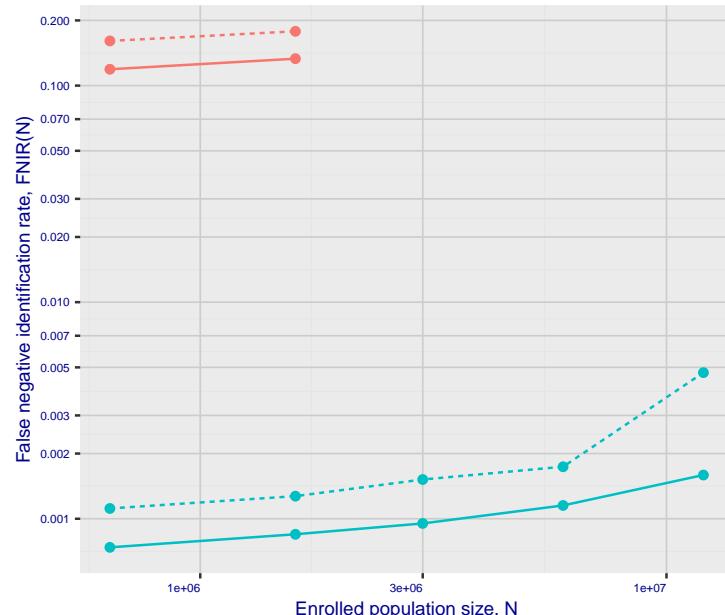


**Fig 11: Datasheet**

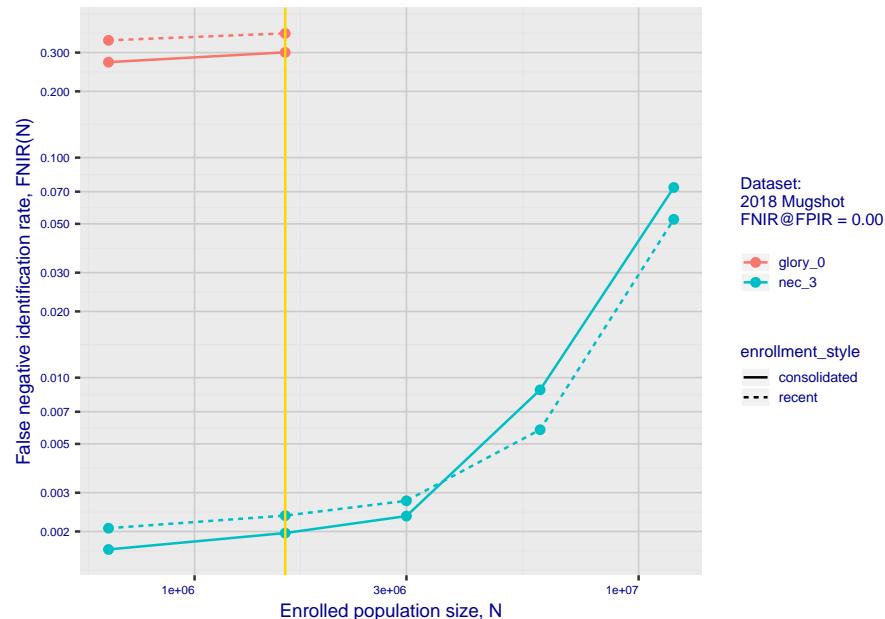
Algorithm: f8_001
Developer: FarBar Inc
Submission Date: 2019_10_03
Investigation rank 114 -- FNIR(1600000, 0, 1) = 0.0120 vs. lowest 0.0010 from sen
Identification rank 135 -- FNIR(1600000, T, L+1) = 0.1658
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm glory\_0 2020-03-20 13:12:44

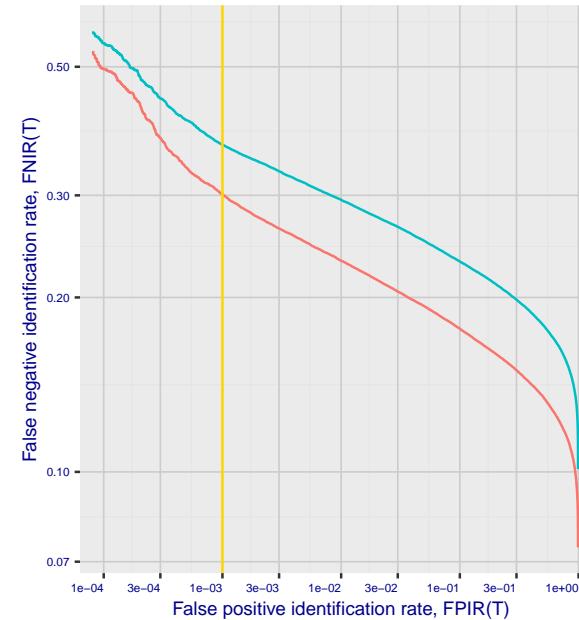
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



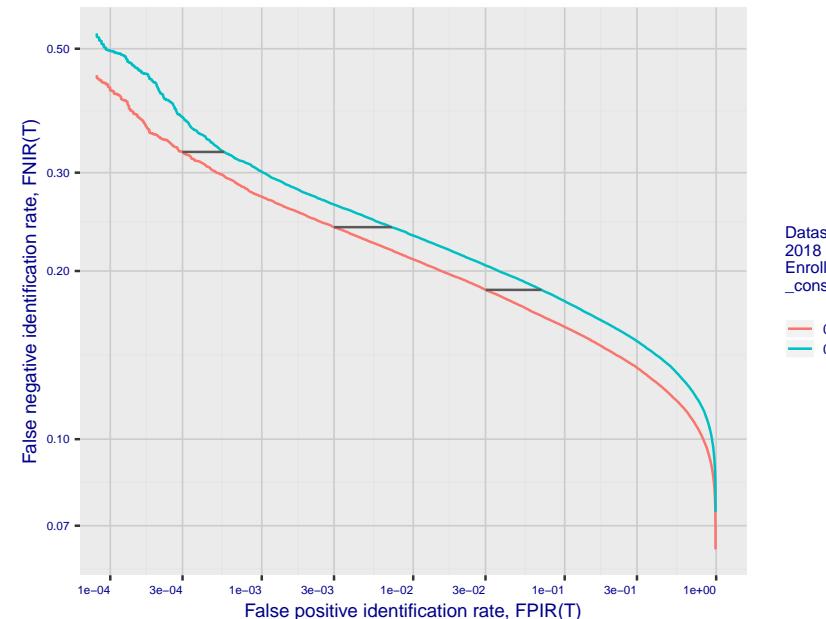
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

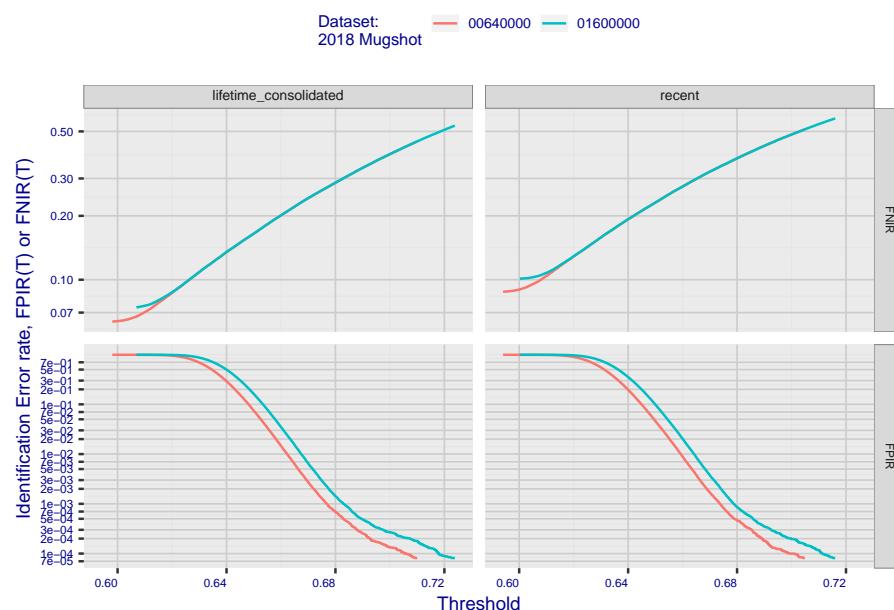


**Fig 4: DET for various N. Links connect points of equal threshold.**

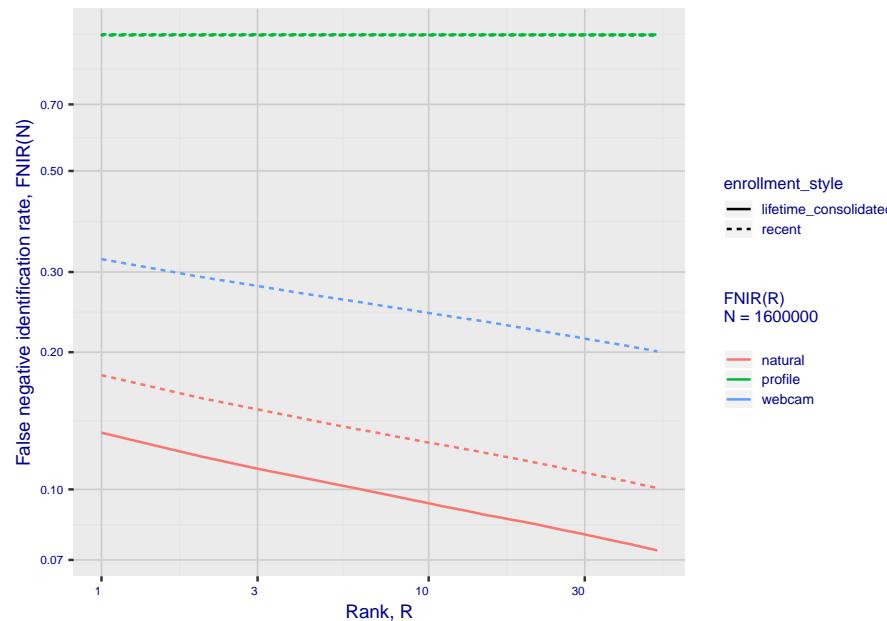


## 2. Report for algorithm glory\_0 2020-03-20 13:12:44

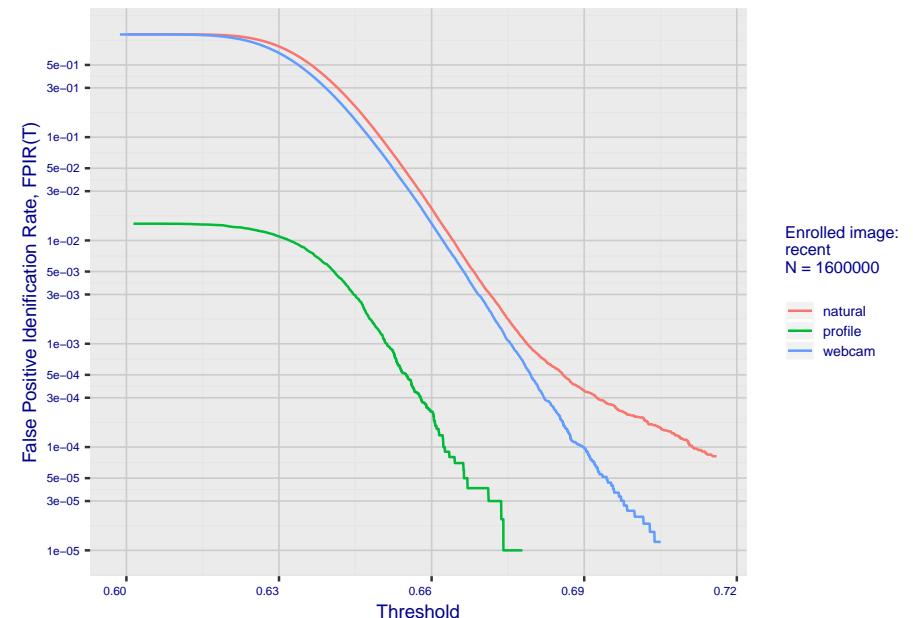
**Fig 5: Dependence on T by number enrolled identities**



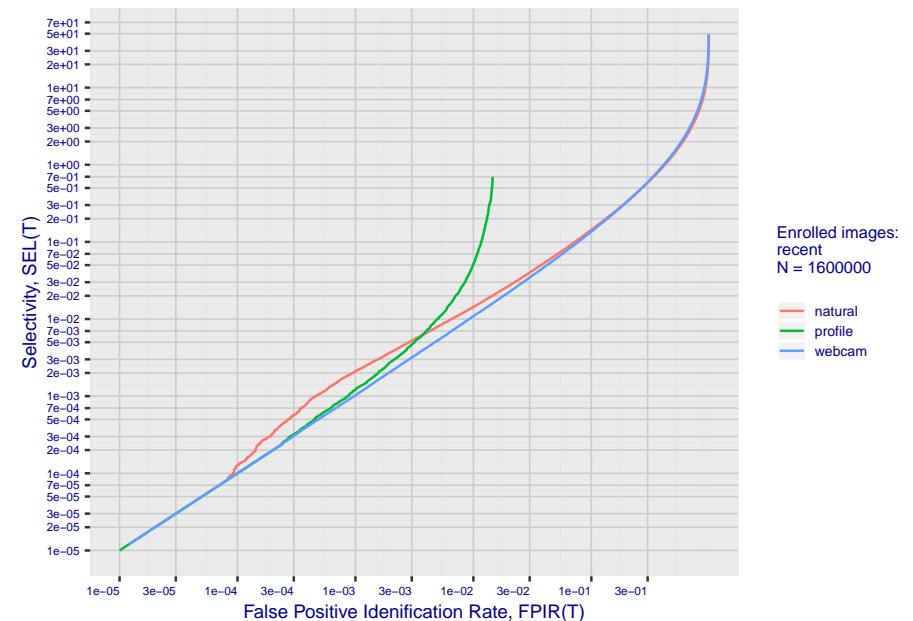
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm glory\_0 2020-03-20 13:12:44

Fig 10: Template duration; search duration vs. N

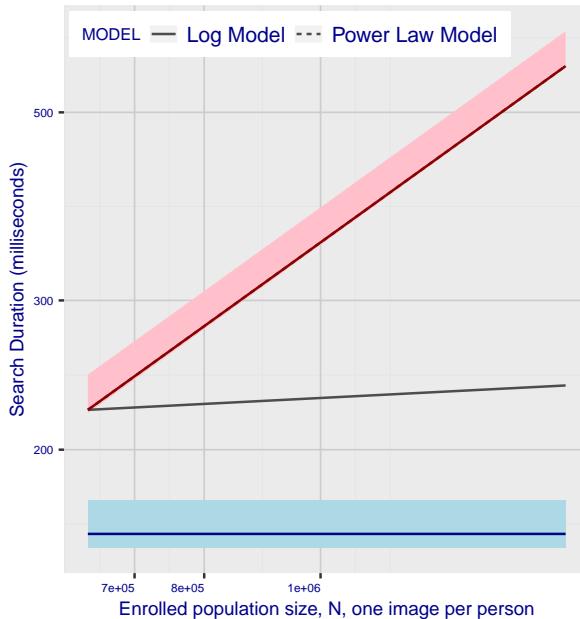
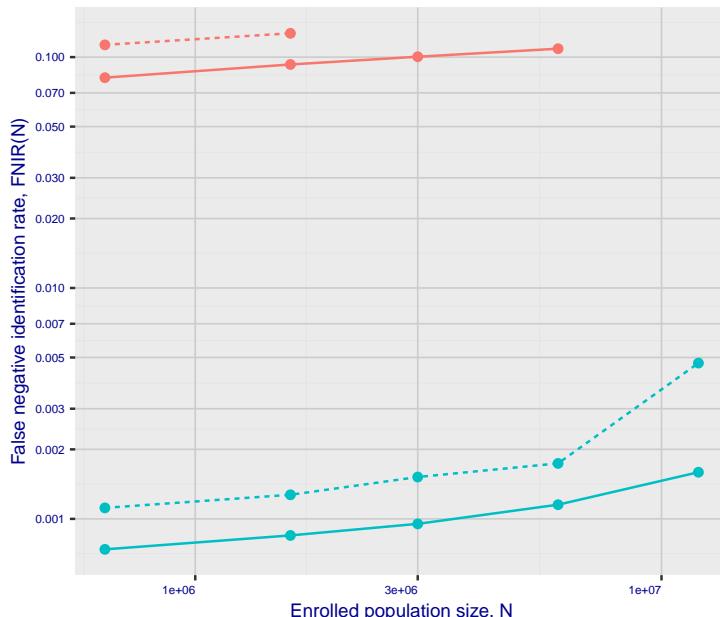


Fig 11: Datasheet

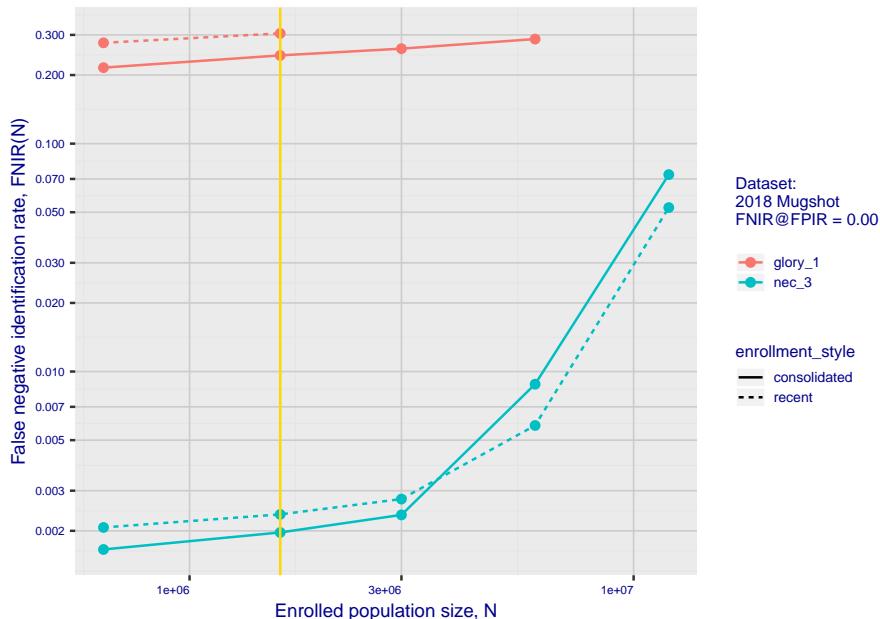
Algorithm: glory_0
Developer: Glory Ltd
Submission Date: 2018_06_30
Template size: 418 bytes
Template time (2.5 percentile): 153 msec
Template time (median): 159 msec
Template time (97.5 percentile): 174 msec
Investigation rank 204 -- FNIR(160000, 0, 1) = 0.1781 vs. lowest 0.0010 from sensetime_003
Identification rank 175 -- FNIR(160000, T, L+1) = 0.3668
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm glory\_1 2020-03-20 13:16:25

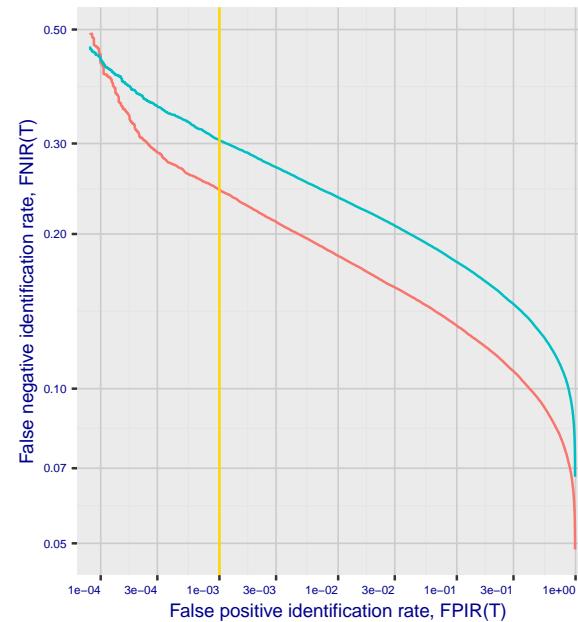
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



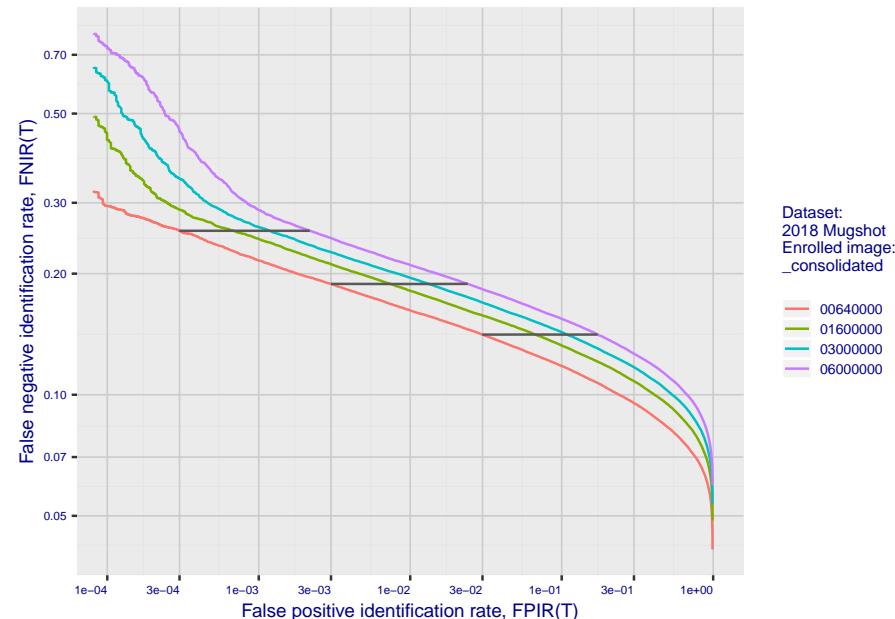
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

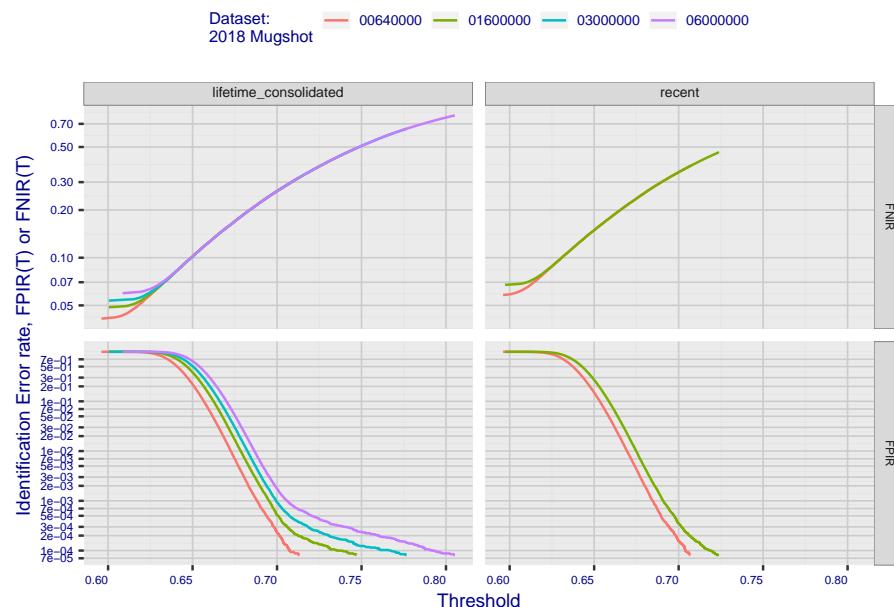


**Fig 4: DET for various N. Links connect points of equal threshold.**

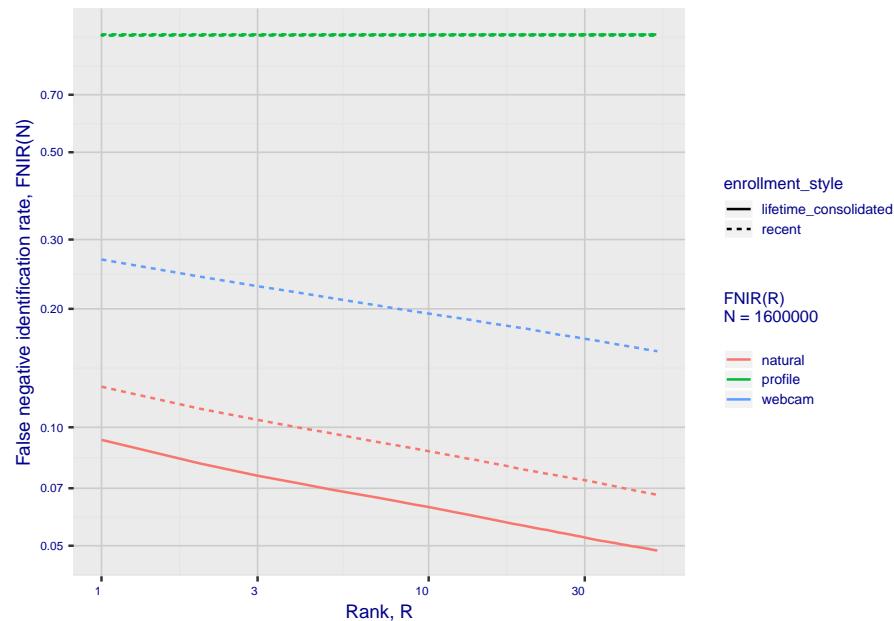


## 2. Report for algorithm glory\_1 2020-03-20 13:16:25

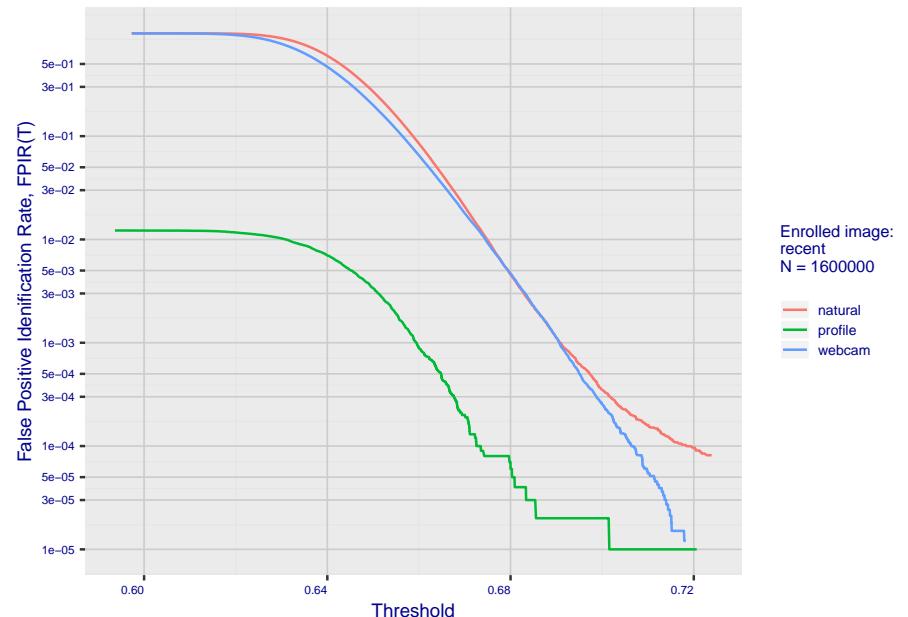
**Fig 5: Dependence on T by number enrolled identities**



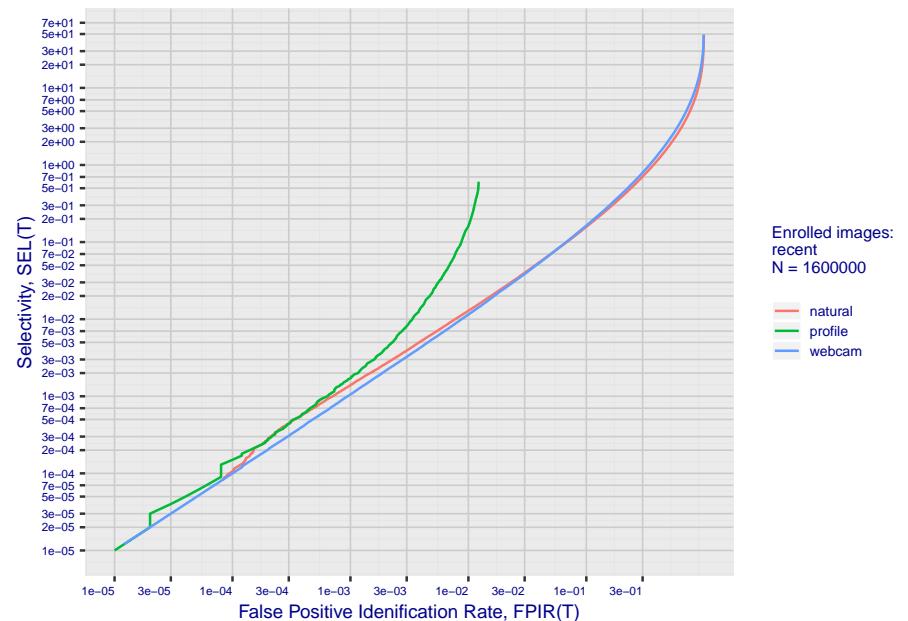
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm glory\_1 2020-03-20 13:16:25

Fig 10: Template duration; search duration vs. N

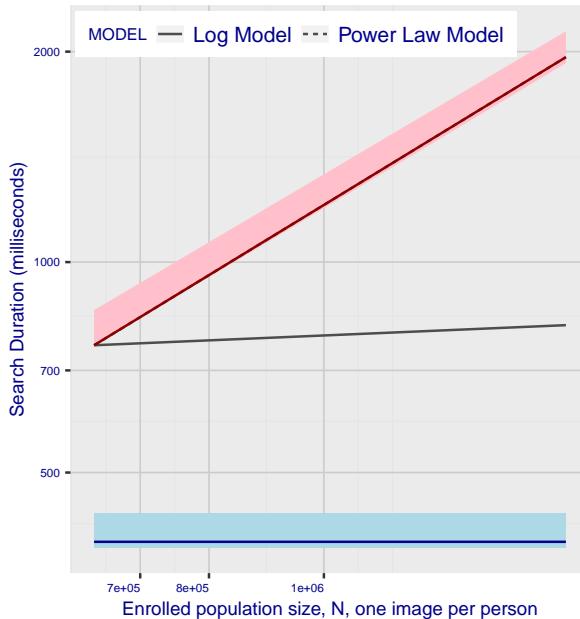
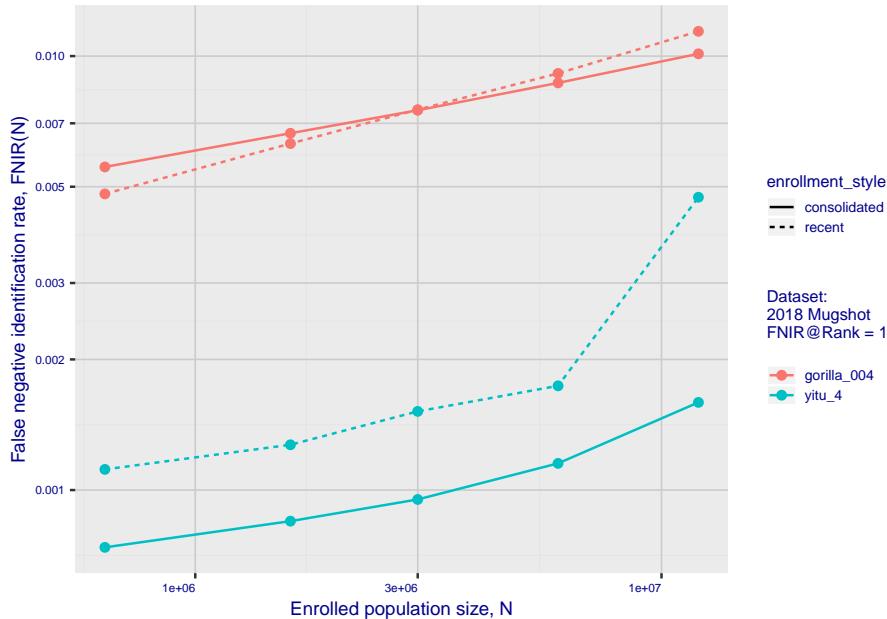


Fig 11: Datasheet

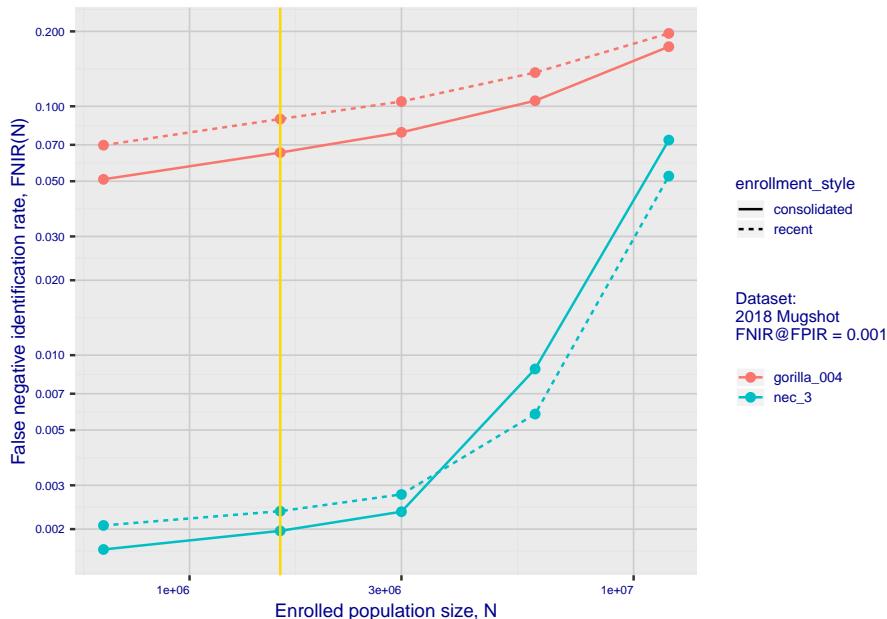
Algorithm:	glory_1
Developer:	Glory Ltd
Submission Date:	2018_06_30
Template size:	1726 bytes
Template time (2.5 percentile):	391 msec
Template time (median):	398 msec
Template time (97.5 percentile):	438 msec
Investigation rank 194 -- FNIR(160000, 0, 1) = 0.1268 vs. lowest 0.0010 from sensetime_003	
Identification rank 167 -- FNIR(160000, T, L+1) = 0.3046	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm gorilla\_004 2020-03-20 13:16:33

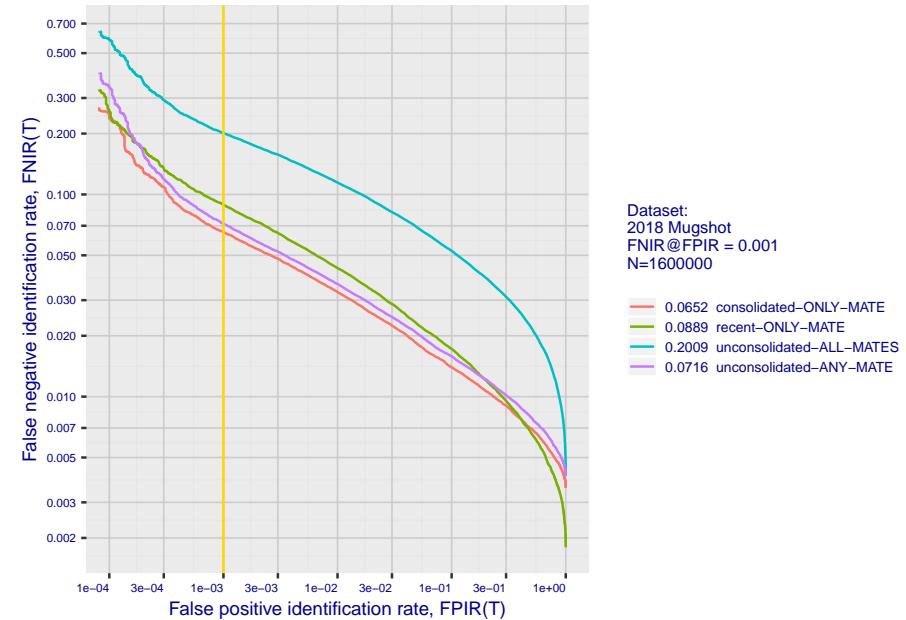
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



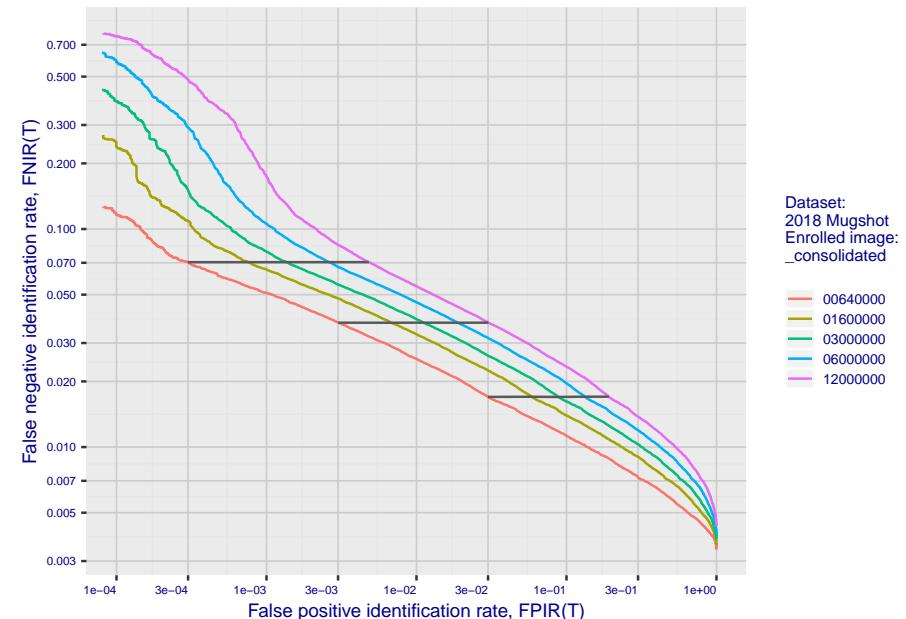
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

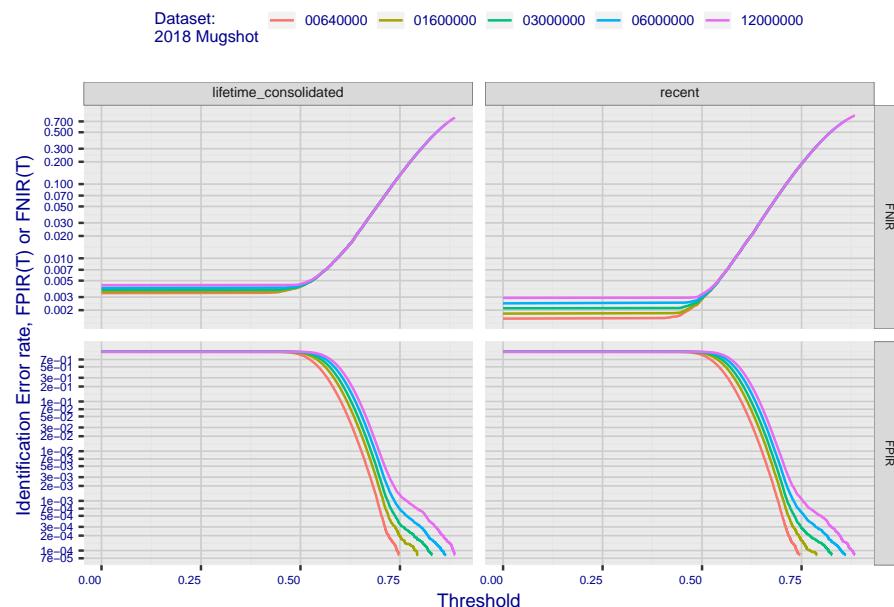


**Fig 4: DET for various N. Links connect points of equal threshold.**

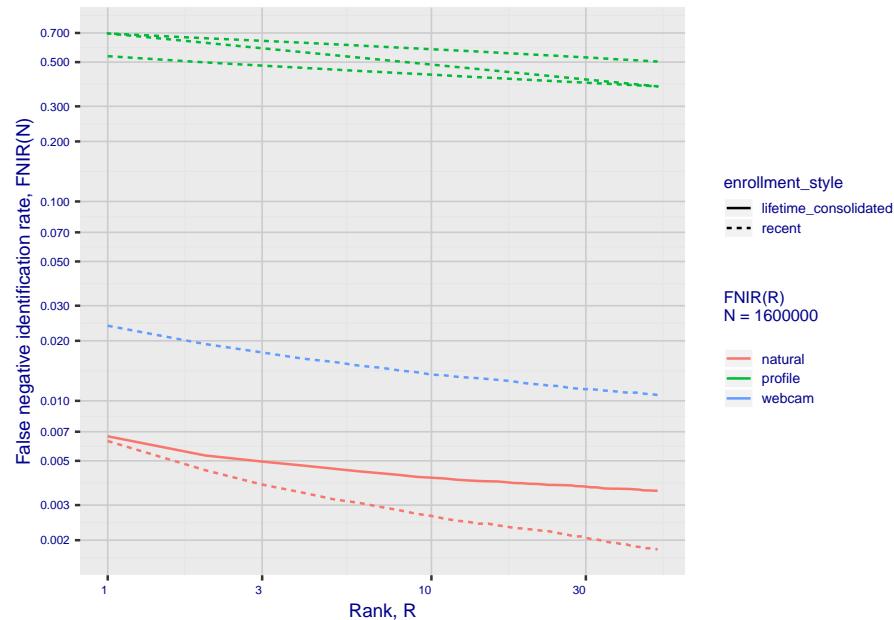


## 2. Report for algorithm gorilla\_004 2020-03-20 13:16:33

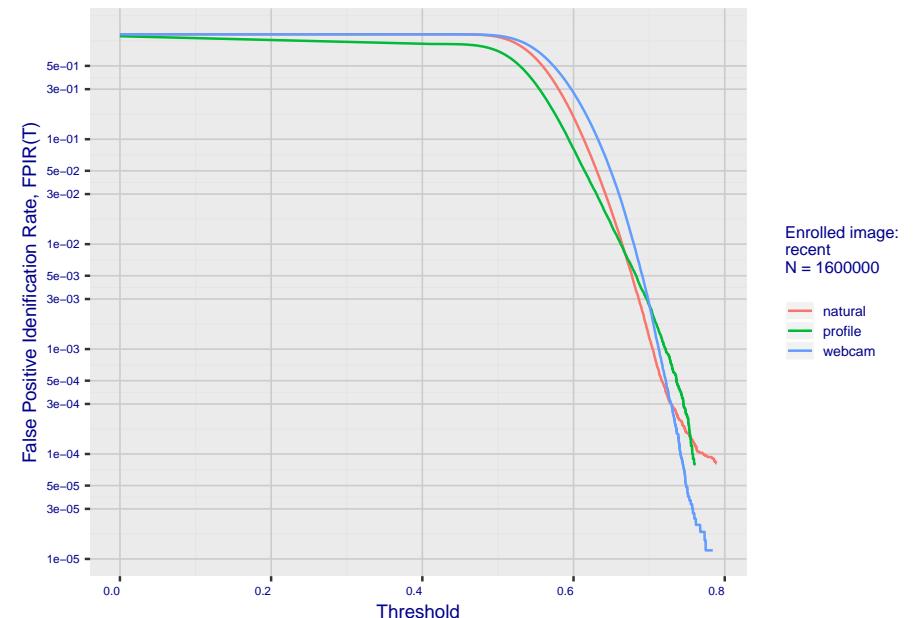
**Fig 5: Dependence on T by number enrolled identities**



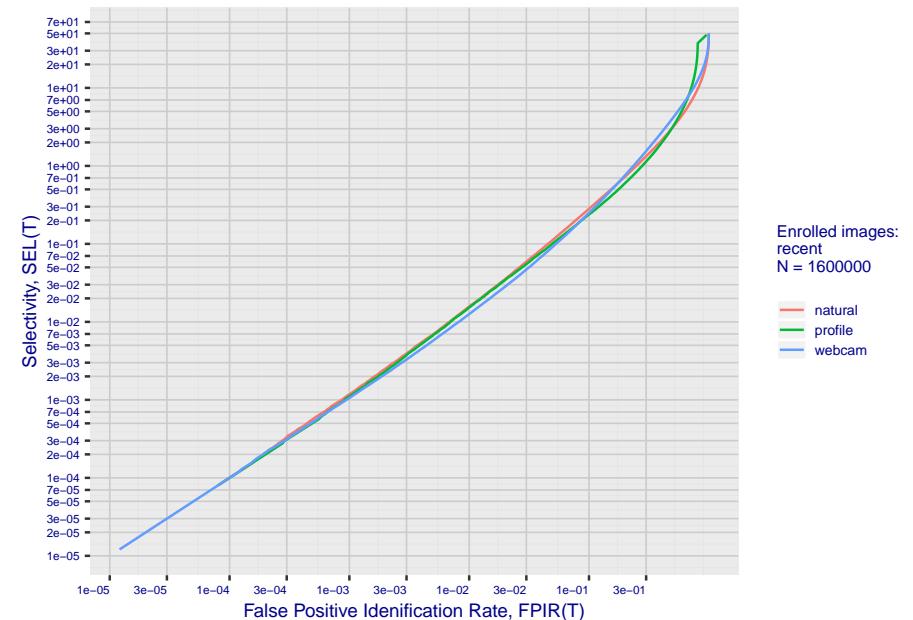
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

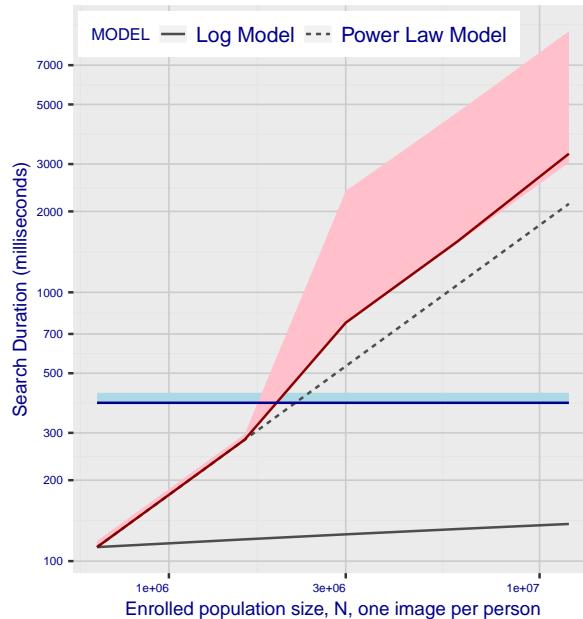


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm gorilla\_004 2020-03-20 13:16:33**

**Fig 10: Template duration; search duration vs. N**

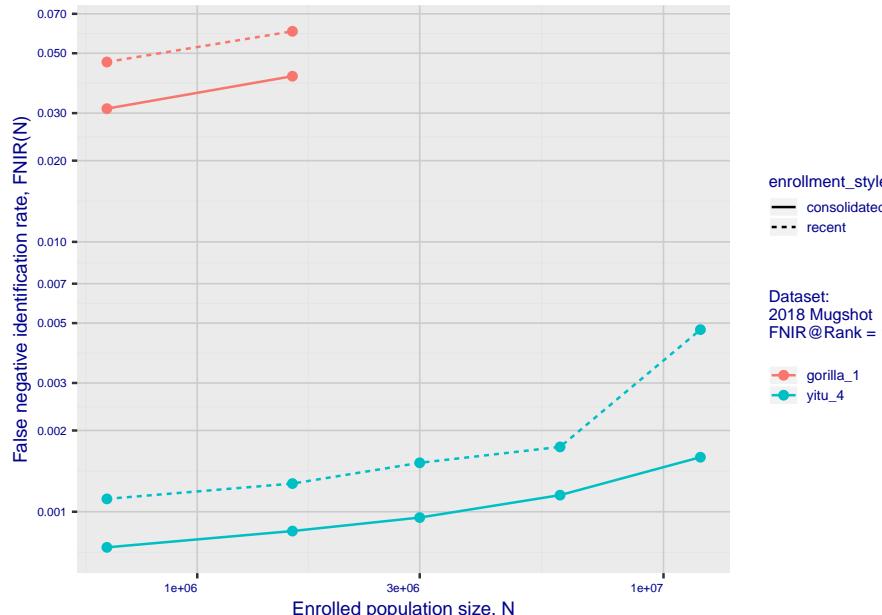


**Fig 11: Datasheet**

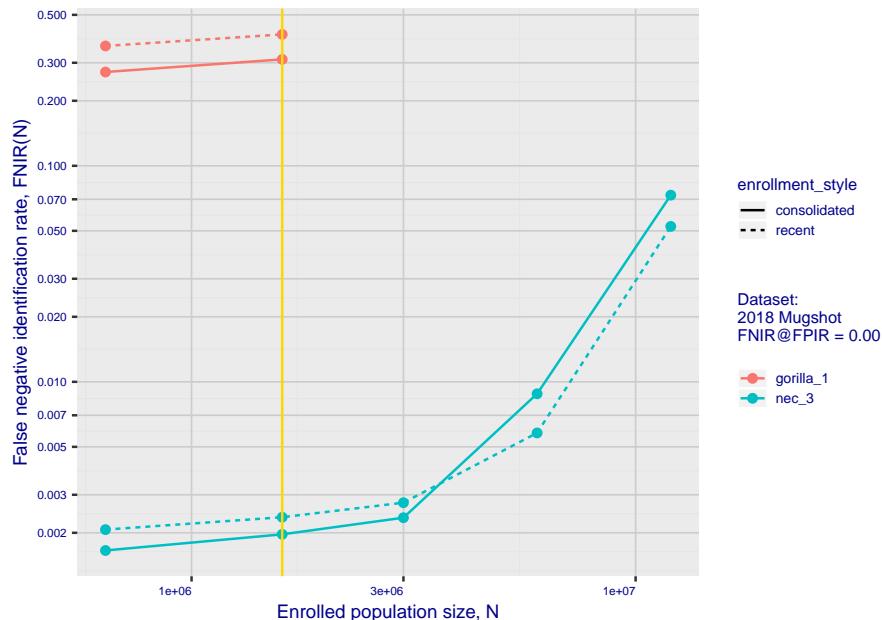
Algorithm: gorilla_004
Developer: Gorilla Technology
Submission Date: 2020_01_06
Template size: 2192 bytes
Template time (2.5 percentile): 385 msec
Template time (median): 388 msec
Template time (97.5 percentile): 423 msec
Investigation rank 70 -- FNIR(1600000, 0, 1) = 0.0063 vs. lowest 0.0010 from sensetime_003
Identification rank 103 -- FNIR(1600000, T, L+1) = 0.0889
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm gorilla\_1 2020-03-20 13:16:34

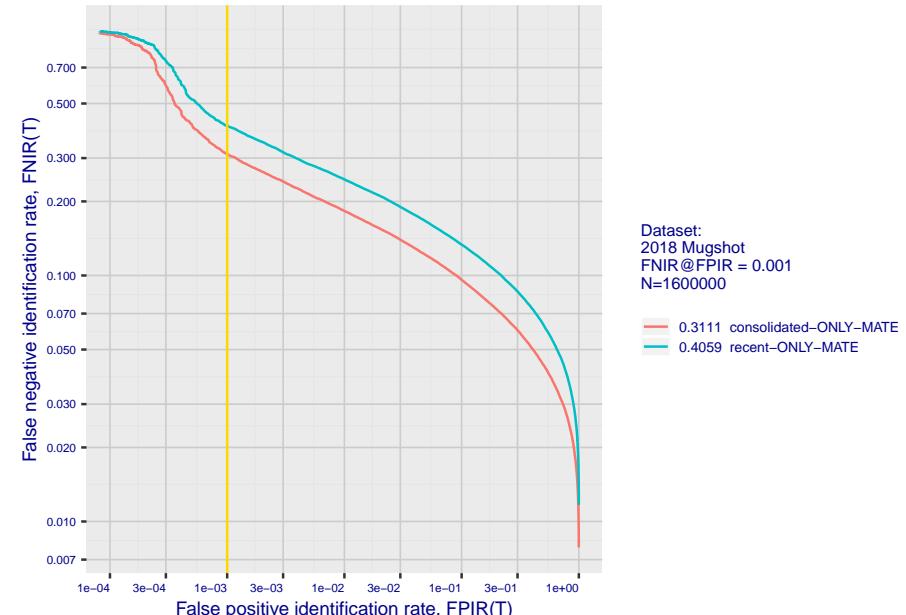
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



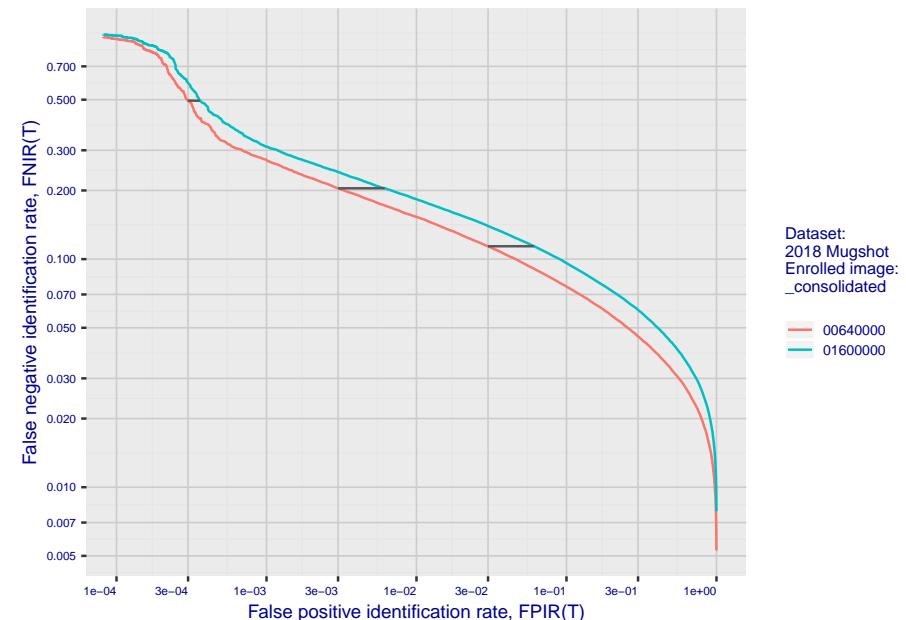
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

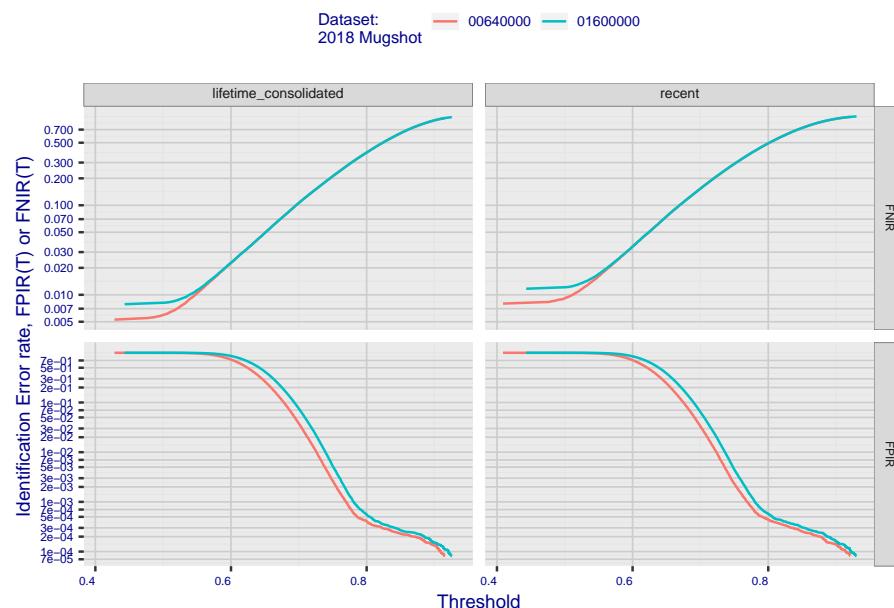


**Fig 4: DET for various N. Links connect points of equal threshold.**

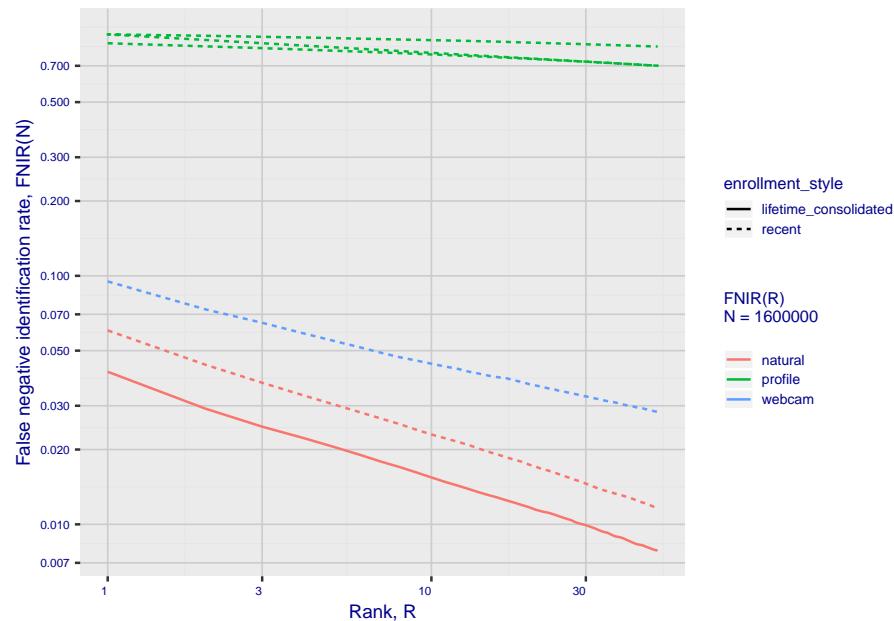


## 2. Report for algorithm gorilla\_1 2020-03-20 13:16:34

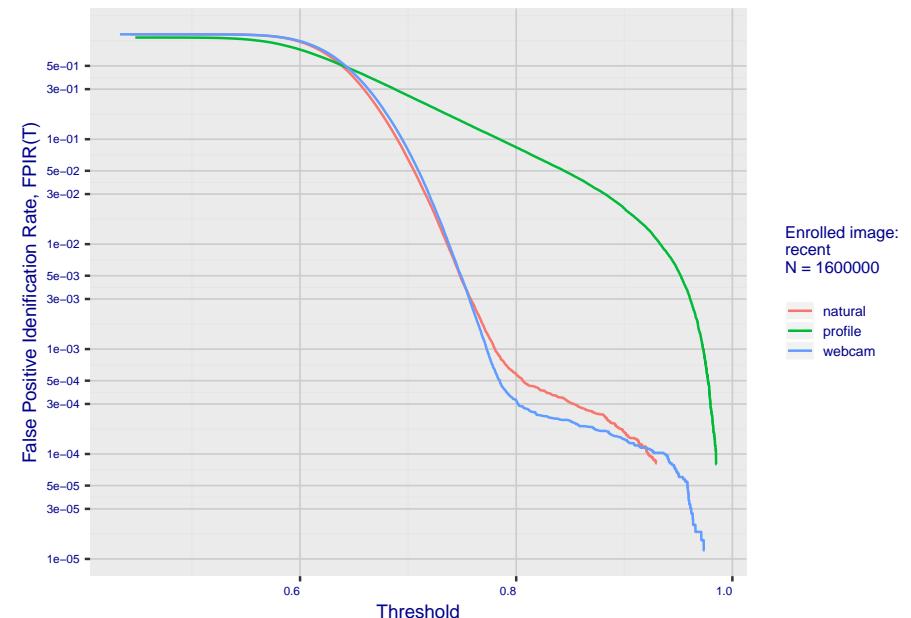
**Fig 5: Dependence on T by number enrolled identities**



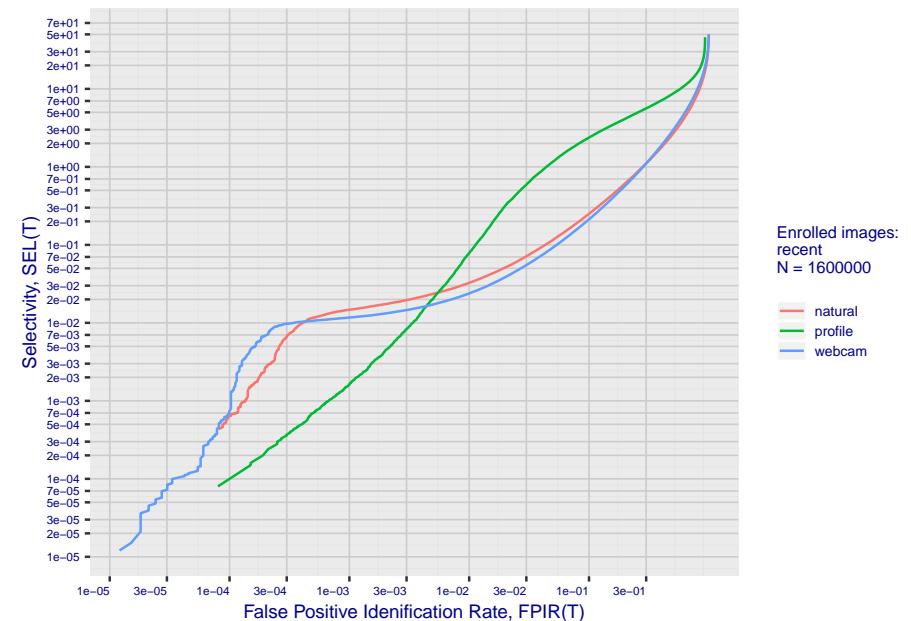
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm gorilla\_1 2020-03-20 13:16:34

Fig 10: Template duration; search duration vs. N

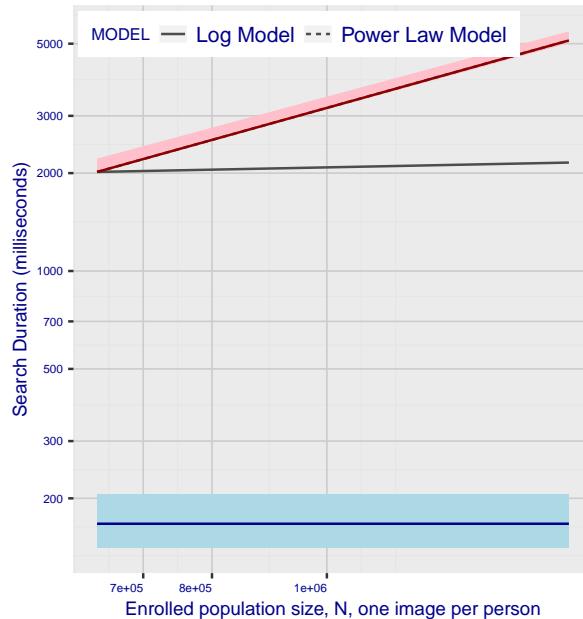
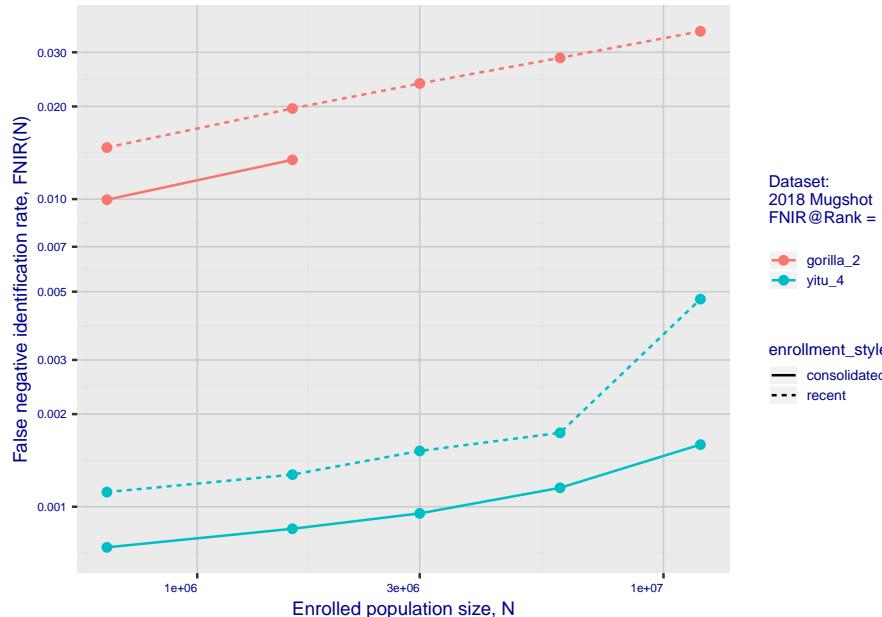


Fig 11: Datasheet

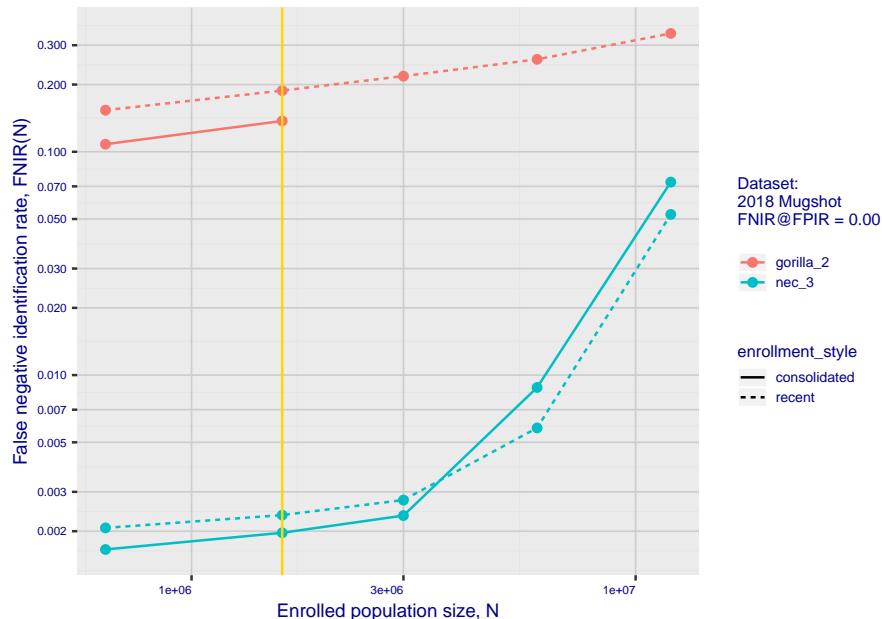
Algorithm: gorilla_1
Developer: Gorilla Technology
Submission Date: 2018_06_19
Template size: 2156 bytes
Template time (2.5 percentile): 141 msec
Template time (median): 167 msec
Template time (97.5 percentile): 207 msec
Investigation rank 178 -- FNIR(160000, 0, 1) = 0.0603 vs. lowest 0.0010 from sensetime_003
Identification rank 182 -- FNIR(160000, T, L+1) = 0.4059
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm gorilla\_2 2020-03-20 13:16:53

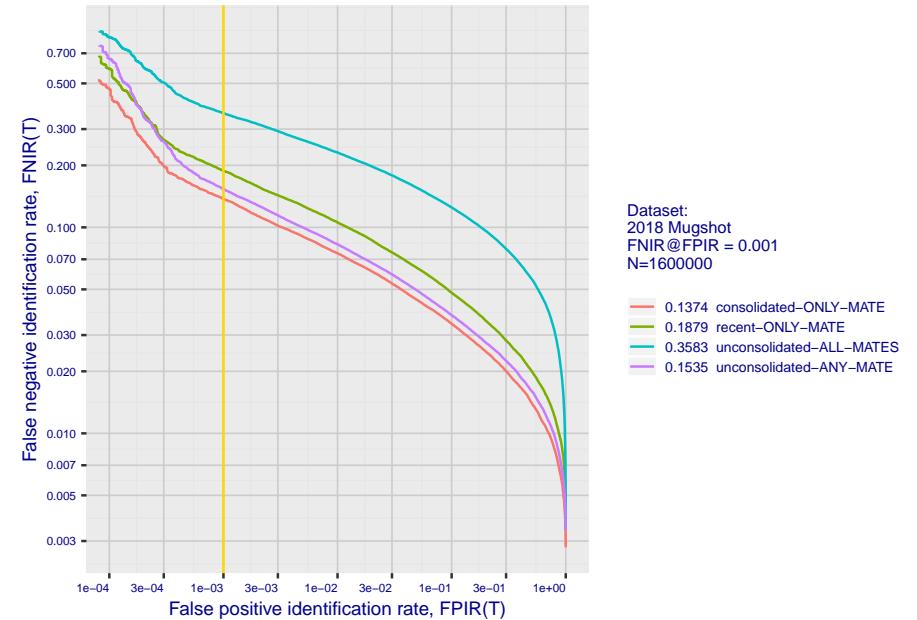
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



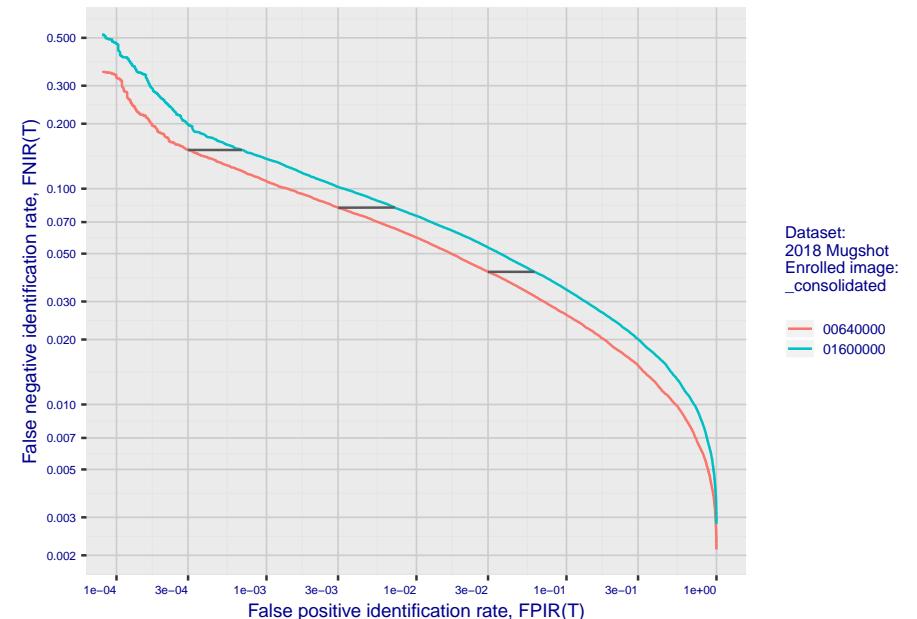
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

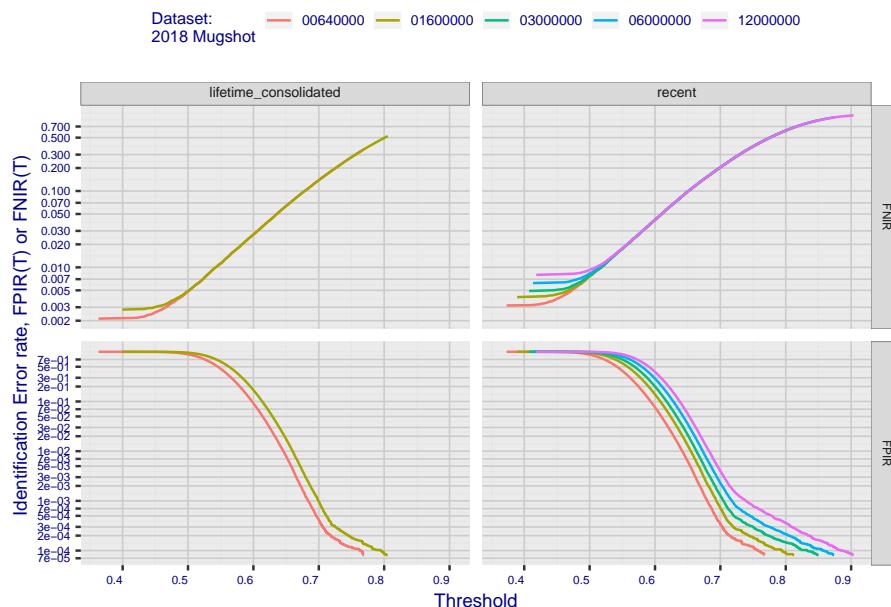


**Fig 4: DET for various N. Links connect points of equal threshold.**

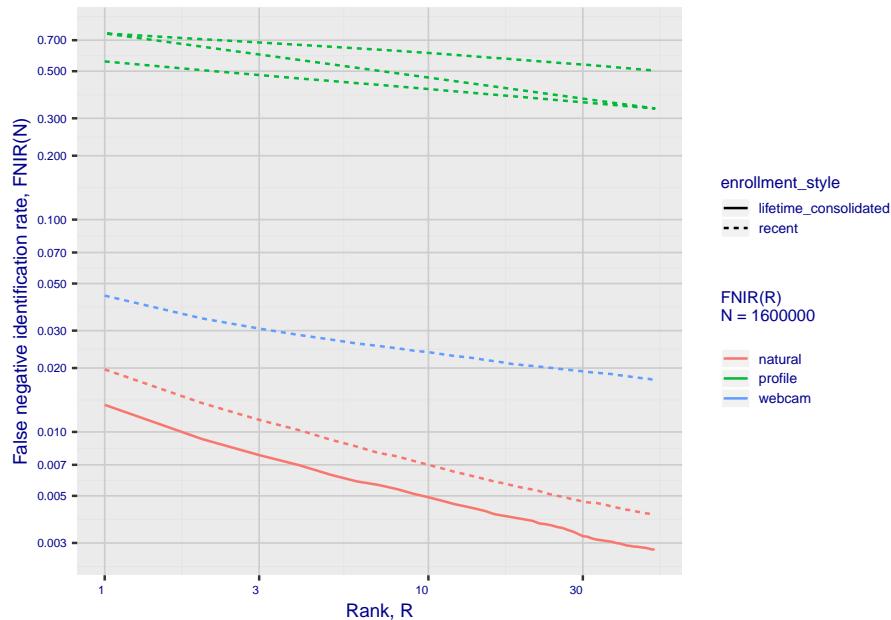


## 2. Report for algorithm gorilla\_2 2020-03-20 13:16:53

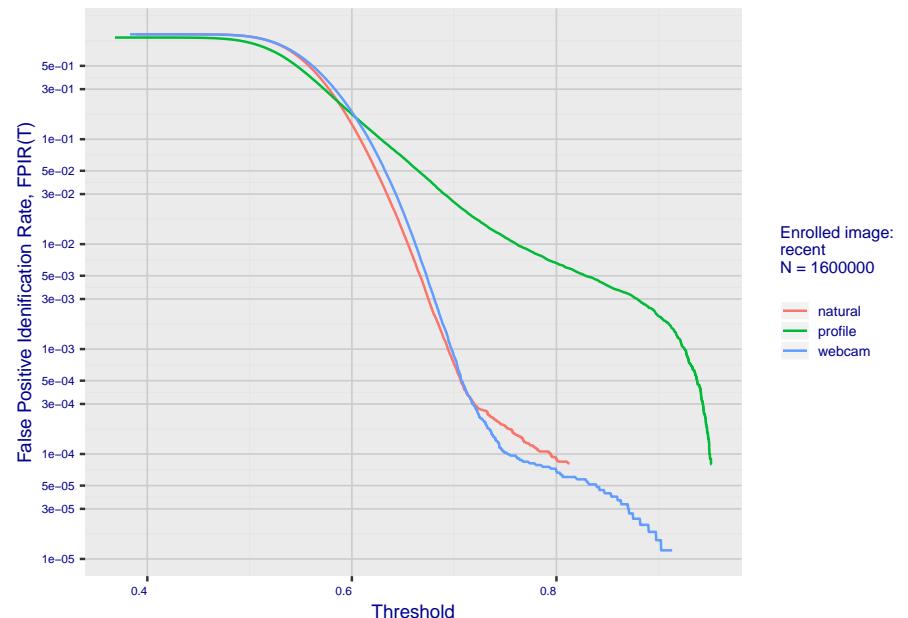
**Fig 5: Dependence on T by number enrolled identities**



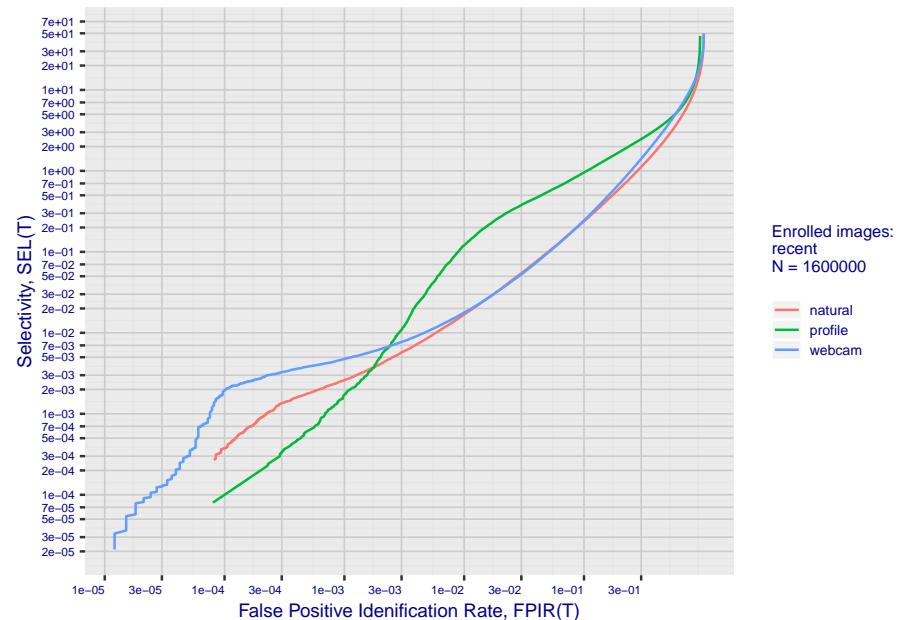
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm gorilla\_2 2020-03-20 13:16:53

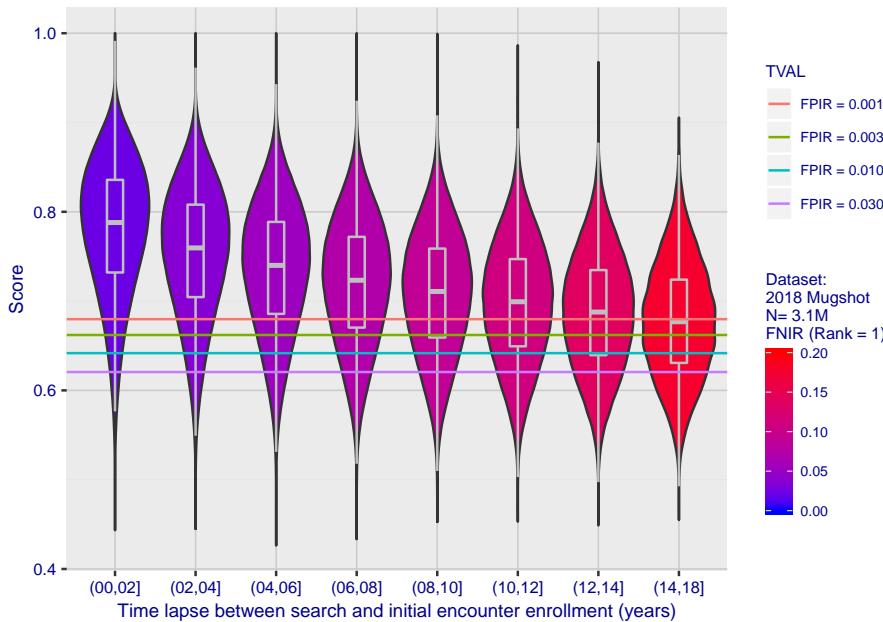
**Fig 10: Template duration; search duration vs. N**



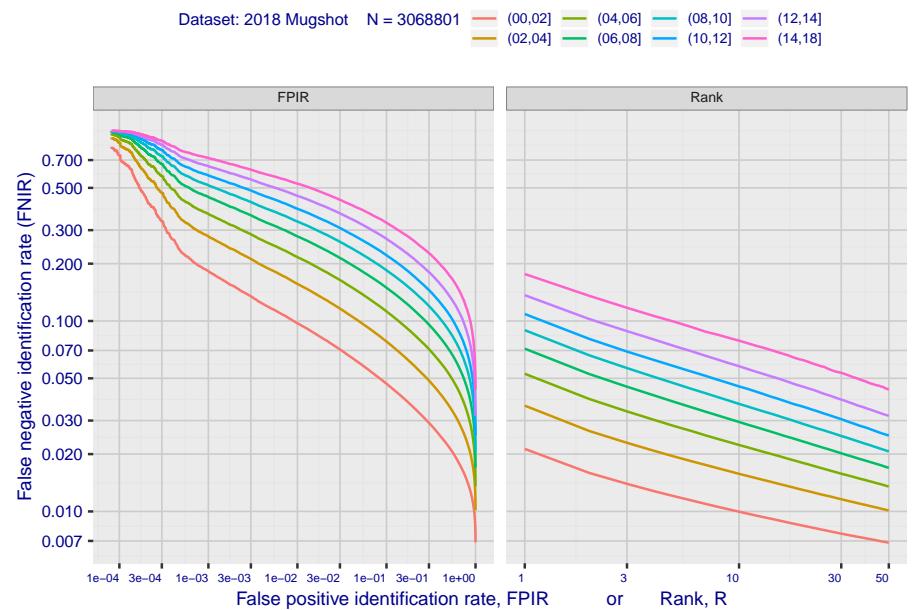
**Fig 11: Datasheet**

Algorithm: gorilla_2
Developer: Gorilla Technology
Submission Date: 2018_10_29
Template size: 1132 bytes
Template time (2.5 percentile): 312 msec
Template time (median): 339 msec
Template time (97.5 percentile): 384 msec
Investigation rank 135 -- FNIR(1600000, 0, 1) = 0.0197 vs. lowest 0.0010 from sensetime_003
Identification rank 142 -- FNIR(1600000, T, L+1) = 0.1879
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

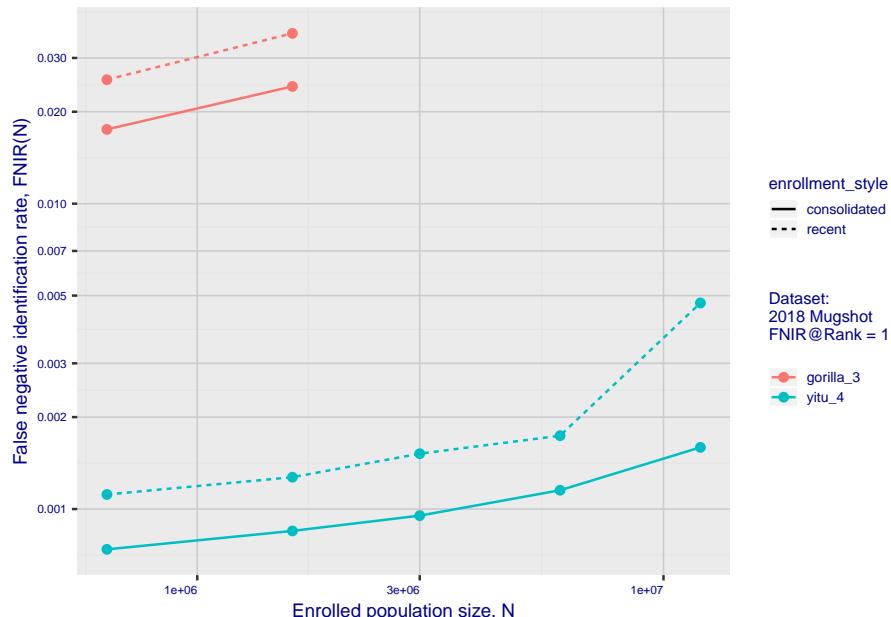


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

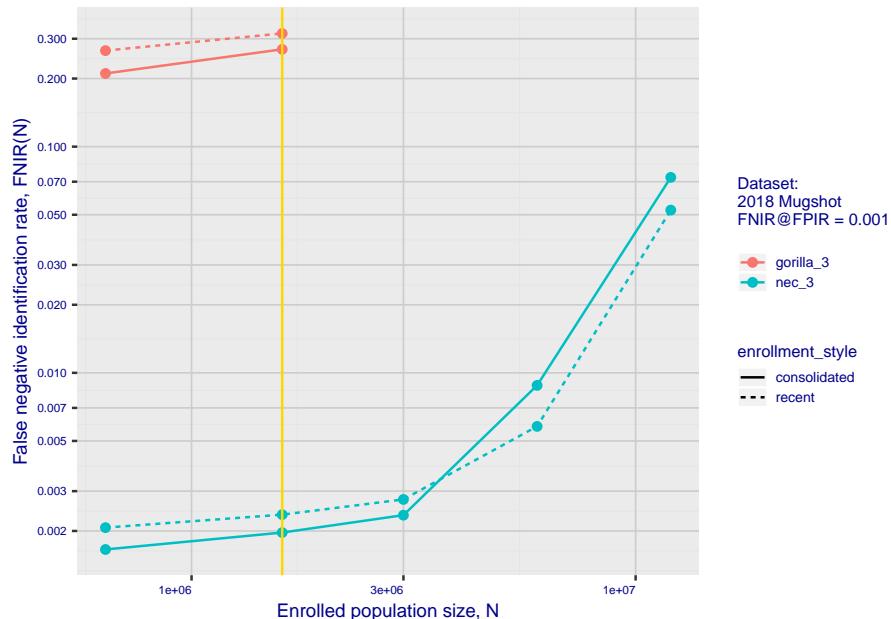


# 1. Report for algorithm gorilla\_3 2020-03-20 13:12:49

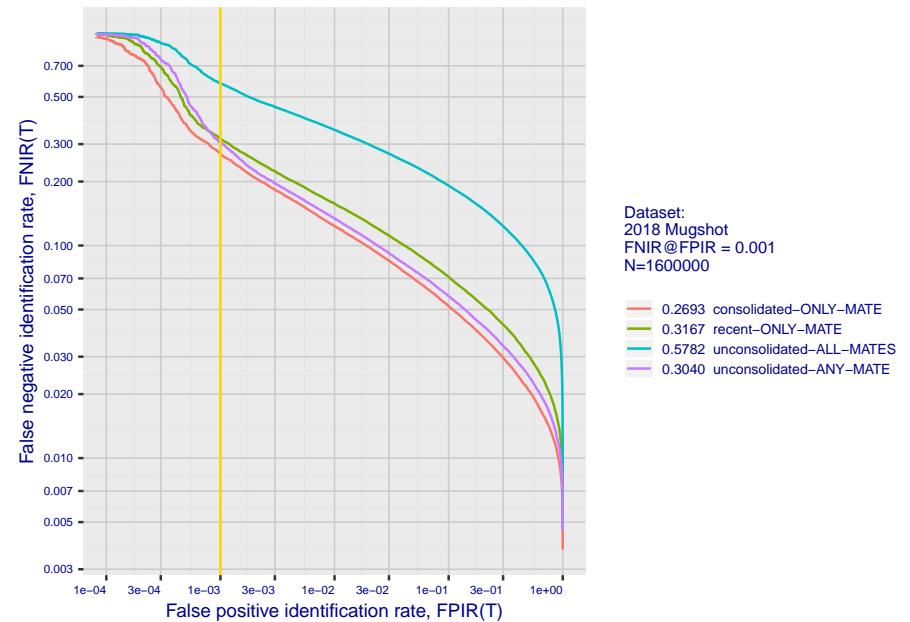
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



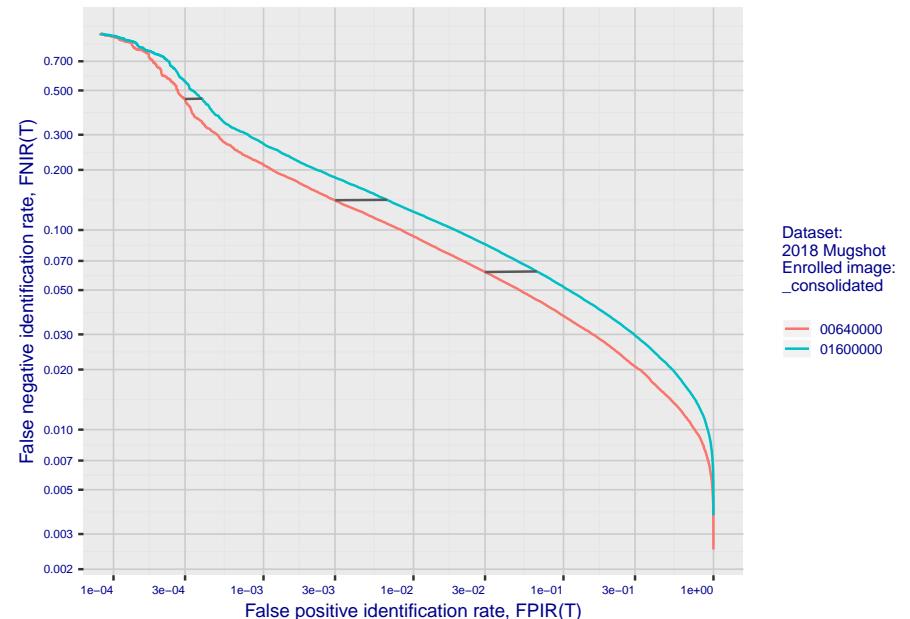
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

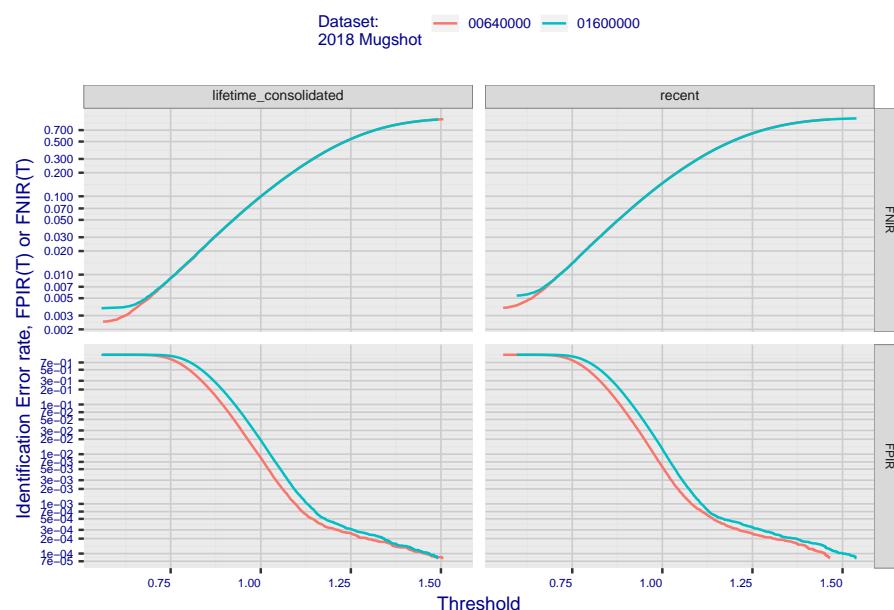


**Fig 4: DET for various N. Links connect points of equal threshold.**

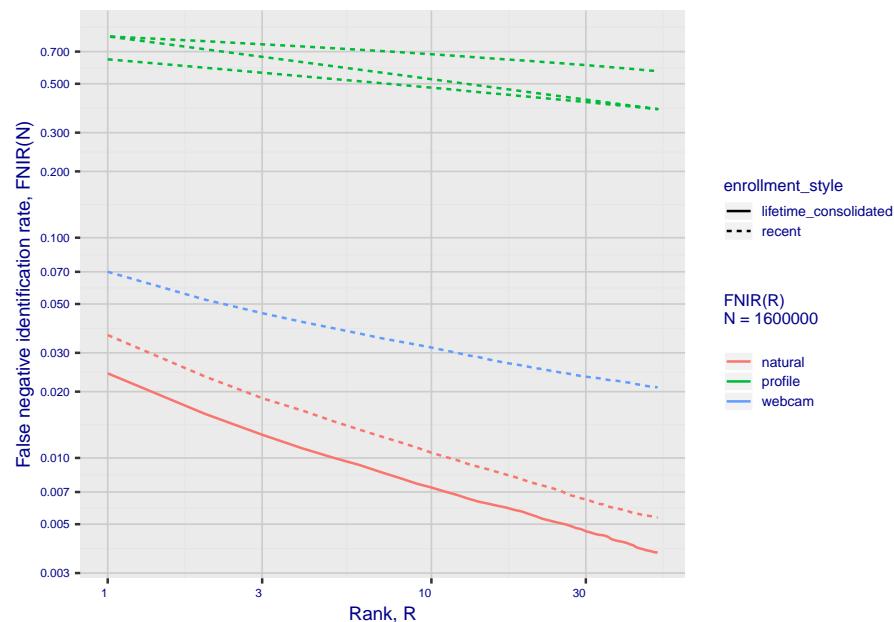


## 2. Report for algorithm gorilla\_3 2020-03-20 13:12:49

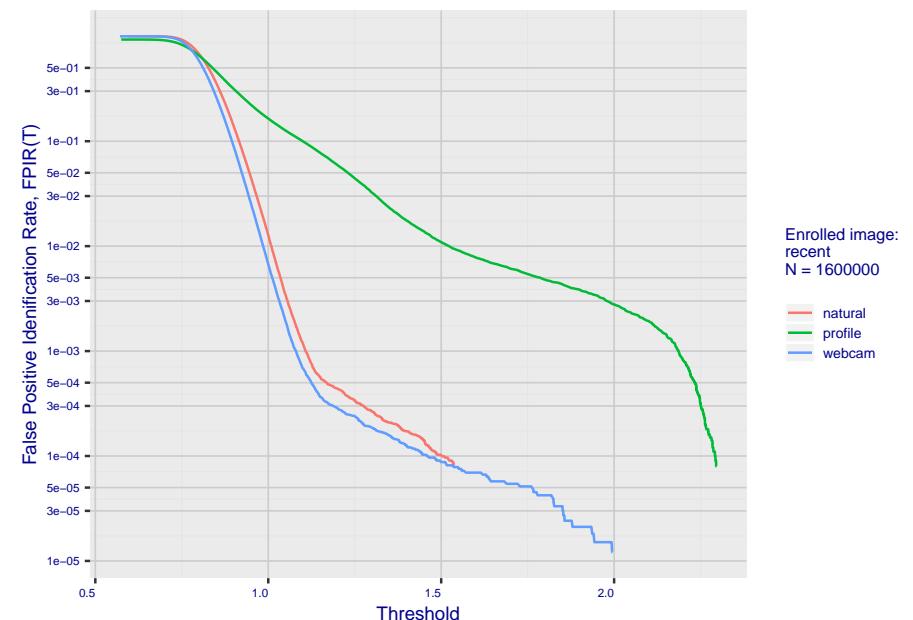
**Fig 5: Dependence on T by number enrolled identities**



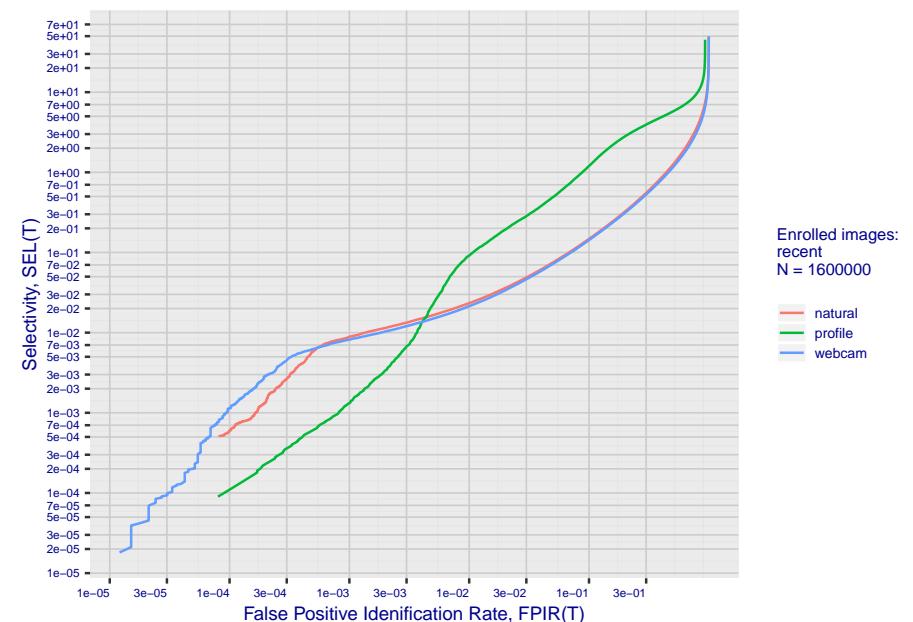
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm gorilla\_3 2020-03-20 13:12:49

Fig 10: Template duration; search duration vs. N

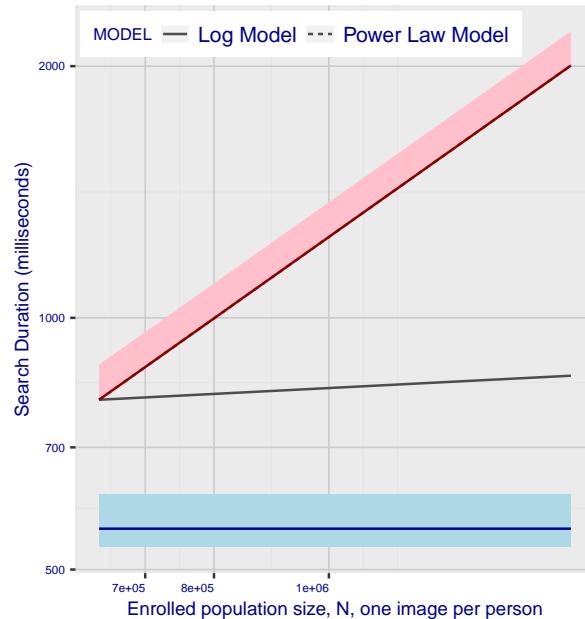
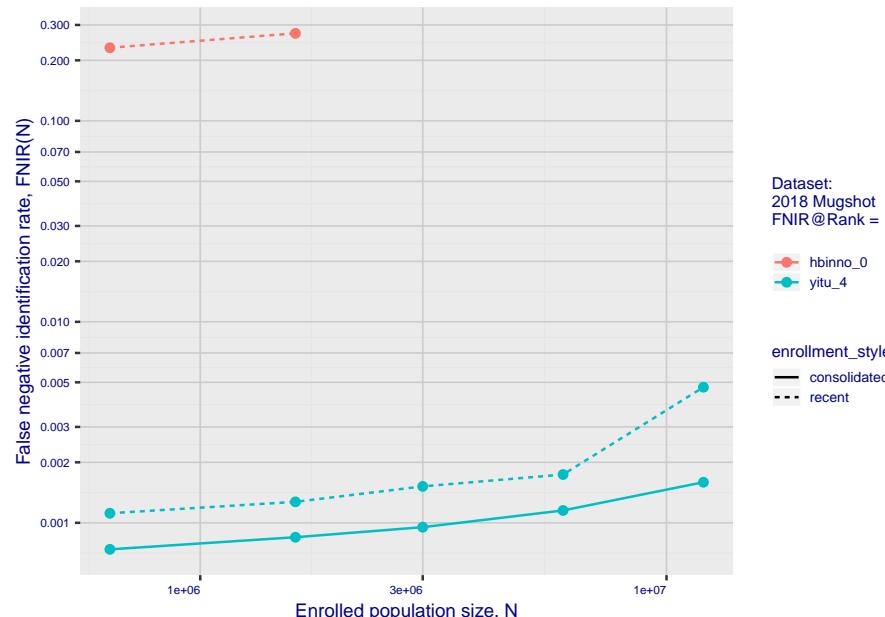


Fig 11: Datasheet

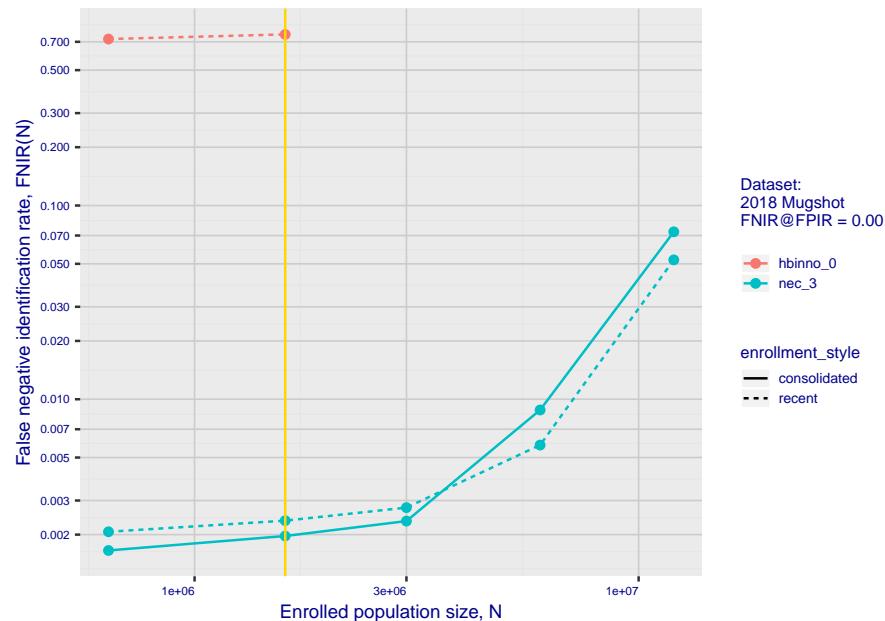
Algorithm:	gorilla_3
Developer:	Gorilla Technology
Submission Date:	2018_10_26
Template size:	2156 bytes
Template time (2.5 percentile):	532 msec
Template time (median):	560 msec
Template time (97.5 percentile):	615 msec
Investigation rank 156 -- FNIR(160000, 0, 1) = 0.0361 vs. lowest 0.0010 from sensetime_003	
Identification rank 169 -- FNIR(160000, T, L+1) = 0.3167	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm hbinno\_0 2020-03-20 13:12:49

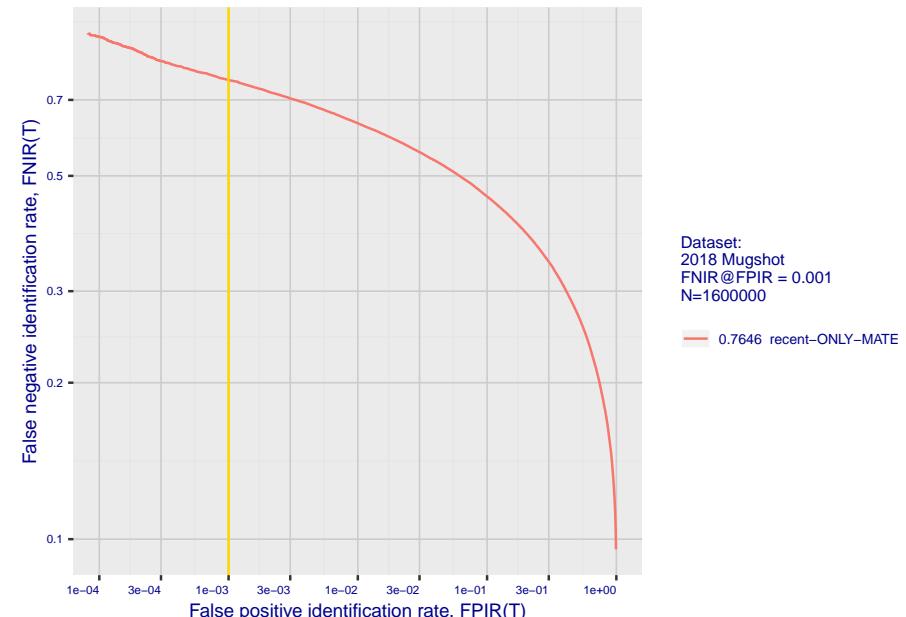
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

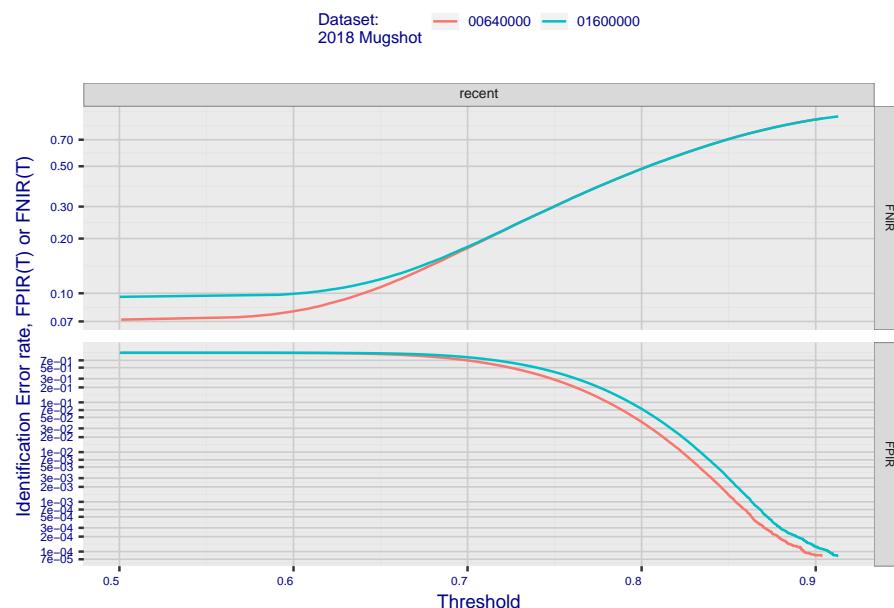


**Fig 2: DETs by enrollment type**

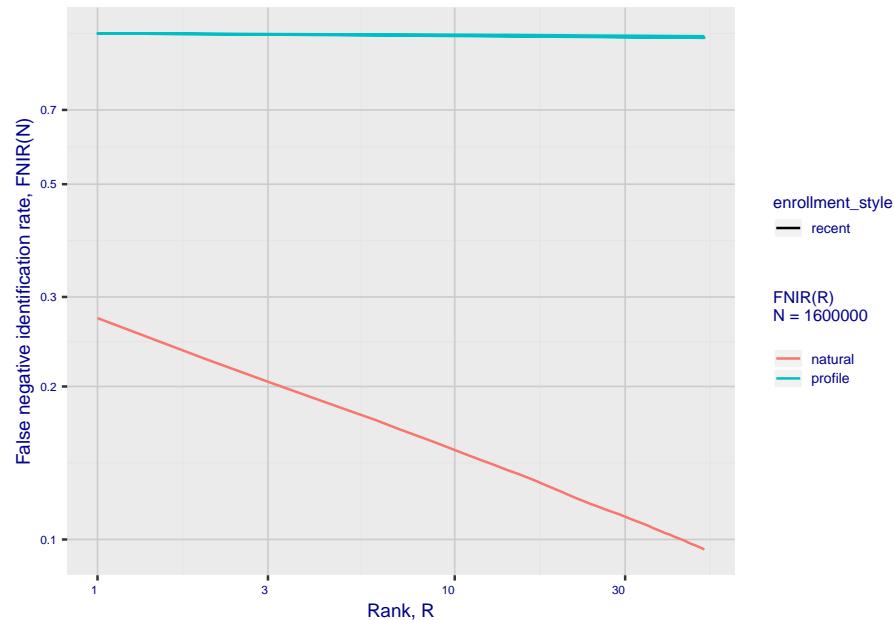


## 2. Report for algorithm hbinno\_0 2020-03-20 13:12:49

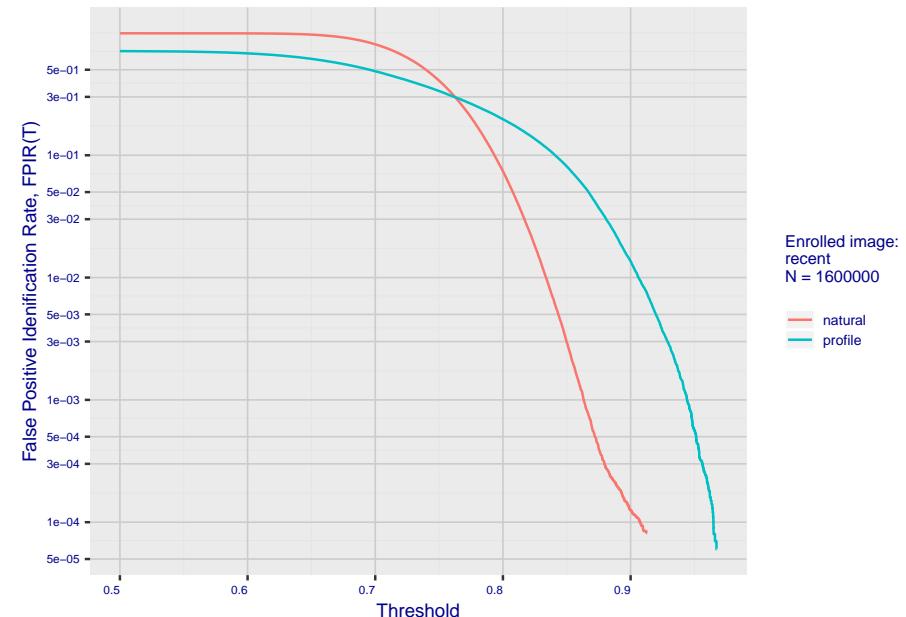
**Fig 5: Dependence on T by number enrolled identities**



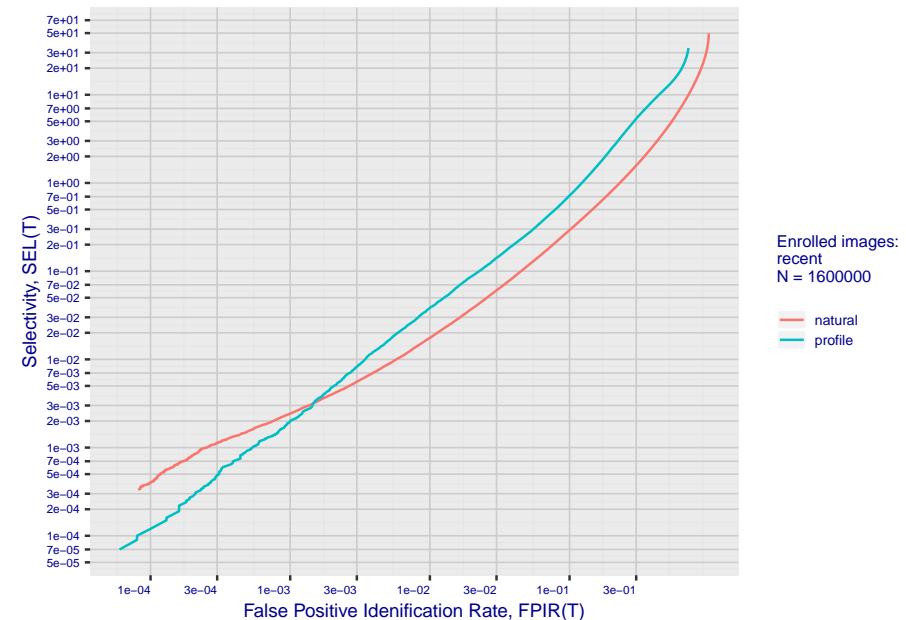
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm hbinno\_0 2020-03-20 13:12:49

Fig 10: Template duration; search duration vs. N

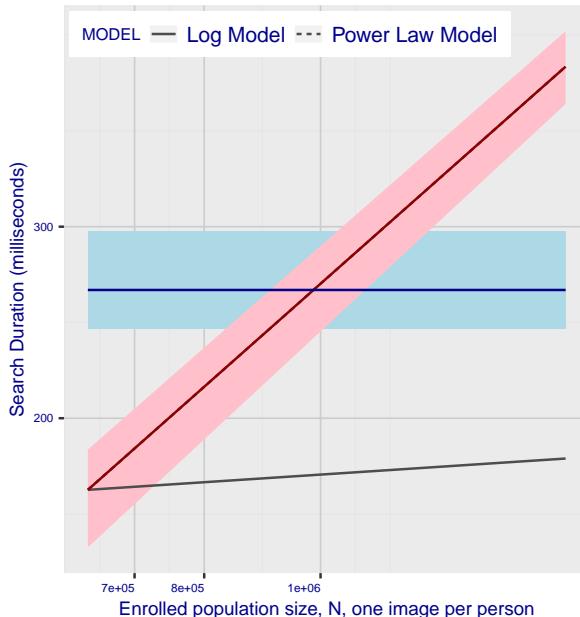
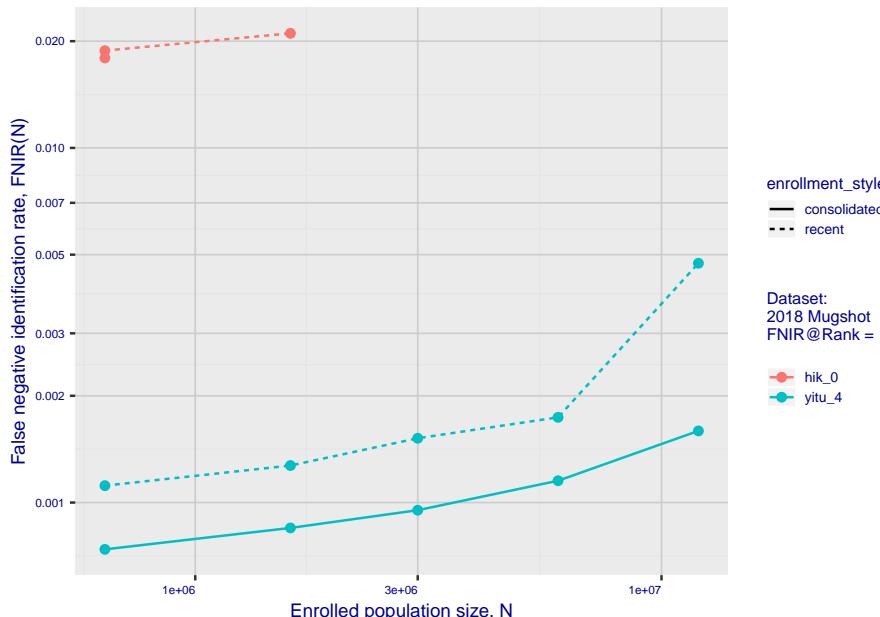


Fig 11: Datasheet

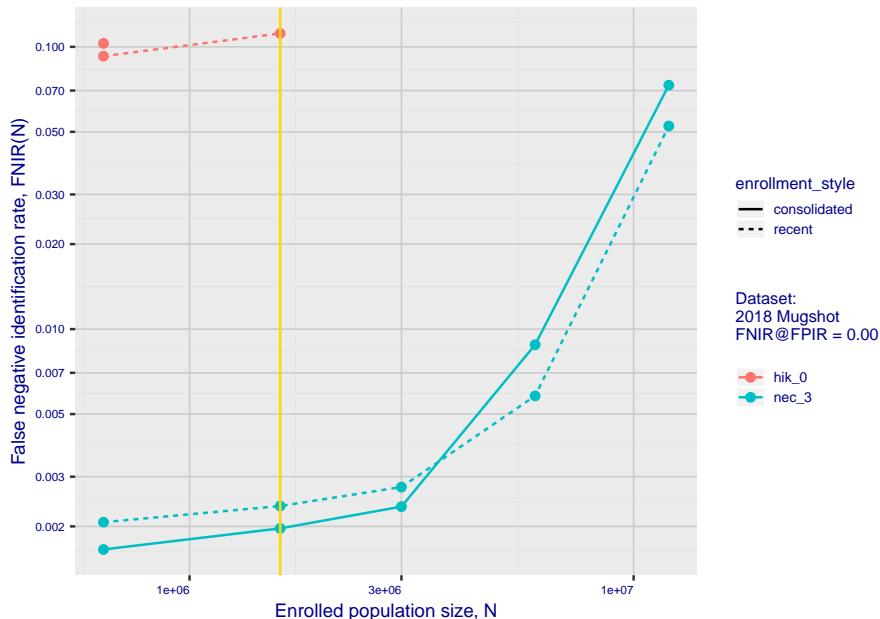
Algorithm:	hbinno_0
Developer:	loginface Corp
Submission Date:	2018_02_01
Template size:	520 bytes
Template time (2.5 percentile):	242 msec
Template time (median):	262 msec
Template time (97.5 percentile):	297 msec
Investigation rank 219 -- FNIR(160000, 0, 1) = 0.2726 vs. lowest 0.0010 from sensetime_003	
Identification rank 211 -- FNIR(160000, T, L+1) = 0.7646	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm hik\_0 2020-03-20 13:16:32

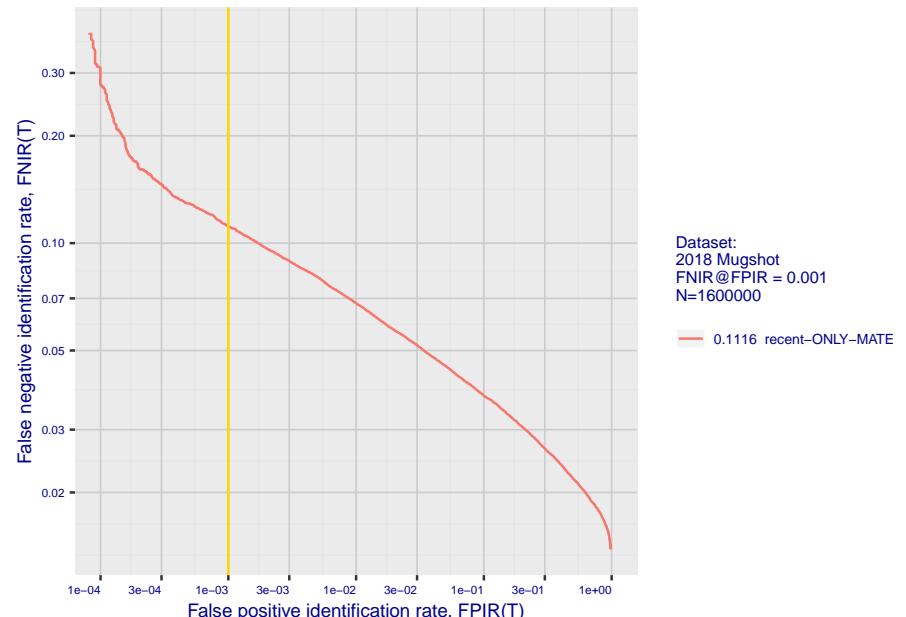
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



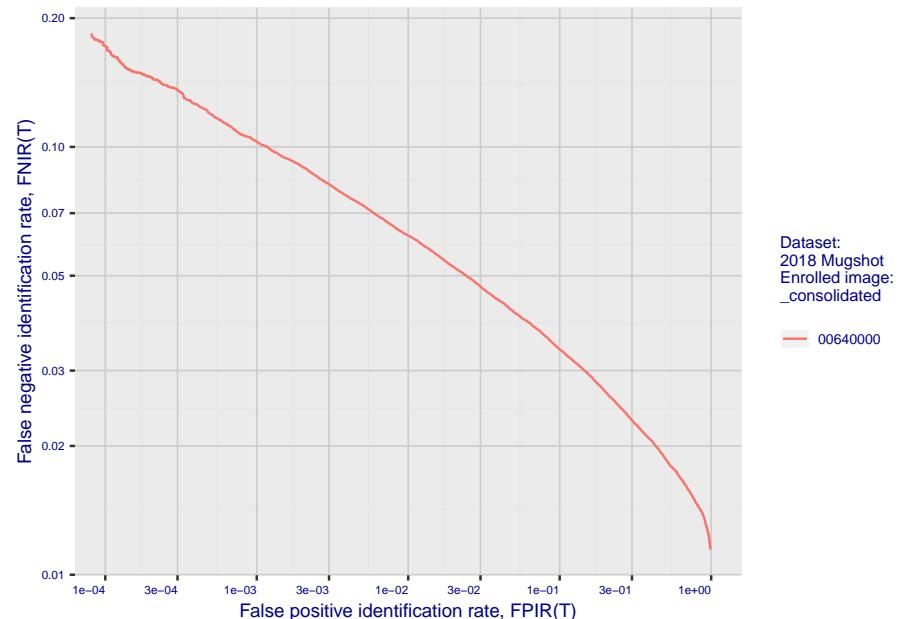
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

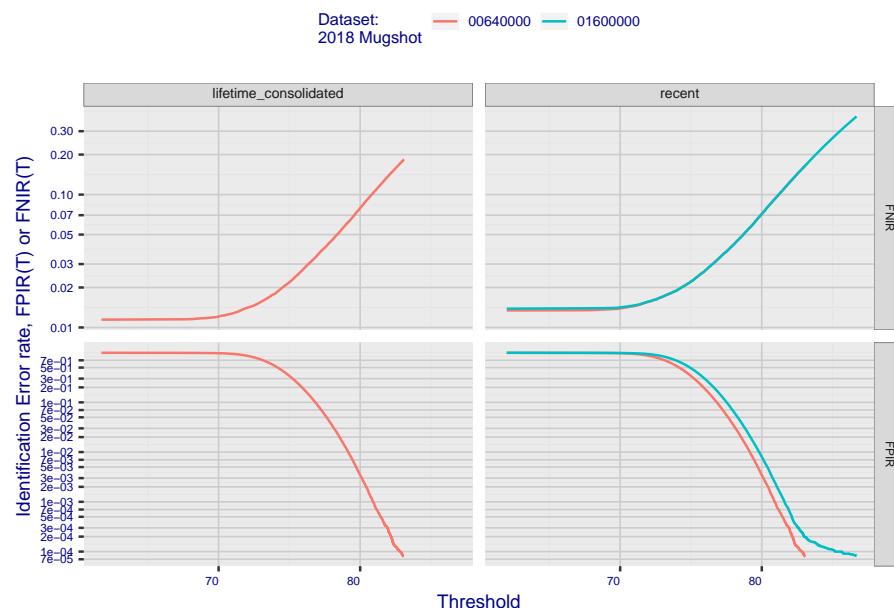


**Fig 4: DET for various N. Links connect points of equal threshold.**

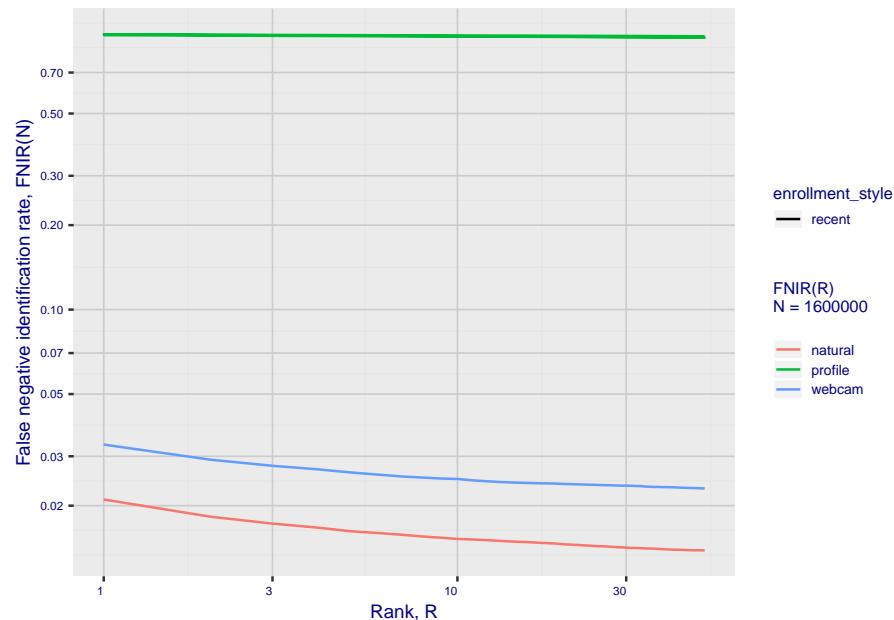


## 2. Report for algorithm hik\_0 2020-03-20 13:16:32

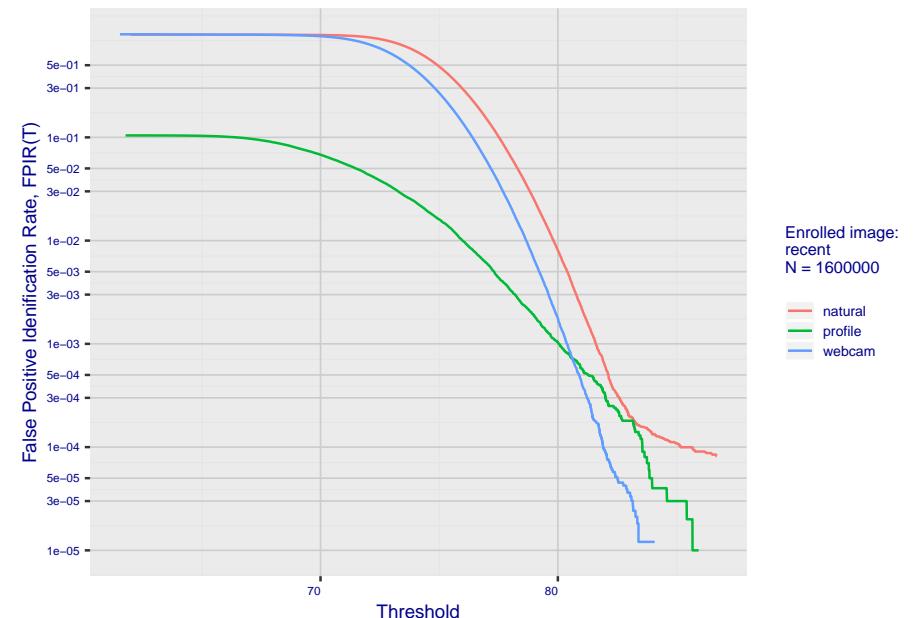
**Fig 5: Dependence on T by number enrolled identities**



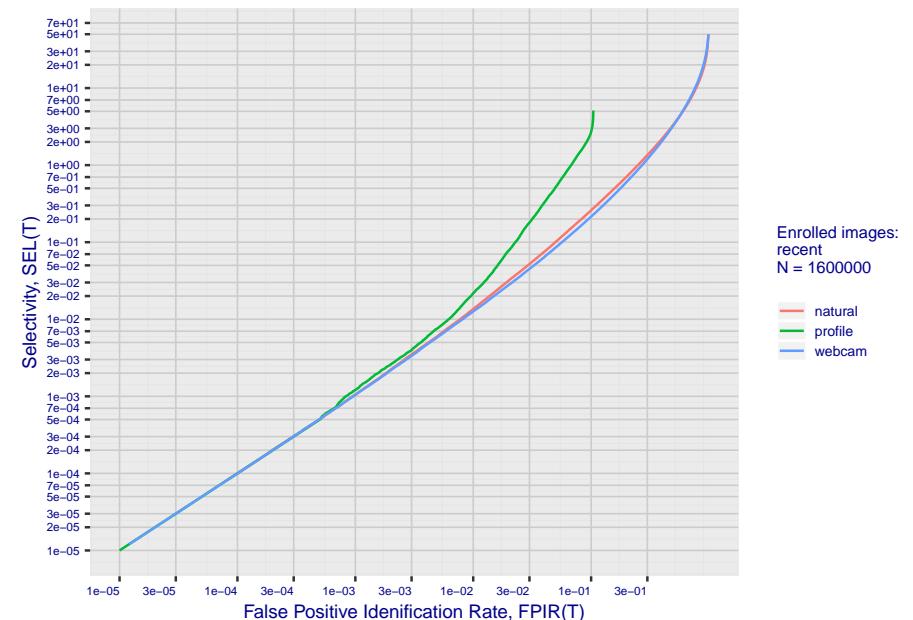
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

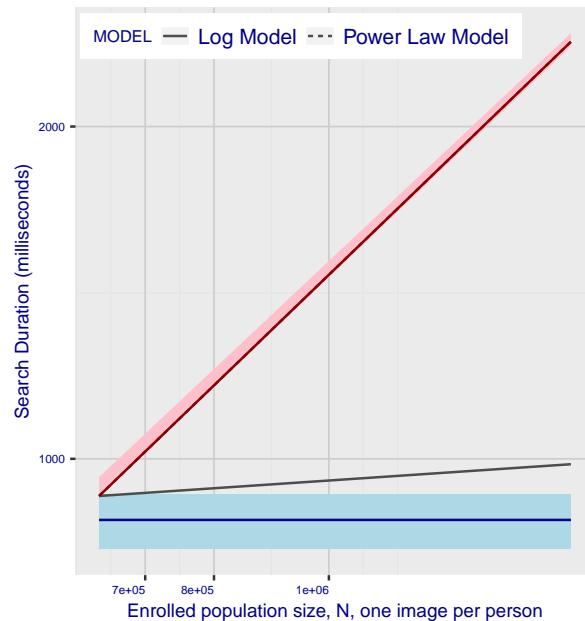


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm hik\_0 2020-03-20 13:16:32**

**Fig 10: Template duration; search duration vs. N**

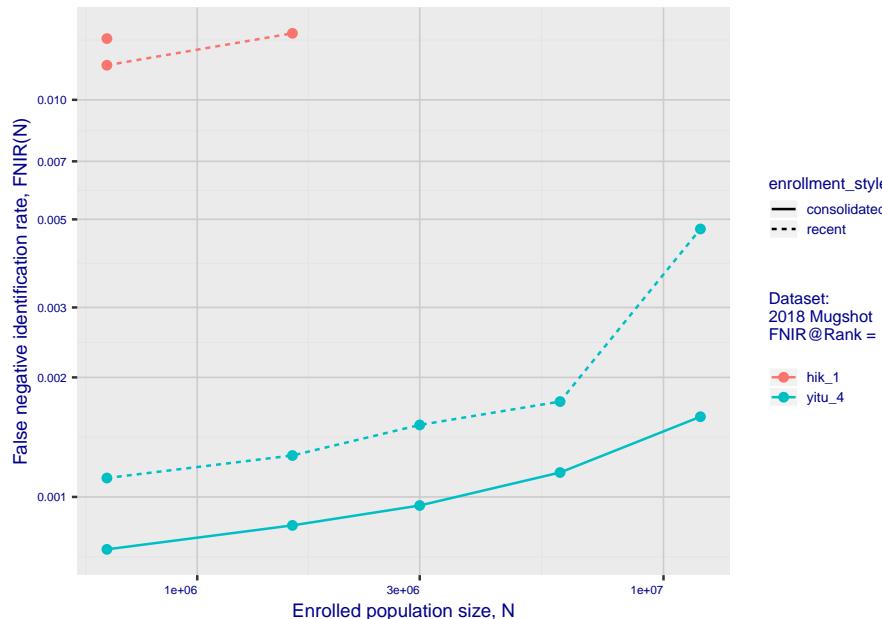


**Fig 11: Datasheet**

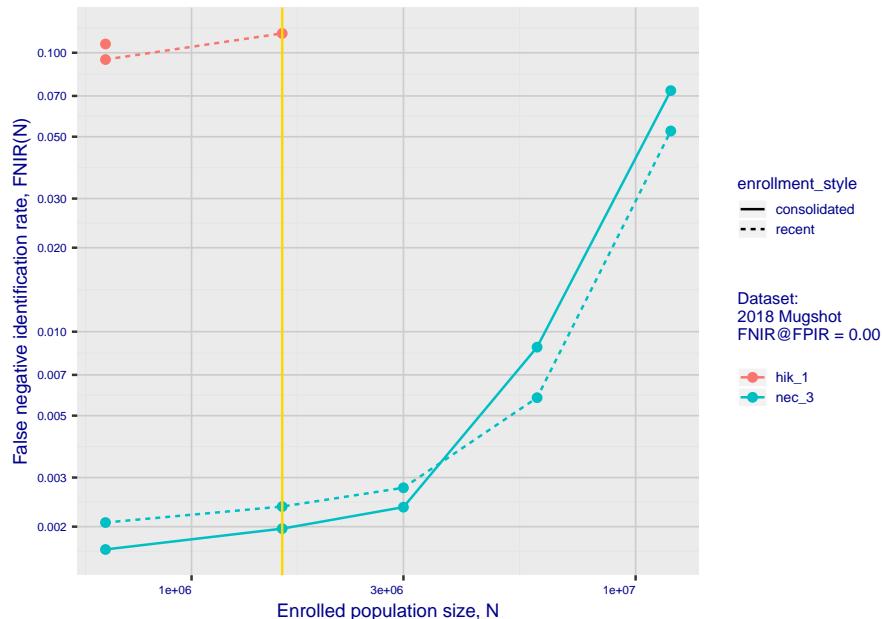
Algorithm:	hik_0
Developer:	Hikvision Research Institute
Submission Date:	2018_02_12
Template size:	1808 bytes
Template time (2.5 percentile):	828 msec
Template time (median):	880 msec
Template time (97.5 percentile):	929 msec
Investigation rank 140 -- FNIR(1600000, 0, 1) = 0.0210 vs. lowest 0.0010 from sensetime_003	
Identification rank 113 -- FNIR(1600000, T, L+1) = 0.1116	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm hik\_1 2020-03-20 13:16:20

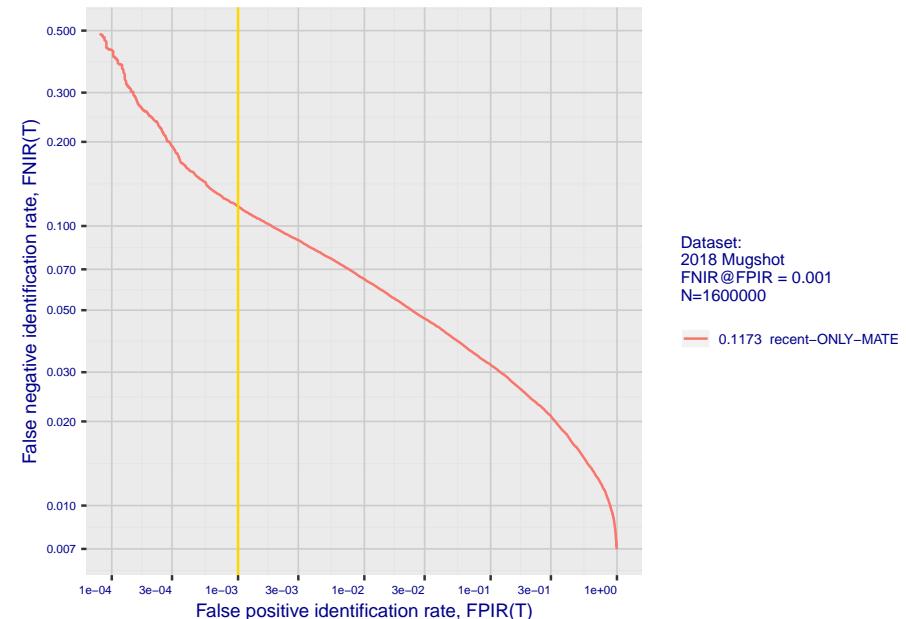
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



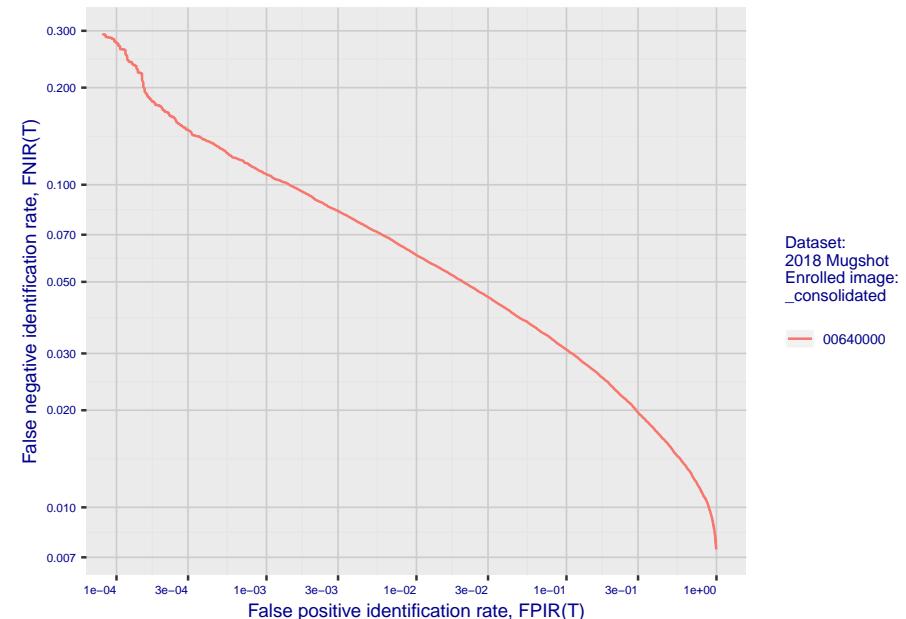
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

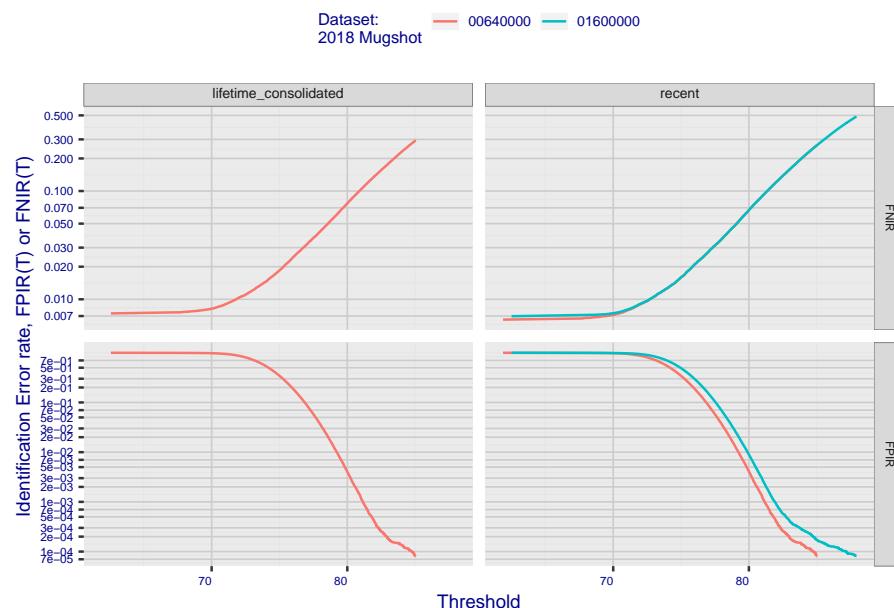


**Fig 4: DET for various N. Links connect points of equal threshold.**

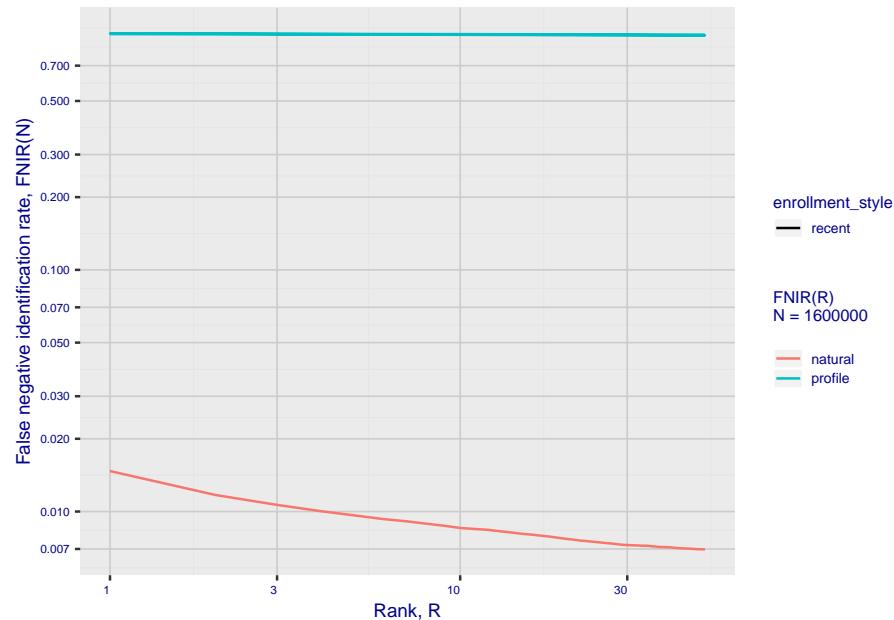


## 2. Report for algorithm hik\_1 2020-03-20 13:16:20

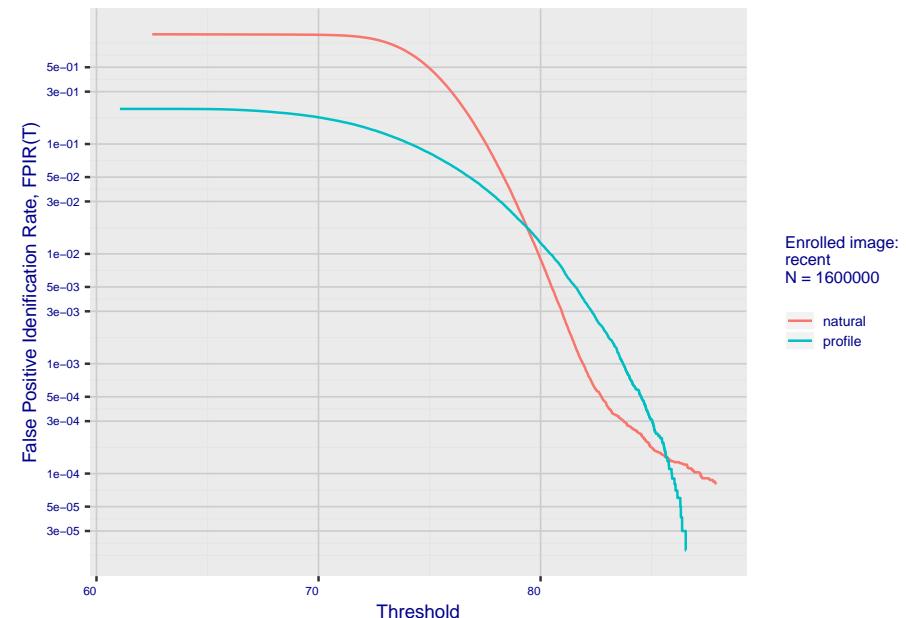
**Fig 5: Dependence on T by number enrolled identities**



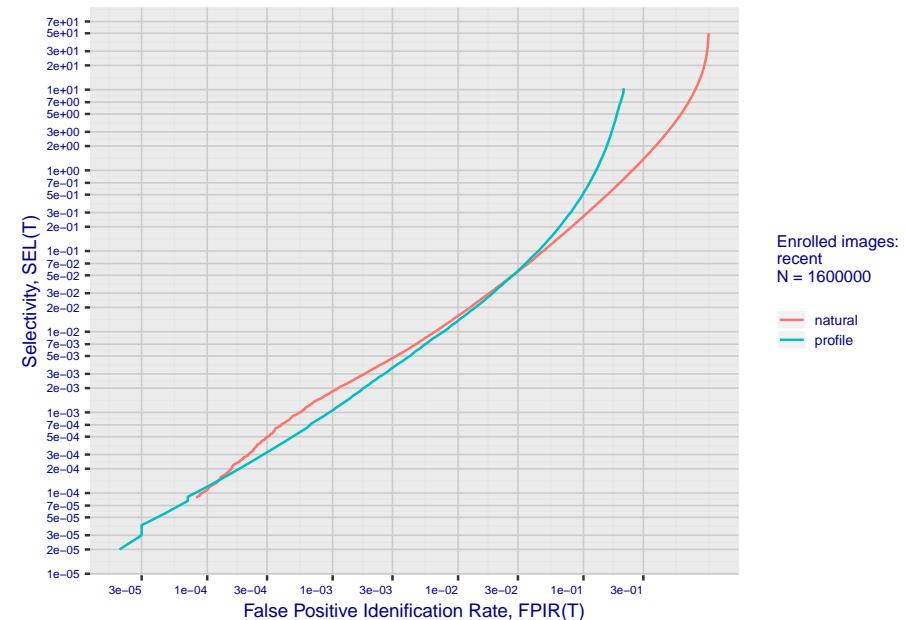
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

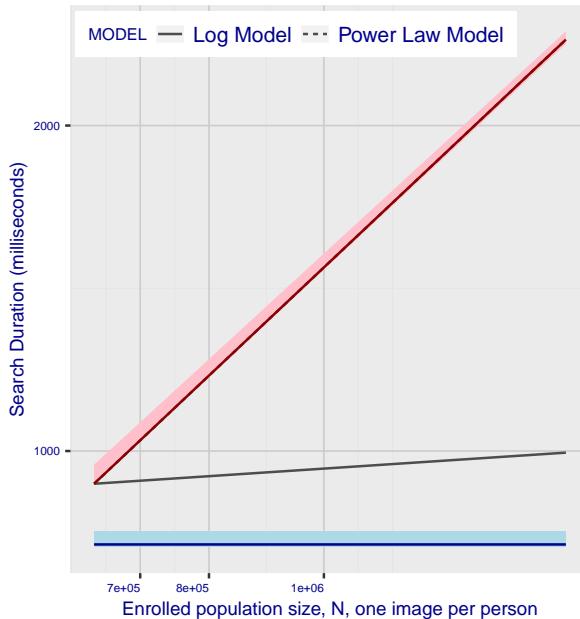


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm hik\_1    2020-03-20 13:16:20**

**Fig 10: Template duration; search duration vs. N**

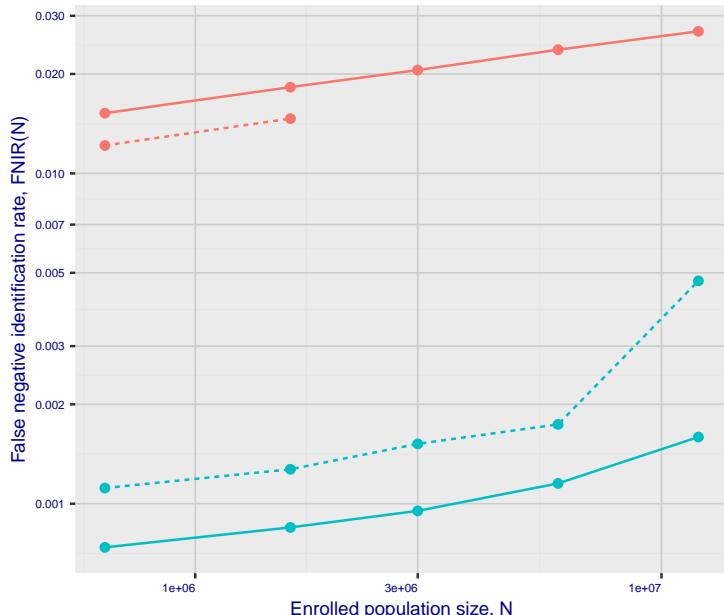


**Fig 11: Datasheet**

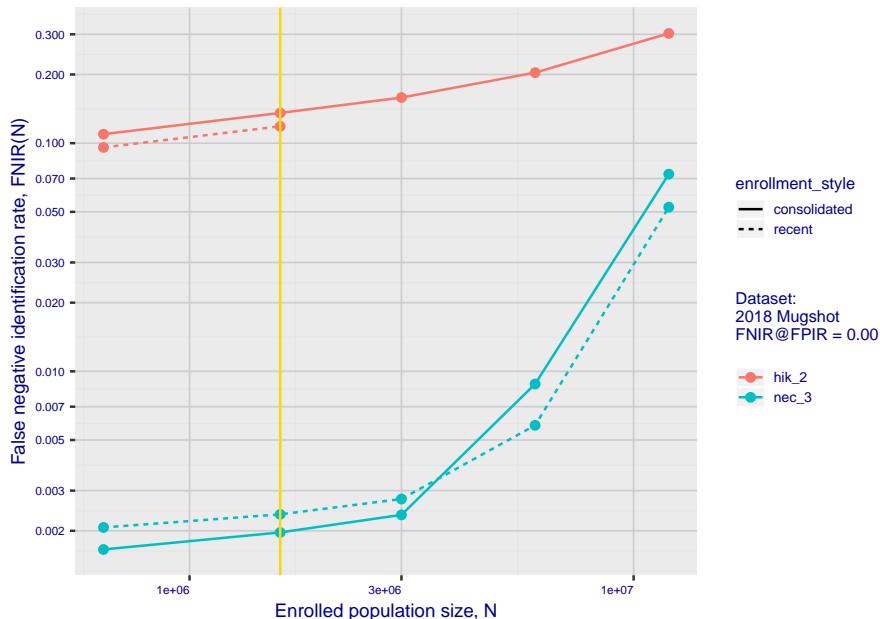
Algorithm: hik_1
Developer: Hikvision Research Institute
Submission Date: 2018_02_12
Template size: 1808 bytes
Template time (2.5 percentile): 815 msec
Template time (median): 820 msec
Template time (97.5 percentile): 842 msec
Investigation rank 121 -- FNIR(160000, 0, 1) = 0.0147 vs. lowest 0.0010 from sensetime_003
Identification rank 118 -- FNIR(160000, T, L+1) = 0.1173
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm hik\_2 2020-03-20 13:16:12

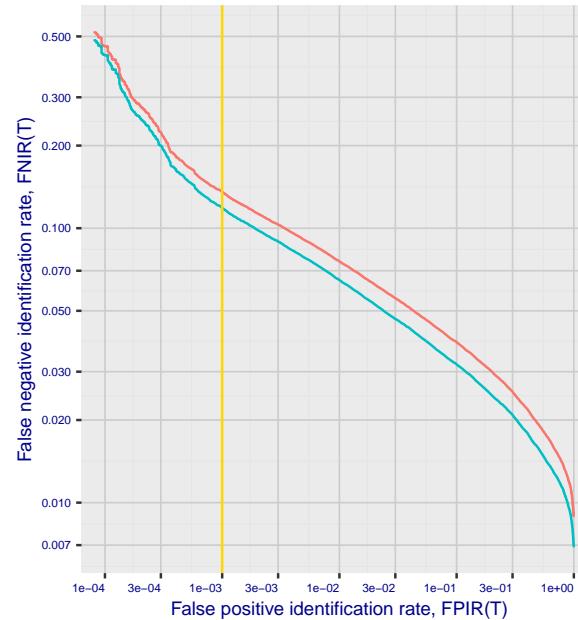
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



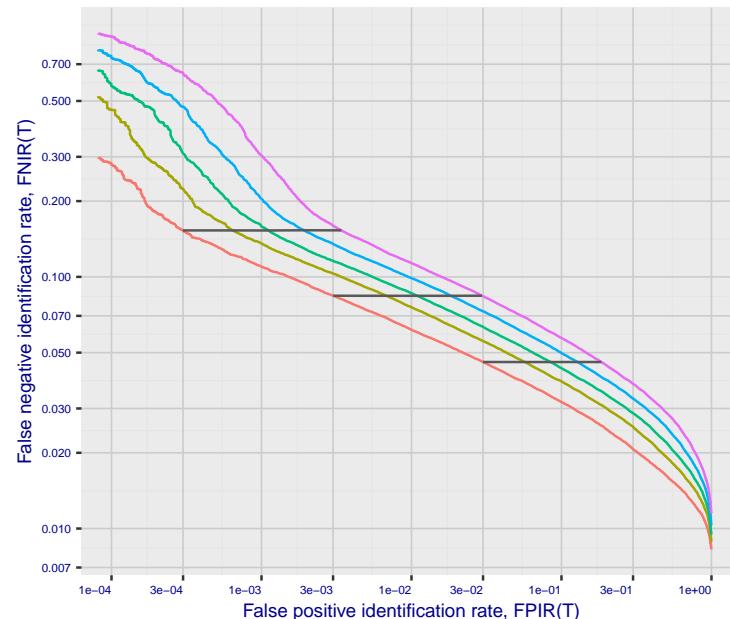
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

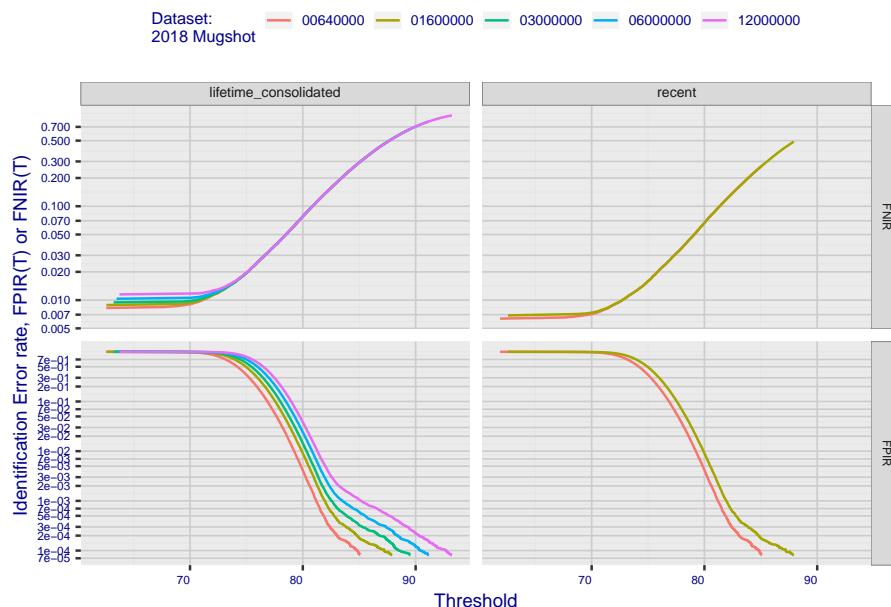


**Fig 4: DET for various N. Links connect points of equal threshold.**

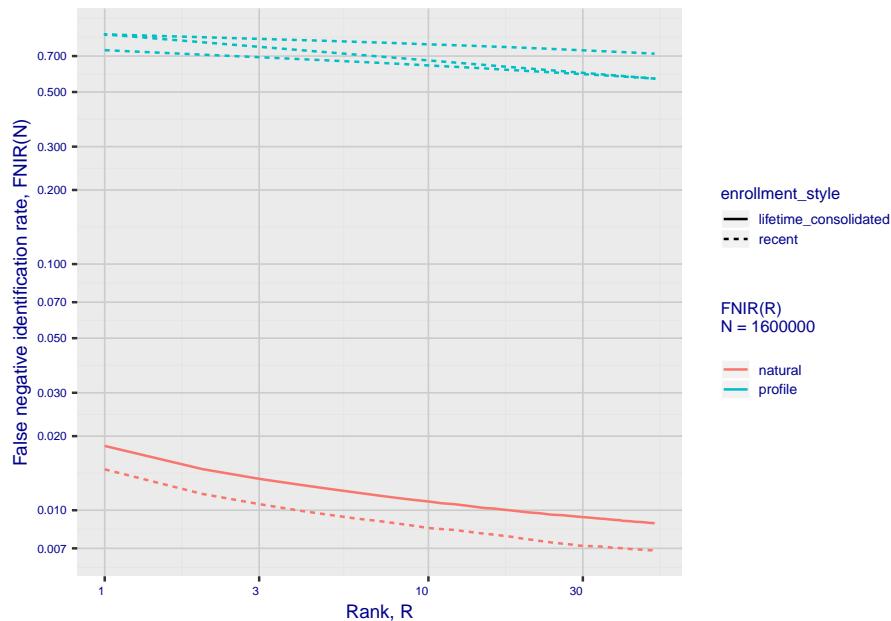


## 2. Report for algorithm hik\_2 2020-03-20 13:16:12

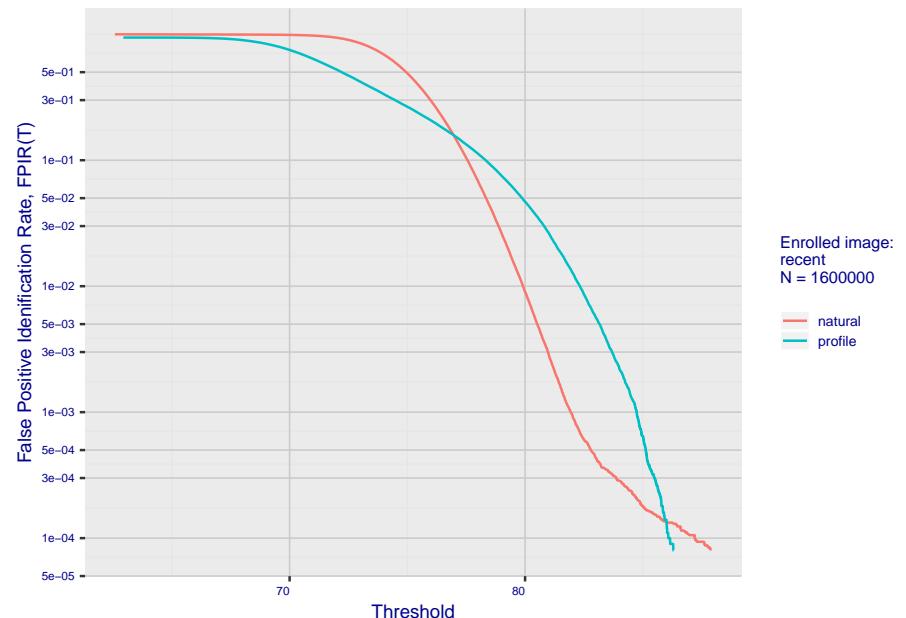
**Fig 5: Dependence on T by number enrolled identities**



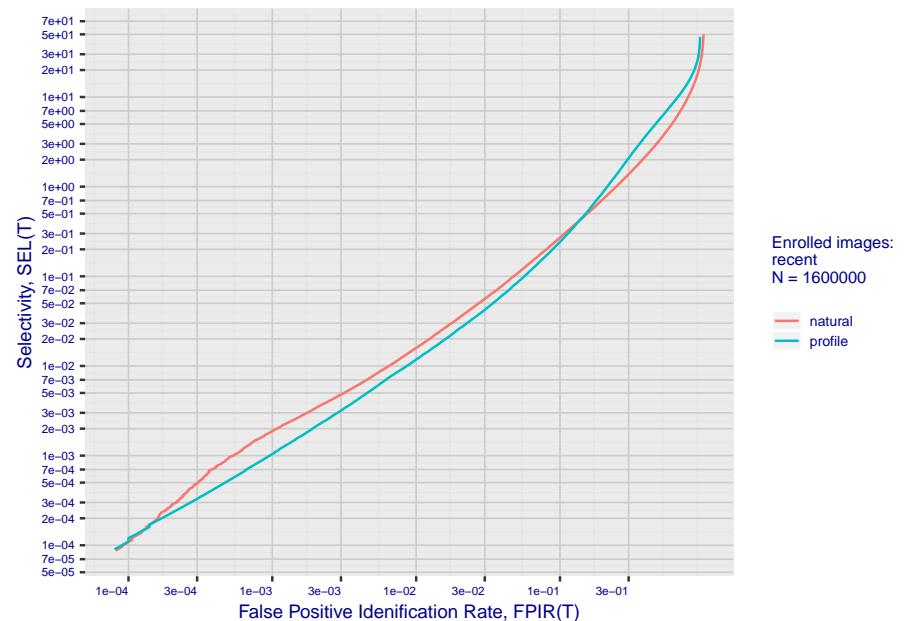
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

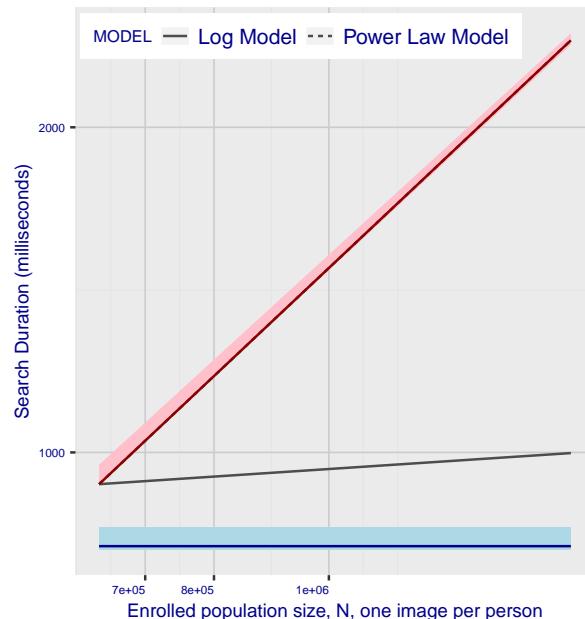


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm hik\_2 2020-03-20 13:16:12**

**Fig 10: Template duration; search duration vs. N**

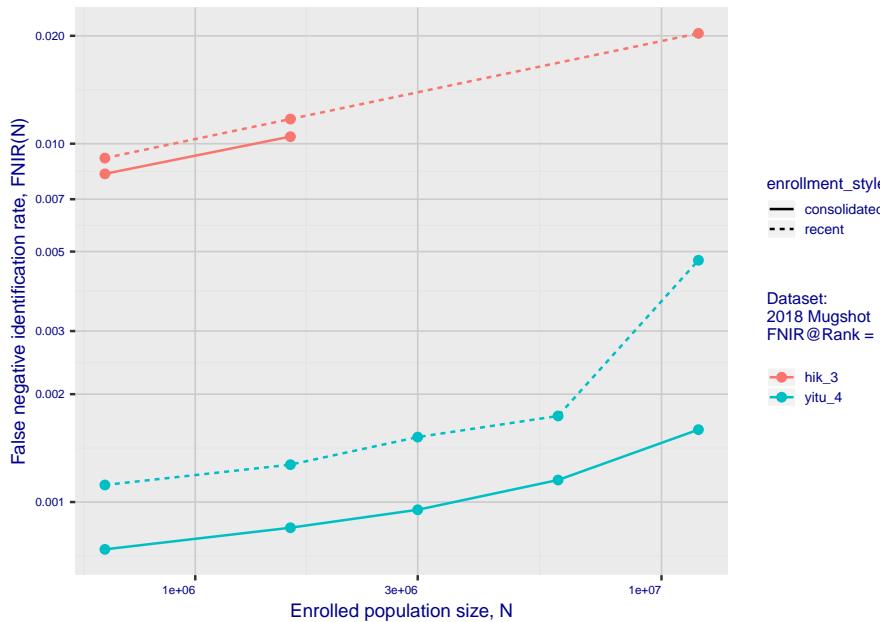


**Fig 11: Datasheet**

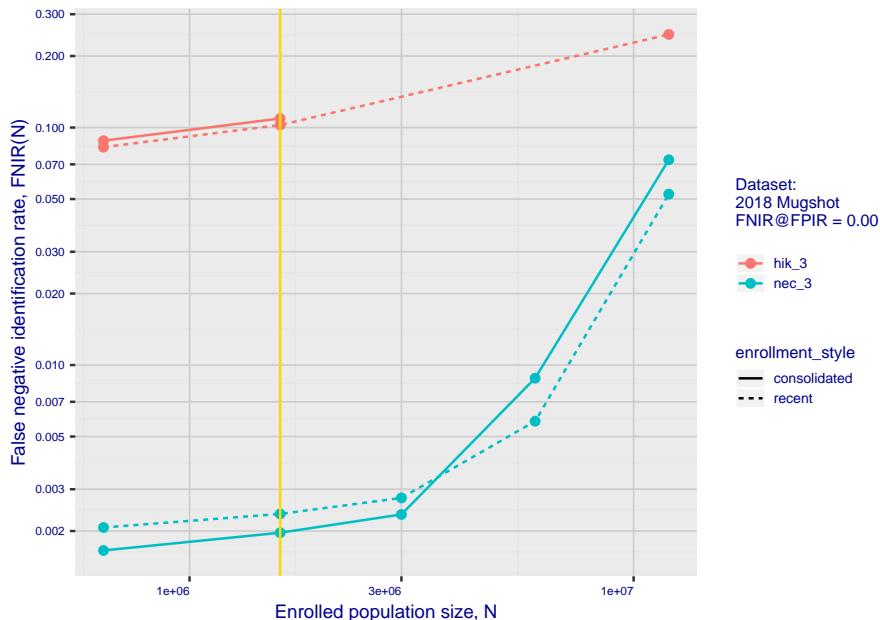
Algorithm: hik\_2  
Developer: Hikvision Research Institute  
Submission Date: 2018\_02\_12  
Template size: 1808 bytes  
Template time (2.5 percentile): 813 msec  
Template time (median): 819 msec  
Template time (97.5 percentile): 854 msec  
Investigation rank 120 -- FNIR(1600000, 0, 1) = 0.0147 vs. lowest 0.0010 from sensetime\_003  
Identification rank 119 -- FNIR(1600000, T, L+1) = 0.1185  
FPIR = 0.001 vs. lowest 0.0018 from sensetime\_003

# 1. Report for algorithm hik\_3 2020-03-20 13:19:56

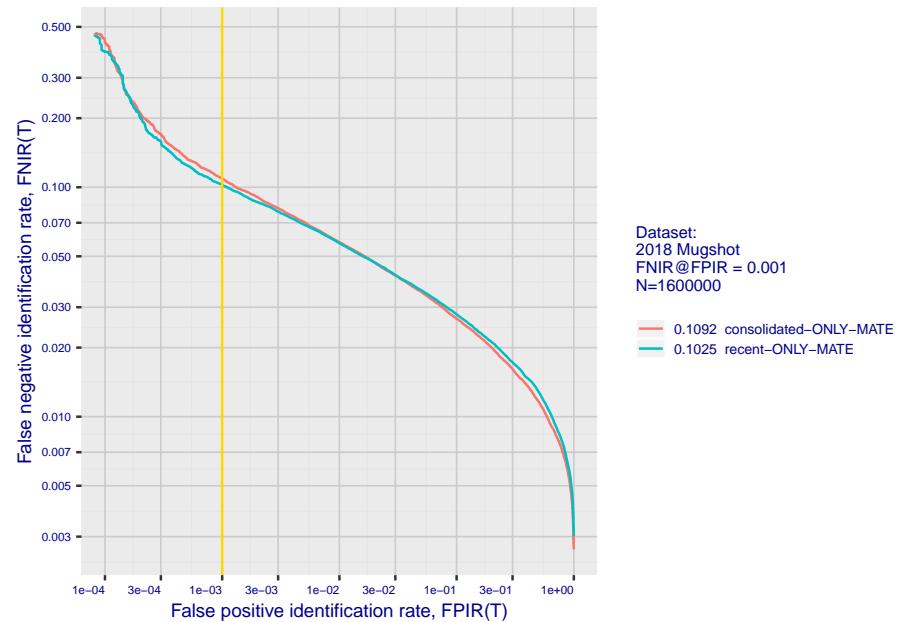
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



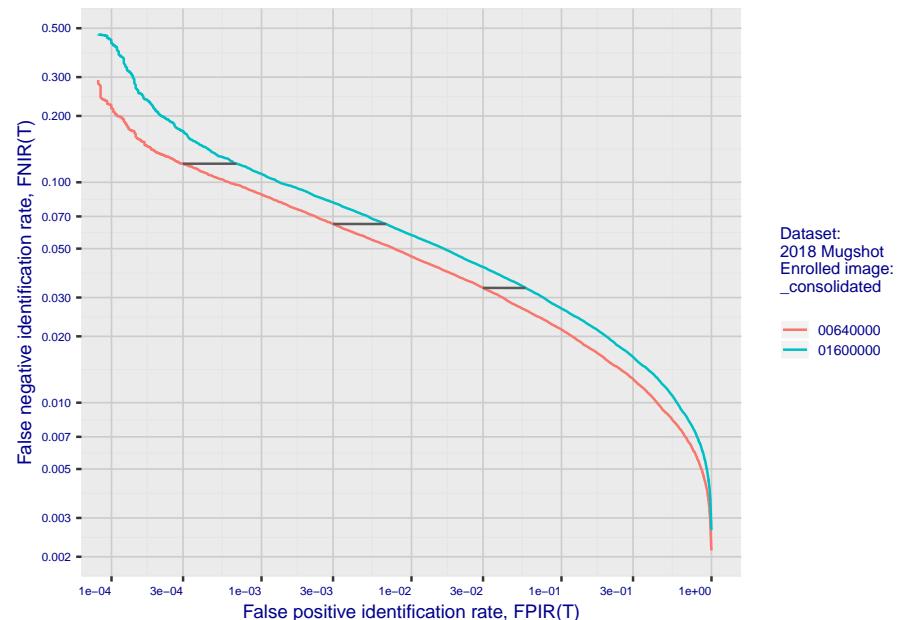
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

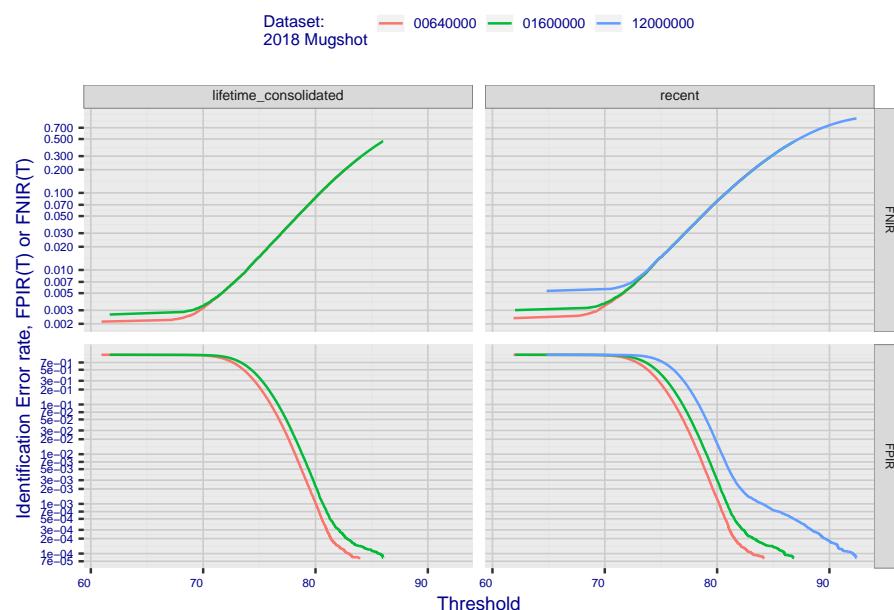


**Fig 4: DET for various N. Links connect points of equal threshold.**

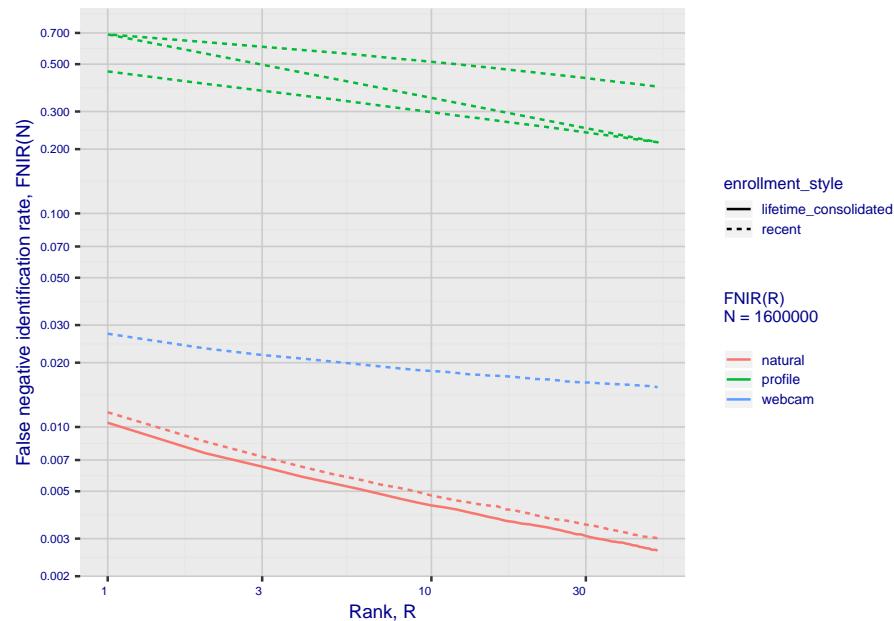


## 2. Report for algorithm hik\_3 2020-03-20 13:19:56

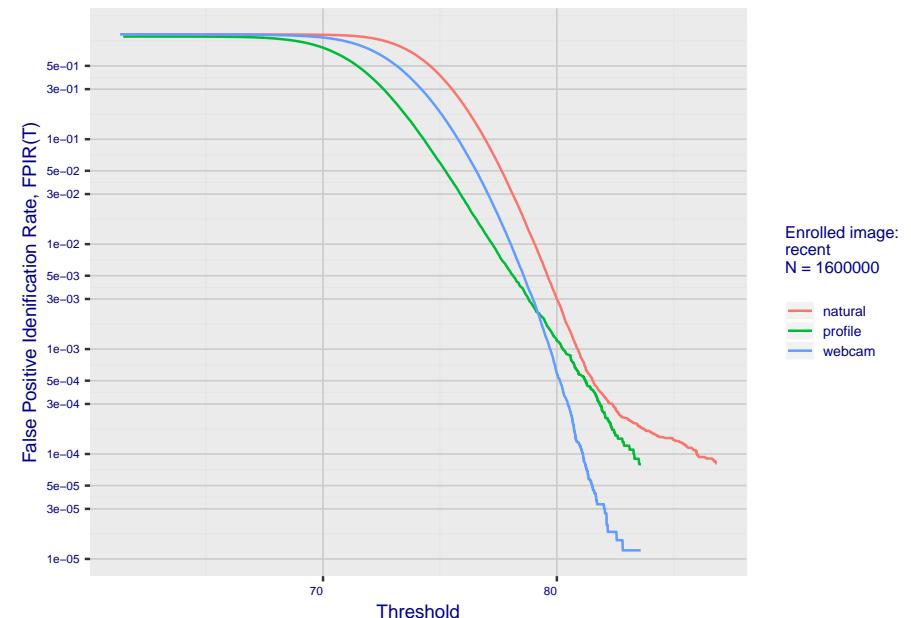
**Fig 5: Dependence on T by number enrolled identities**



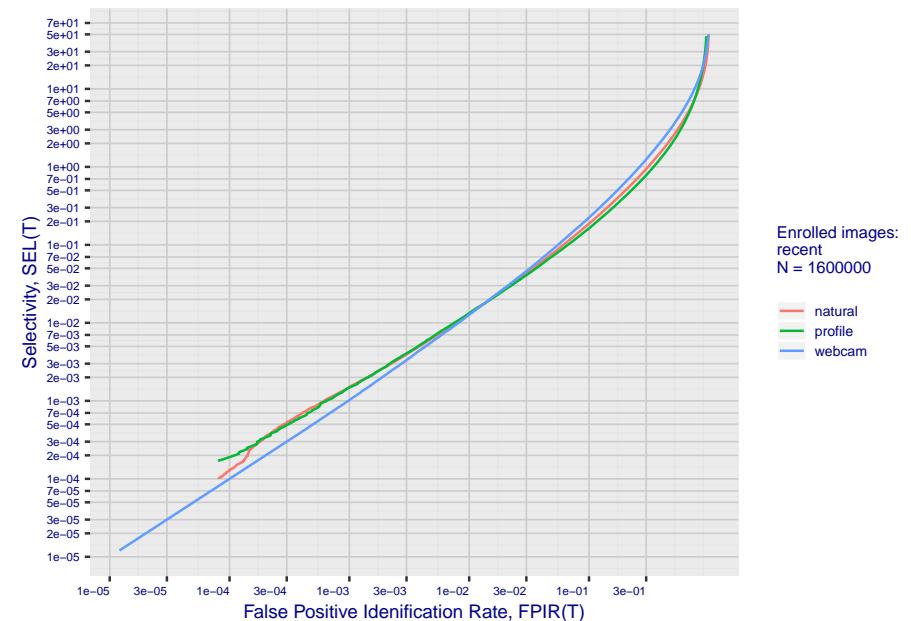
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm hik\_3 2020-03-20 13:19:56

Fig 10: Template duration; search duration vs. N

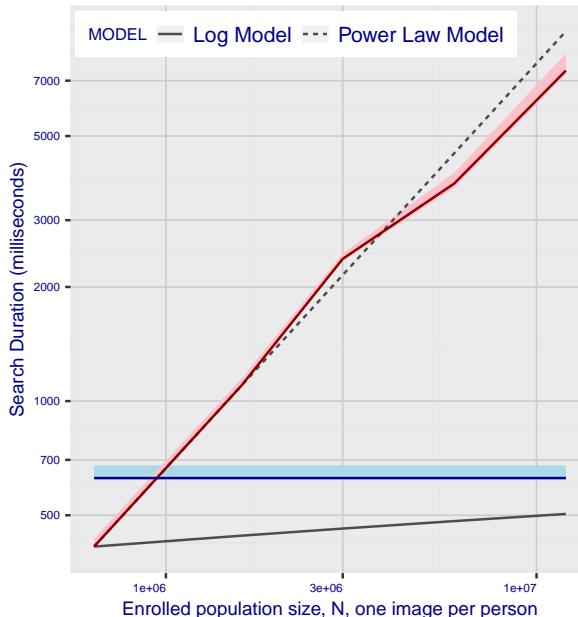
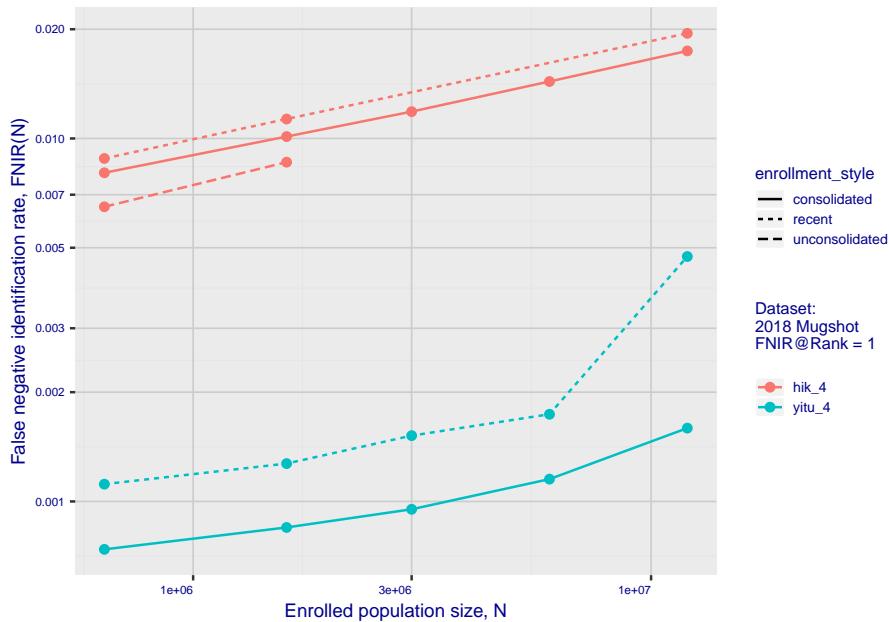


Fig 11: Datasheet

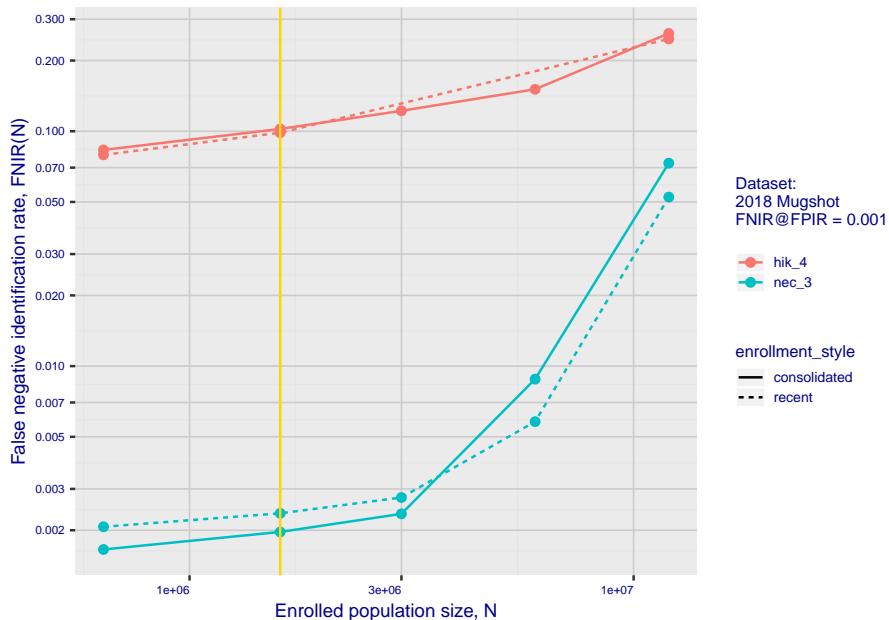
Algorithm:	hik_3
Developer:	Hikvision Research Institute
Submission Date:	2018_06_30
Template size:	1408 bytes
Template time (2.5 percentile):	623 msec
Template time (median):	627 msec
Template time (97.5 percentile):	677 msec
Investigation rank 110 -- FNIR(160000, 0, 1) = 0.0117 vs. lowest 0.0010 from sensetime_003	
Identification rank 108 -- FNIR(160000, T, L+1) = 0.1025	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm hik\_4 2020-03-20 13:16:23

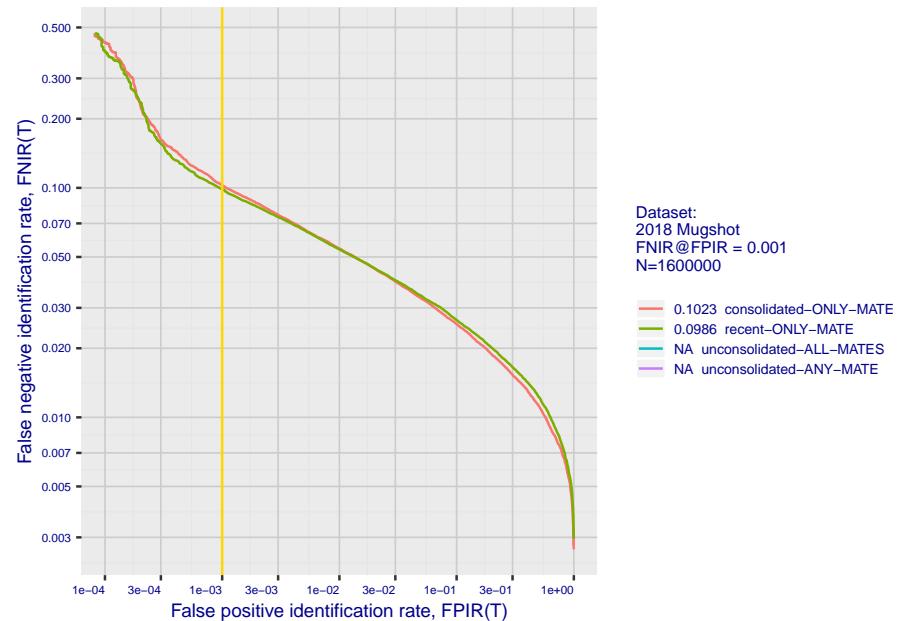
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



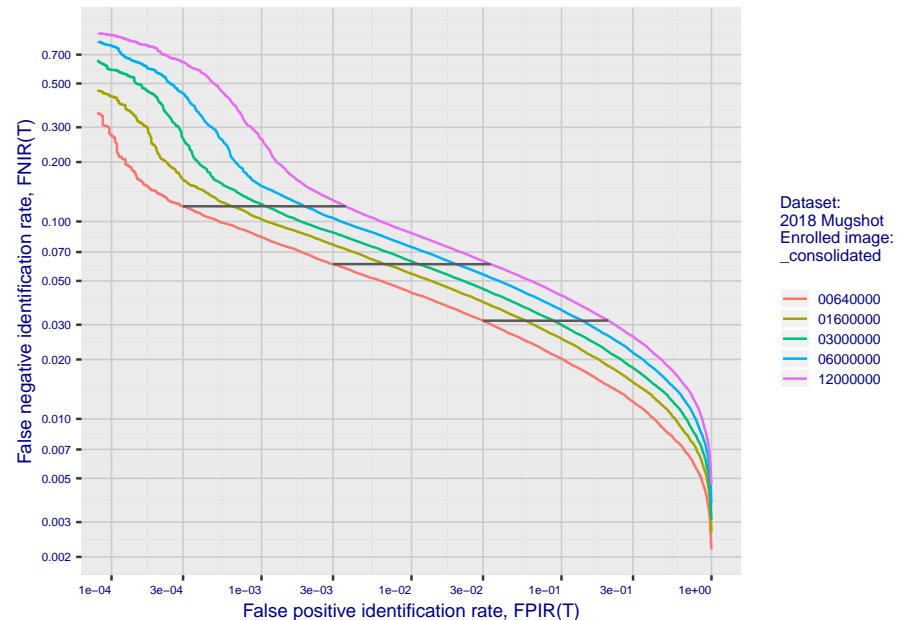
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

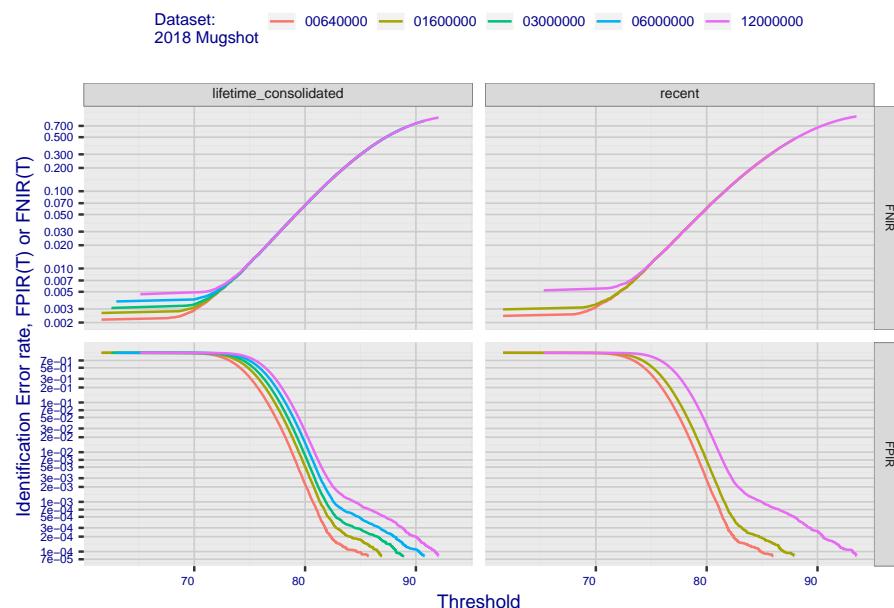


**Fig 4: DET for various N. Links connect points of equal threshold.**

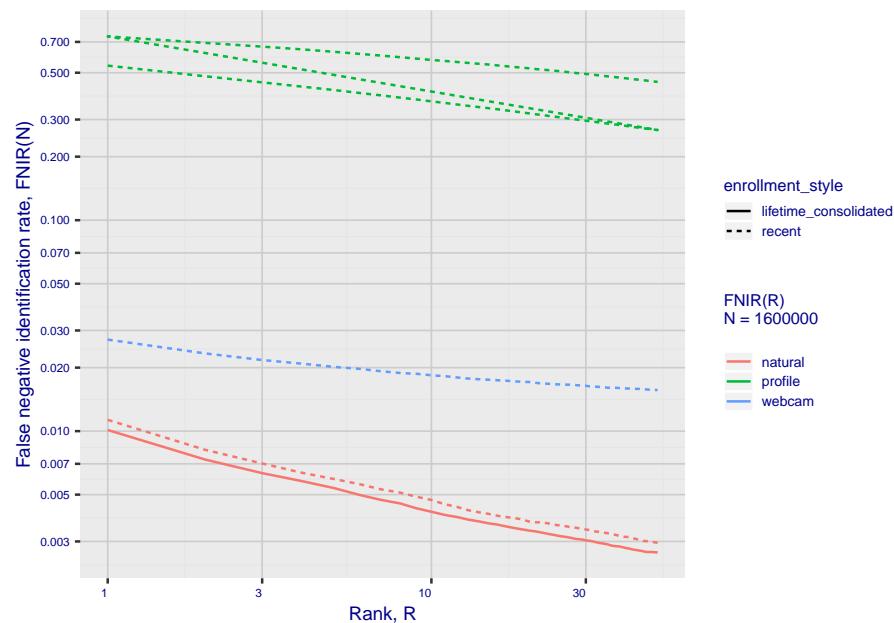


## 2. Report for algorithm hik\_4 2020-03-20 13:16:23

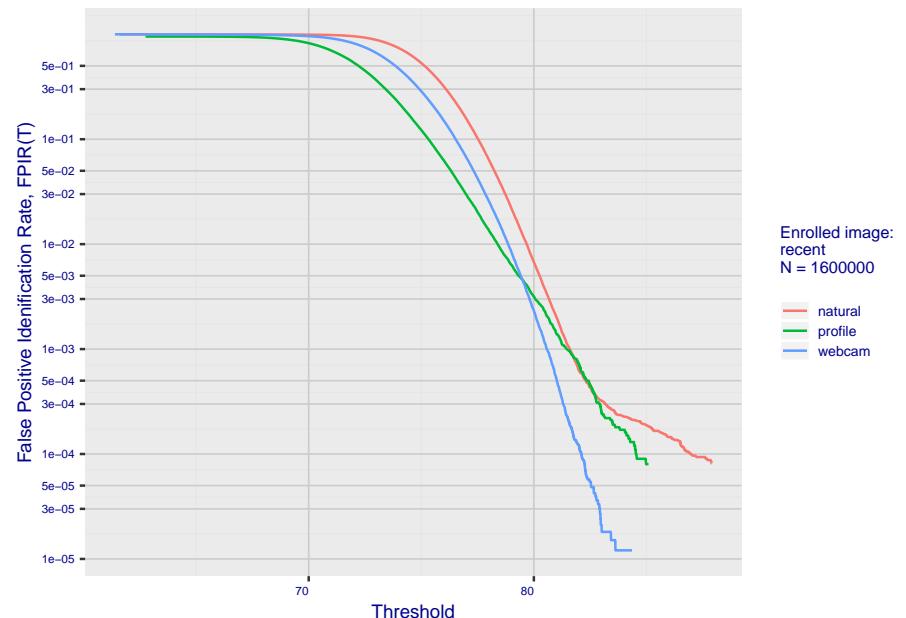
**Fig 5: Dependence on T by number enrolled identities**



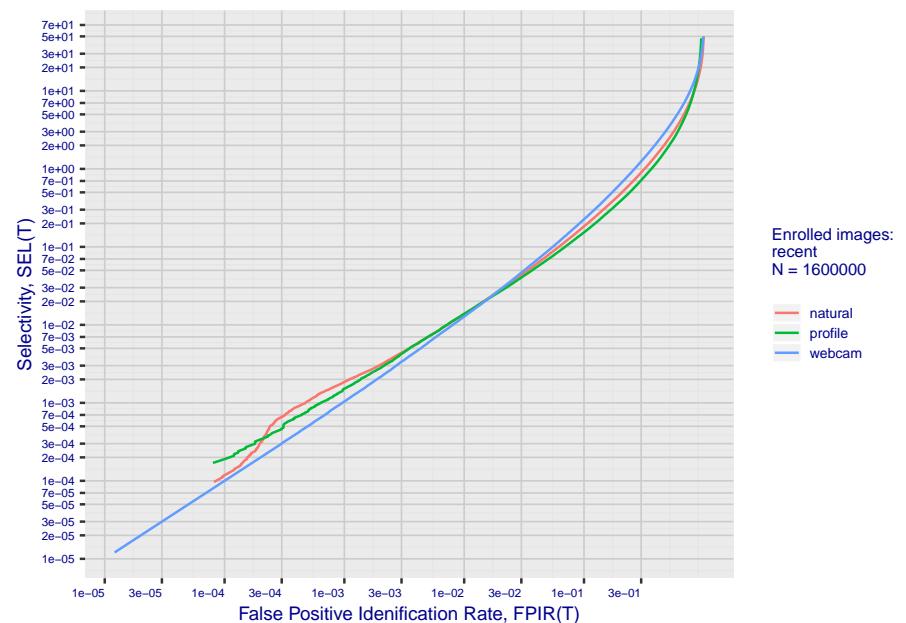
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

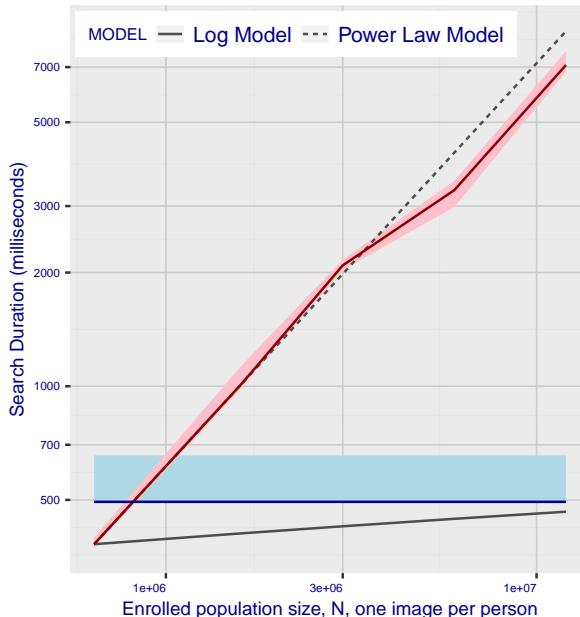


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm hik\_4 2020-03-20 13:16:23**

**Fig 10: Template duration; search duration vs. N**

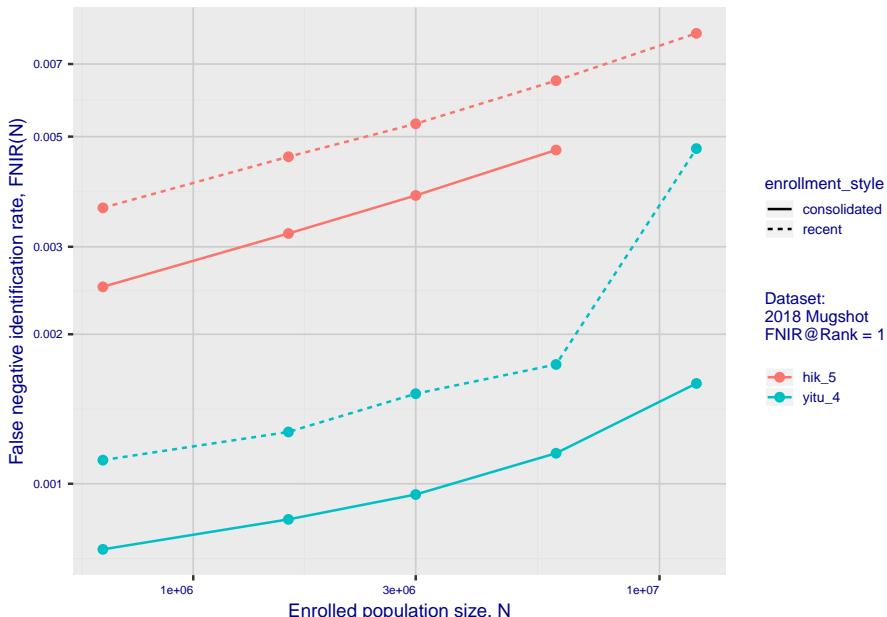


**Fig 11: Datasheet**

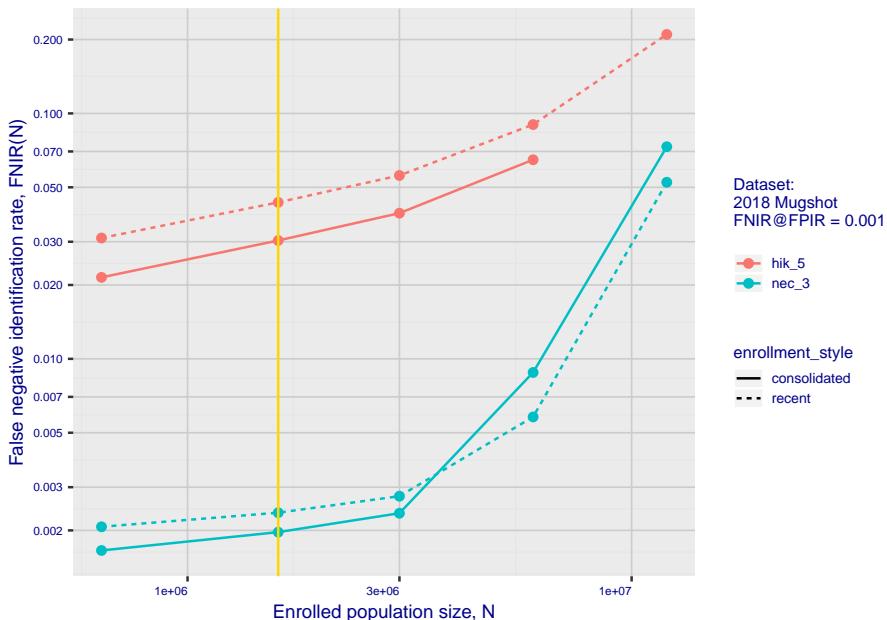
Algorithm:	hik_4
Developer:	Hikvision Research Institute
Submission Date:	2018_06_30
Template size:	1152 bytes
Template time (2.5 percentile):	491 msec
Template time (median):	494 msec
Template time (97.5 percentile):	655 msec
Investigation rank 107 -- FNIR(160000, 0, 1) = 0.0113 vs. lowest 0.0010 from sensetime_003	
Identification rank 104 -- FNIR(160000, T, L+1) = 0.0986	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm hik\_5 2020-03-20 13:16:25

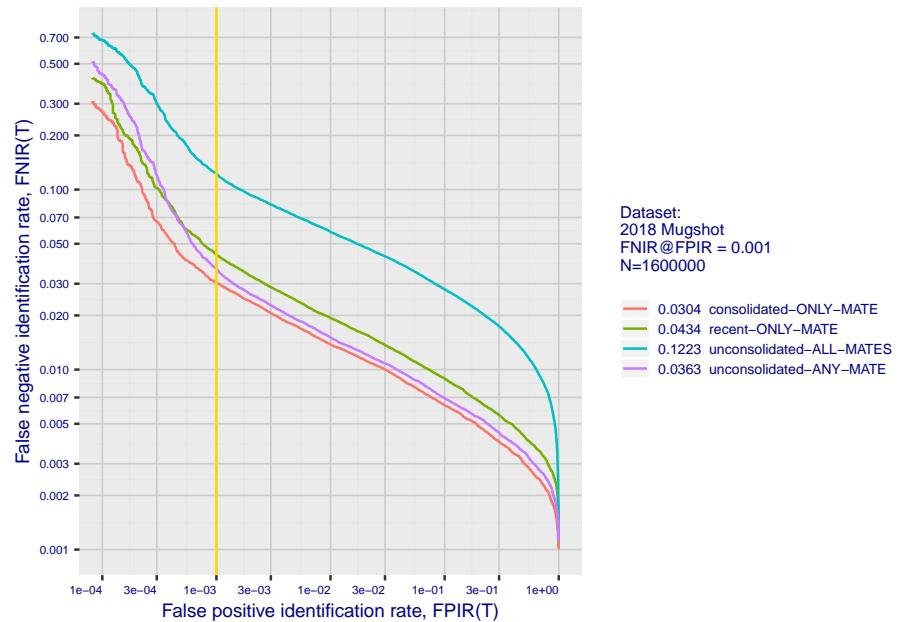
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



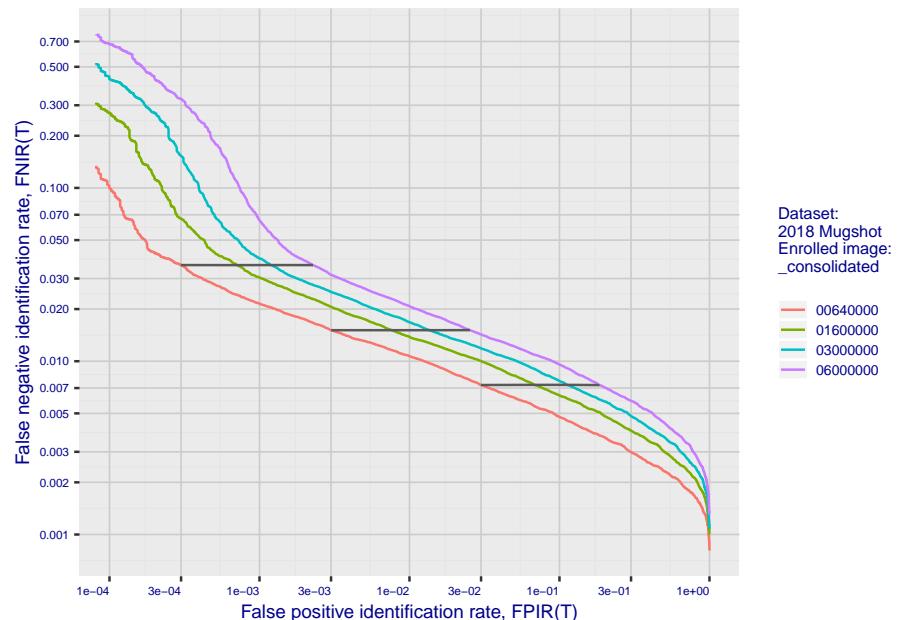
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

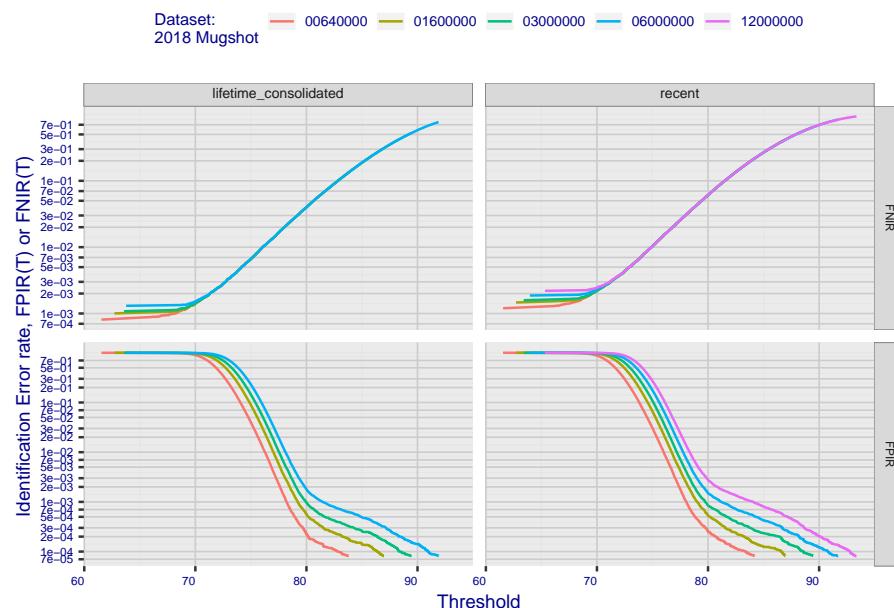


**Fig 4: DET for various N. Links connect points of equal threshold.**

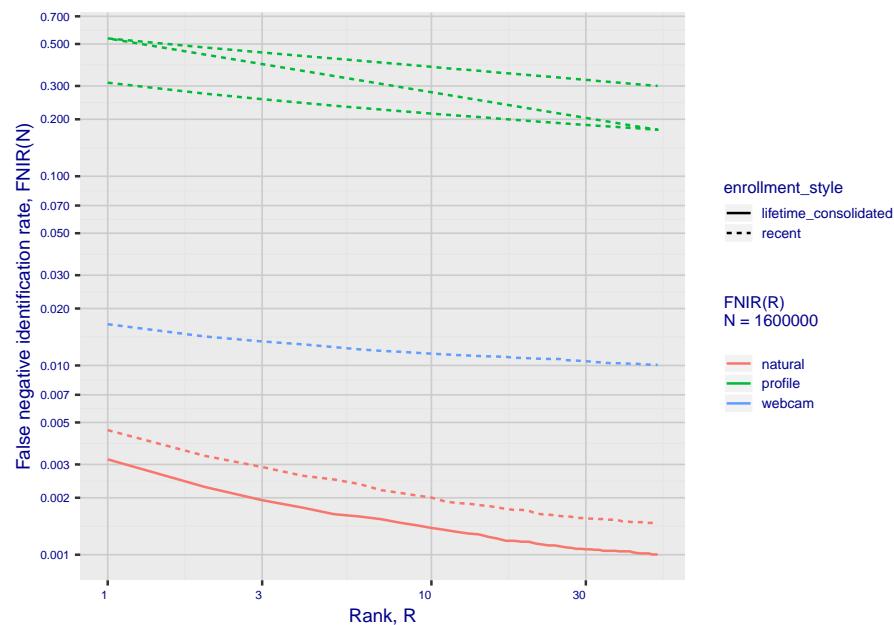


## 2. Report for algorithm hik\_5 2020-03-20 13:16:25

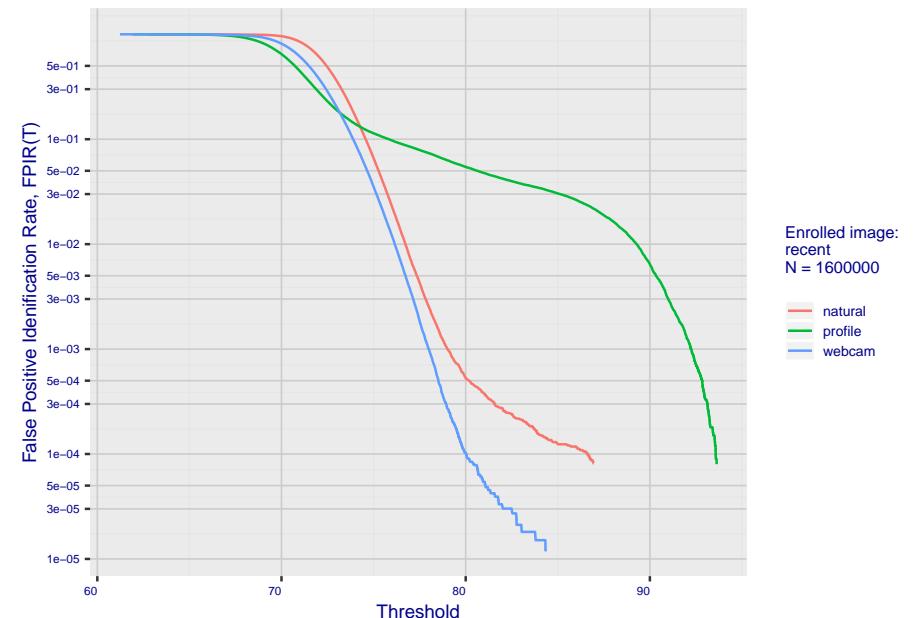
**Fig 5: Dependence on T by number enrolled identities**



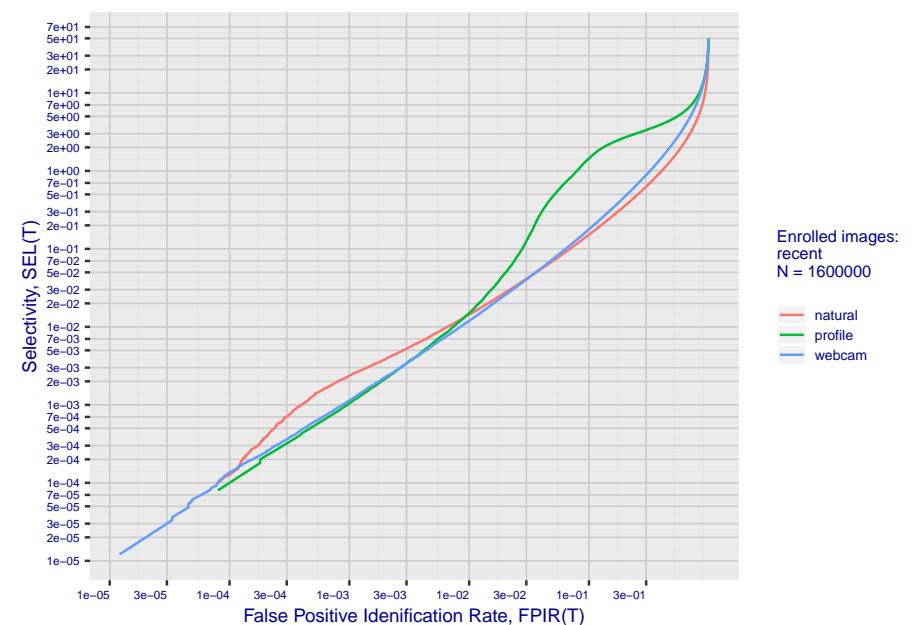
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm hik\_5 2020-03-20 13:16:25

Fig 9: Solo-Twin and Twin-Twin similarity scores

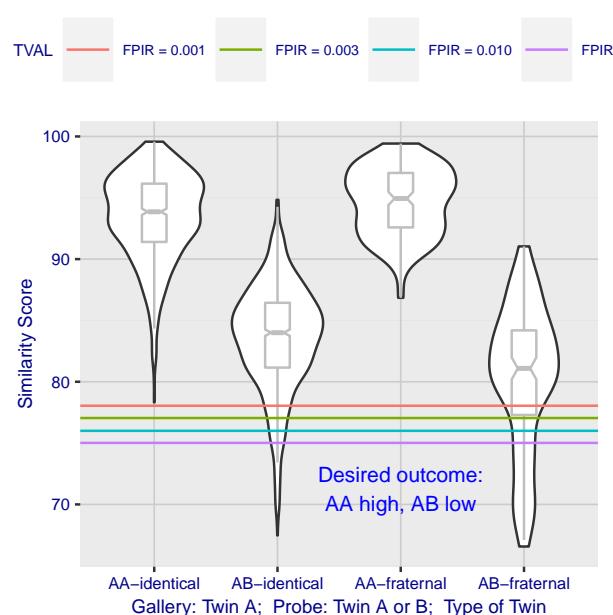


Fig 10: Template duration; search duration vs. N

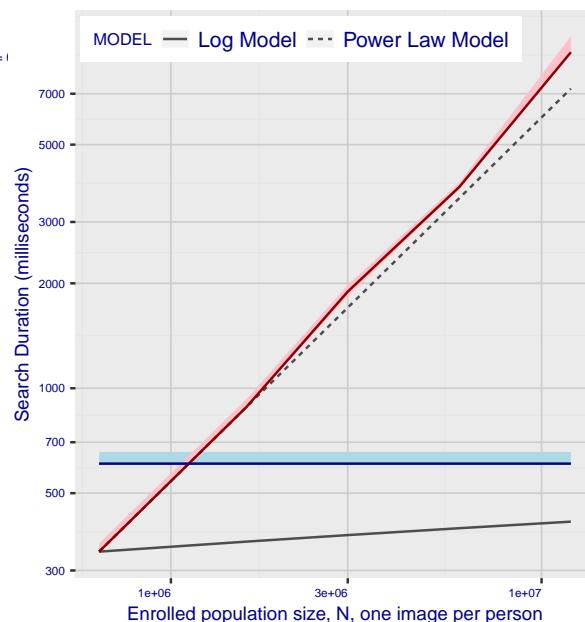
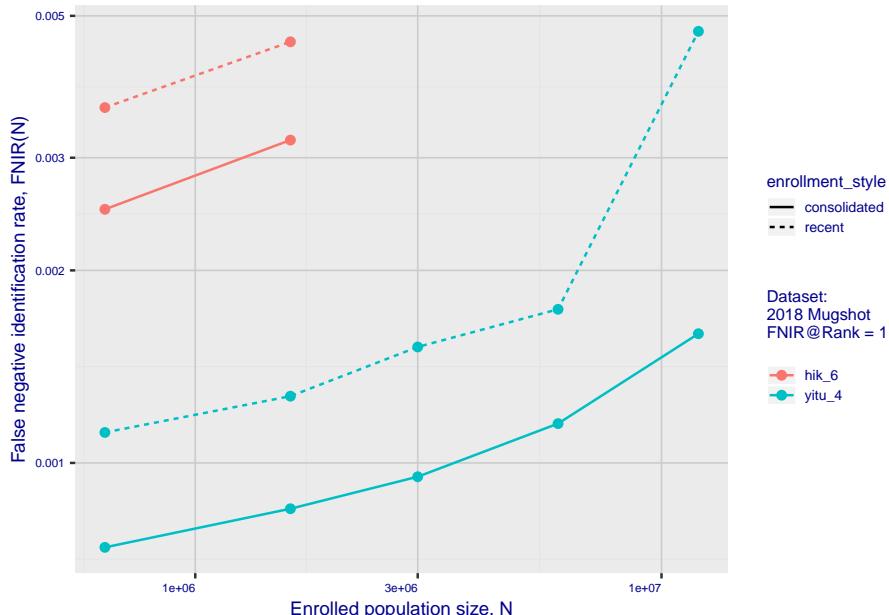


Fig 11: Datasheet

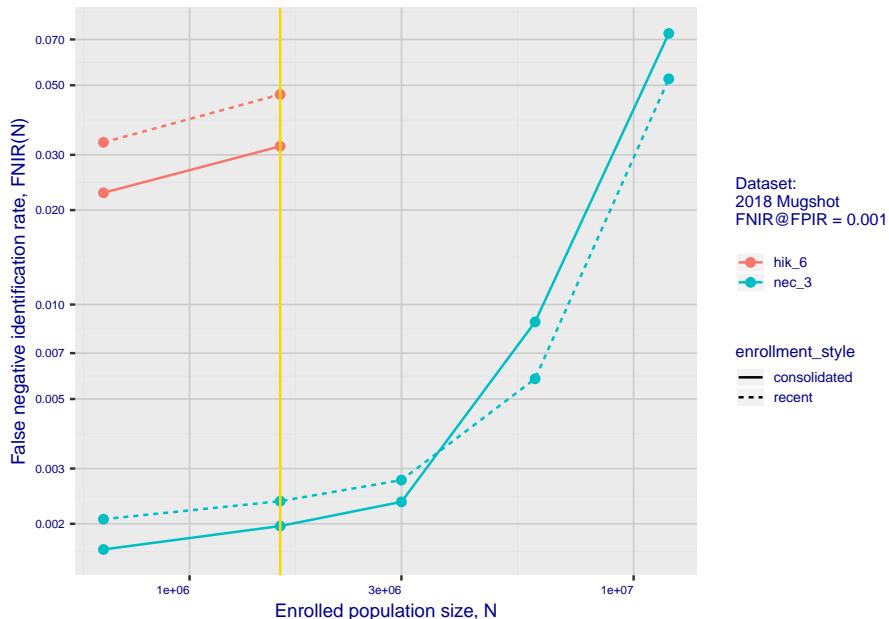
Algorithm:	hik_5
Developer:	Hikvision Research Institute
Submission Date:	2018_10_29
Template size:	1408 bytes
Template time (2.5 percentile):	607 msec
Template time (median):	608 msec
Template time (97.5 percentile):	657 msec
Investigation rank 54 --- FNIR(1600000, 0, 1) = 0.0046 vs. lowest 0.0010 from sensetime_003	
Identification rank 43 --- FNIR(1600000, T, L+1) = 0.0434	
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm hik\_6 2020-03-20 13:20:11

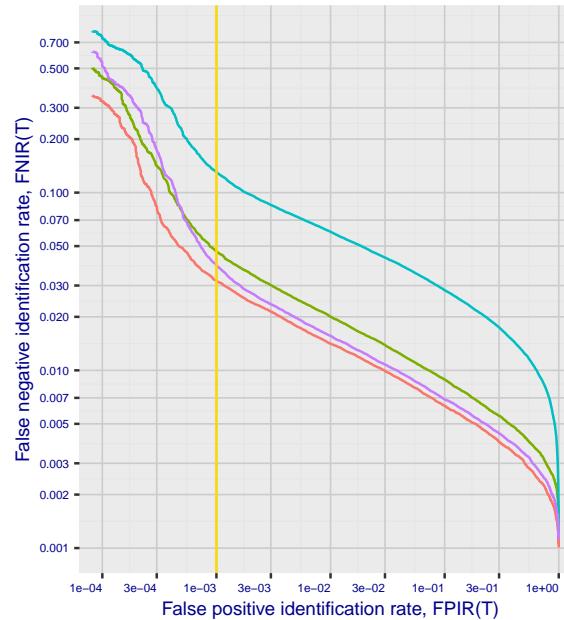
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



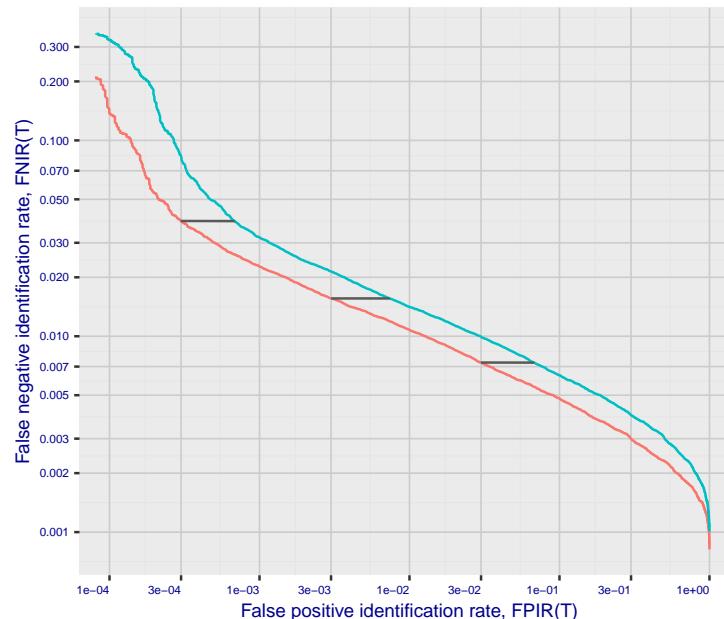
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**



Dataset:

2018 Mugshot

FNIR@FPIR = 0.001

N=1600000

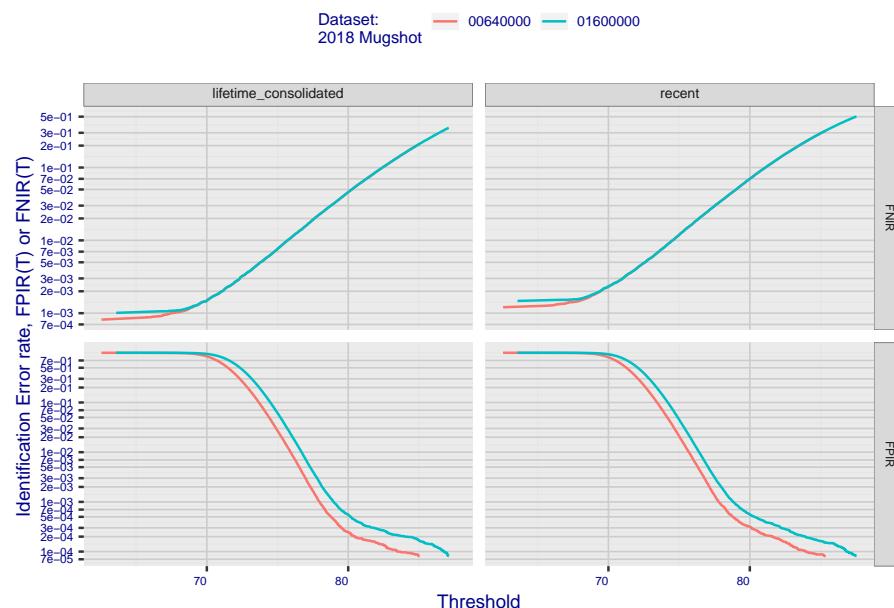
Dataset:

2018 Mugshot

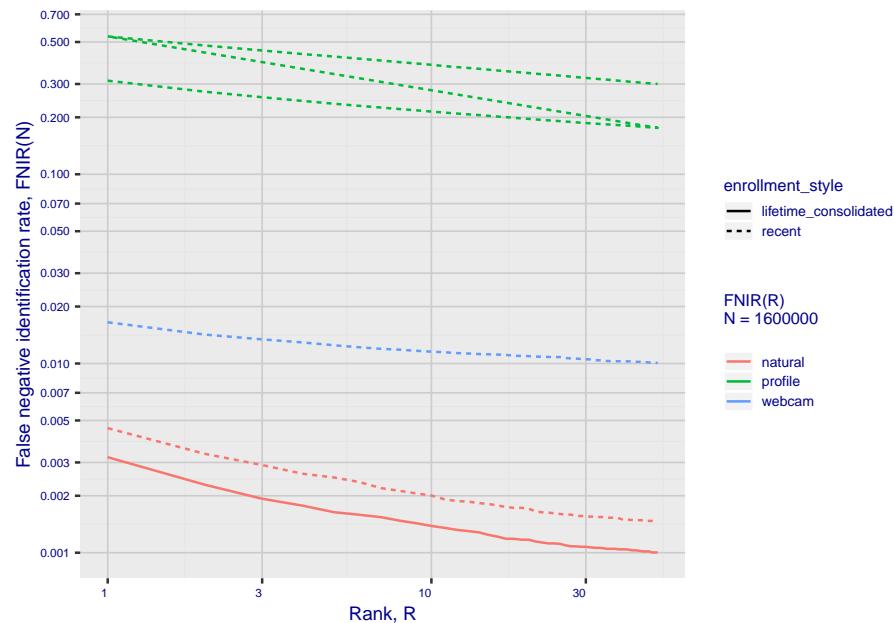
Enrolled image: \_consolidated

## 2. Report for algorithm hik\_6 2020-03-20 13:20:11

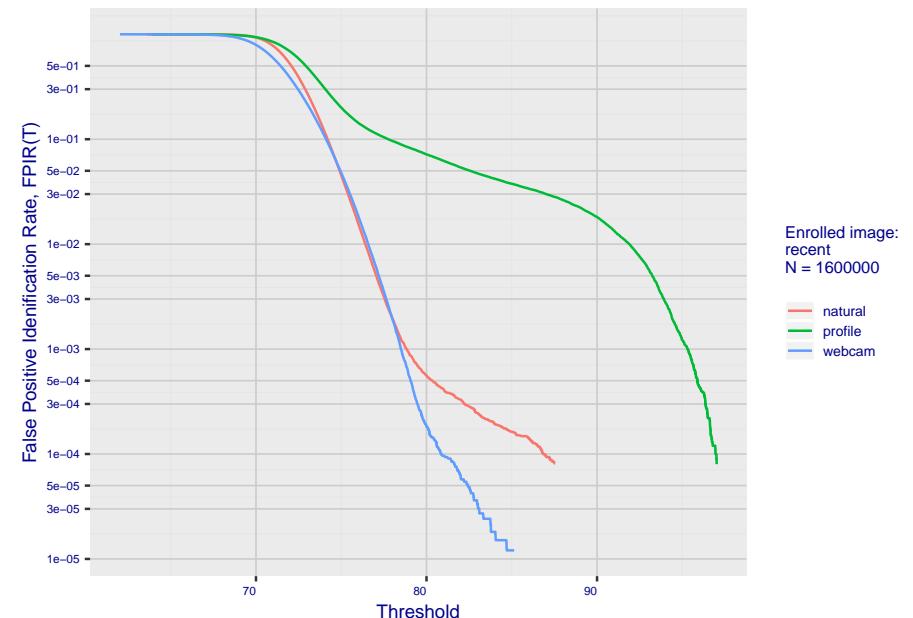
**Fig 5: Dependence on T by number enrolled identities**



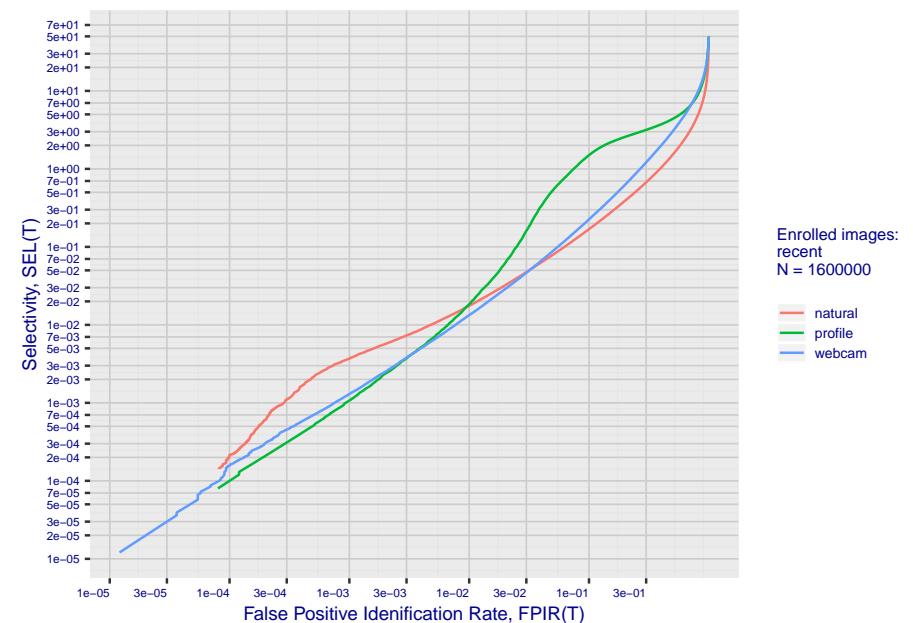
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

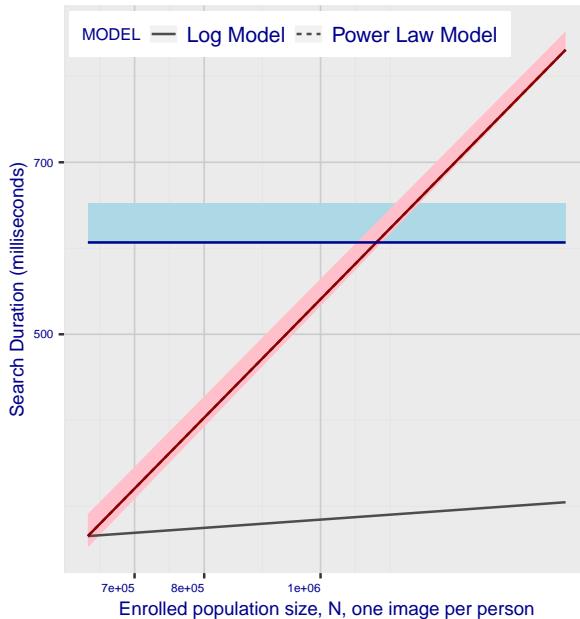


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm hik\_6 2020-03-20 13:20:11**

**Fig 10: Template duration; search duration vs. N**

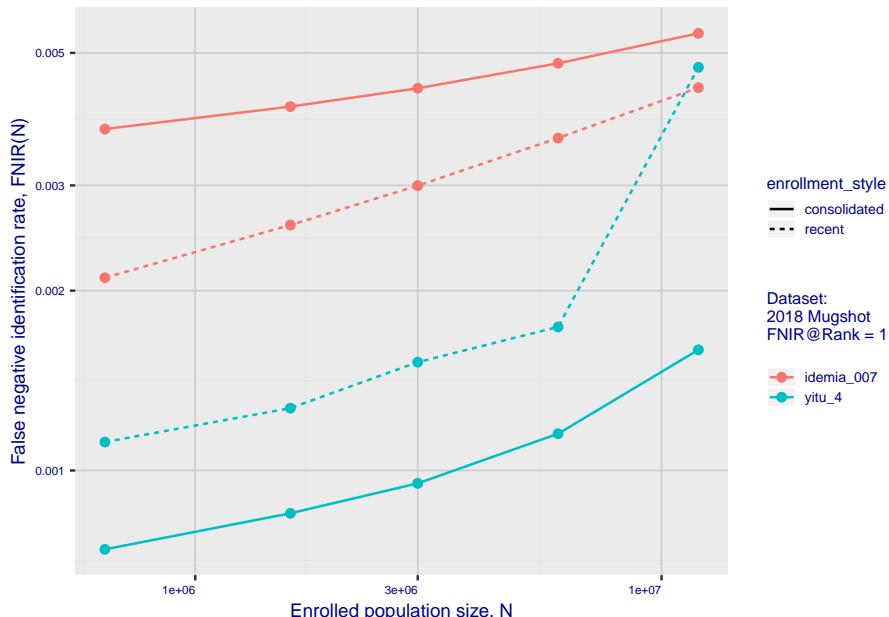


**Fig 11: Datasheet**

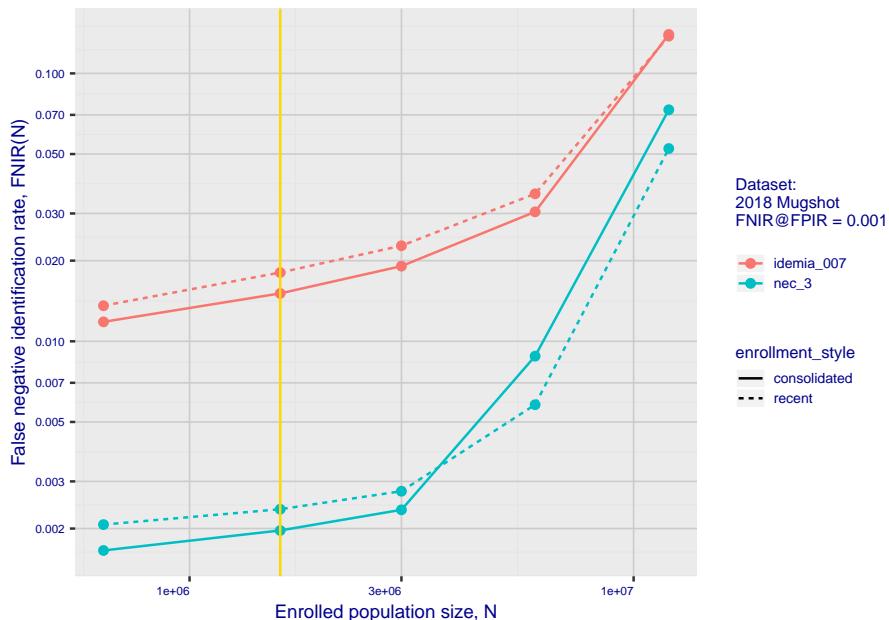
Algorithm:	hik_6
Developer:	Hikvision Research Institute
Submission Date:	2018_10_29
Template size:	1408 bytes
Template time (2.5 percentile):	598 msec
Template time (median):	598 msec
Template time (97.5 percentile):	646 msec
Investigation rank 54 --- FNIR(1600000, 0, 1) =	0.0046 vs. lowest 0.0010 from sensetime_003
Identification rank 51 --- FNIR(1600000, T, L+1) =	0.0467
PPIR = 0.001 vs.	lowest 0.0018 from sensetime_003

## 1. Report for algorithm idemia\_007 2020-03-20 13:22:03

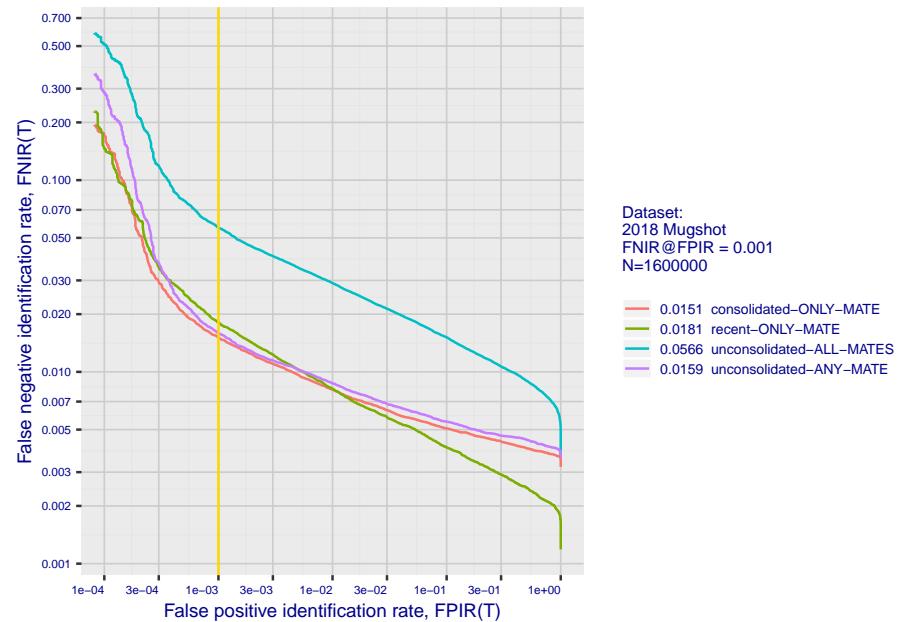
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



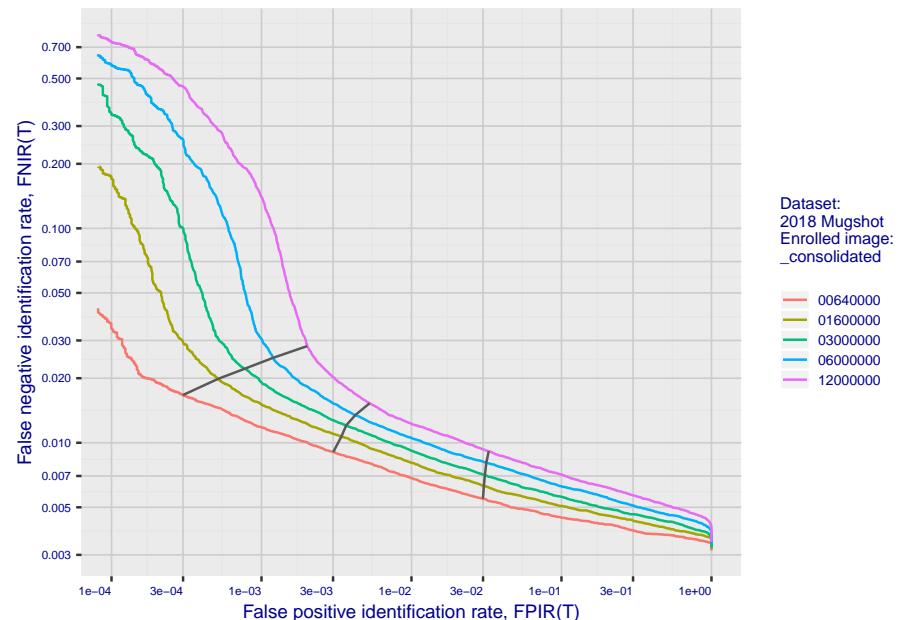
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

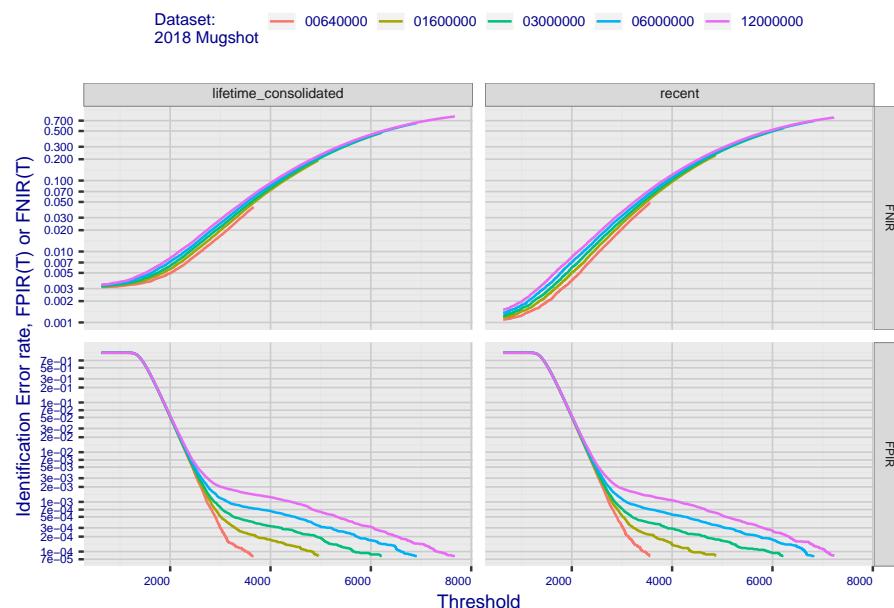


**Fig 4: DET for various N. Links connect points of equal threshold.**

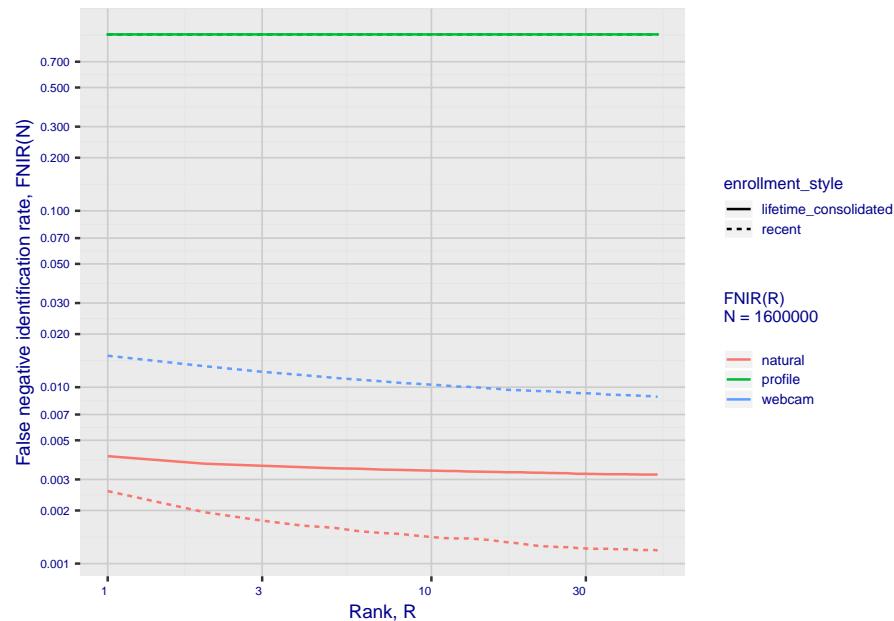


## 2. Report for algorithm idemia\_007 2020-03-20 13:22:03

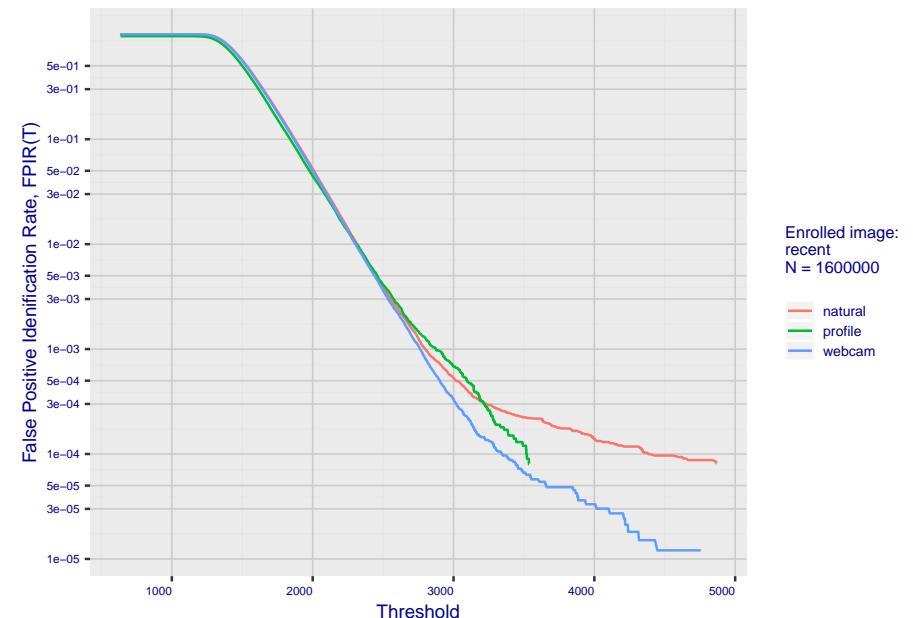
**Fig 5: Dependence on T by number enrolled identities**



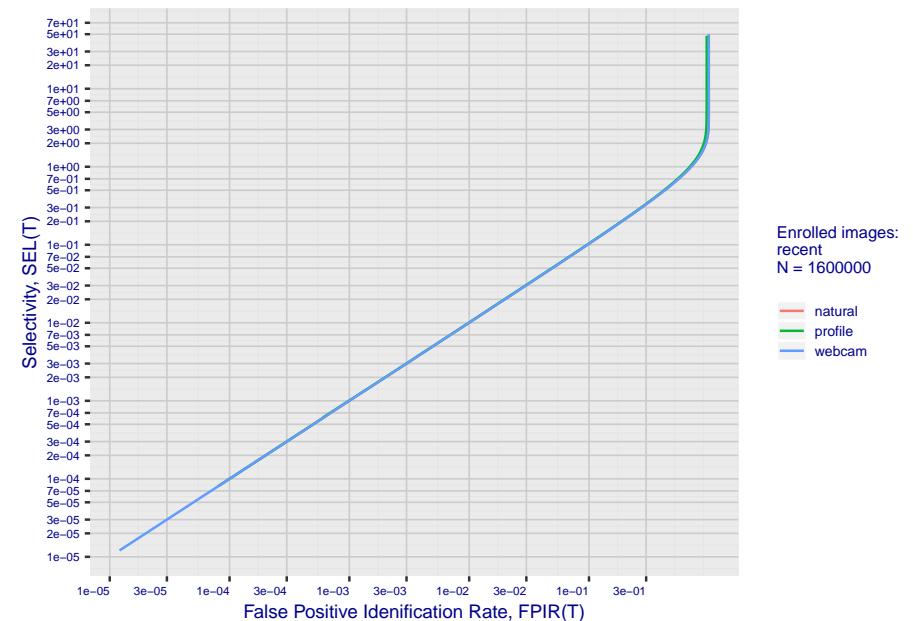
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

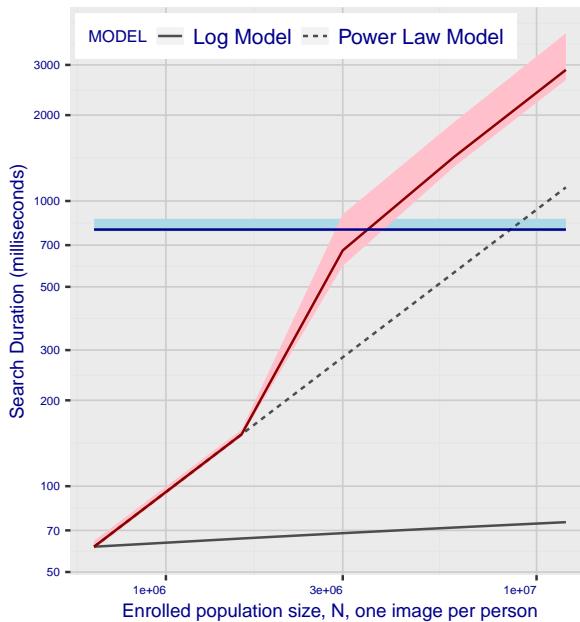


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm idemia\_007 2020-03-20 13:22:03

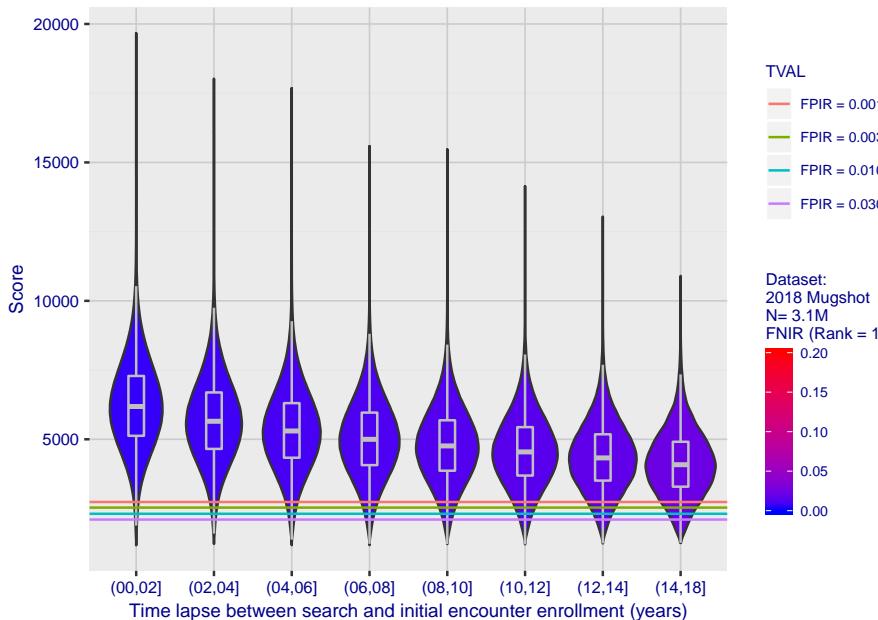
**Fig 10: Template duration; search duration vs. N**



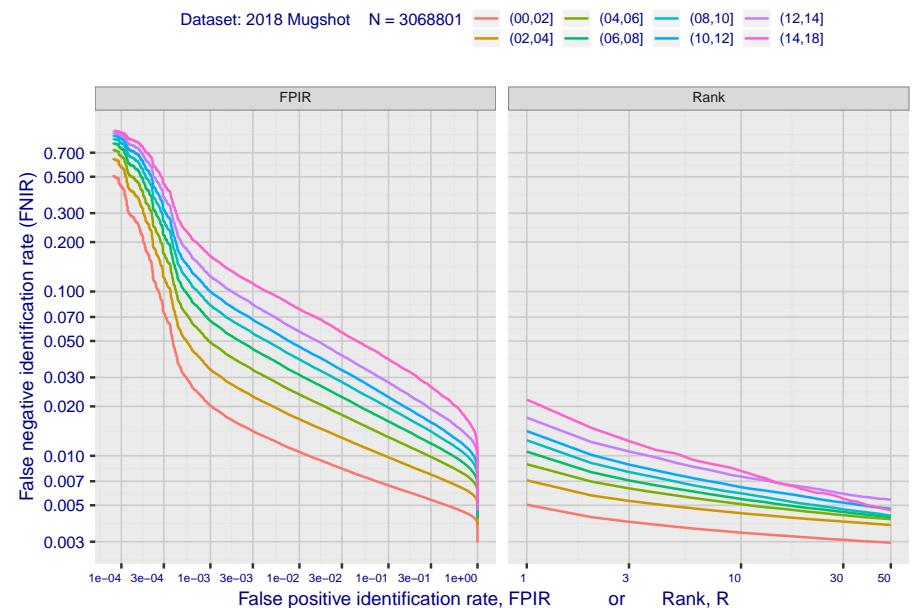
**Fig 11: Datasheet**

Algorithm: idemia_007
Developer: Idemia
Submission Date: 2020_01_17
Template size: 860 bytes
Template time (2.5 percentile): 783 msec
Template time (median): 794 msec
Template time (97.5 percentile): 866 msec
Investigation rank 26 --- FNIR(16000000, 0, 1) = 0.0026 vs. lowest 0.0010 from sensetime_003
Identification rank 15 --- FNIR(16000000, T, L+1) = 0.0181
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

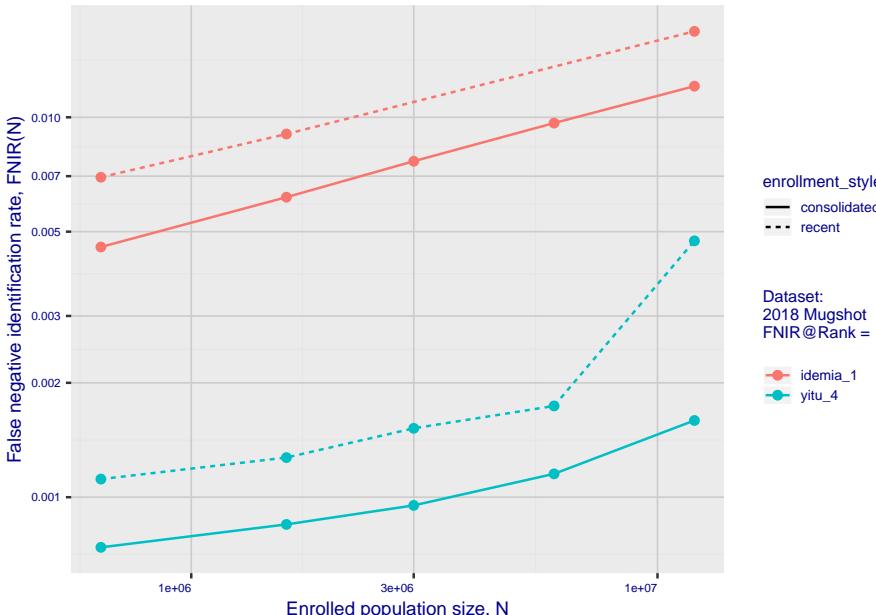


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

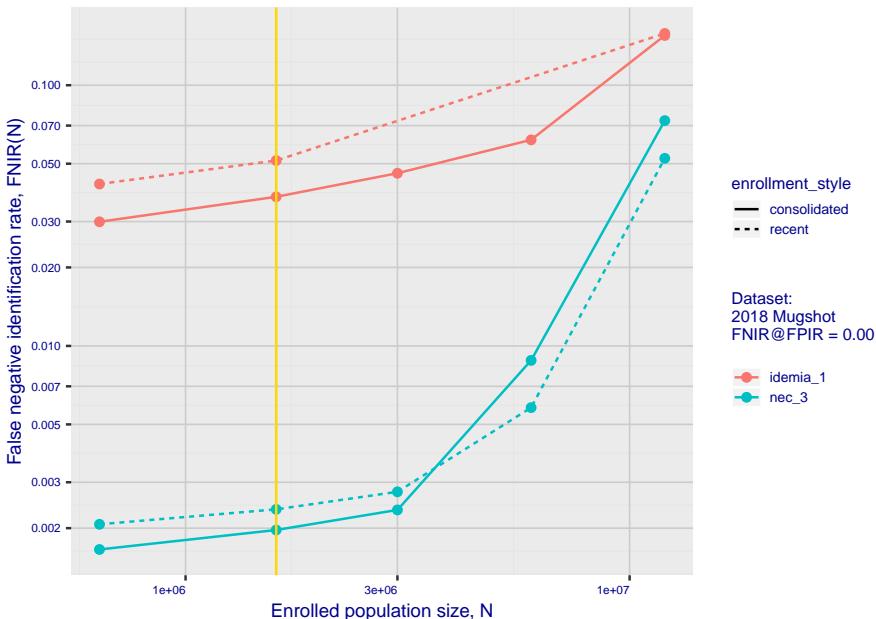


## 1. Report for algorithm idemia\_1 2020-03-20 13:16:43

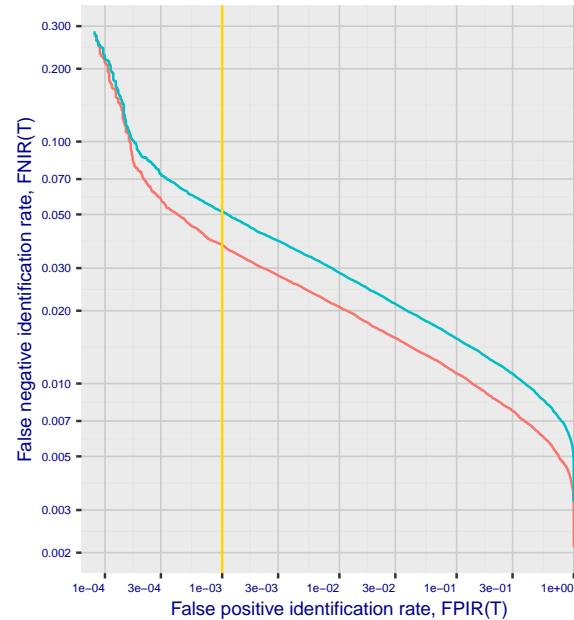
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



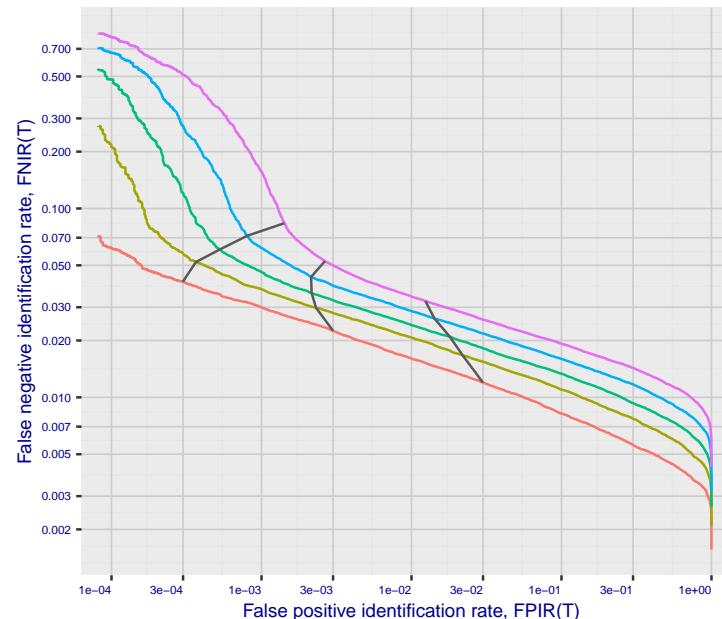
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**



Dataset:  
2018 Mugshot  
FNIR@FPIR = 0.001  
N=1600000

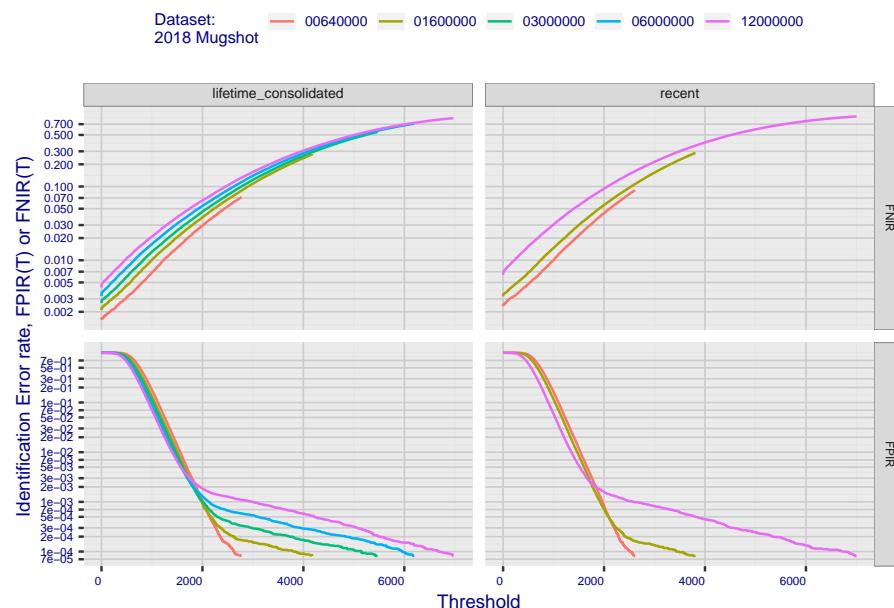
0.0373 consolidated-ONLY-MATE  
0.0514 recent-ONLY-MATE

Dataset:  
2018 Mugshot  
Enrolled image:  
\_consolidated

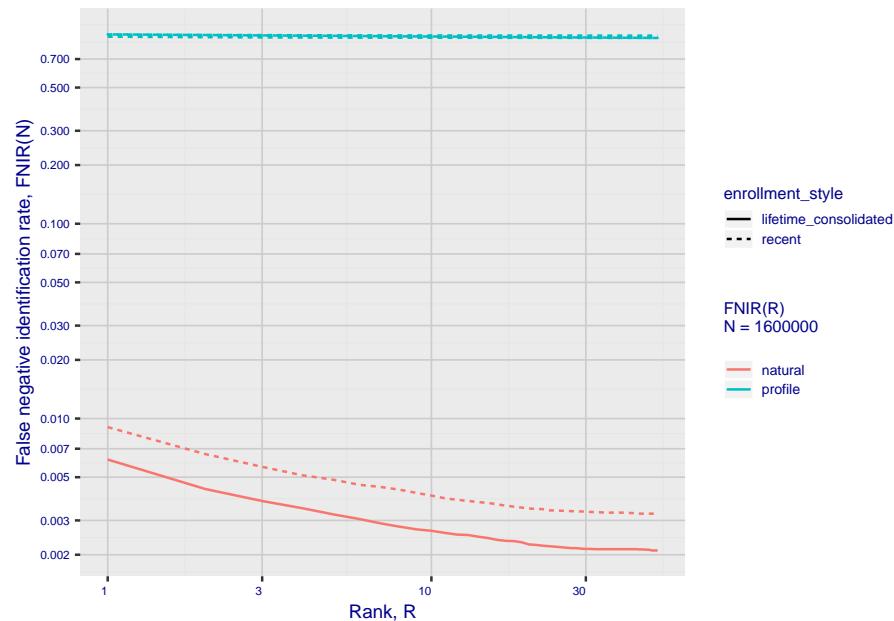
00640000  
01600000  
03000000  
06000000  
12000000

## 2. Report for algorithm idemia\_1 2020-03-20 13:16:43

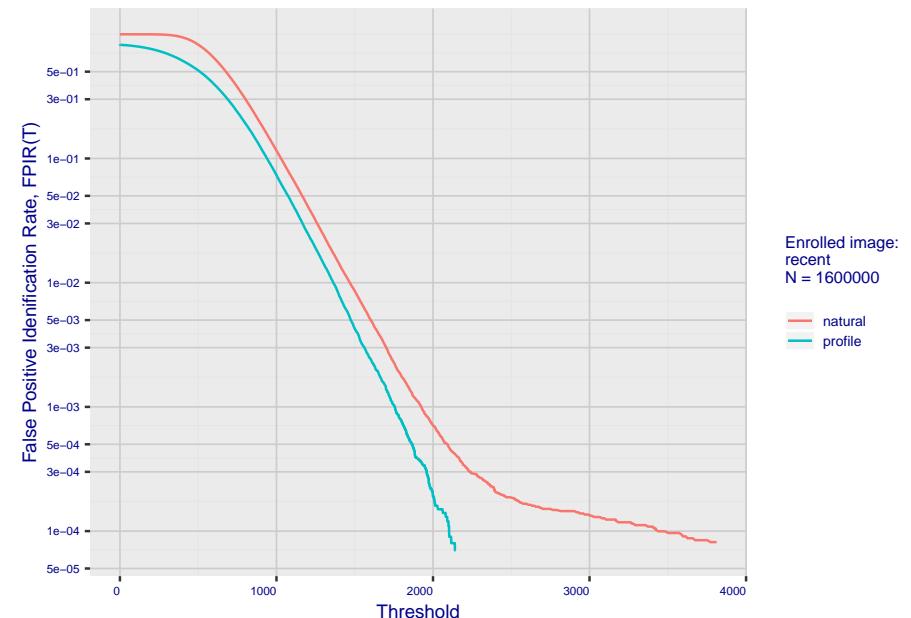
**Fig 5: Dependence on T by number enrolled identities**



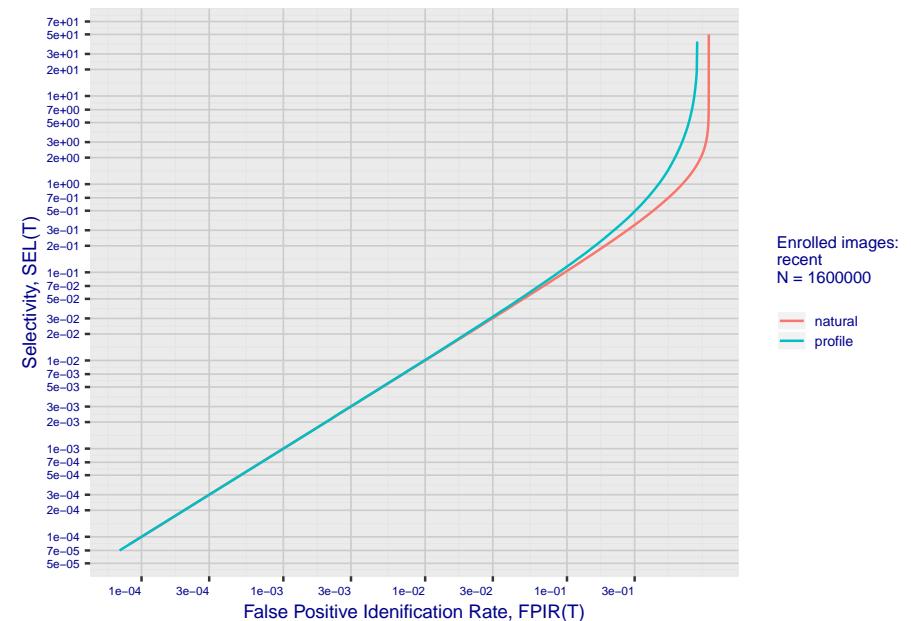
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm idemia\_1 2020-03-20 13:16:43

Fig 10: Template duration; search duration vs. N

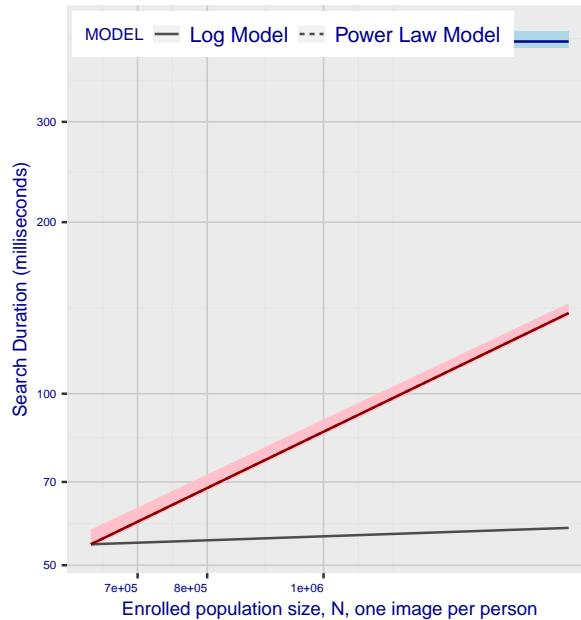
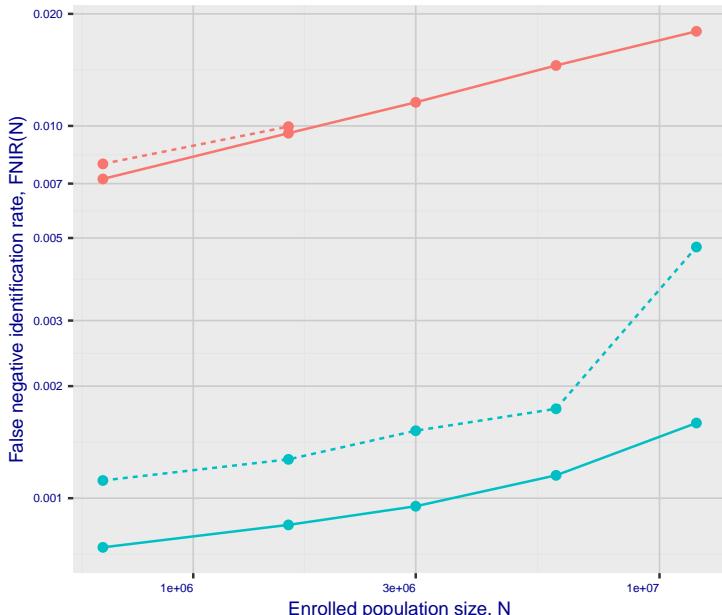


Fig 11: Datasheet

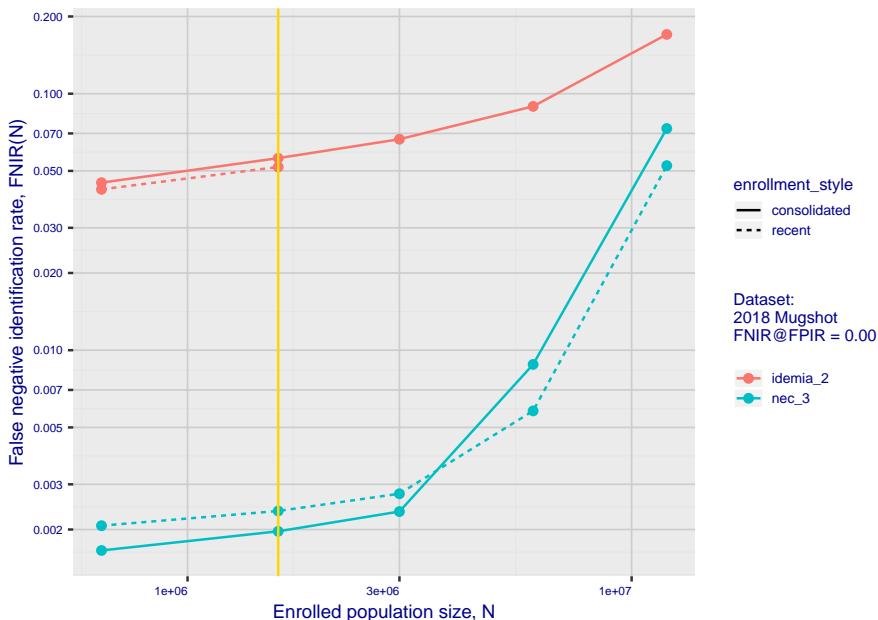
Algorithm:	idemia_1
Developer:	Idemia
Submission Date:	2018_02_16
Template size:	364 bytes
Template time (2.5 percentile):	405 msec
Template time (median):	415 msec
Template time (97.5 percentile):	433 msec
Investigation rank 91 --- FNIR(1600000, 0, 1) =	0.0090 vs. lowest 0.0010 from sensetime_003
Identification rank 59 --- FNIR(1600000, T, L+1) =	0.0514
PPIR = 0.001 vs.	lowest 0.0018 from sensetime_003

## 1. Report for algorithm idemia\_2 2020-03-20 13:16:45

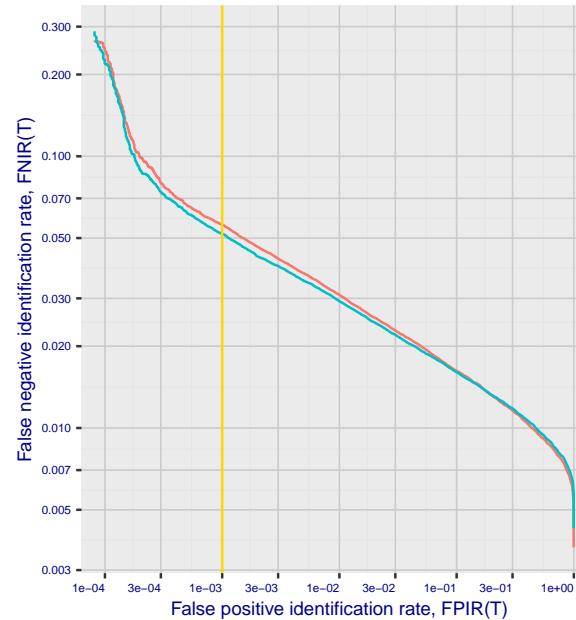
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



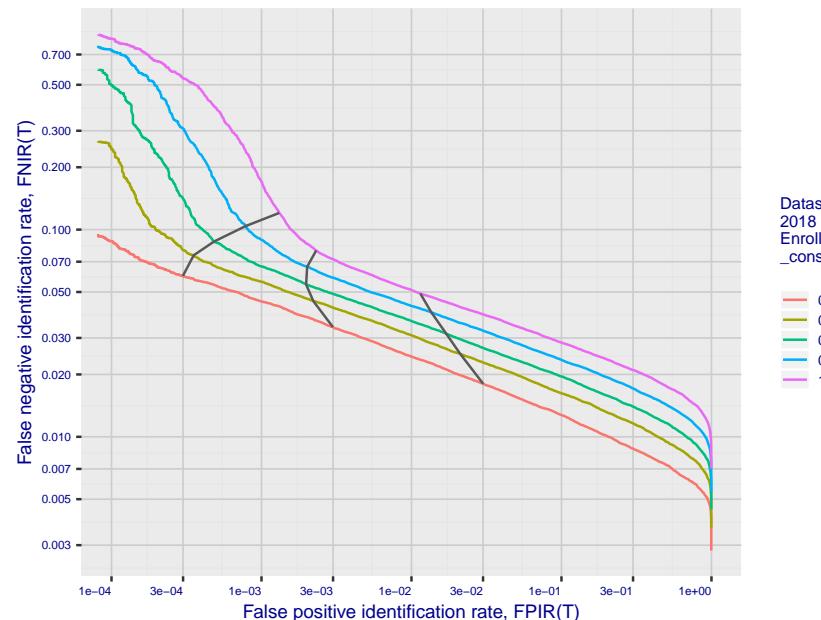
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

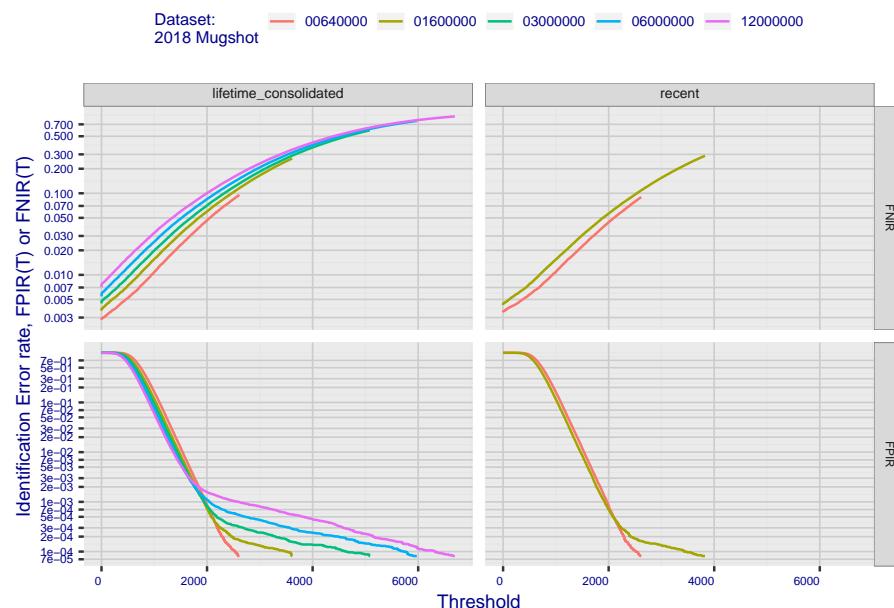


**Fig 4: DET for various N. Links connect points of equal threshold.**

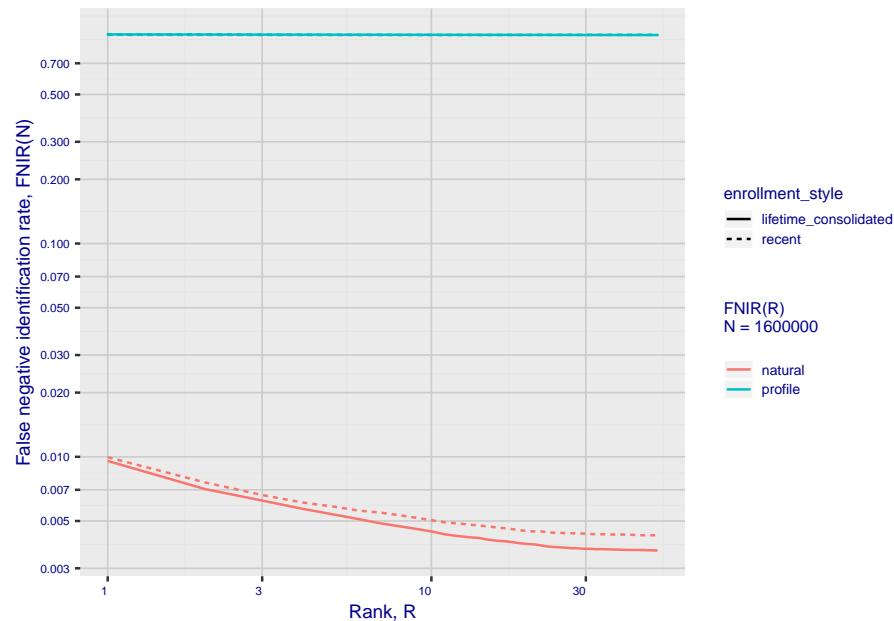


## 2. Report for algorithm idemia\_2 2020-03-20 13:16:45

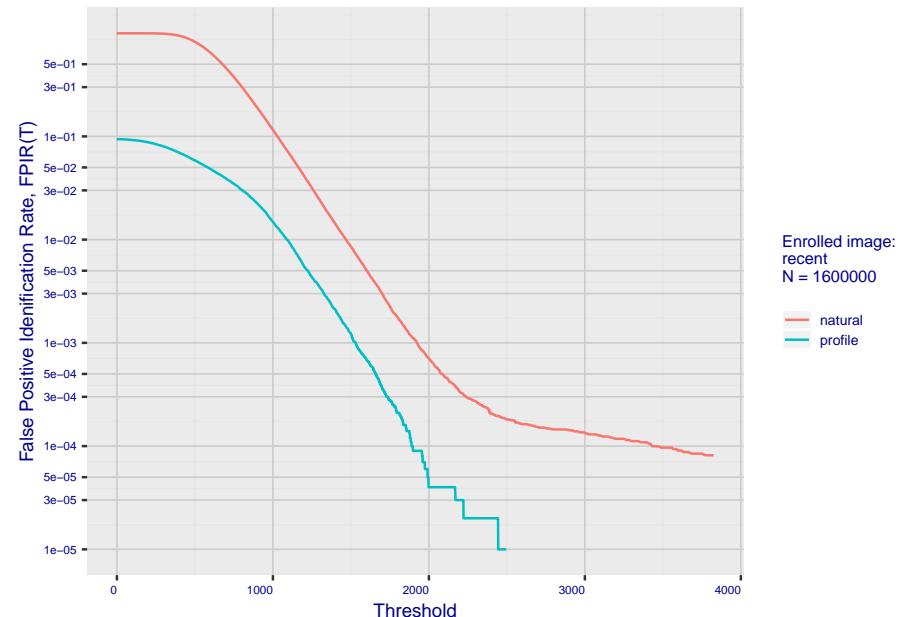
**Fig 5: Dependence on T by number enrolled identities**



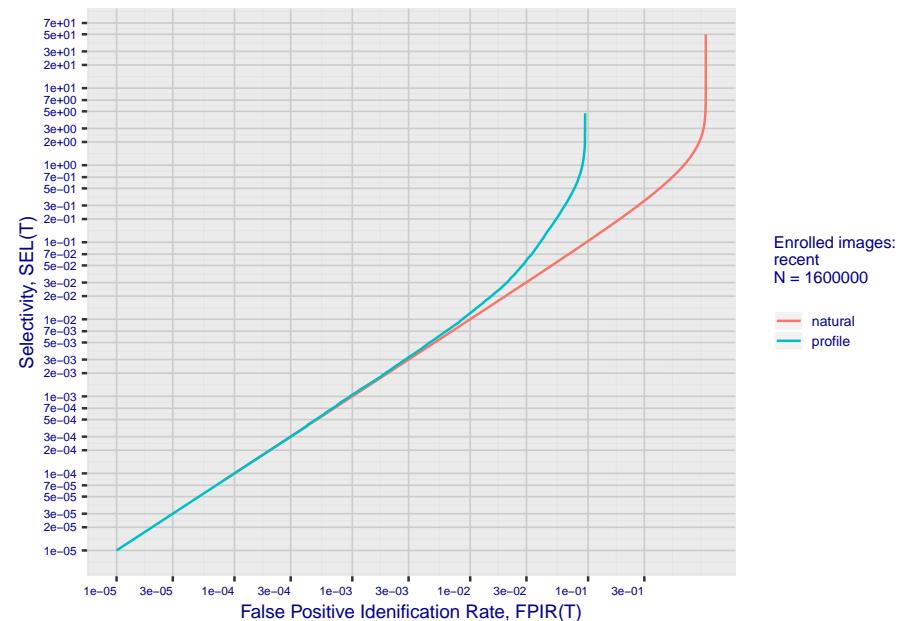
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm idemia\_2 2020-03-20 13:16:45

Fig 10: Template duration; search duration vs. N

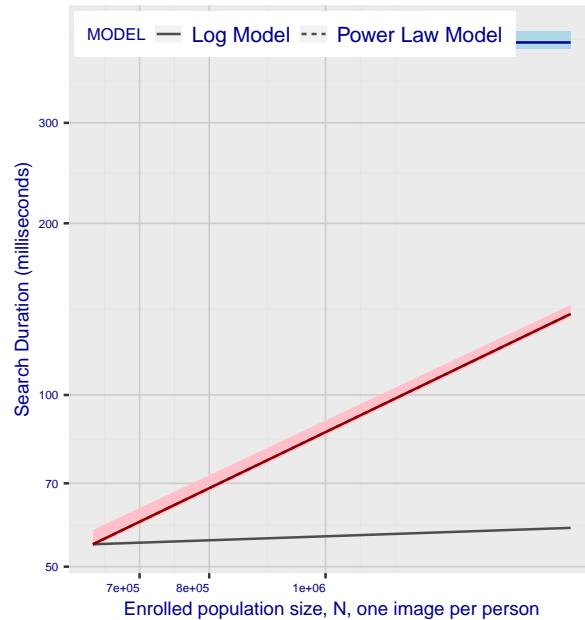
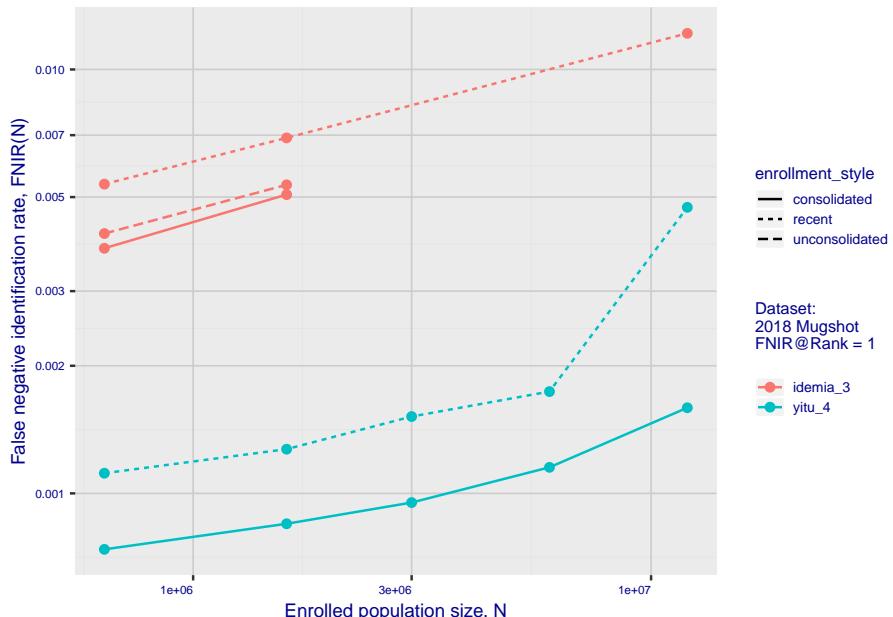


Fig 11: Datasheet

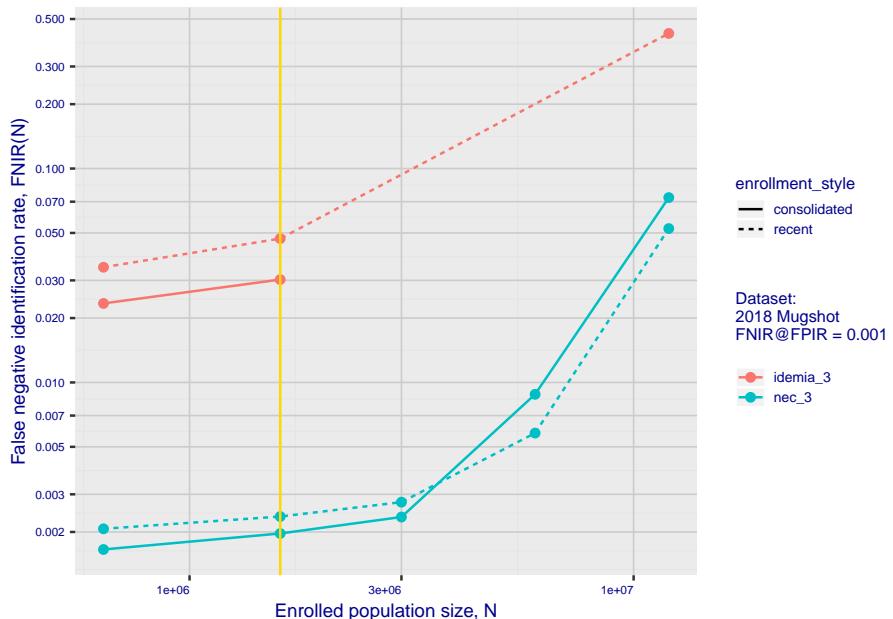
Algorithm: idemia_2
Developer: Idemia
Submission Date: 2018_02_16
Template size: 364 bytes
Template time (2.5 percentile): 405 msec
Template time (median): 415 msec
Template time (97.5 percentile): 434 msec
Investigation rank 100 -- FNIR(1600000, 0, 1) = 0.0100 vs. lowest 0.0010 from sensetime_003
Identification rank 61 -- FNIR(1600000, T, L+1) = 0.0518
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm idemia\_3 2020-03-20 13:14:49

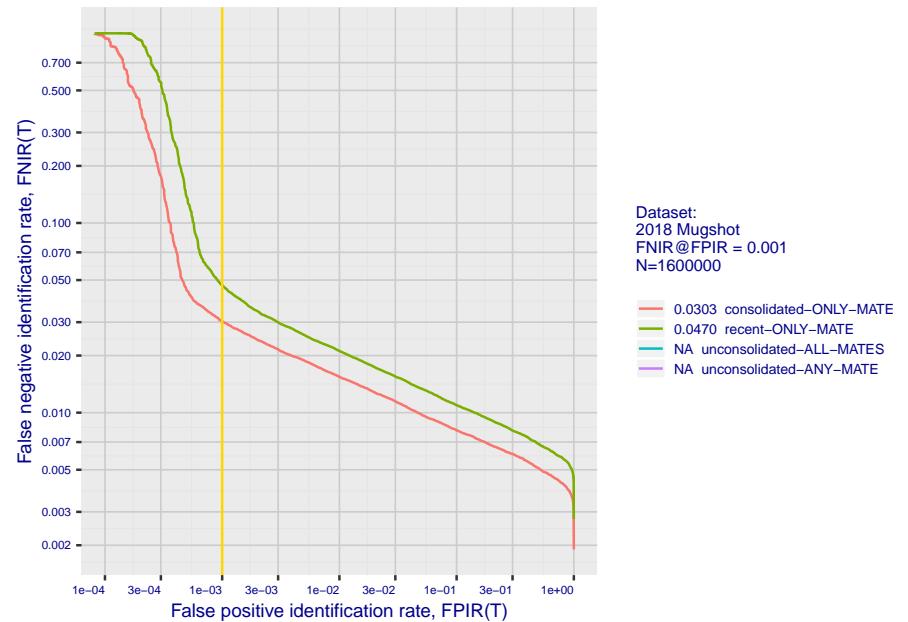
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



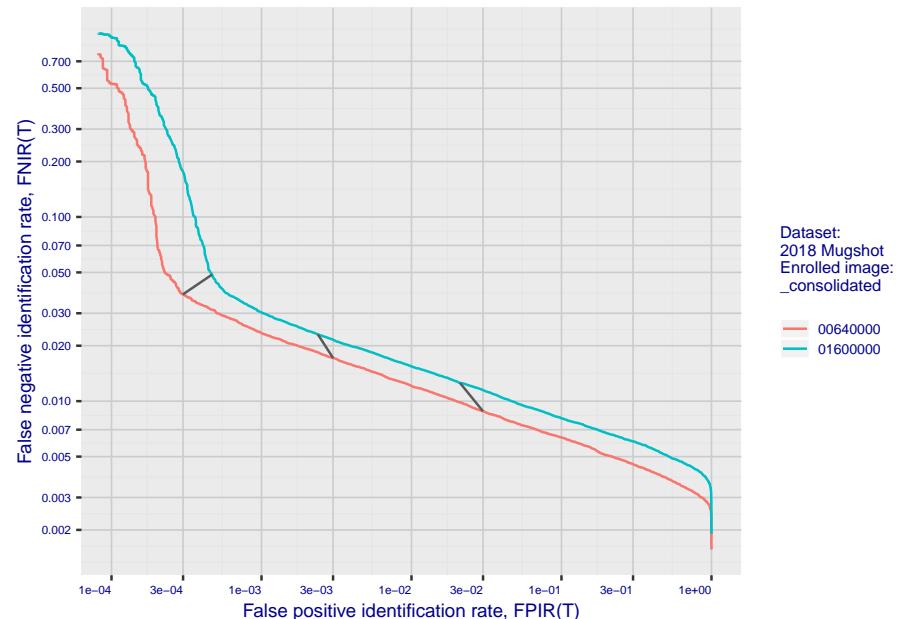
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

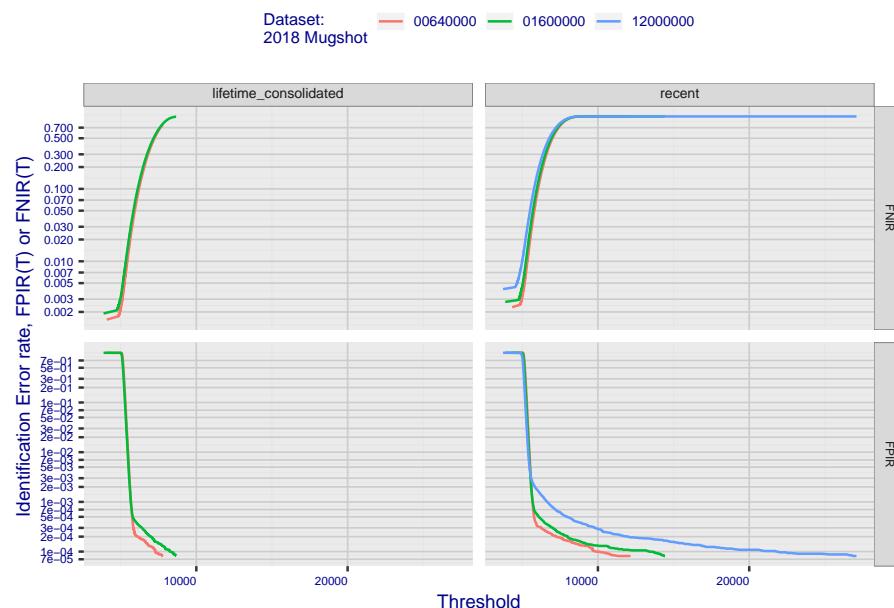


**Fig 4: DET for various N. Links connect points of equal threshold.**

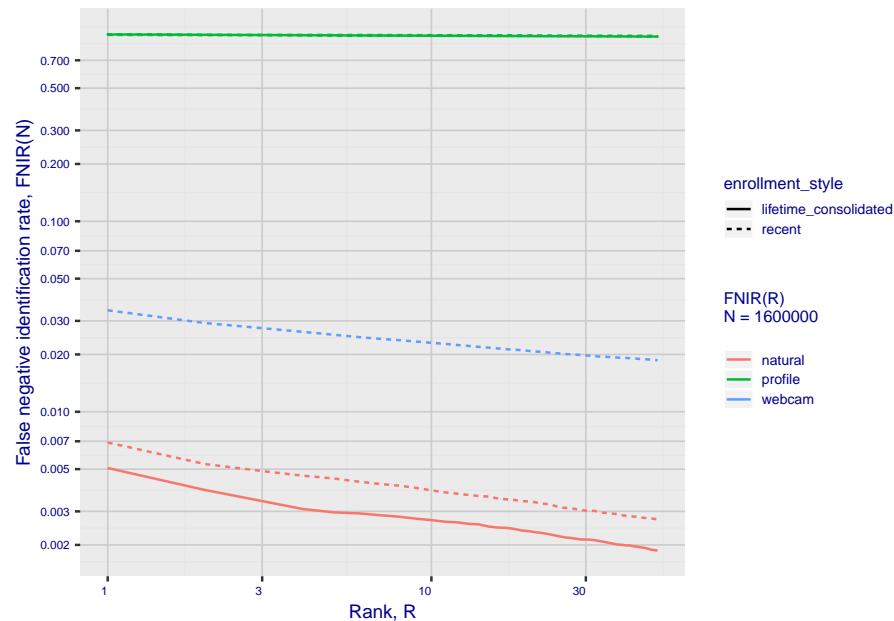


## 2. Report for algorithm idemia\_3 2020-03-20 13:14:49

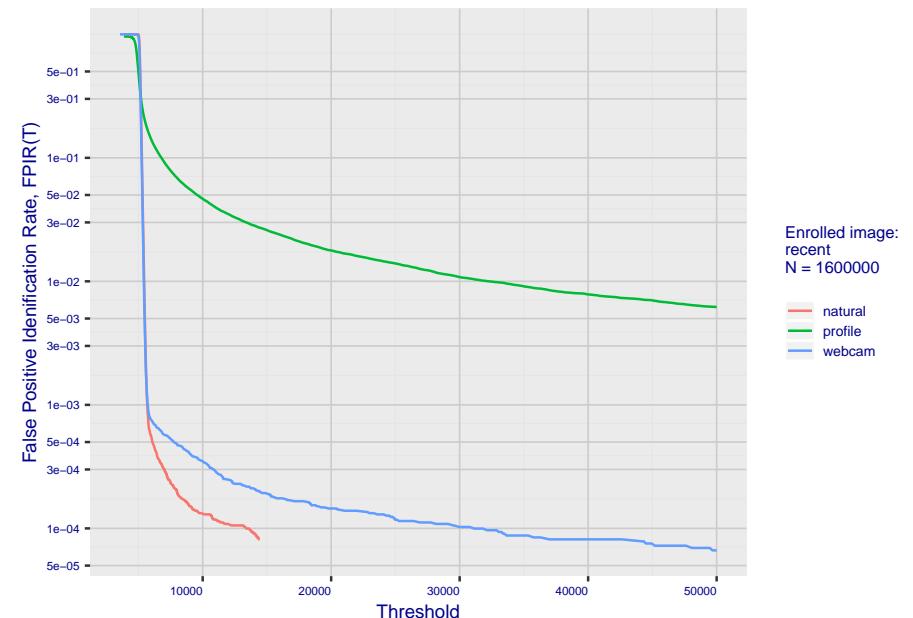
**Fig 5: Dependence on T by number enrolled identities**



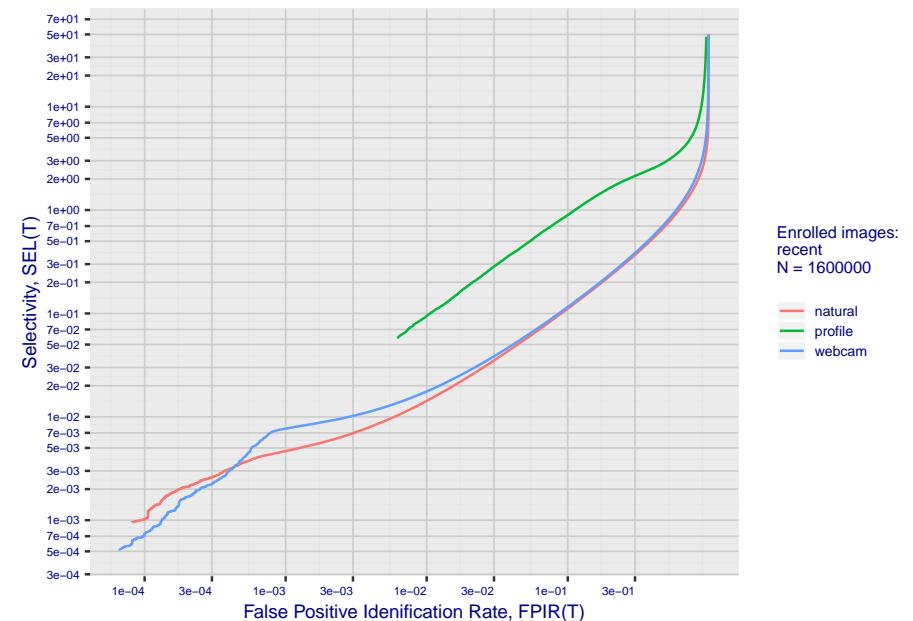
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

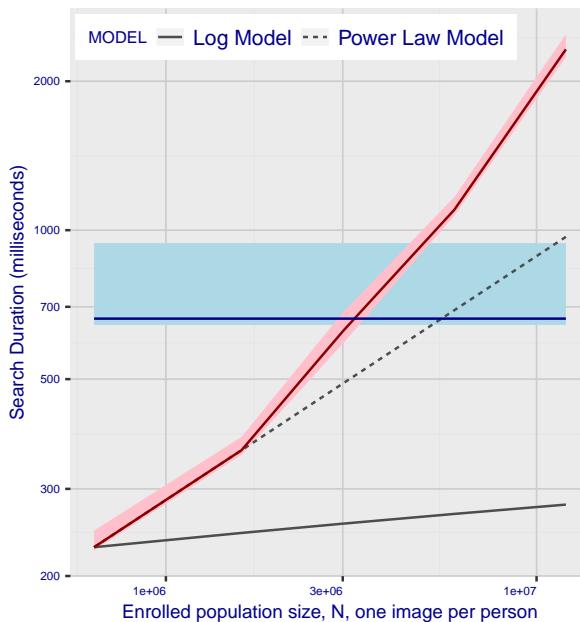


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm idemia\_3 2020-03-20 13:14:49

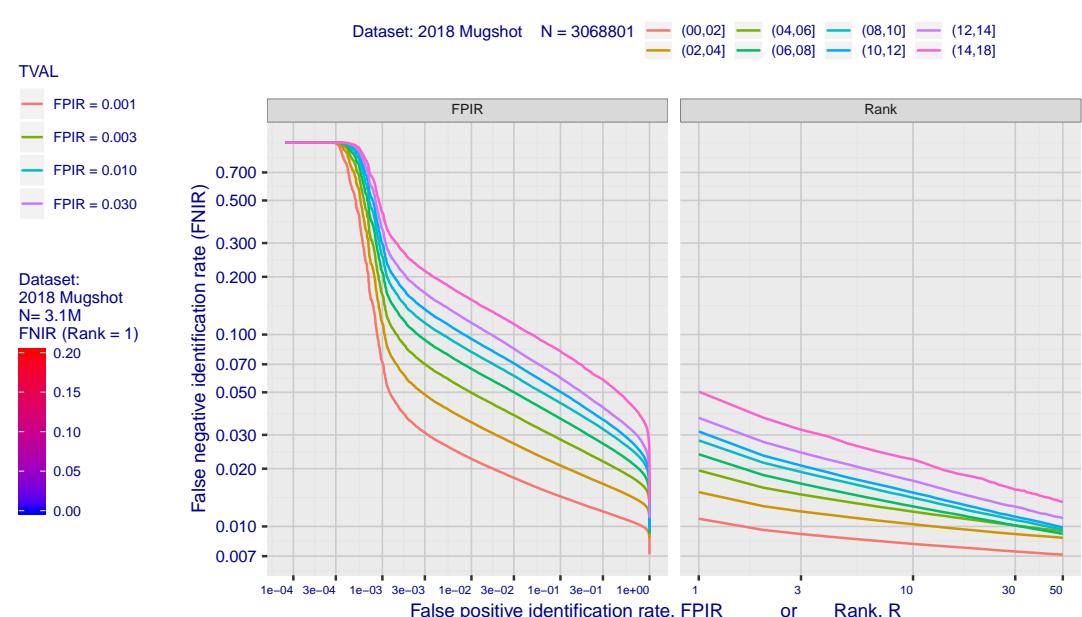
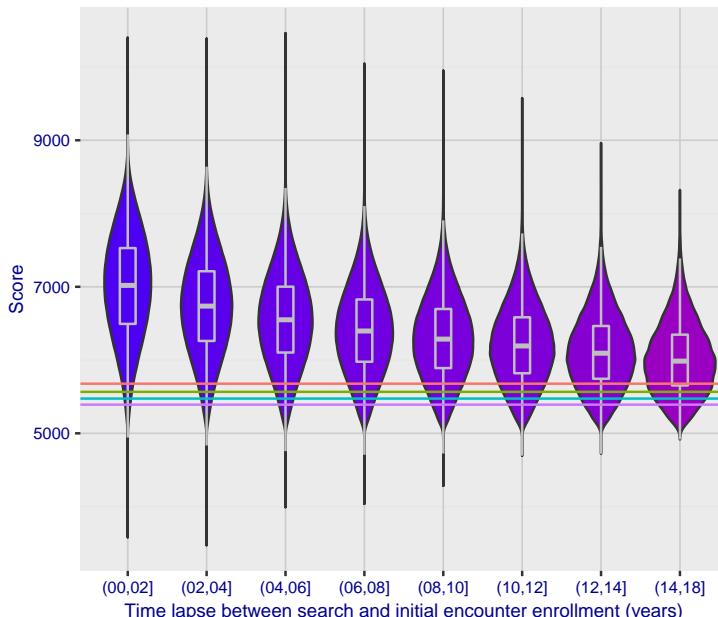
**Fig 10: Template duration; search duration vs. N**



**Fig 11: Datasheet**

Algorithm: idemia_3
Developer: Idemia
Submission Date: 2018_06_21
Template size: 528 bytes
Template time (2.5 percentile): 644 msec
Template time (median): 663 msec
Template time (97.5 percentile): 941 msec
Investigation rank 77 -- FNIR(1600000, 0, 1) = 0.0069 vs. lowest 0.0010 from sensetime_003
Identification rank 52 -- FNIR(1600000, T, L+1) = 0.0470
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

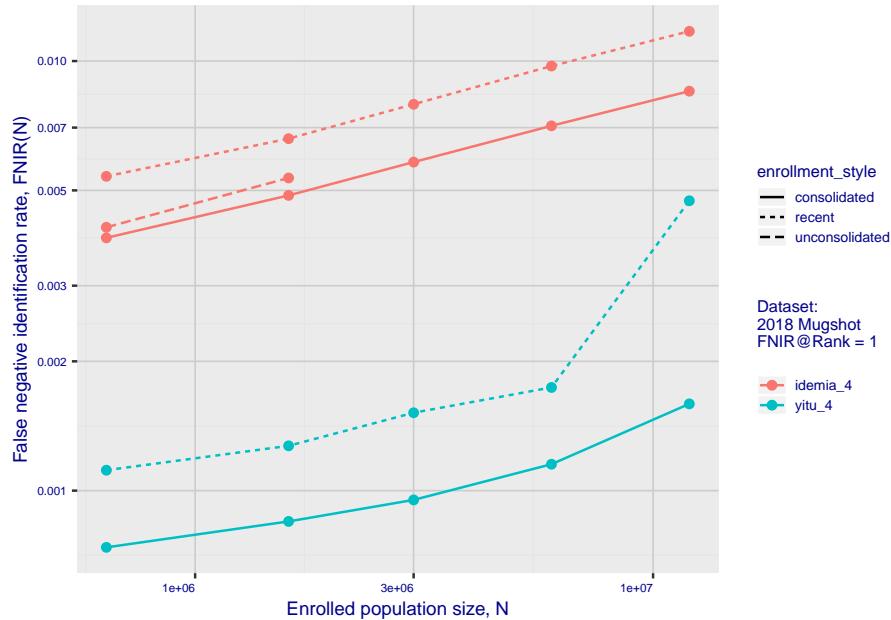
**Fig 12: Decline of genuine scores with ageing**



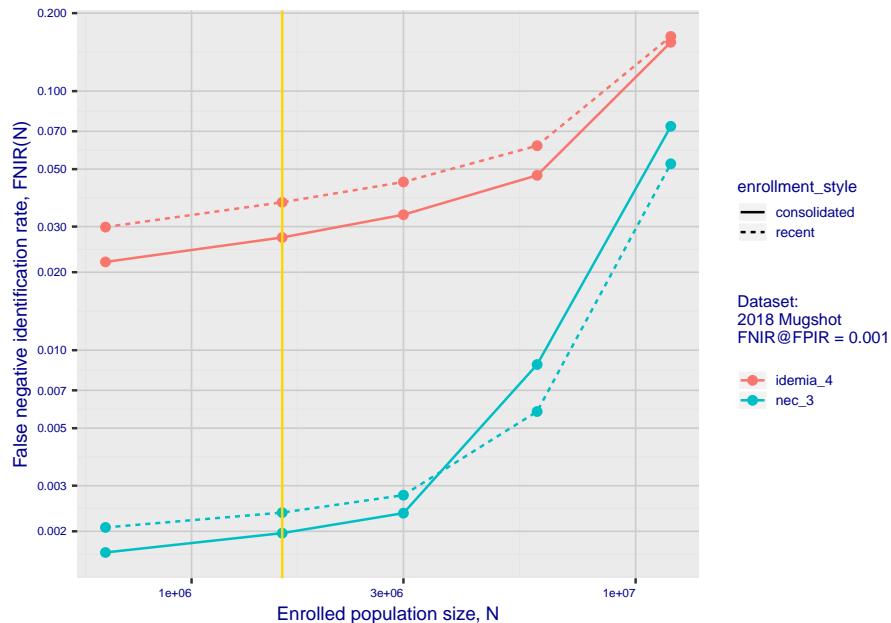
**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

# 1. Report for algorithm idemia\_4 2020-03-20 13:14:55

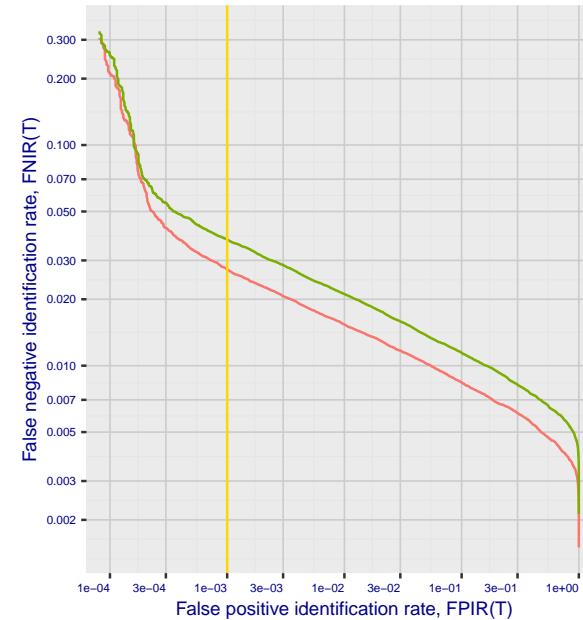
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



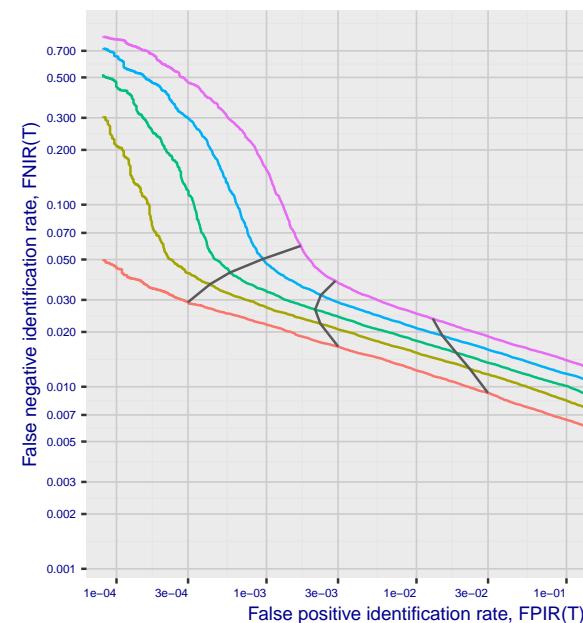
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**

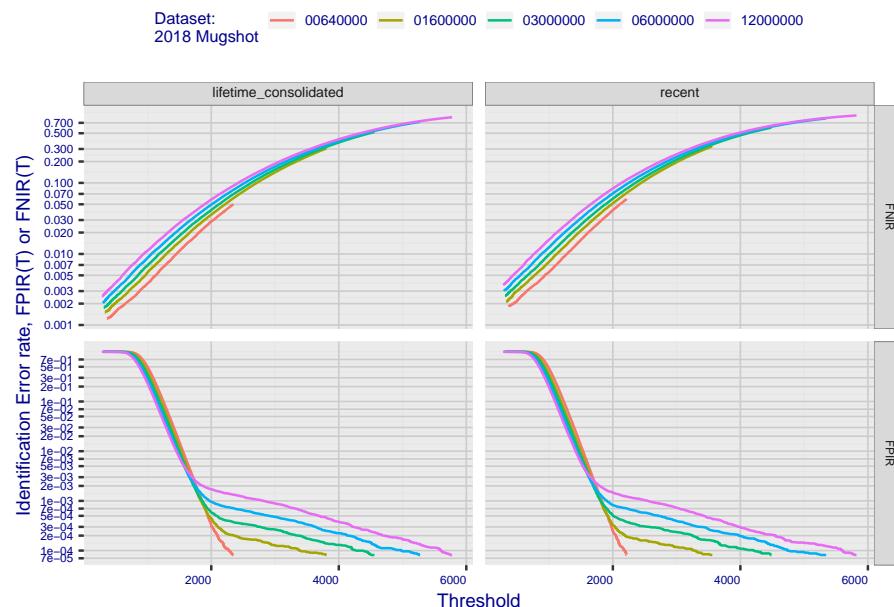


Dataset:  
2018 Mugshot  
Enrolled image:  
\_consolidated

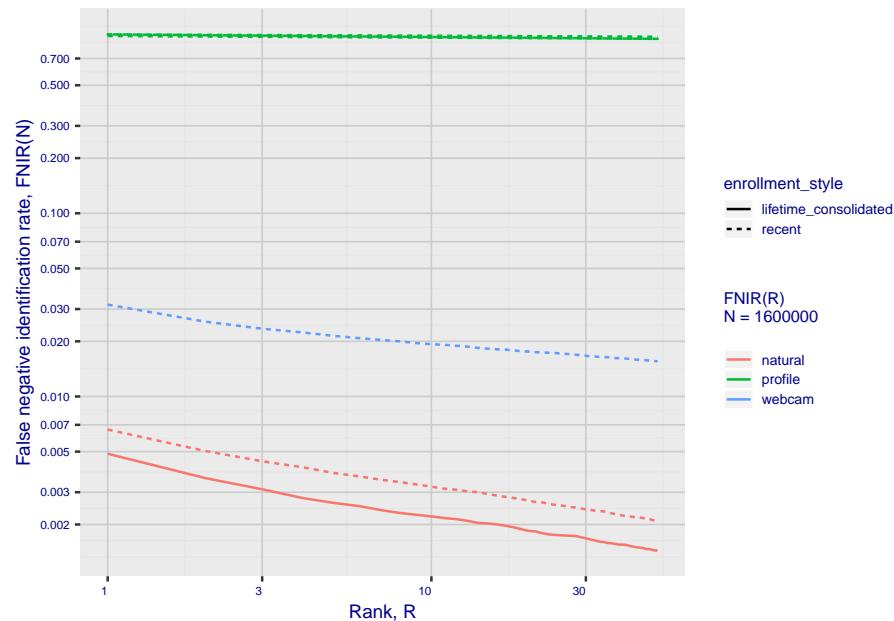
00640000  
01600000  
03000000  
06000000  
12000000

## 2. Report for algorithm idemia\_4 2020-03-20 13:14:55

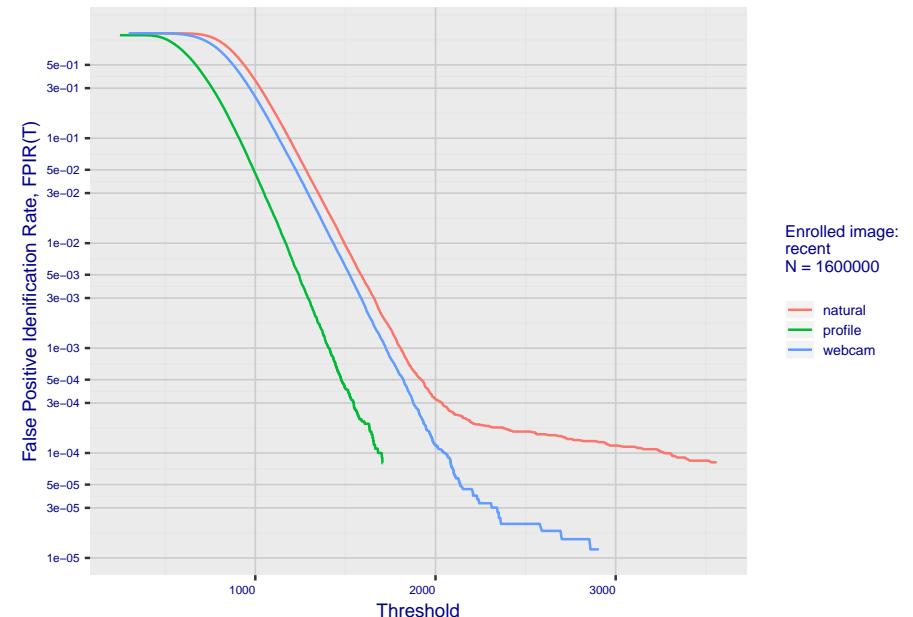
**Fig 5: Dependence on T by number enrolled identities**



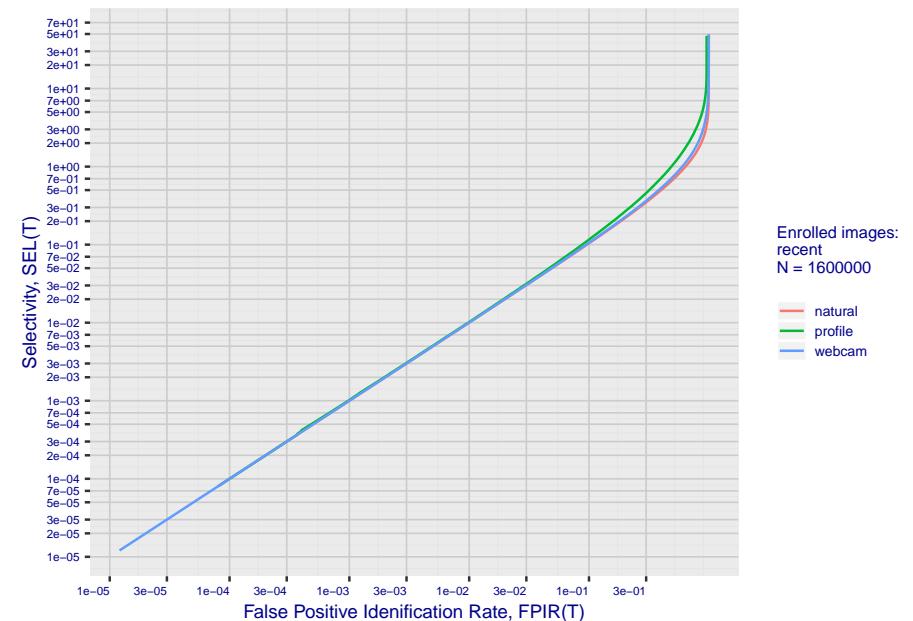
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

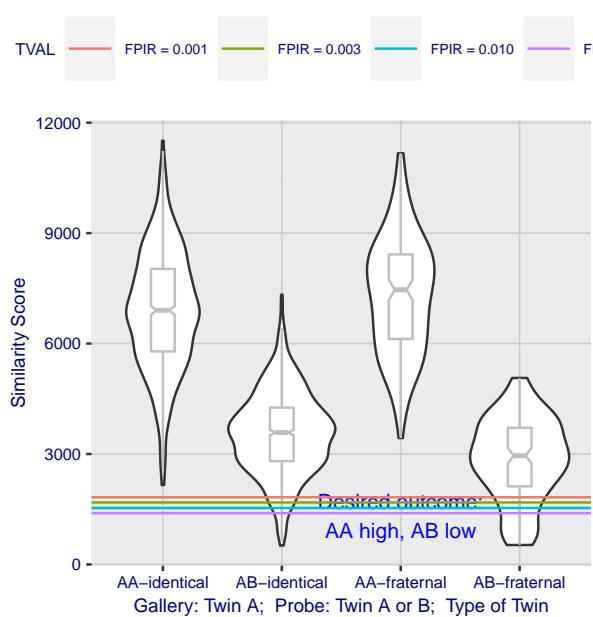


**Fig 8: FPIR vs. Selectivity**

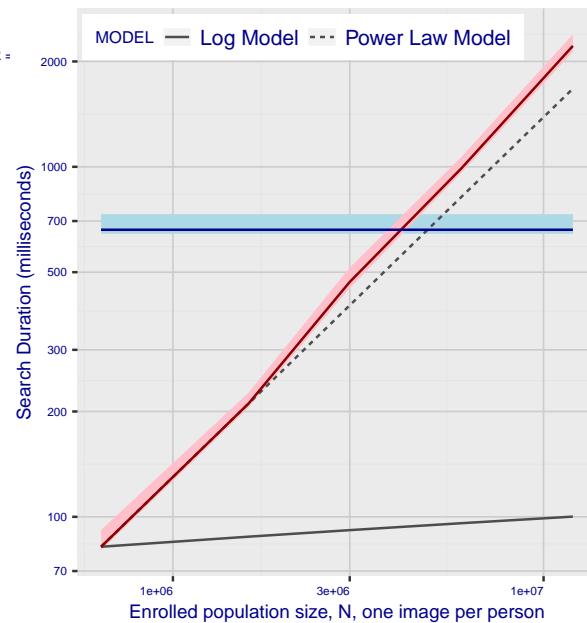


### 3. Report for algorithm idemia\_4 2020-03-20 13:14:55

**Fig 9: Solo-Twin and Twin-Twin similarity scores**



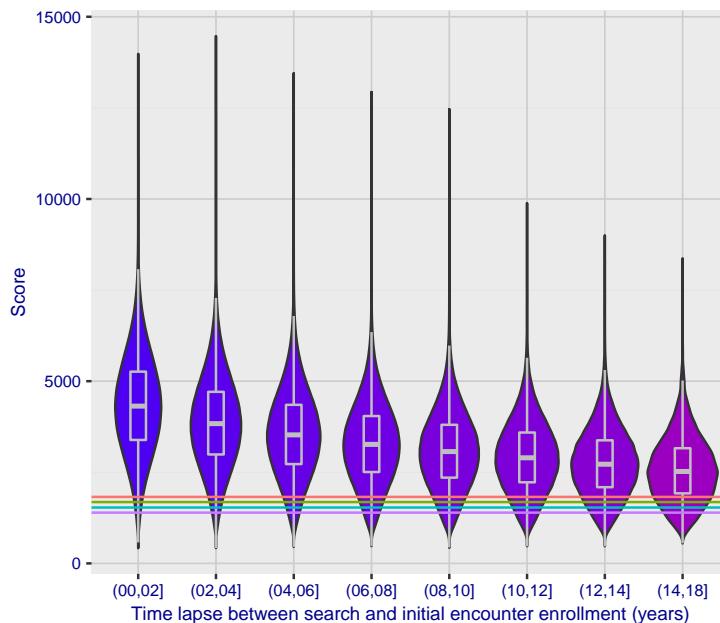
**Fig 10: Template duration; search duration vs. N**



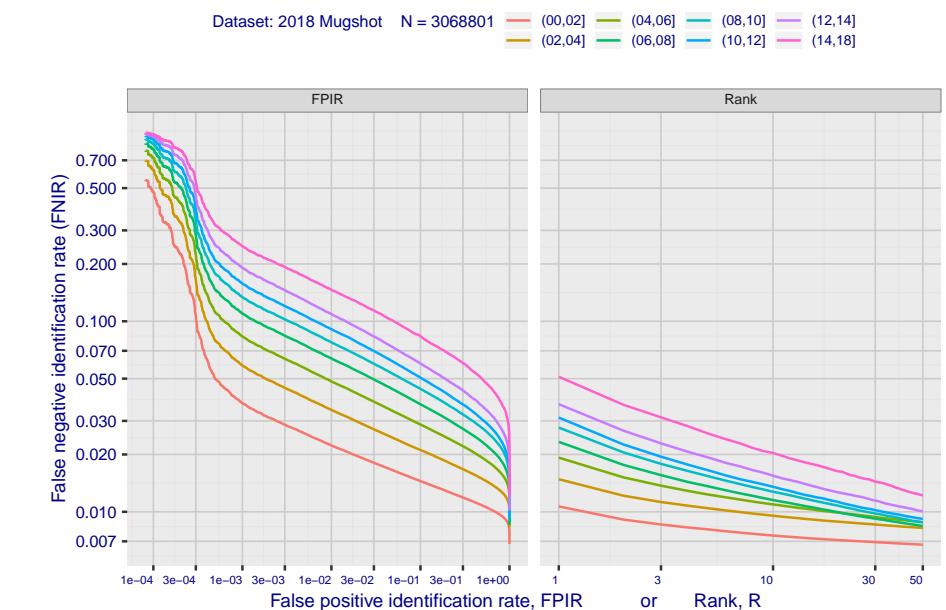
**Fig 11: Datasheet**

Algorithm: idemia_4
Developer: Idemia
Submission Date: 2018_06_21
Template size: 528 bytes
Template time (2.5 percentile): 644 msec
Template time (median): 661 msec
Template time (97.5 percentile): 732 msec
Investigation rank 72 --- FNIR(1600000, 0, 1) = 0.0066 vs. lowest 0.0010 from sensetime_003
Identification rank 37 --- FNIR(1600000, T, L+1) = 0.0372
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

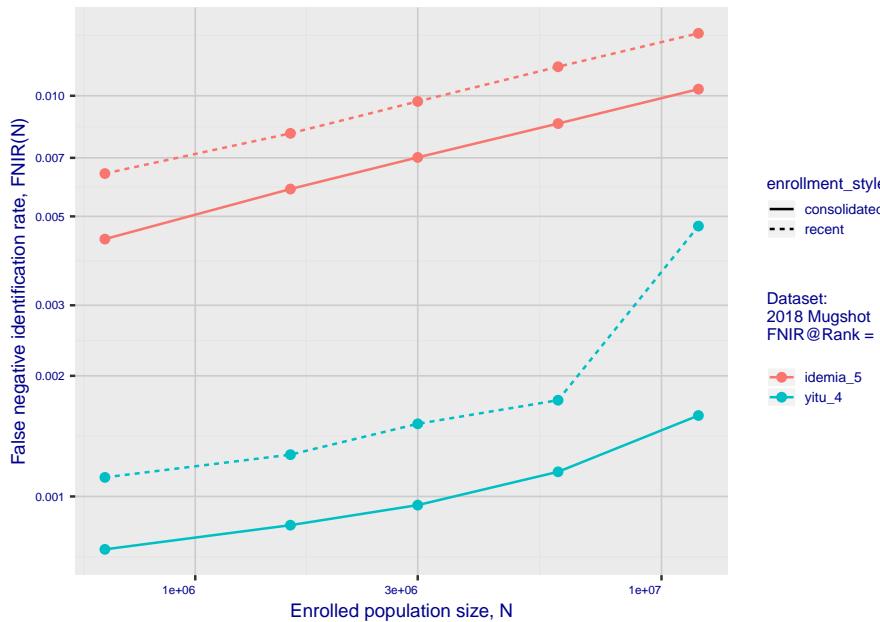


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

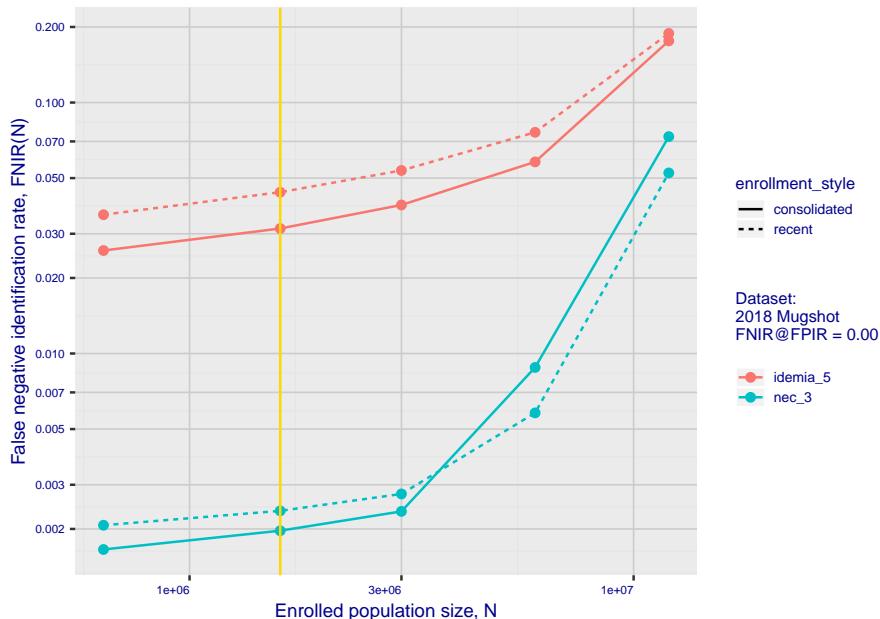


## 1. Report for algorithm idemia\_5 2020-03-20 13:18:41

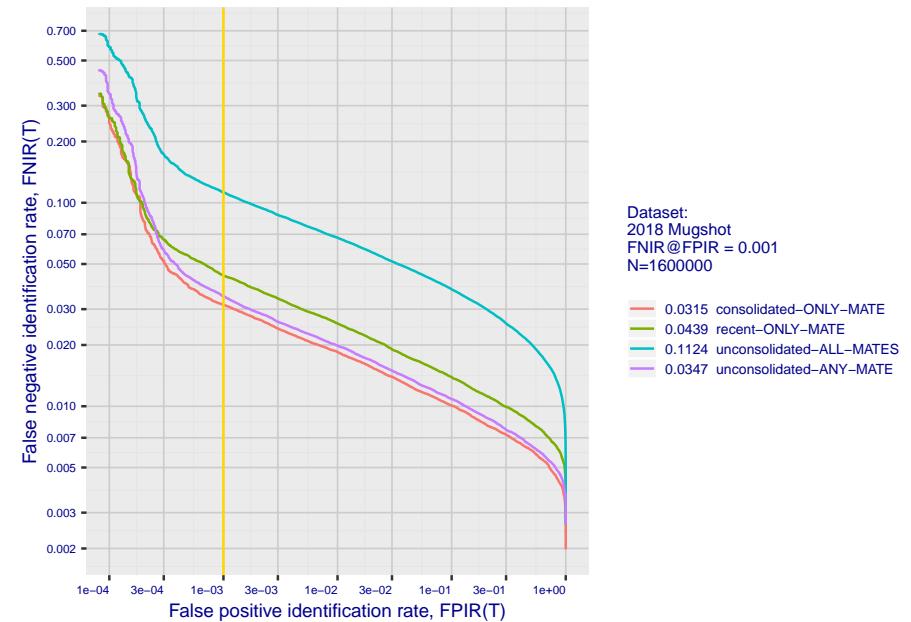
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



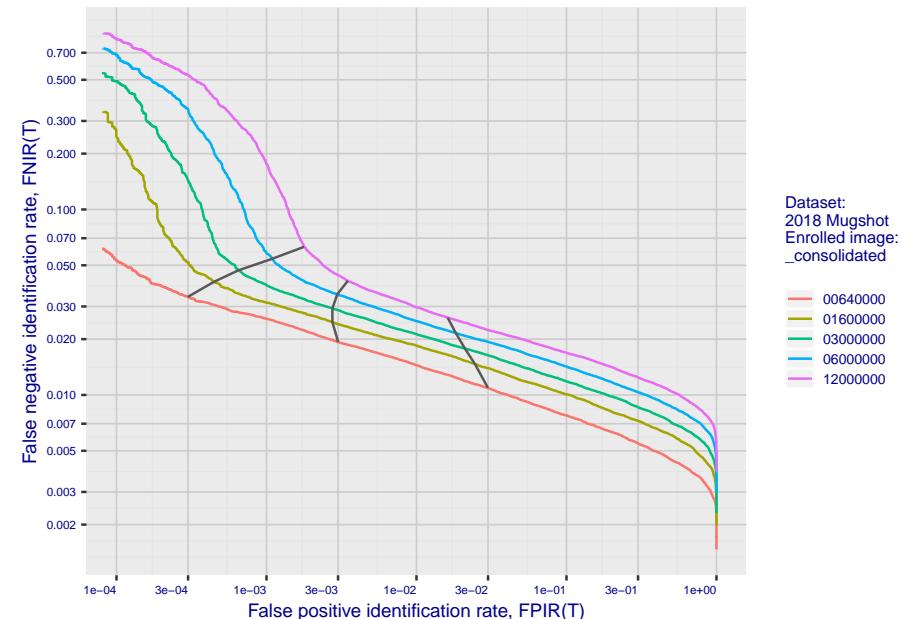
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

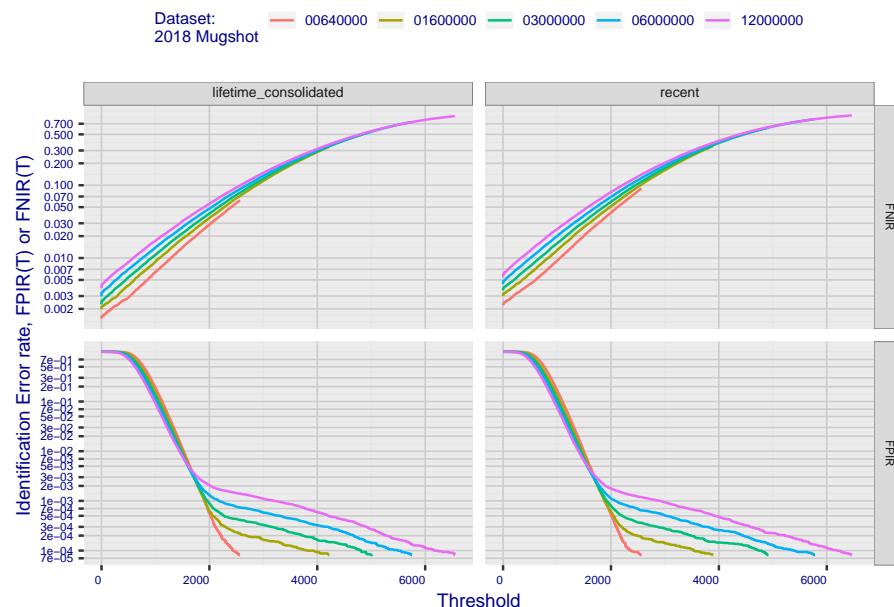


**Fig 4: DET for various N. Links connect points of equal threshold.**

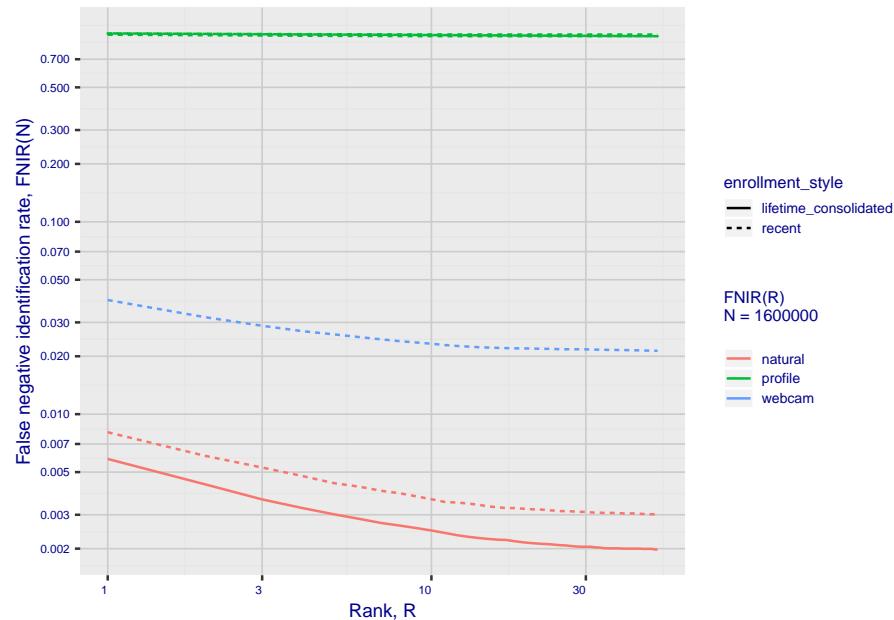


## 2. Report for algorithm idemia\_5 2020-03-20 13:18:41

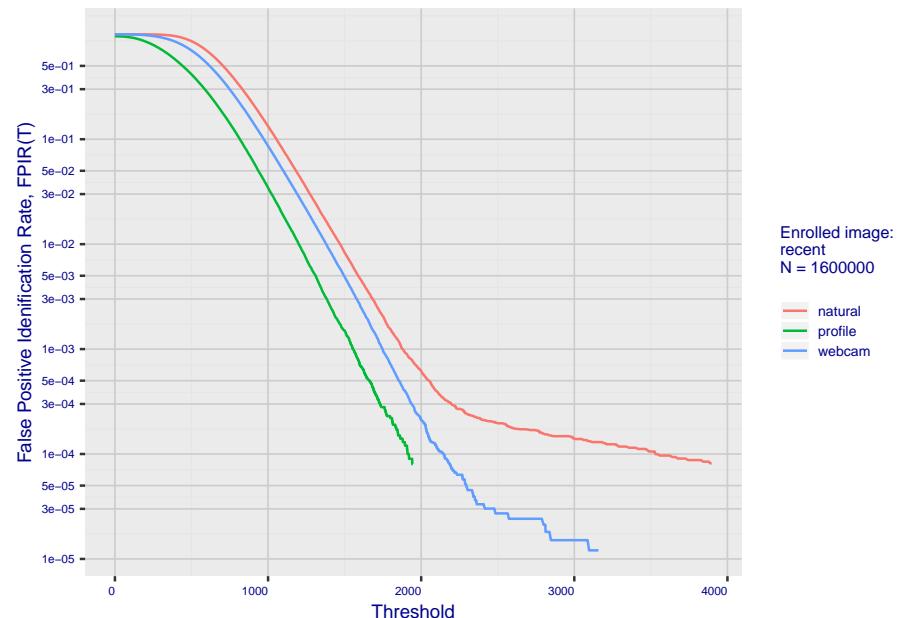
**Fig 5: Dependence on T by number enrolled identities**



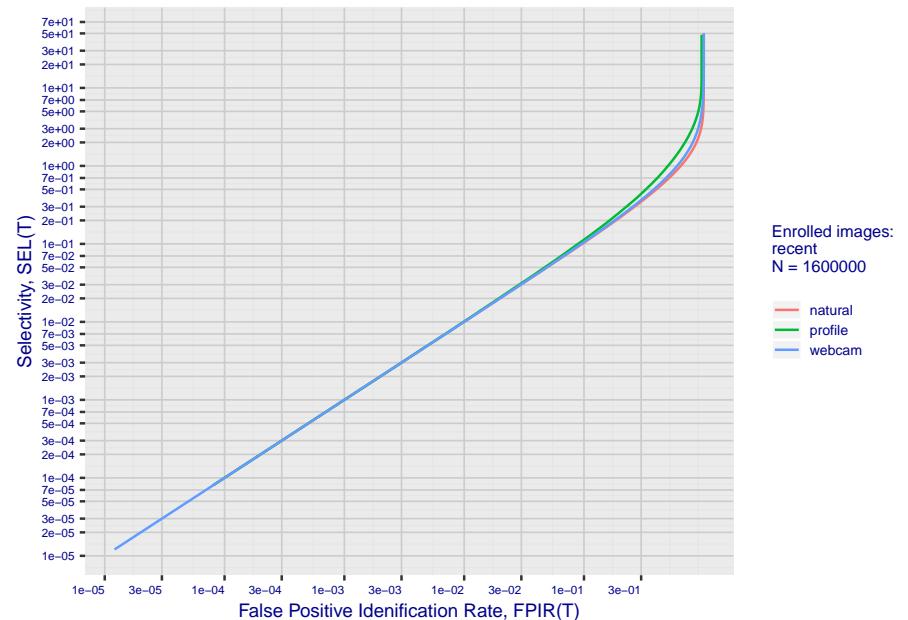
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

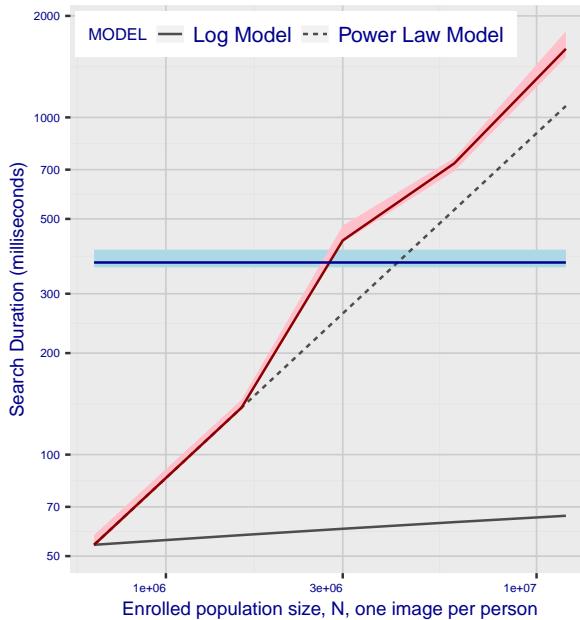


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm idemia\_5 2020-03-20 13:18:41

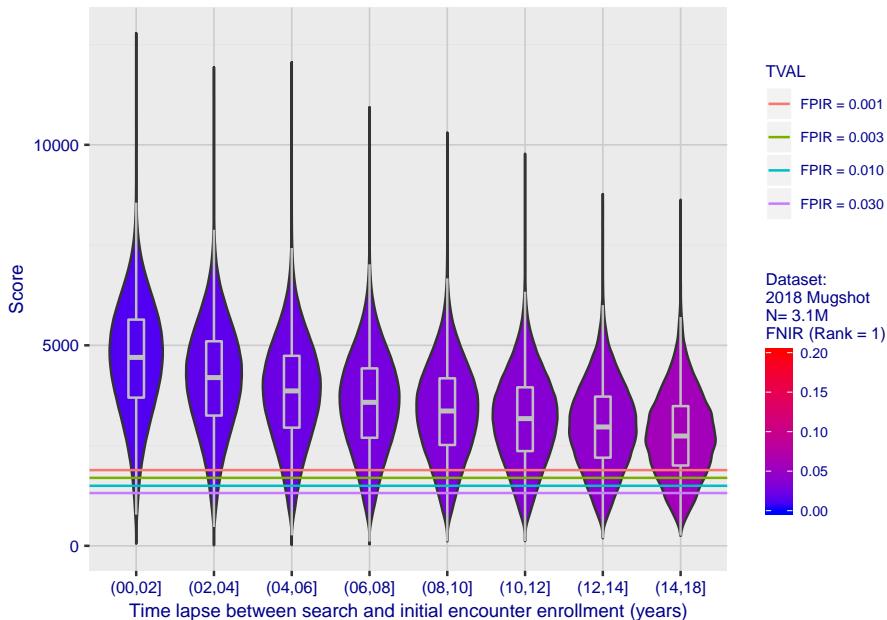
**Fig 10: Template duration; search duration vs. N**



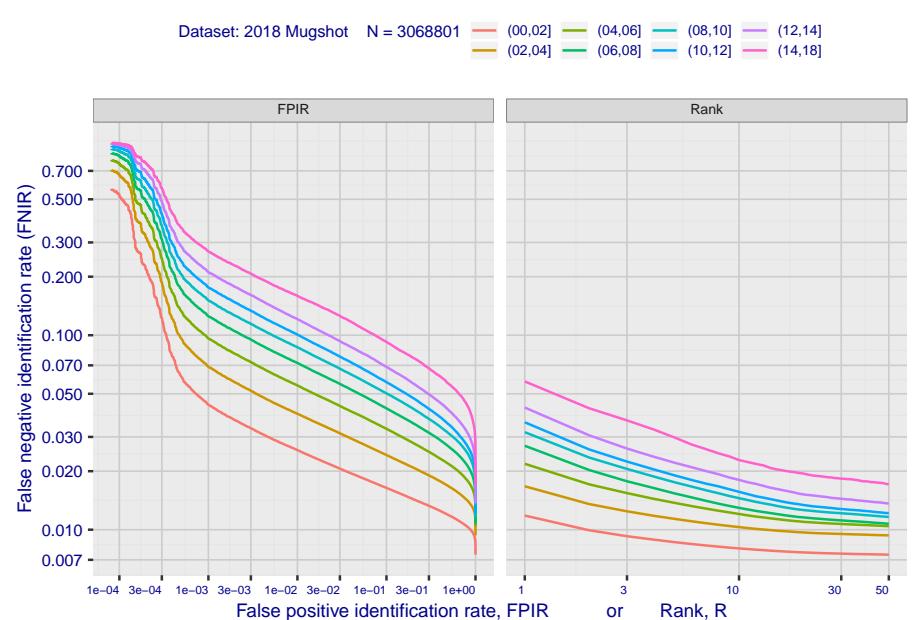
**Fig 11: Datasheet**

Algorithm: idemia_5
Developer: Idemia
Submission Date: 2018_10_29
Template size: 352 bytes
Template time (2.5 percentile): 359 msec
Template time (median): 371 msec
Template time (97.5 percentile): 405 msec
Investigation rank 85 — FNIR(1600000, 0, 1) = 0.0081 vs. lowest 0.0010 from sensetime_003
Identification rank 46 — FNIR(1600000, T, L+1) = 0.0439
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

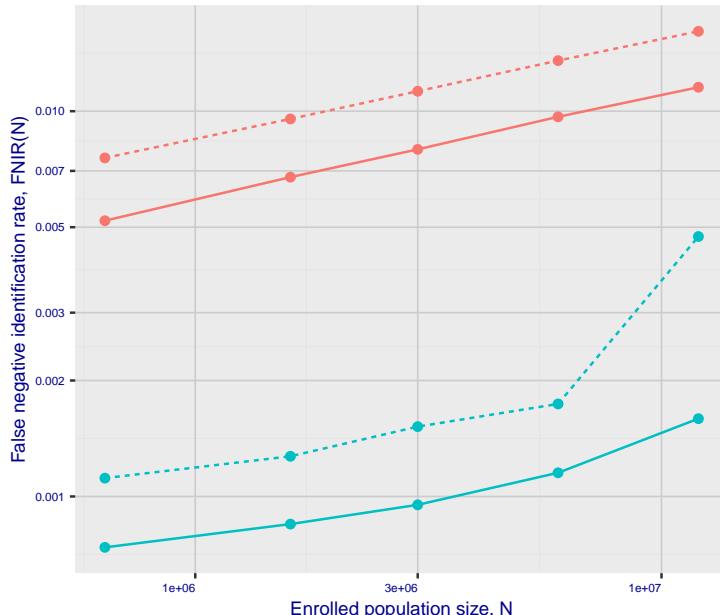


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

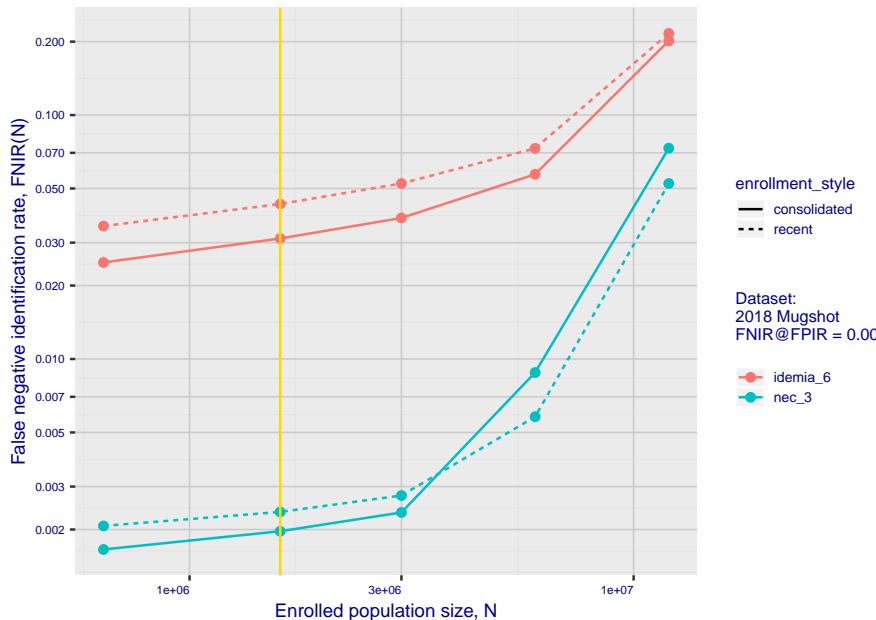


# 1. Report for algorithm idemia\_6 2020-03-20 13:15:05

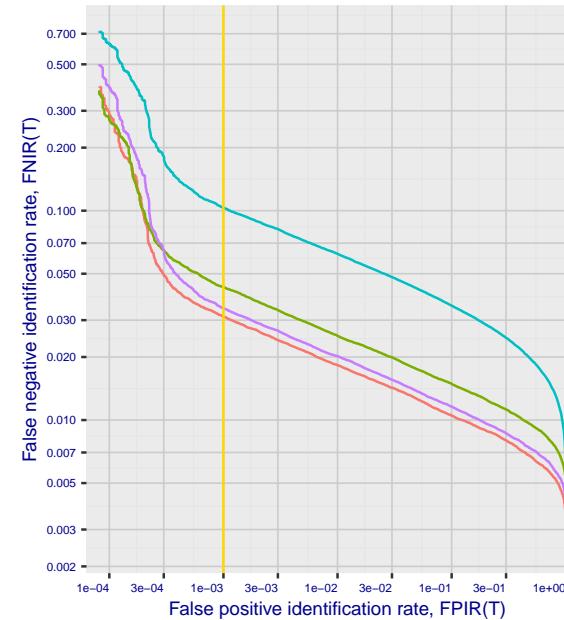
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



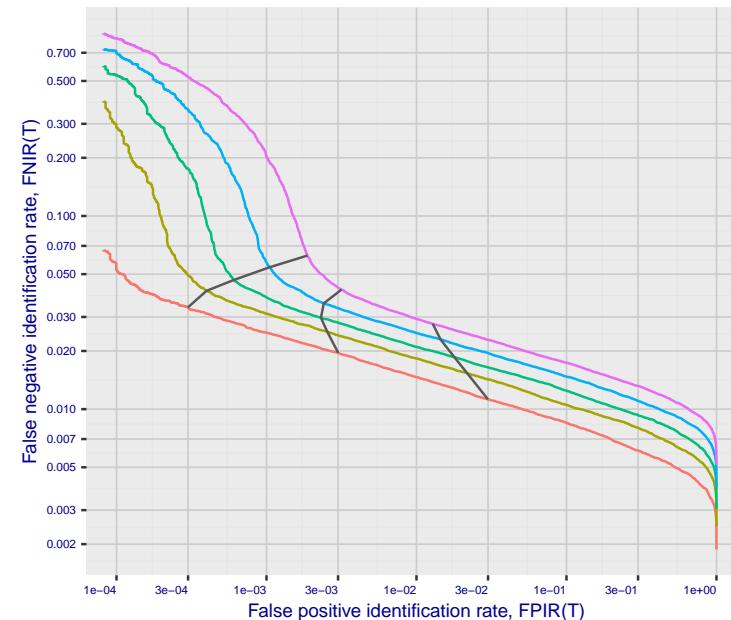
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**

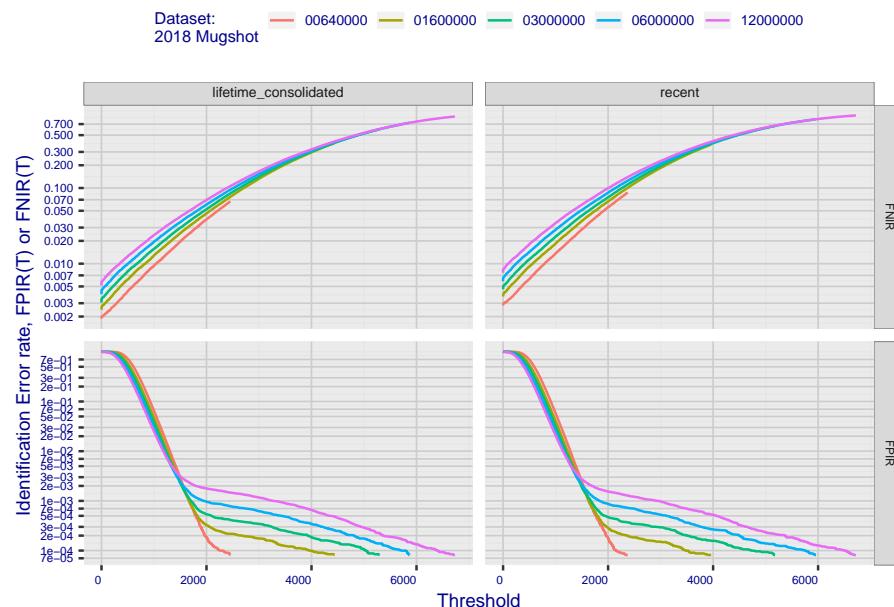


Dataset:  
2018 Mugshot  
FNIR@FPIR = 0.001  
N=1600000

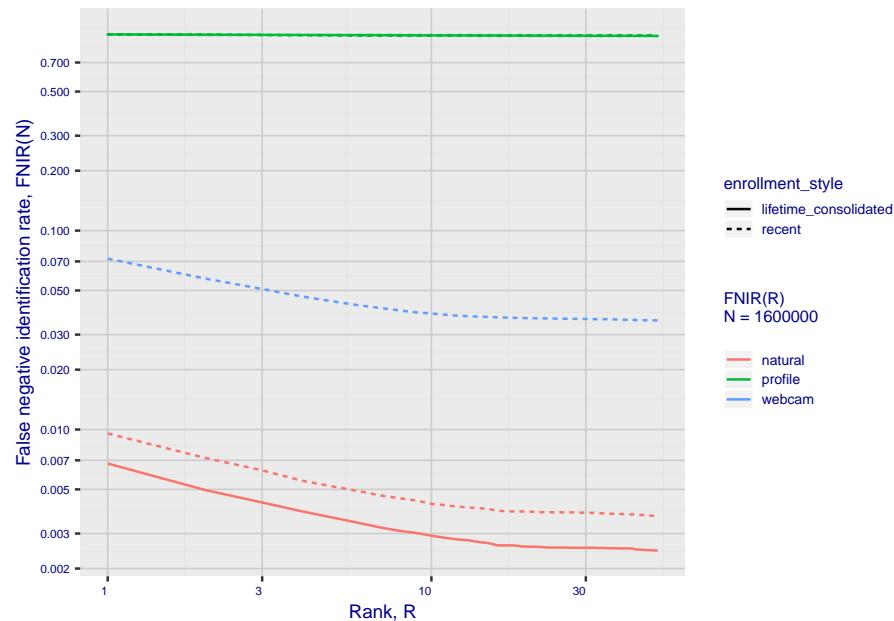
0.0312 consolidated-ONLY-MATE  
0.0432 recent-ONLY-MATE  
0.1032 unconsolidated-ALL-MATES  
0.0342 unconsolidated-ANY-MATE

## 2. Report for algorithm idemia\_6 2020-03-20 13:15:05

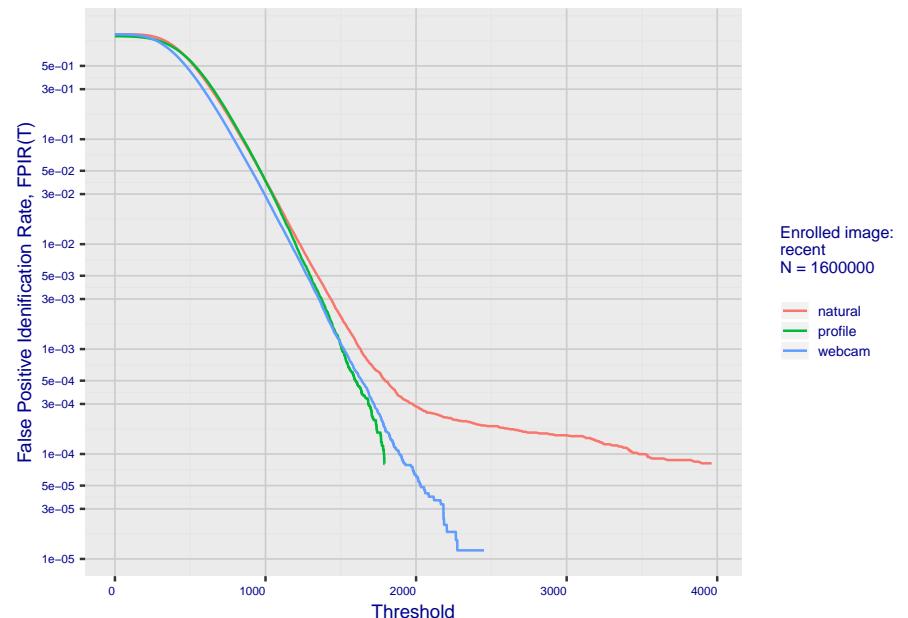
**Fig 5: Dependence on T by number enrolled identities**



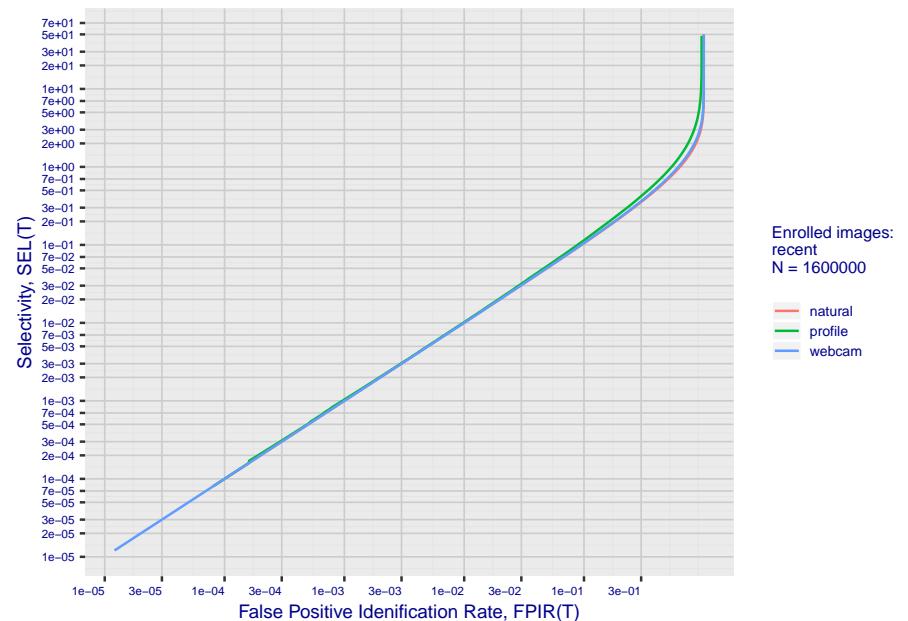
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

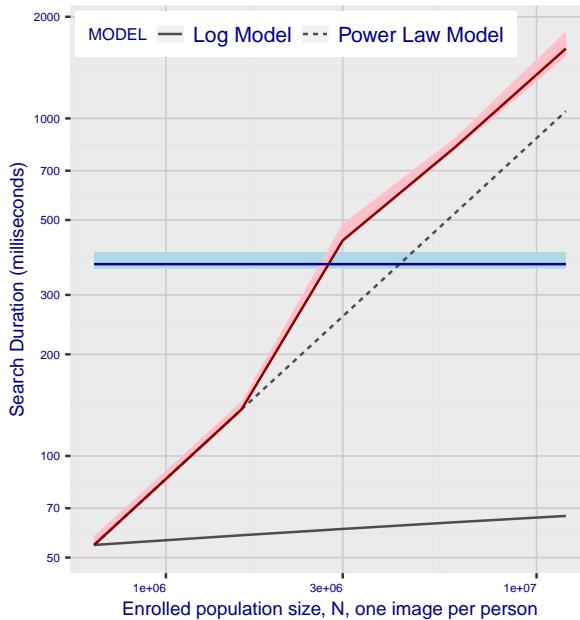


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm idemia\_6 2020-03-20 13:15:05

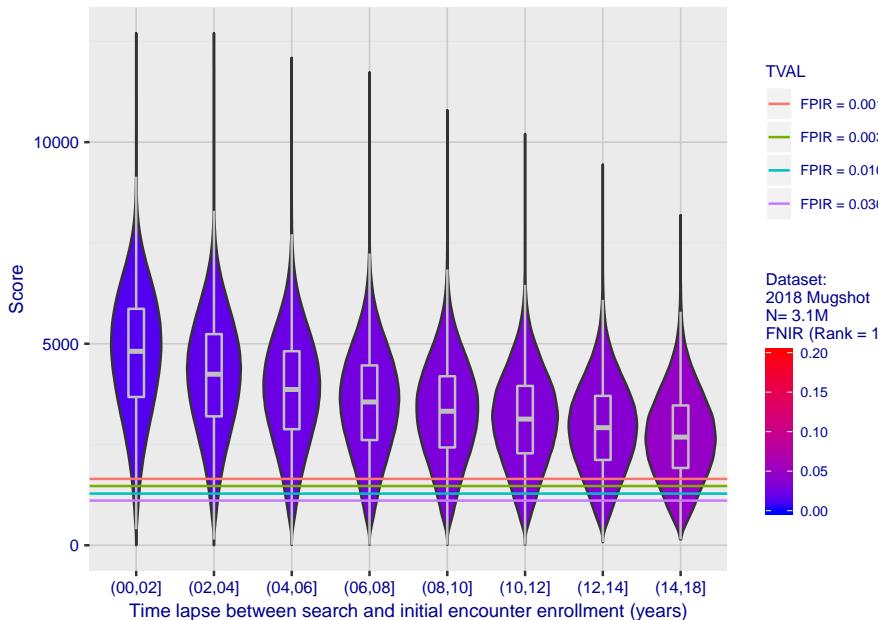
**Fig 10: Template duration; search duration vs. N**



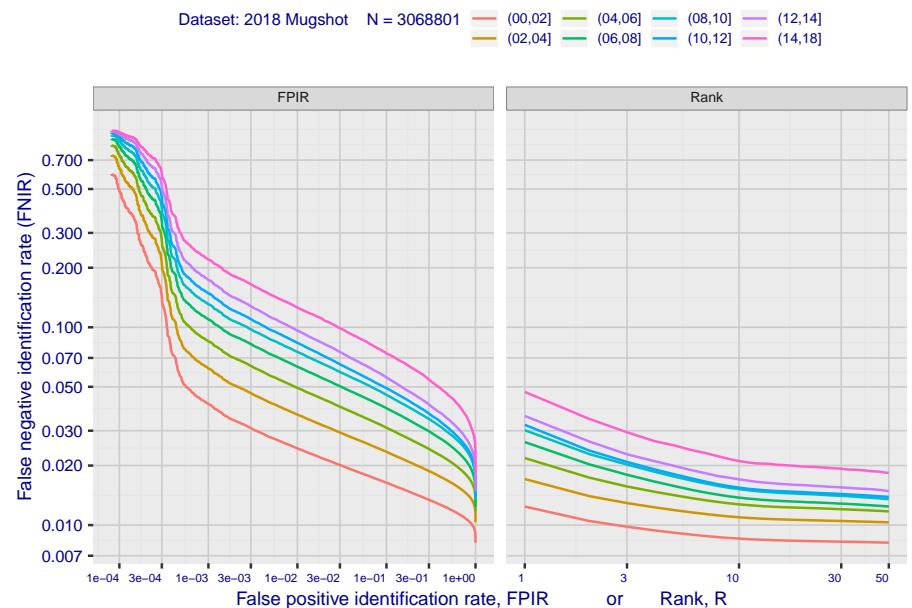
**Fig 11: Datasheet**

Algorithm: idemia_6
Developer: Idemia
Submission Date: 2018_10_29
Template size: 352 bytes
Template time (2.5 percentile): 359 msec
Template time (median): 370 msec
Template time (97.5 percentile): 402 msec
Investigation rank 98 -- FNIR(1600000, 0, 1) = 0.0096 vs. lowest 0.0010 from sensetime_003
Identification rank 42 -- FNIR(1600000, T, L+1) = 0.0432
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

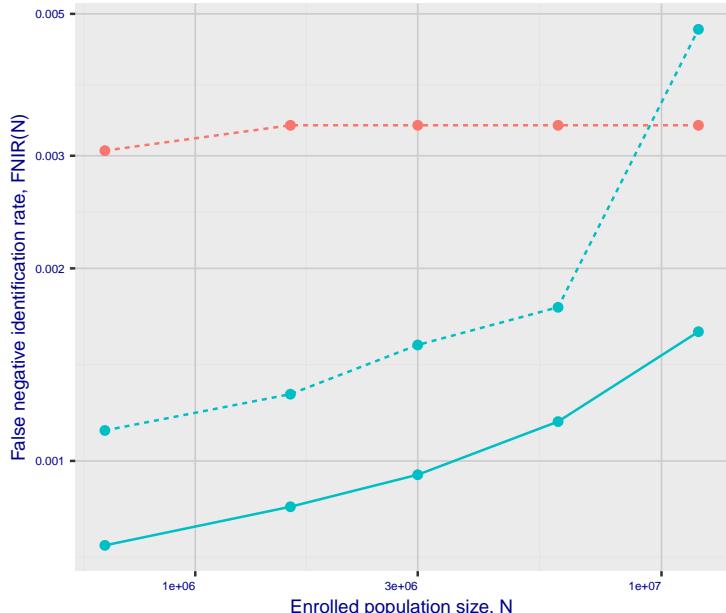


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

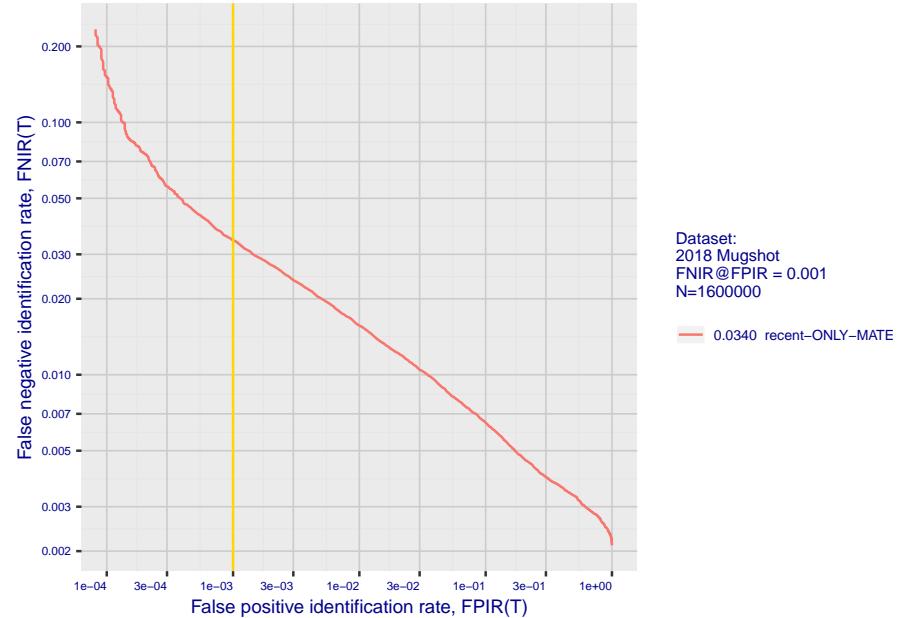


# 1. Report for algorithm iit\_001 2020-03-20 13:16:30

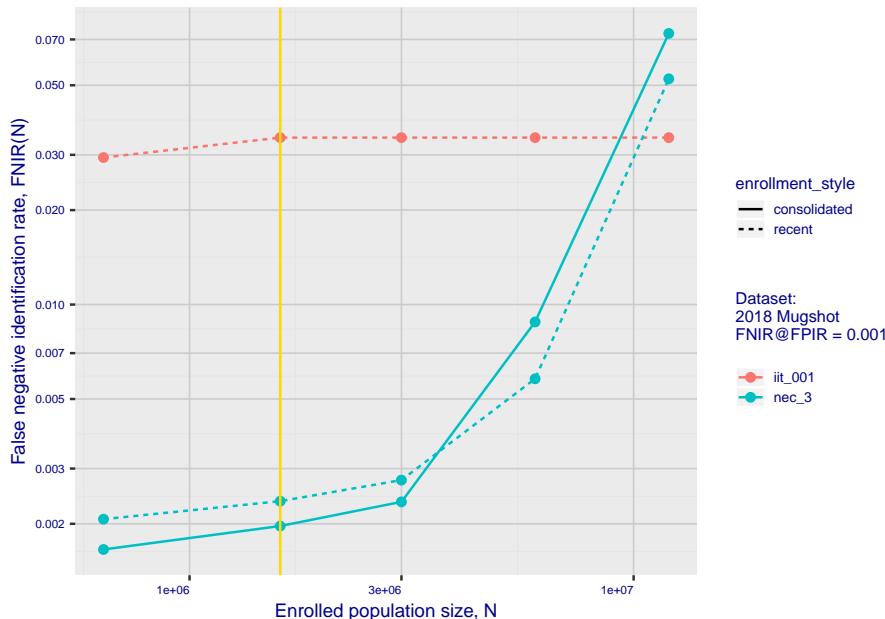
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



**Fig 2: DETs by enrollment type**

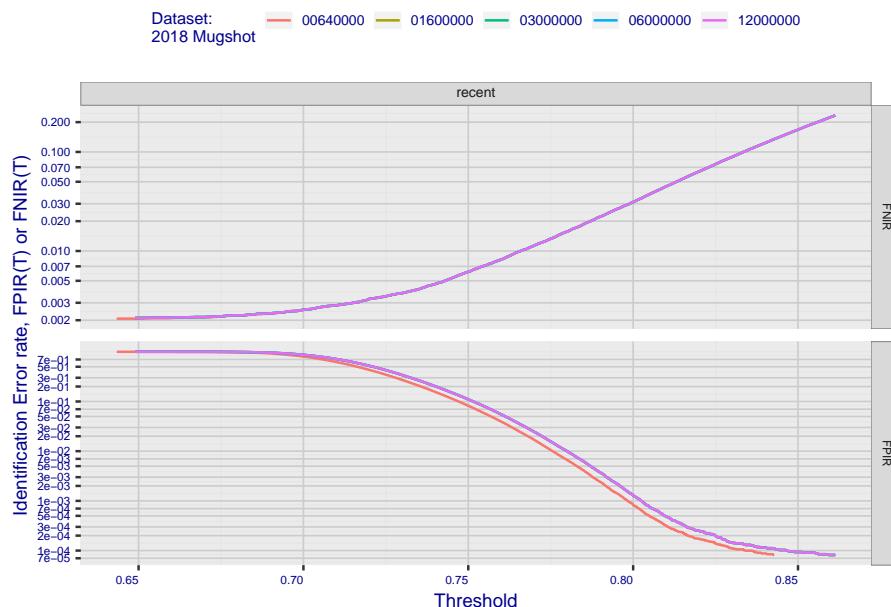


**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

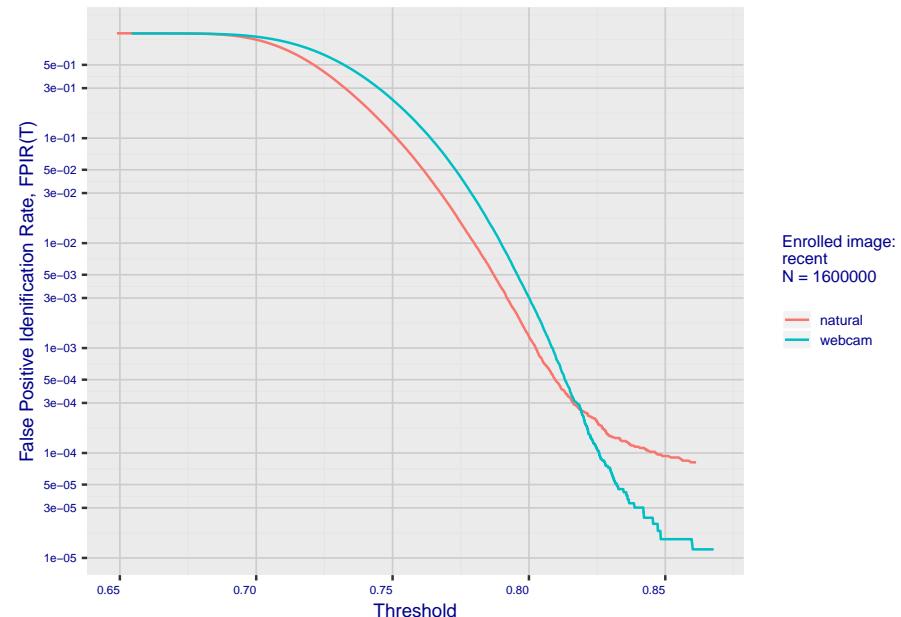


## 2. Report for algorithm iit\_001 2020-03-20 13:16:30

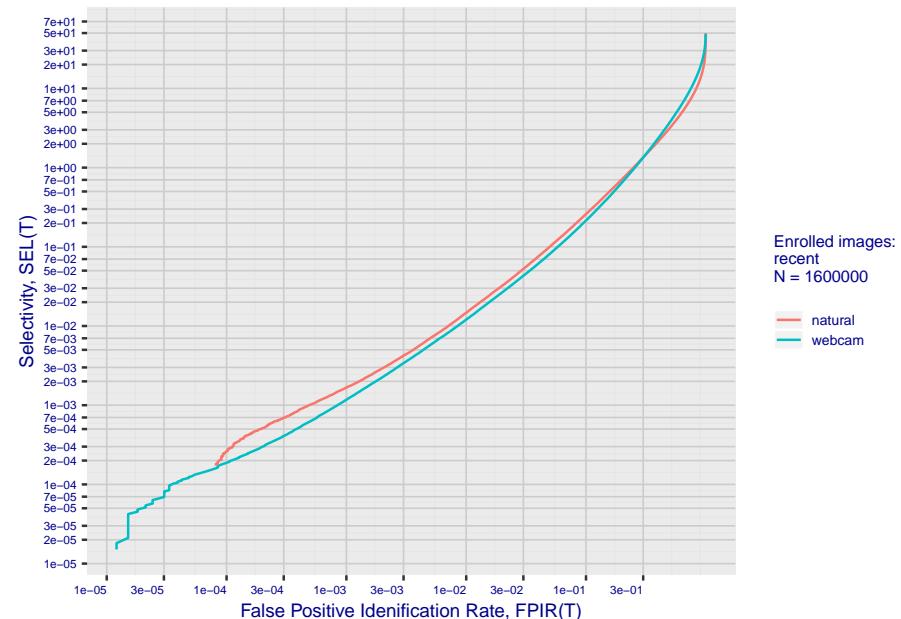
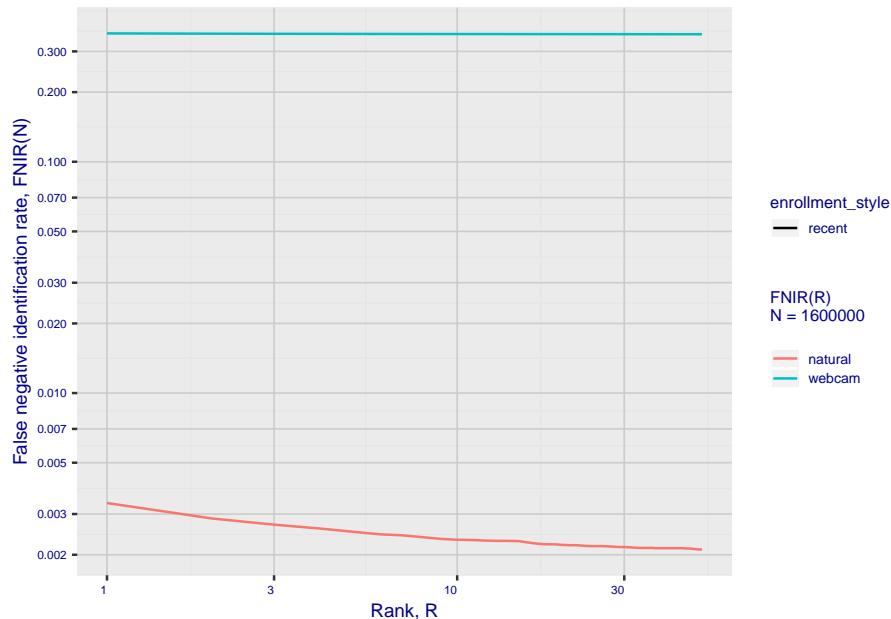
**Fig 5: Dependence on T by number enrolled identities**



**Fig 6: FPIR dependence on T by probe type**

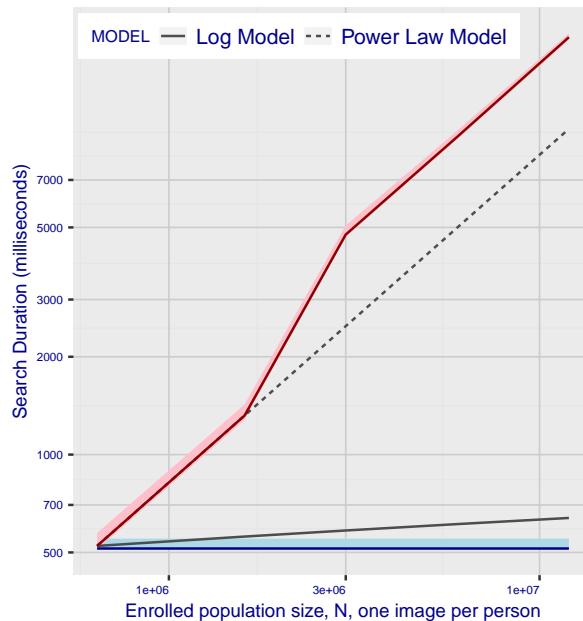


**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**3. Report for algorithm iit\_001 2020-03-20 13:16:30**

**Fig 10: Template duration; search duration vs. N**

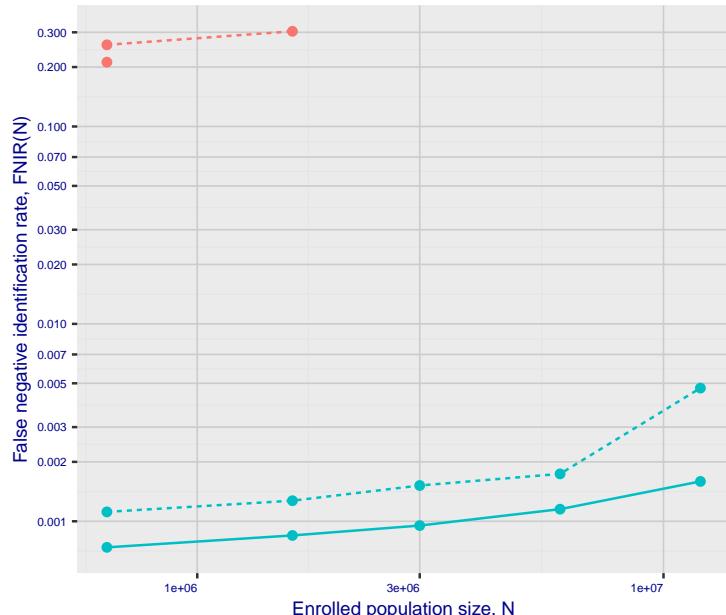


**Fig 11: Datasheet**

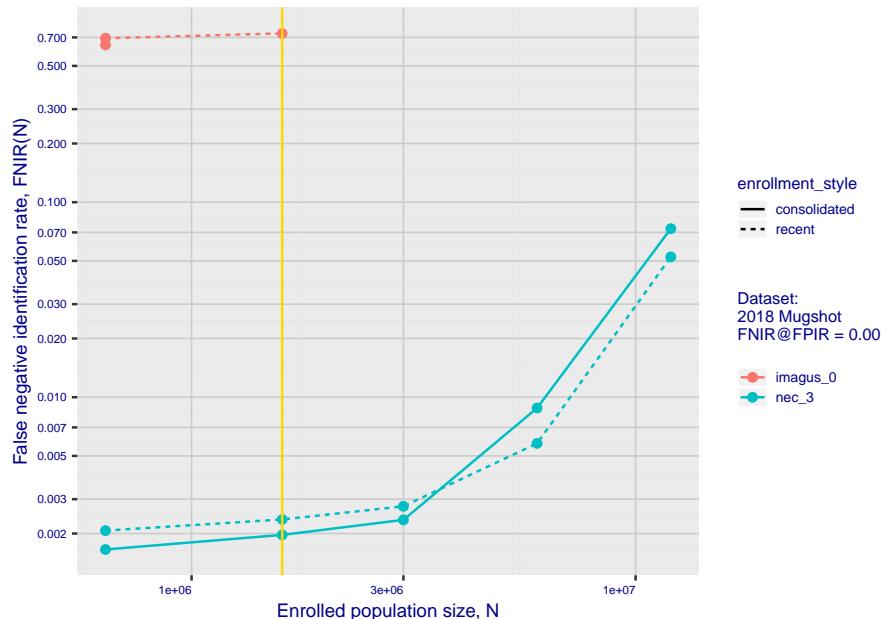
Algorithm: iit_001
Developer: Institute of Information Technologies
Submission Date: 2019_12_04
Template size: 2048 bytes
Template time (2.5 percentile): 513 msec
Template time (median): 514 msec
Template time (97.5 percentile): 551 msec
Investigation rank 32 --- FNIR(1600000, 0, 1) = 0.0033 vs. lowest 0.0010 from sensetime_001
Identification rank 33 --- FNIR(1600000, T, L+1) = 0.0340
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm **imagus\_0** 2020-03-20 13:16:38

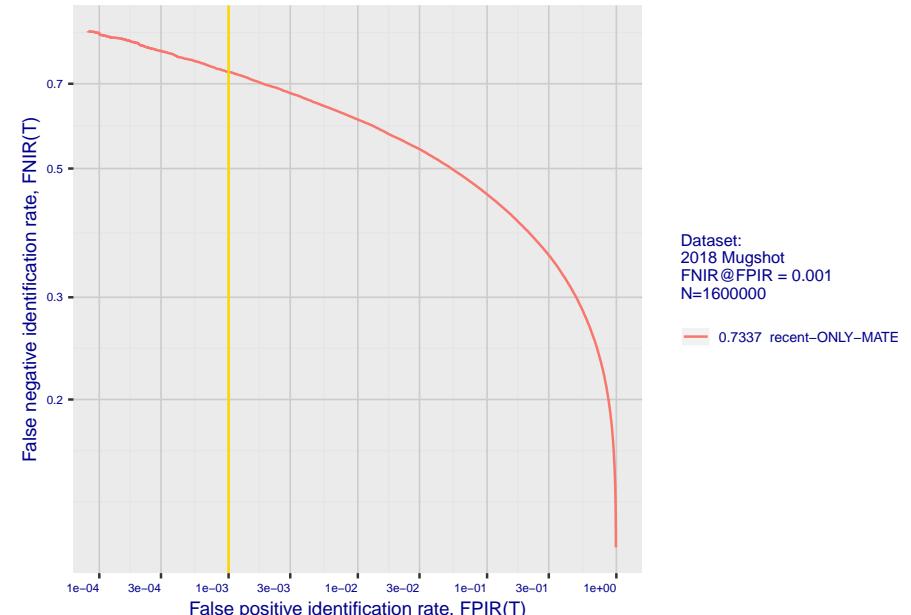
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



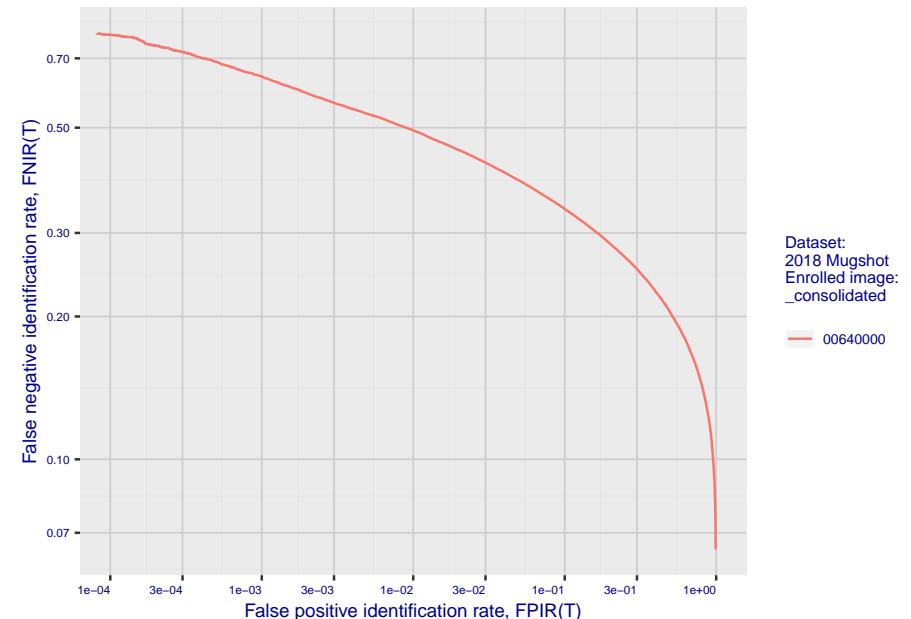
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

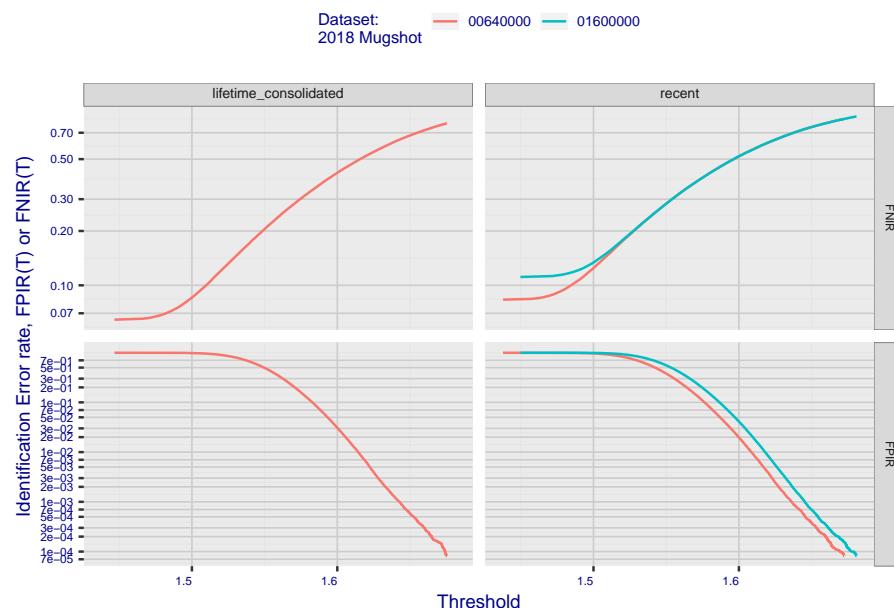


**Fig 4: DET for various N. Links connect points of equal threshold.**

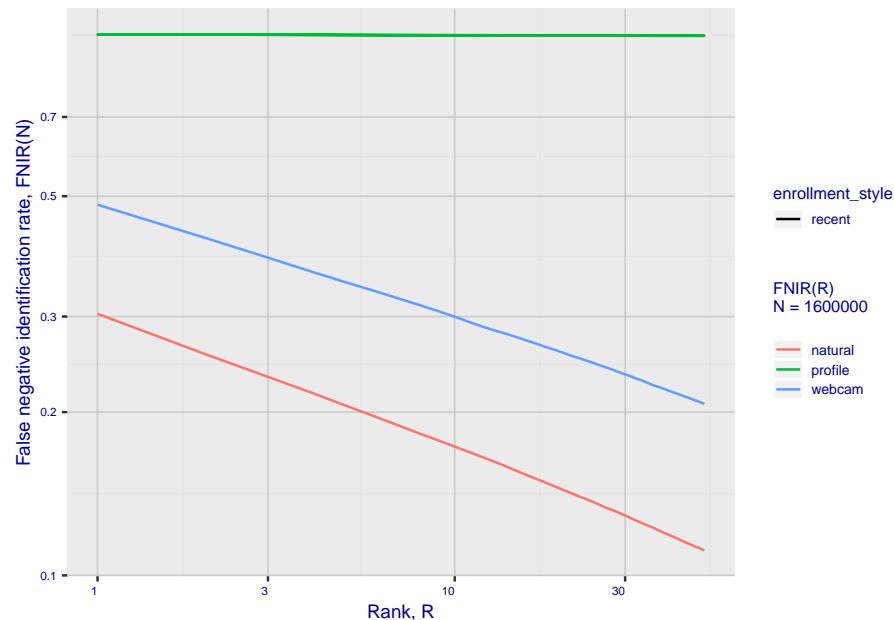


## 2. Report for algorithm imagus\_0 2020-03-20 13:16:38

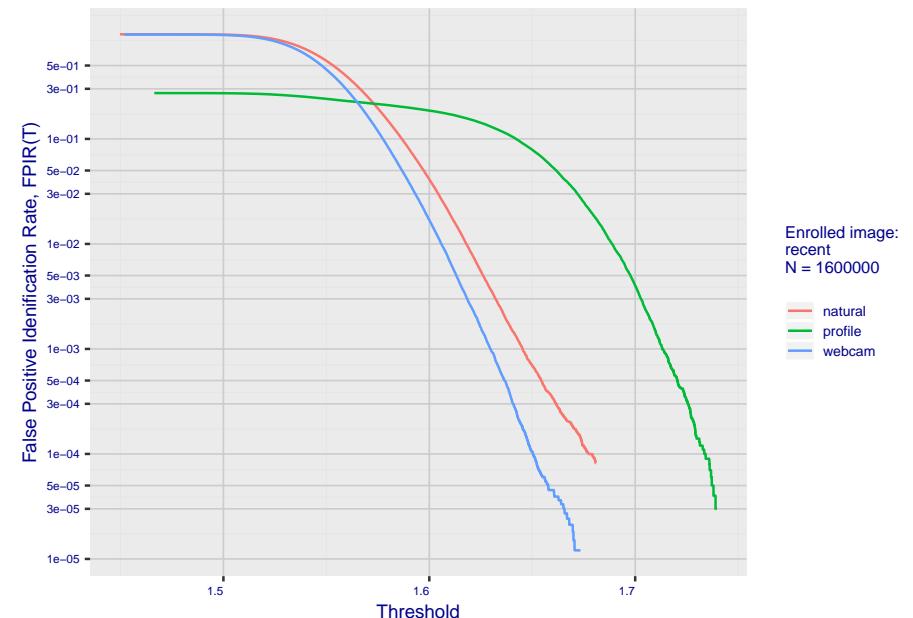
**Fig 5: Dependence on T by number enrolled identities**



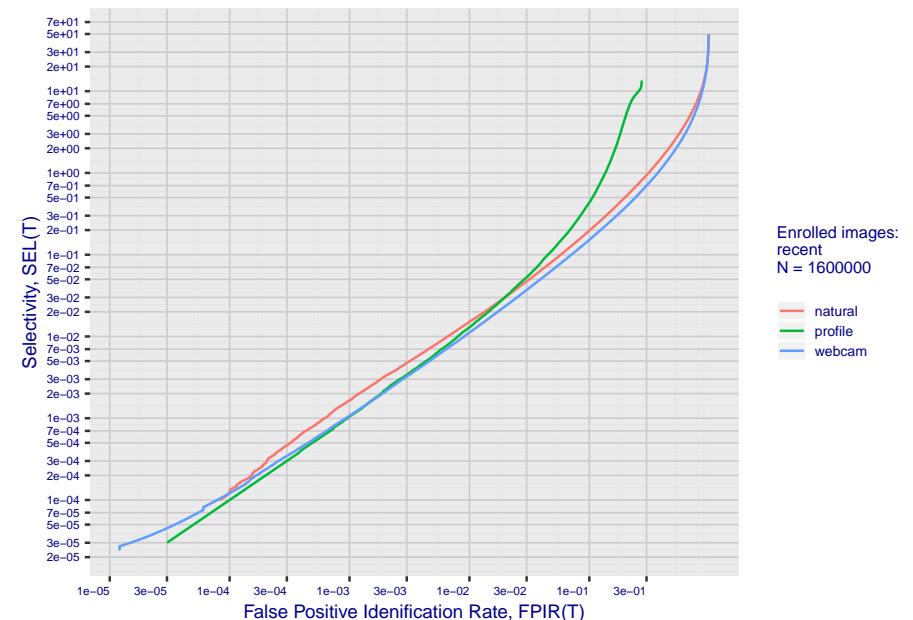
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

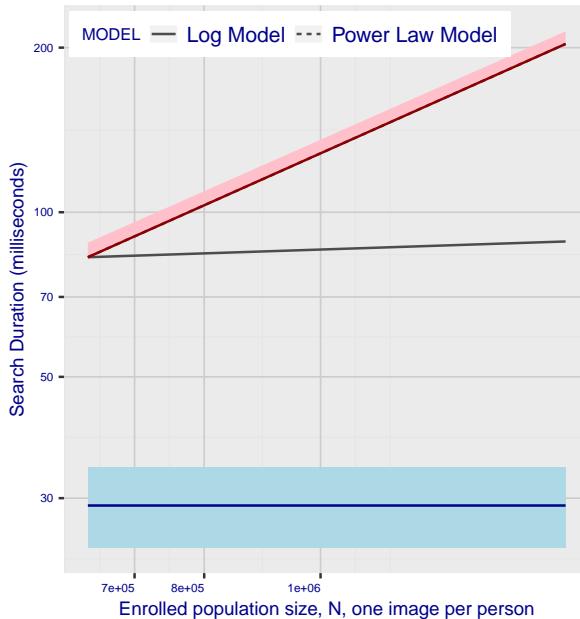


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm **imagus\_0** 2020-03-20 13:16:38

**Fig 10: Template duration; search duration vs. N**

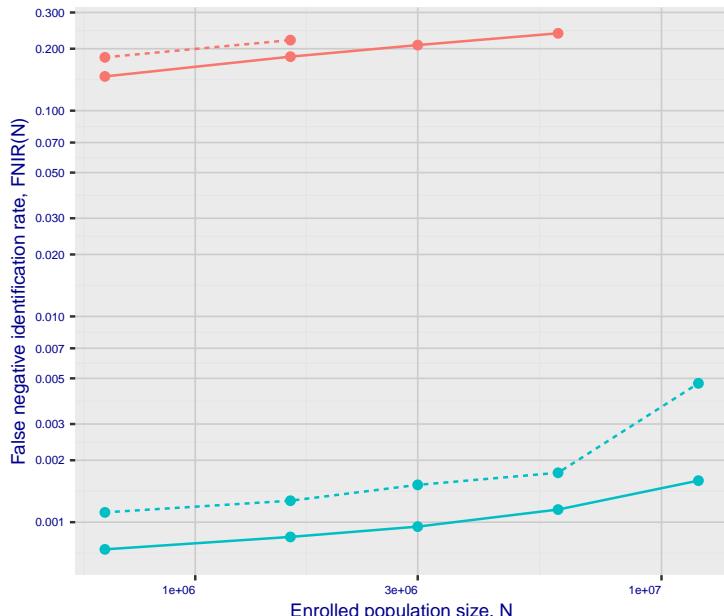


**Fig 11: Datasheet**

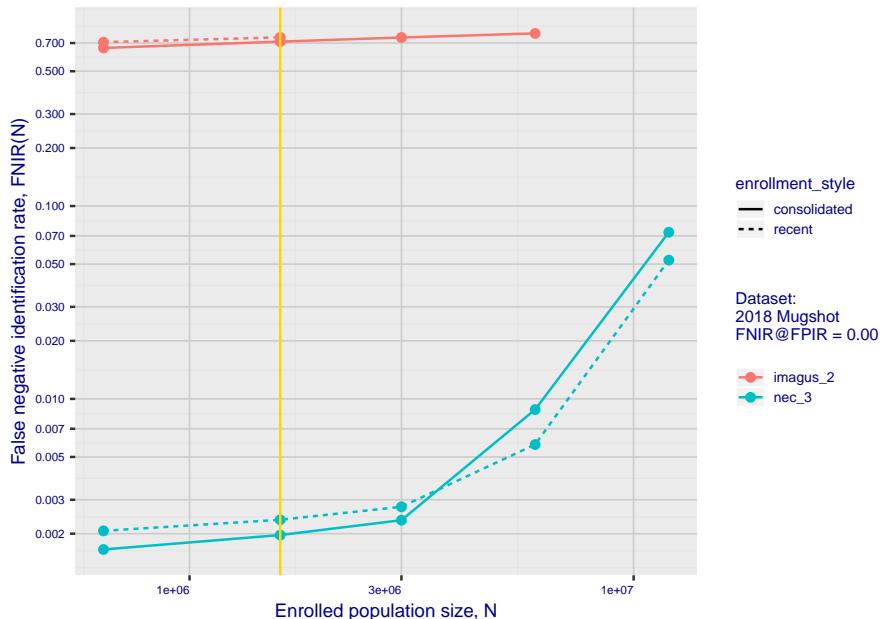
Algorithm: **imagus\_0**  
Developer: Imagus Technology Pty Ltd  
Submission Date: 2018\_02\_14  
Template size: 512 bytes  
Template time (2.5 percentile): 24 msec  
Template time (median): 29 msec  
Template time (97.5 percentile): 34 msec  
Investigation rank 221 -- FNIR(1600000, 0, 1) = 0.3035 vs. lowest 0.0010 from sensetime\_003  
Identification rank 209 -- FNIR(1600000, T, L+1) = 0.7337  
FPIR = 0.001 vs. lowest 0.0018 from sensetime\_003

# 1. Report for algorithm **imagus\_2** 2020-03-20 13:12:51

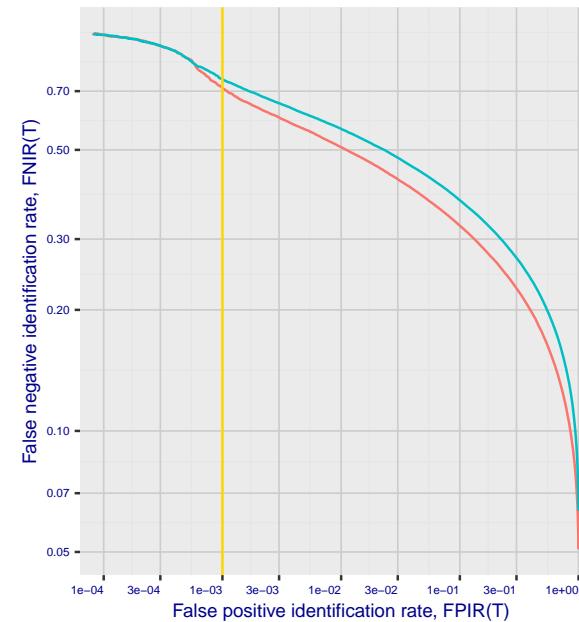
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



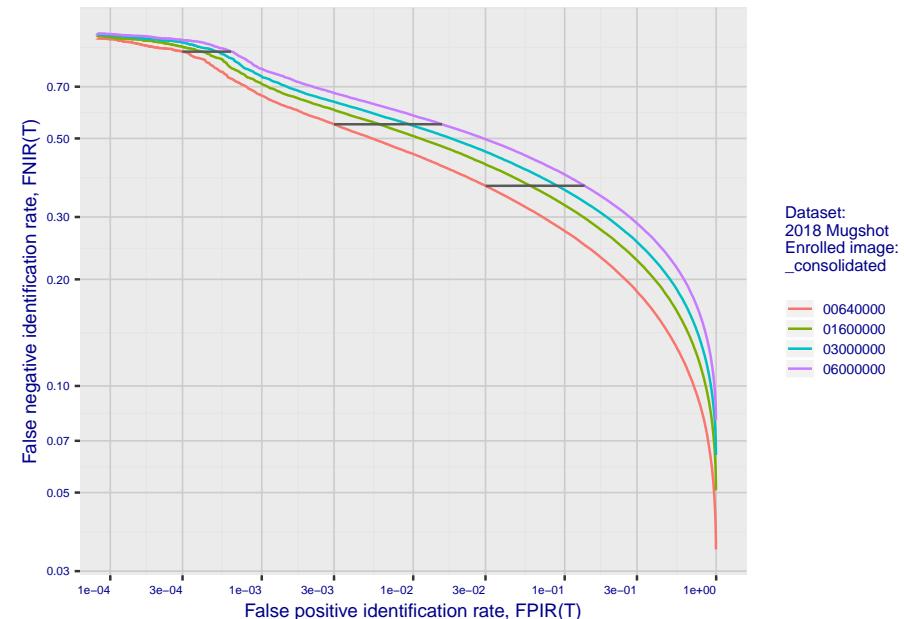
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

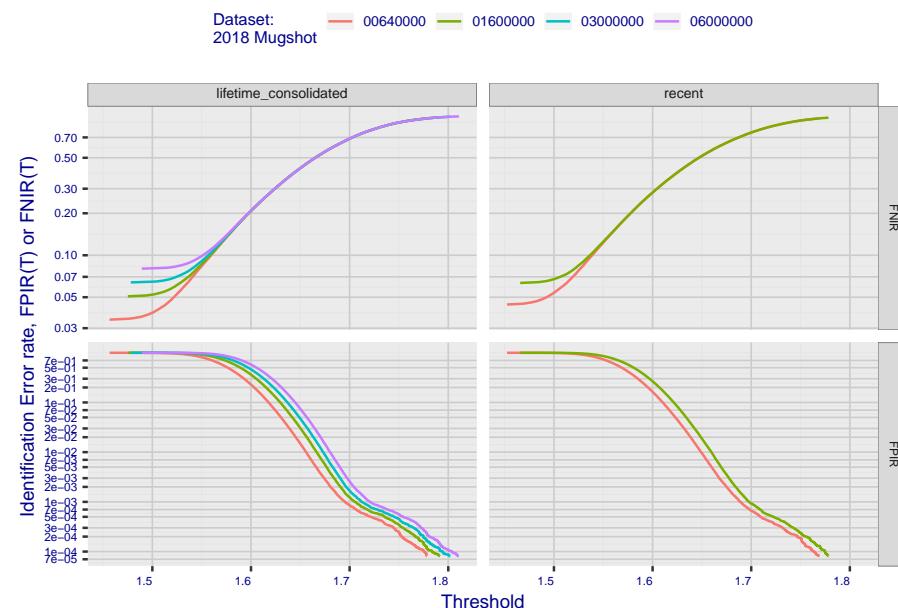


**Fig 4: DET for various N. Links connect points of equal threshold.**

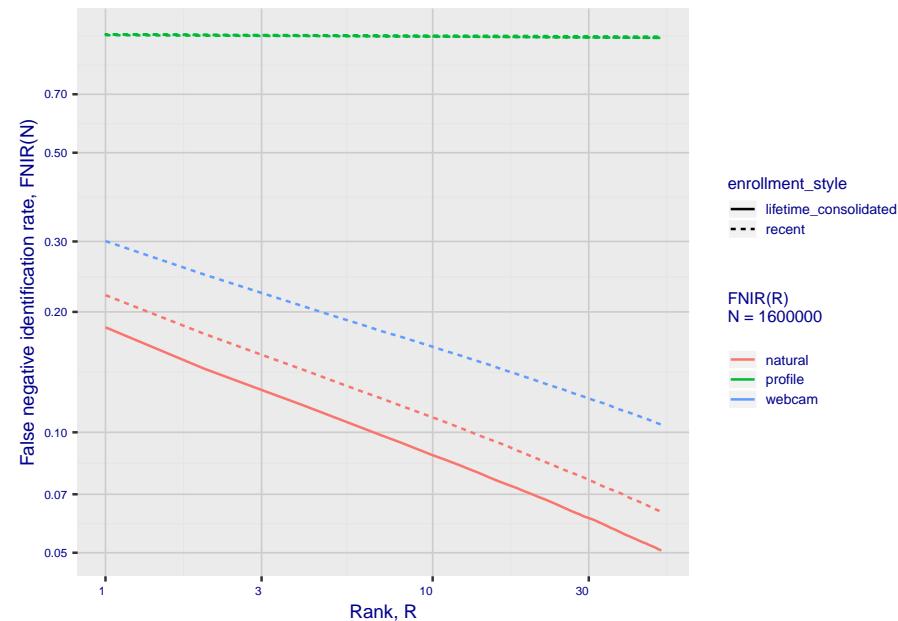


## 2. Report for algorithm **imagus\_2** 2020-03-20 13:12:51

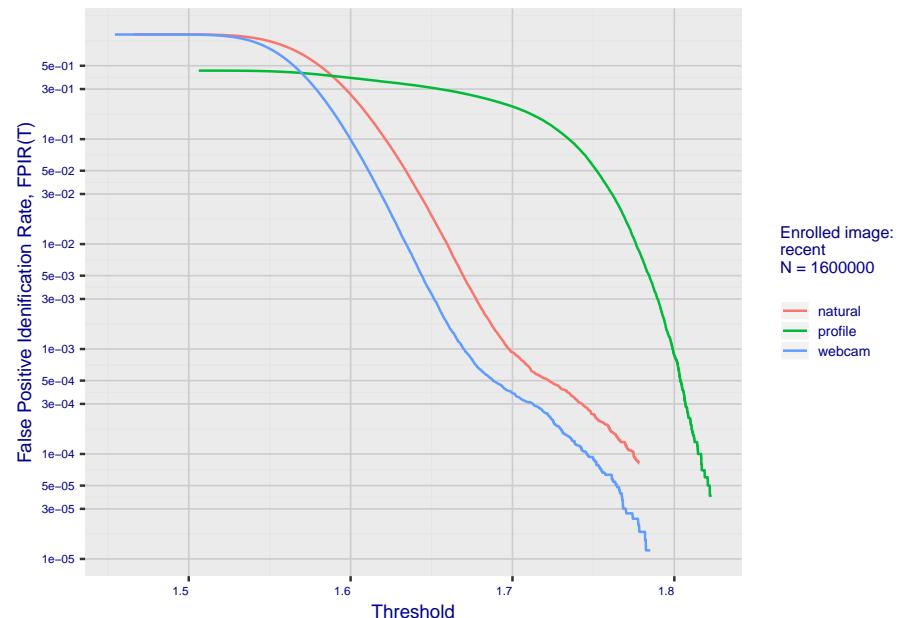
**Fig 5: Dependence on T by number enrolled identities**



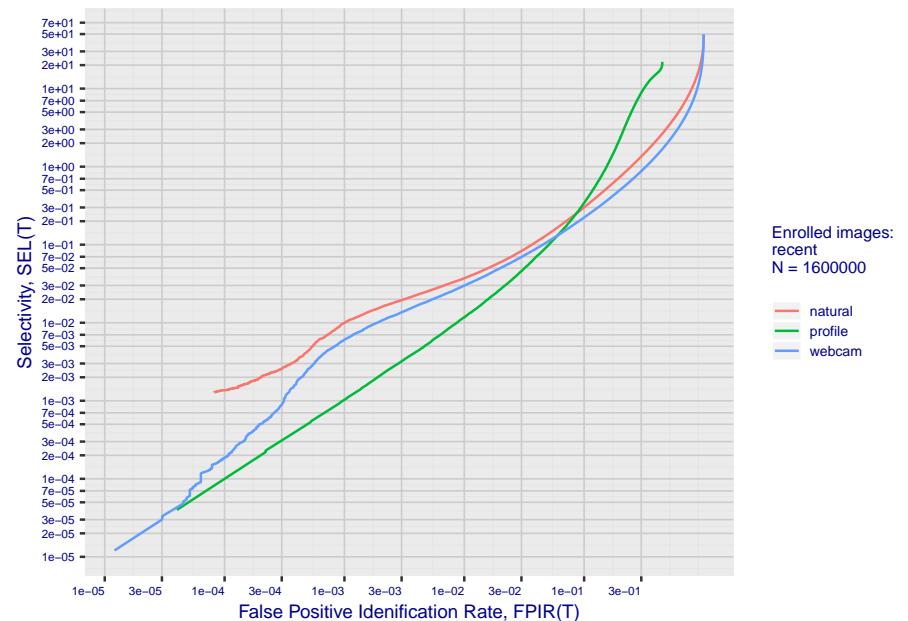
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

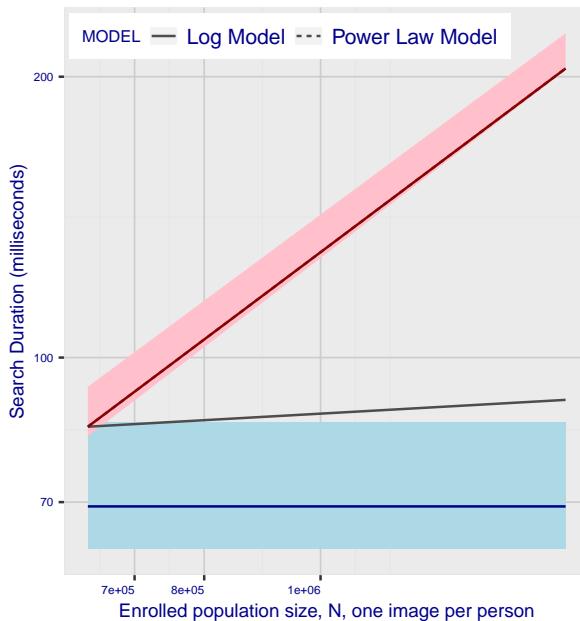


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm **imagus\_2** 2020-03-20 13:12:51

**Fig 10: Template duration; search duration vs. N**

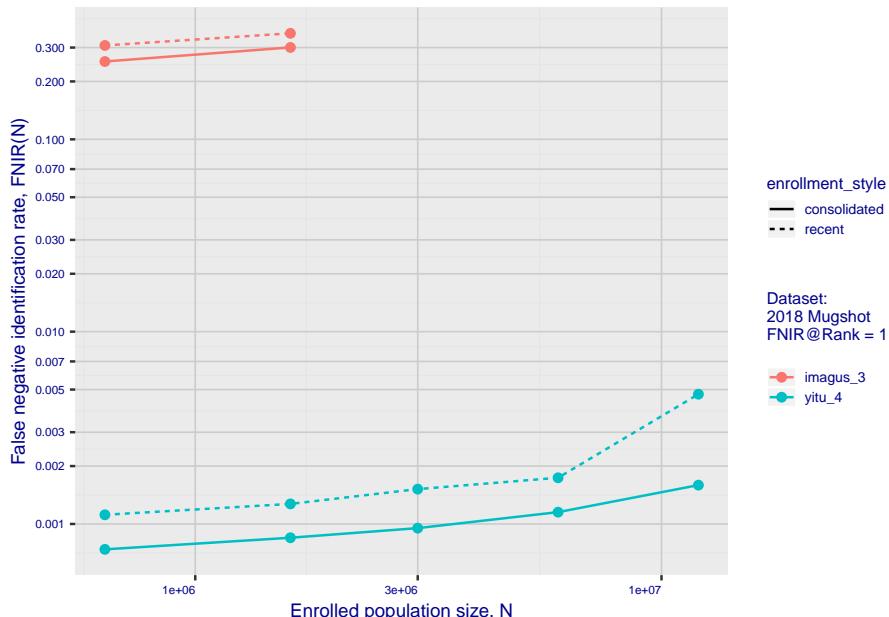


**Fig 11: Datasheet**

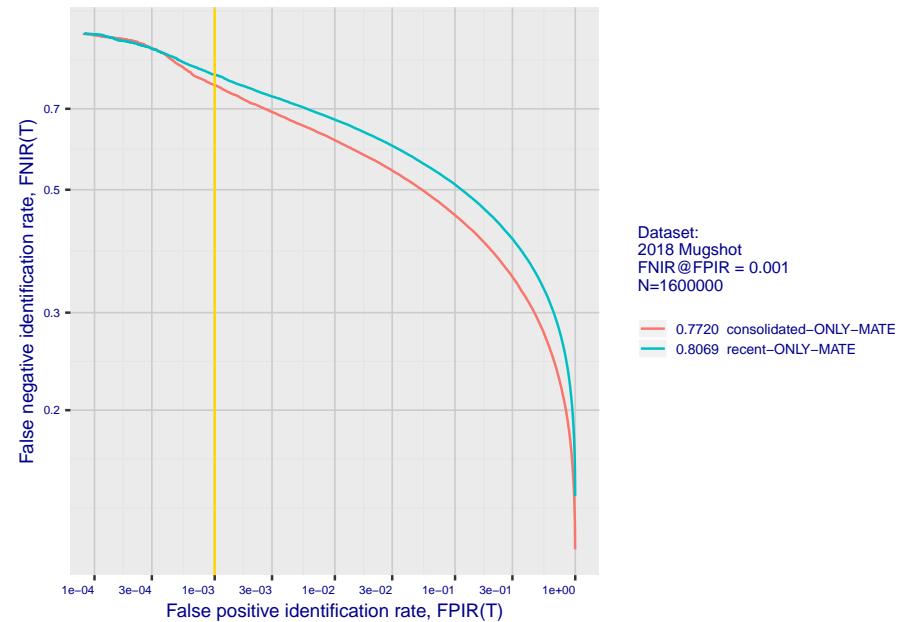
Algorithm: <b>imagus_2</b>
Developer: Imagus Technology Pty Ltd
Submission Date: 2018_06_21
Template size: 512 bytes
Template time (2.5 percentile): 62 msec
Template time (median): 69 msec
Template time (97.5 percentile): 85 msec
Investigation rank 213 -- FNIR(160000, 0, 1) = 0.2203 vs. lowest 0.0010 from sensetime_003
Identification rank 210 -- FNIR(160000, T, L+1) = 0.7491
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm **imagus\_3** 2020-03-20 13:16:39

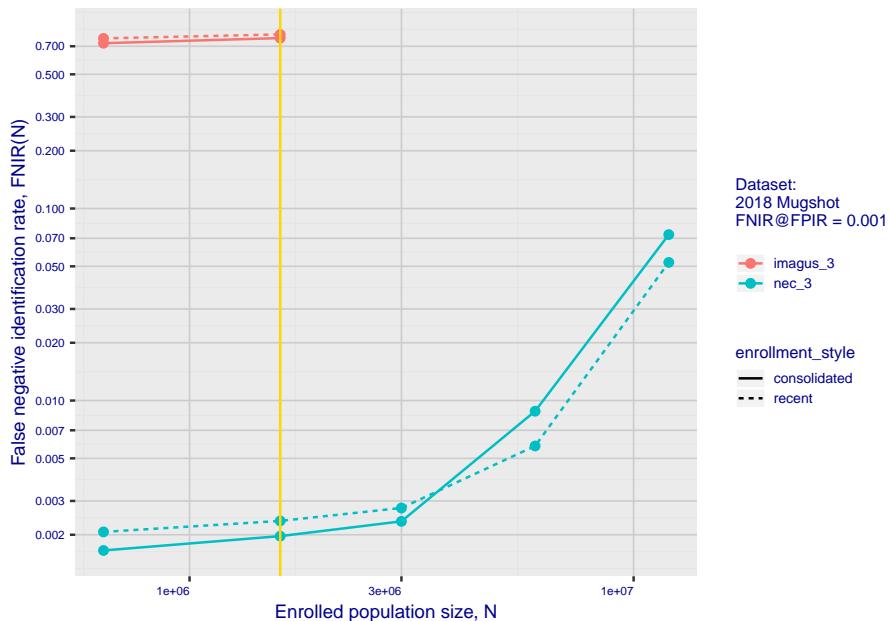
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



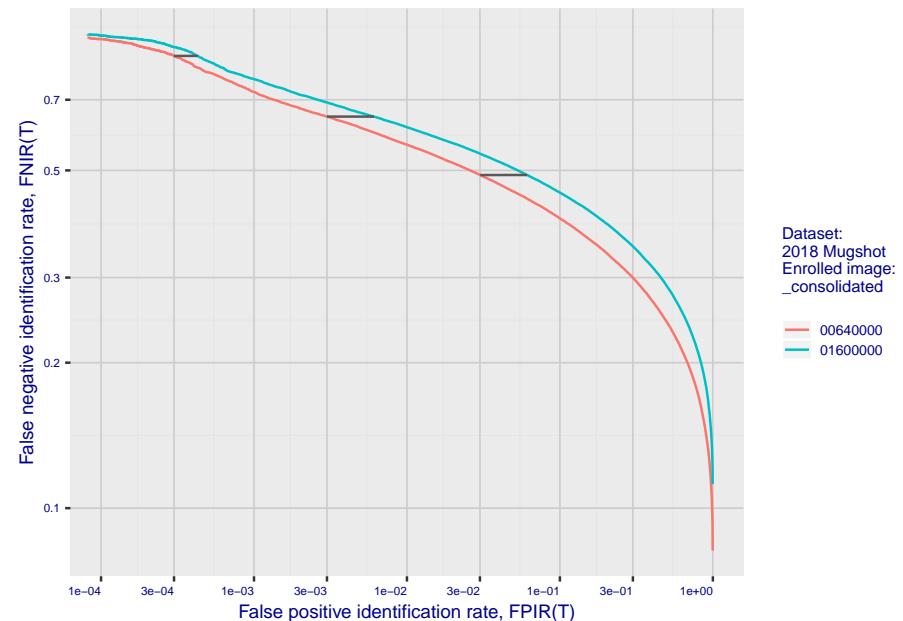
**Fig 2: DETs by enrollment type**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

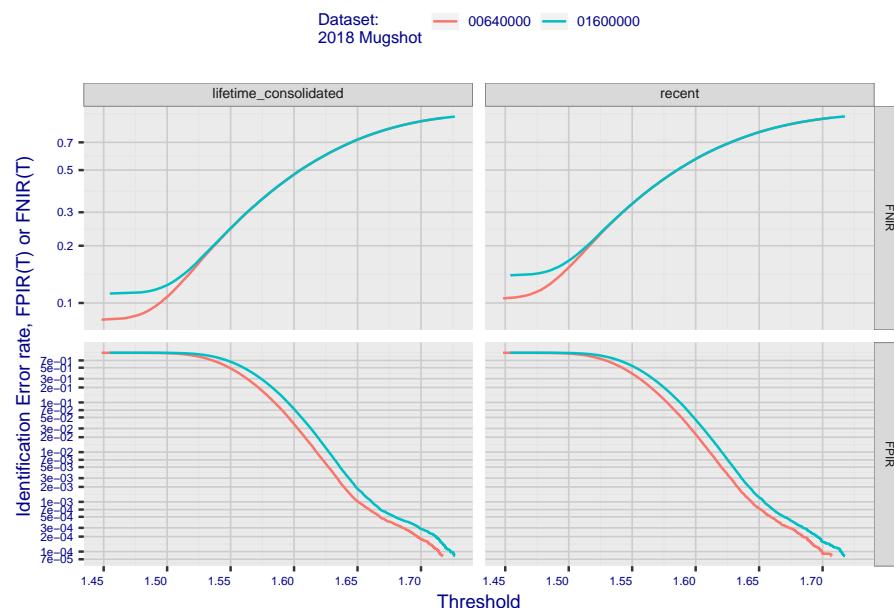


**Fig 4: DET for various N. Links connect points of equal threshold.**

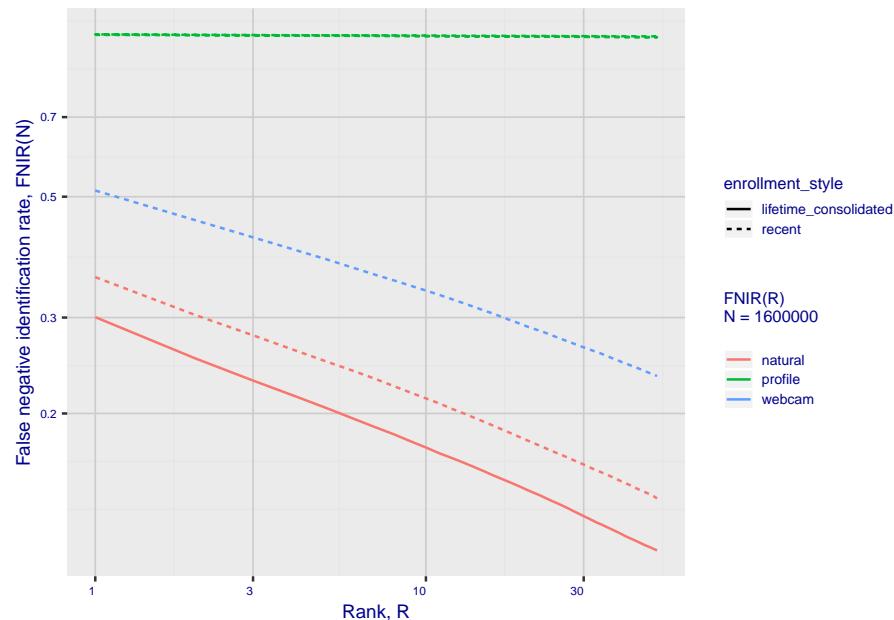


## 2. Report for algorithm imagus\_3 2020-03-20 13:16:39

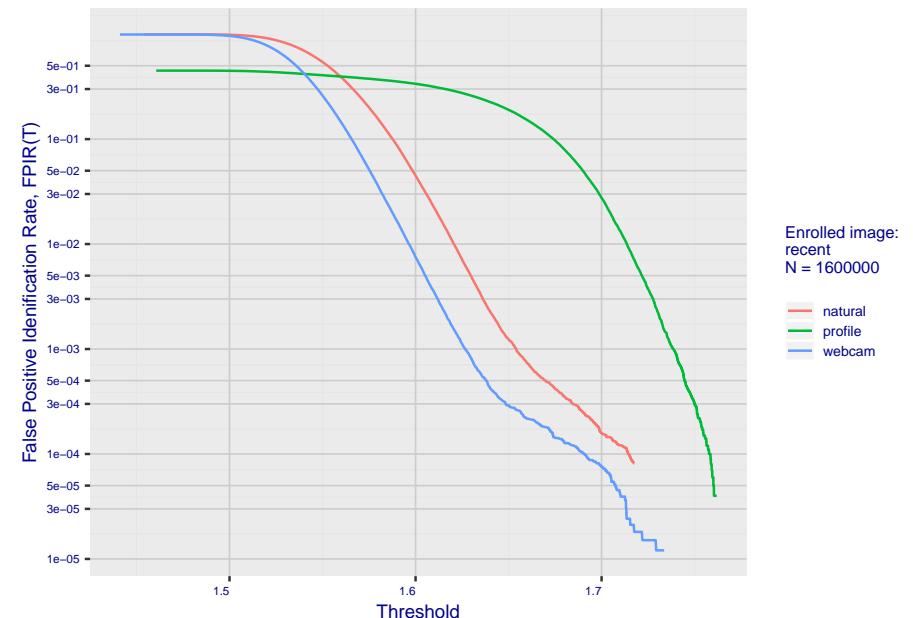
**Fig 5: Dependence on T by number enrolled identities**



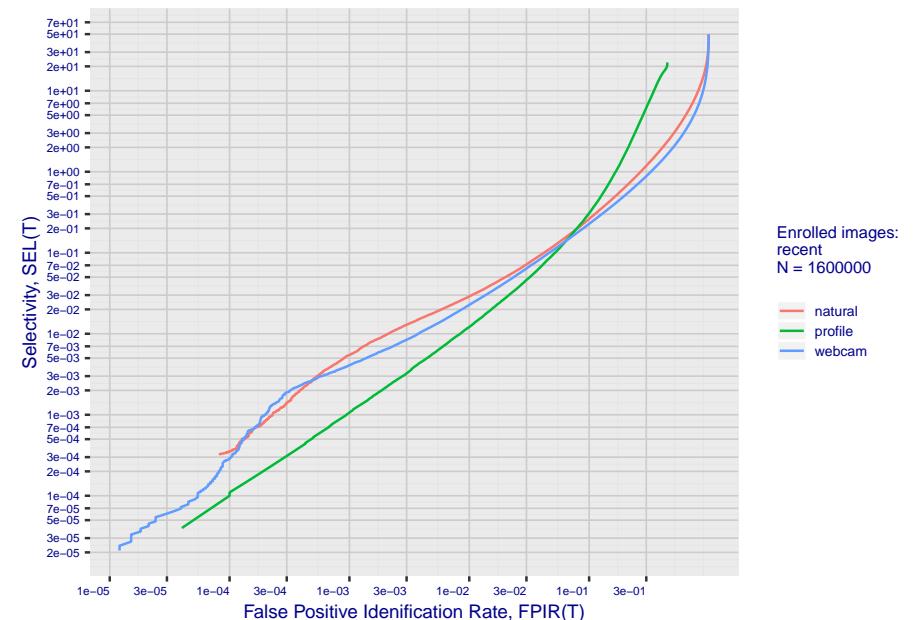
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

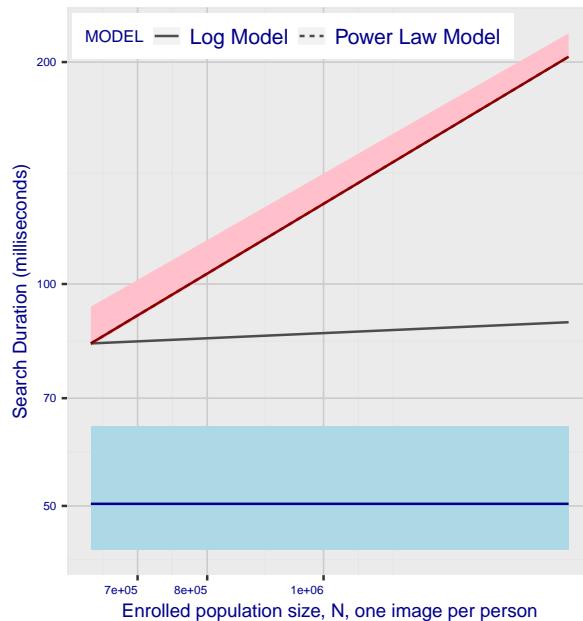


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm **imagus\_3** 2020-03-20 13:16:39

**Fig 10: Template duration; search duration vs. N**

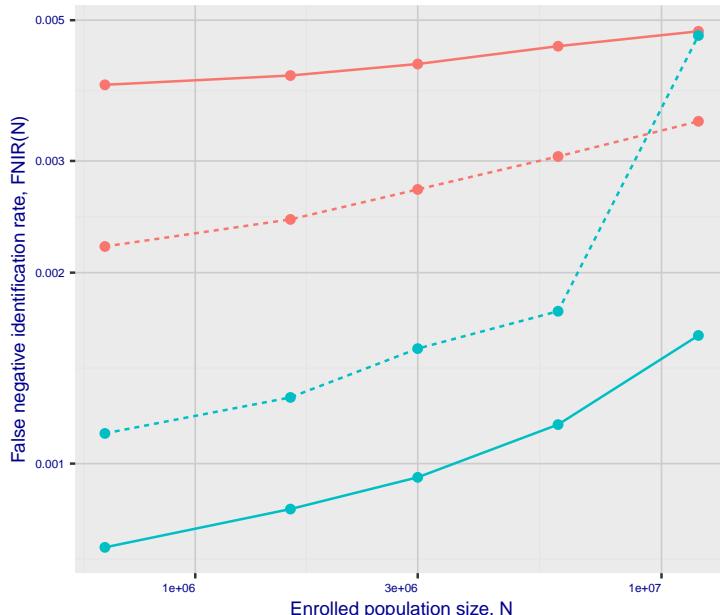


**Fig 11: Datasheet**

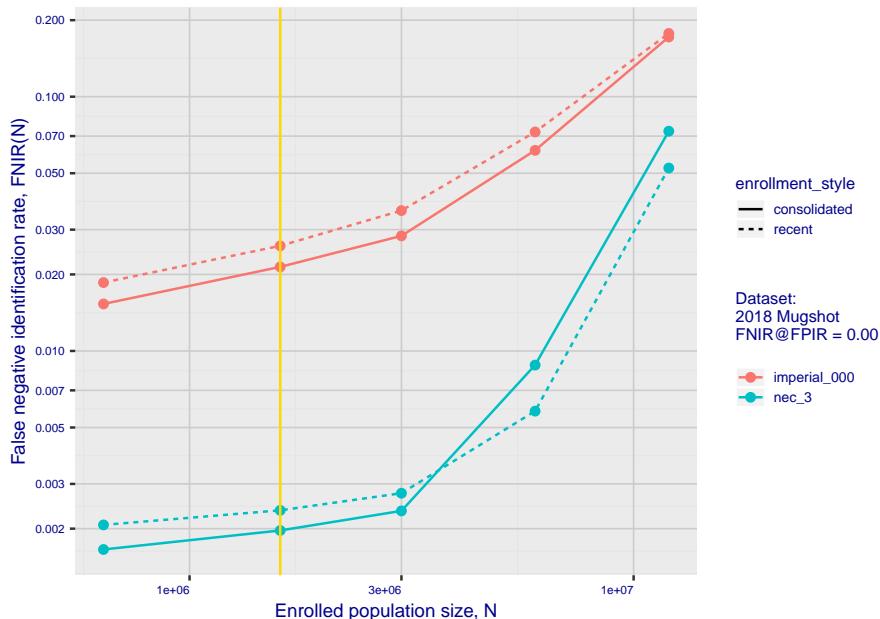
Algorithm: <b>imagus_3</b>
Developer: Imagus Technology Pty Ltd
Submission Date: 2018_06_21
Template size: 512 bytes
Template time (2.5 percentile): 44 msec
Template time (median): 50 msec
Template time (97.5 percentile): 64 msec
Investigation rank 224 -- FNIR(160000, 0, 1) = 0.3559 vs. lowest 0.0010 from sensetime_003
Identification rank 213 -- FNIR(160000, T, L+1) = 0.8069
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm imperial\_000 2020-03-20 13:20:15

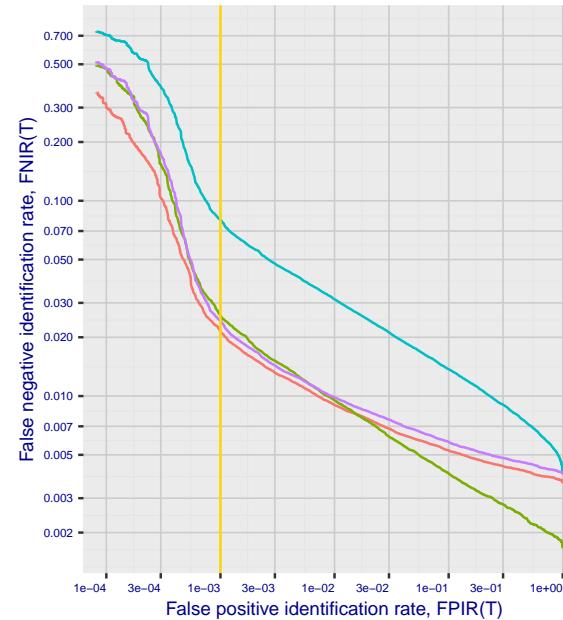
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



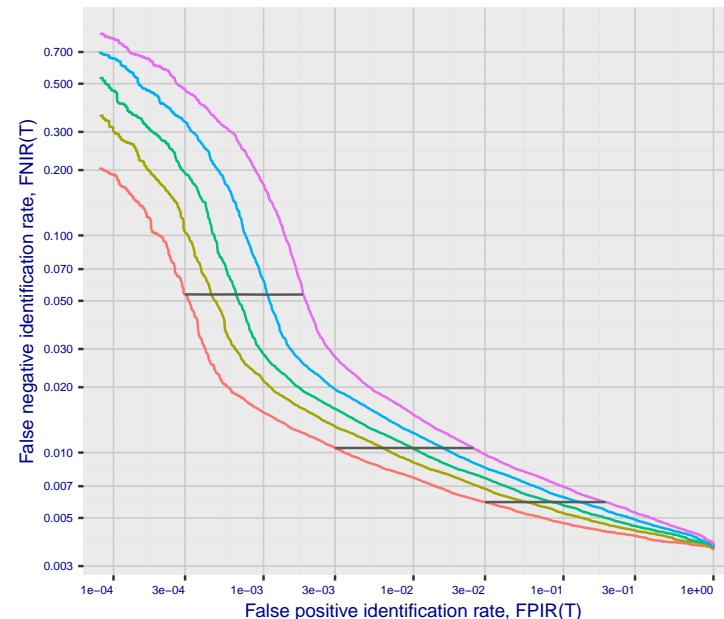
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

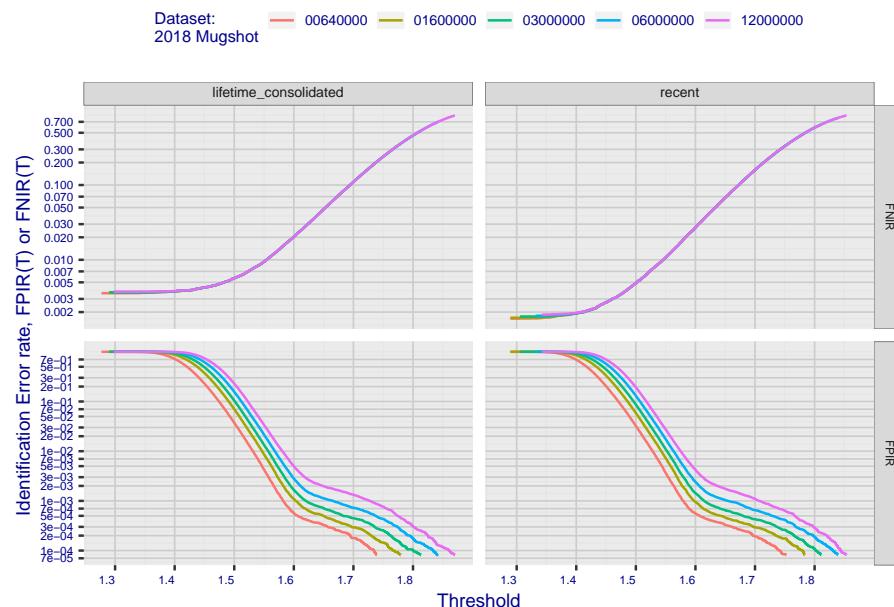


**Fig 4: DET for various N. Links connect points of equal threshold.**

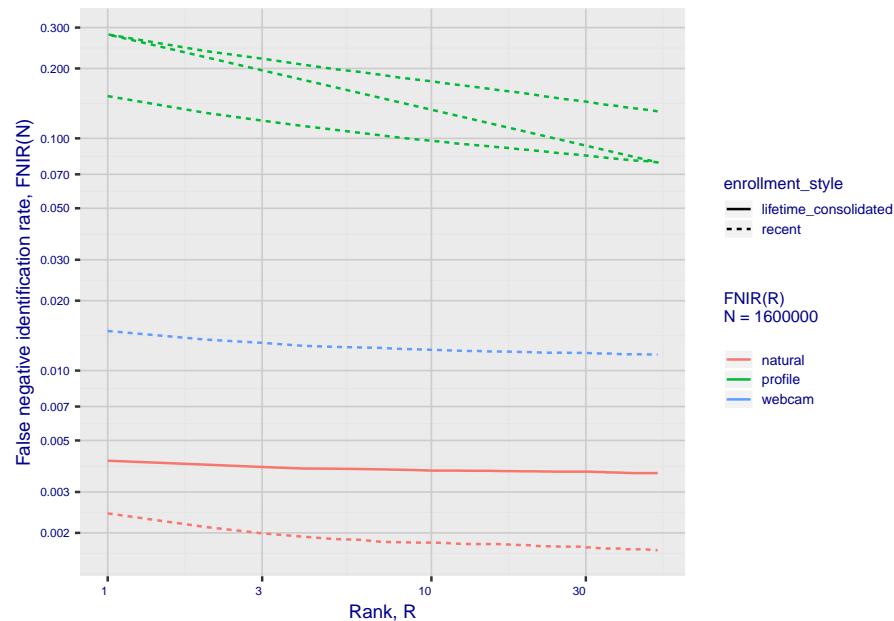


## 2. Report for algorithm imperial\_000 2020-03-20 13:20:15

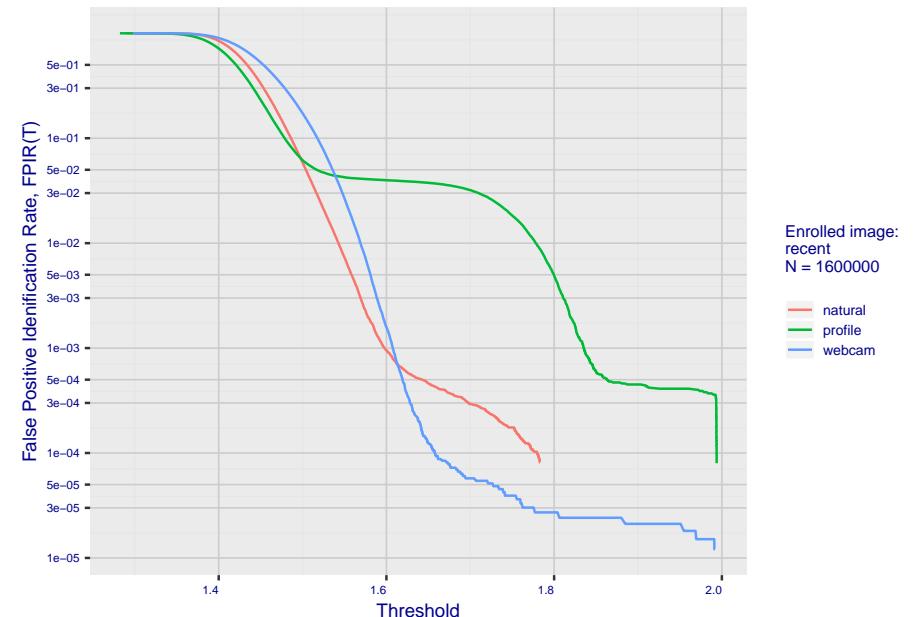
**Fig 5: Dependence on T by number enrolled identities**



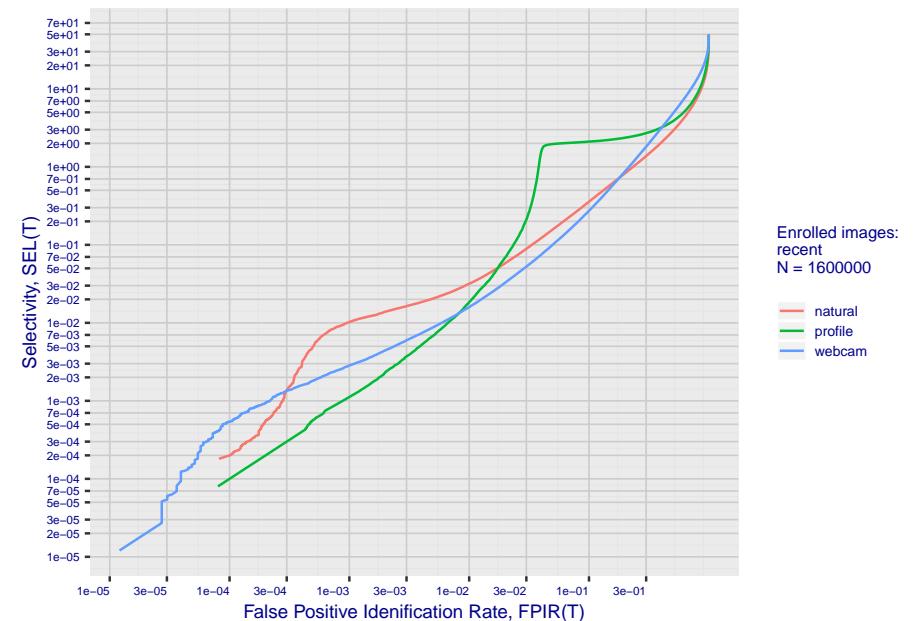
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

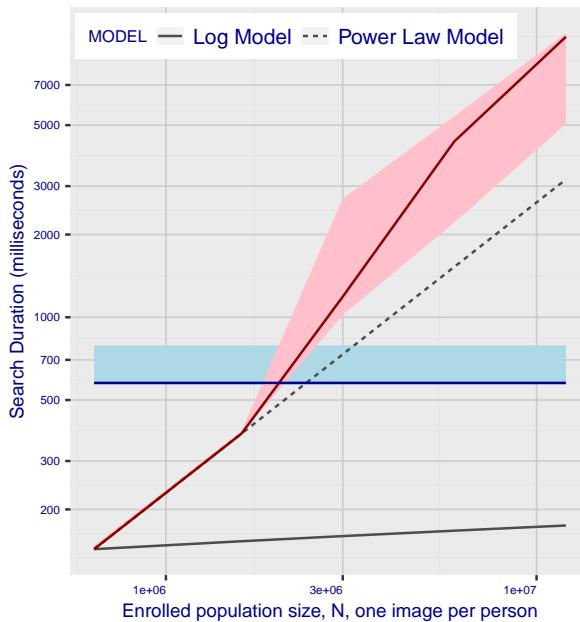


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm imperial\_000 2020-03-20 13:20:15

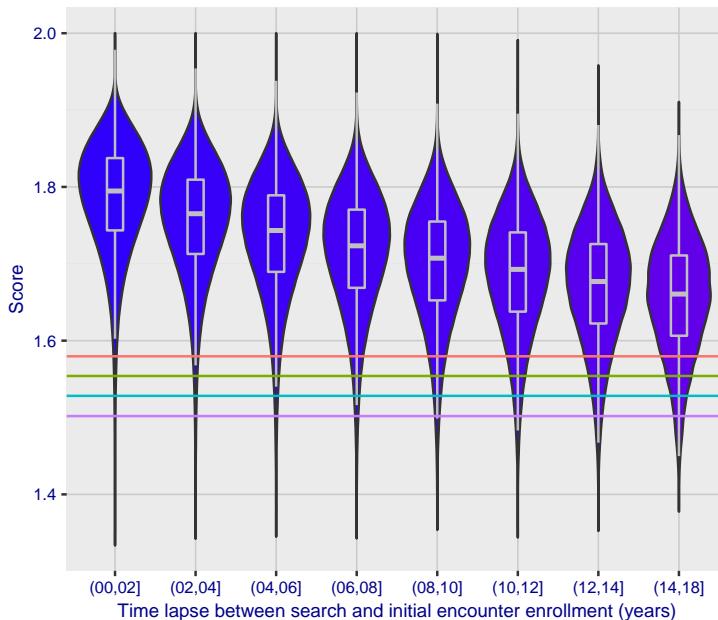
**Fig 10: Template duration; search duration vs. N**



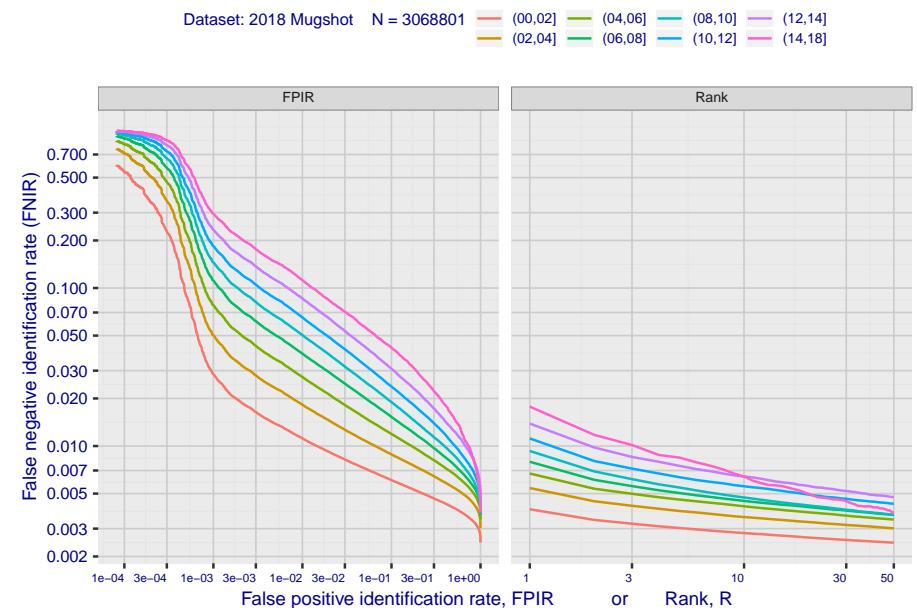
**Fig 11: Datasheet**

Algorithm: imperial_000
Developer: Imperial College London
Submission Date: 2019_08_28
Template size: 2048 bytes
Template time (2.5 percentile): 568 msec
Template time (median): 577 msec
Template time (97.5 percentile): 790 msec
Investigation rank 24 --- FNIR(1600000, 0, 1) = 0.0024 vs. lowest 0.0010 from sensetime_003
Identification rank 26 --- FNIR(1600000, T, L+1) = 0.0259
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

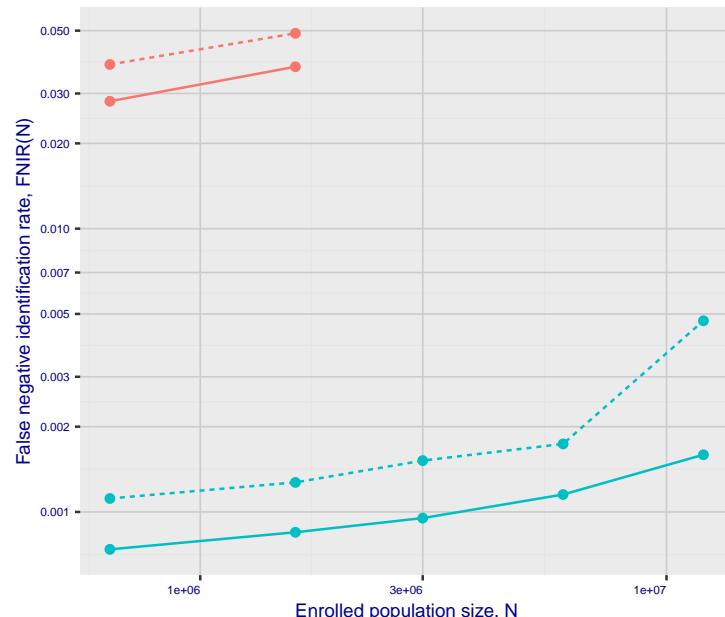


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

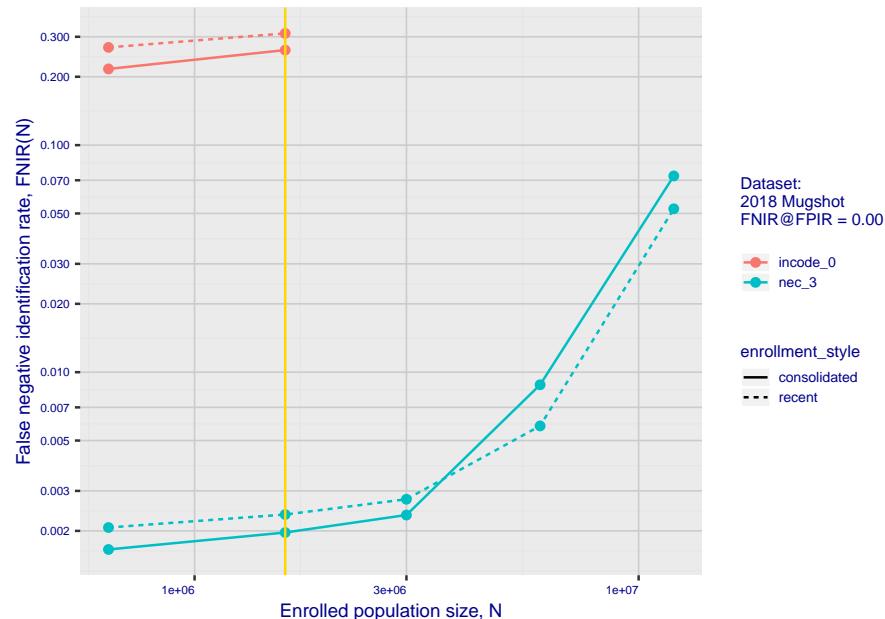


# 1. Report for algorithm incode\_0 2020-03-20 13:12:54

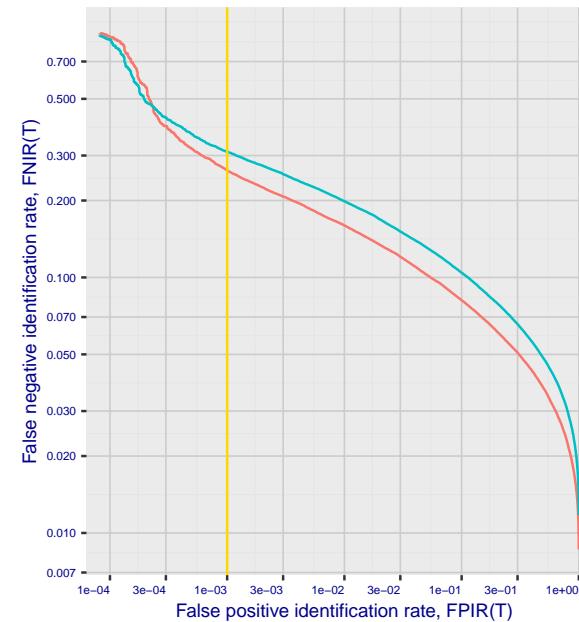
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



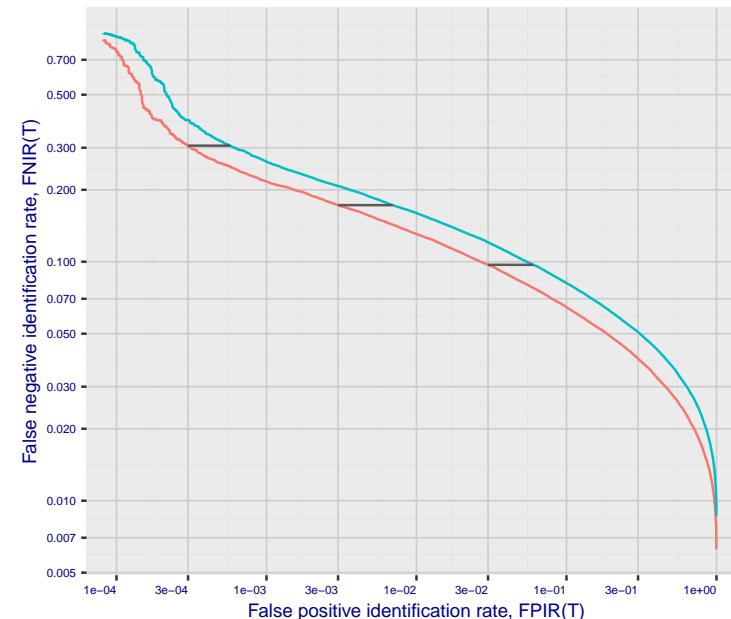
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

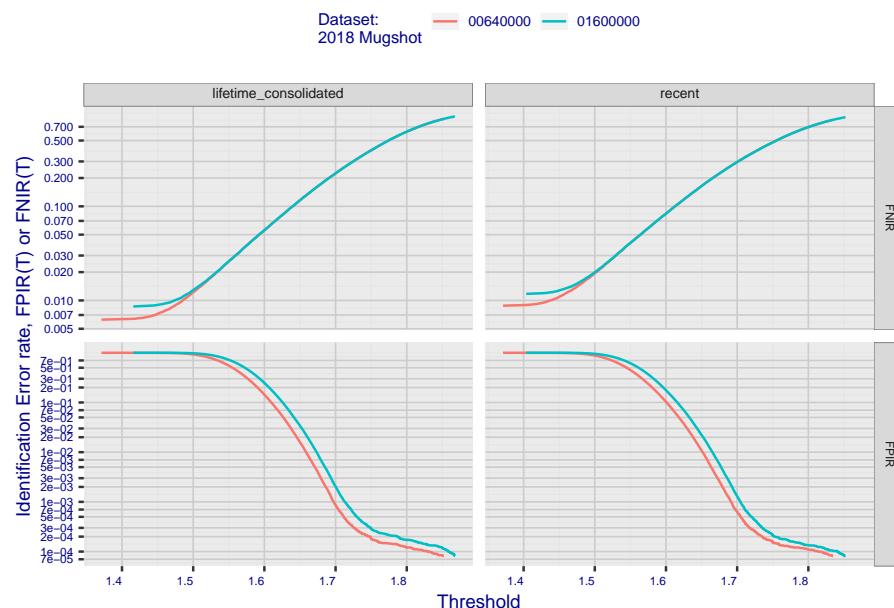


**Fig 4: DET for various N. Links connect points of equal threshold.**

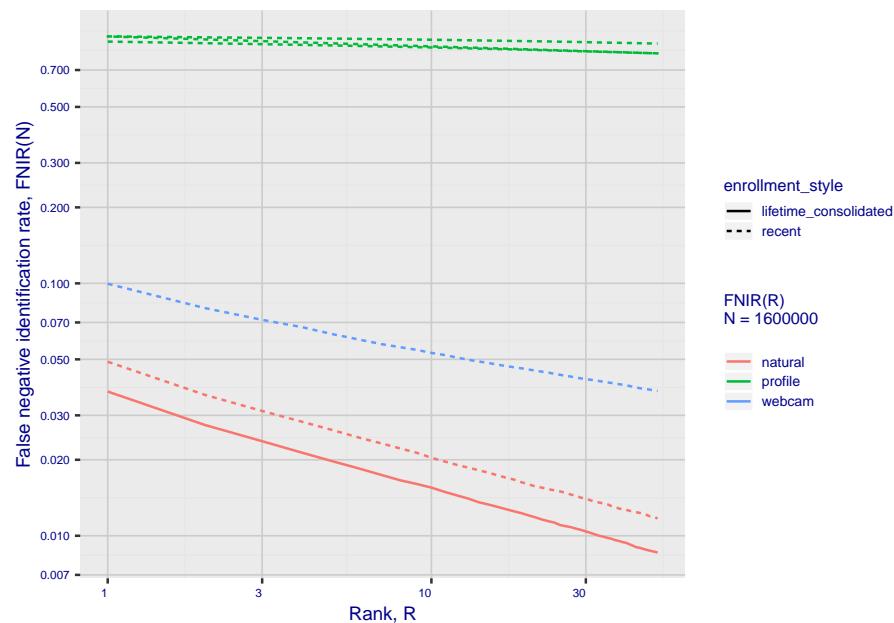


## 2. Report for algorithm incode\_0 2020-03-20 13:12:54

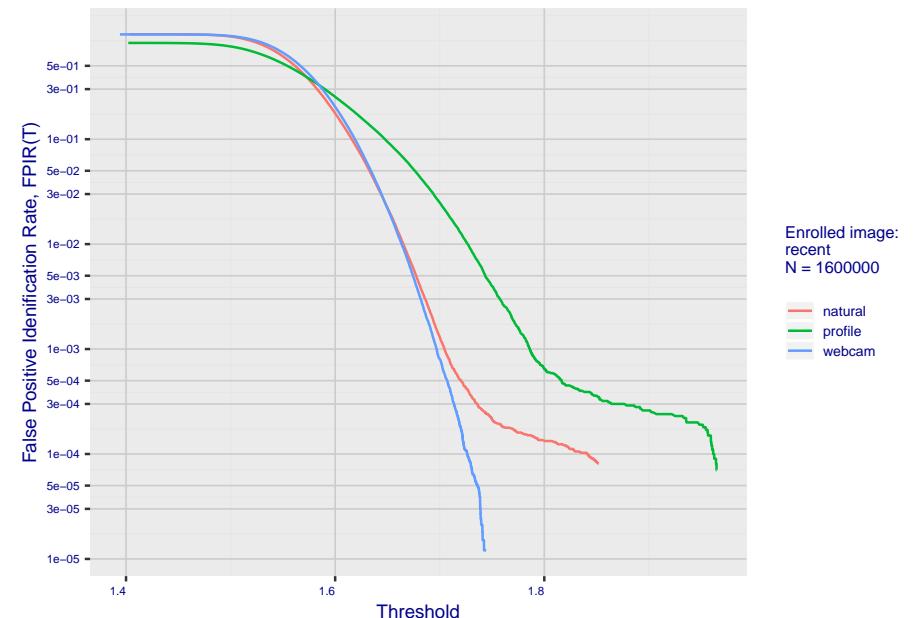
**Fig 5: Dependence on T by number enrolled identities**



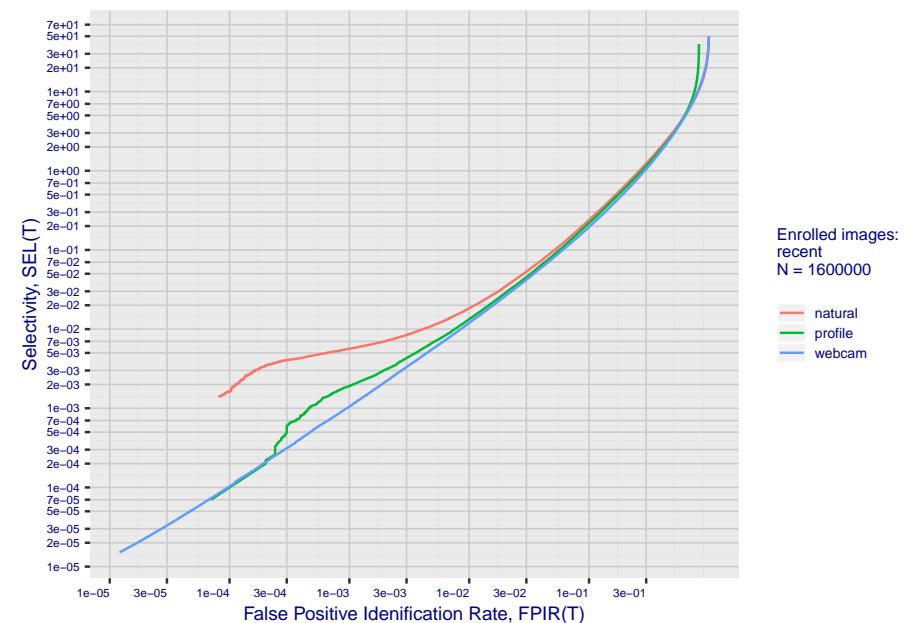
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm incode\_0 2020-03-20 13:12:54

Fig 10: Template duration; search duration vs. N

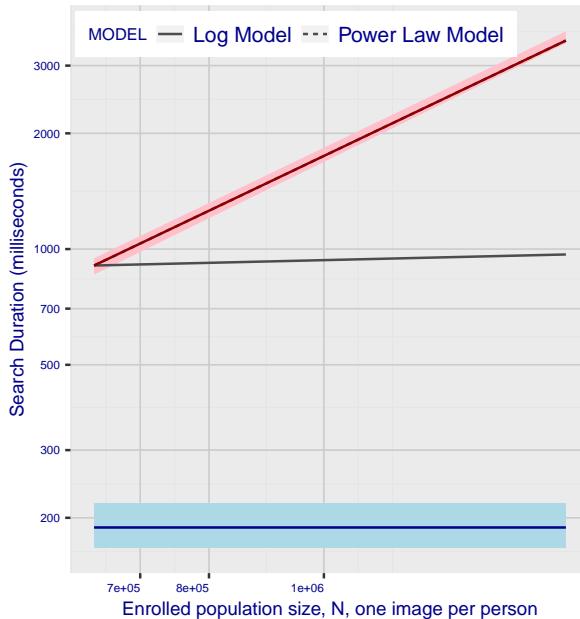
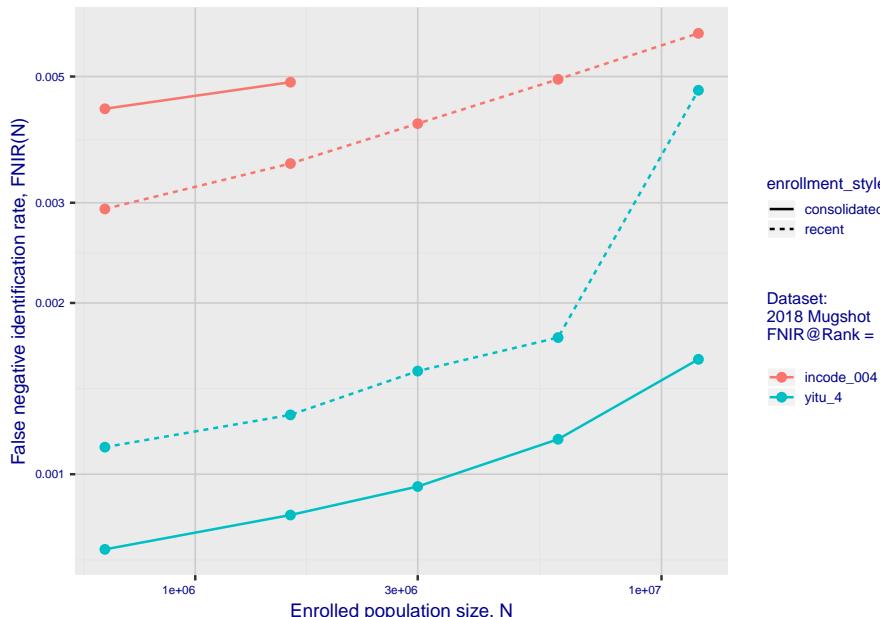


Fig 11: Datasheet

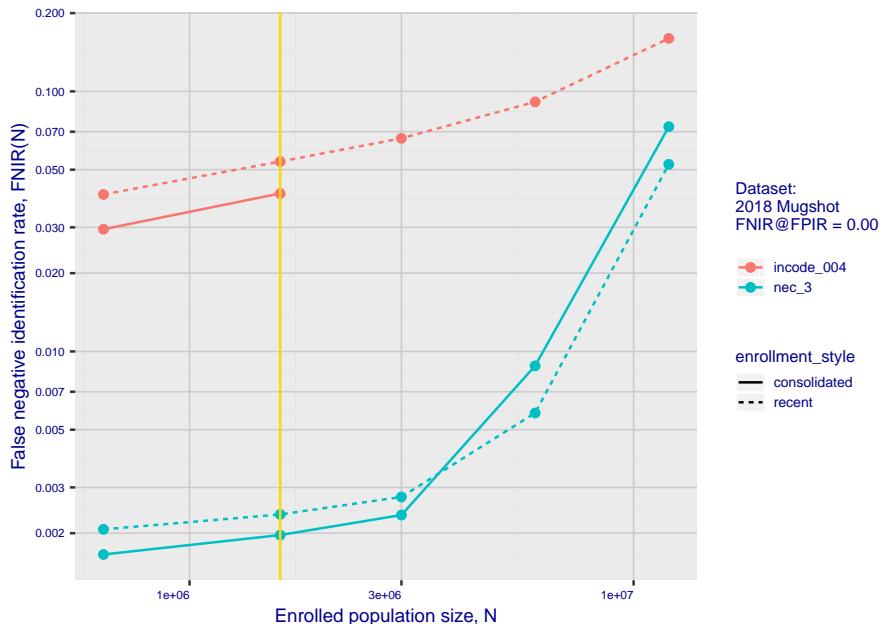
Algorithm:	incode_0
Developer:	Incode Technologies Inc
Submission Date:	2018_06_29
Template size:	1024 bytes
Template time (2.5 percentile):	168 msec
Template time (median):	189 msec
Template time (97.5 percentile):	219 msec
Investigation rank 174 -- FNIR(1600000, 0, 1) = 0.0489 vs. lowest 0.0010 from sensetime_003	
Identification rank 168 -- FNIR(1600000, T, L+1) = 0.3104	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

## 1. Report for algorithm incode\_004 2020-03-20 13:14:53

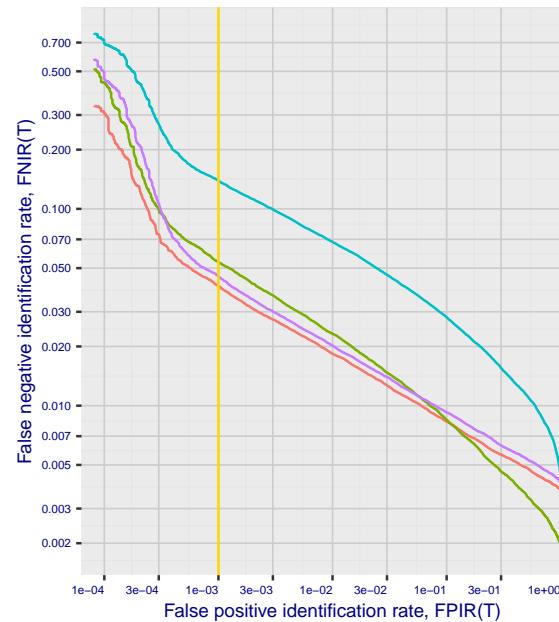
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



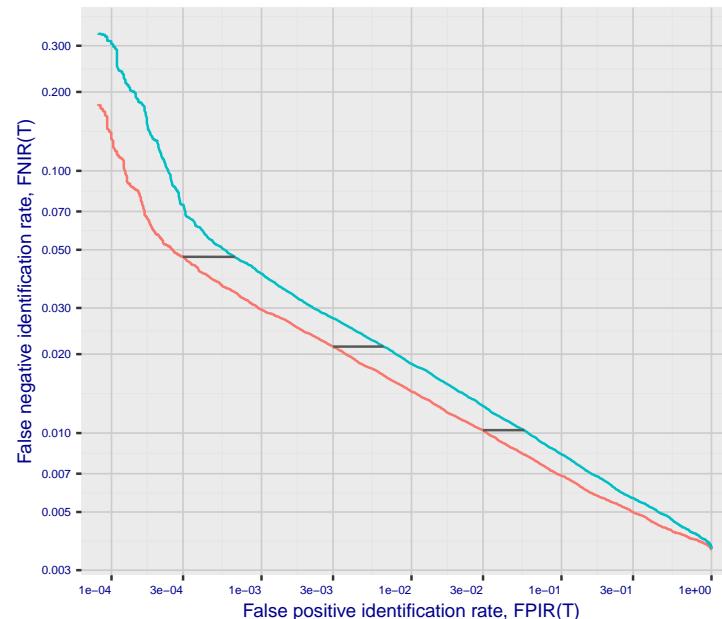
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**



Dataset:

2018 Mugshot

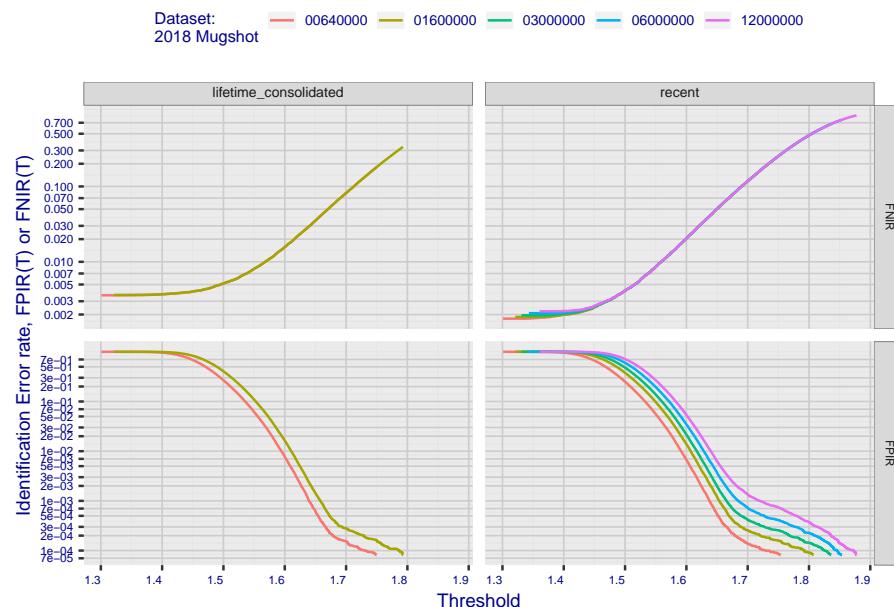
FNIR@FPIR = 0.001

N=1600000

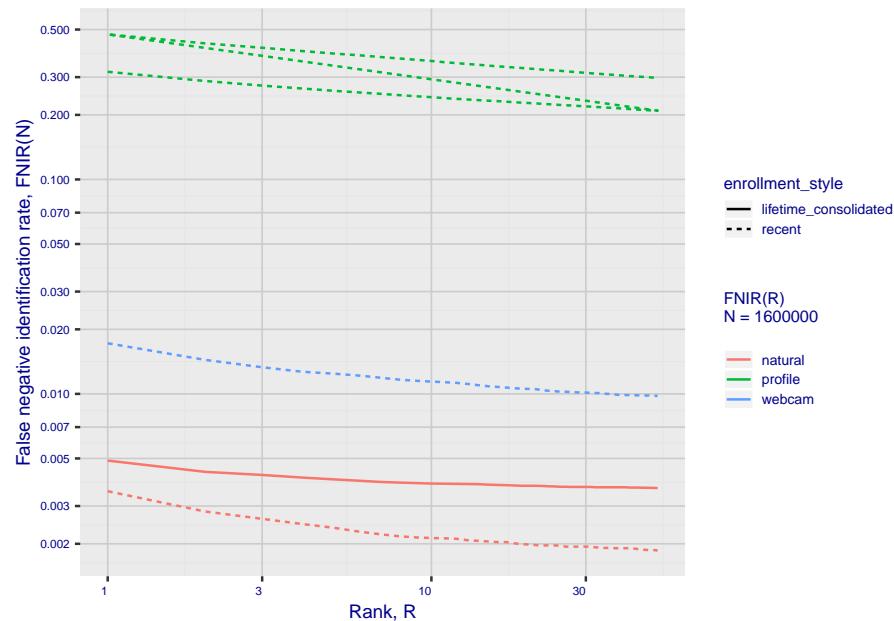
0.0405 consolidated-ONLY-MATE  
0.0537 recent-ONLY-MATE  
0.1393 unconsolidated-ALL-MATES  
0.0456 unconsolidated-ANY-MATE

## 2. Report for algorithm incode\_004 2020-03-20 13:14:53

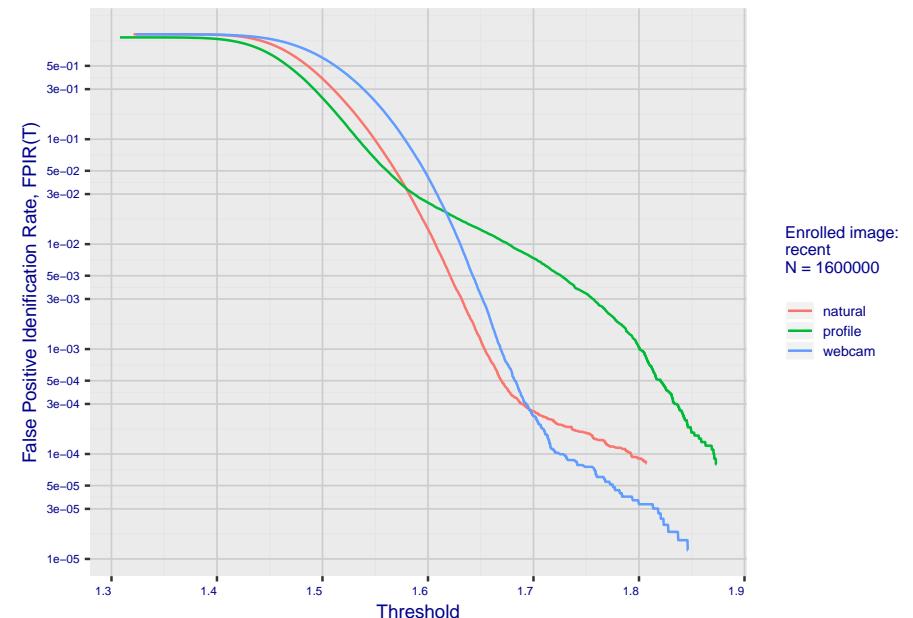
**Fig 5: Dependence on T by number enrolled identities**



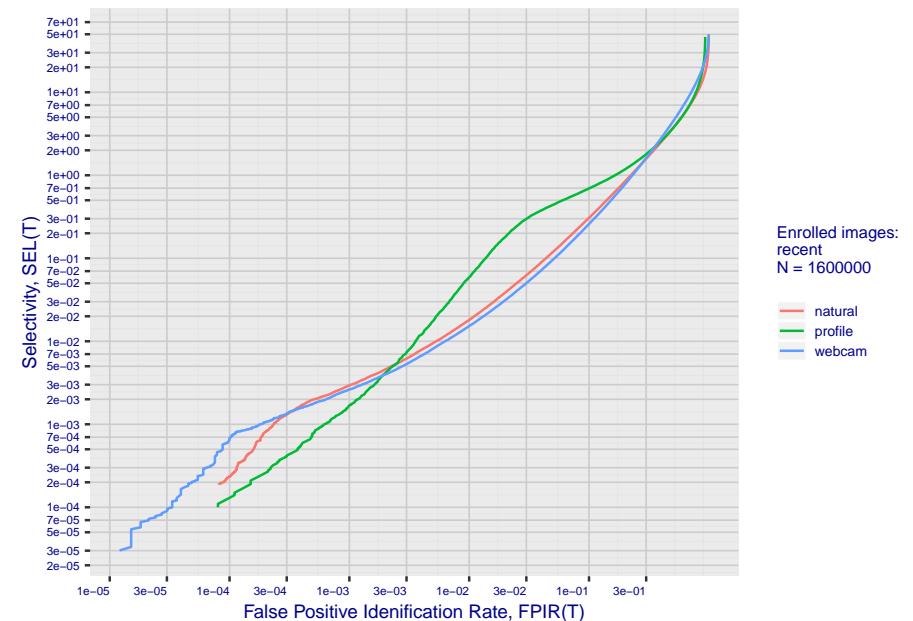
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

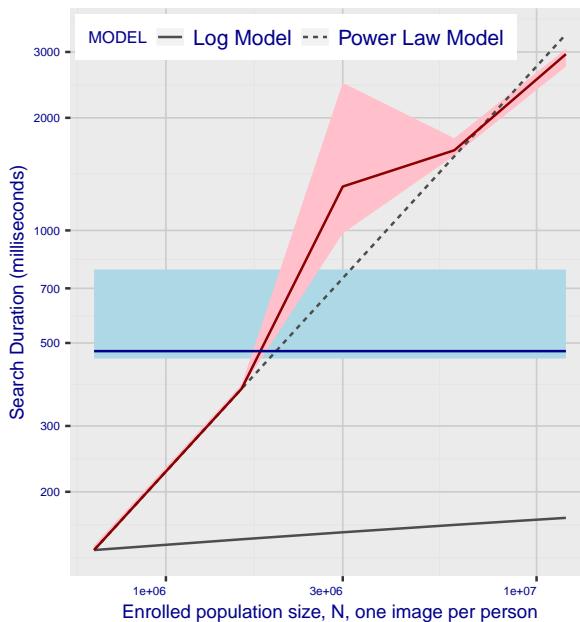


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm incode\_004 2020-03-20 13:14:53

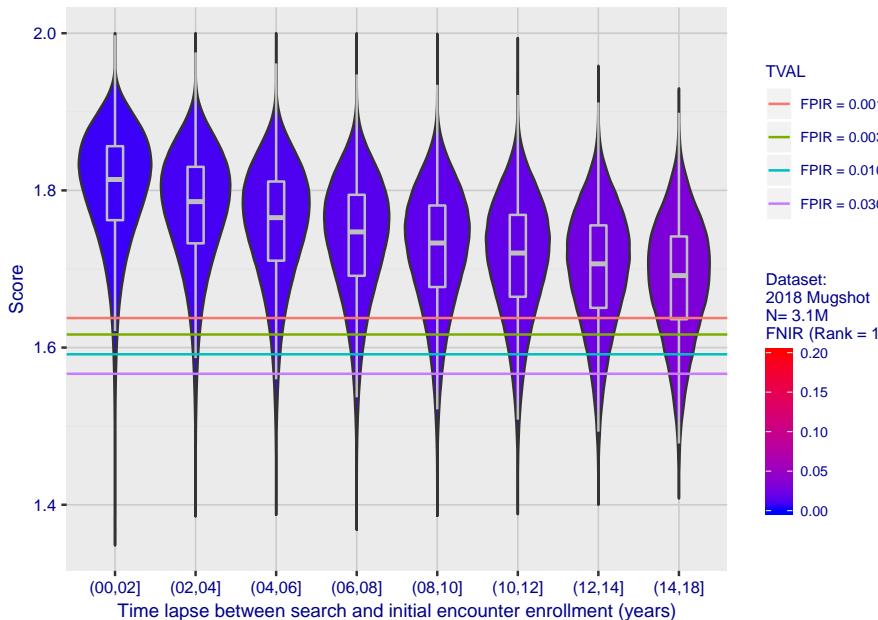
**Fig 10: Template duration; search duration vs. N**



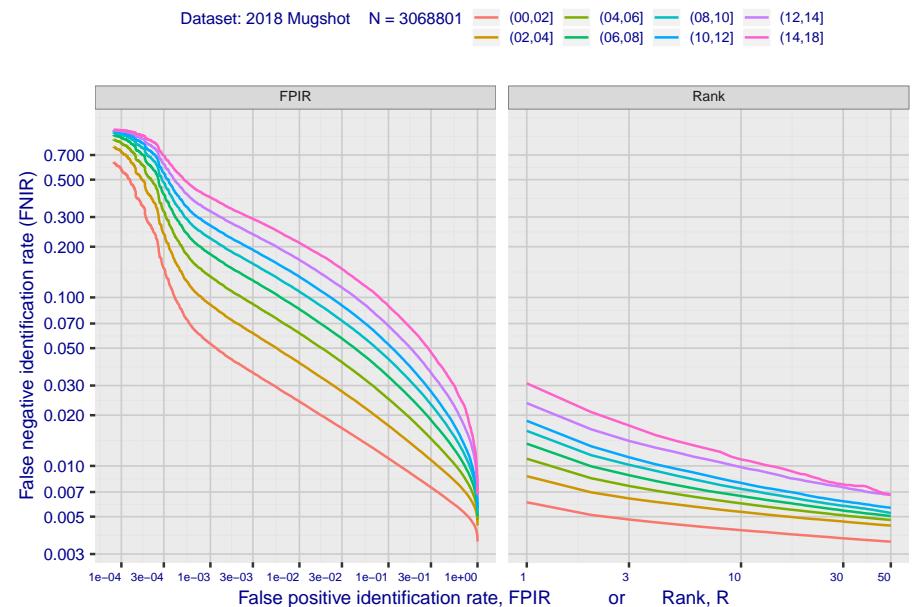
**Fig 11: Datasheet**

Algorithm: incode_004
Developer: Incode Technologies Inc
Submission Date: 2019_06_24
Template size: 2048 bytes
Template time (2.5 percentile): 454 msec
Template time (median): 476 msec
Template time (97.5 percentile): 786 msec
Investigation rank 36 — FNIR(1600000, 0, 1) = 0.0035 vs. lowest 0.0010 from sensetime_003
Identification rank 68 — FNIR(1600000, T, L+1) = 0.0537
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

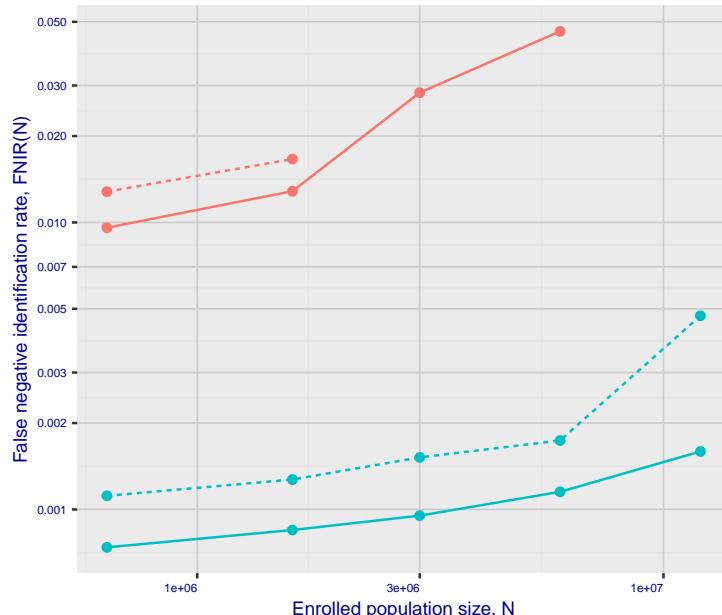


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

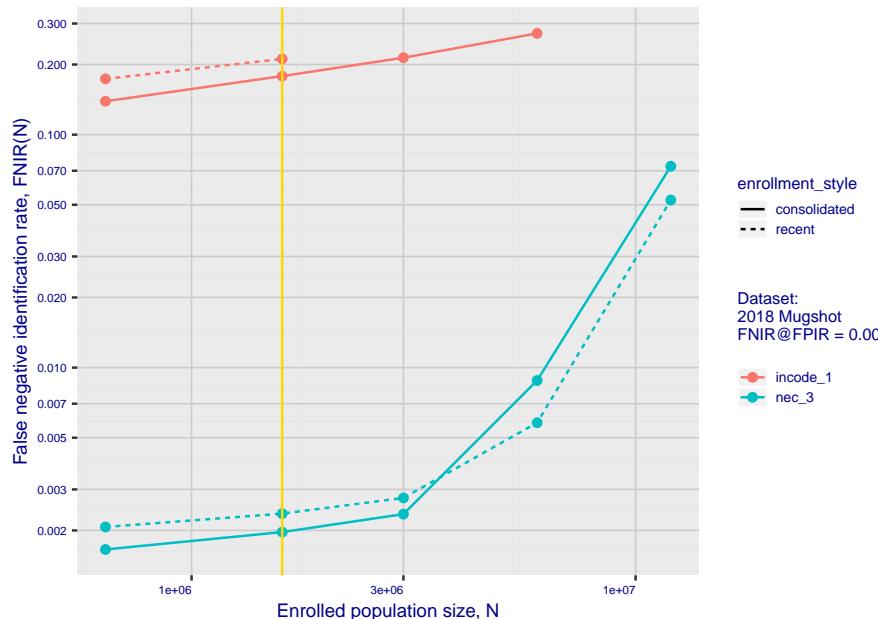


# 1. Report for algorithm incode\_1 2020-03-20 13:16:37

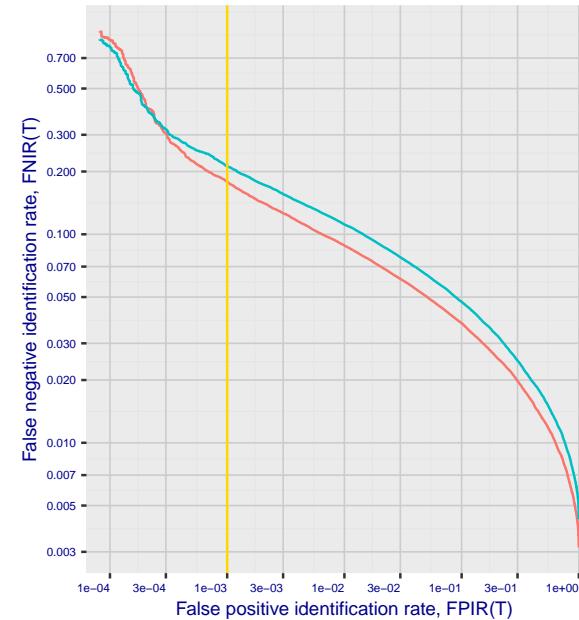
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



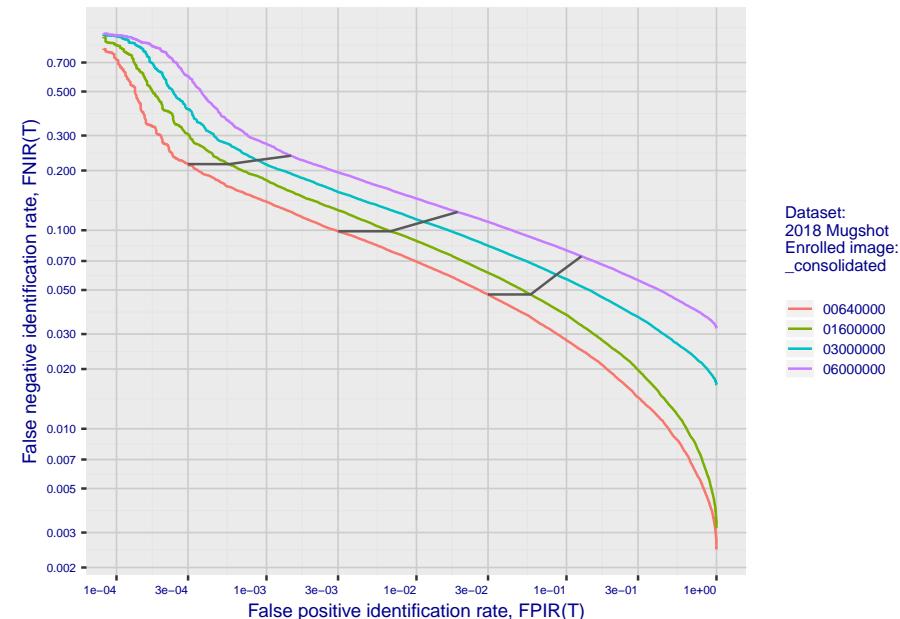
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

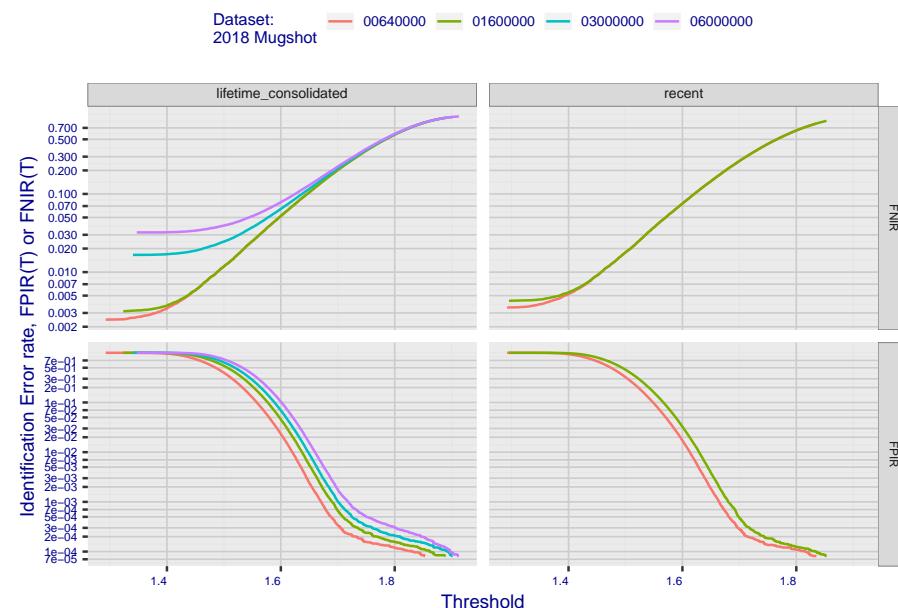


**Fig 4: DET for various N. Links connect points of equal threshold.**

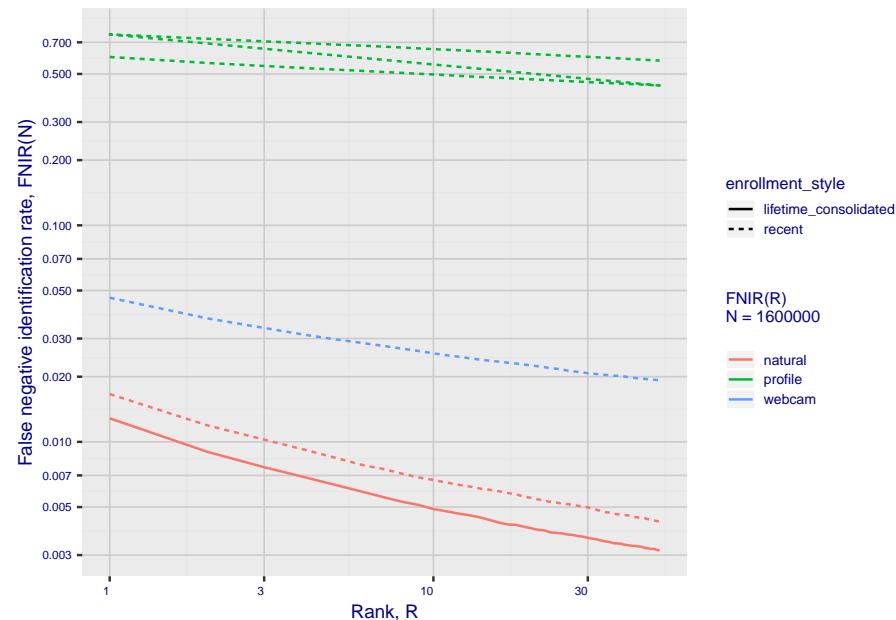


## 2. Report for algorithm incode\_1 2020-03-20 13:16:37

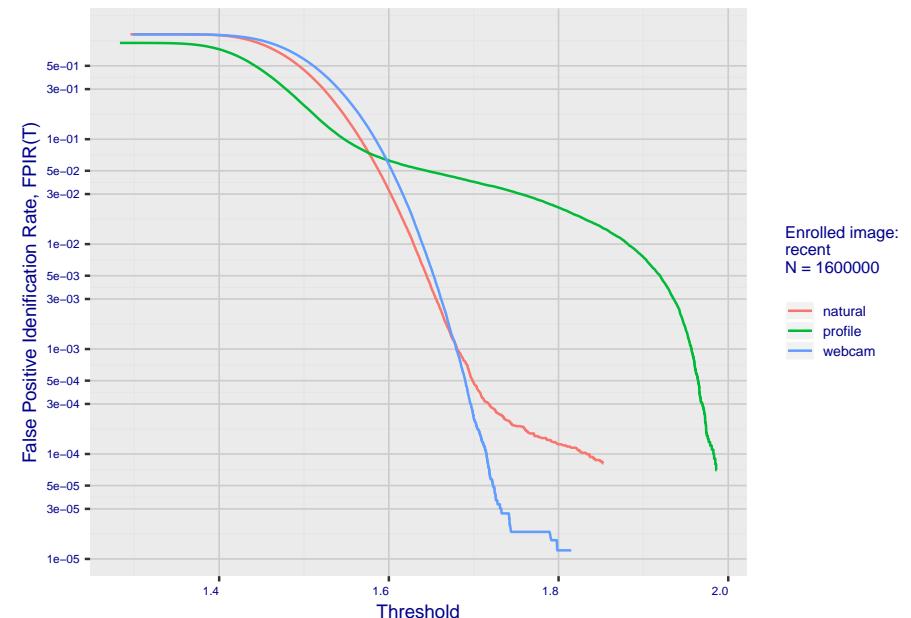
**Fig 5: Dependence on T by number enrolled identities**



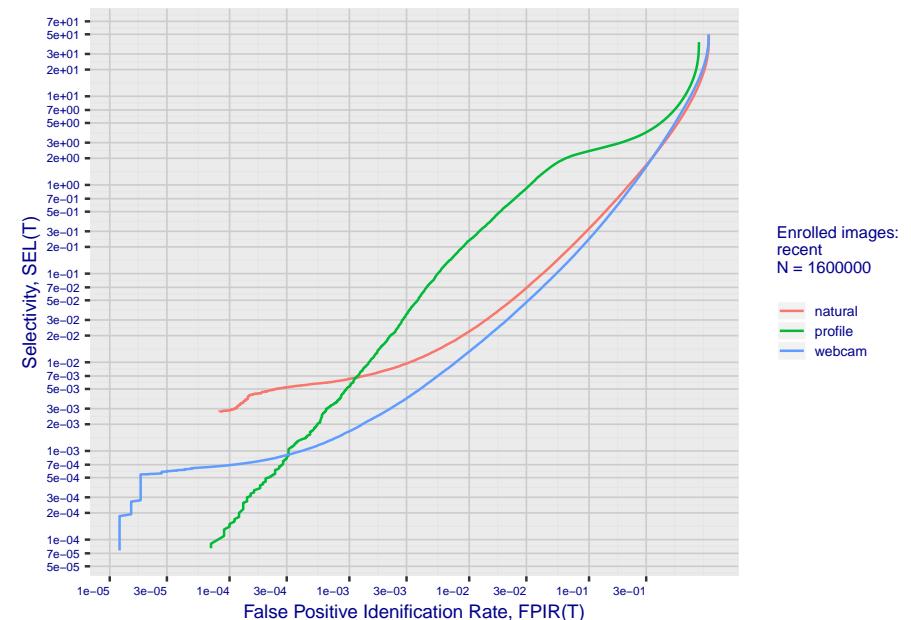
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm incode\_1 2020-03-20 13:16:37

Fig 10: Template duration; search duration vs. N

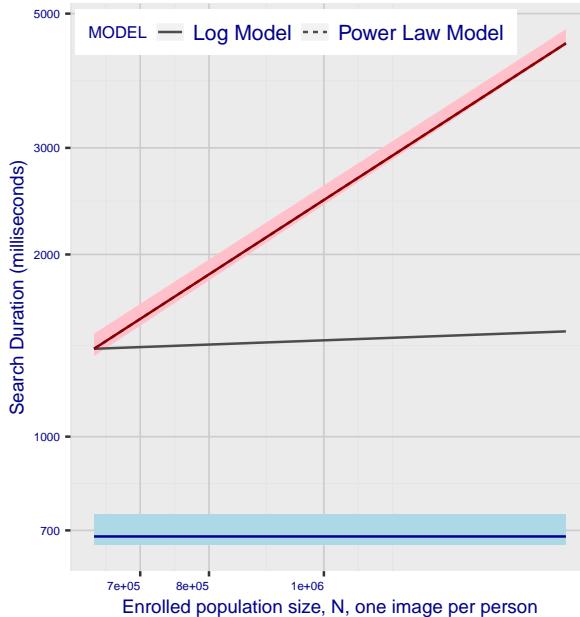
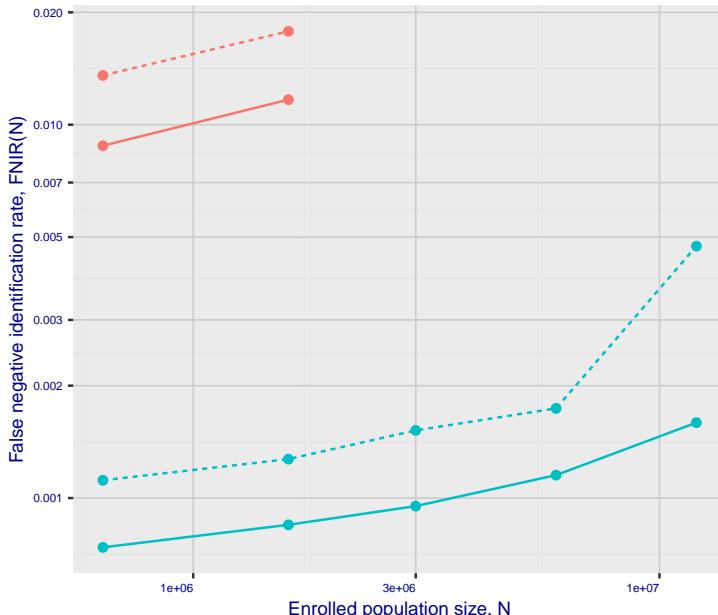


Fig 11: Datasheet

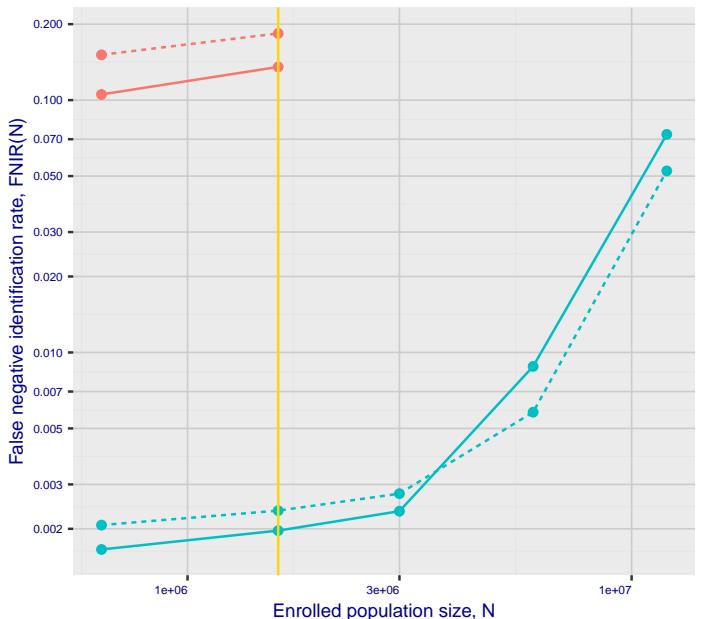
Algorithm:	incode_1
Developer:	Incode Technologies Inc
Submission Date:	2018_06_29
Template size:	2048 bytes
Template time (2.5 percentile):	661 msec
Template time (median):	684 msec
Template time (97.5 percentile):	744 msec
Investigation rank 126 -- FNIR(160000, 0, 1) = 0.0166 vs. lowest 0.0010 from sensetime_003	
Identification rank 148 -- FNIR(160000, T, L+1) = 0.2115	
PPIR	= 0.001 vs. lowest 0.0018 from sensetime_003

## 1. Report for algorithm incode\_2 2020-03-20 13:16:25

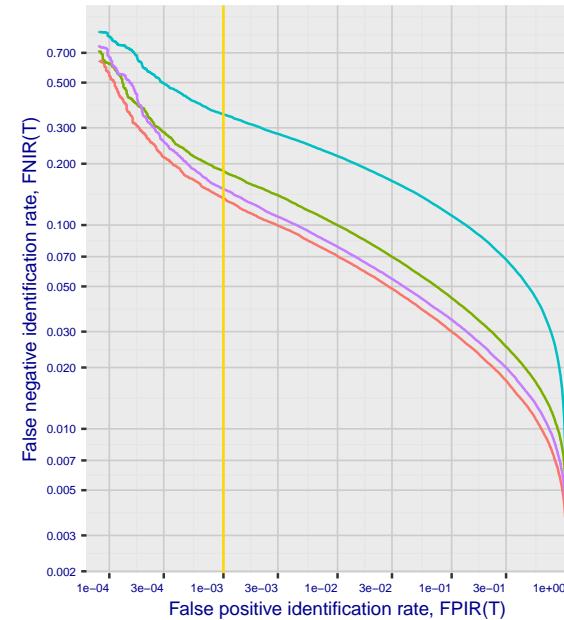
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



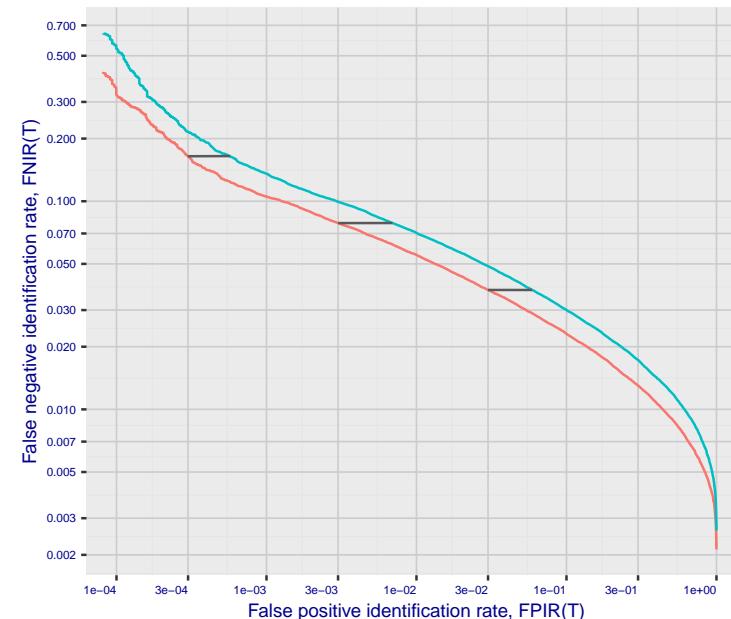
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

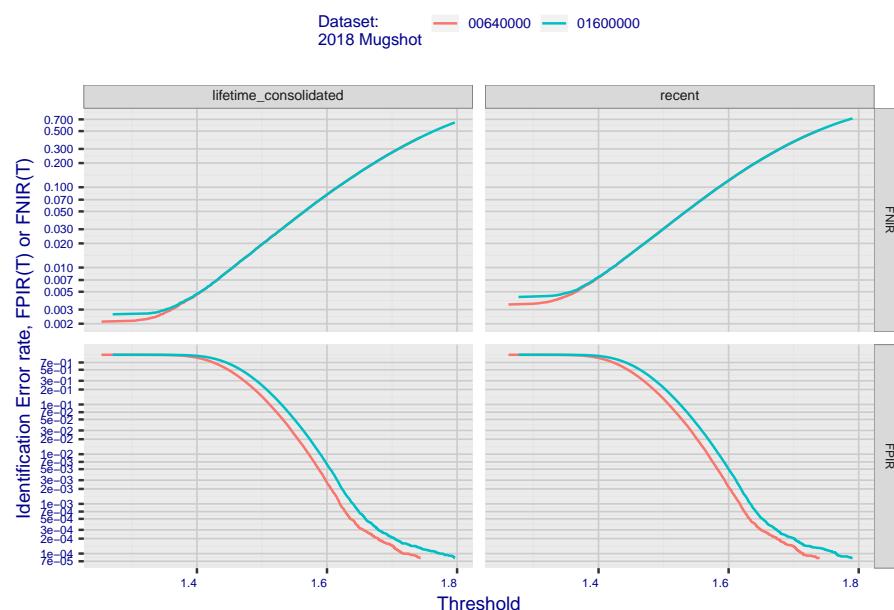


**Fig 4: DET for various N. Links connect points of equal threshold.**

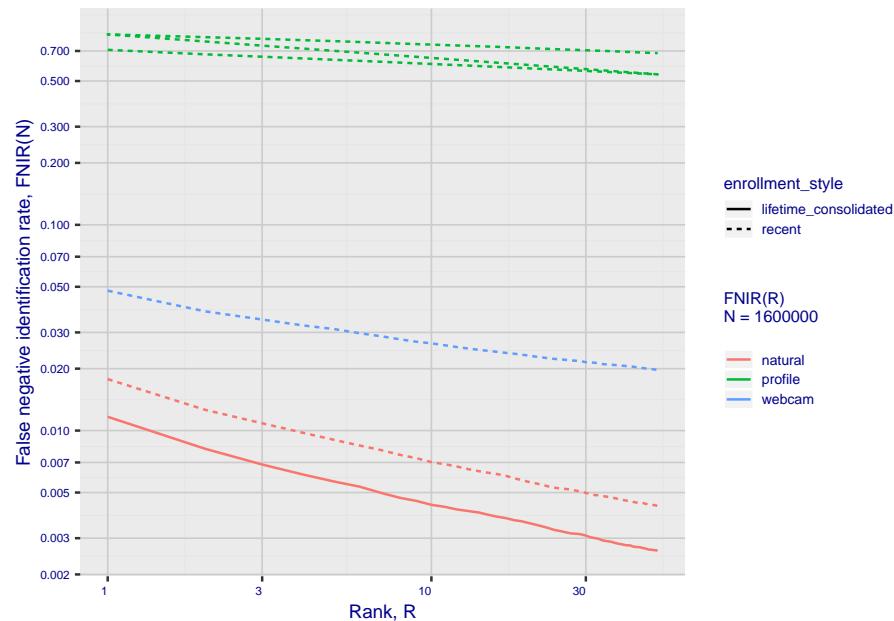


## 2. Report for algorithm incode\_2 2020-03-20 13:16:25

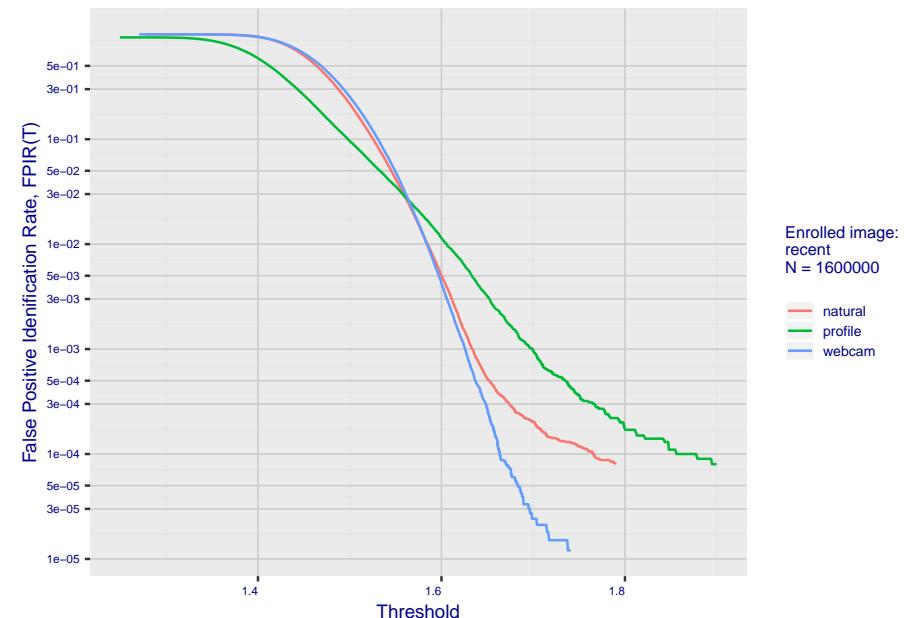
**Fig 5: Dependence on T by number enrolled identities**



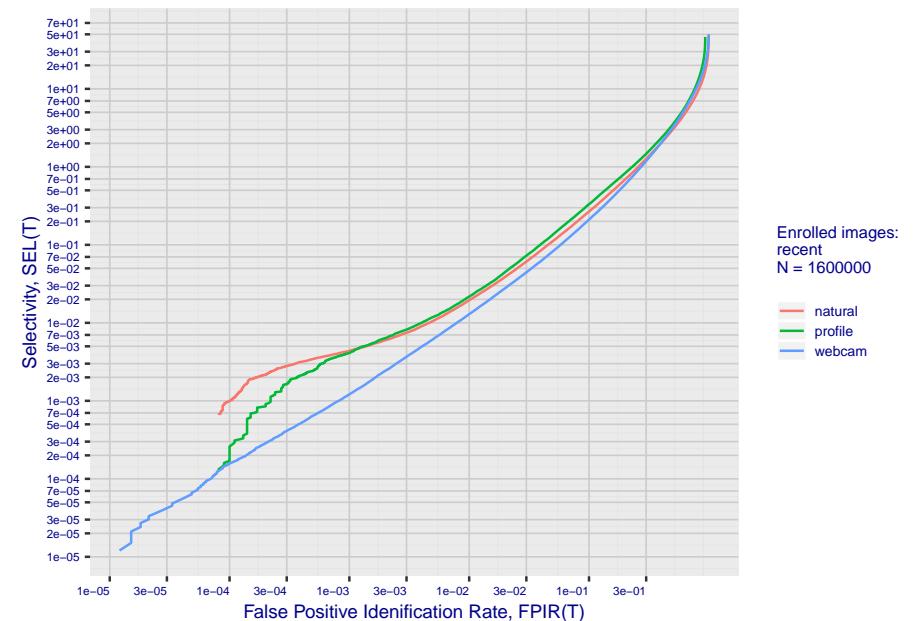
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm incode\_2 2020-03-20 13:16:25

Fig 10: Template duration; search duration vs. N

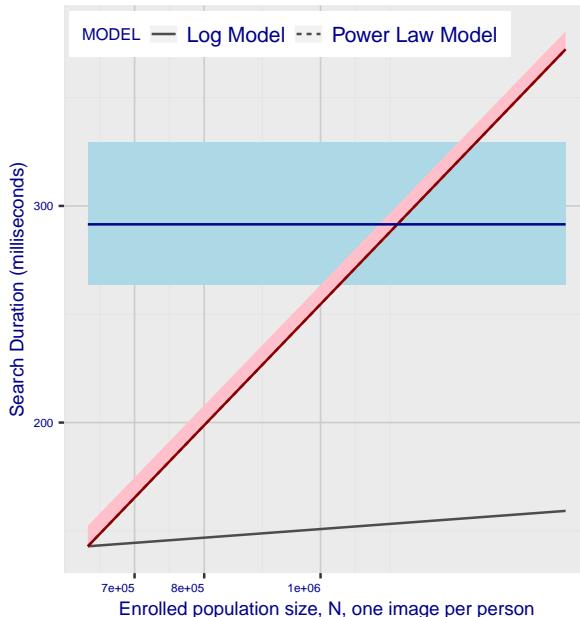
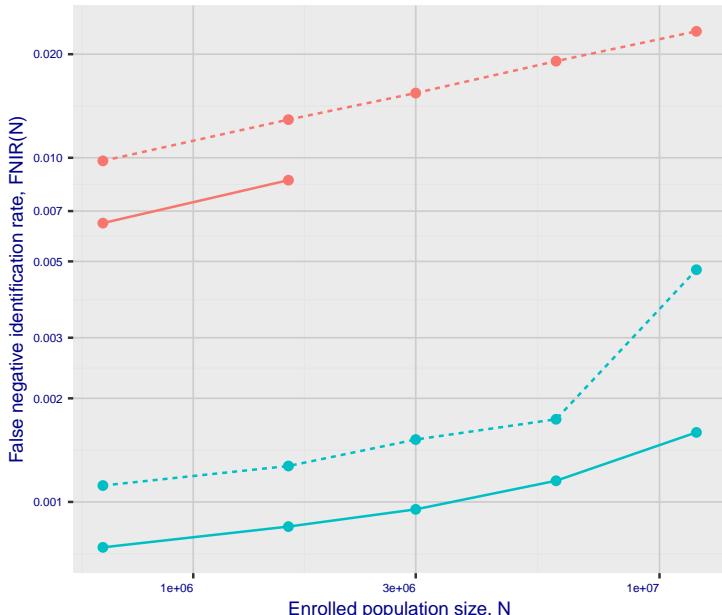


Fig 11: Datasheet

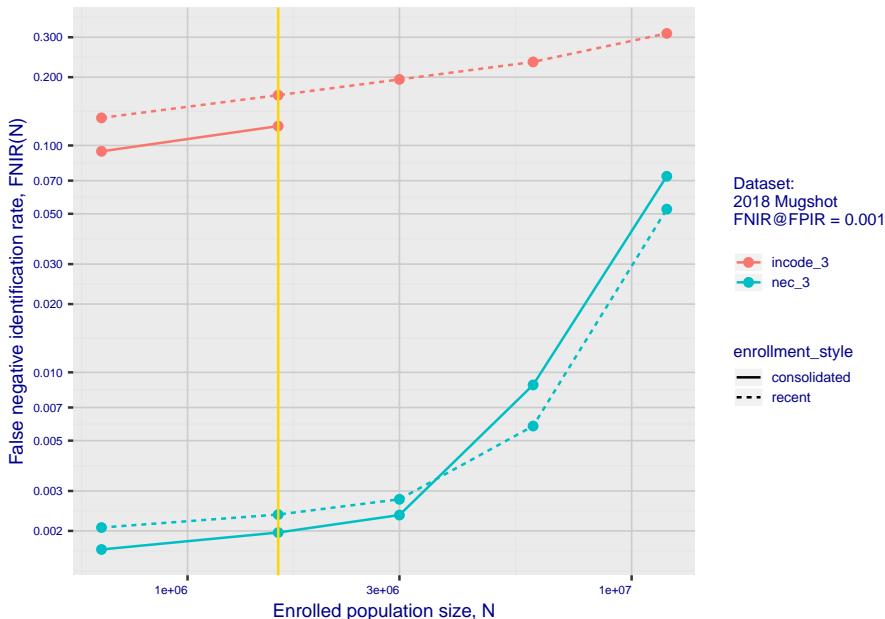
Algorithm:	incode_2
Developer:	Incode Technologies Inc
Submission Date:	2018_10_29
Template size:	2048 bytes
Template time (2.5 percentile):	259 msec
Template time (median):	290 msec
Template time (97.5 percentile):	338 msec
Investigation rank 130 -- FNIR(1600000, 0, 1) = 0.0178 vs. lowest 0.0010 from sensetime_003	
Identification rank 141 -- FNIR(1600000, T, L+1) = 0.1838	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

## 1. Report for algorithm incode\_3 2020-03-20 13:18:10

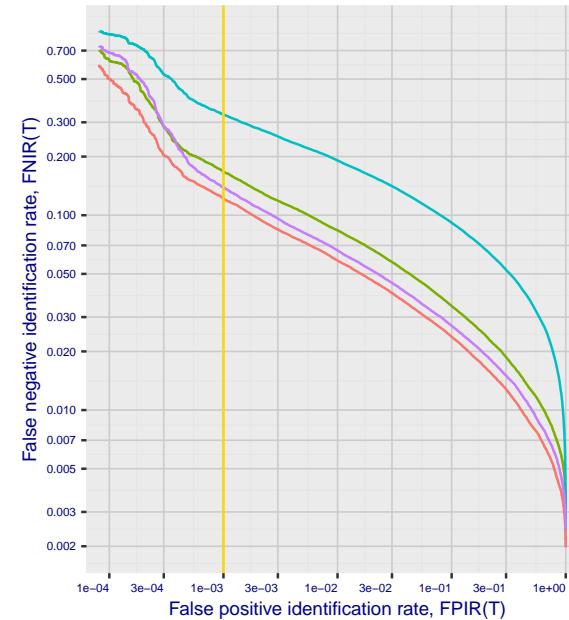
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



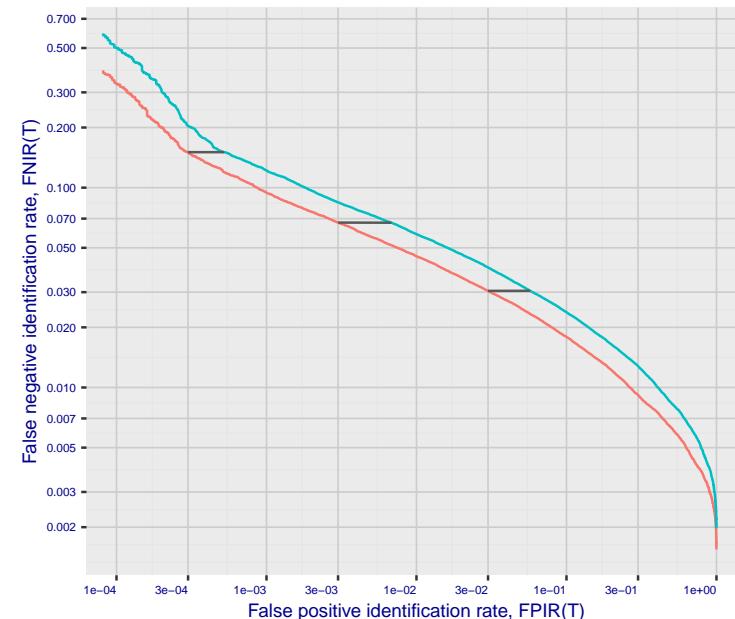
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

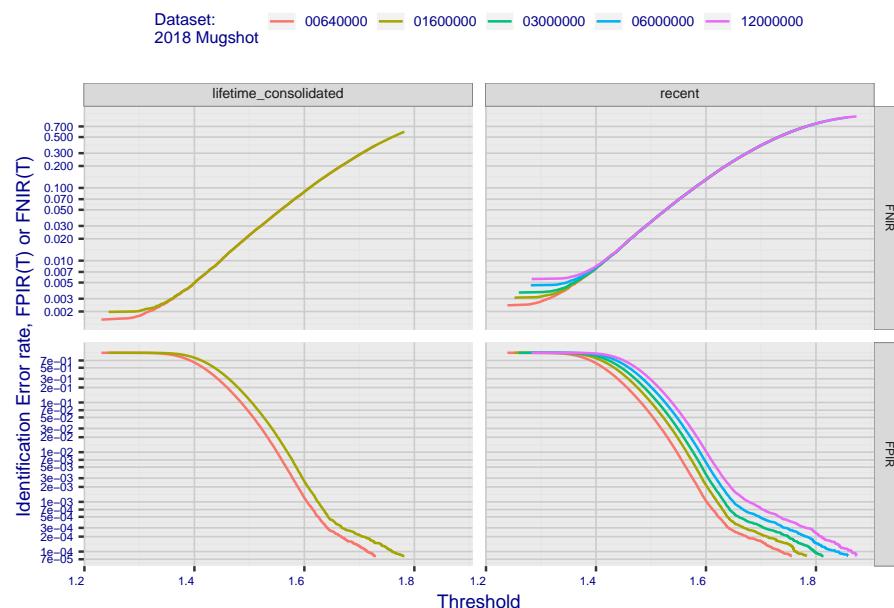


**Fig 4: DET for various N. Links connect points of equal threshold.**

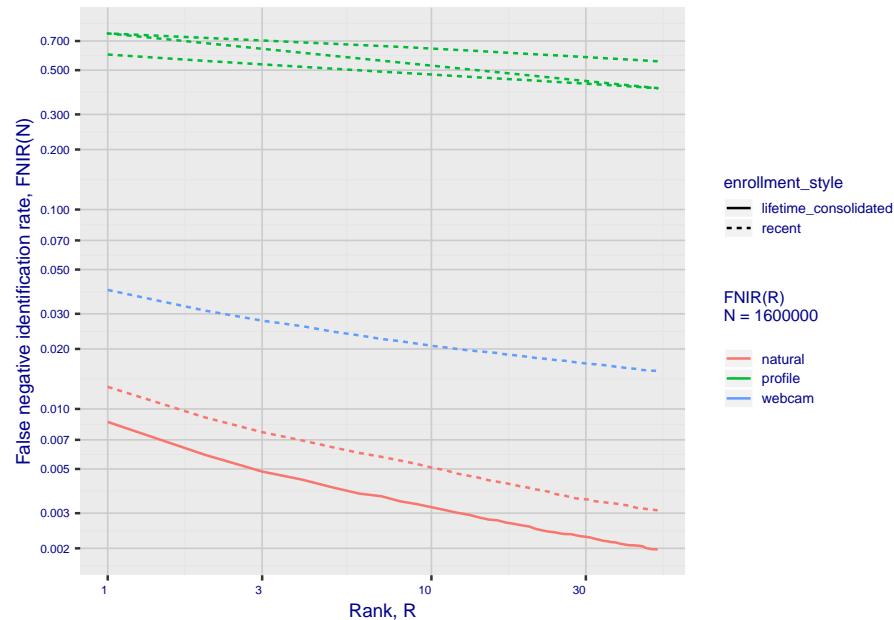


## 2. Report for algorithm incode\_3 2020-03-20 13:18:10

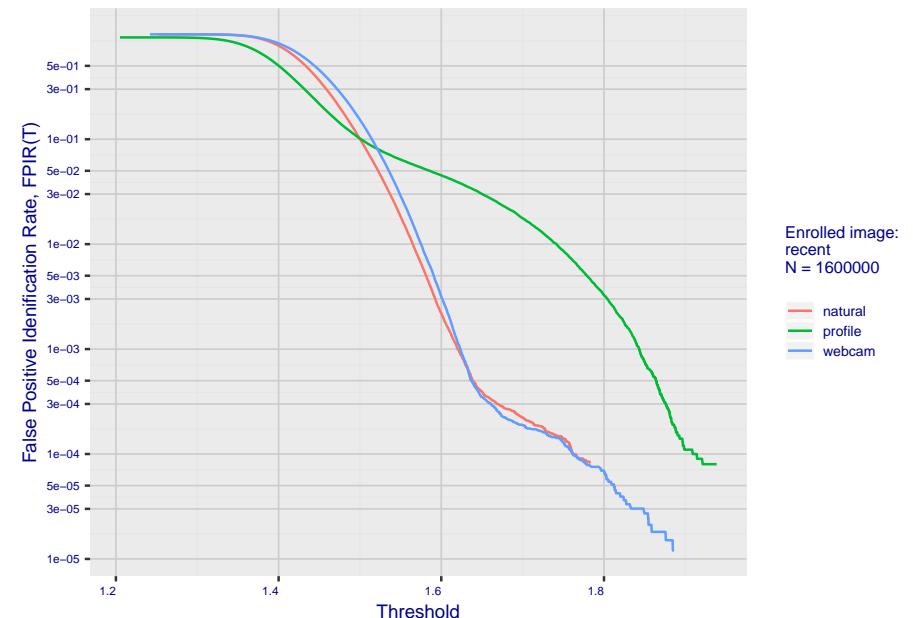
**Fig 5: Dependence on T by number enrolled identities**



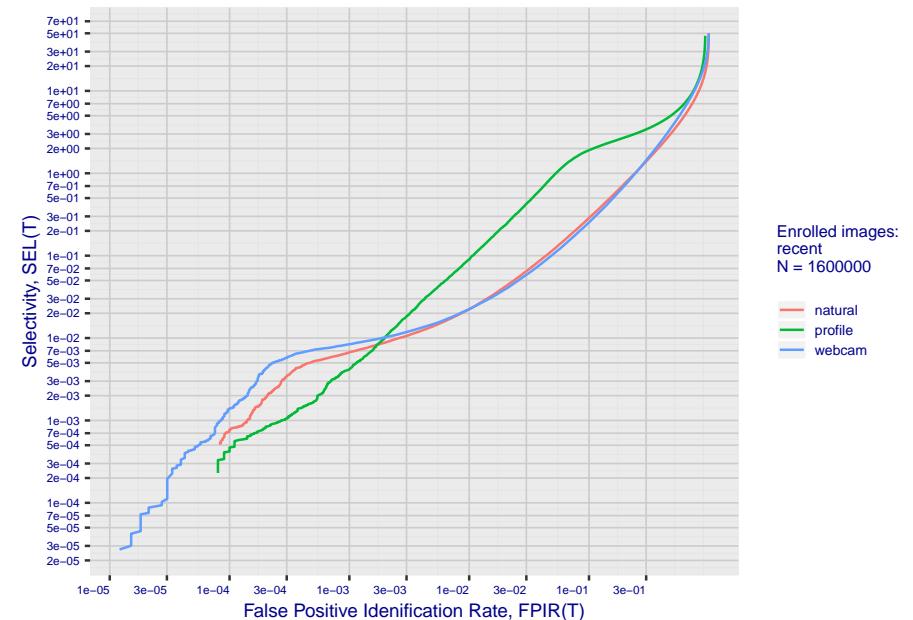
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

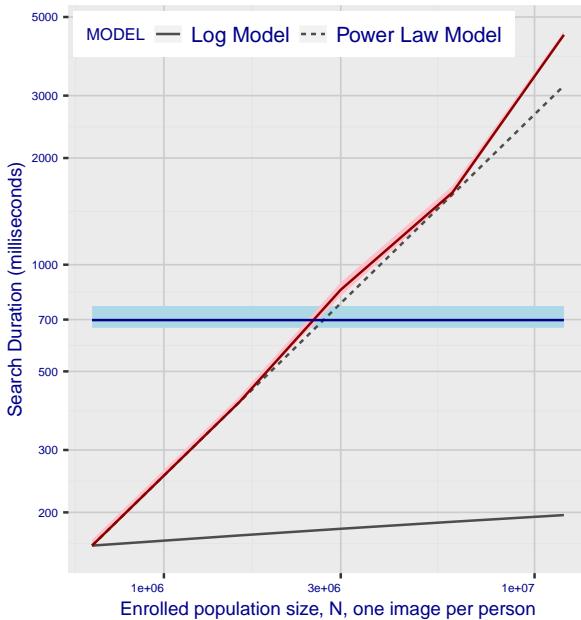


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm incode\_3 2020-03-20 13:18:10

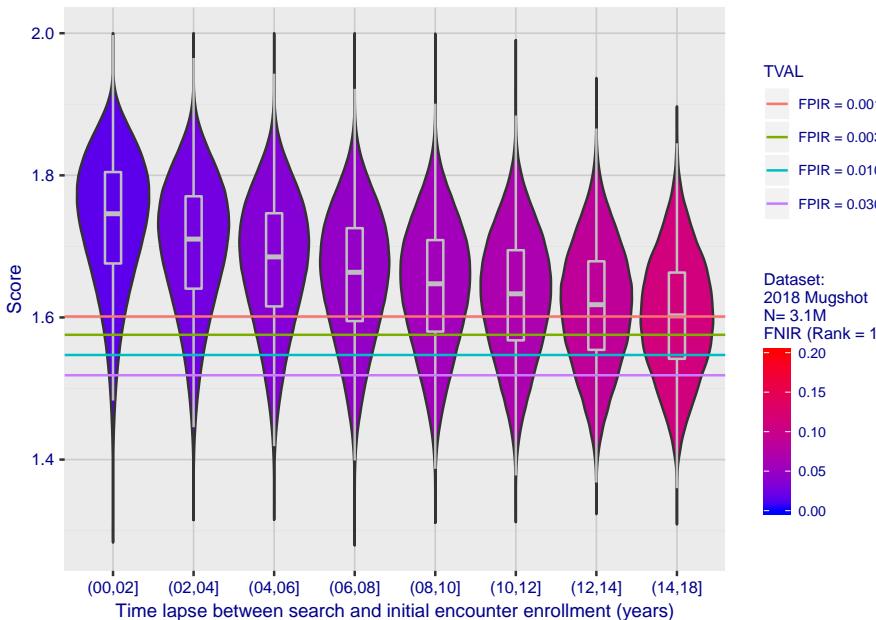
**Fig 10: Template duration; search duration vs. N**



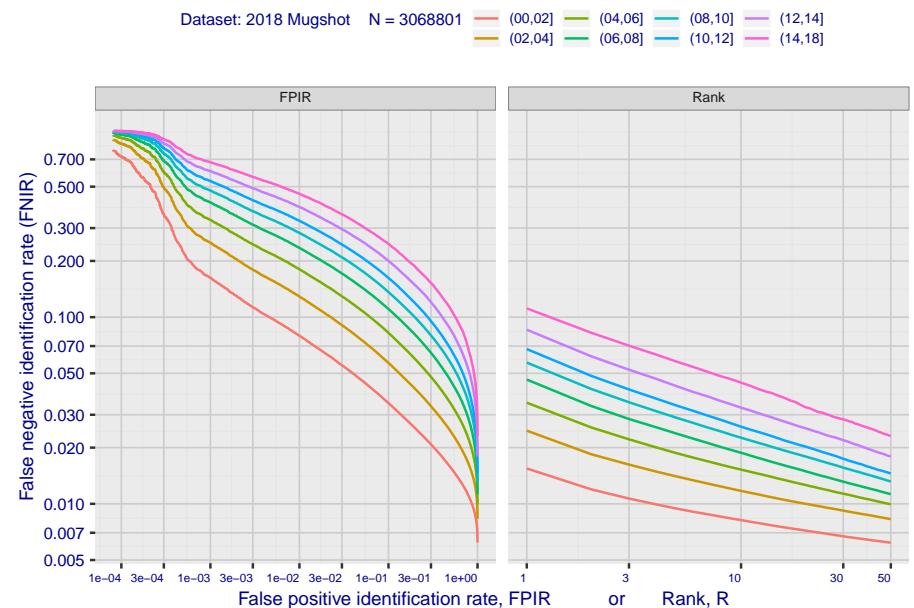
**Fig 11: Datasheet**

Algorithm: incode_3
Developer: Incode Technologies Inc
Submission Date: 2018_10_29
Template size: 2048 bytes
Template time (2.5 percentile): 664 msec
Template time (median): 698 msec
Template time (97.5 percentile): 765 msec
Investigation rank 116 -- FNIR(1600000, 0, 1) = 0.0129 vs. lowest 0.0010 from sensetime_003
Identification rank 137 -- FNIR(1600000, T, L+1) = 0.1667
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

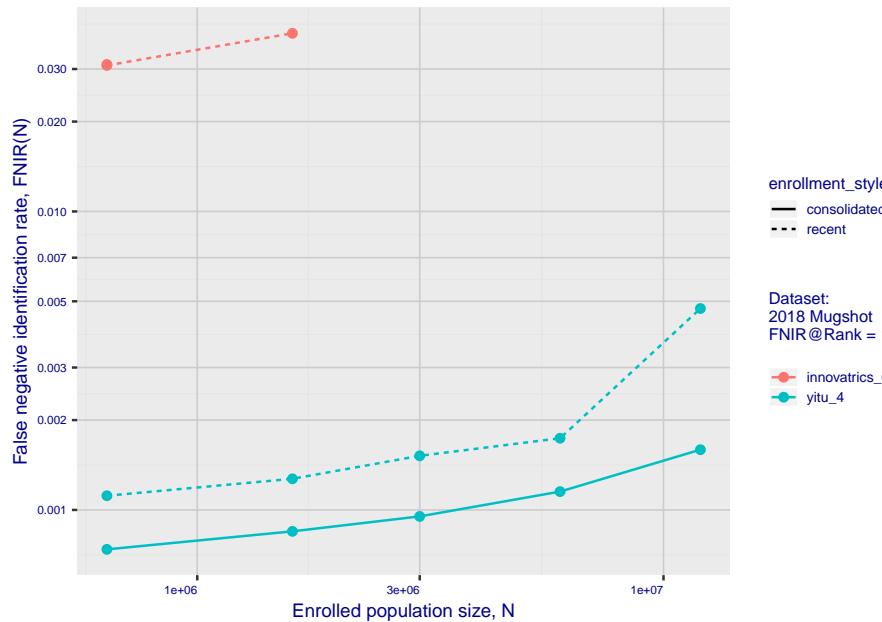


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

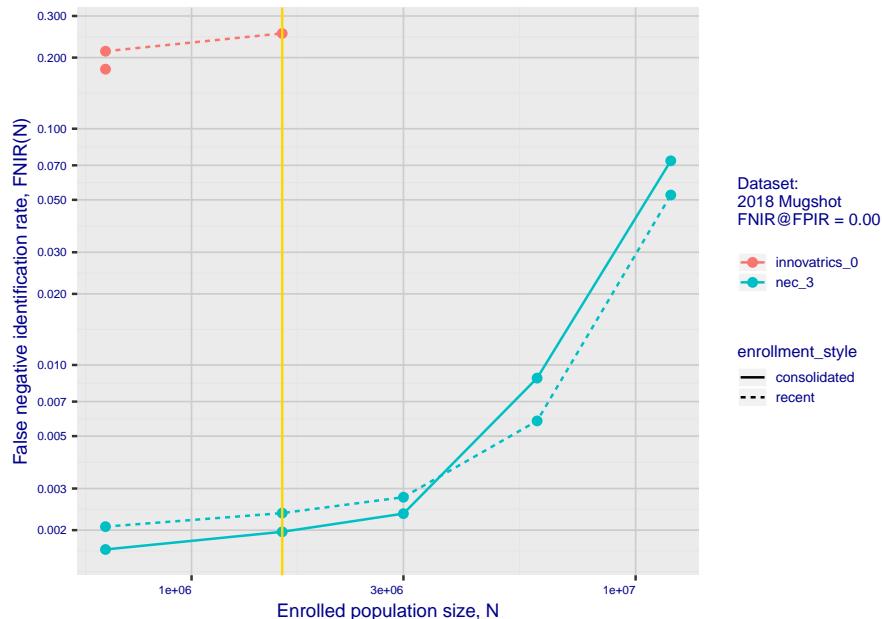


## 1. Report for algorithm innovatrics\_0 2020-03-20 13:16:28

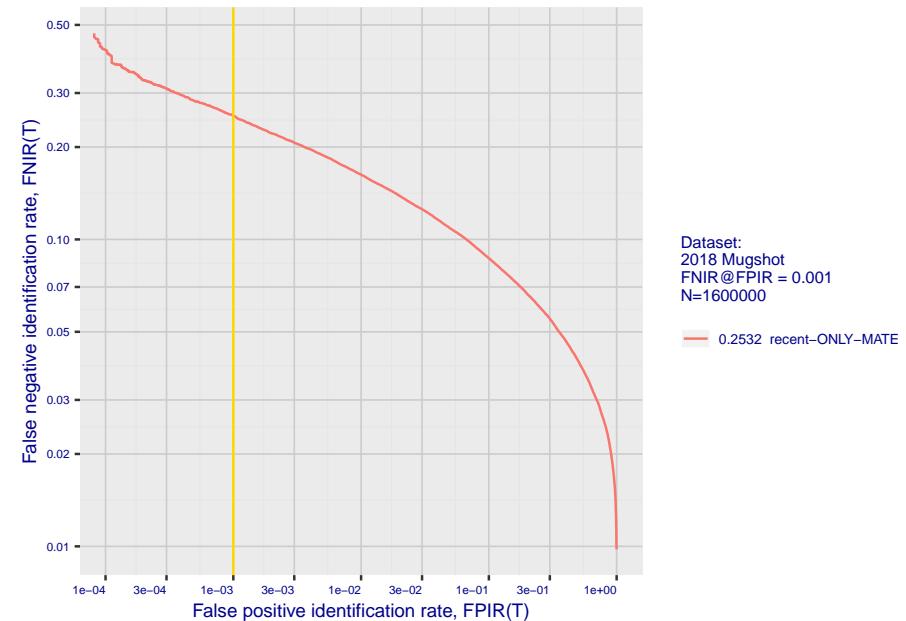
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



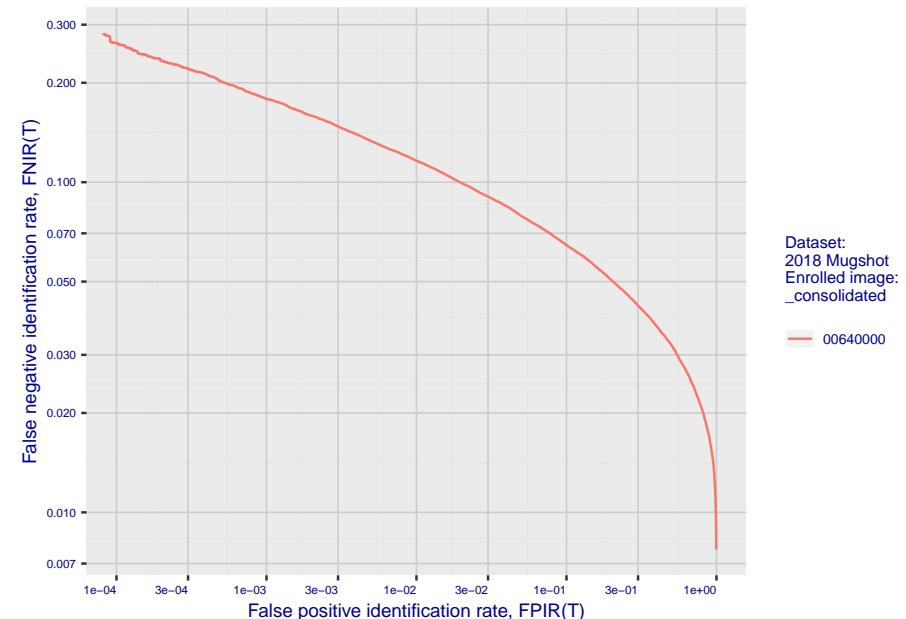
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

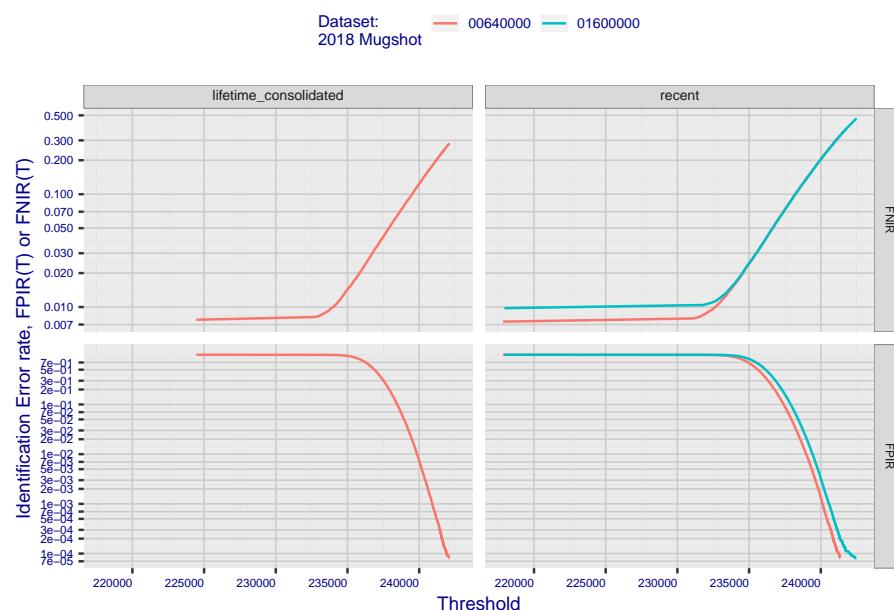


**Fig 4: DET for various N. Links connect points of equal threshold.**

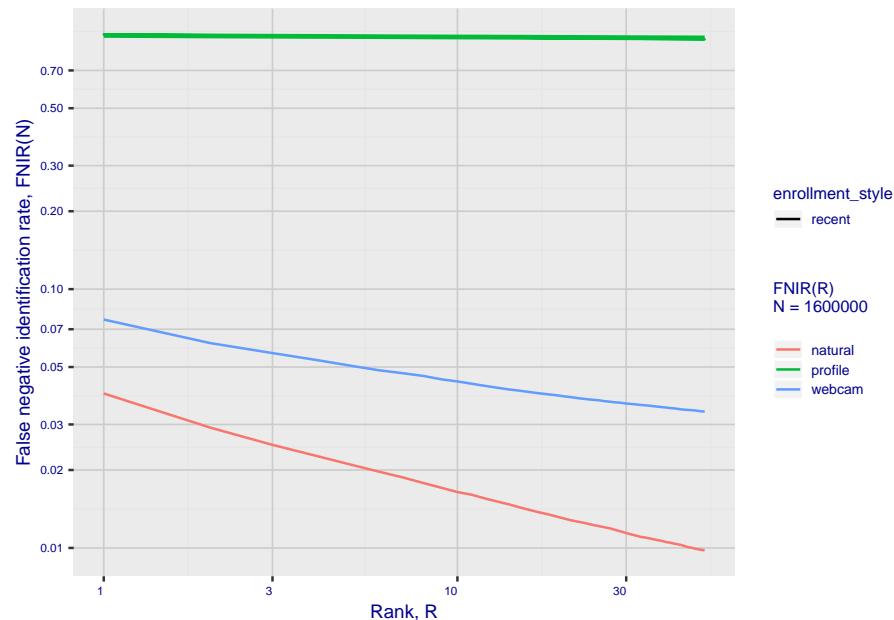


## 2. Report for algorithm innovatrics\_0 2020-03-20 13:16:28

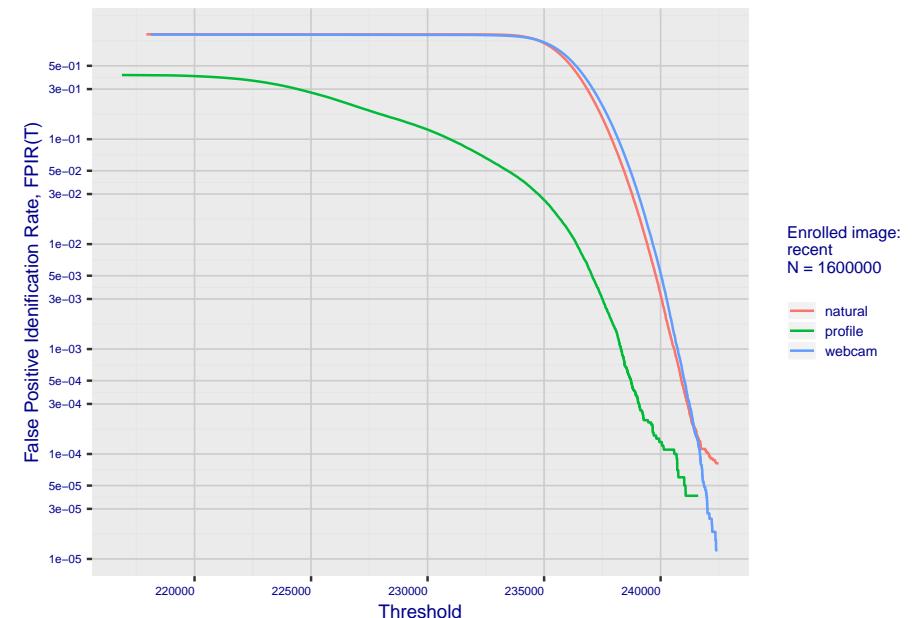
**Fig 5: Dependence on T by number enrolled identities**



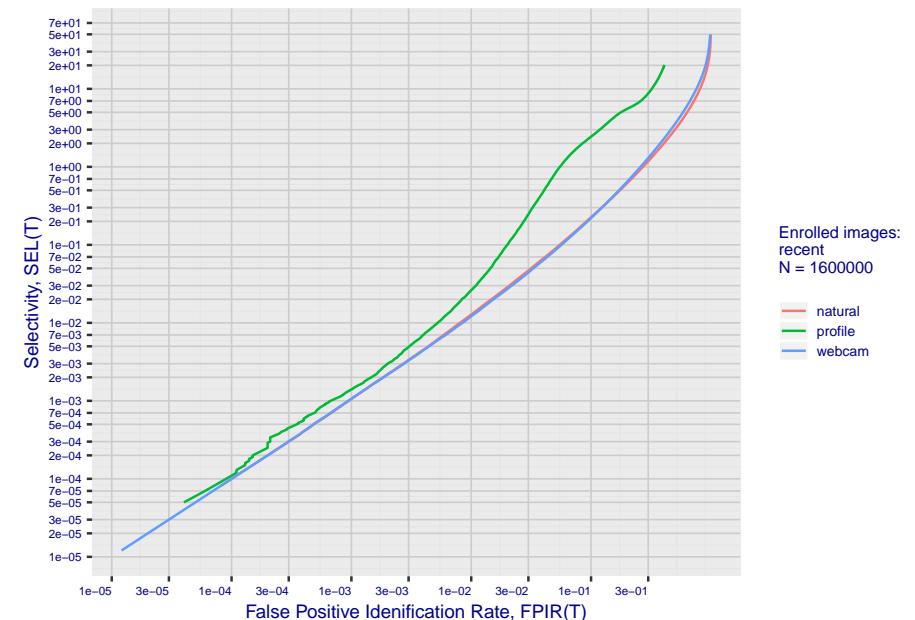
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm innovatrics\_0 2020-03-20 13:16:28

Fig 10: Template duration; search duration vs. N

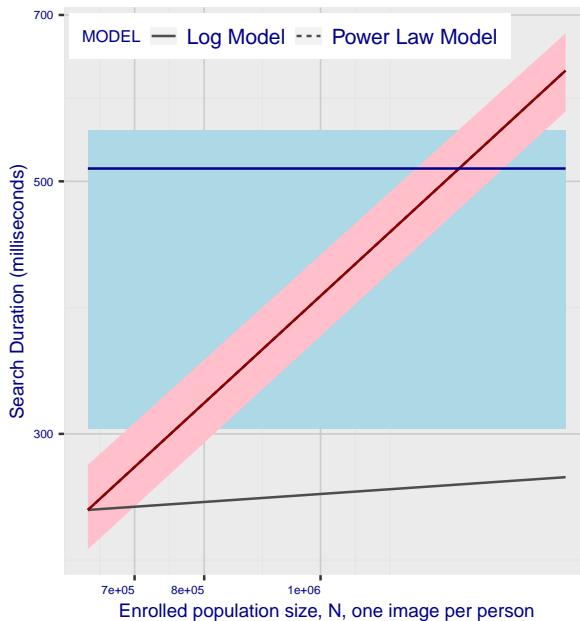
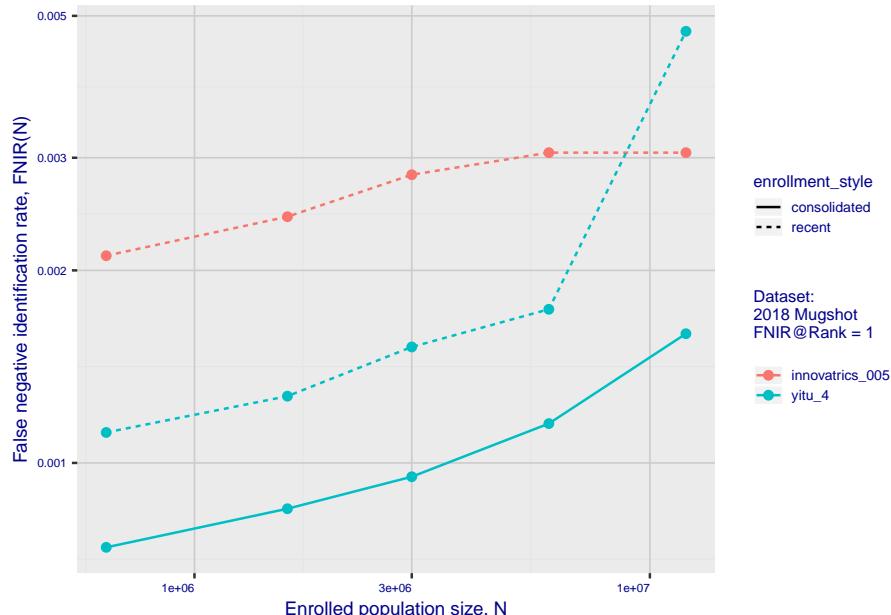


Fig 11: Datasheet

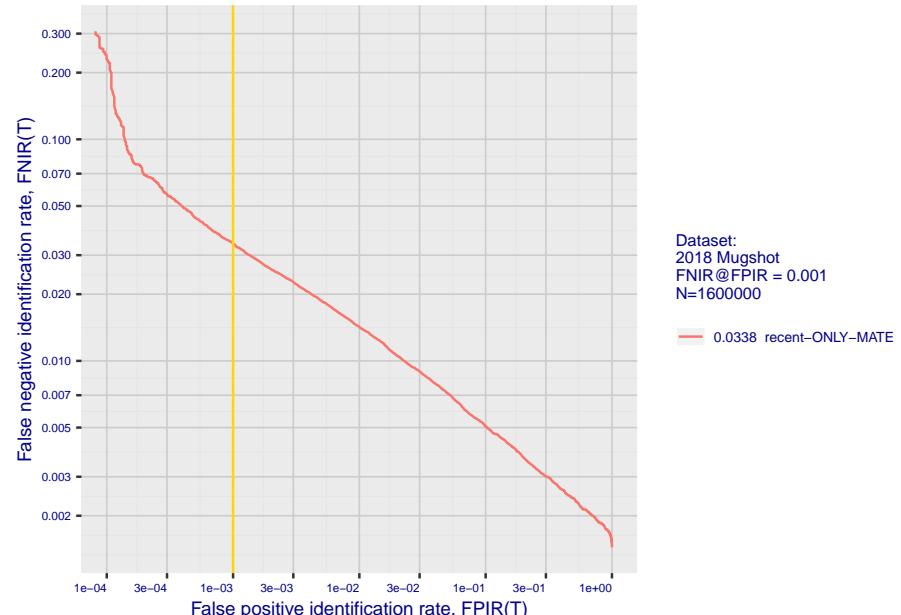
Algorithm: innovatrics_0
Developer: Innovatrics
Submission Date: 2018_02_16
Template size: 530 bytes
Template time (2.5 percentile): 303 msec
Template time (median): 513 msec
Template time (97.5 percentile): 555 msec
Investigation rank 162 -- FNIR(160000, 0, 1) = 0.0395 vs. lowest 0.0010 from sensetime_003
Identification rank 156 -- FNIR(160000, T, L+1) = 0.2532
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm innovatrics\_005 2020-03-20 13:20:01

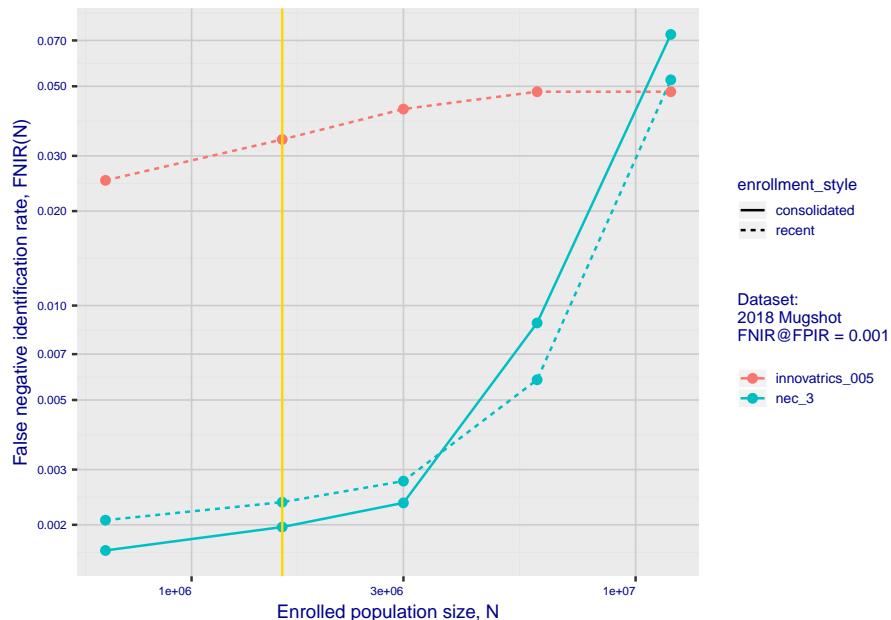
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



**Fig 2: DETs by enrollment type**

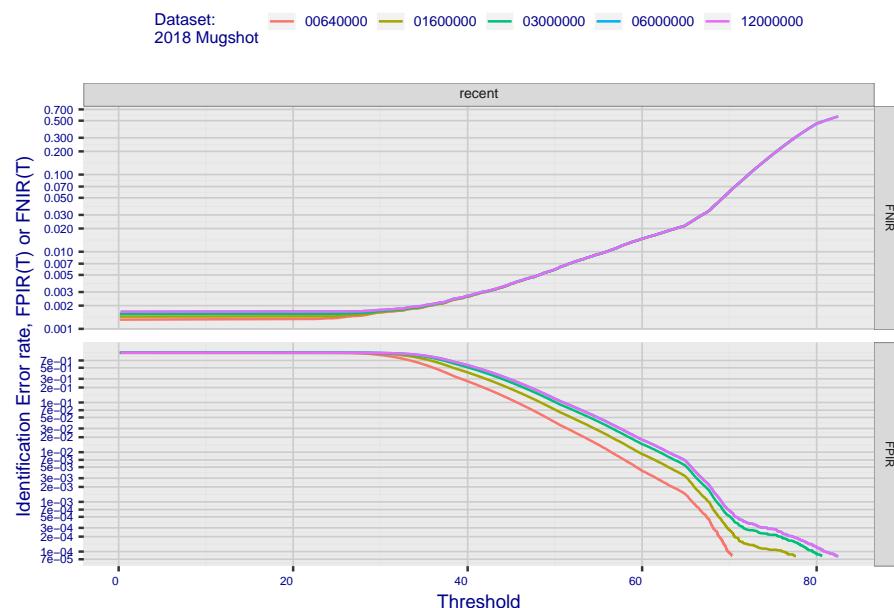


**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

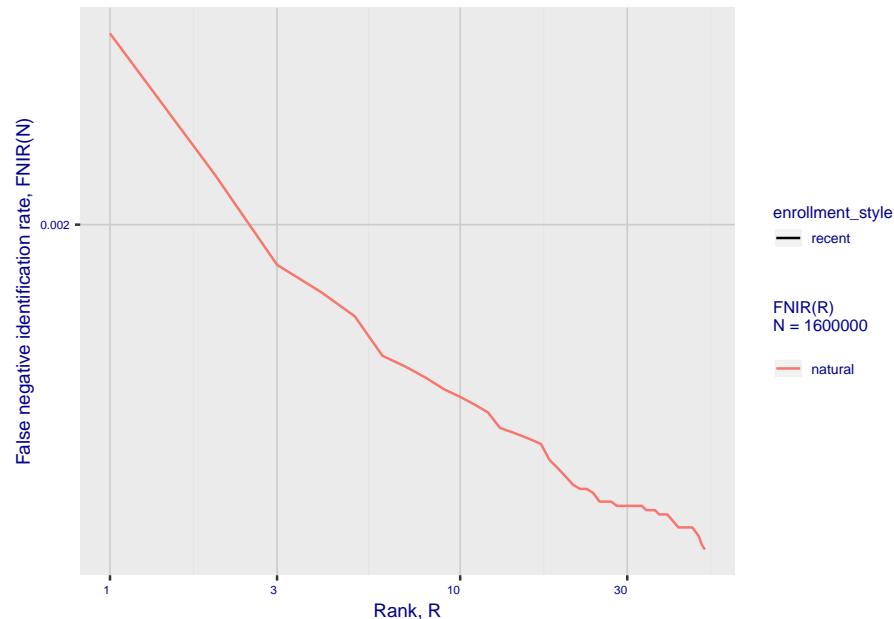


## 2. Report for algorithm innovatrics\_005 2020-03-20 13:20:01

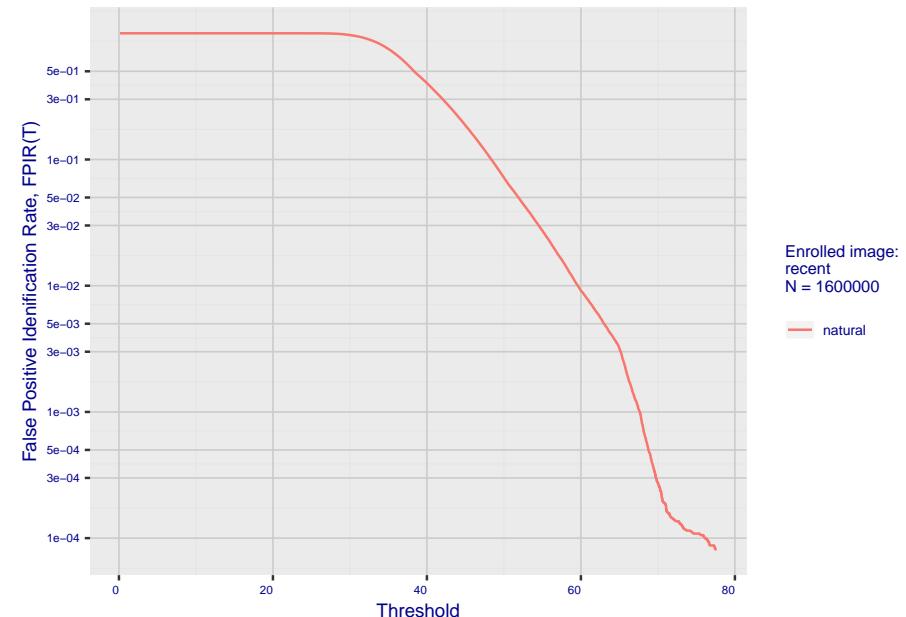
**Fig 5: Dependence on T by number enrolled identities**



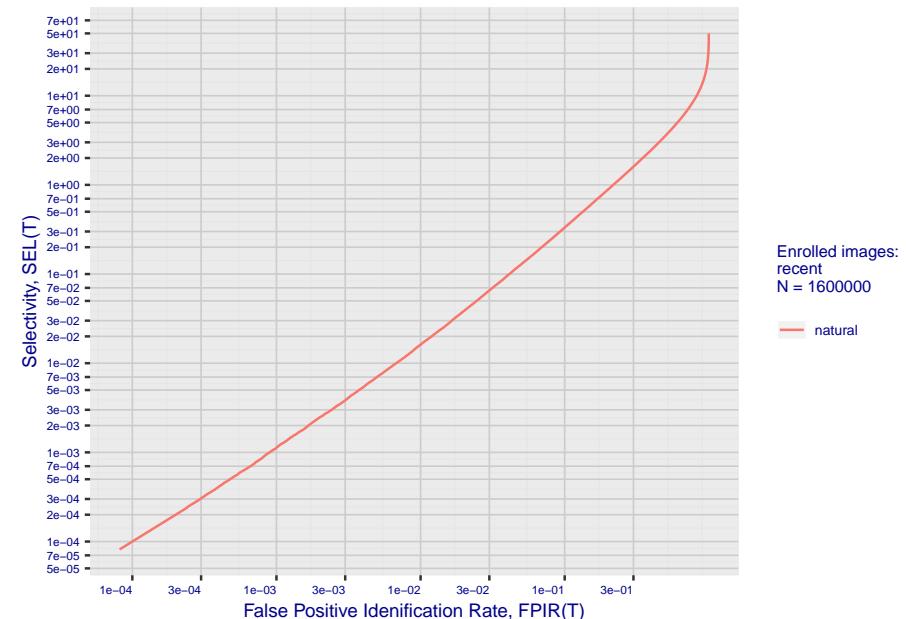
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm innovatrics\_005 2020-03-20 13:20:01

Fig 10: Template duration; search duration vs. N

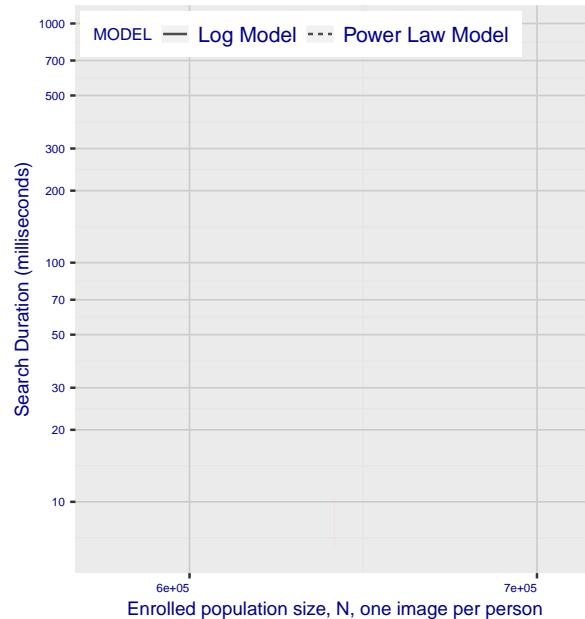
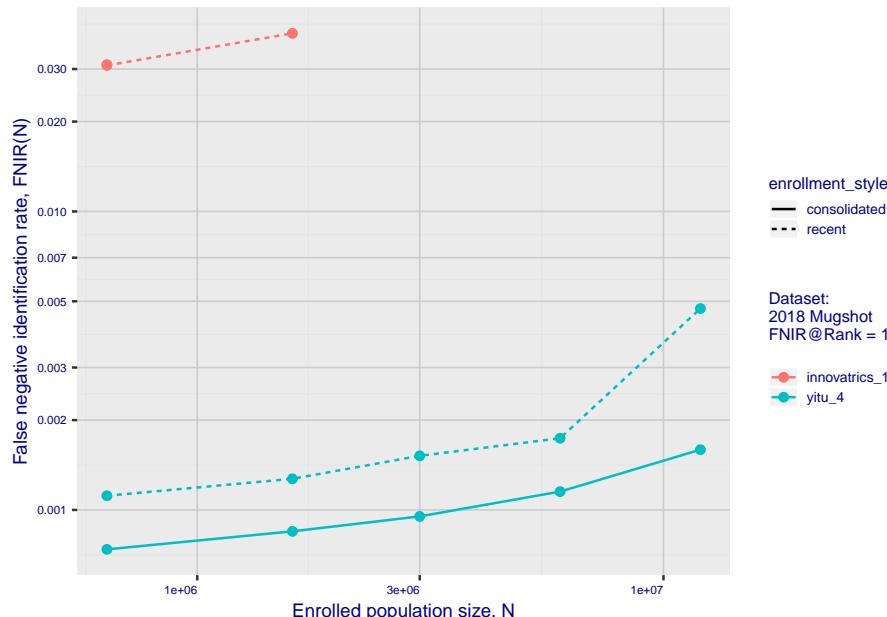


Fig 11: Datasheet

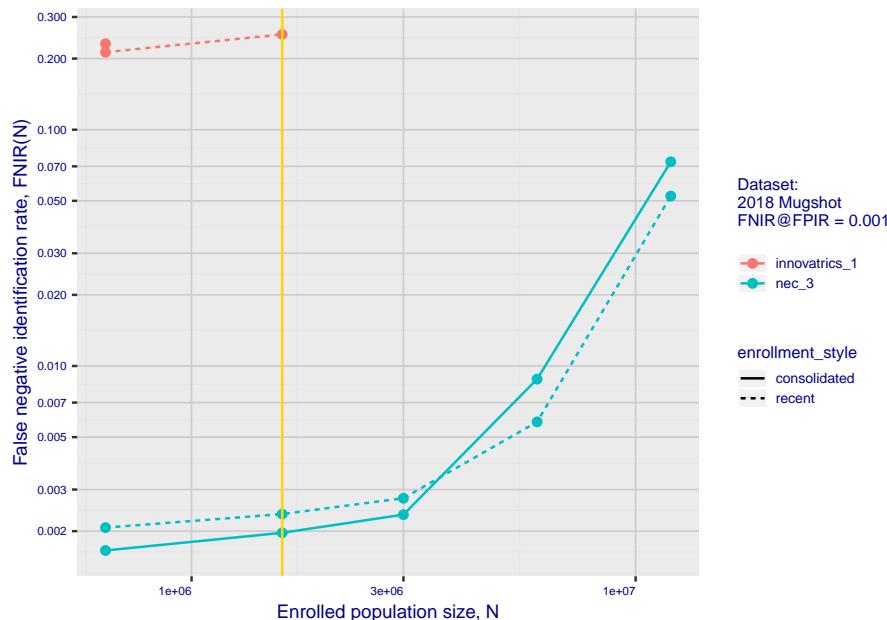
Algorithm: innovatrics_005
Developer: Innovatrics
Submission Date: 2019_09_30
Template size: 538 bytes
Template time (2.5 percentile): 821 msec
Template time (median): 828 msec
Template time (97.5 percentile): 928 msec
Investigation rank 24 --- FNIR(1600000, 0, 1) = 0.0024 vs. lowest 0.0010 from sensetime_005
Identification rank 32 --- FNIR(1600000, T, L+1) = 0.0338
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm innovatrics\_1 2020-03-20 13:16:31

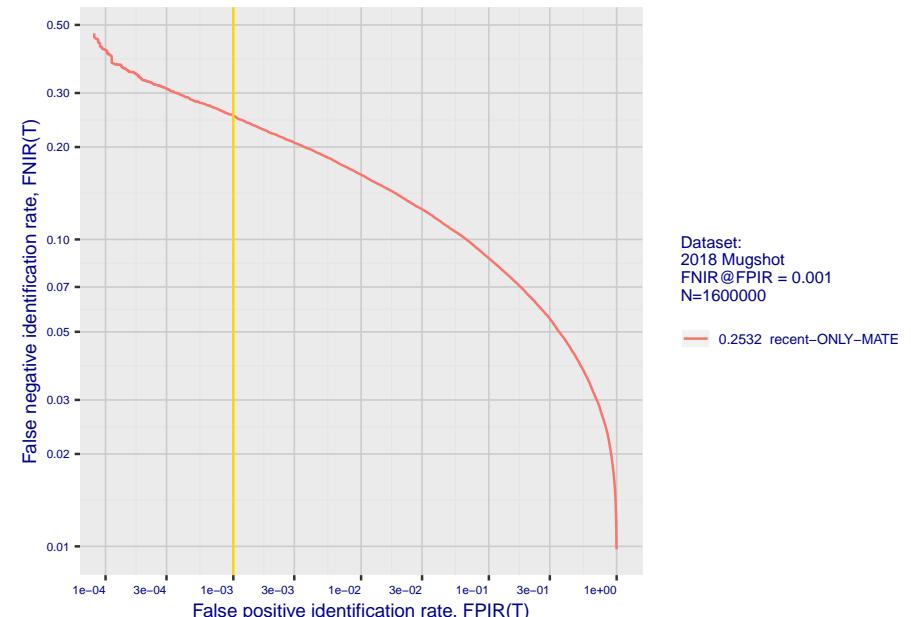
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



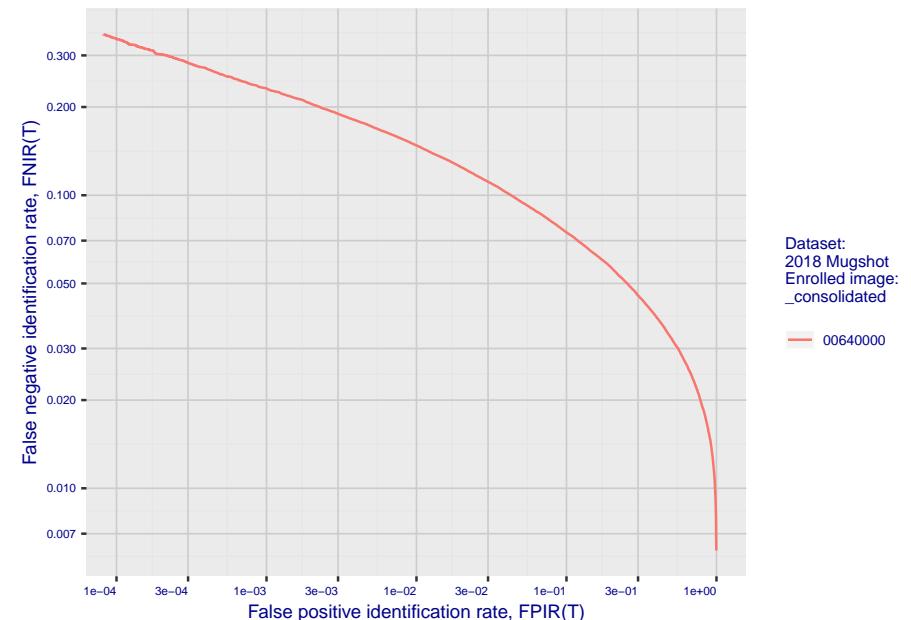
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

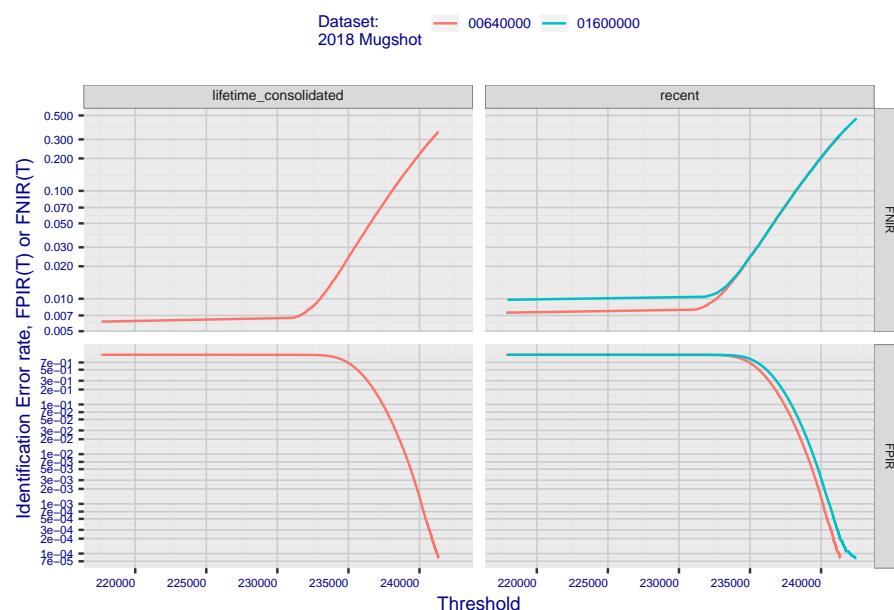


**Fig 4: DET for various N. Links connect points of equal threshold.**

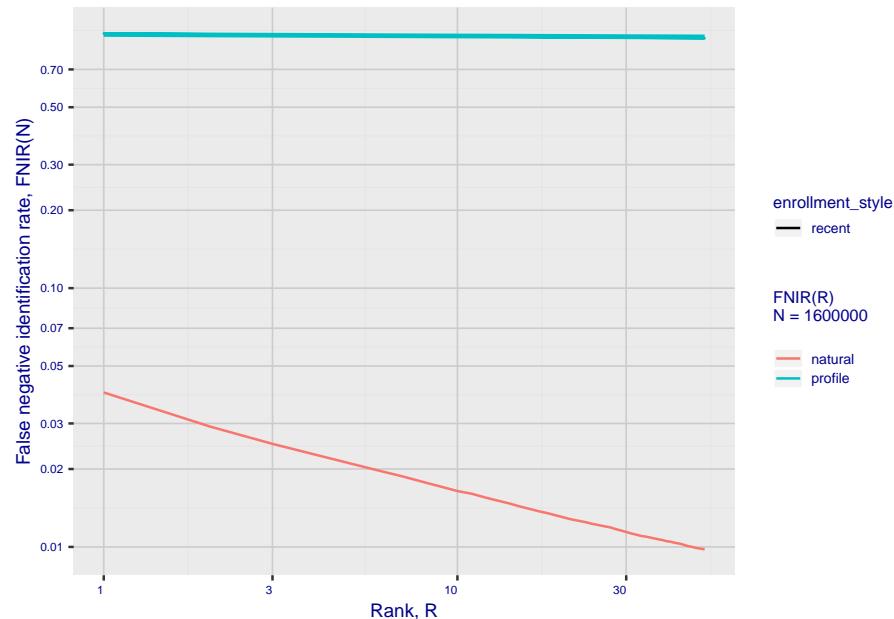


## 2. Report for algorithm innovatrics\_1 2020-03-20 13:16:31

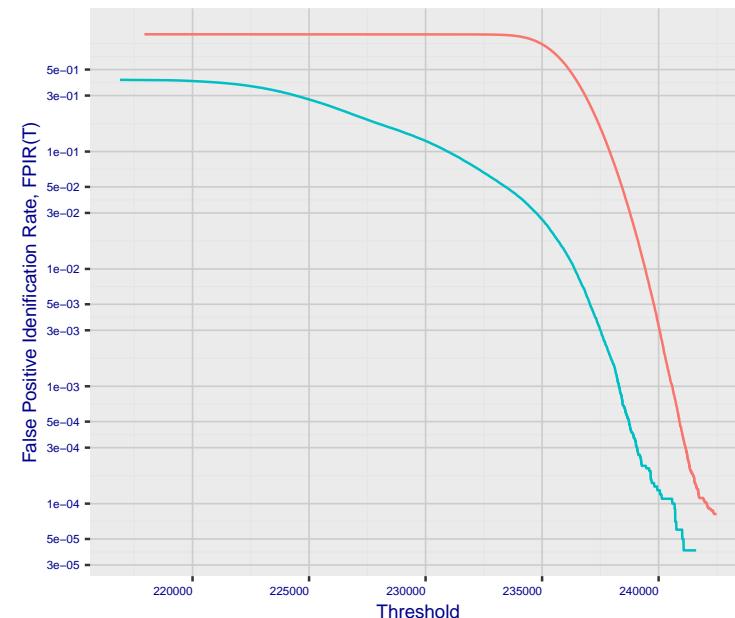
**Fig 5: Dependence on T by number enrolled identities**



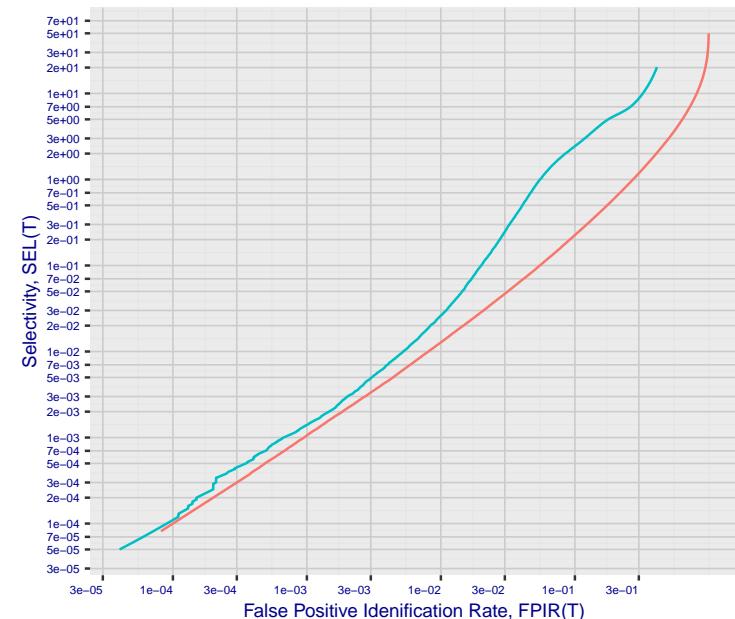
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm innovatrics\_1 2020-03-20 13:16:31

Fig 10: Template duration; search duration vs. N

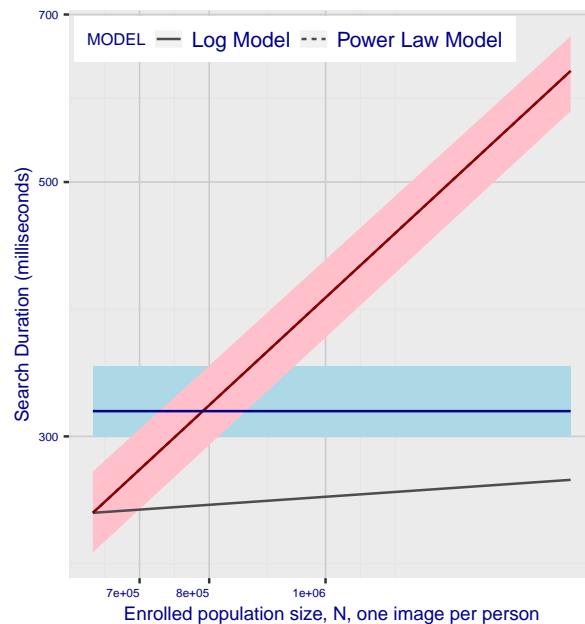
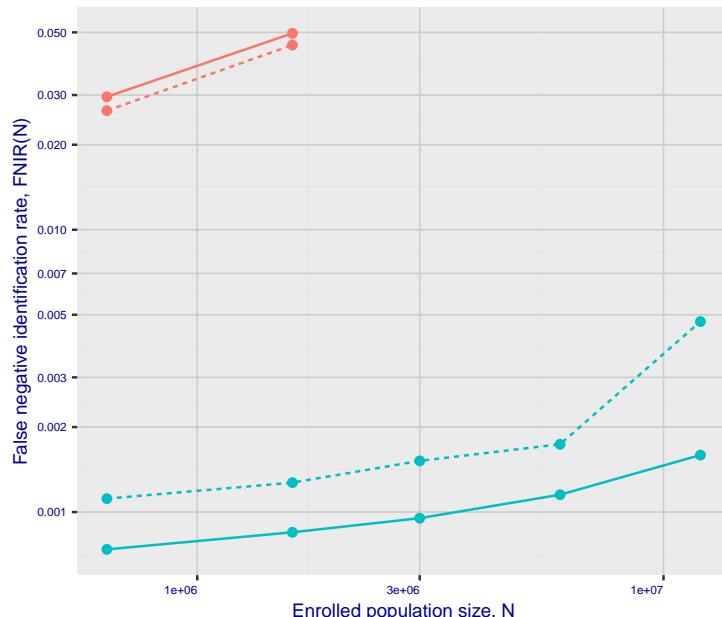


Fig 11: Datasheet

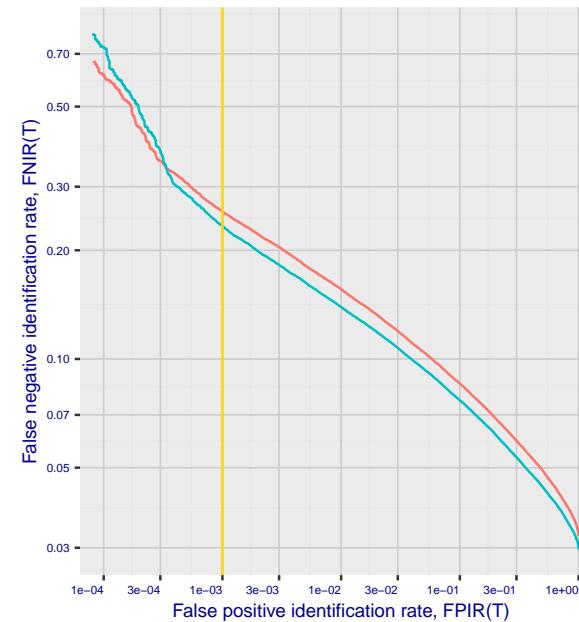
Algorithm: innovatrics_1
Developer: Innovatrics
Submission Date: 2018_02_16
Template size: 530 bytes
Template time (2.5 percentile): 299 msec
Template time (median): 316 msec
Template time (97.5 percentile): 345 msec
Investigation rank 162 -- FNIR(160000, 0, 1) = 0.0395 vs. lowest 0.0010 from sensetime_003
Identification rank 156 -- FNIR(160000, T, L+1) = 0.2532
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

## 1. Report for algorithm innovatrics\_2 2020-03-20 13:20:16

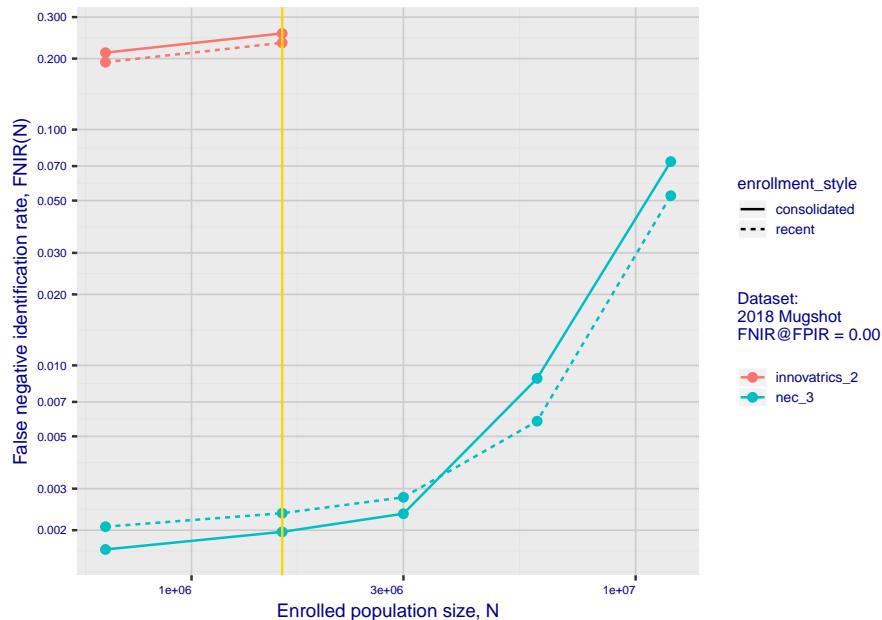
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



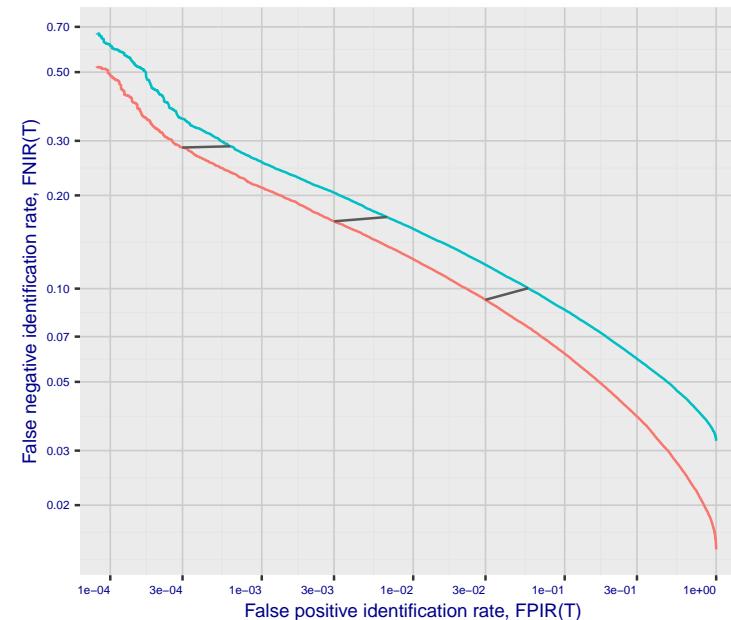
**Fig 2: DETs by enrollment type**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 4: DET for various N. Links connect points of equal threshold.**



Dataset:  
2018 Mugshot  
FNIR@FPIR = 0.001  
N=1600000

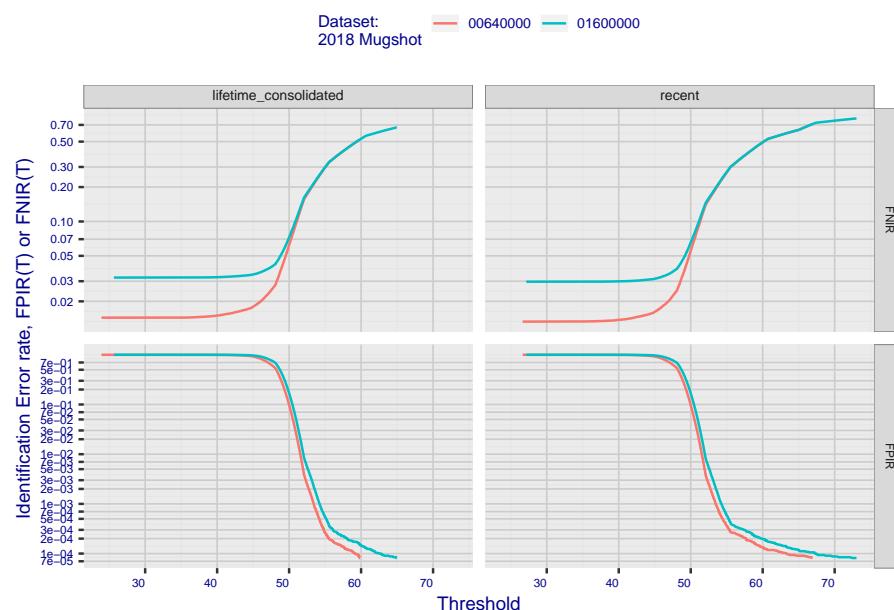
0.2558 consolidated-ONLY-MATE  
0.2333 recent-ONLY-MATE

Dataset:  
2018 Mugshot  
Enrolled image:  
\_consolidated

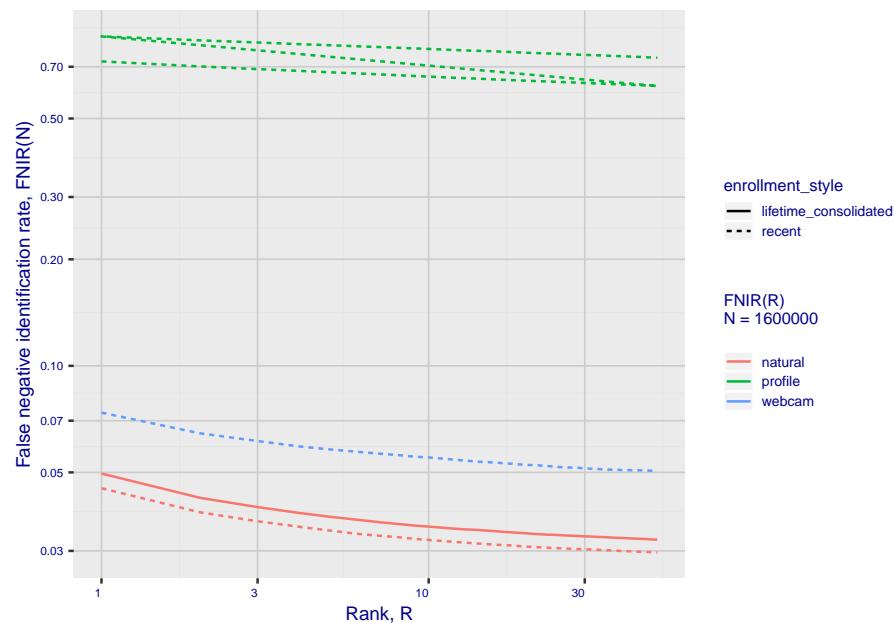
00640000  
01600000

## 2. Report for algorithm innovatrics\_2 2020-03-20 13:20:16

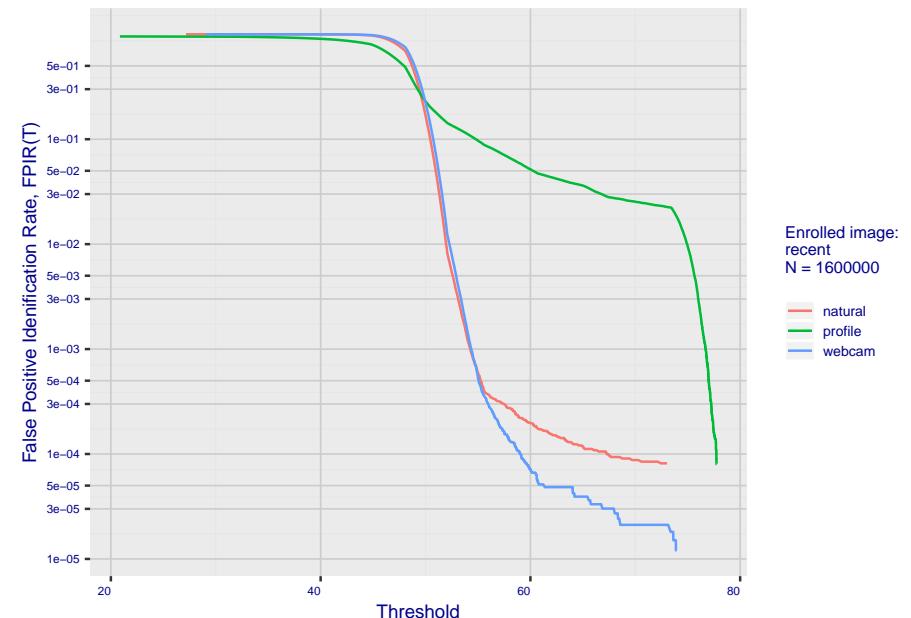
**Fig 5: Dependence on T by number enrolled identities**



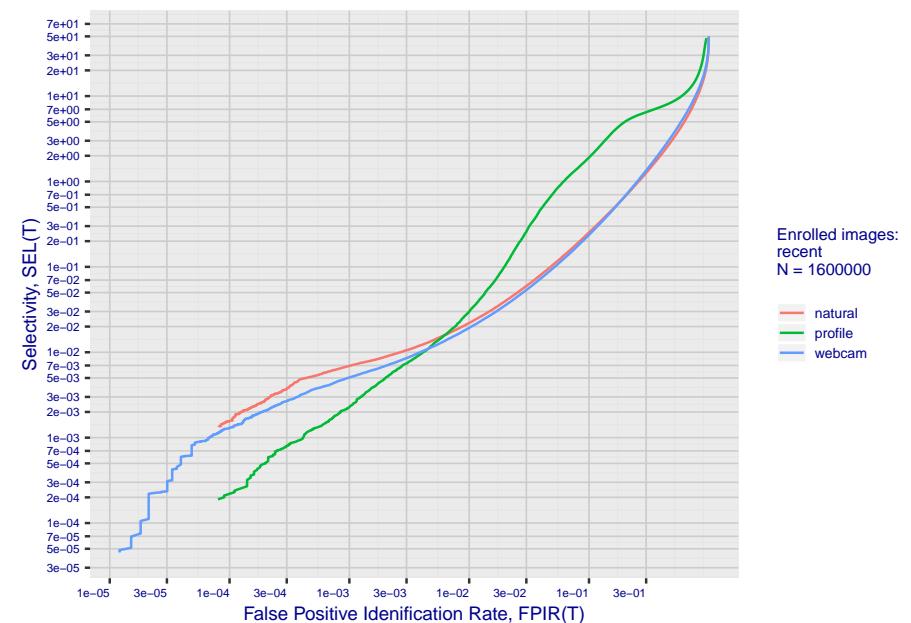
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm innovatrics\_2 2020-03-20 13:20:16

Fig 10: Template duration; search duration vs. N

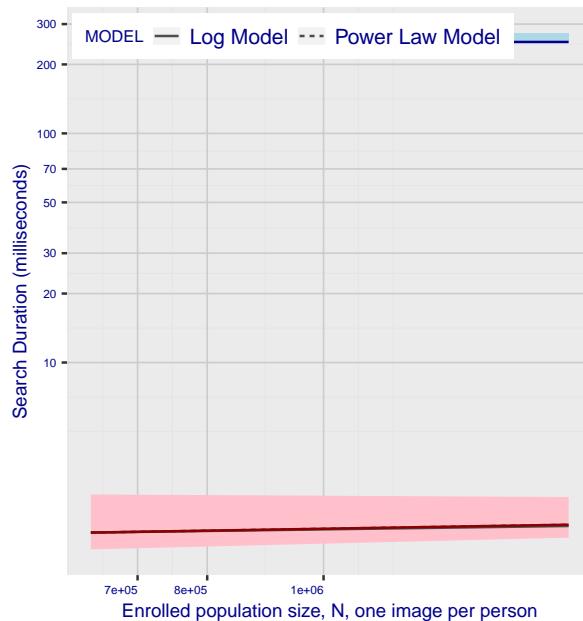
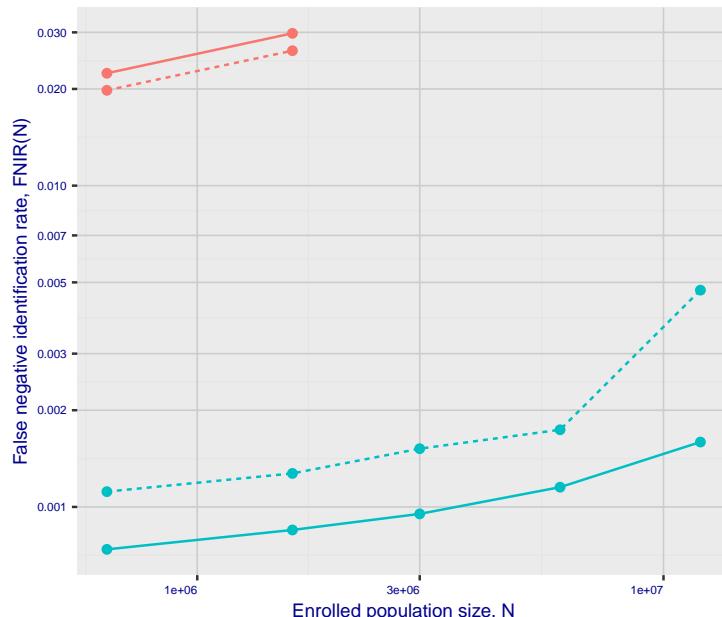


Fig 11: Datasheet

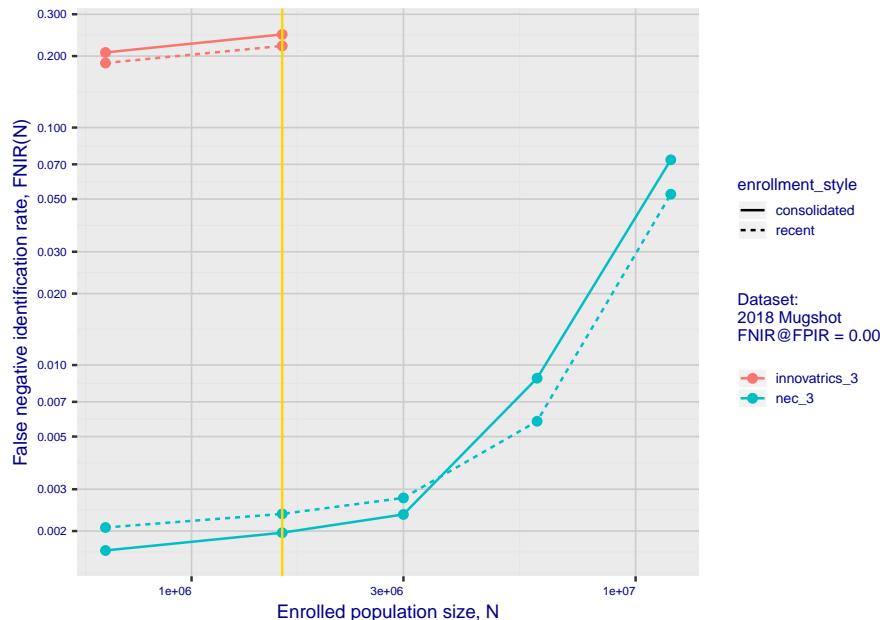
Algorithm: innovatrics_2
Developer: Innovatrics
Submission Date: 2018_06_21
Template size: 530 bytes
Template time (2.5 percentile): 250 msec
Template time (median): 251 msec
Template time (97.5 percentile): 273 msec
Investigation rank 171 -- FNIR(160000, 0, 1) = 0.0451 vs. lowest 0.0010 from sensetime_003
Identification rank 154 -- FNIR(160000, T, L+1) = 0.2333
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm innovatrics\_3 2020-03-20 13:23:46

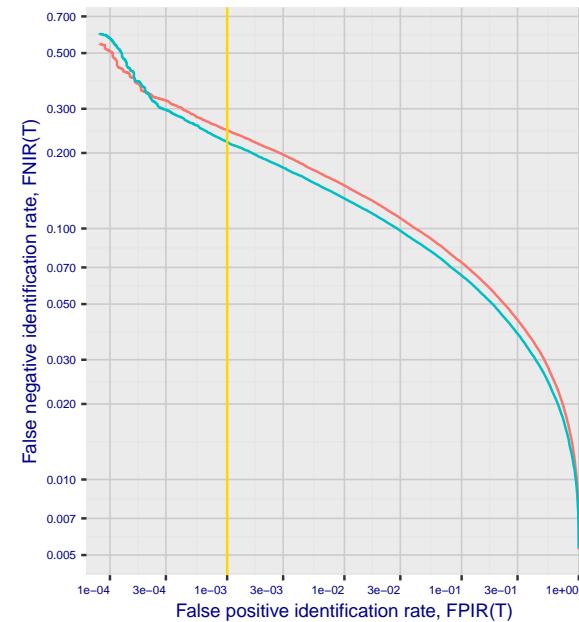
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



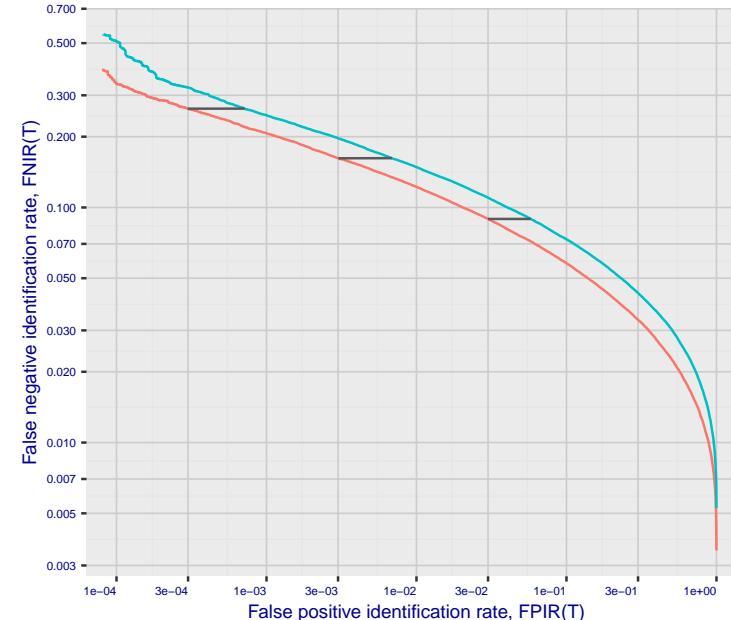
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**



Dataset:  
2018 Mugshot  
FNIR@FPIR = 0.001  
N=1600000

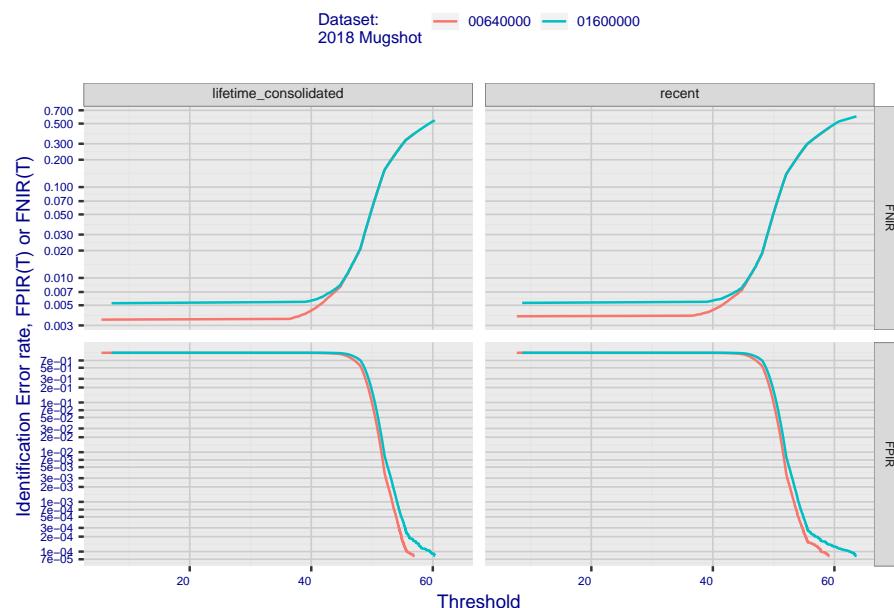
0.2467 consolidated-ONLY-MATE  
0.2207 recent-ONLY-MATE

Dataset:  
2018 Mugshot  
Enrolled image:  
\_consolidated

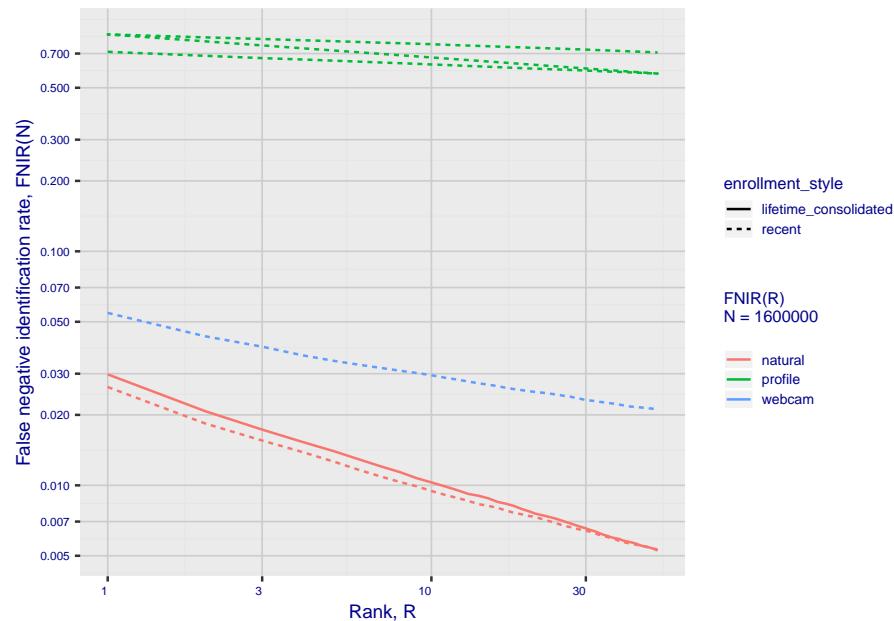
00640000  
01600000

## 2. Report for algorithm innovatrics\_3 2020-03-20 13:23:46

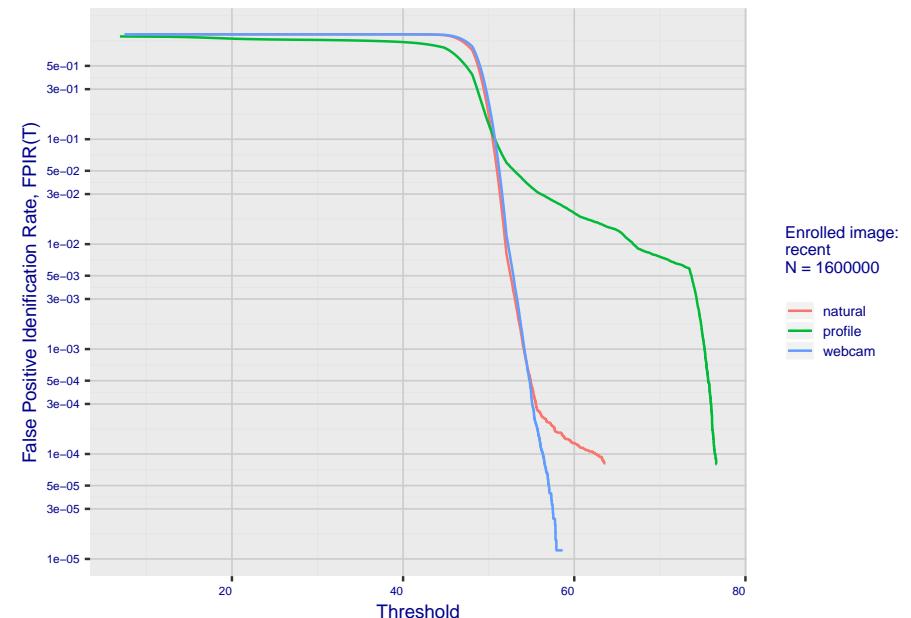
**Fig 5: Dependence on T by number enrolled identities**



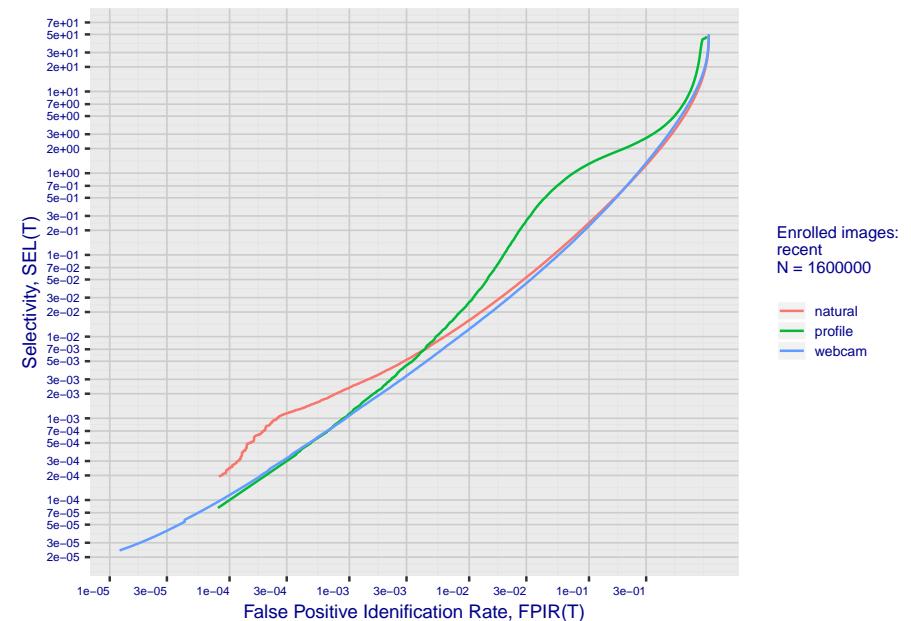
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm innovatrics\_3 2020-03-20 13:23:46

Fig 10: Template duration; search duration vs. N

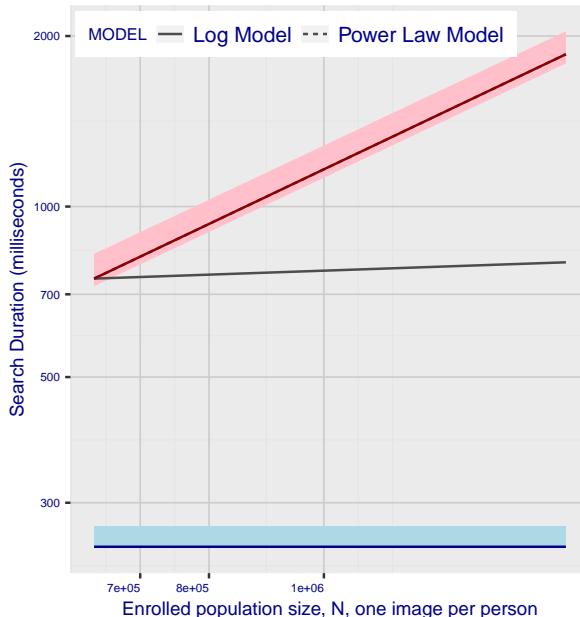
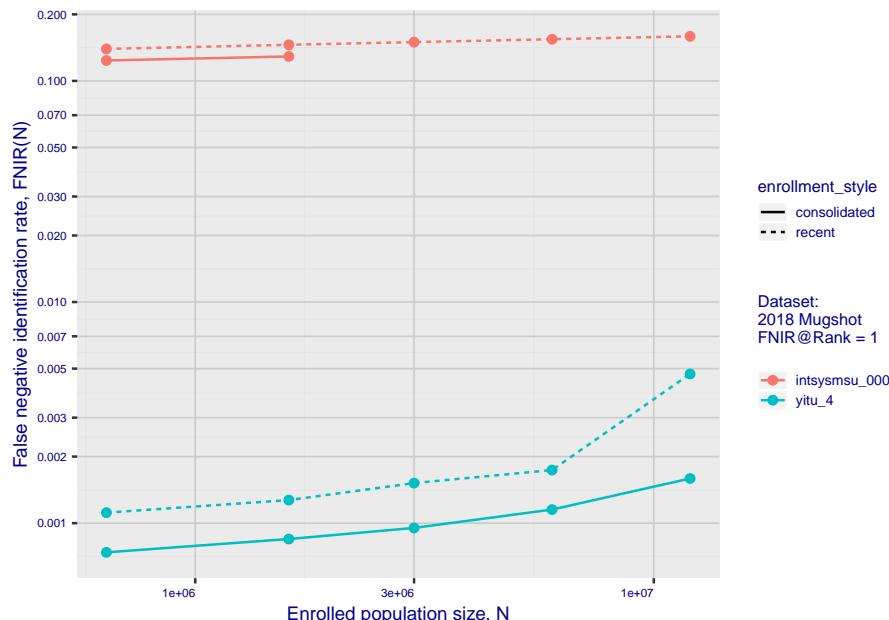


Fig 11: Datasheet

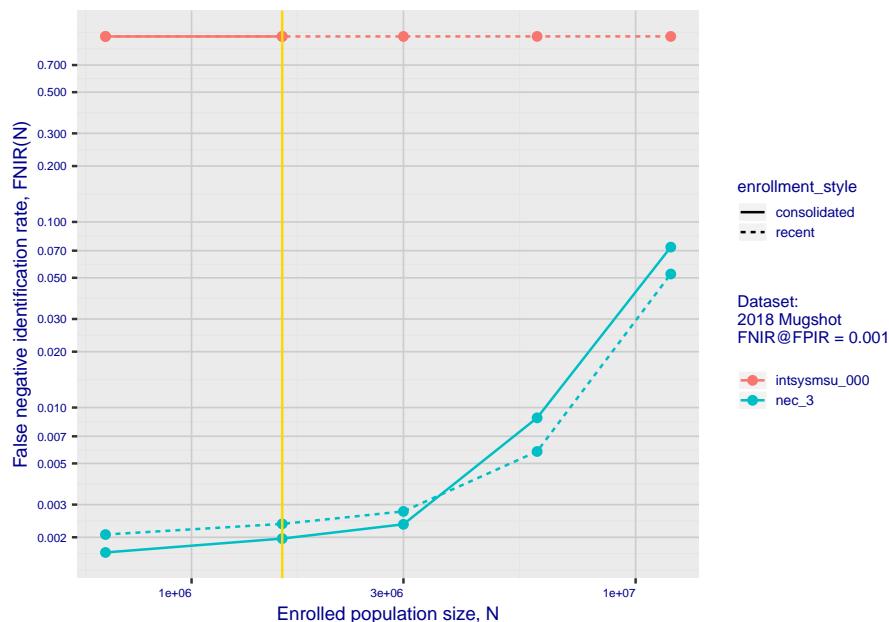
Algorithm:	innovatrics_3
Developer:	Innovatrics
Submission Date:	2018_06_21
Template size:	530 bytes
Template time (2.5 percentile):	250 msec
Template time (median):	251 msec
Template time (97.5 percentile):	273 msec
Investigation rank 148 -- FNIR(160000, 0, 1) = 0.0263 vs. lowest 0.0010 from sen	
Identification rank 150 -- FNIR(160000, T, L+1) = 0.2207	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm intsysmsu\_000 2020-03-20 13:16:48

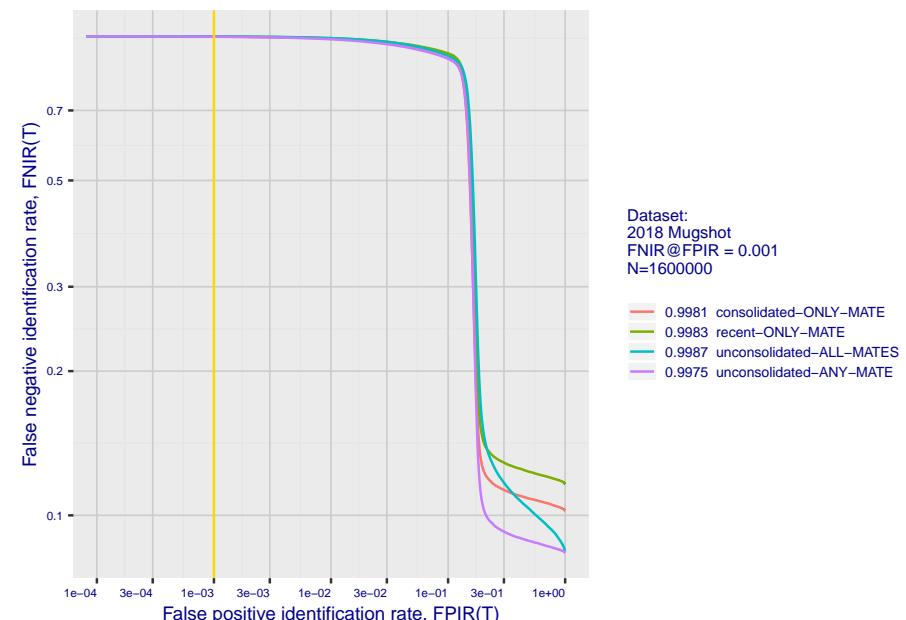
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



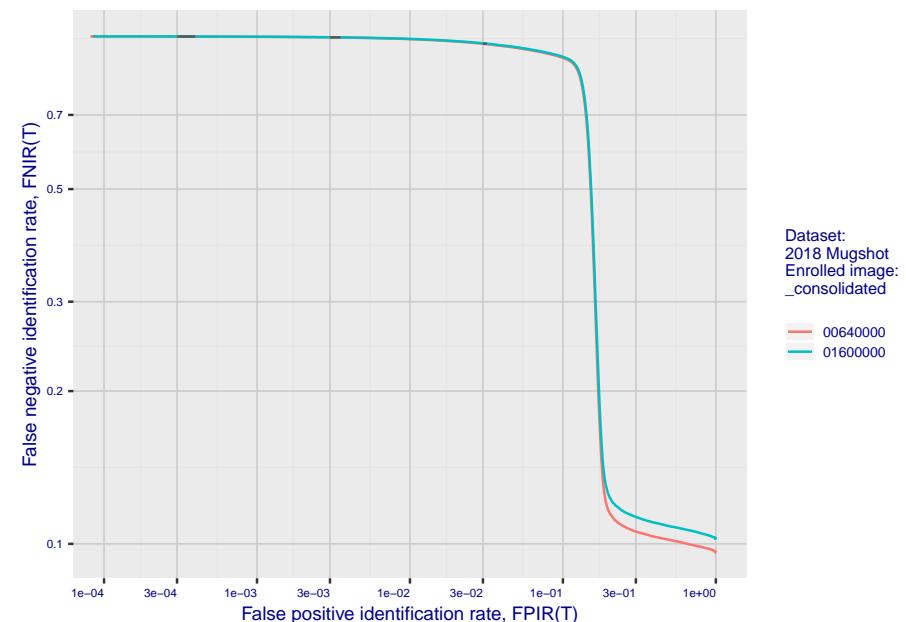
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

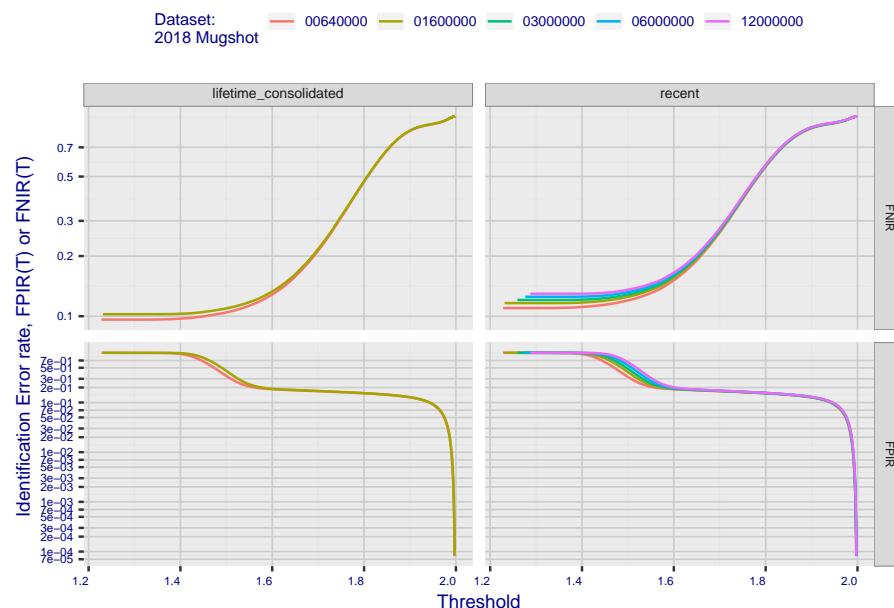


**Fig 4: DET for various N. Links connect points of equal threshold.**

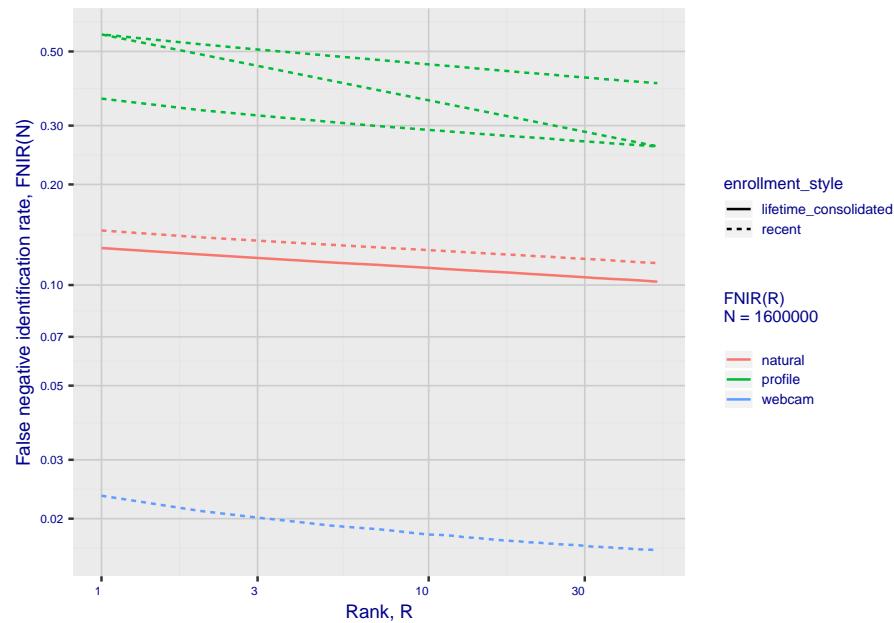


## 2. Report for algorithm intsysmsu\_000 2020-03-20 13:16:48

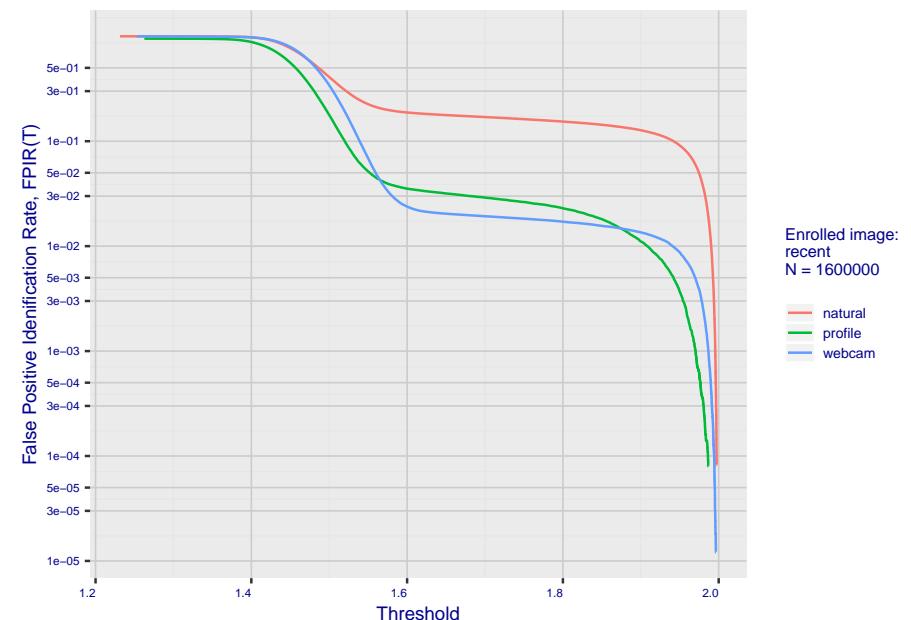
**Fig 5: Dependence on T by number enrolled identities**



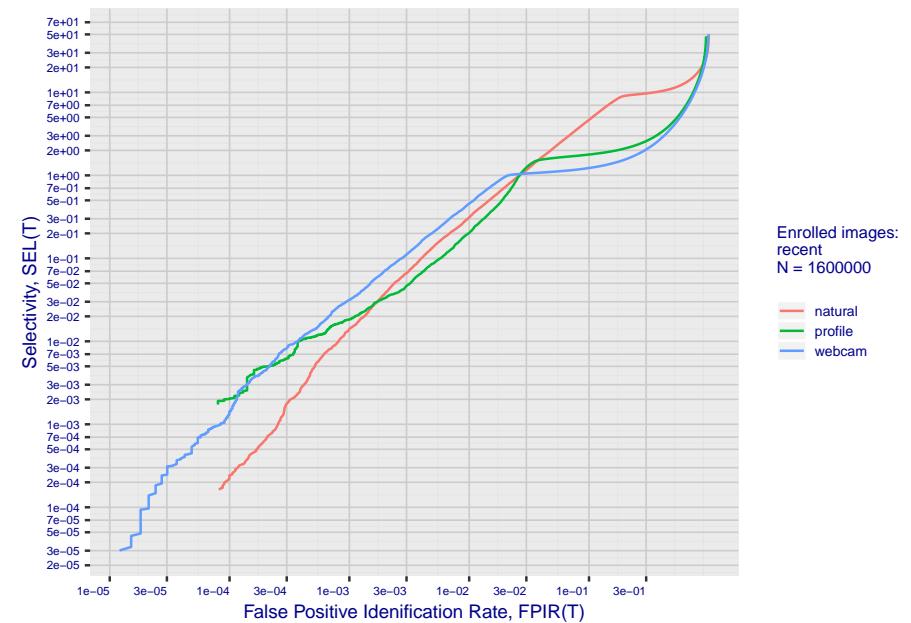
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm intsysmsu\_000 2020-03-20 13:16:48

Fig 10: Template duration; search duration vs. N

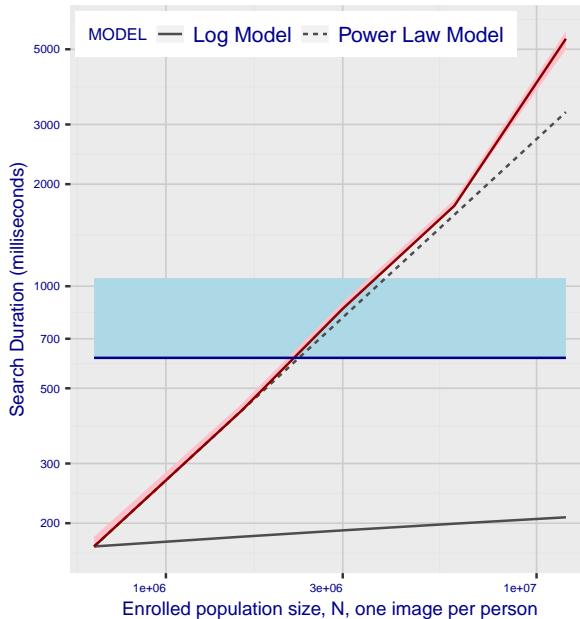
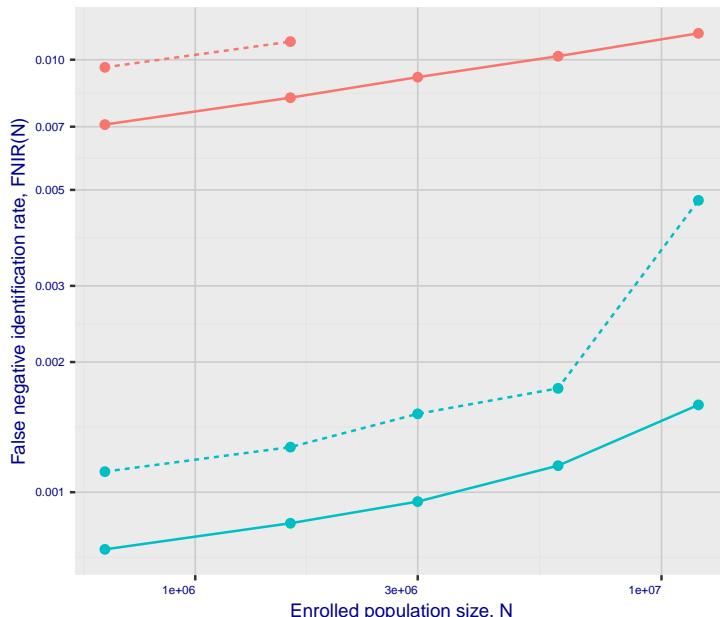


Fig 11: Datasheet

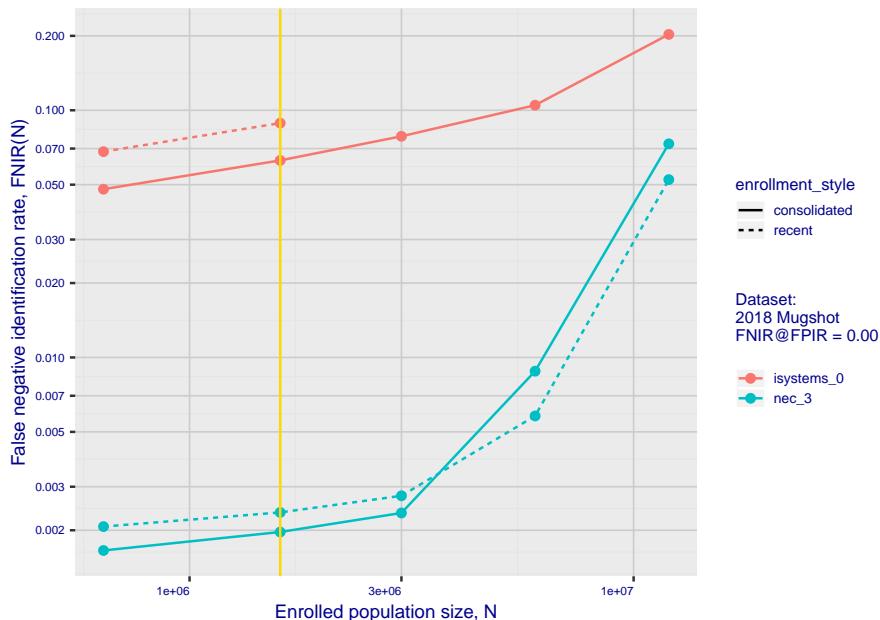
Algorithm: intsysmsu\_000  
Developer: Lomonosov Moscow State University  
Submission Date: 2019\_08\_19  
Template size: 2048 bytes  
Template time (2.5 percentile): 611 msec  
Template time (median): 615 msec  
Template time (97.5 percentile): 1057 msec  
Investigation rank 198 -- FNIR(1600000, 0, 1) = 0.1457 vs. lowest 0.0010 from sensetime\_003  
Identification rank 231 -- FNIR(1600000, T, L+1) = 0.9983  
FPIR = 0.001 vs. lowest 0.0018 from sensetime\_003

# 1. Report for algorithm isystems\_0 2020-03-20 13:16:50

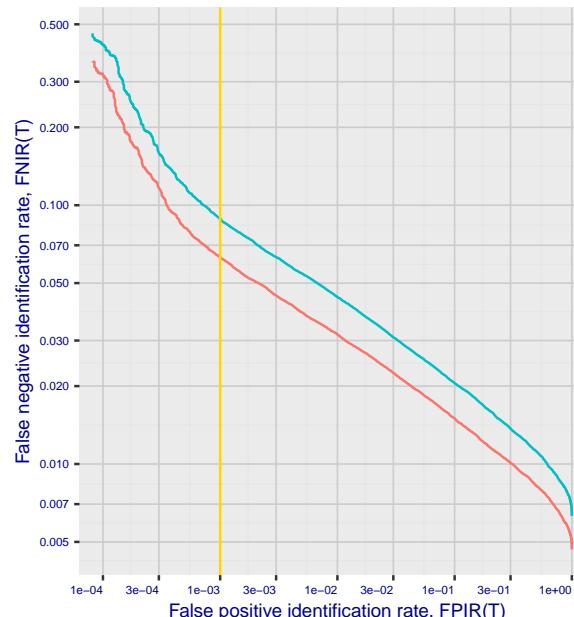
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



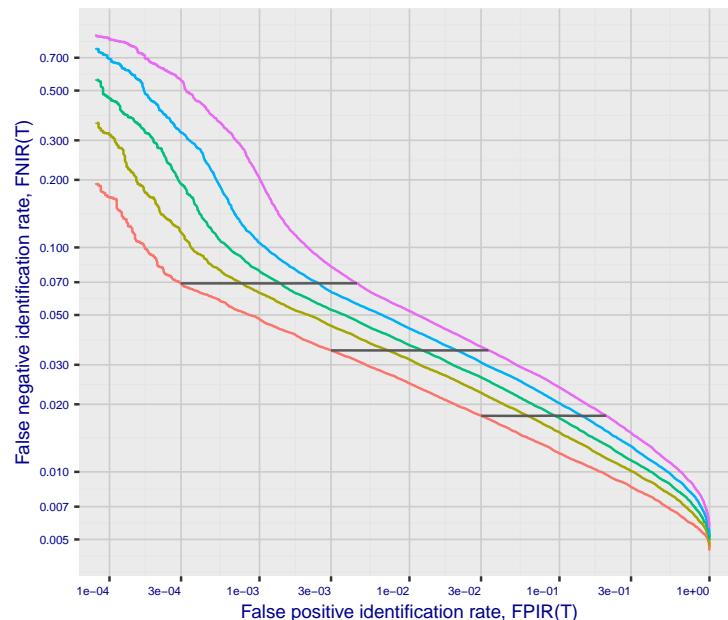
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

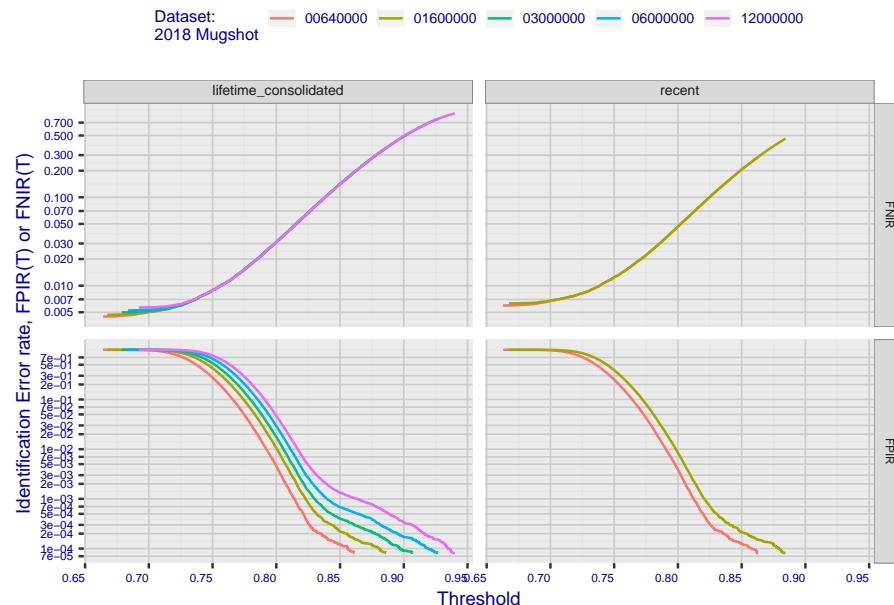


**Fig 4: DET for various N. Links connect points of equal threshold.**

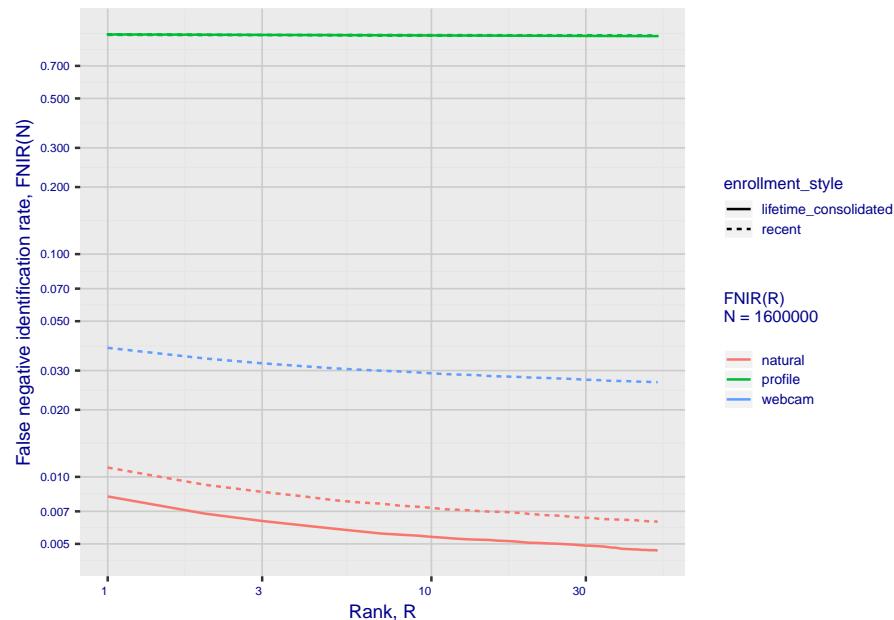


## 2. Report for algorithm isystems\_0 2020-03-20 13:16:50

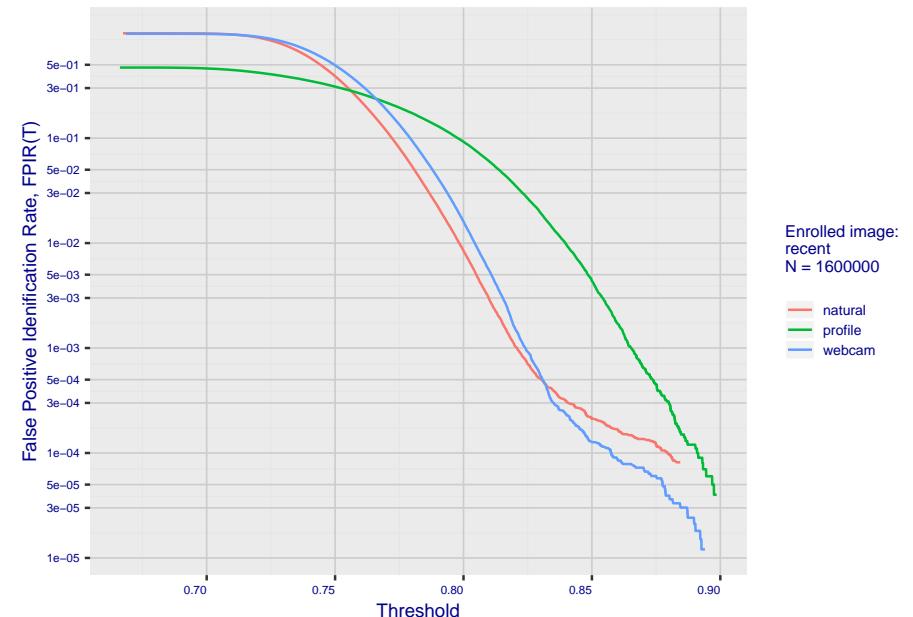
**Fig 5: Dependence on T by number enrolled identities**



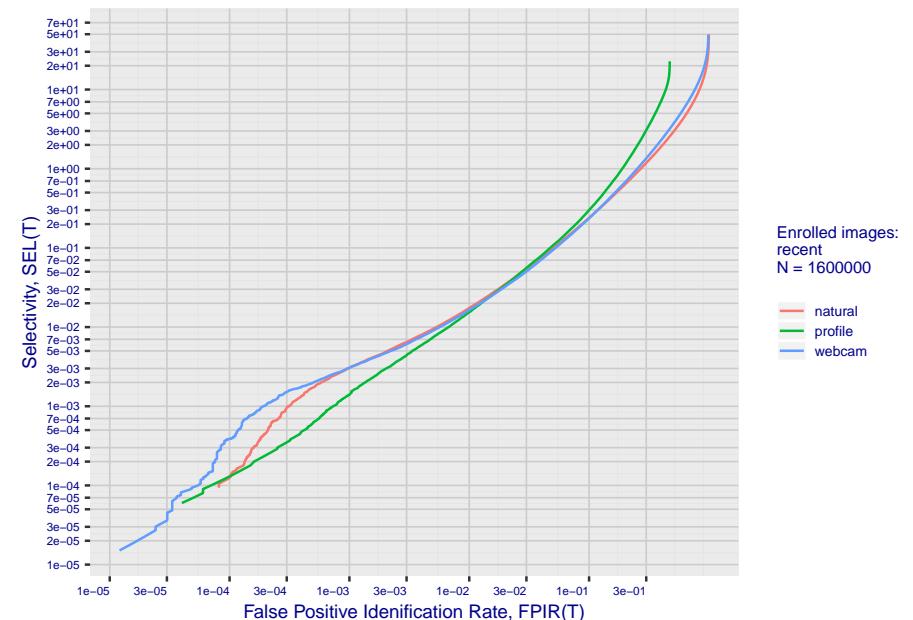
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm isystems\_0 2020-03-20 13:16:50

Fig 10: Template duration; search duration vs. N

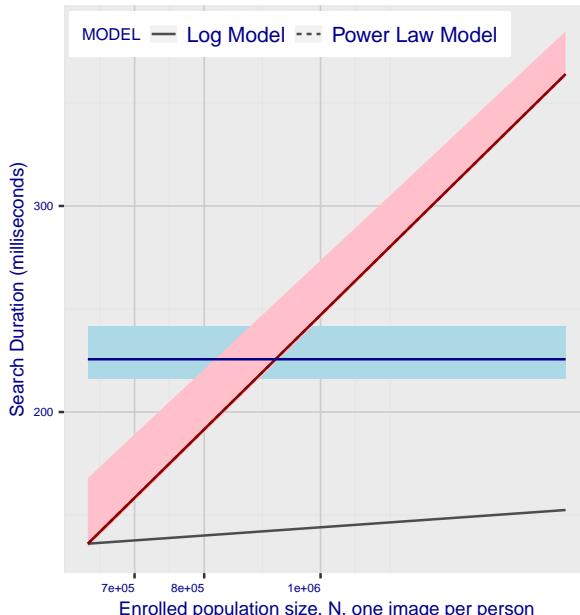
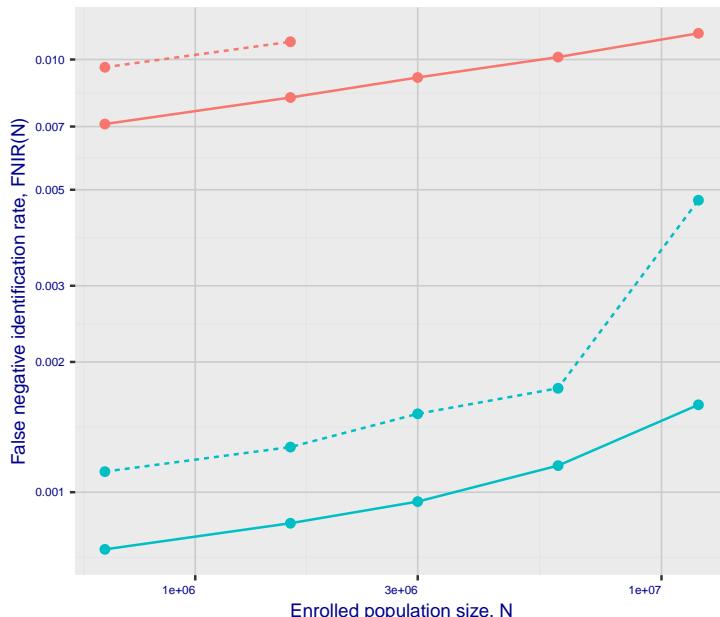


Fig 11: Datasheet

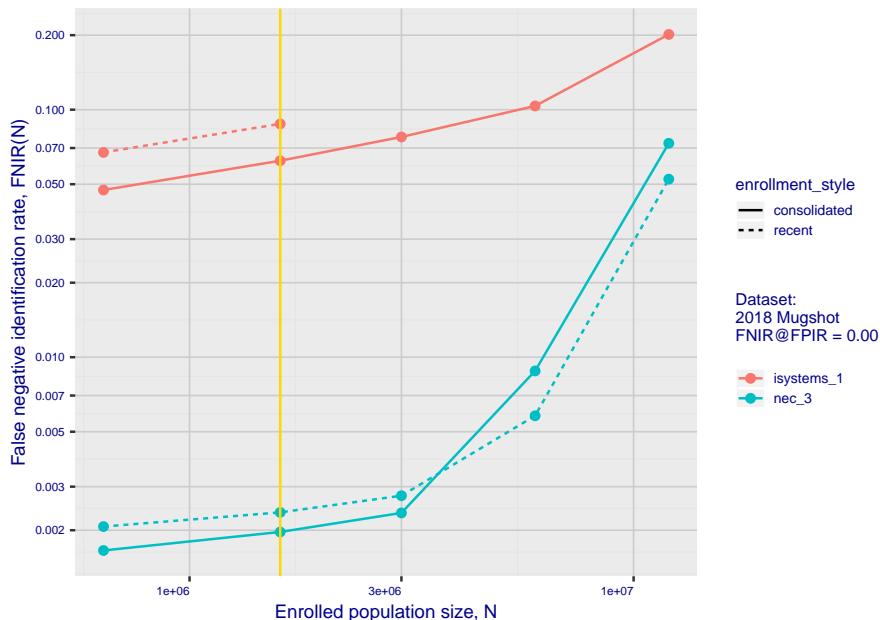
Algorithm:	isystems_0
Developer:	Alivia / Innovation Sys
Submission Date:	2018_02_14
Template size:	2048 bytes
Template time (2.5 percentile):	214 msec
Template time (median):	222 msec
Template time (97.5 percentile):	237 msec
Investigation rank 105 -- FNIR(1600000, 0, 1) = 0.0110 vs. lowest 0.0010 from sensetime_003	
Identification rank 102 -- FNIR(1600000, T, L+1) = 0.0887	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm isystems\_1 2020-03-20 13:16:36

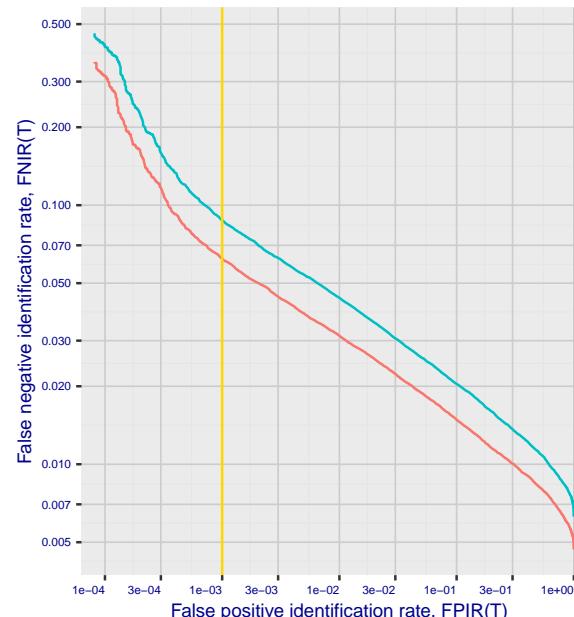
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



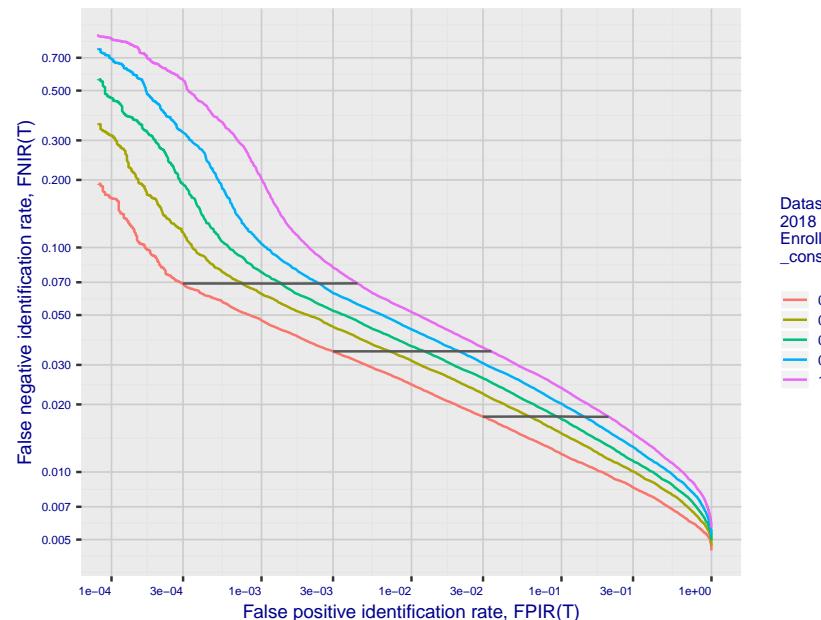
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

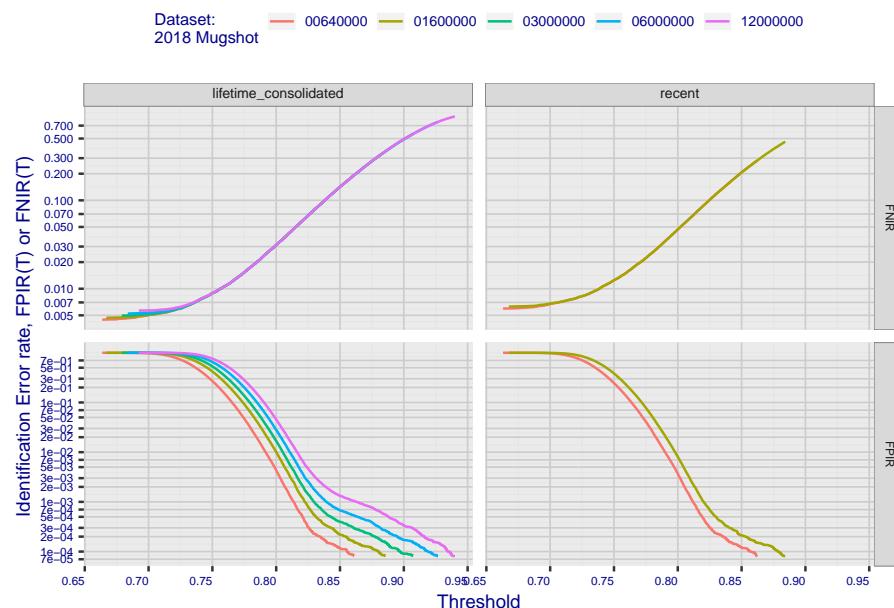


**Fig 4: DET for various N. Links connect points of equal threshold.**

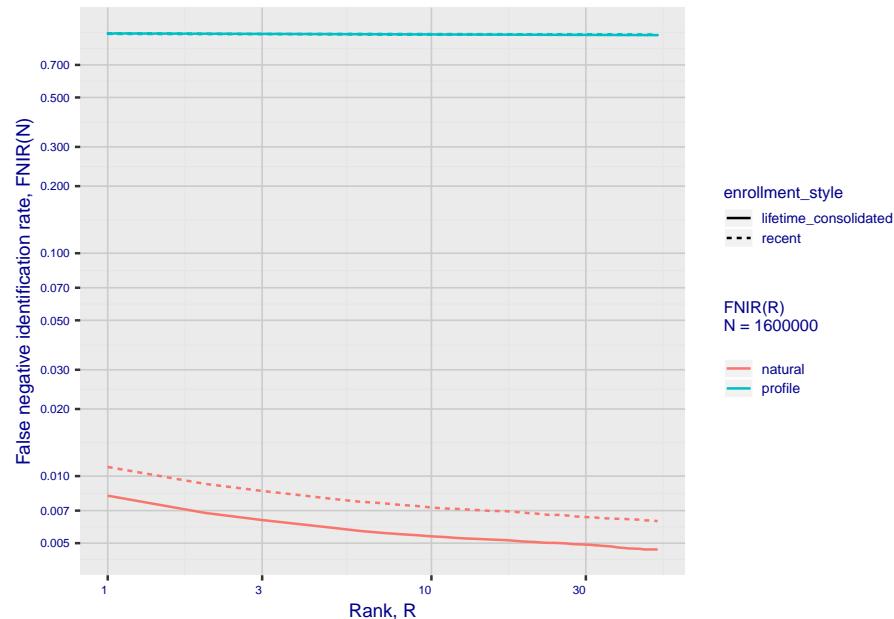


## 2. Report for algorithm isystems\_1 2020-03-20 13:16:36

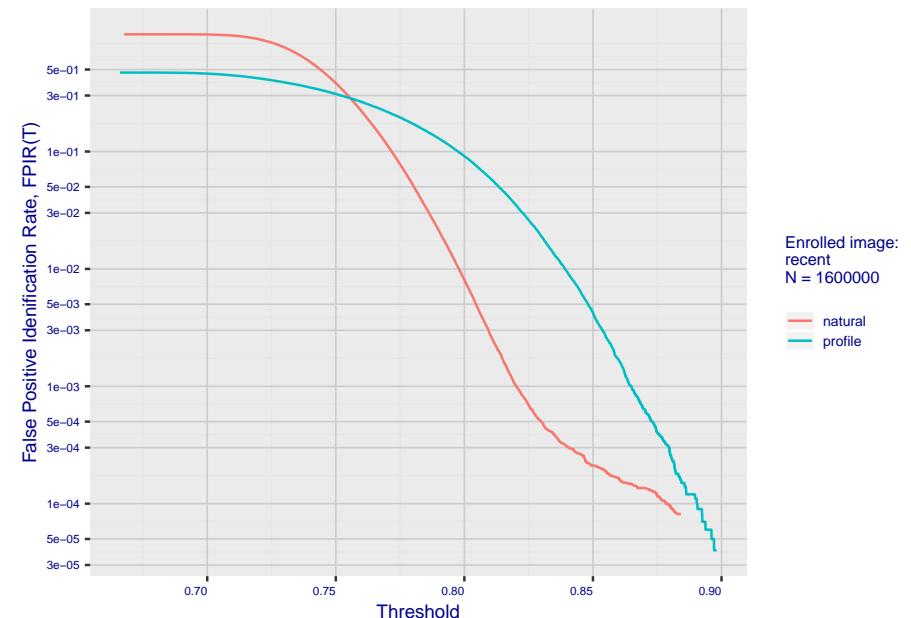
**Fig 5: Dependence on T by number enrolled identities**



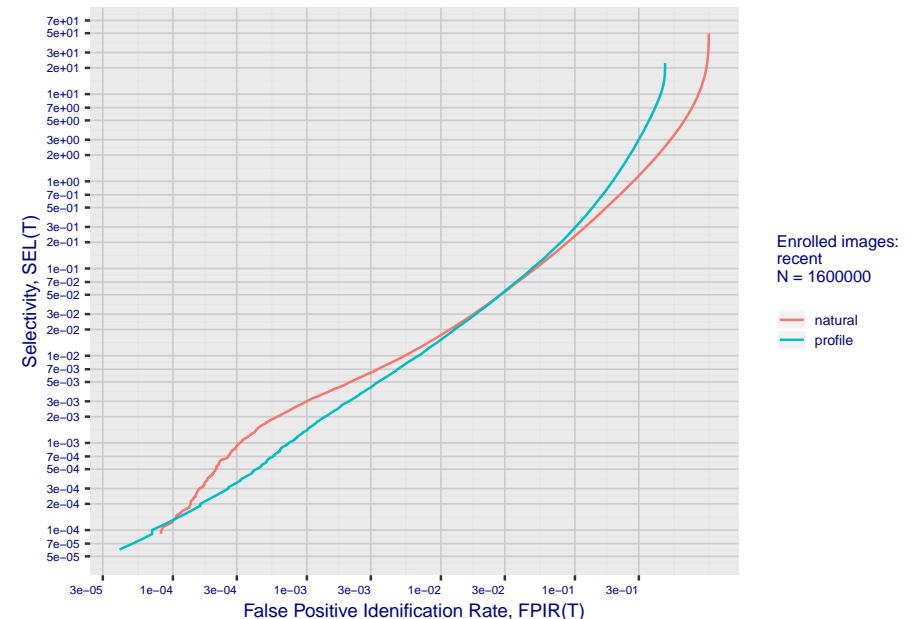
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm isystems\_1 2020-03-20 13:16:36

Fig 10: Template duration; search duration vs. N

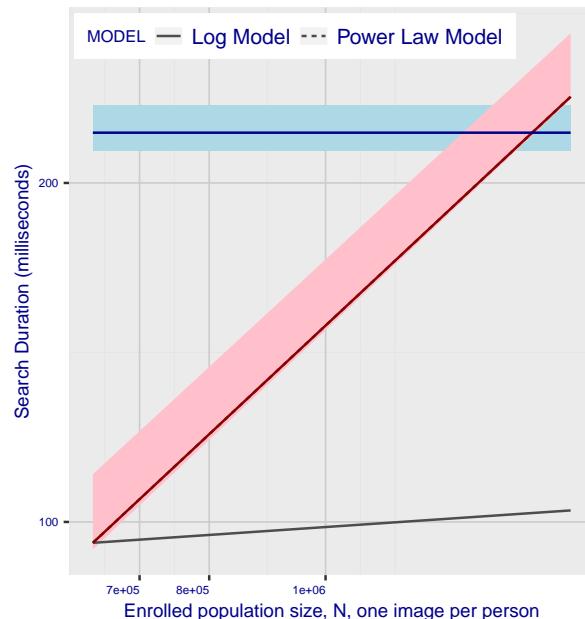
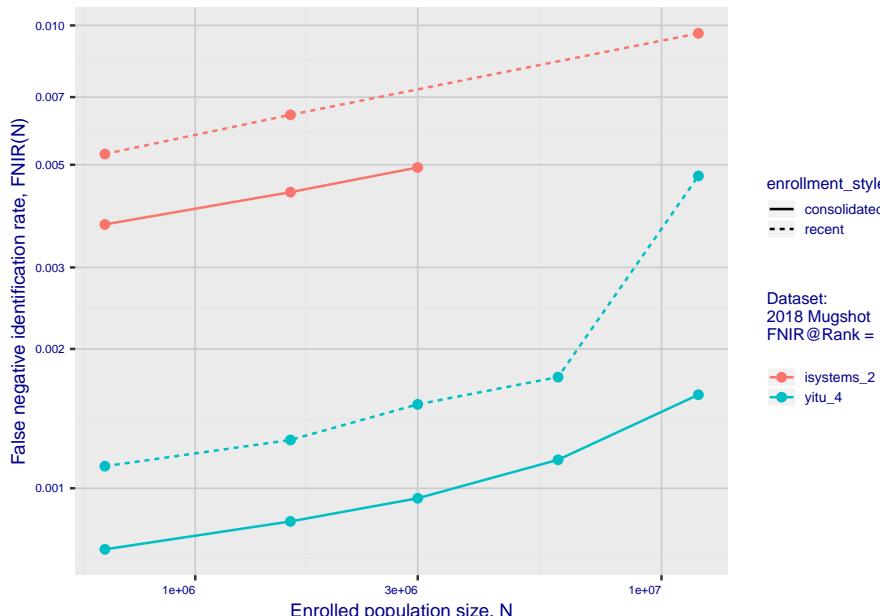


Fig 11: Datasheet

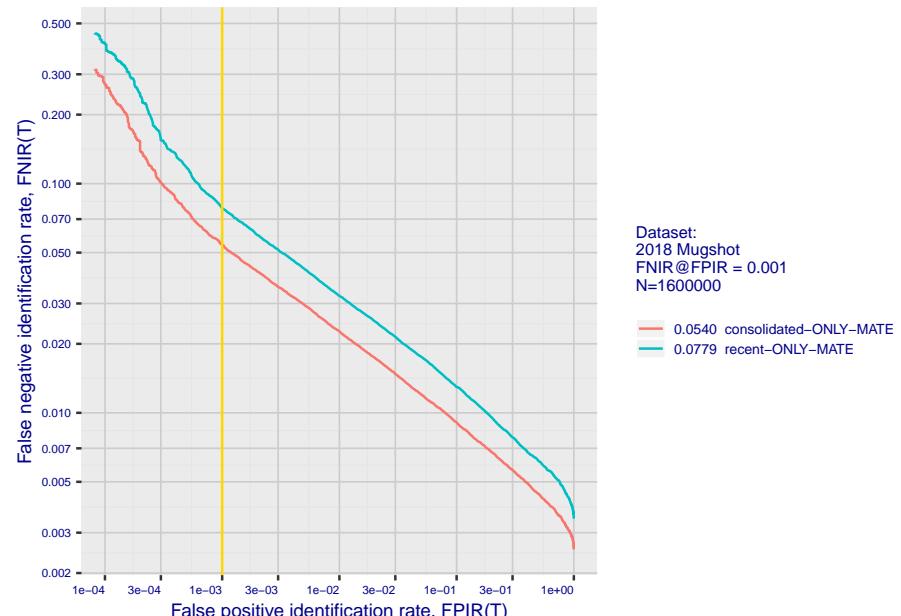
Algorithm:	isystems_1
Developer:	Alivia / Innovation Sys
Submission Date:	2018_02_14
Template size:	1024 bytes
Template time (2.5 percentile):	214 msec
Template time (median):	222 msec
Template time (97.5 percentile):	234 msec
Investigation rank 104 -- FNIR(1600000, 0, 1) = 0.0110 vs. lowest 0.0010 from sensetime_003	
Identification rank 97 -- FNIR(1600000, T, L+1) = 0.0876	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

## 1. Report for algorithm isystems\_2 2020-03-20 13:18:27

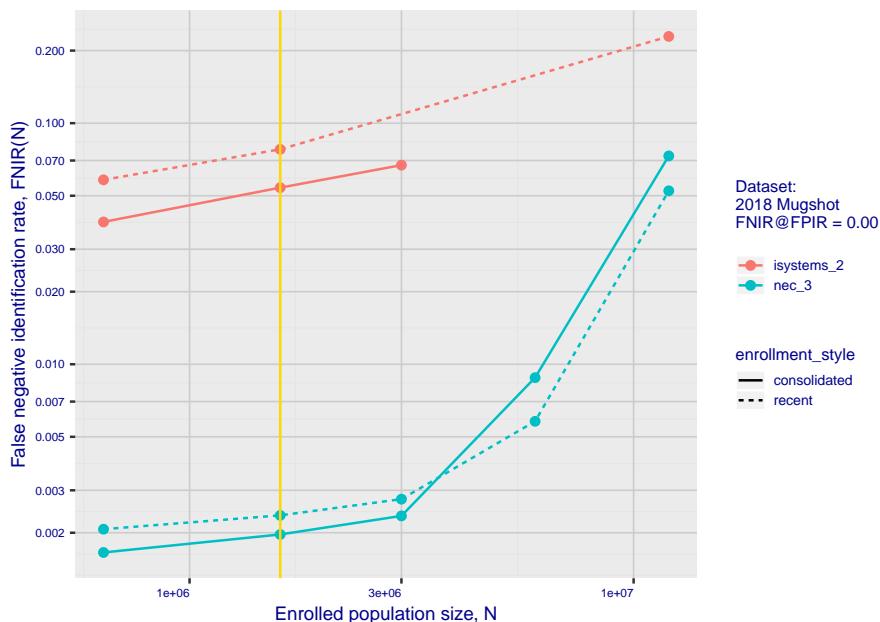
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



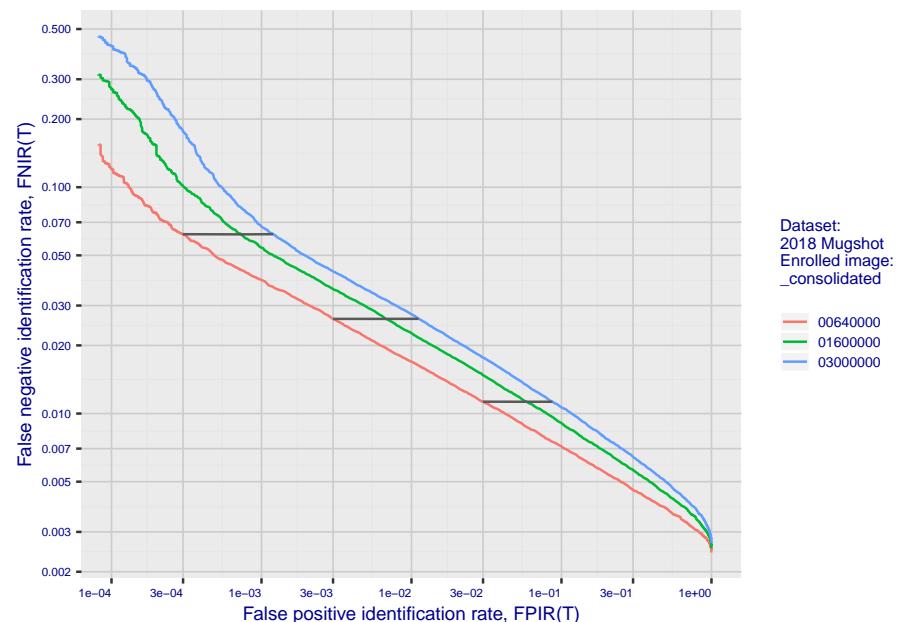
**Fig 2: DETs by enrollment type**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

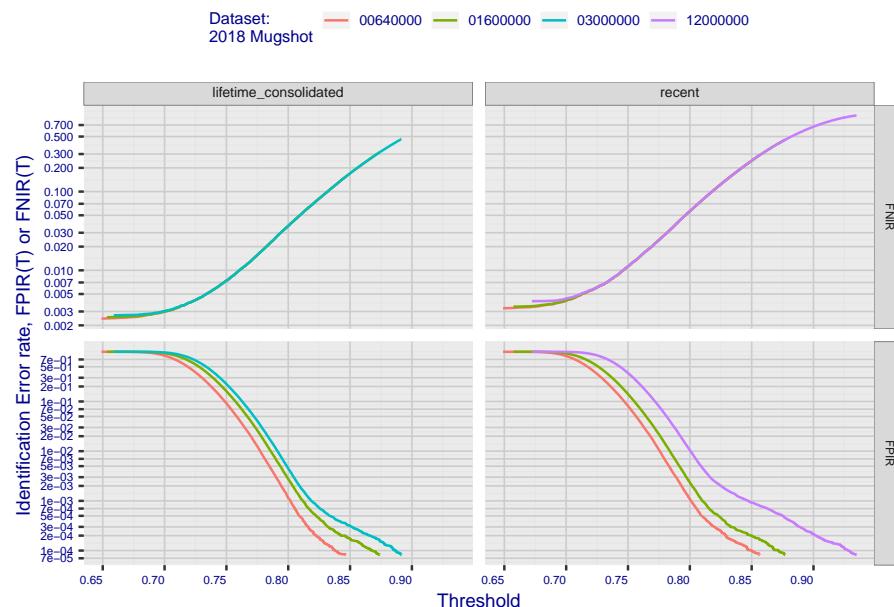


**Fig 4: DET for various N. Links connect points of equal threshold.**

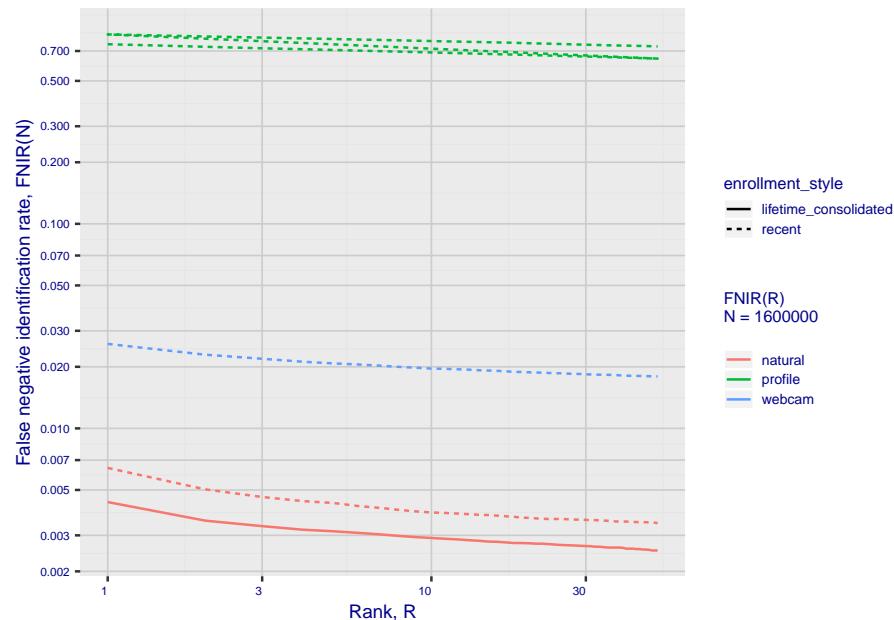


## 2. Report for algorithm isystems\_2 2020-03-20 13:18:27

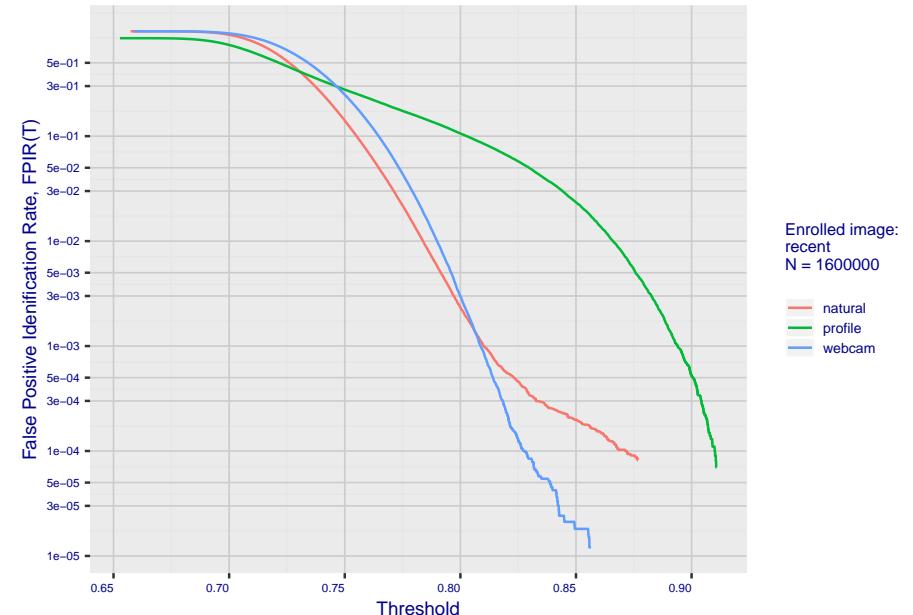
**Fig 5: Dependence on T by number enrolled identities**



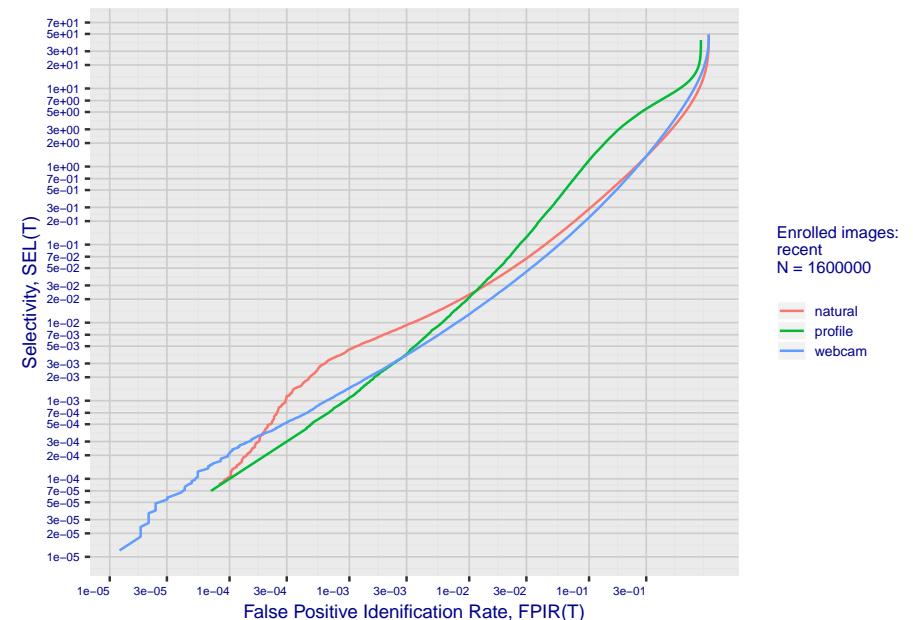
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

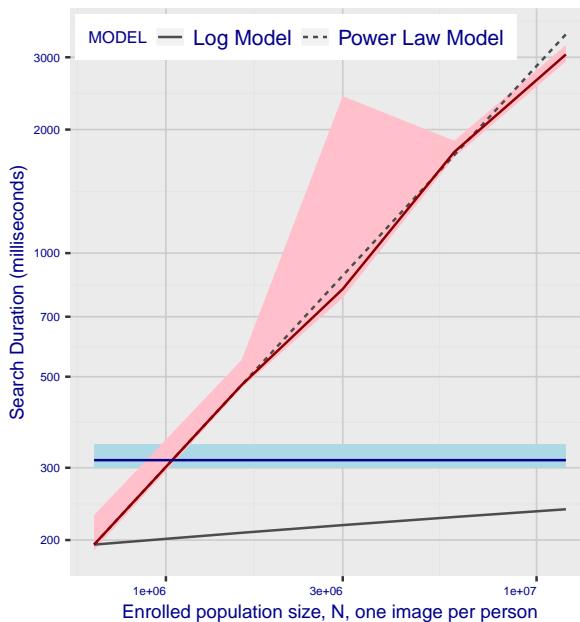


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm isystems\_2 2020-03-20 13:18:27

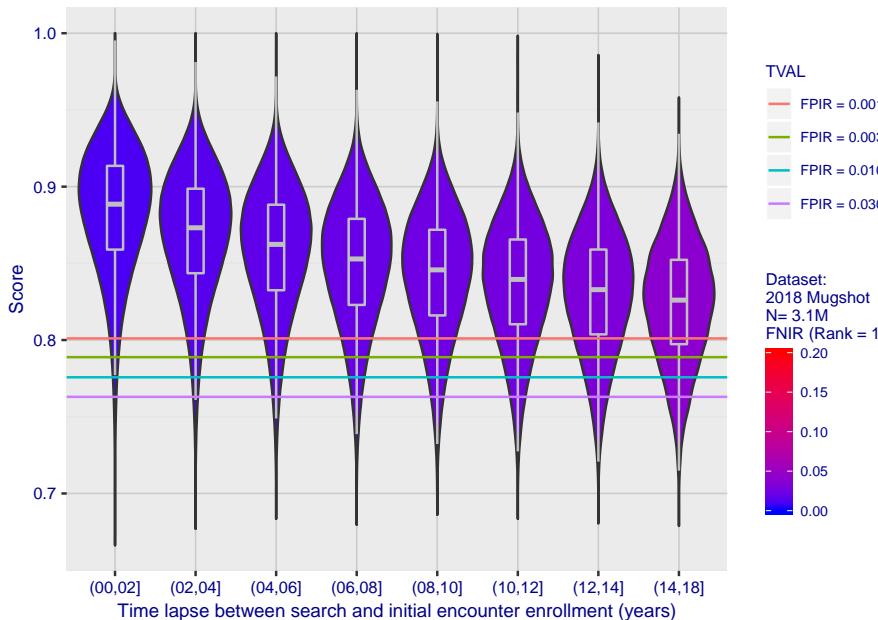
**Fig 10: Template duration; search duration vs. N**



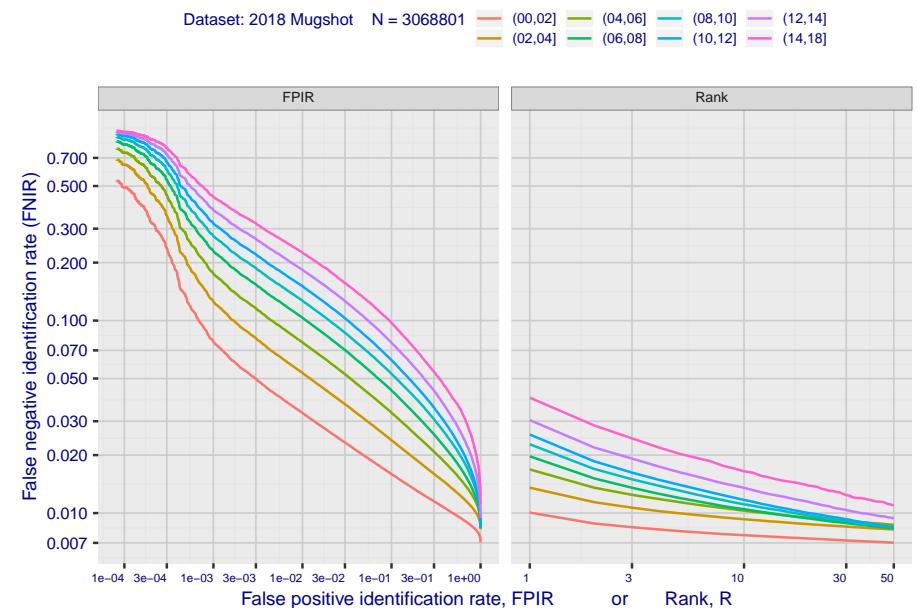
**Fig 11: Datasheet**

Algorithm: isystems_2
Developer: Alivia / Innovation Sys
Submission Date: 2018_06_25
Template size: 2048 bytes
Template time (2.5 percentile): 300 msec
Template time (median): 313 msec
Template time (97.5 percentile): 343 msec
Investigation rank 71 --- FNIR(1600000, 0, 1) = 0.0064 vs. lowest 0.0010 from sensetime_003
Identification rank 89 --- FNIR(1600000, T, L+1) = 0.0779
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

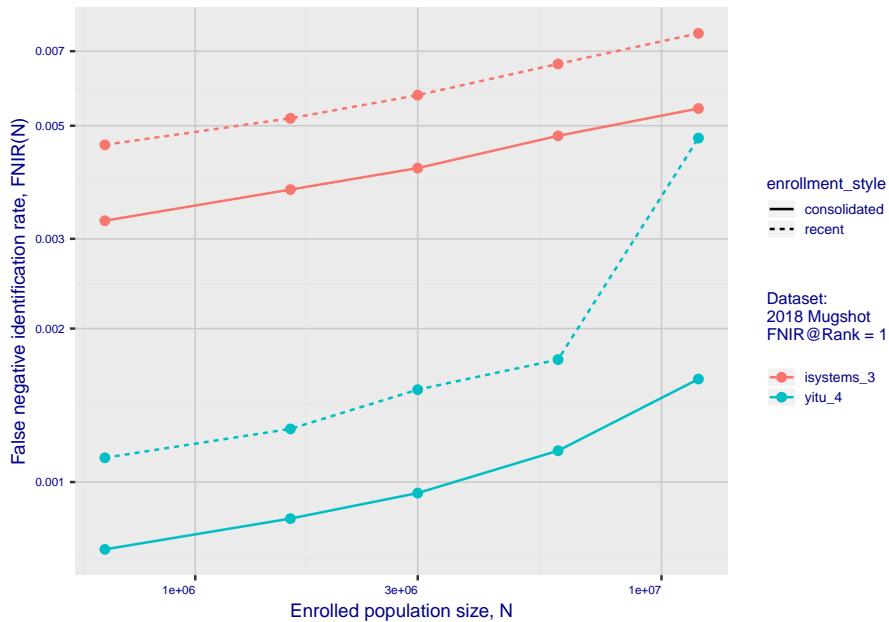


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

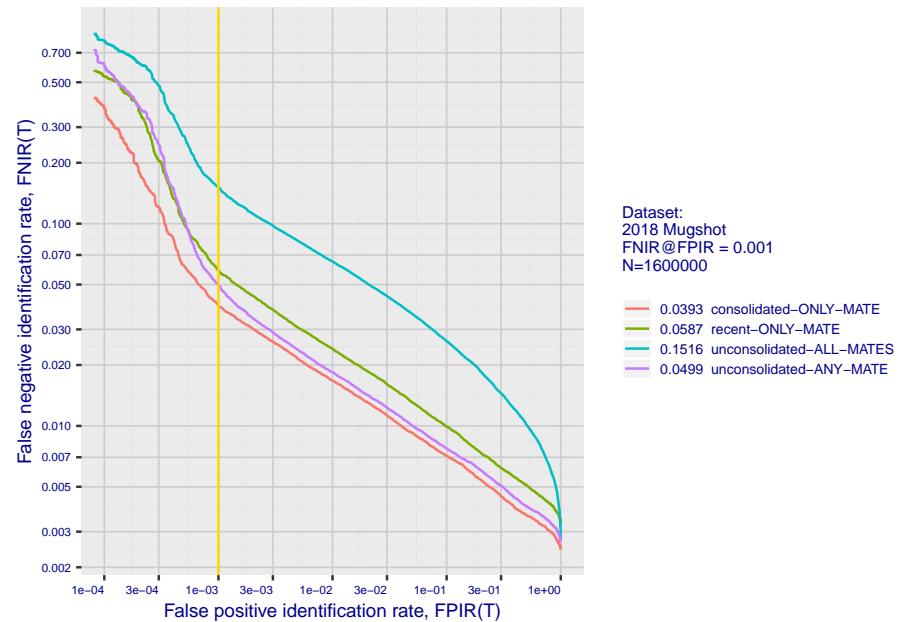


# 1. Report for algorithm isystems\_3 2020-03-20 13:22:22

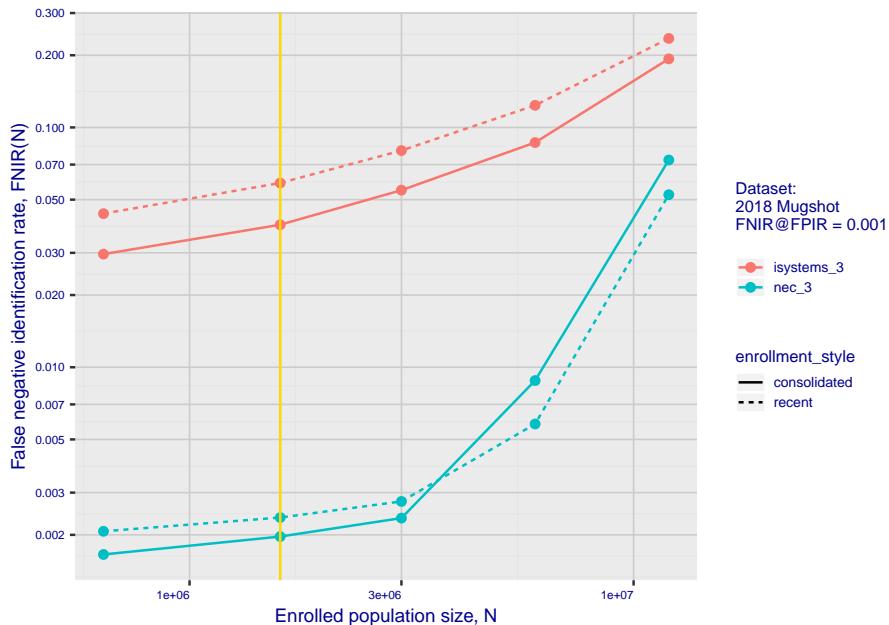
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



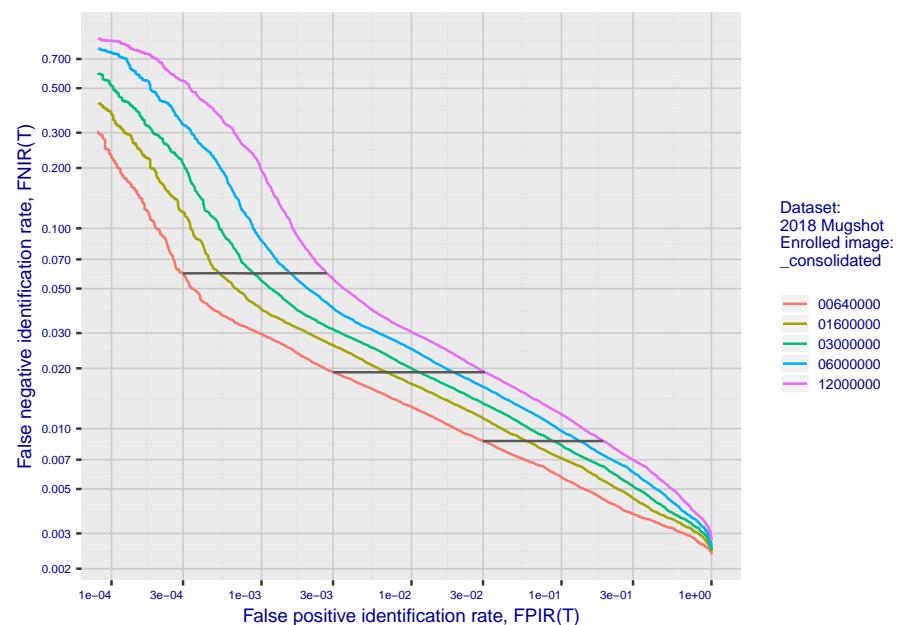
**Fig 2: DETs by enrollment type**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

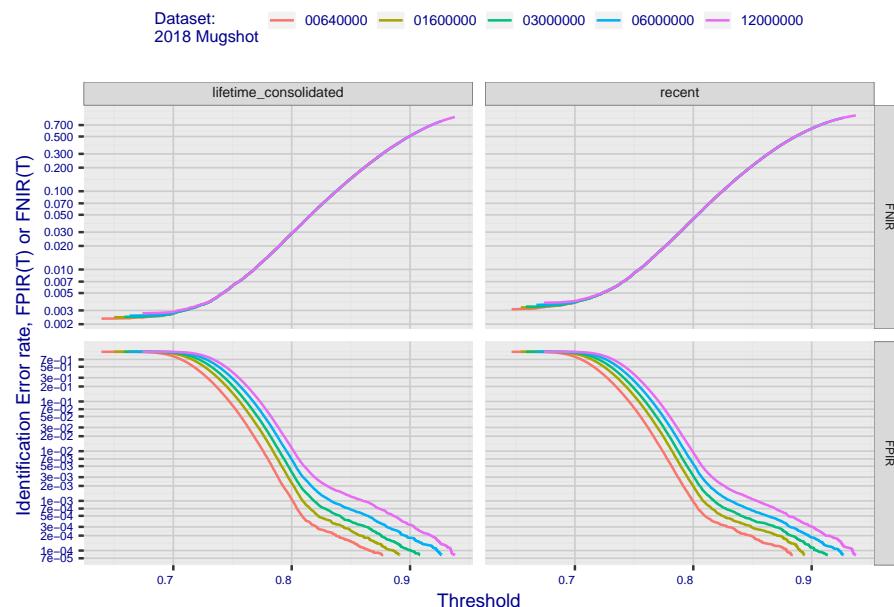


**Fig 4: DET for various N. Links connect points of equal threshold.**

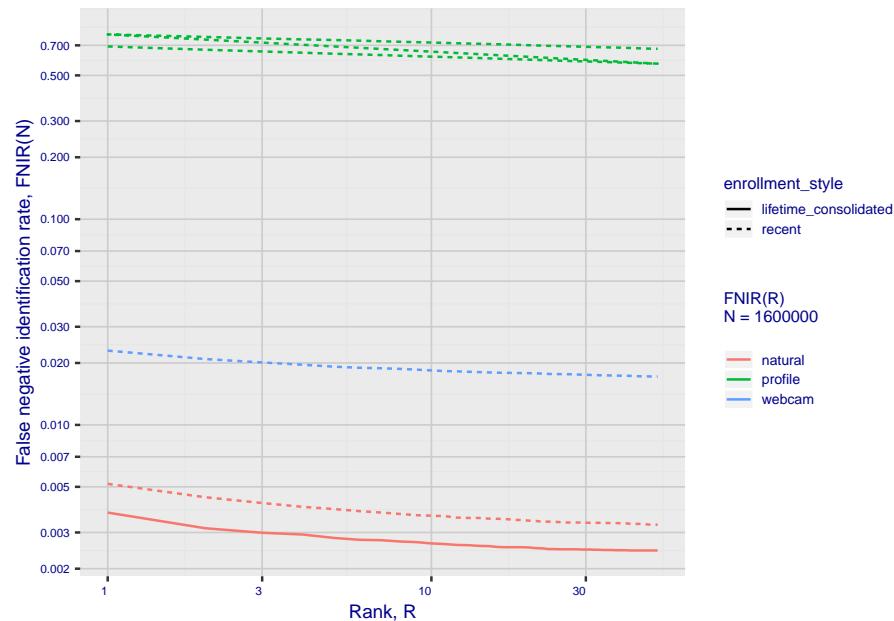


## 2. Report for algorithm isystems\_3 2020-03-20 13:22:22

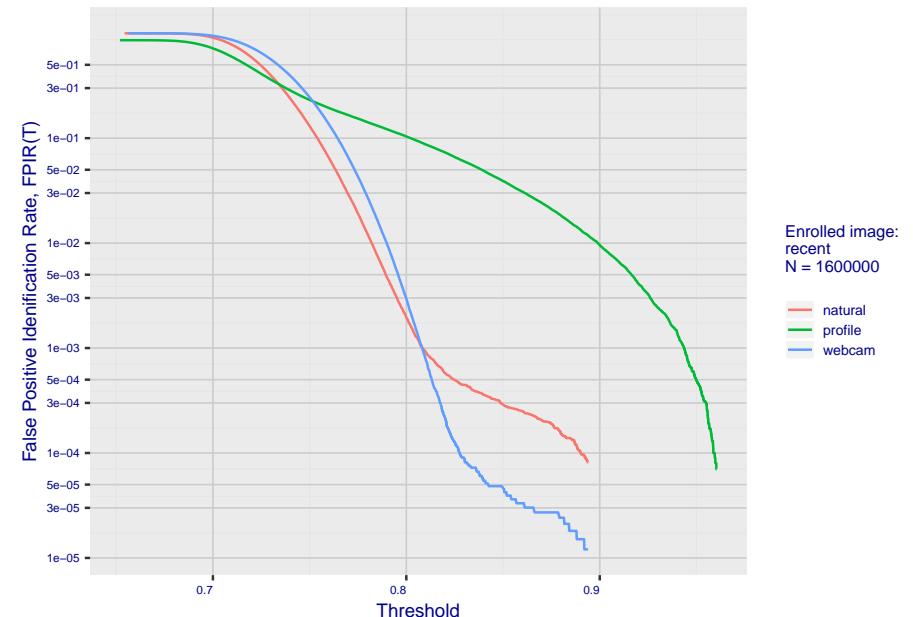
**Fig 5: Dependence on T by number enrolled identities**



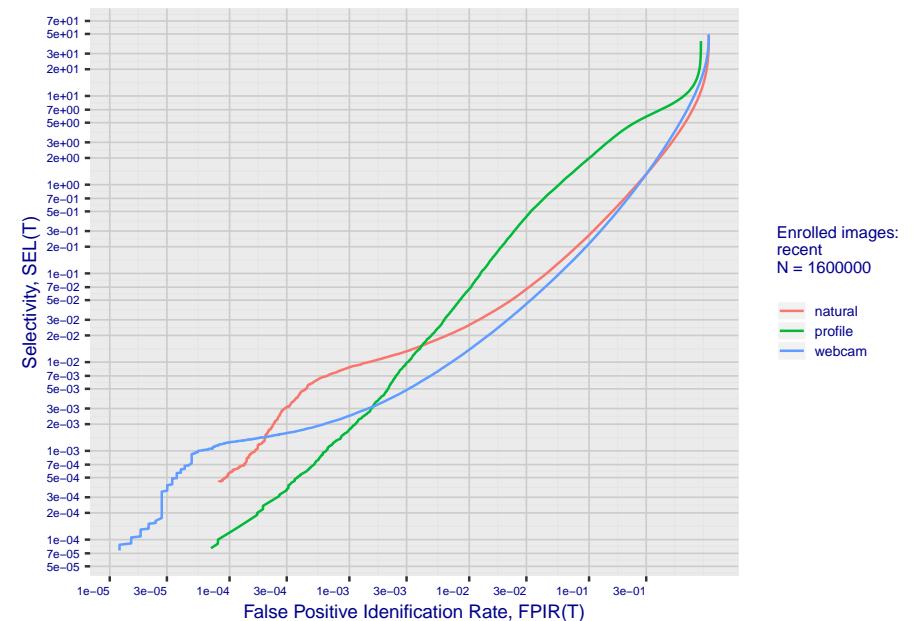
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

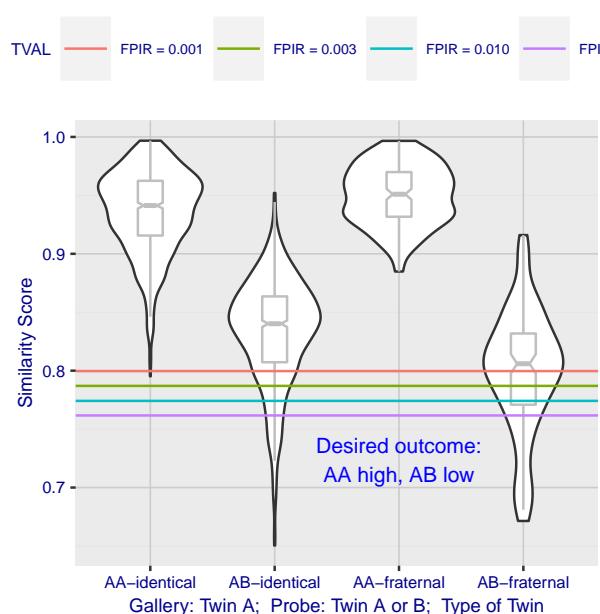


**Fig 8: FPIR vs. Selectivity**

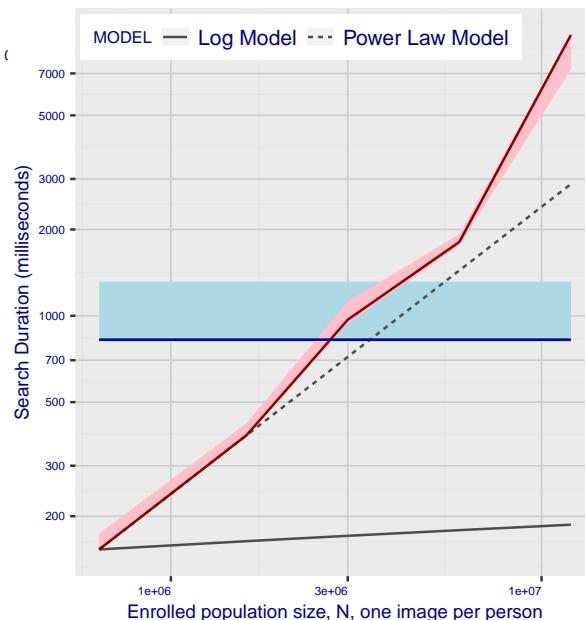


### 3. Report for algorithm `isystems_3` 2020-03-20 13:22:22

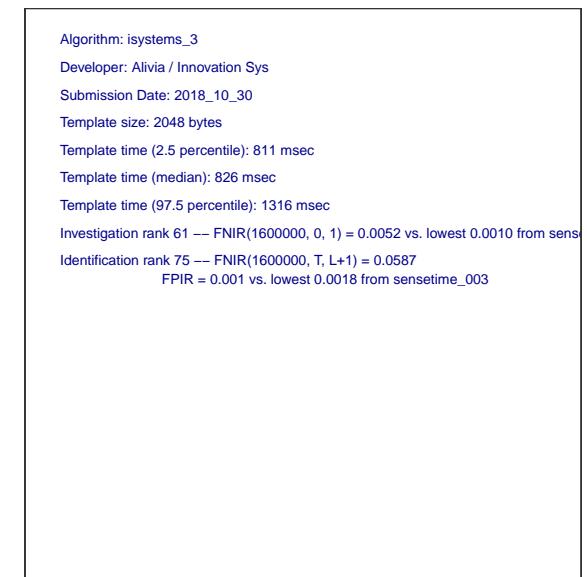
**Fig 9: Solo-Twin and Twin-Twin similarity scores**



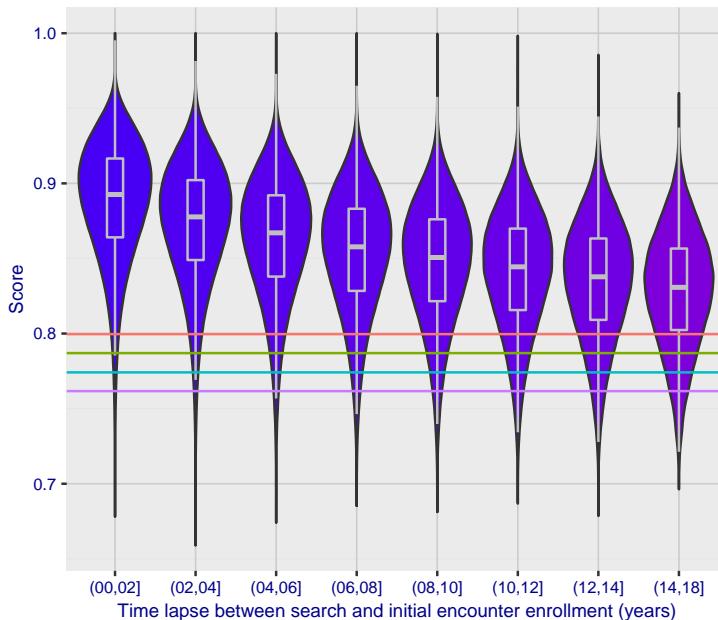
**Fig 10: Template duration; search duration vs. N**



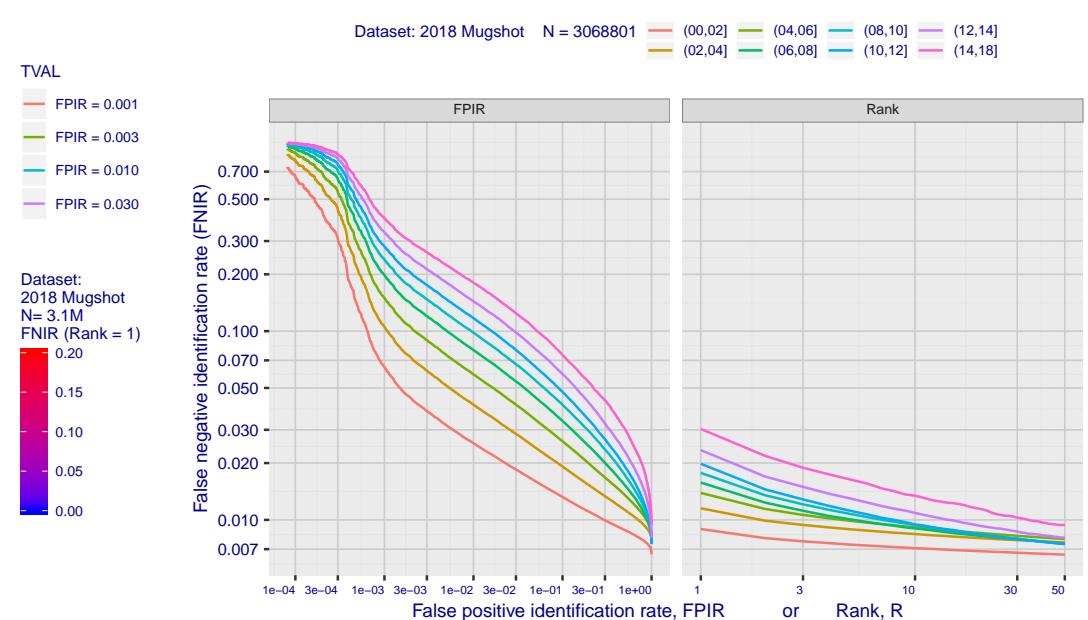
**Fig 11: Datasheet**



**Fig 12: Decline of genuine scores with ageing**

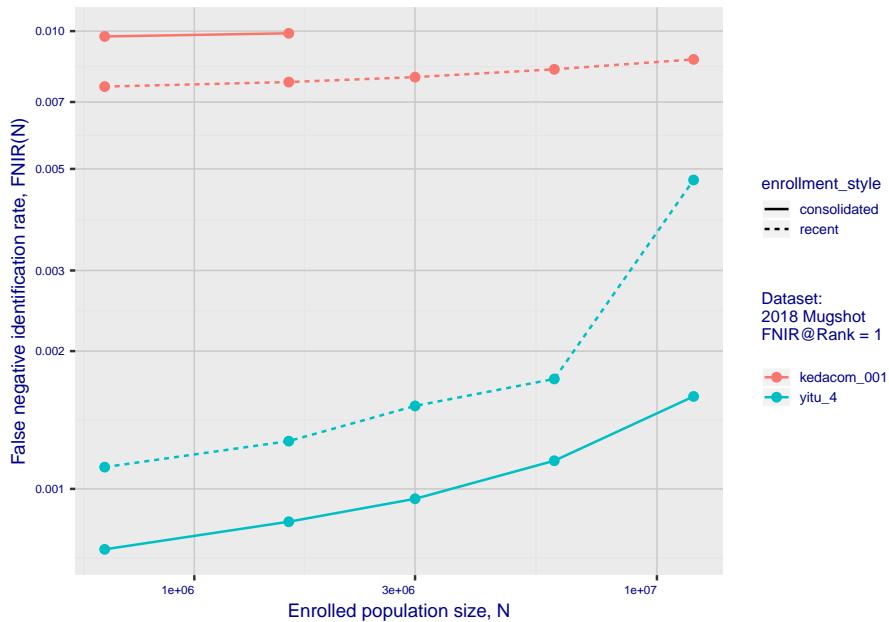


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

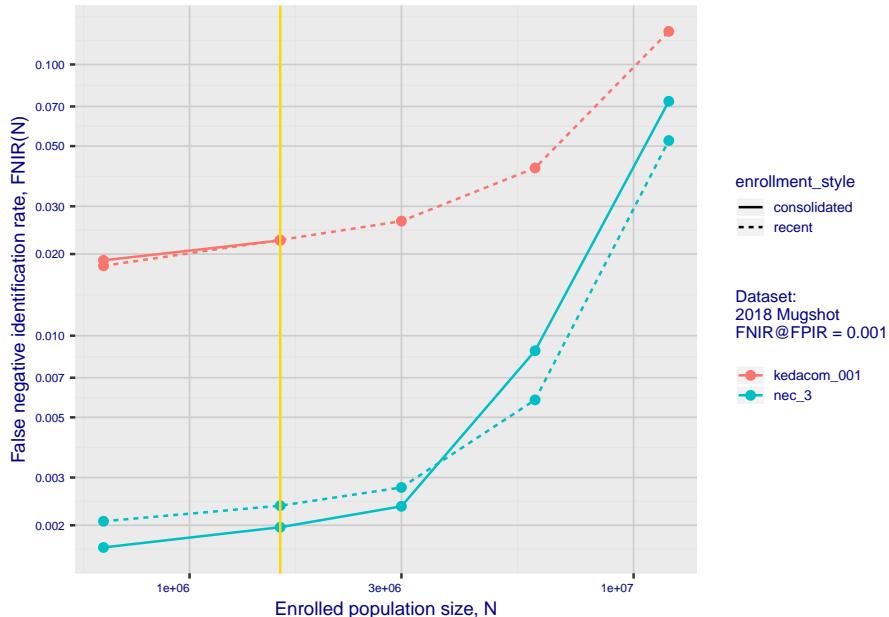


# 1. Report for algorithm kedacom\_001 2020-03-20 13:16:52

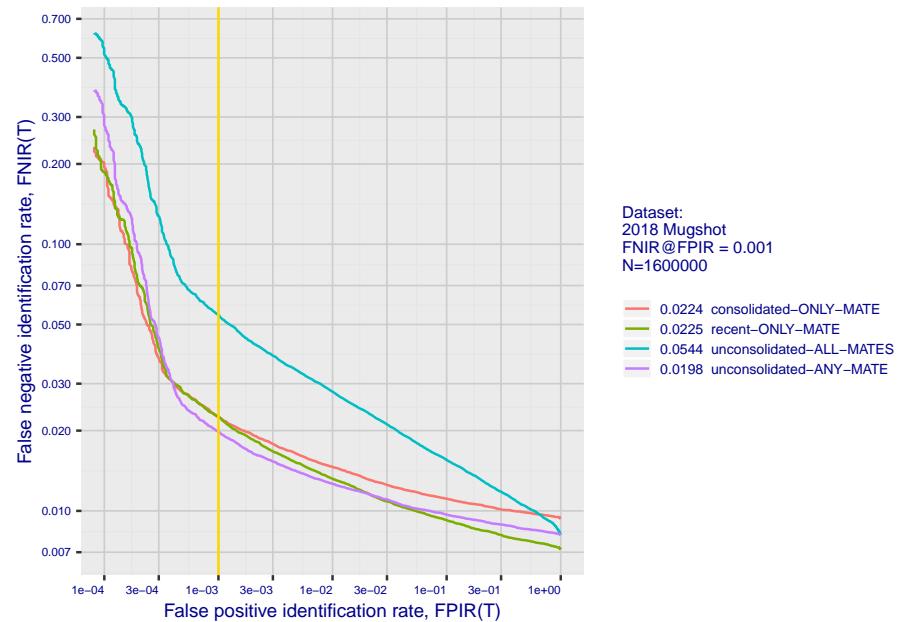
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



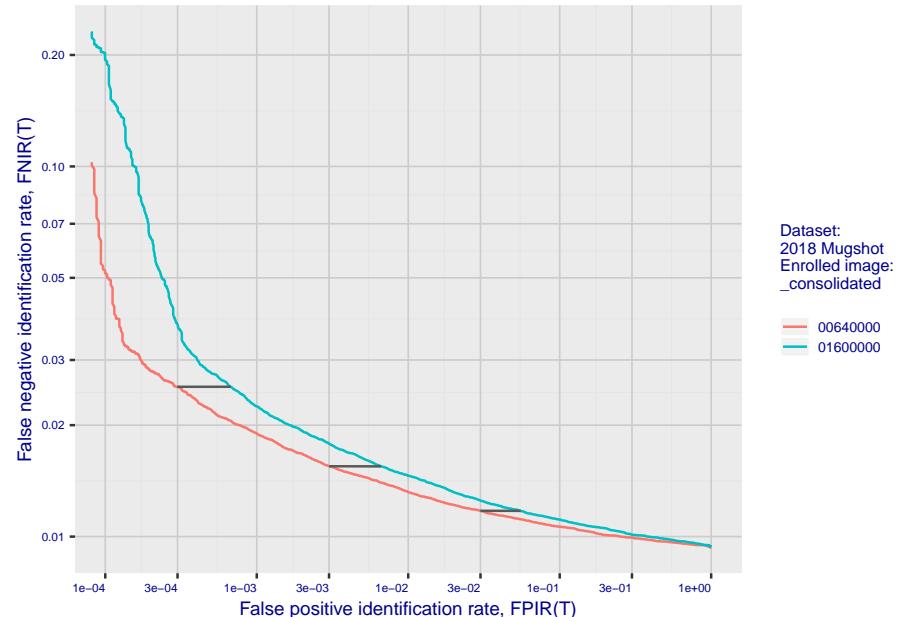
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

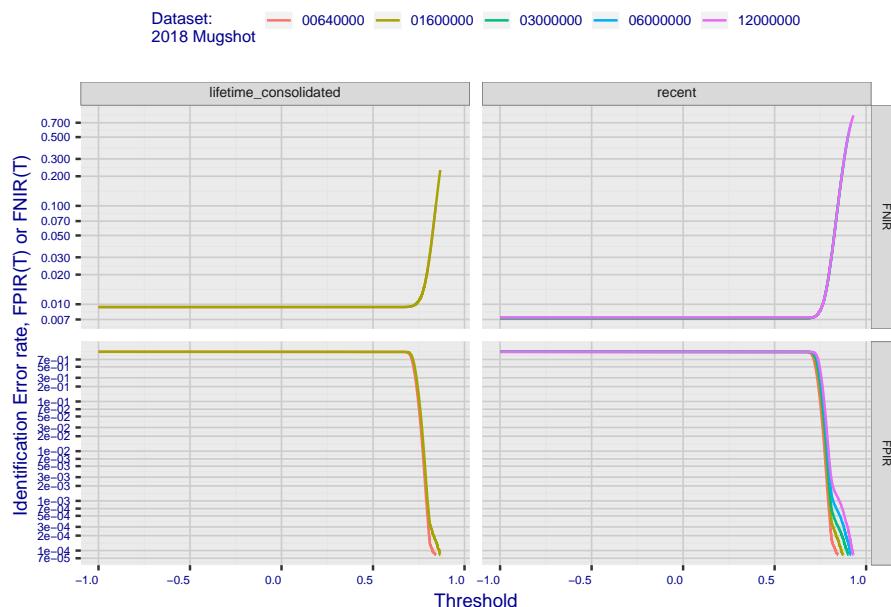


**Fig 4: DET for various N. Links connect points of equal threshold.**

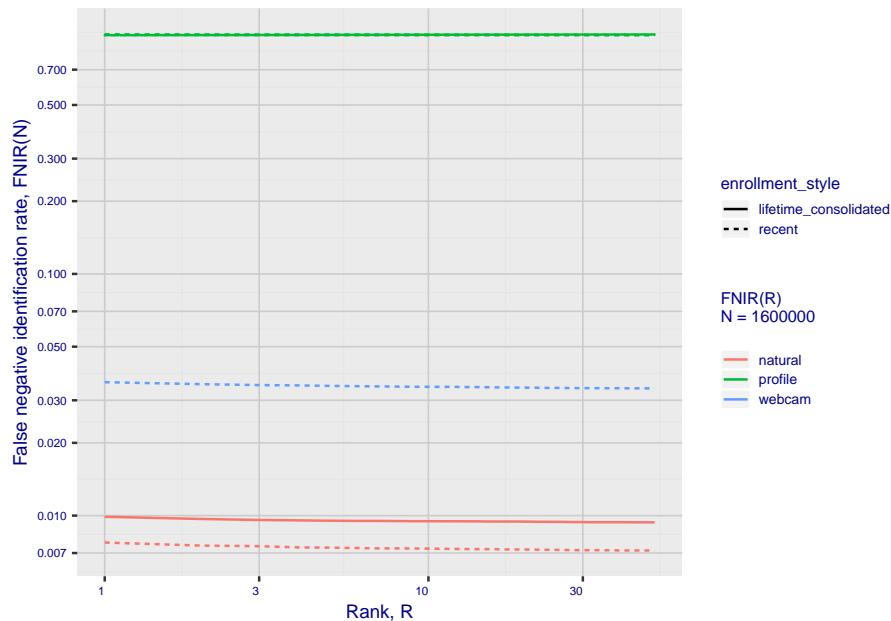


## 2. Report for algorithm kedacom\_001 2020-03-20 13:16:52

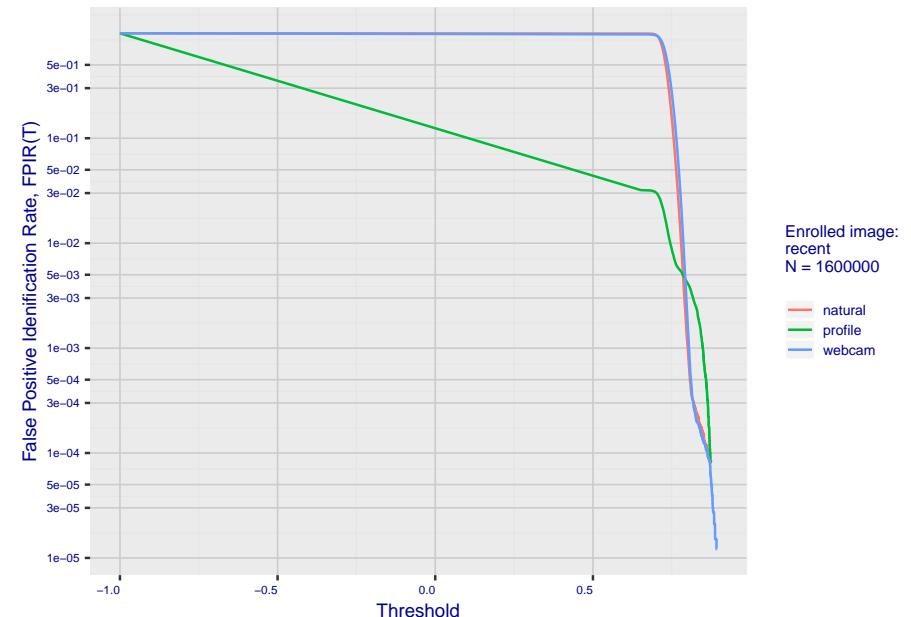
**Fig 5: Dependence on T by number enrolled identities**



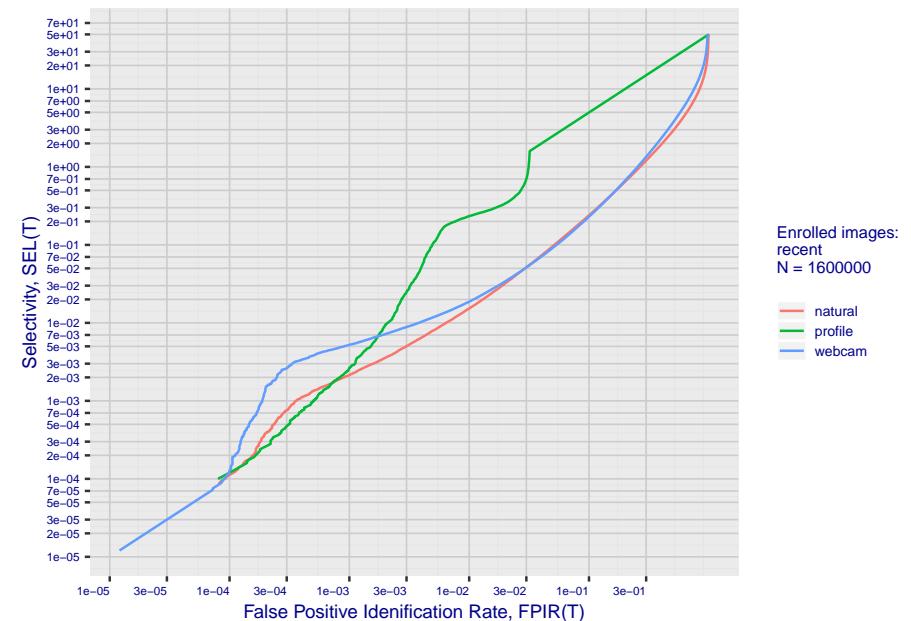
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm kedacom\_001 2020-03-20 13:16:52

Fig 10: Template duration; search duration vs. N

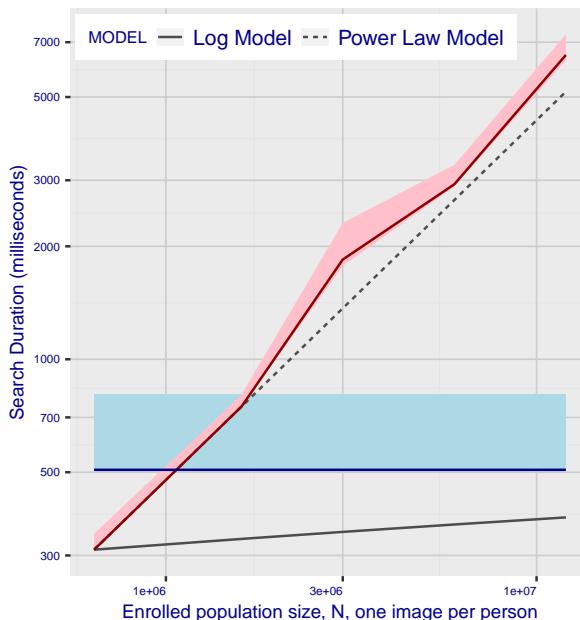
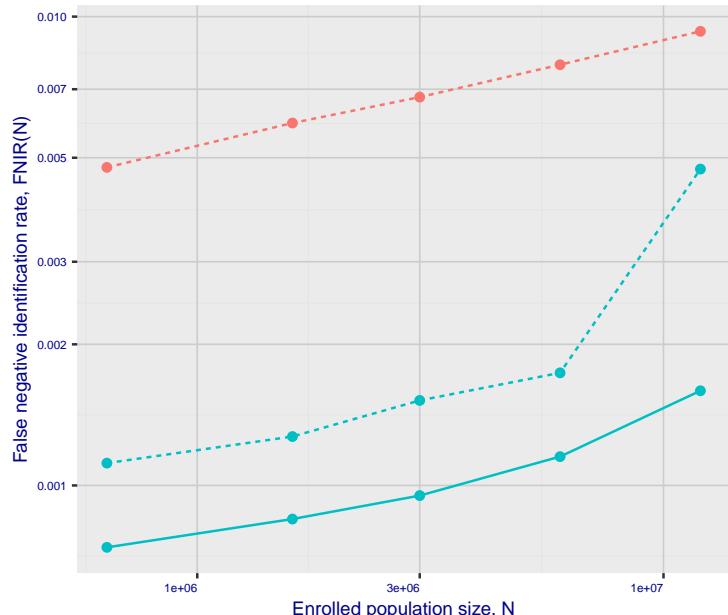


Fig 11: Datasheet

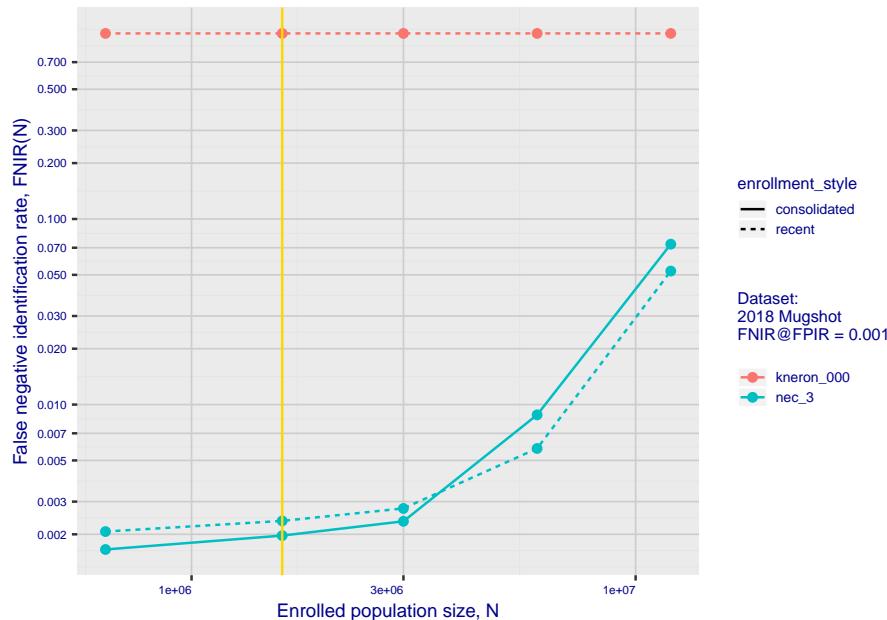
Algorithm:	kedacom_001
Developer:	Kedacom International Pte
Submission Date:	2019_09_16
Template size:	292 bytes
Template time (2.5 percentile):	504 msec
Template time (median):	507 msec
Template time (97.5 percentile):	808 msec
Investigation rank 81 -- FNIR(1600000, 0, 1) = 0.0077 vs. lowest 0.0010 from sensetime_003	
Identification rank 22 -- FNIR(1600000, T, L+1) = 0.0225	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm kneron\_000 2020-03-20 13:16:35

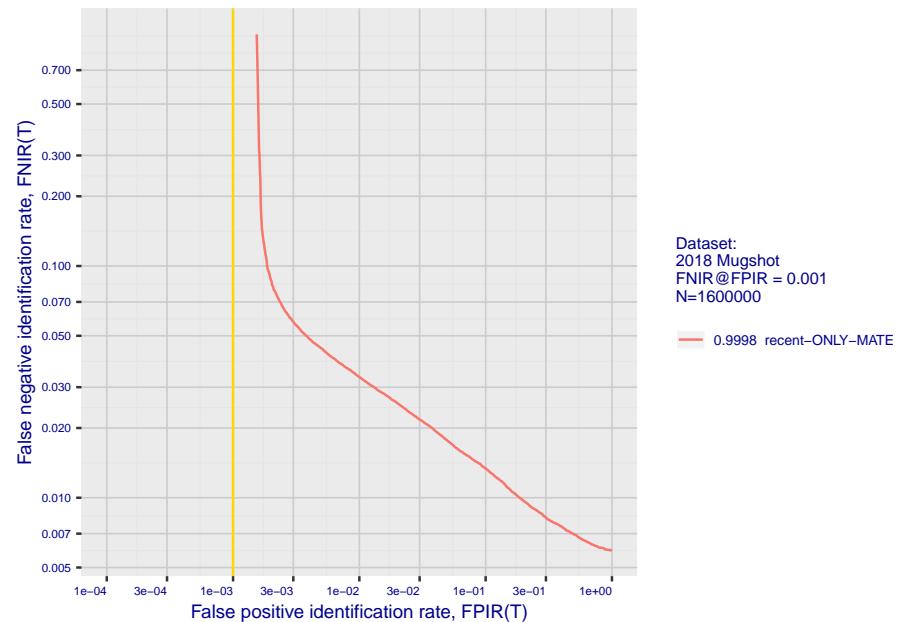
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

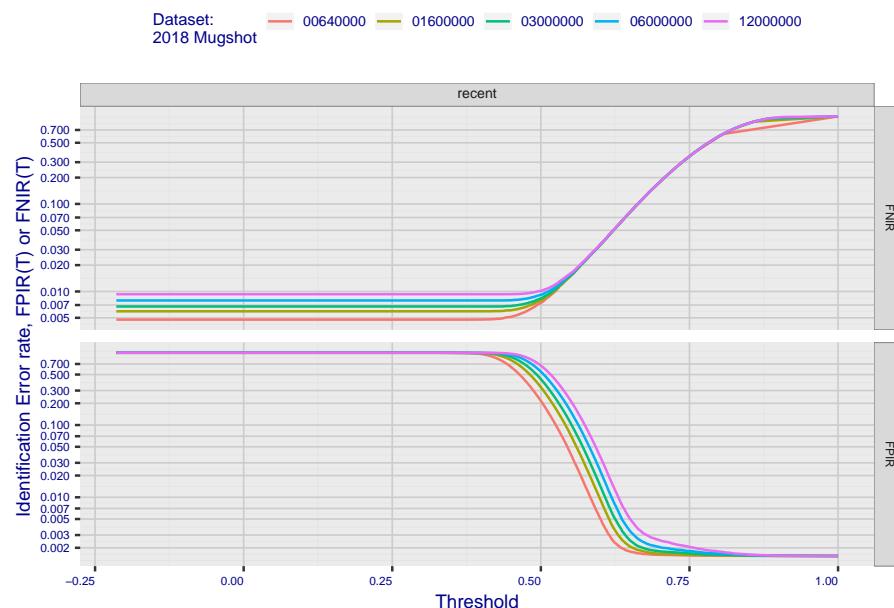


**Fig 2: DETs by enrollment type**

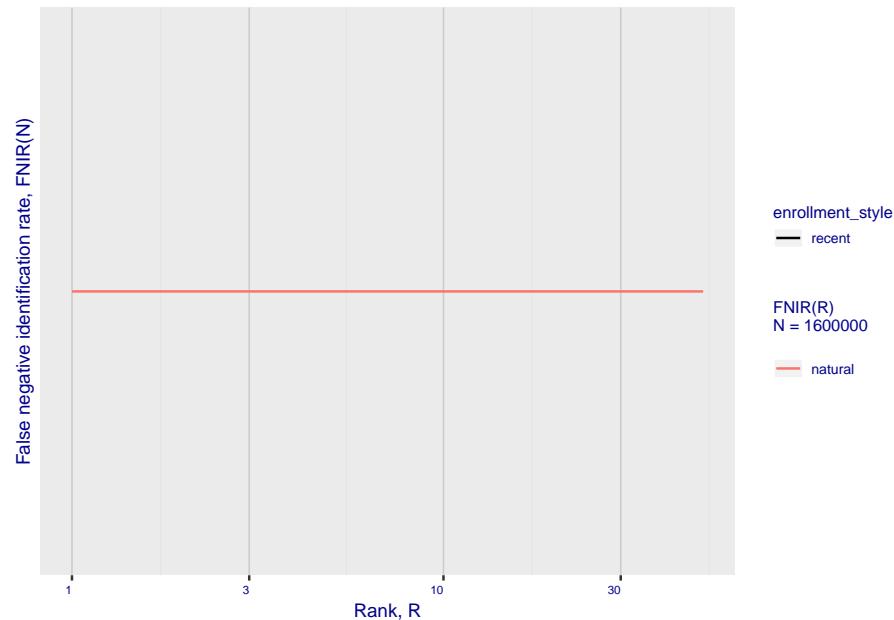


## 2. Report for algorithm kneron\_000 2020-03-20 13:16:35

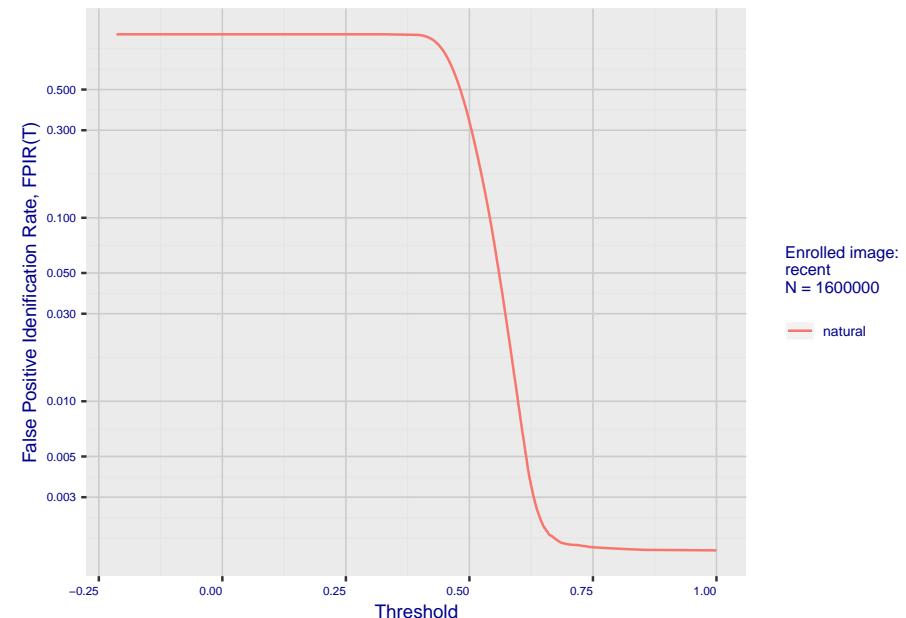
**Fig 5: Dependence on T by number enrolled identities**



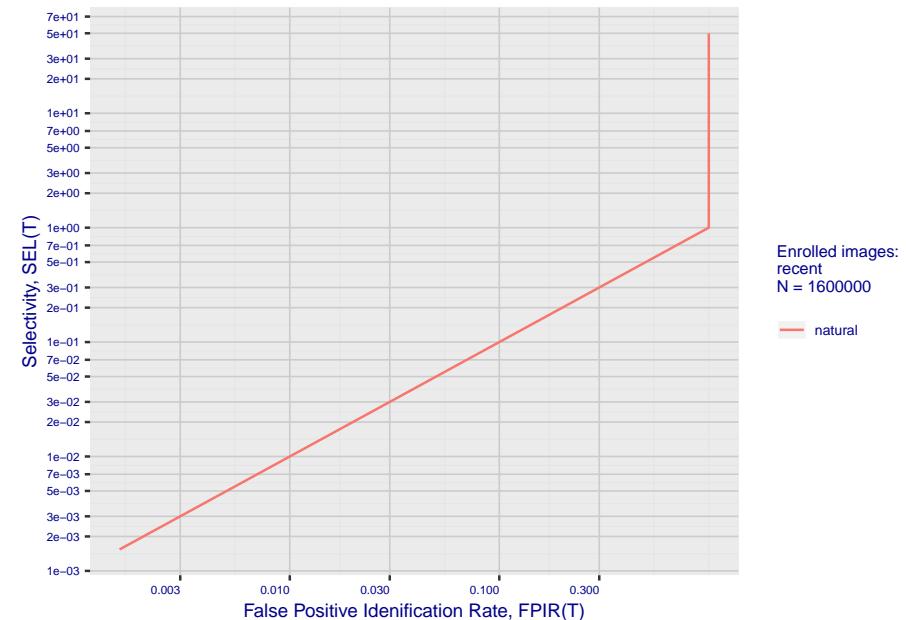
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

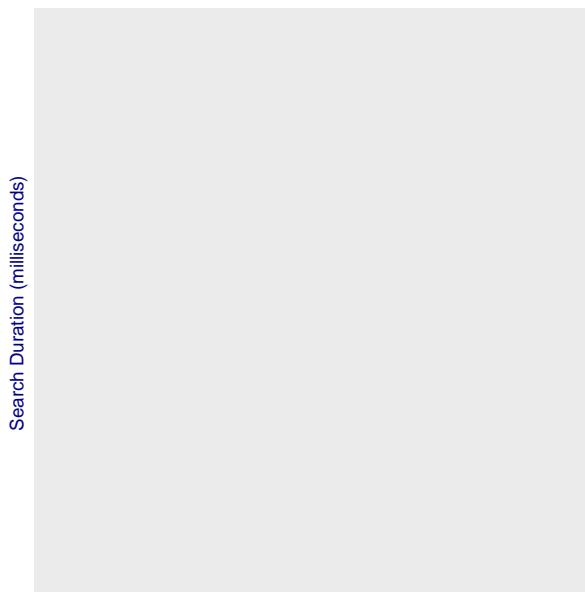


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm kneron\_000 2020-03-20 13:16:35

**Fig 10: Template duration; search duration vs. N**

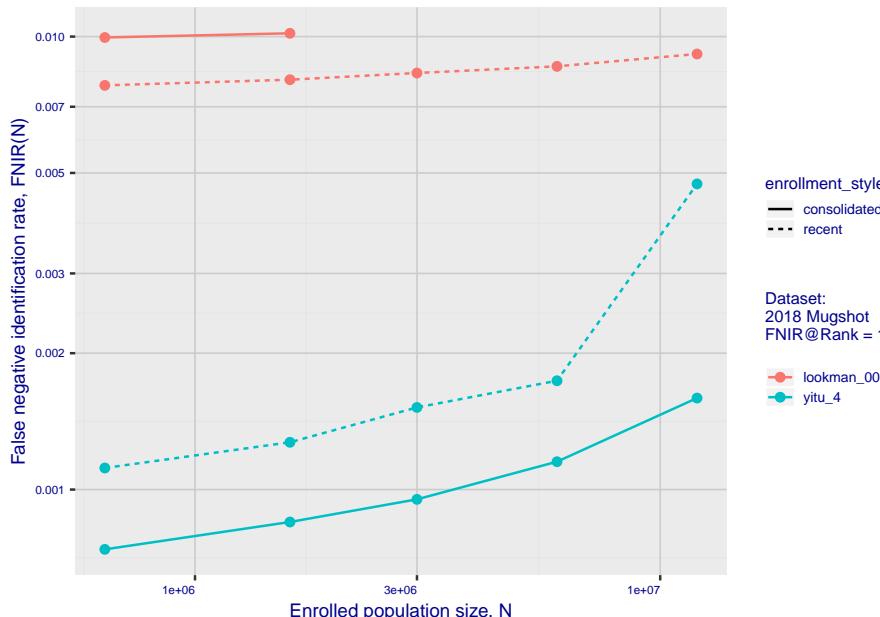


**Fig 11: Datasheet**

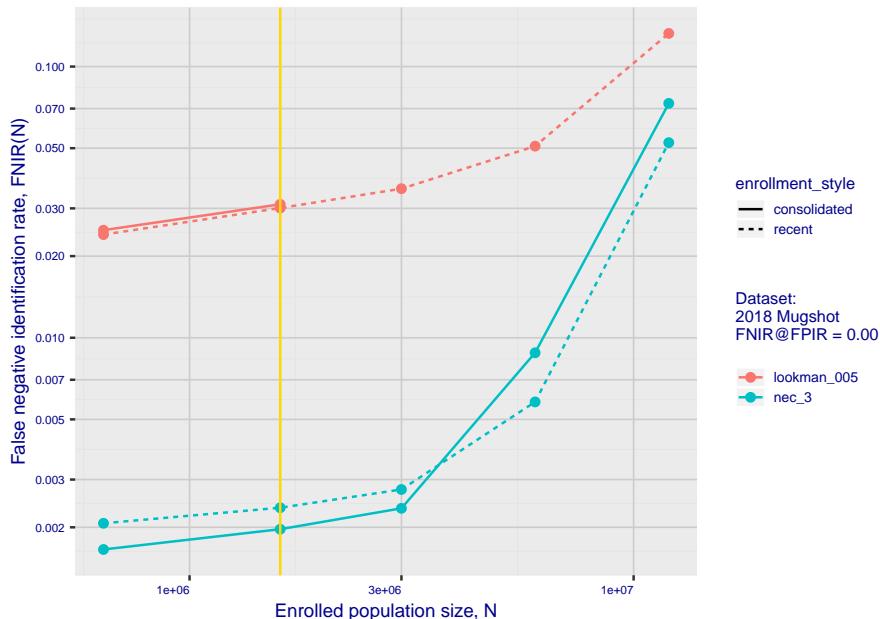
Algorithm: kneron\_000  
Developer: kneron  
Submission Date: Kneron  
Investigation rank 66 -- FNIR(1600000, 0, 1) = 0.0059 vs. lowest 0.0010 from sens  
Identification rank 235 -- FNIR(1600000, T, L+1) = 0.9998  
FPIR = 0.001 vs. lowest 0.0018 from sensetime\_003

# 1. Report for algorithm lookman\_005 2020-03-20 13:16:43

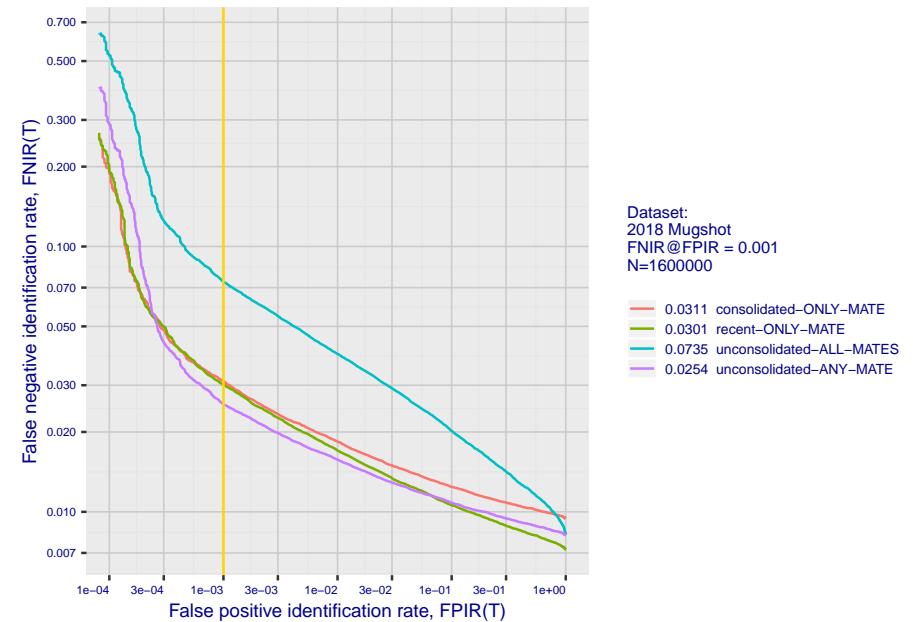
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



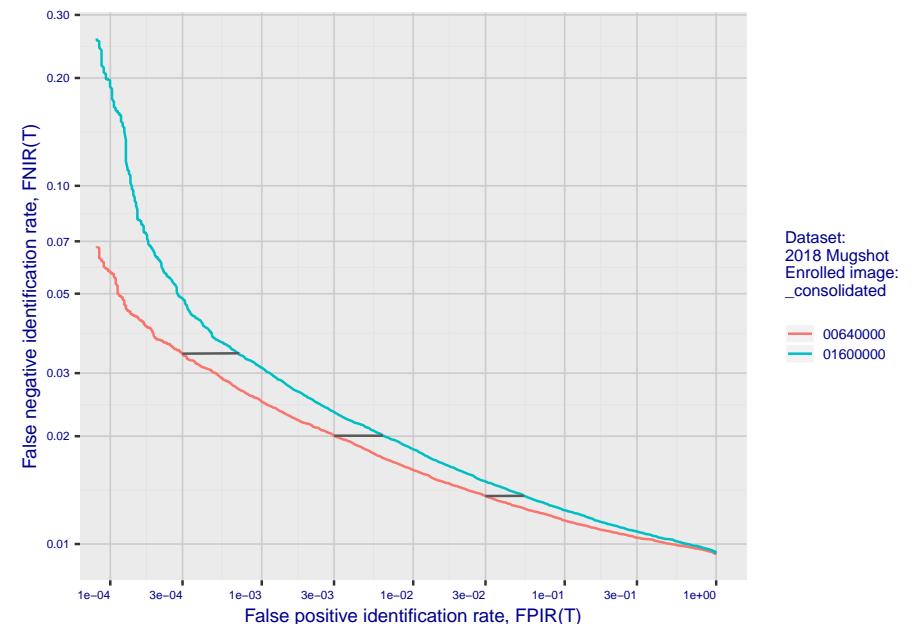
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

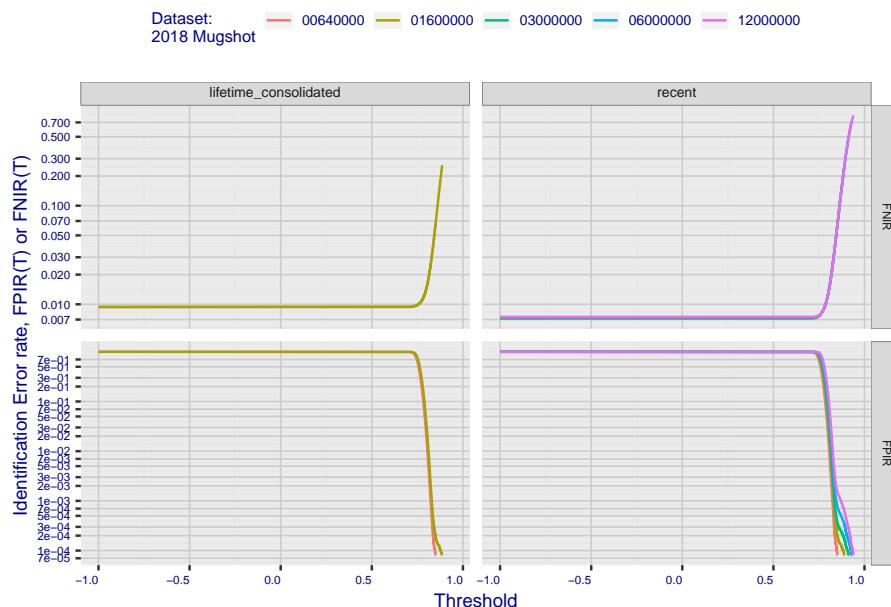


**Fig 4: DET for various N. Links connect points of equal threshold.**

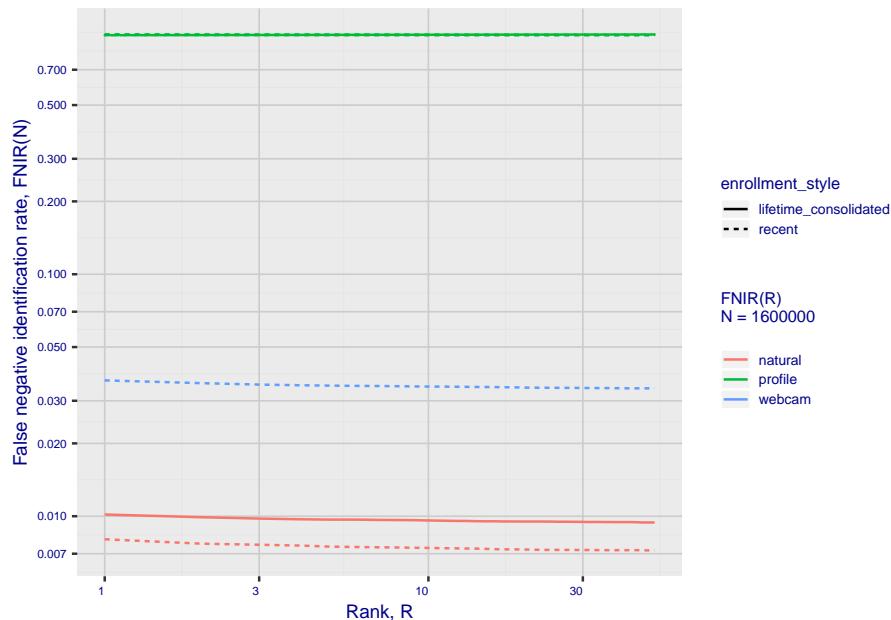


## 2. Report for algorithm lookman\_005 2020-03-20 13:16:43

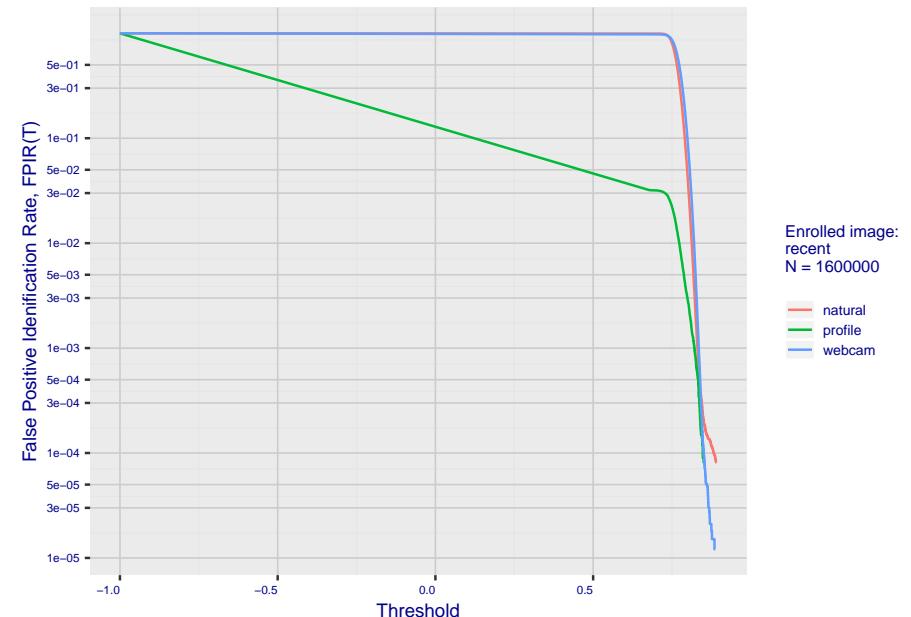
**Fig 5: Dependence on T by number enrolled identities**



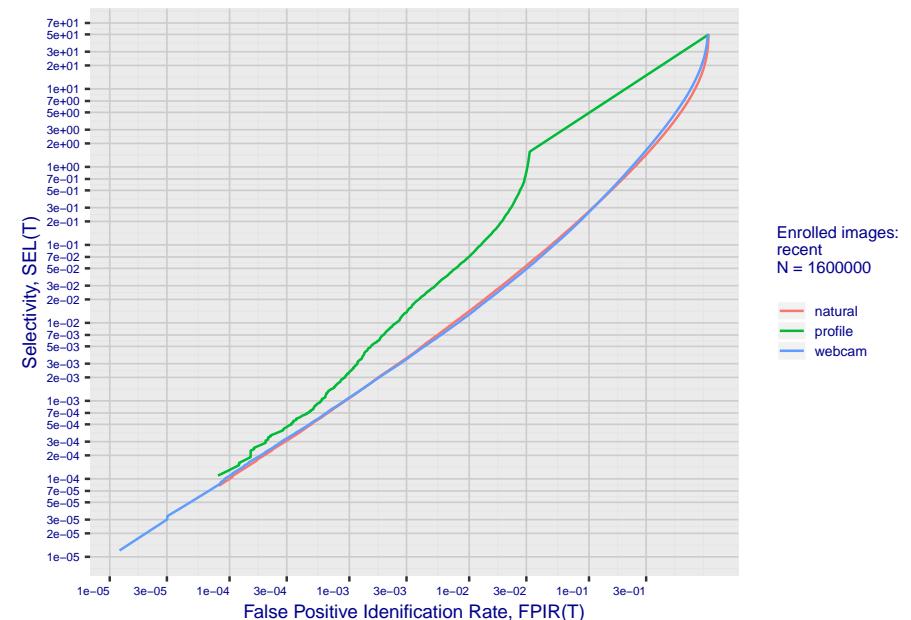
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm lookman\_005 2020-03-20 13:16:43

Fig 10: Template duration; search duration vs. N

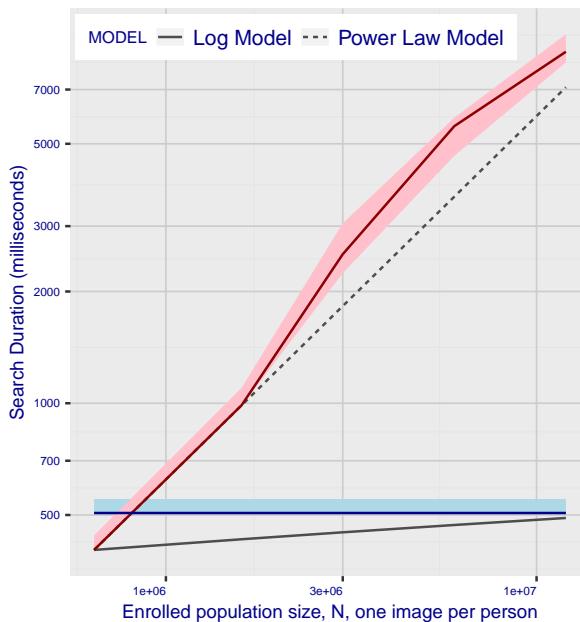
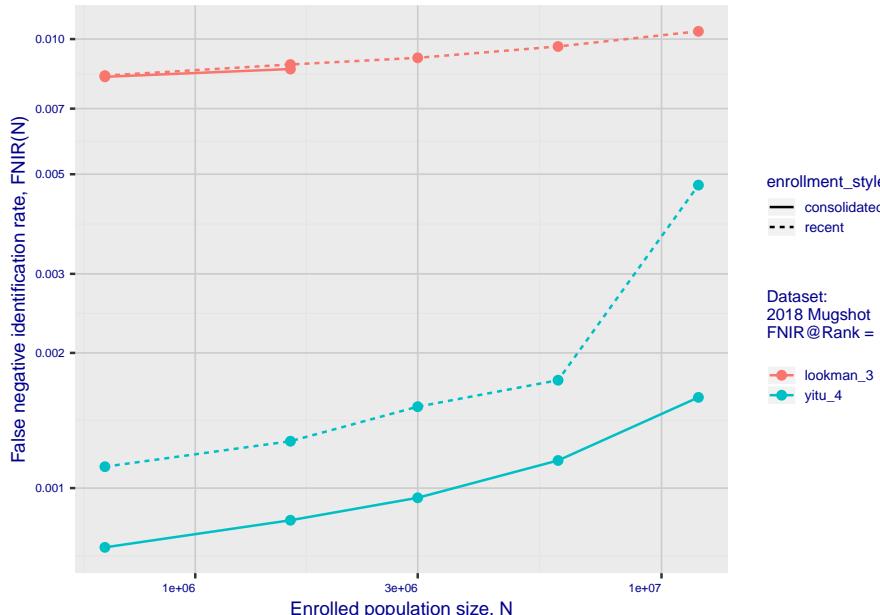


Fig 11: Datasheet

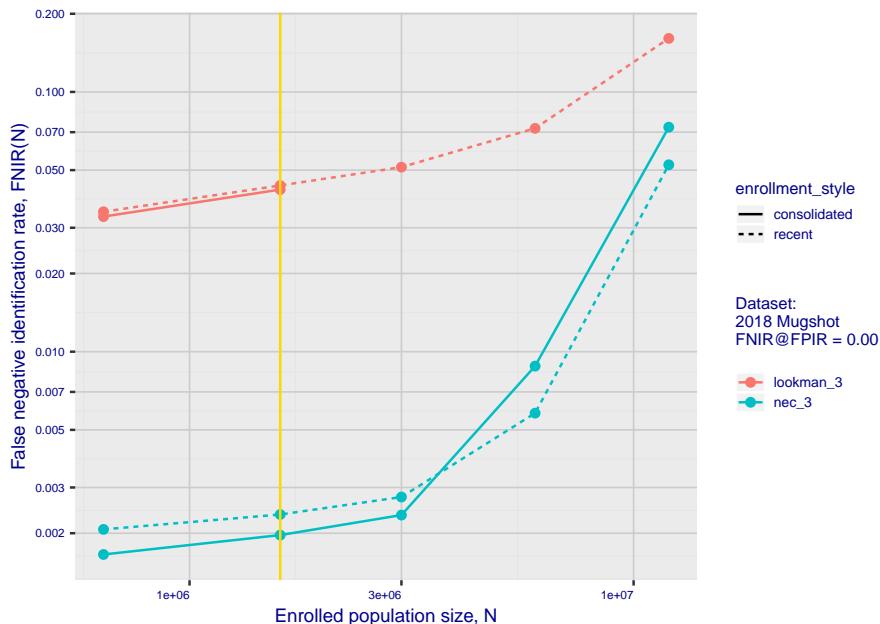
Algorithm:	lookman_005
Developer:	Lookman Electroplast Industries
Submission Date:	2019_09_16
Template size:	548 bytes
Template time (2.5 percentile):	503 msec
Template time (median):	506 msec
Template time (97.5 percentile):	552 msec
Investigation rank 84 --- FNIR(1600000, 0, 1) =	0.0080 vs. lowest 0.0010 from sensetime_003
Identification rank 30 --- FNIR(1600000, T, L+1) =	0.0301
PPIR = 0.001 vs.	lowest 0.0018 from sensetime_003

## 1. Report for algorithm lookman\_3 2020-03-20 13:15:03

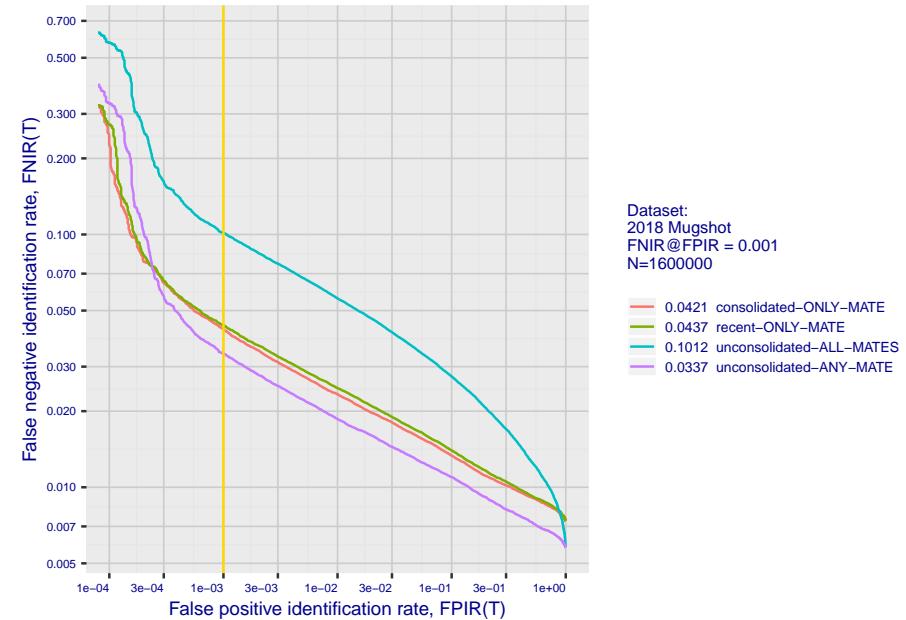
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



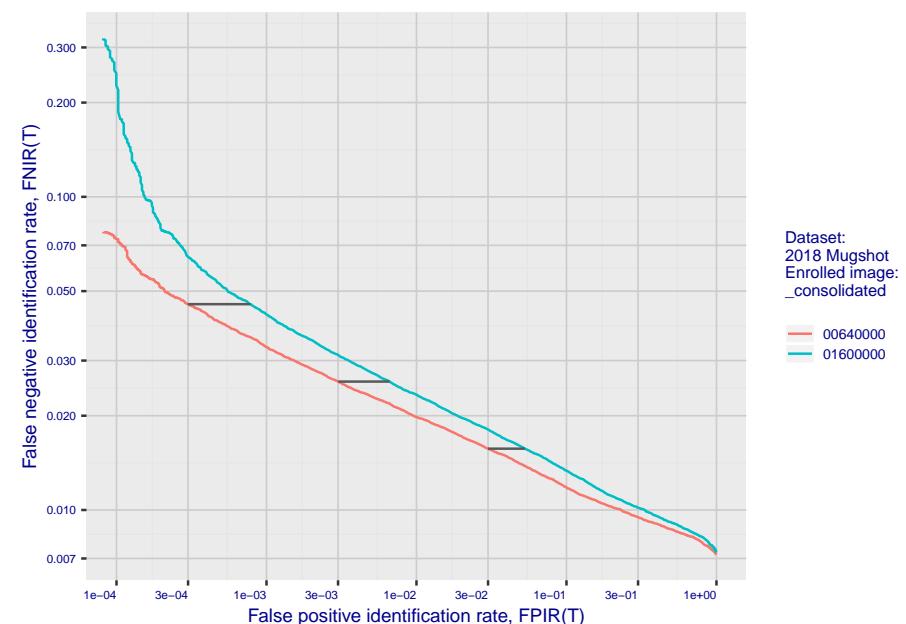
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

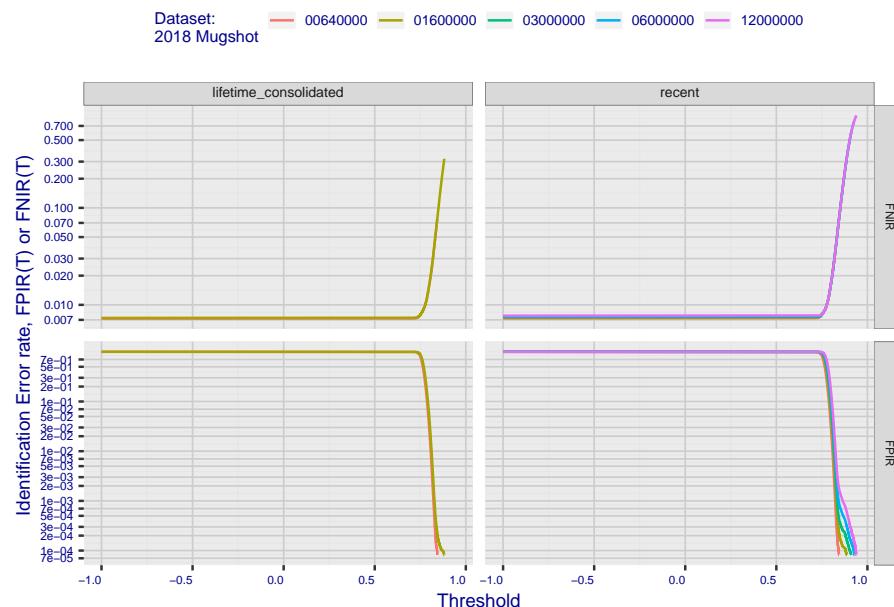


**Fig 4: DET for various N. Links connect points of equal threshold.**

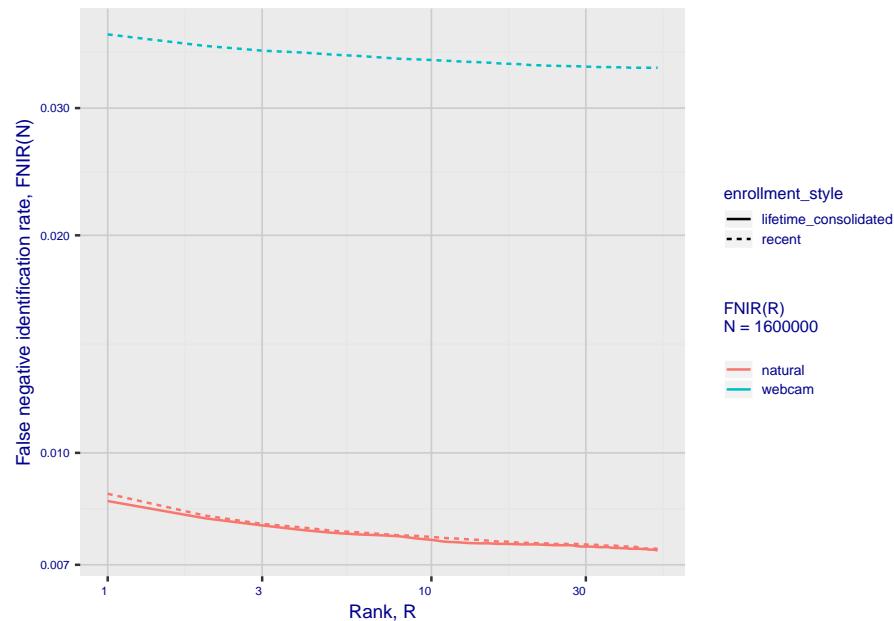


## 2. Report for algorithm lookman\_3 2020-03-20 13:15:03

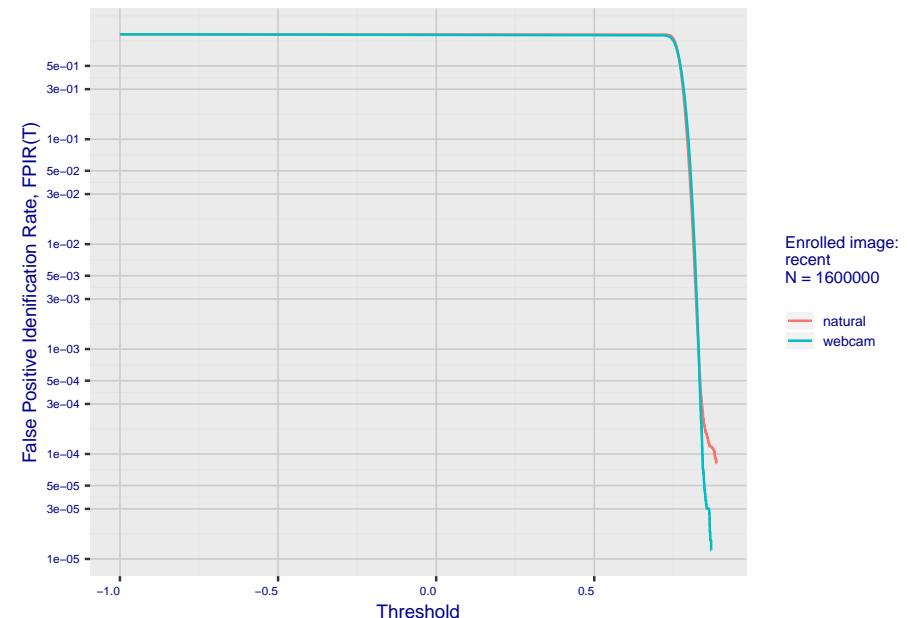
**Fig 5: Dependence on T by number enrolled identities**



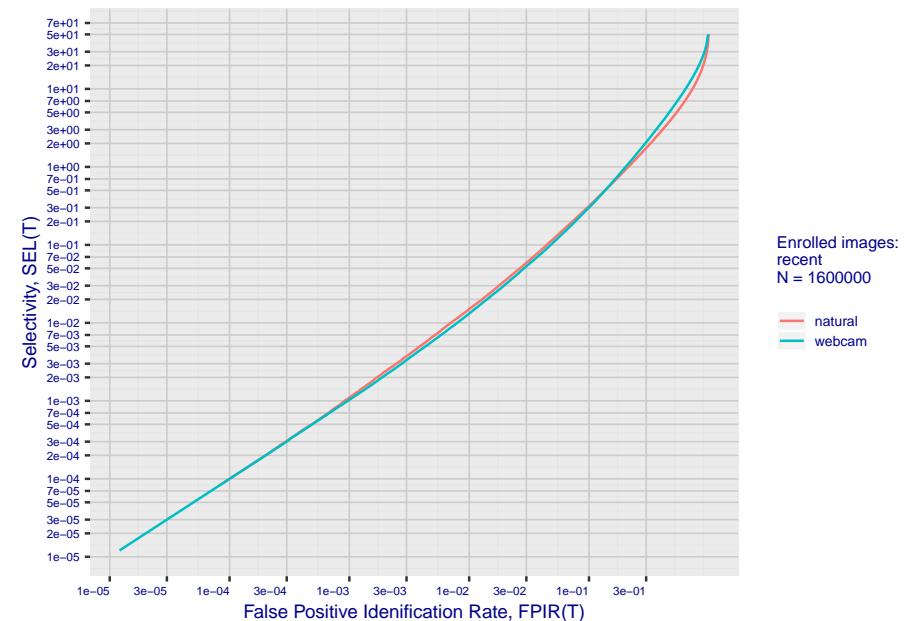
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

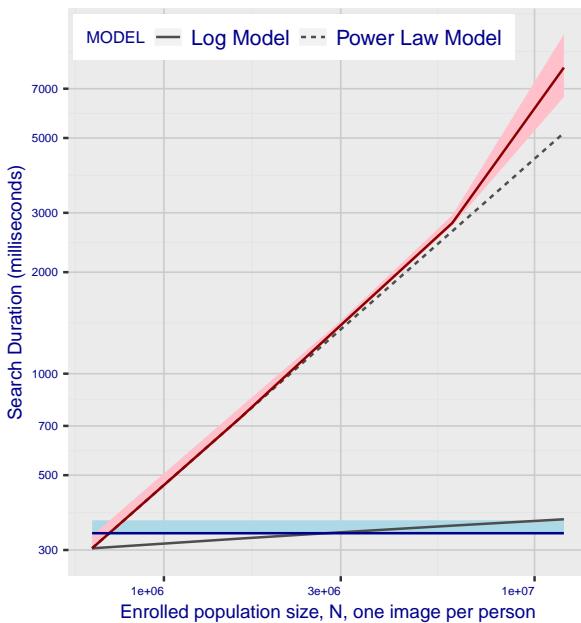


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm lookman\_3 2020-03-20 13:15:03

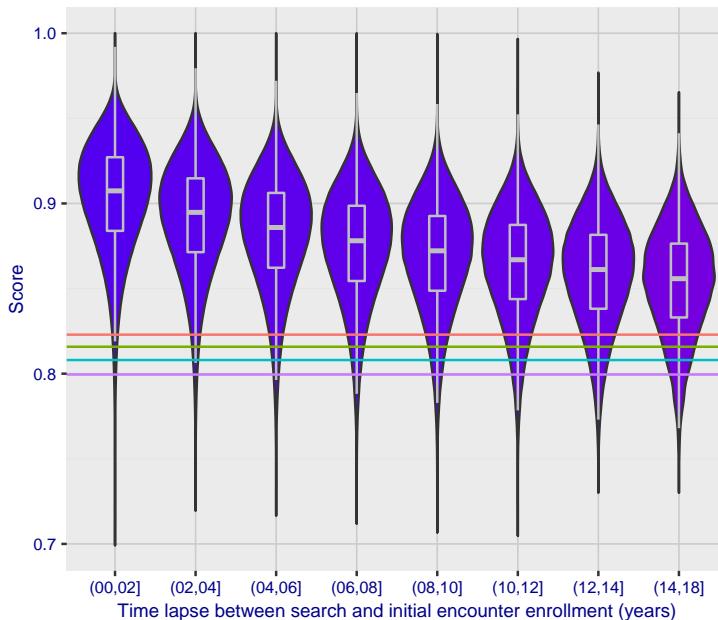
**Fig 10: Template duration; search duration vs. N**



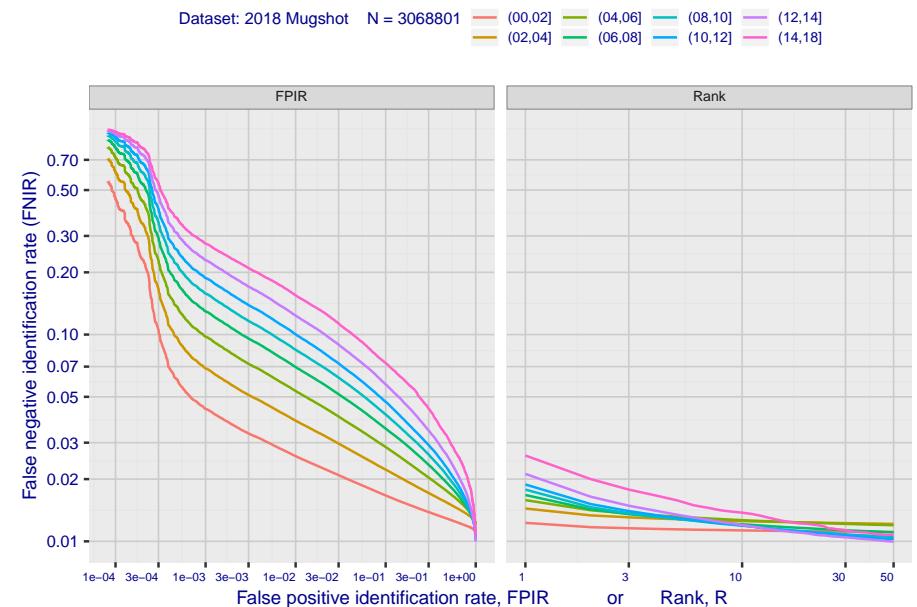
**Fig 11: Datasheet**

Algorithm: lookman_3
Developer: Lockman Electroplast Industries
Submission Date: 2018_10_28
Template size: 292 bytes
Template time (2.5 percentile): 334 msec
Template time (median): 336 msec
Template time (97.5 percentile): 367 msec
Investigation rank 90 --- FNIR(1600000, 0, 1) = 0.0088 vs. lowest 0.0010 from sensetime_003
Identification rank 44 --- FNIR(1600000, T, L+1) = 0.0437
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

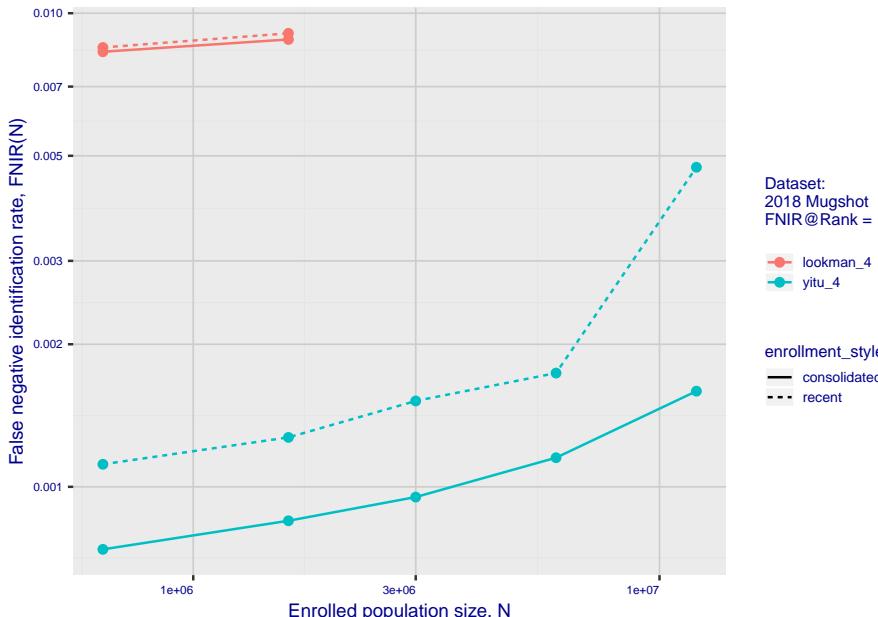


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

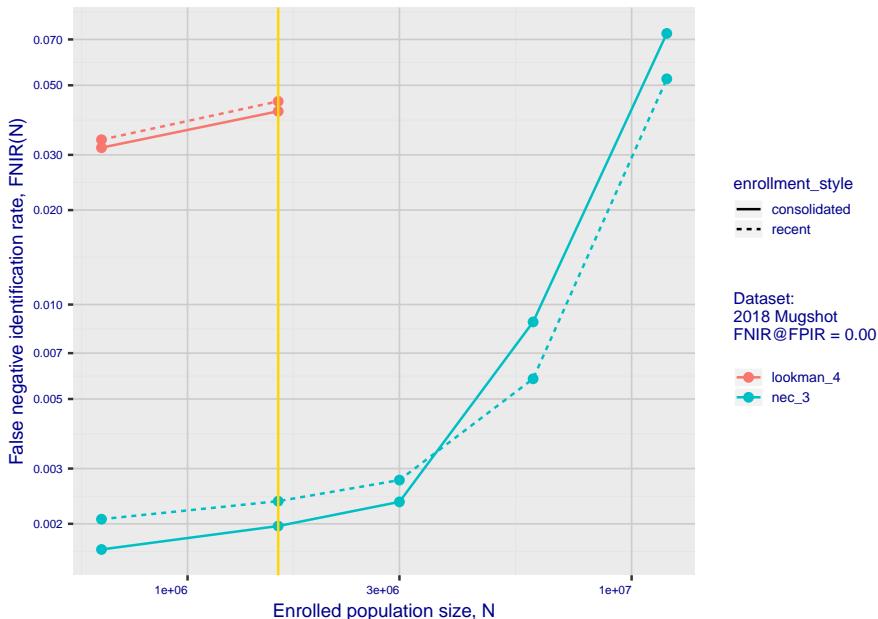


## 1. Report for algorithm lookman\_4 2020-03-20 13:16:44

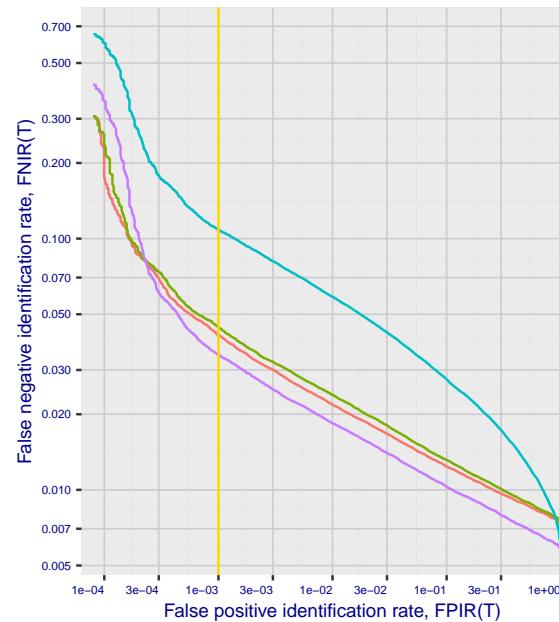
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



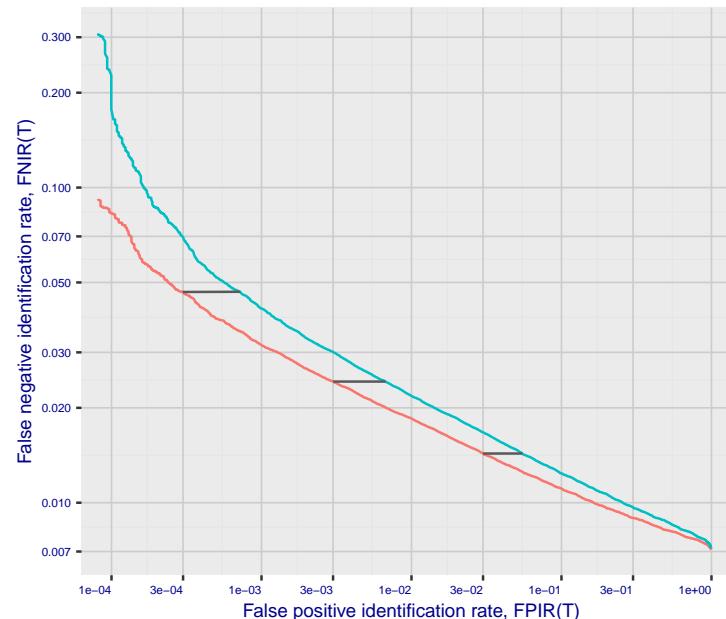
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**



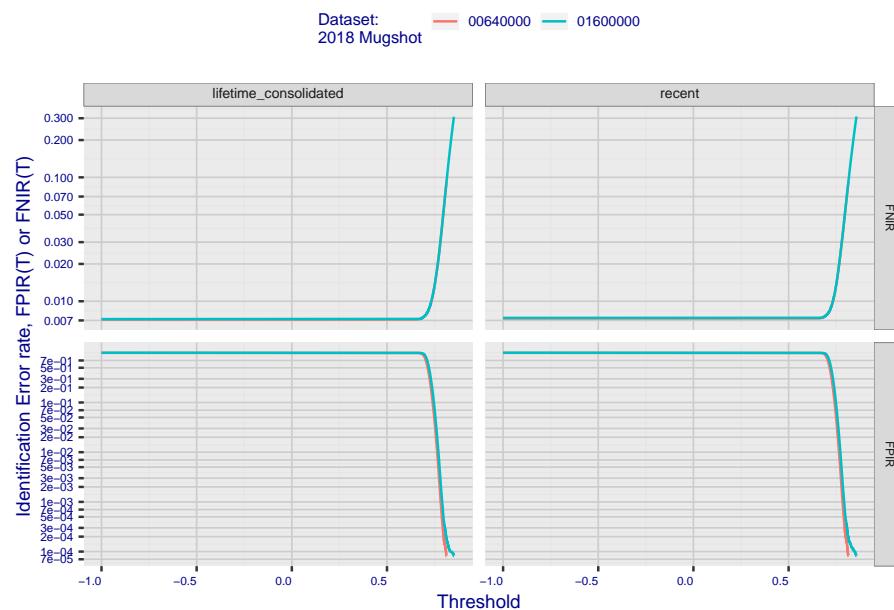
Dataset:  
2018 Mugshot  
Enrolled image:  
\_consolidated

00640000

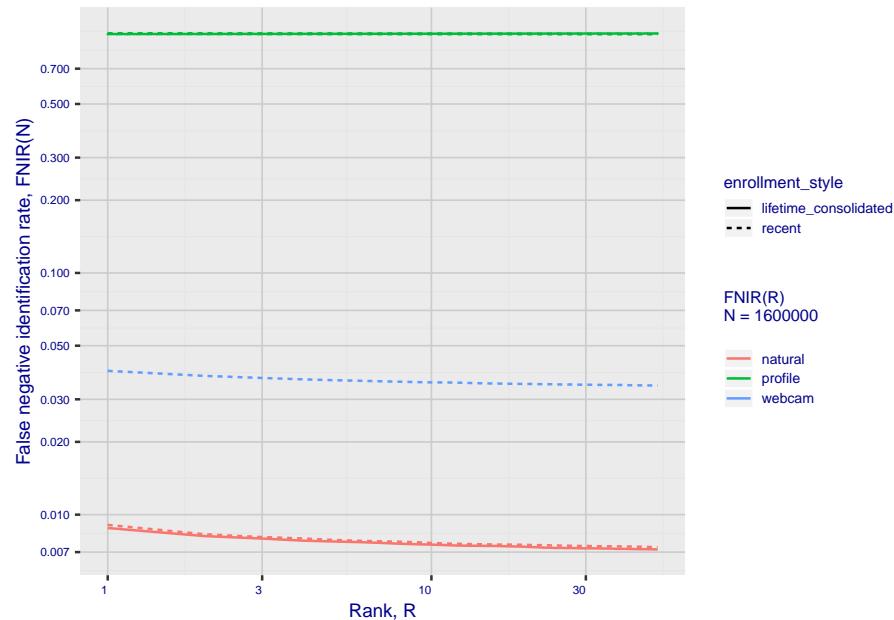
01600000

## 2. Report for algorithm lookman\_4 2020-03-20 13:16:44

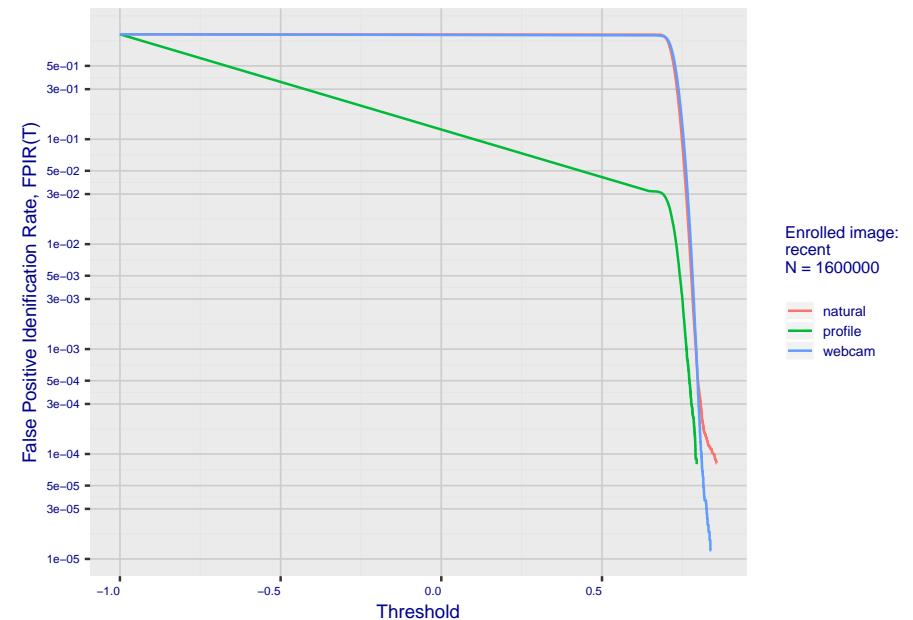
**Fig 5: Dependence on T by number enrolled identities**



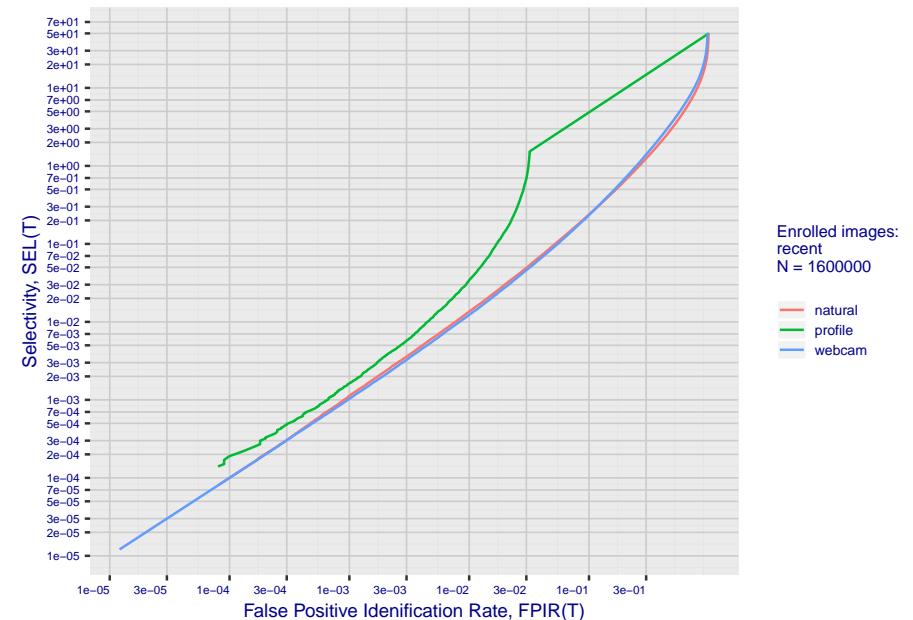
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

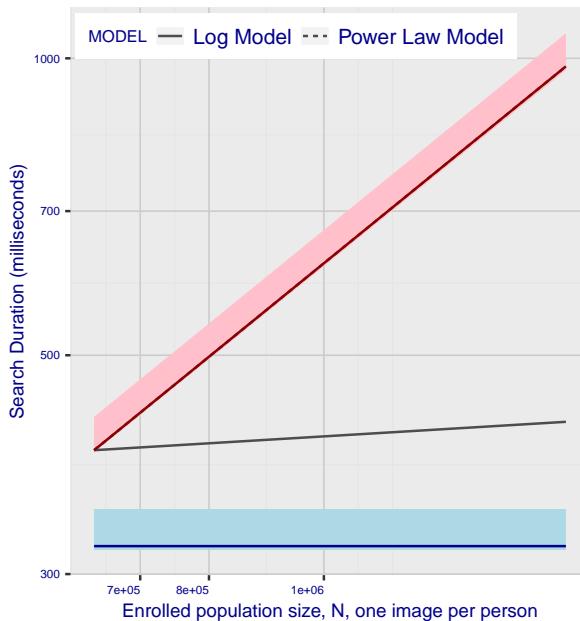


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm lookman\_4 2020-03-20 13:16:44**

**Fig 10: Template duration; search duration vs. N**

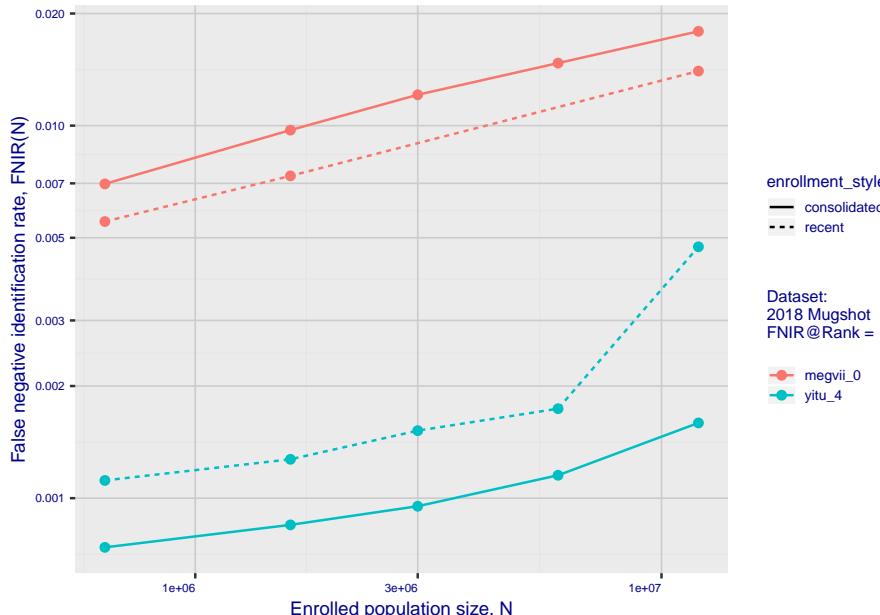


**Fig 11: Datasheet**

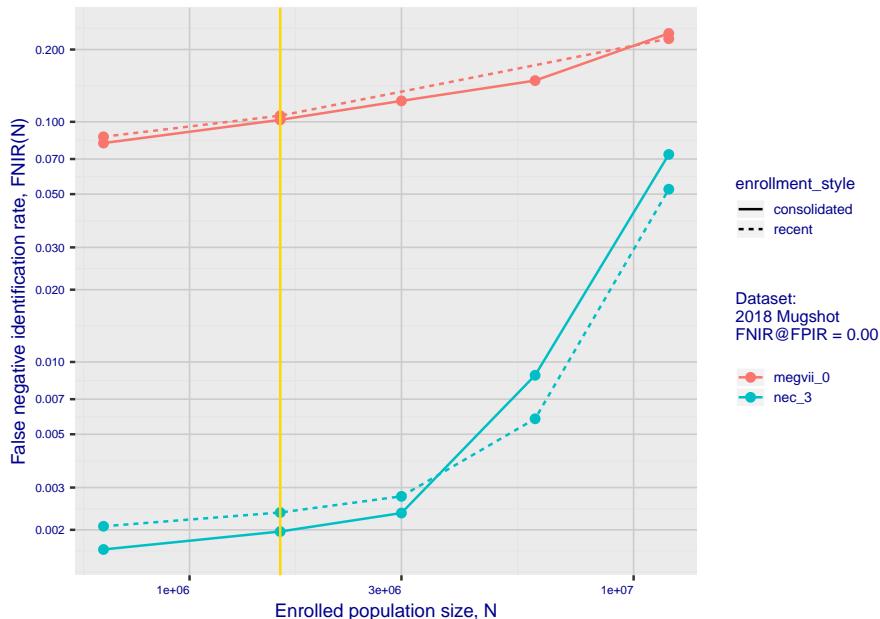
Algorithm:	lookman_4
Developer:	Lookman Electroplast Industries
Submission Date:	2018_10_28
Template size:	548 bytes
Template time (2.5 percentile):	318 msec
Template time (median):	320 msec
Template time (97.5 percentile):	349 msec
Investigation rank 92 -- FNIR(1600000, 0, 1) =	0.0091 vs. lowest 0.0010 from sensetime_003
Identification rank 48 -- FNIR(1600000, T, L+1) =	0.0444
PPIR = 0.001 vs.	lowest 0.0018 from sensetime_003

# 1. Report for algorithm megvii\_0 2020-03-20 13:23:51

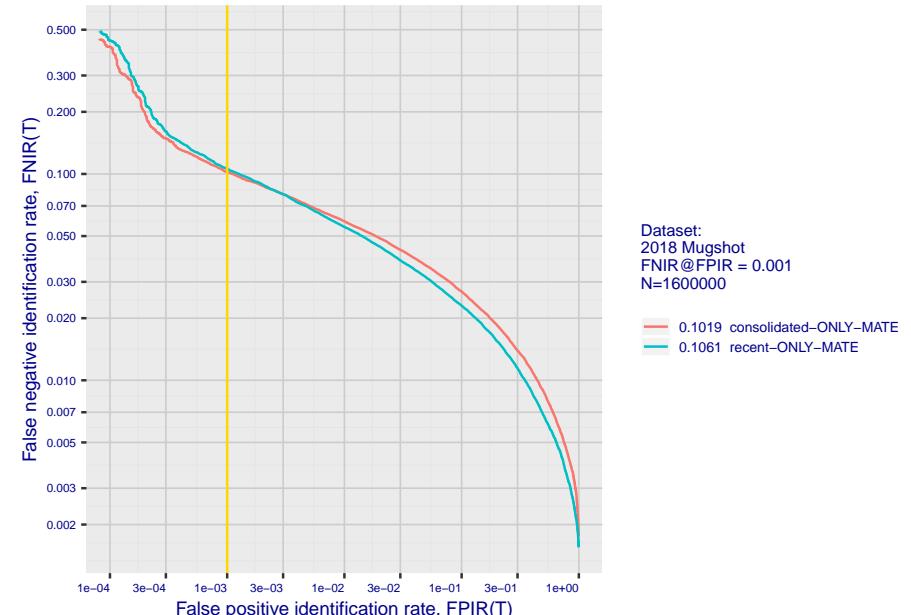
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



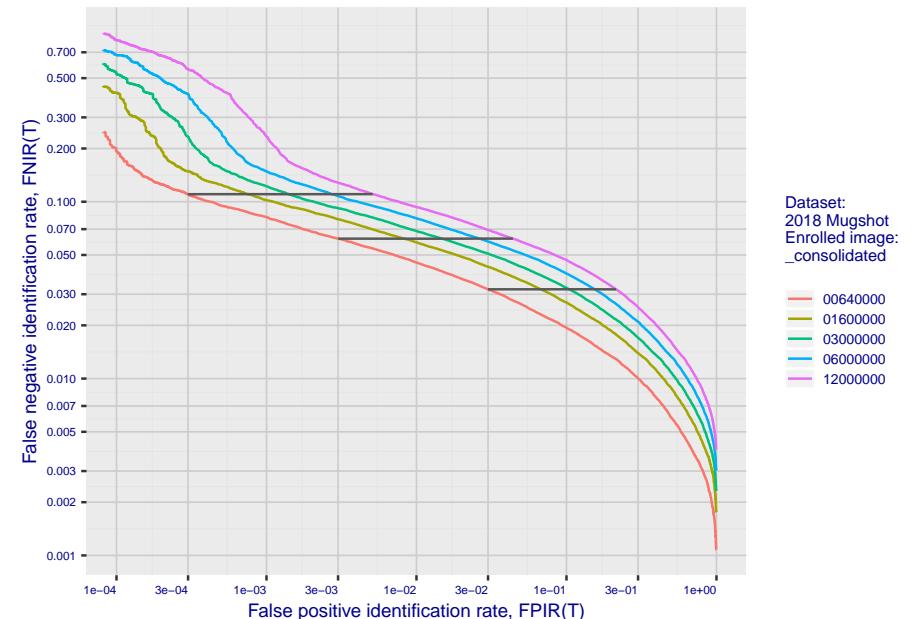
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

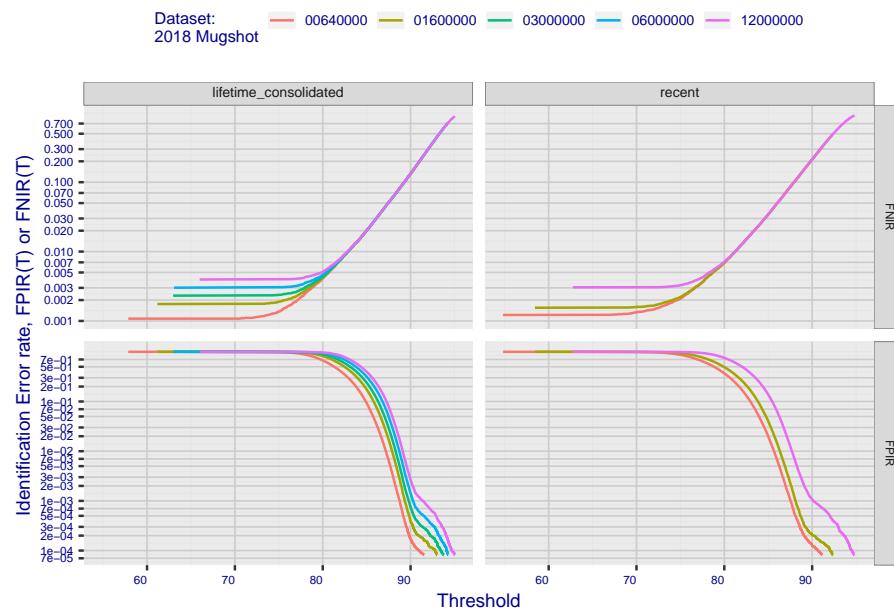


**Fig 4: DET for various N. Links connect points of equal threshold.**

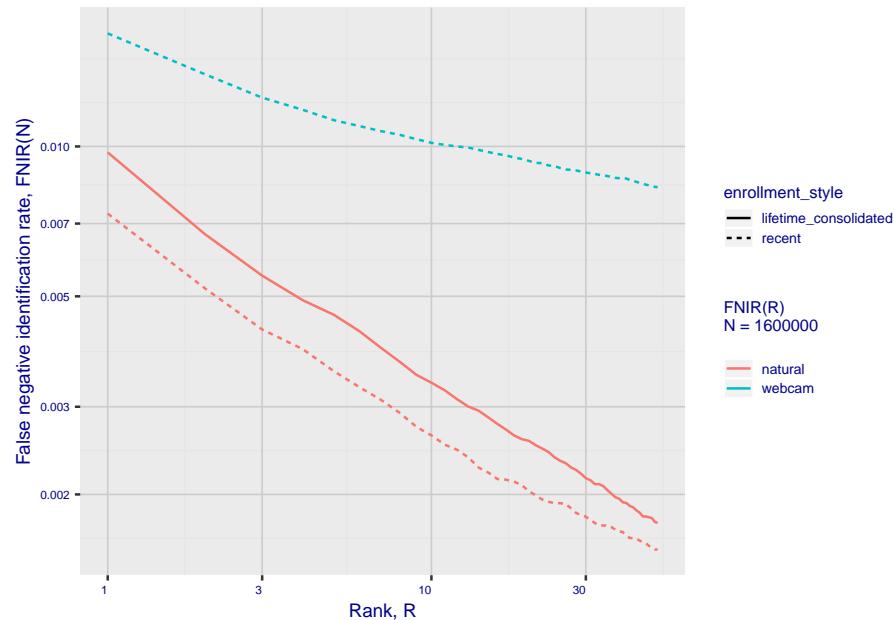


## 2. Report for algorithm megvii\_0 2020-03-20 13:23:51

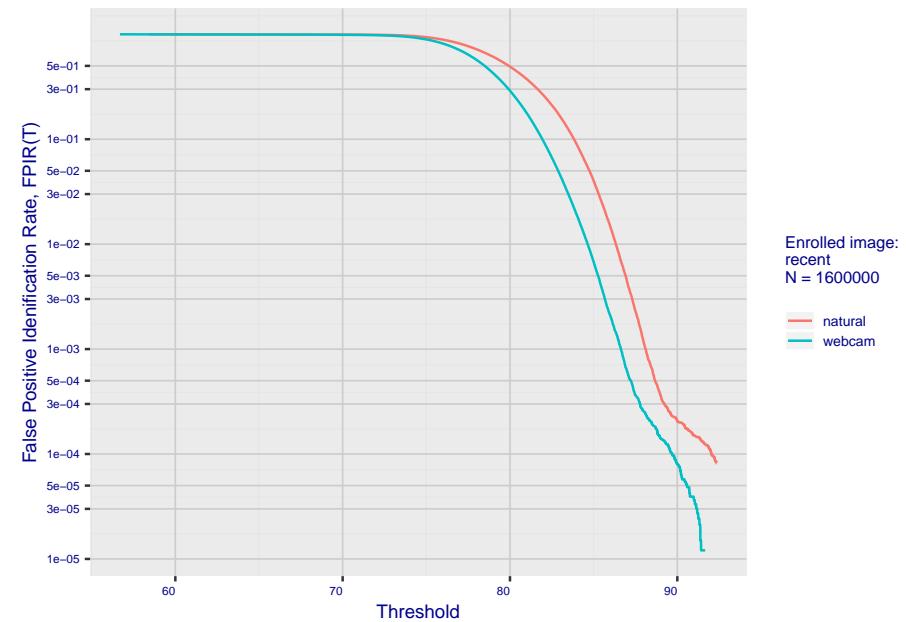
**Fig 5: Dependence on T by number enrolled identities**



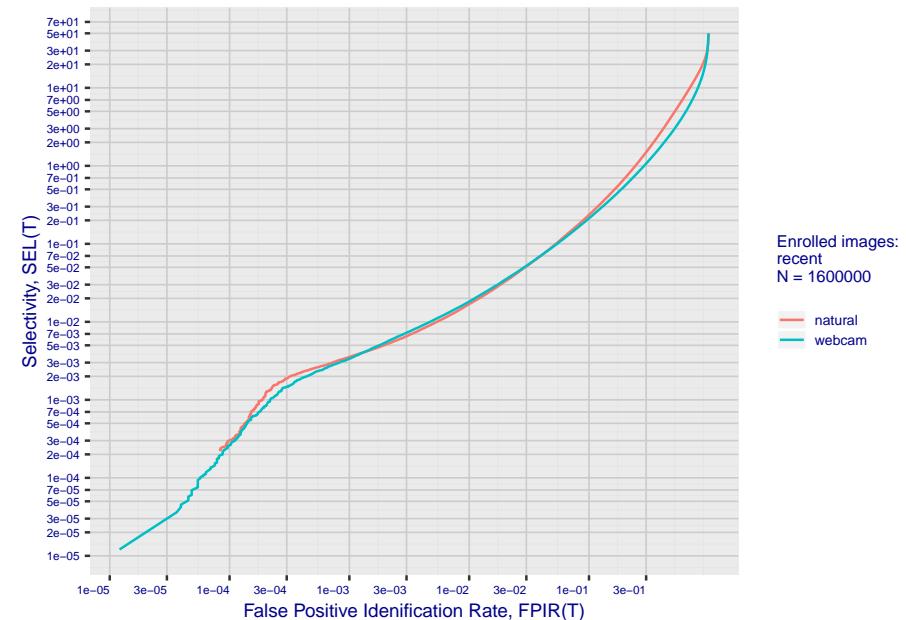
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

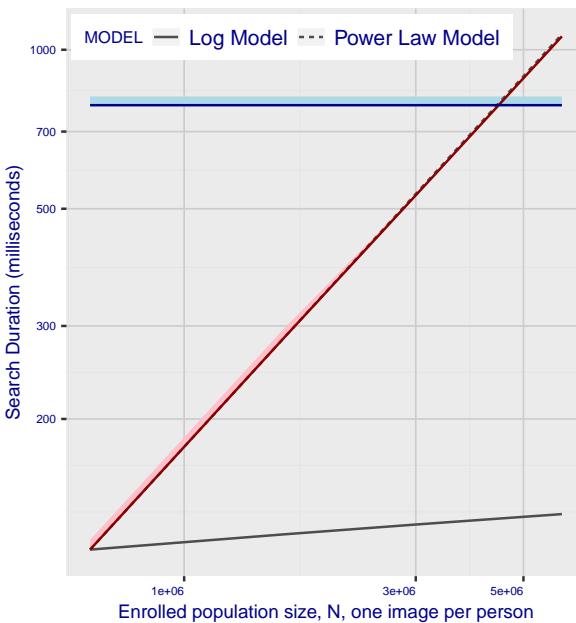


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm megvii\_0 2020-03-20 13:23:51

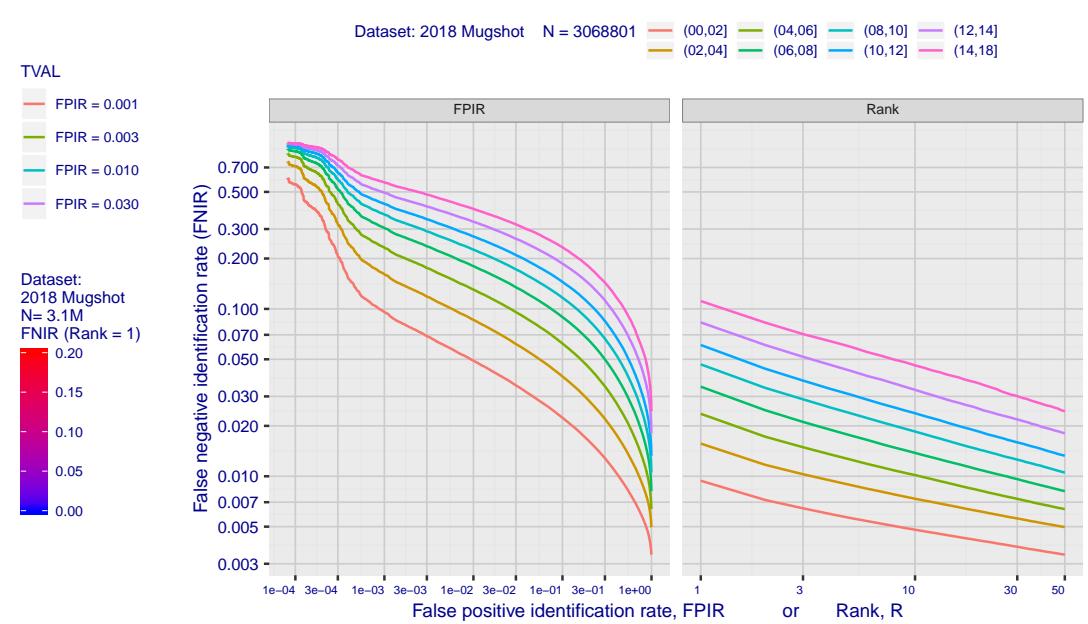
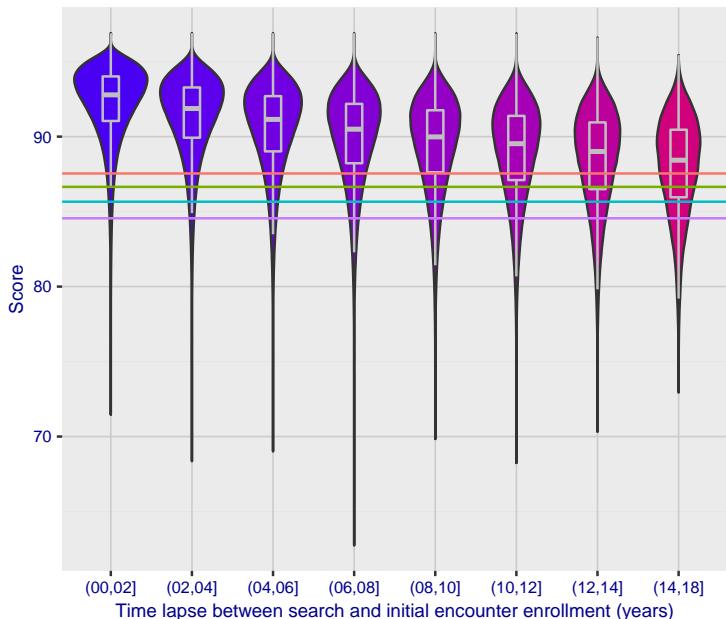
**Fig 10: Template duration; search duration vs. N**



**Fig 11: Datasheet**

Algorithm: megvii_0
Developer: Megvii/Face++
Submission Date: 2018_02_15
Template size: 2048 bytes
Template time (2.5 percentile): 784 msec
Template time (median): 785 msec
Template time (97.5 percentile): 816 msec
Investigation rank 80 -- FNIR(1600000, 0, 1) = 0.0073 vs. lowest 0.0010 from sensetime_003
Identification rank 111 -- FNIR(1600000, T, L+1) = 0.1061
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

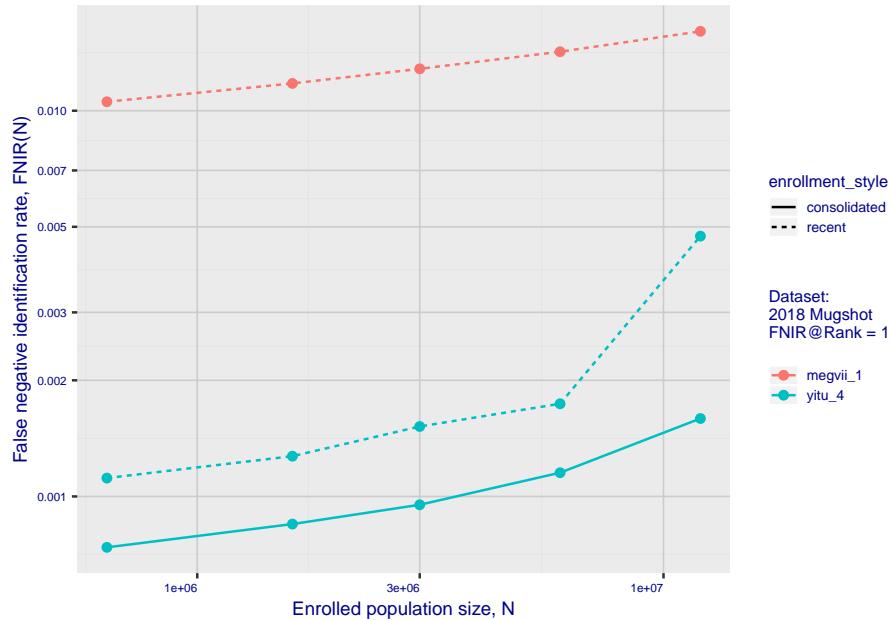
**Fig 12: Decline of genuine scores with ageing**



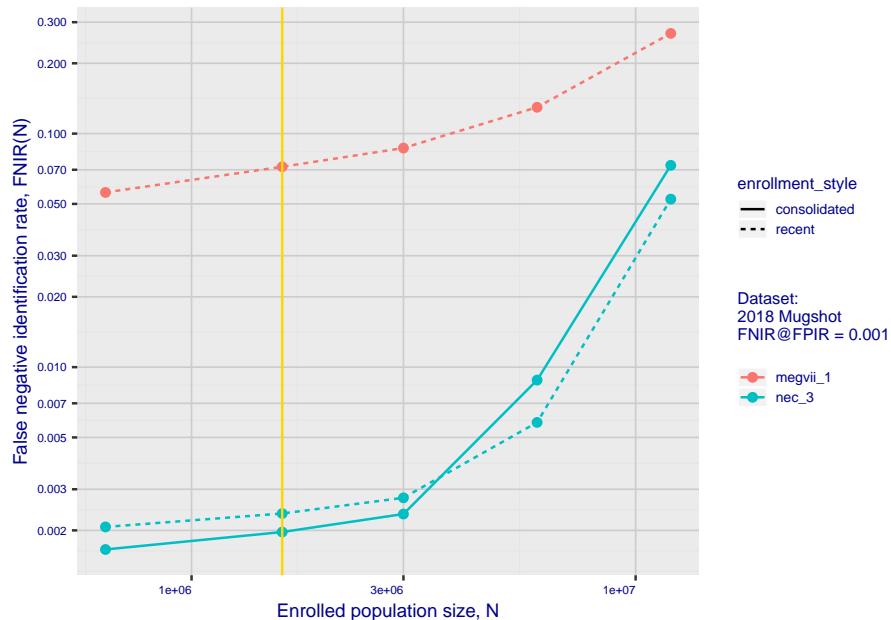
**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

# 1. Report for algorithm megvii\_1 2020-03-20 13:16:41

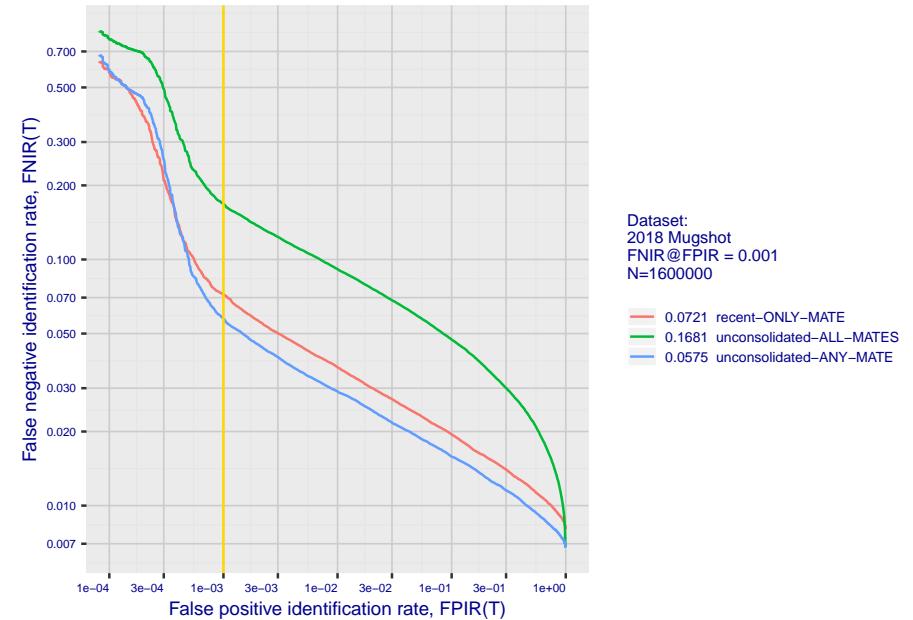
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

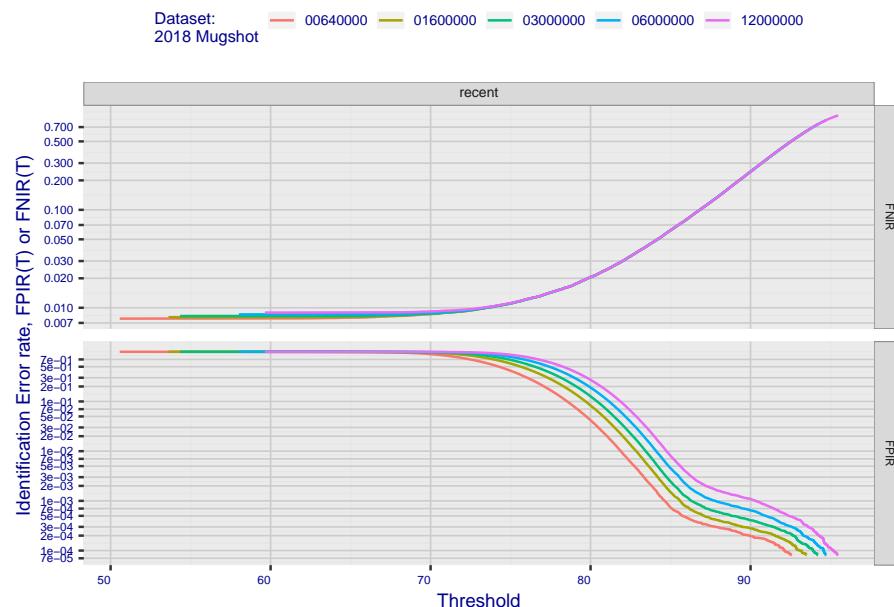


**Fig 2: DETs by enrollment type**

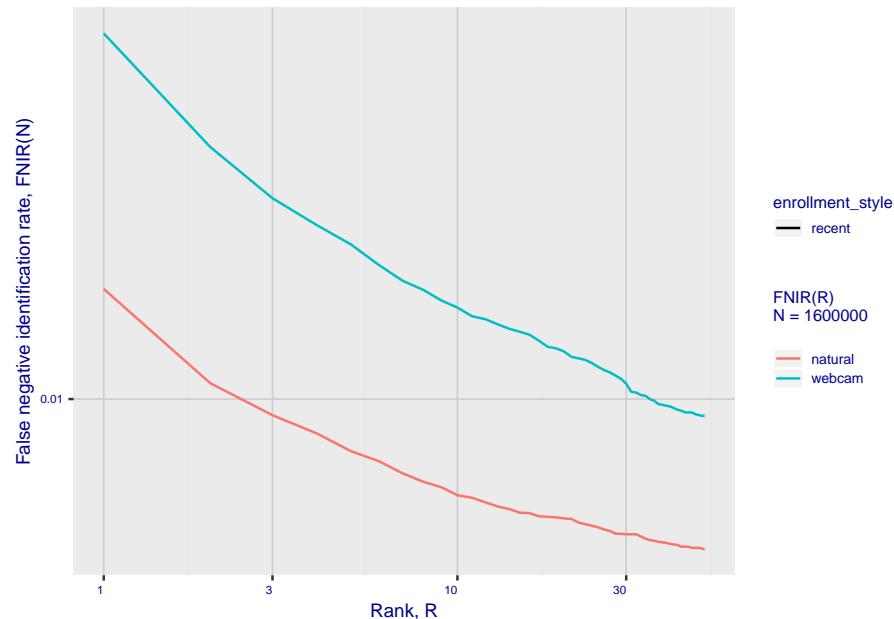


## 2. Report for algorithm megvii\_1 2020-03-20 13:16:41

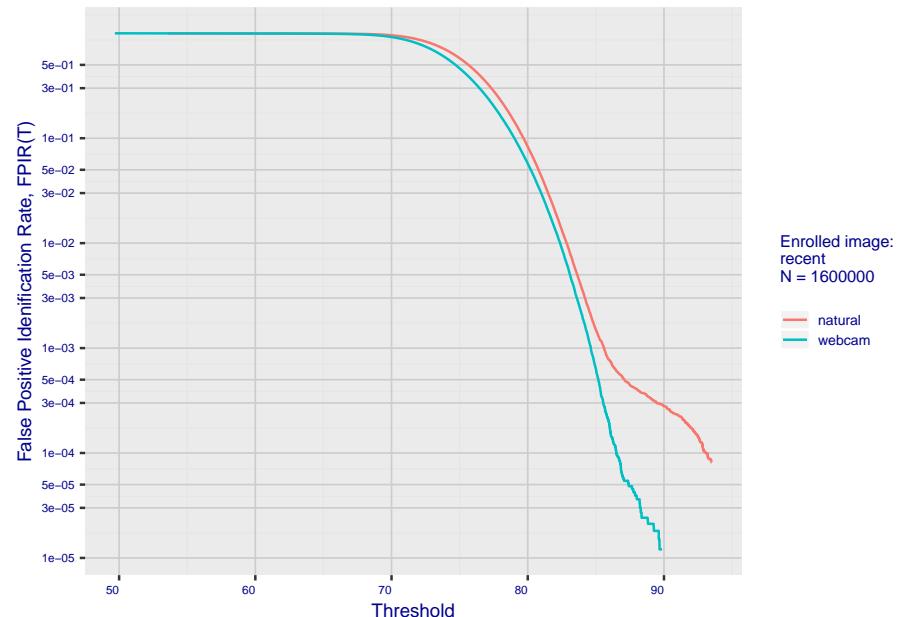
**Fig 5: Dependence on T by number enrolled identities**



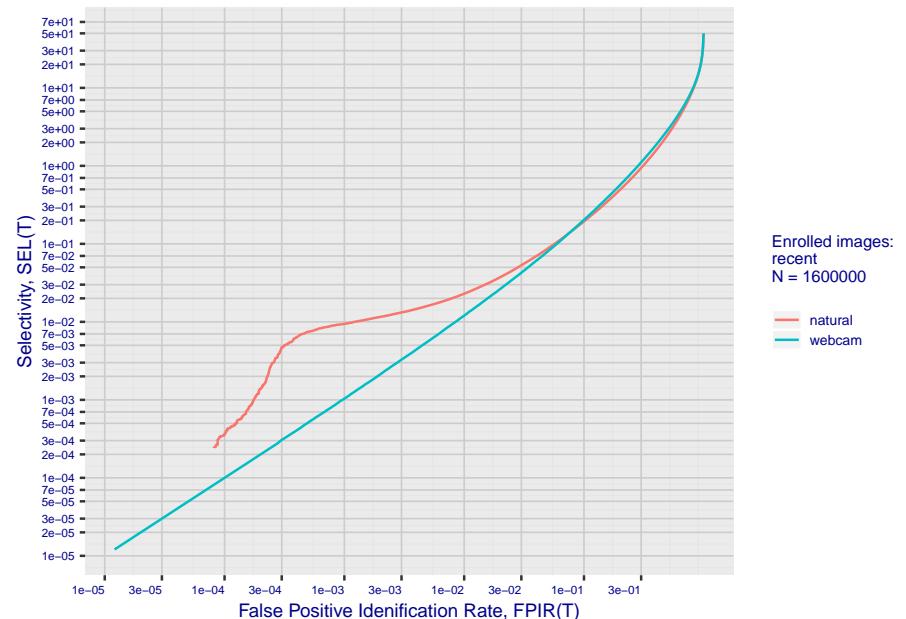
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm megvii\_1 2020-03-20 13:16:41

Fig 10: Template duration; search duration vs. N

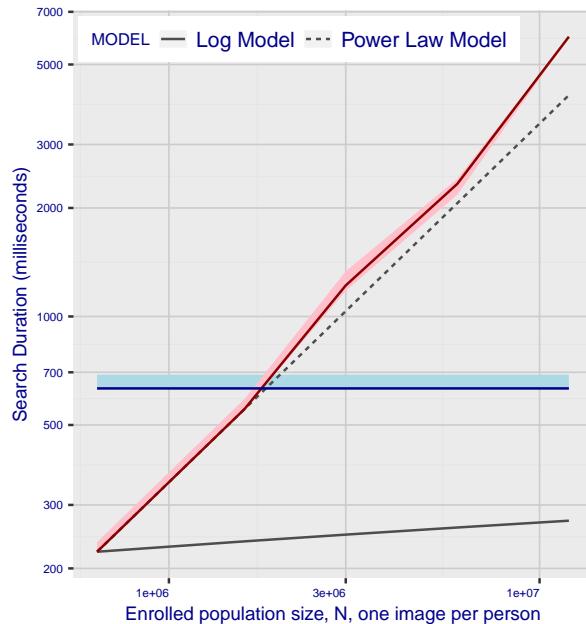
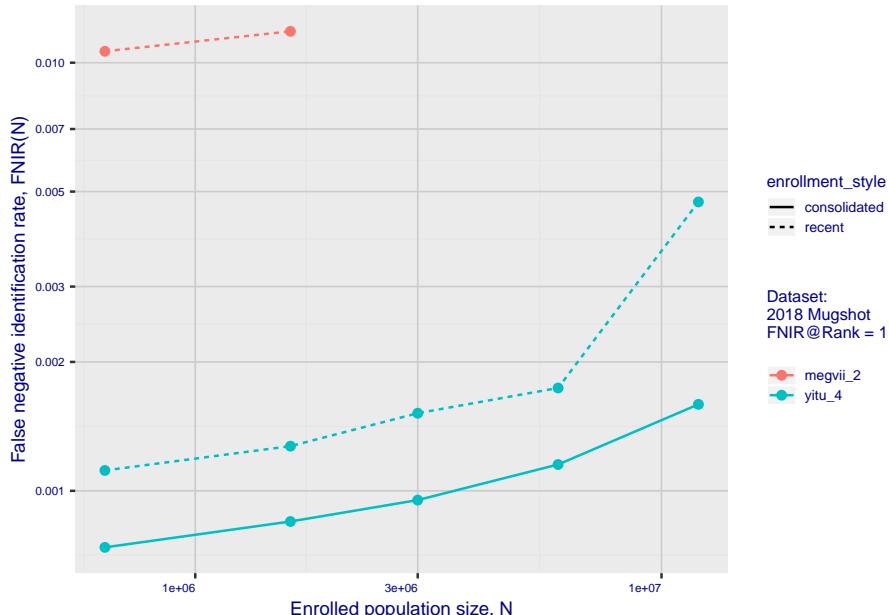


Fig 11: Datasheet

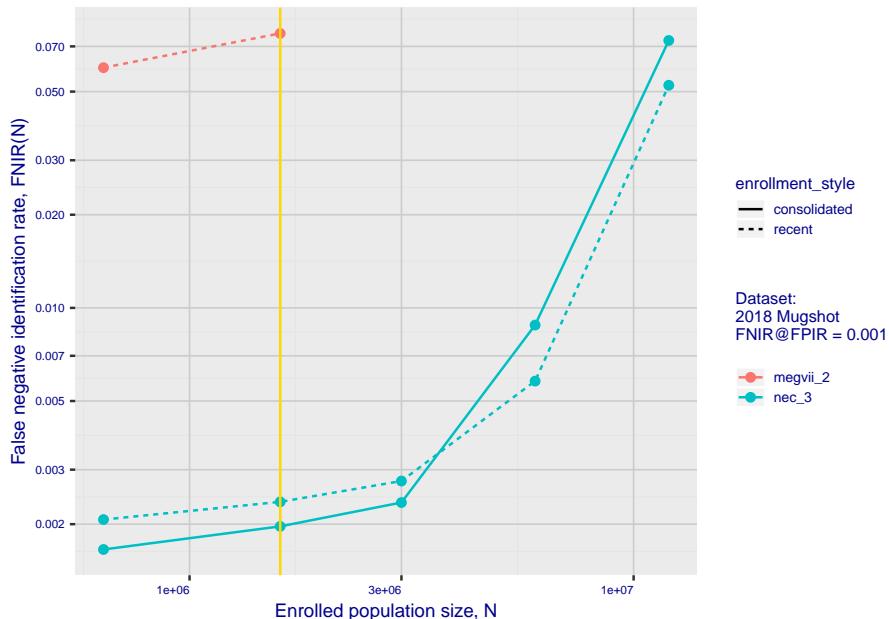
Algorithm: megvii_1
Developer: Megvii/Face++
Submission Date: 2018_10_28
Template size: 4096 bytes
Template time (2.5 percentile): 630 msec
Template time (median): 631 msec
Template time (97.5 percentile): 690 msec
Investigation rank 111 -- FNIR(1600000, 0, 1) = 0.0118 vs. lowest 0.0010 from sensetime_003
Identification rank 85 -- FNIR(1600000, T, L+1) = 0.0721
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

## 1. Report for algorithm megvii\_2 2020-03-20 13:13:00

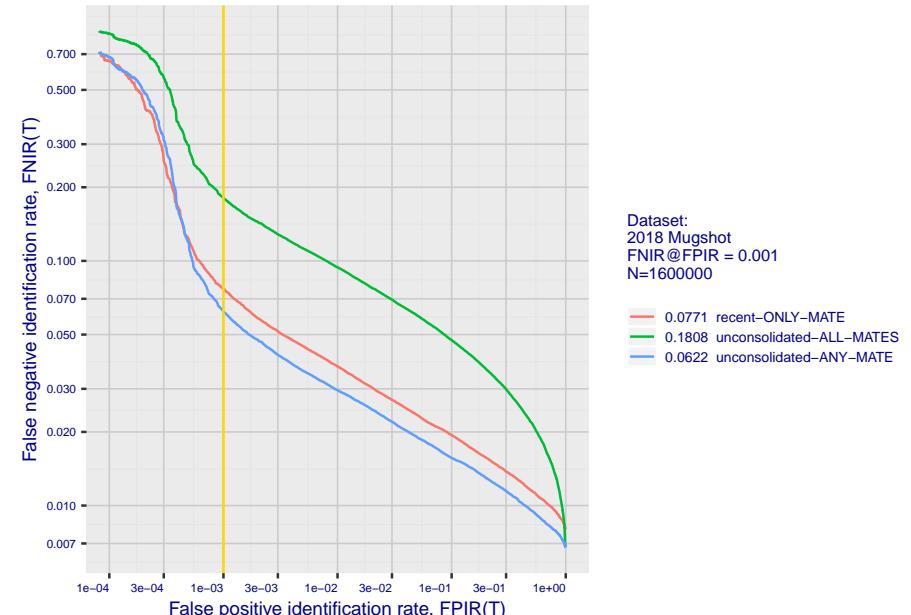
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

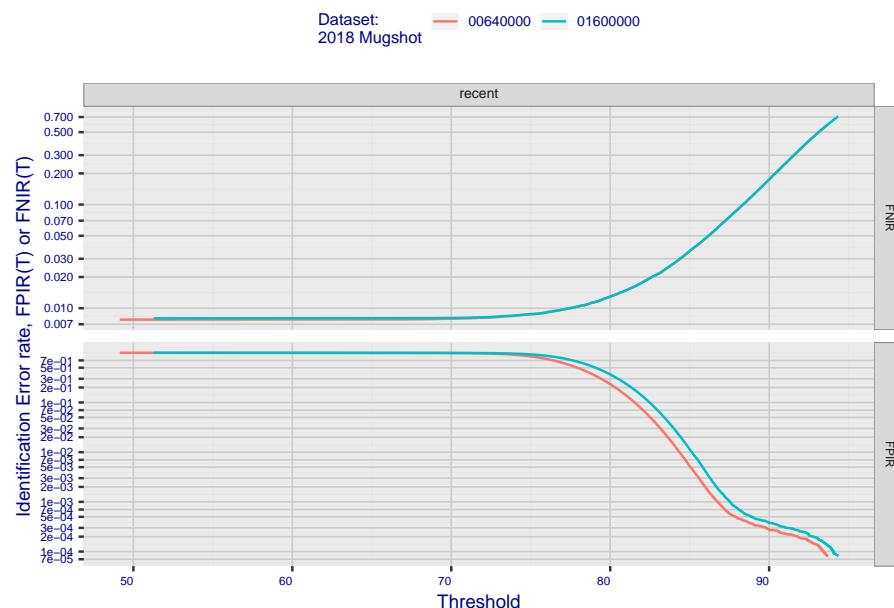


**Fig 2: DETs by enrollment type**

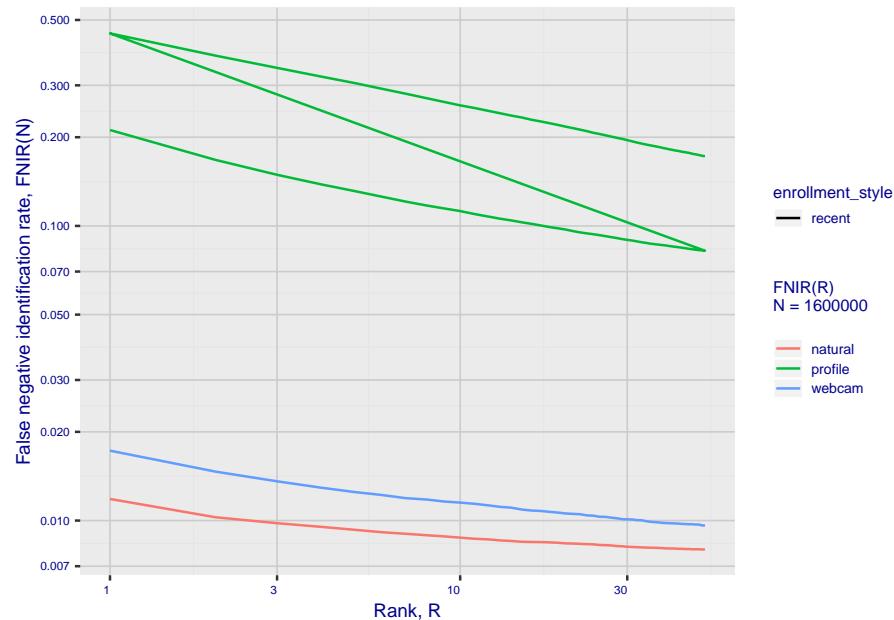


## 2. Report for algorithm megvii\_2 2020-03-20 13:13:00

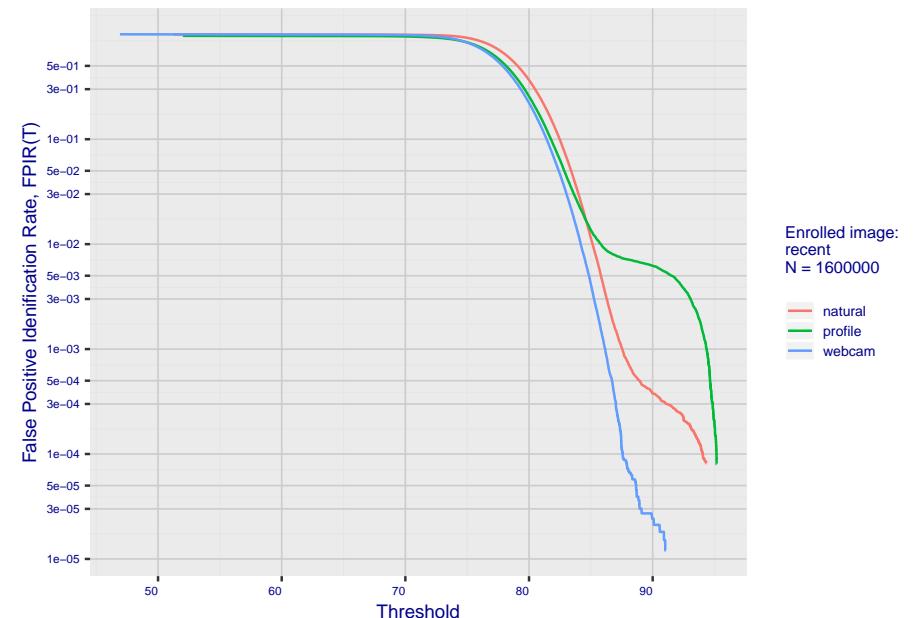
**Fig 5: Dependence on T by number enrolled identities**



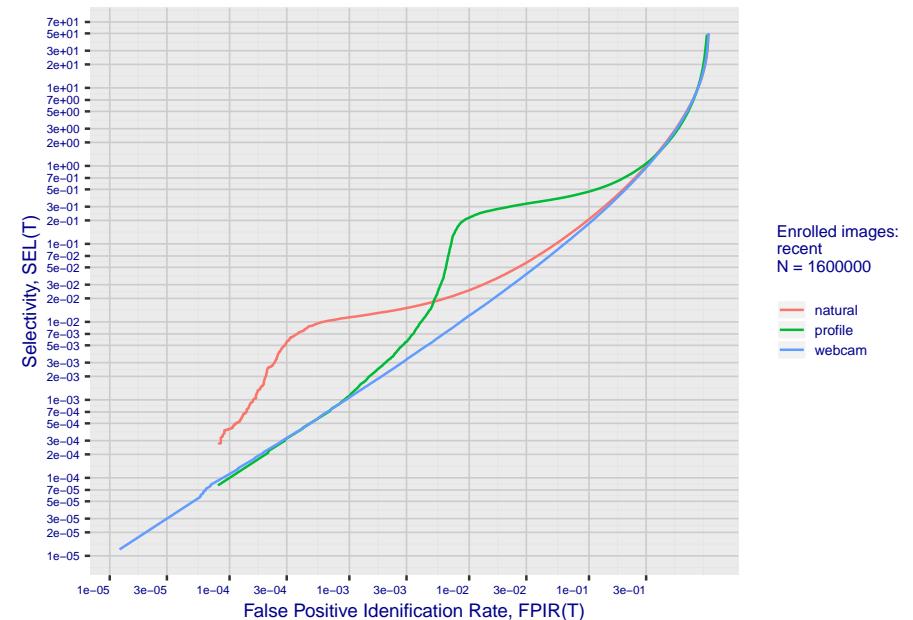
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm megvii\_2 2020-03-20 13:13:00

Fig 10: Template duration; search duration vs. N

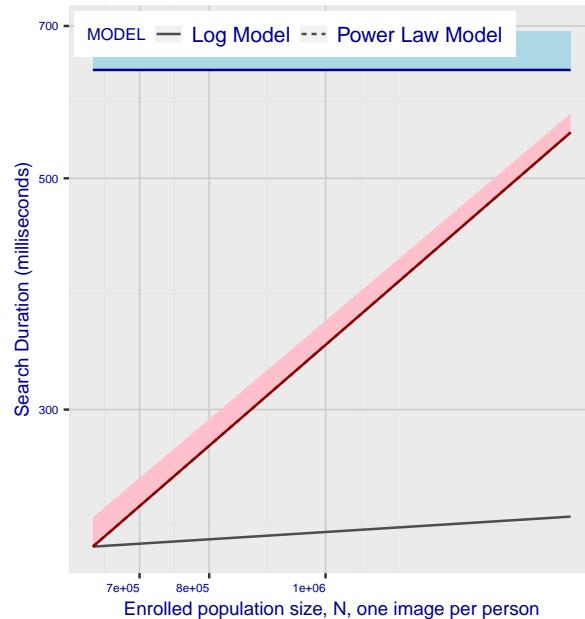
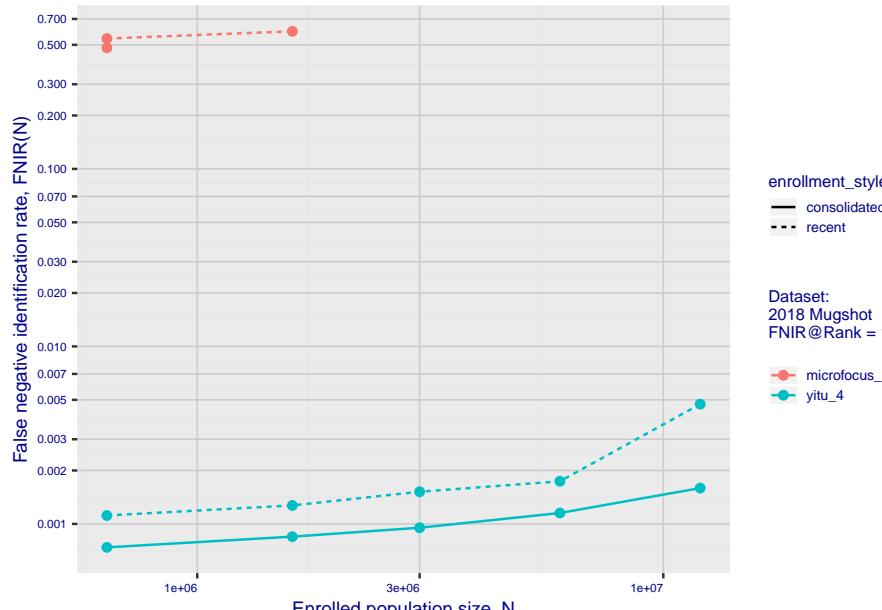


Fig 11: Datasheet

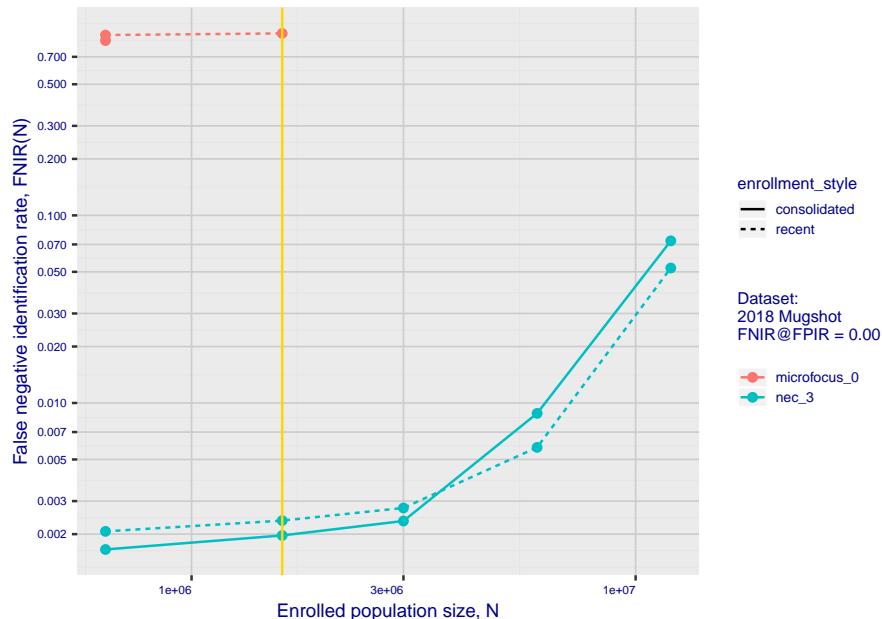
Algorithm: megvii_2
Developer: Megvii/Face++
Submission Date: 2018_10_28
Template size: 4096 bytes
Template time (2.5 percentile): 634 msec
Template time (median): 635 msec
Template time (97.5 percentile): 692 msec
Investigation rank 112 -- FNIR(1600000, 0, 1) = 0.0118 vs. lowest 0.0010 from sensetime_003
Identification rank 88 -- FNIR(1600000, T, L+1) = 0.0771
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm microfocus\_0 2020-03-20 13:16:42

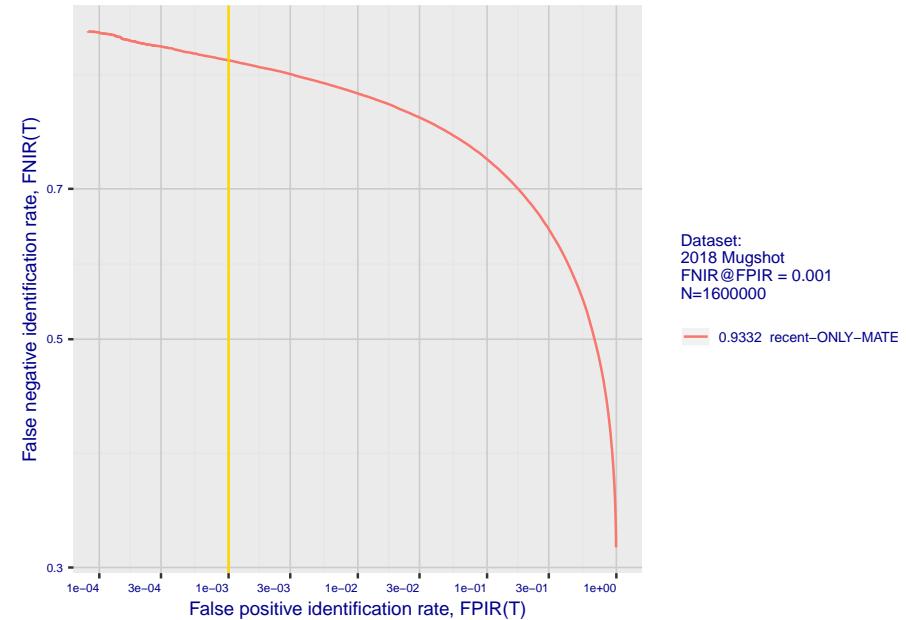
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



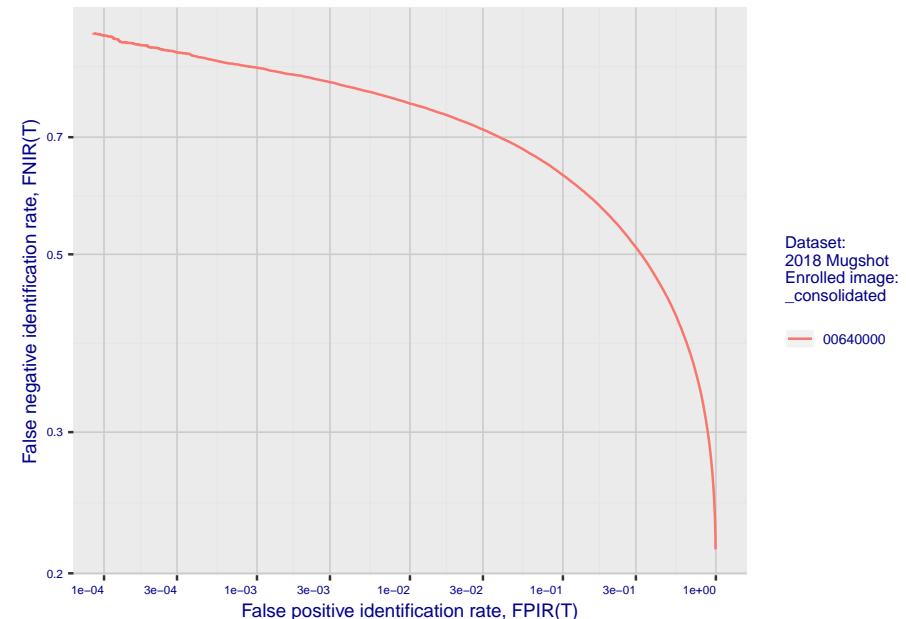
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

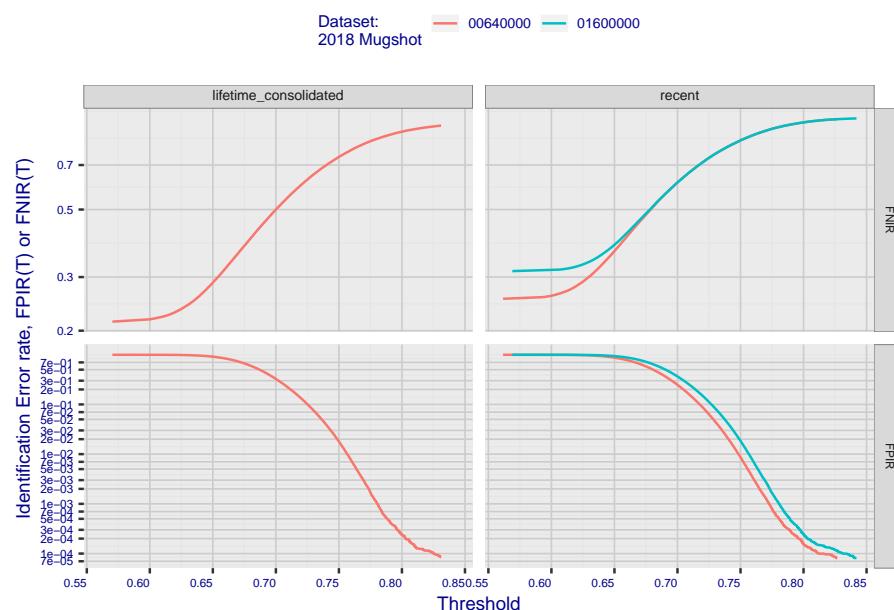


**Fig 4: DET for various N. Links connect points of equal threshold.**

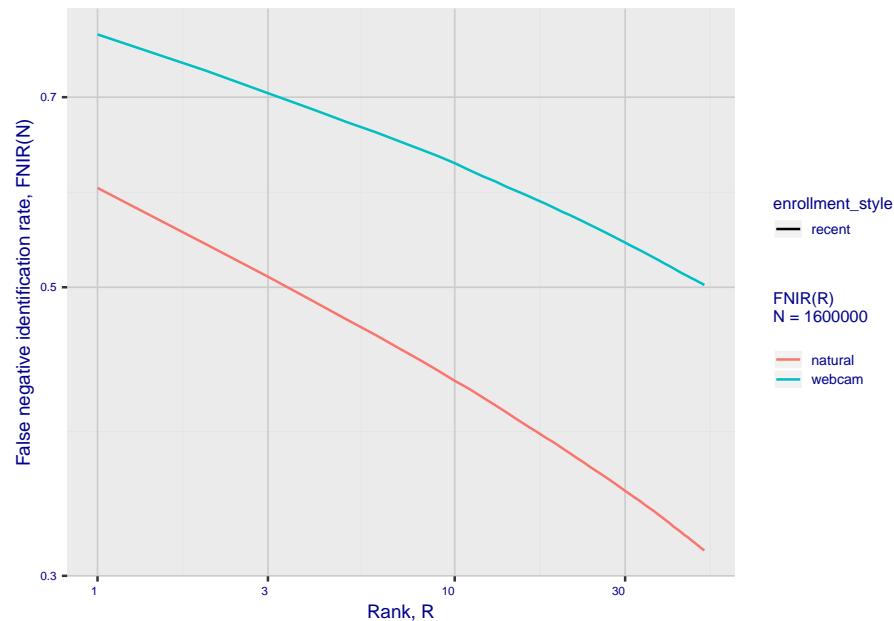


## 2. Report for algorithm microfocus\_0 2020-03-20 13:16:42

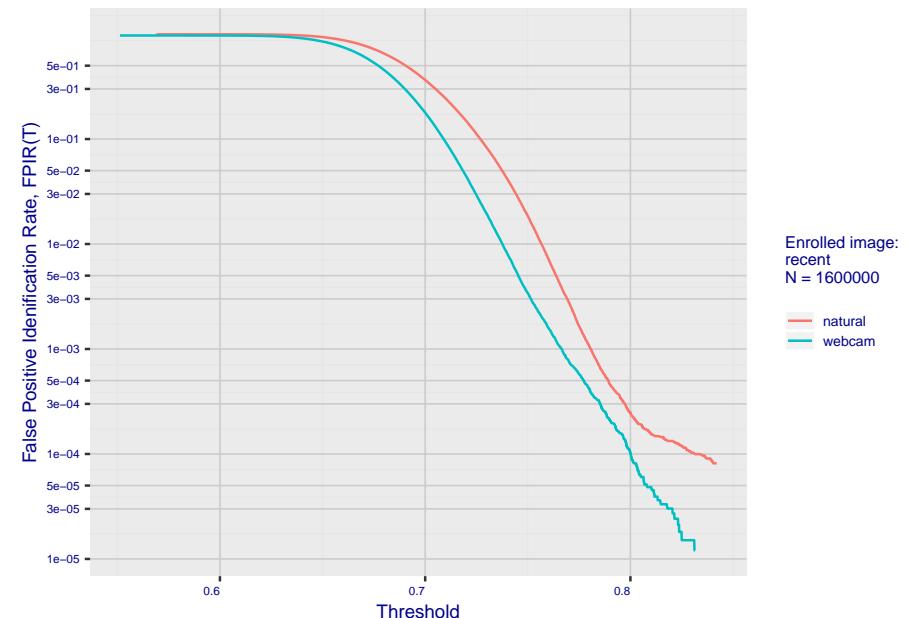
**Fig 5: Dependence on T by number enrolled identities**



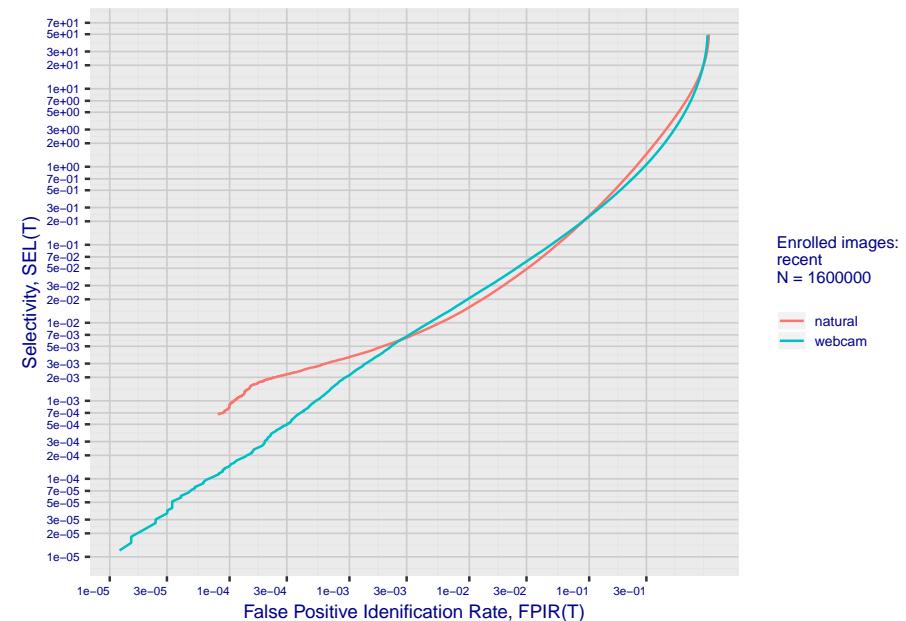
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm microfocus\_0 2020-03-20 13:16:42

Fig 10: Template duration; search duration vs. N

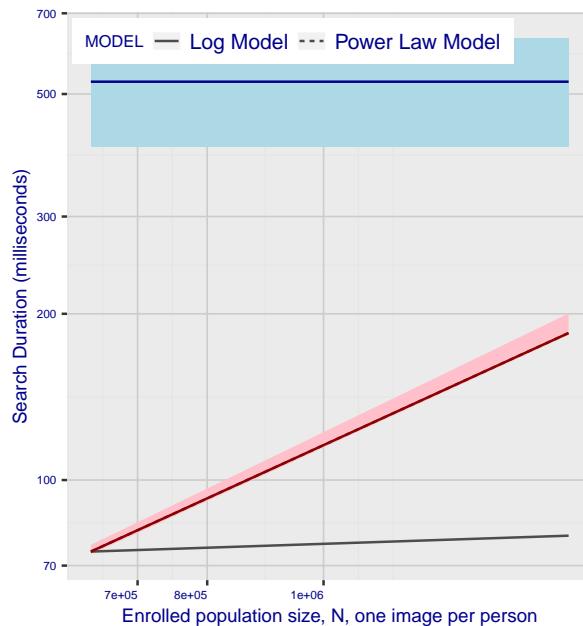
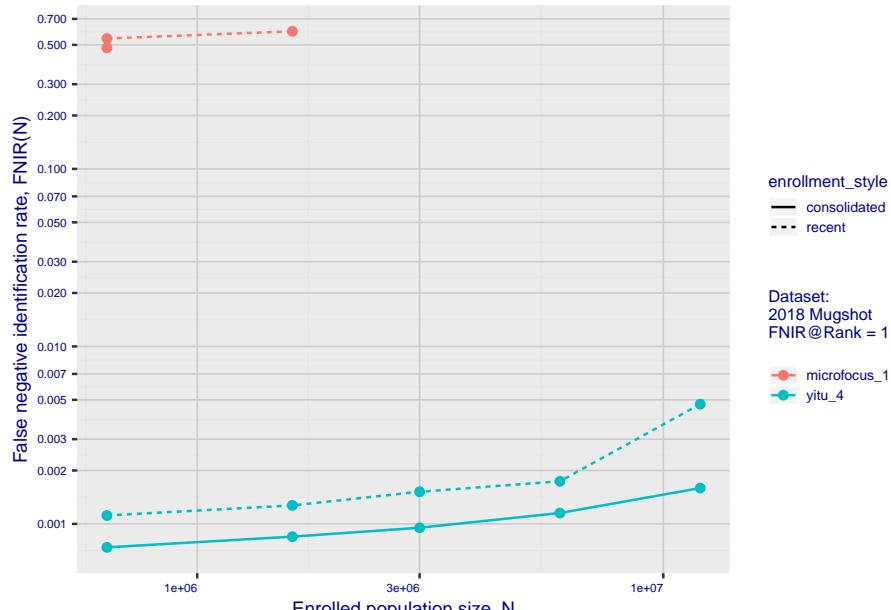


Fig 11: Datasheet

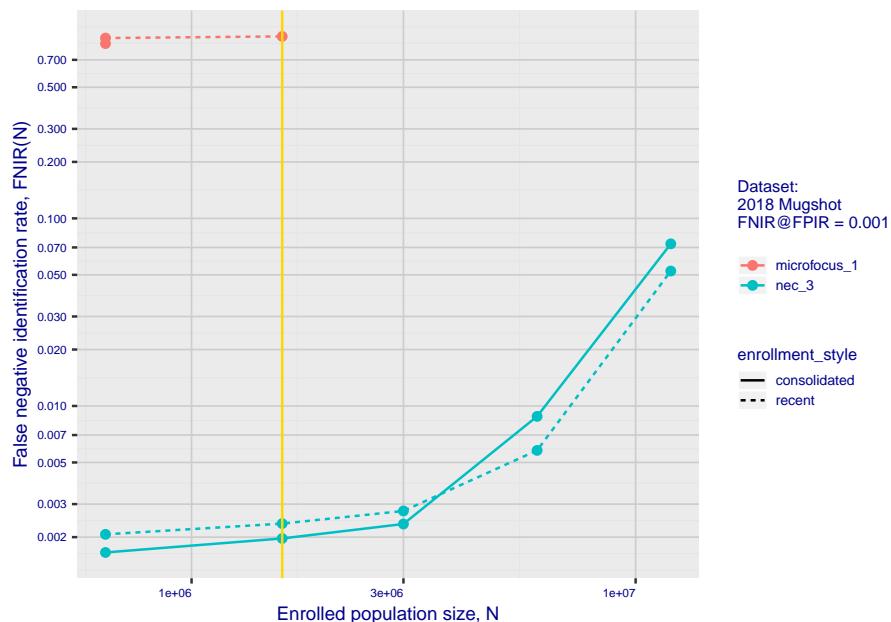
Algorithm: microfocus_0
Developer: MicroFocus
Submission Date: 2018_02_12
Template size: 256 bytes
Template time (2.5 percentile): 400 msec
Template time (median): 526 msec
Template time (97.5 percentile): 631 msec
Investigation rank 231 -- FNIR(1600000, 0, 1) = 0.5961 vs. lowest 0.0010 from sensetime_003
Identification rank 222 -- FNIR(1600000, T, L+1) = 0.9332
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

## 1. Report for algorithm microfocus\_1 2020-03-20 13:16:30

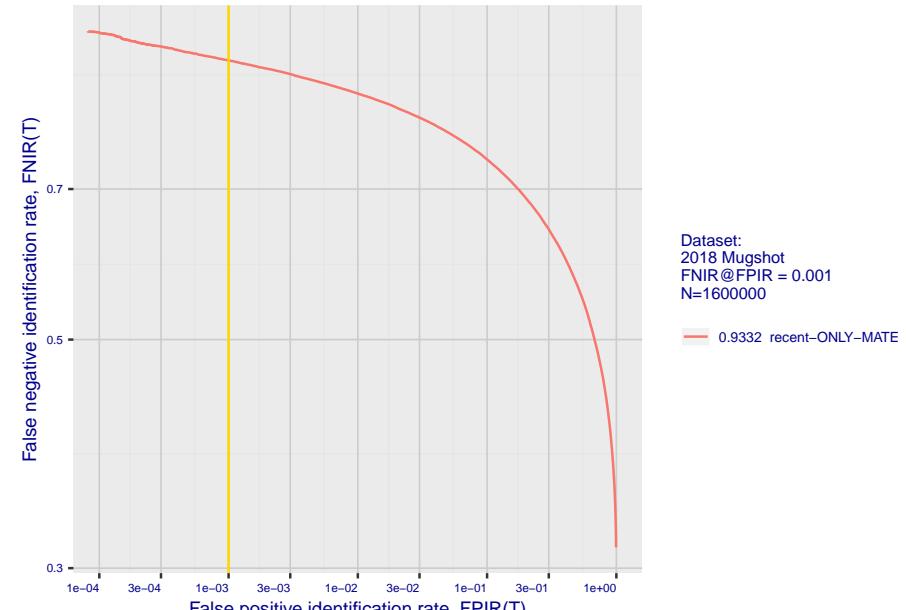
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



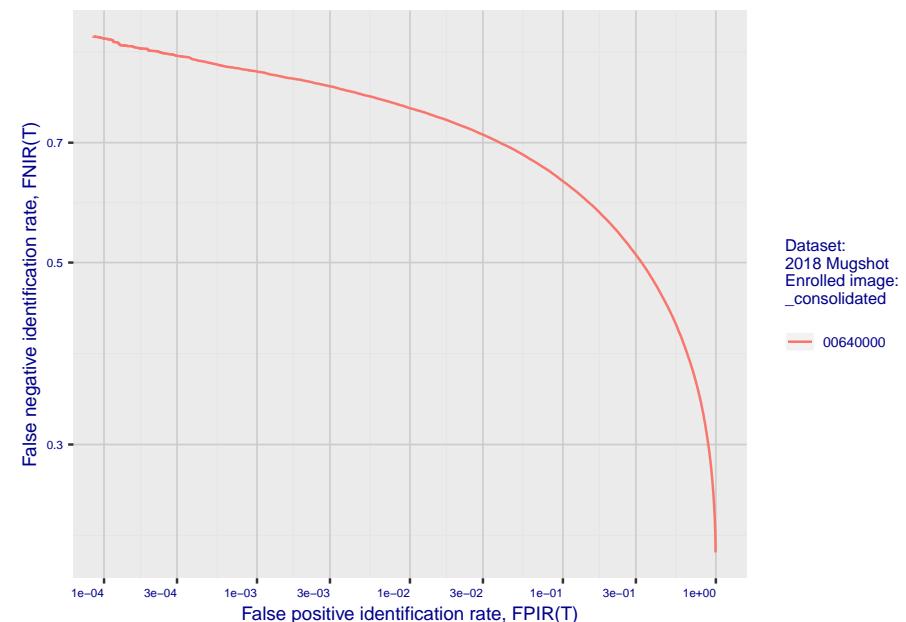
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

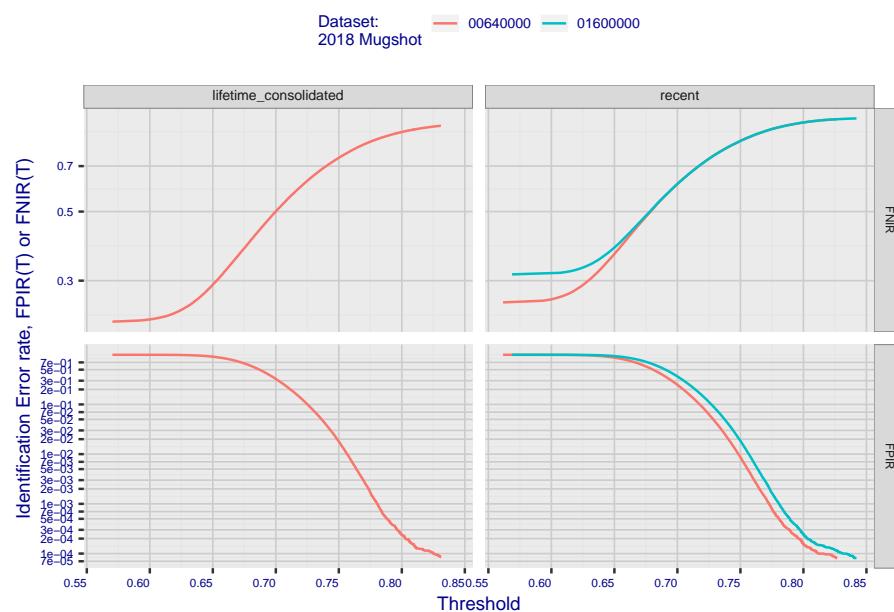


**Fig 4: DET for various N. Links connect points of equal threshold.**

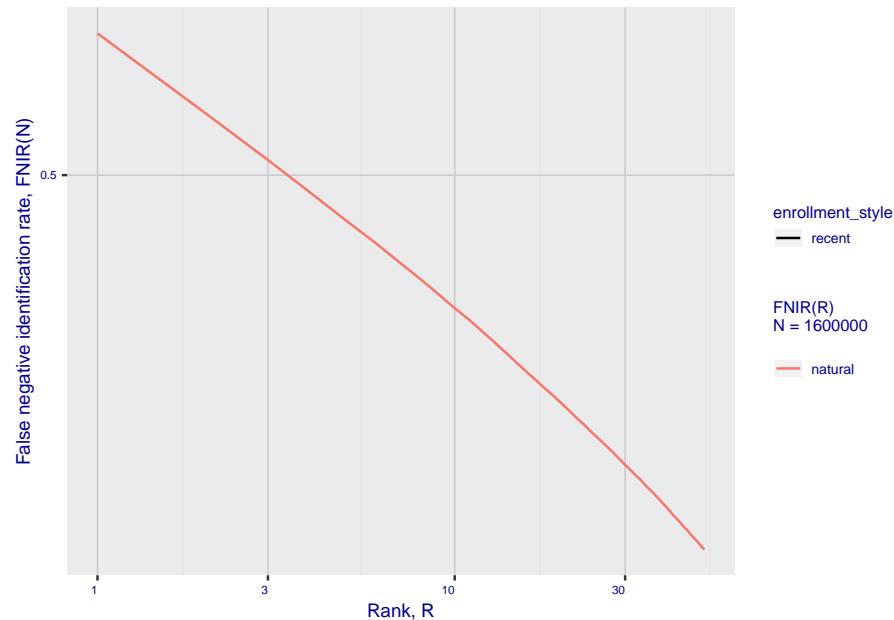


## 2. Report for algorithm microfocus\_1 2020-03-20 13:16:30

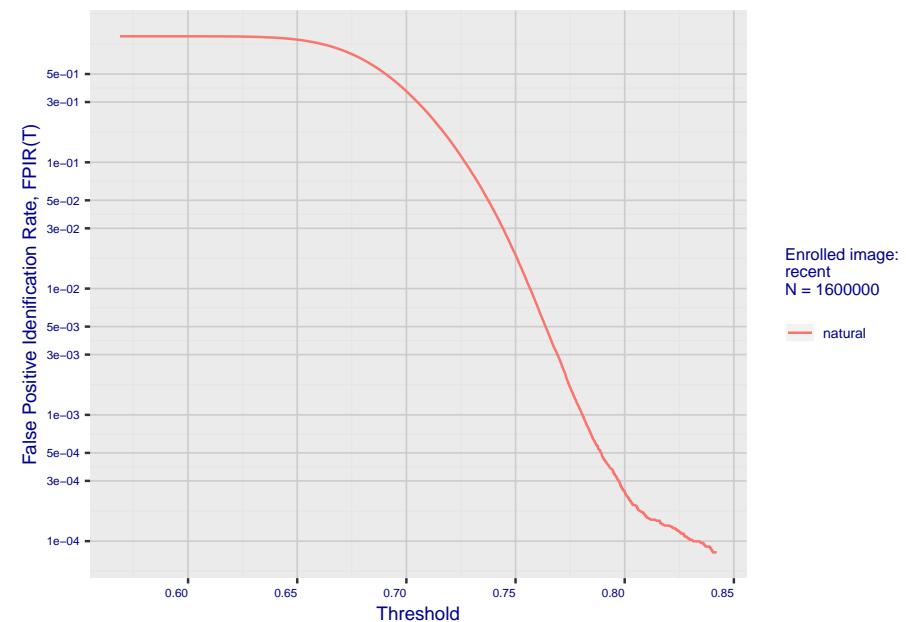
**Fig 5: Dependence on T by number enrolled identities**



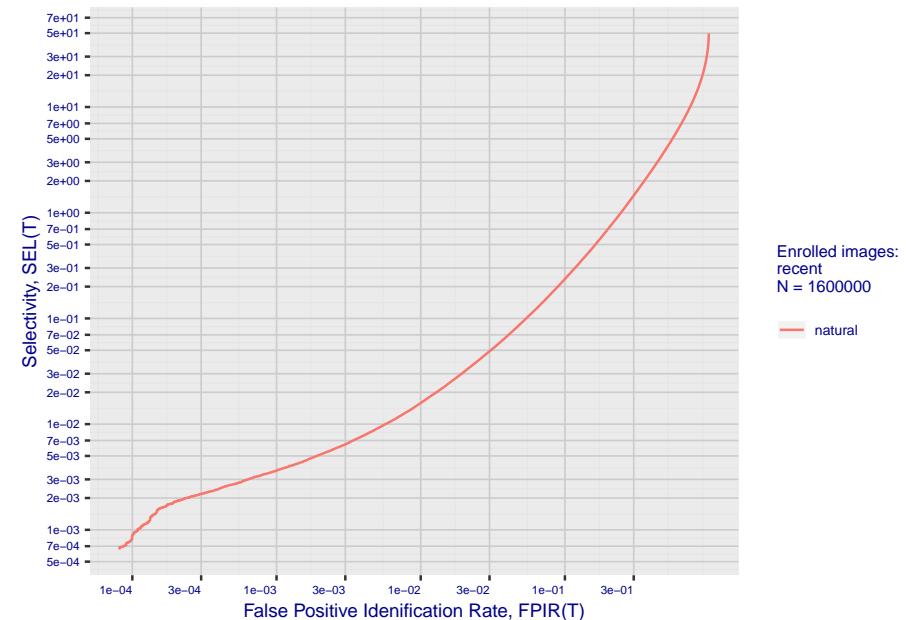
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm microfocus\_1 2020-03-20 13:16:30

Fig 10: Template duration; search duration vs. N

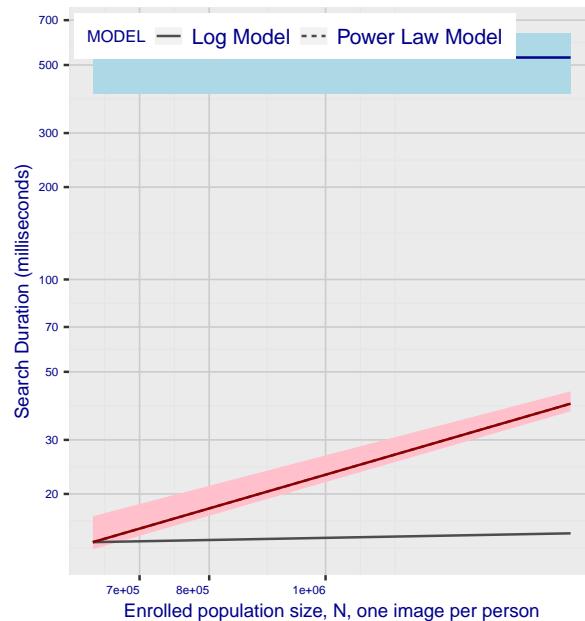
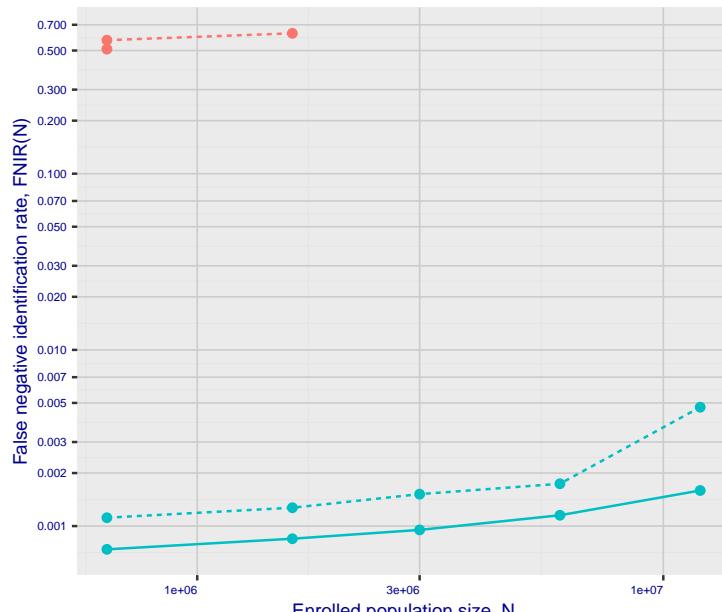


Fig 11: Datasheet

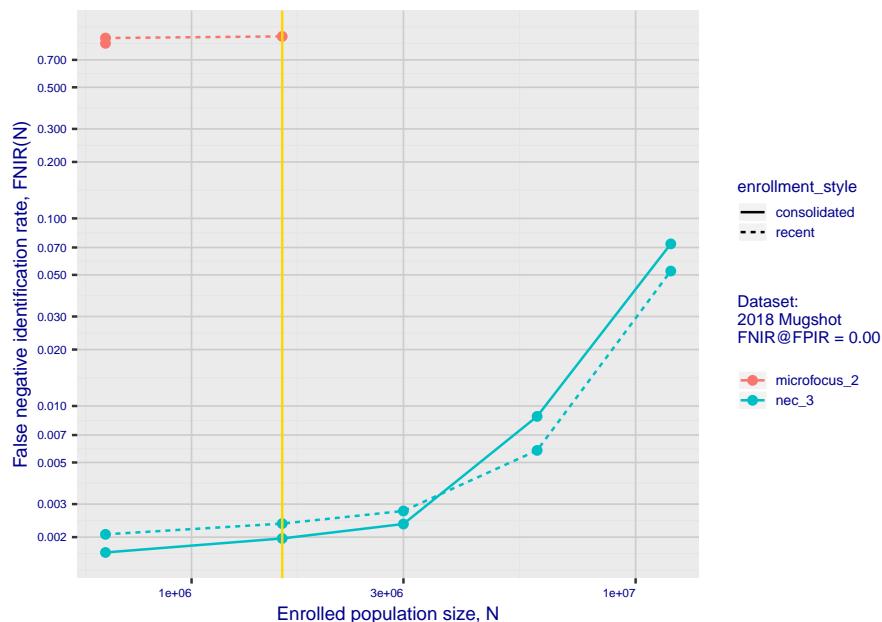
Algorithm: microfocus_1
Developer: MicroFocus
Submission Date: 2018_02_16
Template size: 256 bytes
Template time (2.5 percentile): 403 msec
Template time (median): 529 msec
Template time (97.5 percentile): 634 msec
Investigation rank 232 -- FNIR(1600000, 0, 1) = 0.5961 vs. lowest 0.0010 from sensetime_003
Identification rank 222 -- FNIR(1600000, T, L+1) = 0.9332
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

## 1. Report for algorithm microfocus\_2 2020-03-20 13:19:57

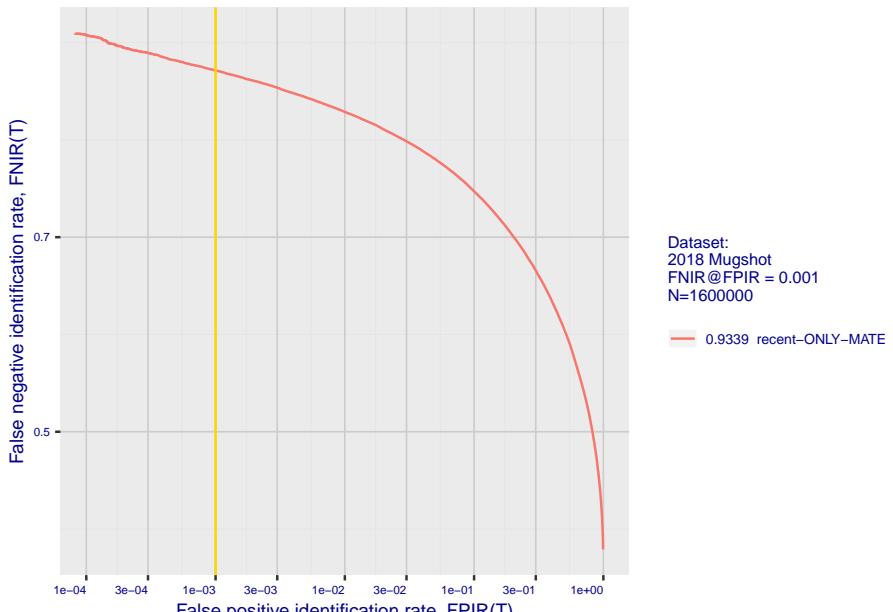
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



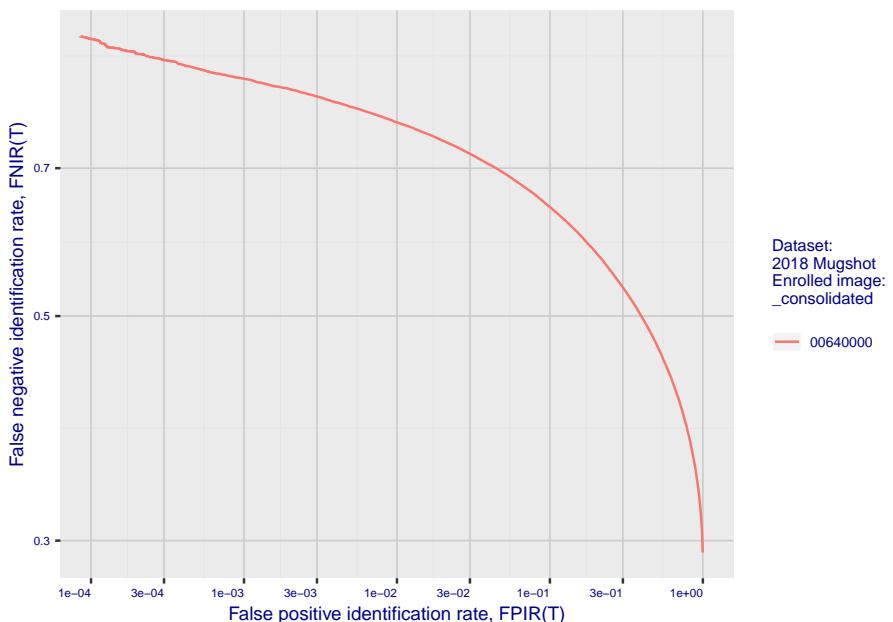
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

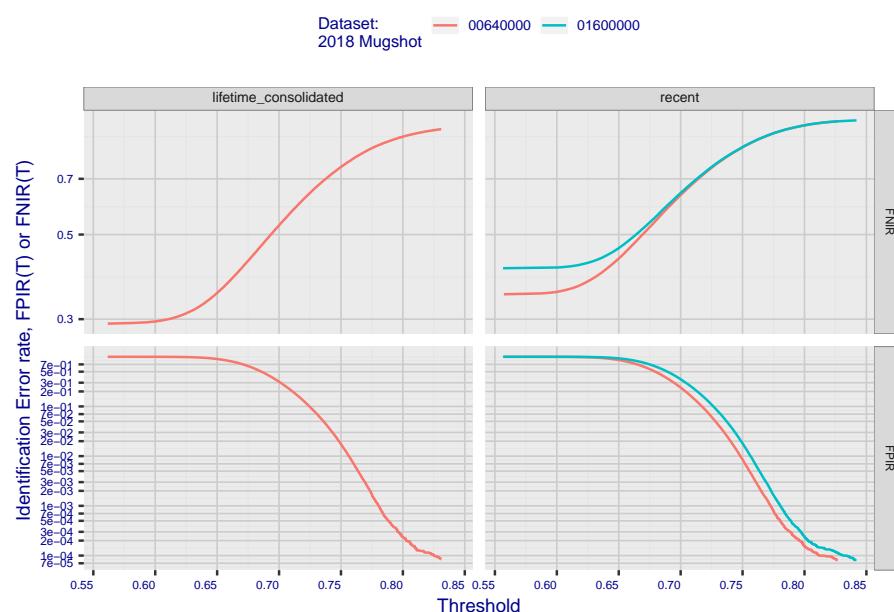


**Fig 4: DET for various N. Links connect points of equal threshold.**

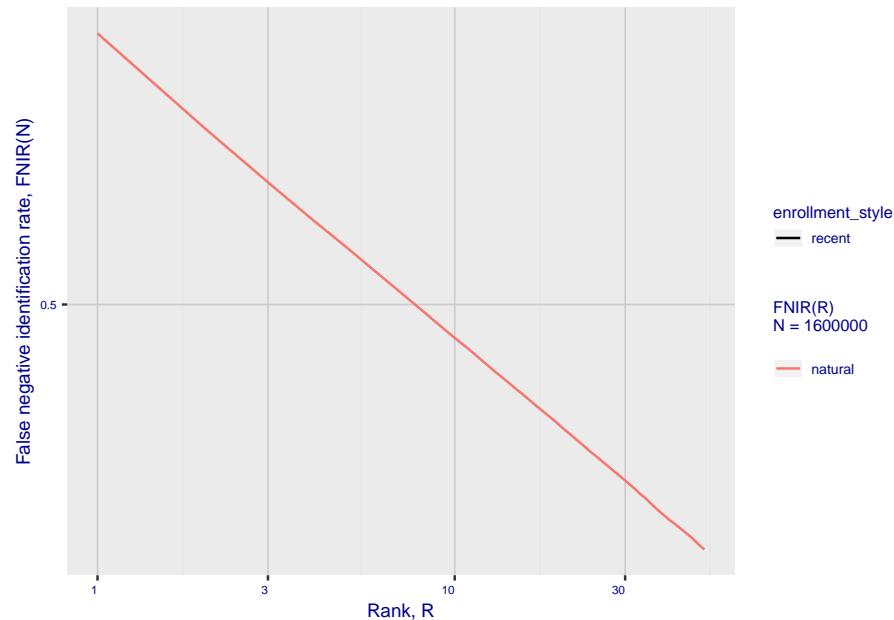


## 2. Report for algorithm microfocus\_2 2020-03-20 13:19:57

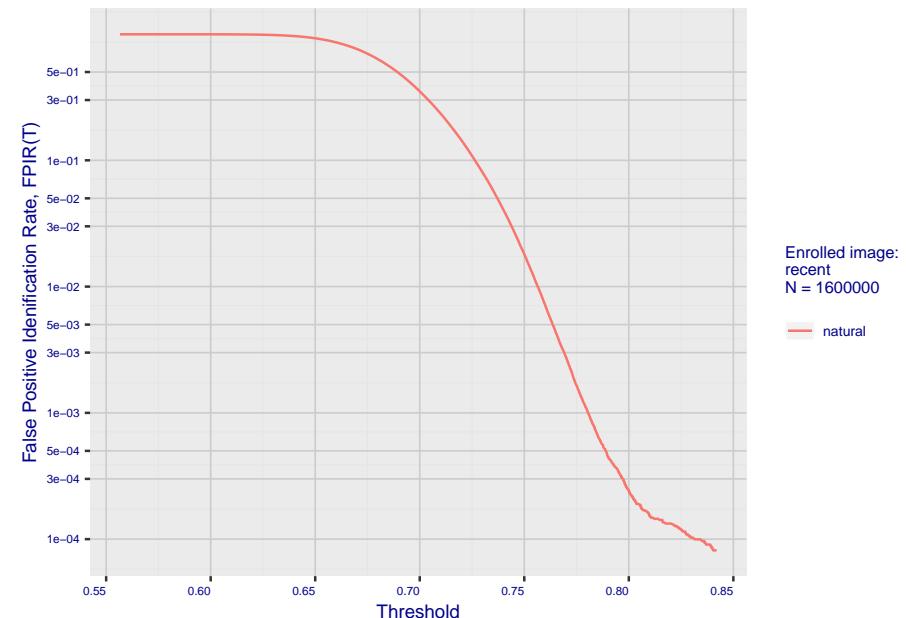
**Fig 5: Dependence on T by number enrolled identities**



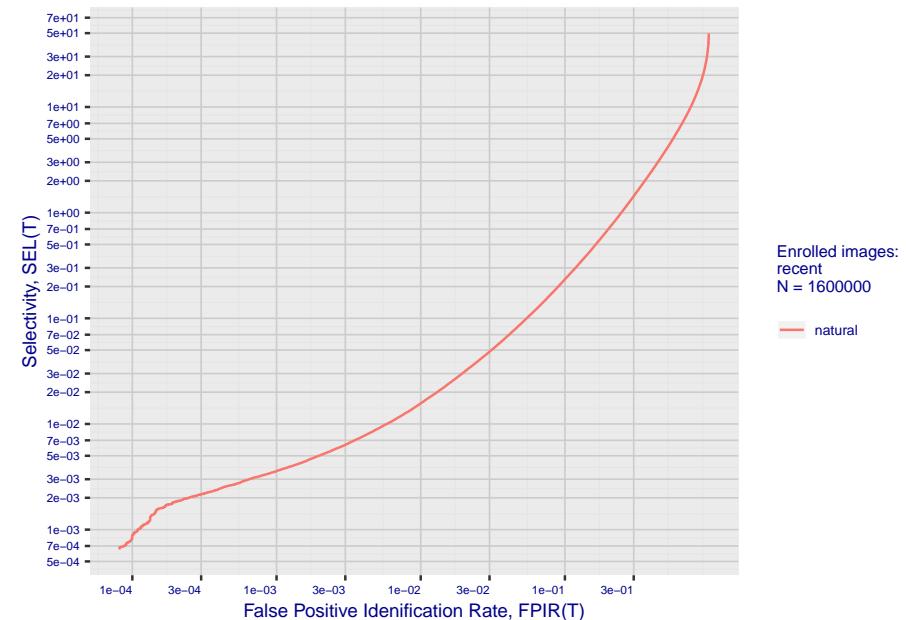
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm microfocus\_2 2020-03-20 13:19:57

Fig 10: Template duration; search duration vs. N

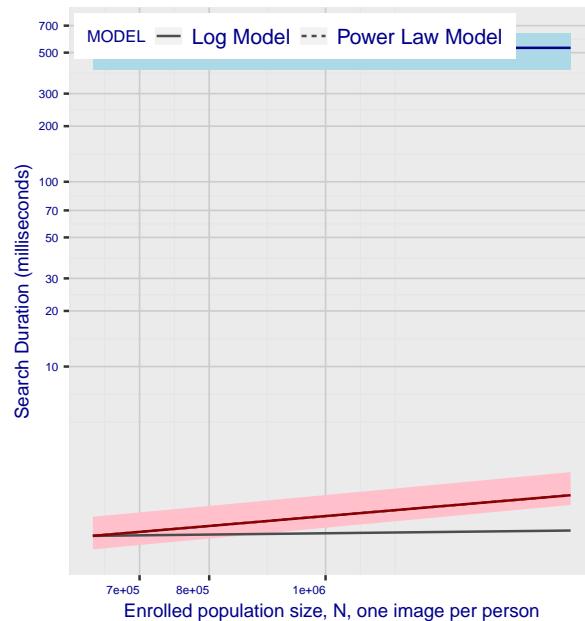
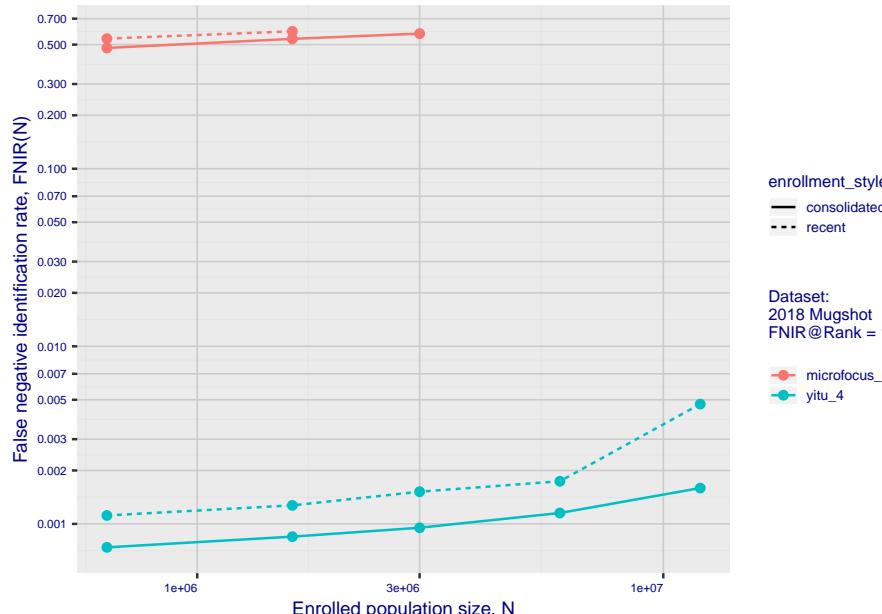


Fig 11: Datasheet

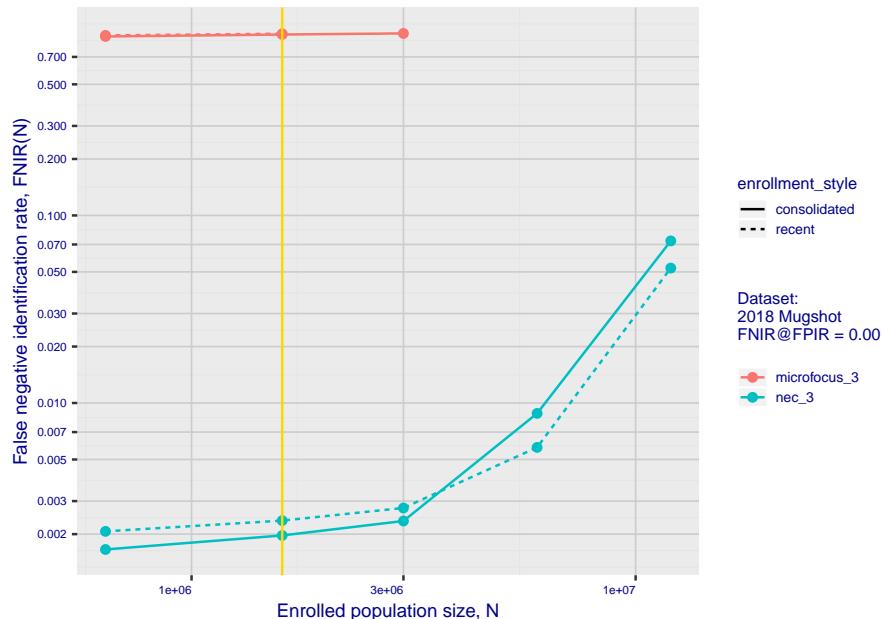
Algorithm: microfocus\_2  
Developer: MicroFocus  
Submission Date: 2018\_02\_16  
Template size: 256 bytes  
Template time (2.5 percentile): 404 msec  
Template time (median): 531 msec  
Template time (97.5 percentile): 636 msec  
Investigation rank 233 -- FNIR(1600000, 0, 1) = 0.6262 vs. lowest 0.0010 from sensetime\_003  
Identification rank 224 -- FNIR(1600000, T, L+1) = 0.9339  
FPIR = 0.001 vs. lowest 0.0018 from sensetime\_003

## 1. Report for algorithm microfocus\_3 2020-03-20 13:20:06

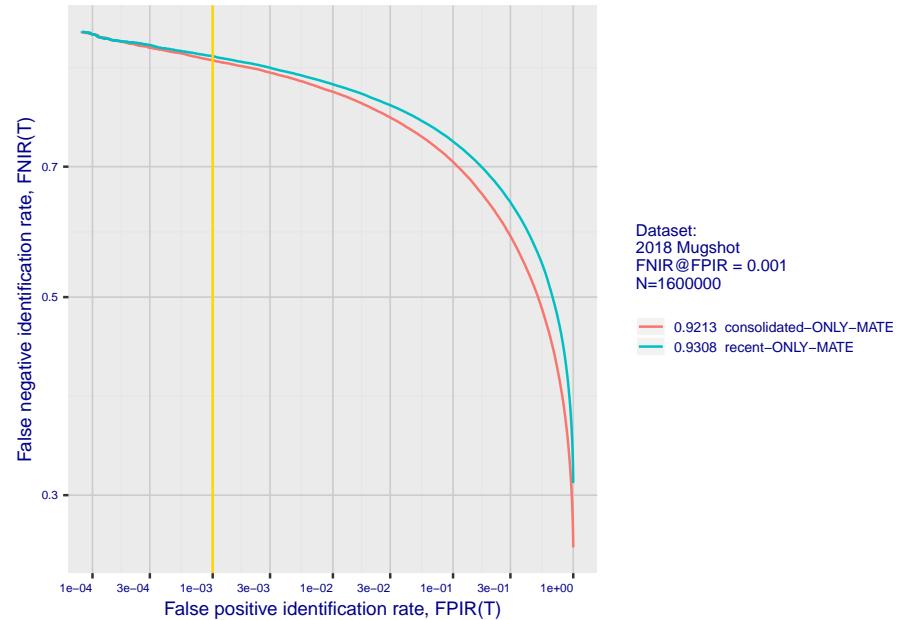
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



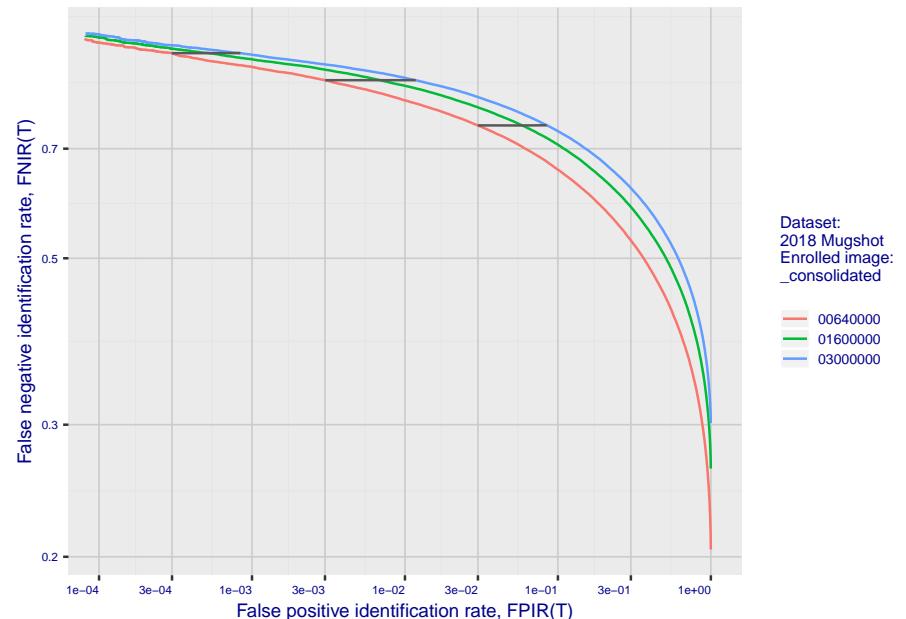
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

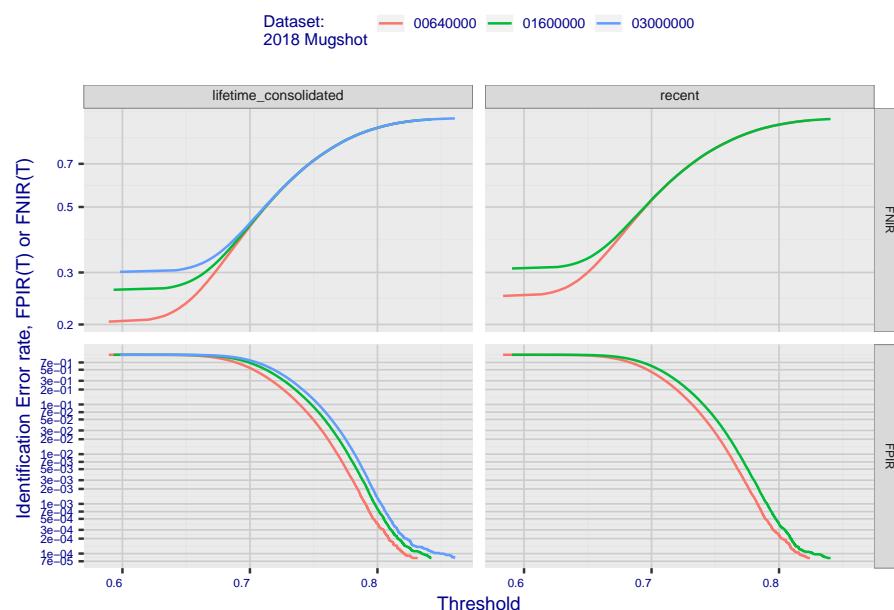


**Fig 4: DET for various N. Links connect points of equal threshold.**

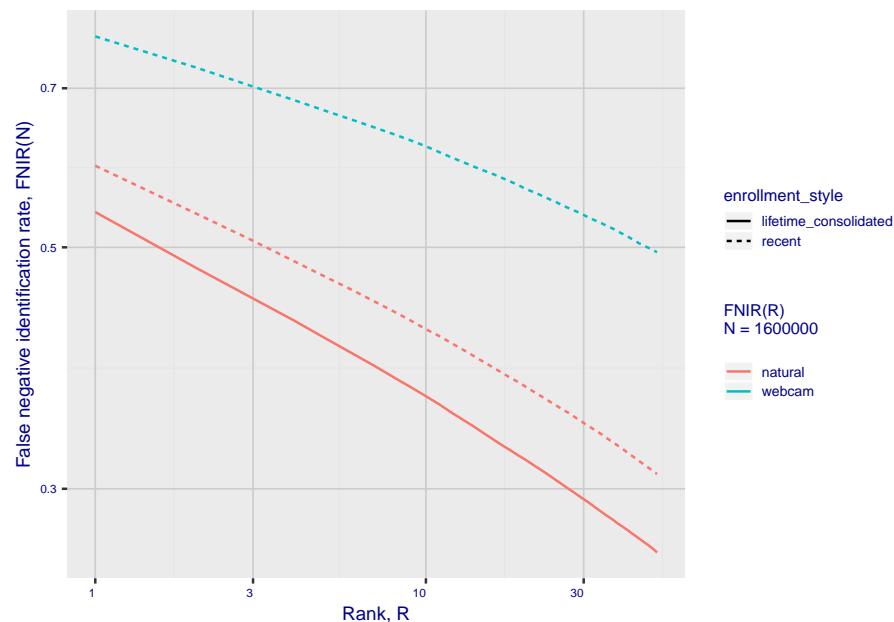


## 2. Report for algorithm microfocus\_3 2020-03-20 13:20:06

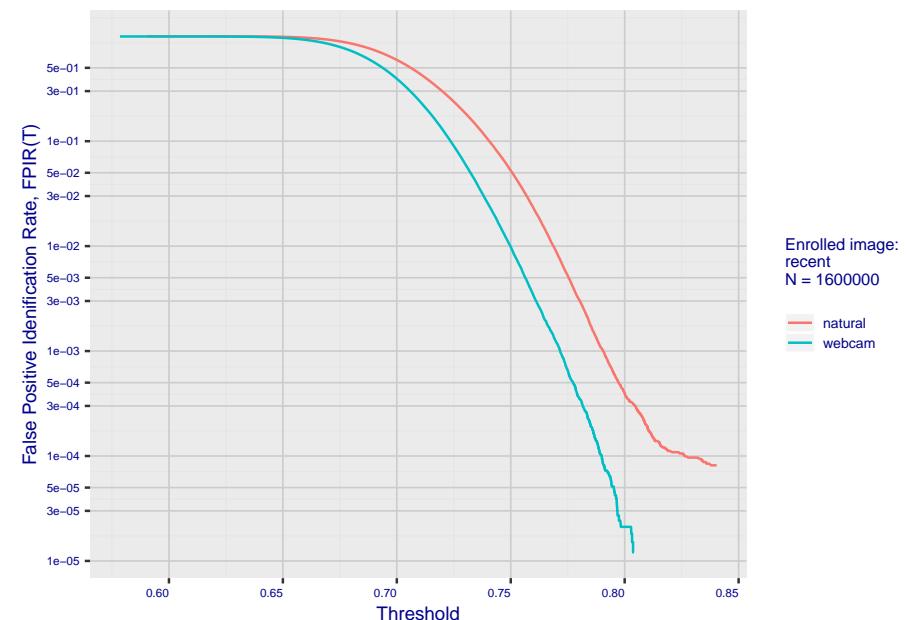
**Fig 5: Dependence on T by number enrolled identities**



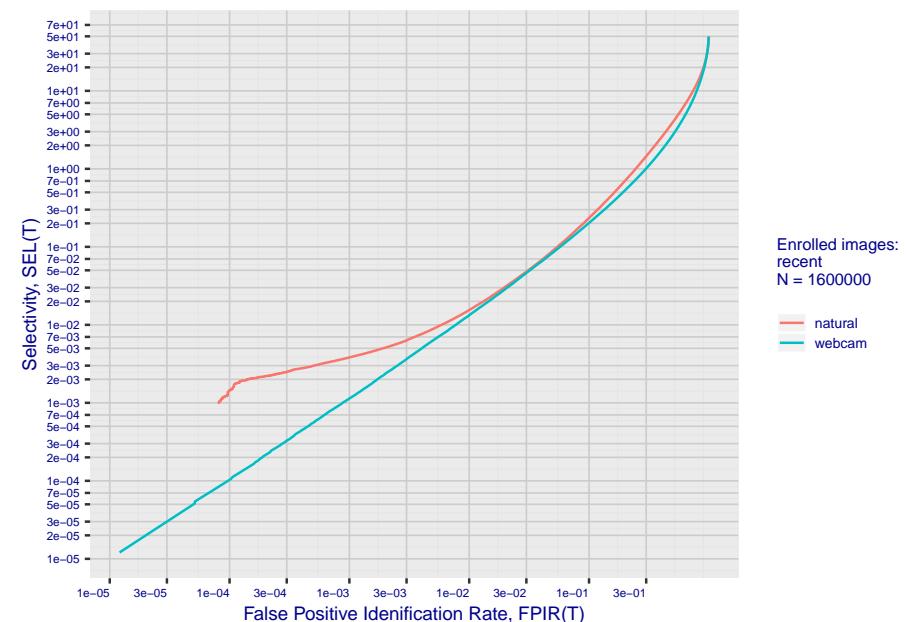
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm microfocus\_3 2020-03-20 13:20:06

Fig 10: Template duration; search duration vs. N

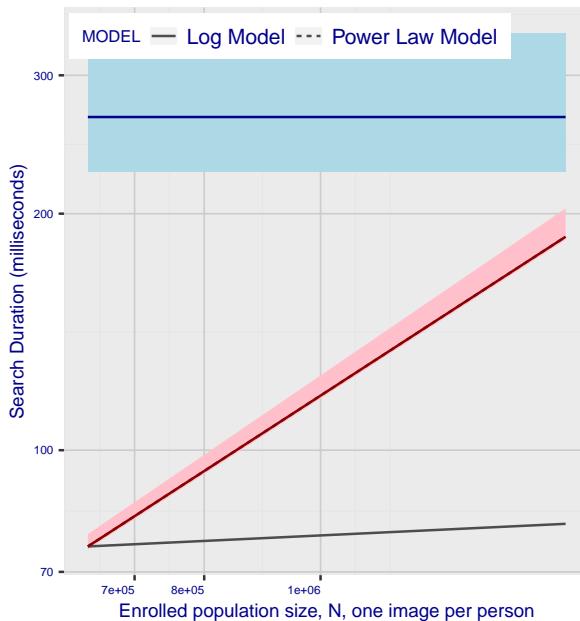
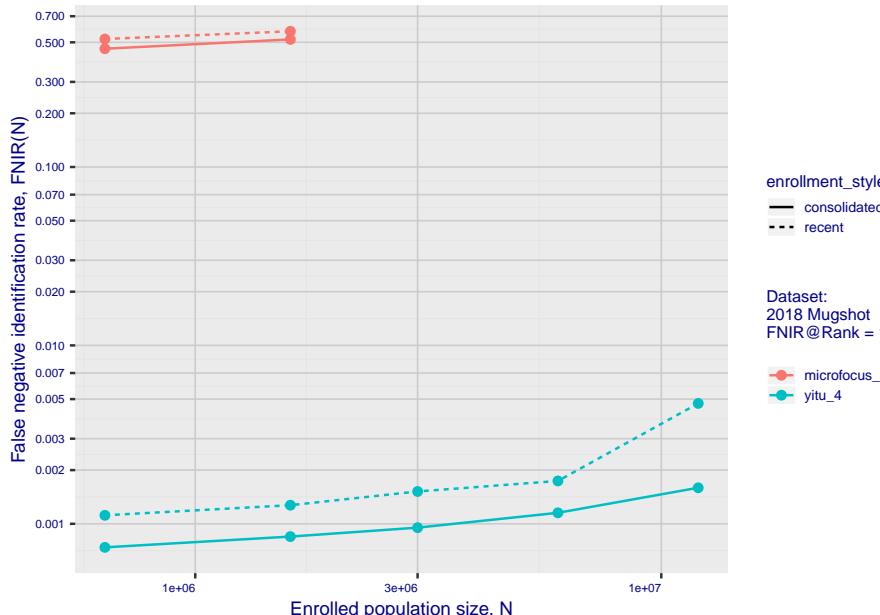


Fig 11: Datasheet

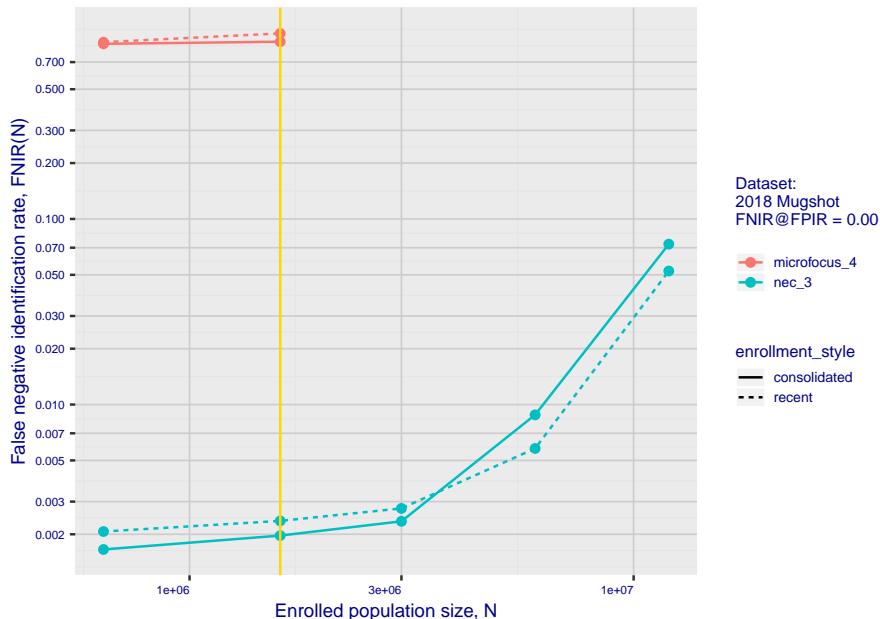
Algorithm: microfocus_3
Developer: MicroFocus
Submission Date: 2018_06_22
Template size: 256 bytes
Template time (2.5 percentile): 226 msec
Template time (median): 265 msec
Template time (97.5 percentile): 339 msec
Investigation rank 230 -- FNIR(1600000, 0, 1) = 0.5942 vs. lowest 0.0010 from sensetime_003
Identification rank 221 -- FNIR(1600000, T, L+1) = 0.9308
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm microfocus\_4 2020-03-20 13:16:33

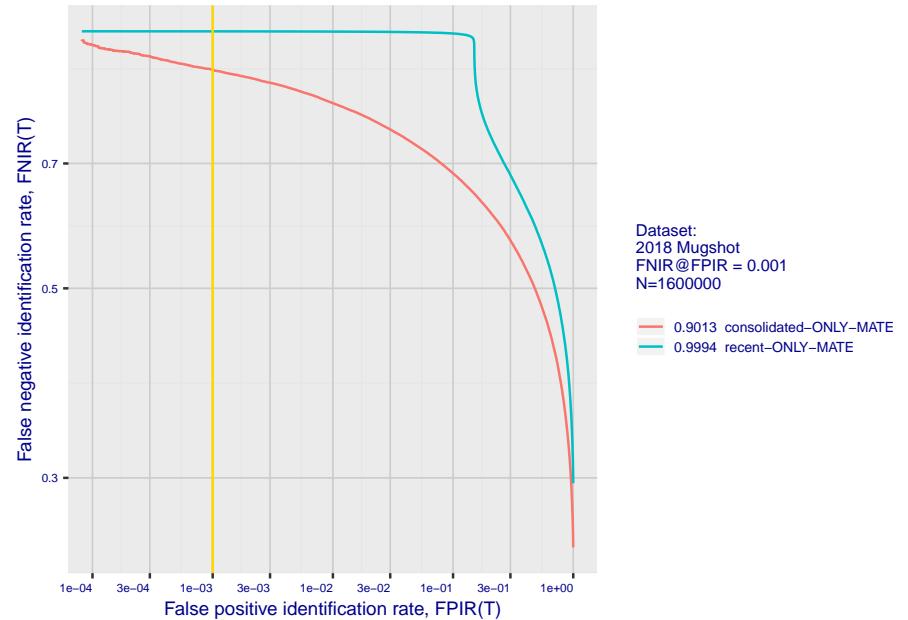
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



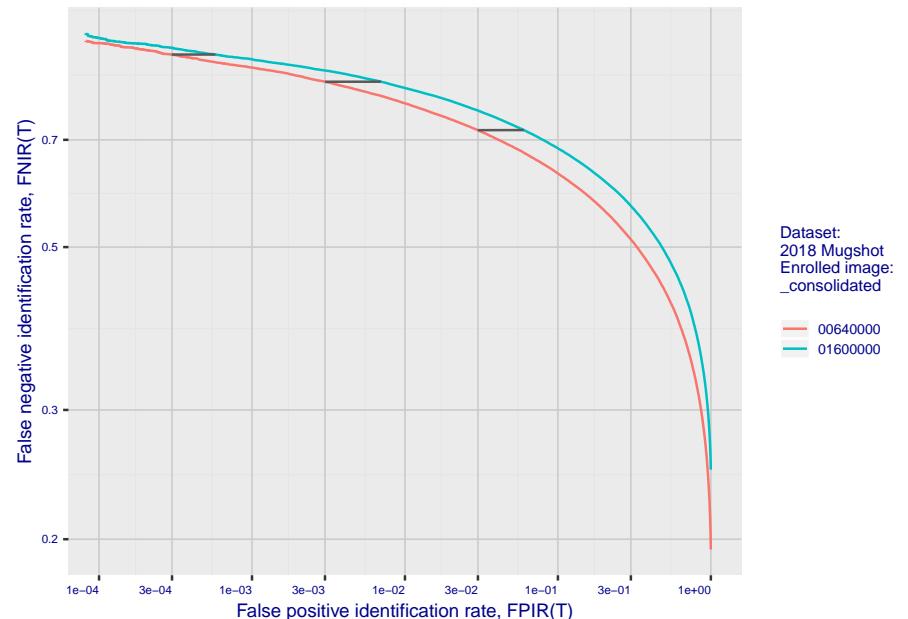
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

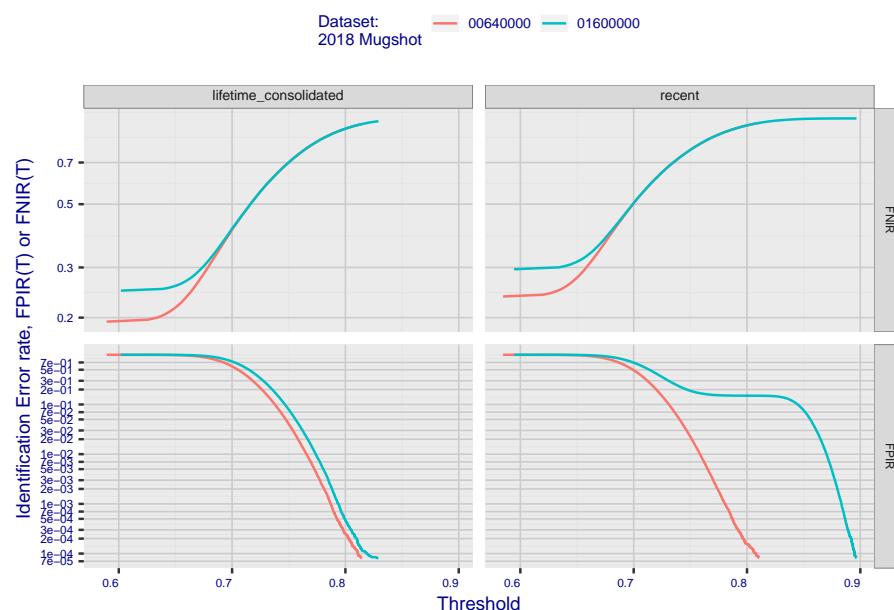


**Fig 4: DET for various N. Links connect points of equal threshold.**

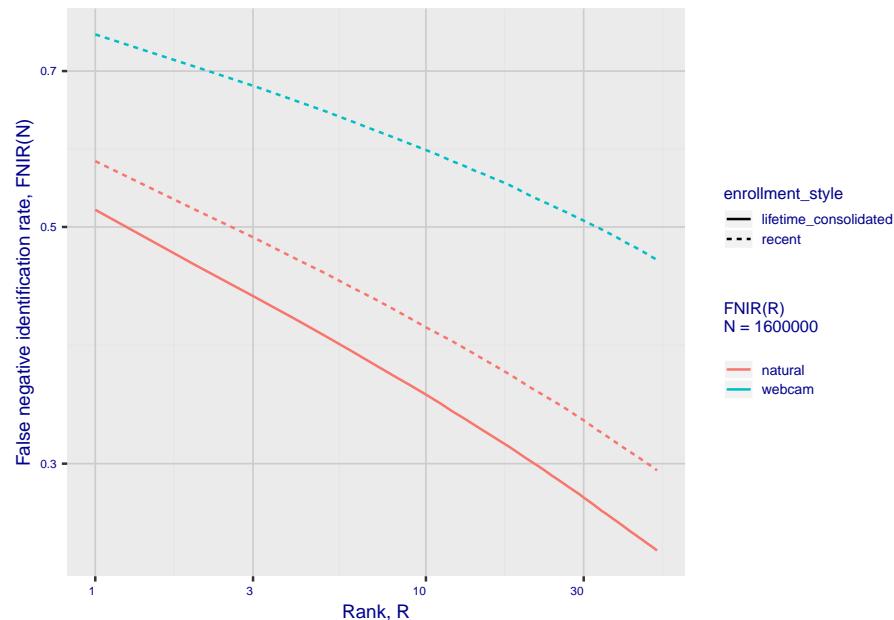


## 2. Report for algorithm microfocus\_4 2020-03-20 13:16:33

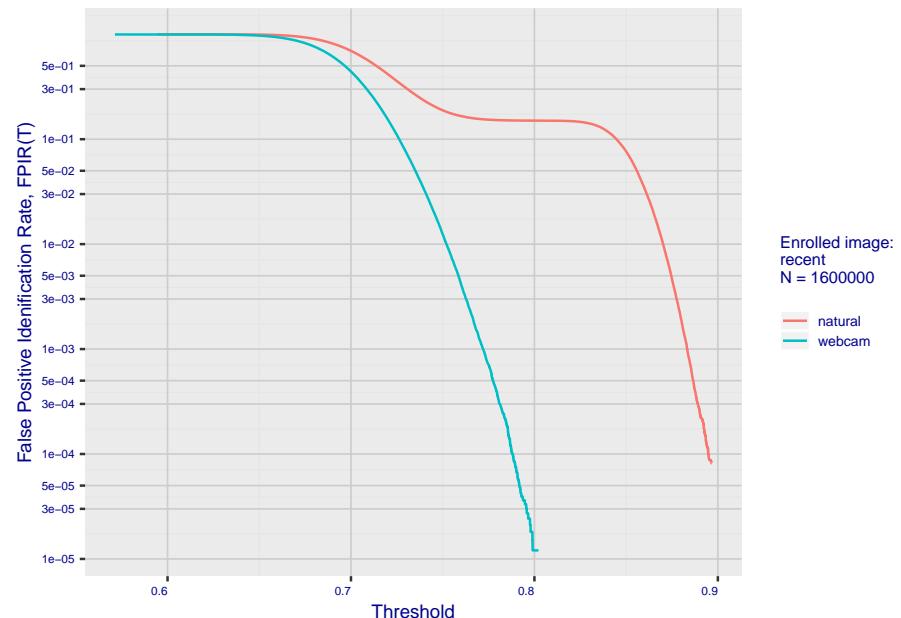
**Fig 5: Dependence on T by number enrolled identities**



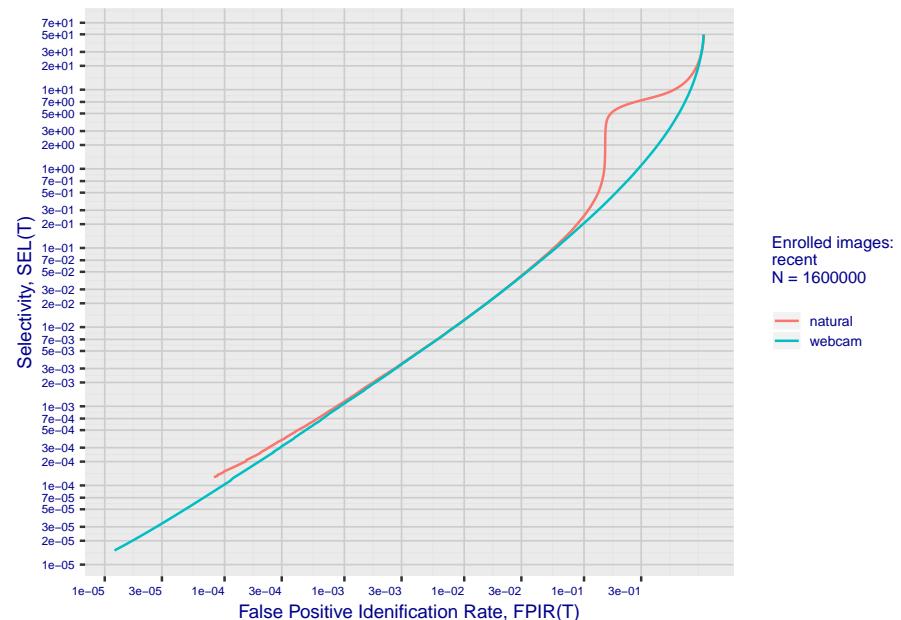
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm microfocus\_4 2020-03-20 13:16:33

Fig 10: Template duration; search duration vs. N

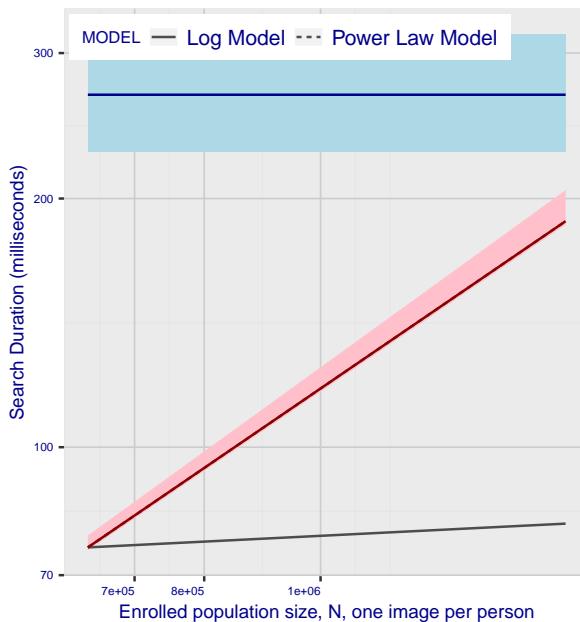
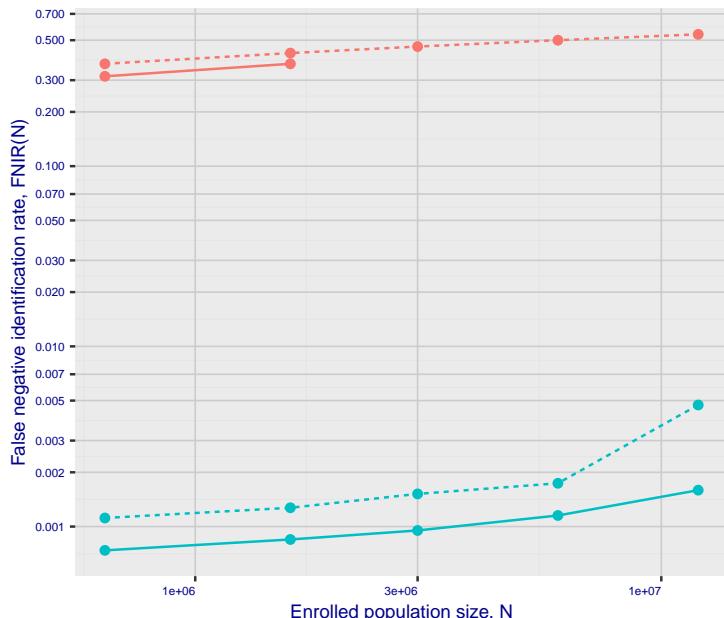


Fig 11: Datasheet

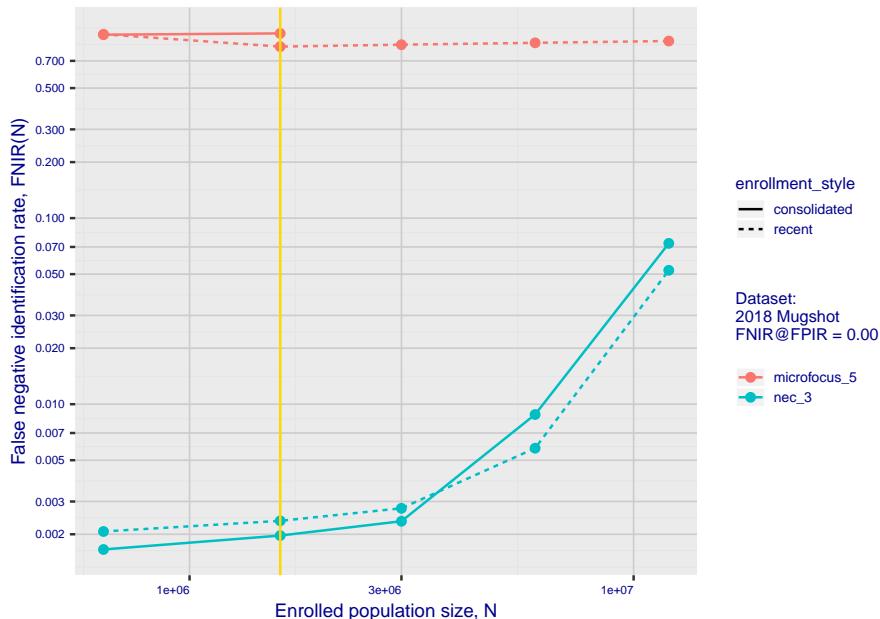
Algorithm: microfocus_4
Developer: MicroFocus
Submission Date: 2018_06_22
Template size: 256 bytes
Template time (2.5 percentile): 228 msec
Template time (median): 267 msec
Template time (97.5 percentile): 316 msec
Investigation rank 229 -- FNIR(1600000, 0, 1) = 0.5763 vs. lowest 0.0010 from sensetime_003
Identification rank 232 -- FNIR(1600000, T, L+1) = 0.9994
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

## 1. Report for algorithm microfocus\_5 2020-03-20 13:17:28

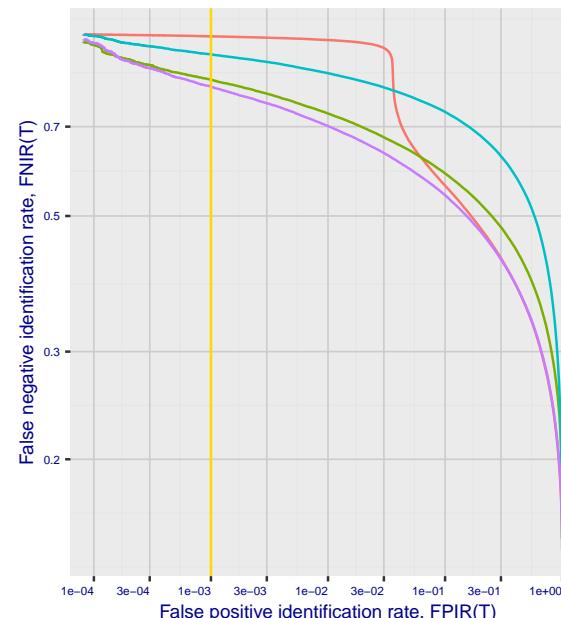
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



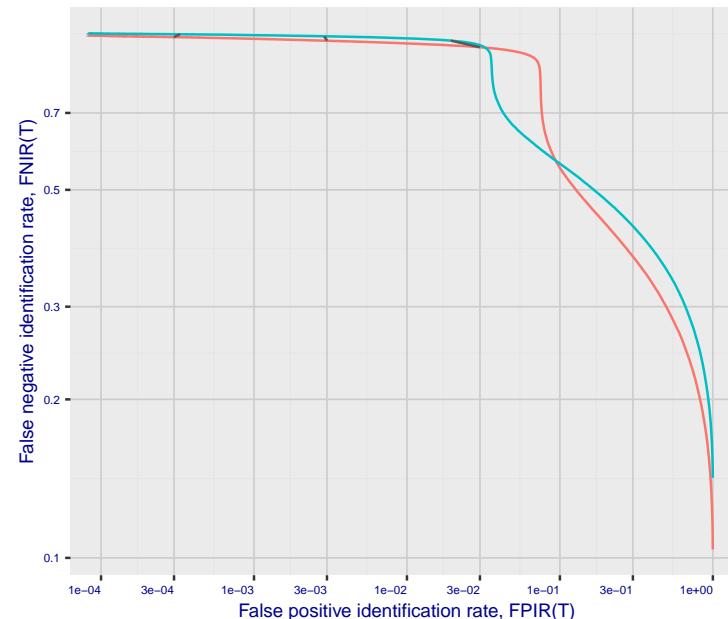
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**



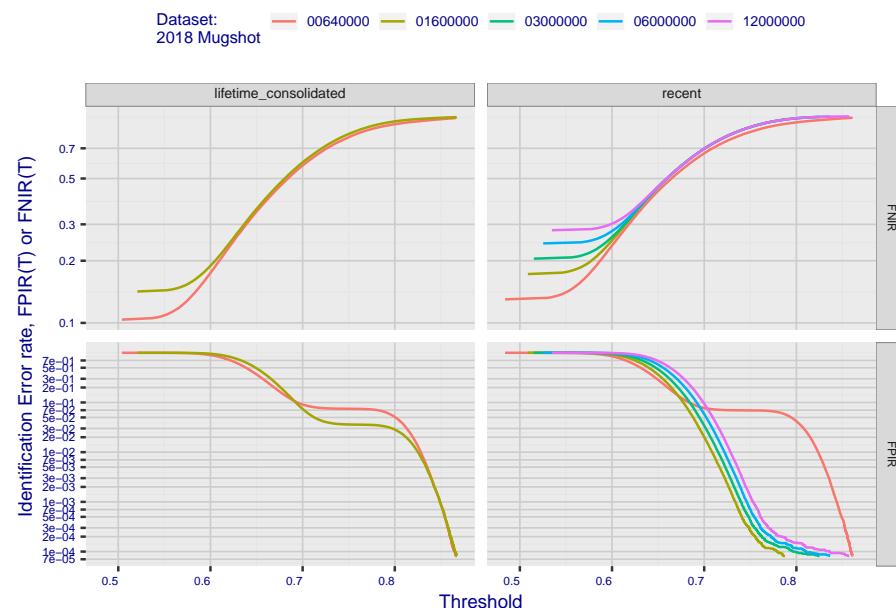
Dataset:  
2018 Mugshot  
Enrolled image:  
\_consolidated

00640000

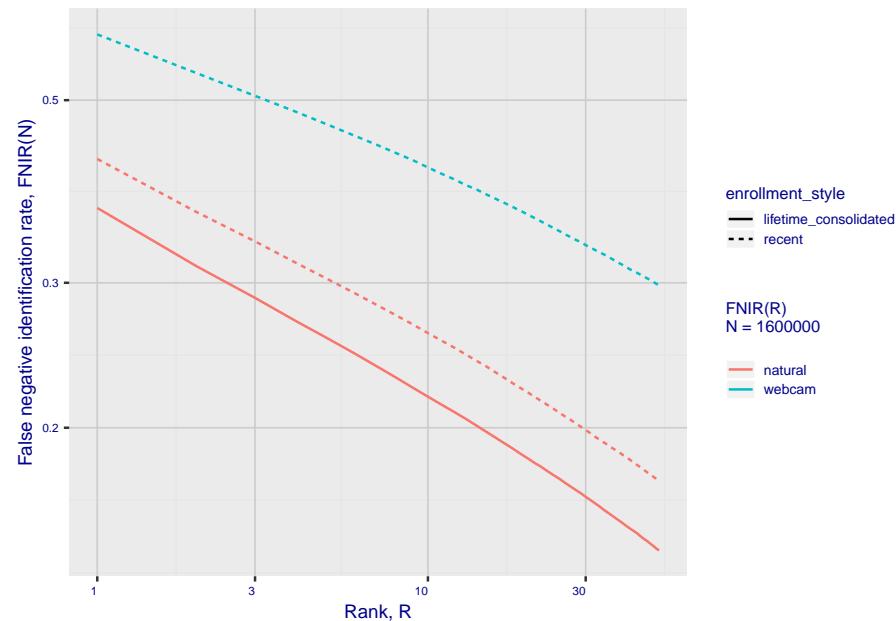
01600000

## 2. Report for algorithm microfocus\_5 2020-03-20 13:17:28

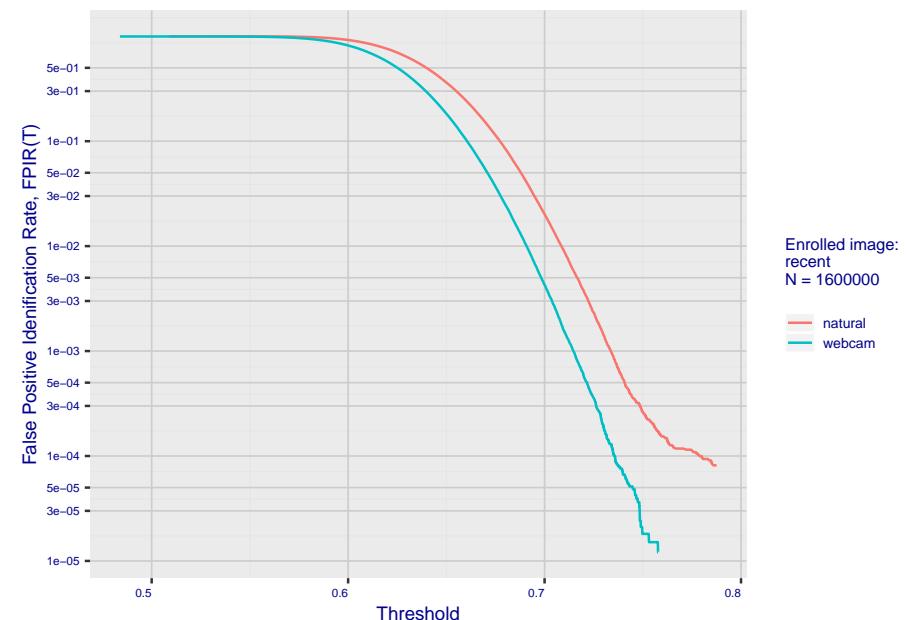
**Fig 5: Dependence on T by number enrolled identities**



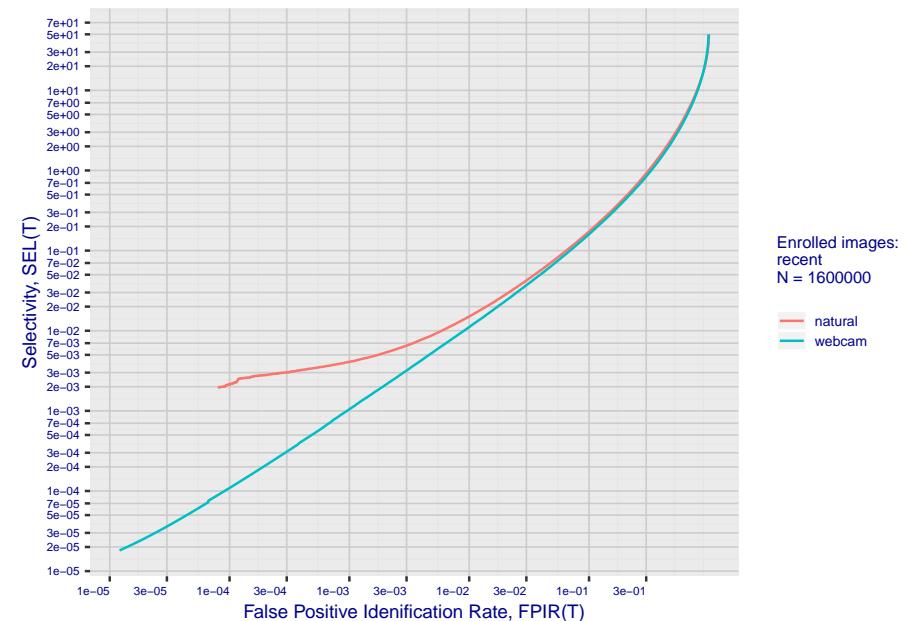
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

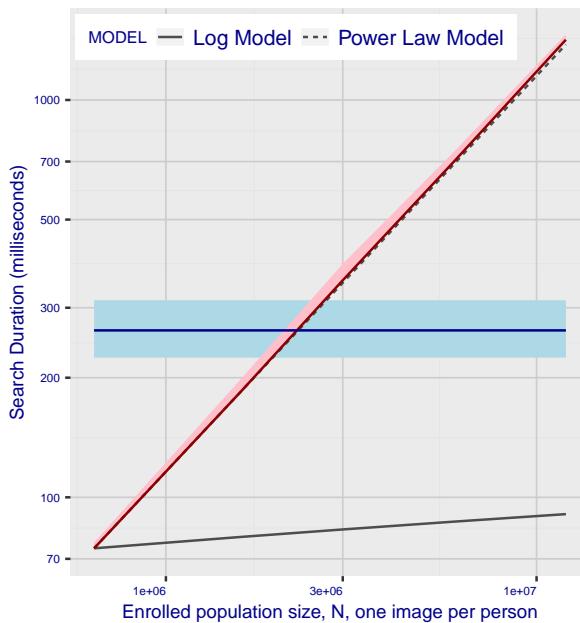


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm microfocus\_5 2020-03-20 13:17:28

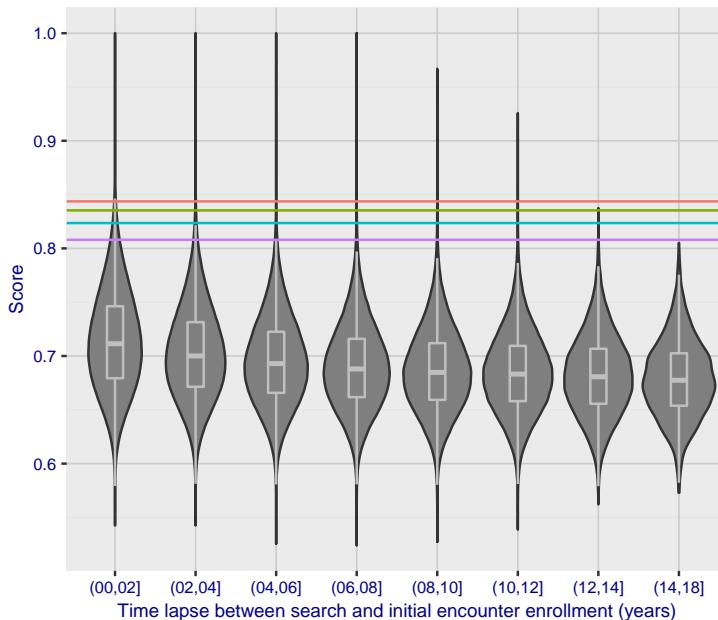
**Fig 10: Template duration; search duration vs. N**



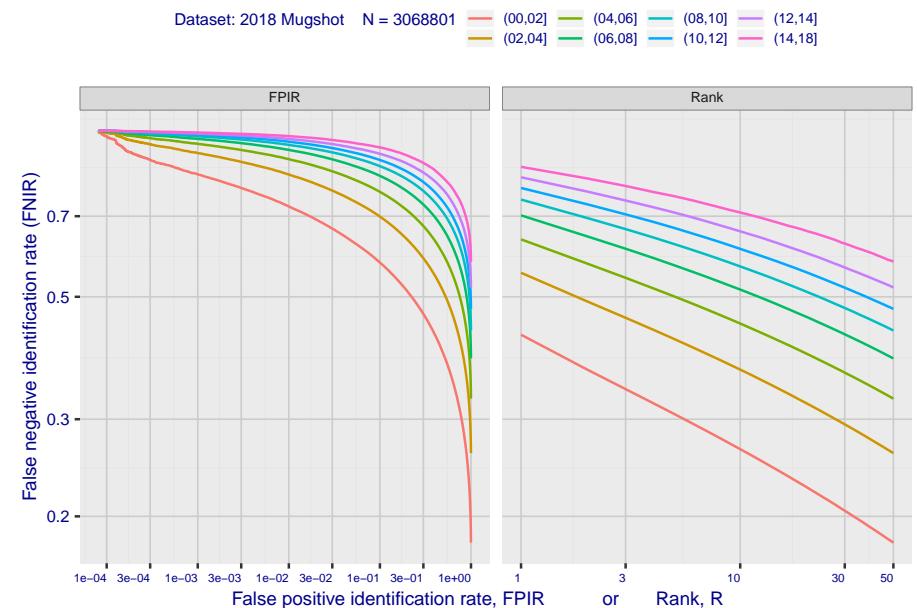
**Fig 11: Datasheet**

Algorithm: microfocus_5
Developer: MicroFocus
Submission Date: 2018_10_29
Template size: 256 bytes
Template time (2.5 percentile): 225 msec
Template time (median): 263 msec
Template time (97.5 percentile): 313 msec
Investigation rank 225 -- FNIR(1600000, 0, 1) = 0.4242 vs. lowest 0.0010 from sensetime_003
Identification rank 218 -- FNIR(1600000, T, L+1) = 0.8352
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

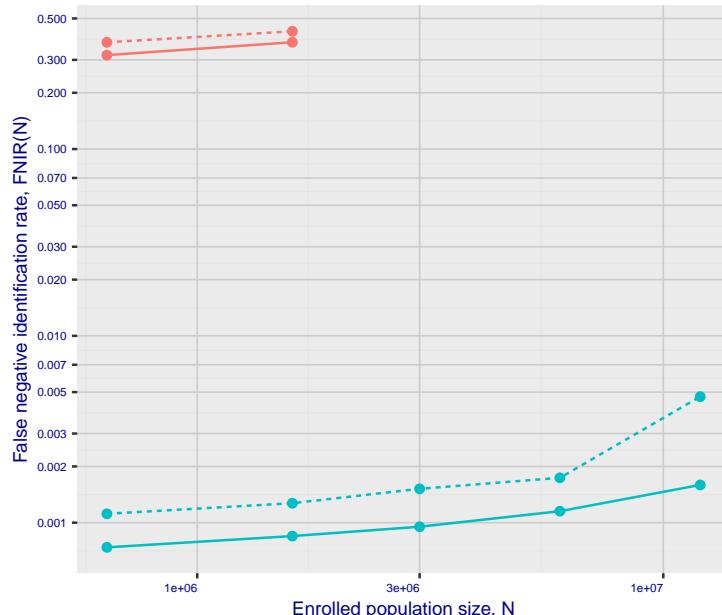


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

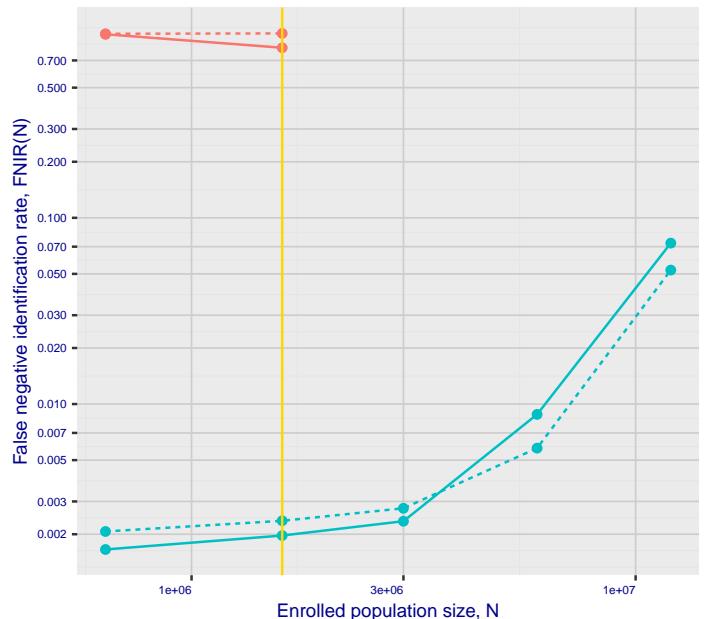


## 1. Report for algorithm microfocus\_6 2020-03-20 13:20:21

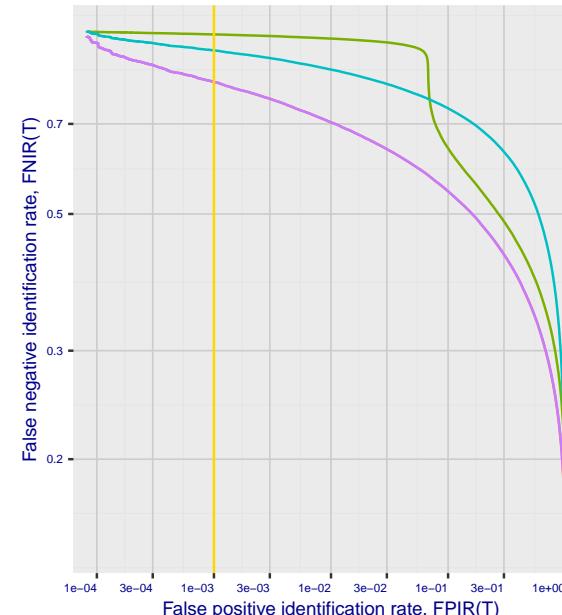
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



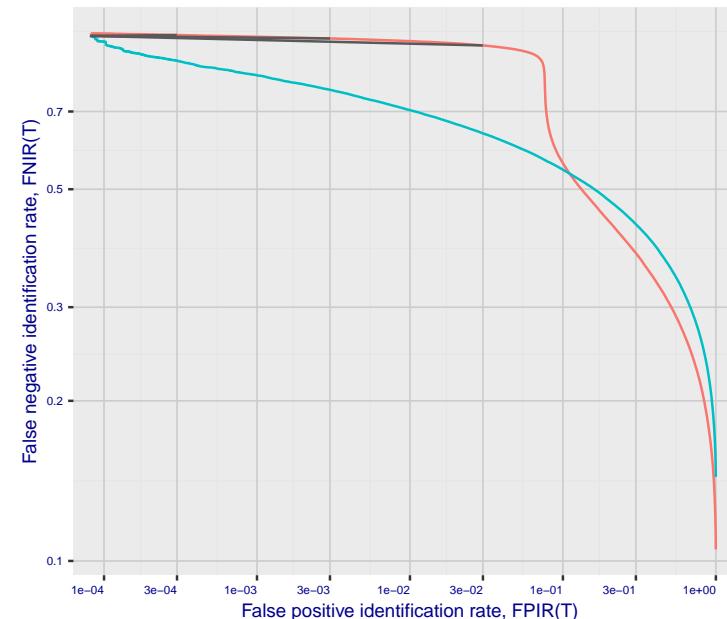
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

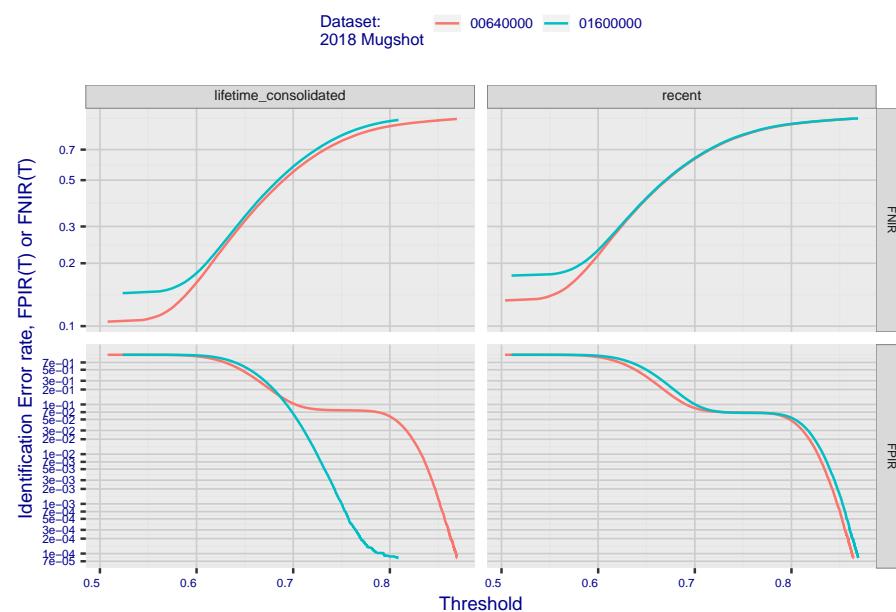


**Fig 4: DET for various N. Links connect points of equal threshold.**

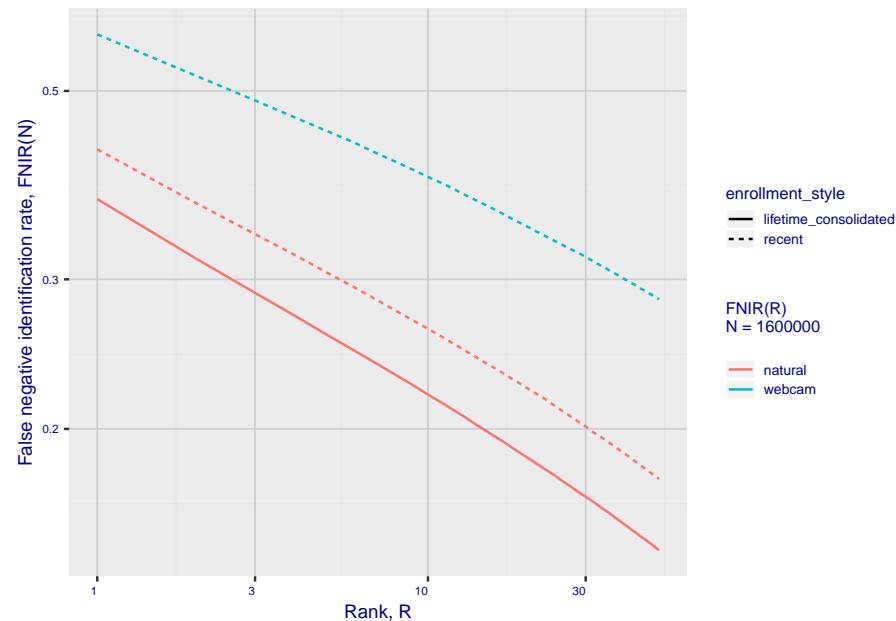


## 2. Report for algorithm microfocus\_6 2020-03-20 13:20:21

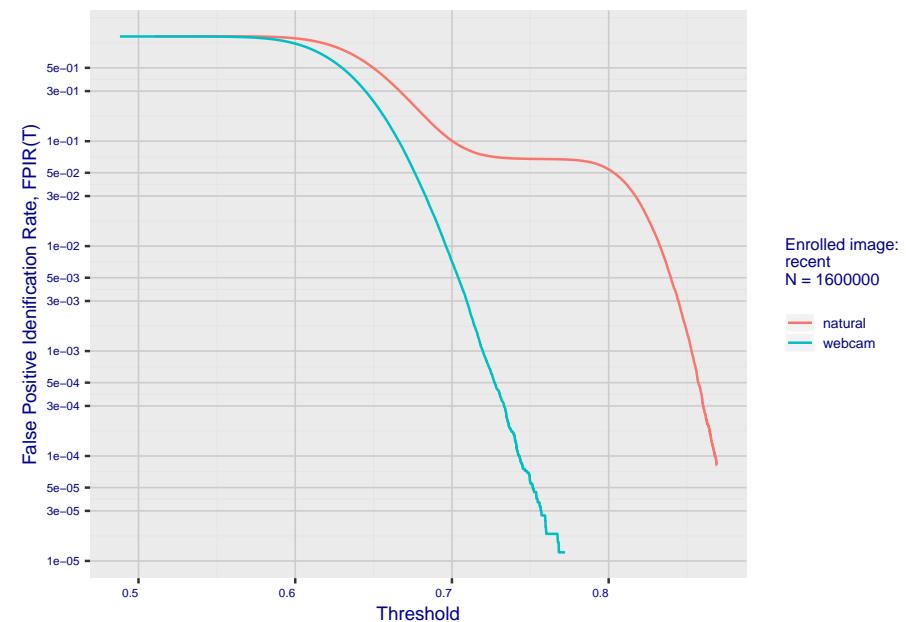
**Fig 5: Dependence on T by number enrolled identities**



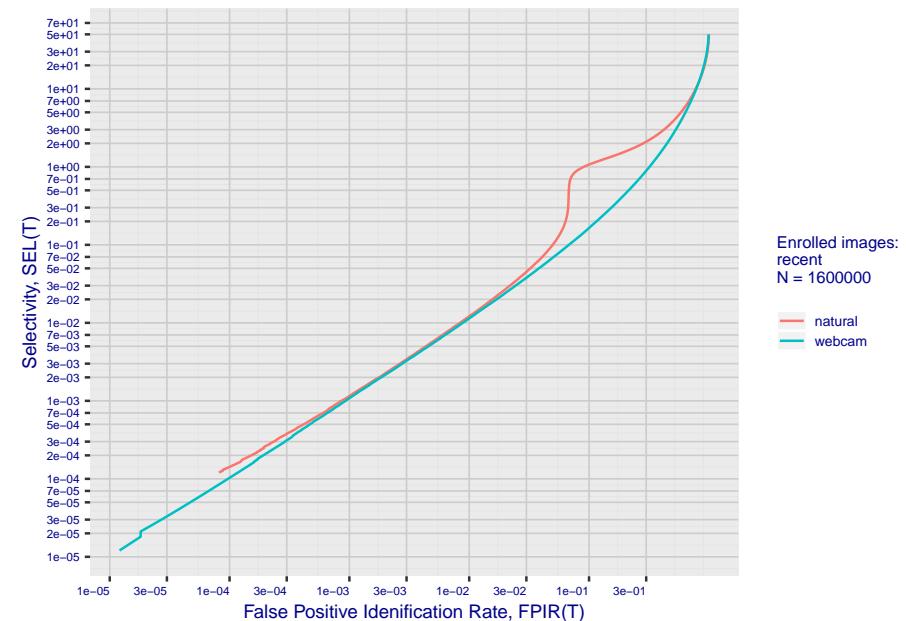
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm microfocus\_6 2020-03-20 13:20:21

Fig 10: Template duration; search duration vs. N

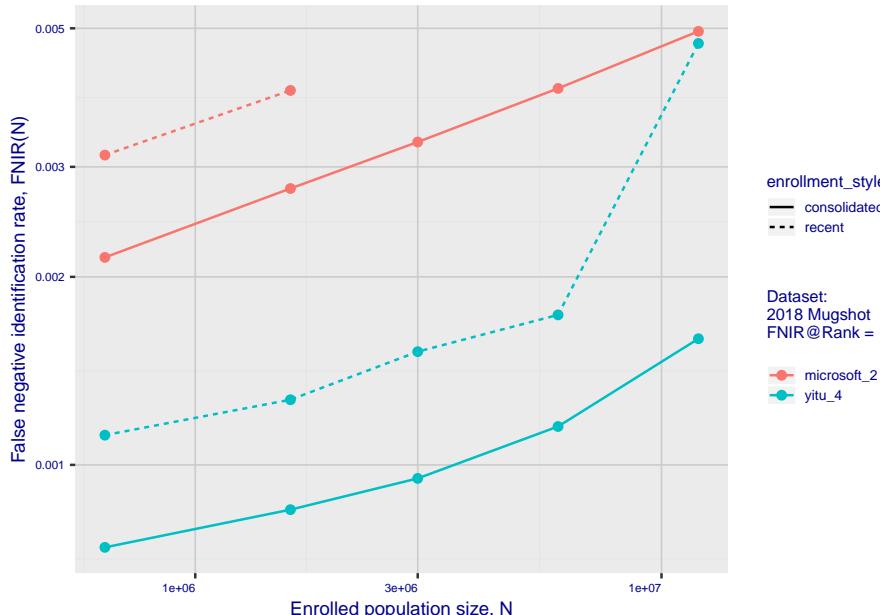


Fig 11: Datasheet

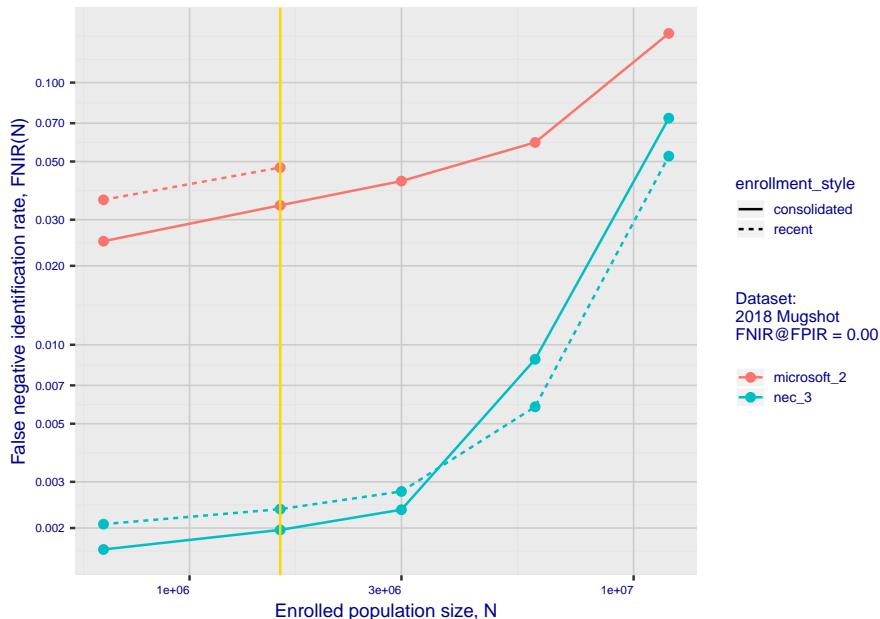
Algorithm: microfocus_6
Developer: MicroFocus
Submission Date: 2018_10_29
Template size: 256 bytes
Template time (2.5 percentile): 224 msec
Template time (median): 263 msec
Template time (97.5 percentile): 313 msec
Investigation rank 226 -- FNIR(1600000, 0, 1) = 0.4268 vs. lowest 0.0010 from sensetime_003
Identification rank 227 -- FNIR(1600000, T, L+1) = 0.9779
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

## 1. Report for algorithm microsoft\_2 2020-03-20 13:16:53

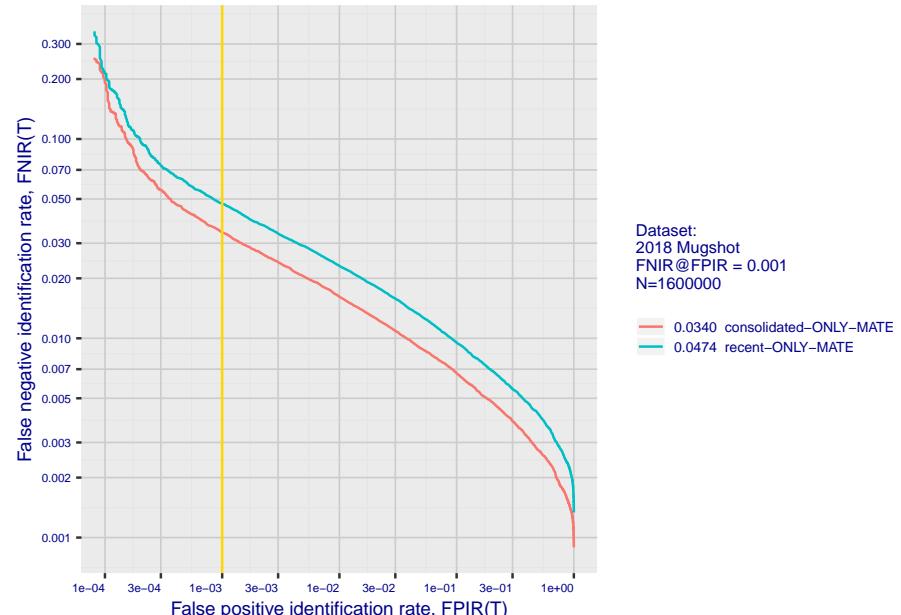
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



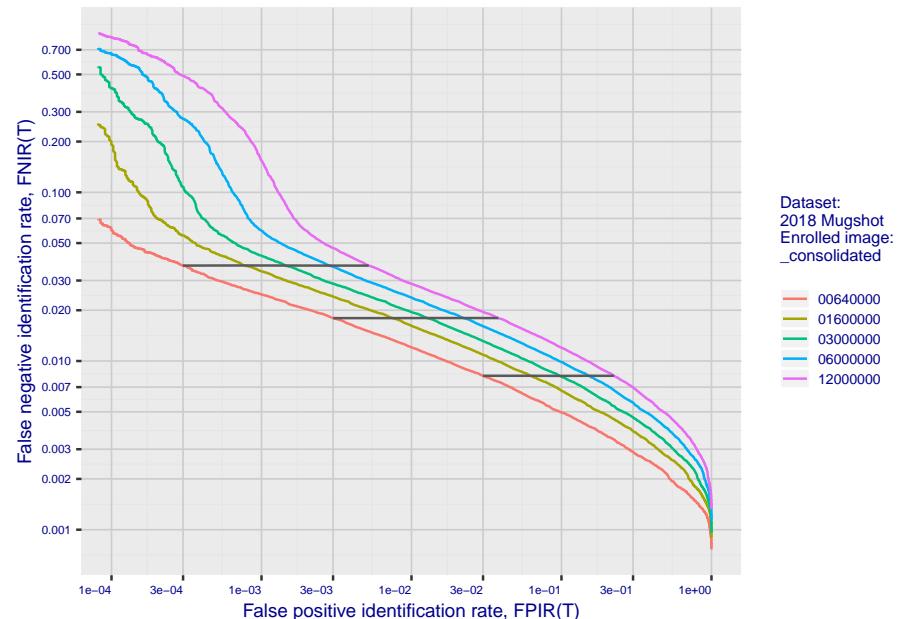
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

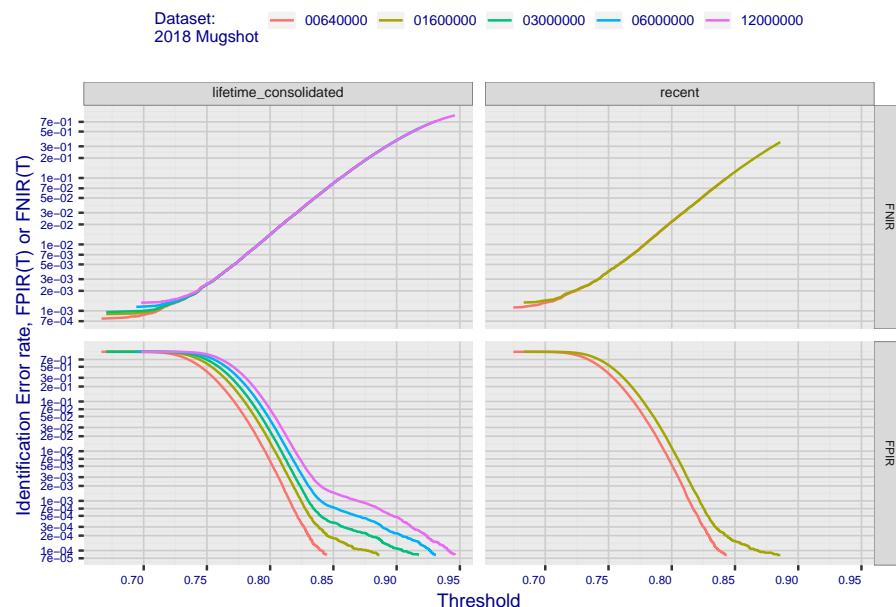


**Fig 4: DET for various N. Links connect points of equal threshold.**

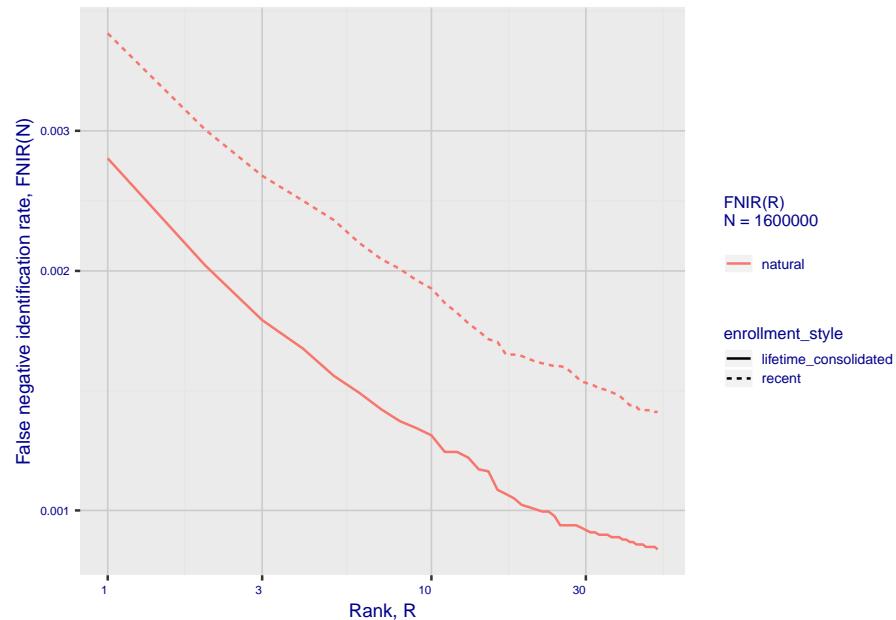


## 2. Report for algorithm microsoft\_2 2020-03-20 13:16:53

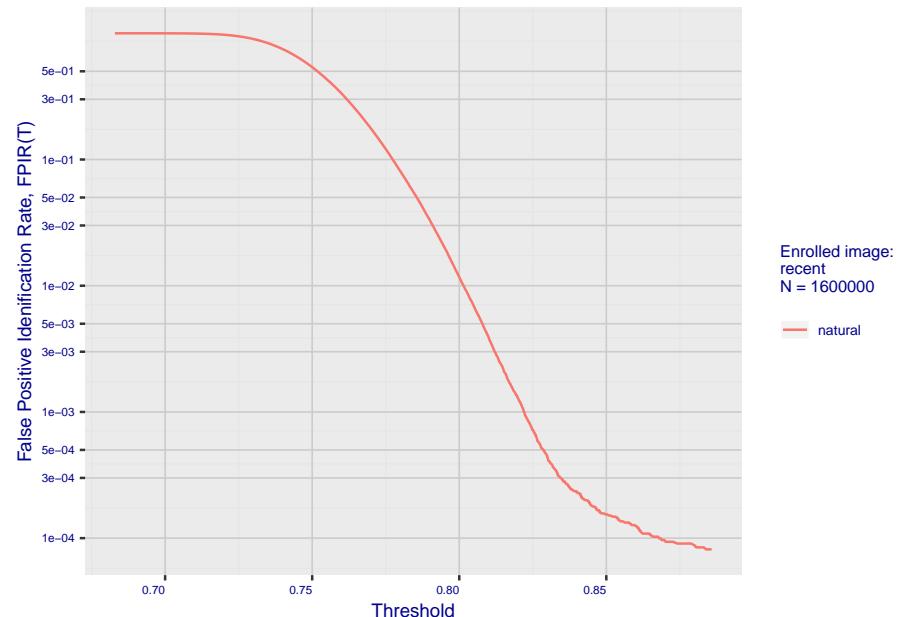
**Fig 5: Dependence on T by number enrolled identities**



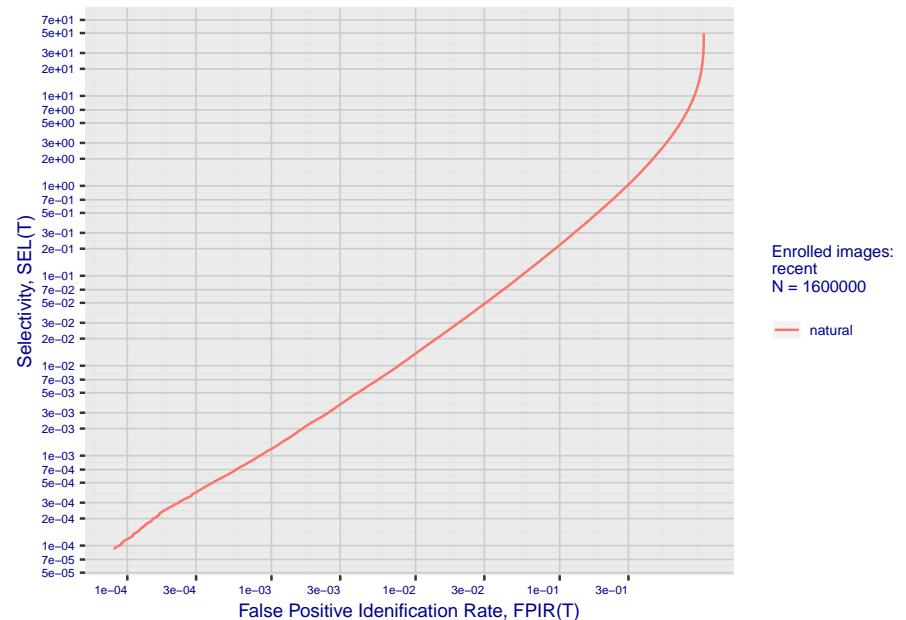
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm microsoft\_2 2020-03-20 13:16:53

Fig 10: Template duration; search duration vs. N

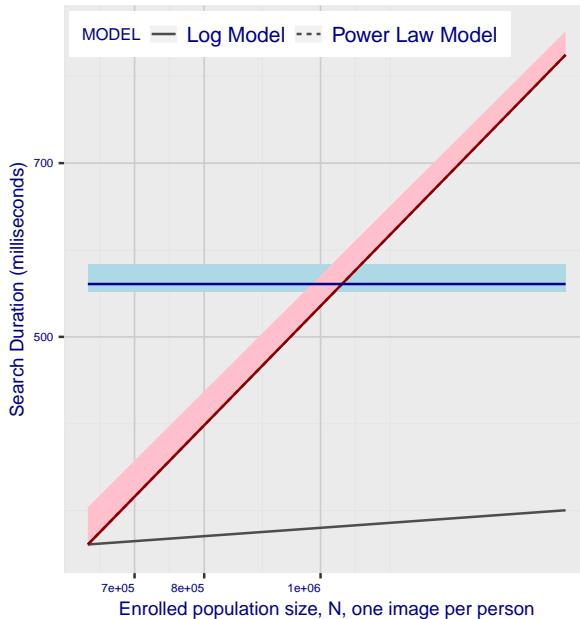
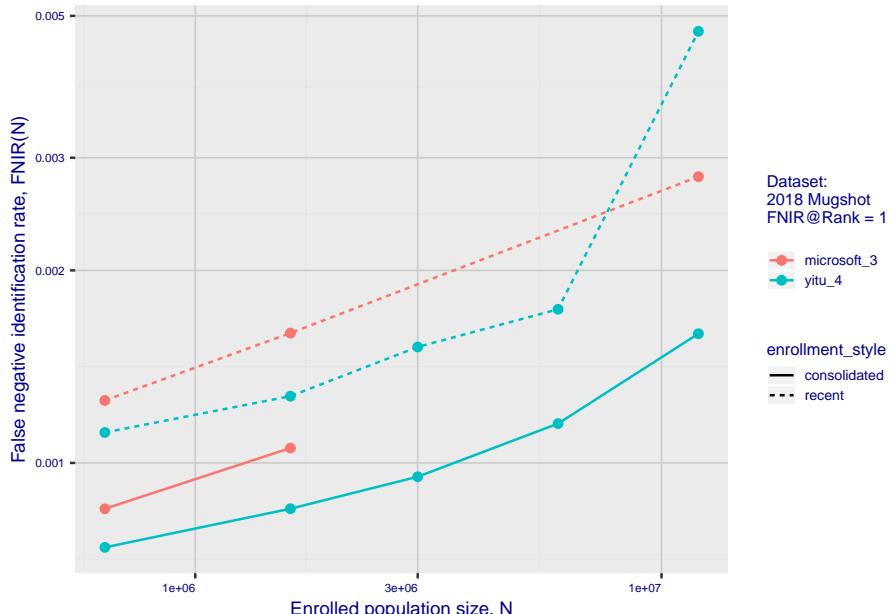


Fig 11: Datasheet

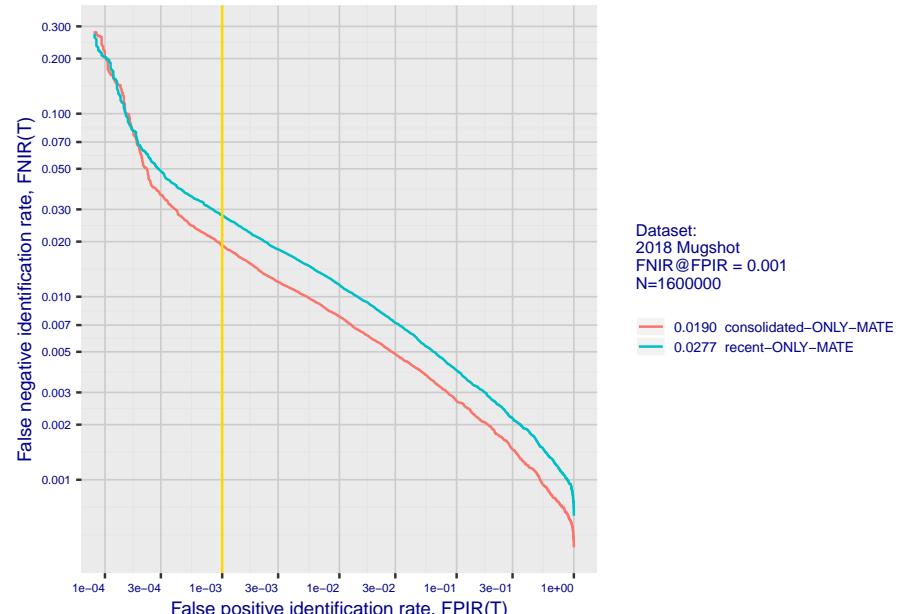
Algorithm:	microsoft_2
Developer:	Microsoft
Submission Date:	2018_02_12
Template size:	1024 bytes
Template time (2.5 percentile):	546 msec
Template time (median):	554 msec
Template time (97.5 percentile):	575 msec
Investigation rank 44 --- FNIR(1600000, 0, 1) =	0.0040 vs. lowest 0.0010 from sensetime_003
Identification rank 54 --- FNIR(1600000, T, L+1) =	0.0474
PPIR = 0.001 vs.	lowest 0.0018 from sensetime_003

# 1. Report for algorithm microsoft\_3 2020-03-20 13:19:00

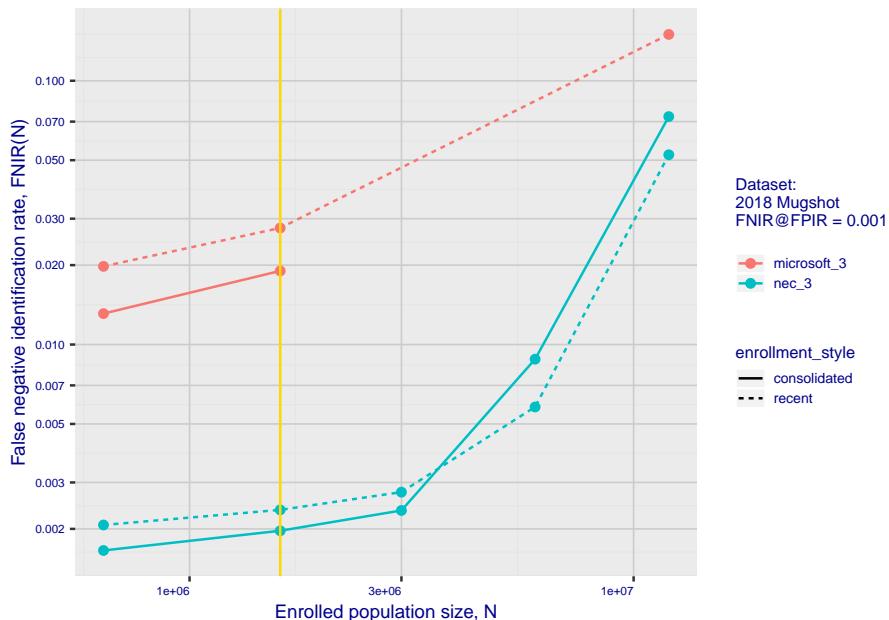
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



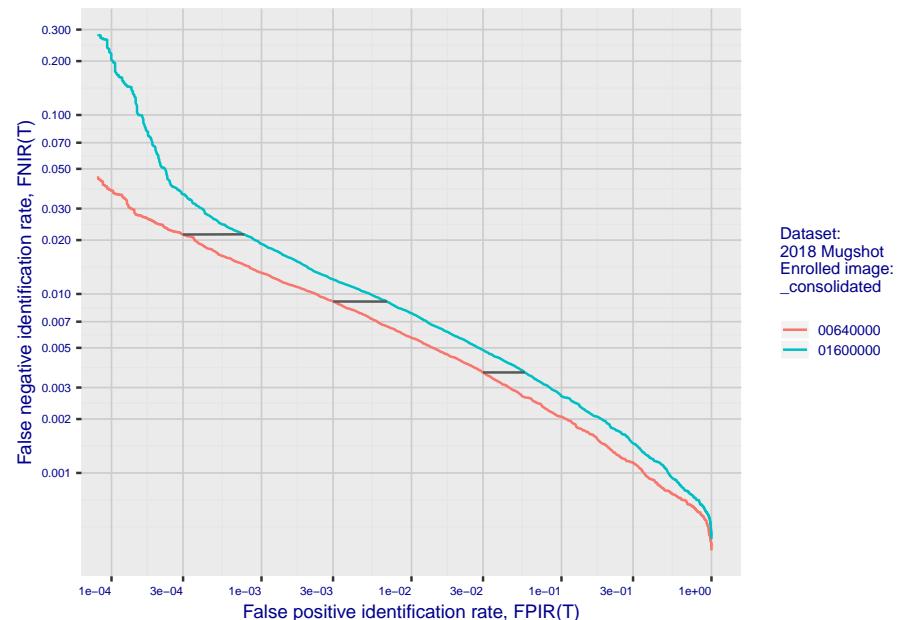
**Fig 2: DETs by enrollment type**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

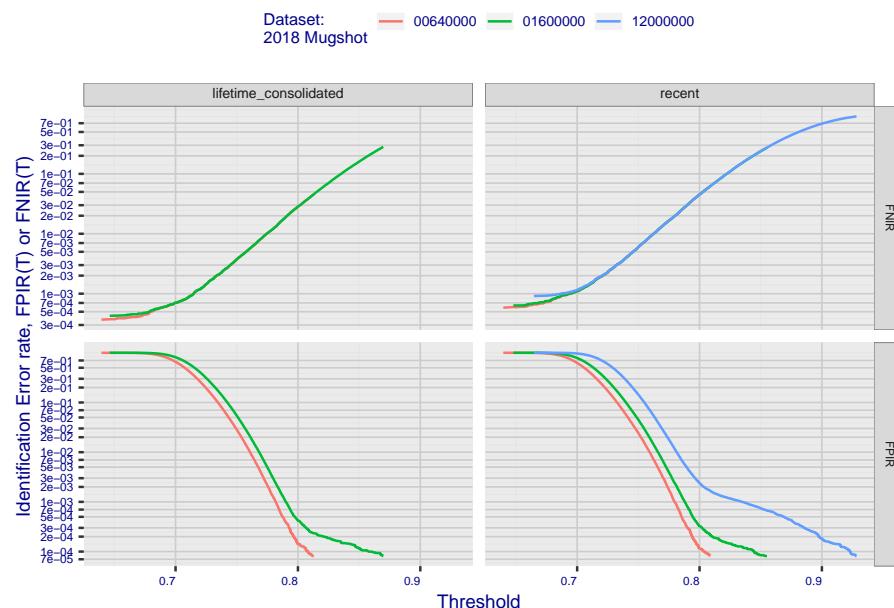


**Fig 4: DET for various N. Links connect points of equal threshold.**

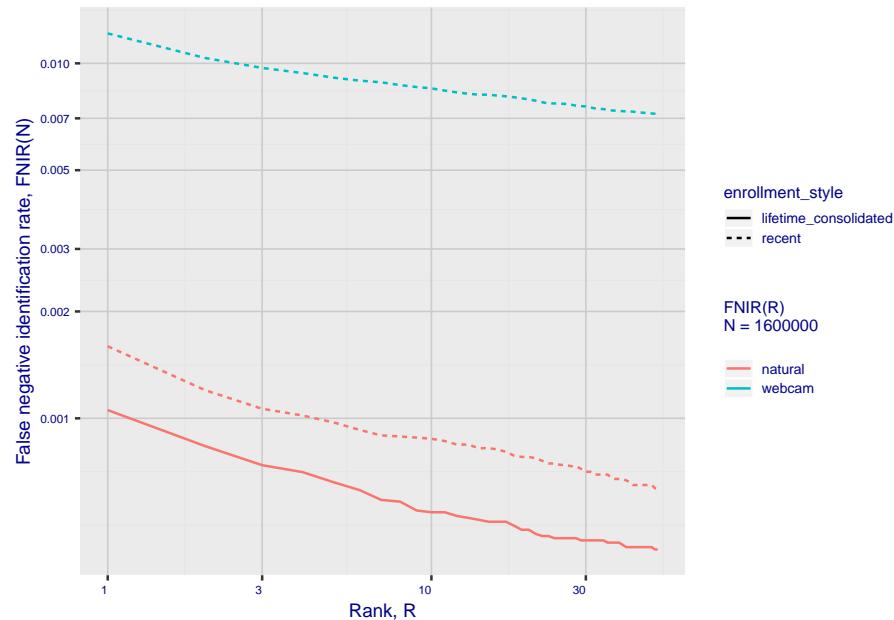


## 2. Report for algorithm microsoft\_3 2020-03-20 13:19:00

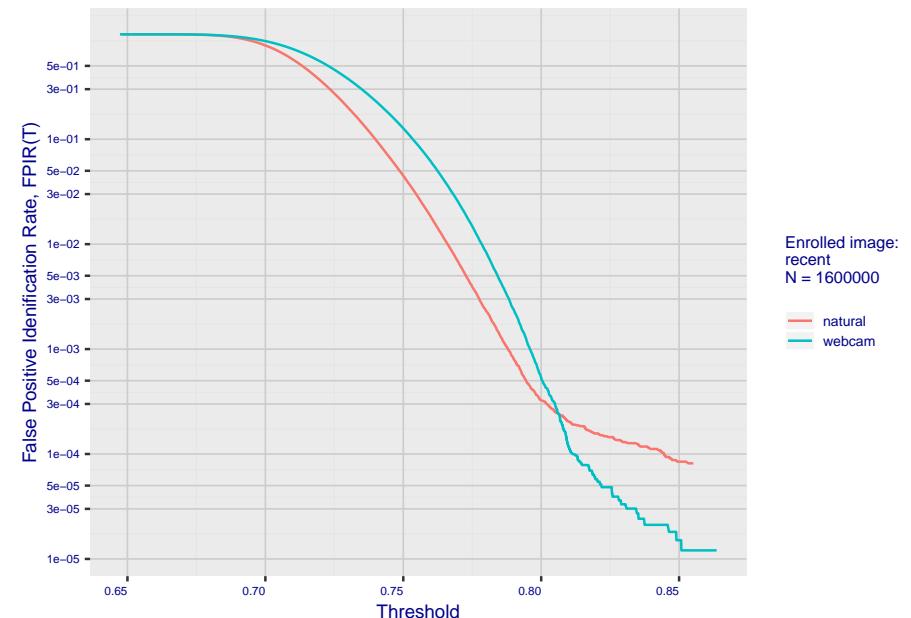
**Fig 5: Dependence on T by number enrolled identities**



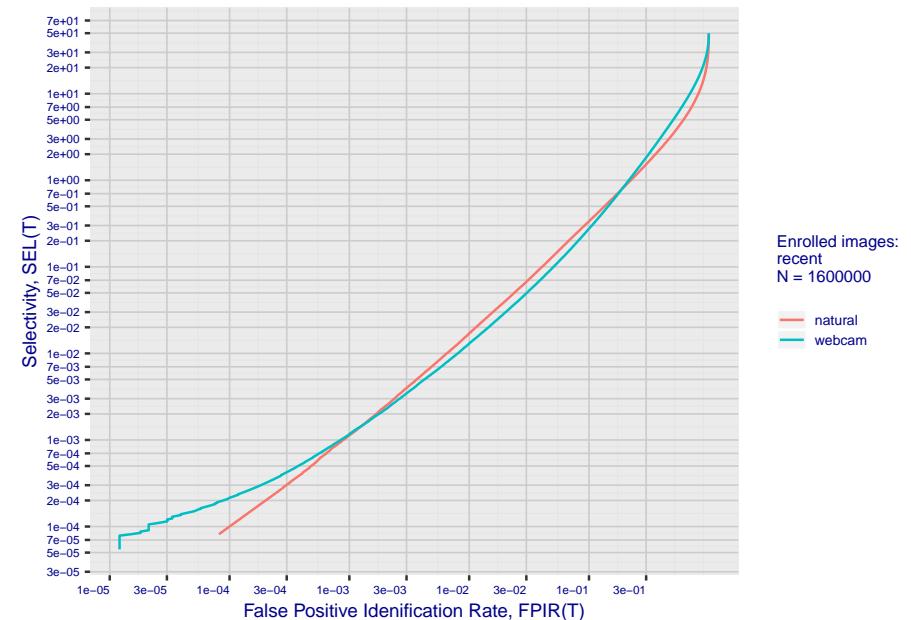
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

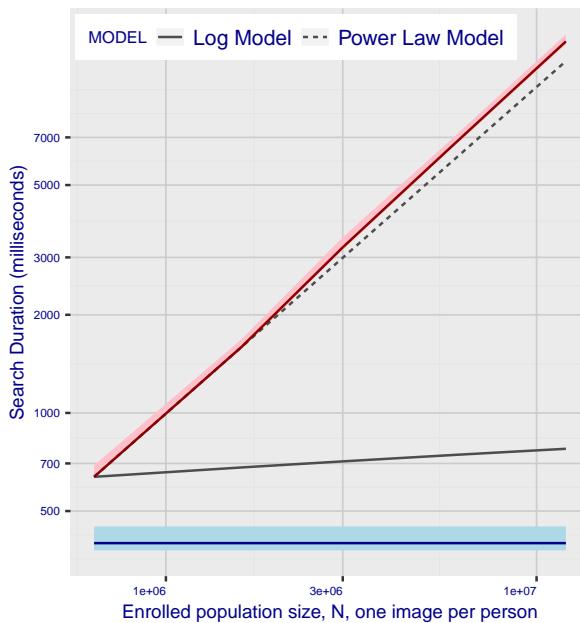


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm microsoft\_3 2020-03-20 13:19:00

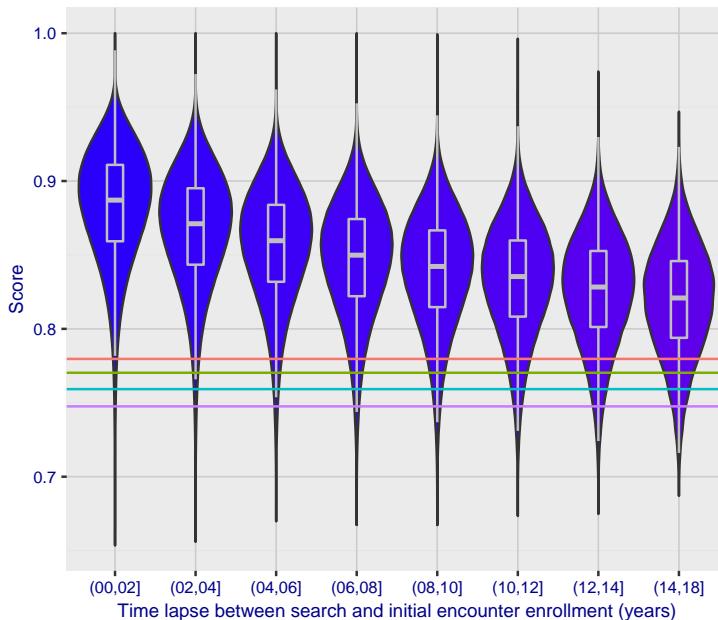
**Fig 10: Template duration; search duration vs. N**



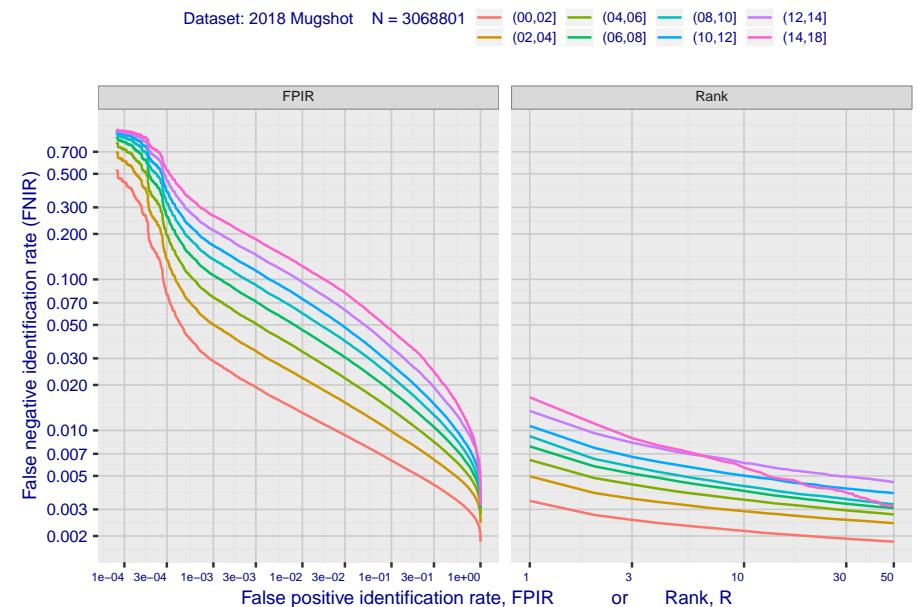
**Fig 11: Datasheet**

Algorithm: microsoft_3
Developer: Microsoft
Submission Date: 2018_06_20
Template size: 1024 bytes
Template time (2.5 percentile): 379 msec
Template time (median): 399 msec
Template time (97.5 percentile): 449 msec
Investigation rank 7 — FNIR(1600000, 0, 1) = 0.0016 vs. lowest 0.0010 from sense
Identification rank 29 — FNIR(1600000, T, L+1) = 0.0277
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

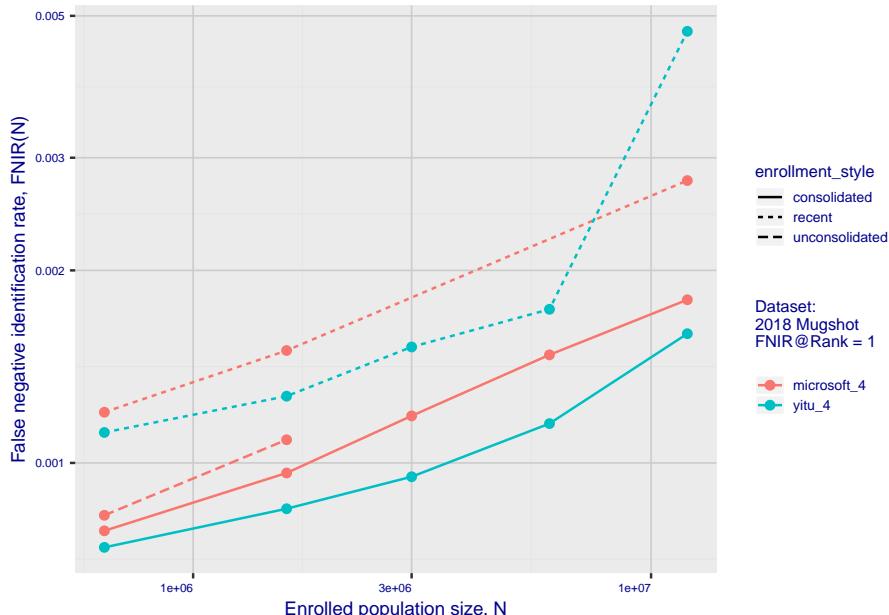


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

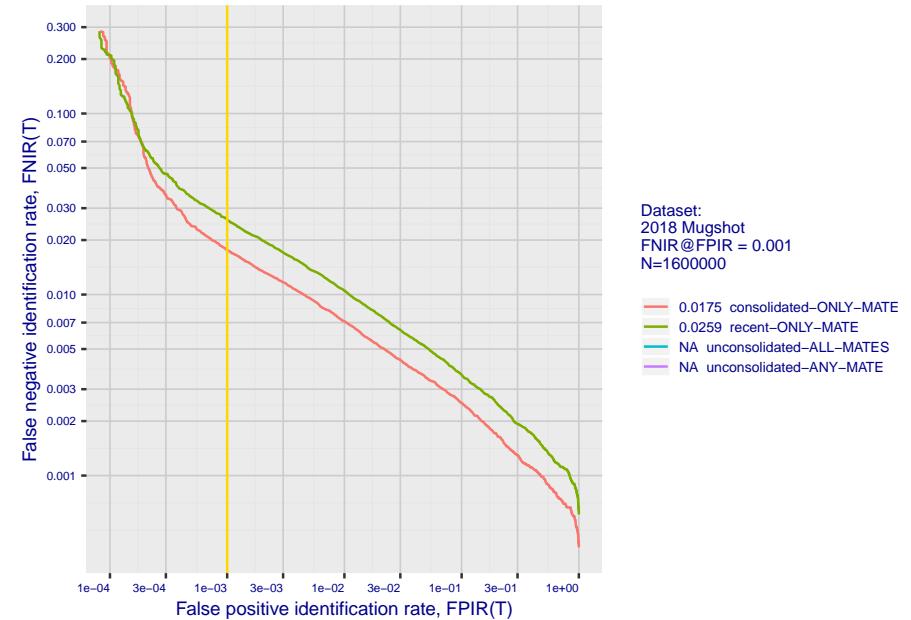


# 1. Report for algorithm microsoft\_4 2020-03-20 13:18:37

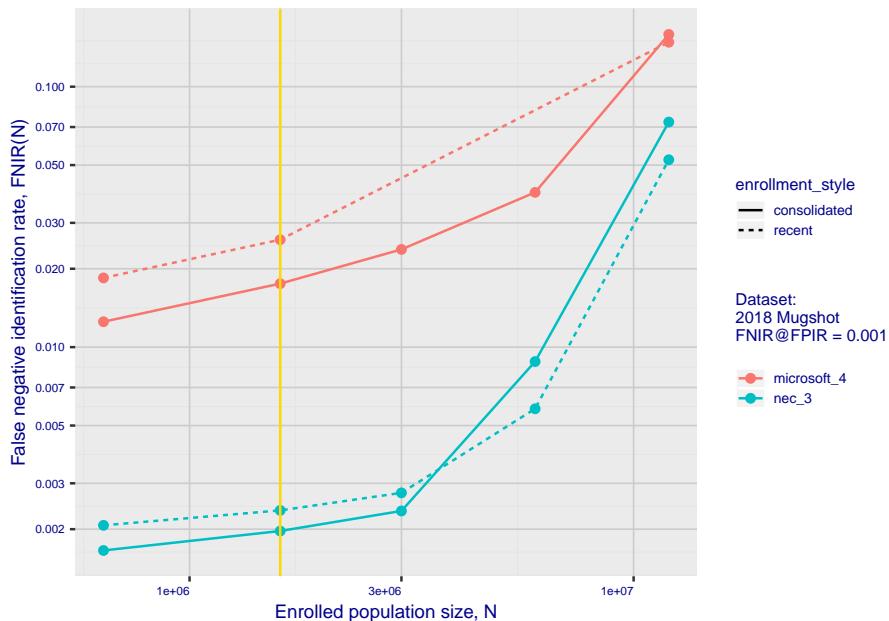
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



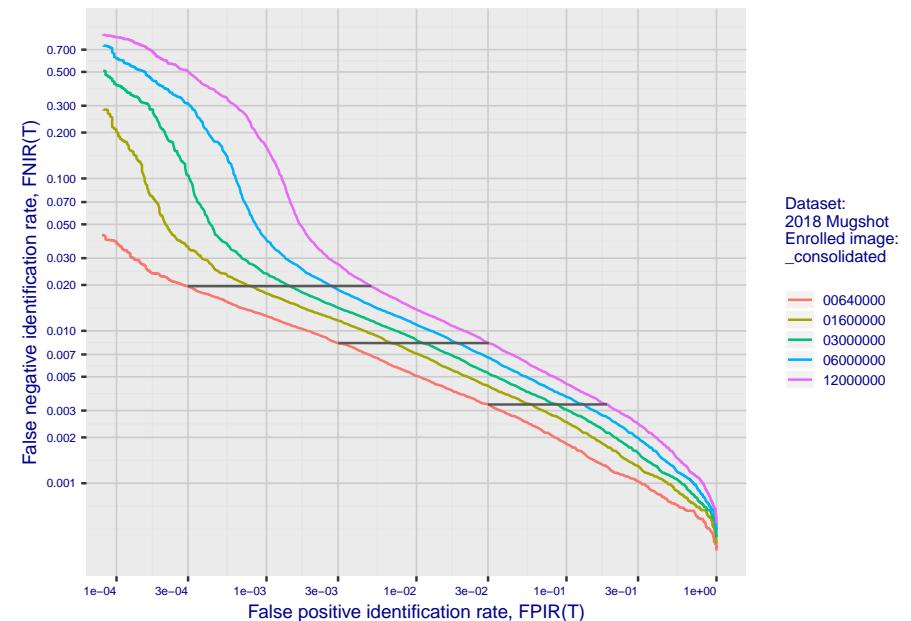
**Fig 2: DETs by enrollment type**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

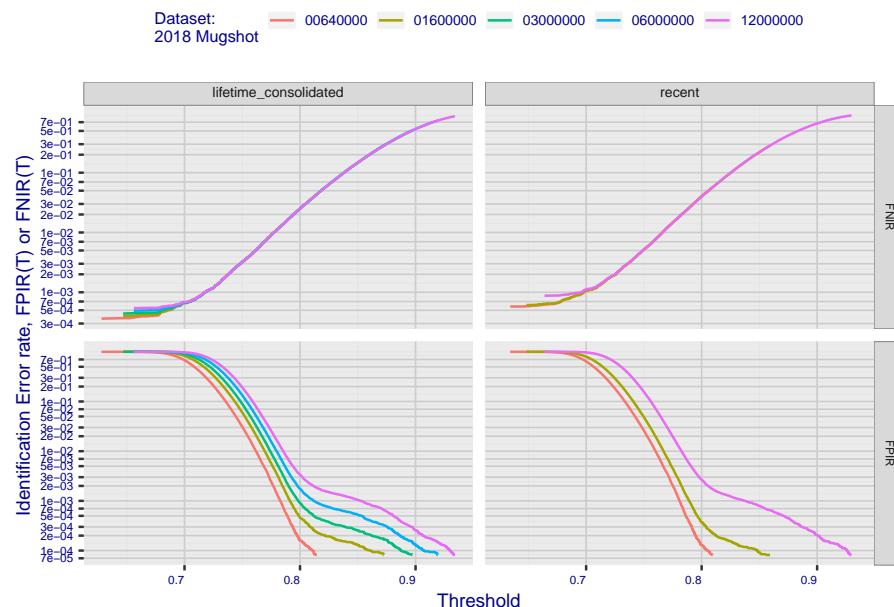


**Fig 4: DET for various N. Links connect points of equal threshold.**

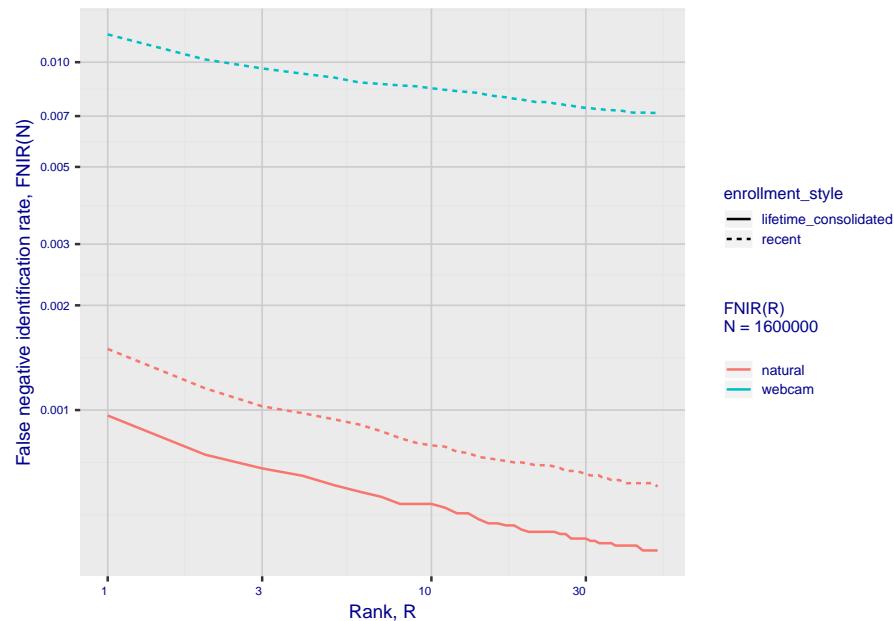


## 2. Report for algorithm microsoft\_4 2020-03-20 13:18:37

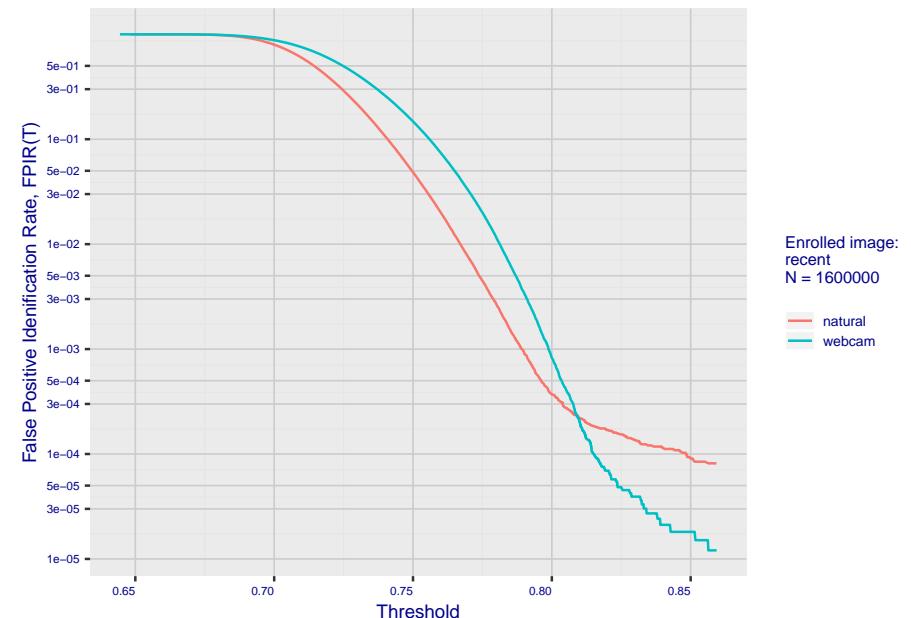
**Fig 5: Dependence on T by number enrolled identities**



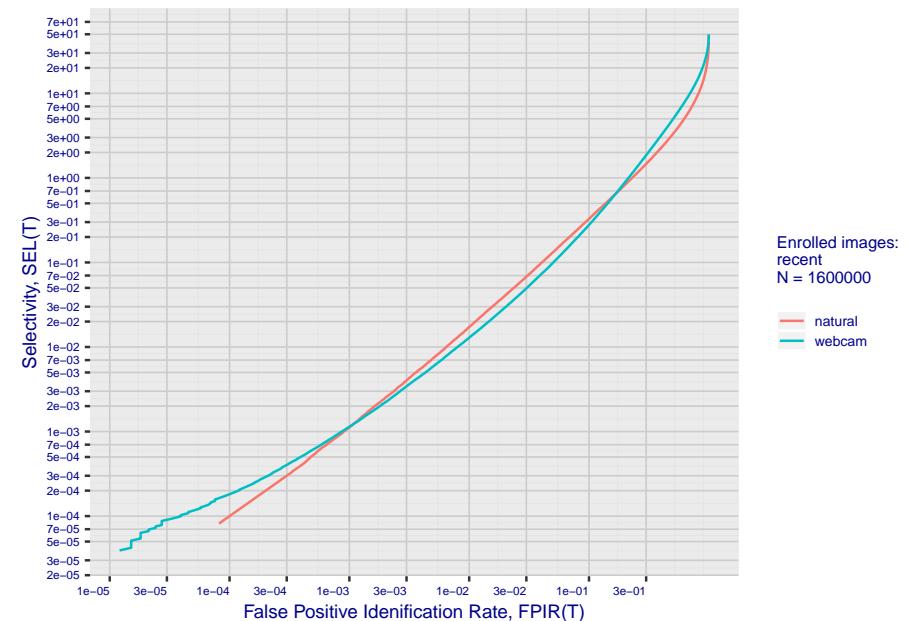
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

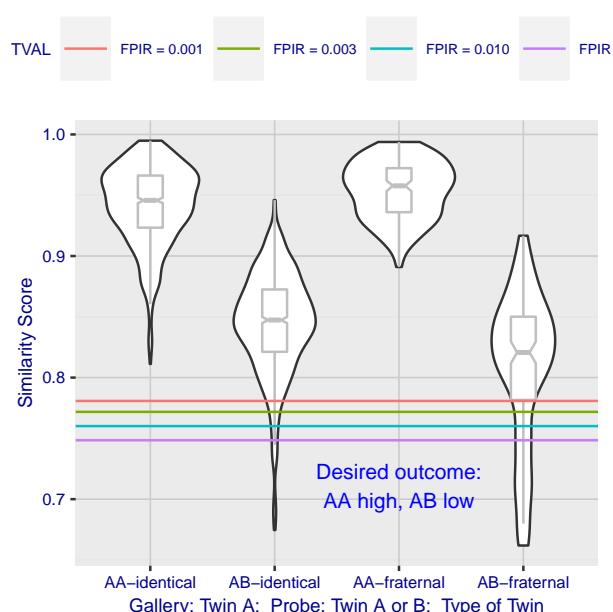


**Fig 8: FPIR vs. Selectivity**

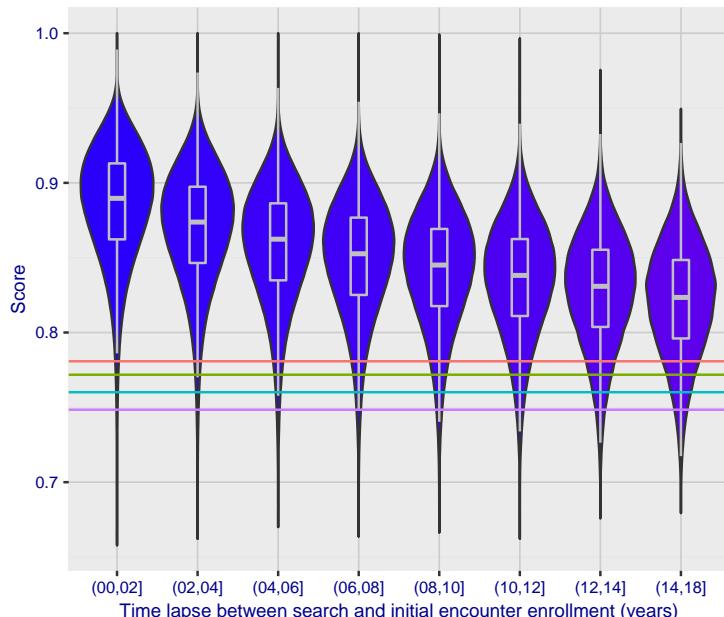


### 3. Report for algorithm microsoft\_4 2020-03-20 13:18:37

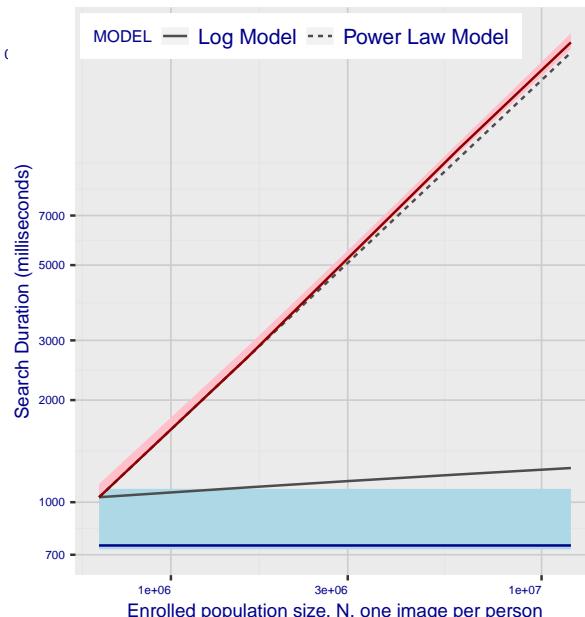
**Fig 9: Solo-Twin and Twin-Twin similarity scores**



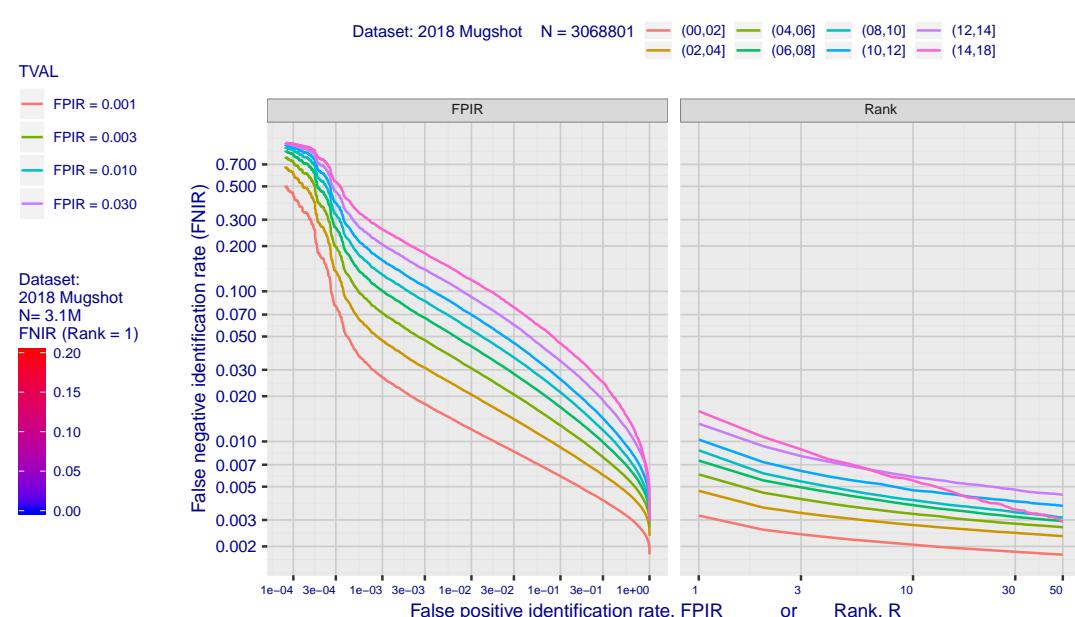
**Fig 12: Decline of genuine scores with ageing**



**Fig 10: Template duration; search duration vs. N**



**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

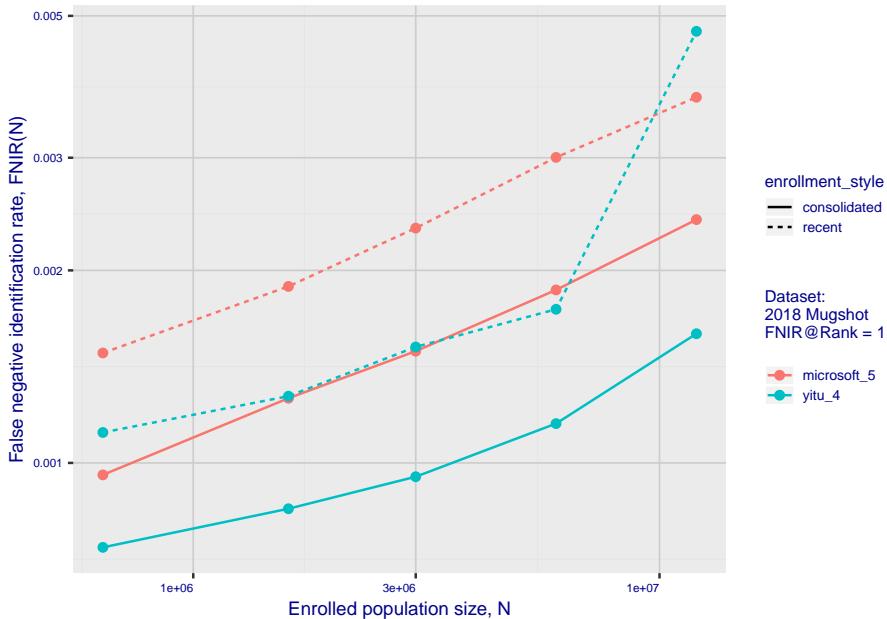


**Fig 11: Datasheet**

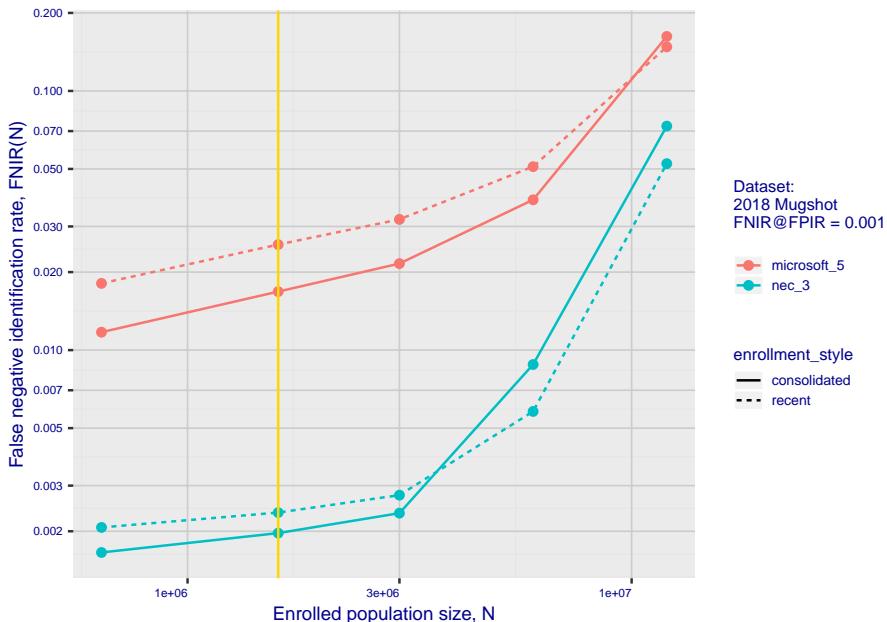
Algorithm:	microsoft_4
Developer:	Microsoft
Submission Date:	2018_06_20
Template size:	2048 bytes
Template time (2.5 percentile):	726 msec
Template time (median):	745 msec
Template time (97.5 percentile):	1095 msec
Investigation rank 5 — FNIR(1600000, 0, 1) =	0.0015 vs. lowest 0.0010 from sensetime_003
Identification rank 25 — FNIR(1600000, T, L+1) =	0.0259
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm microsoft\_5 2020-03-20 13:22:13

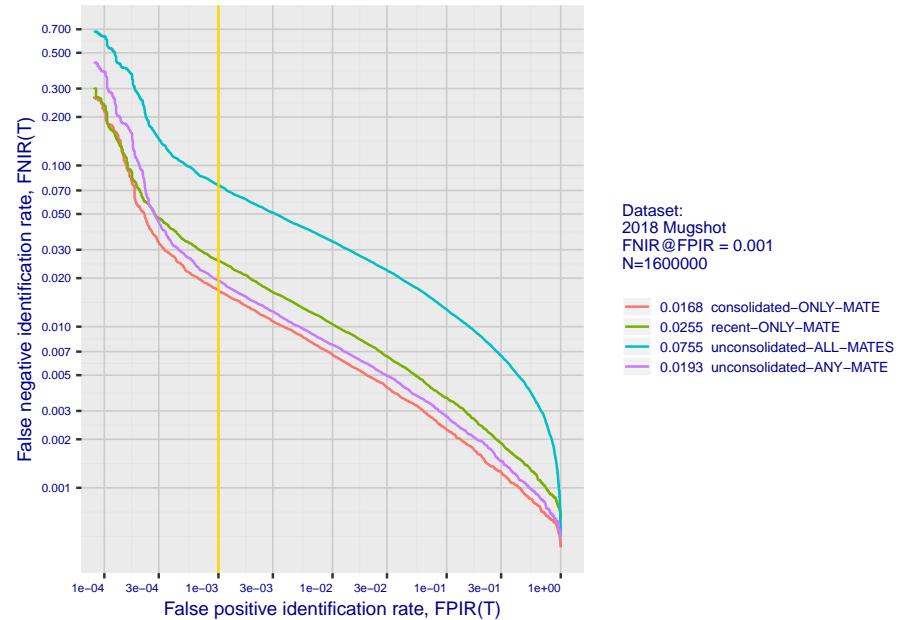
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



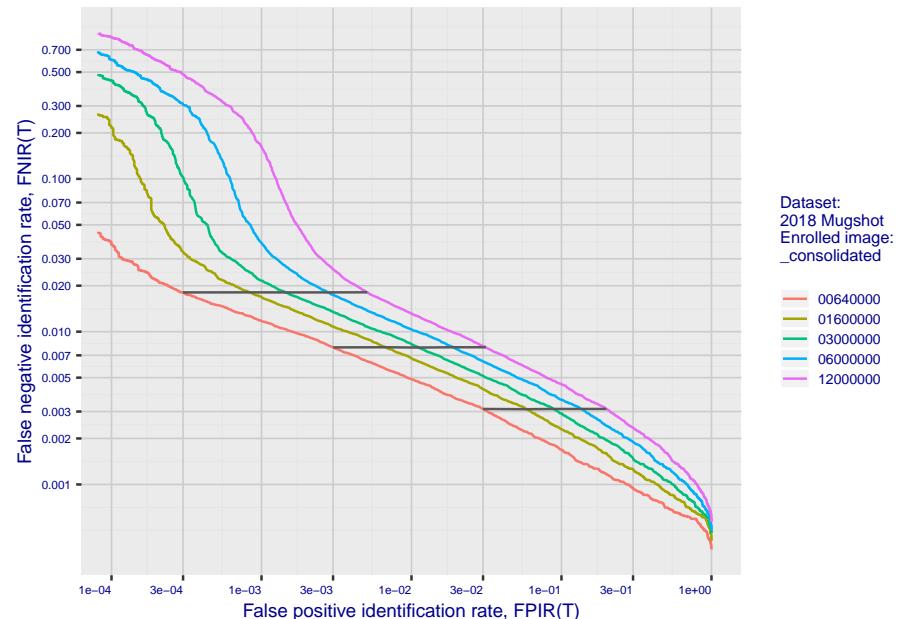
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

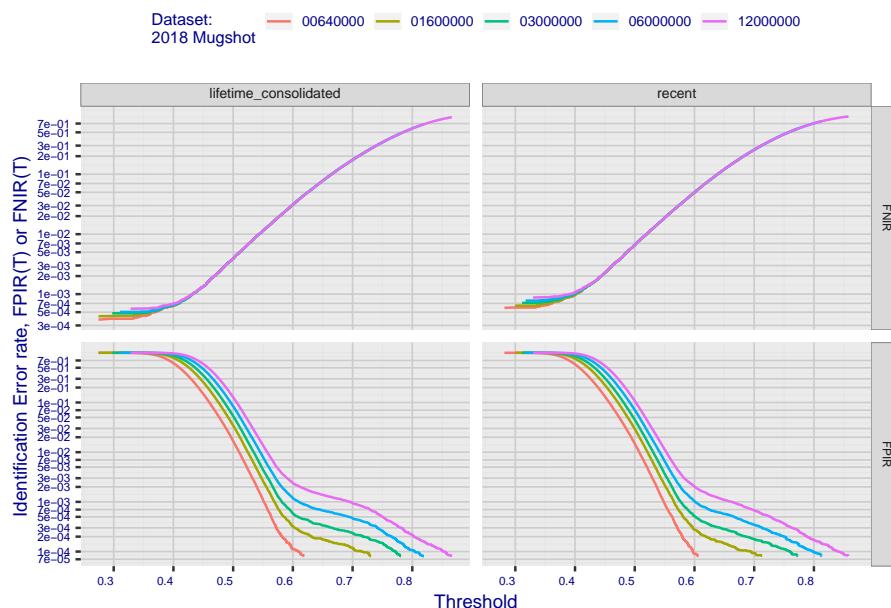


**Fig 4: DET for various N. Links connect points of equal threshold.**

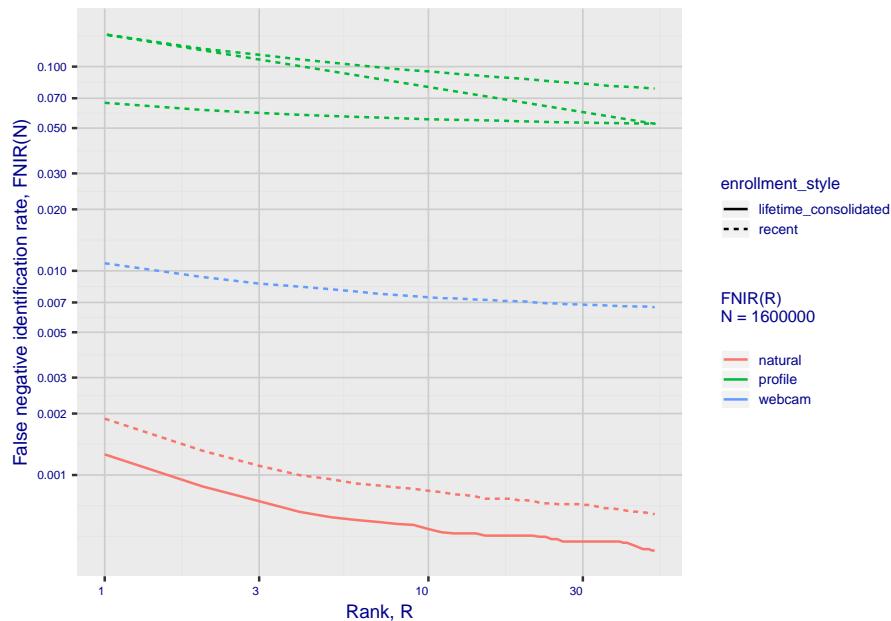


## 2. Report for algorithm microsoft\_5 2020-03-20 13:22:13

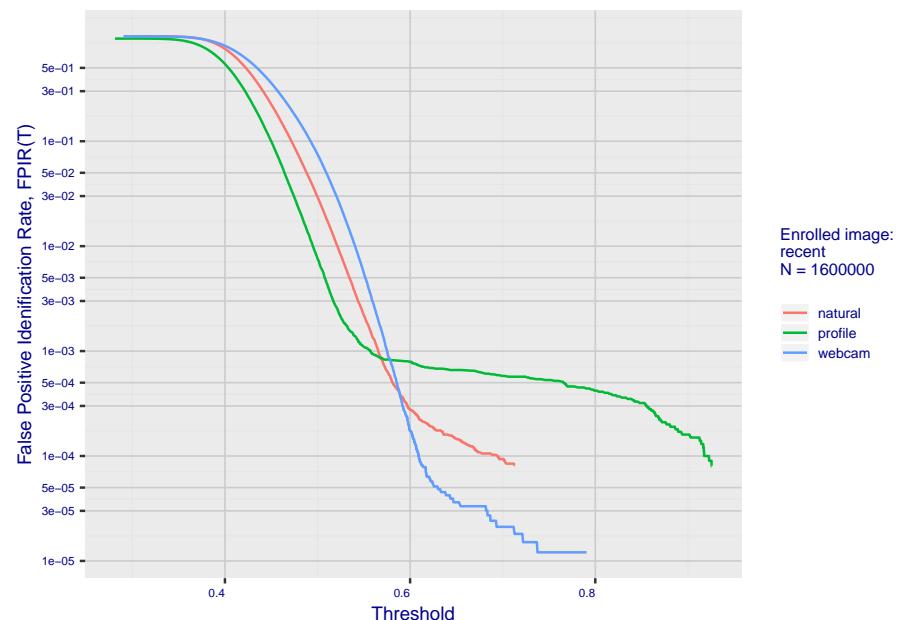
**Fig 5: Dependence on T by number enrolled identities**



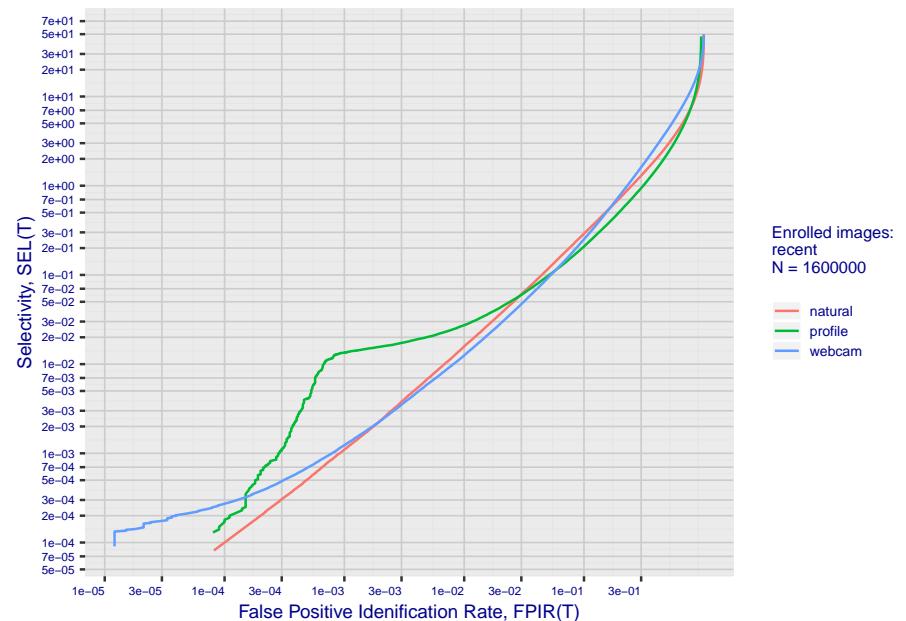
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

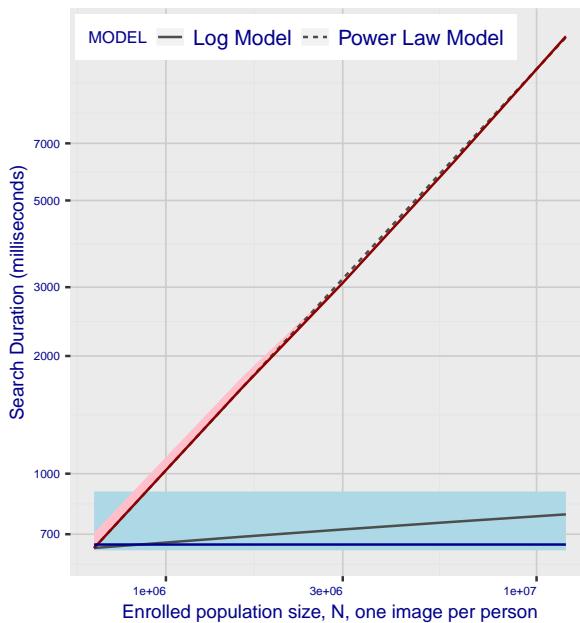


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm microsoft\_5 2020-03-20 13:22:13

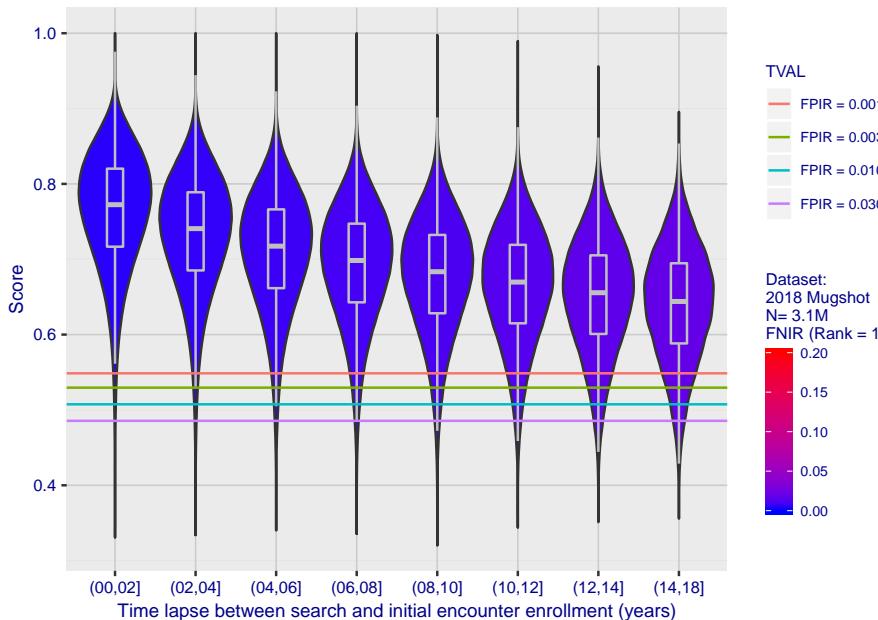
**Fig 10: Template duration; search duration vs. N**



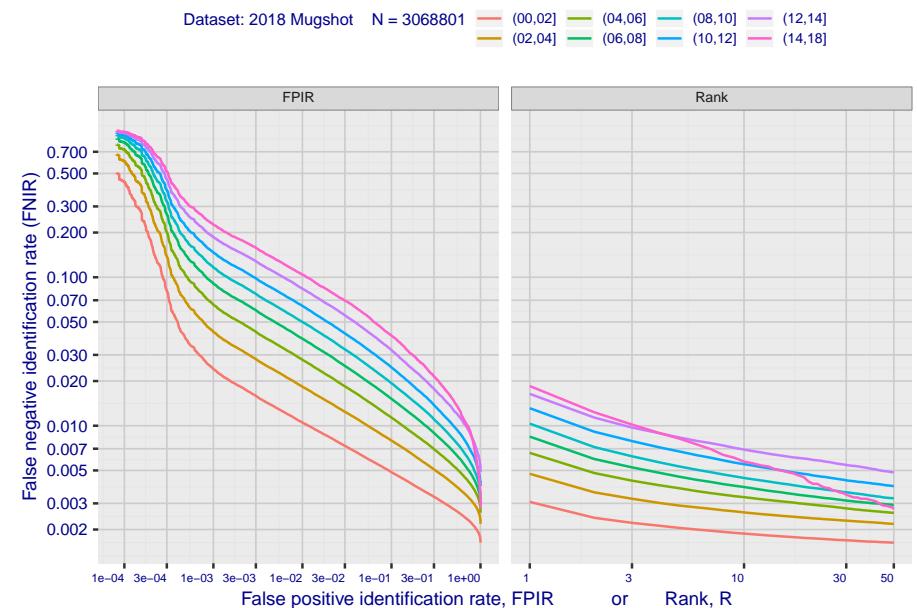
**Fig 11: Datasheet**

Algorithm: microsoft_5
Developer: Microsoft
Submission Date: 2018_10_29
Template size: 1024 bytes
Template time (2.5 percentile): 637 msec
Template time (median): 659 msec
Template time (97.5 percentile): 900 msec
Investigation rank 16 --- FNIR(1600000, 0, 1) = 0.0019 vs. lowest 0.0010 from sensetime_003
Identification rank 24 --- FNIR(1600000, T, L+1) = 0.0255
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

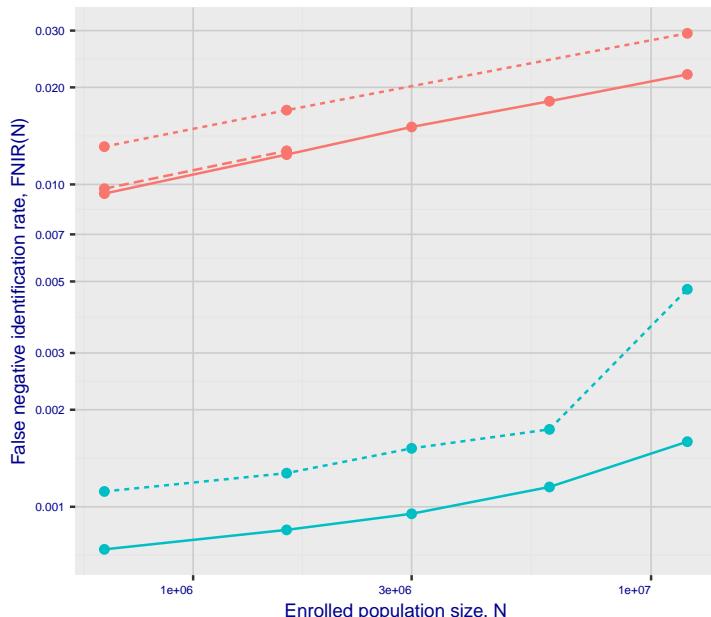


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

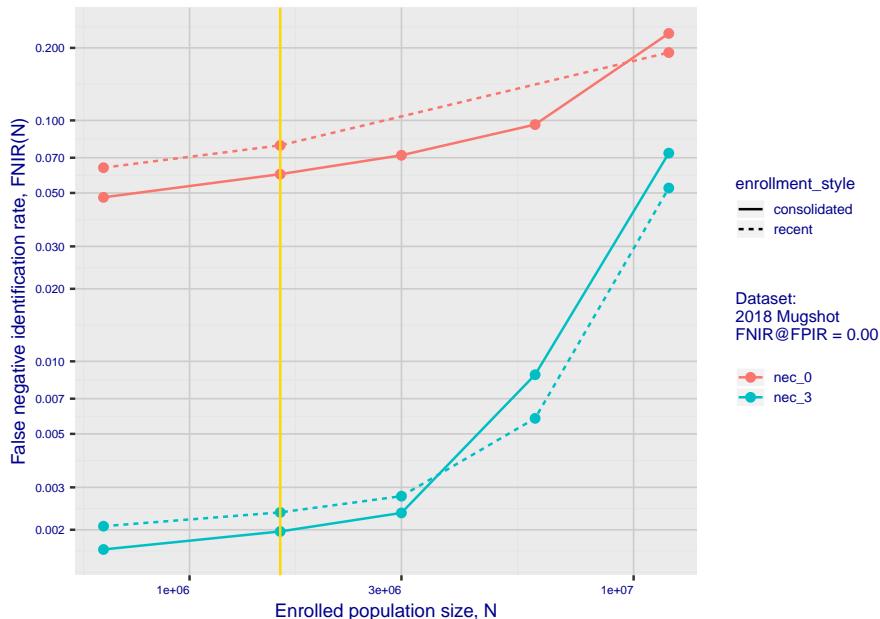


# 1. Report for algorithm nec\_0 2020-03-20 13:18:50

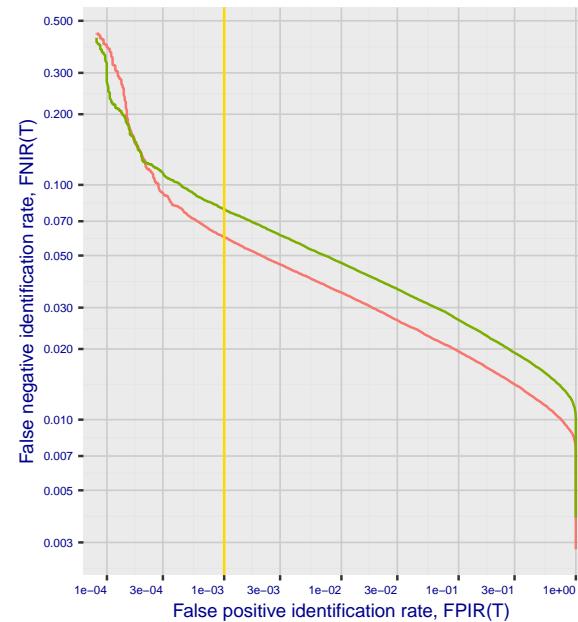
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



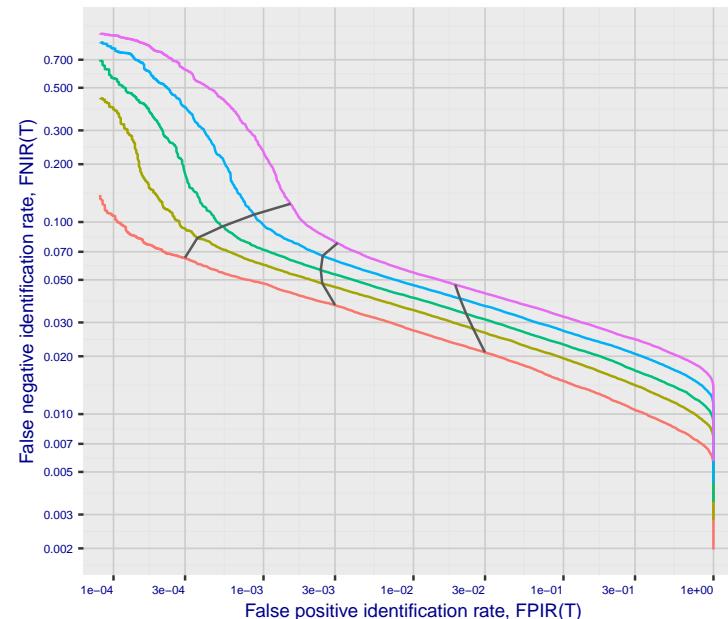
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

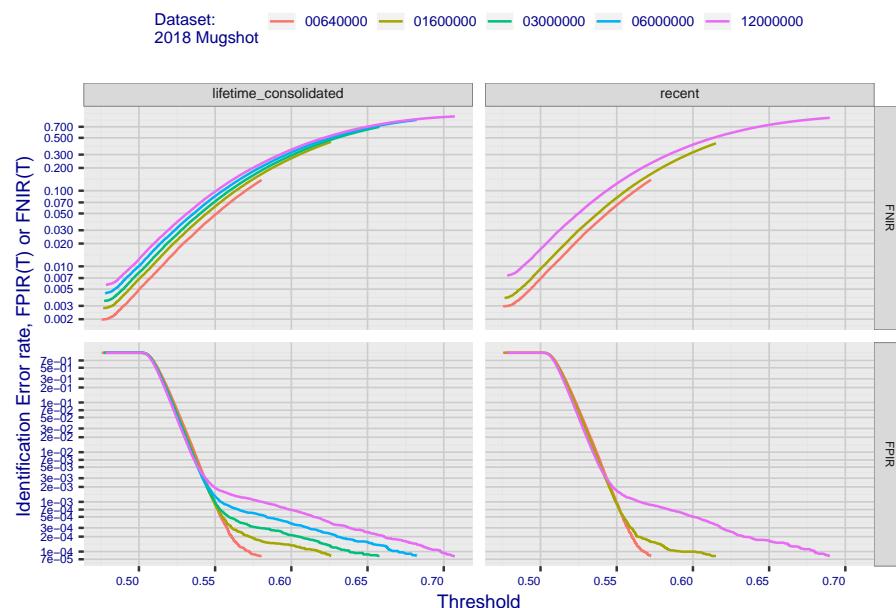


**Fig 4: DET for various N. Links connect points of equal threshold.**

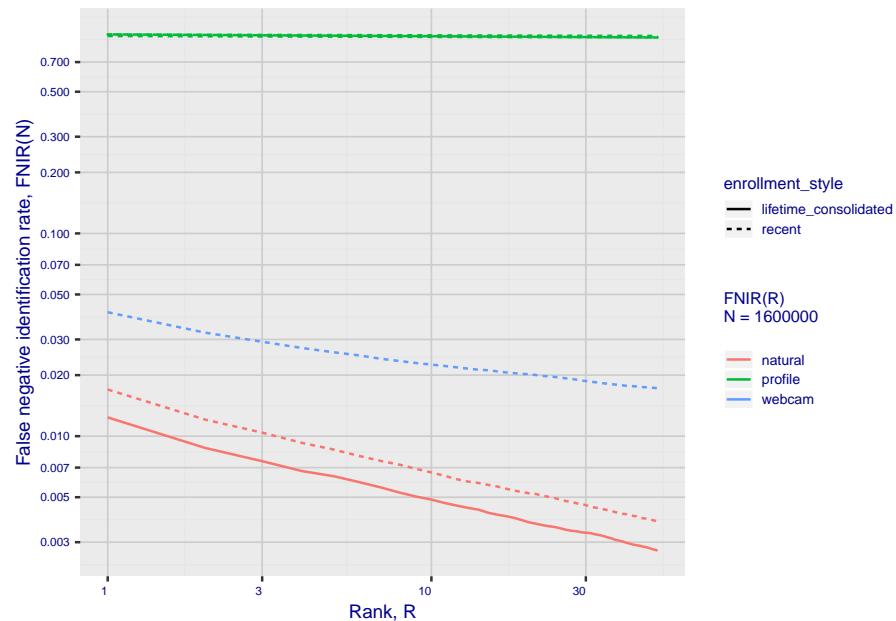


## 2. Report for algorithm nec\_0 2020-03-20 13:18:50

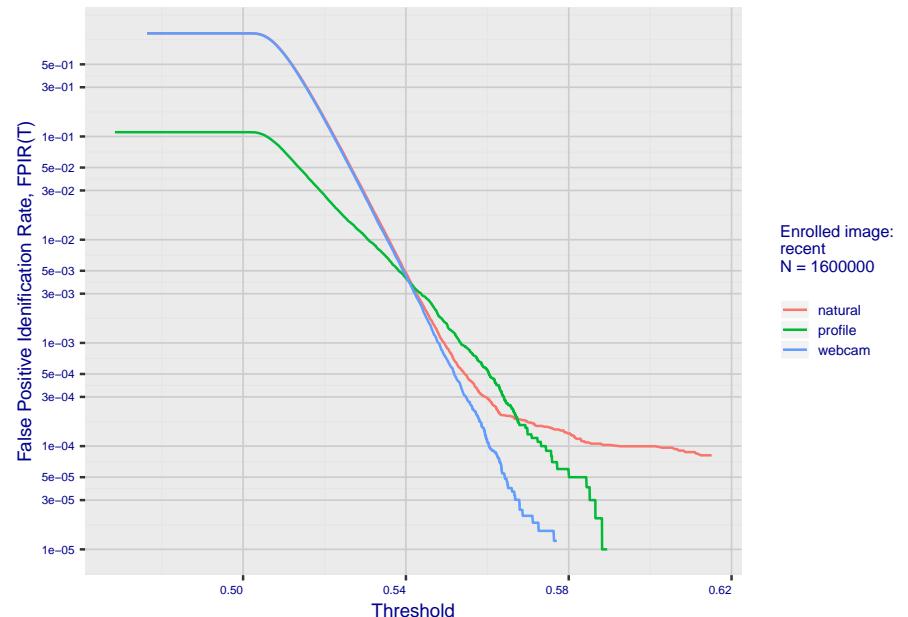
**Fig 5: Dependence on T by number enrolled identities**



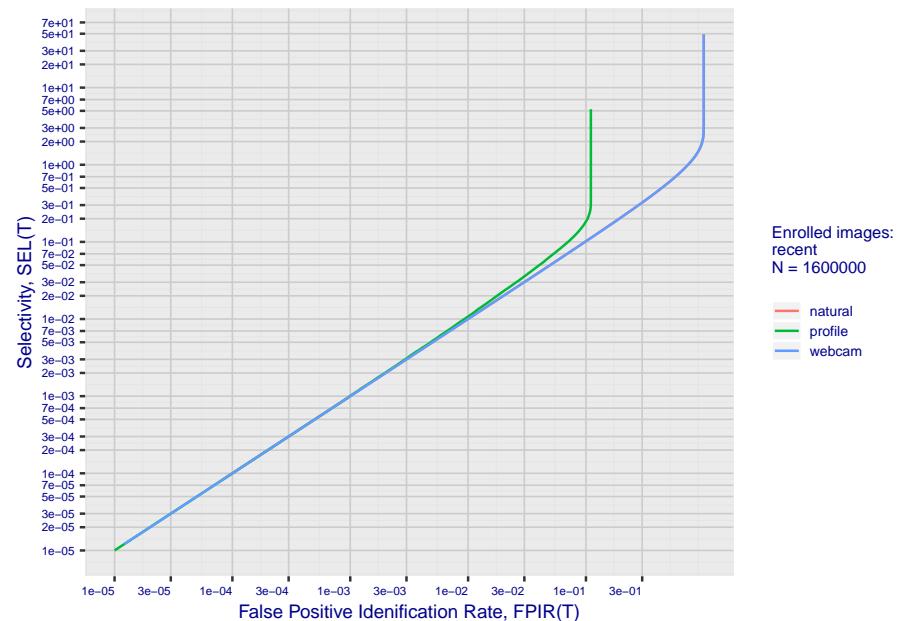
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

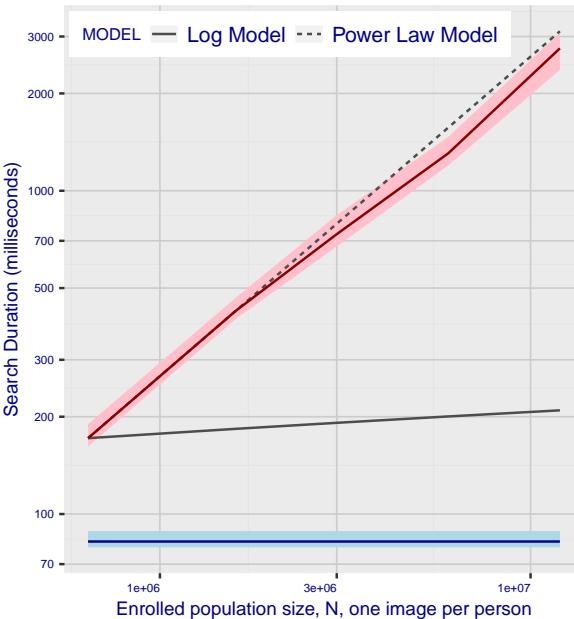


**Fig 8: FPIR vs. Selectivity**



3. Report for algorithm nec\_0 2020-03-20 13:18:50

**Fig 10: Template duration; search duration vs. N**

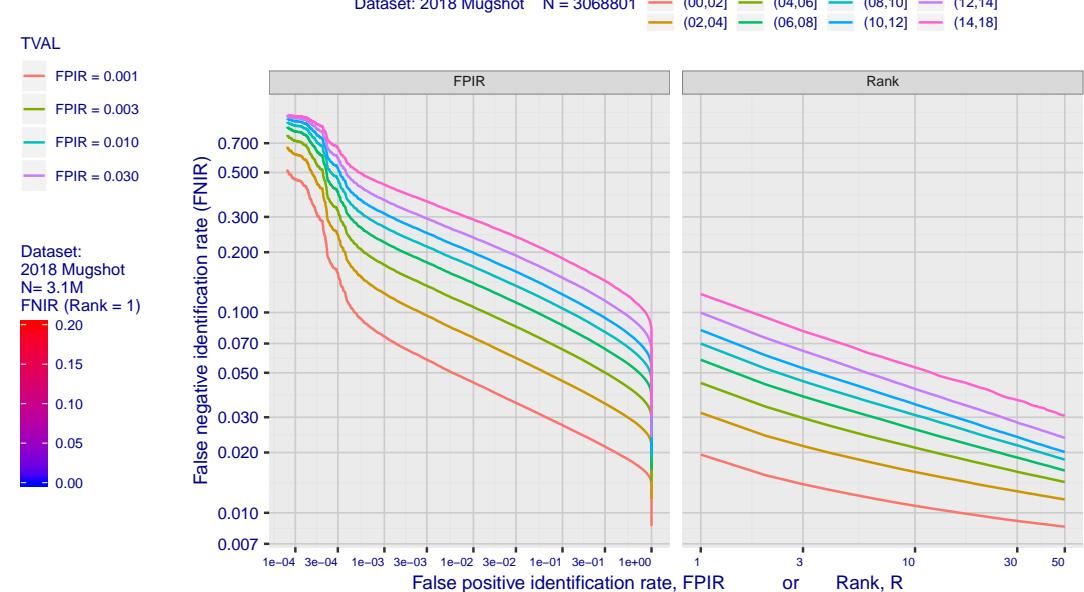


**Fig 12: Decline of genuine scores with ageing**

**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

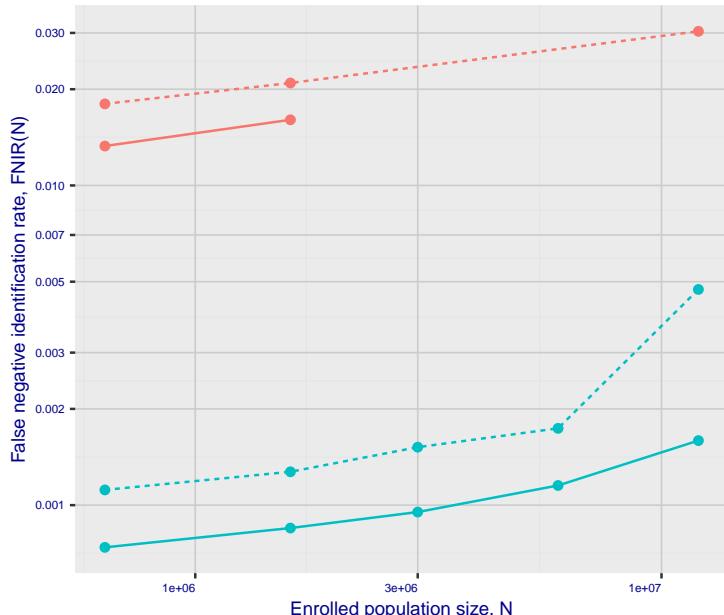
**Fig 11: Datasheet**

Algorithm: nec\_0  
Developer: NEC  
Submission Date: 2018\_06\_21  
Template size: 2592 bytes  
Template time (2.5 percentile): 79 msec  
Template time (median): 82 msec  
Template time (97.5 percentile): 89 msec  
Investigation rank 127 --- FNIR(1600000, 0, 1) = 0.0170 vs. lowest 0.0010 from sensetime\_003  
Identification rank 90 --- FNIR(1600000, T, L+1) = 0.0788  
FPIR = 0.001 vs. lowest 0.0018 from sensetime\_003

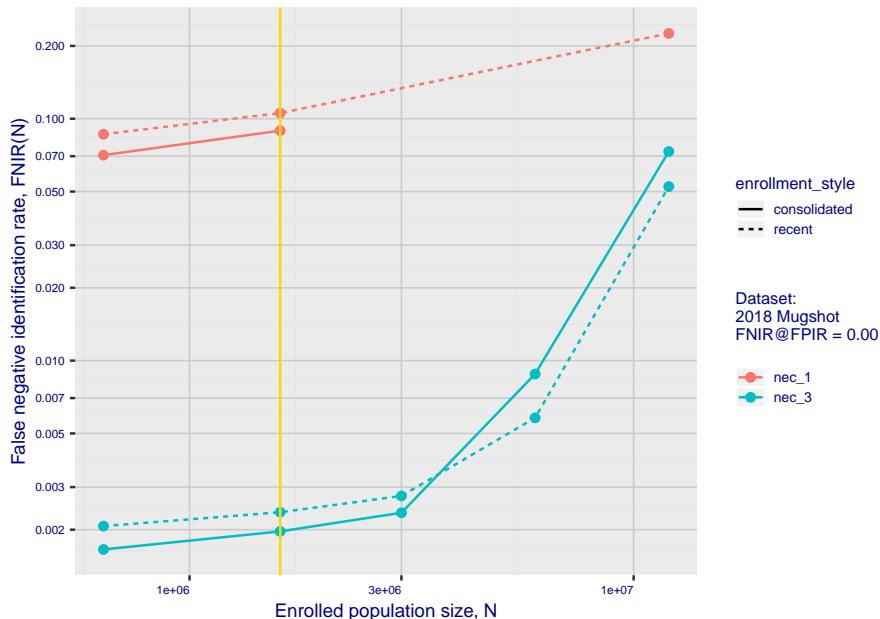


# 1. Report for algorithm nec\_1 2020-03-20 13:18:31

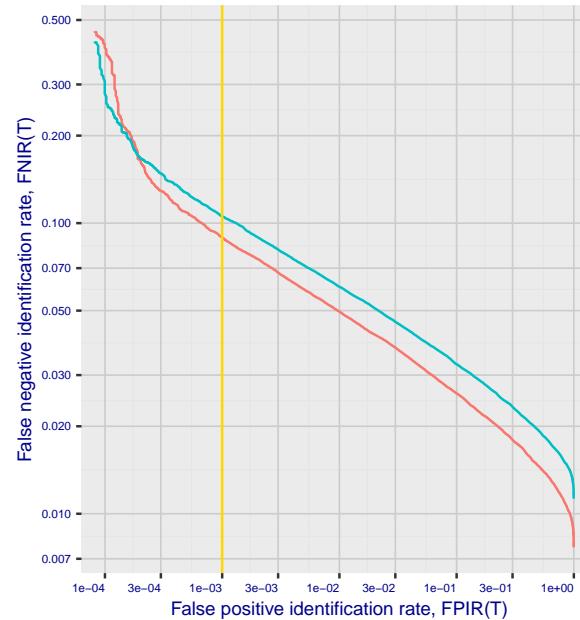
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



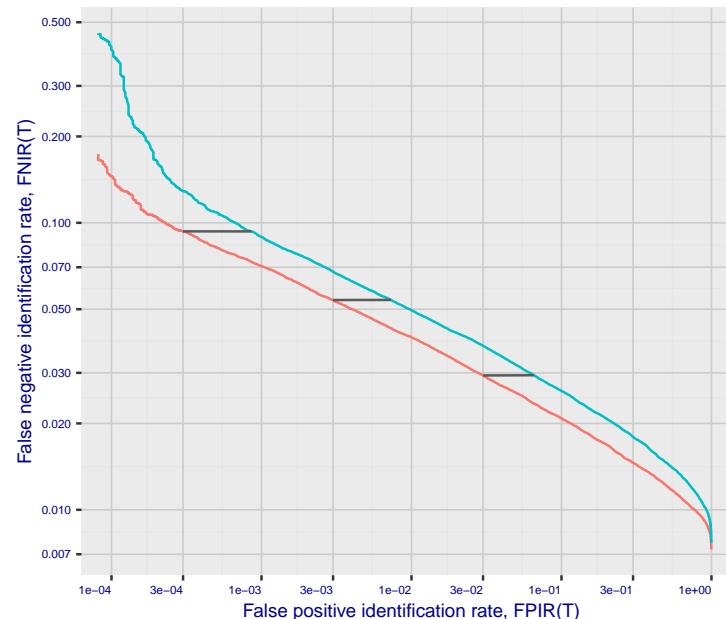
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**



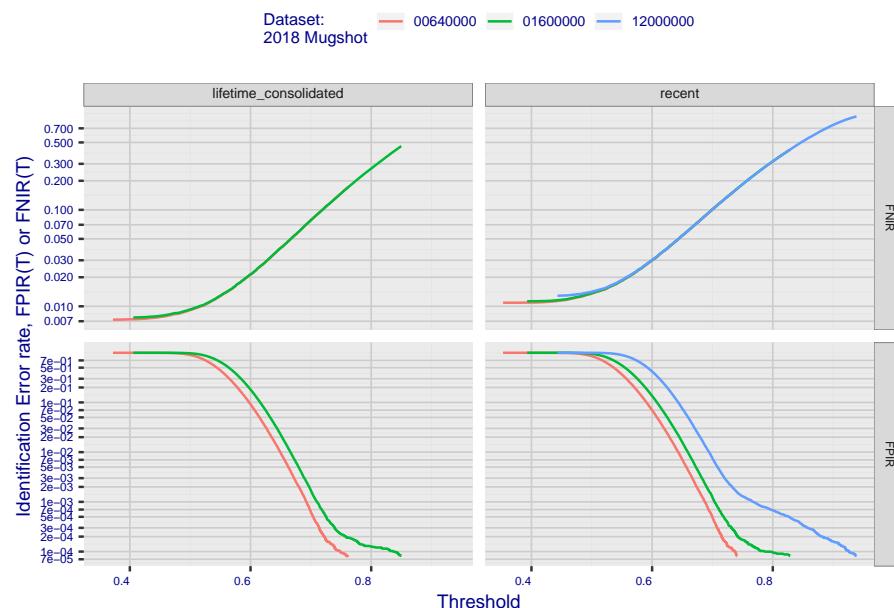
Dataset:  
2018 Mugshot  
Enrolled image:  
\_consolidated

00640000

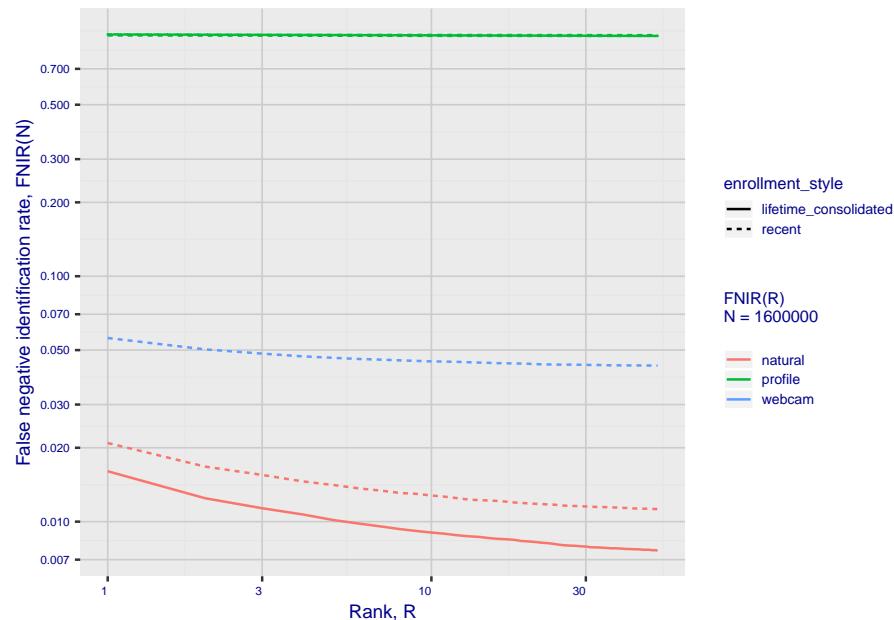
01600000

## 2. Report for algorithm nec\_1 2020-03-20 13:18:31

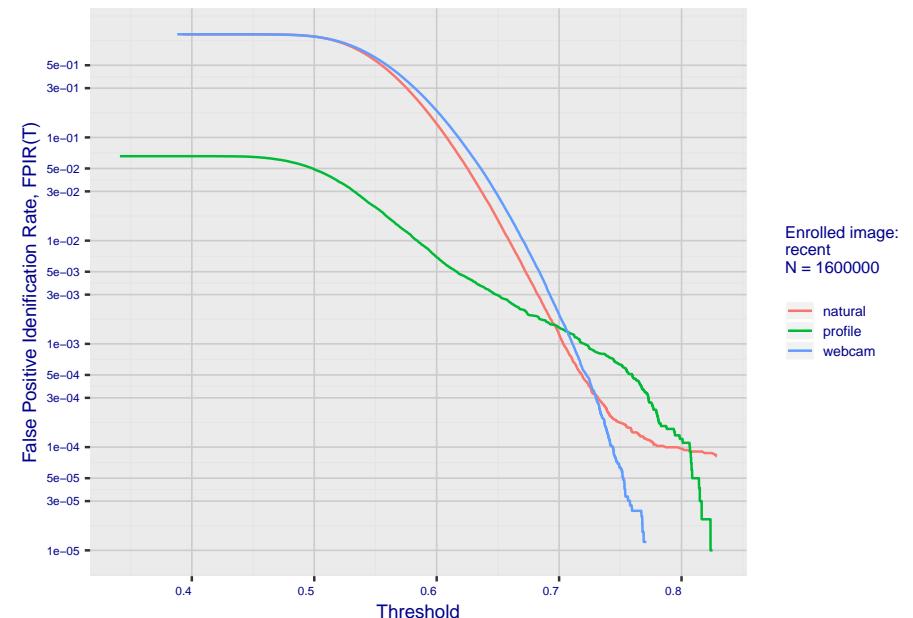
**Fig 5: Dependence on T by number enrolled identities**



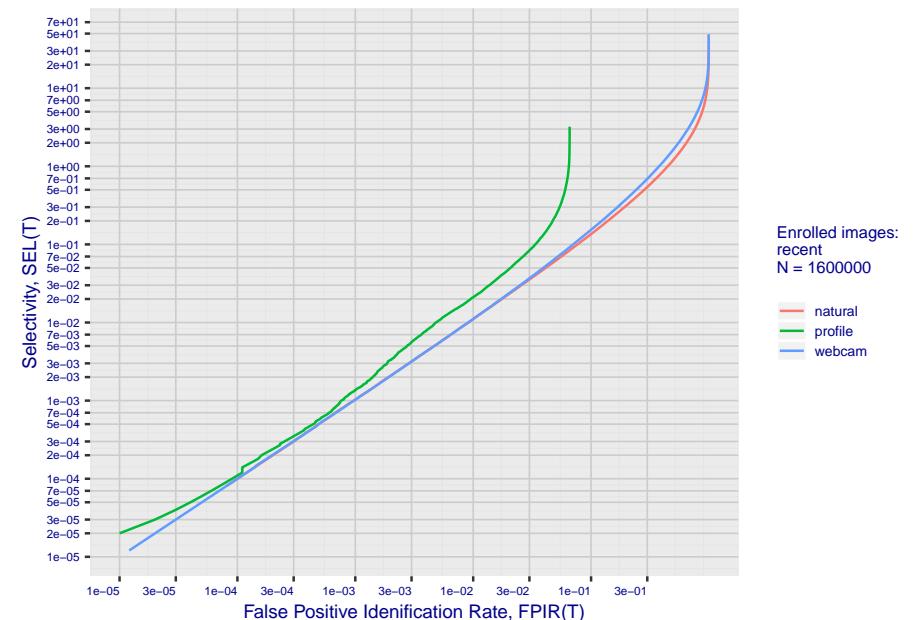
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

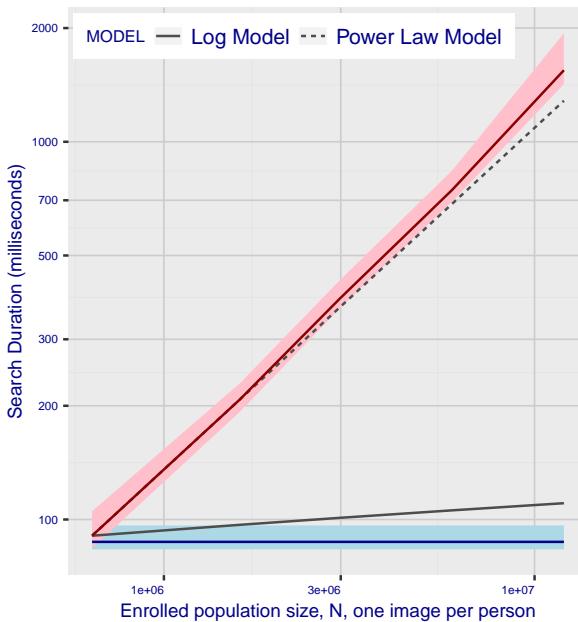


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm nec\_1 2020-03-20 13:18:31

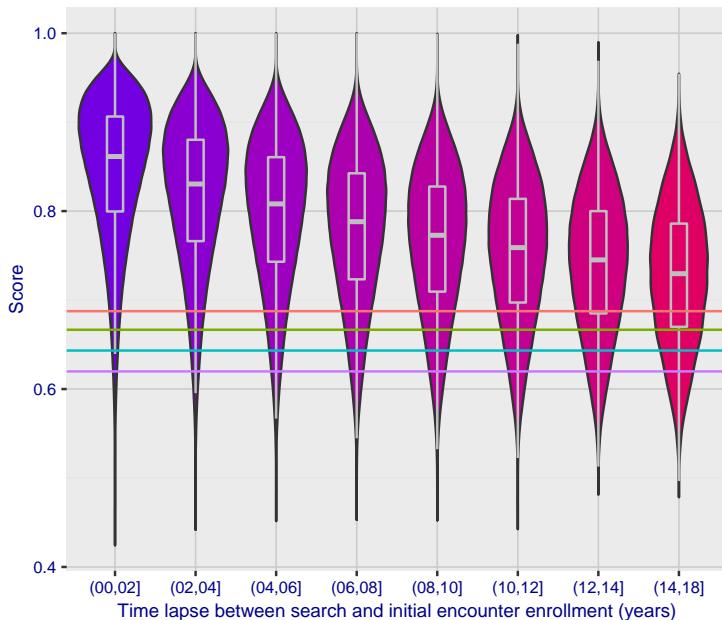
**Fig 10: Template duration; search duration vs. N**



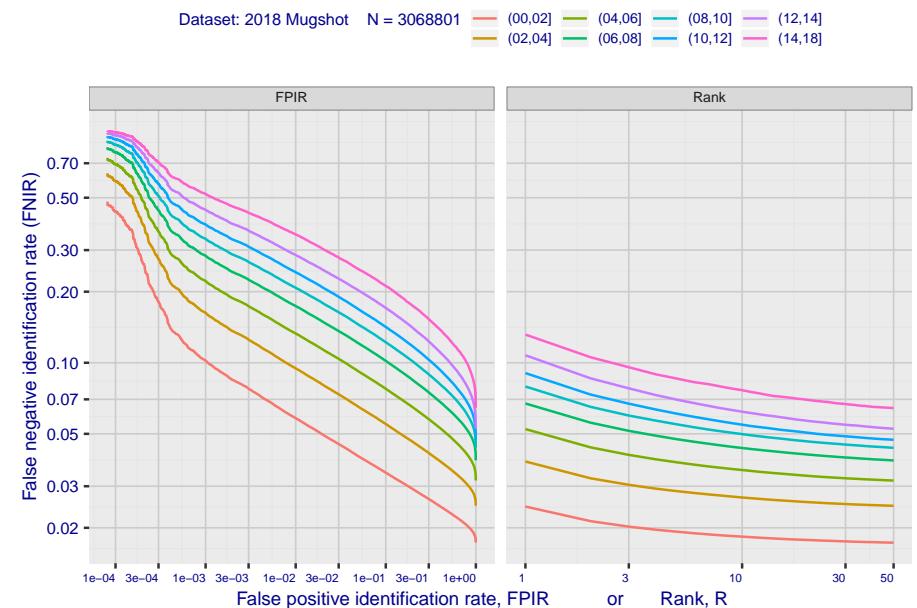
**Fig 11: Datasheet**

Algorithm: nec_1
Developer: NEC
Submission Date: 2018_06_29
Template size: 2592 bytes
Template time (2.5 percentile): 83 msec
Template time (median): 87 msec
Template time (97.5 percentile): 96 msec
Investigation rank 139 -- FNIR(1600000, 0, 1) = 0.0209 vs. lowest 0.0010 from sensetime_003
Identification rank 110 -- FNIR(1600000, T, L+1) = 0.1055
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

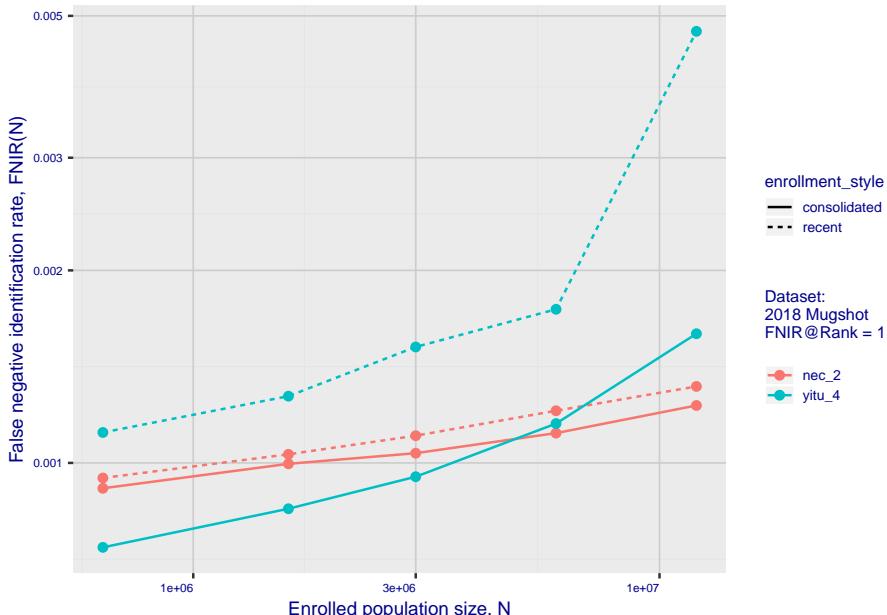


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

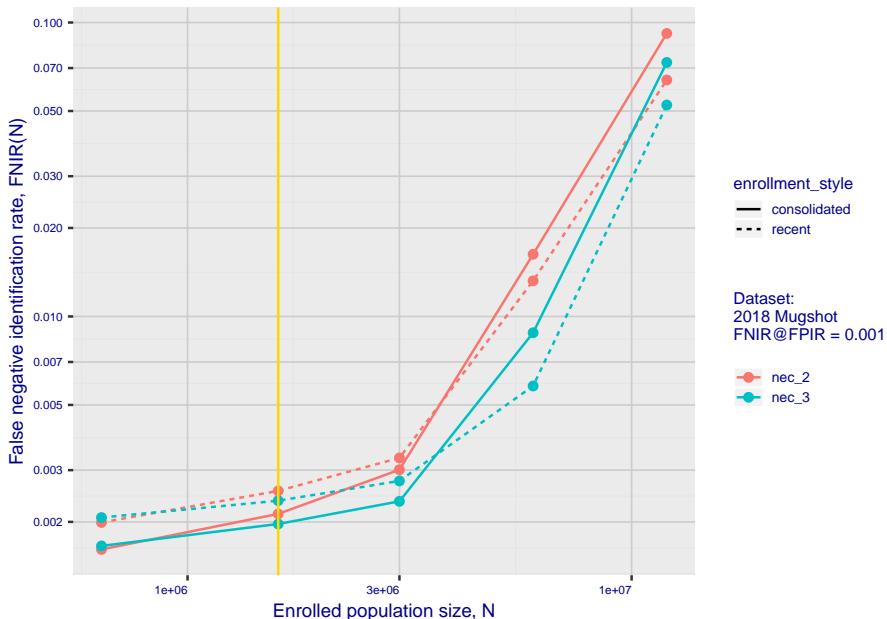


# 1. Report for algorithm nec\_2 2020-03-20 13:18:51

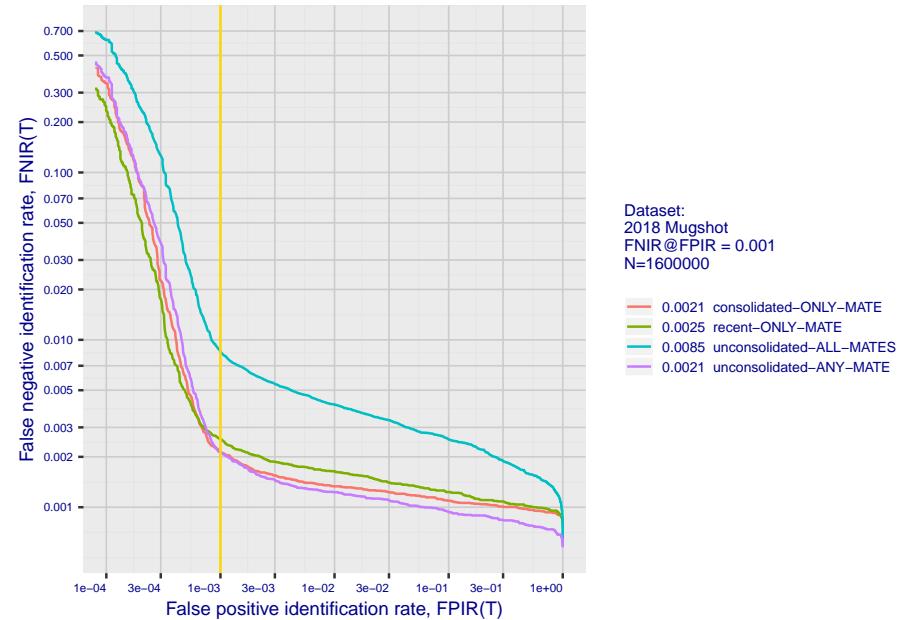
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



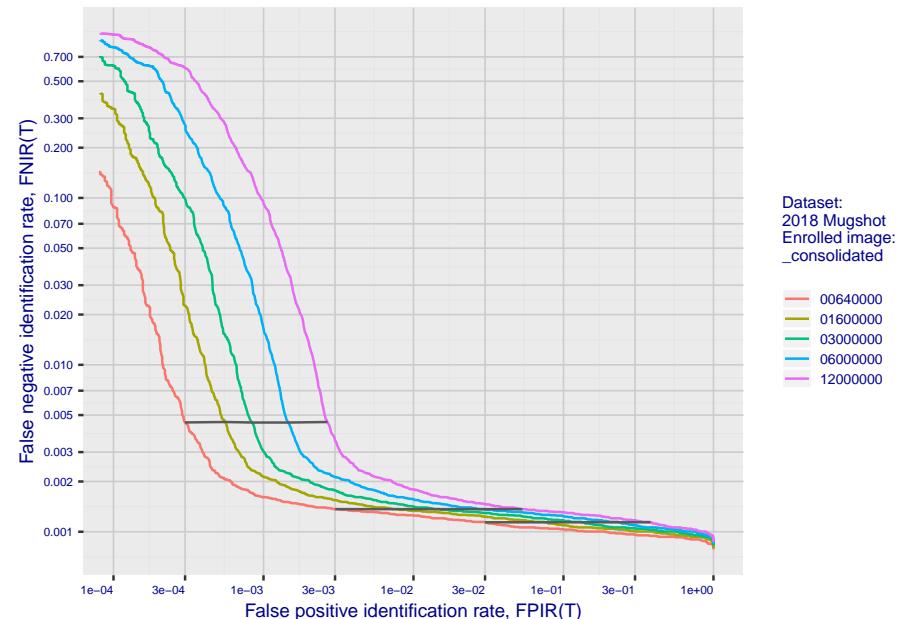
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

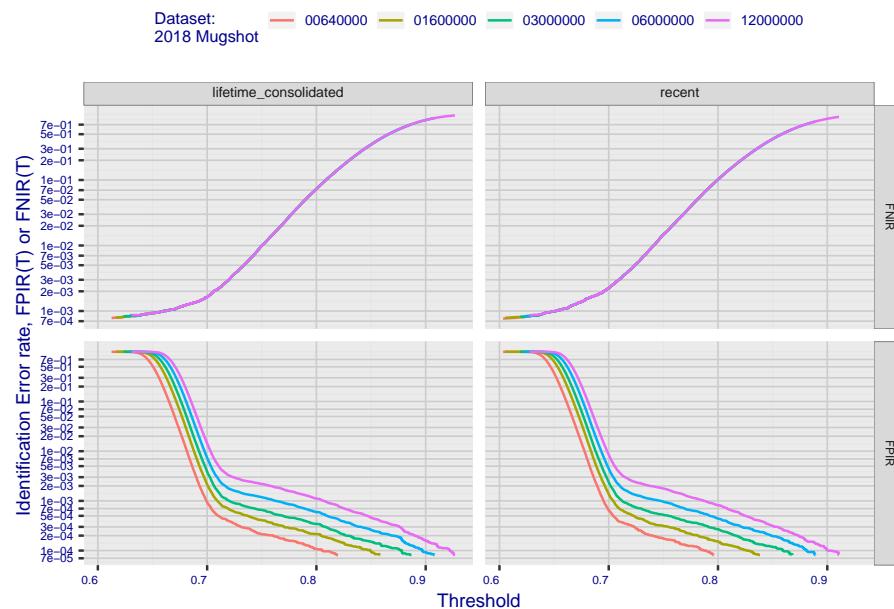


**Fig 4: DET for various N. Links connect points of equal threshold.**

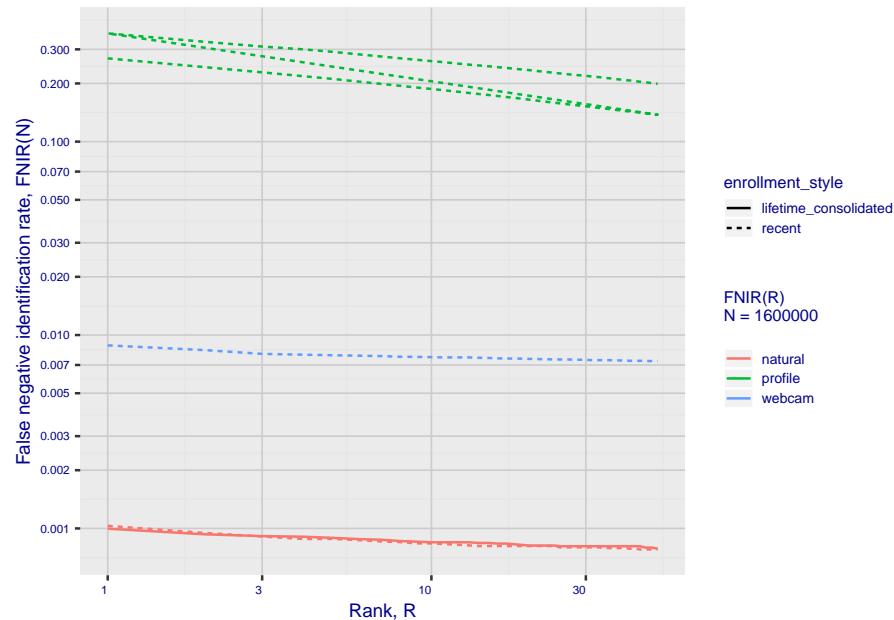


## 2. Report for algorithm nec\_2 2020-03-20 13:18:51

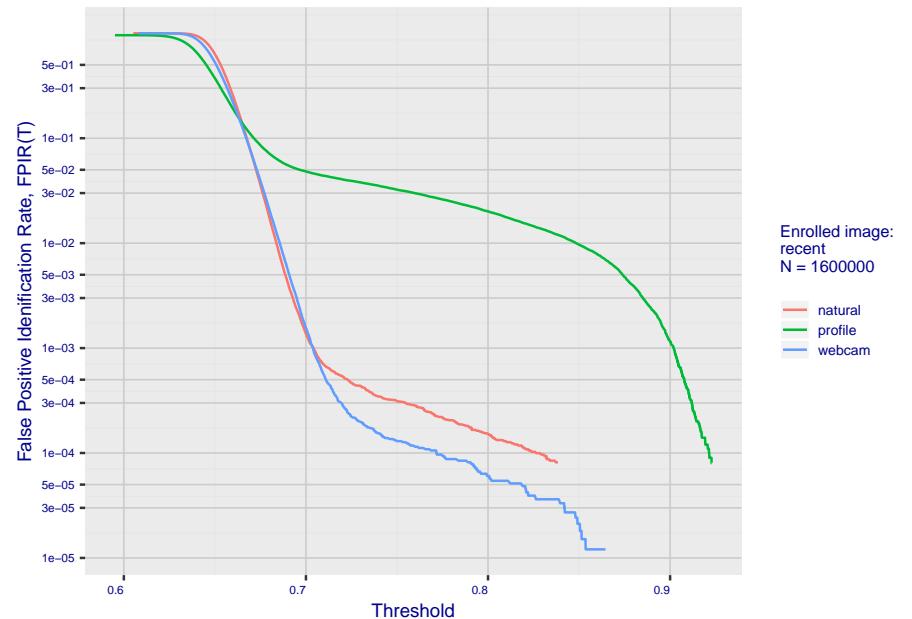
**Fig 5: Dependence on T by number enrolled identities**



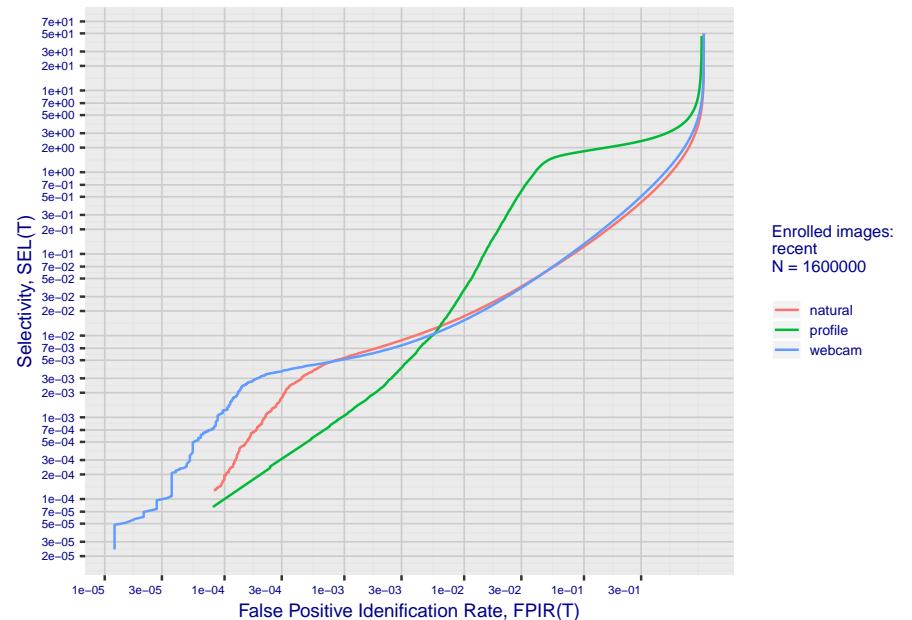
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

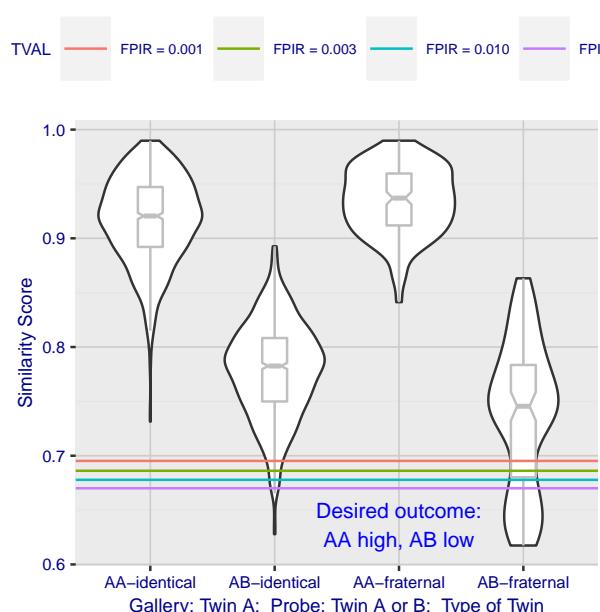


**Fig 8: FPIR vs. Selectivity**

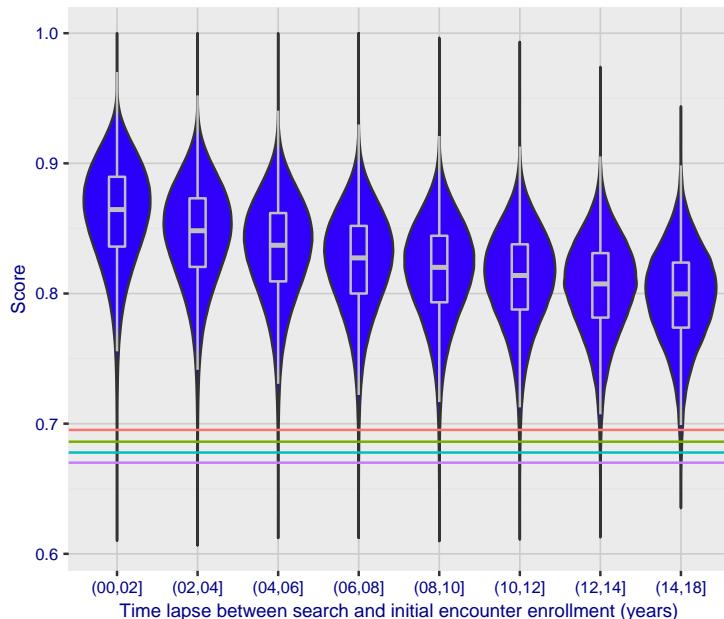


### 3. Report for algorithm nec\_2 2020-03-20 13:18:51

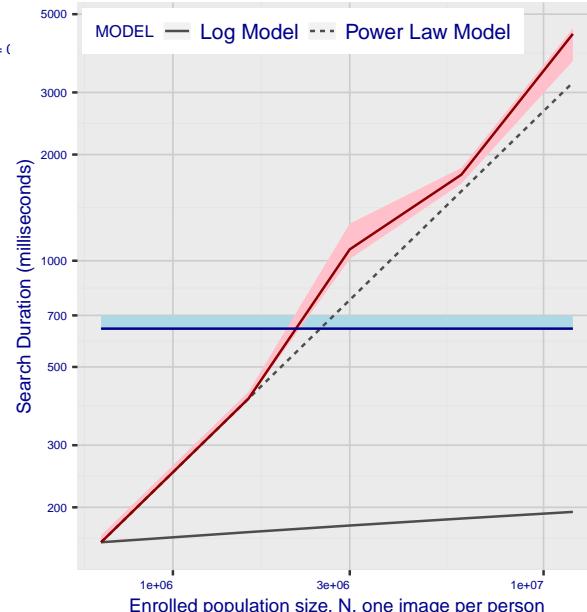
**Fig 9: Solo-Twin and Twin-Twin similarity scores**



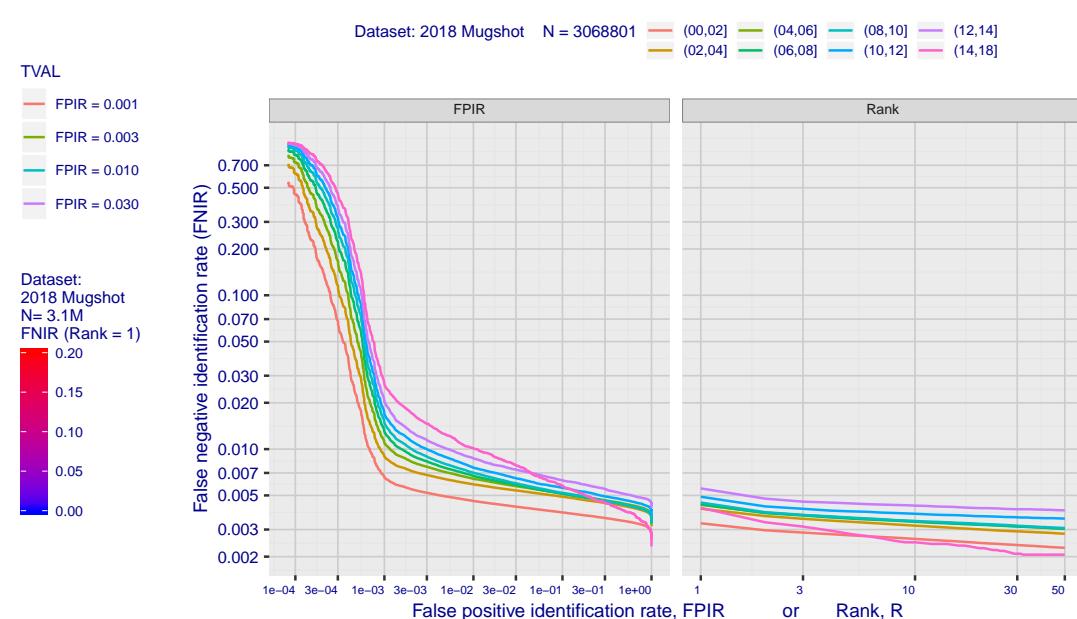
**Fig 12: Decline of genuine scores with ageing**



**Fig 10: Template duration; search duration vs. N**



**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

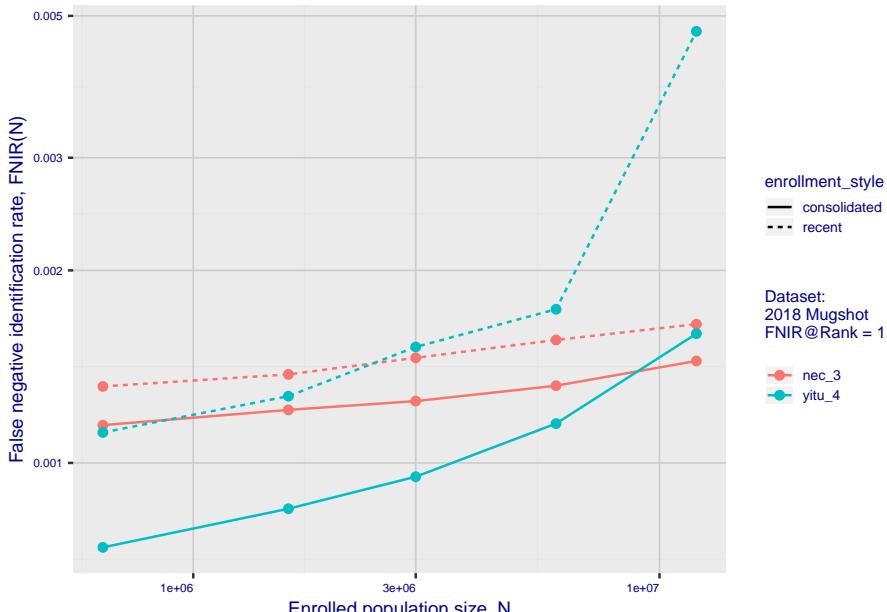


**Fig 11: Datasheet**

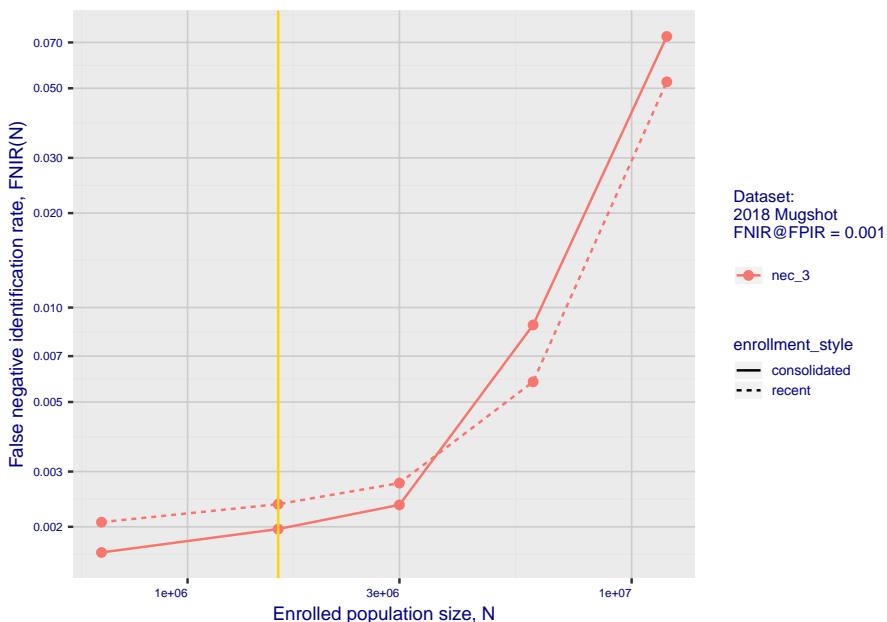
Algorithm:	nec_2
Developer:	NEC
Submission Date:	2018_10_30
Template size:	1616 bytes
Template time (2.5 percentile):	638 msec
Template time (median):	642 msec
Template time (97.5 percentile):	699 msec
Investigation rank 2 --- FNIR(1600000, 0, 1) = 0.0010 vs. lowest 0.0010 from sensetime_003	
Identification rank 3 --- FNIR(1600000, T, L+1) = 0.0025	
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm nec\_3 2020-03-20 13:18:47

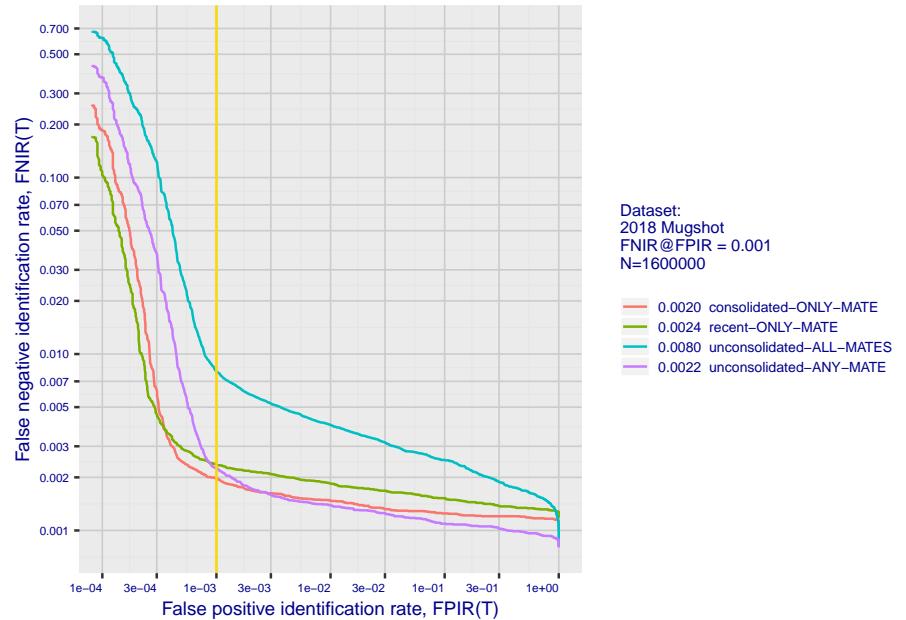
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



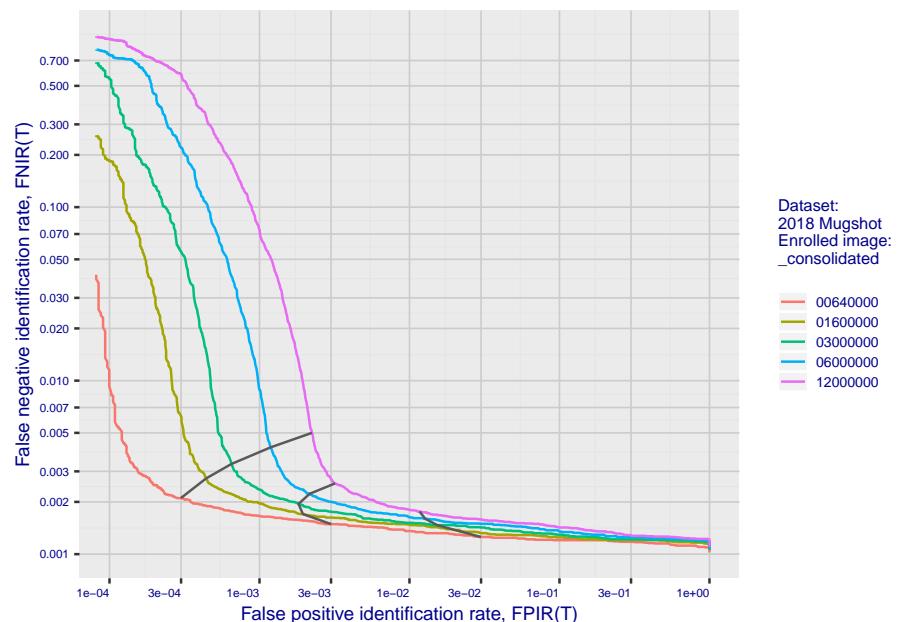
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

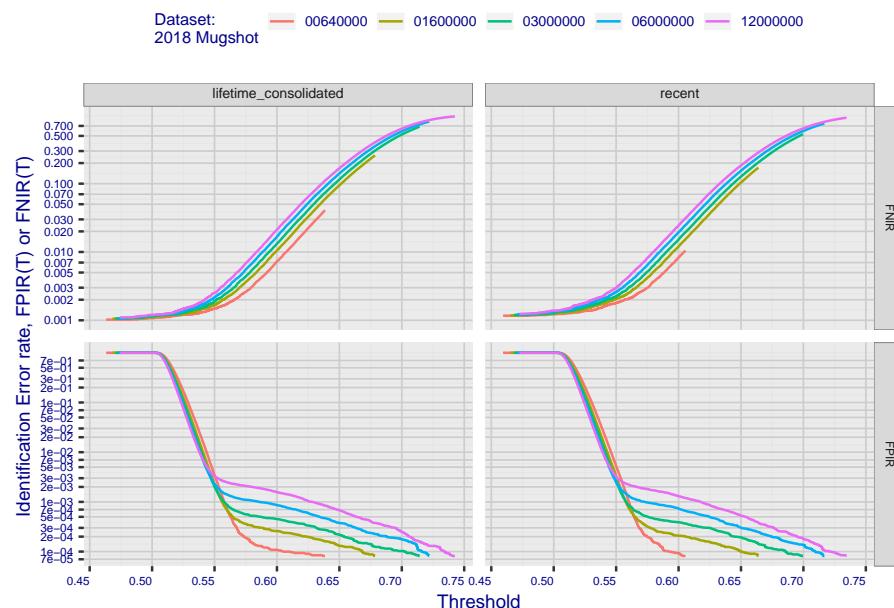


**Fig 4: DET for various N. Links connect points of equal threshold.**

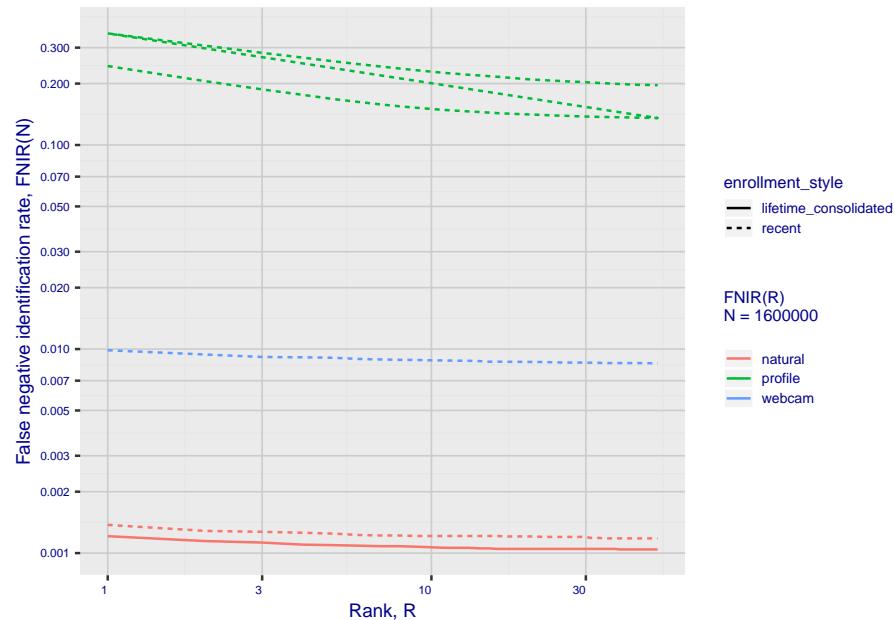


## 2. Report for algorithm nec\_3 2020-03-20 13:18:47

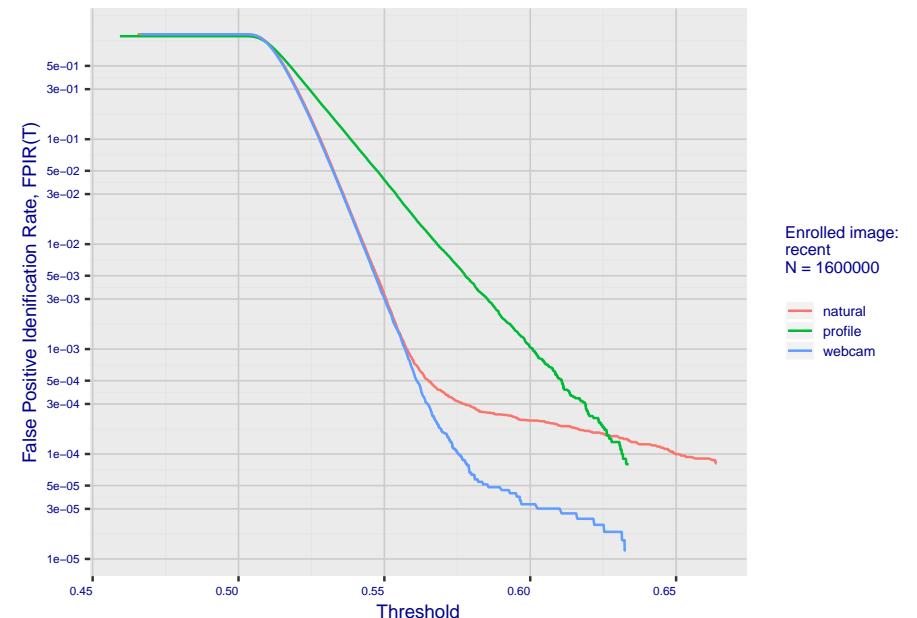
**Fig 5: Dependence on T by number enrolled identities**



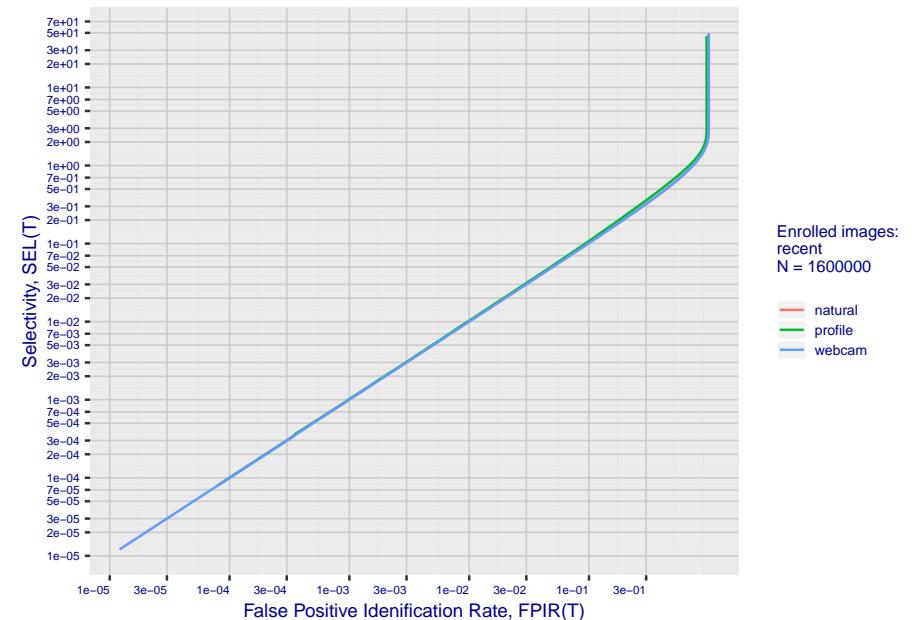
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

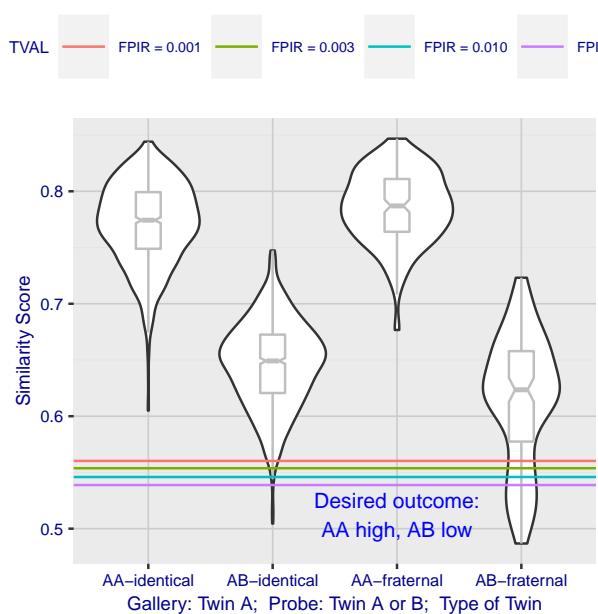


**Fig 8: FPIR vs. Selectivity**

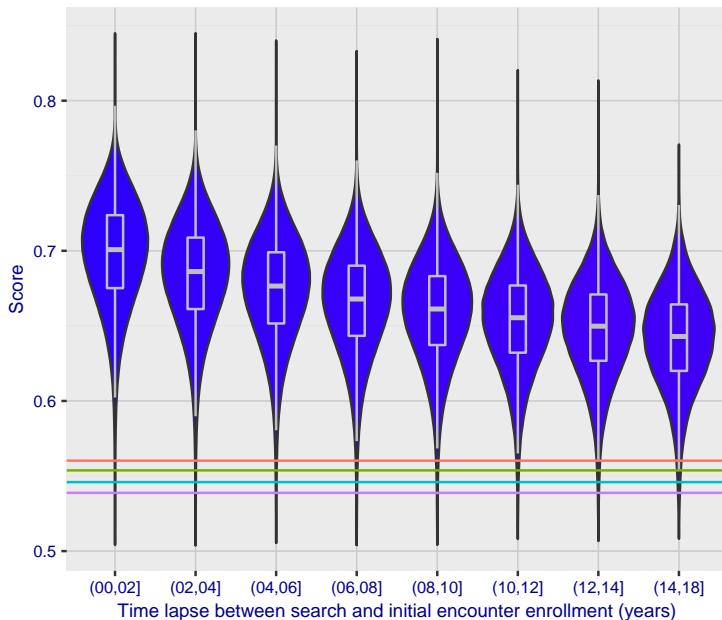


### 3. Report for algorithm nec\_3 2020-03-20 13:18:47

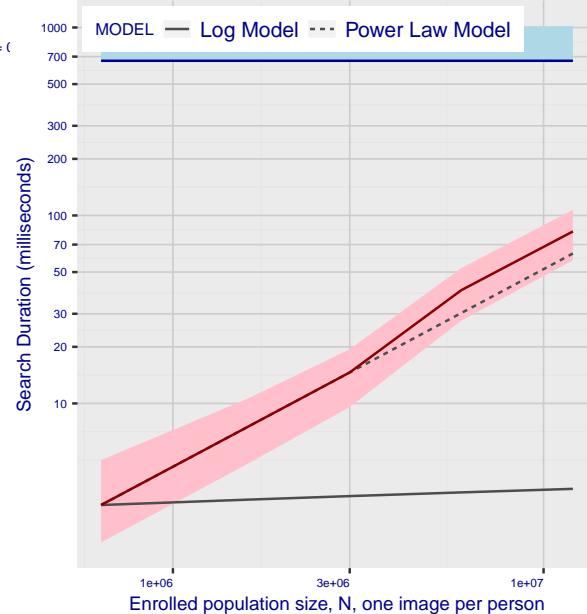
**Fig 9: Solo-Twin and Twin-Twin similarity scores**



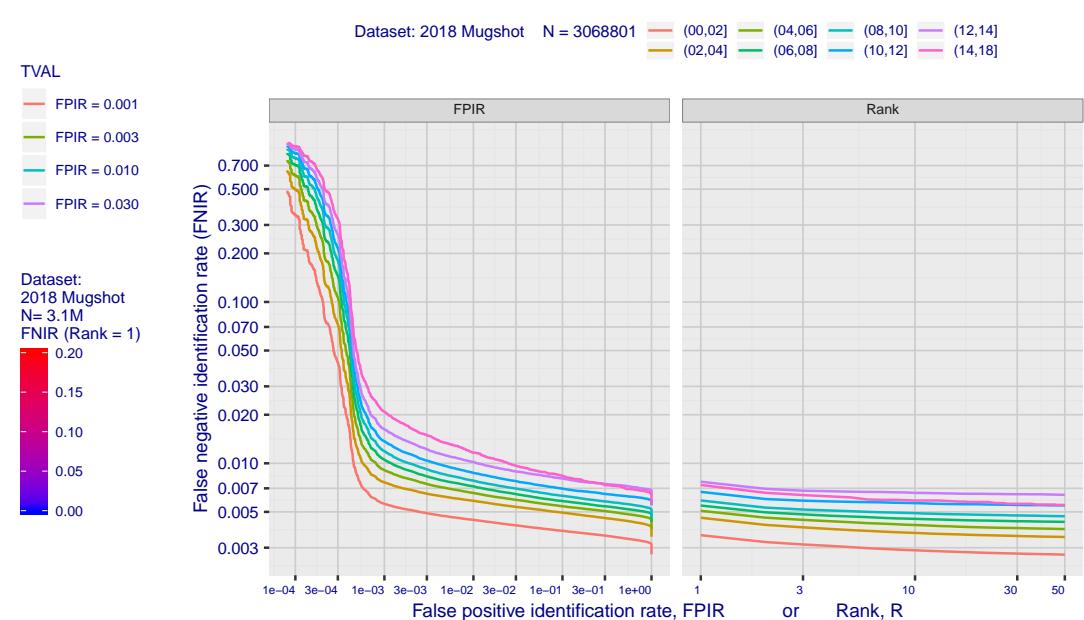
**Fig 12: Decline of genuine scores with ageing**



**Fig 10: Template duration; search duration vs. N**



**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

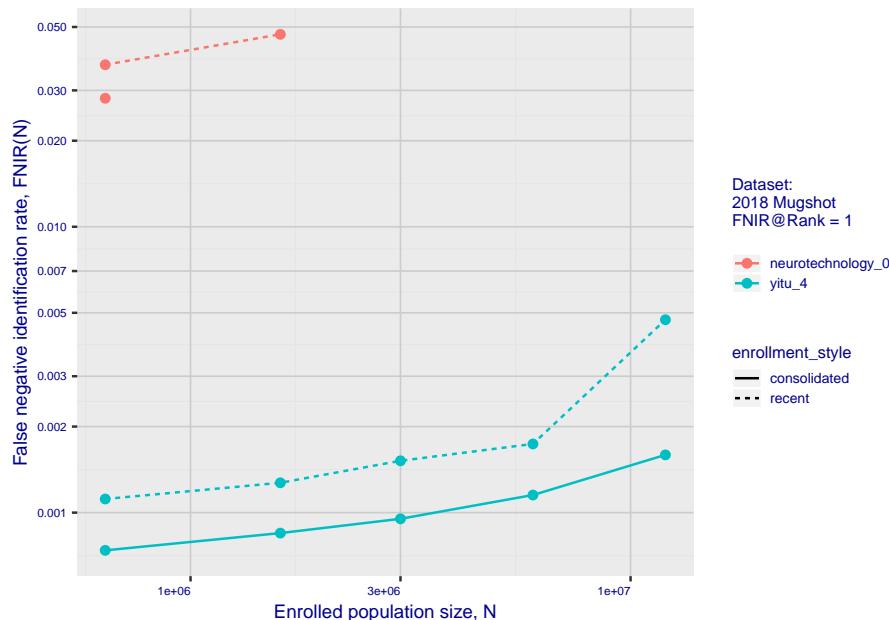


**Fig 11: Datasheet**

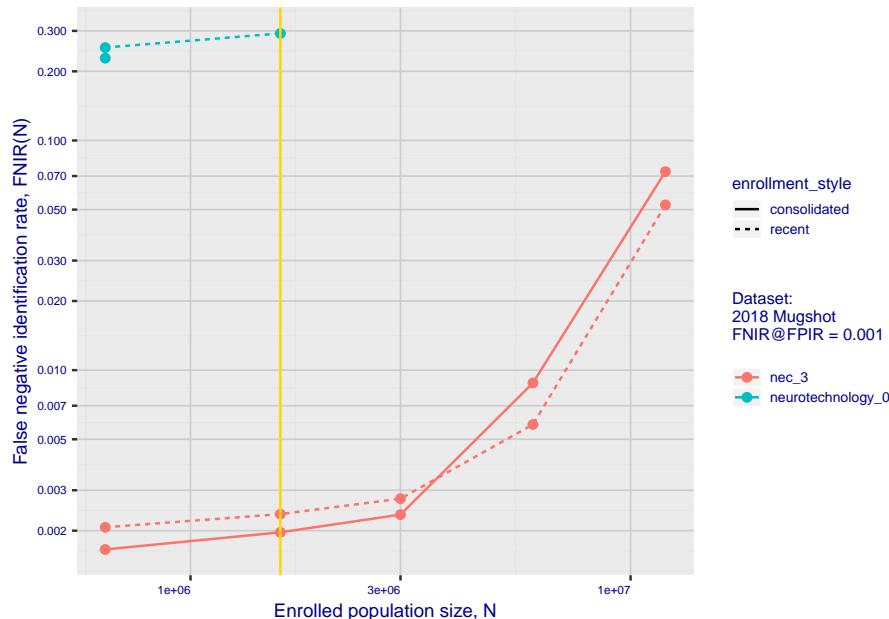
Algorithm: nec_3
Developer: NEC
Submission Date: 2018_10_30
Template size: 1712 bytes
Template time (2.5 percentile): 660 msec
Template time (median): 665 msec
Template time (97.5 percentile): 1015 msec
Investigation rank 4 --- FNIR(1600000, 0, 1) = 0.0014 vs. lowest 0.0010 from sensetime_003
Identification rank 2 --- FNIR(1600000, T, L+1) = 0.0024
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm neurotechnology\_0 2020-03-20 13:25:29

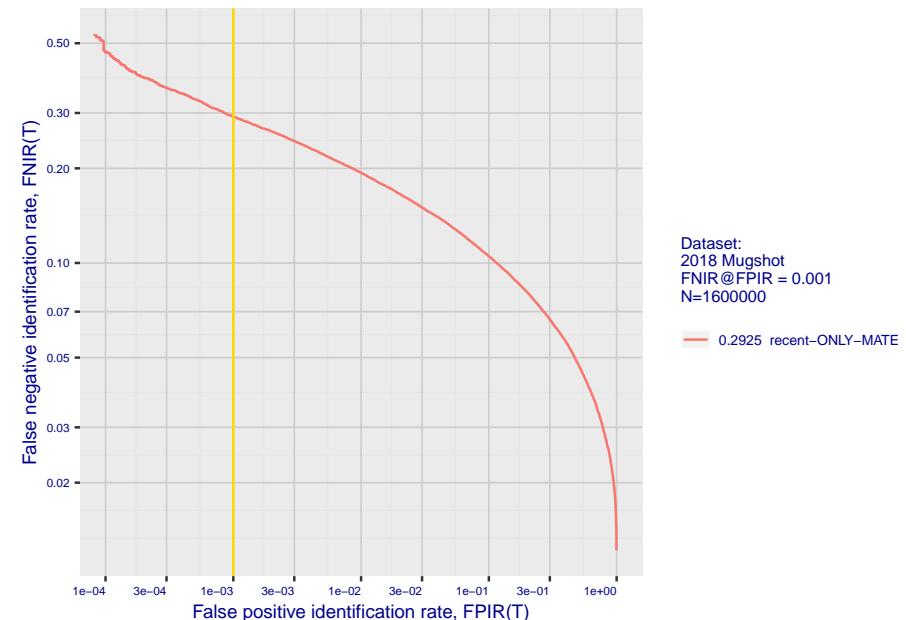
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



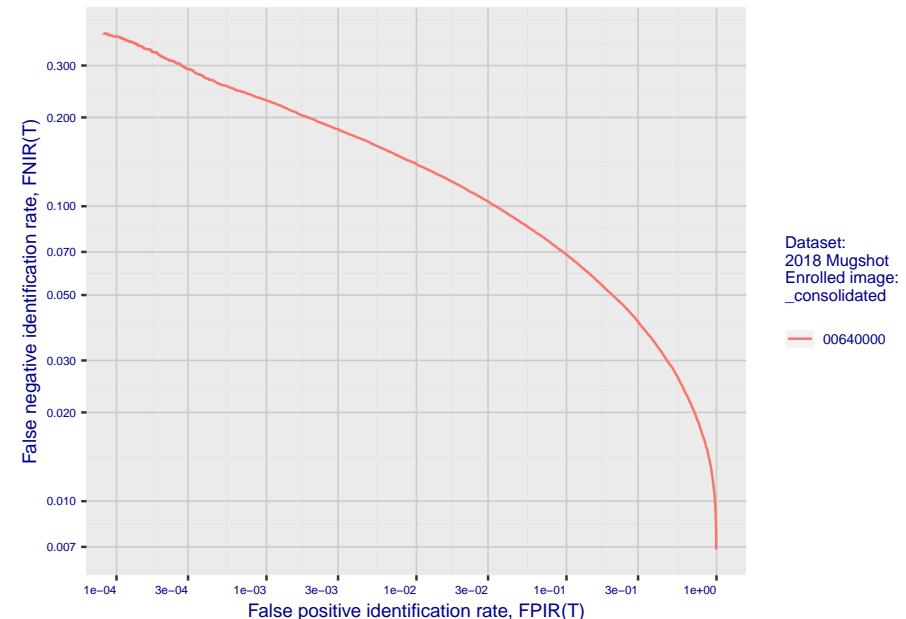
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

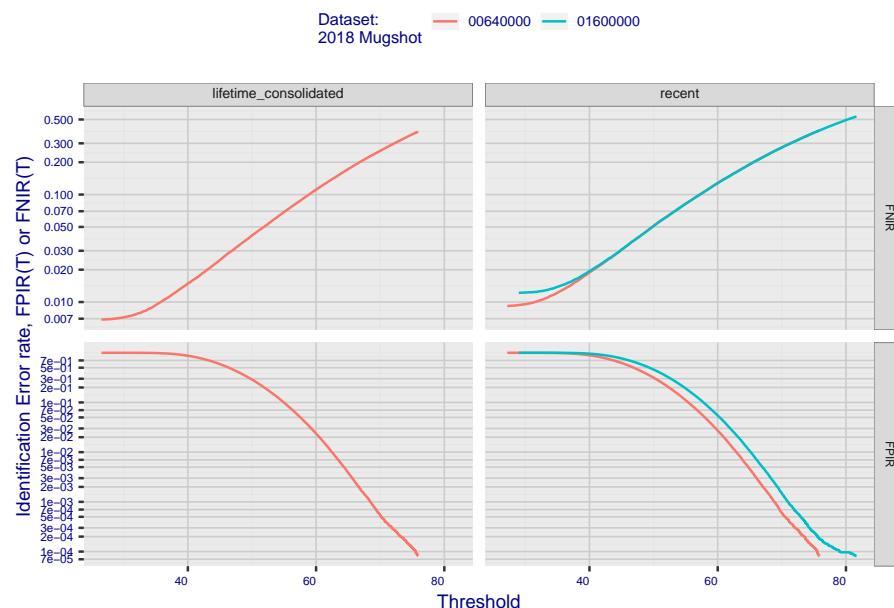


**Fig 4: DET for various N. Links connect points of equal threshold.**

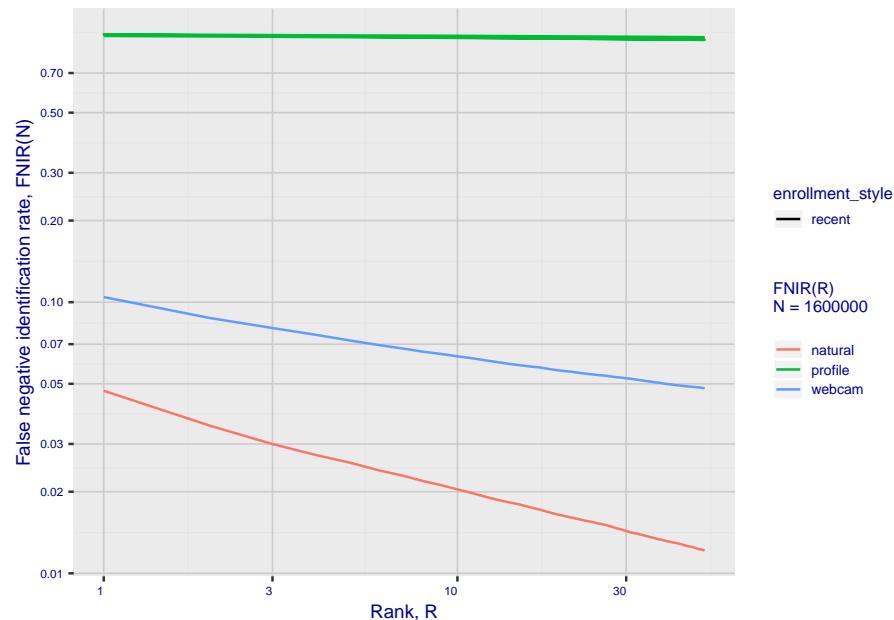


## 2. Report for algorithm neurotechnology\_0 2020-03-20 13:25:29

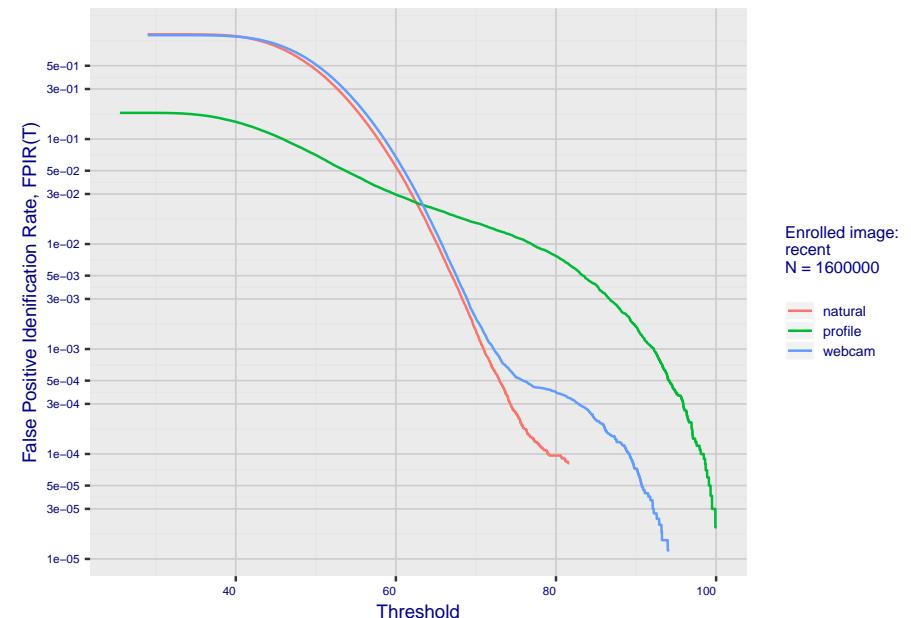
**Fig 5: Dependence on T by number enrolled identities**



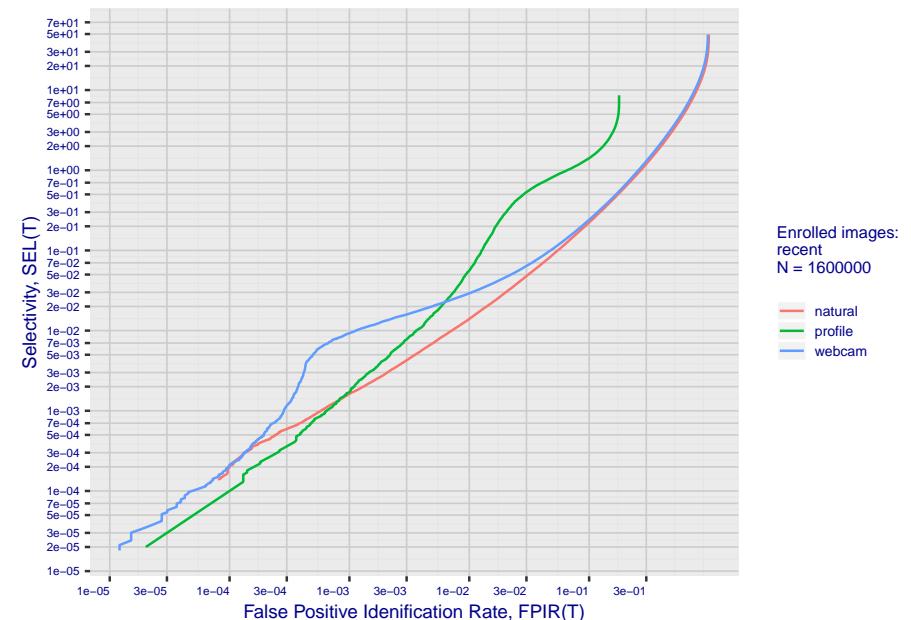
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

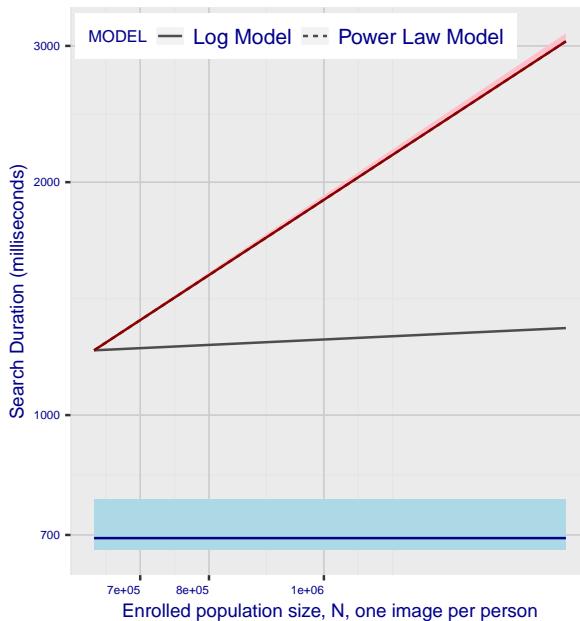


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm neurotechnology\_0 2020-03-20 13:25:29**

**Fig 10: Template duration; search duration vs. N**

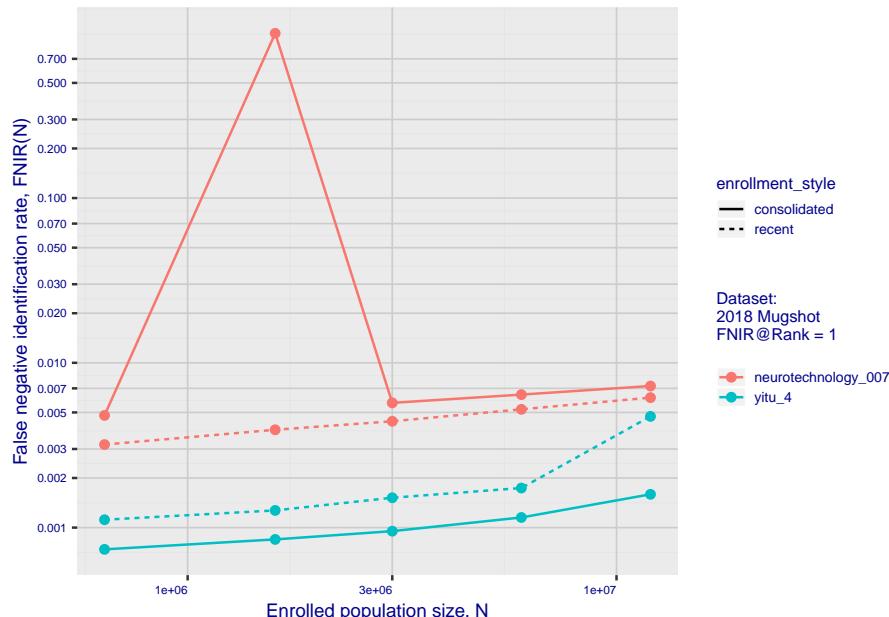


**Fig 11: Datasheet**

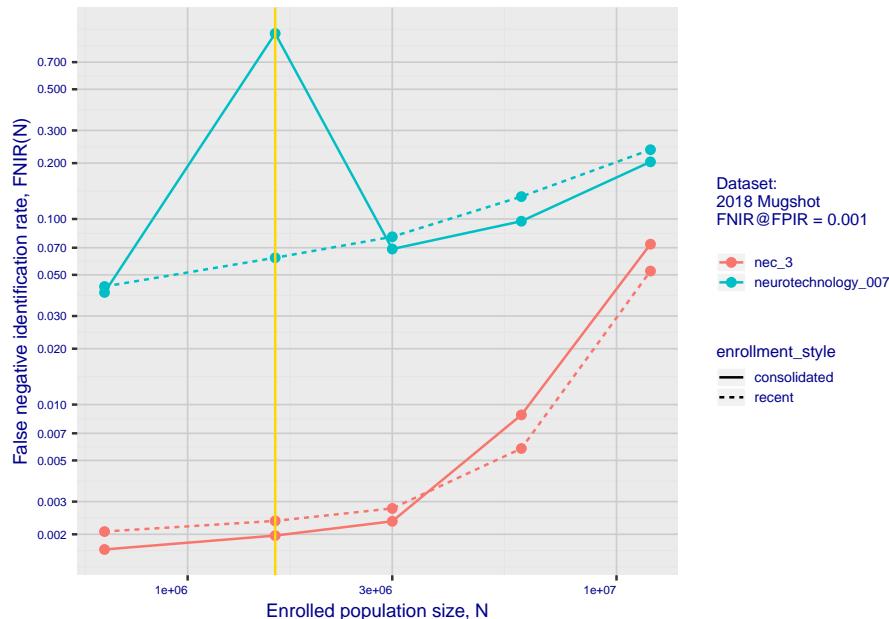
Algorithm:	neurotechnology_0
Developer:	Neurotechnology
Submission Date:	2018_02_16
Template size:	5214 bytes
Template time (2.5 percentile):	671 msec
Template time (median):	693 msec
Template time (97.5 percentile):	778 msec
Investigation rank 173 -- FNIR(160000, 0, 1) = 0.0471 vs. lowest 0.0010 from sensetime_003	
Identification rank 164 -- FNIR(160000, T, L+1) = 0.2925	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm neurotechnology\_007 2020-03-20 13:18:34

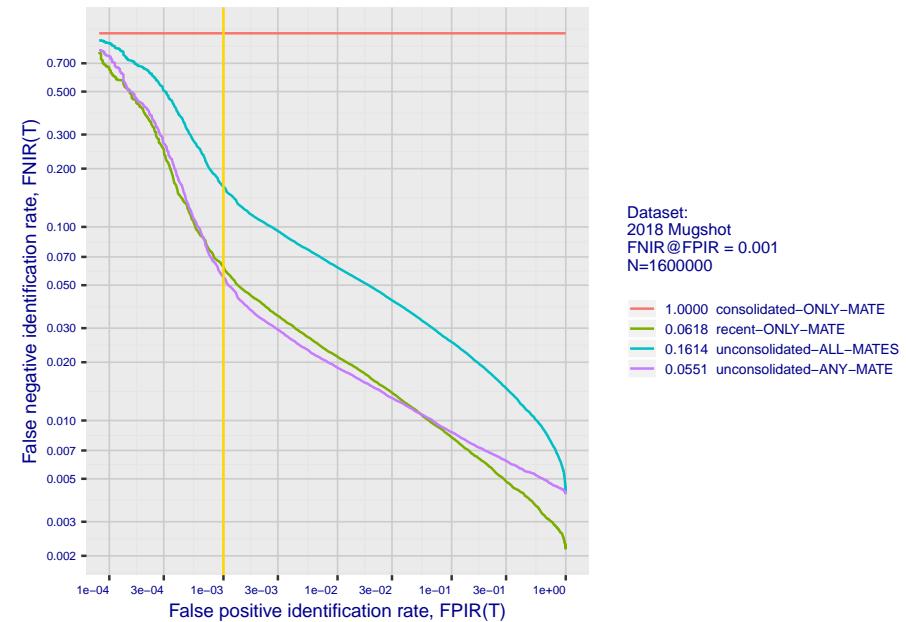
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



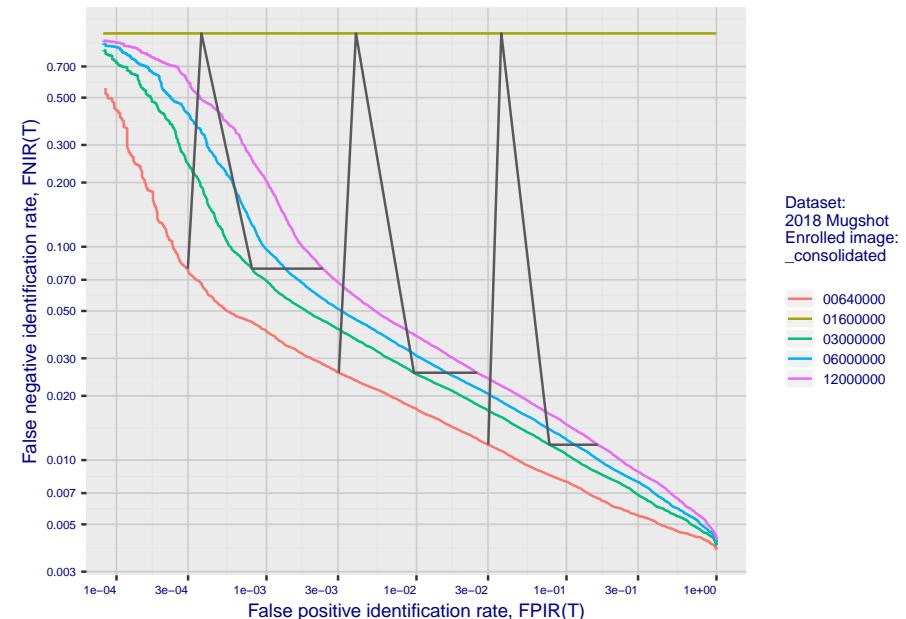
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

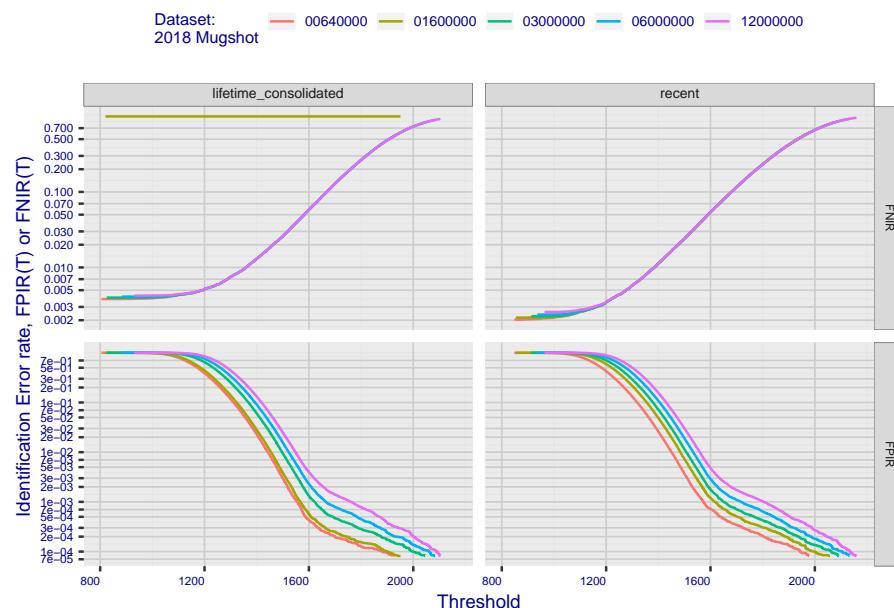


**Fig 4: DET for various N. Links connect points of equal threshold.**

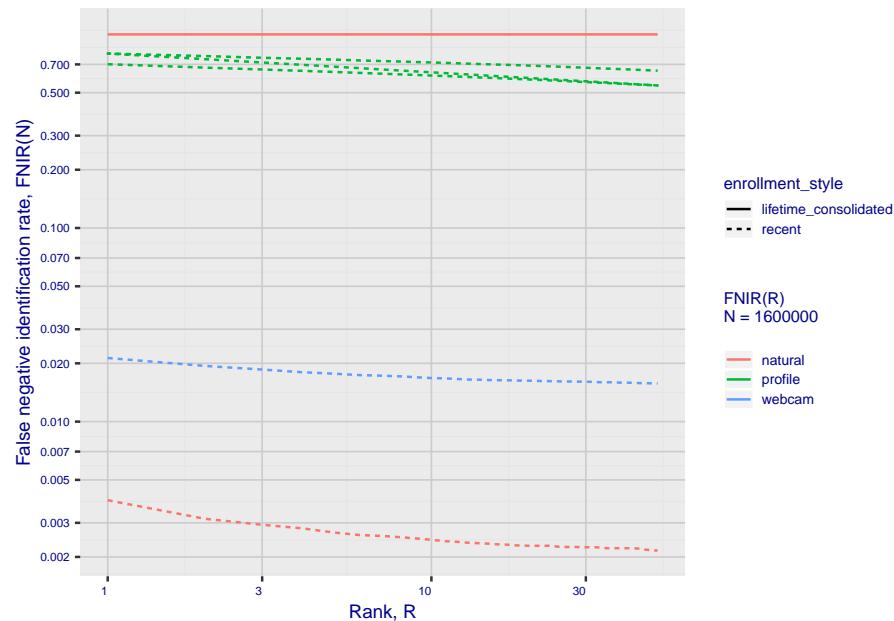


## 2. Report for algorithm neurotechnology\_007 2020-03-20 13:18:34

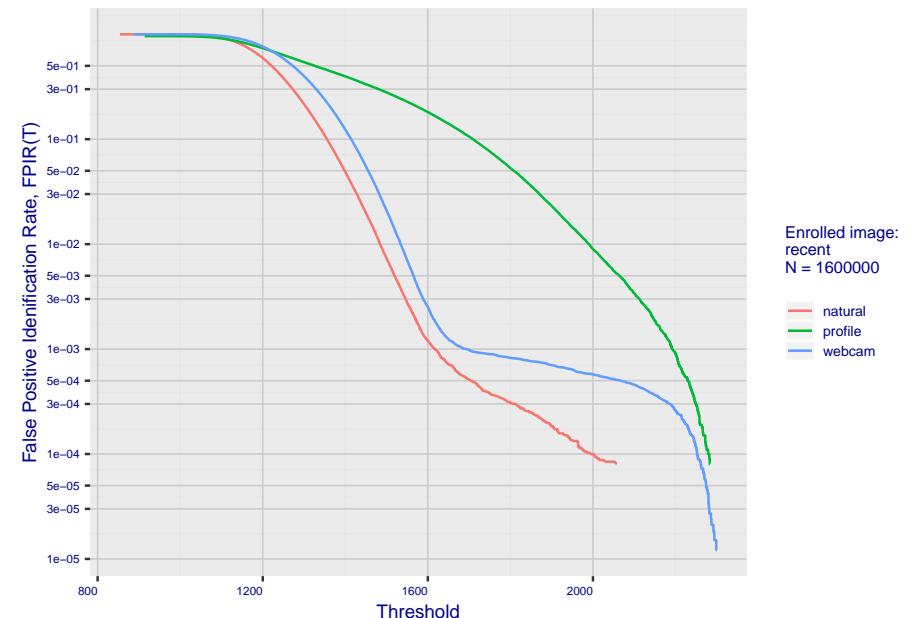
**Fig 5: Dependence on T by number enrolled identities**



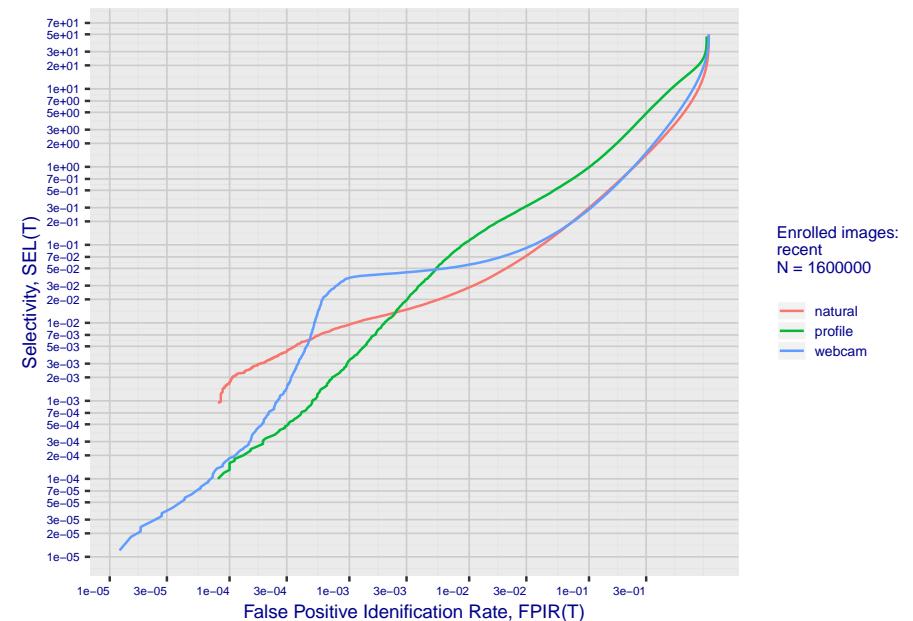
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

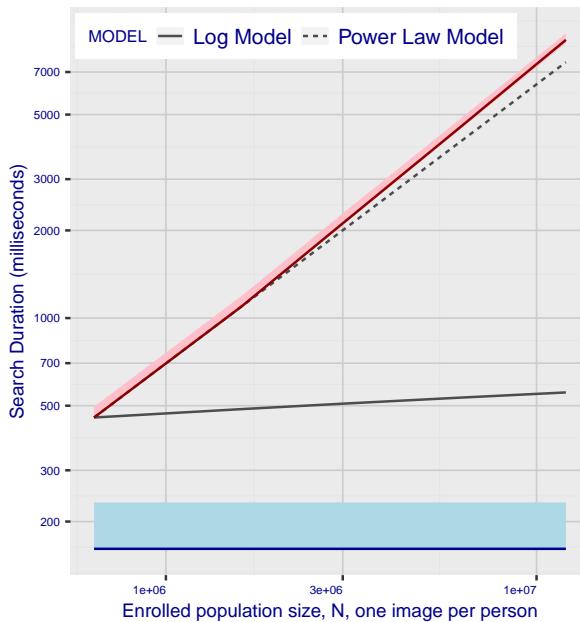


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm neurotechnology\_007 2020-03-20 13:18:34

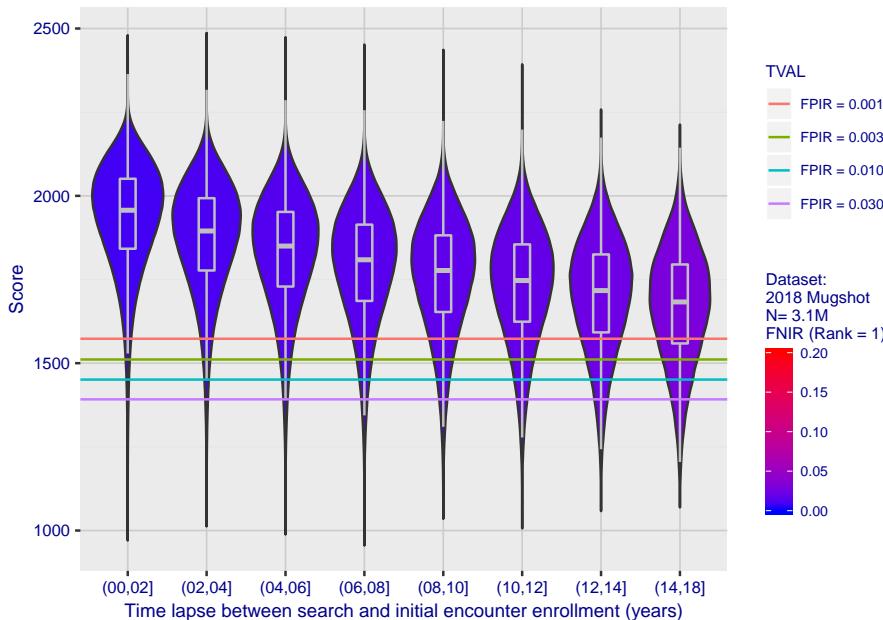
**Fig 10: Template duration; search duration vs. N**



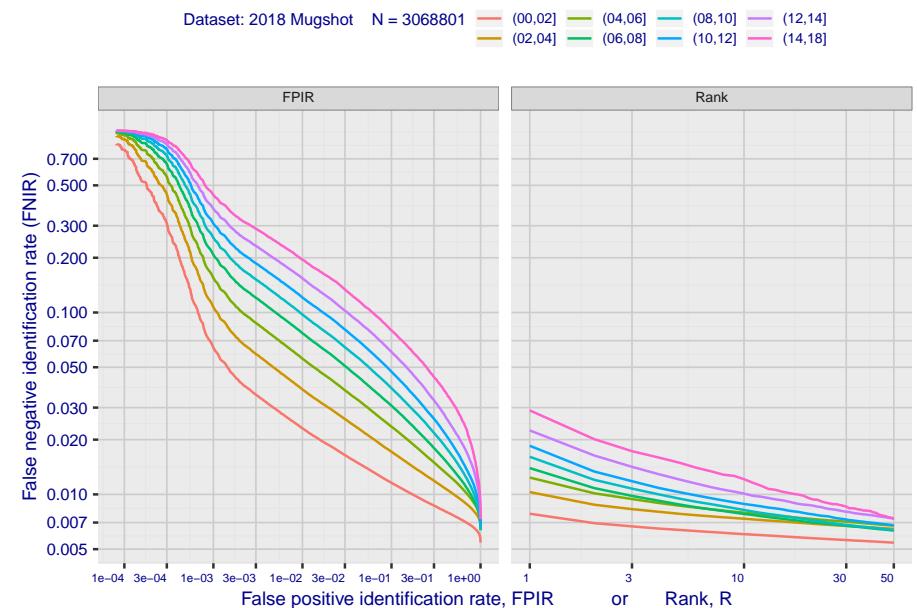
**Fig 11: Datasheet**

Algorithm: neurotechnology_007
Developer: Neurotechnology
Submission Date: 2019_10_03
Template size: 256 bytes
Template time (2.5 percentile): 161 msec
Template time (median): 161 msec
Template time (97.5 percentile): 233 msec
Investigation rank 42 — FNIR(1600000, 0, 1) = 0.0039 vs. lowest 0.0010 from sensetime_003
Identification rank 77 — FNIR(1600000, T, L+1) = 0.0618
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

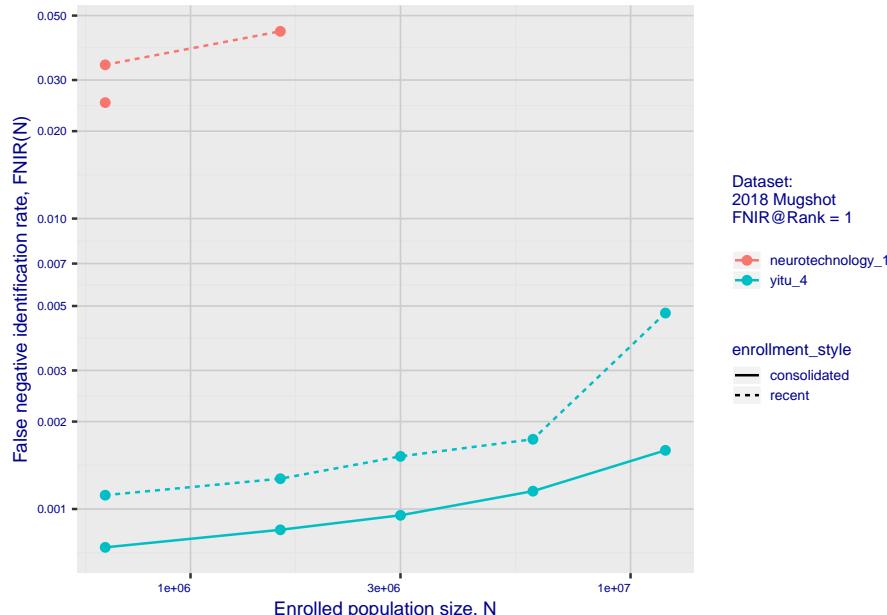


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

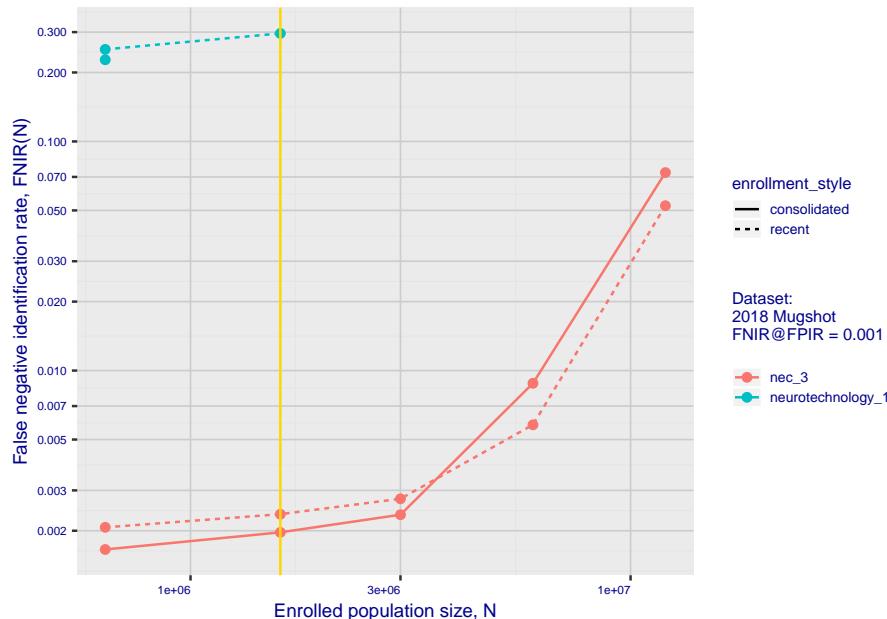


# 1. Report for algorithm neurotechnology\_1 2020-03-20 13:16:46

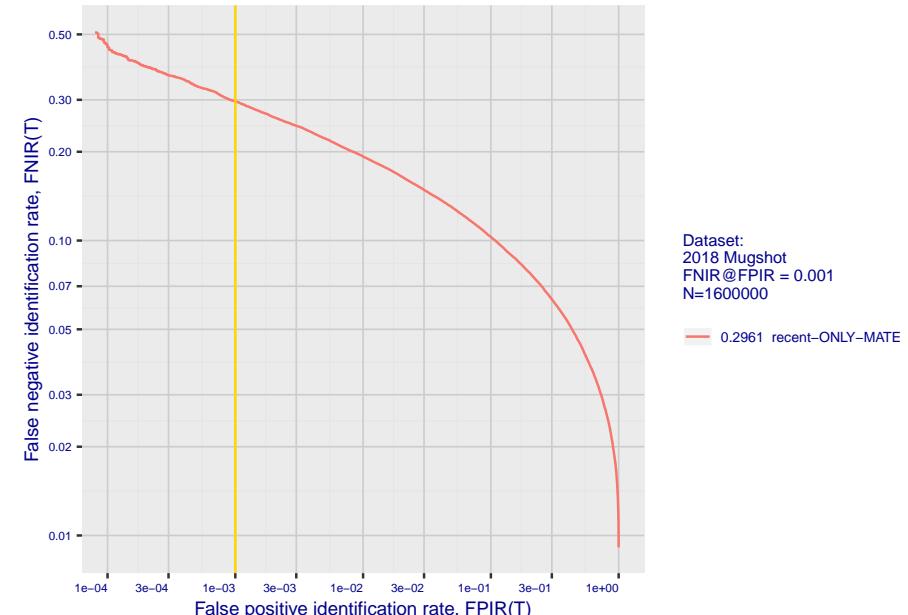
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



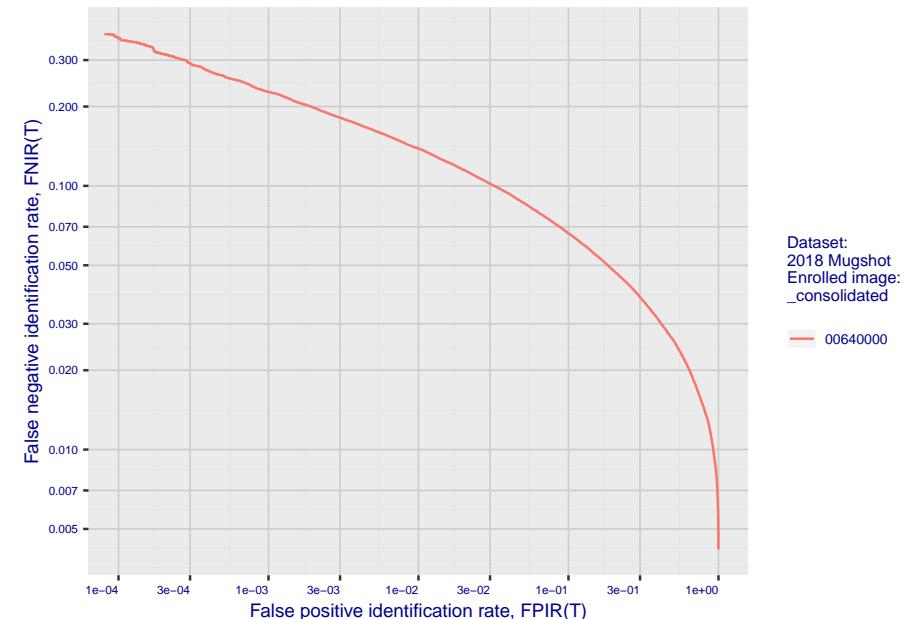
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

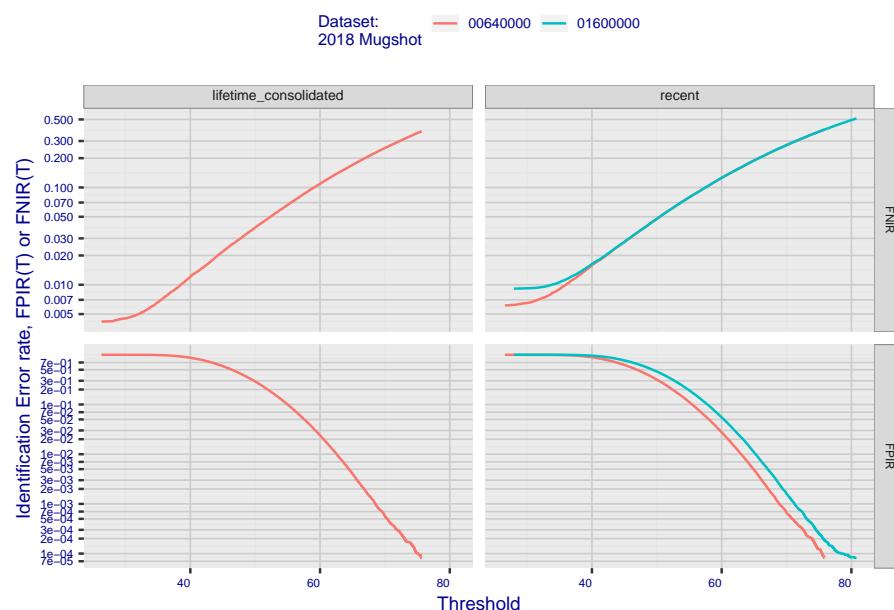


**Fig 4: DET for various N. Links connect points of equal threshold.**

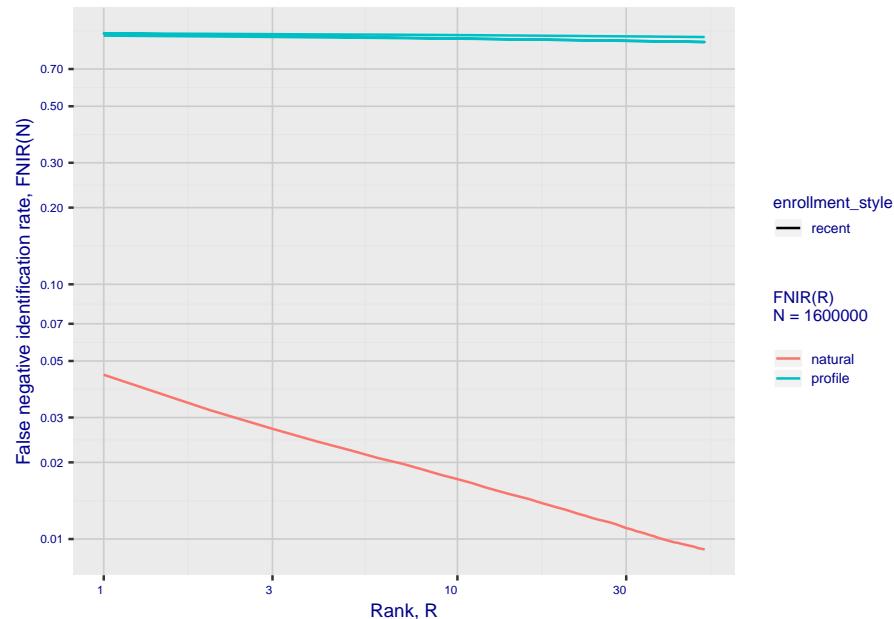


## 2. Report for algorithm neurotechnology\_1 2020-03-20 13:16:46

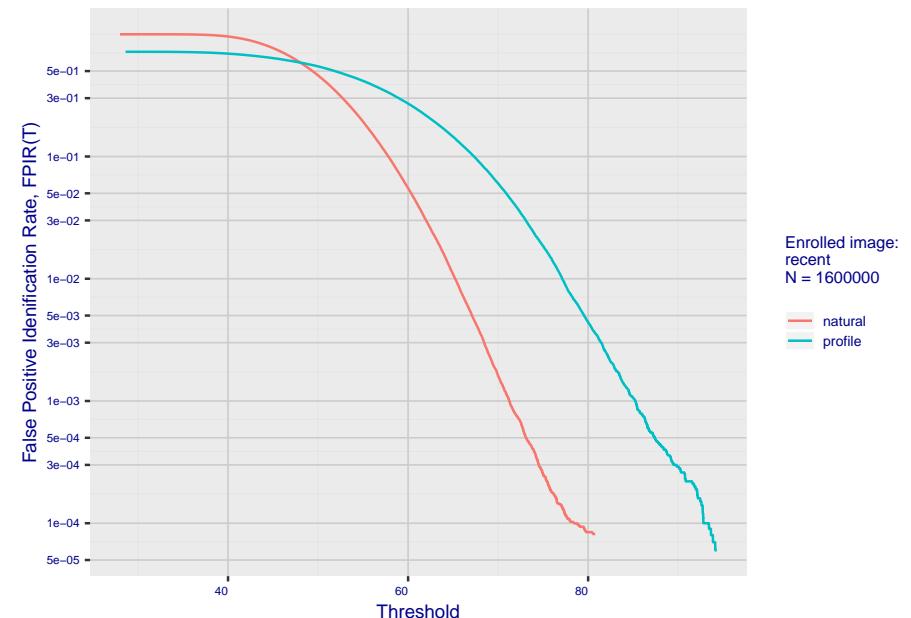
**Fig 5: Dependence on T by number enrolled identities**



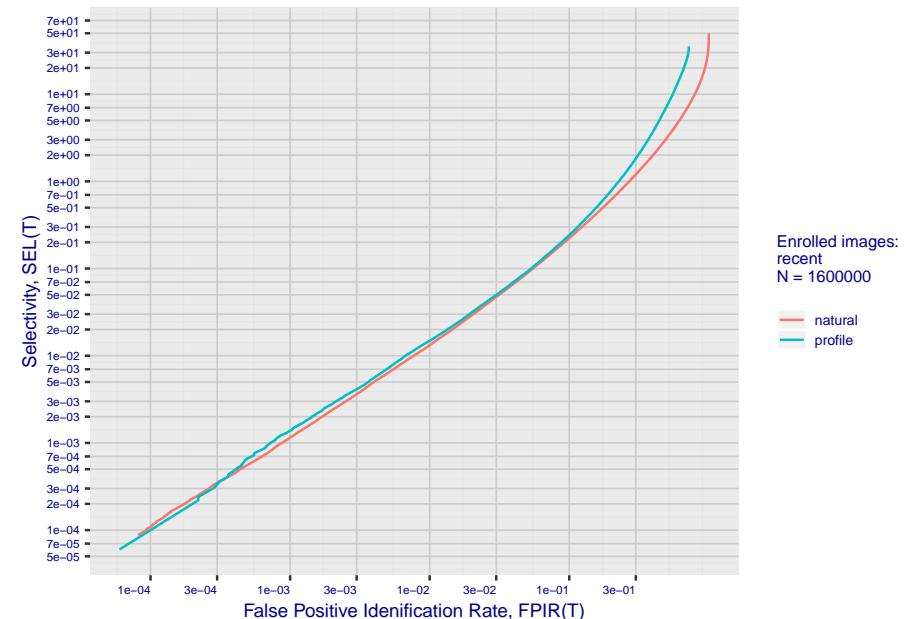
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm neurotechnology\_1 2020-03-20 13:16:46

Fig 10: Template duration; search duration vs. N

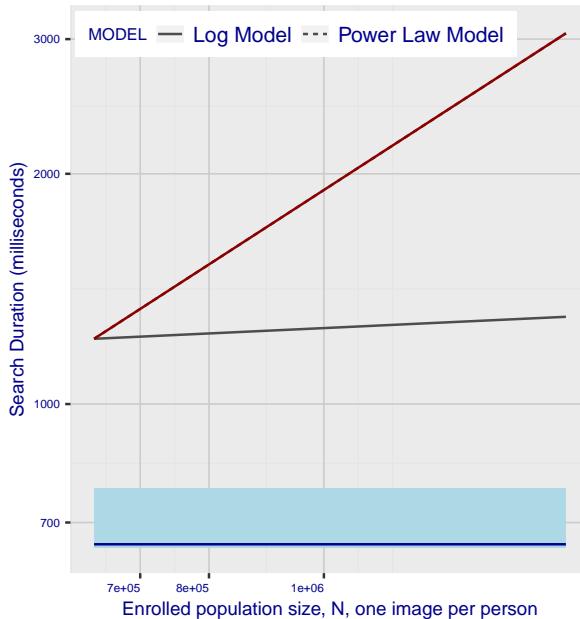
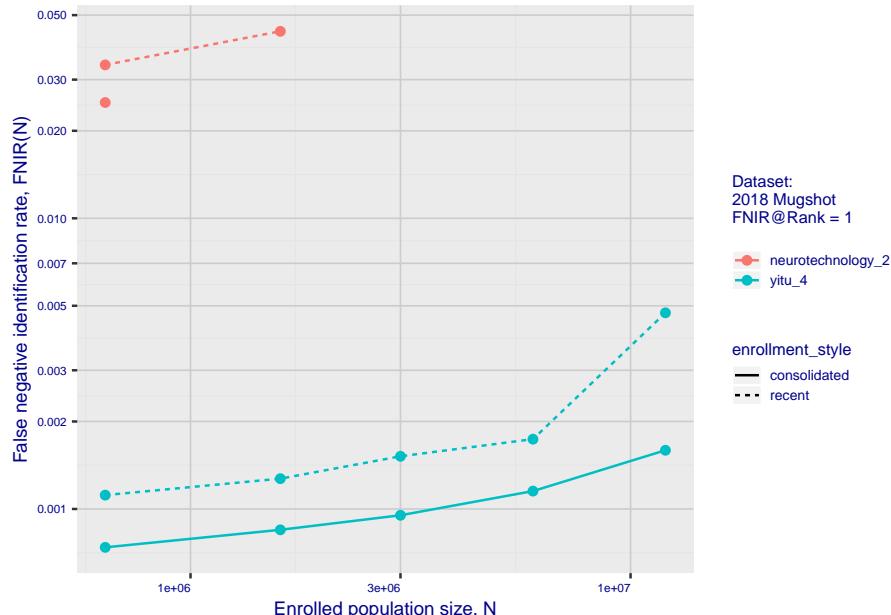


Fig 11: Datasheet

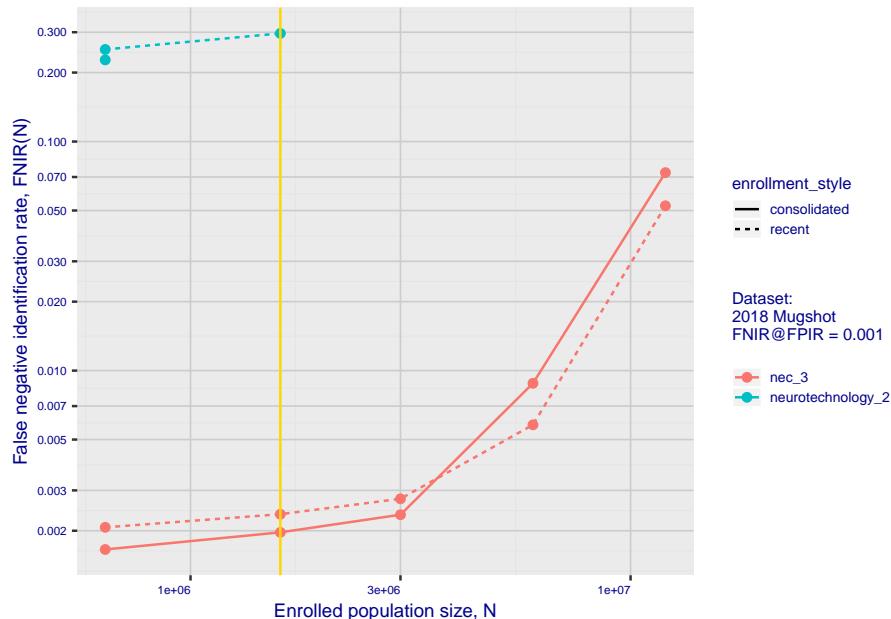
Algorithm:	neurotechnology_1
Developer:	Neurotechnology
Submission Date:	2018_02_16
Template size:	5214 bytes
Template time (2.5 percentile):	650 msec
Template time (median):	656 msec
Template time (97.5 percentile):	776 msec
Investigation rank 170 -- FNIR(160000, 0, 1) = 0.0441 vs. lowest 0.0010 from sensetime_003	
Identification rank 165 -- FNIR(160000, T, L+1) = 0.2961	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm neurotechnology\_2 2020-03-20 13:13:06

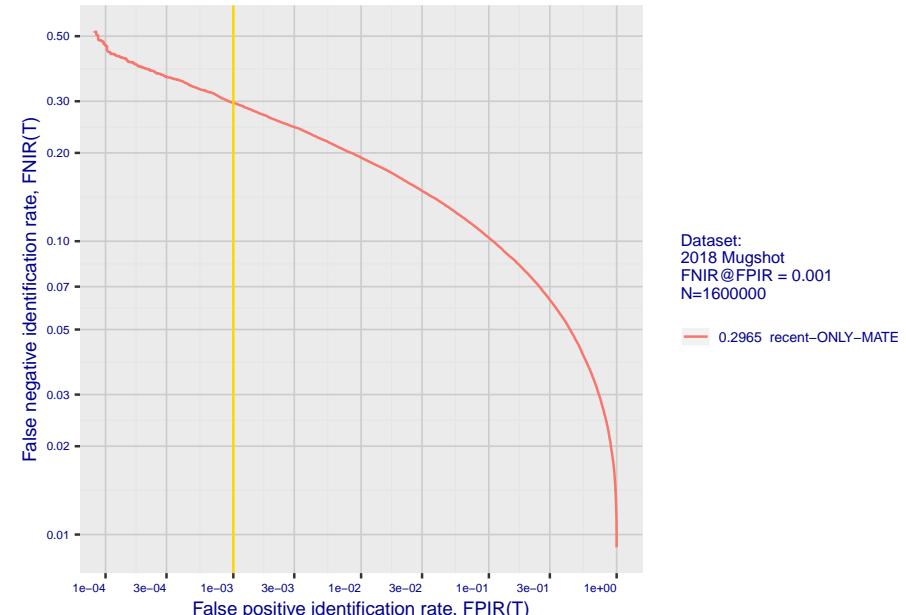
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



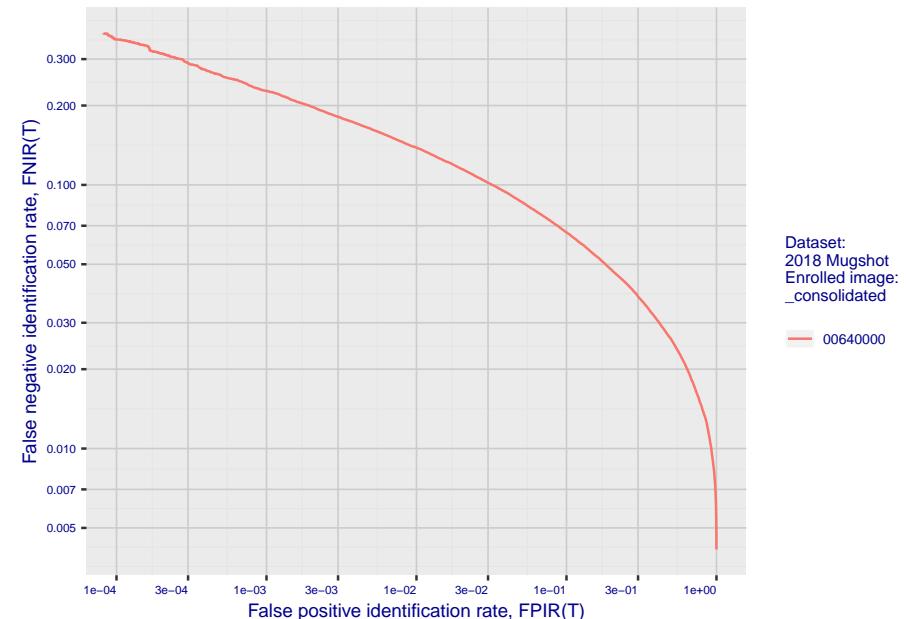
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

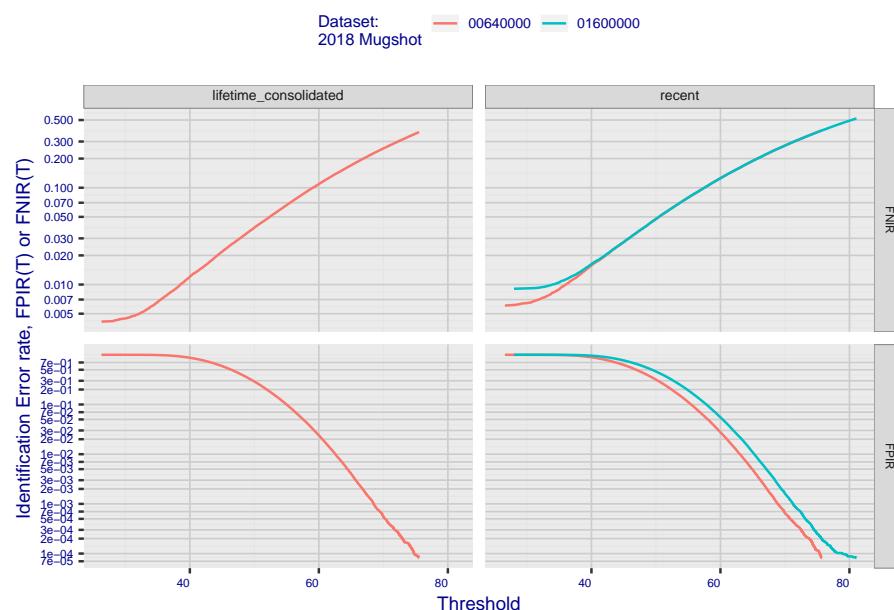


**Fig 4: DET for various N. Links connect points of equal threshold.**

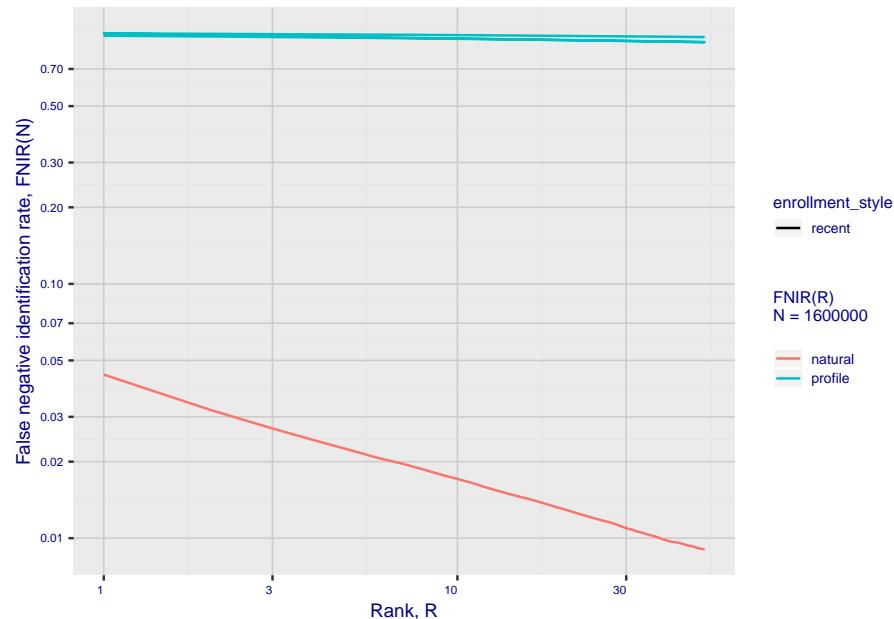


## 2. Report for algorithm neurotechnology\_2 2020-03-20 13:13:06

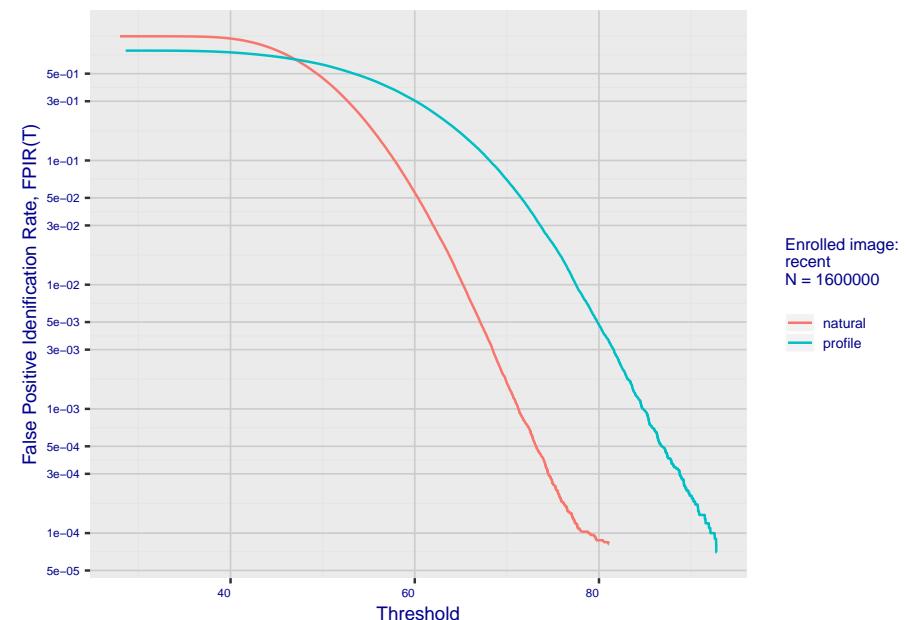
**Fig 5: Dependence on T by number enrolled identities**



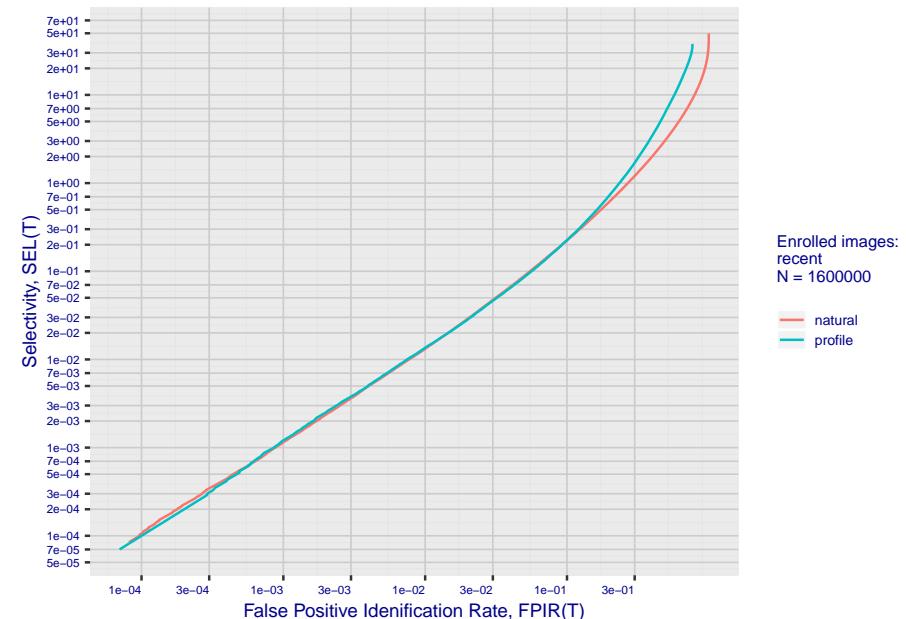
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm neurotechnology\_2 2020-03-20 13:13:06

Fig 10: Template duration; search duration vs. N

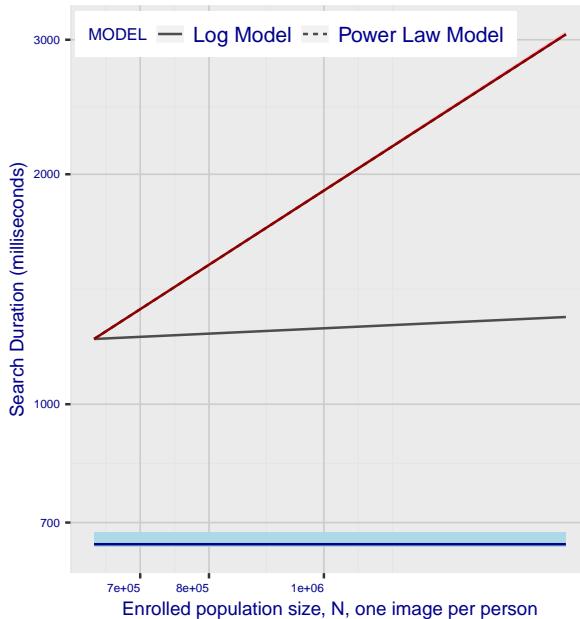
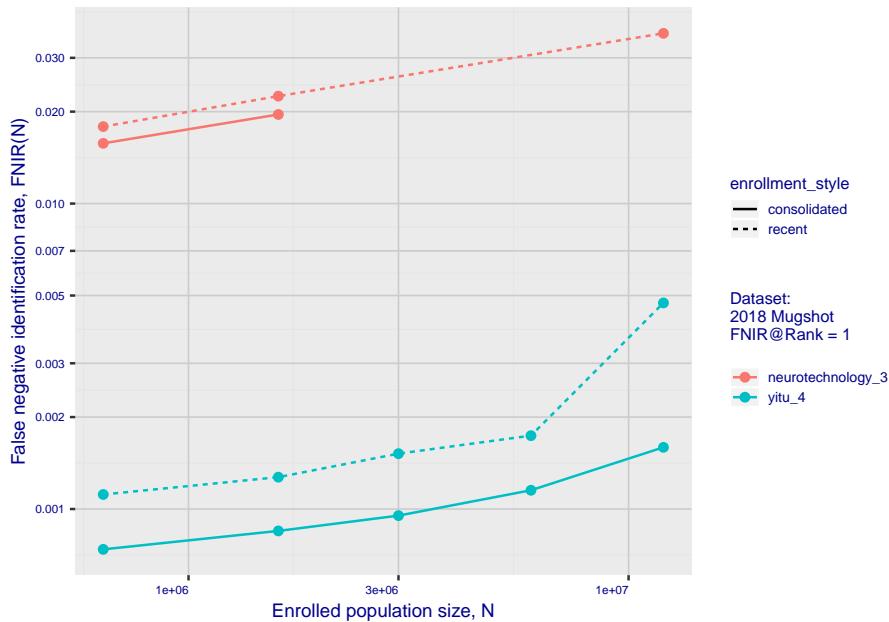


Fig 11: Datasheet

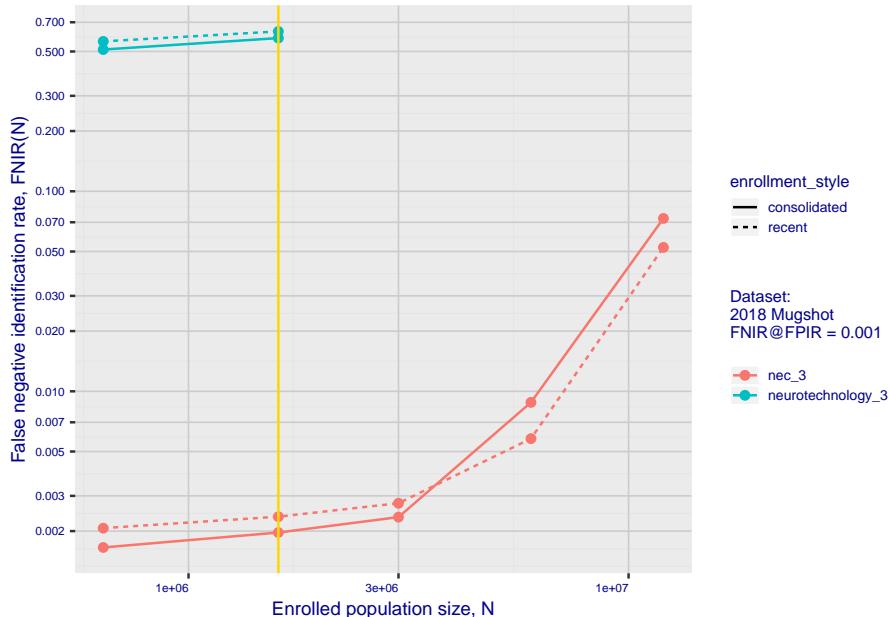
Algorithm: neurotechnology_2
Developer: Neurotechnology
Submission Date: 2018_02_16
Template size: 5214 bytes
Template time (2.5 percentile): 650 msec
Template time (median): 656 msec
Template time (97.5 percentile): 679 msec
Investigation rank 169 -- FNIR(160000, 0, 1) = 0.0440 vs. lowest 0.0010 from sensetime_003
Identification rank 166 -- FNIR(160000, T, L+1) = 0.2965
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm neurotechnology\_3 2020-03-20 13:18:36

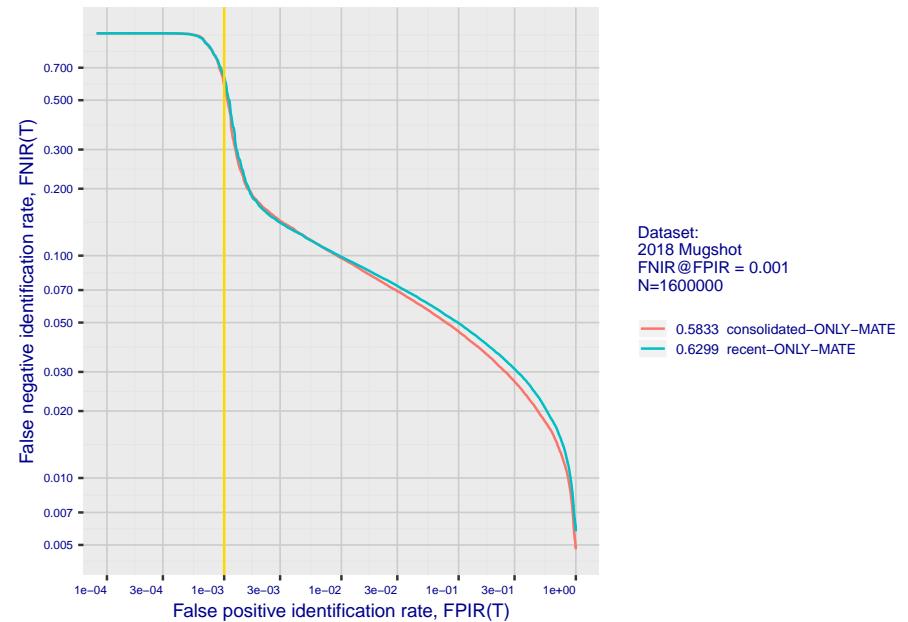
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



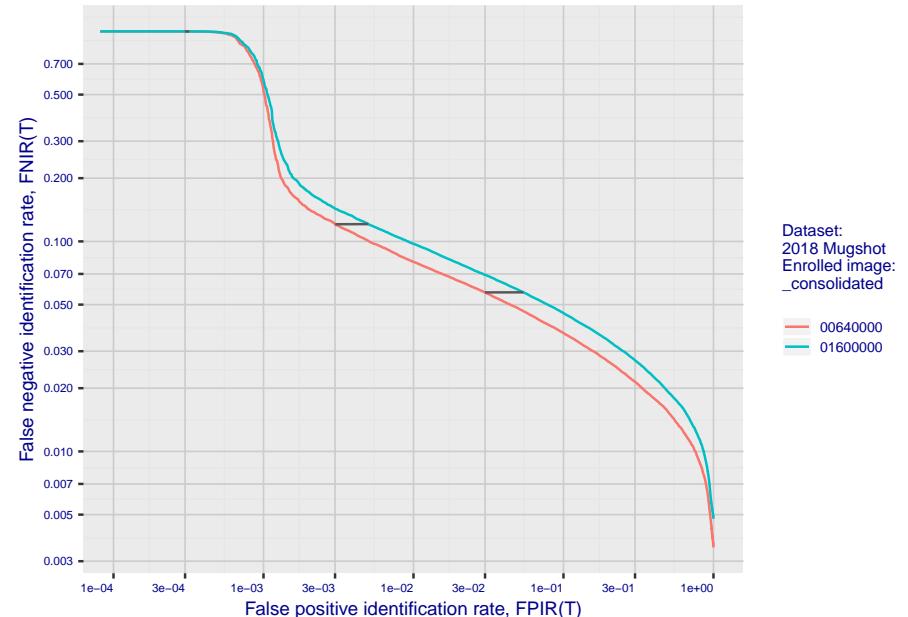
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

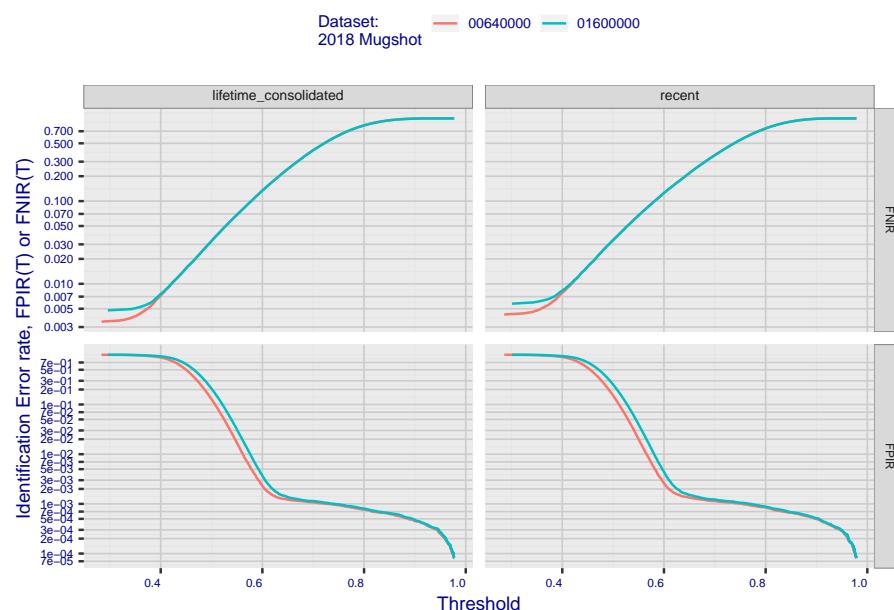


**Fig 4: DET for various N. Links connect points of equal threshold.**

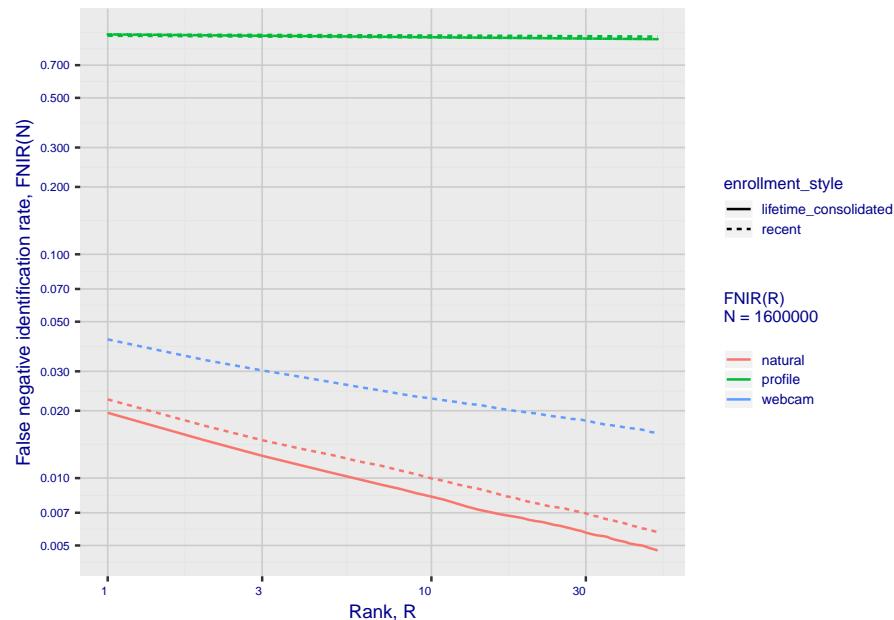


## 2. Report for algorithm neurotechnology\_3 2020-03-20 13:18:36

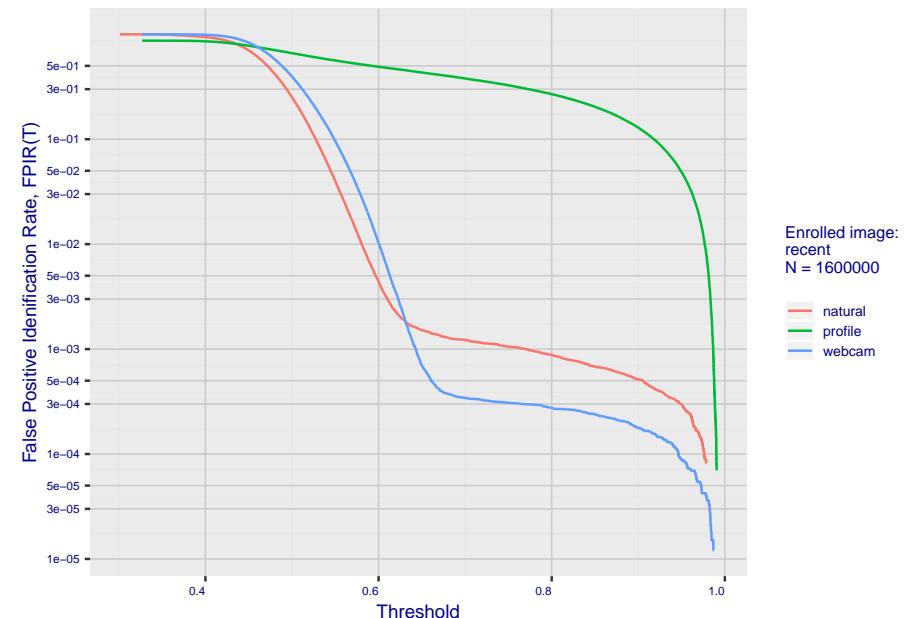
**Fig 5: Dependence on T by number enrolled identities**



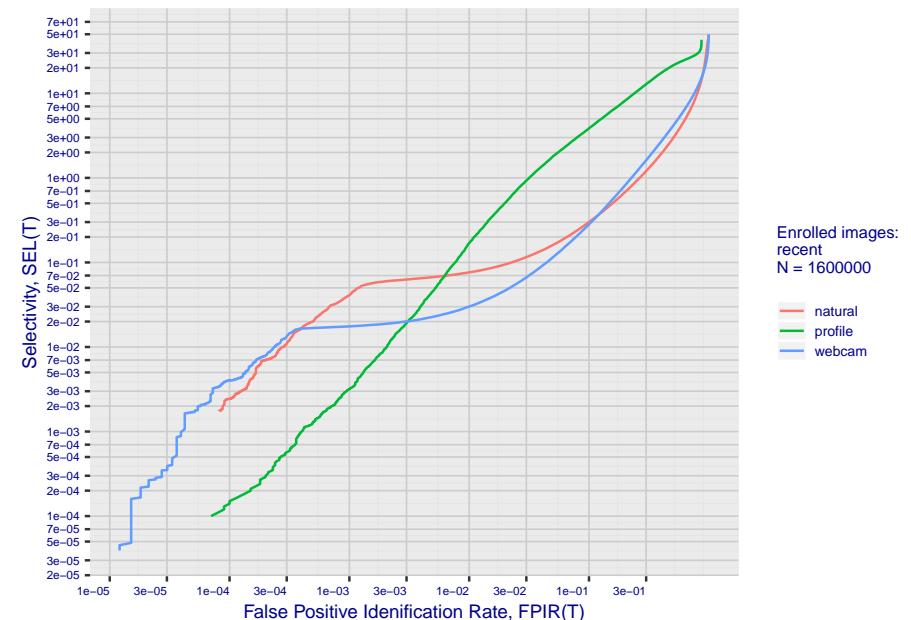
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

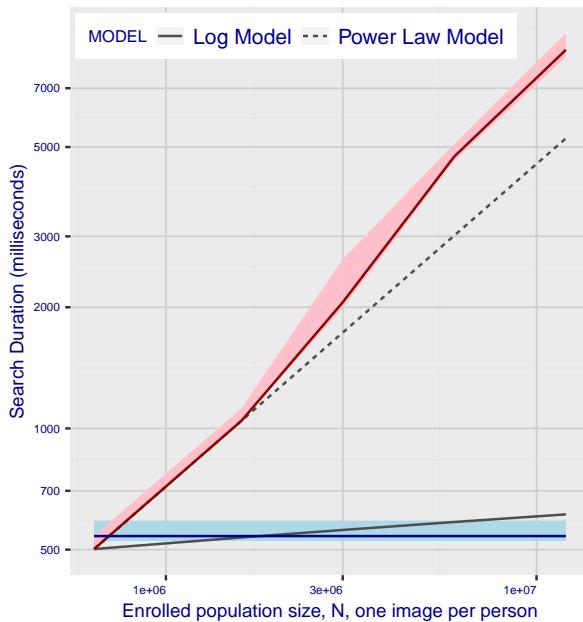


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm neurotechnology\_3 2020-03-20 13:18:36

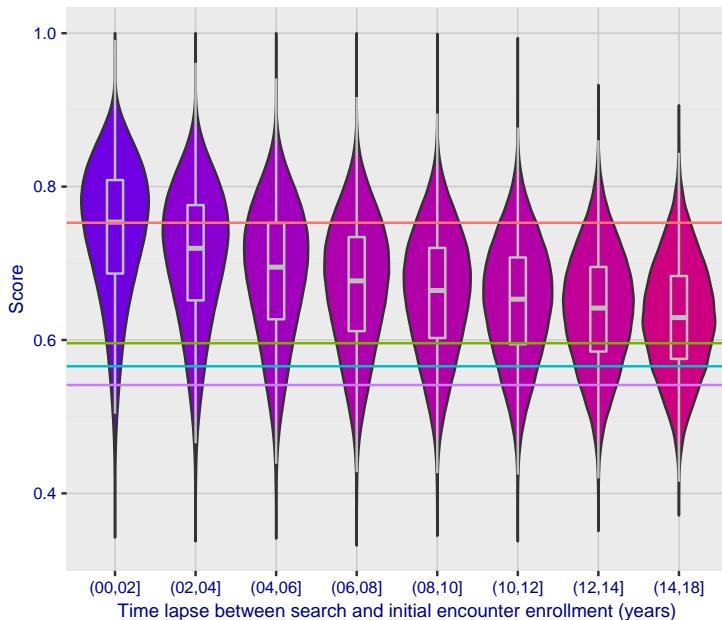
**Fig 10: Template duration; search duration vs. N**



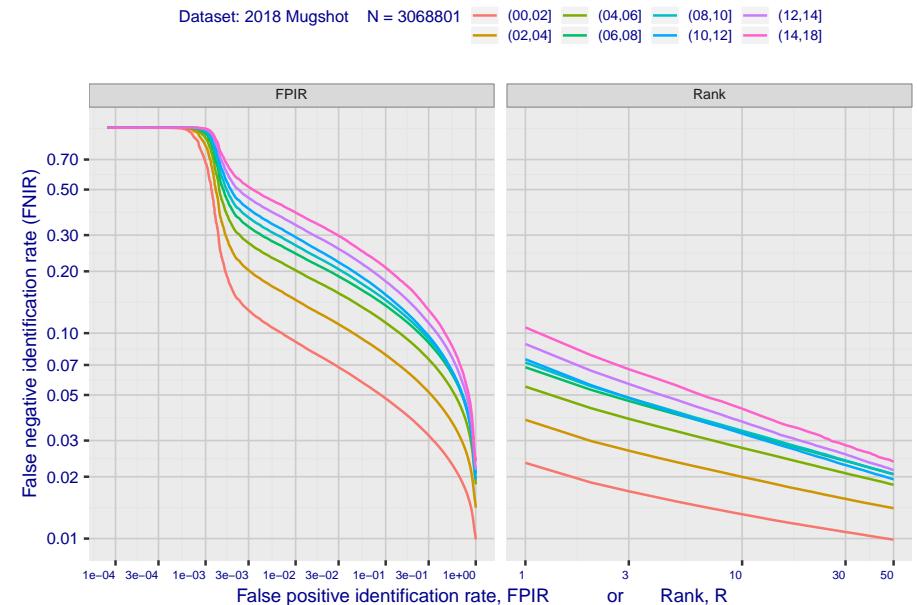
**Fig 11: Datasheet**

Algorithm: neurotechnology_3
Developer: Neurotechnology
Submission Date: 2018_06_27
Template size: 2048 bytes
Template time (2.5 percentile): 526 msec
Template time (median): 540 msec
Template time (97.5 percentile): 590 msec
Investigation rank 142 -- FNIR(1600000, 0, 1) = 0.0225 vs. lowest 0.0010 from sensetime_003
Identification rank 203 -- FNIR(1600000, T, L+1) = 0.6299
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

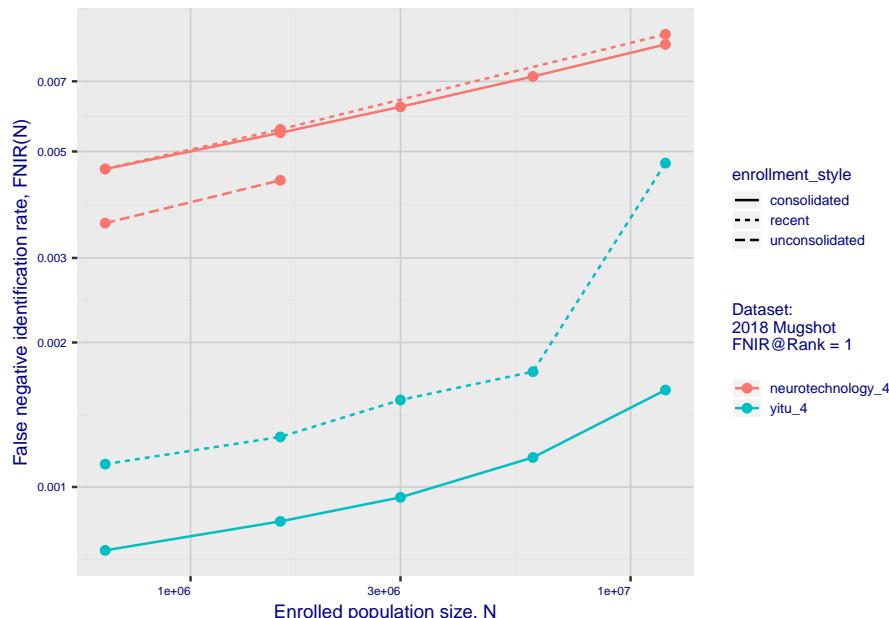


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

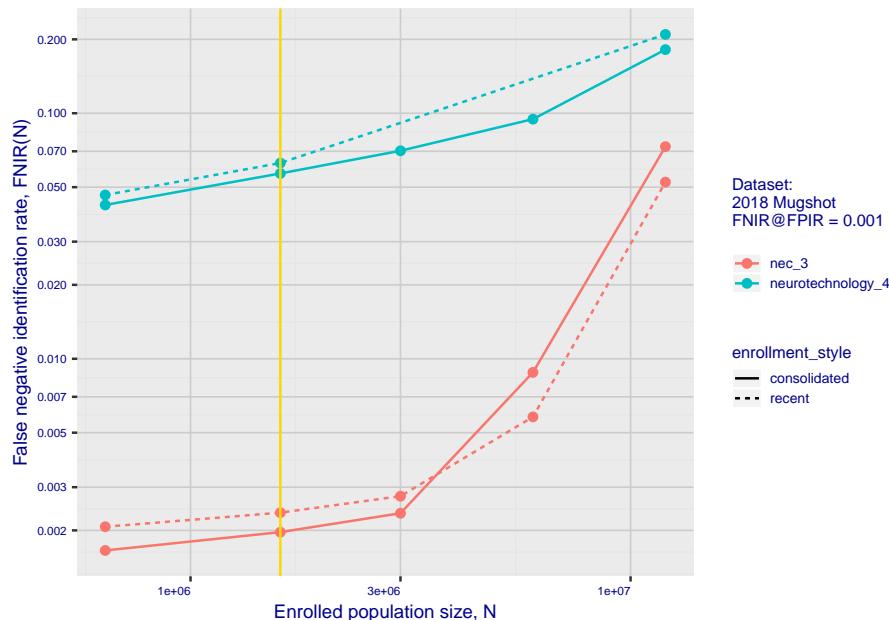


# 1. Report for algorithm neurotechnology\_4 2020-03-20 13:18:41

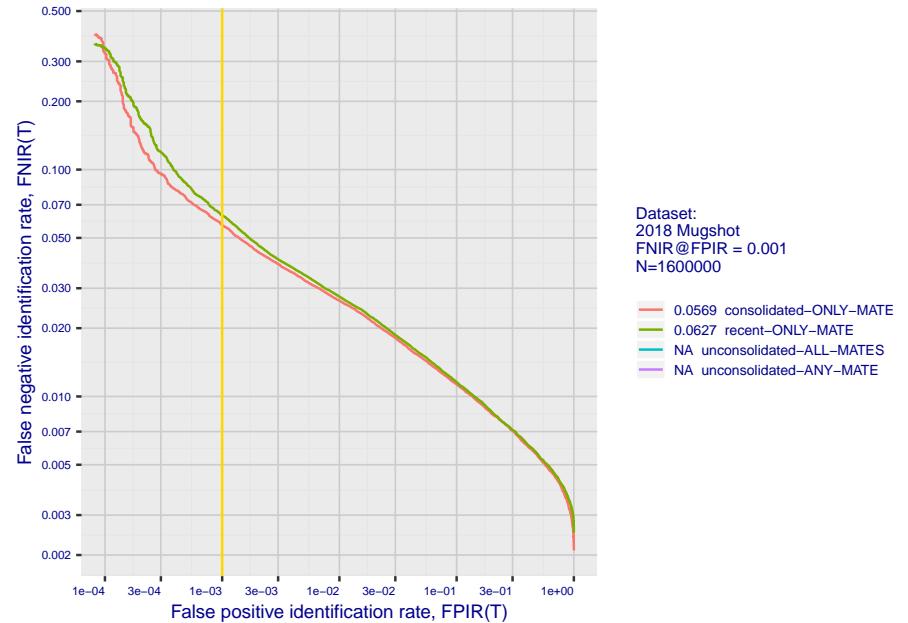
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



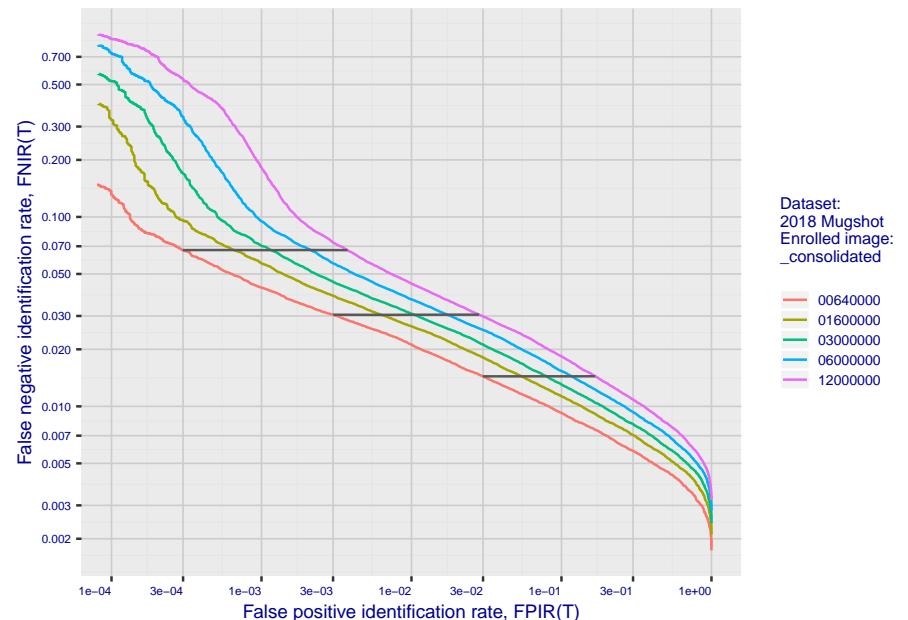
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

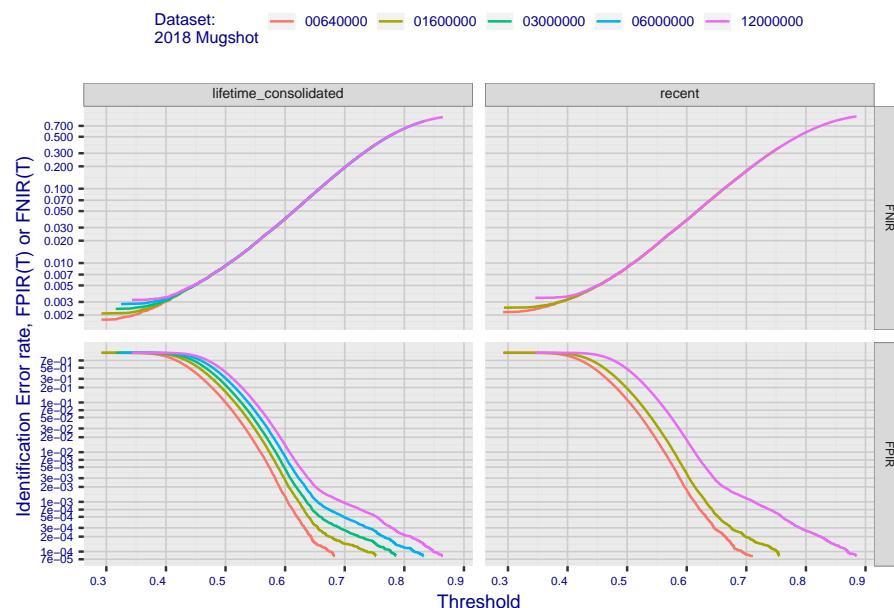


**Fig 4: DET for various  $N$ . Links connect points of equal threshold.**

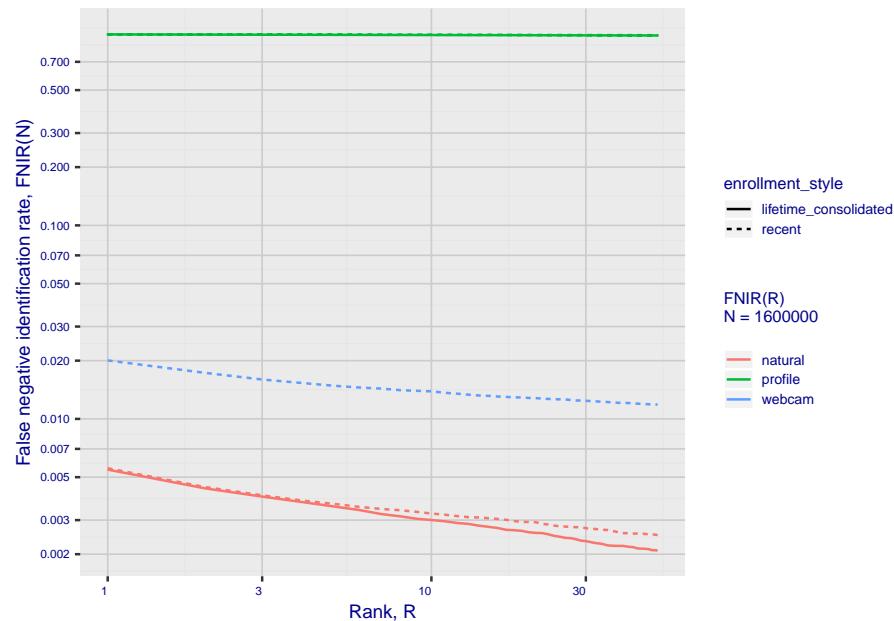


## 2. Report for algorithm neurotechnology\_4 2020-03-20 13:18:41

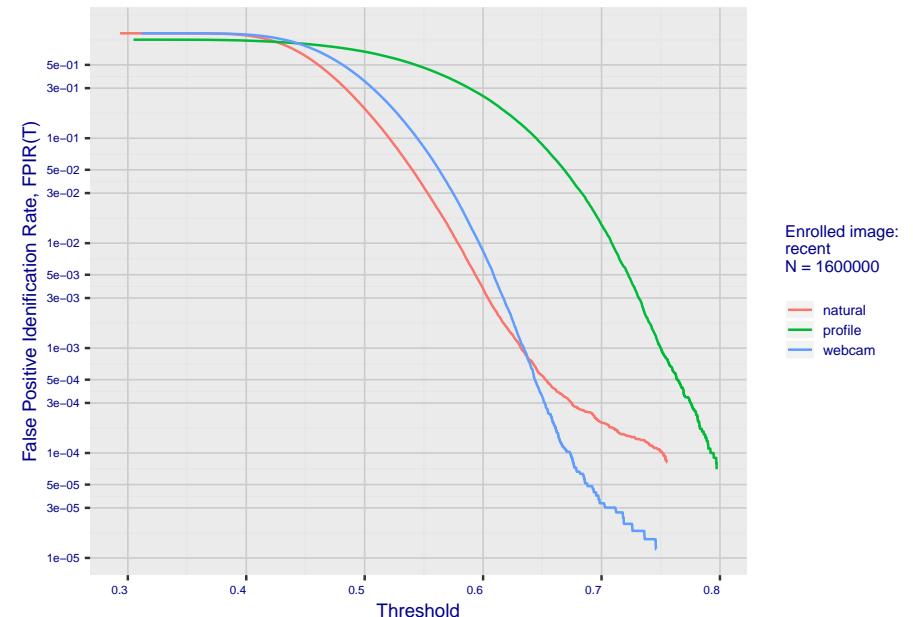
**Fig 5: Dependence on T by number enrolled identities**



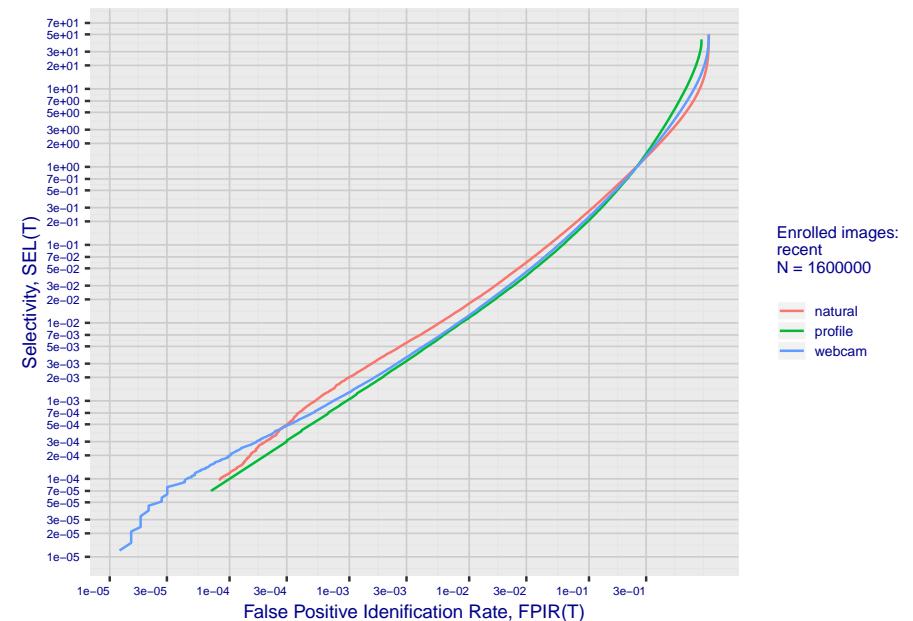
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

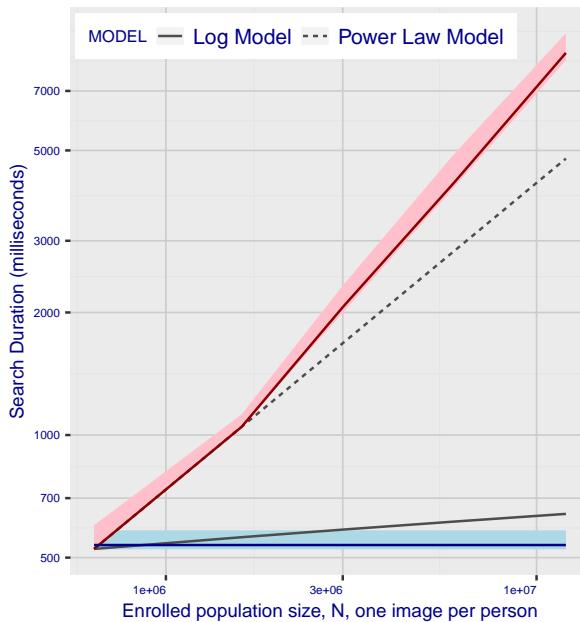


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm neurotechnology\_4 2020-03-20 13:18:41

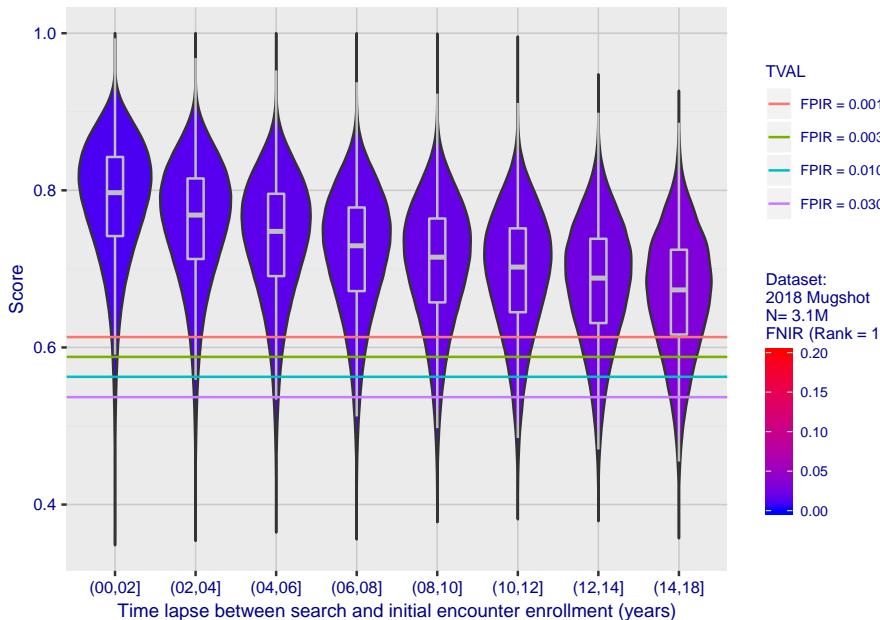
**Fig 10: Template duration; search duration vs. N**



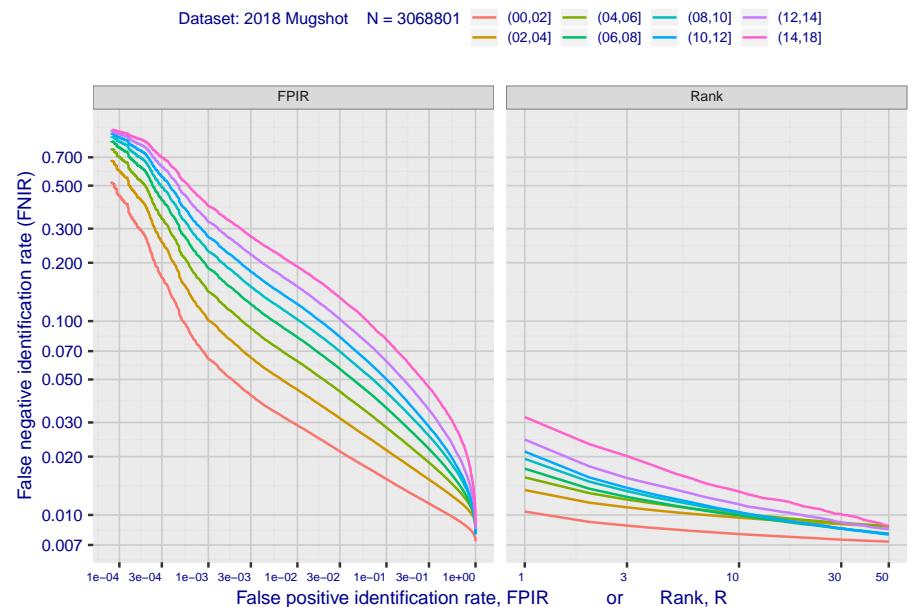
**Fig 11: Datasheet**

Algorithm:	neurotechnology_4
Developer:	Neurotechnology
Submission Date:	2018_06_27
Template size:	2048 bytes
Template time (2.5 percentile):	524 msec
Template time (median):	537 msec
Template time (97.5 percentile):	584 msec
Investigation rank 62 --- FNIR(1600000, 0, 1) =	0.0056 vs. lowest 0.0010 from sensetime_003
Identification rank 79 --- FNIR(1600000, T, L+1) =	0.0627
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

**Fig 12: Decline of genuine scores with ageing**

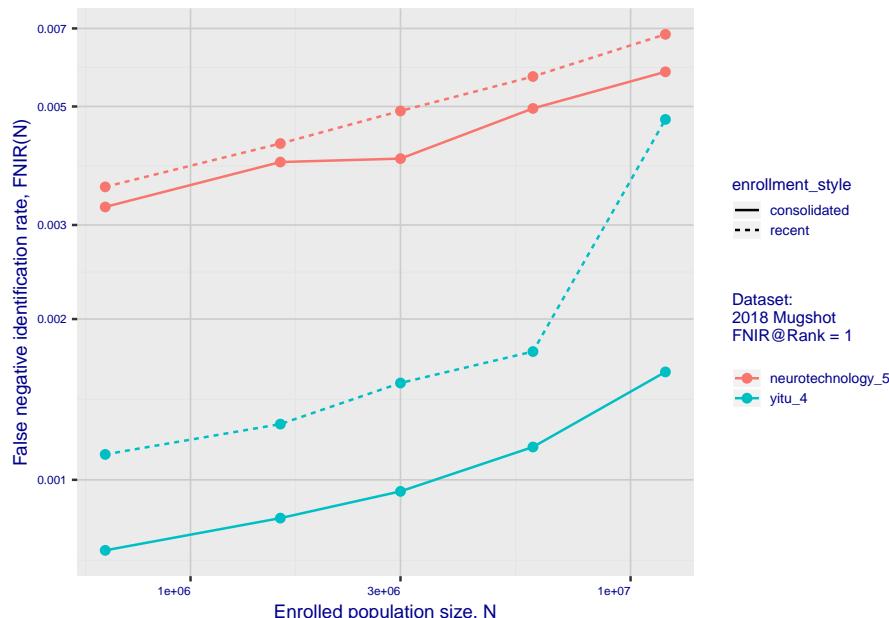


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

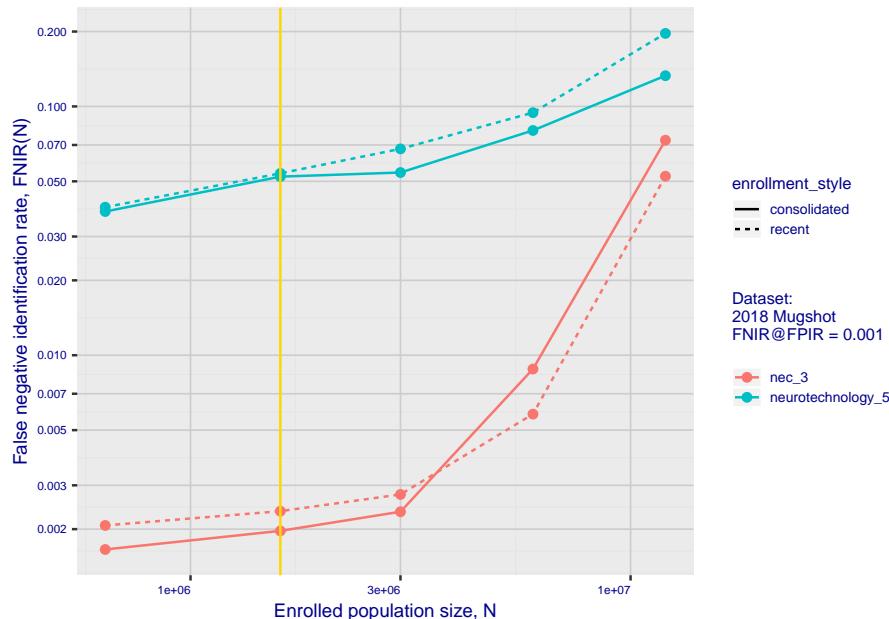


# 1. Report for algorithm neurotechnology\_5 2020-03-20 13:21:49

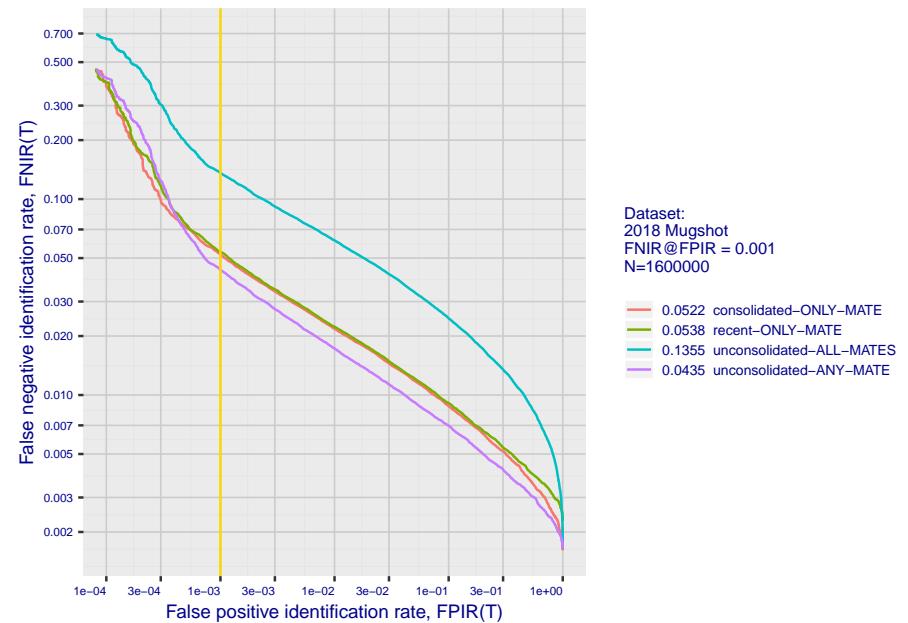
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



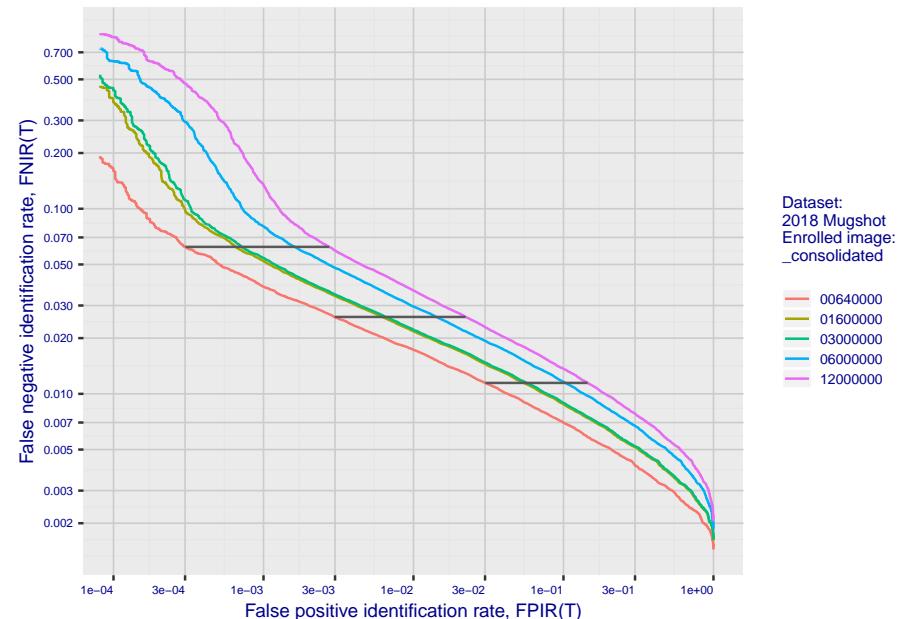
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

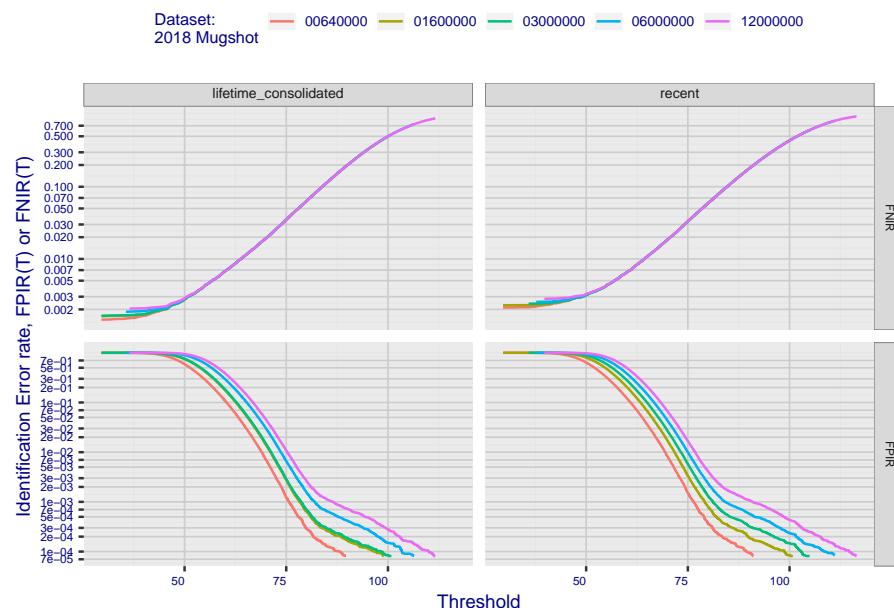


**Fig 4: DET for various N. Links connect points of equal threshold.**

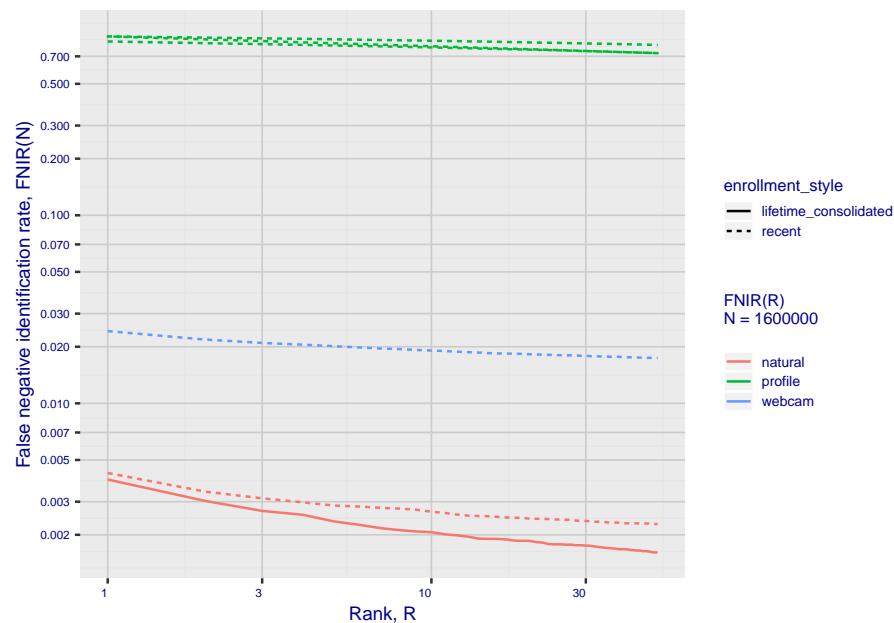


## 2. Report for algorithm neurotechnology\_5 2020-03-20 13:21:49

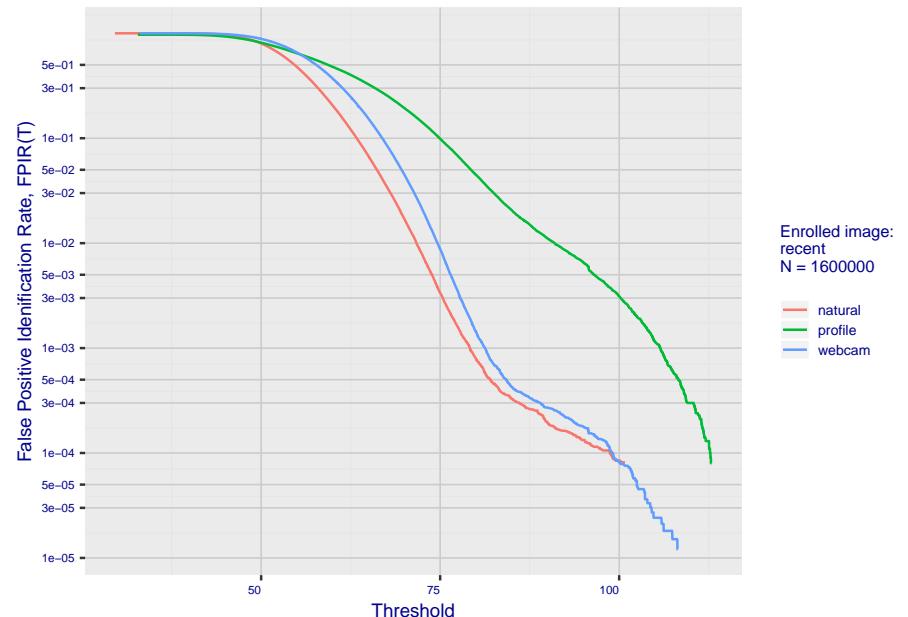
**Fig 5: Dependence on T by number enrolled identities**



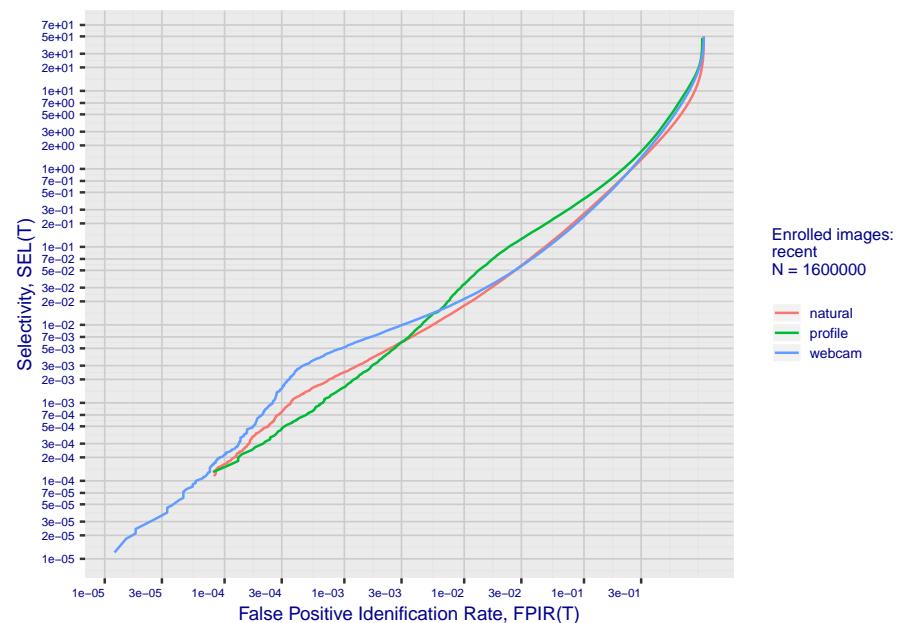
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

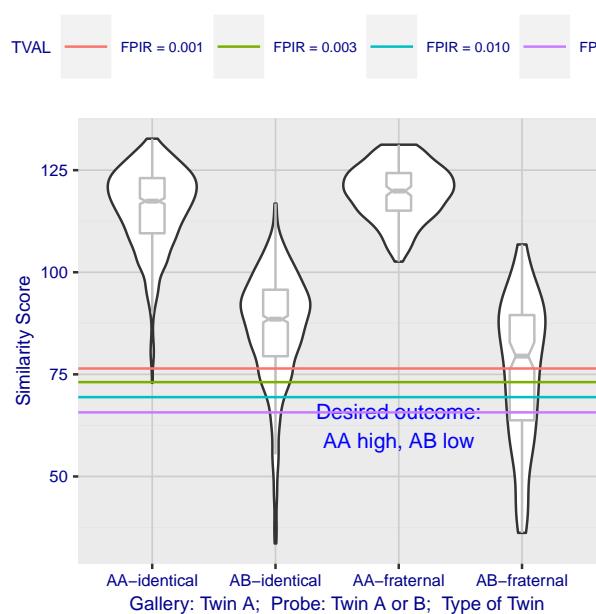


**Fig 8: FPIR vs. Selectivity**

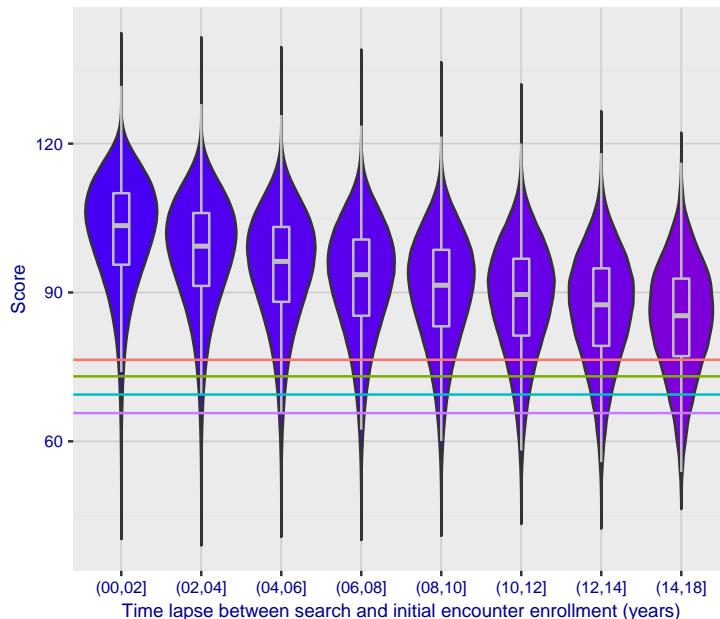


### 3. Report for algorithm neurotechnology\_5 2020-03-20 13:21:49

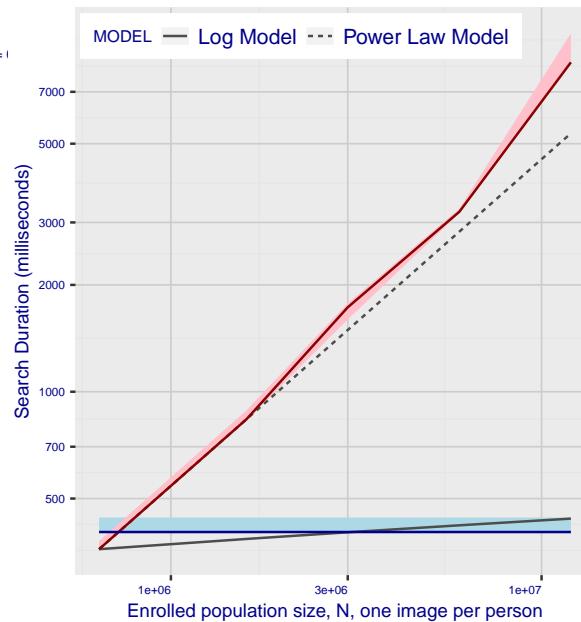
**Fig 9: Solo-Twin and Twin-Twin similarity scores**



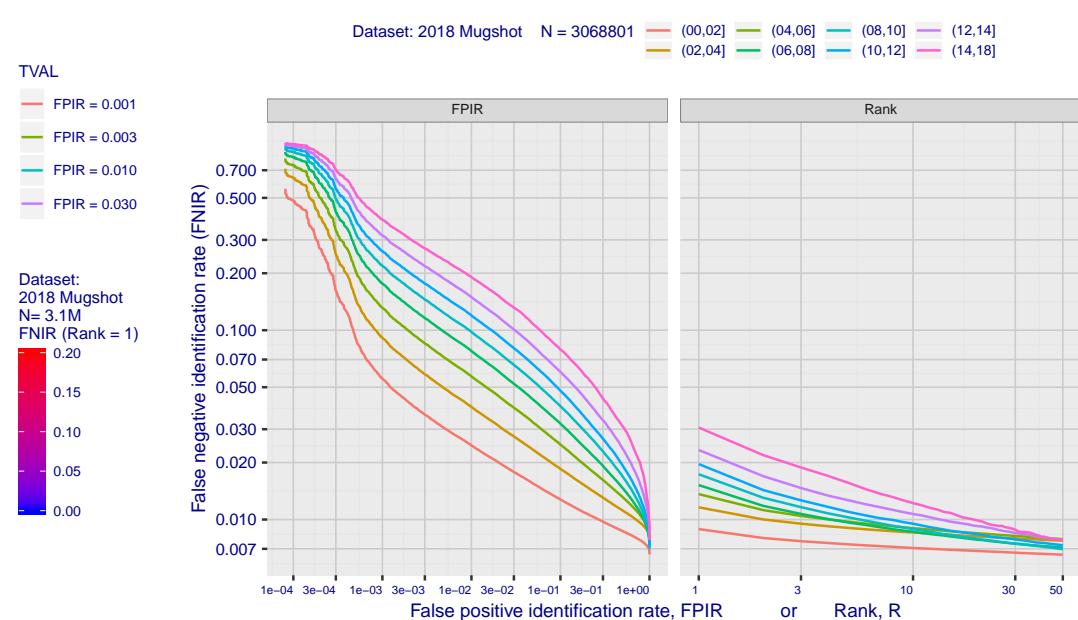
**Fig 12: Decline of genuine scores with ageing**



**Fig 10: Template duration; search duration vs. N**



**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

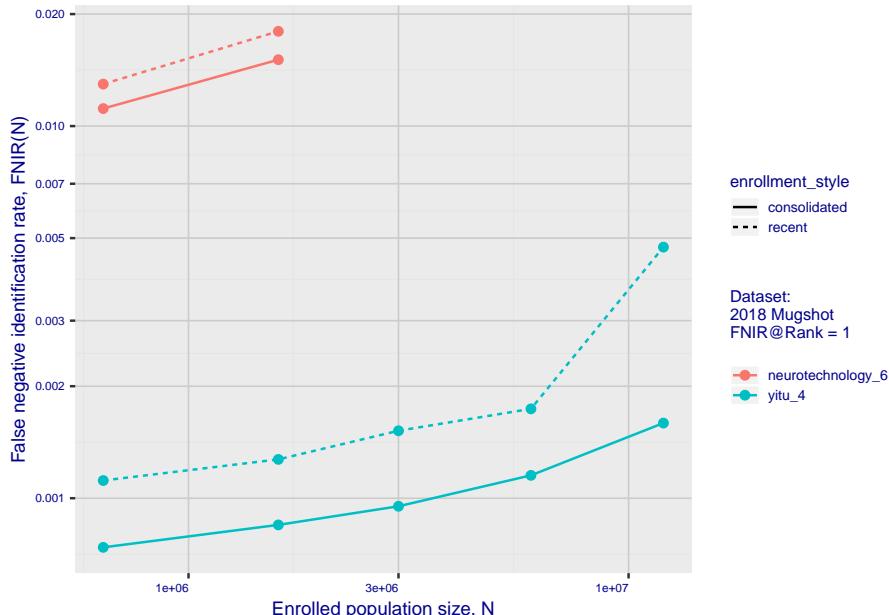


**Fig 11: Datasheet**

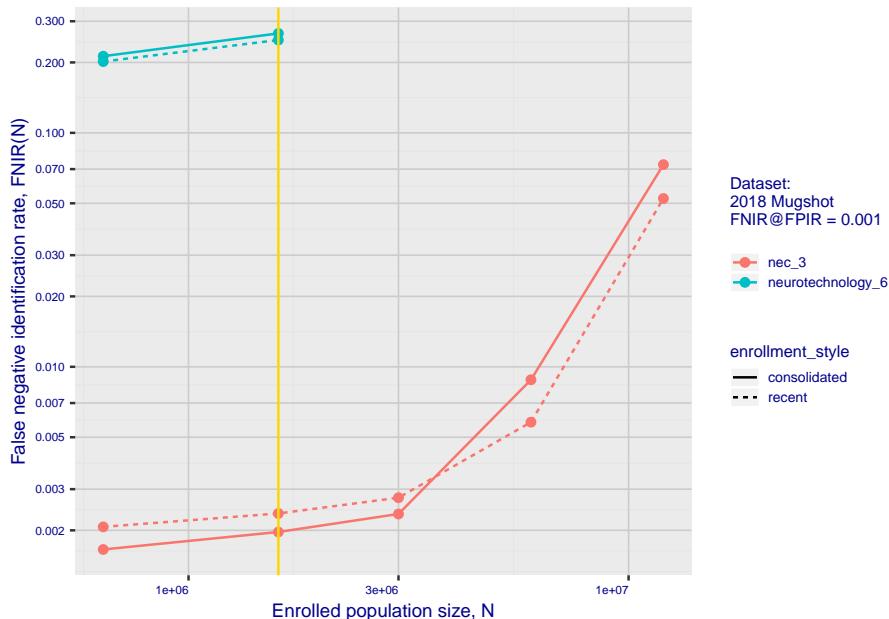
Algorithm:	neurotechnology_5
Developer:	Neurotechnology
Submission Date:	2018_10_30
Template size:	256 bytes
Template time (2.5 percentile):	402 msec
Template time (median):	402 msec
Template time (97.5 percentile):	442 msec
Investigation rank 48 -- FNIR(1600000, 0, 1) = 0.0043 vs. lowest 0.0010 from sensetime_003	
Identification rank 69 -- FNIR(1600000, T, L+1) = 0.0538	
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm neurotechnology\_6 2020-03-20 13:20:11

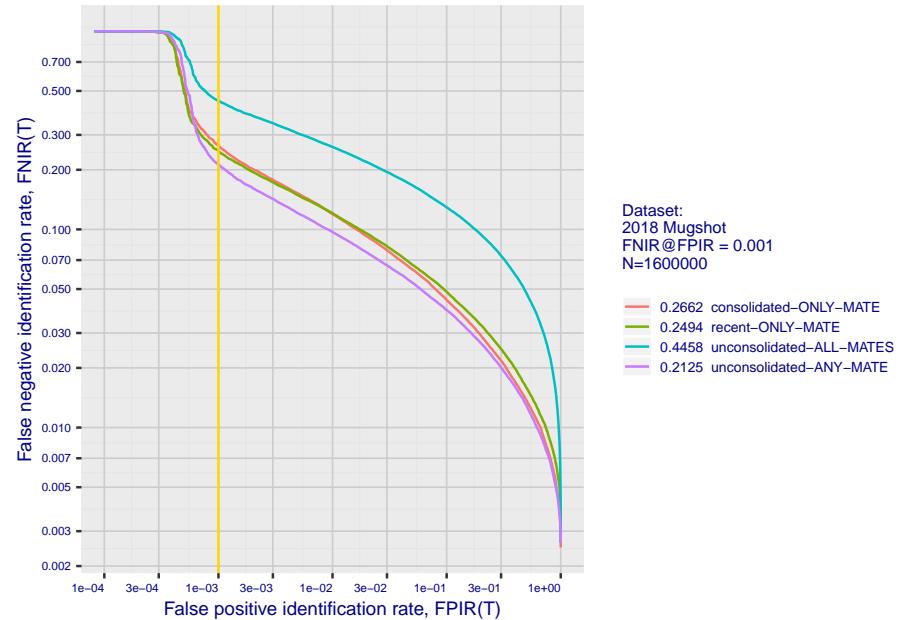
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



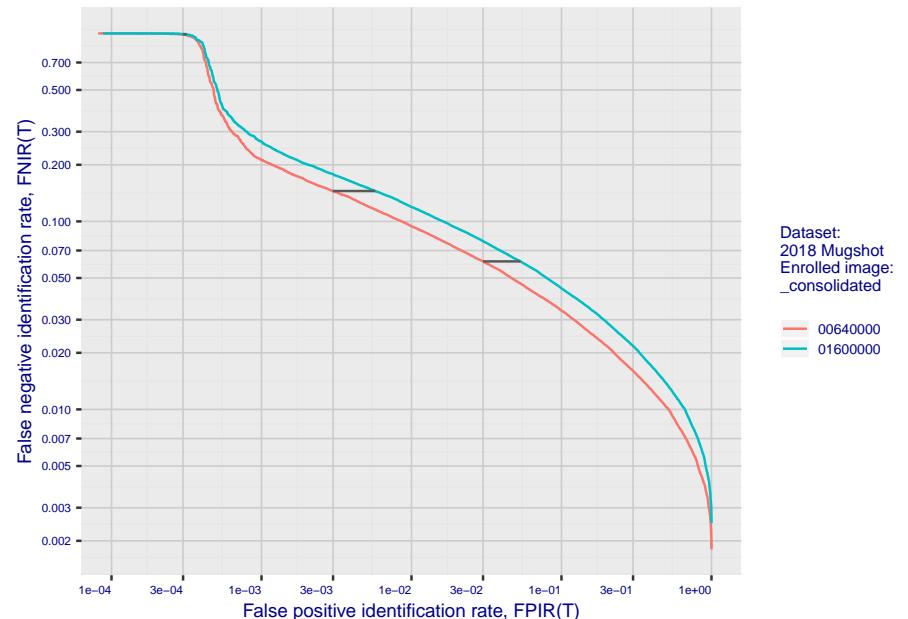
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

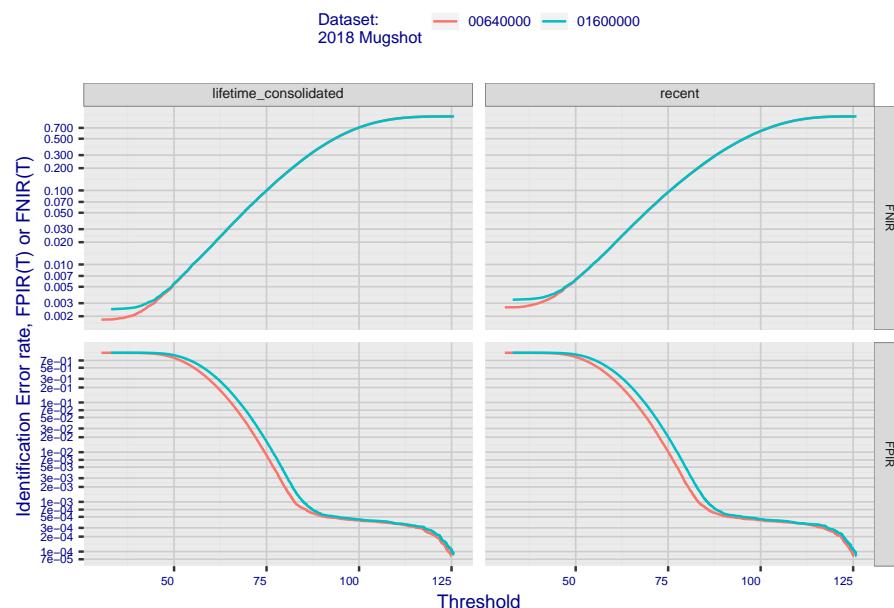


**Fig 4: DET for various N. Links connect points of equal threshold.**

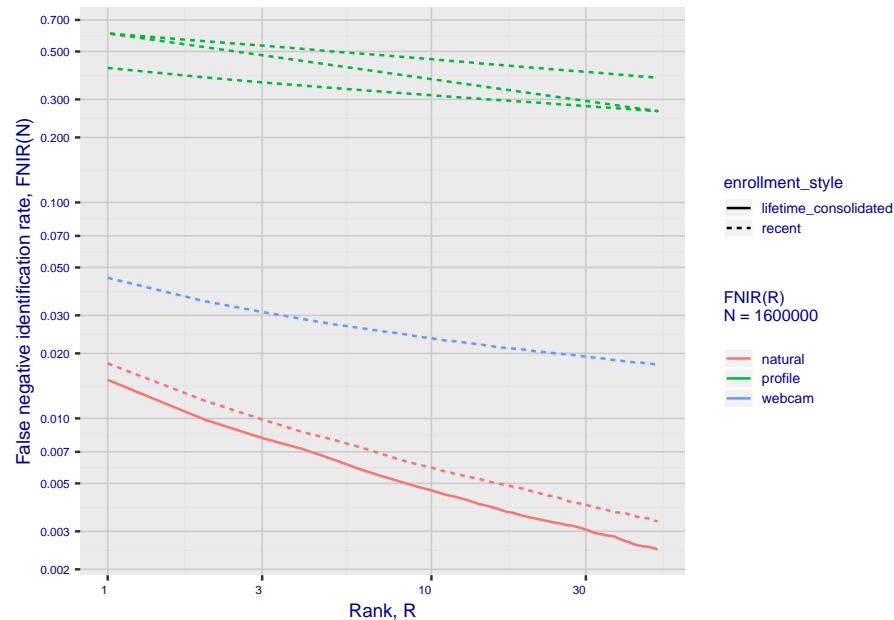


## 2. Report for algorithm neurotechnology\_6 2020-03-20 13:20:11

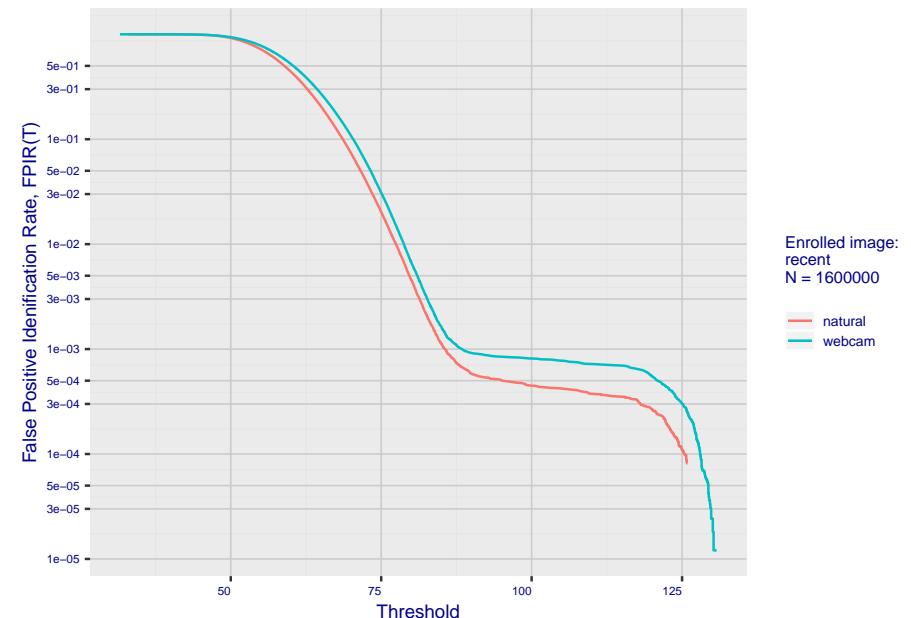
**Fig 5: Dependence on T by number enrolled identities**



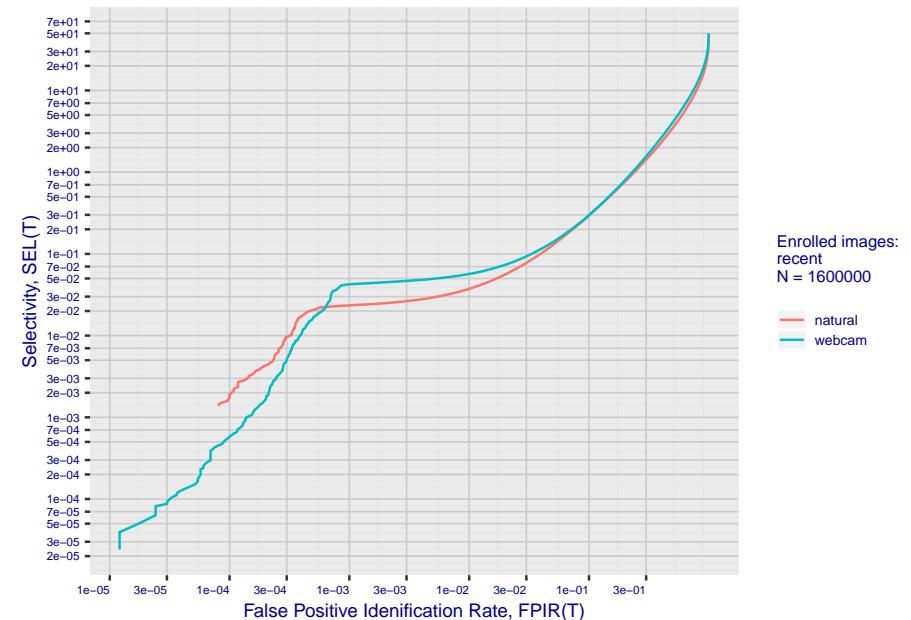
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

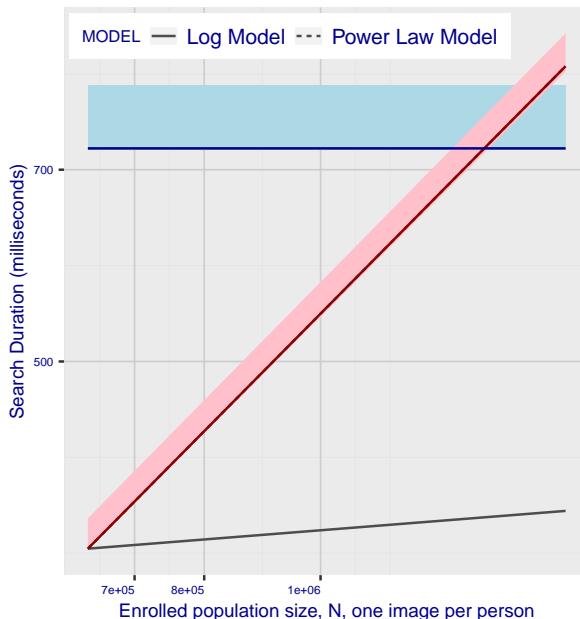


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm neurotechnology\_6 2020-03-20 13:20:11**

**Fig 10: Template duration; search duration vs. N**

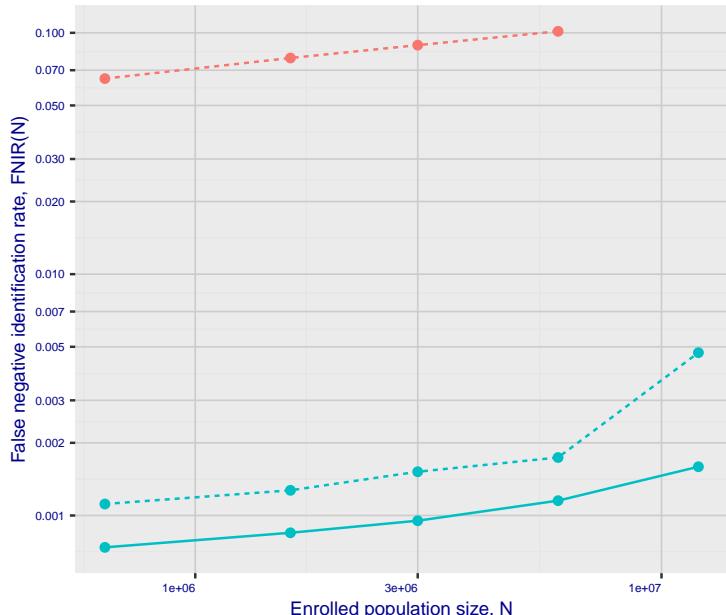


**Fig 11: Datasheet**

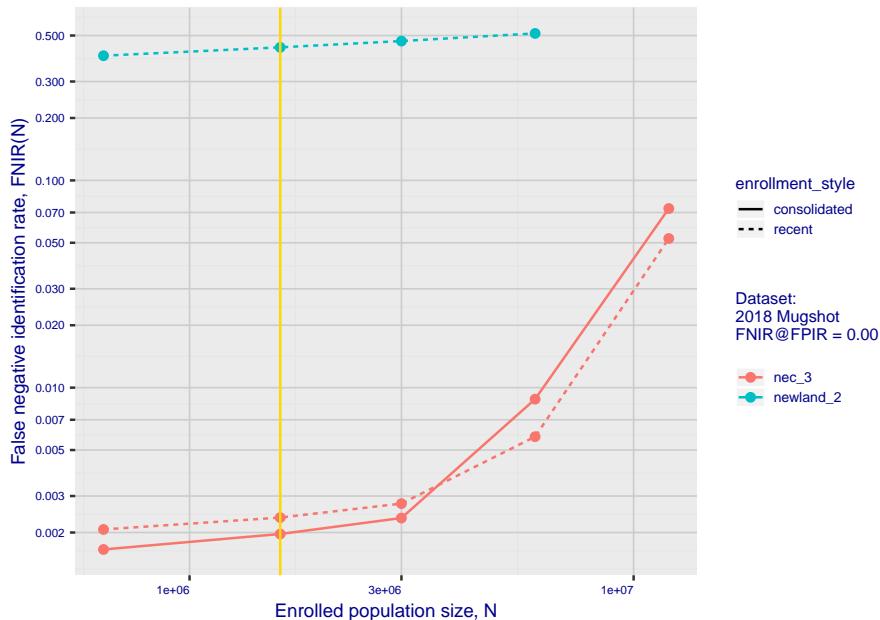
Algorithm:	neurotechnology_6
Developer:	Neurotechnology
Submission Date:	2018_10_30
Template size:	256 bytes
Template time (2.5 percentile):	726 msec
Template time (median):	727 msec
Template time (97.5 percentile):	812 msec
Investigation rank 131 -- FNIR(1600000, 0, 1) = 0.0180 vs. lowest 0.0010 from sensetime_003	
Identification rank 155 -- FNIR(1600000, T, L+1) = 0.2494	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

## 1. Report for algorithm newland\_2 2020-03-20 13:16:38

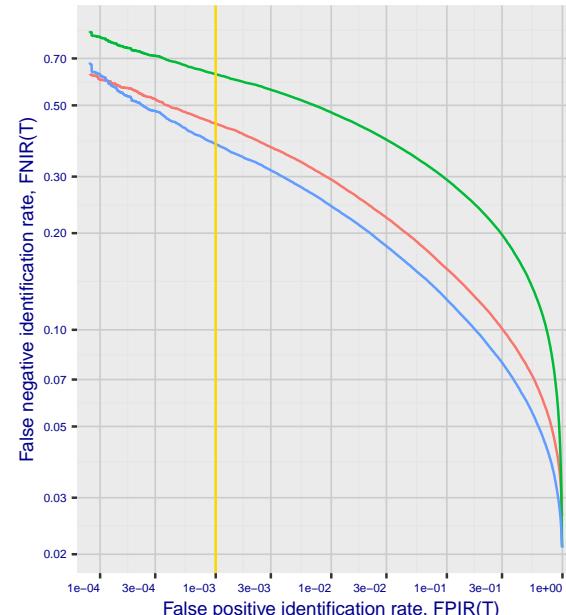
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



Dataset:  
2018 Mugshot  
FNIR @Rank = 1

enrollment\_style

- consolidated
- - - recent

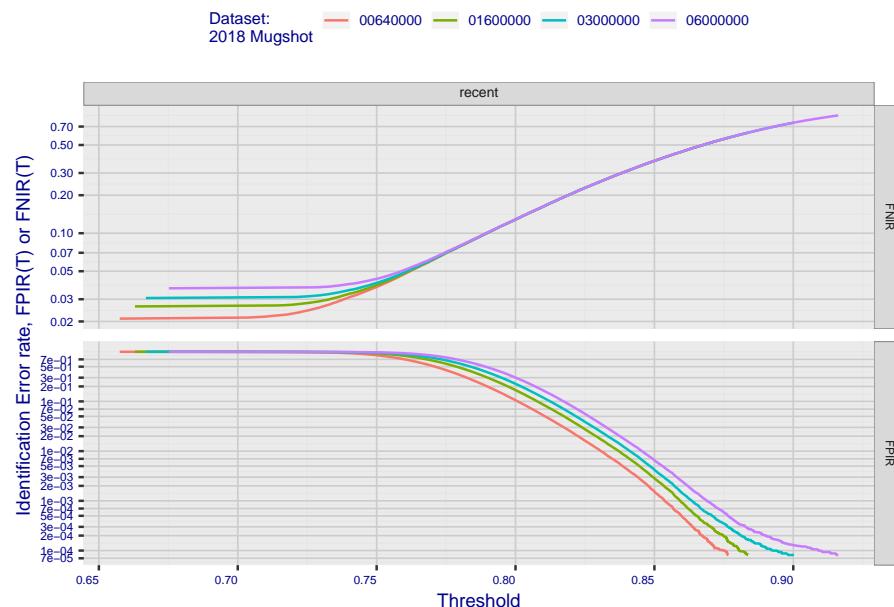
Dataset:  
2018 Mugshot  
FNIR @FPIR = 0.001  
N=1600000

enrollment\_style

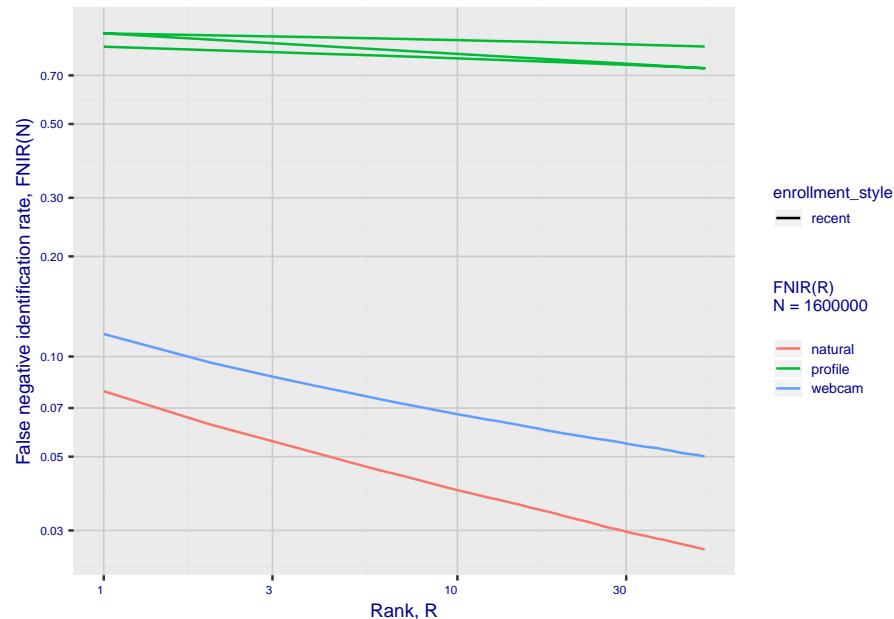
- 0.4385 recent-ONLY-MATE
- 0.6252 unconsolidated-ALL-MATES
- 0.3790 unconsolidated-ANY-MATE

## 2. Report for algorithm newland\_2 2020-03-20 13:16:38

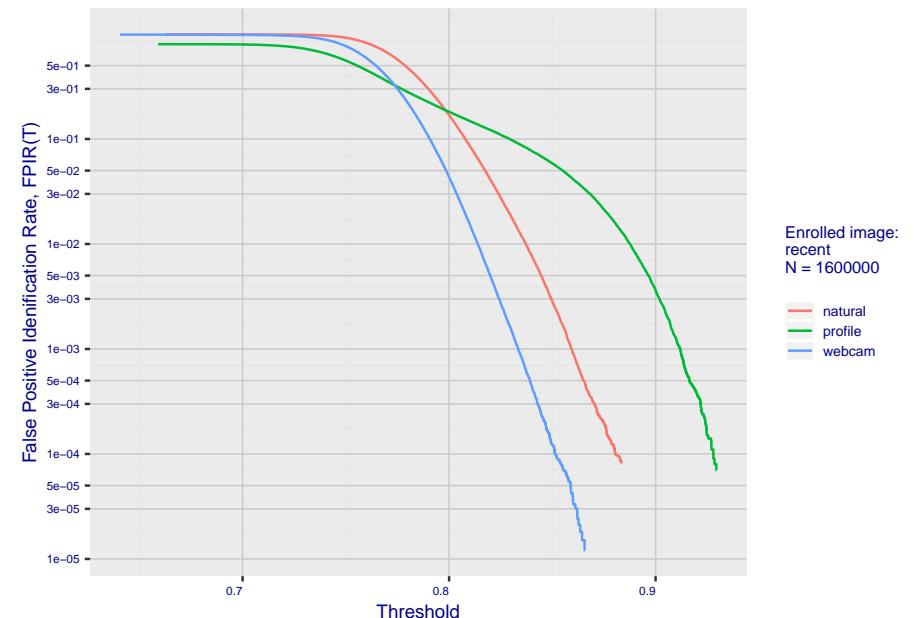
**Fig 5: Dependence on T by number enrolled identities**



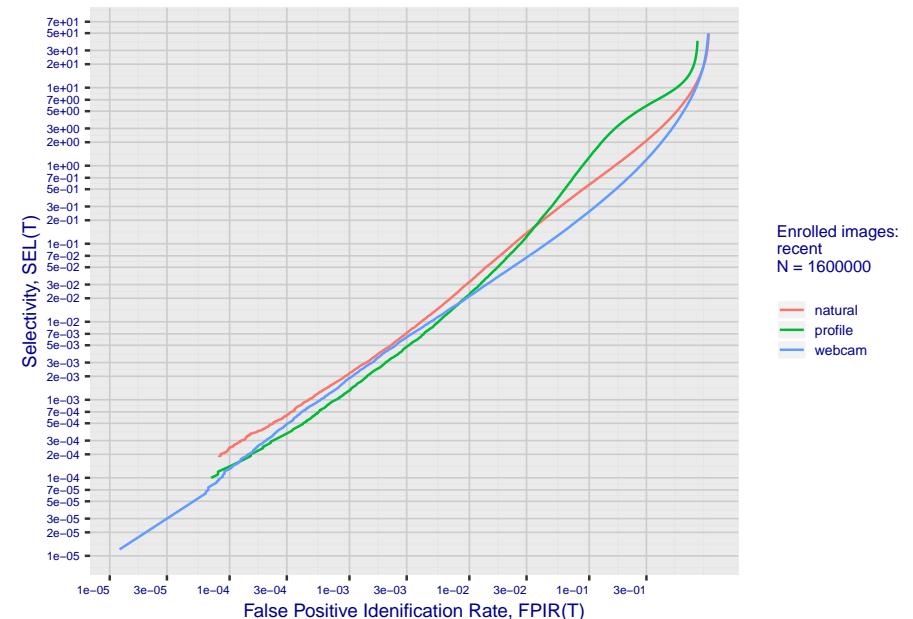
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm newland\_2 2020-03-20 13:16:38

Fig 10: Template duration; search duration vs. N

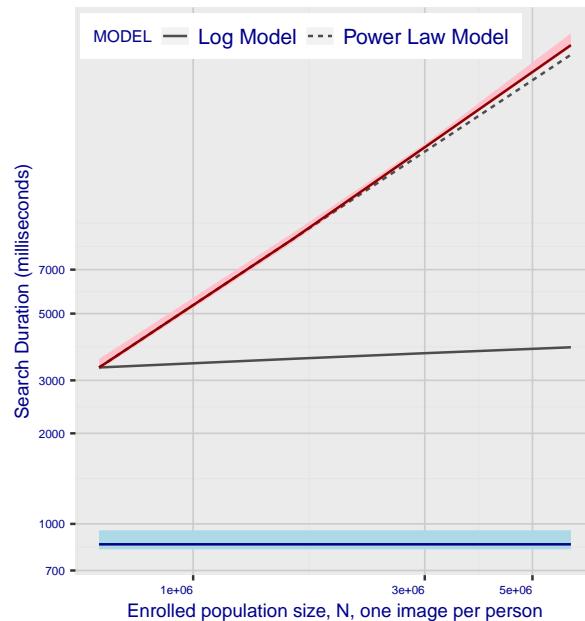
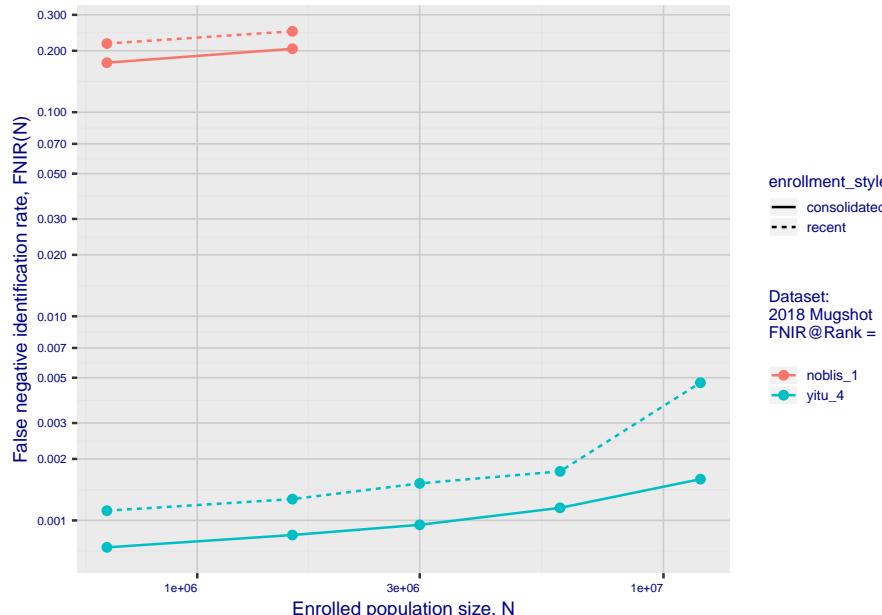


Fig 11: Datasheet

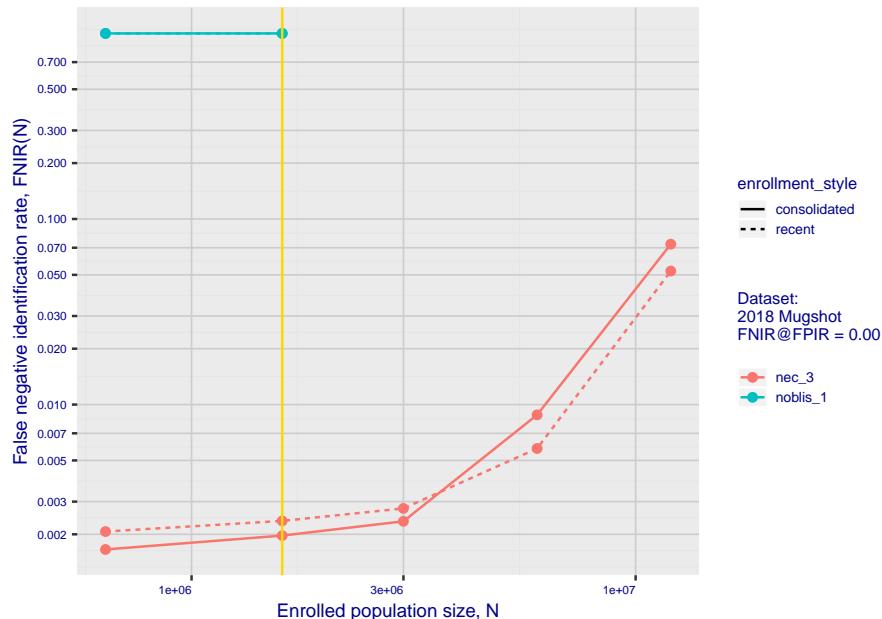
Algorithm:	newland_2
Developer:	Newland Computer Co Ltd
Submission Date:	2018_10_30
Template size:	2048 bytes
Template time (2.5 percentile):	823 msec
Template time (median):	855 msec
Template time (97.5 percentile):	952 msec
Investigation rank 185 -- FNIR(1600000, 0, 1) = 0.0786 vs. lowest 0.0010 from sensetime_003	
Identification rank 184 -- FNIR(1600000, T, L+1) = 0.4385	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm noblis\_1 2020-03-20 13:18:23

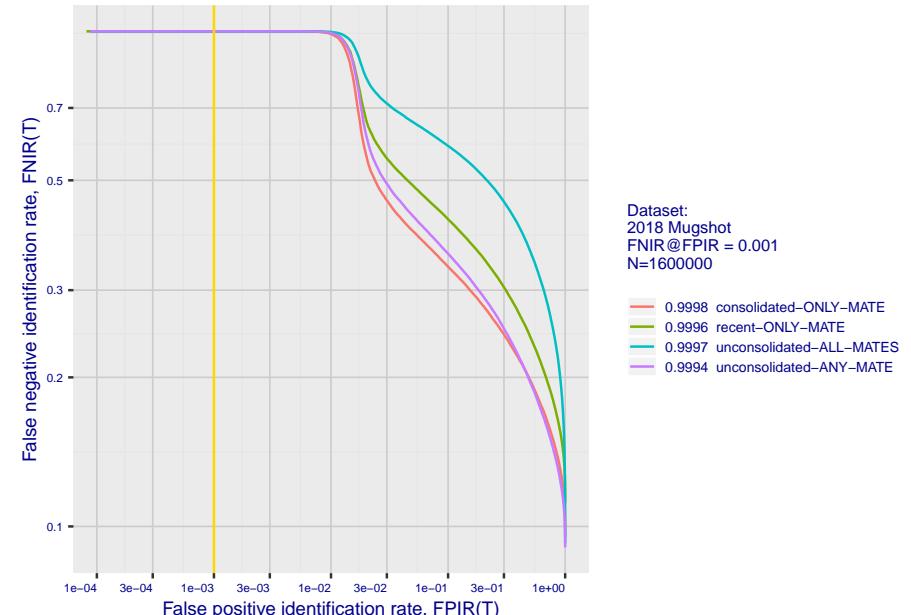
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



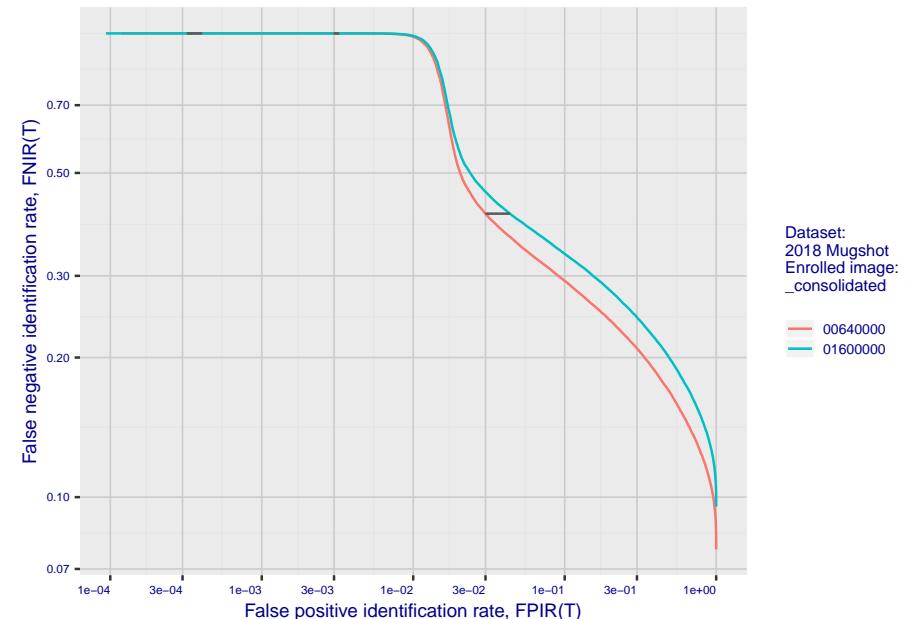
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

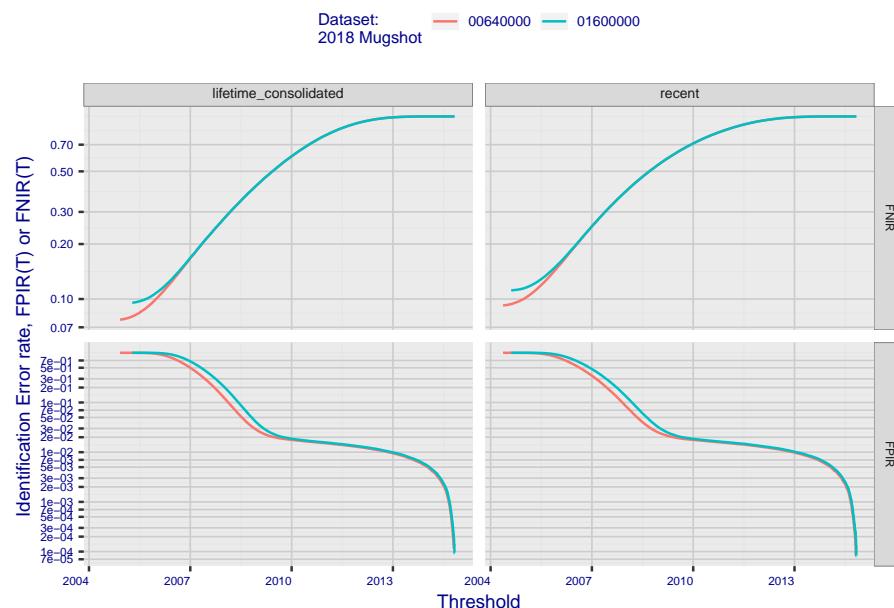


**Fig 4: DET for various N. Links connect points of equal threshold.**

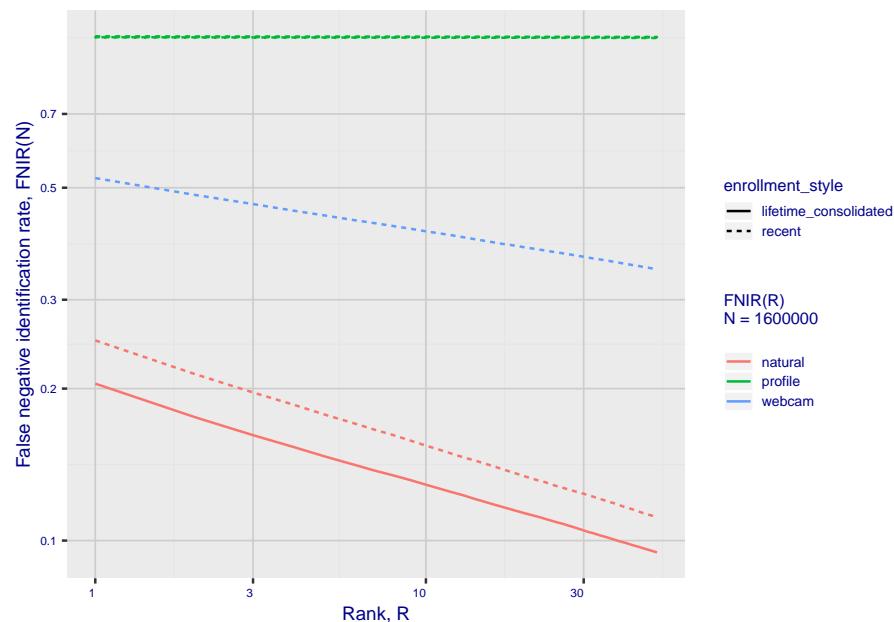


## 2. Report for algorithm noblis\_1 2020-03-20 13:18:23

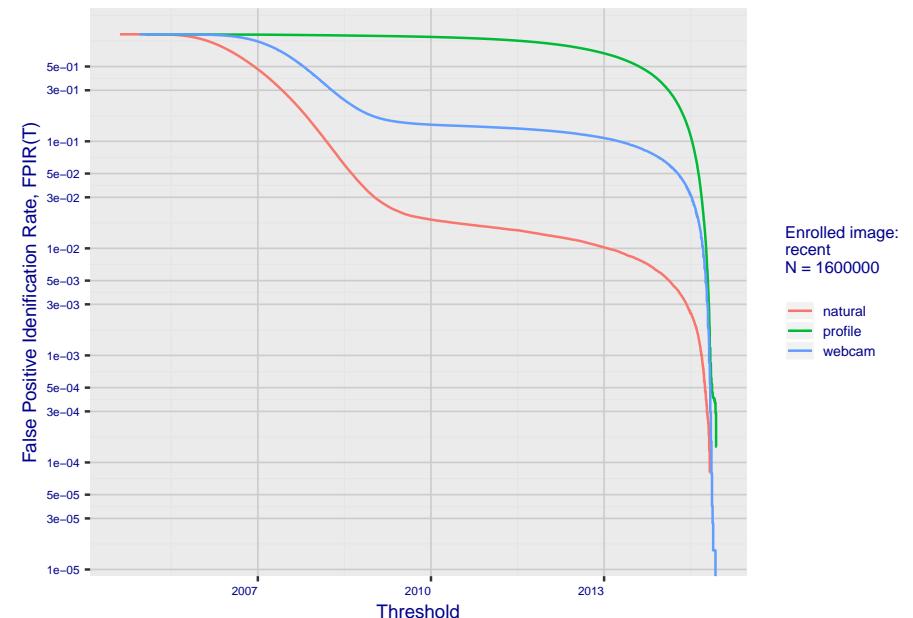
**Fig 5: Dependence on T by number enrolled identities**



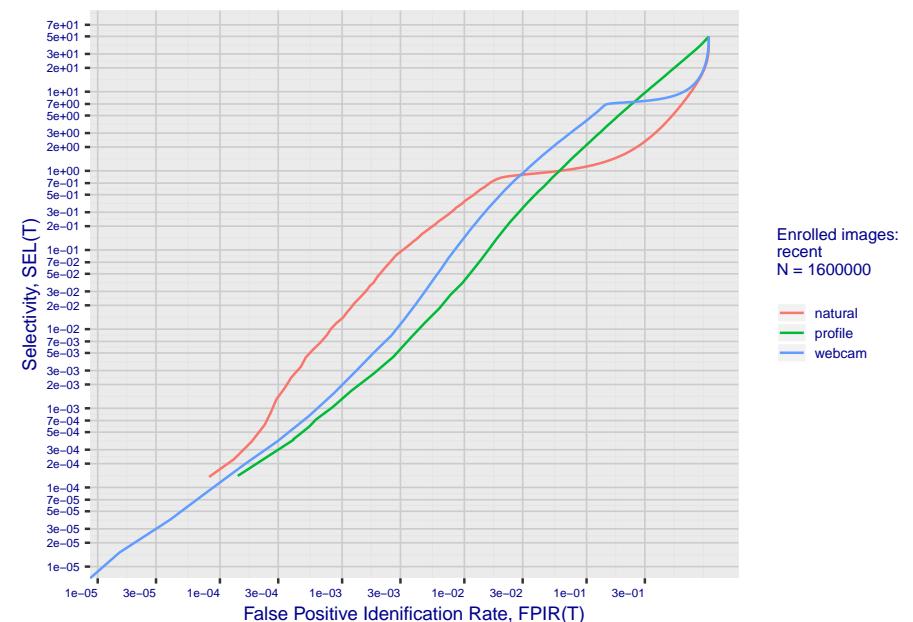
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm noblis\_1 2020-03-20 13:18:23

Fig 10: Template duration; search duration vs. N

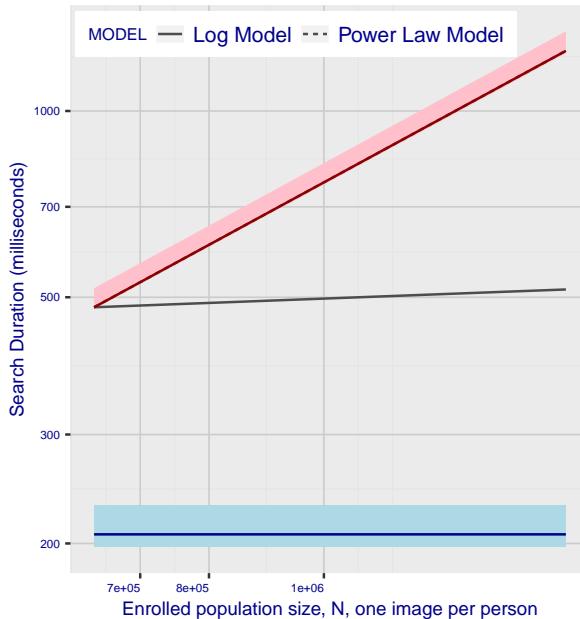
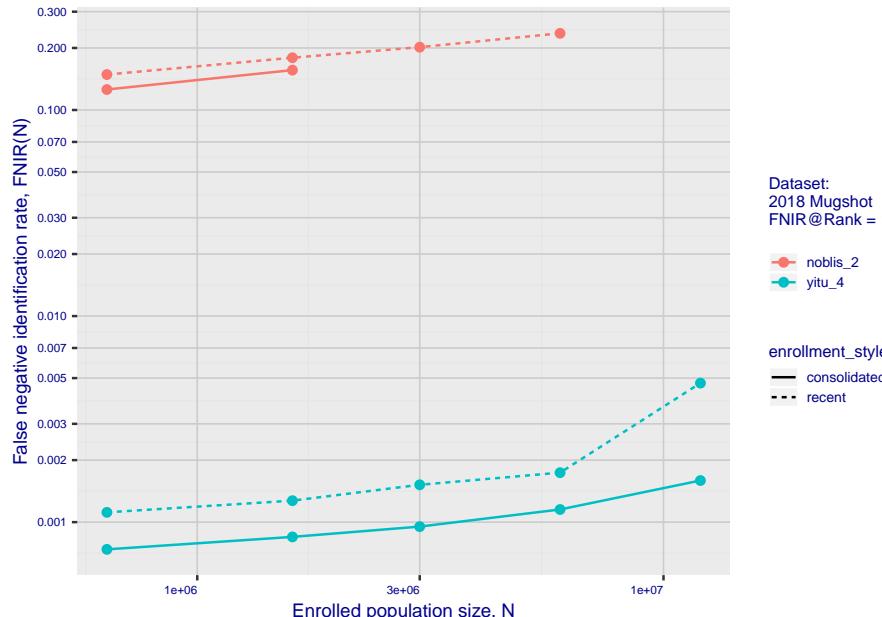


Fig 11: Datasheet

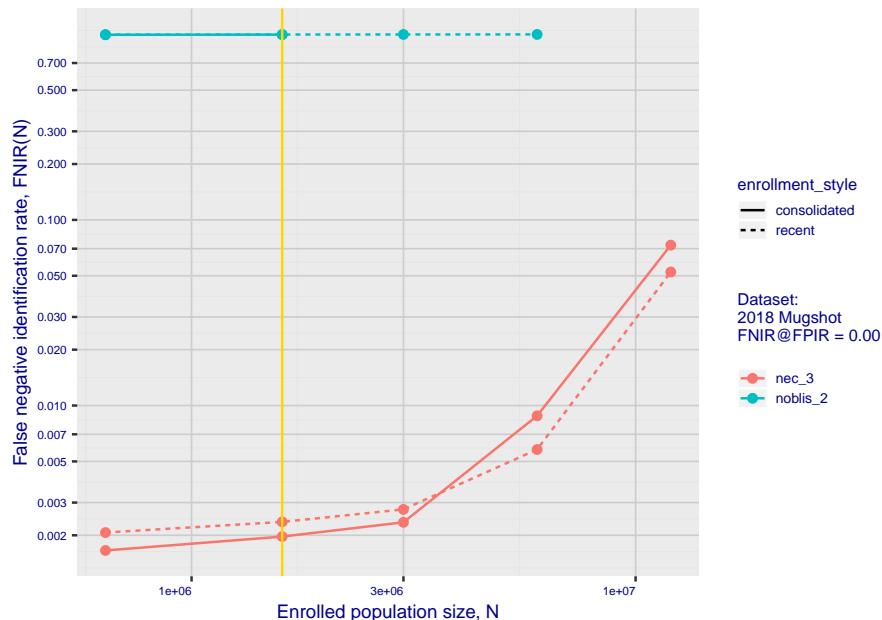
Algorithm:	noblis_1
Developer:	Nobilis
Submission Date:	2018_10_30
Template size:	2048 bytes
Template time (2.5 percentile):	197 msec
Template time (median):	207 msec
Template time (97.5 percentile):	230 msec
Investigation rank 217 -- FNIR(1600000, 0, 1) = 0.2492 vs. lowest 0.0010 from sensetime_003	
Identification rank 234 -- FNIR(1600000, T, L+1) = 0.9996	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

## 1. Report for algorithm noblis\_2 2020-03-20 13:21:47

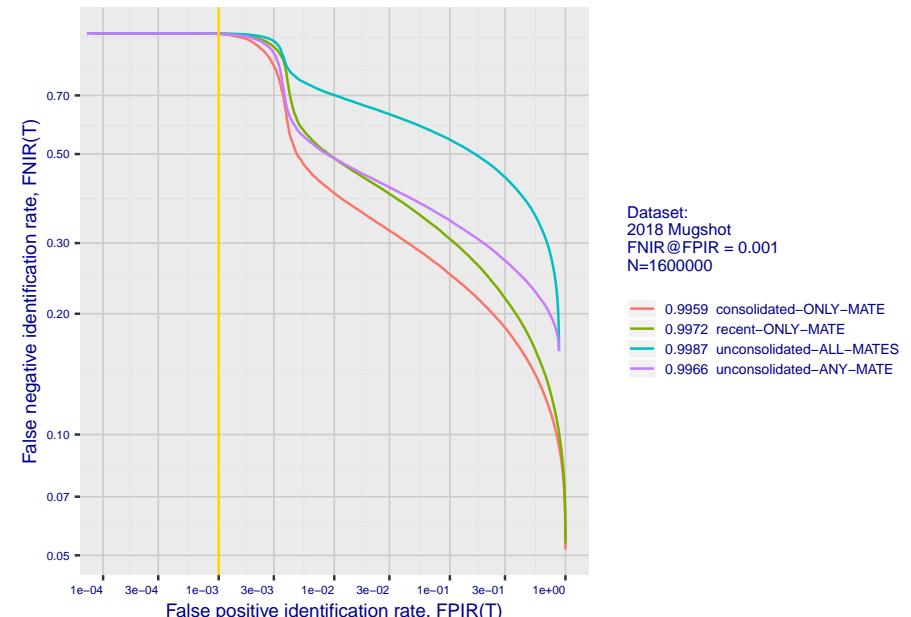
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



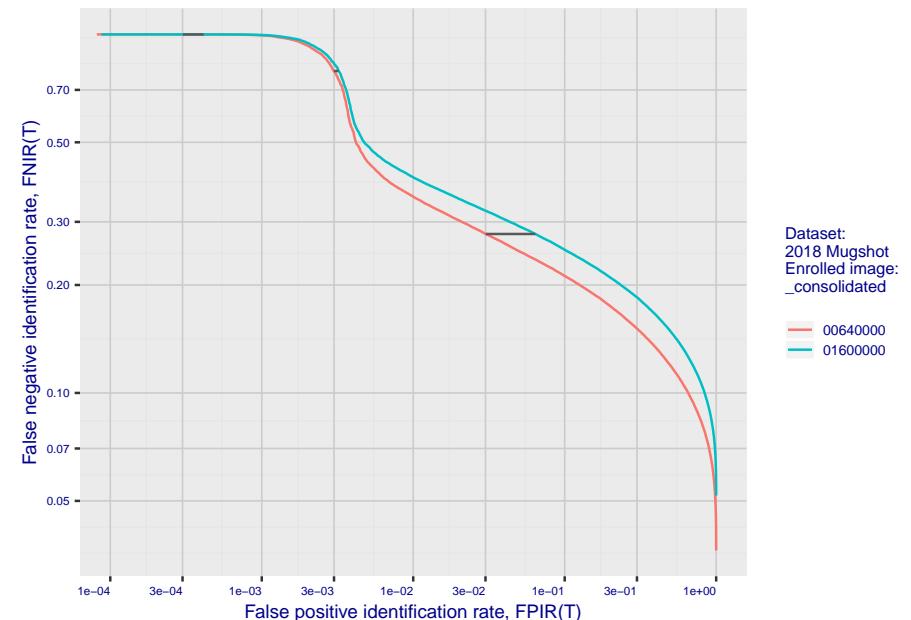
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

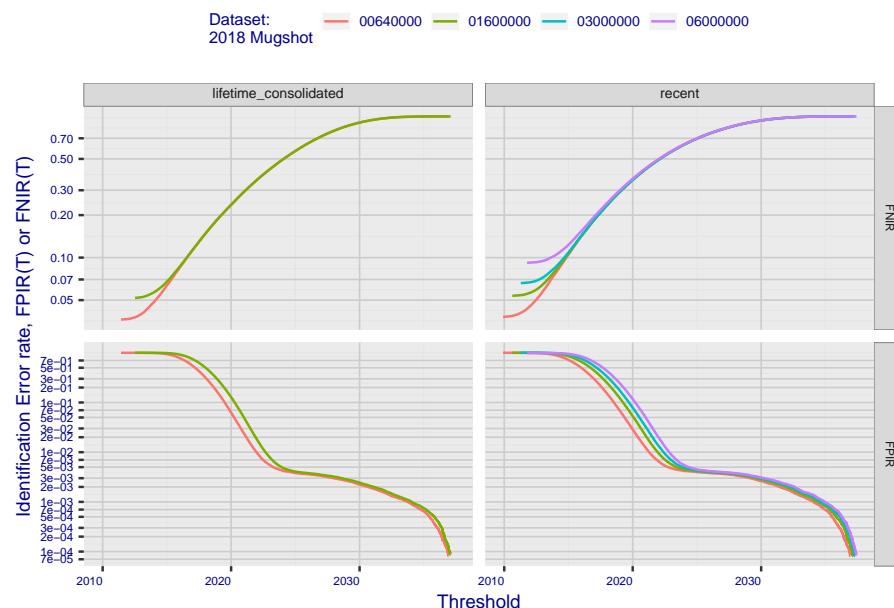


**Fig 4: DET for various N. Links connect points of equal threshold.**

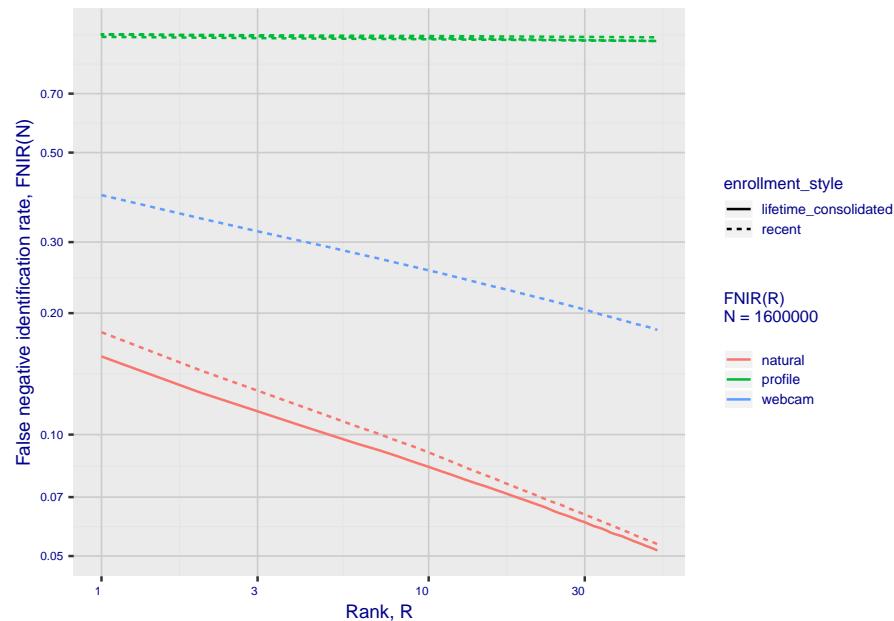


## 2. Report for algorithm noblis\_2 2020-03-20 13:21:47

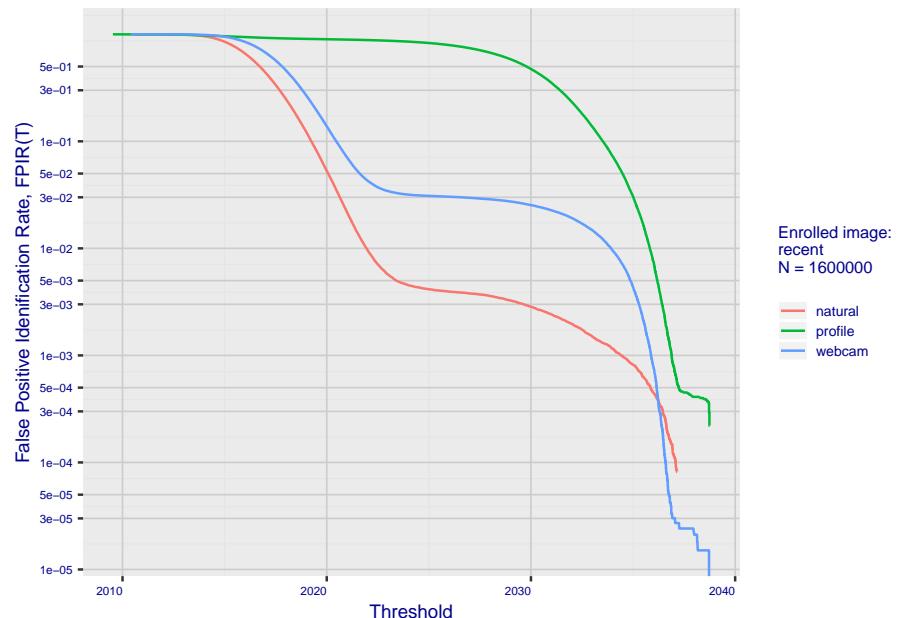
**Fig 5: Dependence on T by number enrolled identities**



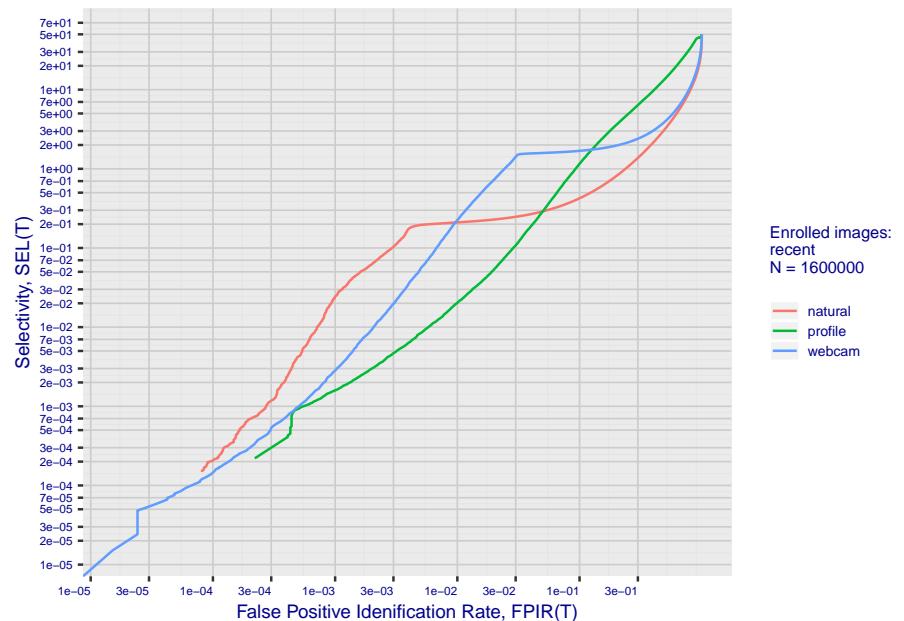
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

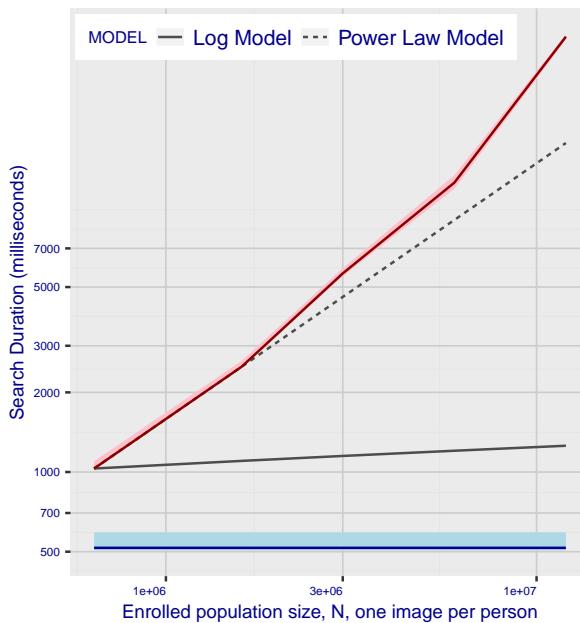


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm noblis\_2 2020-03-20 13:21:47

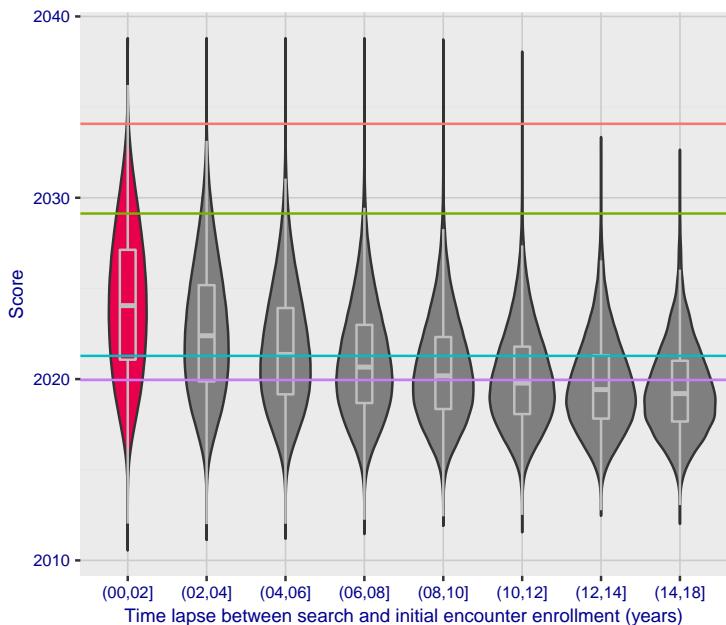
**Fig 10: Template duration; search duration vs. N**



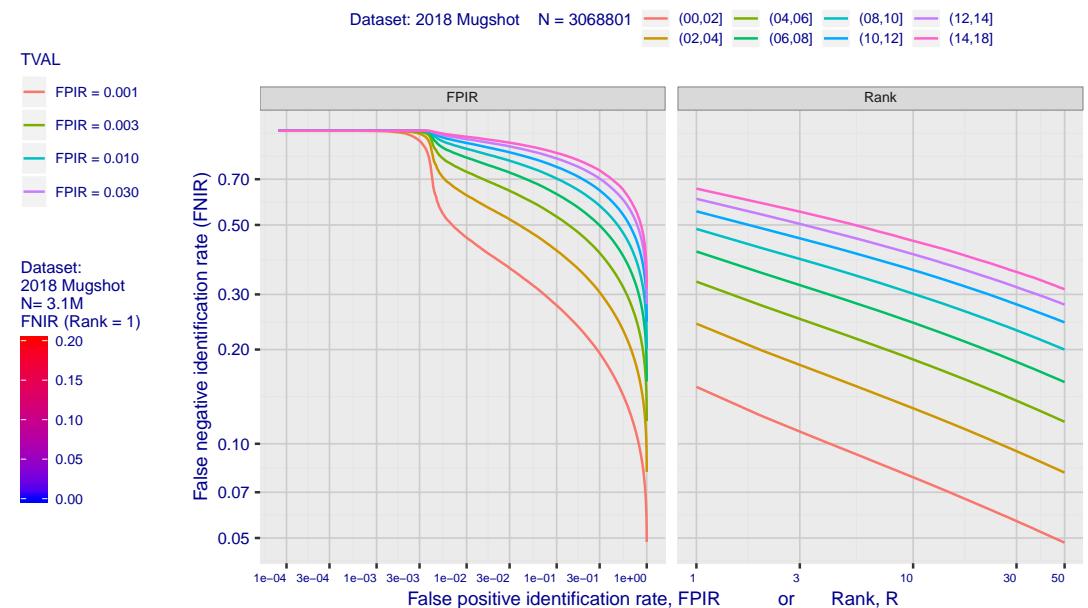
**Fig 11: Datasheet**

Algorithm: noblis_2
Developer: Noblis
Submission Date: 2018_10_30
Template size: 6144 bytes
Template time (2.5 percentile): 506 msec
Template time (median): 517 msec
Template time (97.5 percentile): 592 msec
Investigation rank 205 -- FNIR(1600000, 0, 1) = 0.1794 vs. lowest 0.0010 from sensetime_003
Identification rank 230 -- FNIR(1600000, T, L+1) = 0.9972
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

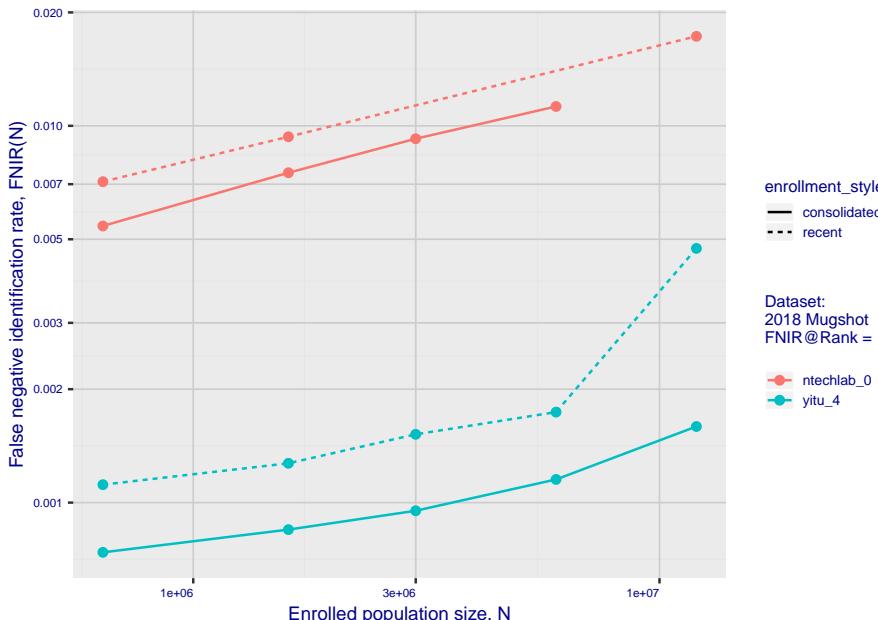


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

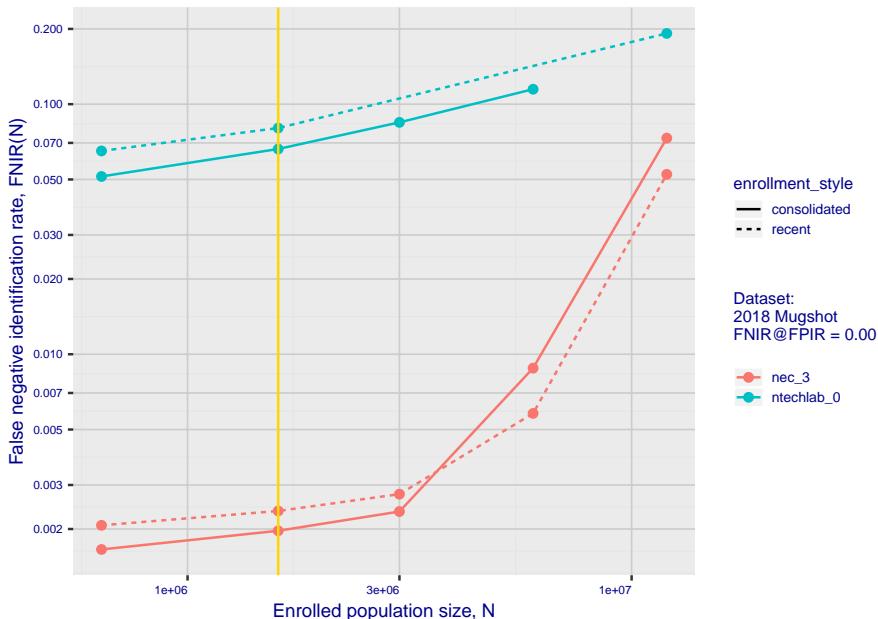


# 1. Report for algorithm ntechlab\_0 2020-03-20 13:18:44

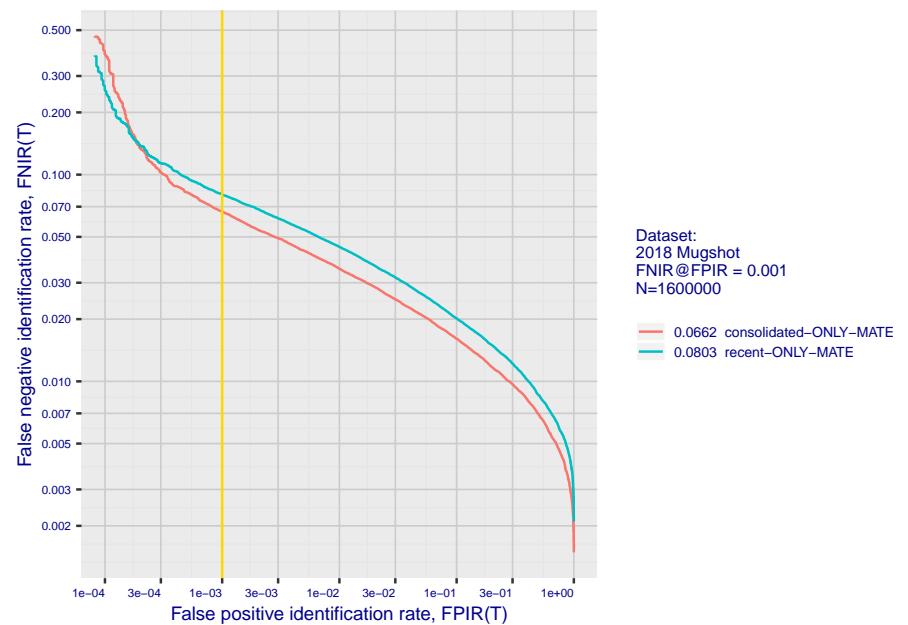
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



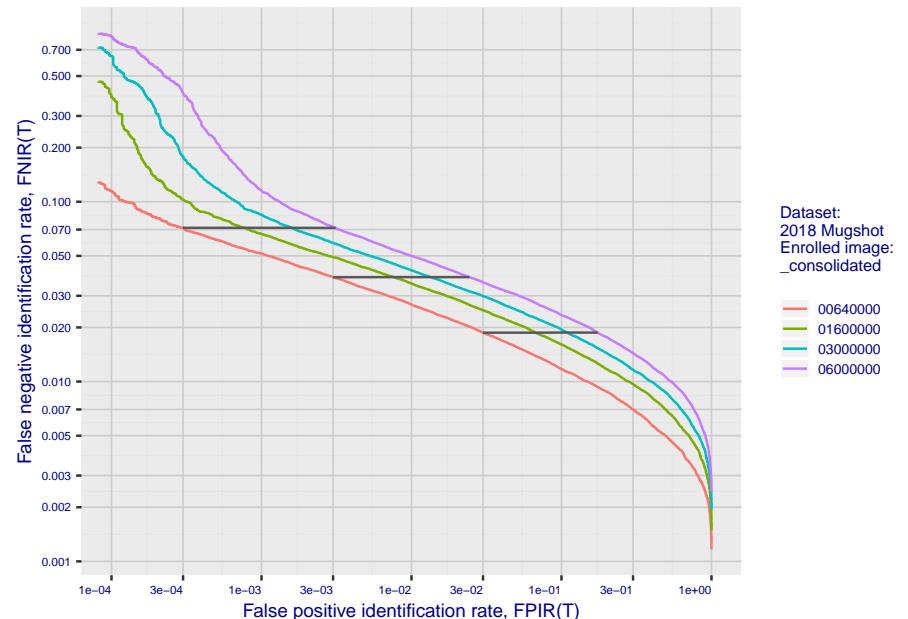
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

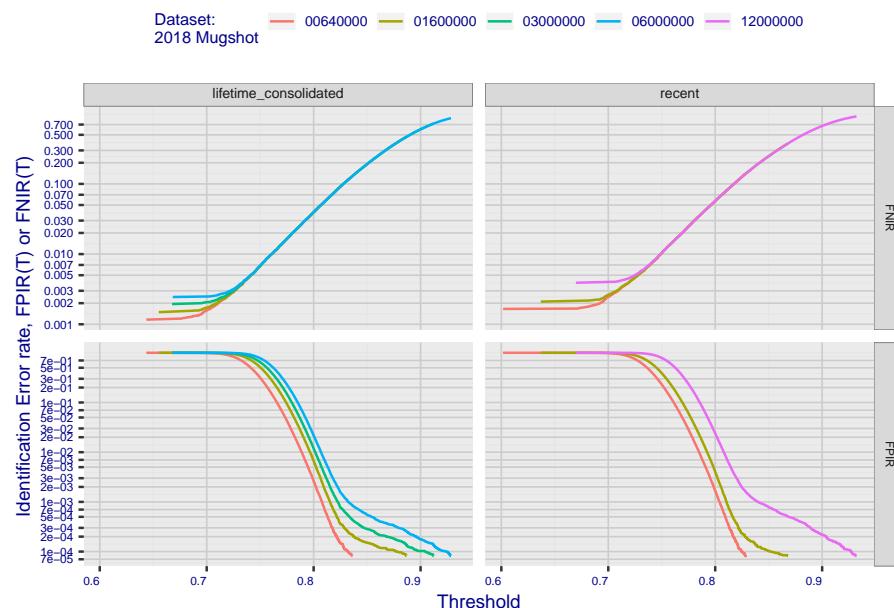


**Fig 4: DET for various N. Links connect points of equal threshold.**

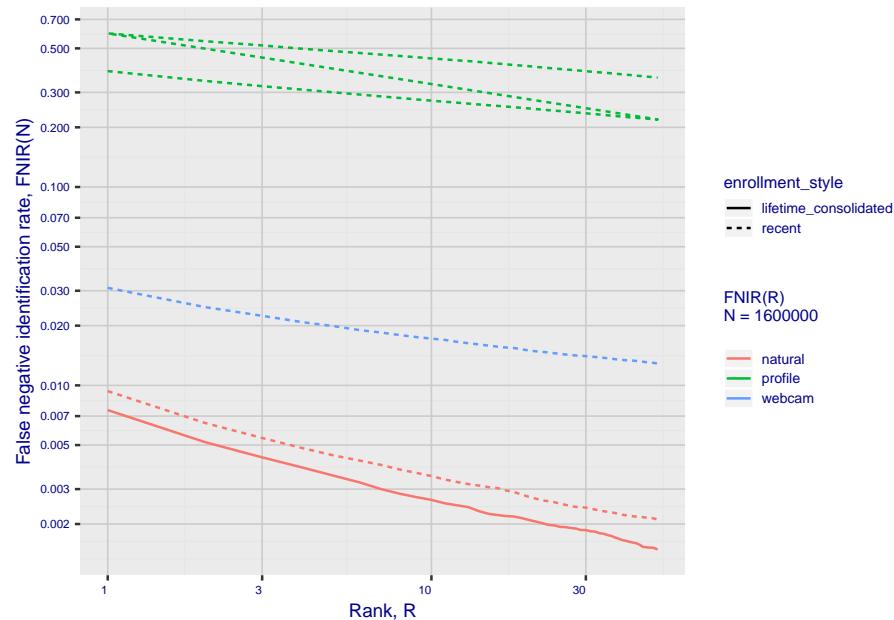


## 2. Report for algorithm ntechlab\_0 2020-03-20 13:18:44

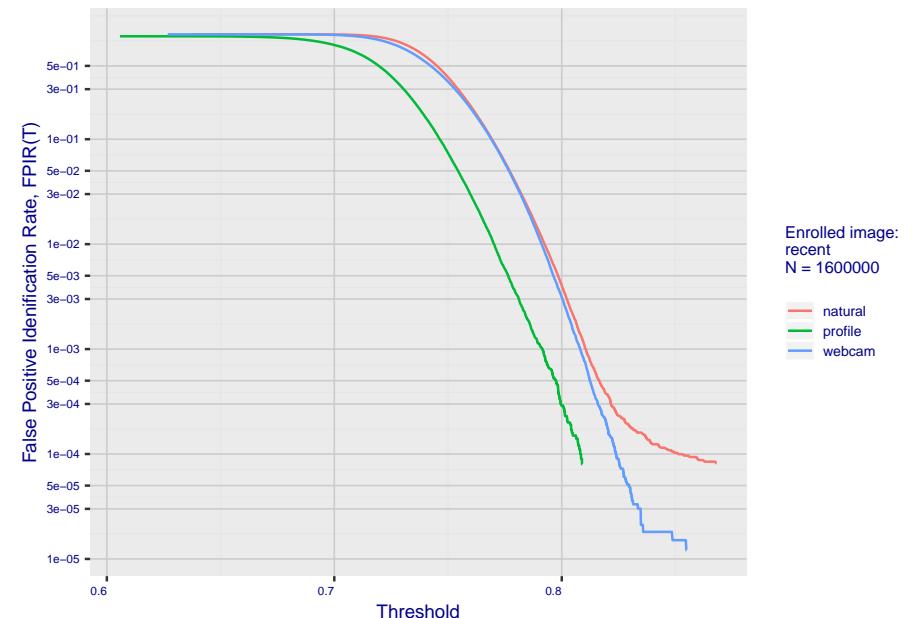
**Fig 5: Dependence on T by number enrolled identities**



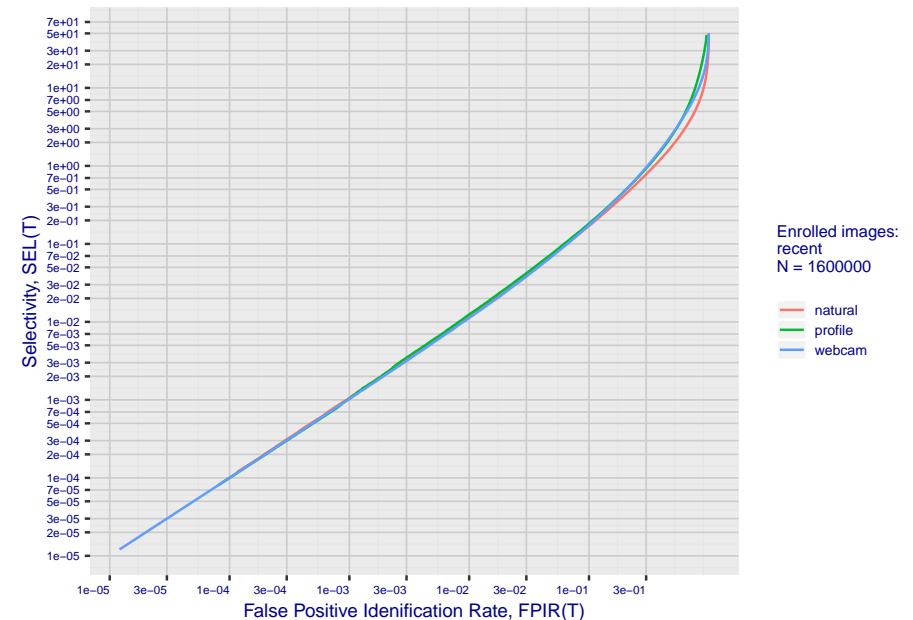
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

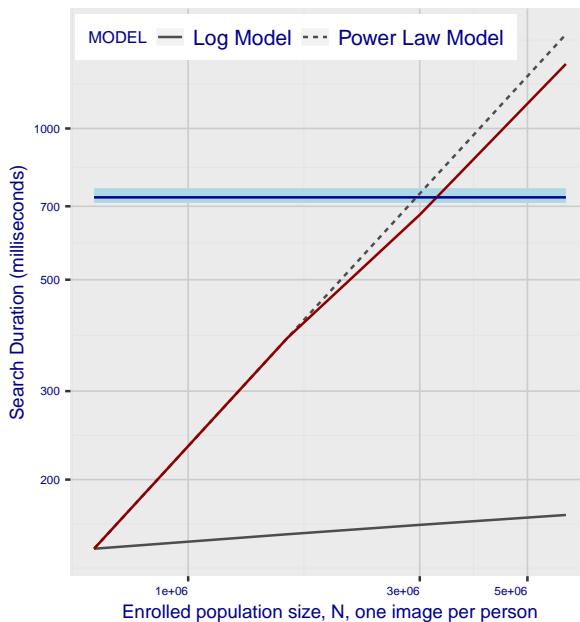


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm ntechlab\_0 2020-03-20 13:18:44

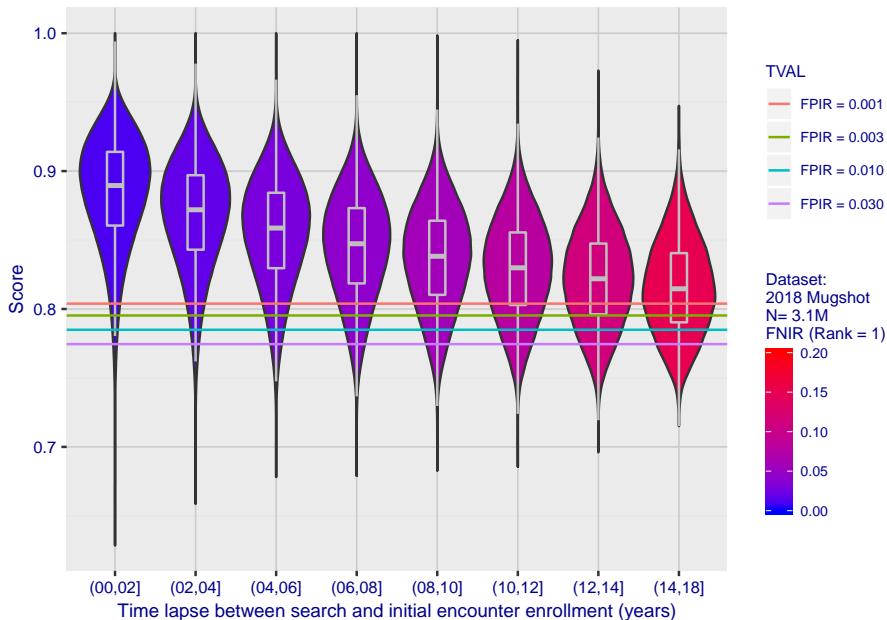
**Fig 10: Template duration; search duration vs. N**



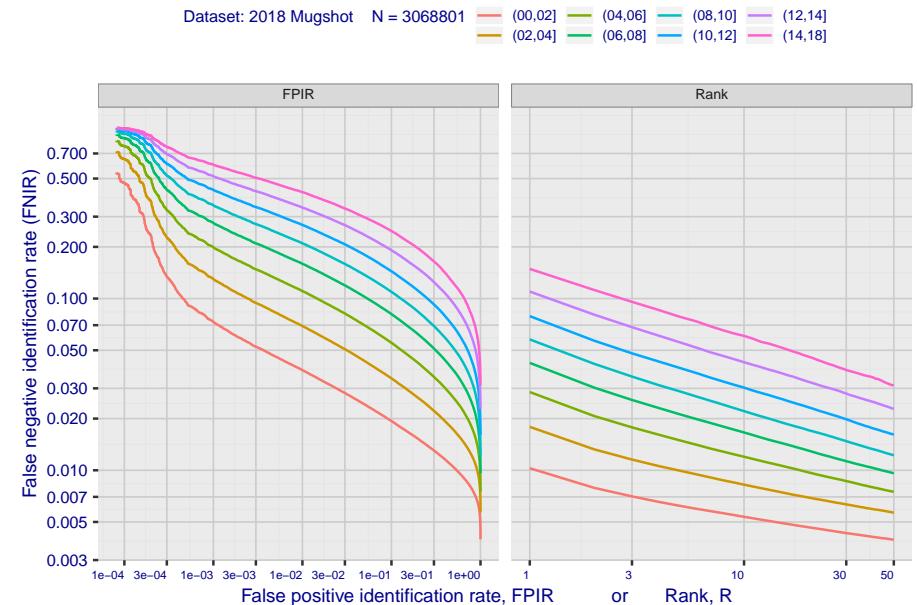
**Fig 11: Datasheet**

Algorithm: ntechlab_0
Developer: N-Tech Lab
Submission Date: 2018_02_16
Template size: 4441 bytes
Template time (2.5 percentile): 711 msec
Template time (median): 729 msec
Template time (97.5 percentile): 760 msec
Investigation rank 96 --- FNIR(1600000, 0, 1) = 0.0094 vs. lowest 0.0010 from sensetime_003
Identification rank 91 --- FNIR(1600000, T, L+1) = 0.0803
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

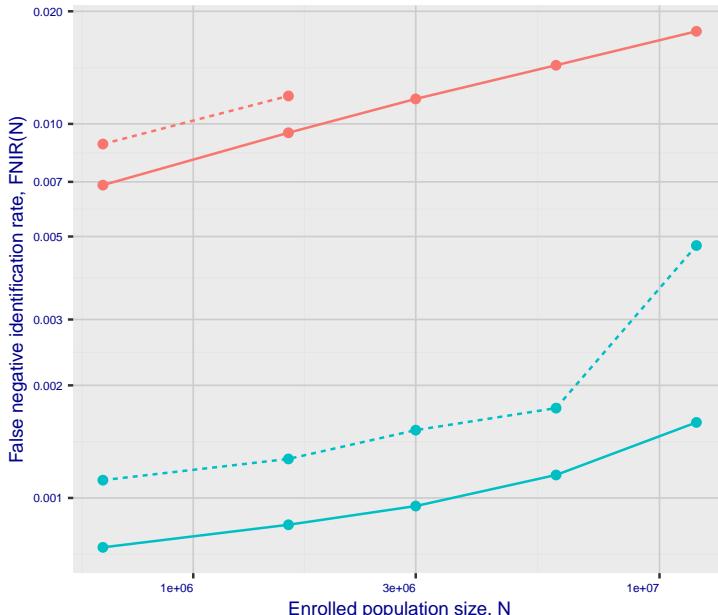


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

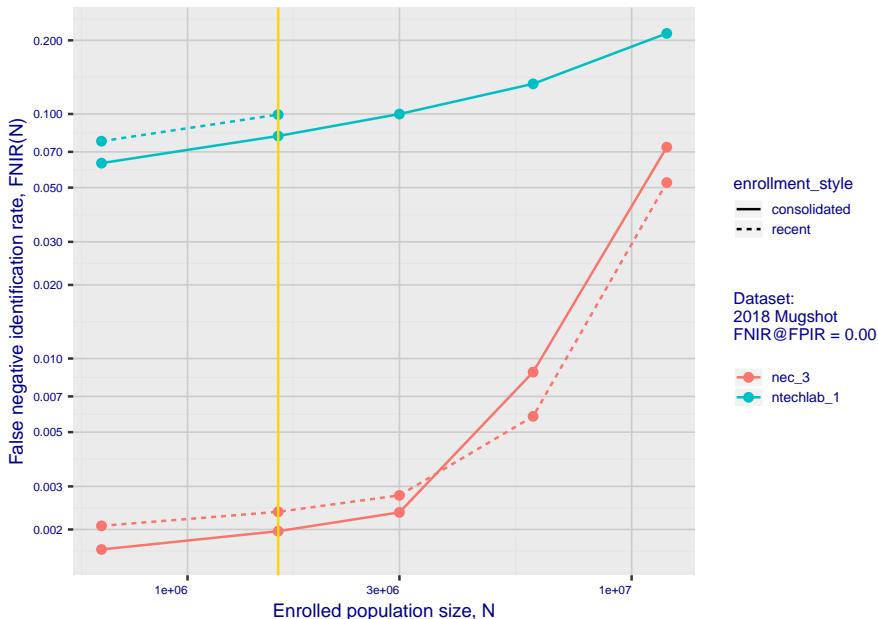


## 1. Report for algorithm ntechlab\_1 2020-03-20 13:20:48

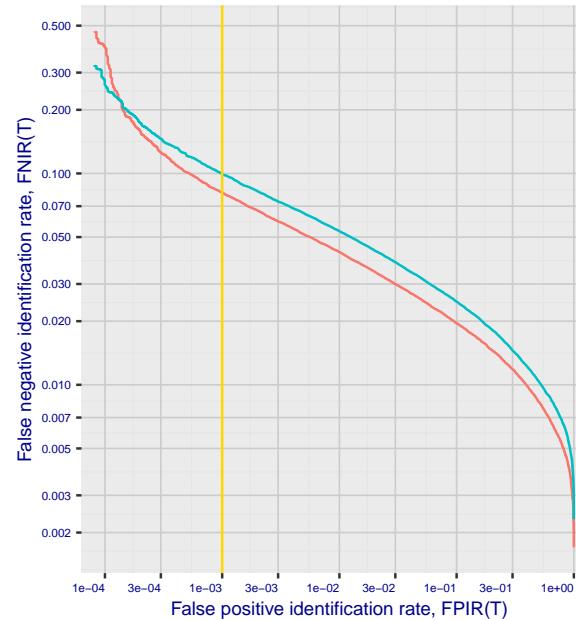
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



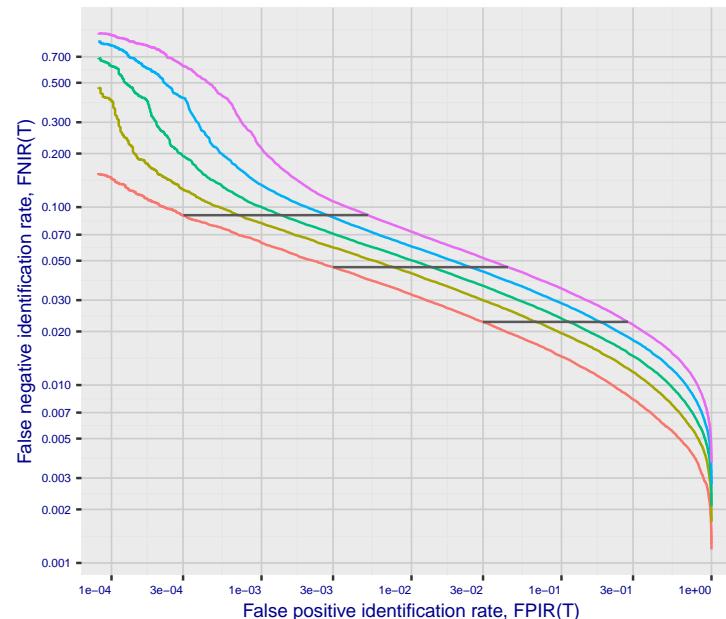
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

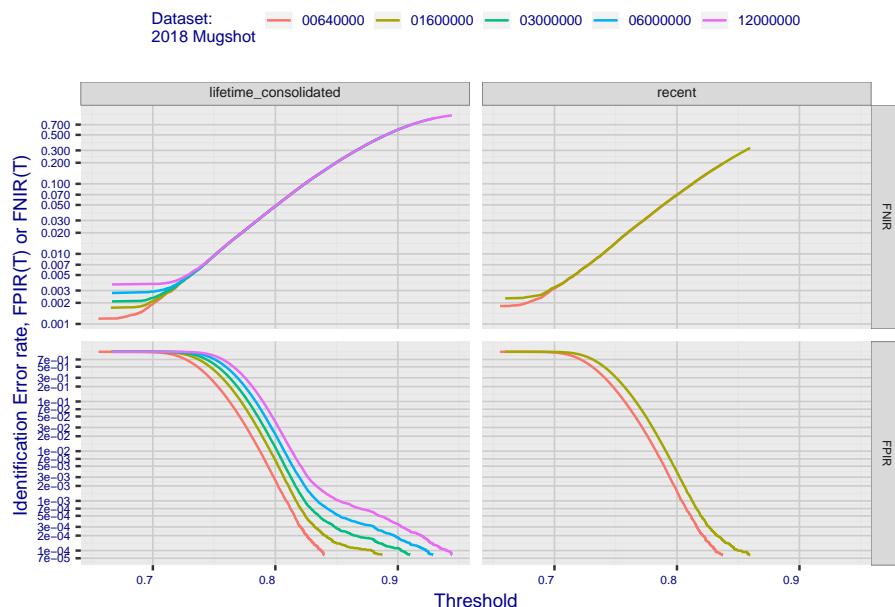


**Fig 4: DET for various N. Links connect points of equal threshold.**

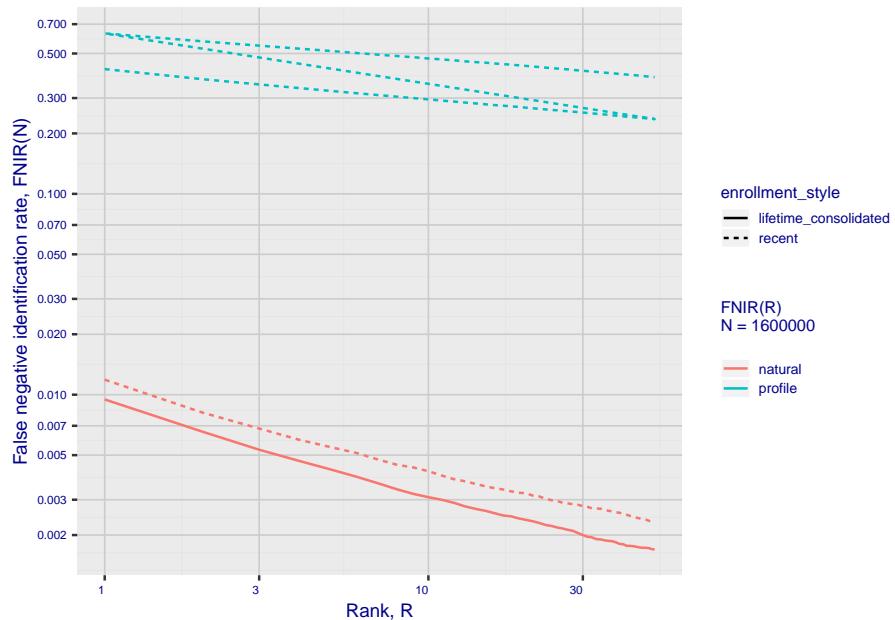


## 2. Report for algorithm ntechlab\_1 2020-03-20 13:20:48

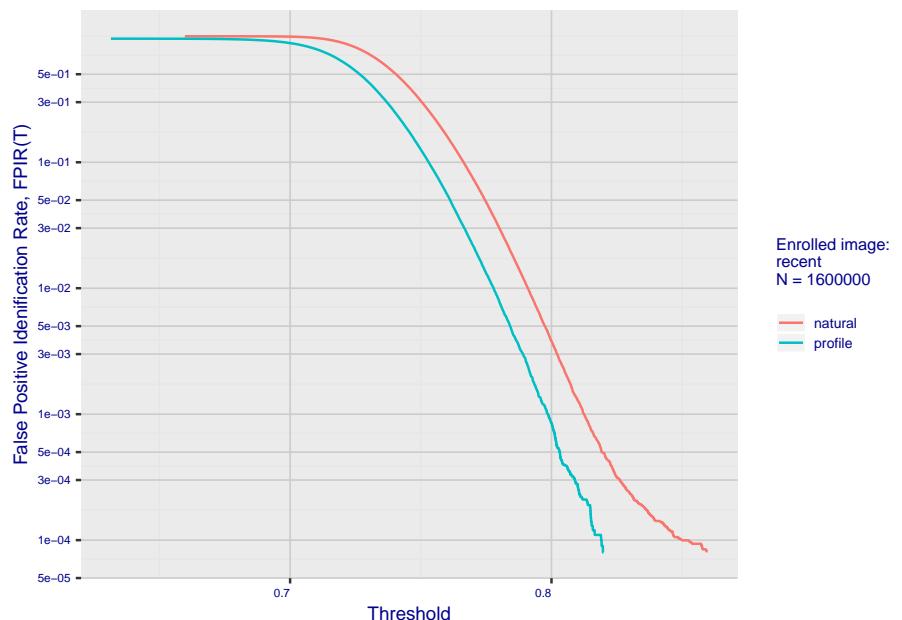
**Fig 5: Dependence on T by number enrolled identities**



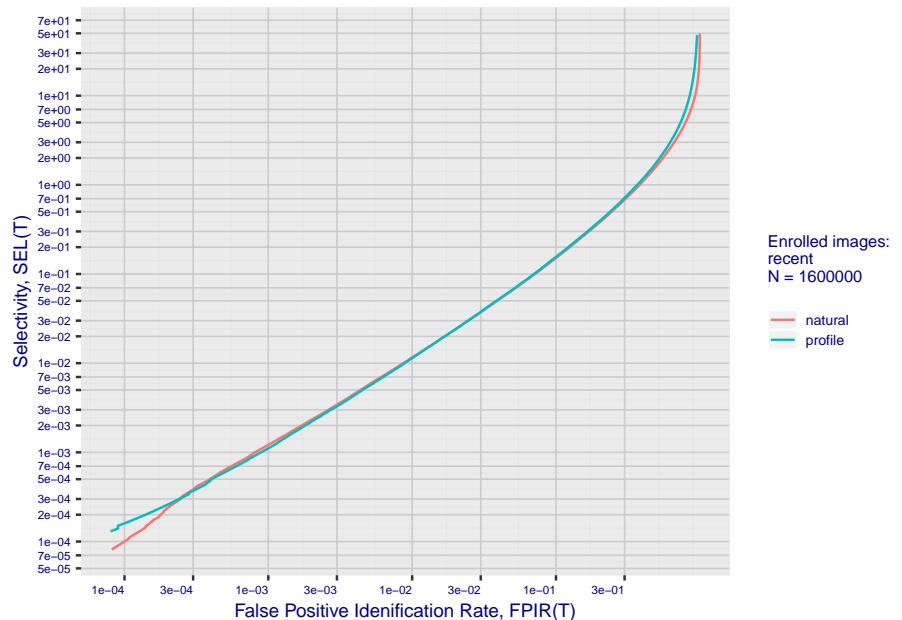
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm ntechlab\_1 2020-03-20 13:20:48

Fig 10: Template duration; search duration vs. N

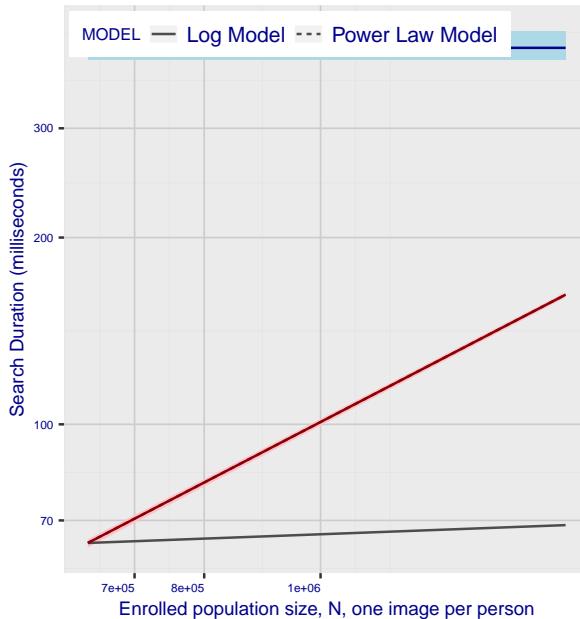
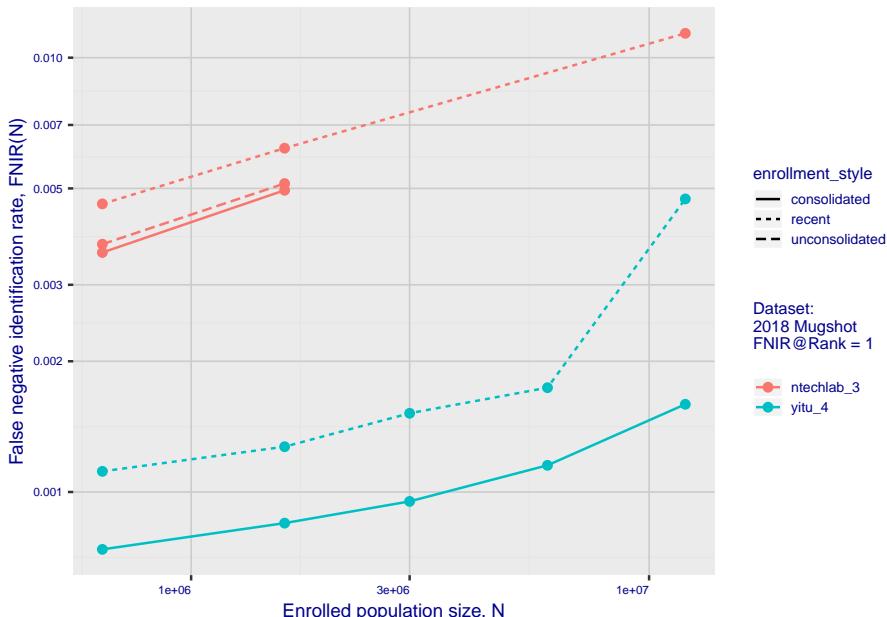


Fig 11: Datasheet

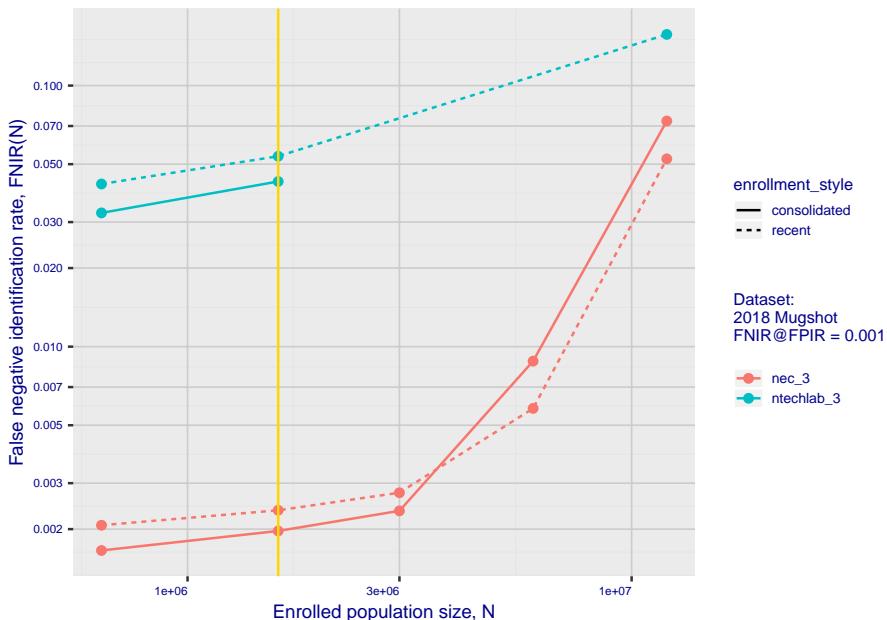
Algorithm: ntechlab_1
Developer: N-Tech Lab
Submission Date: 2018_02_16
Template size: 1736 bytes
Template time (2.5 percentile): 387 msec
Template time (median): 404 msec
Template time (97.5 percentile): 430 msec
Investigation rank 113 -- FNIR(160000, 0, 1) = 0.0119 vs. lowest 0.0010 from sensetime_003
Identification rank 105 -- FNIR(160000, T, L+1) = 0.0994
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

## 1. Report for algorithm ntechlab\_3 2020-03-20 13:22:32

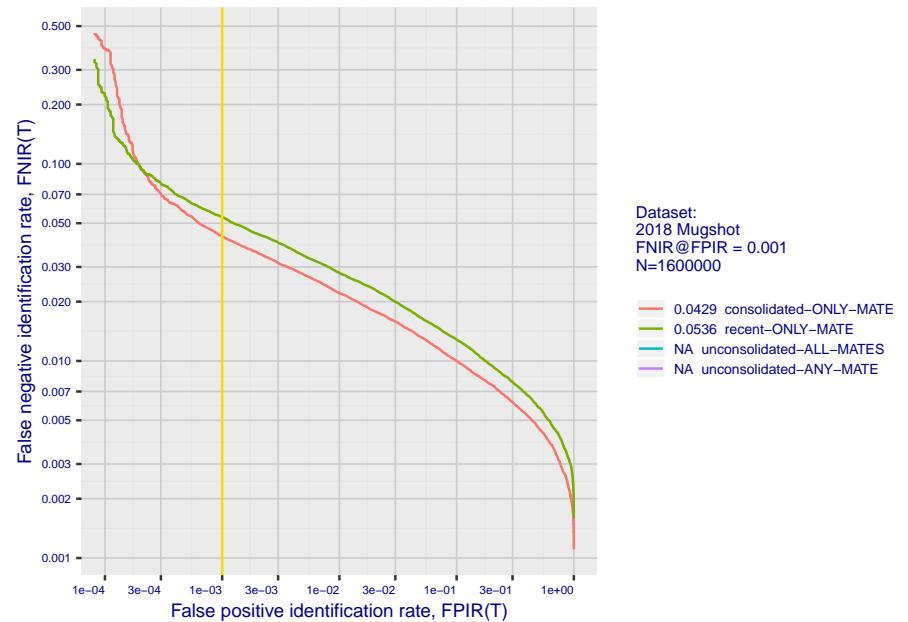
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



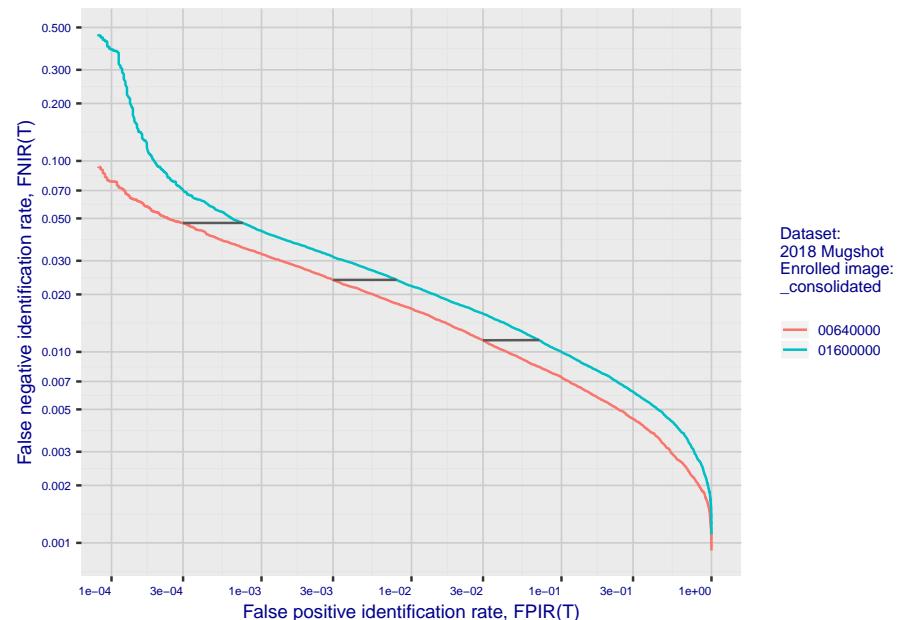
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

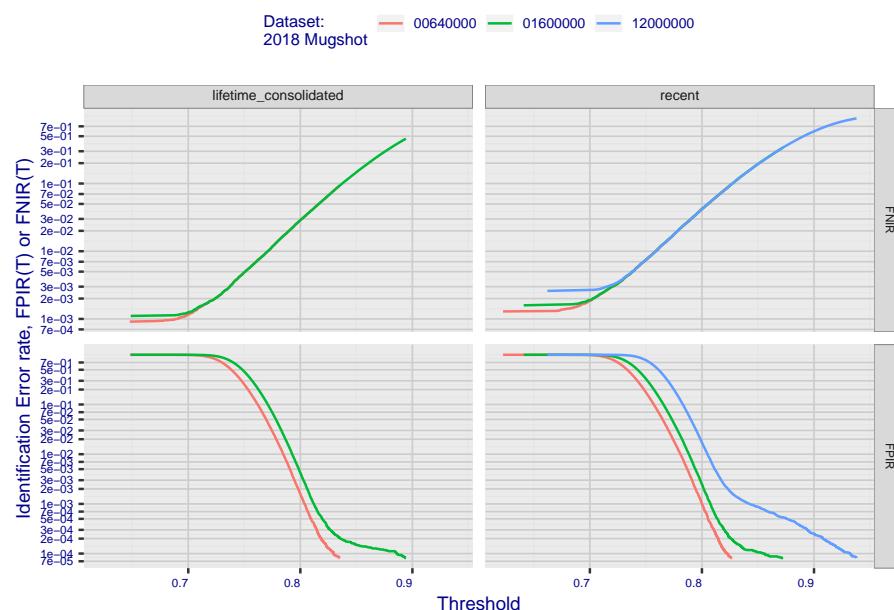


**Fig 4: DET for various N. Links connect points of equal threshold.**

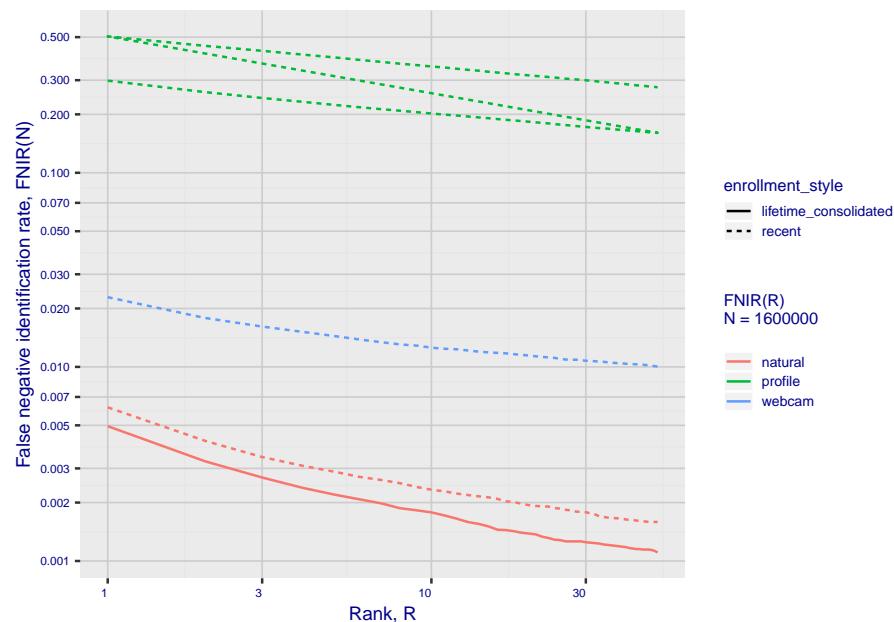


## 2. Report for algorithm ntechlab\_3 2020-03-20 13:22:32

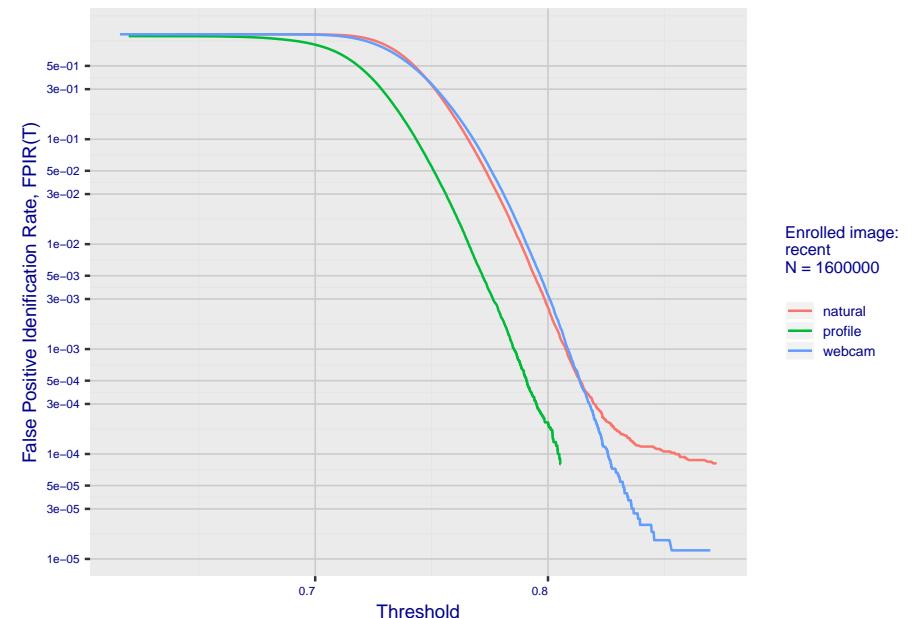
**Fig 5: Dependence on T by number enrolled identities**



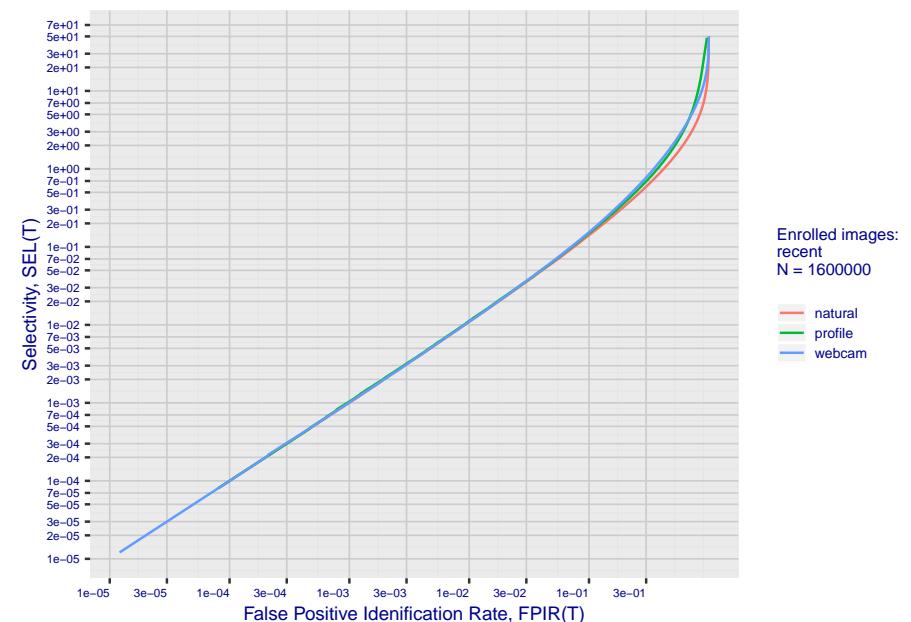
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

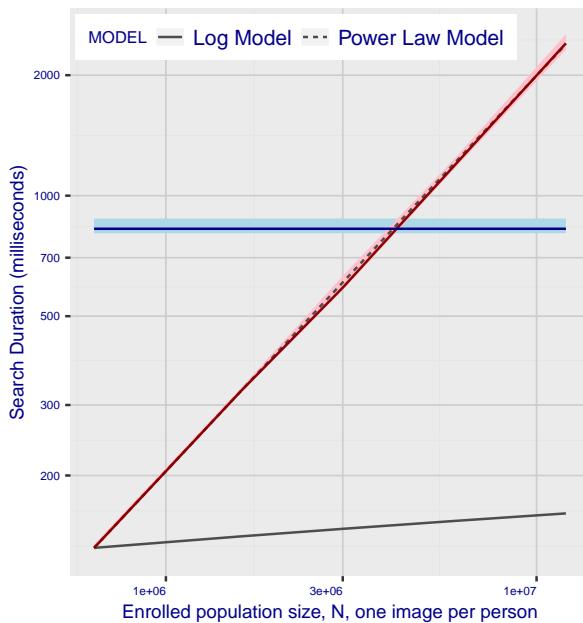


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm ntechlab\_3 2020-03-20 13:22:32

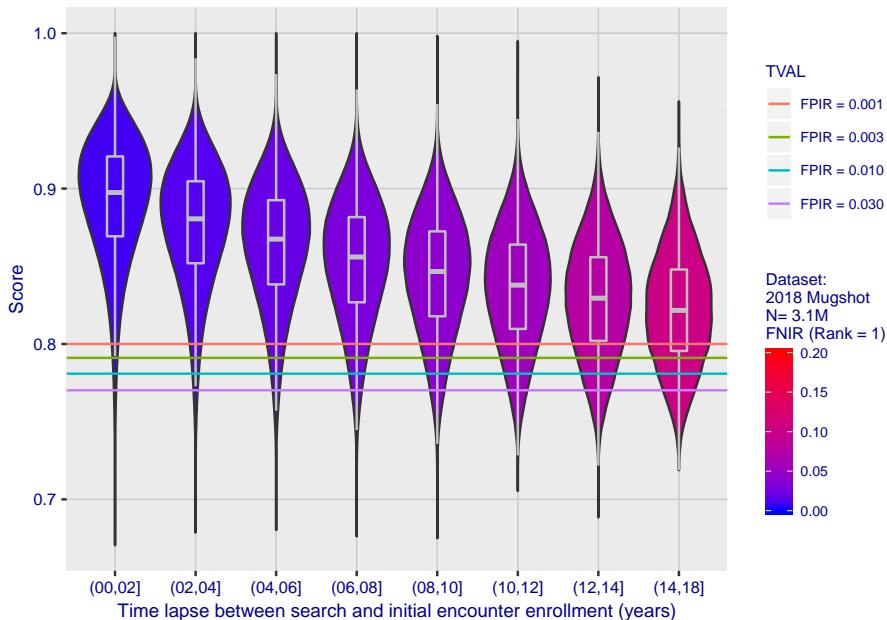
**Fig 10: Template duration; search duration vs. N**



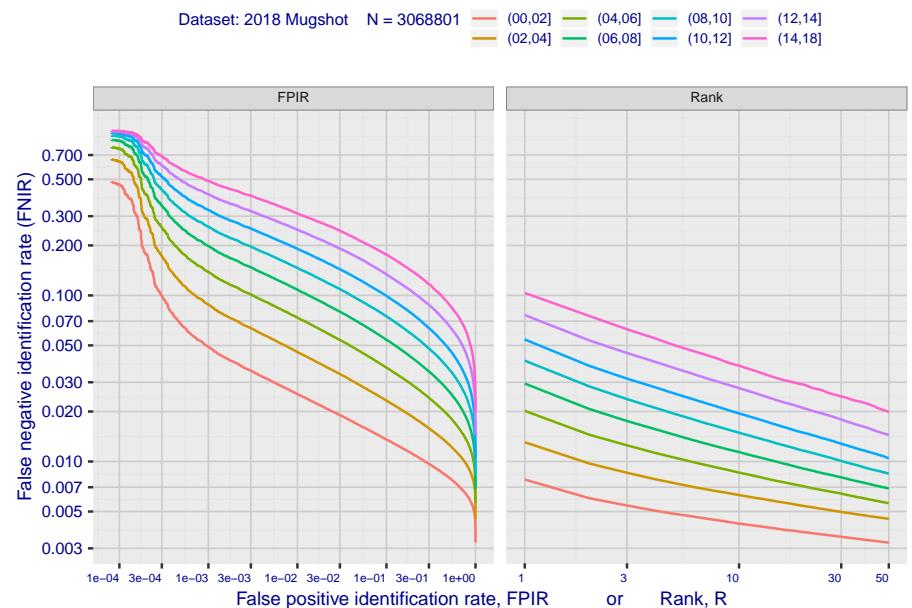
**Fig 11: Datasheet**

Algorithm: ntechlab_3
Developer: N-Tech Lab
Submission Date: 2018_06_21
Template size: 3482 bytes
Template time (2.5 percentile): 806 msec
Template time (median): 827 msec
Template time (97.5 percentile): 877 msec
Investigation rank 67 --- FNIR(1600000, 0, 1) = 0.0062 vs. lowest 0.0010 from sensetime_003
Identification rank 67 --- FNIR(1600000, T, L+1) = 0.0536
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

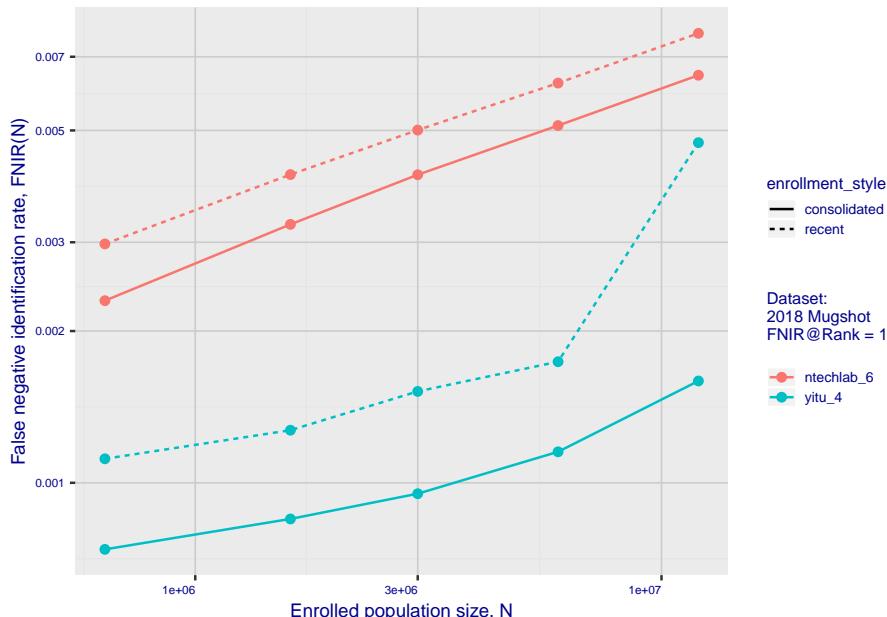


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

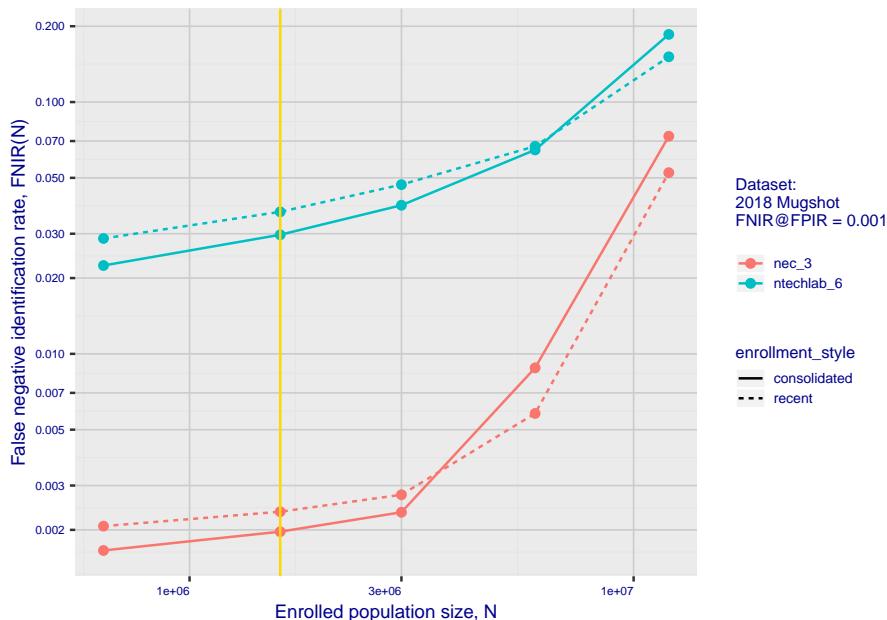


## 1. Report for algorithm ntechlab\_6 2020-03-20 13:22:22

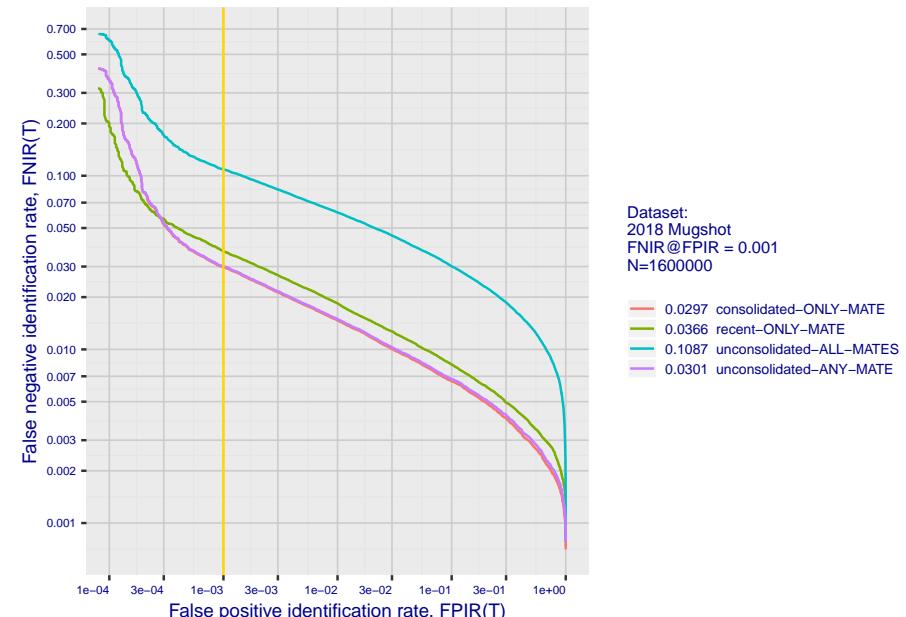
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



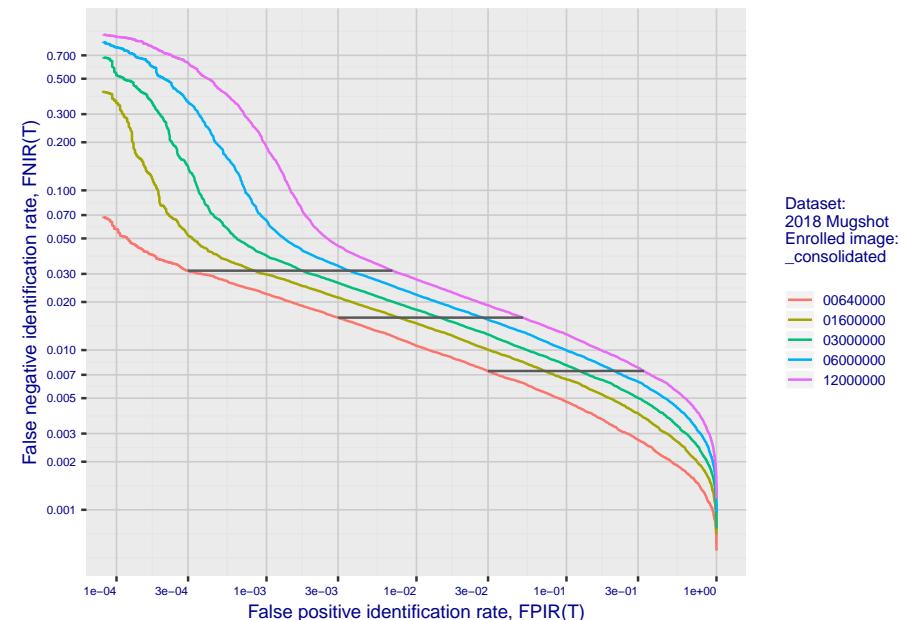
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

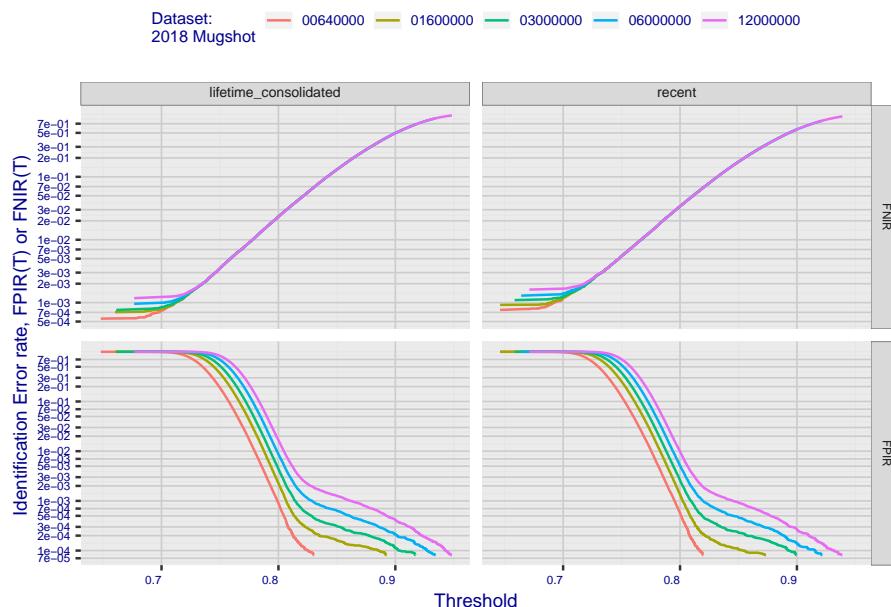


**Fig 4: DET for various N. Links connect points of equal threshold.**

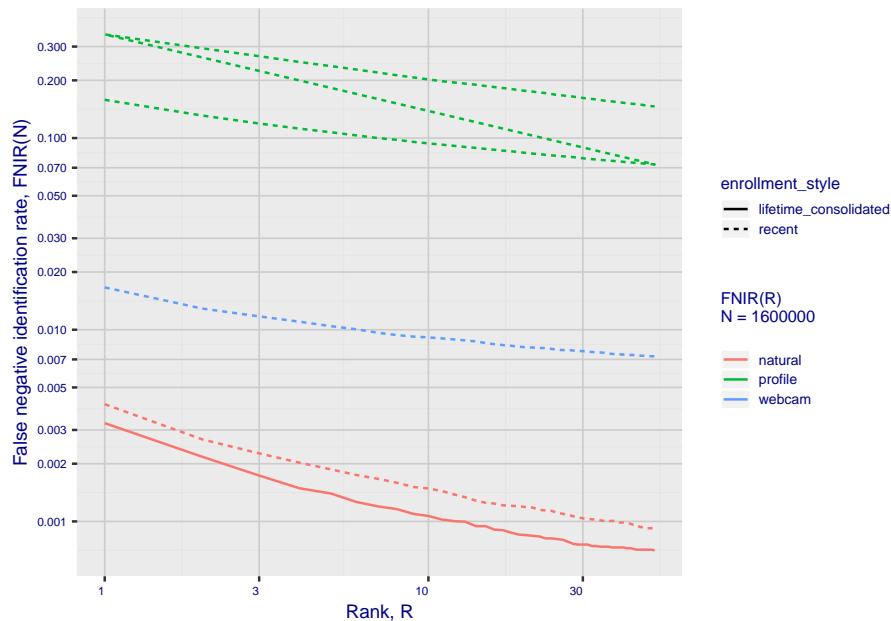


## 2. Report for algorithm ntechlab\_6 2020-03-20 13:22:22

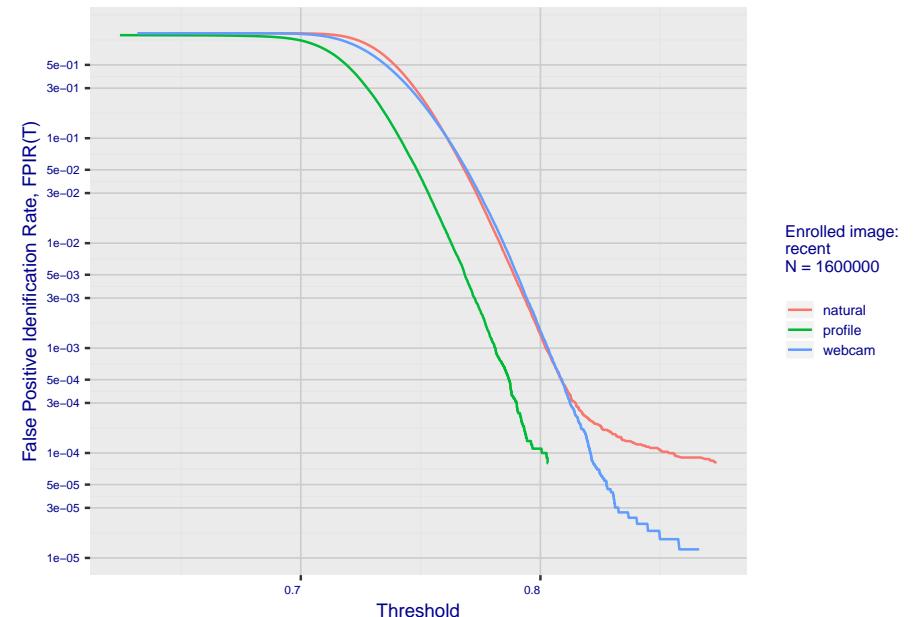
**Fig 5: Dependence on T by number enrolled identities**



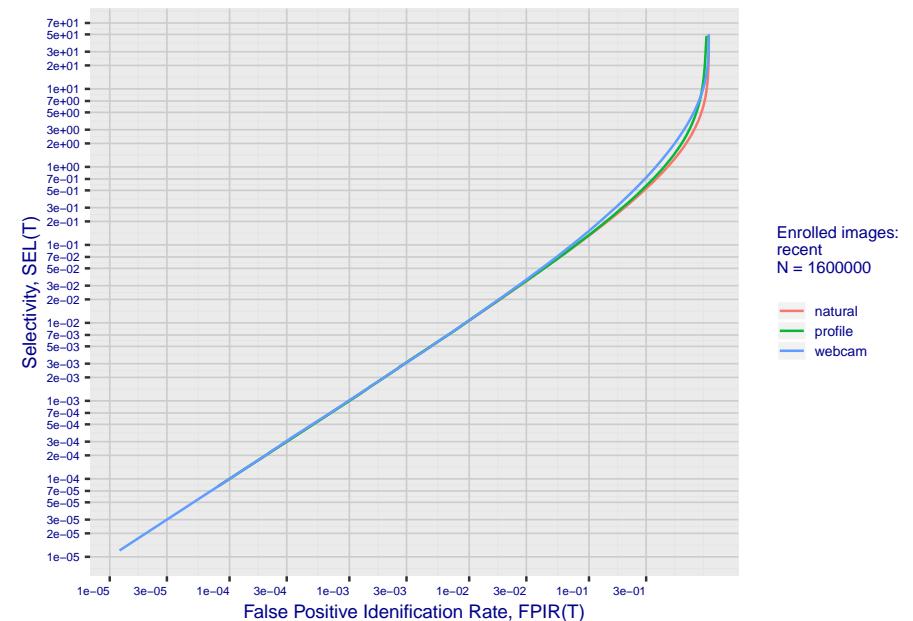
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

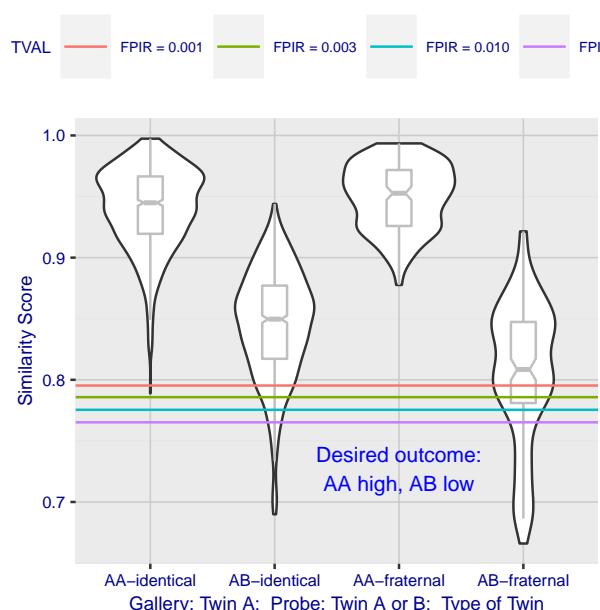


**Fig 8: FPIR vs. Selectivity**

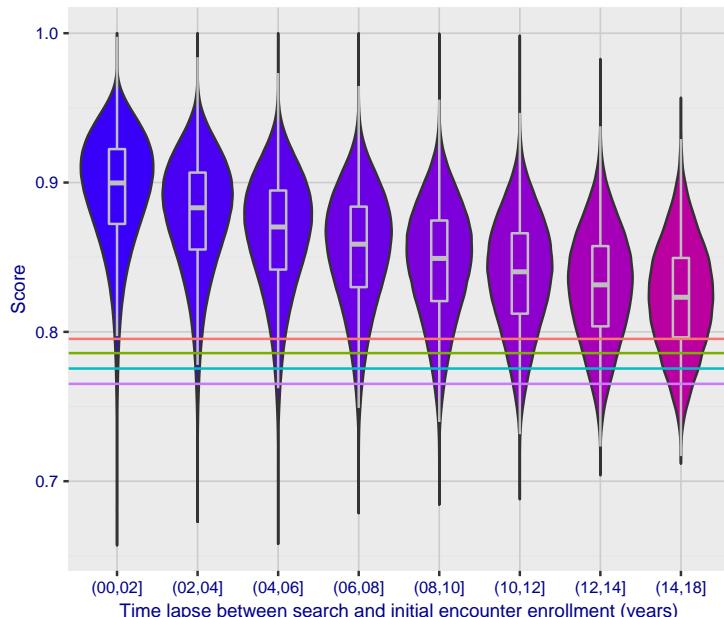


### 3. Report for algorithm ntechlab\_6 2020-03-20 13:22:22

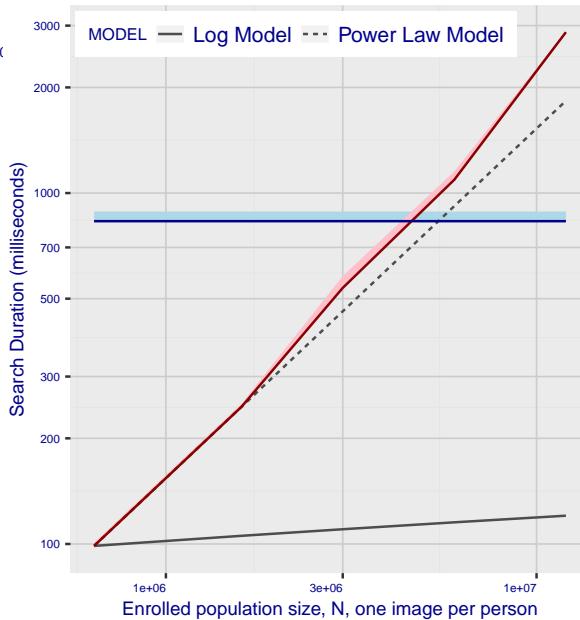
**Fig 9: Solo-Twin and Twin-Twin similarity scores**



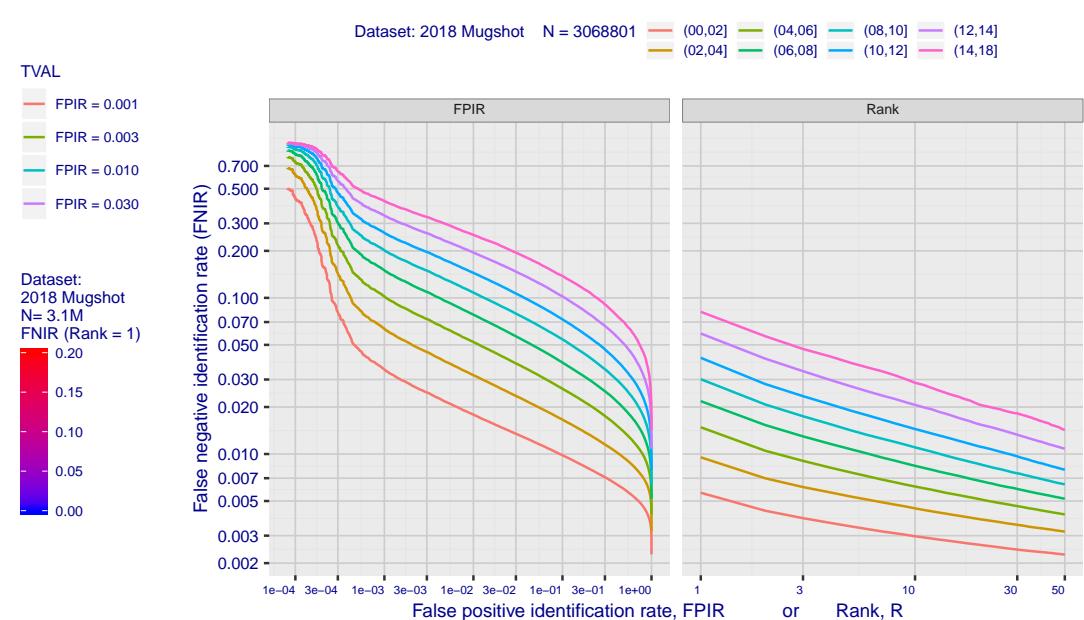
**Fig 12: Decline of genuine scores with ageing**



**Fig 10: Template duration; search duration vs. N**



**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

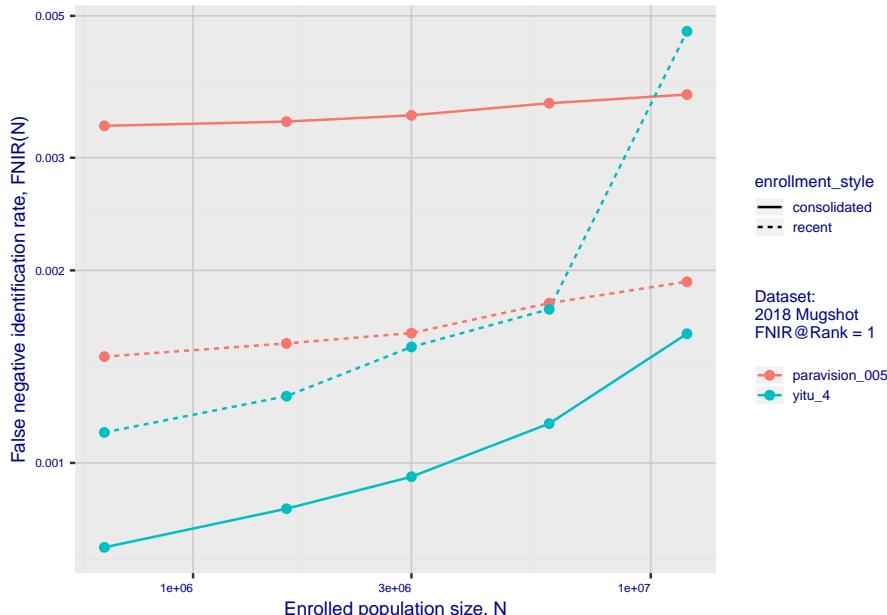


**Fig 11: Datasheet**

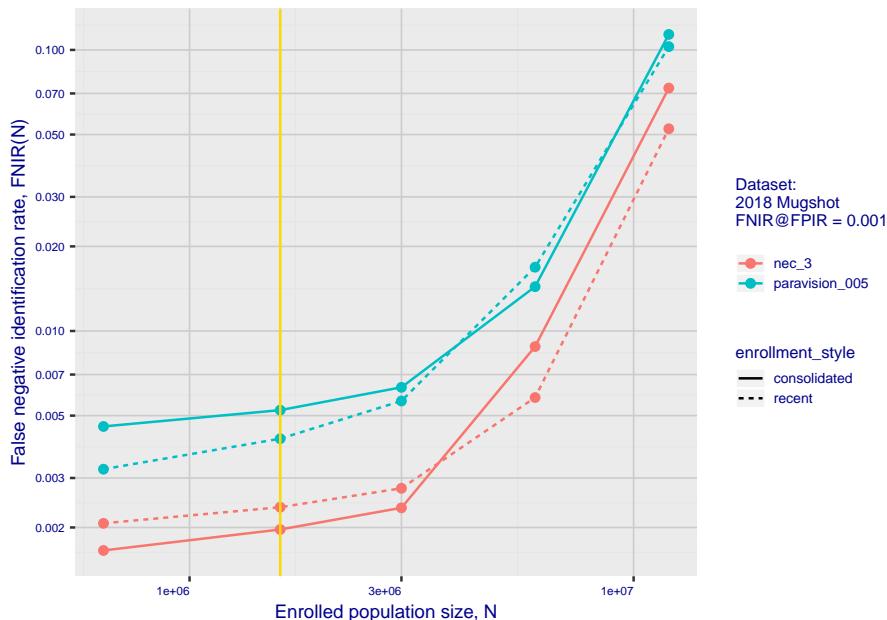
Algorithm:	ntechlab_6
Developer:	N-Tech Lab
Submission Date:	2018_10_30
Template size:	1940 bytes
Template time (2.5 percentile):	828 msec
Template time (median):	831 msec
Template time (97.5 percentile):	886 msec
Investigation rank 47 --- FNIR(1600000, 0, 1) = 0.0041 vs. lowest 0.0010 from sensetime_003	
Identification rank 35 --- FNIR(1600000, T, L+1) = 0.0366	
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm paravision\_005 2020-03-20 13:22:15

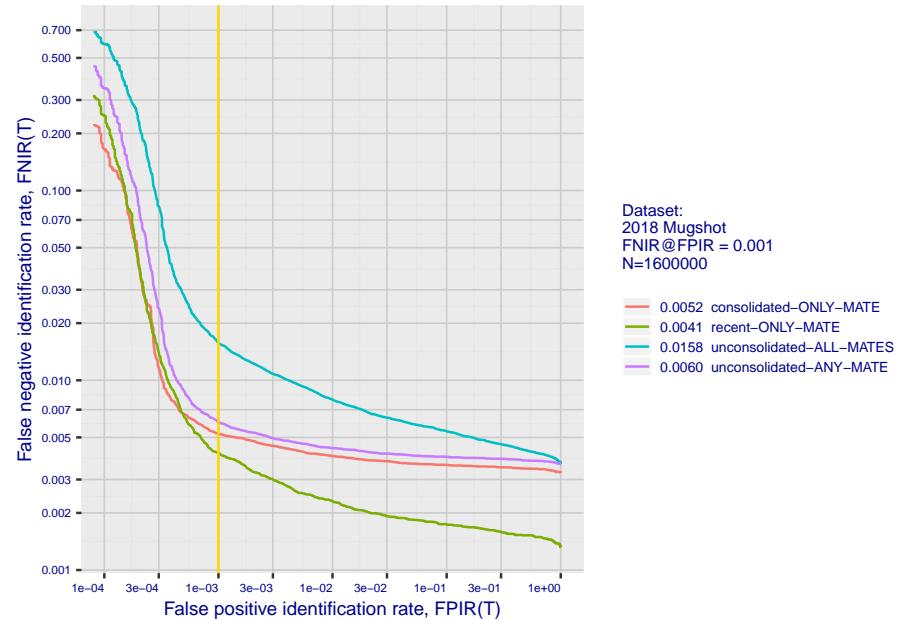
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



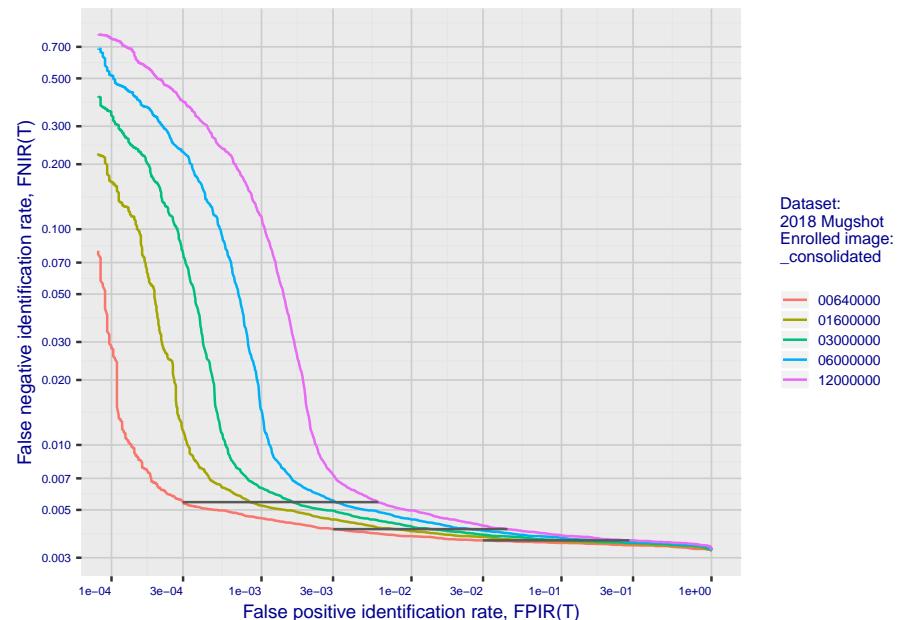
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

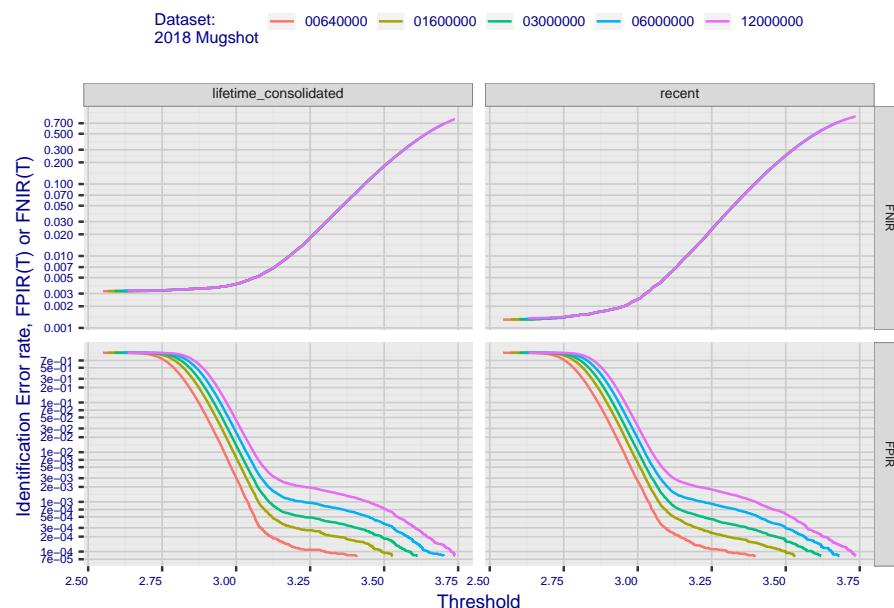


**Fig 4: DET for various N. Links connect points of equal threshold.**

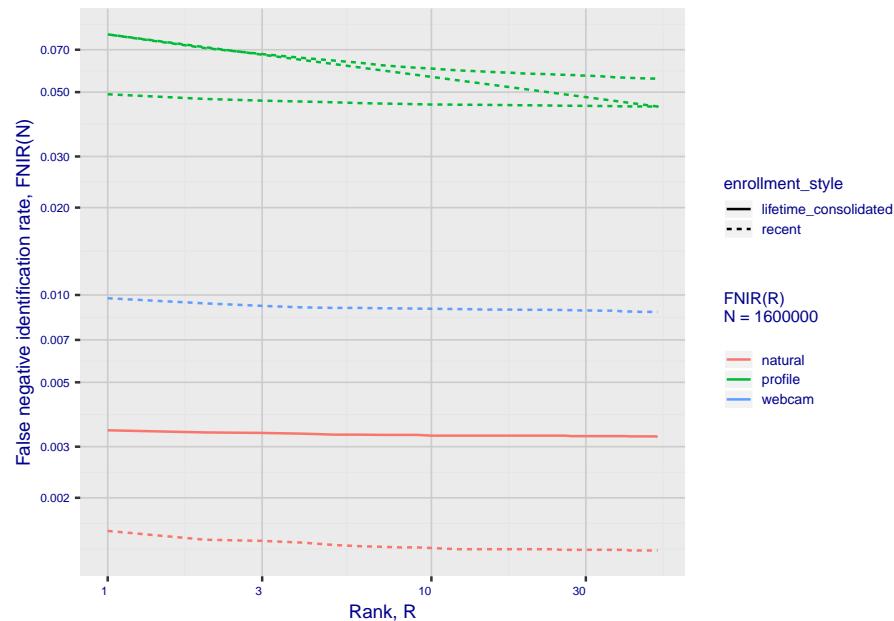


## 2. Report for algorithm paravision\_005 2020-03-20 13:22:15

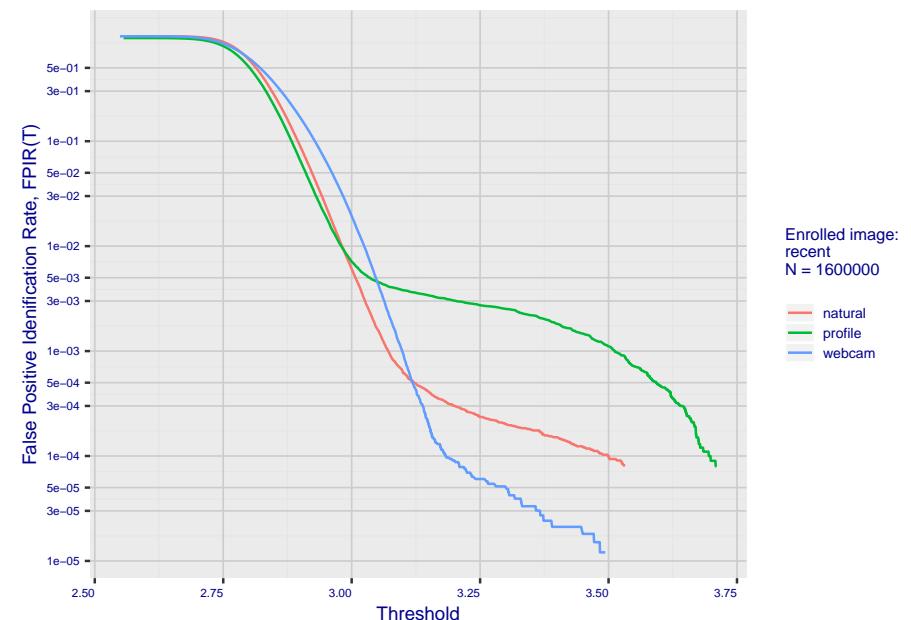
**Fig 5: Dependence on T by number enrolled identities**



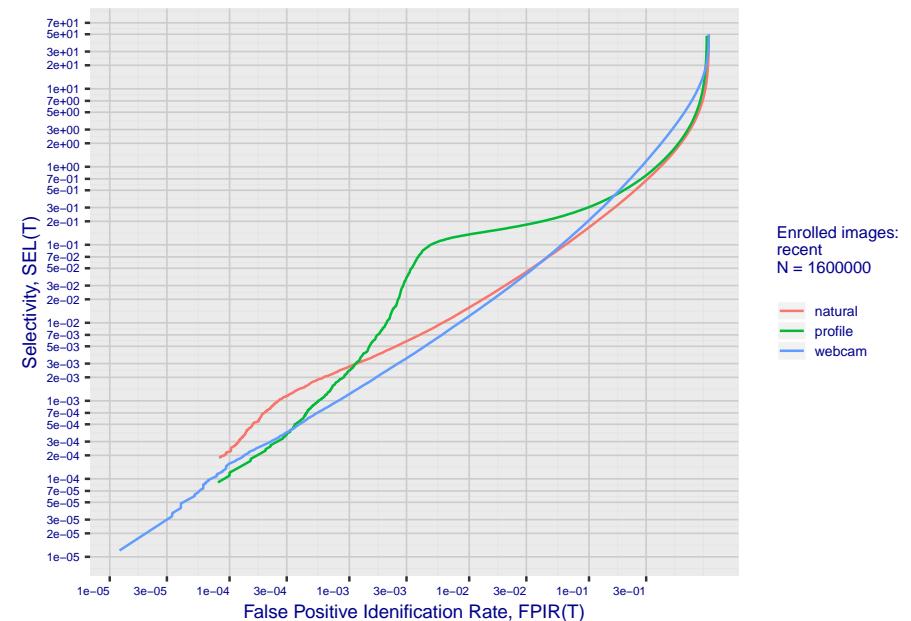
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

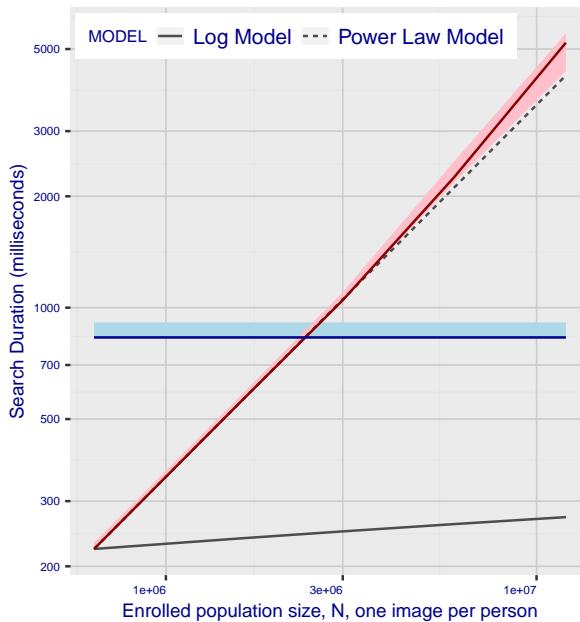


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm paravision\_005 2020-03-20 13:22:15

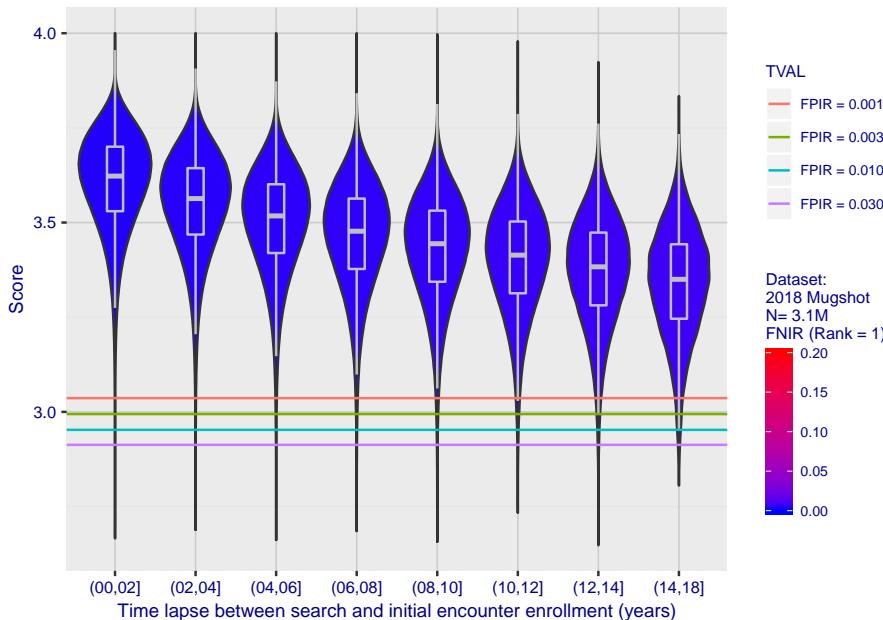
**Fig 10: Template duration; search duration vs. N**



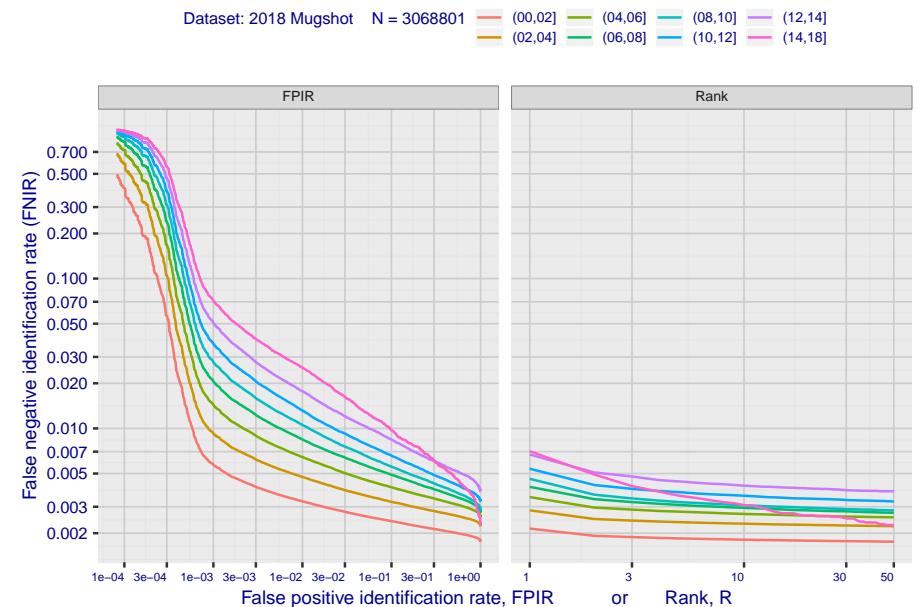
**Fig 11: Datasheet**

Algorithm:	paravision_005
Developer:	Paravision (EverAI)
Submission Date:	2019_12_11
Template size:	4096 bytes
Template time (2.5 percentile):	828 msec
Template time (median):	831 msec
Template time (97.5 percentile):	913 msec
Investigation rank 6 — FNIR(1600000, 0, 1) =	0.0015 vs. lowest 0.0010 from sensetime_003
Identification rank 4 — FNIR(1600000, T, L+1) =	0.0041
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

**Fig 12: Decline of genuine scores with ageing**

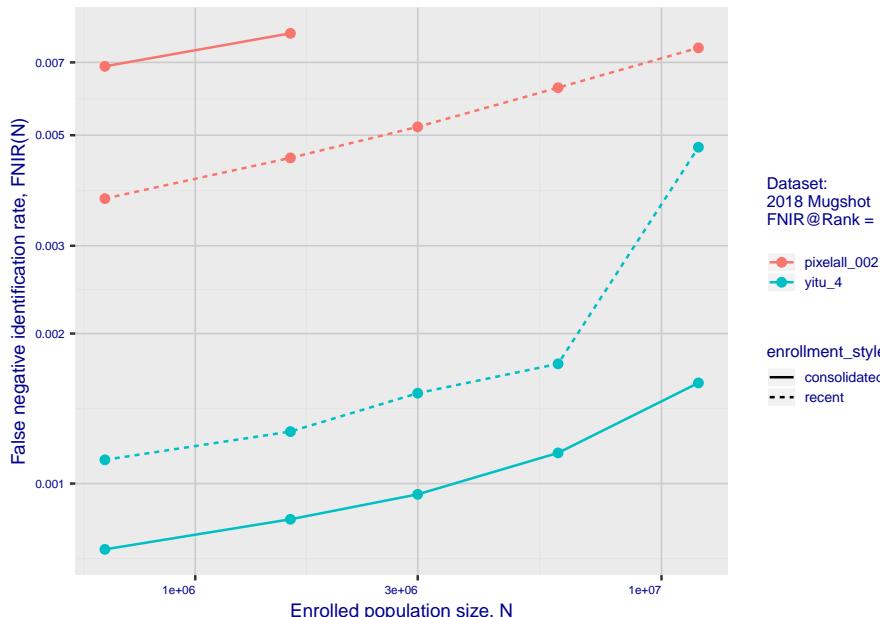


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

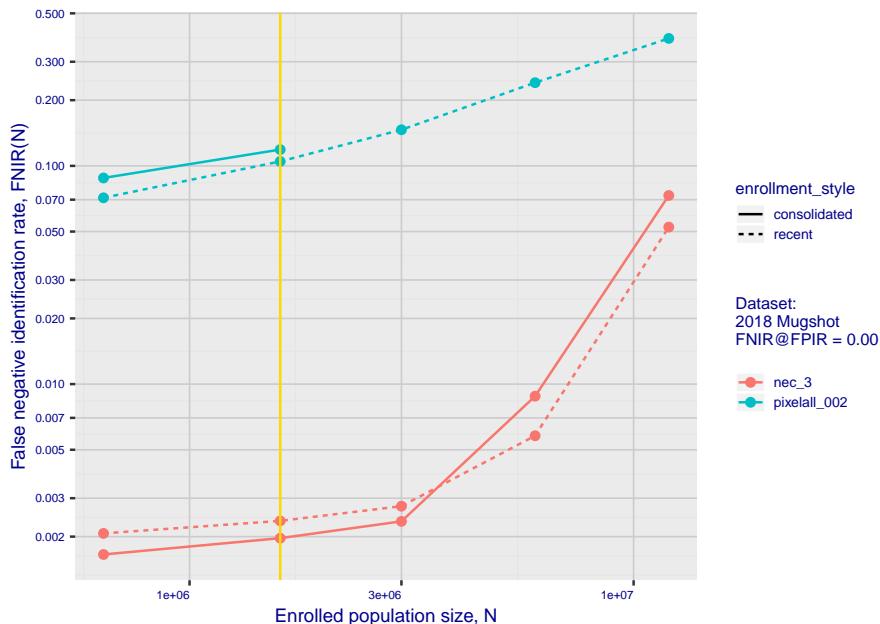


# 1. Report for algorithm pixelall\_002 2020-03-20 13:20:39

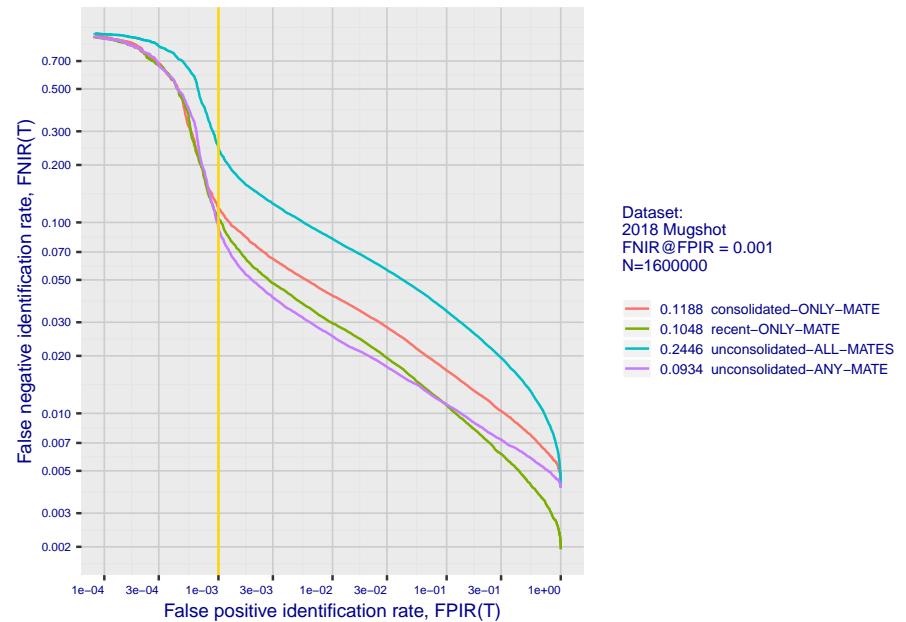
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



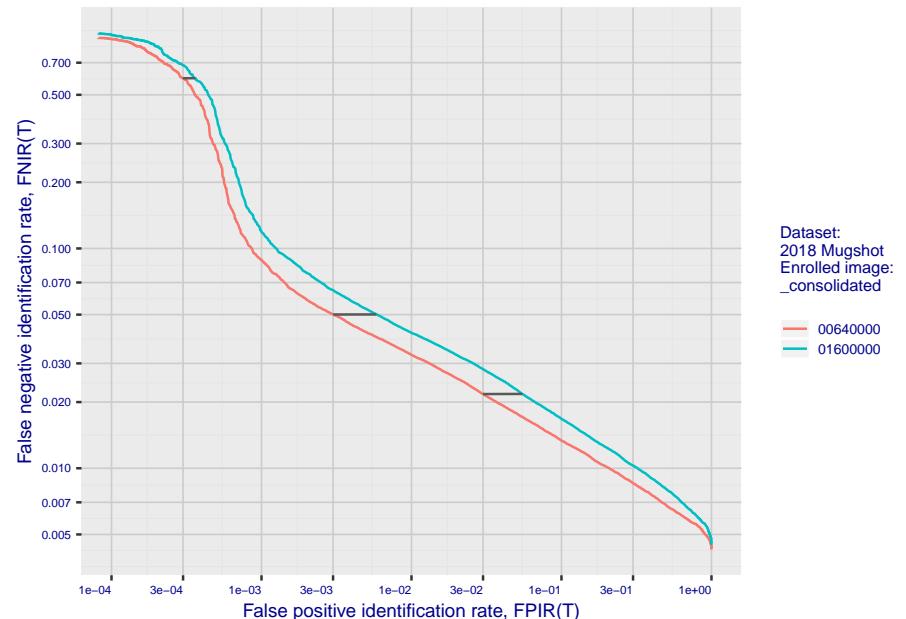
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

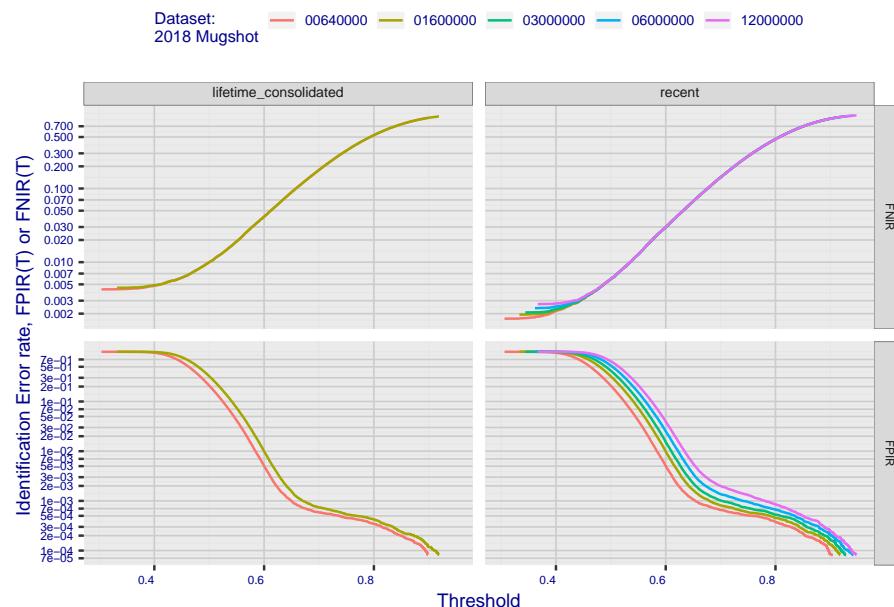


**Fig 4: DET for various N. Links connect points of equal threshold.**

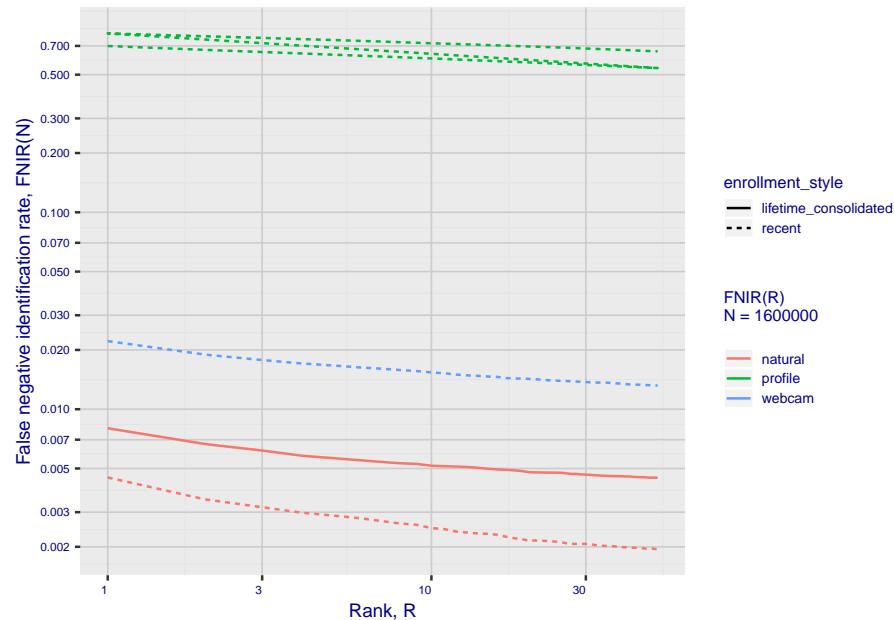


## 2. Report for algorithm pixelall\_002 2020-03-20 13:20:39

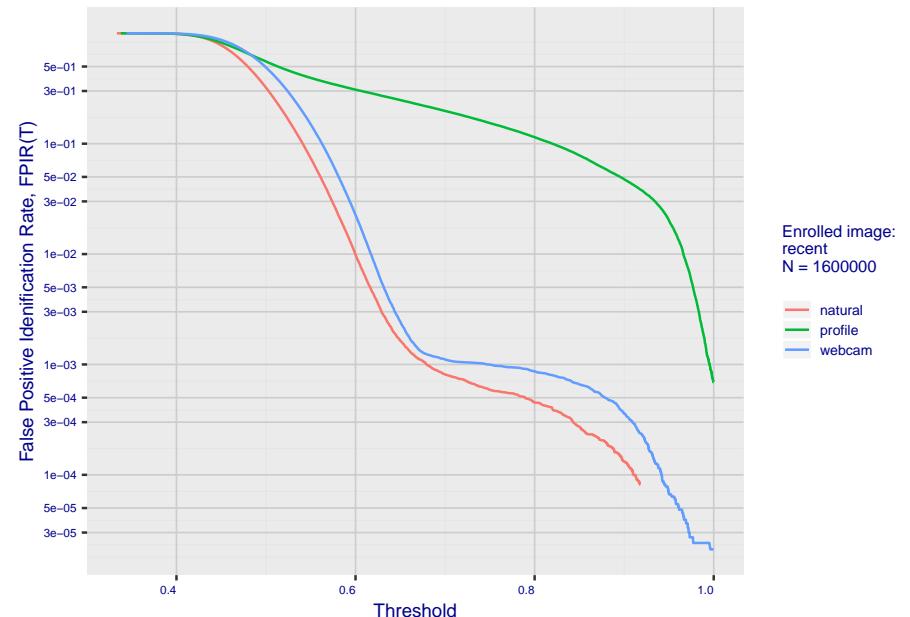
**Fig 5: Dependence on T by number enrolled identities**



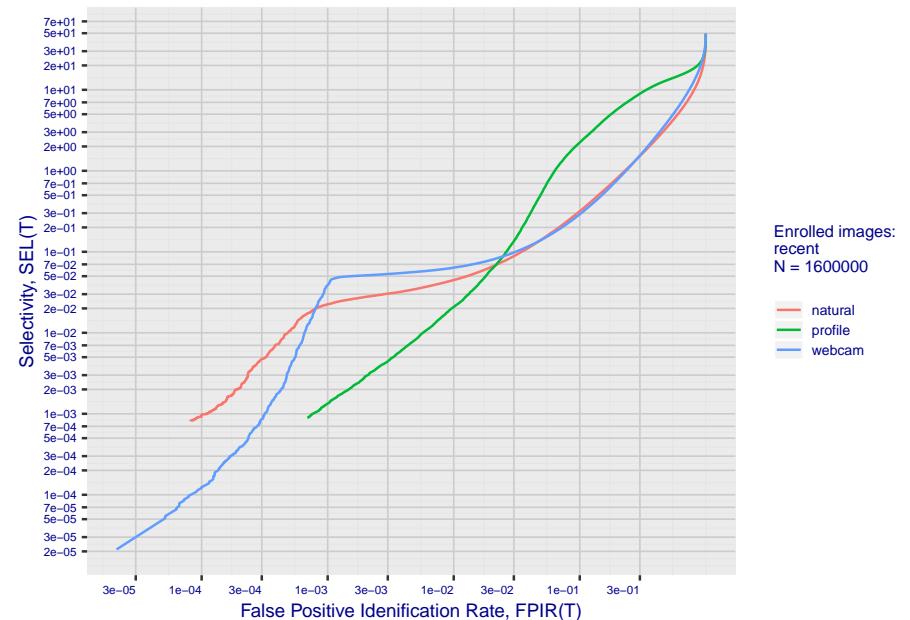
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm pixelall\_002 2020-03-20 13:20:39

Fig 10: Template duration; search duration vs. N

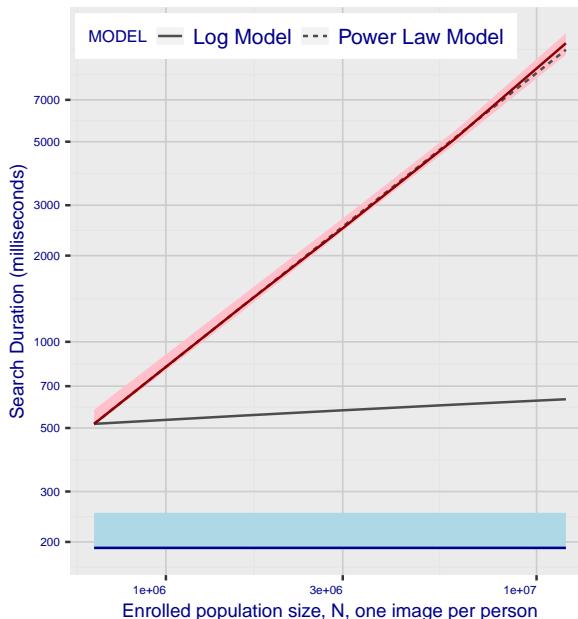
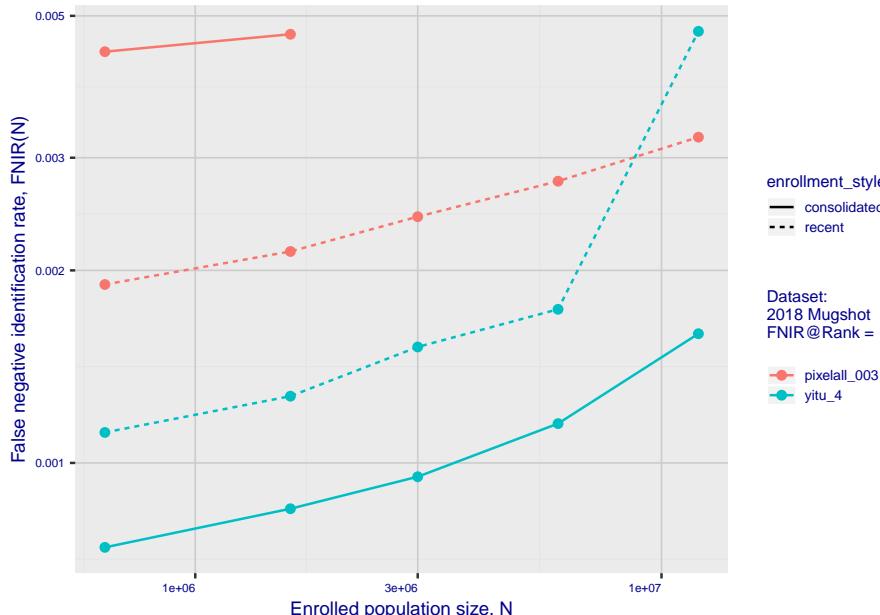


Fig 11: Datasheet

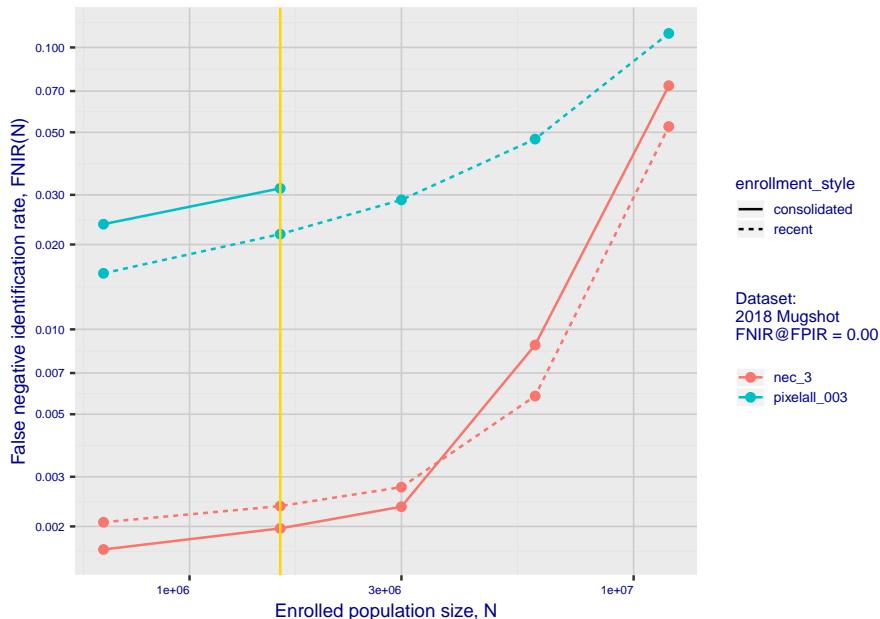
Algorithm: pixelall_002
Developer: Guangzhou Pixel Solutions Co Ltd
Submission Date: 2019_07_01
Template size: 2560 bytes
Template time (2.5 percentile): 188 msec
Template time (median): 191 msec
Template time (97.5 percentile): 253 msec
Investigation rank 51 -- FNIR(1600000, 0, 1) = 0.0045 vs. lowest 0.0010 from sensetime_003
Identification rank 109 -- FNIR(1600000, T, L+1) = 0.1048
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm pixelall\_003 2020-03-20 13:20:38

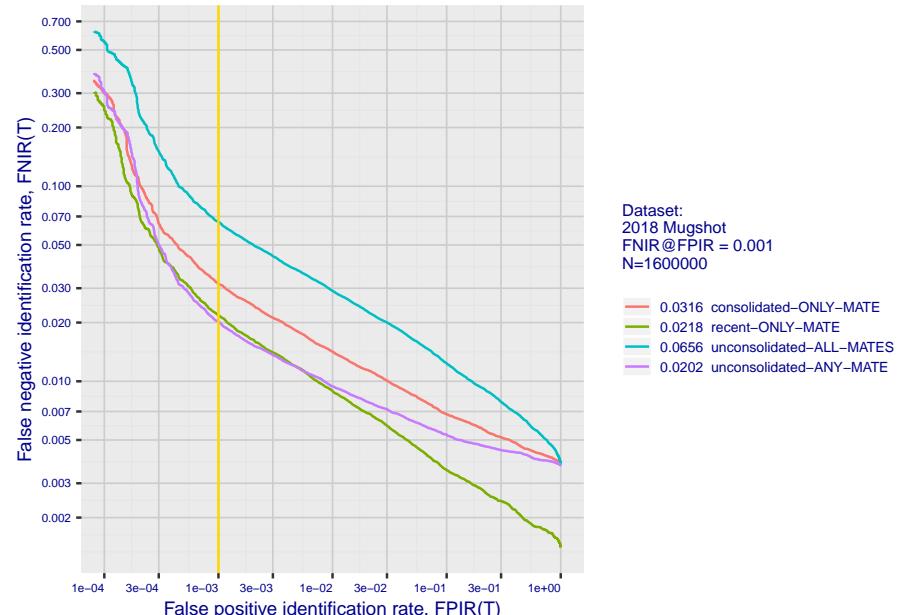
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



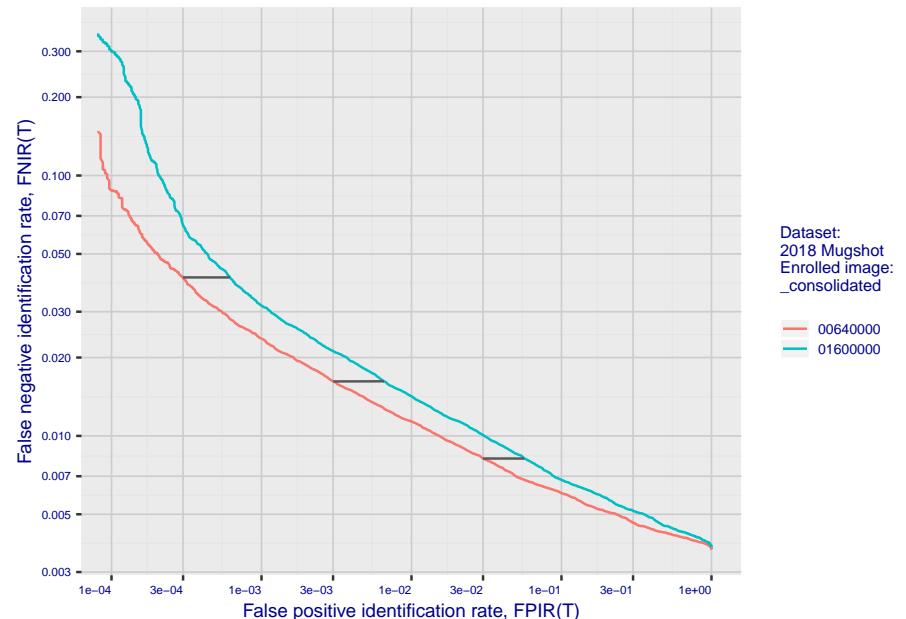
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

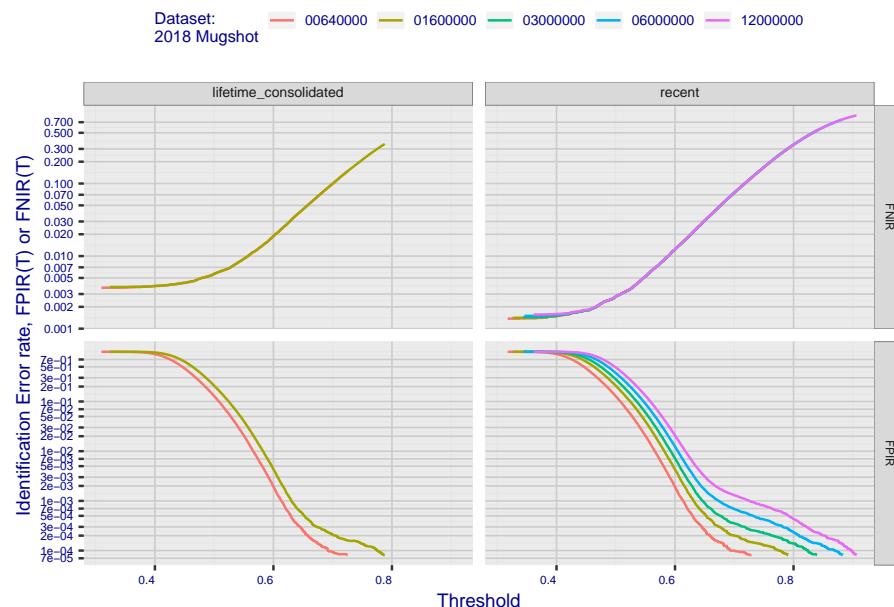


**Fig 4: DET for various N. Links connect points of equal threshold.**

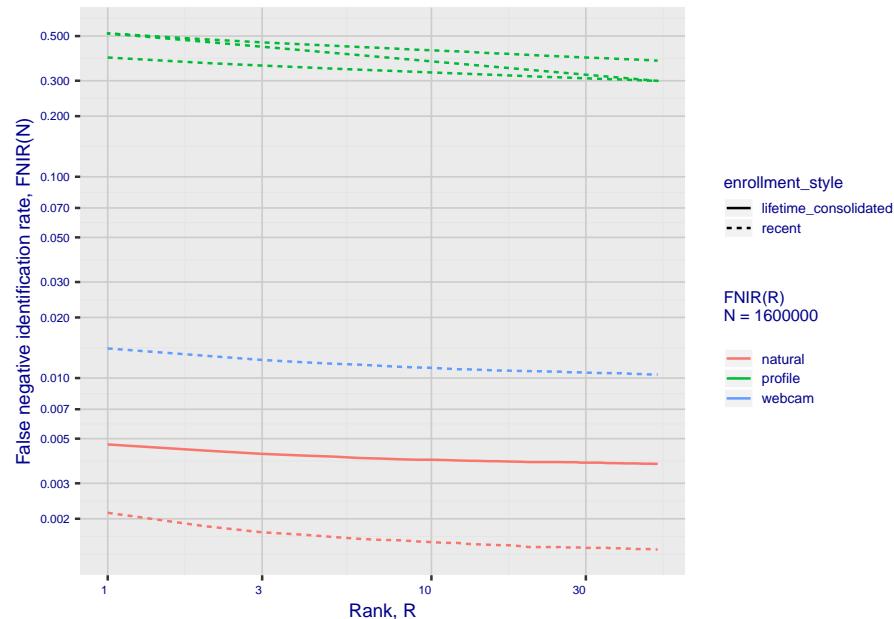


## 2. Report for algorithm pixelall\_003 2020-03-20 13:20:38

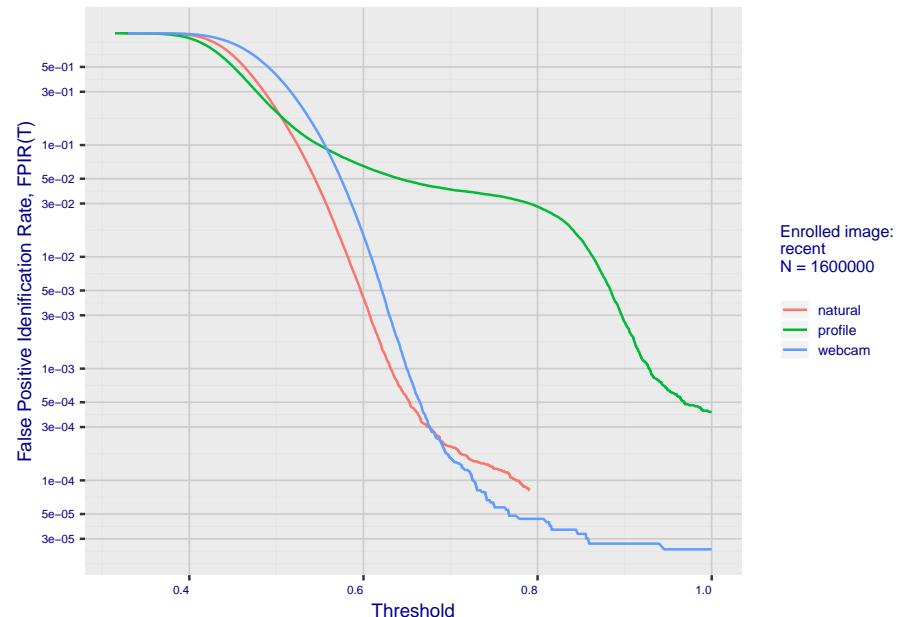
**Fig 5: Dependence on T by number enrolled identities**



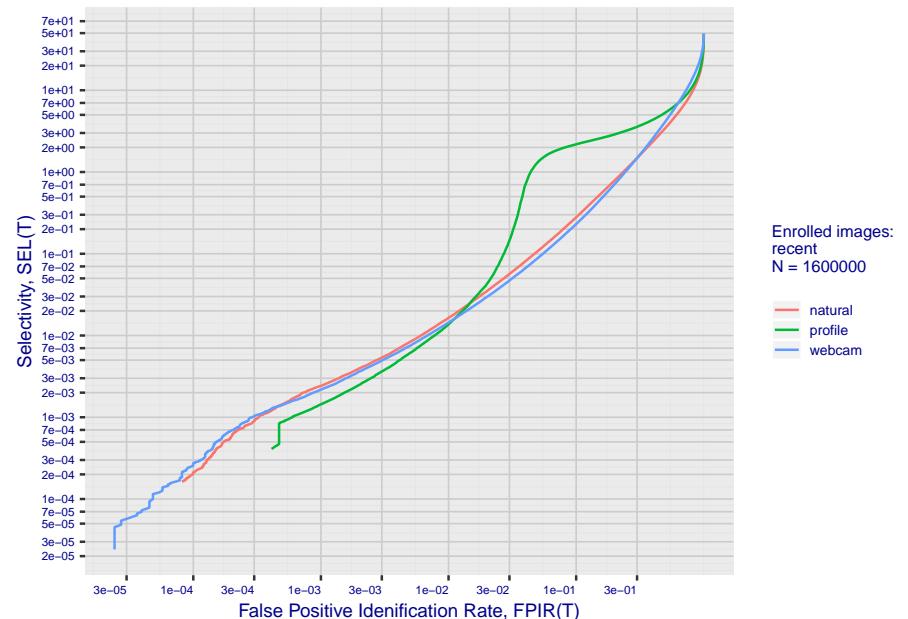
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm pixelall\_003 2020-03-20 13:20:38

Fig 10: Template duration; search duration vs. N

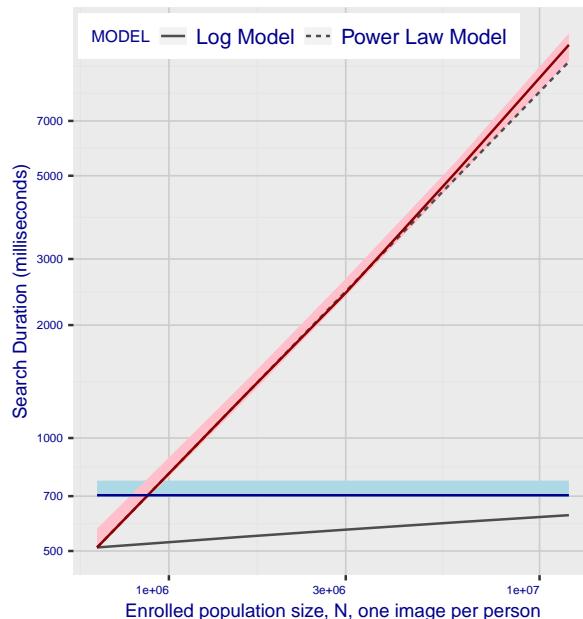
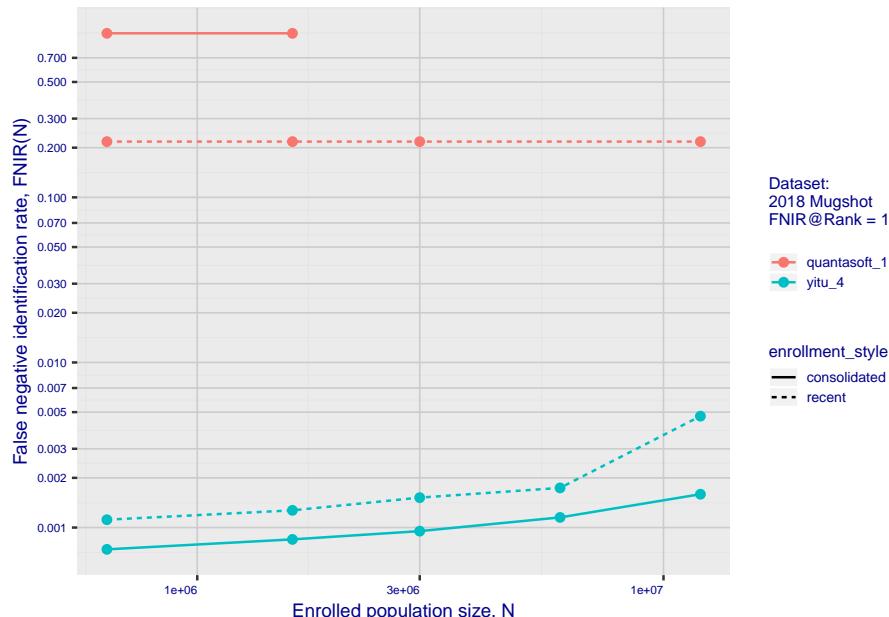


Fig 11: Datasheet

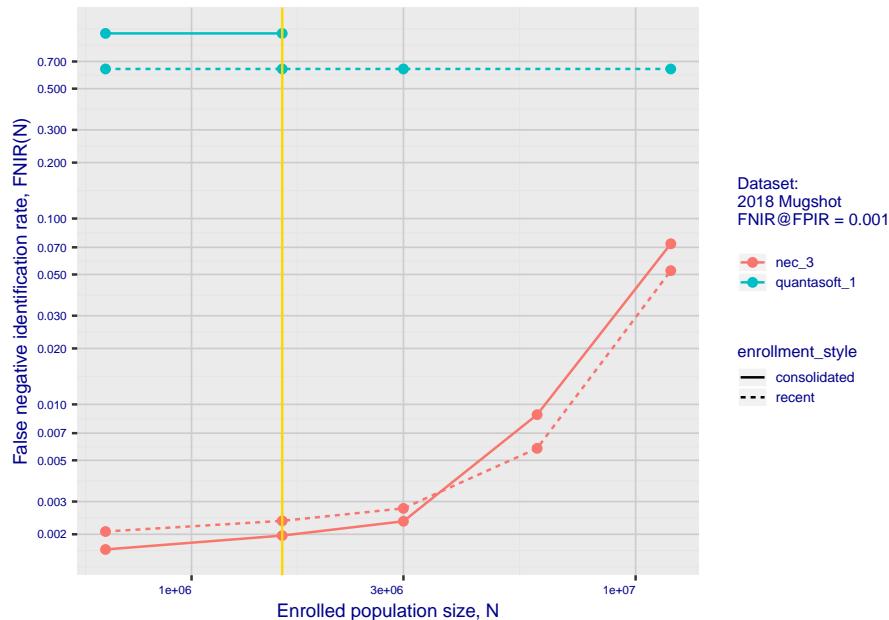
Algorithm: pixelall_003
Developer: Guangzhou Pixel Solutions Co Ltd
Submission Date: 2019_11_05
Template size: 2560 bytes
Template time (2.5 percentile): 696 msec
Template time (median): 704 msec
Template time (97.5 percentile): 770 msec
Investigation rank 19 --- FNIR(1600000, 0, 1) = 0.0021 vs. lowest 0.0010 from sensetime_003
Identification rank 19 --- FNIR(1600000, T, L+1) = 0.0218
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm quantasoft\_1 2020-03-20 13:20:24

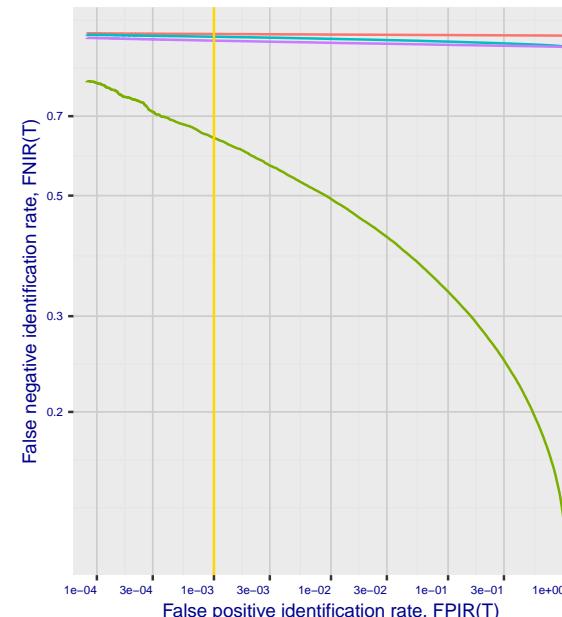
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



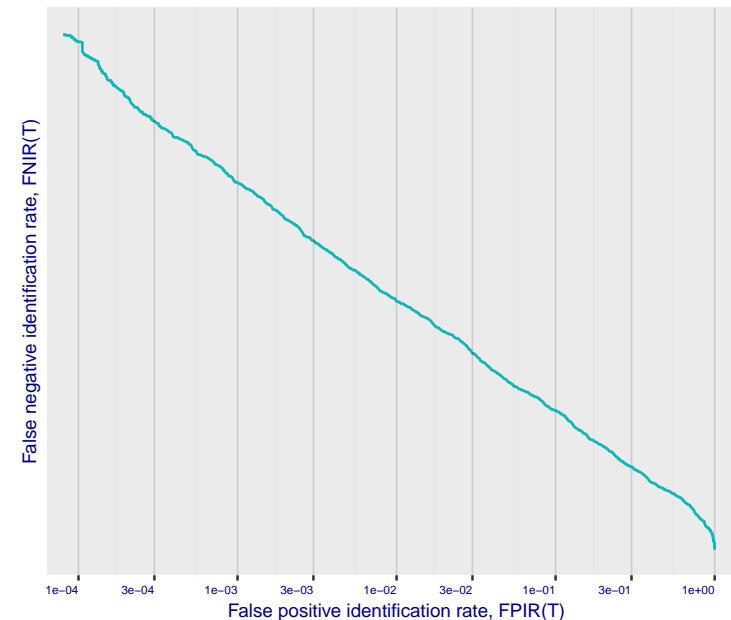
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

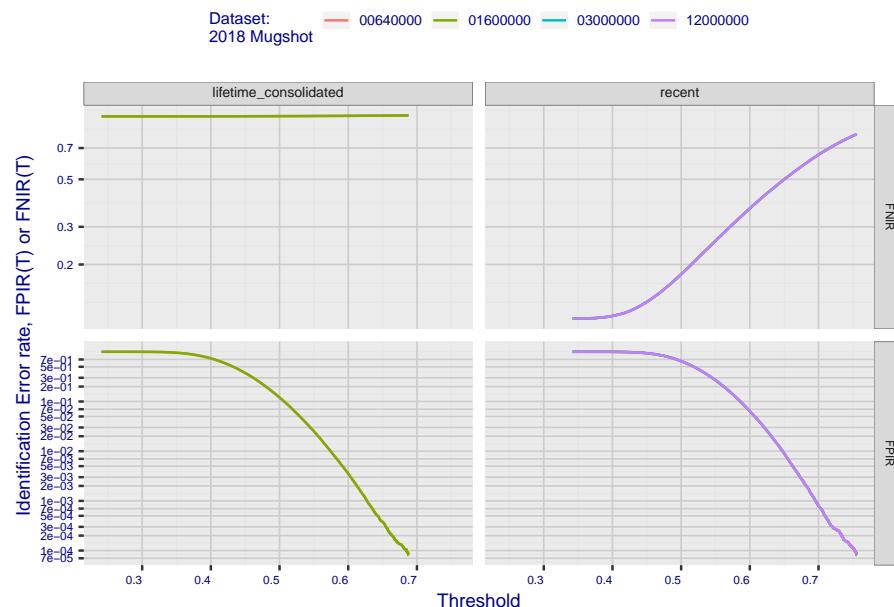


**Fig 4: DET for various N. Links connect points of equal threshold.**

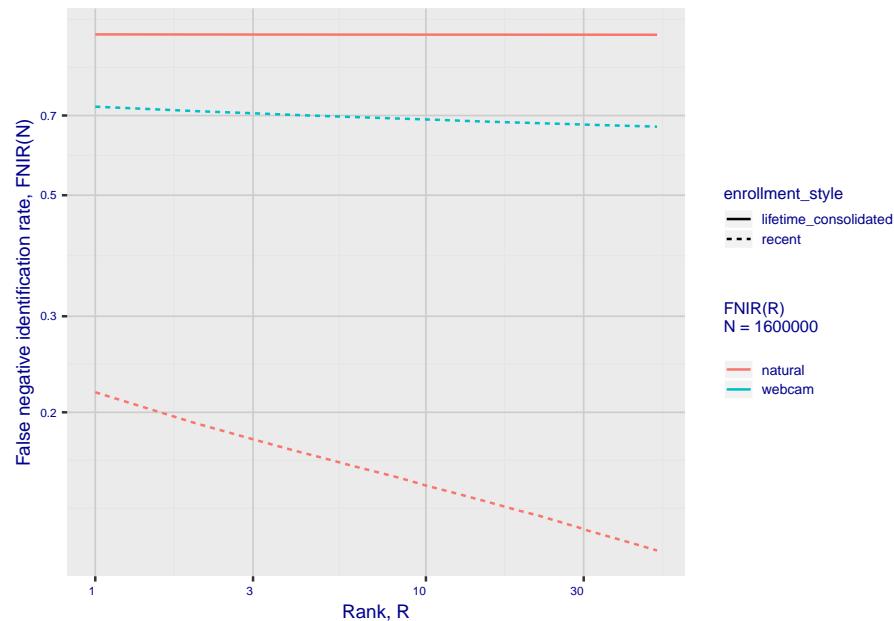


## 2. Report for algorithm quantasoft\_1 2020-03-20 13:20:24

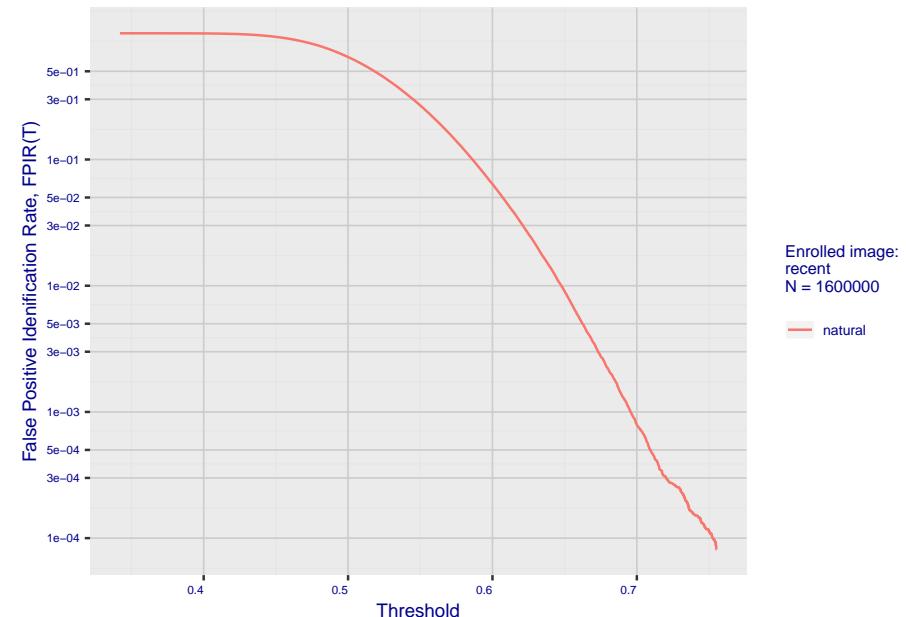
**Fig 5: Dependence on T by number enrolled identities**



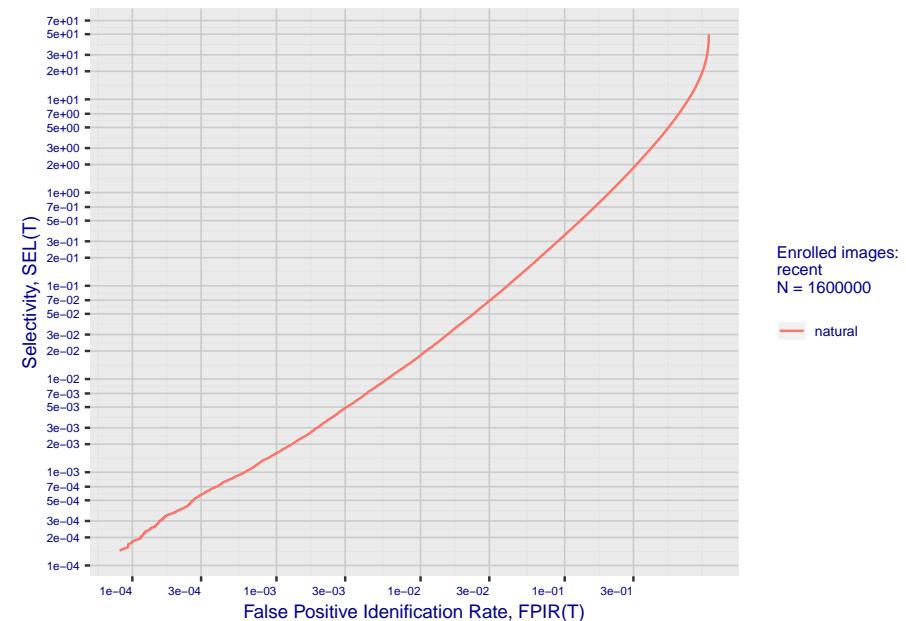
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm quantasoft\_1 2020-03-20 13:20:24

Fig 10: Template duration; search duration vs. N

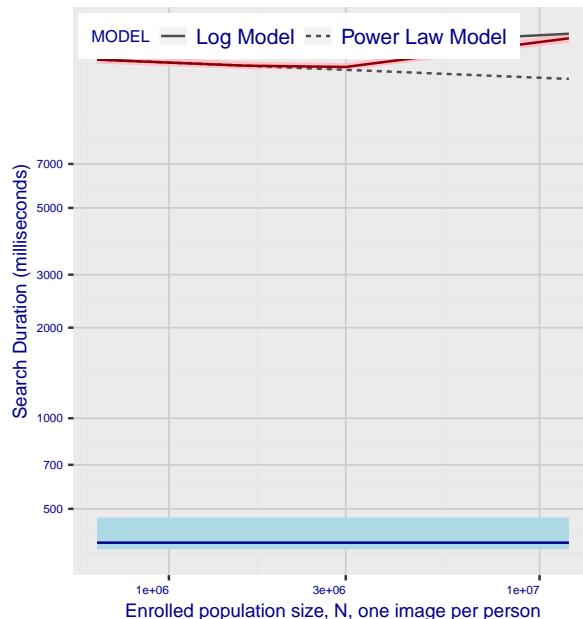
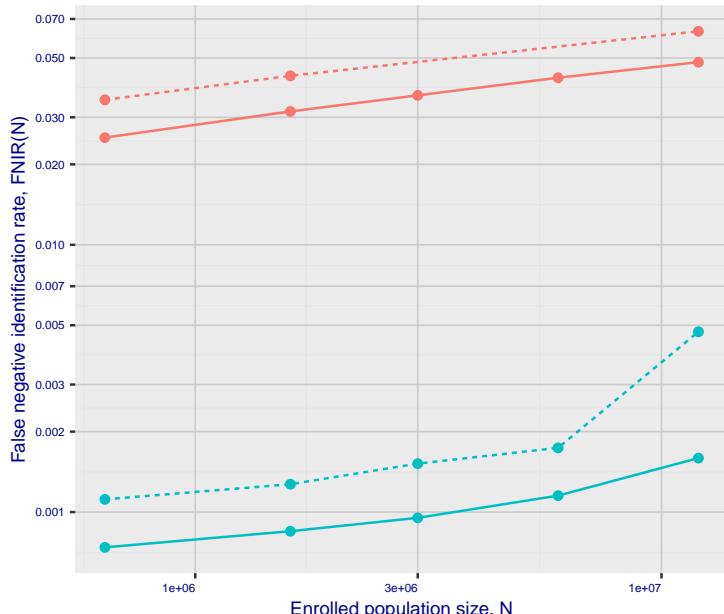


Fig 11: Datasheet

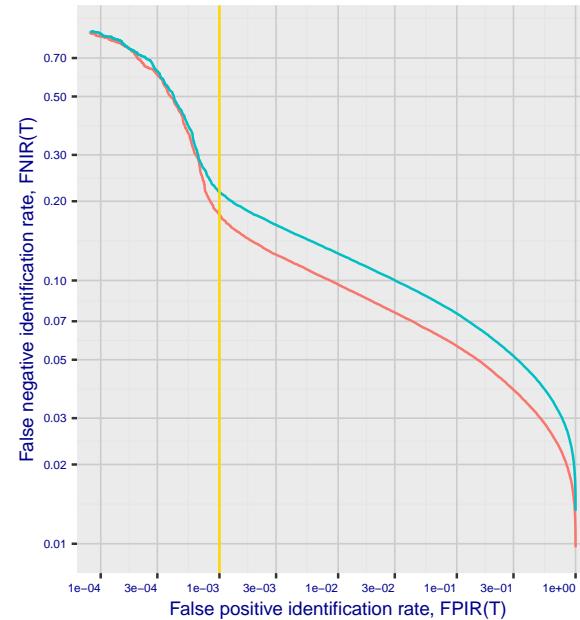
Algorithm:	quantasoft_1
Developer:	Quantasoft
Submission Date:	2018_10_30
Template size:	2048 bytes
Template time (2.5 percentile):	367 msec
Template time (median):	386 msec
Template time (97.5 percentile):	467 msec
Investigation rank 212 -- FNIR(1600000, 0, 1) = 0.2177 vs. lowest 0.0010 from sen	
Identification rank 205 -- FNIR(1600000, T, L+1) = 0.6382	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm rankone\_0 2020-03-20 13:15:14

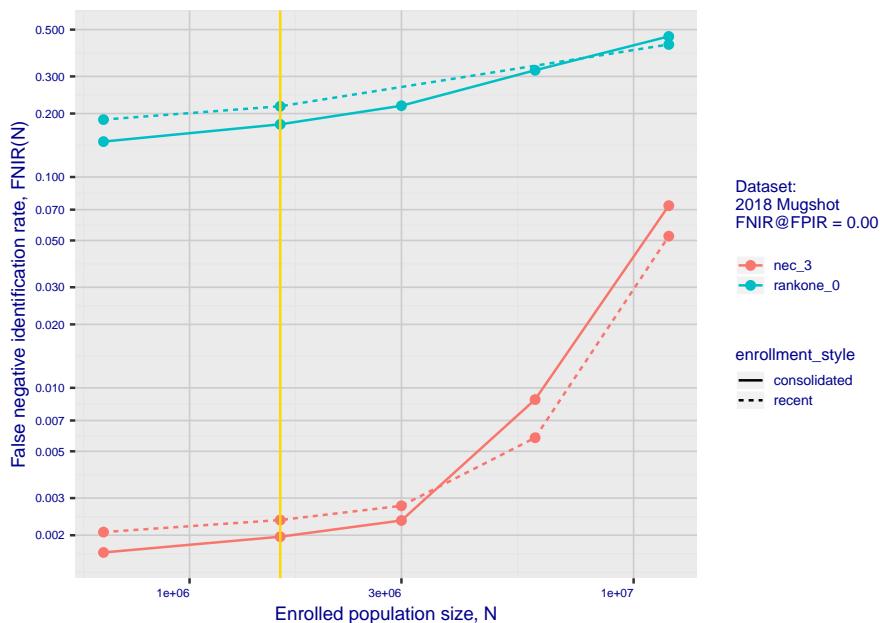
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



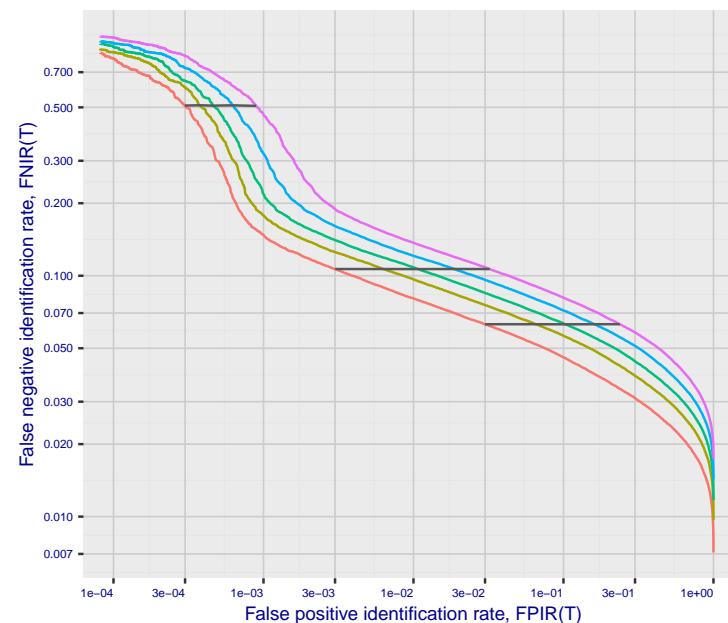
**Fig 2: DETs by enrollment type**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 4: DET for various N. Links connect points of equal threshold.**

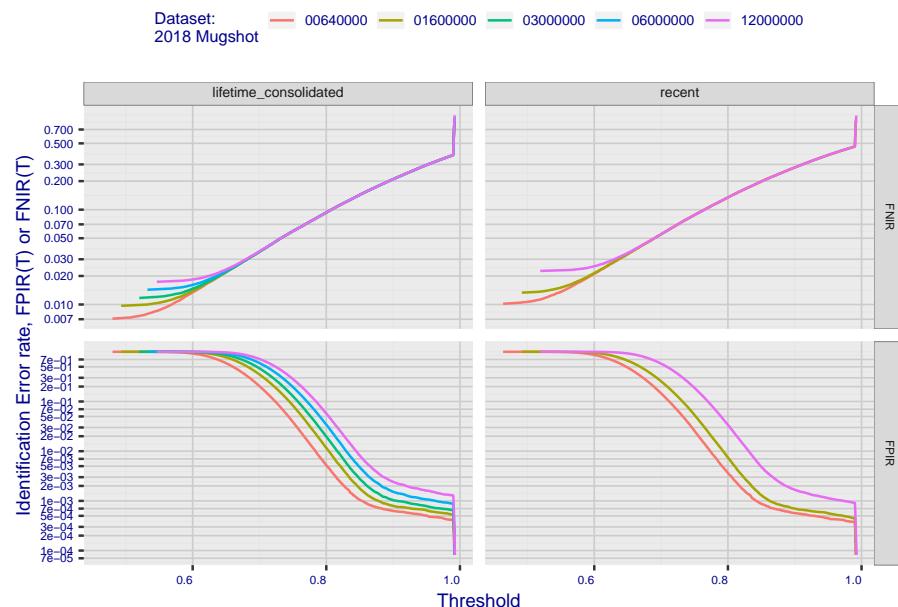


Dataset:  
2018 Mugshot  
Enrolled image:  
\_consolidated

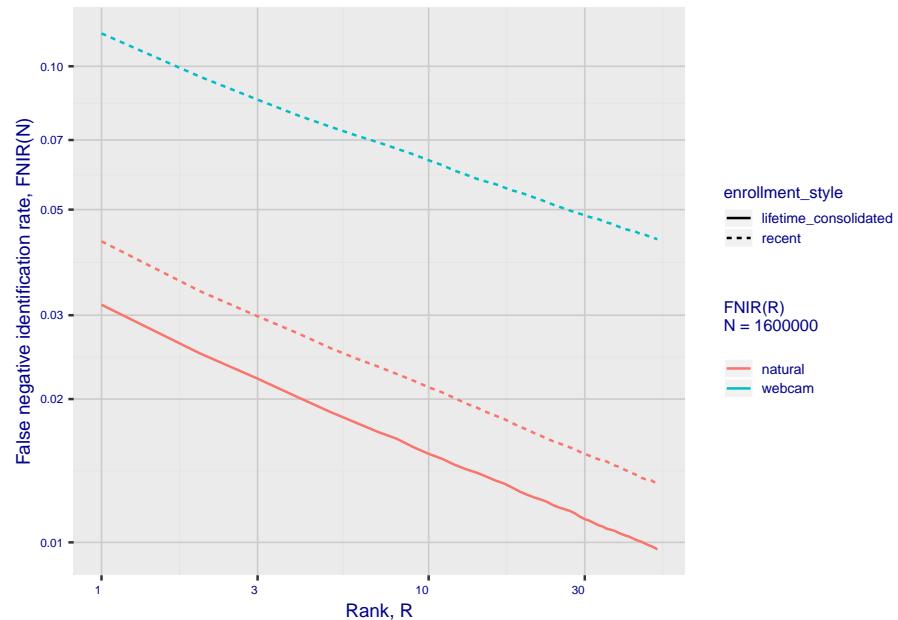
0064000  
0160000  
0300000  
0600000  
1200000

## 2. Report for algorithm rankone\_0 2020-03-20 13:15:14

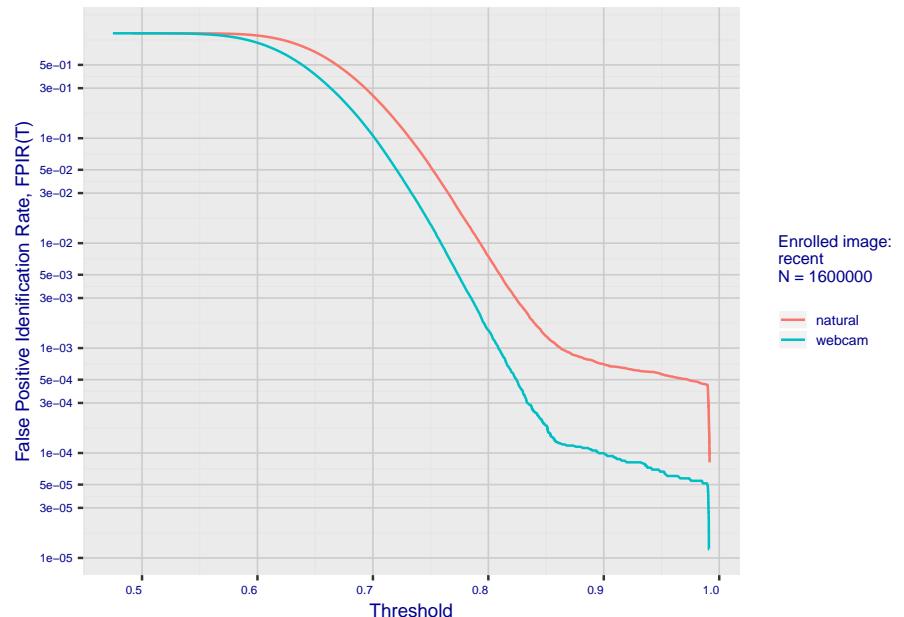
**Fig 5: Dependence on T by number enrolled identities**



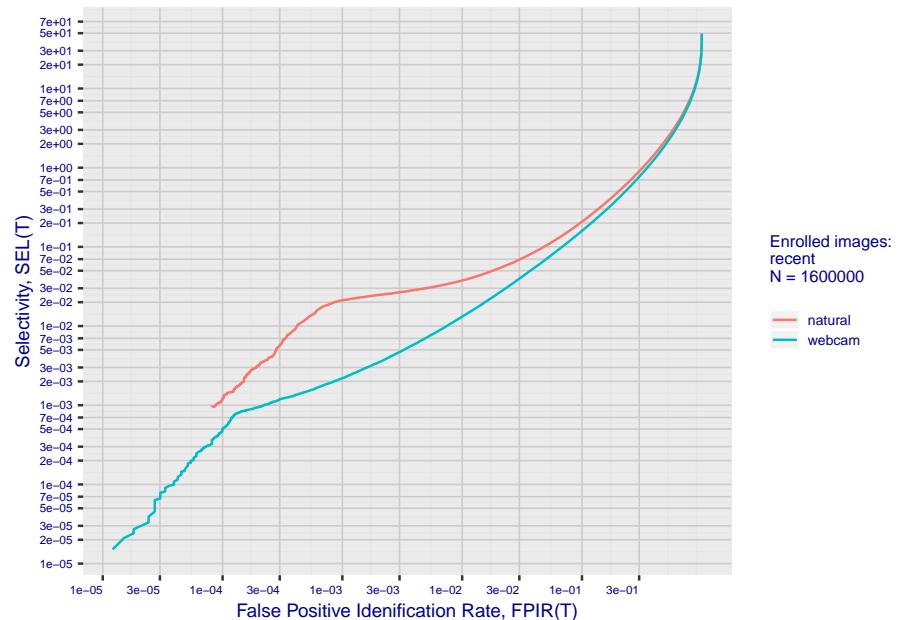
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

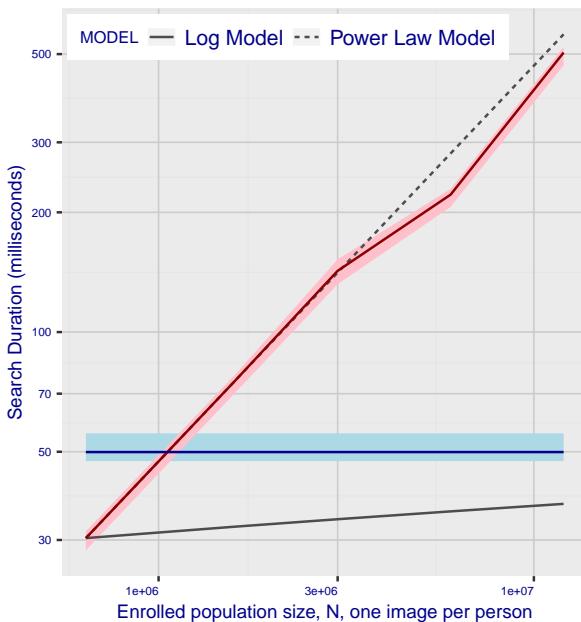


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm rankone\_0 2020-03-20 13:15:14

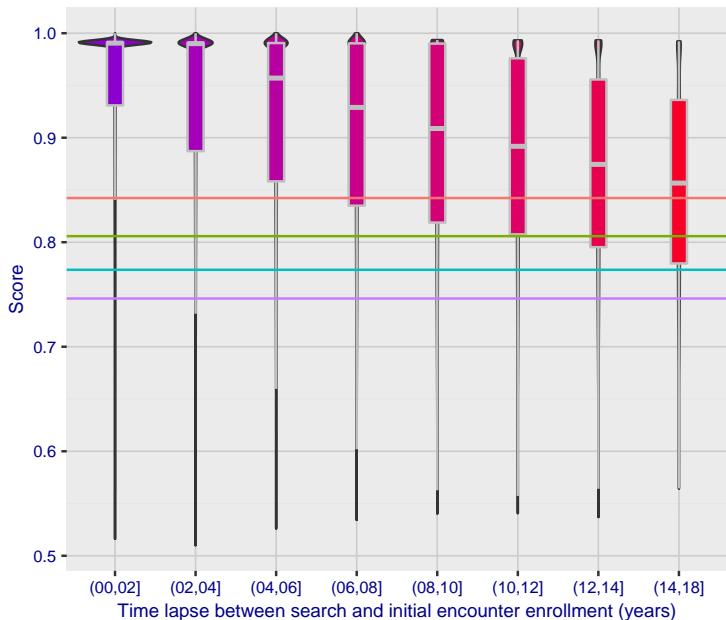
**Fig 10: Template duration; search duration vs. N**



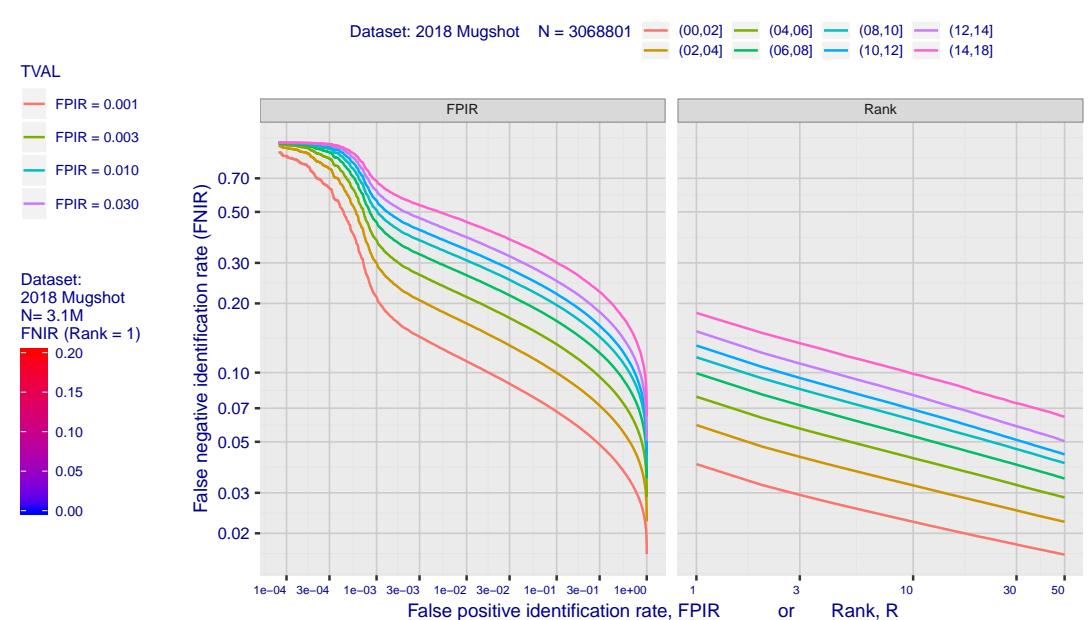
**Fig 11: Datasheet**

Algorithm: rankone_0
Developer: Rank One Computing
Submission Date: 2018_02_07
Template size: 228 bytes
Template time (2.5 percentile): 47 msec
Template time (median): 50 msec
Template time (97.5 percentile): 56 msec
Investigation rank 168 -- FNIR(160000, 0, 1) = 0.0429 vs. lowest 0.0010 from sensetime_003
Identification rank 149 -- FNIR(160000, T, L+1) = 0.2165
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

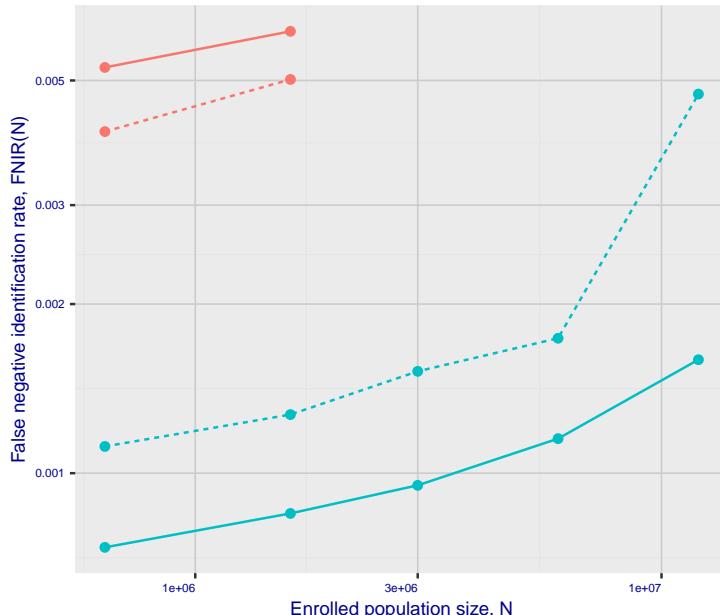


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

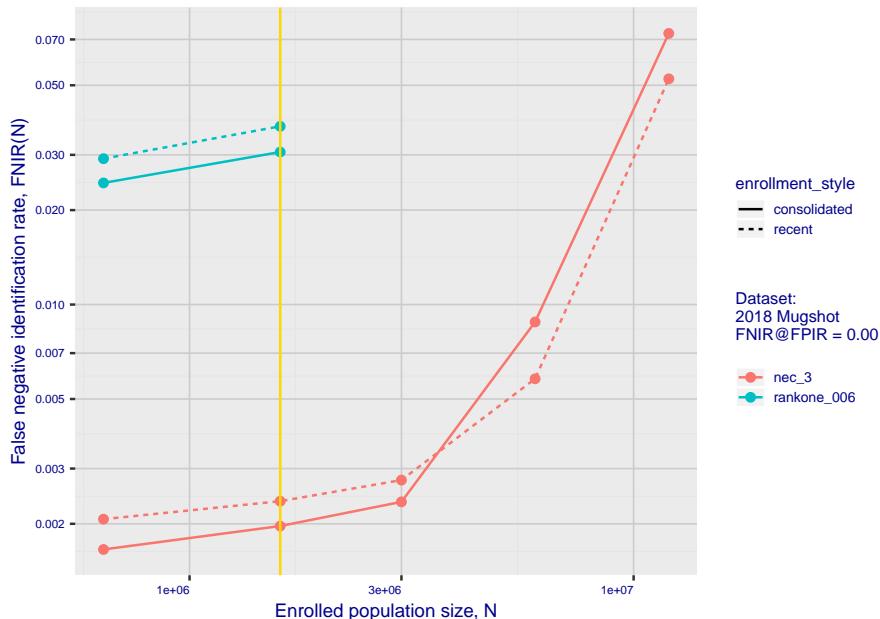


# 1. Report for algorithm rankone\_006 2020-03-20 13:25:33

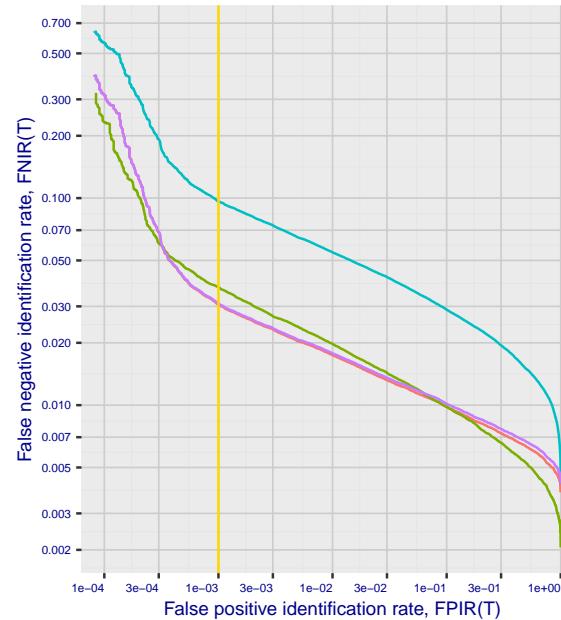
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



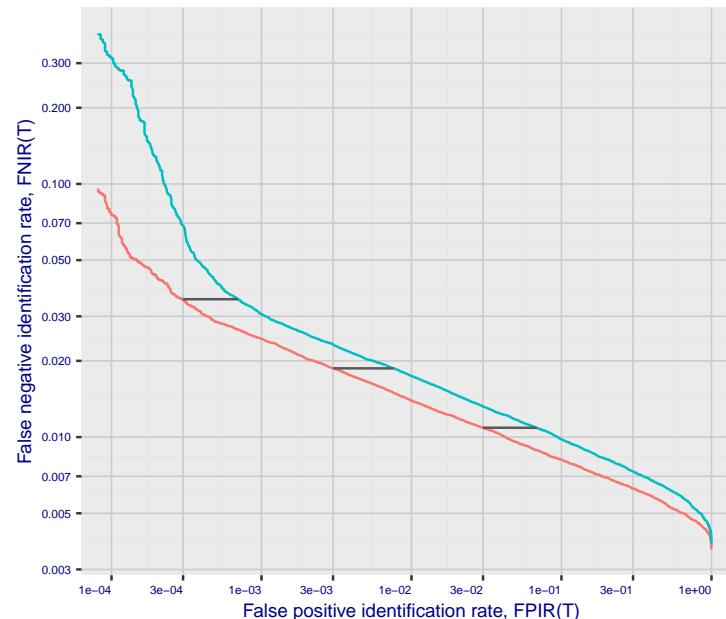
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**



Dataset:

2018 Mugshot

FNIR@FPIR = 0.001

N=1600000

0.0306 consolidated-ONLY-MATE

0.0370 recent-ONLY-MATE

0.0965 unconsolidated-ALL-MATES

0.0310 unconsolidated-ANY-MATE

Dataset:

2018 Mugshot

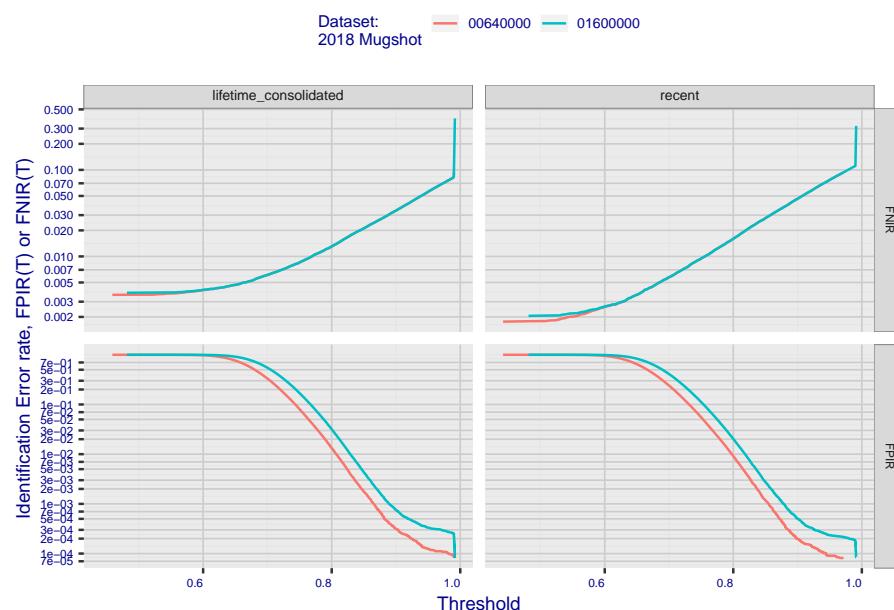
Enrolled image: \_consolidated

00640000

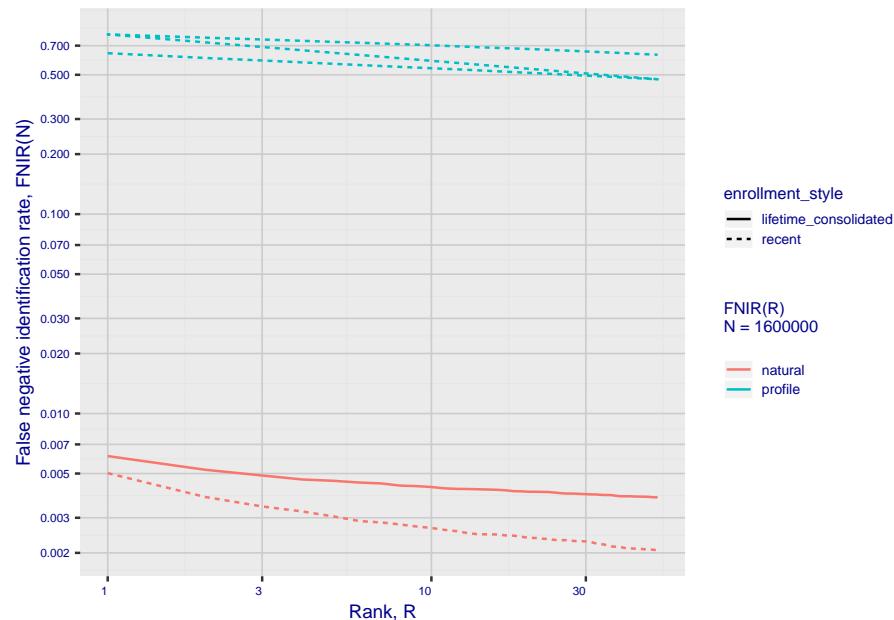
01600000

## 2. Report for algorithm rankone\_006 2020-03-20 13:25:33

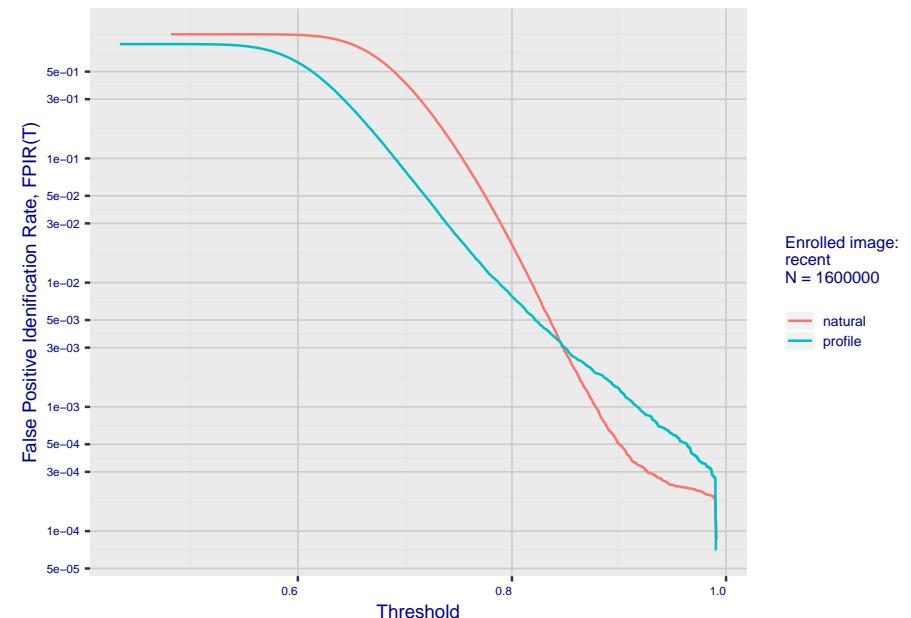
**Fig 5: Dependence on T by number enrolled identities**



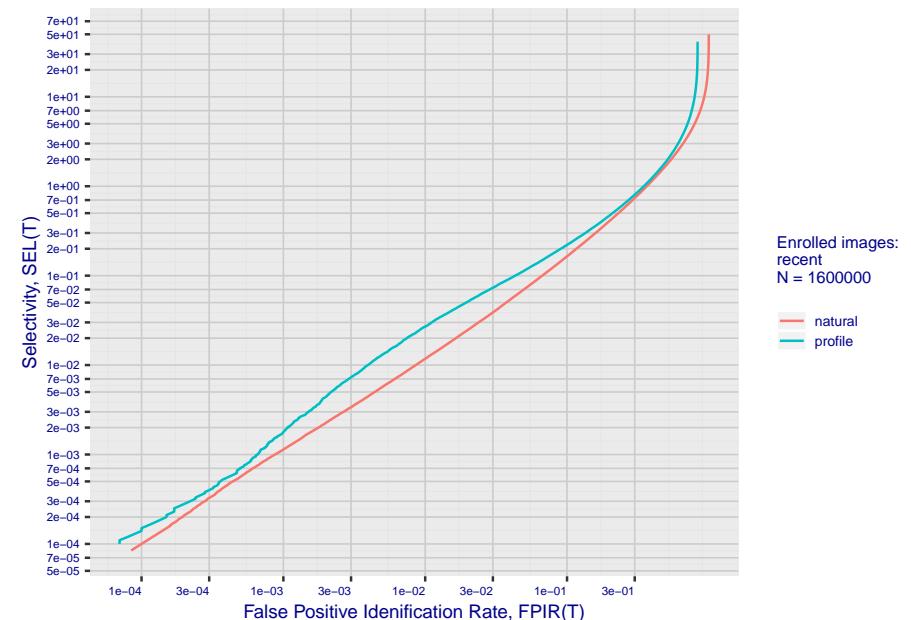
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

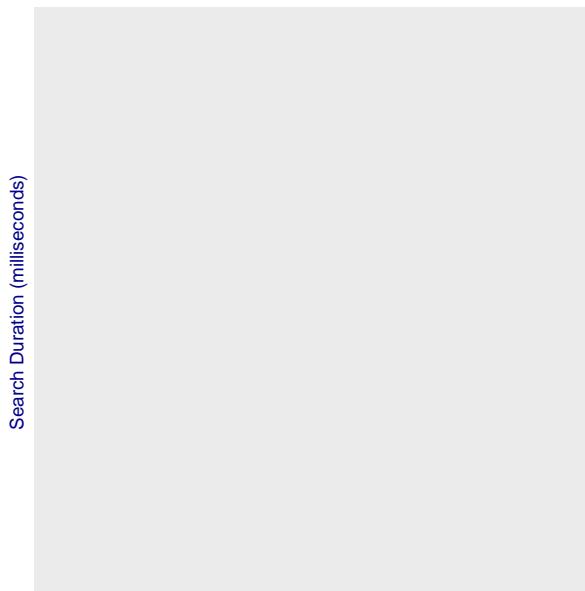


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm rankone\_006 2020-03-20 13:25:33

**Fig 10: Template duration; search duration vs. N**

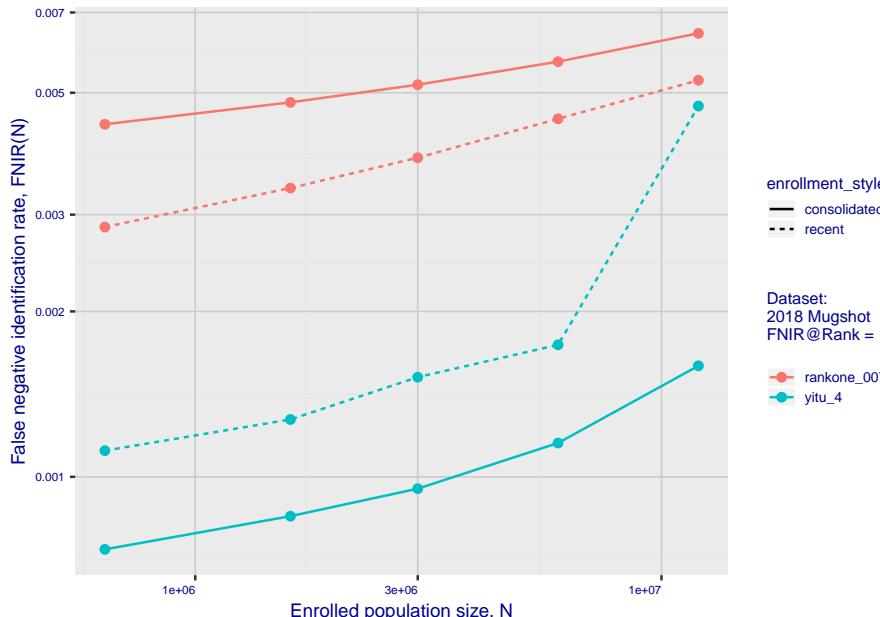


**Fig 11: Datasheet**

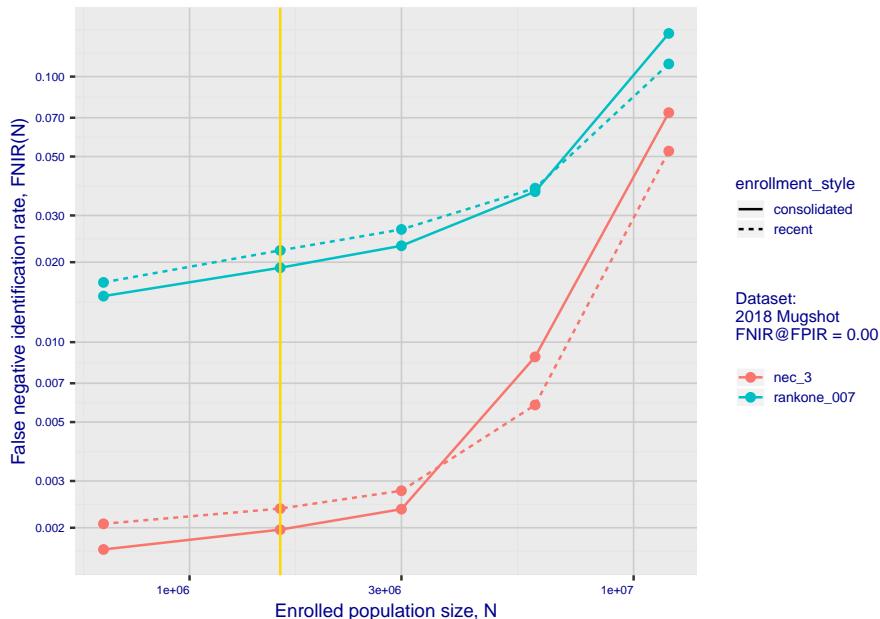
Algorithm: rankone\_006  
Developer: Rank One Computing  
Submission Date: 2019\_06\_03  
Investigation rank 60 --- FNIR(1600000, 0, 1) = 0.0050 vs. lowest 0.0010 from sens  
Identification rank 36 --- FNIR(1600000, T, L+1) = 0.0370  
FPIR = 0.001 vs. lowest 0.0018 from sensetime\_003

# 1. Report for algorithm rankone\_007 2020-03-20 13:18:39

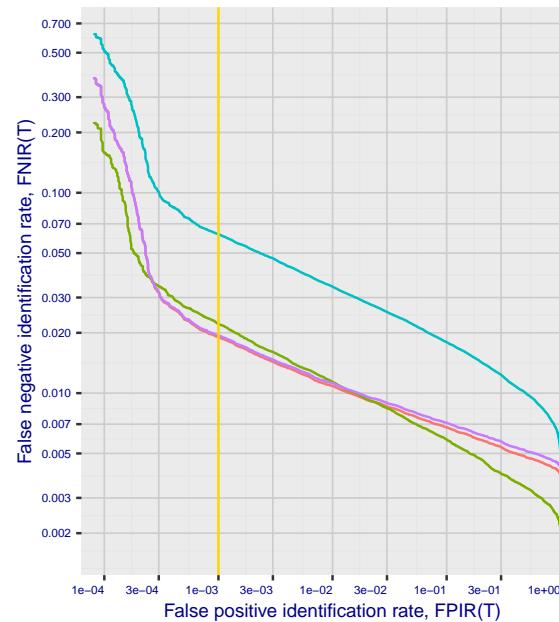
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



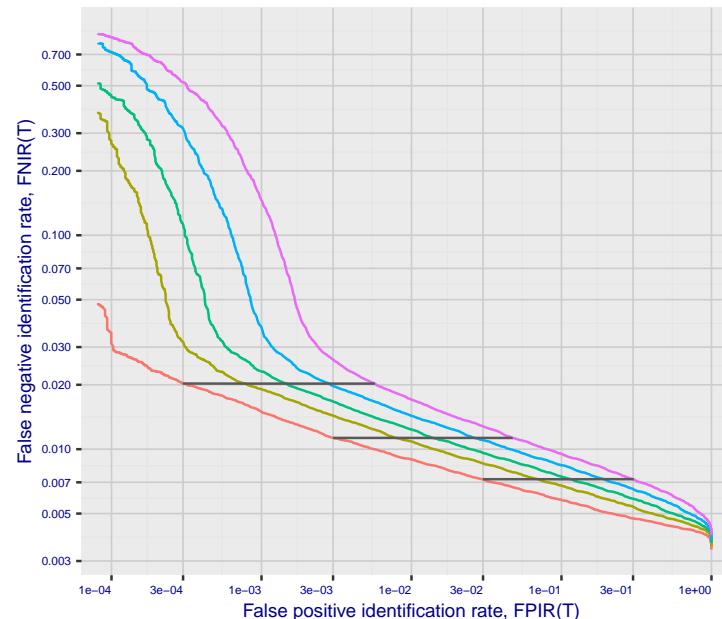
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

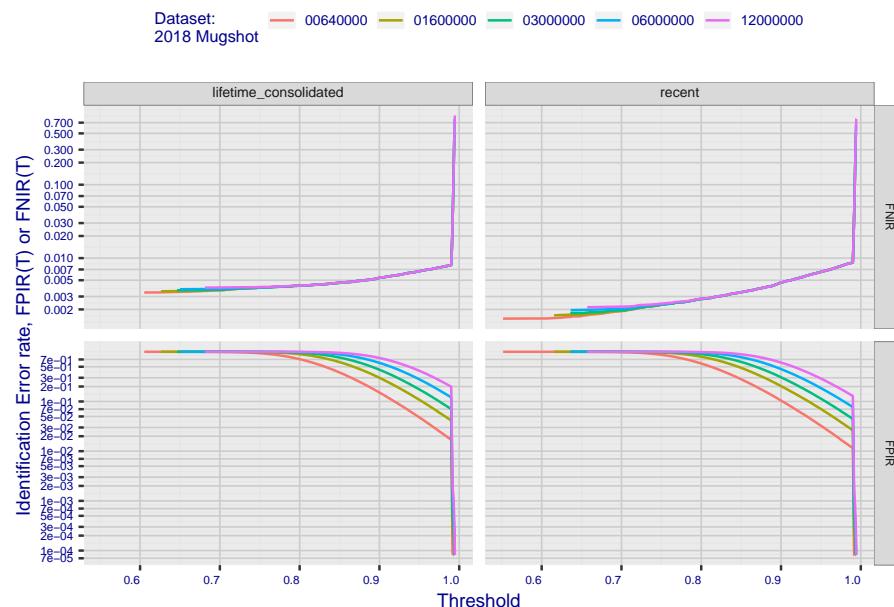


**Fig 4: DET for various N. Links connect points of equal threshold.**

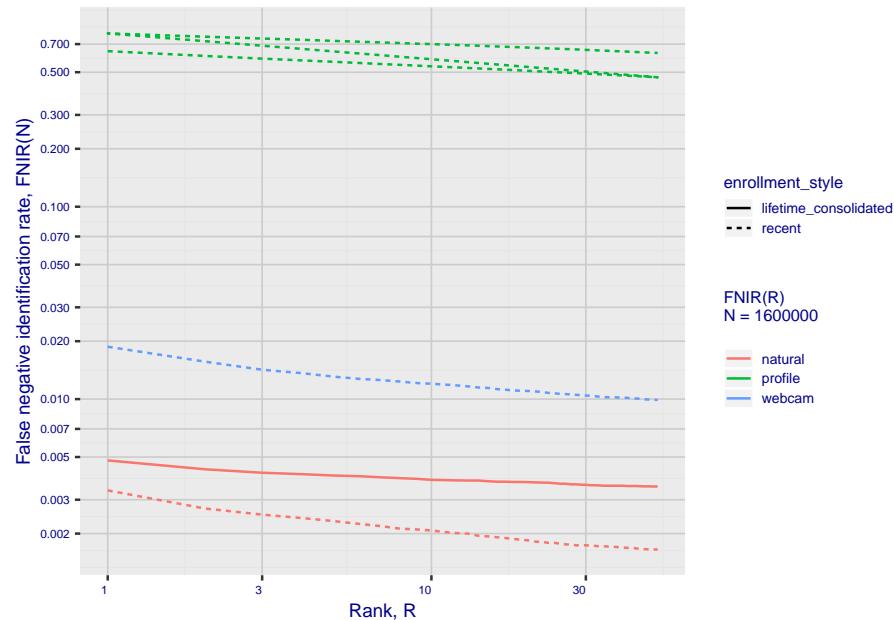


## 2. Report for algorithm rankone\_007 2020-03-20 13:18:39

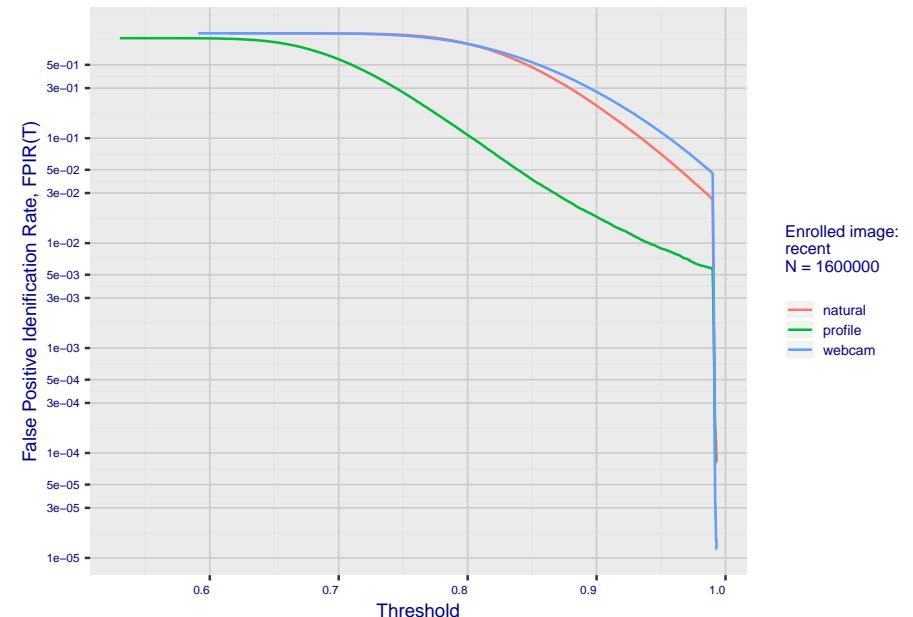
**Fig 5: Dependence on T by number enrolled identities**



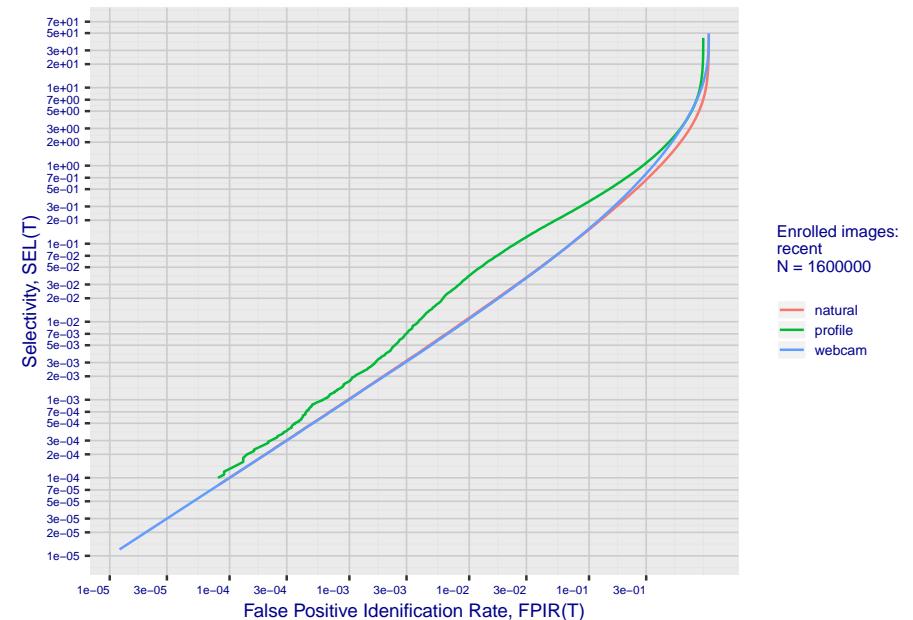
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm rankone\_007 2020-03-20 13:18:39

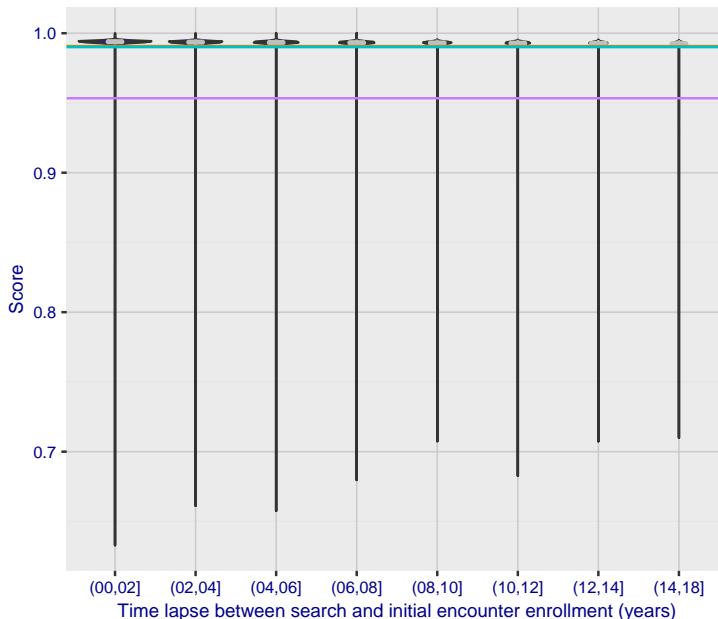
**Fig 10: Template duration; search duration vs. N**



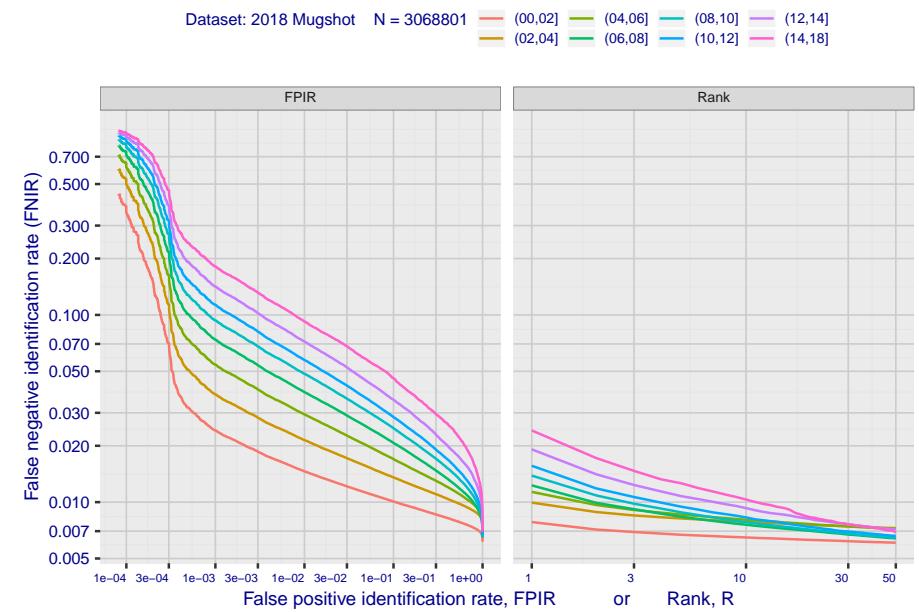
**Fig 11: Datasheet**

Algorithm:	rankone_007
Developer:	Rank One Computing
Submission Date:	2019_11_12
Template size:	165 bytes
Template time (2.5 percentile):	268 msec
Template time (median):	273 msec
Template time (97.5 percentile):	303 msec
Investigation rank 33 -- FNIR(1600000, 0, 1) = 0.0034 vs. lowest 0.0010 from sensetime_003	
Identification rank 21 -- FNIR(1600000, T, L+1) = 0.0222	
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

**Fig 12: Decline of genuine scores with ageing**

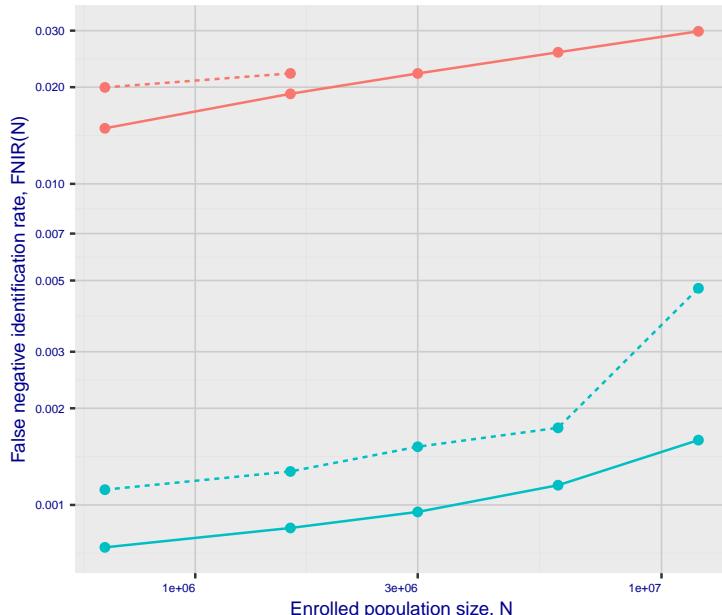


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

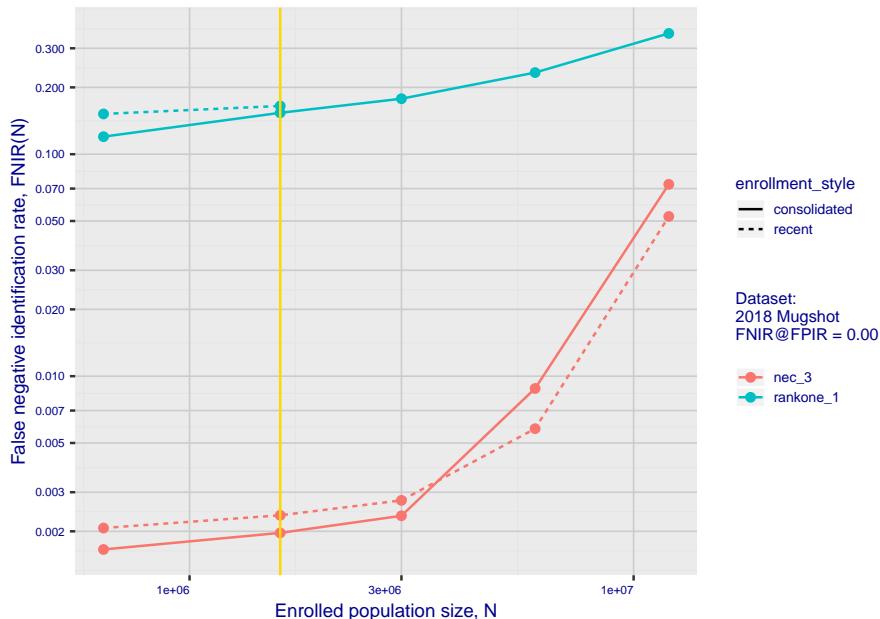


# 1. Report for algorithm rankone\_1 2020-03-20 13:20:28

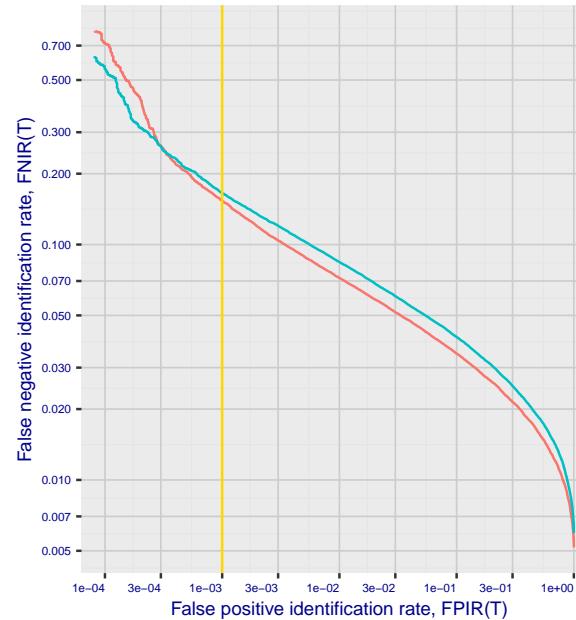
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



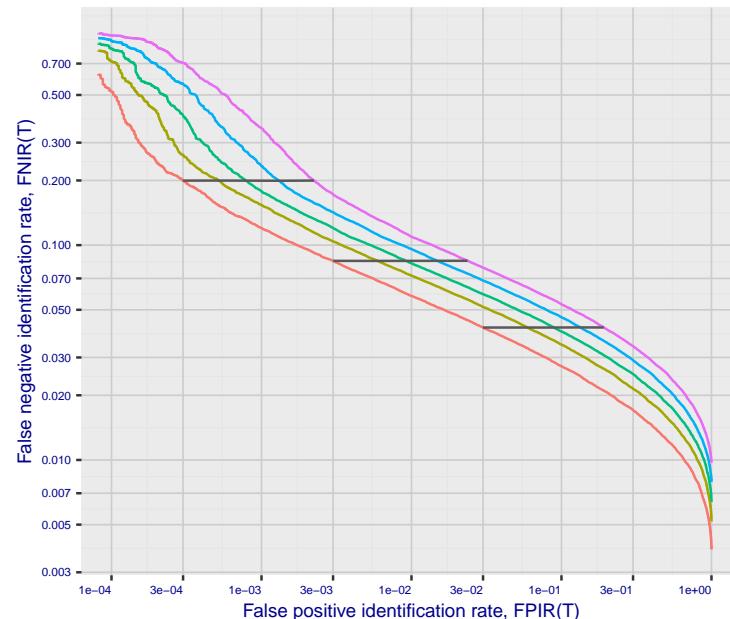
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

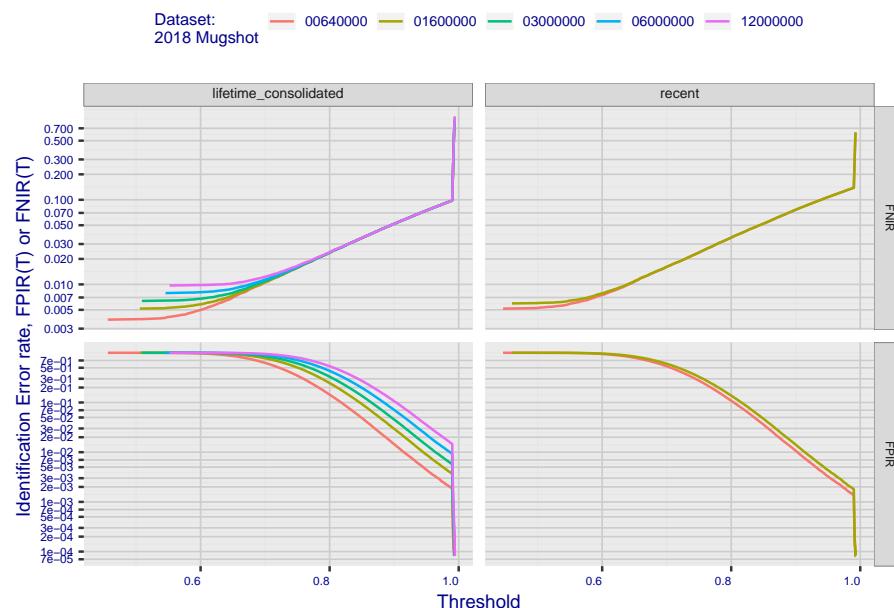


**Fig 4: DET for various N. Links connect points of equal threshold.**

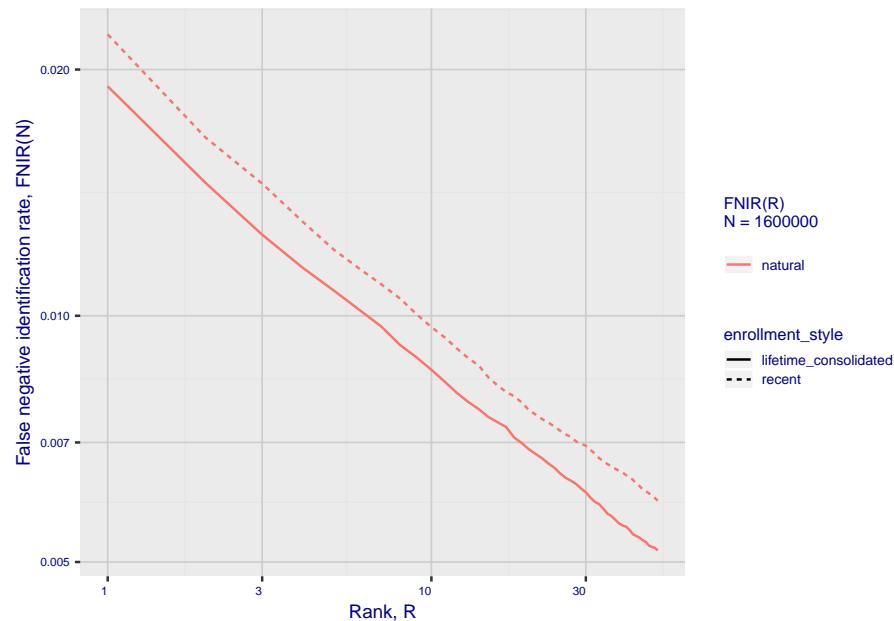


## 2. Report for algorithm rankone\_1 2020-03-20 13:20:28

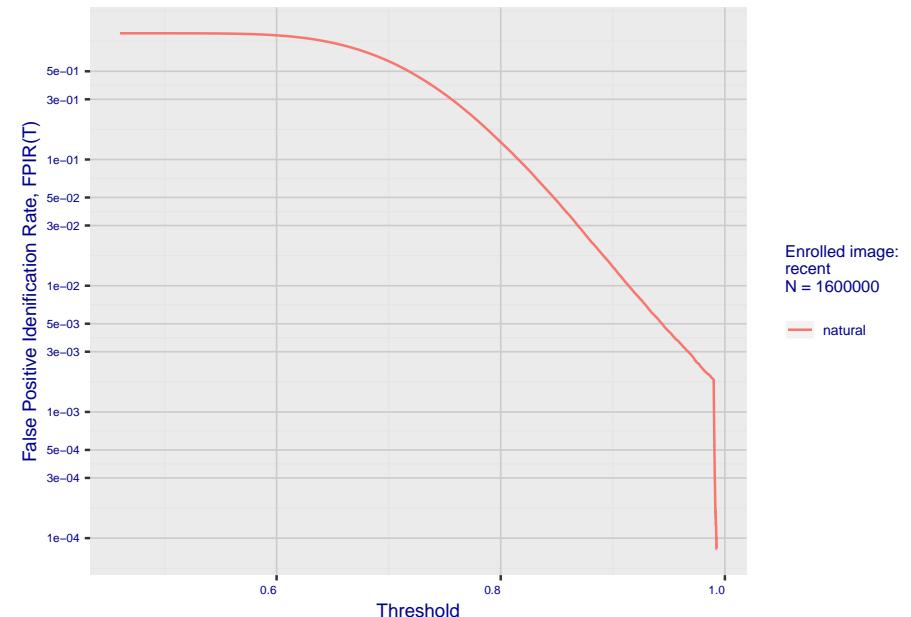
**Fig 5: Dependence on T by number enrolled identities**



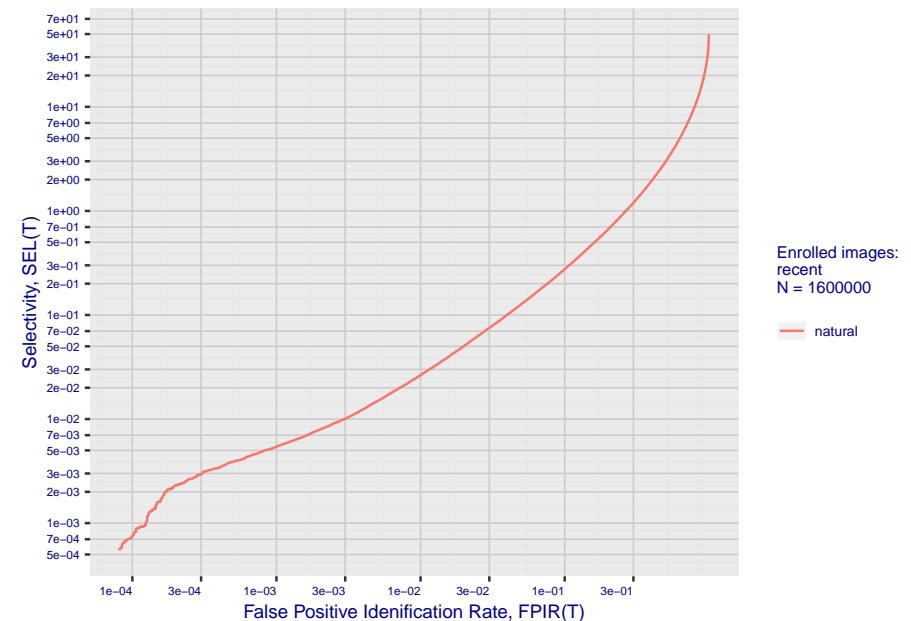
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

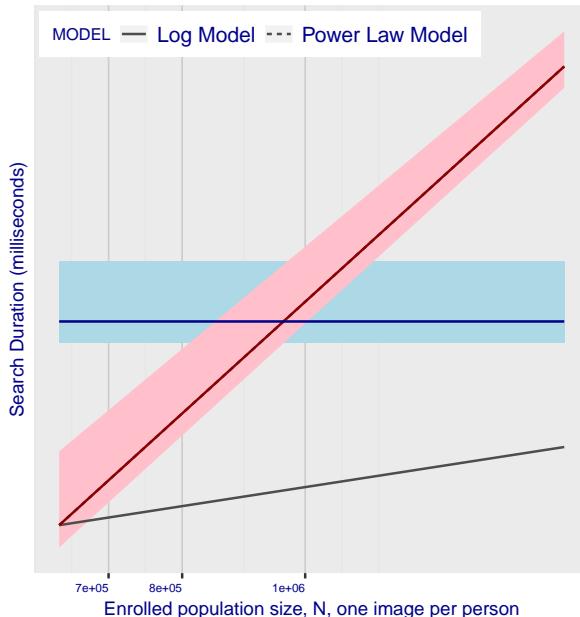


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm rankone\_1 2020-03-20 13:20:28**

**Fig 10: Template duration; search duration vs. N**

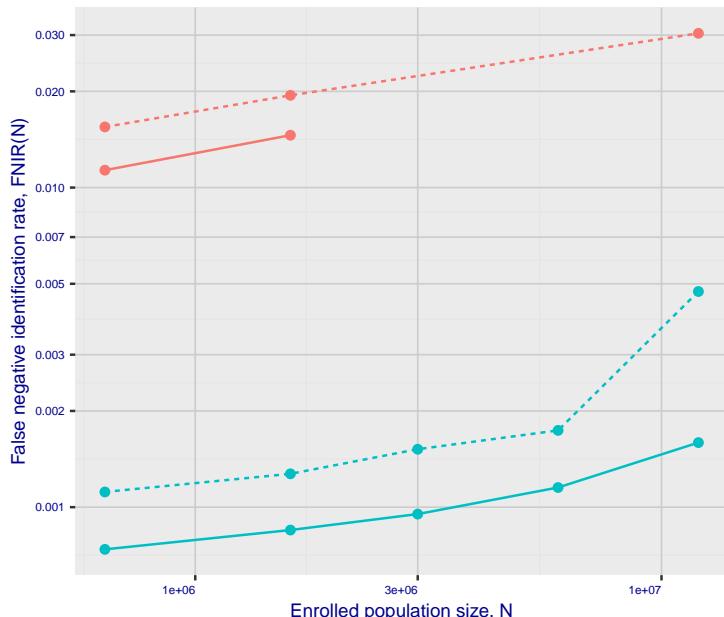


**Fig 11: Datasheet**

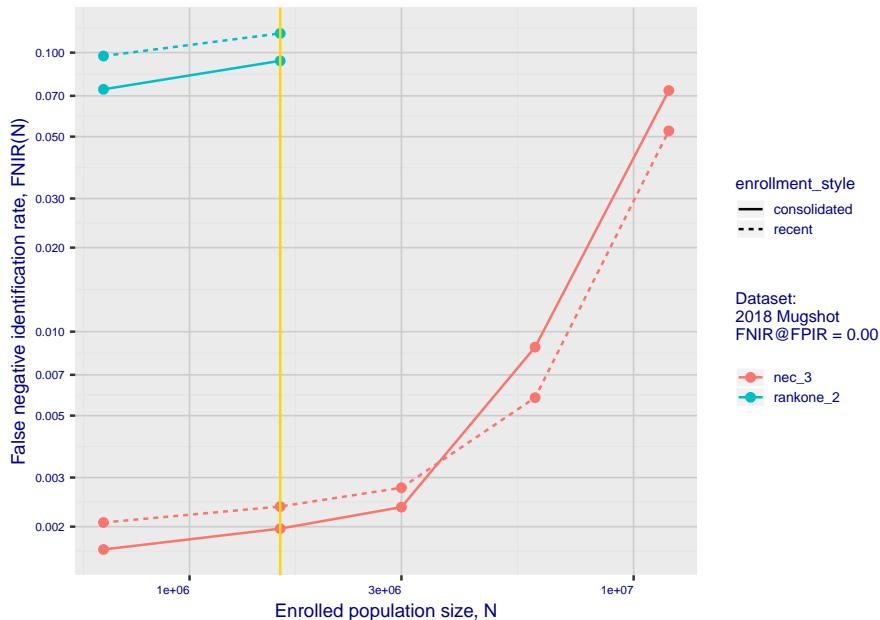
Algorithm:	rankone_1
Developer:	Rank One Computing
Submission Date:	2018_02_15
Template size:	324 bytes
Template time (2.5 percentile):	134 msec
Template time (median):	136 msec
Template time (97.5 percentile):	143 msec
Investigation rank 141 -- FNIR(160000, 0, 1) = 0.0221 vs. lowest 0.0010 from sensetime_003	
Identification rank 134 -- FNIR(160000, T, L+1) = 0.1650	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm rankone\_2 2020-03-20 13:22:16

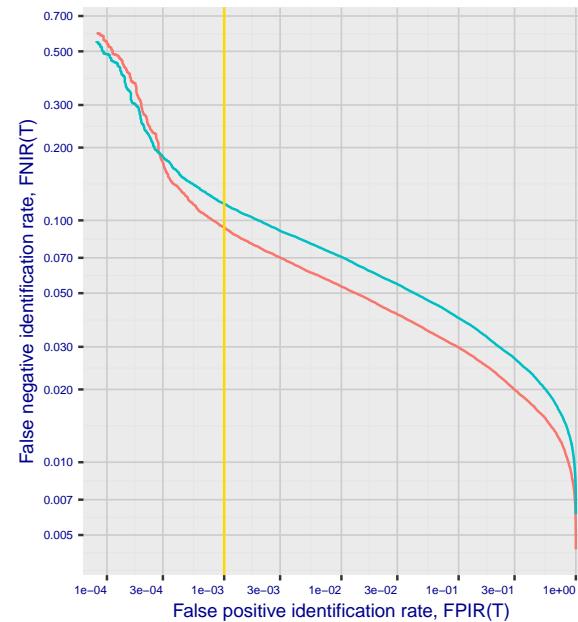
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



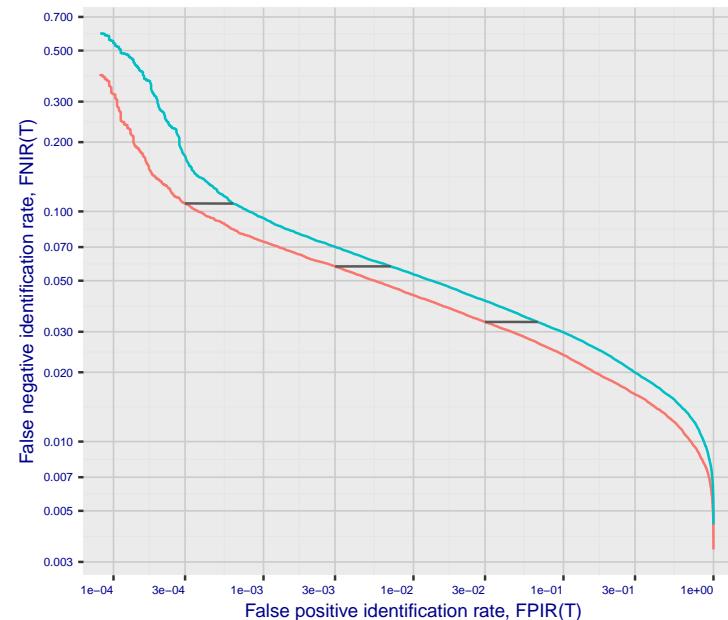
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

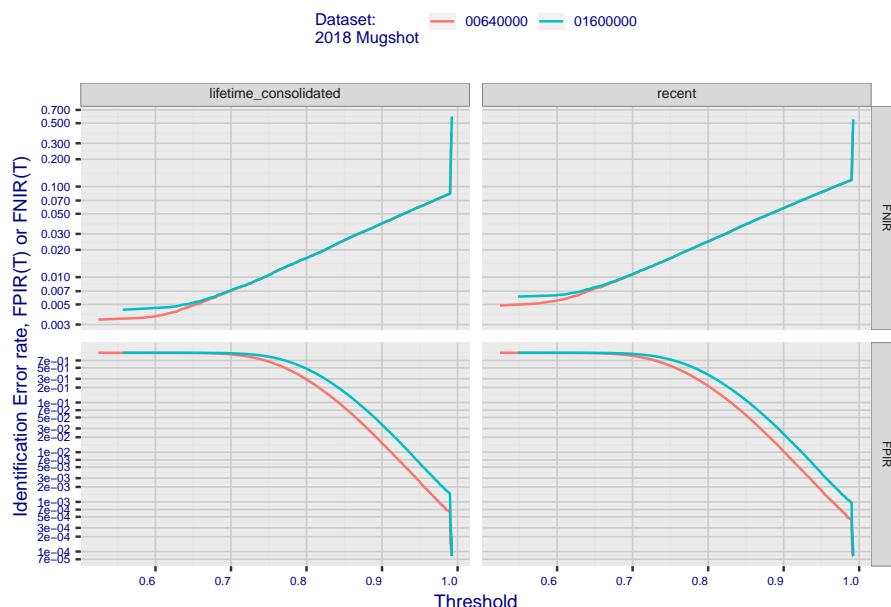


**Fig 4: DET for various N. Links connect points of equal threshold.**

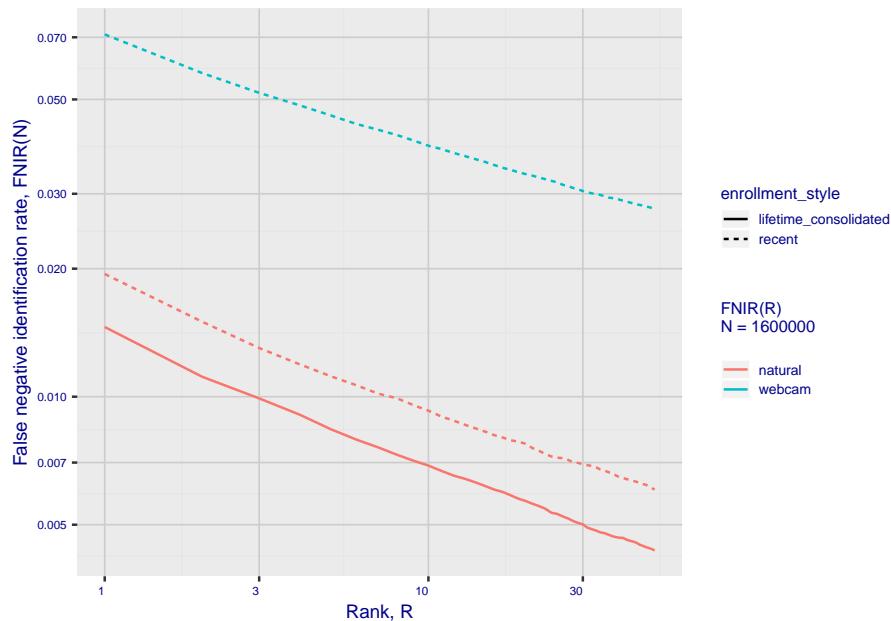


## 2. Report for algorithm rankone\_2 2020-03-20 13:22:16

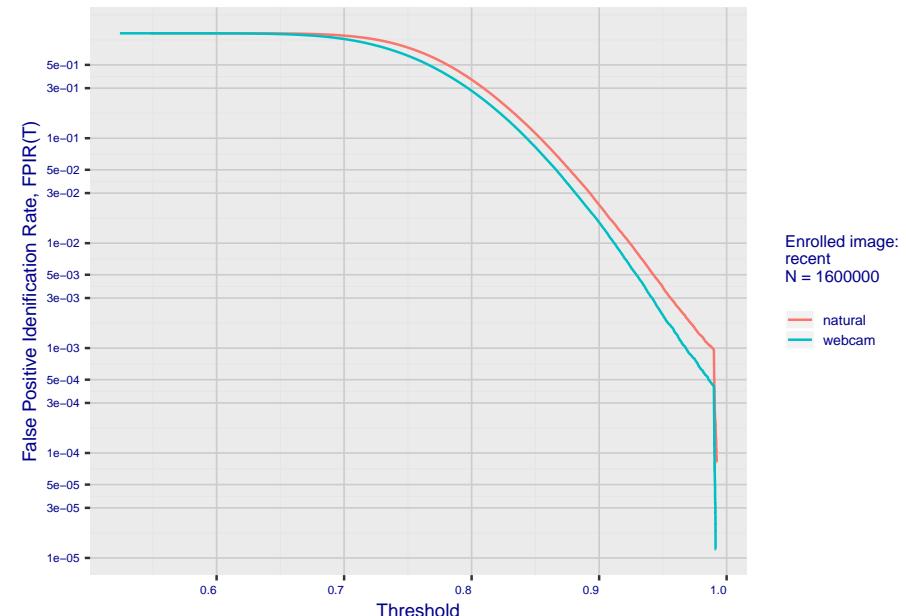
**Fig 5: Dependence on T by number enrolled identities**



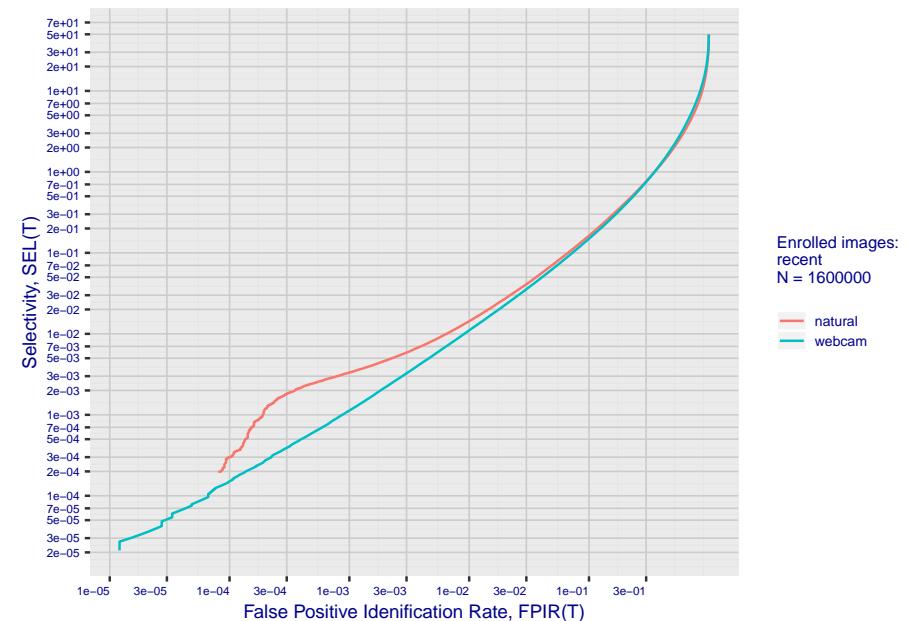
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

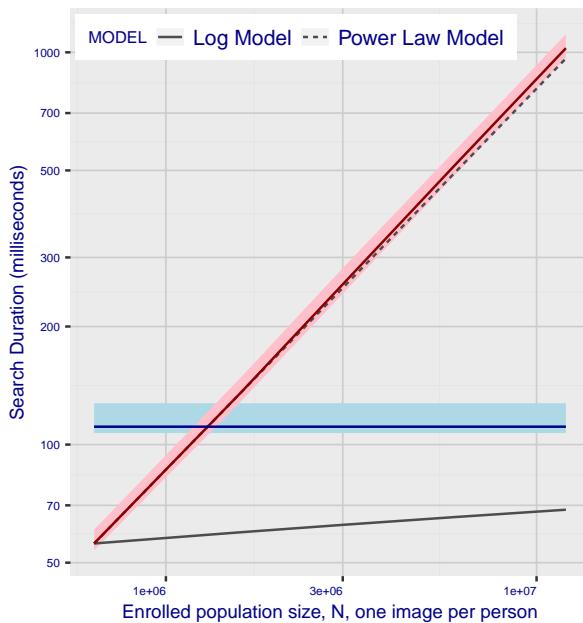


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm rankone\_2 2020-03-20 13:22:16

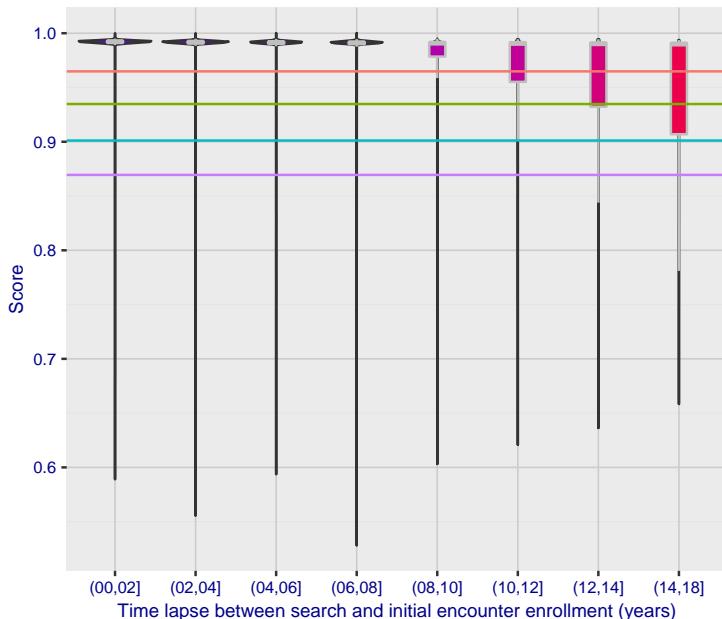
**Fig 10: Template duration; search duration vs. N**



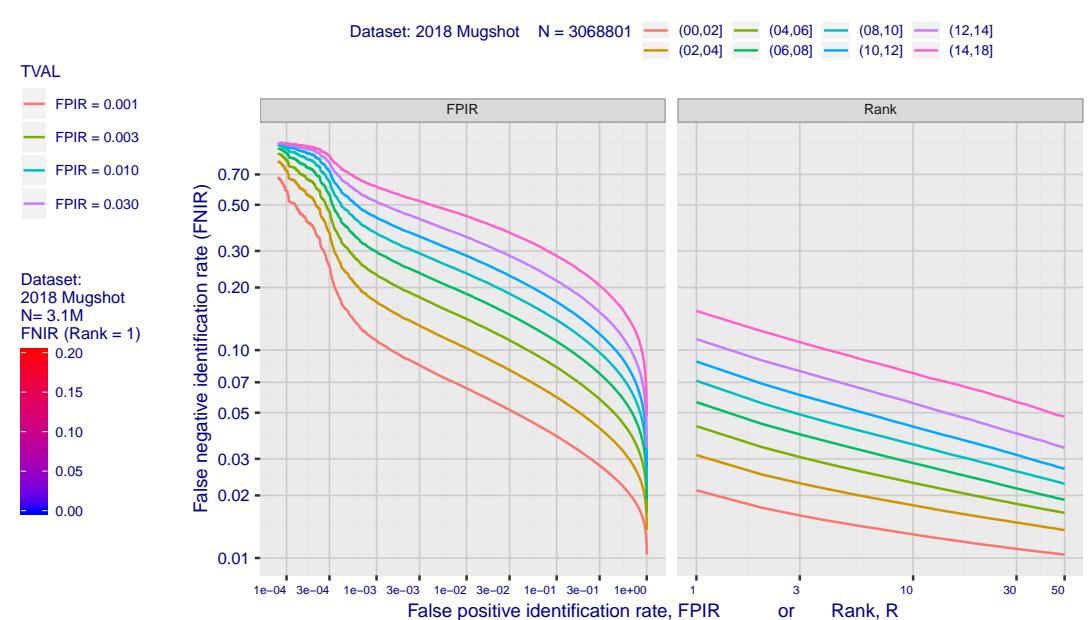
**Fig 11: Datasheet**

Algorithm: rankone_2
Developer: Rank One Computing
Submission Date: 2018_06_19
Template size: 133 bytes
Template time (2.5 percentile): 107 msec
Template time (median): 111 msec
Template time (97.5 percentile): 127 msec
Investigation rank 134 -- FNIR(1600000, 0, 1) = 0.0194 vs. lowest 0.0010 from sensetime_003
Identification rank 116 -- FNIR(1600000, T, L+1) = 0.1172
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

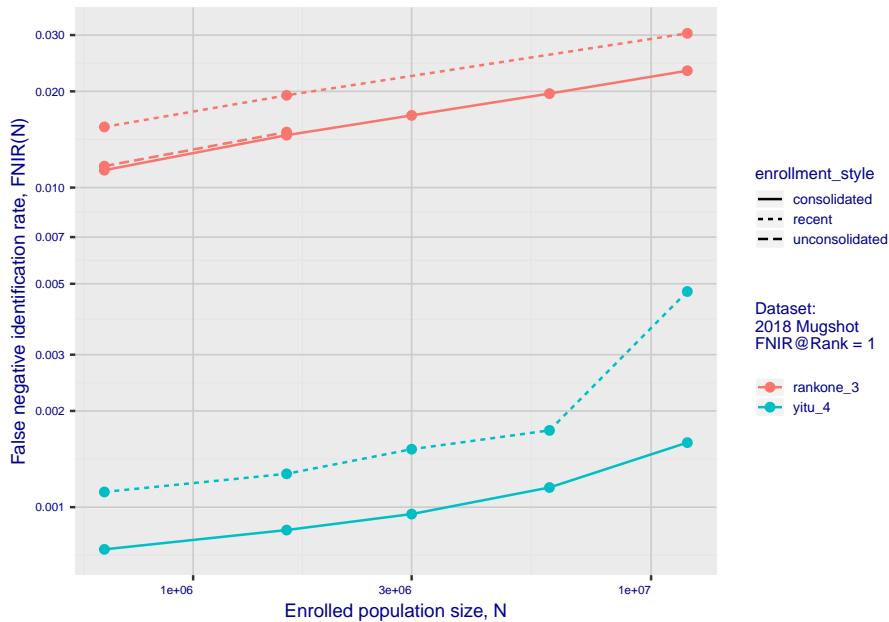


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

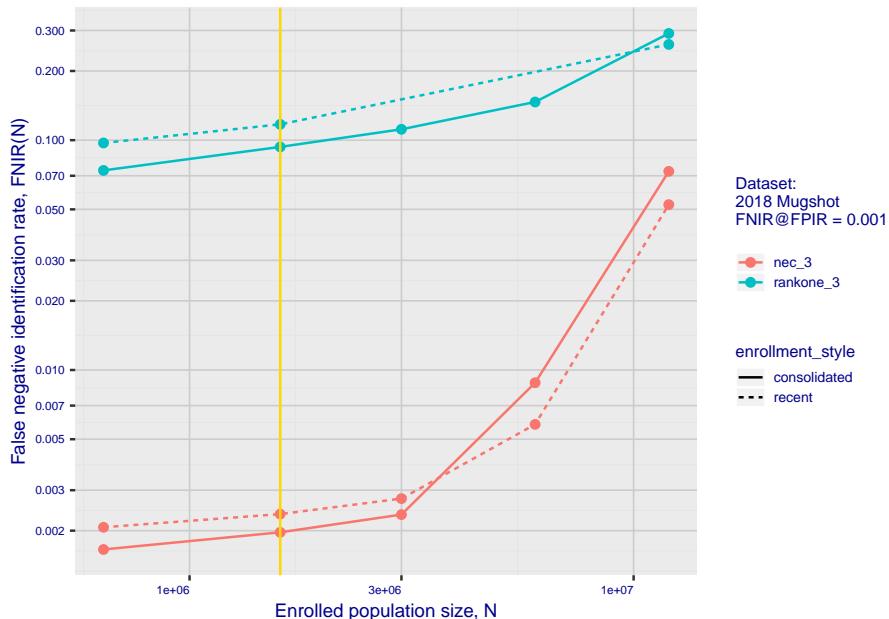


# 1. Report for algorithm rankone\_3 2020-03-20 13:23:36

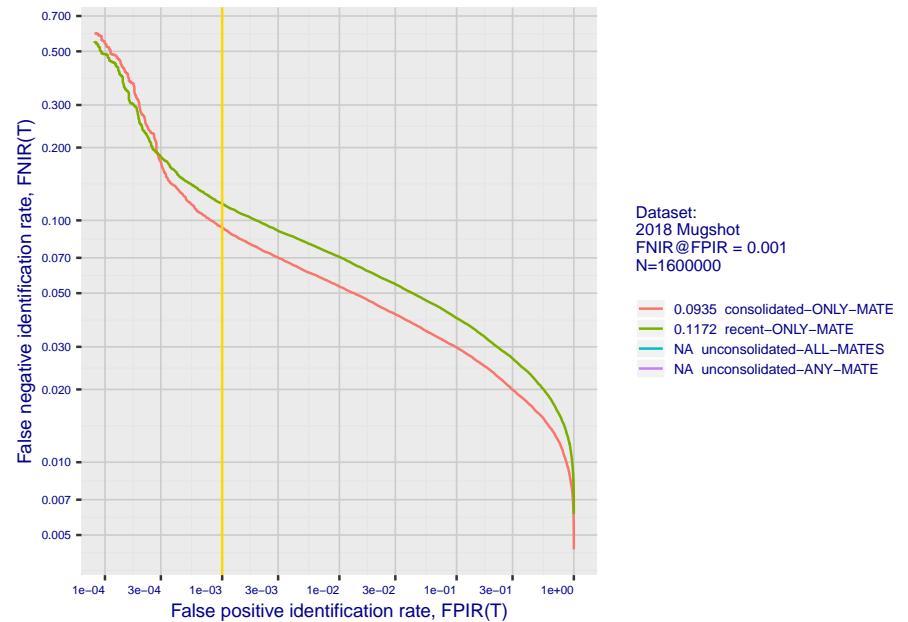
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



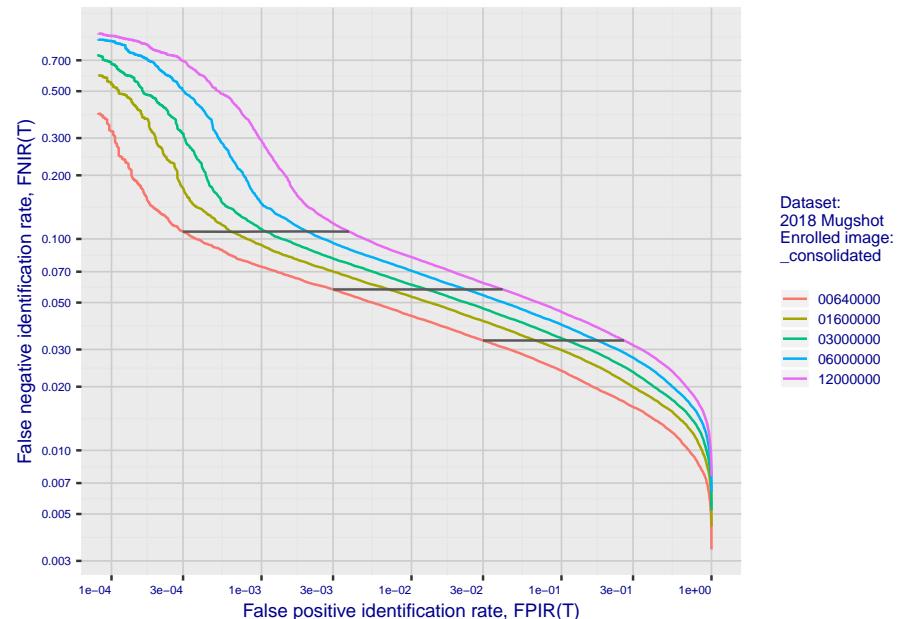
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

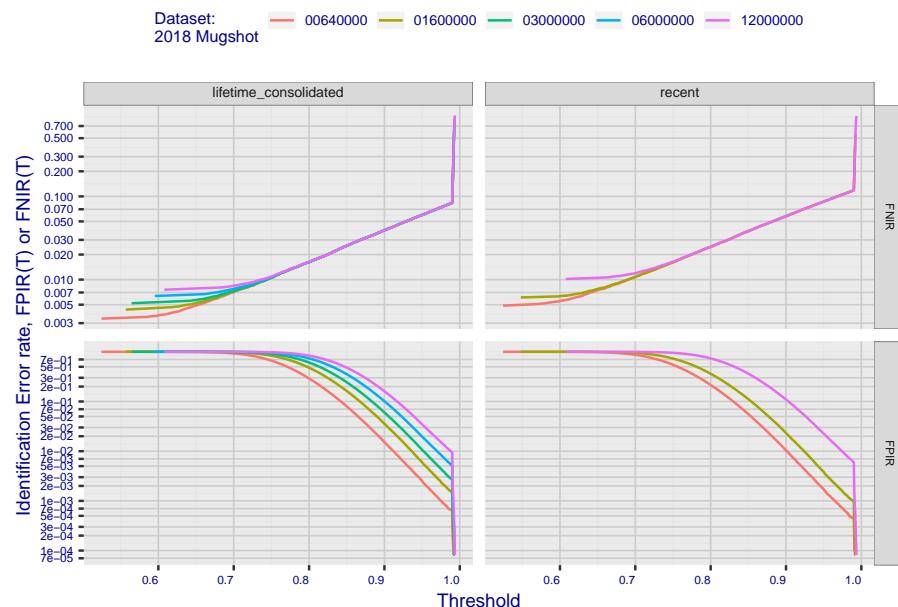


**Fig 4: DET for various N. Links connect points of equal threshold.**

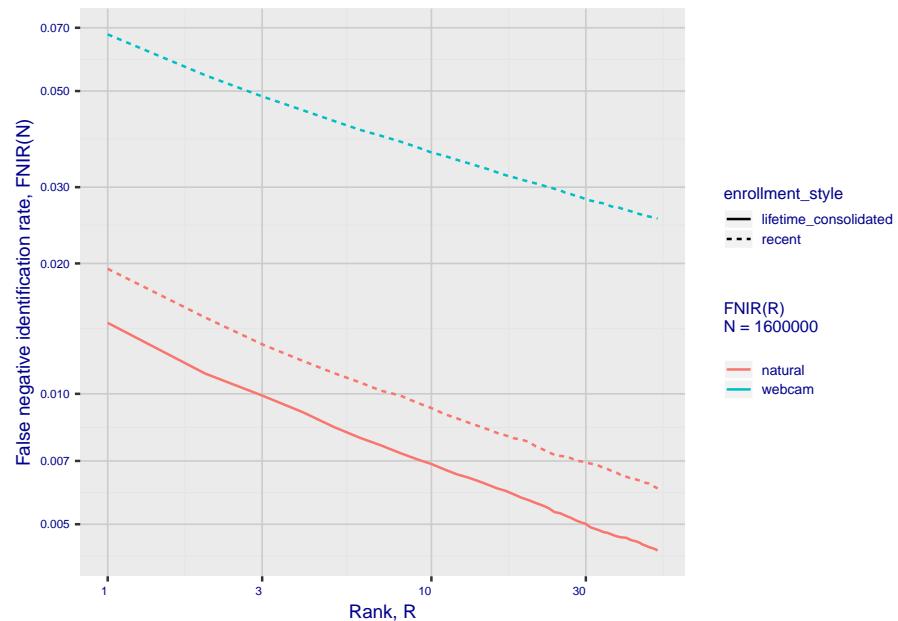


## 2. Report for algorithm rankone\_3 2020-03-20 13:23:36

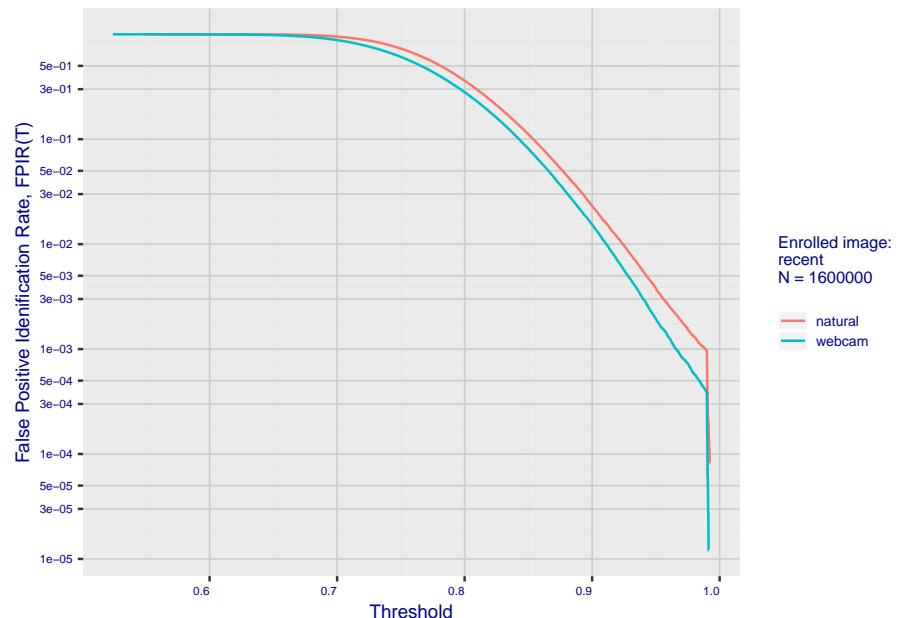
**Fig 5: Dependence on T by number enrolled identities**



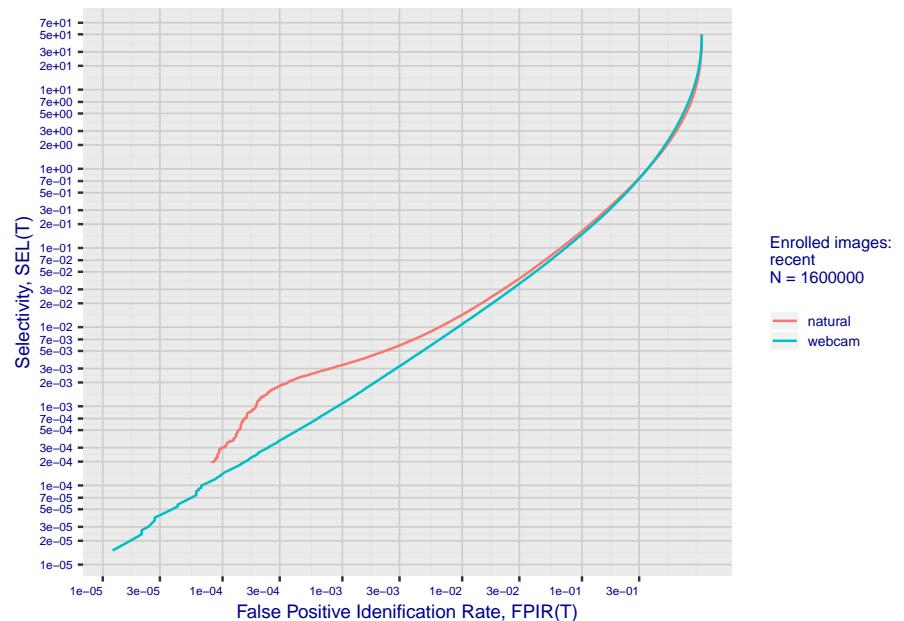
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm rankone\_3 2020-03-20 13:23:36

Fig 10: Template duration; search duration vs. N

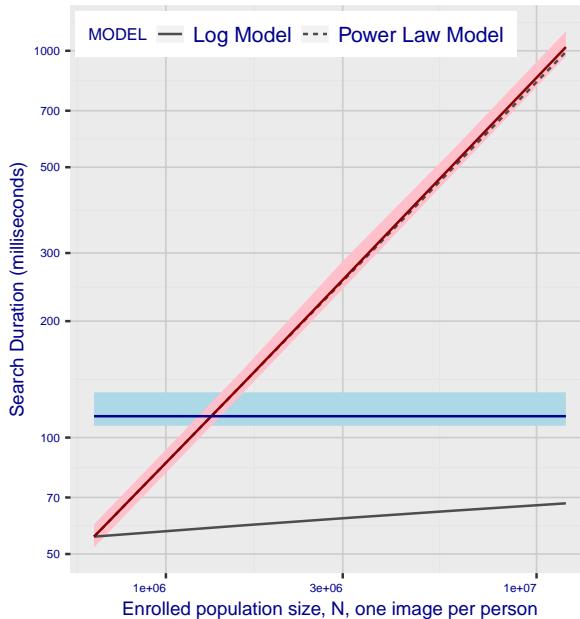
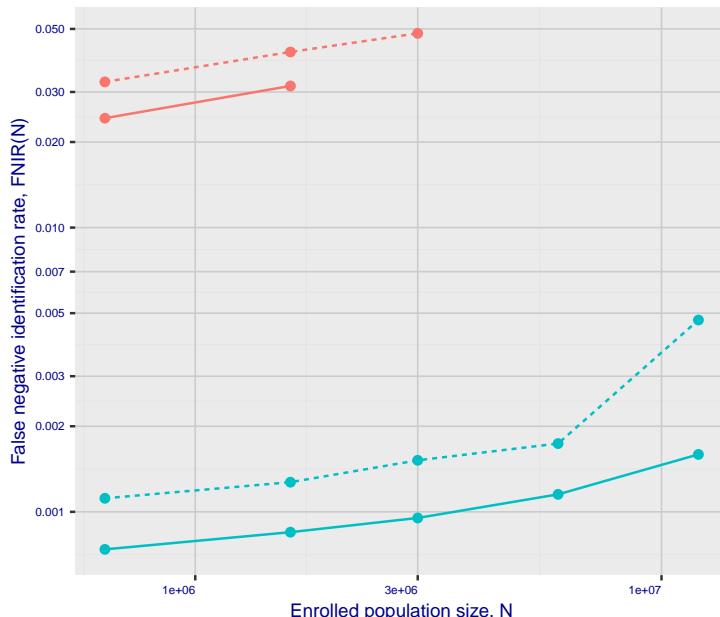


Fig 11: Datasheet

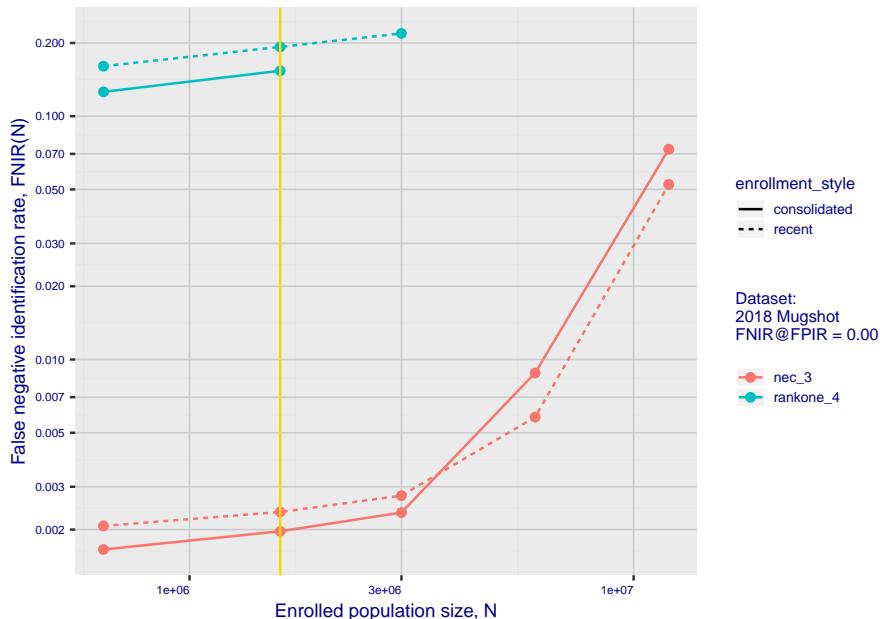
Algorithm: rankone_3
Developer: Rank One Computing
Submission Date: 2018_06_19
Template size: 133 bytes
Template time (2.5 percentile): 107 msec
Template time (median): 114 msec
Template time (97.5 percentile): 131 msec
Investigation rank 134 -- FNIR(160000, 0, 1) = 0.0194 vs. lowest 0.0010 from sensetime_003
Identification rank 116 -- FNIR(160000, T, L+1) = 0.1172
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm rankone\_4 2020-03-20 13:22:07

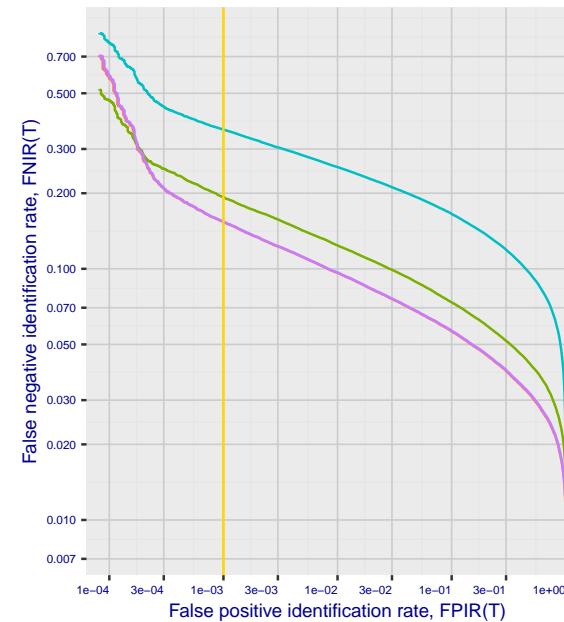
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



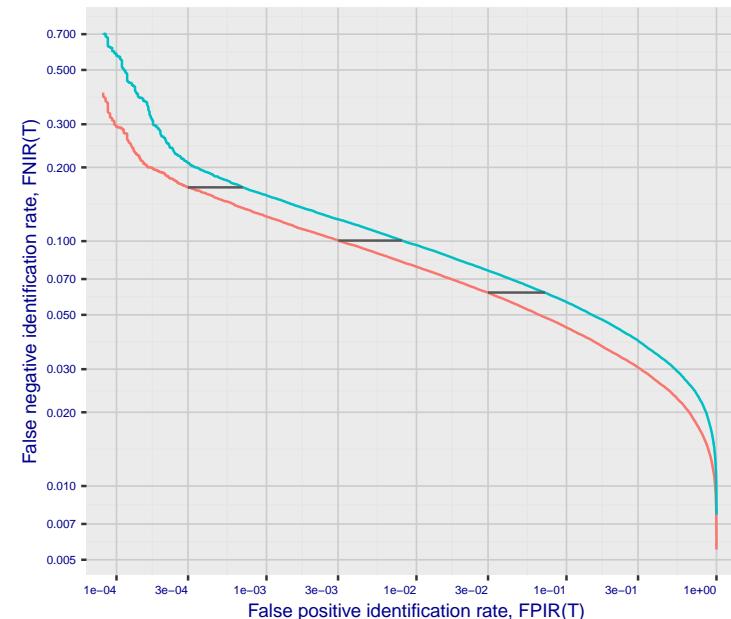
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

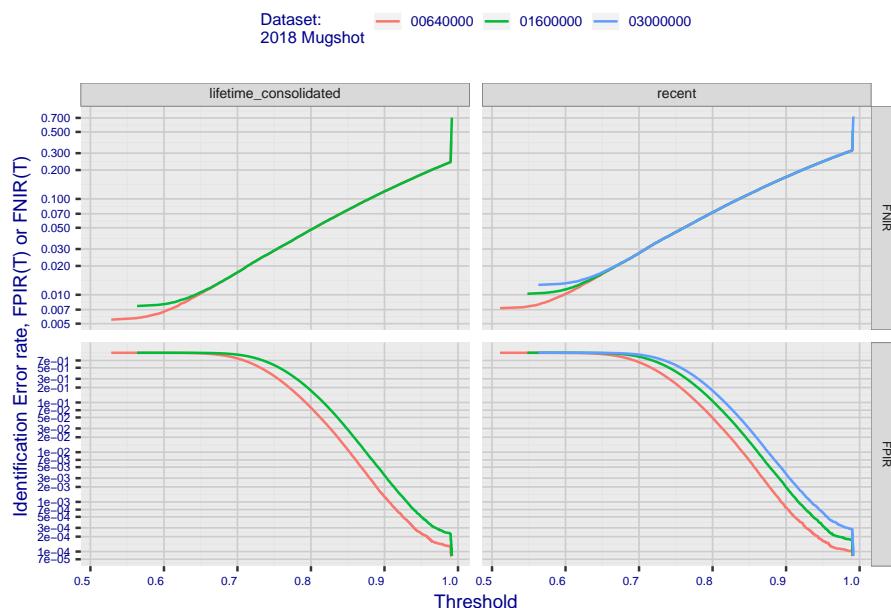


**Fig 4: DET for various N. Links connect points of equal threshold.**

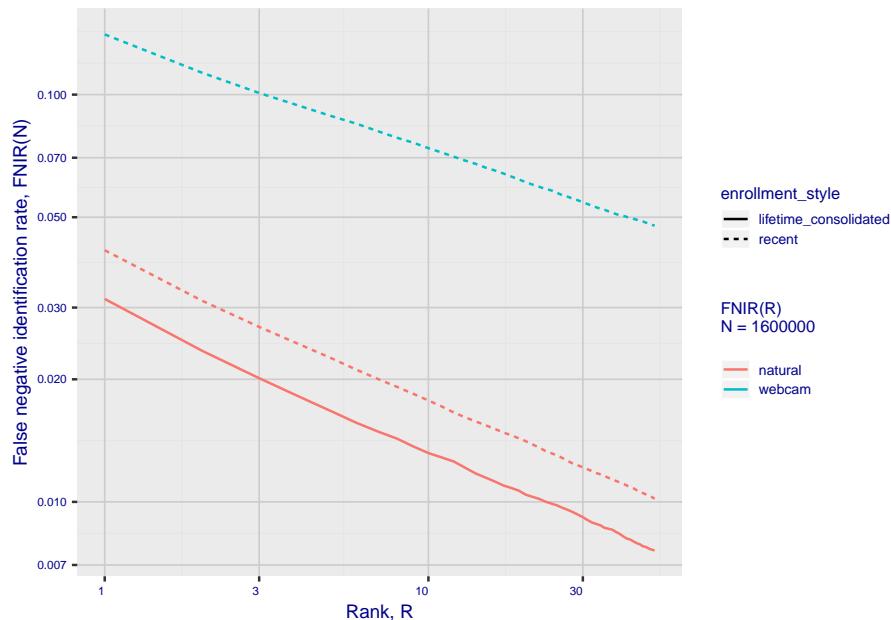


## 2. Report for algorithm rankone\_4 2020-03-20 13:22:07

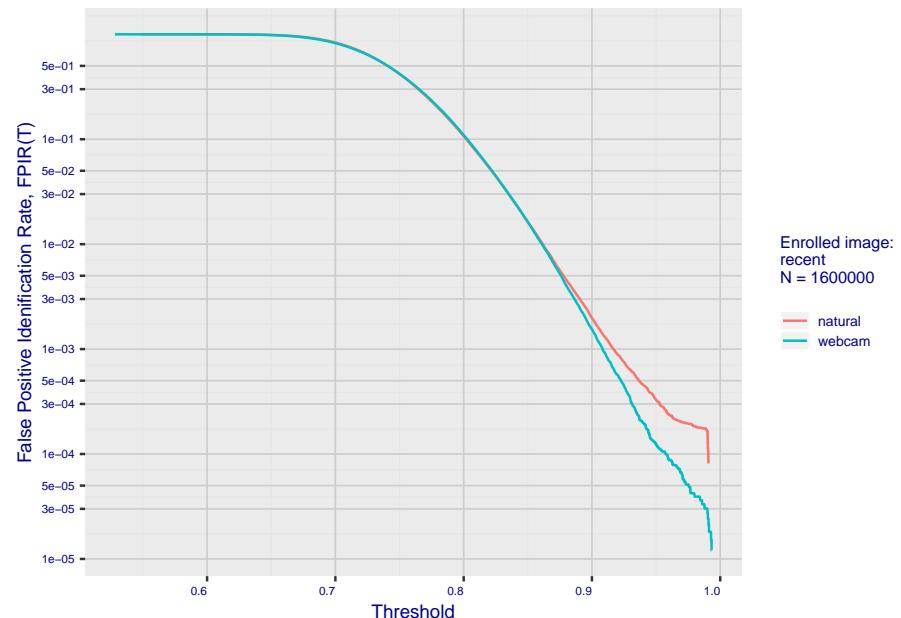
**Fig 5: Dependence on T by number enrolled identities**



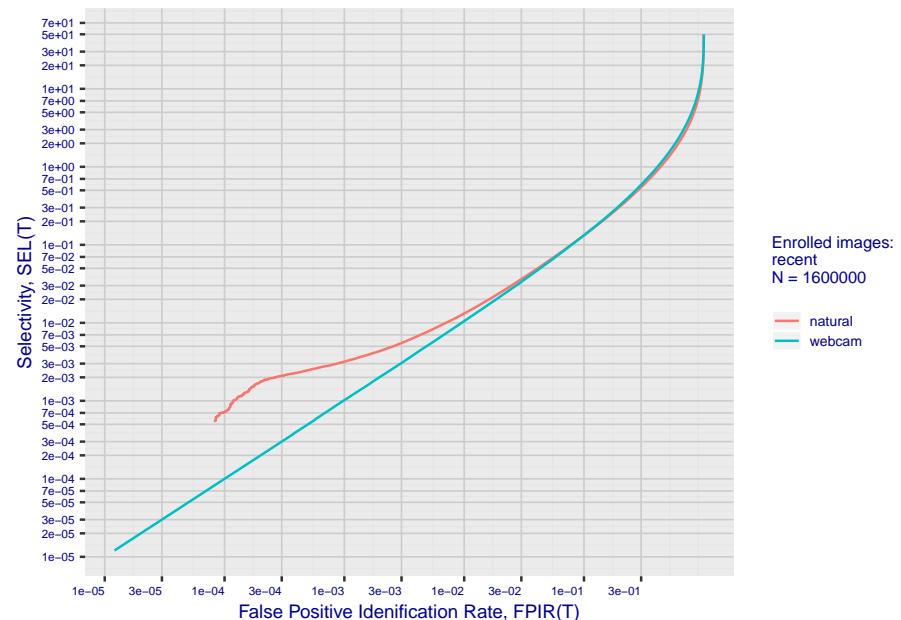
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

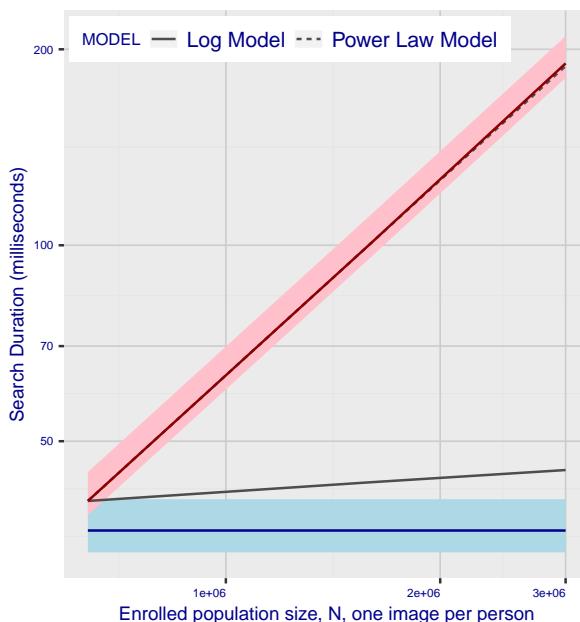


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm rankone\_4 2020-03-20 13:22:07

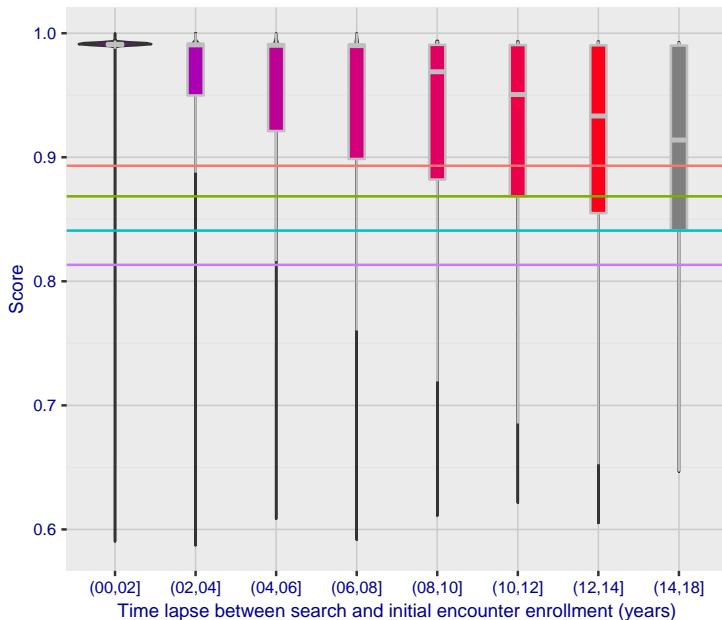
**Fig 10: Template duration; search duration vs. N**



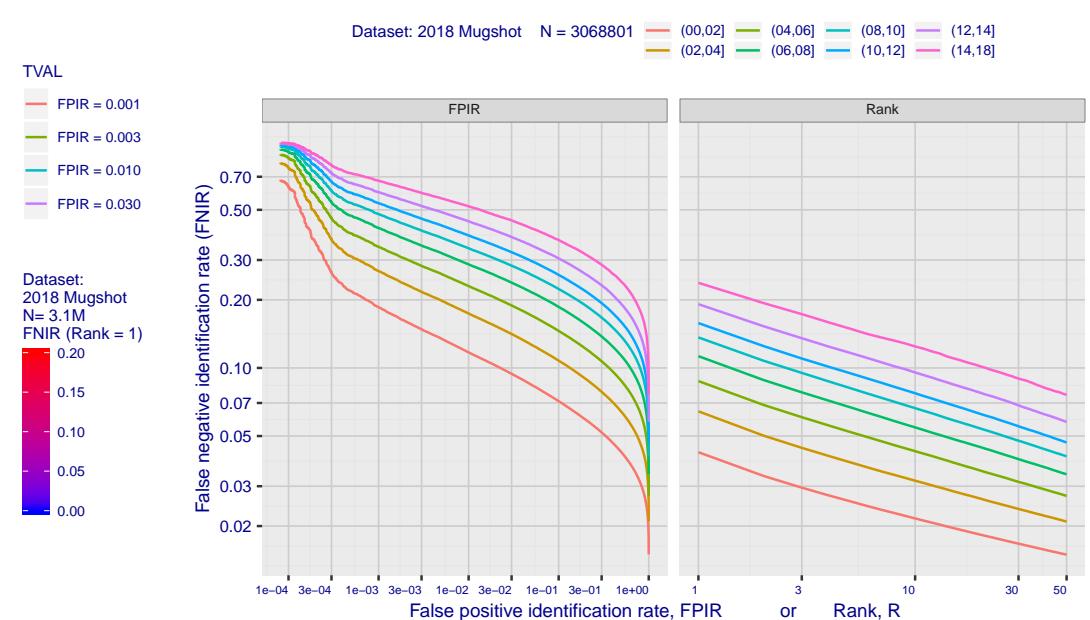
**Fig 11: Datasheet**

Algorithm: rankone_4
Developer: Rank One Computing
Submission Date: 2018_10_09
Template size: 85 bytes
Template time (2.5 percentile): 34 msec
Template time (median): 36 msec
Template time (97.5 percentile): 41 msec
Investigation rank 167 -- FNIR(1600000, 0, 1) = 0.0415 vs. lowest 0.0010 from sensetime_003
Identification rank 143 -- FNIR(1600000, T, L+1) = 0.1927
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

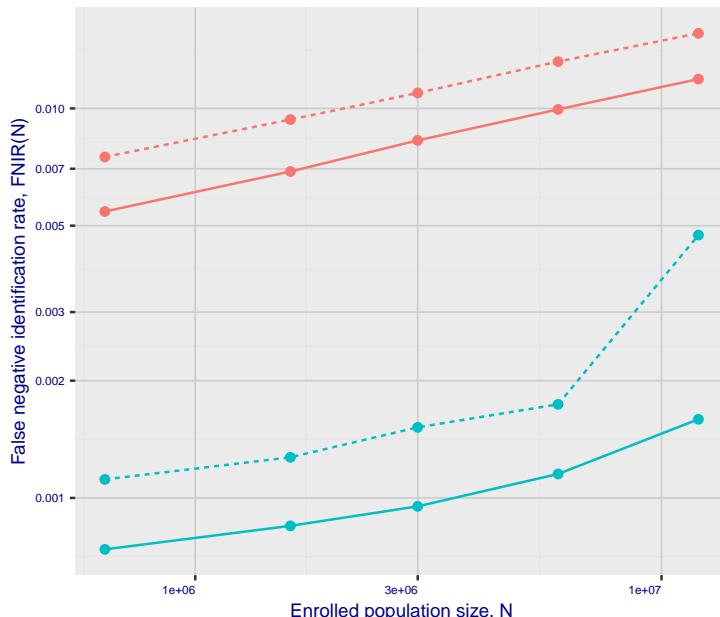


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

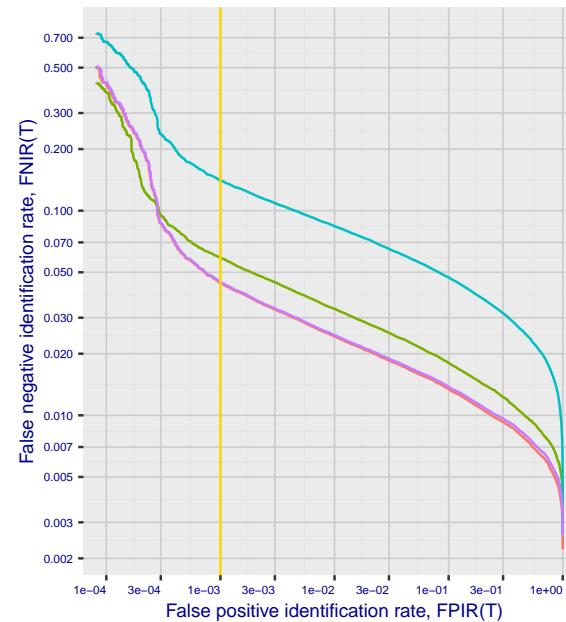


# 1. Report for algorithm rankone\_5 2020-03-20 13:18:38

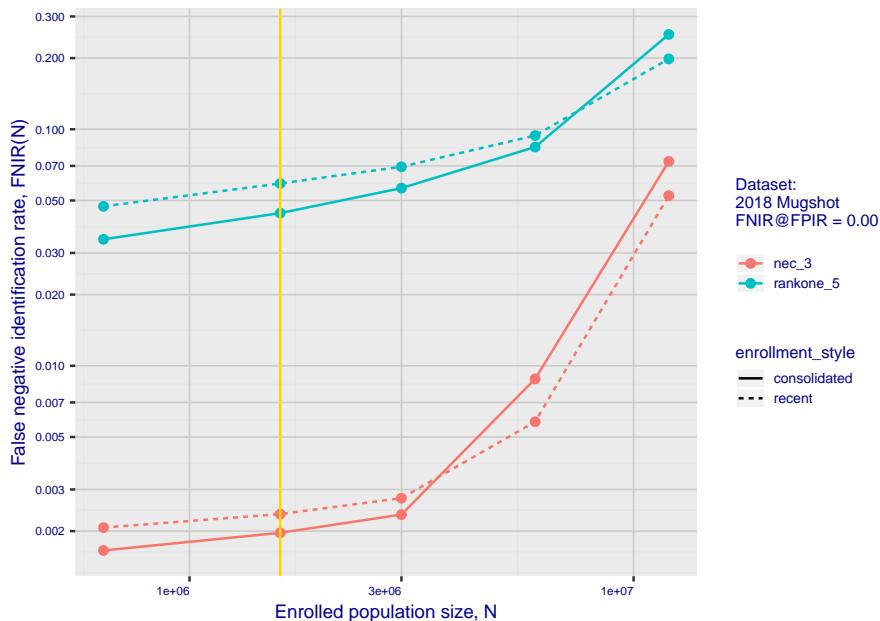
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



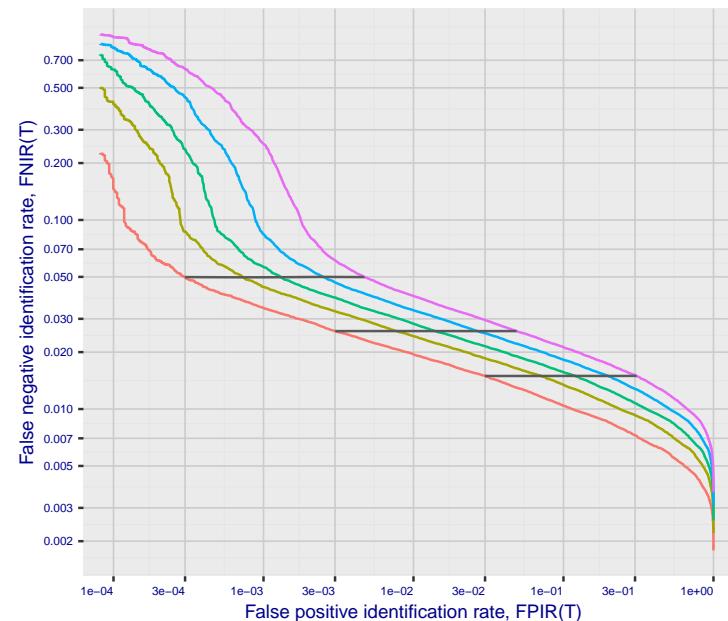
**Fig 2: DETs by enrollment type**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

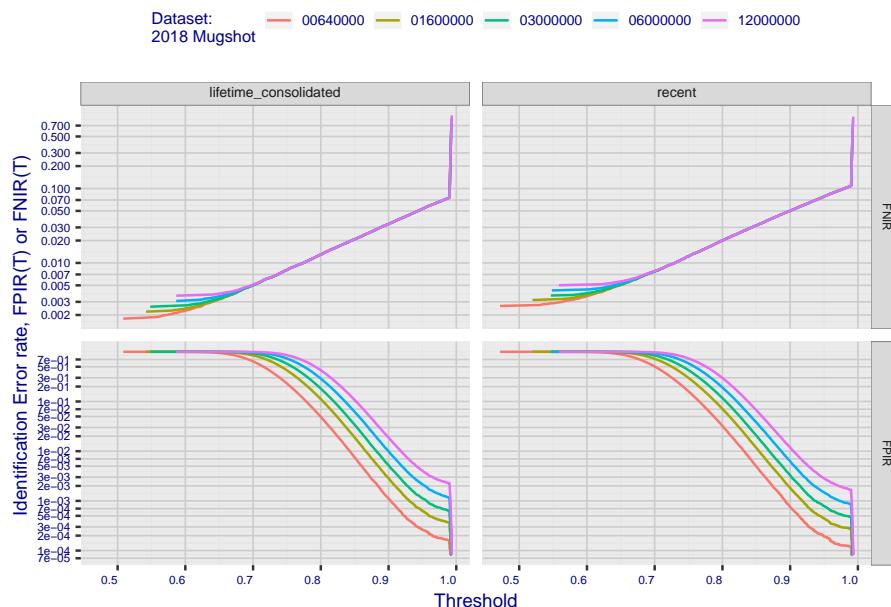


**Fig 4: DET for various N. Links connect points of equal threshold.**

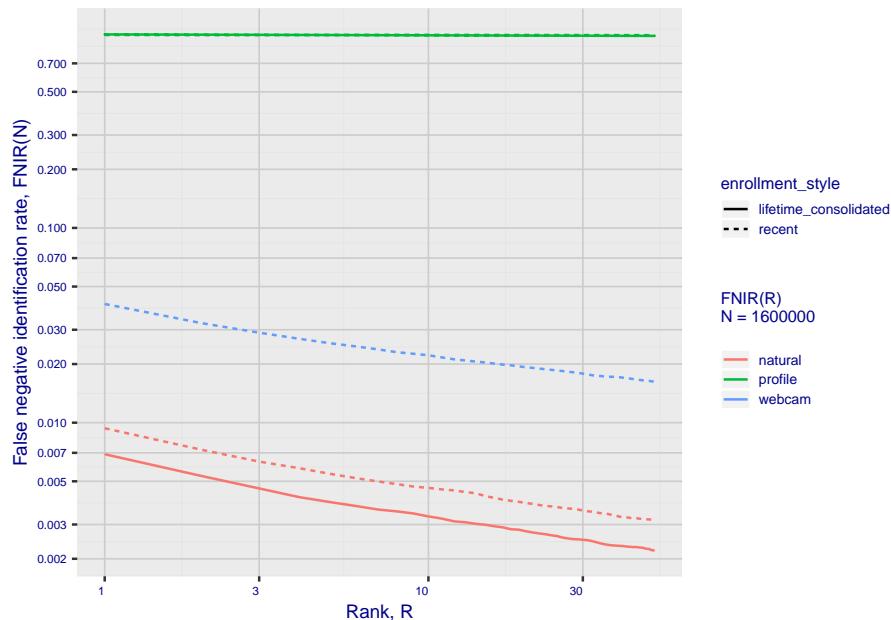


## 2. Report for algorithm rankone\_5 2020-03-20 13:18:38

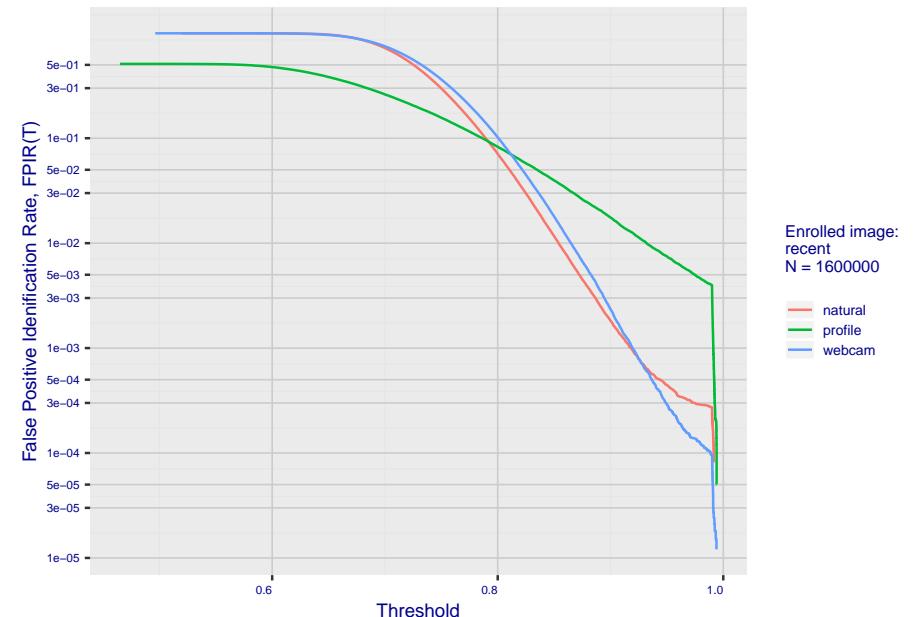
**Fig 5: Dependence on T by number enrolled identities**



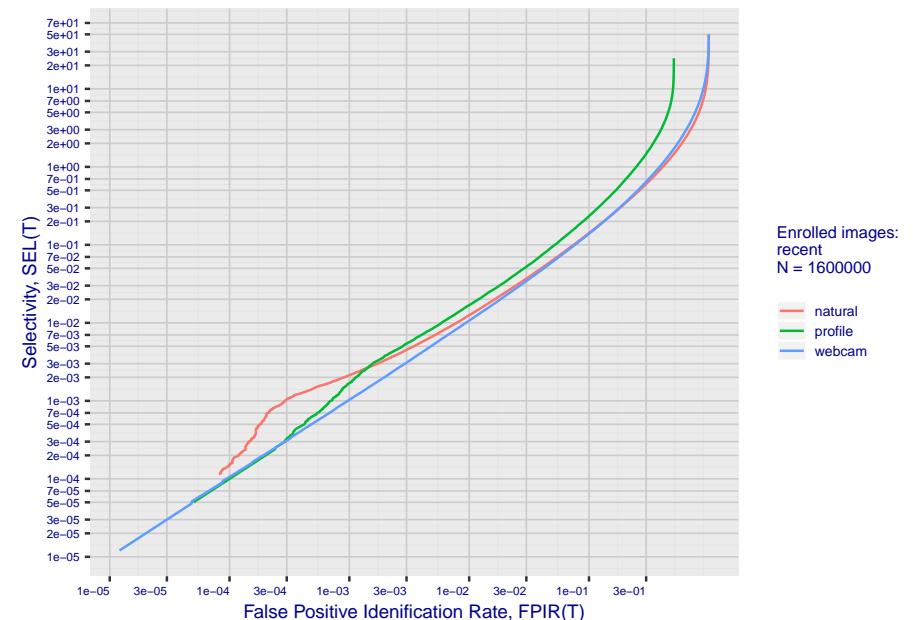
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

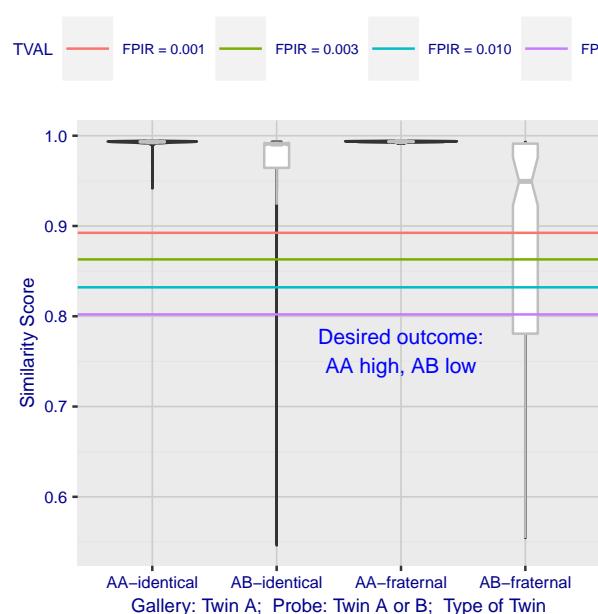


**Fig 8: FPIR vs. Selectivity**

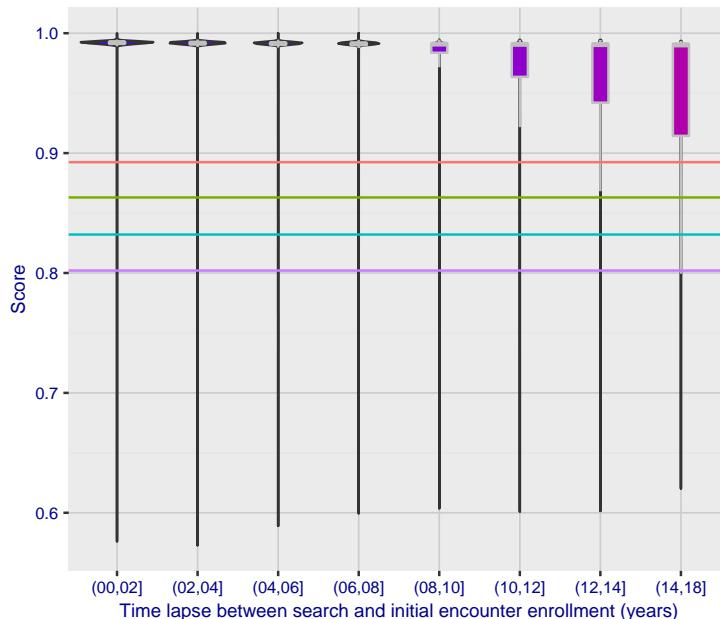


### 3. Report for algorithm rankone\_5 2020-03-20 13:18:38

**Fig 9: Solo-Twin and Twin-Twin similarity scores**



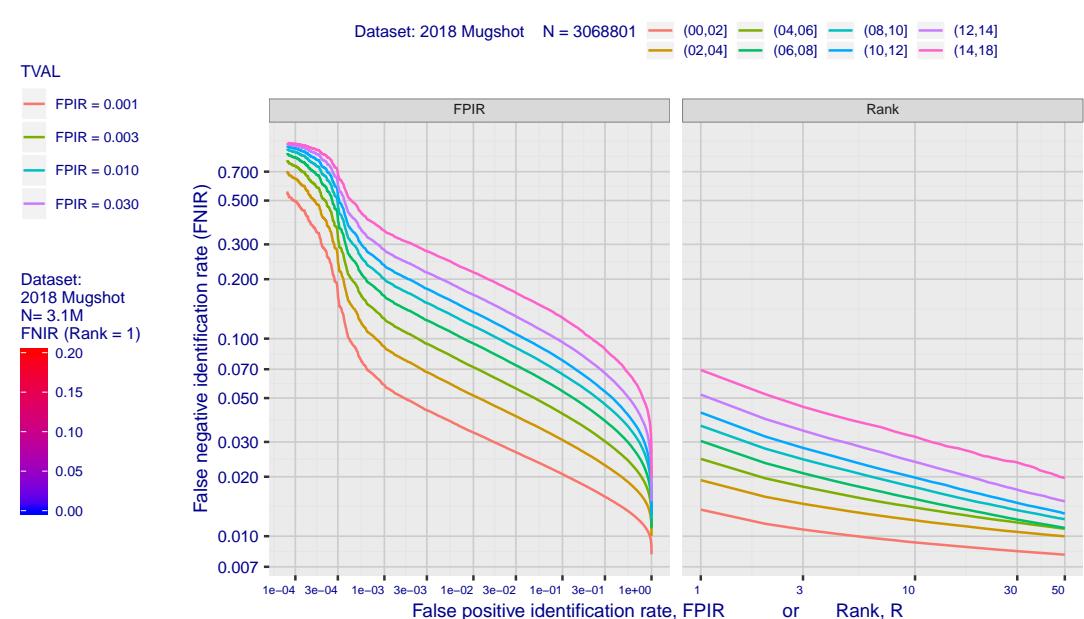
**Fig 12: Decline of genuine scores with ageing**



**Fig 10: Template duration; search duration vs. N**



**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

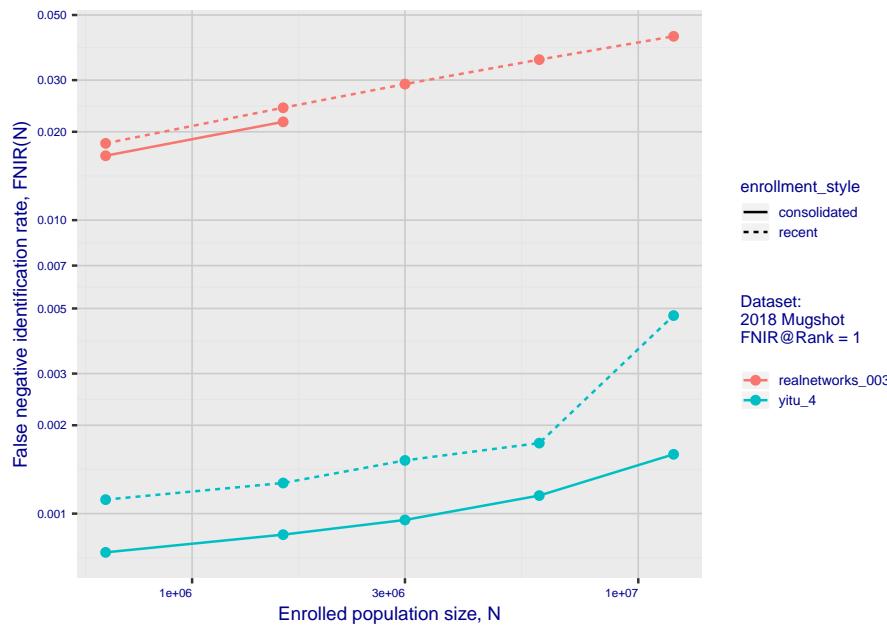


**Fig 11: Datasheet**

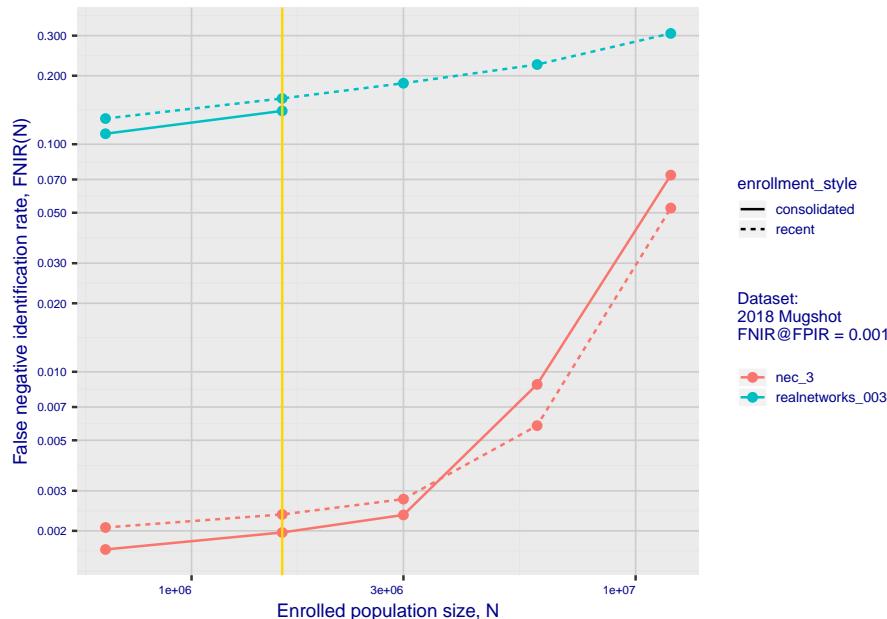
Algorithm:	rankone_5
Developer:	Rank One Computing
Submission Date:	2018_10_24
Template size:	133 bytes
Template time (2.5 percentile):	89 msec
Template time (median):	92 msec
Template time (97.5 percentile):	103 msec
Investigation rank 97 --- FNIR(1600000, 0, 1) = 0.0094 vs. lowest 0.0010 from sensetime_003	
Identification rank 76 --- FNIR(1600000, T, L+1) = 0.0590	
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm realnetworks\_003 2020-03-20 13:18:28

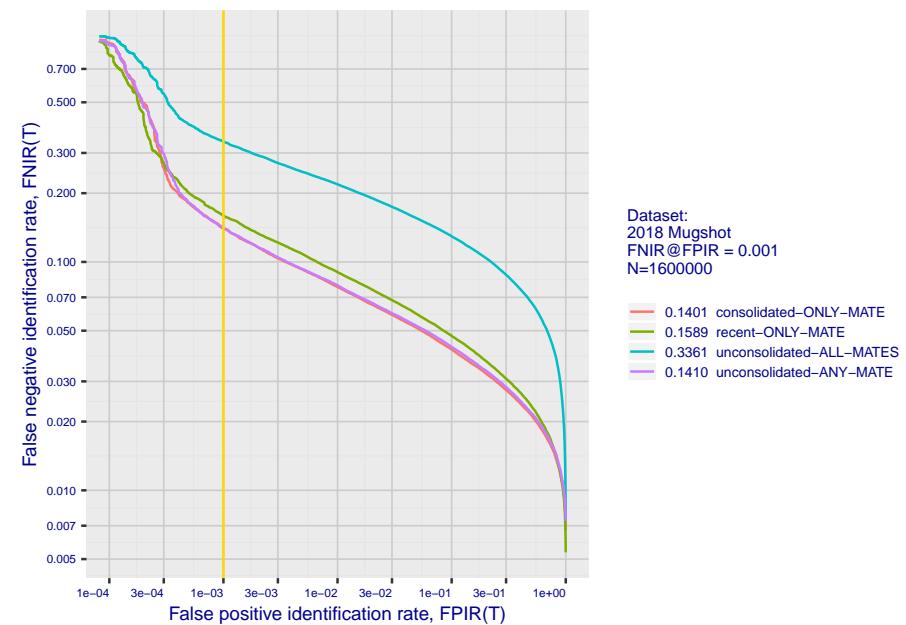
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



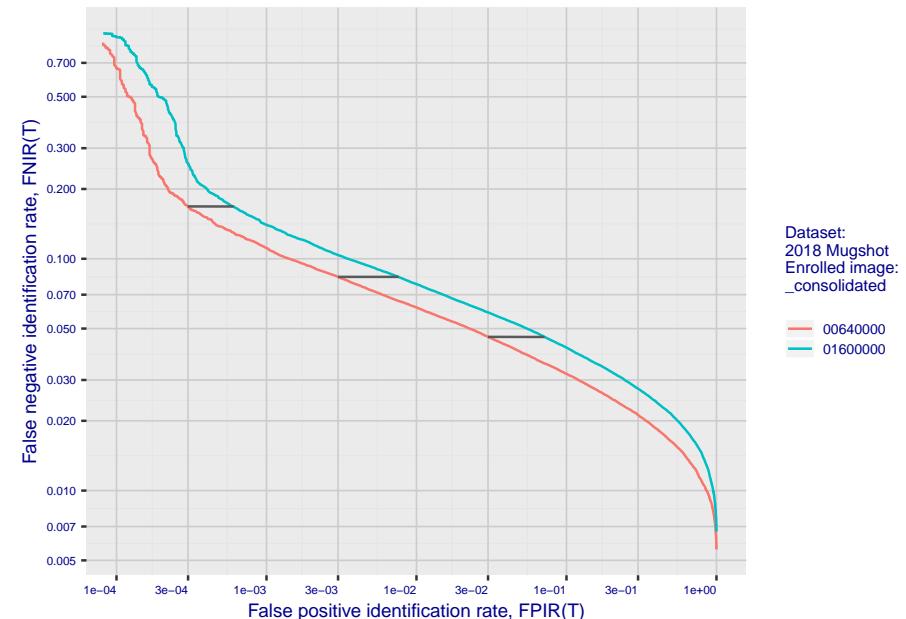
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

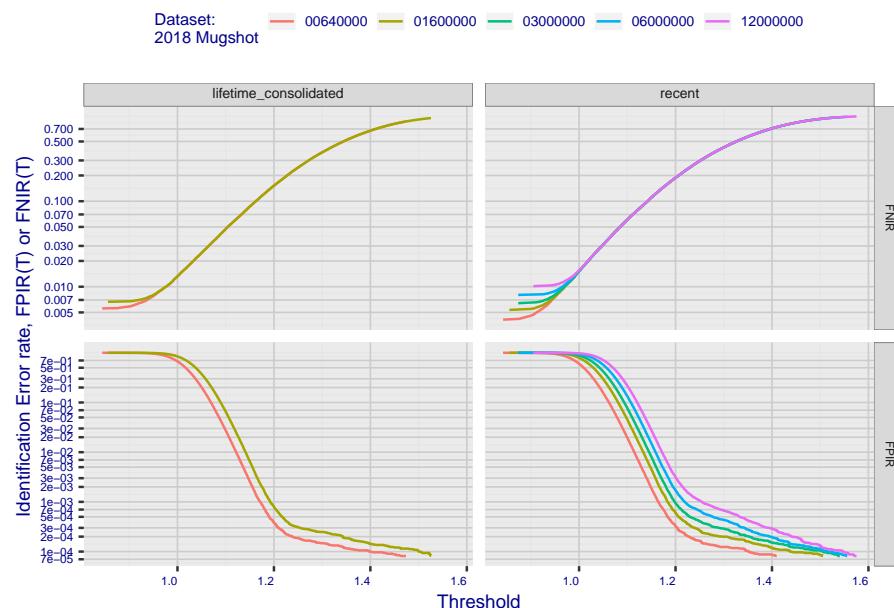


**Fig 4: DET for various N. Links connect points of equal threshold.**

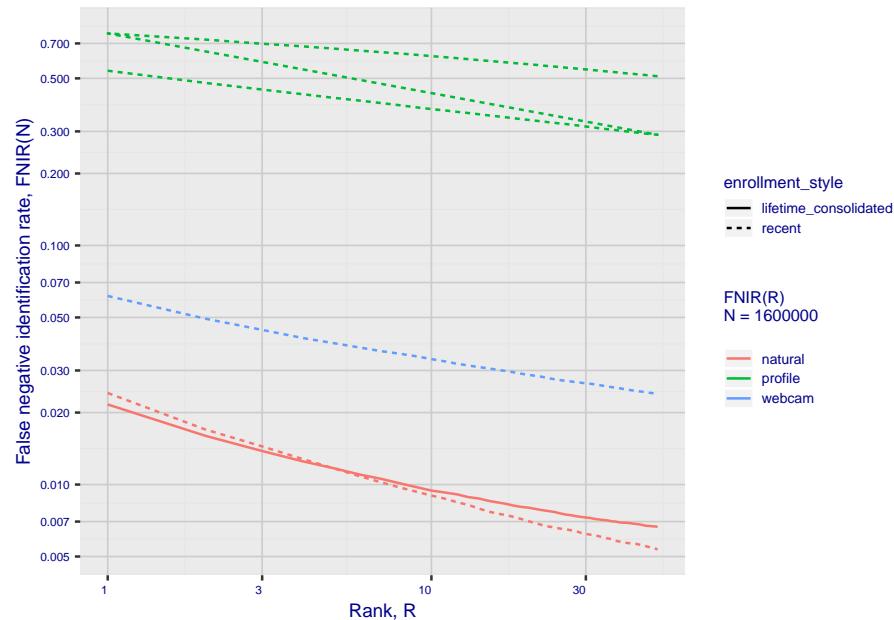


## 2. Report for algorithm realnetworks\_003 2020-03-20 13:18:28

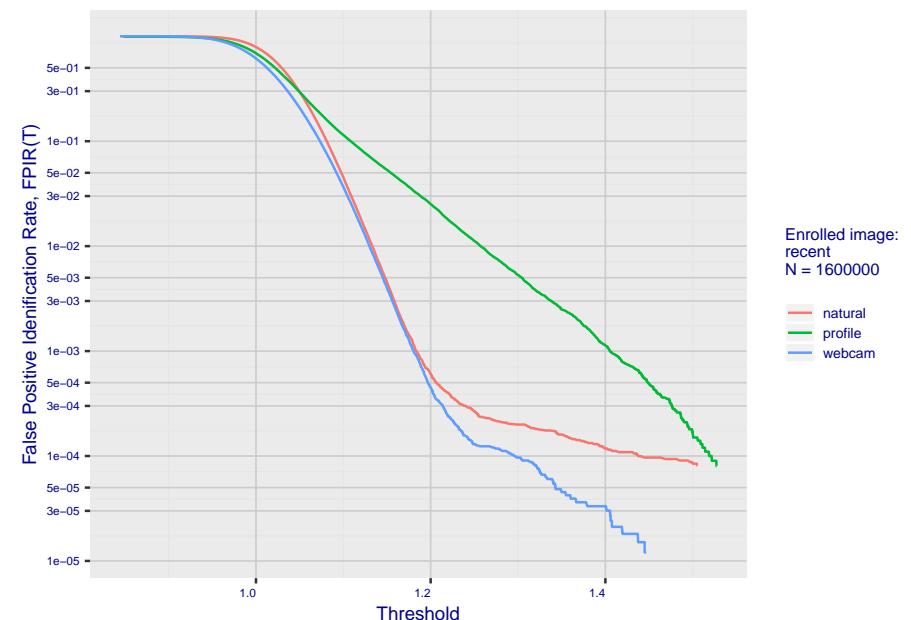
**Fig 5: Dependence on T by number enrolled identities**



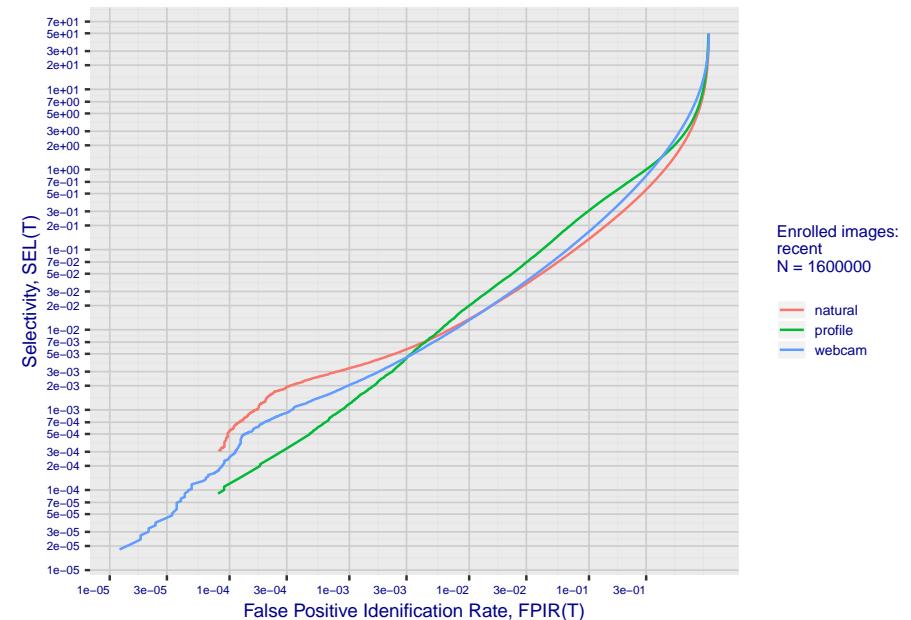
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm realnetworks\_003 2020-03-20 13:18:28

Fig 10: Template duration; search duration vs. N

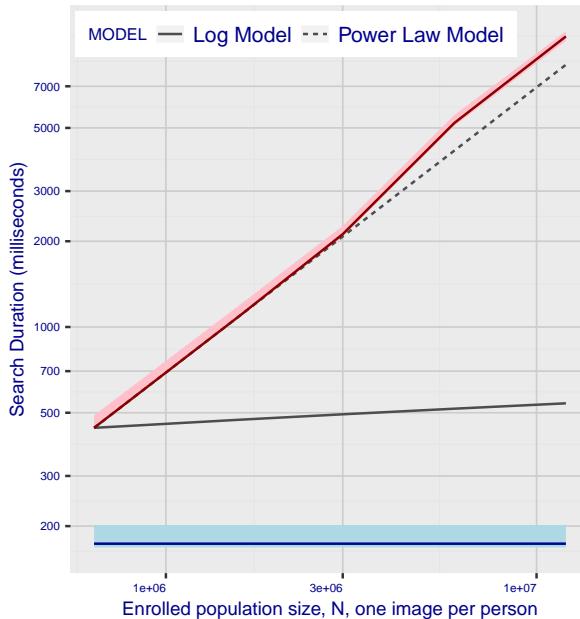
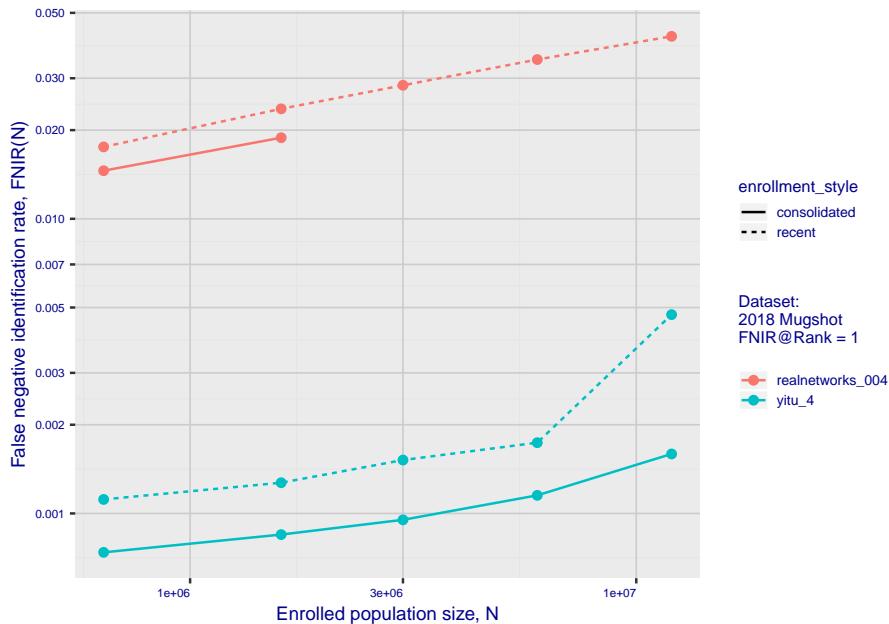


Fig 11: Datasheet

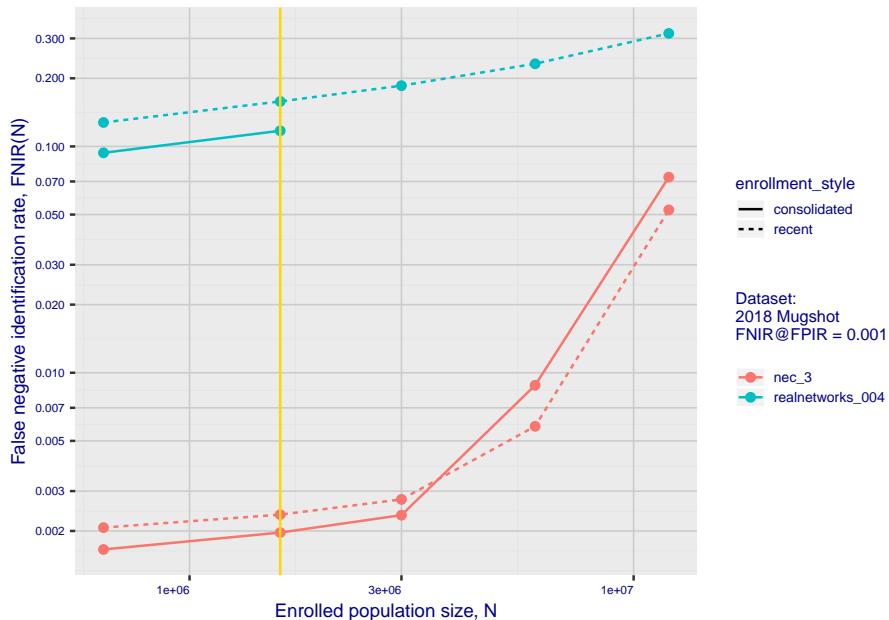
Algorithm: realnetworks_003
Developer: Realnetworks Inc
Submission Date: 2019_06_12
Template size: 1848 bytes
Template time (2.5 percentile): 168 msec
Template time (median): 174 msec
Template time (97.5 percentile): 202 msec
Investigation rank 145 -- FNIR(1600000, 0, 1) = 0.0242 vs. lowest 0.0010 from sensetime_003
Identification rank 132 -- FNIR(1600000, T, L+1) = 0.1589
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm realnetworks\_004 2020-03-20 13:23:06

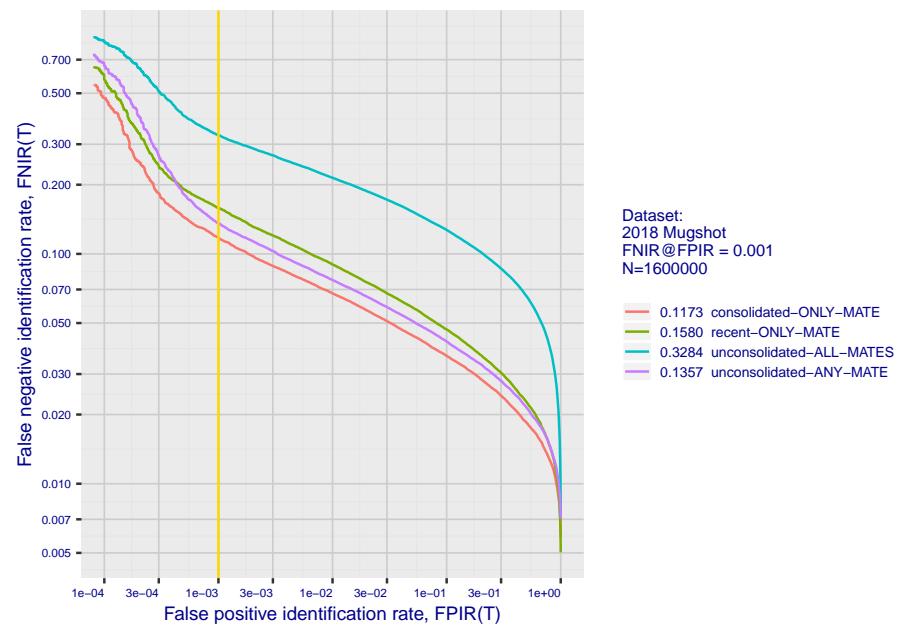
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



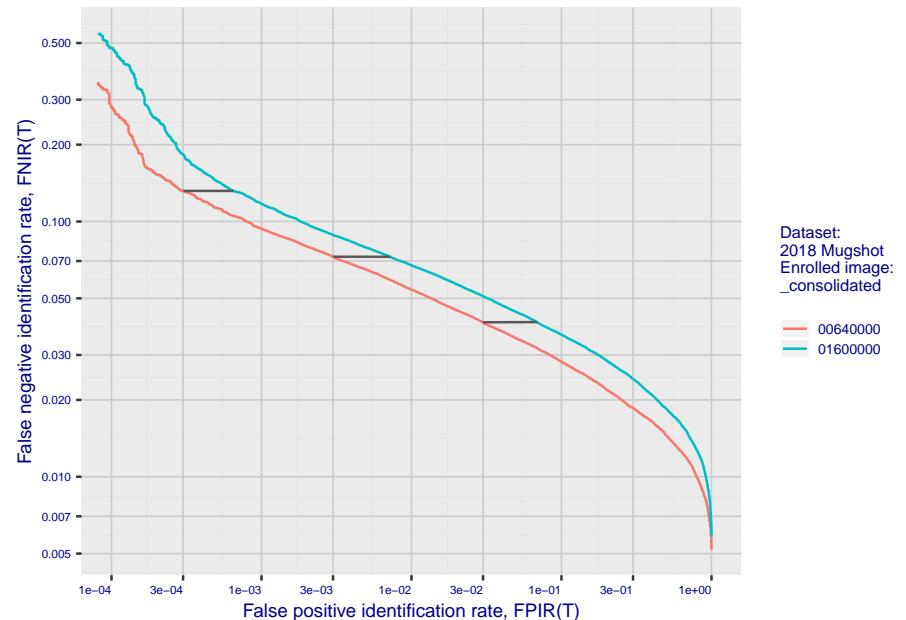
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

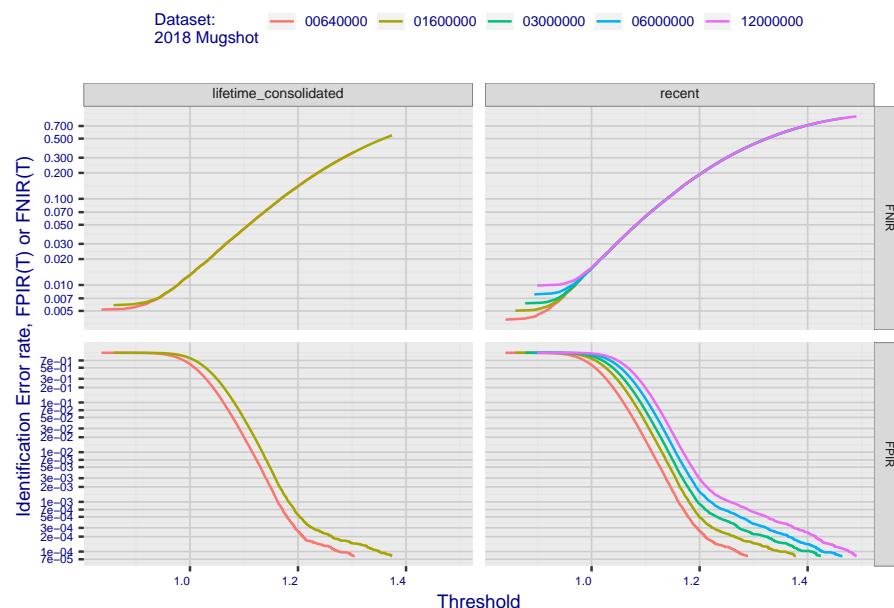


**Fig 4: DET for various N. Links connect points of equal threshold.**

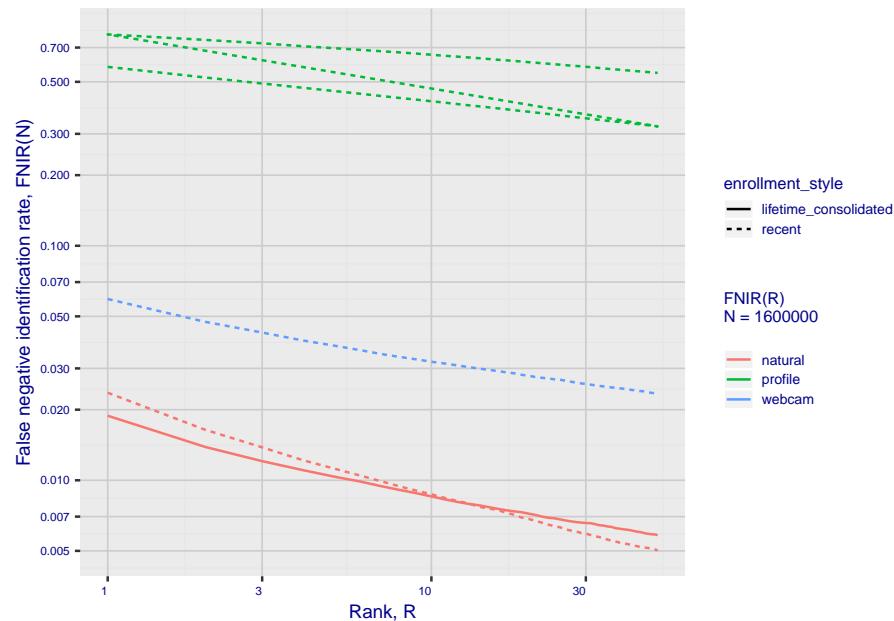


## 2. Report for algorithm realnetworks\_004 2020-03-20 13:23:06

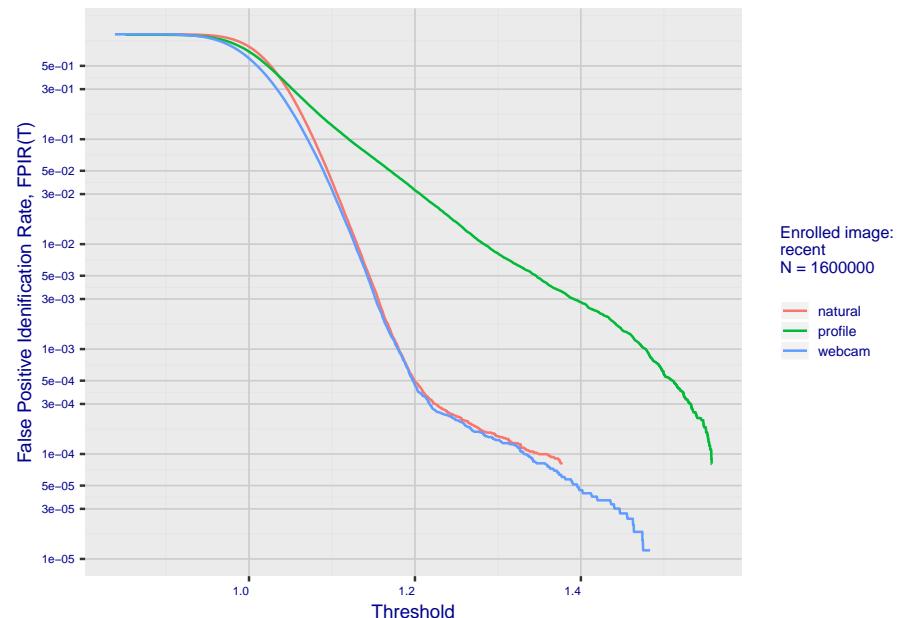
**Fig 5: Dependence on T by number enrolled identities**



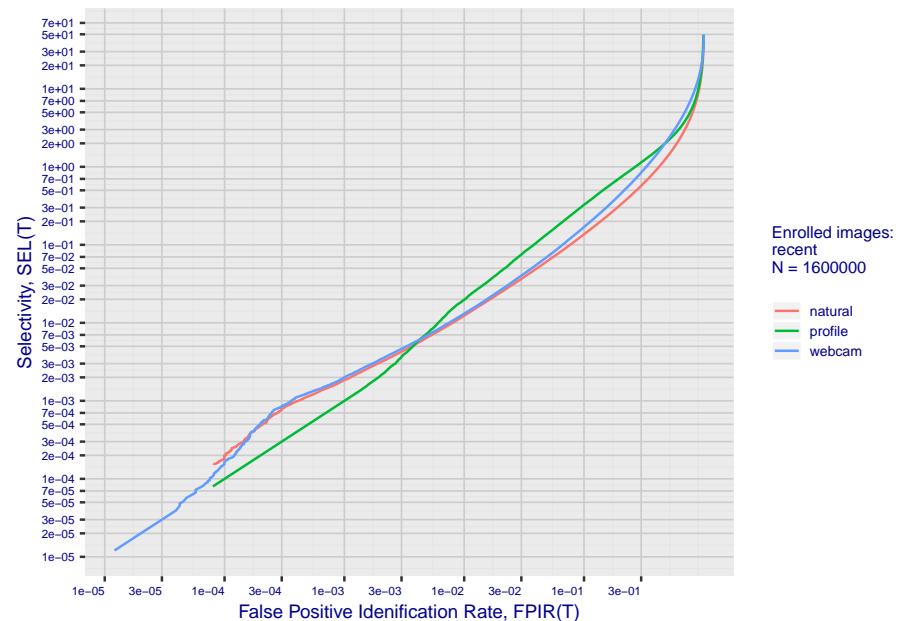
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm realnetworks\_004 2020-03-20 13:23:06

Fig 10: Template duration; search duration vs. N

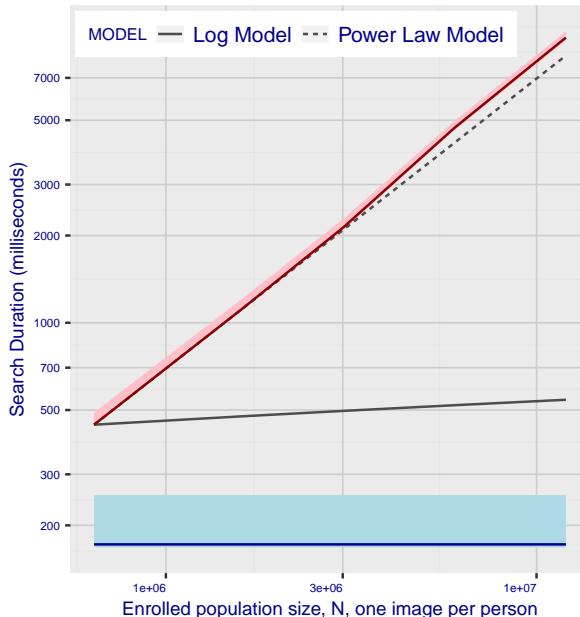
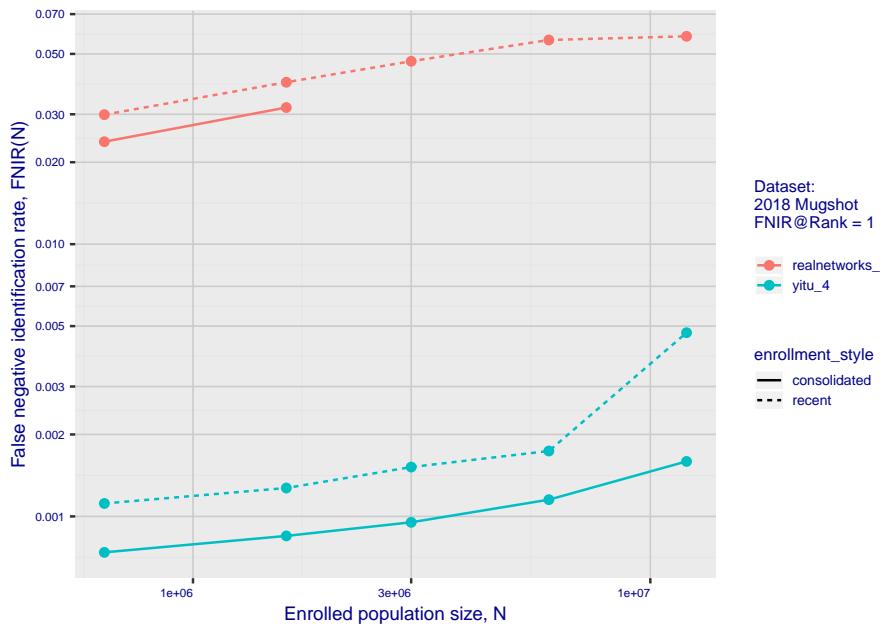


Fig 11: Datasheet

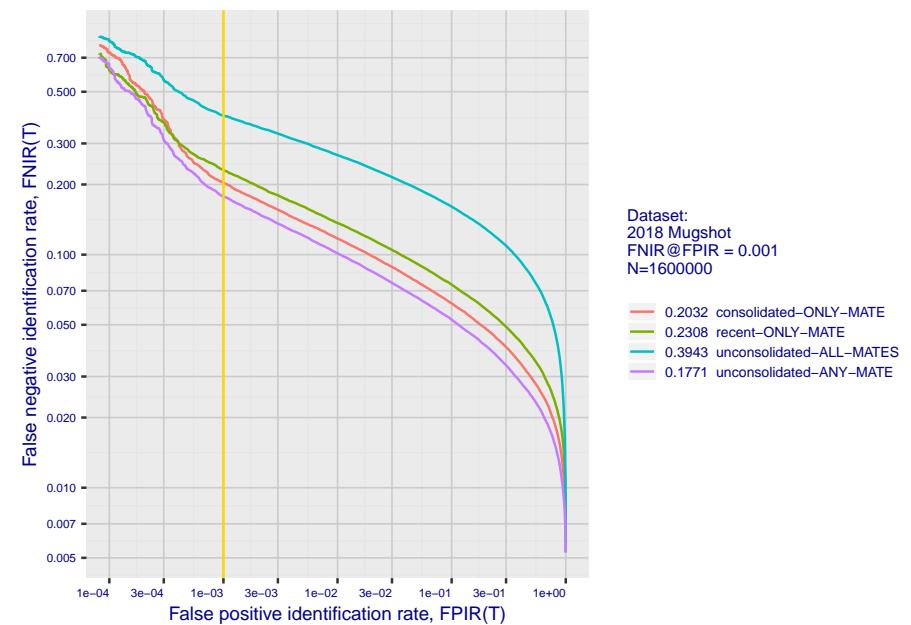
Algorithm: realnetworks_004
Developer: Realnetworks Inc
Submission Date: 2019_10_17
Template size: 1848 bytes
Template time (2.5 percentile): 168 msec
Template time (median): 172 msec
Template time (97.5 percentile): 254 msec
Investigation rank 143 -- FNIR(1600000, 0, 1) = 0.0236 vs. lowest 0.0010 from sensetime_003
Identification rank 131 -- FNIR(1600000, T, L+1) = 0.1580
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm realnetworks\_2 2020-03-20 13:22:10

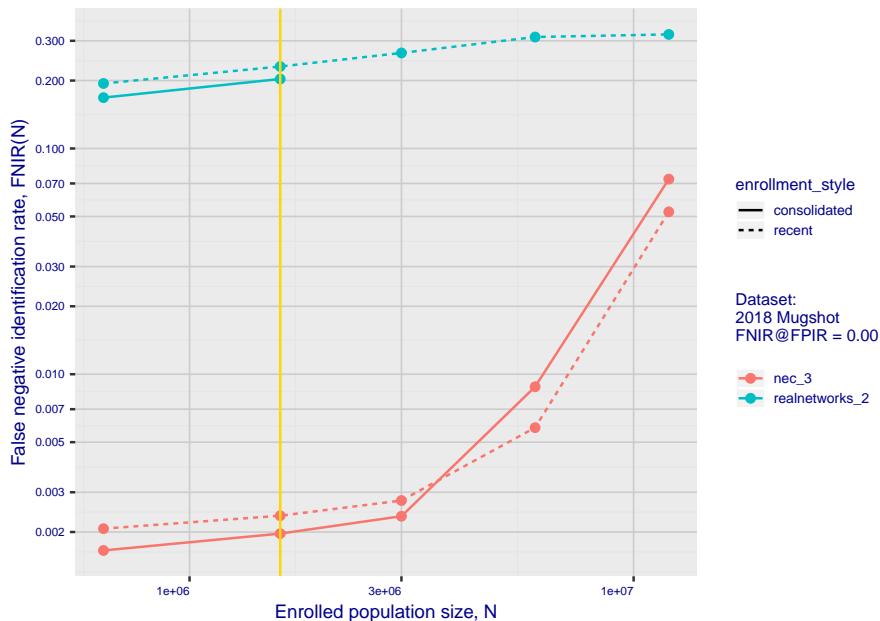
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



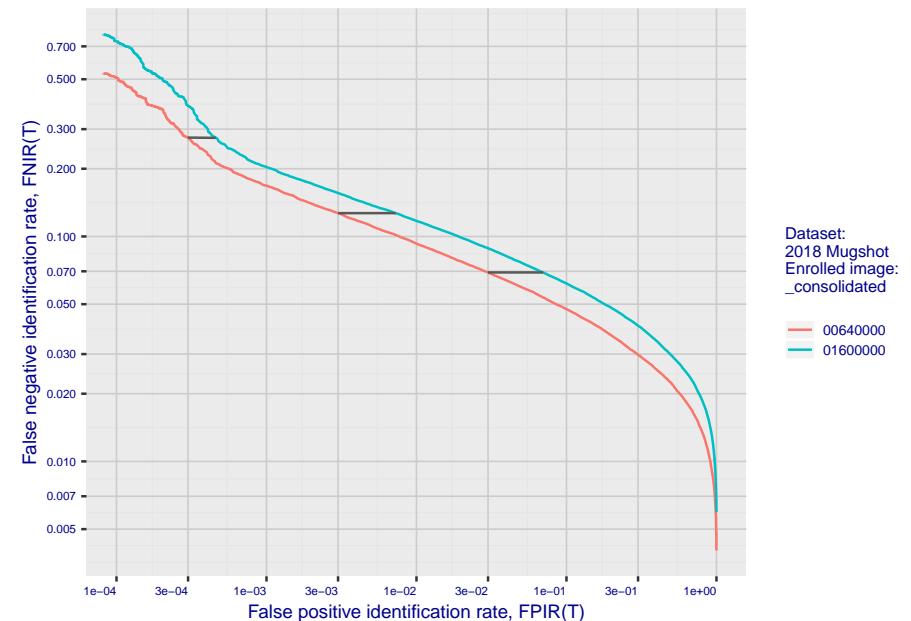
**Fig 2: DETs by enrollment type**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

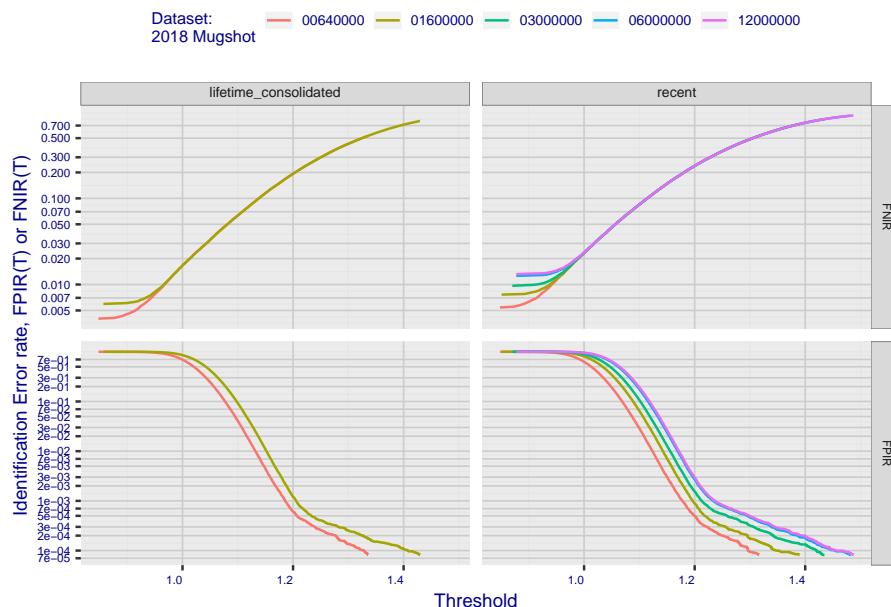


**Fig 4: DET for various N. Links connect points of equal threshold.**

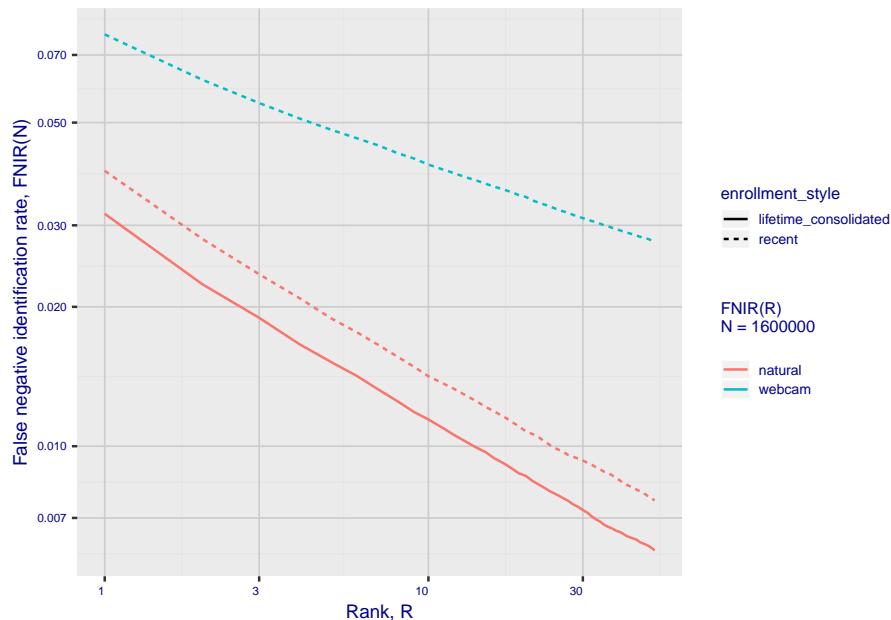


## 2. Report for algorithm realnetworks\_2 2020-03-20 13:22:10

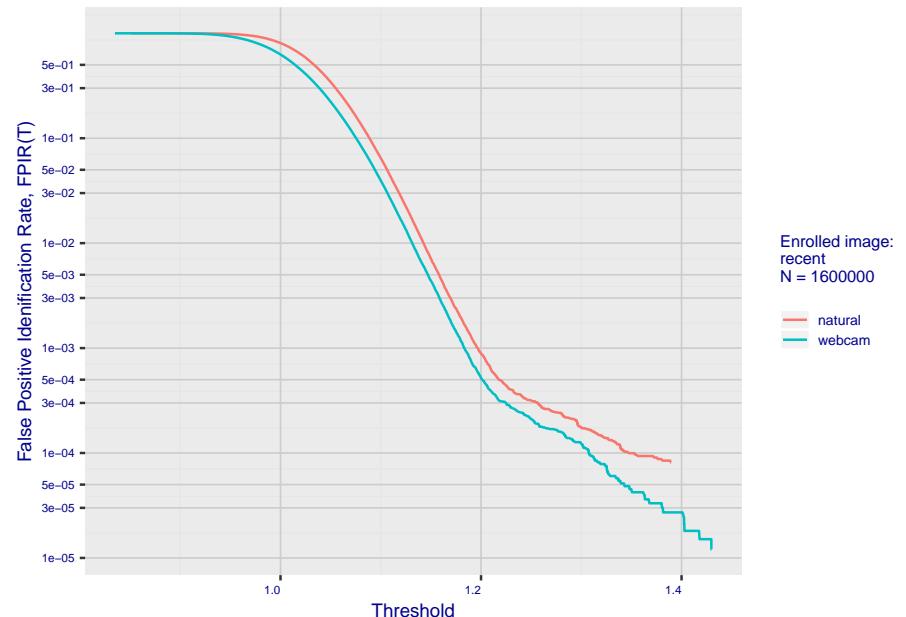
**Fig 5: Dependence on T by number enrolled identities**



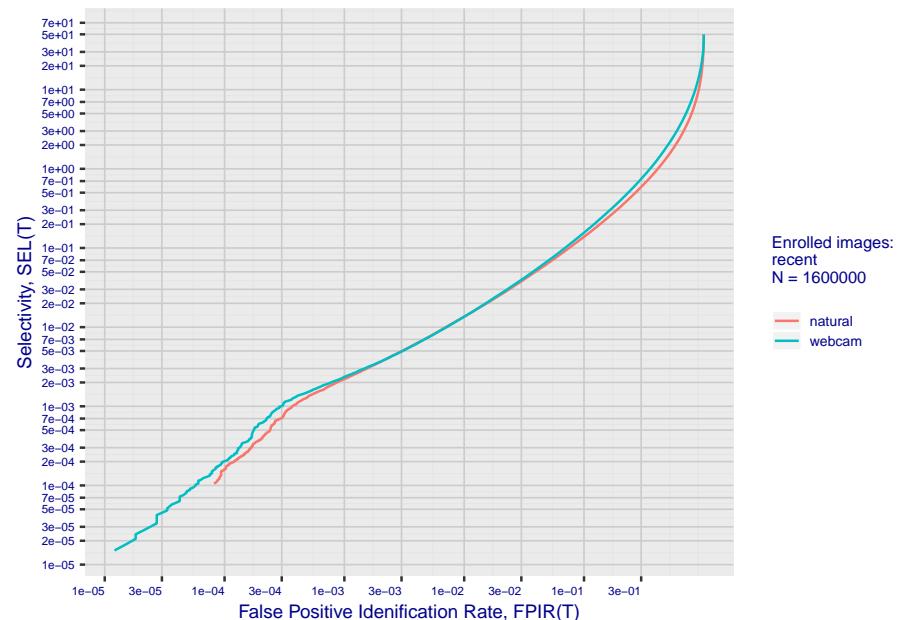
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

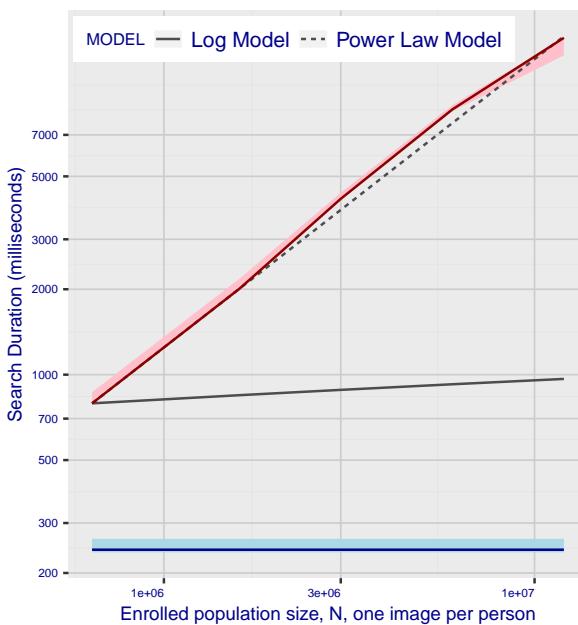


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm realnetworks\_2 2020-03-20 13:22:10

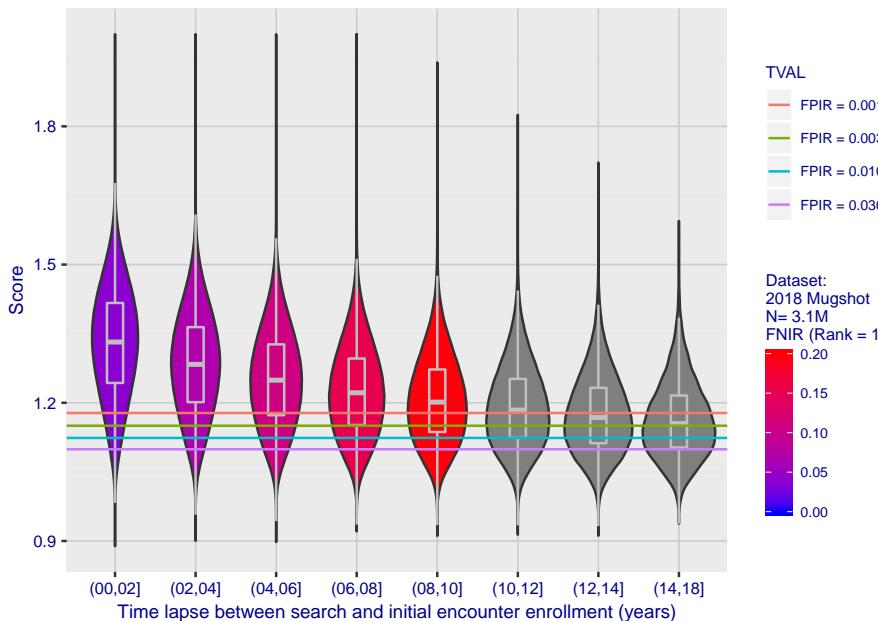
**Fig 10: Template duration; search duration vs. N**



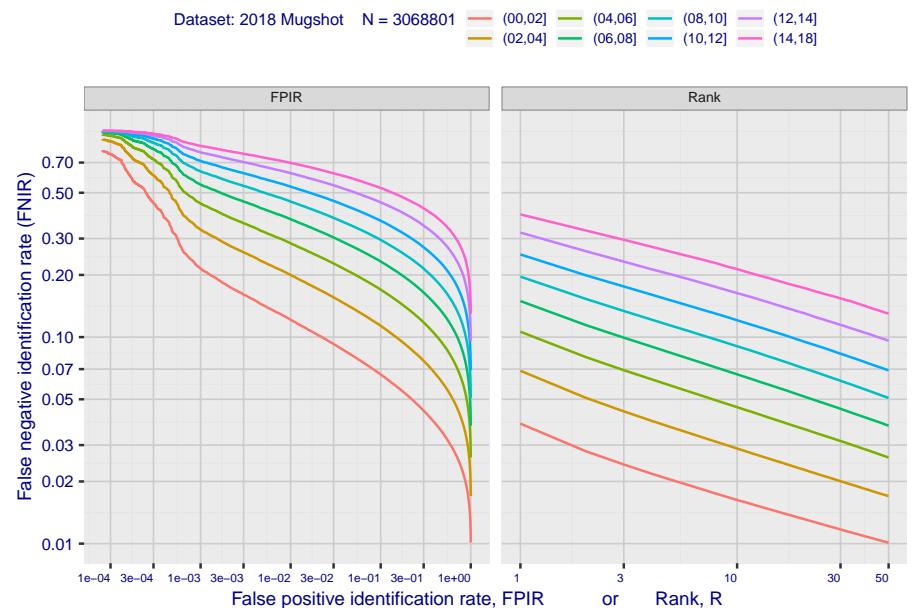
**Fig 11: Datasheet**

Algorithm: realnetworks_2
Developer: Realnetworks Inc
Submission Date: 2018_10_30
Template size: 4104 bytes
Template time (2.5 percentile): 236 msec
Template time (median): 242 msec
Template time (97.5 percentile): 264 msec
Investigation rank 160 -- FNIR(1600000, 0, 1) = 0.0393 vs. lowest 0.0010 from sensetime_003
Identification rank 151 -- FNIR(1600000, T, L+1) = 0.2308
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

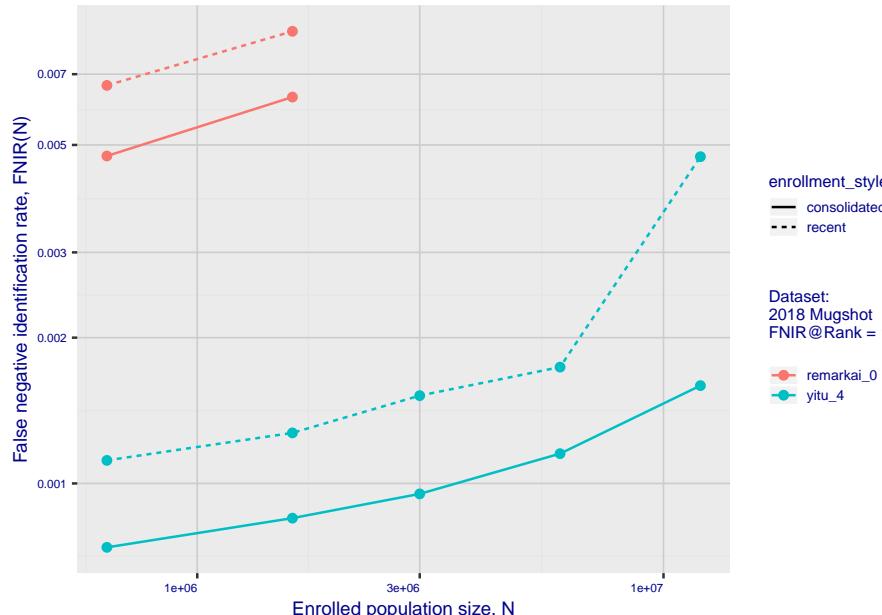


**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

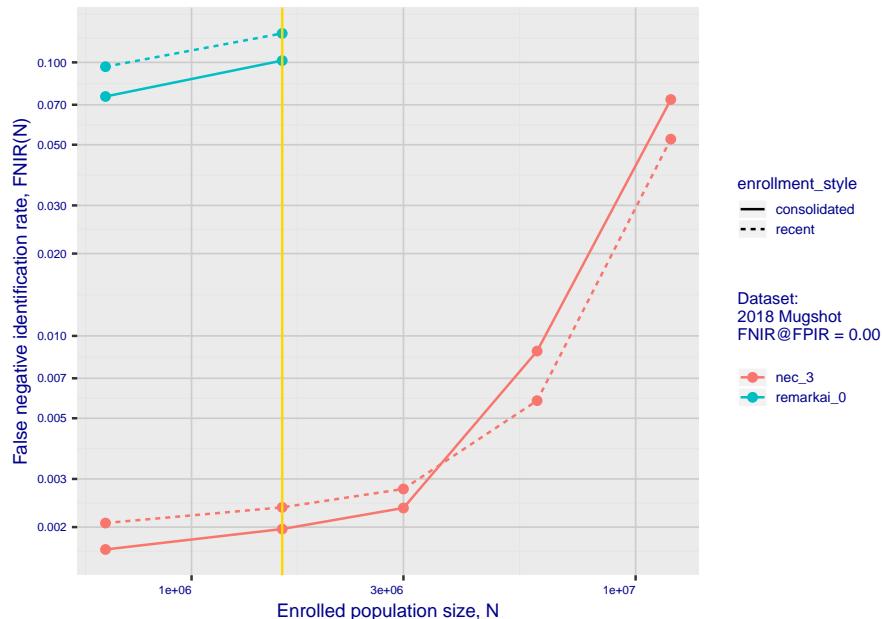


## 1. Report for algorithm remarkai\_0 2020-03-20 13:24:16

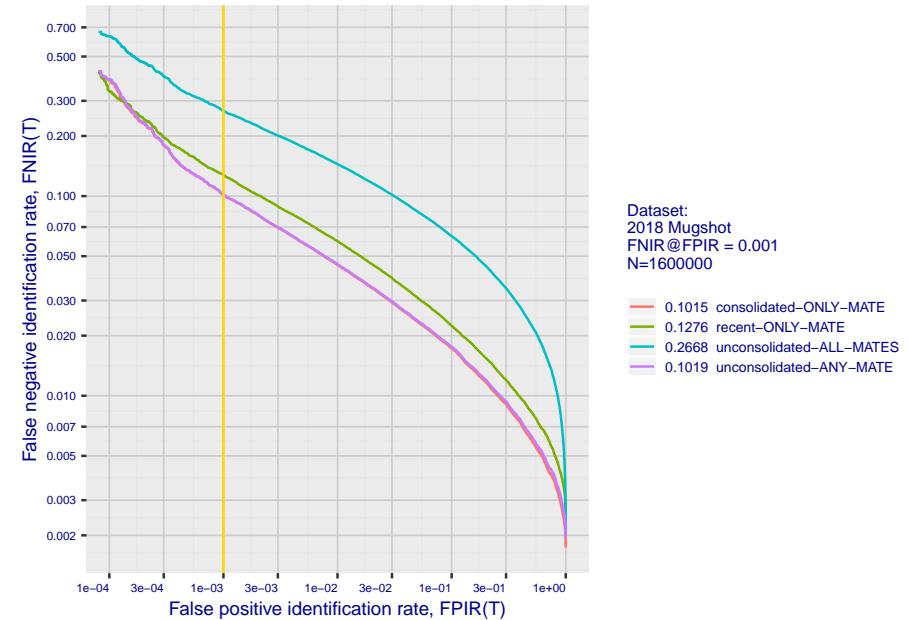
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



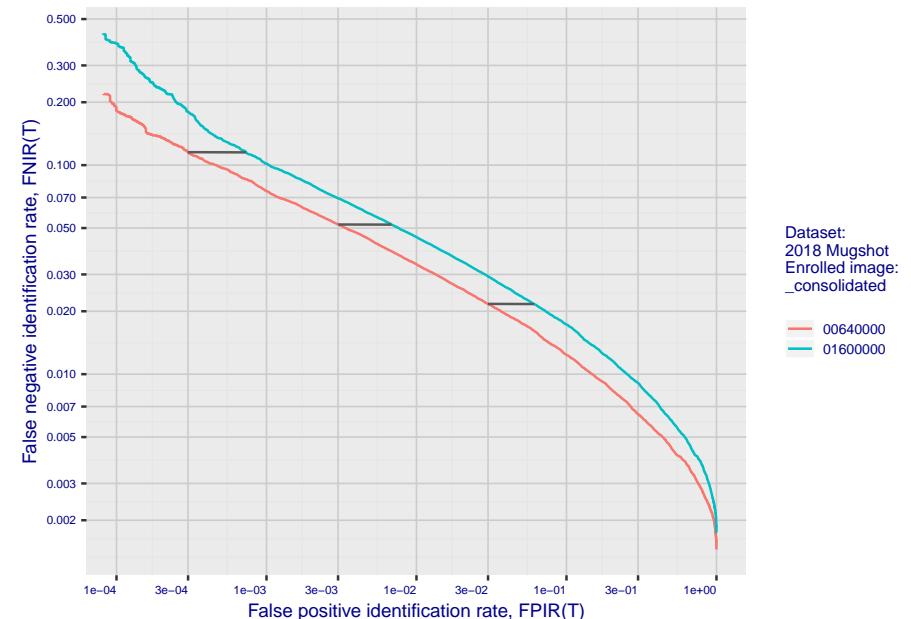
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

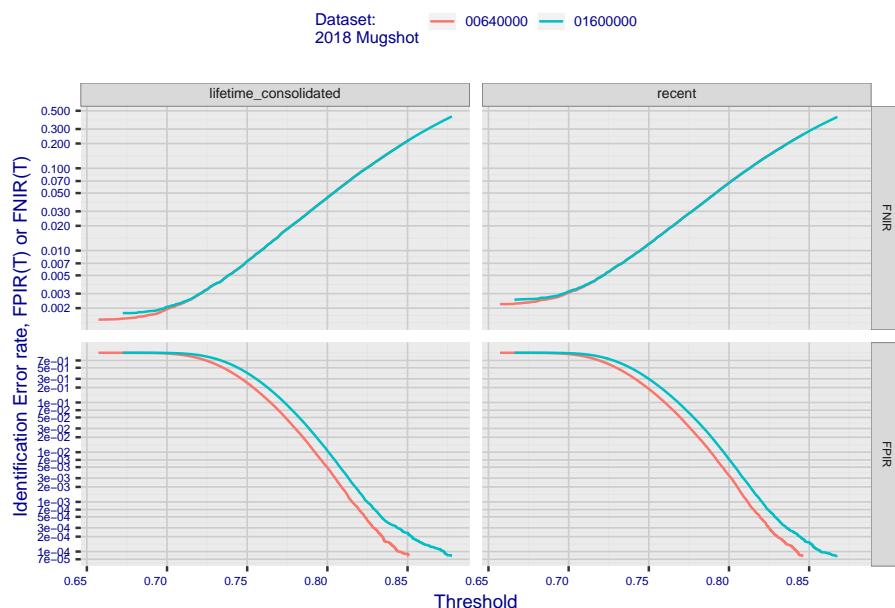


**Fig 4: DET for various N. Links connect points of equal threshold.**

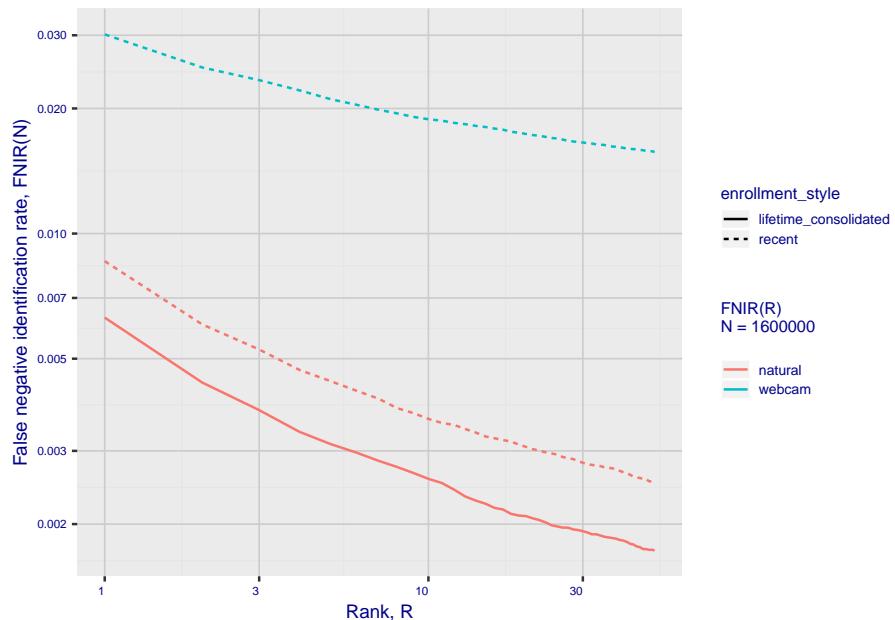


## 2. Report for algorithm remarkai\_0 2020-03-20 13:24:16

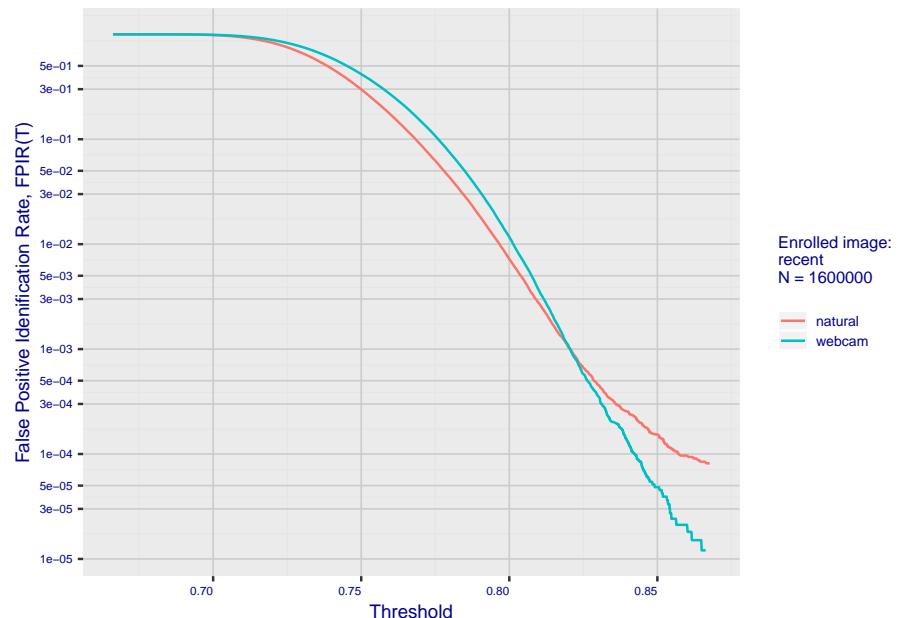
**Fig 5: Dependence on T by number enrolled identities**



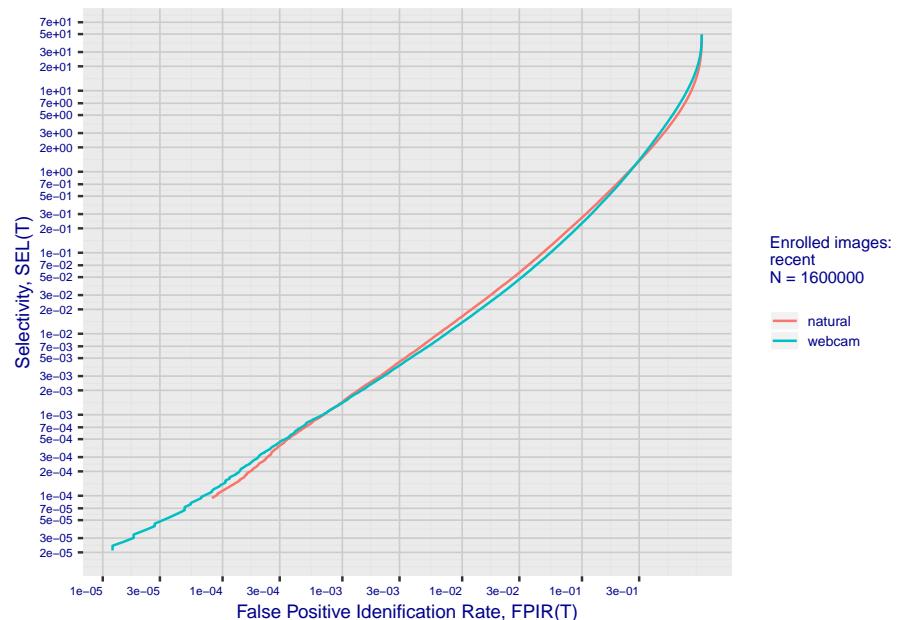
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm remarkai\_0 2020-03-20 13:24:16

Fig 10: Template duration; search duration vs. N

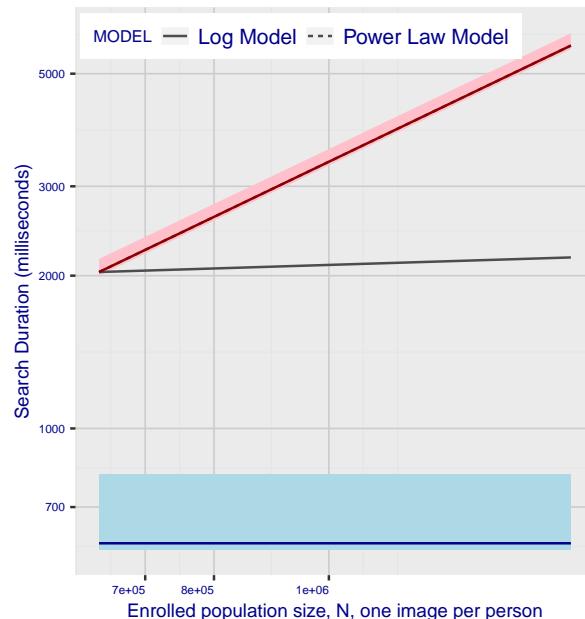
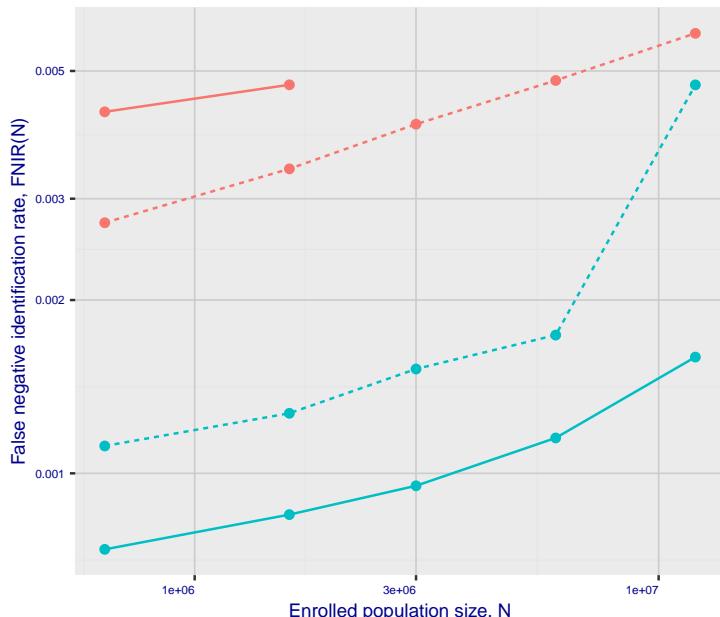


Fig 11: Datasheet

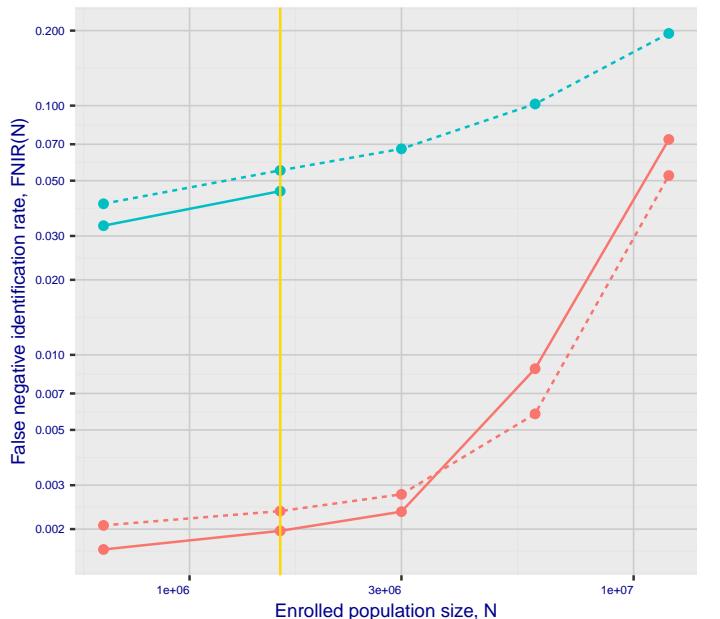
Algorithm:	remarkai_0
Developer:	Remark Holdings
Submission Date:	2018_10_30
Template size:	2048 bytes
Template time (2.5 percentile):	578 msec
Template time (median):	594 msec
Template time (97.5 percentile):	814 msec
Investigation rank 88 -- FNIR(1600000, 0, 1) = 0.0086 vs. lowest 0.0010 from sensetime_003	
Identification rank 123 -- FNIR(1600000, T, L+1) = 0.1276	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

## 1. Report for algorithm remarkai\_000 2020-03-20 13:20:53

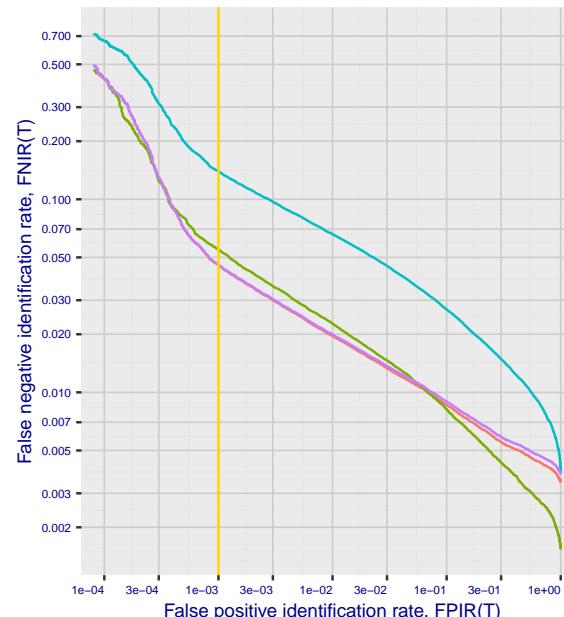
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



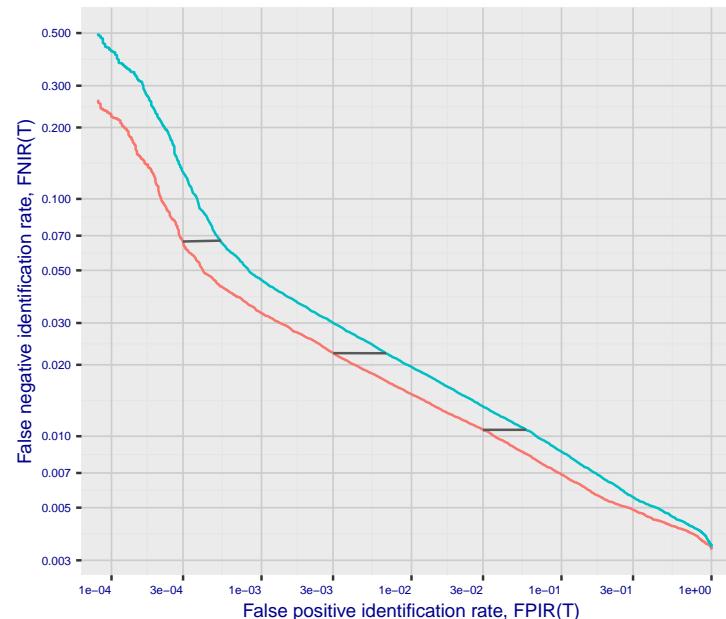
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

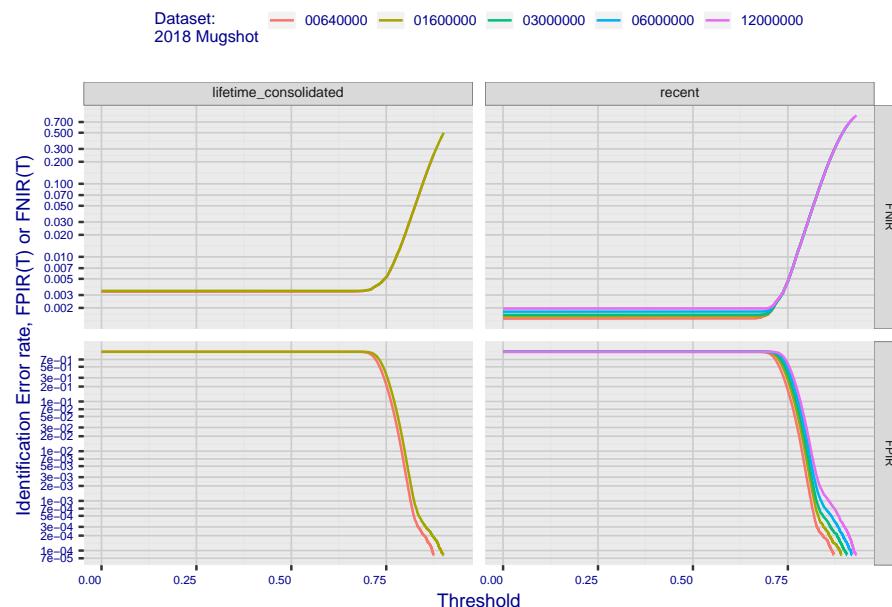


**Fig 4: DET for various N. Links connect points of equal threshold.**

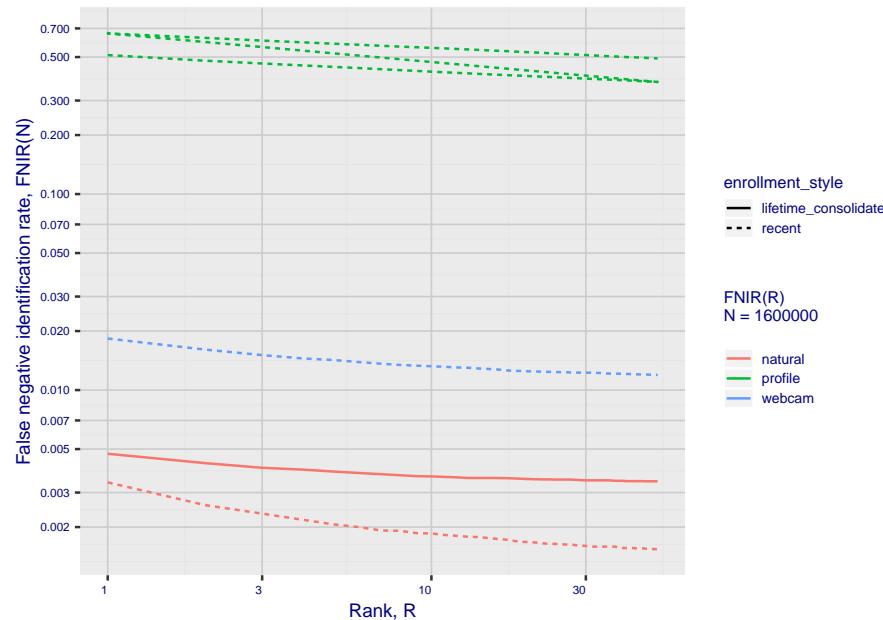


## 2. Report for algorithm remarkai\_000 2020-03-20 13:20:53

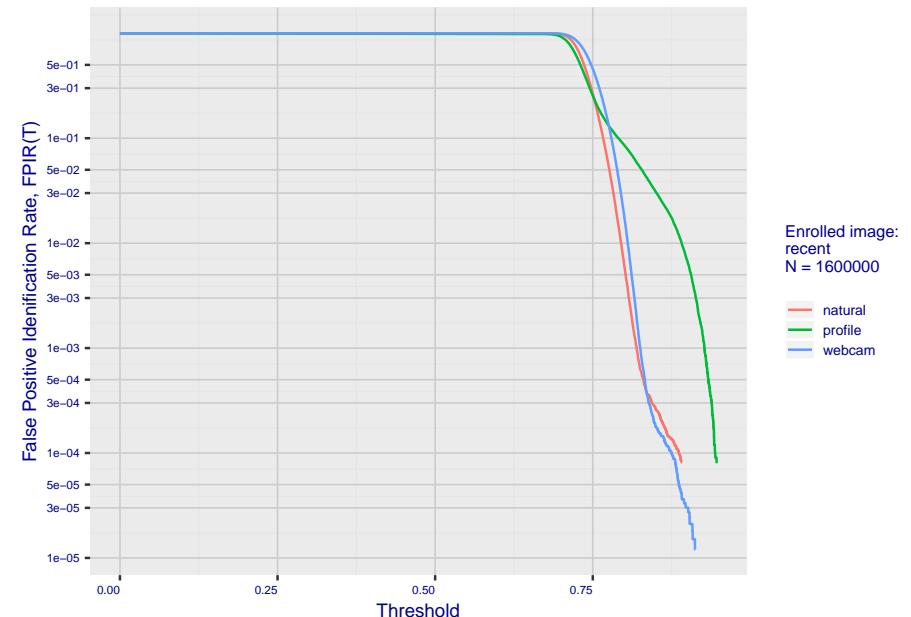
**Fig 5: Dependence on T by number enrolled identities**



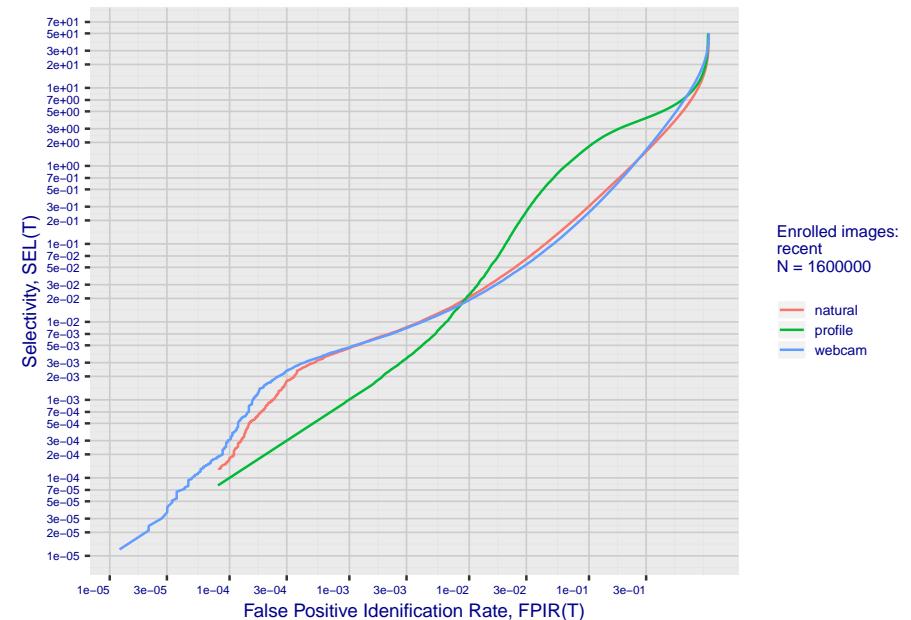
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm remarkai\_000 2020-03-20 13:20:53

Fig 10: Template duration; search duration vs. N

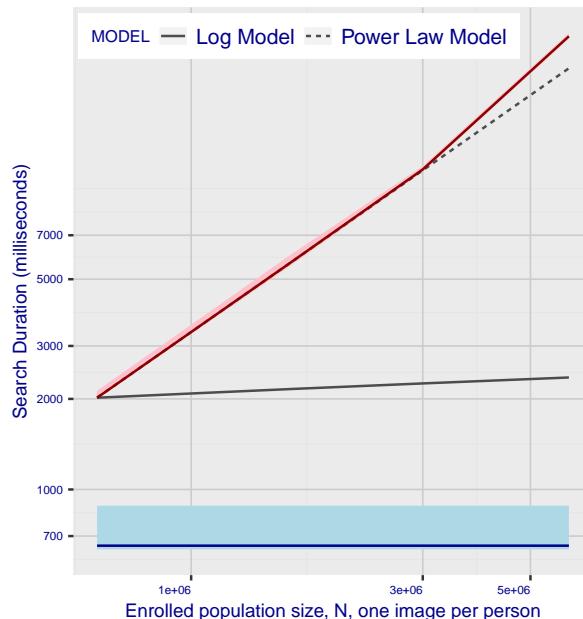
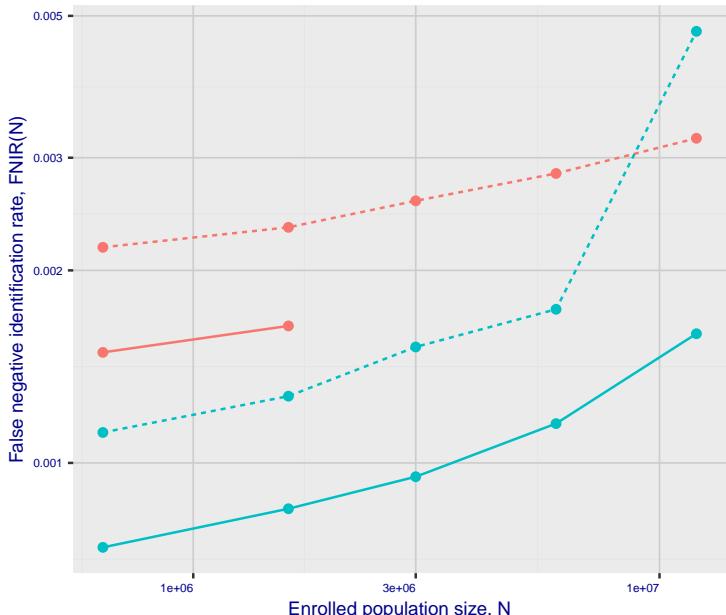


Fig 11: Datasheet

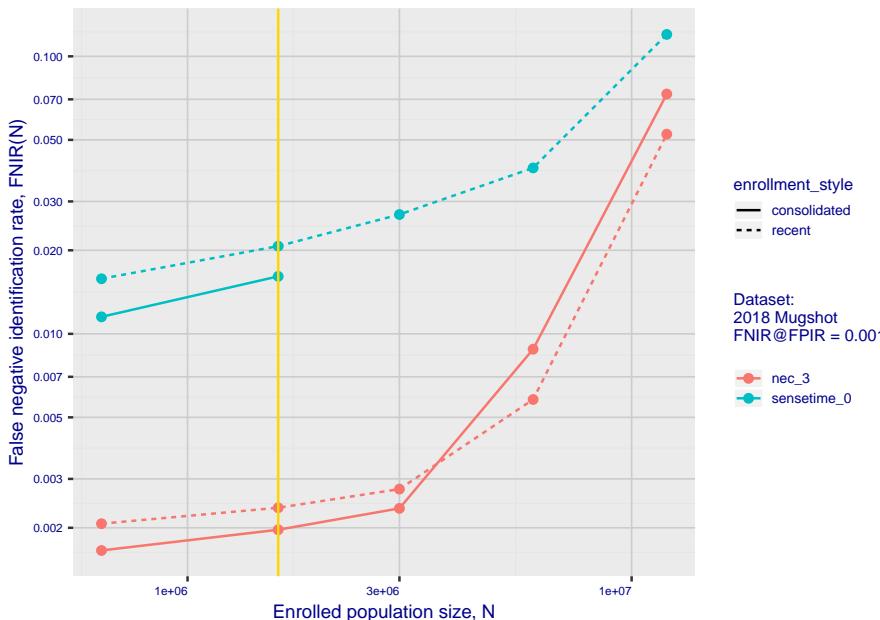
Algorithm:	remarkai_000
Developer:	Remark Holdings
Submission Date:	2019_06_12
Template size:	2048 bytes
Template time (2.5 percentile):	632 msec
Template time (median):	650 msec
Template time (97.5 percentile):	883 msec
Investigation rank 34 --- FNIR(1600000, 0, 1) =	0.0034 vs. lowest 0.0010 from sensetime_003
Identification rank 70 --- FNIR(1600000, T, L+1) =	0.0550
PPIR = 0.001 vs.	lowest 0.0018 from sensetime_003

# 1. Report for algorithm sensetime\_0 2020-03-20 13:20:44

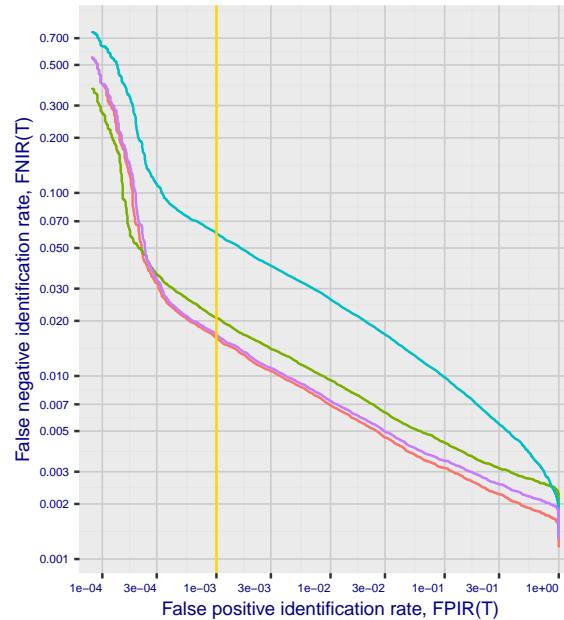
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



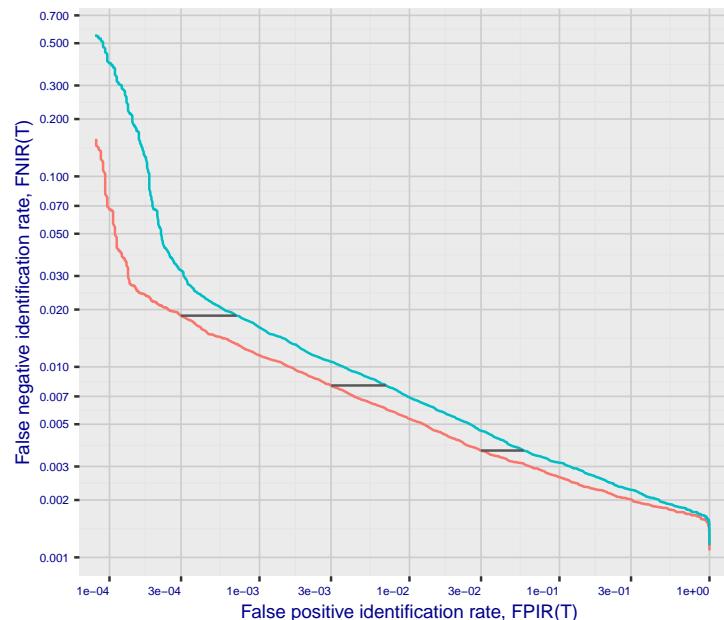
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

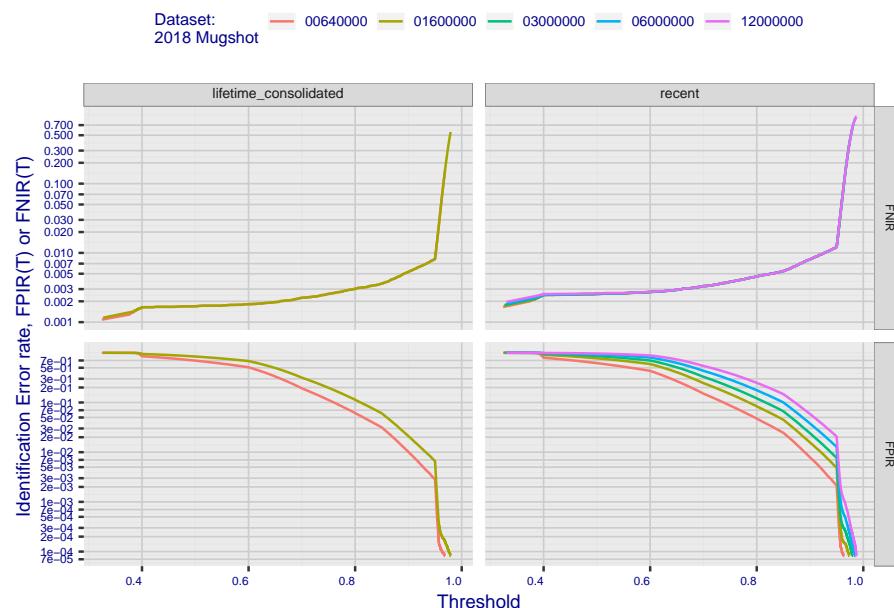


**Fig 4: DET for various N. Links connect points of equal threshold.**

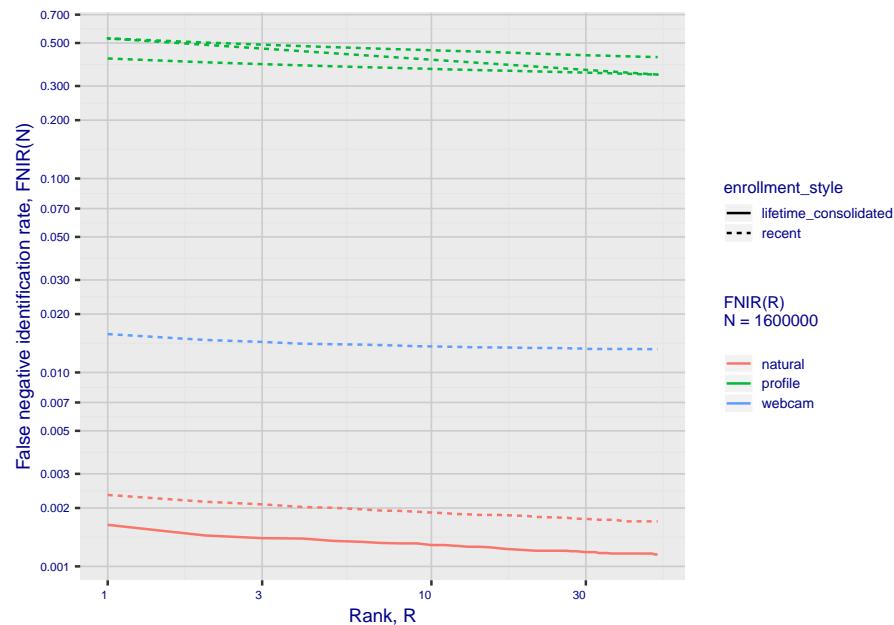


## 2. Report for algorithm sensetime\_0 2020-03-20 13:20:44

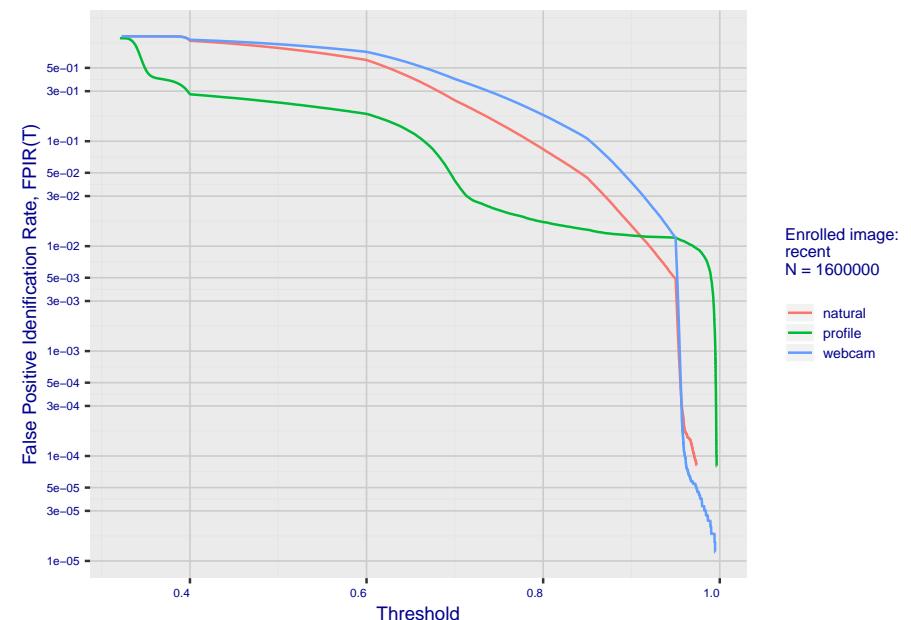
**Fig 5: Dependence on T by number enrolled identities**



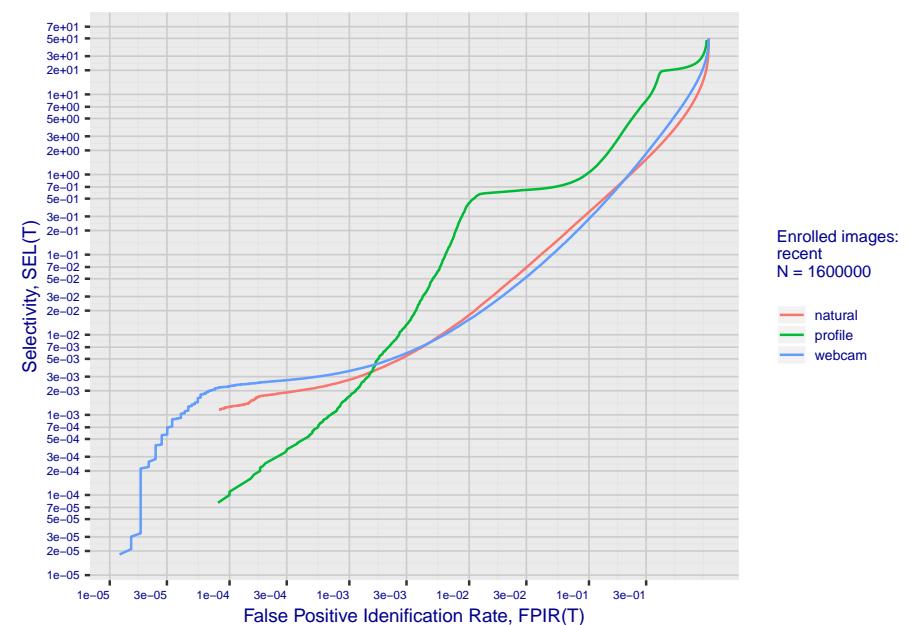
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm sensetime\_0 2020-03-20 13:20:44

Fig 10: Template duration; search duration vs. N

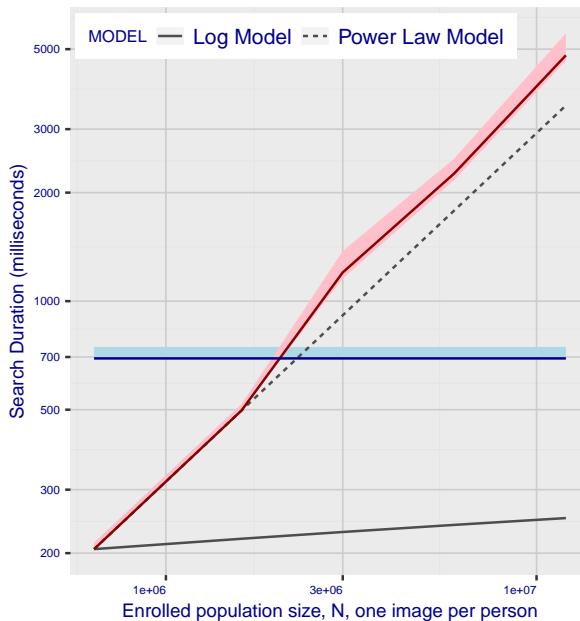
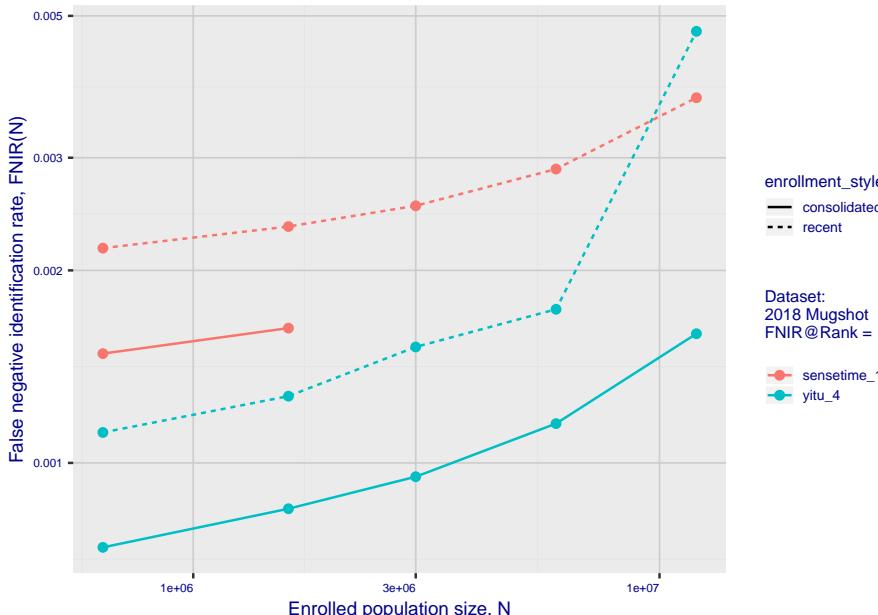


Fig 11: Datasheet

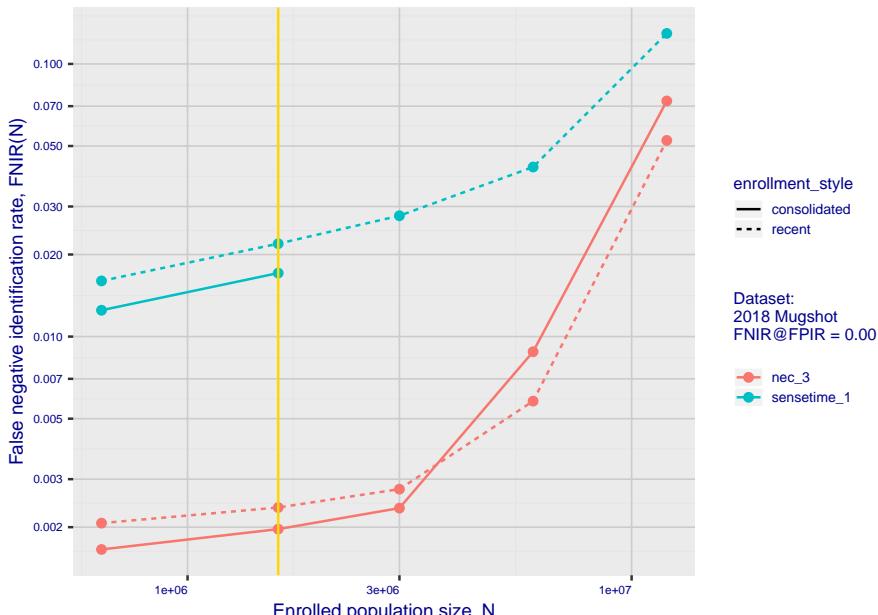
Algorithm:	sensetime_0
Developer:	Sensetime Group
Submission Date:	2018_10_30
Template size:	4104 bytes
Template time (2.5 percentile):	692 msec
Template time (median):	694 msec
Template time (97.5 percentile):	746 msec
Investigation rank 21 -- FNIR(1600000, 0, 1) =	0.0023 vs. lowest 0.0010 from sensetime_000
Identification rank 17 -- FNIR(1600000, T, L+1) =	0.0207
PPIR = 0.001 vs.	lowest 0.0018 from sensetime_003

# 1. Report for algorithm sensetime\_1 2020-03-20 13:20:43

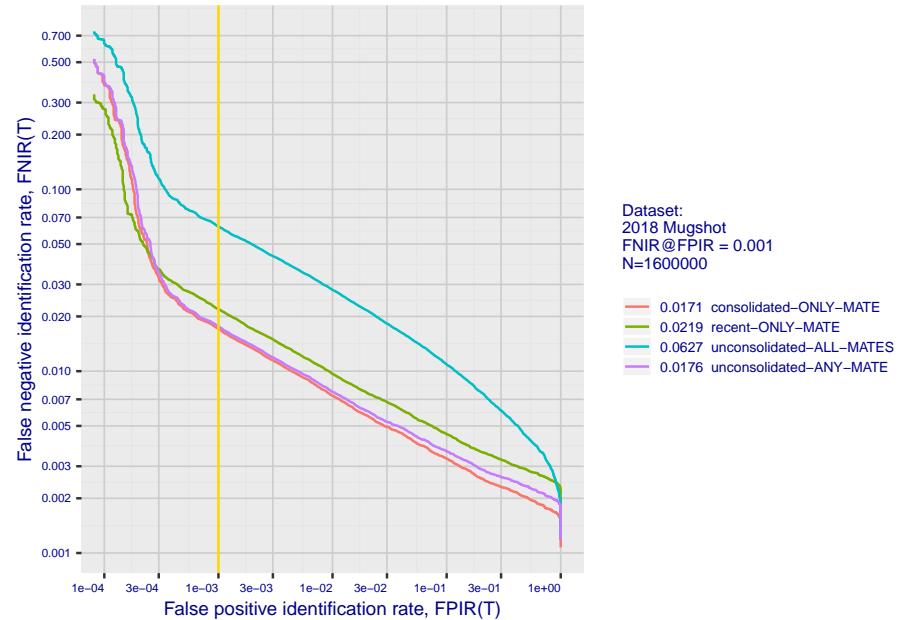
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



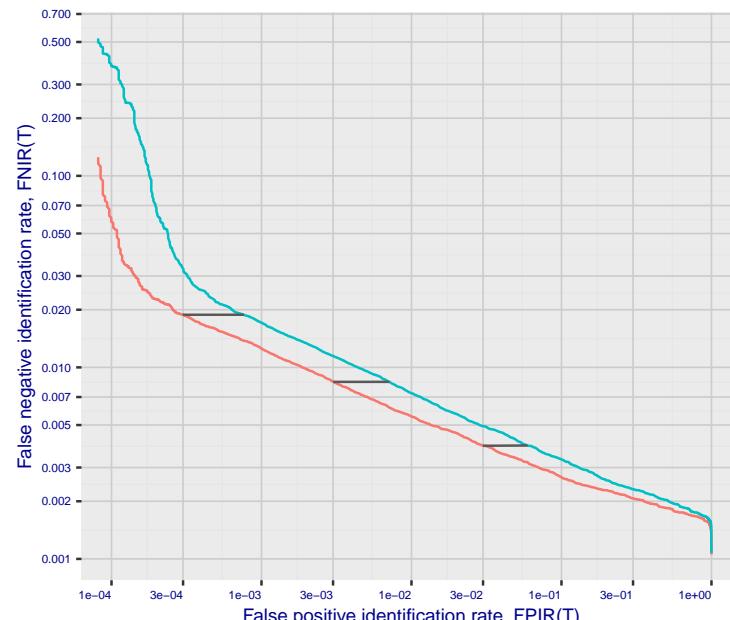
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

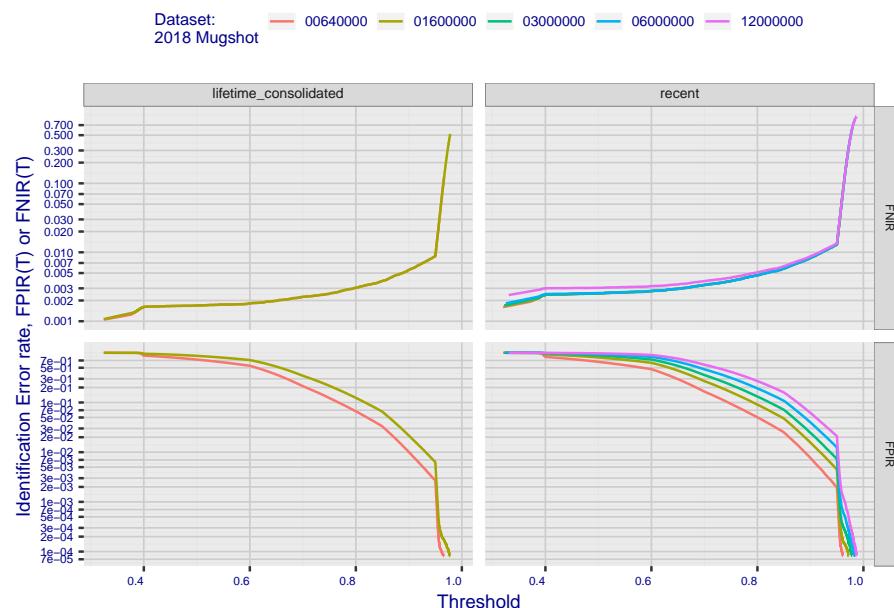


**Fig 4: DET for various N. Links connect points of equal threshold.**

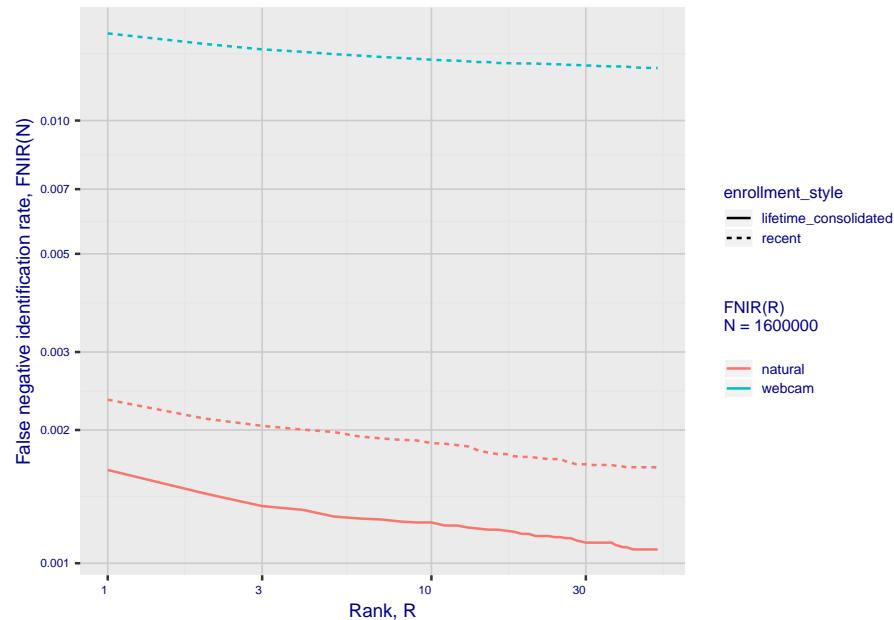


## 2. Report for algorithm sensetime\_1 2020-03-20 13:20:43

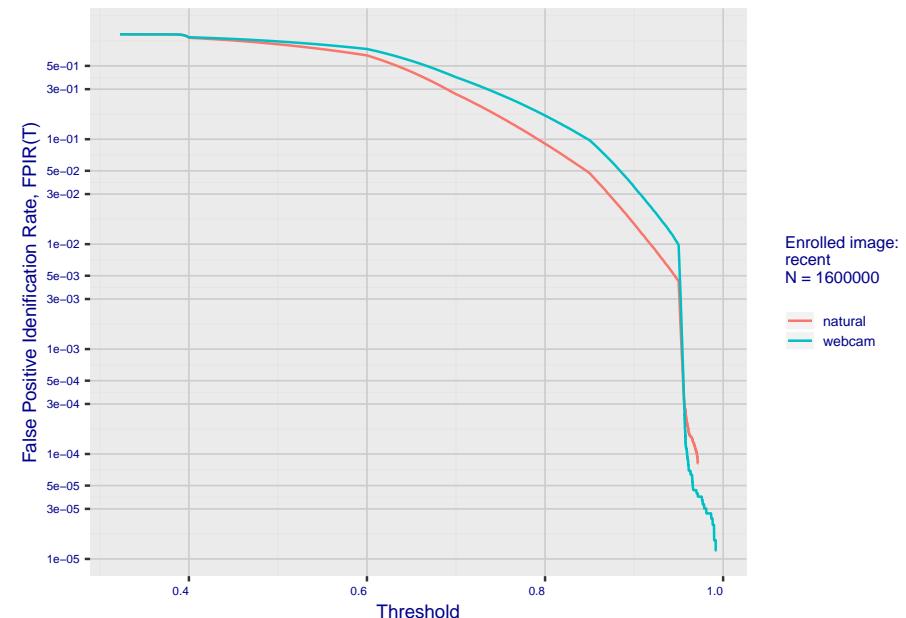
**Fig 5: Dependence on T by number enrolled identities**



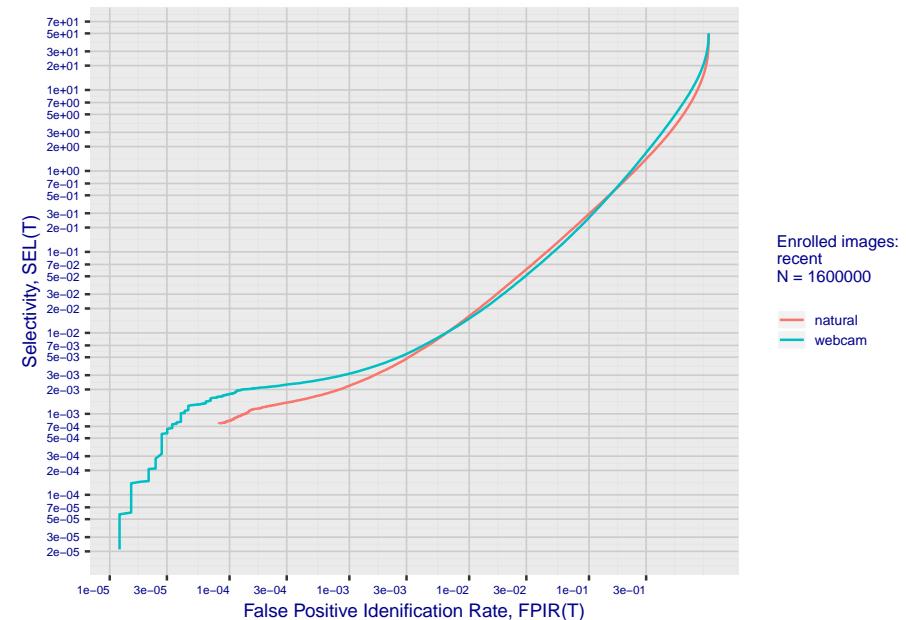
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm sensetime\_1 2020-03-20 13:20:43

Fig 10: Template duration; search duration vs. N

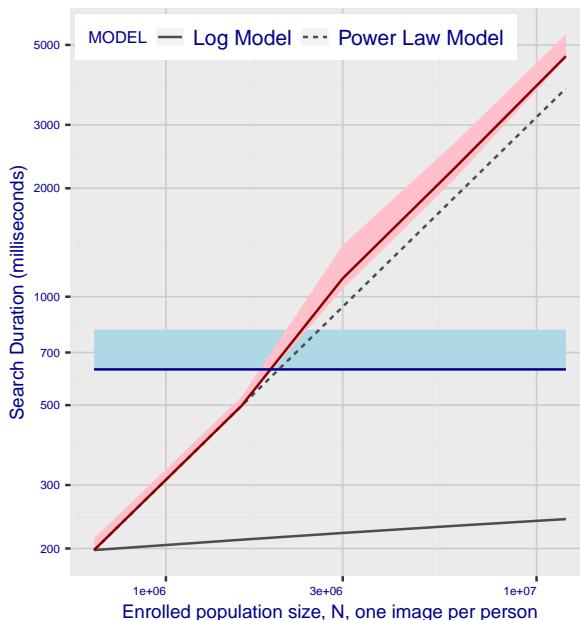
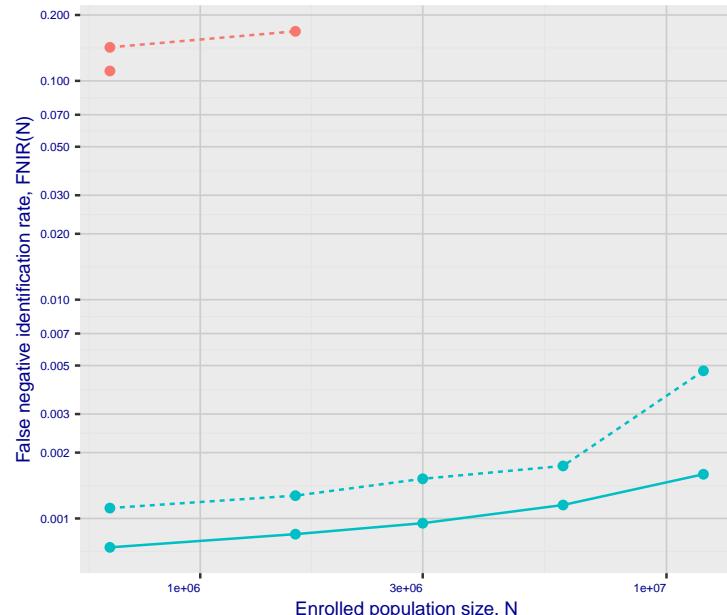


Fig 11: Datasheet

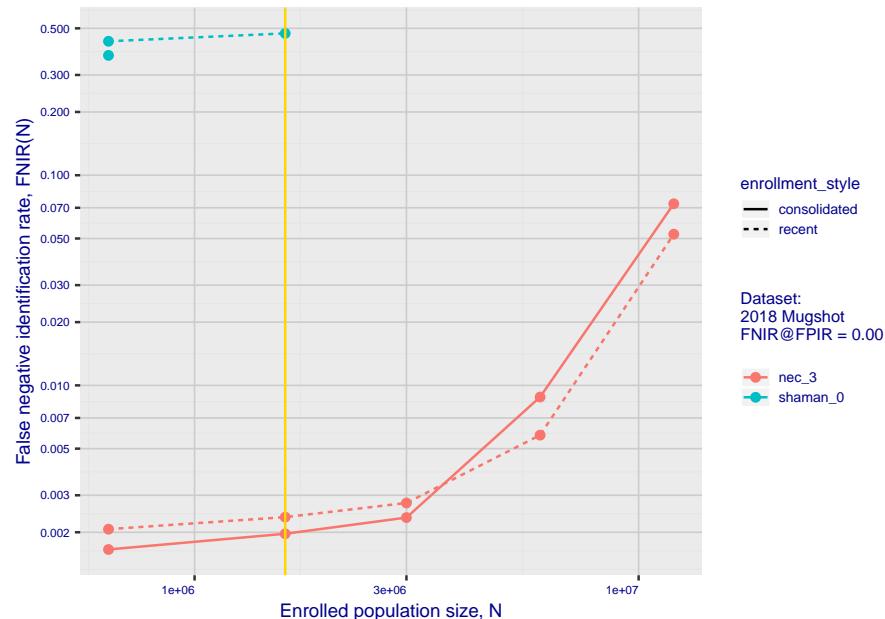
Algorithm:	sensetime_1
Developer:	Sensetime Group
Submission Date:	2018_10_30
Template size:	4104 bytes
Template time (2.5 percentile):	627 msec
Template time (median):	628 msec
Template time (97.5 percentile):	810 msec
Investigation rank 22 --- FNIR(1600000, 0, 1) =	0.0023 vs. lowest 0.0010 from sensetime_000
Identification rank 20 --- FNIR(1600000, T, L+1) =	0.0219
PPIR = 0.001 vs.	lowest 0.0018 from sensetime_003

# 1. Report for algorithm shaman\_0 2020-03-20 13:20:29

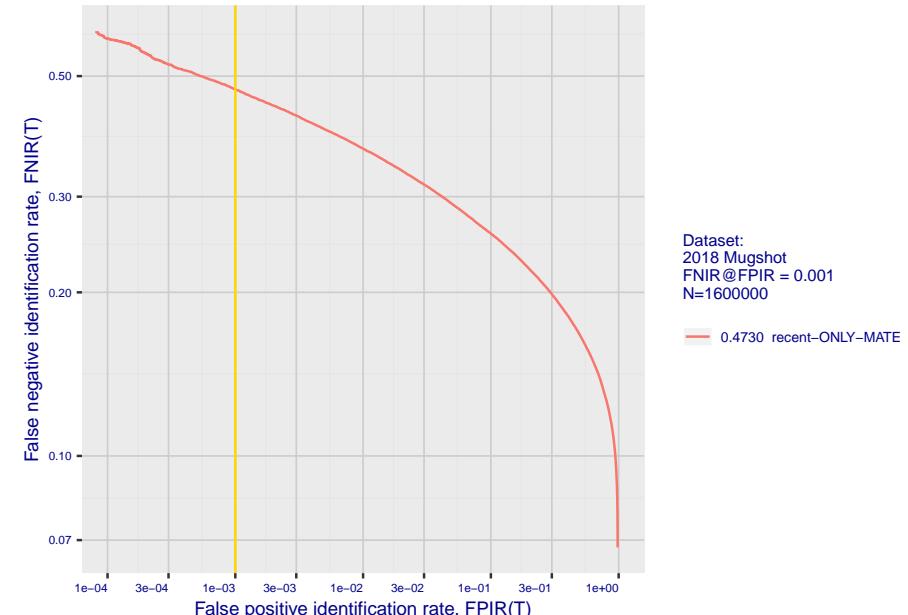
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



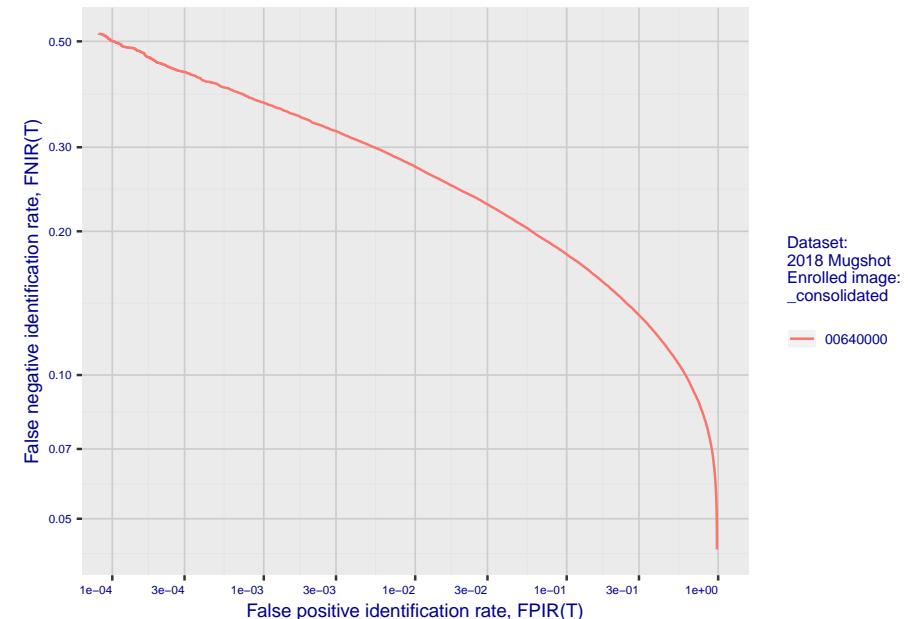
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

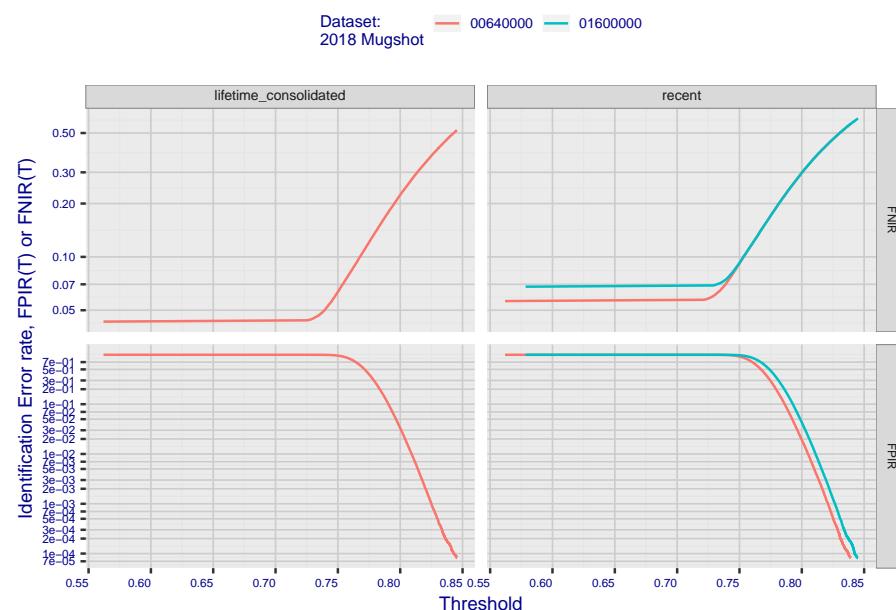


**Fig 4: DET for various N. Links connect points of equal threshold.**

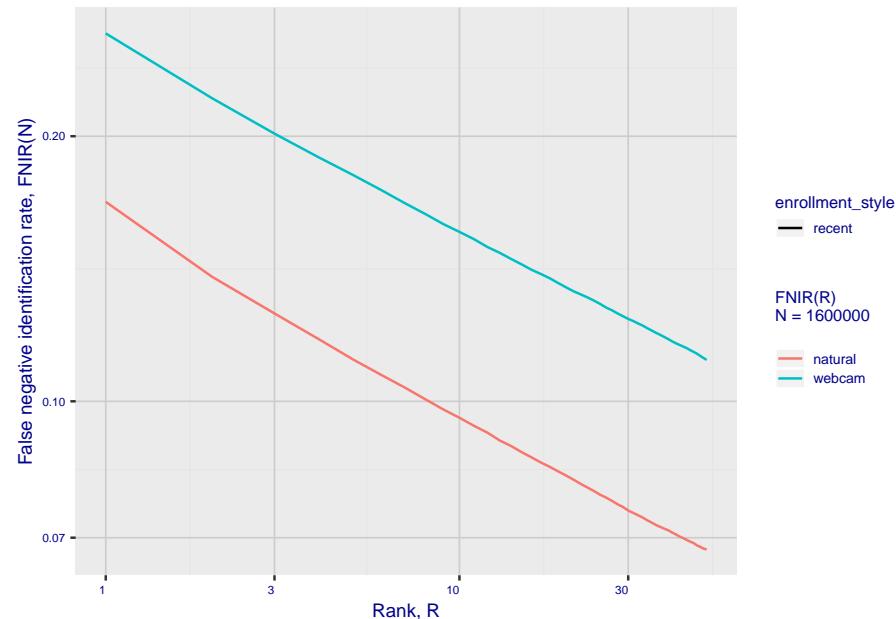


## 2. Report for algorithm shaman\_0 2020-03-20 13:20:29

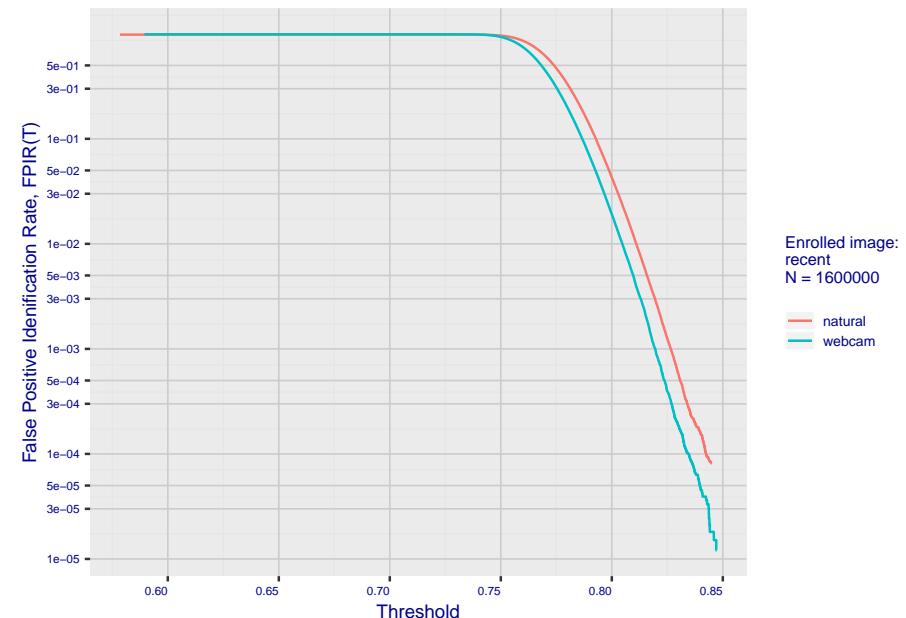
**Fig 5: Dependence on T by number enrolled identities**



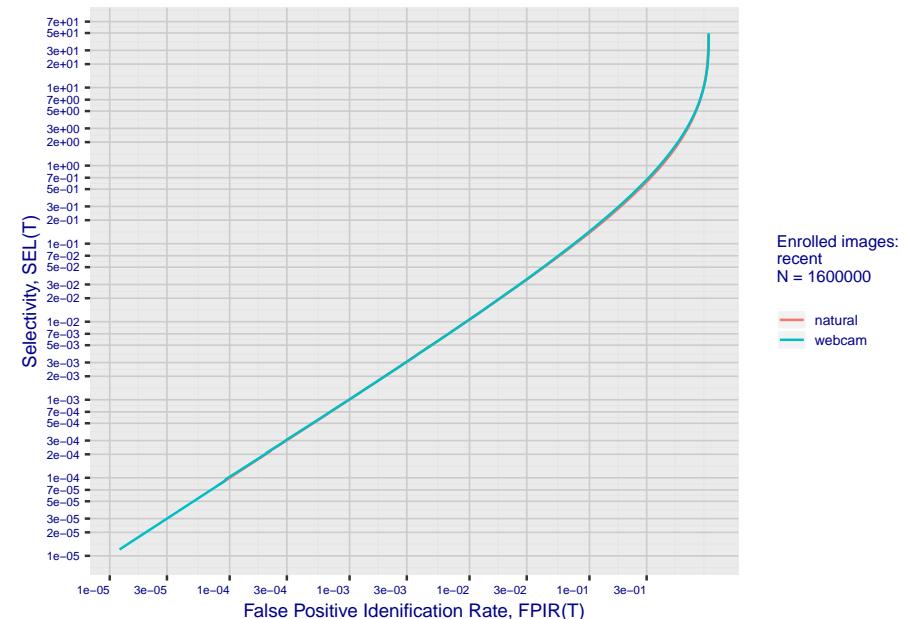
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

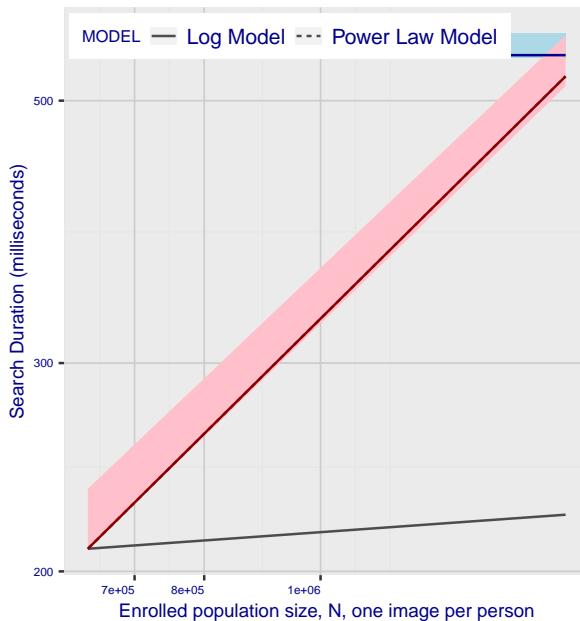


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm shaman\_0 2020-03-20 13:20:29**

**Fig 10: Template duration; search duration vs. N**

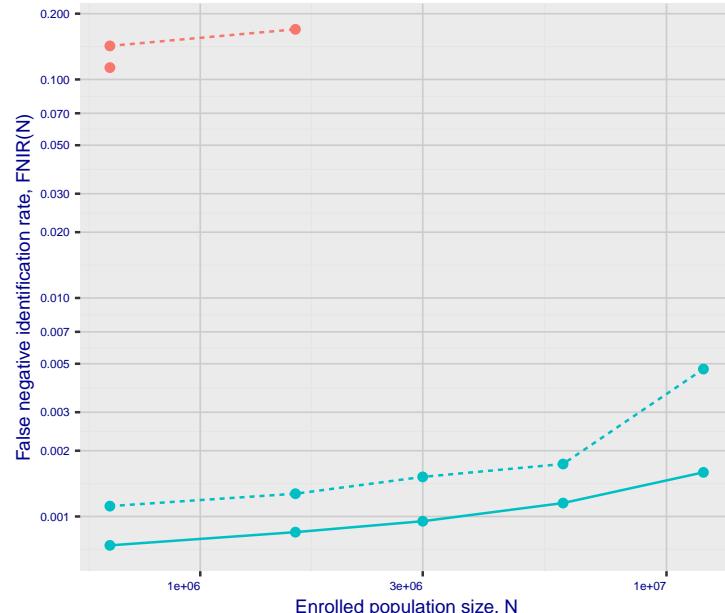


**Fig 11: Datasheet**

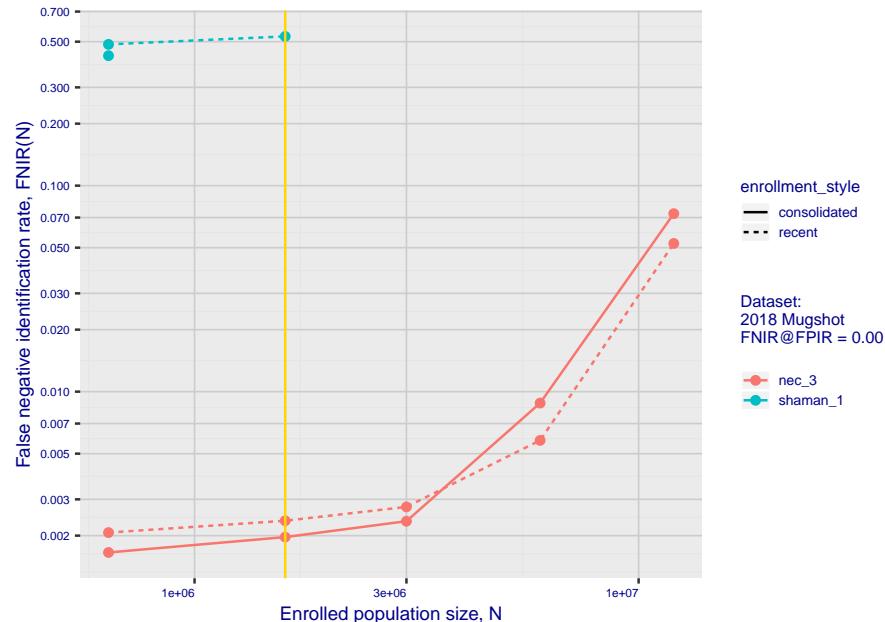
Algorithm: shaman_0
Developer: Shaman Software
Submission Date: 2018_02_12
Template size: 4096 bytes
Template time (2.5 percentile): 544 msec
Template time (median): 546 msec
Template time (97.5 percentile): 570 msec
Investigation rank 201 -- FNIR(1600000, 0, 1) = 0.1685 vs. lowest 0.0010 from sensetime_003
Identification rank 186 -- FNIR(1600000, T, L+1) = 0.4730
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm shaman\_1 2020-03-20 13:25:38

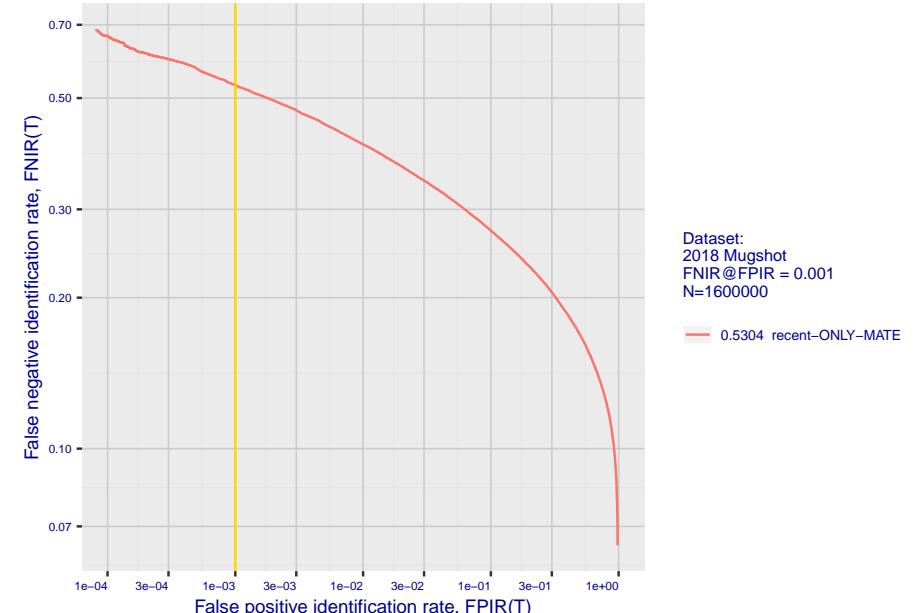
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



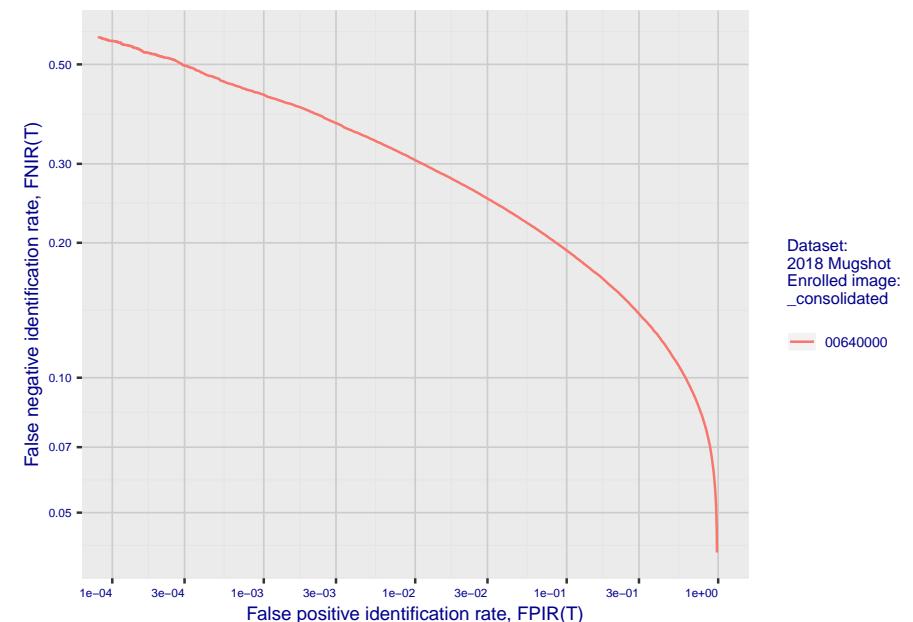
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

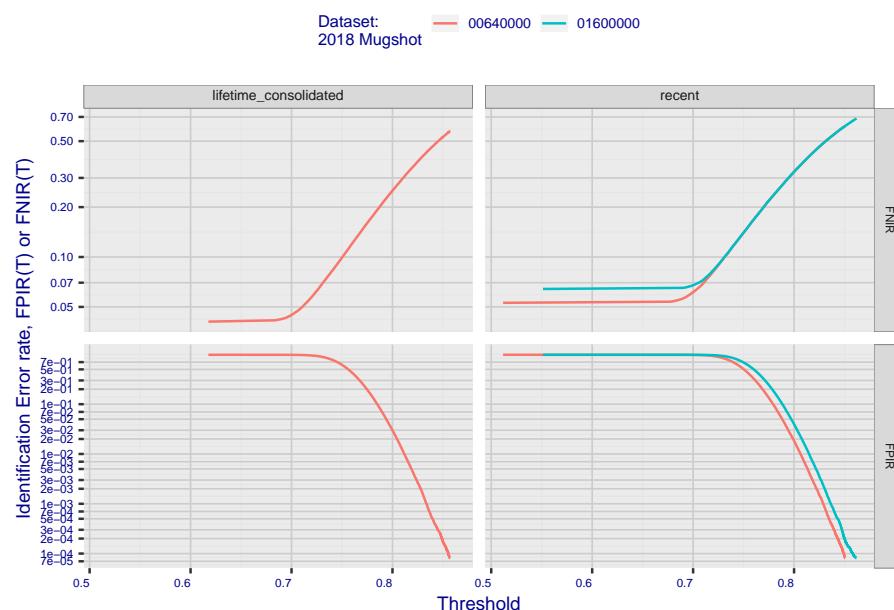


**Fig 4: DET for various N. Links connect points of equal threshold.**

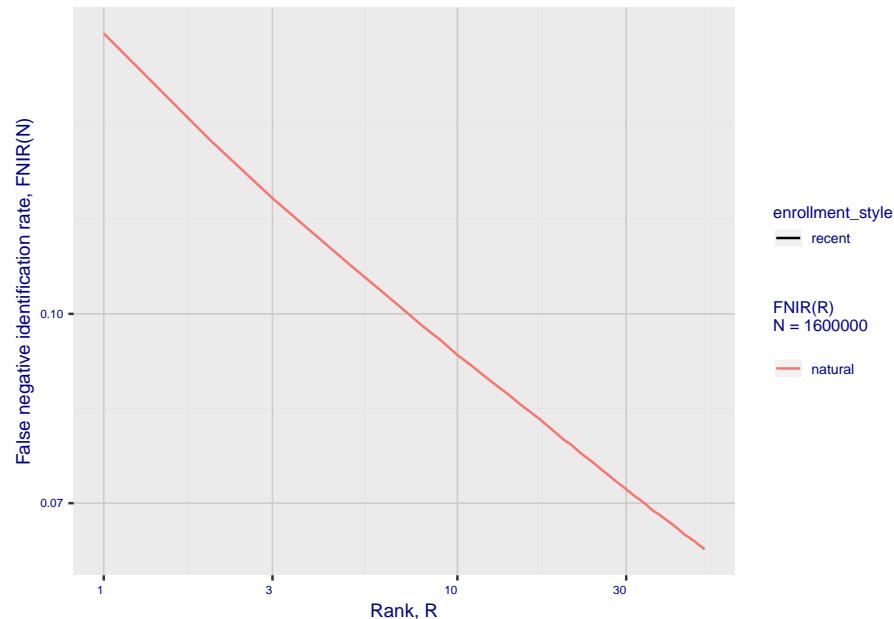


## 2. Report for algorithm shaman\_1 2020-03-20 13:25:38

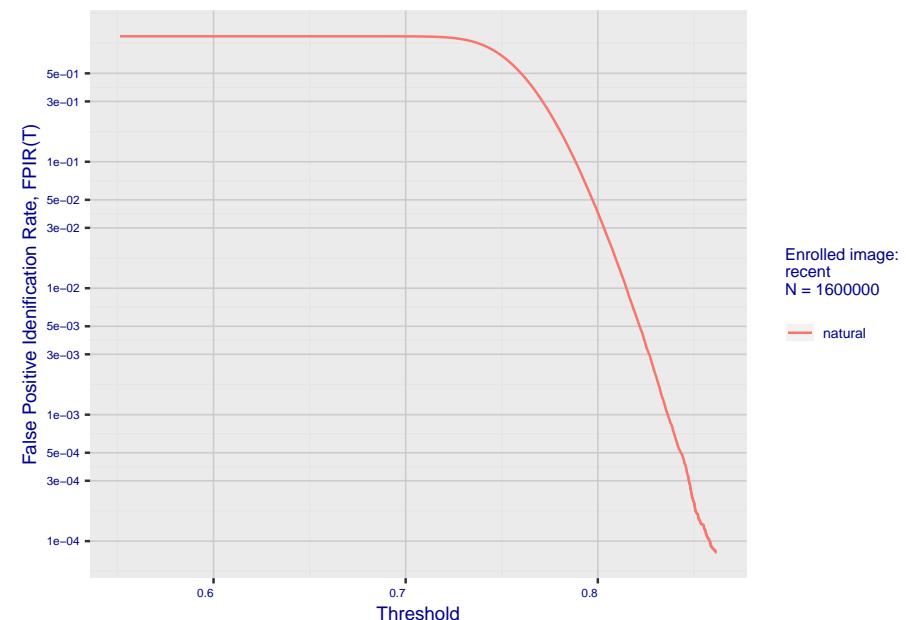
**Fig 5: Dependence on T by number enrolled identities**



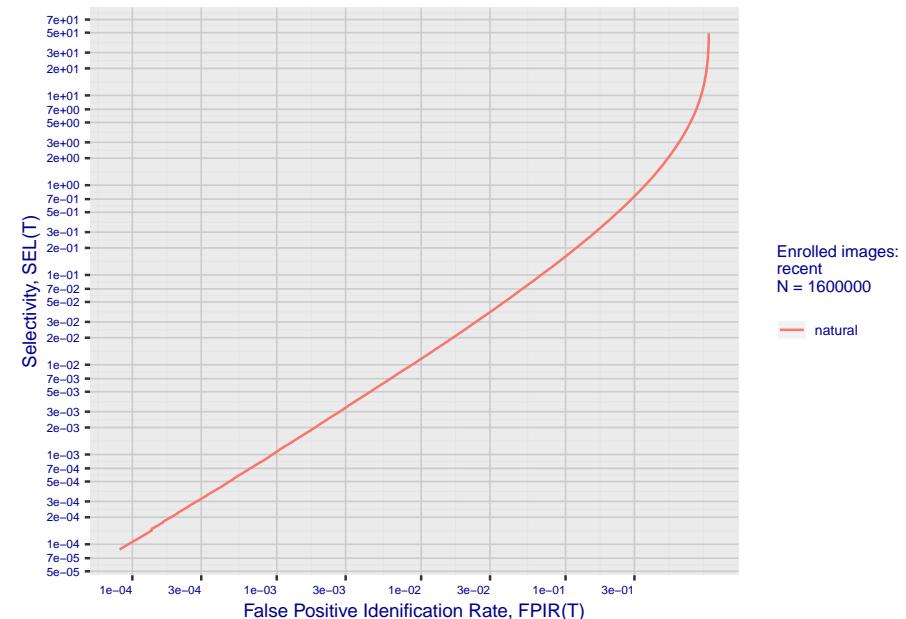
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

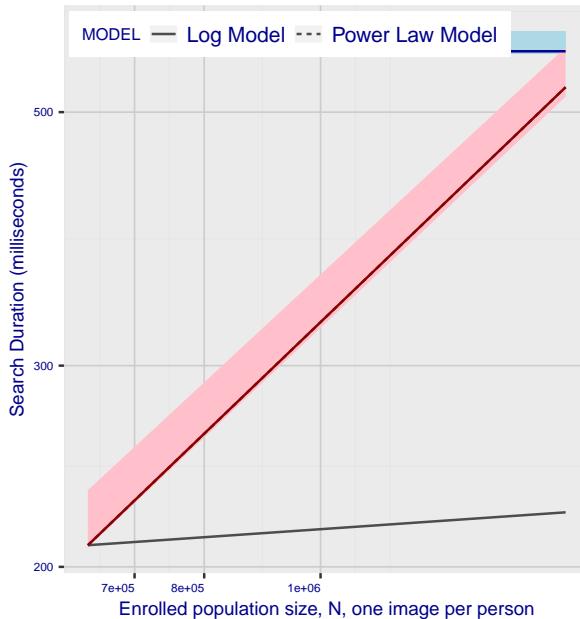


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm shaman\_1 2020-03-20 13:25:38**

**Fig 10: Template duration; search duration vs. N**

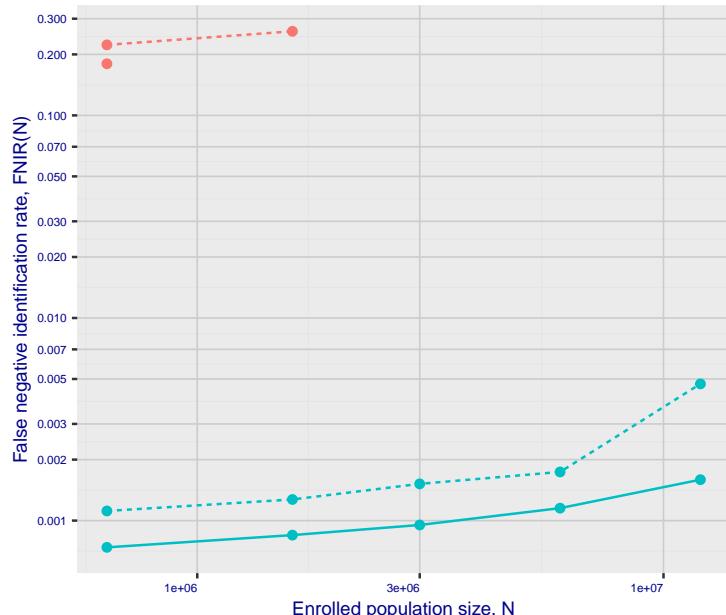


**Fig 11: Datasheet**

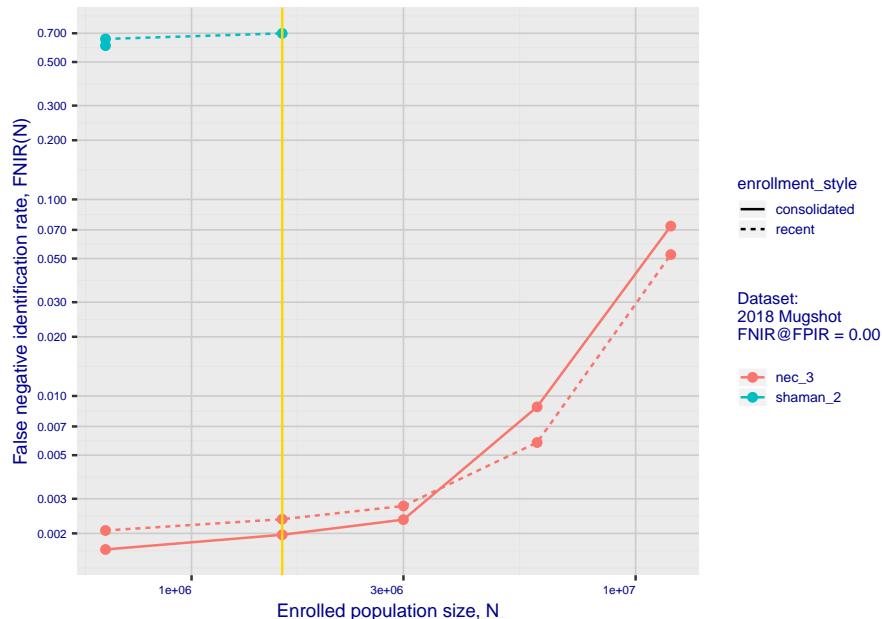
Algorithm: shaman_1
Developer: Shaman Software
Submission Date: 2018_02_12
Template size: 4096 bytes
Template time (2.5 percentile): 562 msec
Template time (median): 565 msec
Template time (97.5 percentile): 588 msec
Investigation rank 202 -- FNIR(160000, 0, 1) = 0.1696 vs. lowest 0.0010 from sensetime_003
Identification rank 193 -- FNIR(160000, T, L+1) = 0.5304
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm shaman\_2 2020-03-20 13:20:36

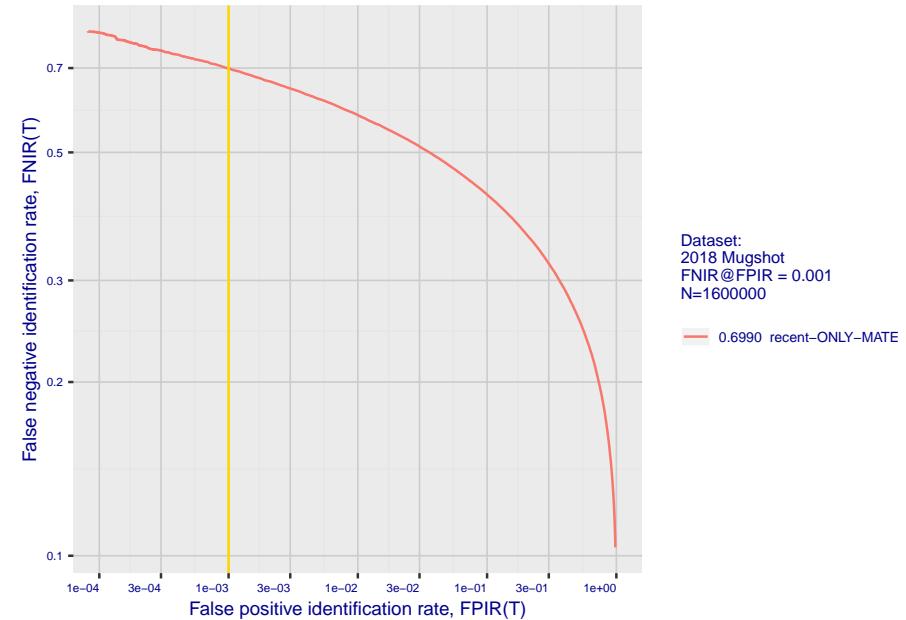
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



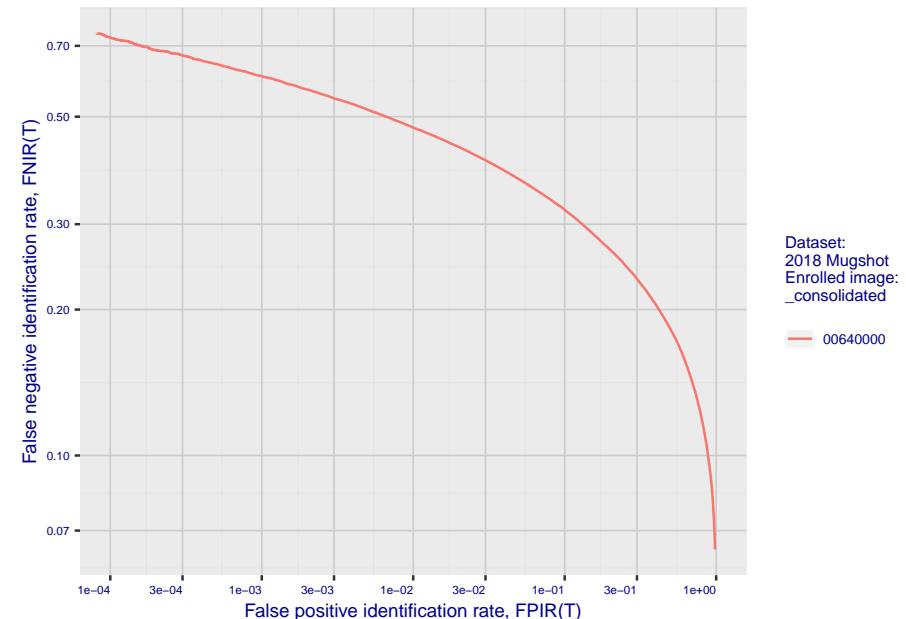
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

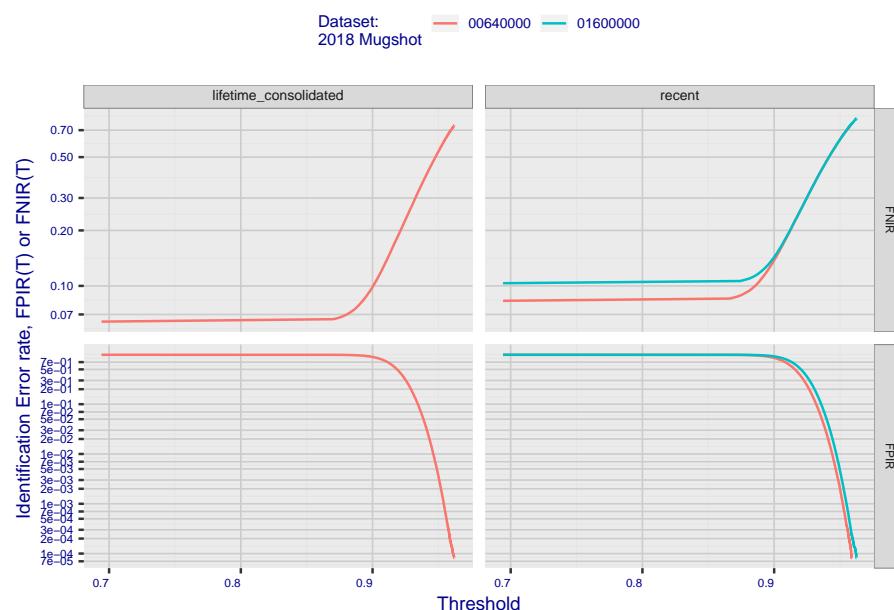


**Fig 4: DET for various N. Links connect points of equal threshold.**

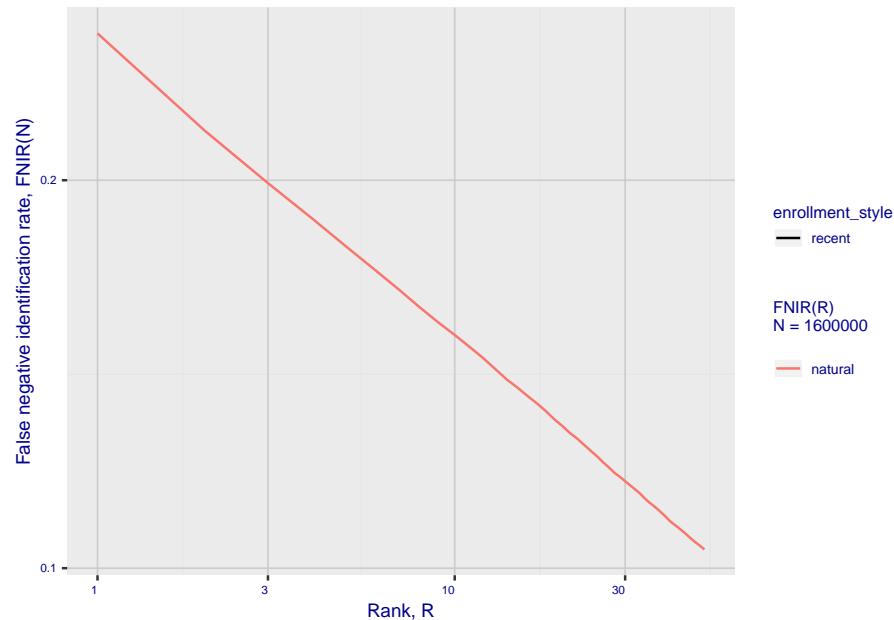


## 2. Report for algorithm shaman\_2 2020-03-20 13:20:36

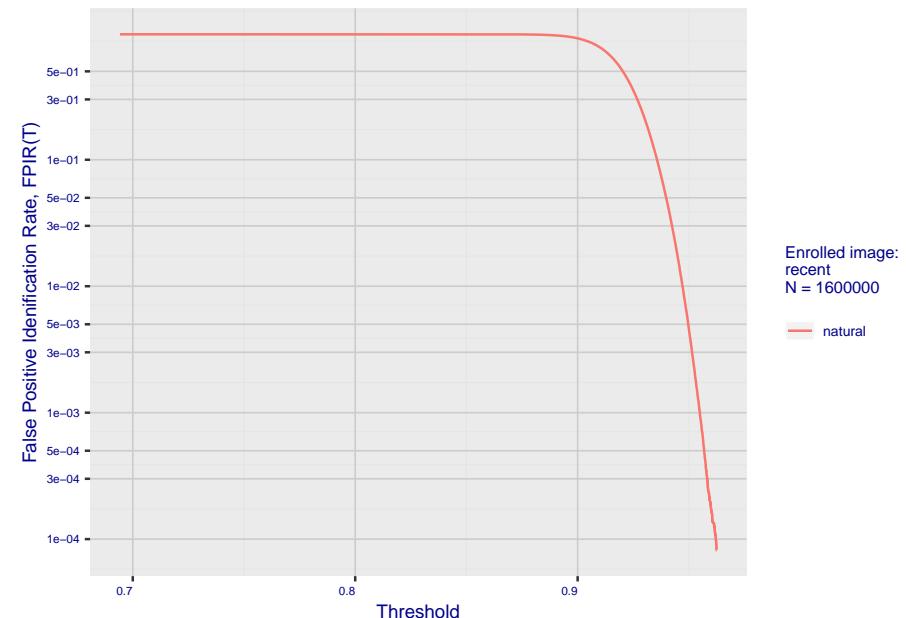
**Fig 5: Dependence on T by number enrolled identities**



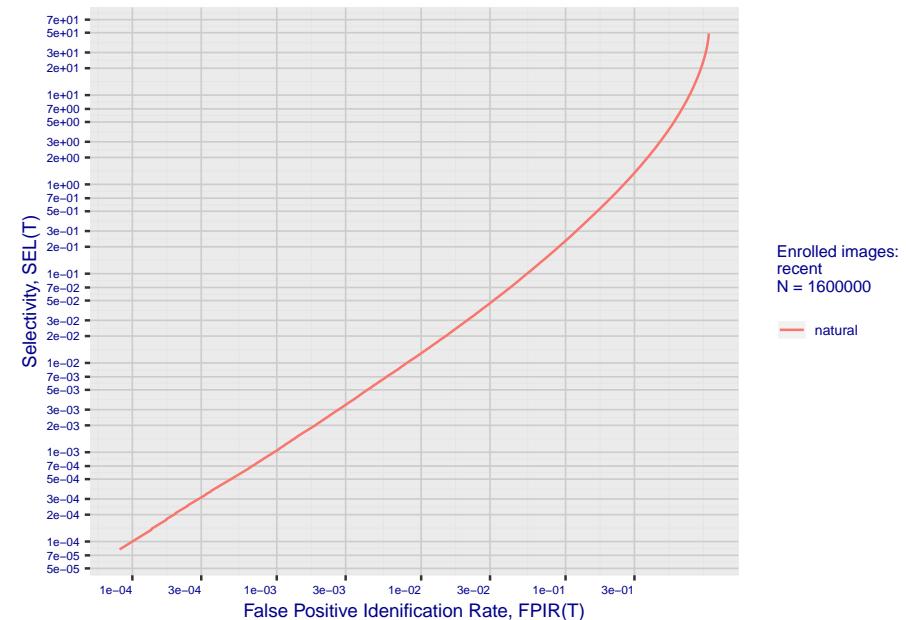
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm shaman\_2 2020-03-20 13:20:36

Fig 10: Template duration; search duration vs. N

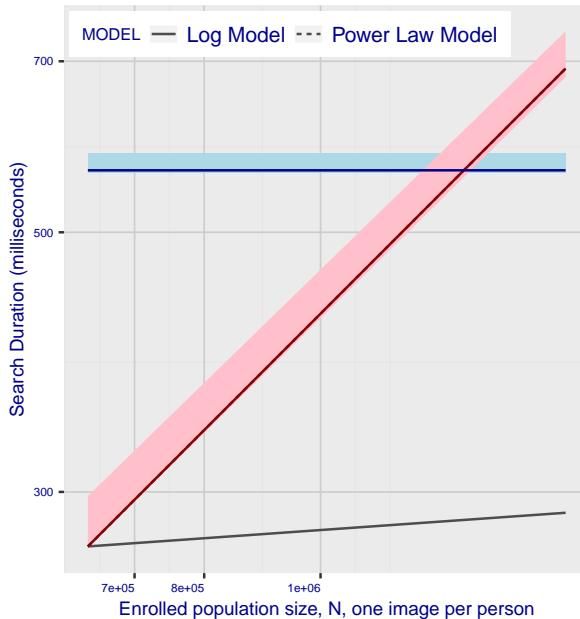
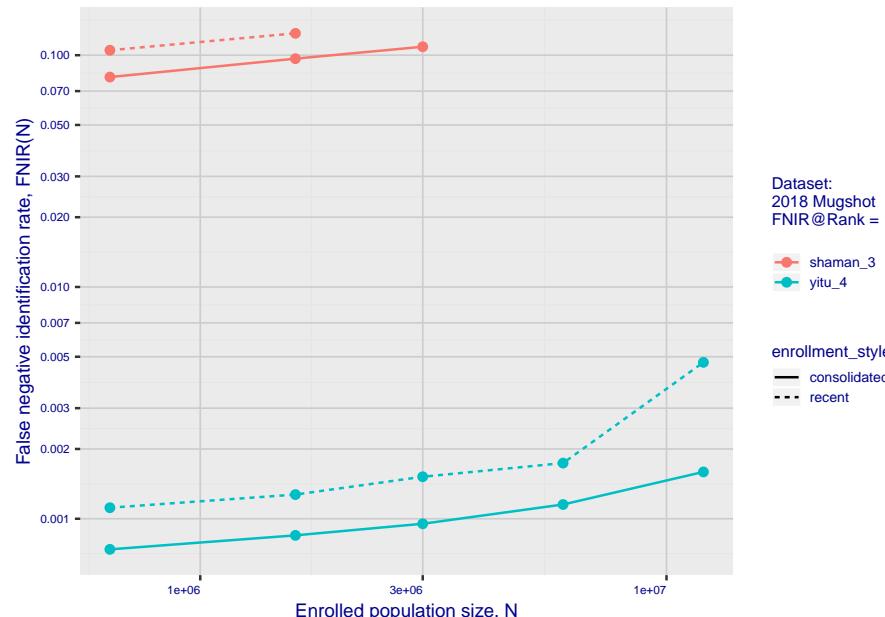


Fig 11: Datasheet

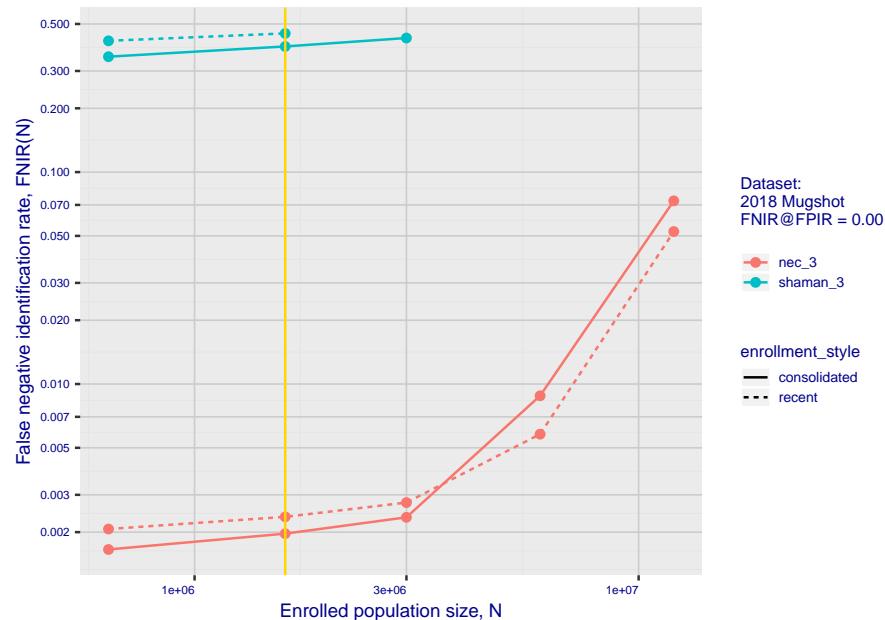
Algorithm: shaman_2
Developer: Shaman Software
Submission Date: 2018_02_12
Template size: 8192 bytes
Template time (2.5 percentile): 562 msec
Template time (median): 565 msec
Template time (97.5 percentile): 584 msec
Investigation rank 218 -- FNIR(160000, 0, 1) = 0.2600 vs. lowest 0.0010 from sensetime_003
Identification rank 208 -- FNIR(160000, T, L+1) = 0.6990
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm shaman\_3 2020-03-20 13:16:59

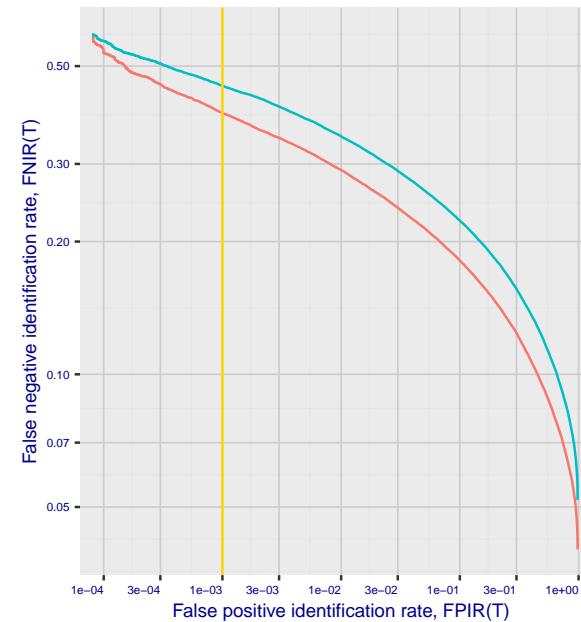
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



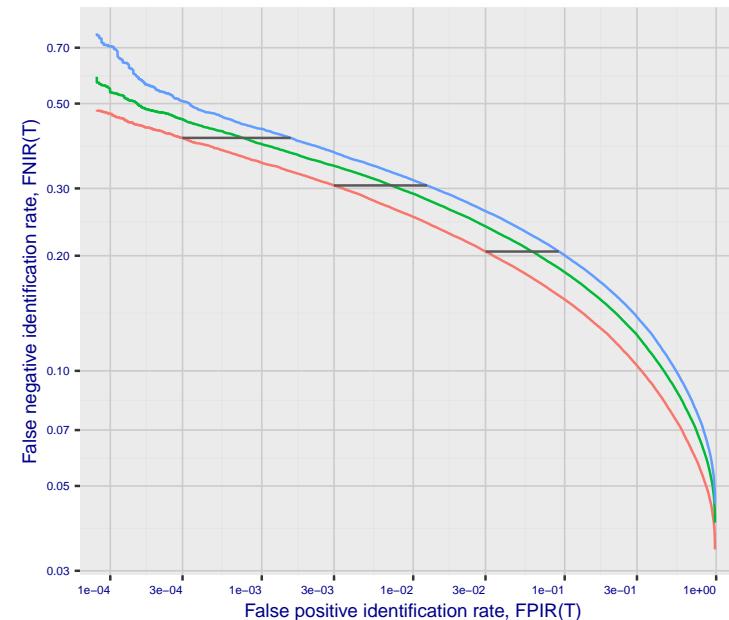
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**

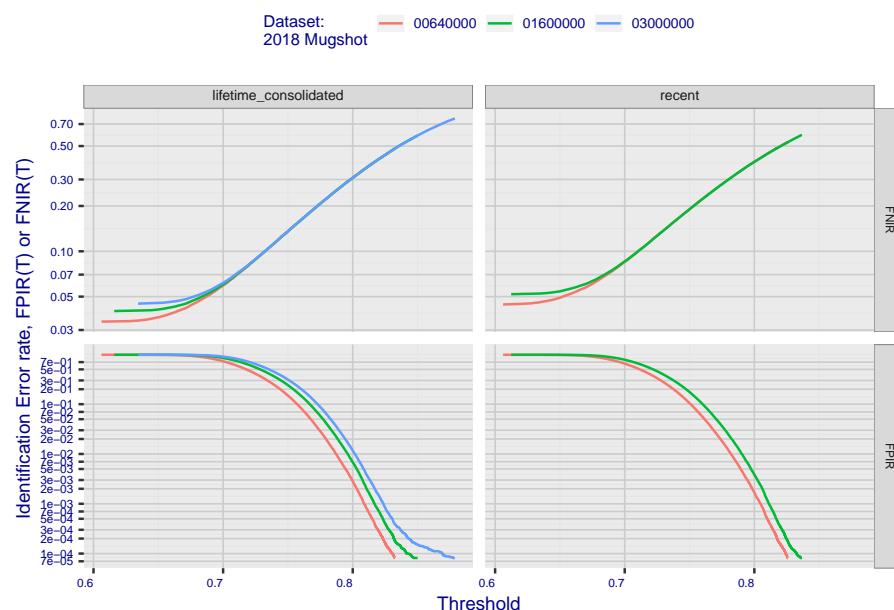


Dataset:  
2018 Mugshot  
Enrolled image:  
\_consolidated

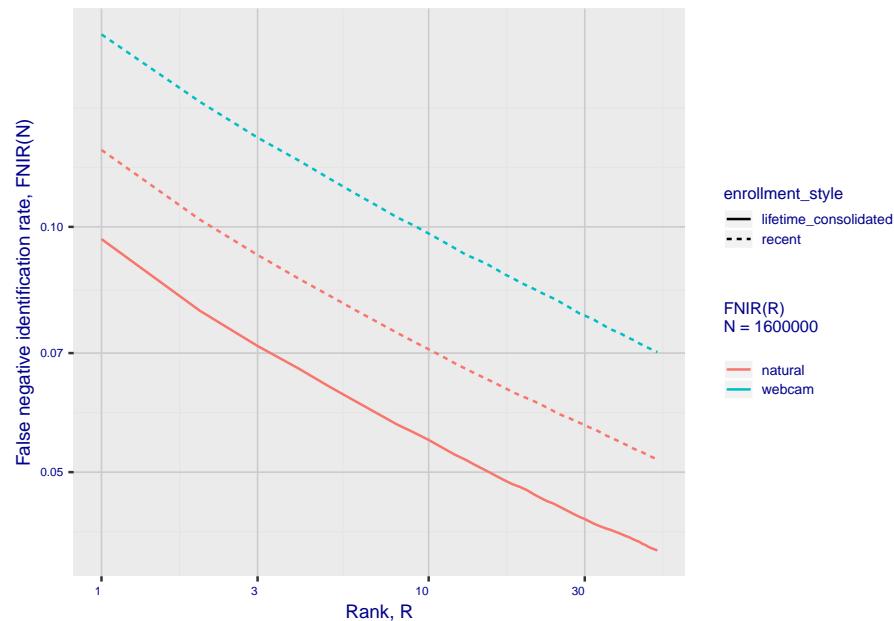
00640000  
01600000  
03000000

## 2. Report for algorithm shaman\_3 2020-03-20 13:16:59

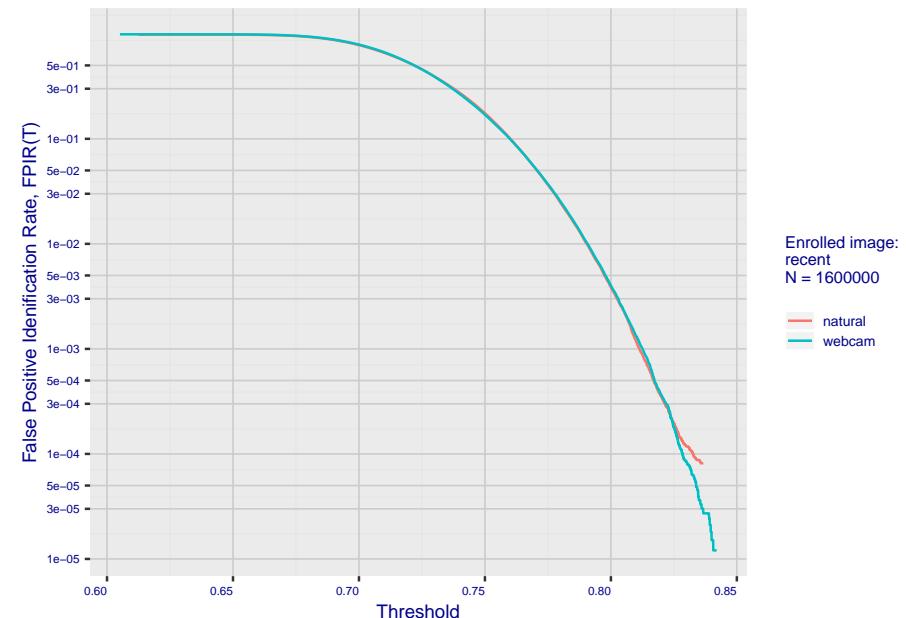
**Fig 5: Dependence on T by number enrolled identities**



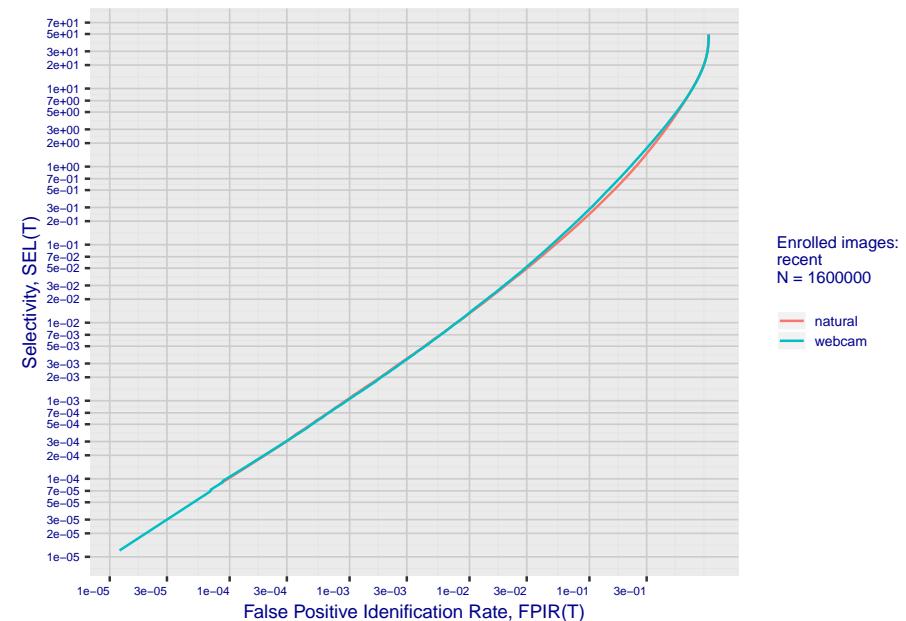
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm shaman\_3 2020-03-20 13:16:59

Fig 10: Template duration; search duration vs. N

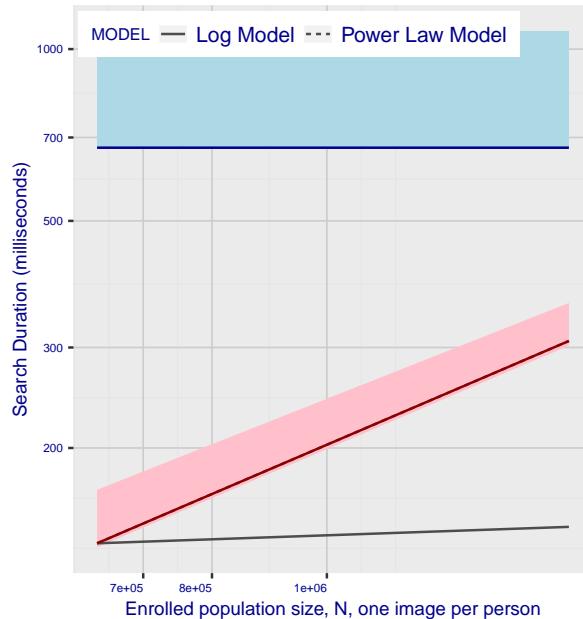
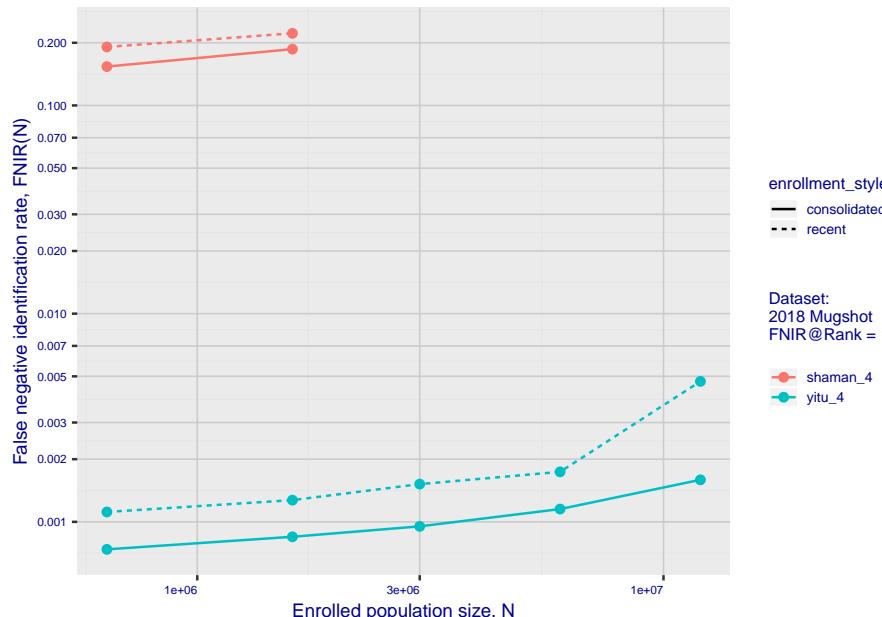


Fig 11: Datasheet

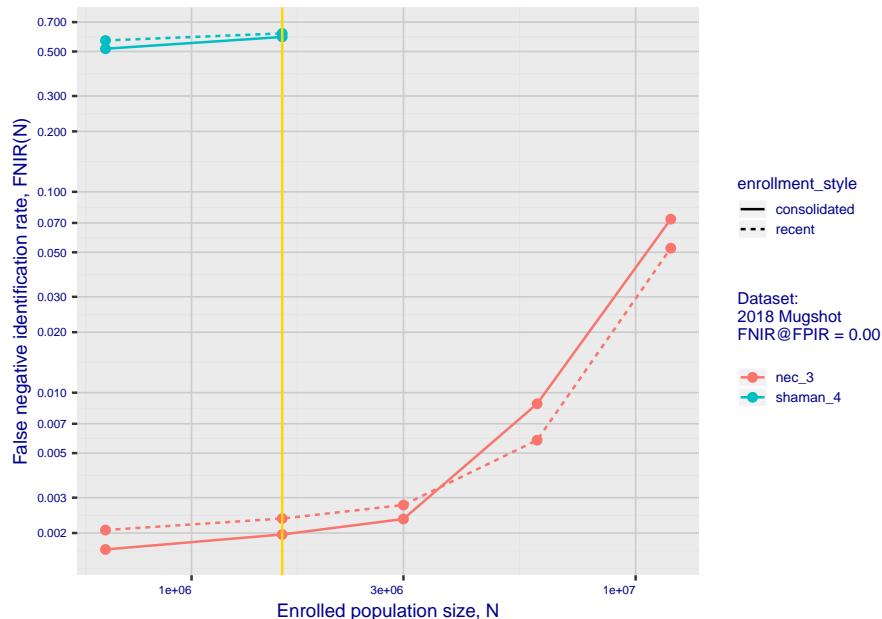
Algorithm: shaman_3
Developer: Shaman Software
Submission Date: 2018_06_30
Template size: 2048 bytes
Template time (2.5 percentile): 669 msec
Template time (median): 672 msec
Template time (97.5 percentile): 1074 msec
Investigation rank 190 -- FNIR(160000, 0, 1) = 0.1243 vs. lowest 0.0010 from sensetime_003
Identification rank 185 -- FNIR(160000, T, L+1) = 0.4513
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm shaman\_4 2020-03-20 13:20:34

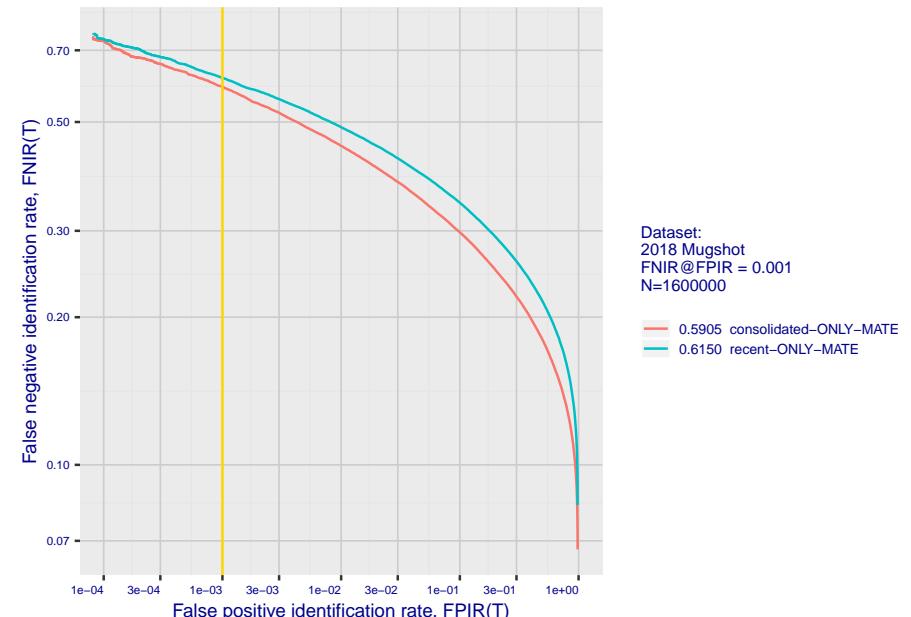
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



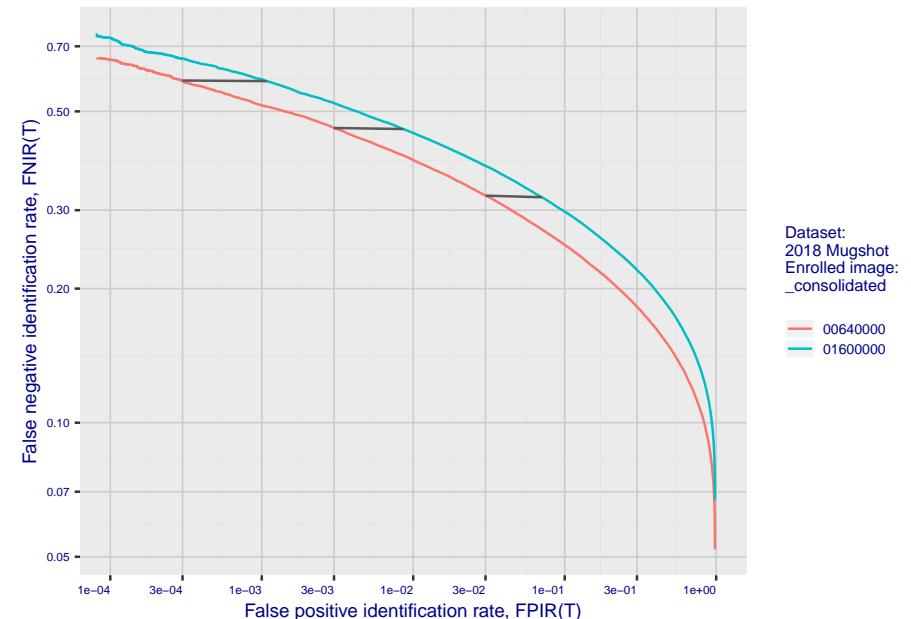
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

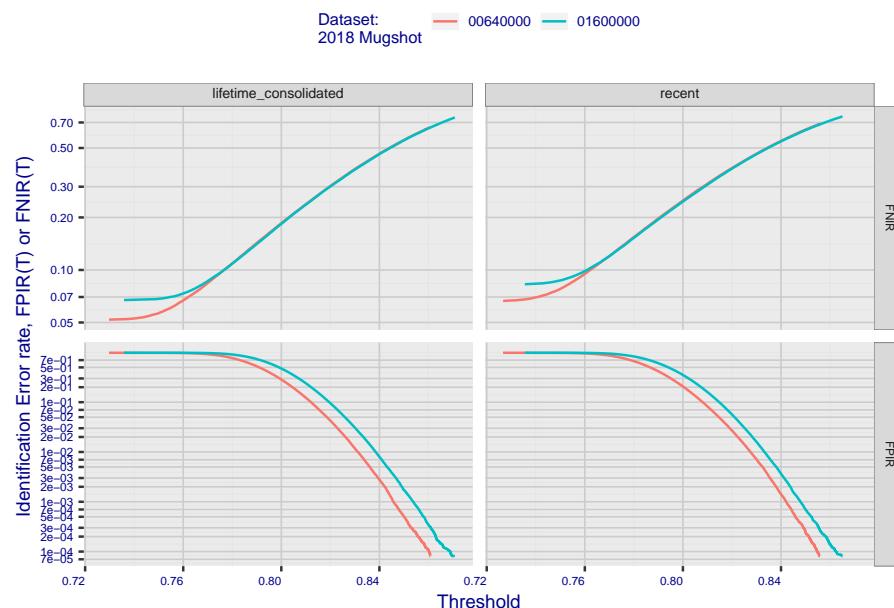


**Fig 4: DET for various N. Links connect points of equal threshold.**

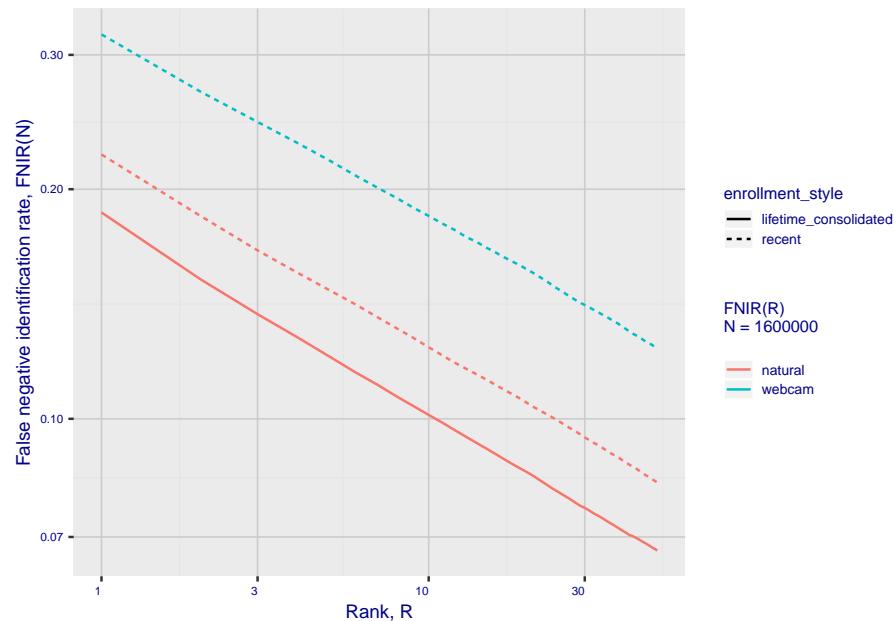


## 2. Report for algorithm shaman\_4 2020-03-20 13:20:34

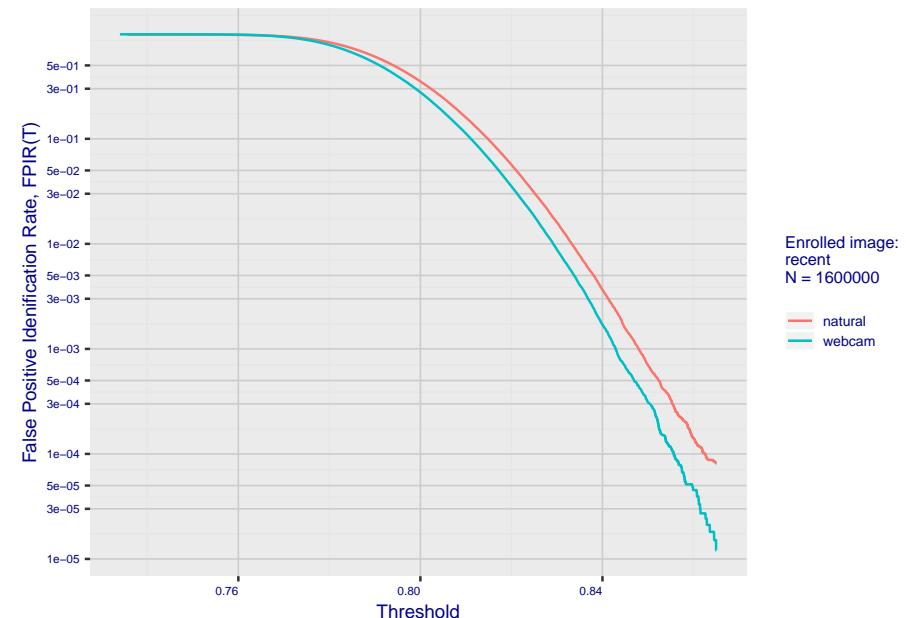
**Fig 5: Dependence on T by number enrolled identities**



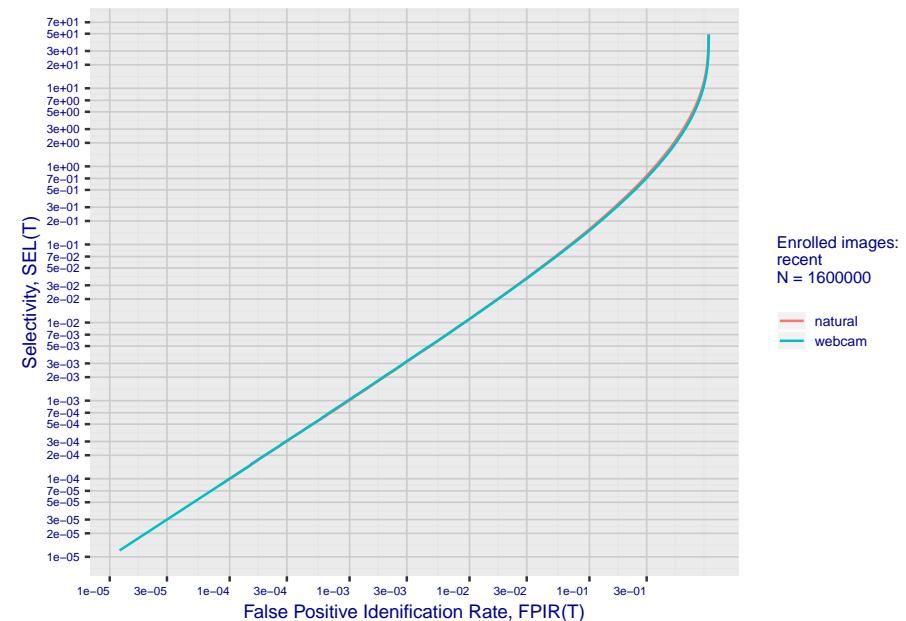
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



3. Report for algorithm shaman\_4 2020-03-20 13:20:34

Fig 10: Template duration; search duration vs. N

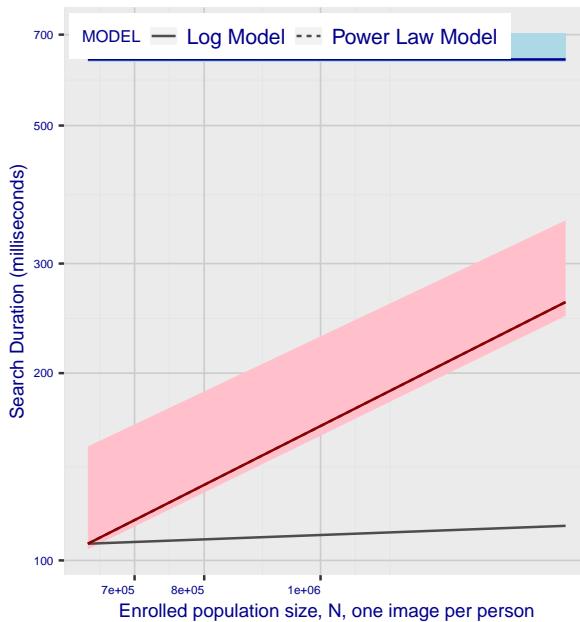
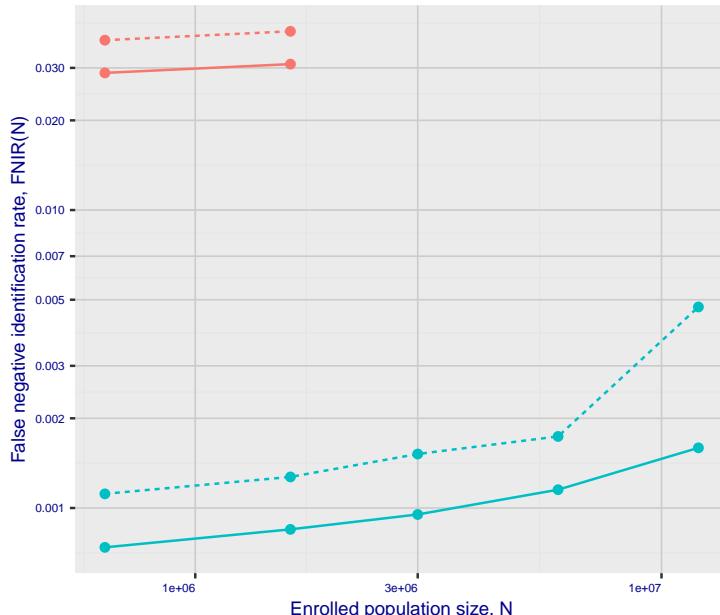


Fig 11: Datasheet

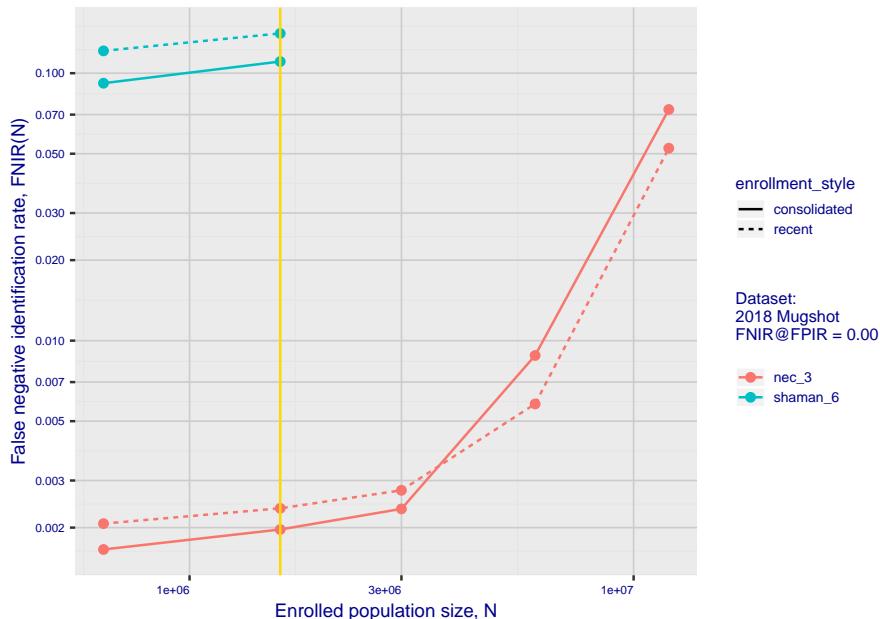
Algorithm: shaman_4
Developer: Shaman Software
Submission Date: 2018_06_30
Template size: 2048 bytes
Template time (2.5 percentile): 634 msec
Template time (median): 639 msec
Template time (97.5 percentile): 703 msec
Investigation rank 214 -- FNIR(160000, 0, 1) = 0.2221 vs. lowest 0.0010 from sensetime_003
Identification rank 199 -- FNIR(160000, T, L+1) = 0.6150
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm shaman\_6 2020-03-20 13:24:06

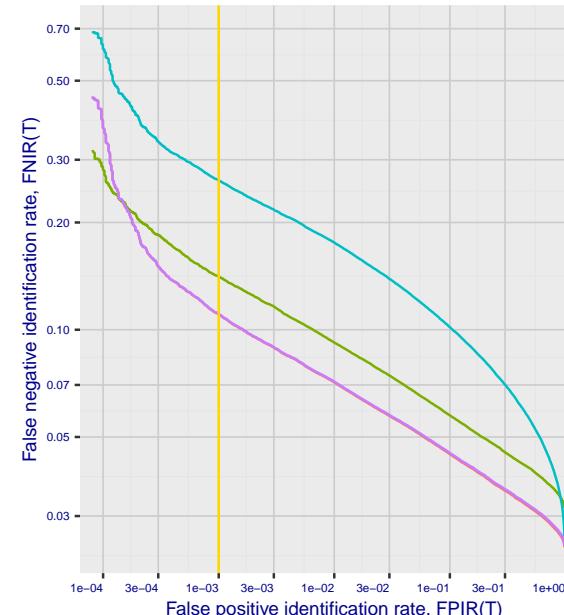
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



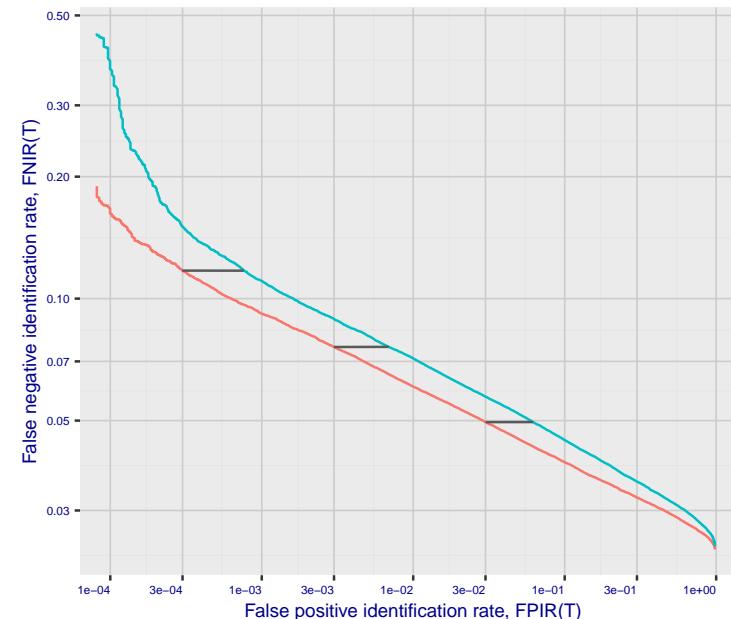
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**



Dataset:  
2018 Mugshot  
FNIR@Rank = 1  
N=1600000

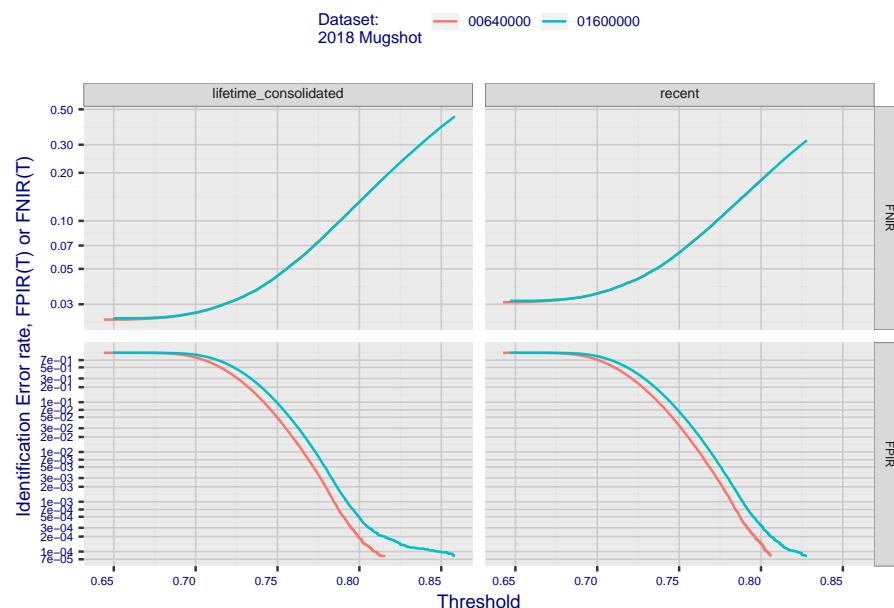
0.1106 consolidated-ONLY-MATE  
0.1409 recent-ONLY-MATE  
0.2629 unconsolidated-ALL-MATES  
0.1109 unconsolidated-ANY-MATE

Dataset:  
2018 Mugshot  
Enrolled image:  
\_consolidated

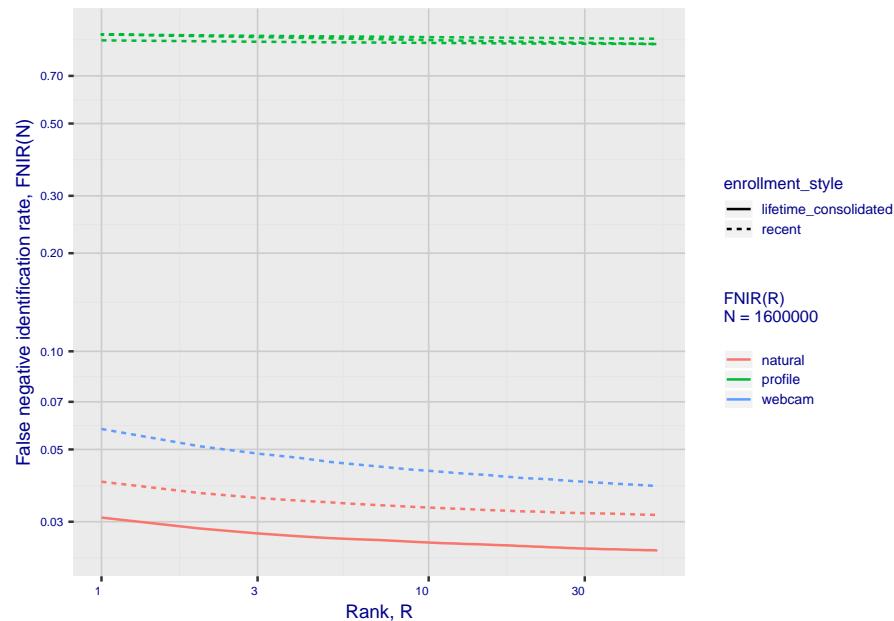
00640000  
01600000

## 2. Report for algorithm shaman\_6 2020-03-20 13:24:06

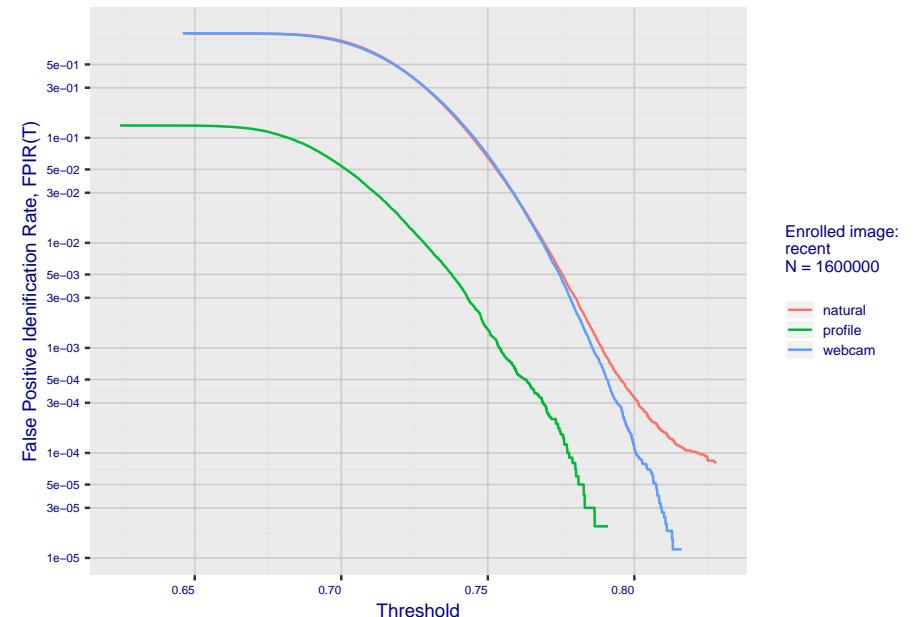
**Fig 5: Dependence on T by number enrolled identities**



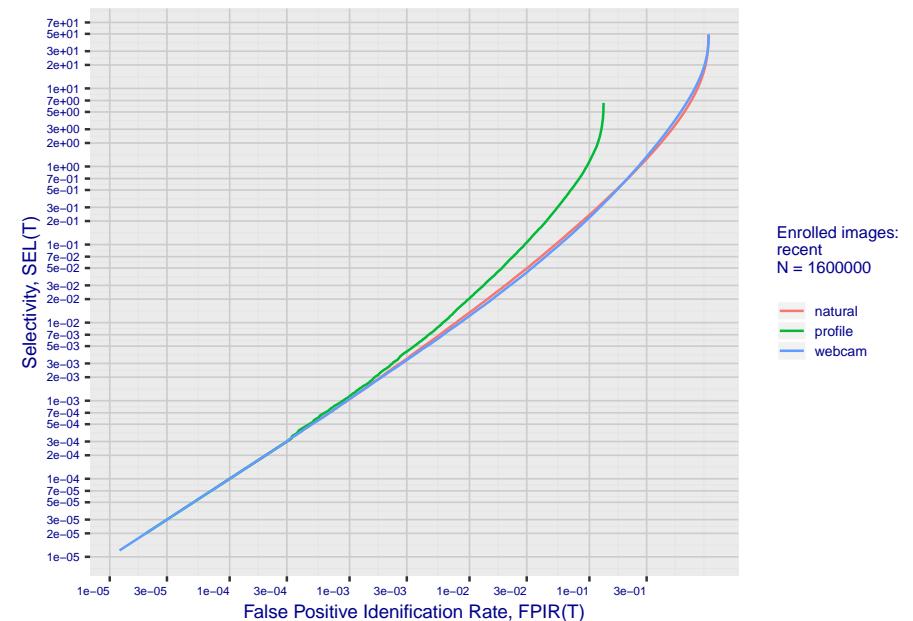
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

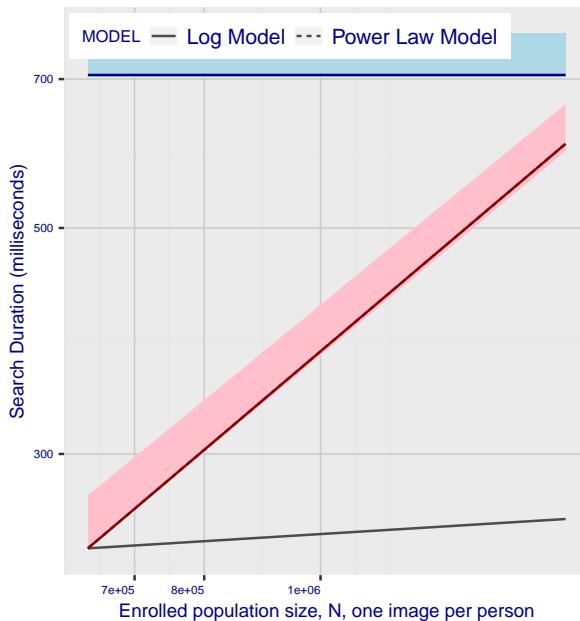


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm shaman\_6 2020-03-20 13:24:06**

**Fig 10: Template duration; search duration vs. N**

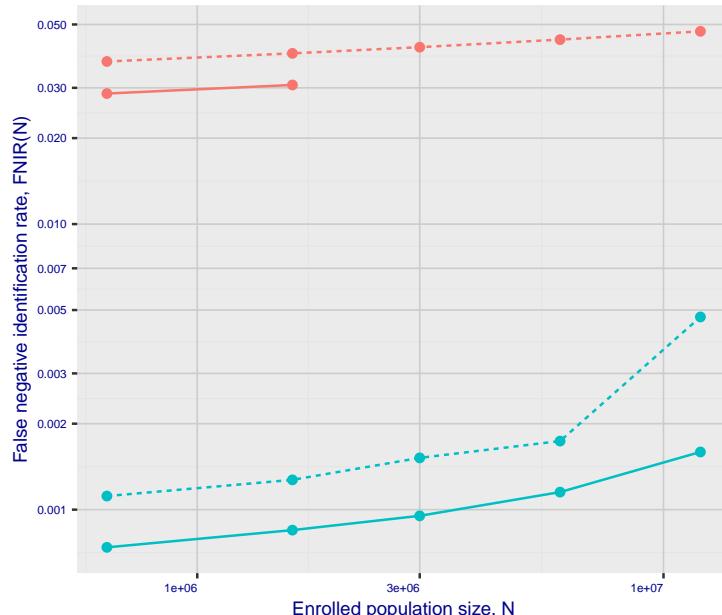


**Fig 11: Datasheet**

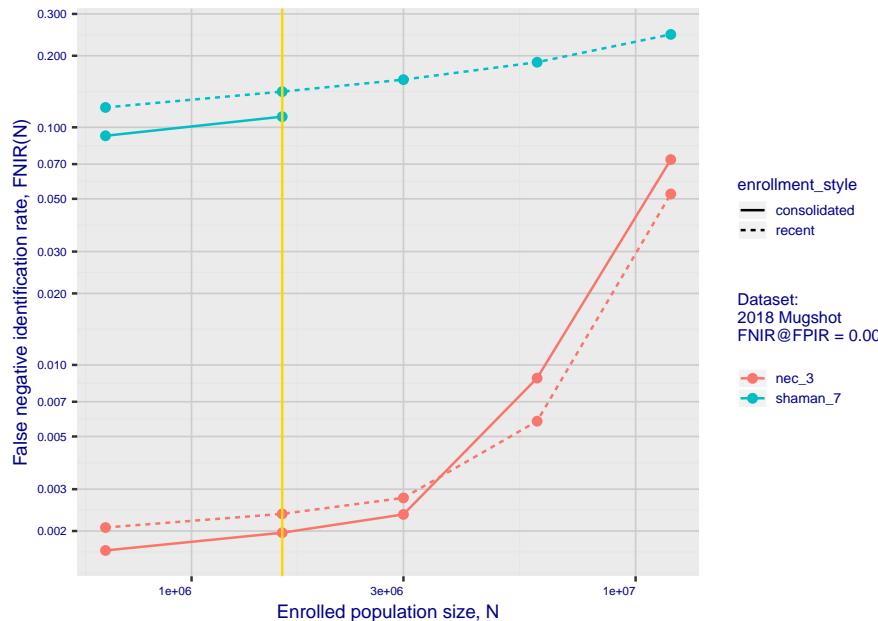
Algorithm:	shaman_6
Developer:	Shaman Software
Submission Date:	2018_10_26
Template size:	2048 bytes
Template time (2.5 percentile):	704 msec
Template time (median):	707 msec
Template time (97.5 percentile):	776 msec
Investigation rank 164 -- FNIR(160000, 0, 1) = 0.0398 vs. lowest 0.0010 from sensetime_003	
Identification rank 127 -- FNIR(160000, T, L+1) = 0.1409	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm shaman\_7 2020-03-20 13:23:41

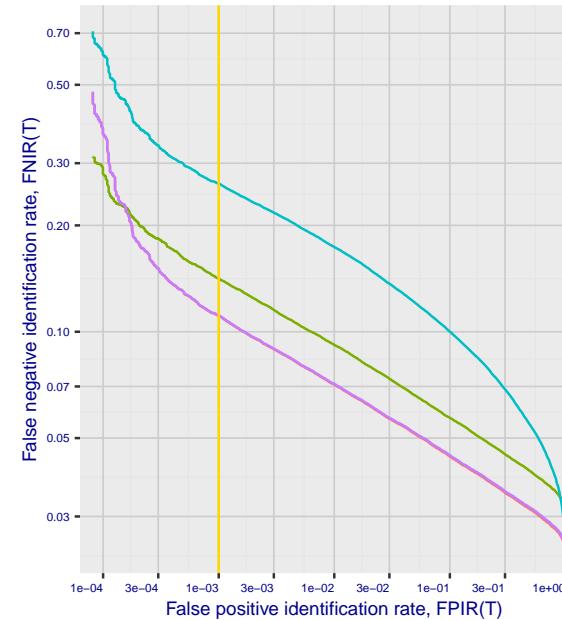
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



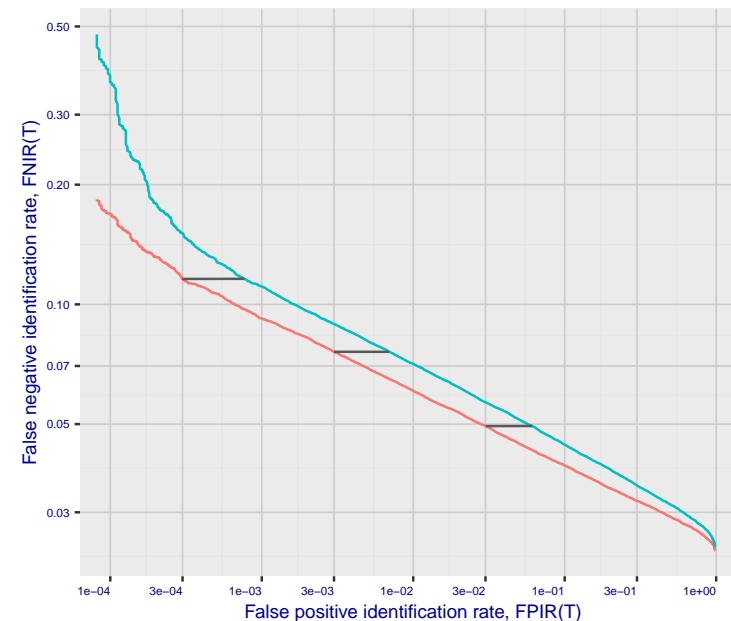
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**



Dataset:  
2018 Mugshot  
FNIR @Rank = 1  
N=1600000

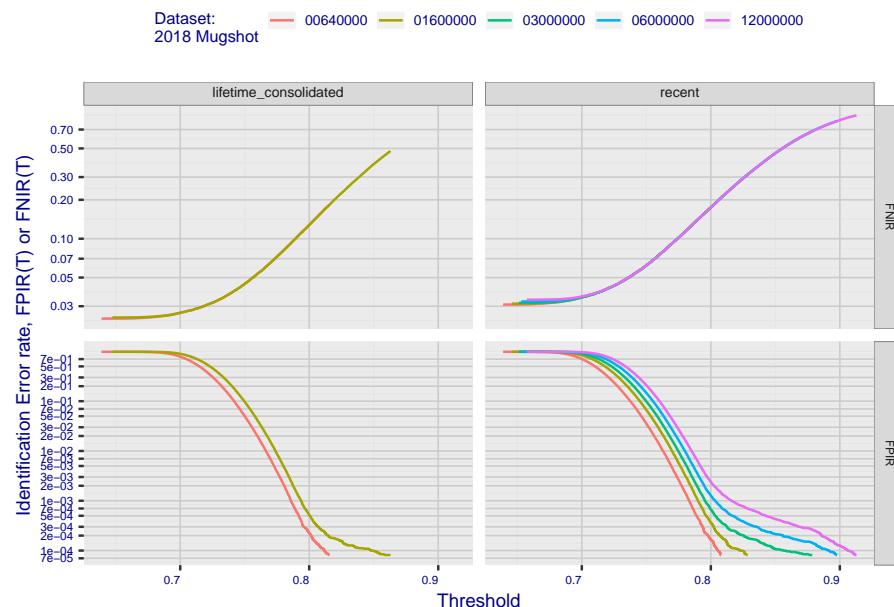
0.1109 consolidated-ONLY-MATE  
0.1413 recent-ONLY-MATE  
0.2624 unconsolidated-ALL-MATES  
0.1112 unconsolidated-ANY-MATE

Dataset:  
2018 Mugshot  
Enrolled image:  
\_consolidated

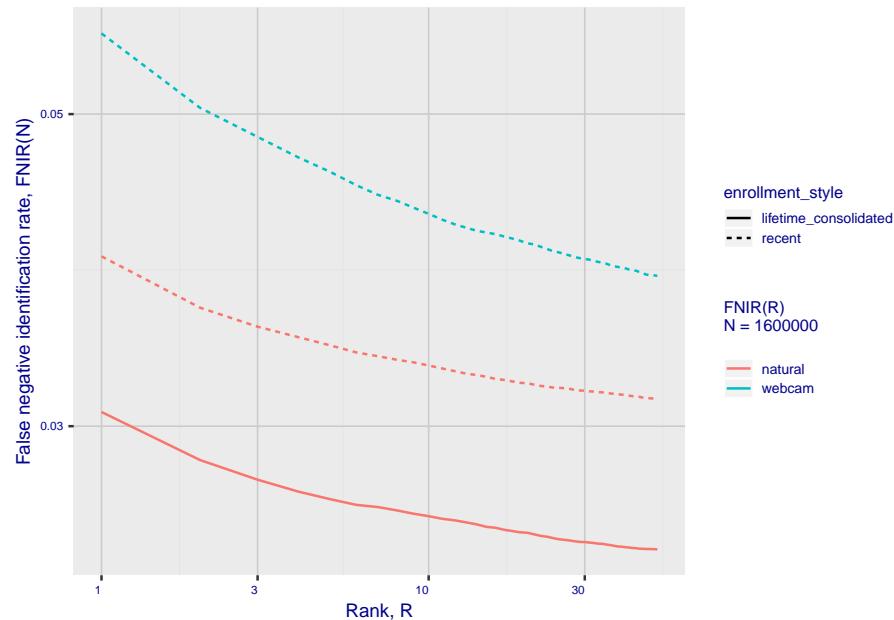
00640000  
01600000

## 2. Report for algorithm shaman\_7 2020-03-20 13:23:41

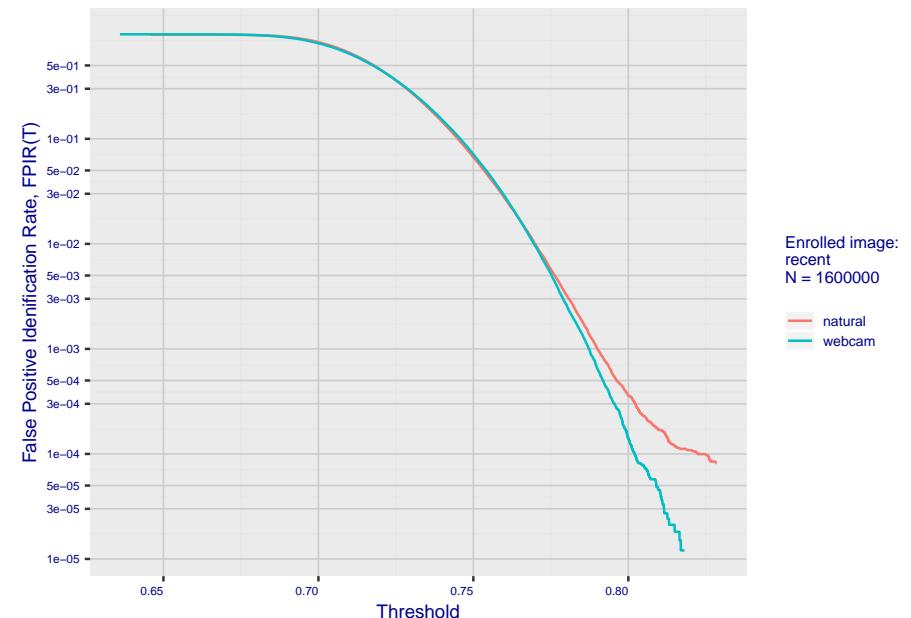
**Fig 5: Dependence on T by number enrolled identities**



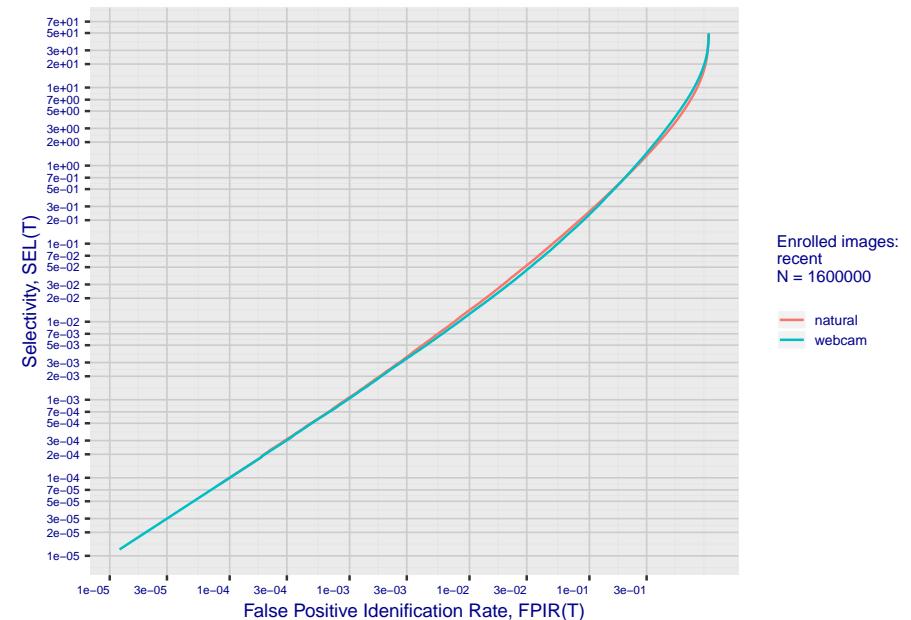
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm shaman\_7 2020-03-20 13:23:41

Fig 10: Template duration; search duration vs. N

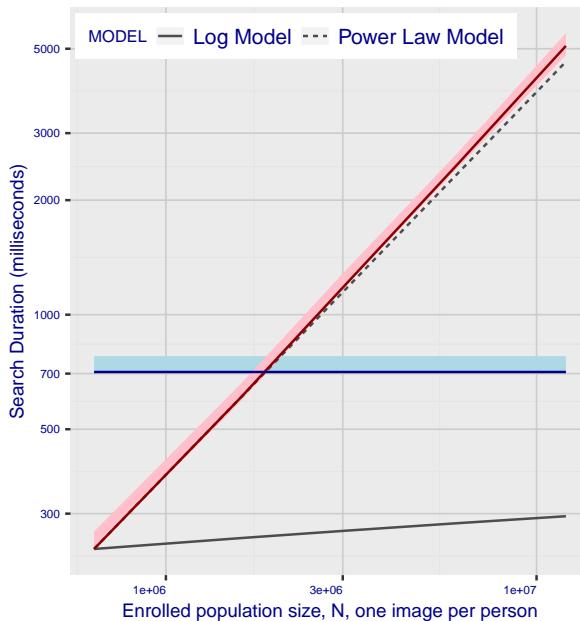
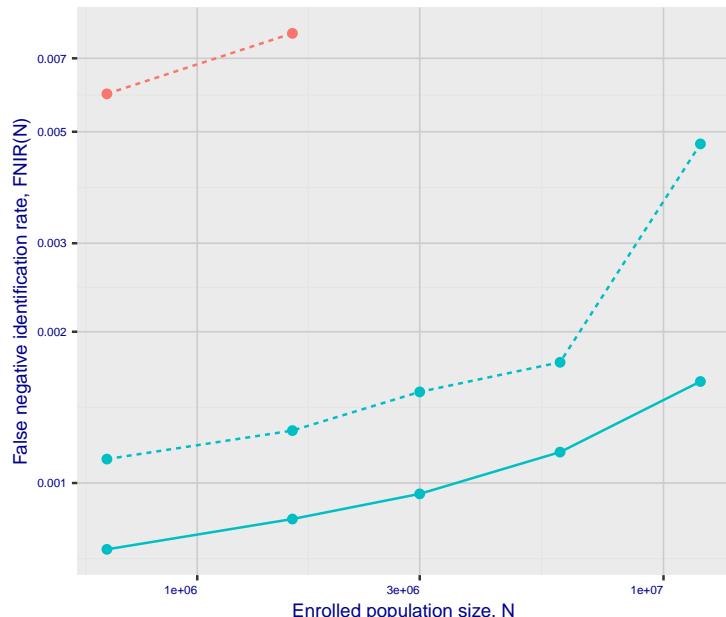


Fig 11: Datasheet

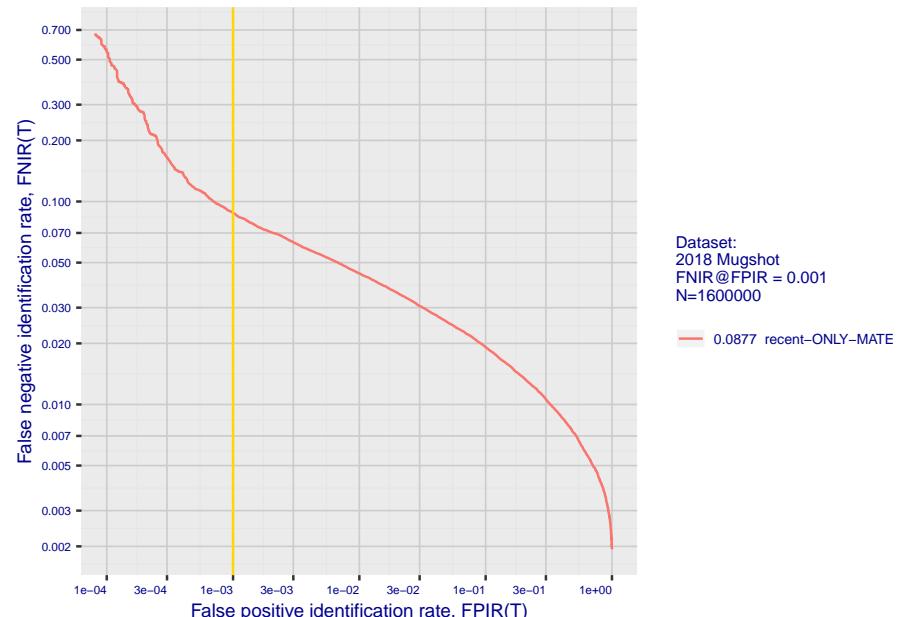
Algorithm:	shaman_7
Developer:	Shaman Software
Submission Date:	2018_10_26
Template size:	2048 bytes
Template time (2.5 percentile):	704 msec
Template time (median):	707 msec
Template time (97.5 percentile):	778 msec
Investigation rank 163 -- FNIR(160000, 0, 1) = 0.0396 vs. lowest 0.0010 from sensetime_003	
Identification rank 128 -- FNIR(160000, T, L+1) = 0.1413	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm siat\_0 2020-03-20 13:23:51

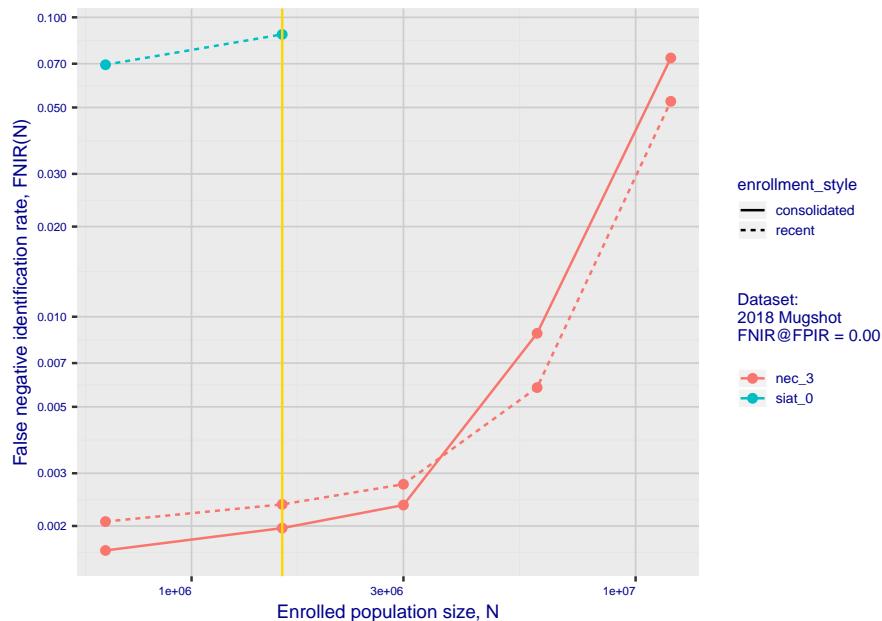
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



**Fig 2: DETs by enrollment type**

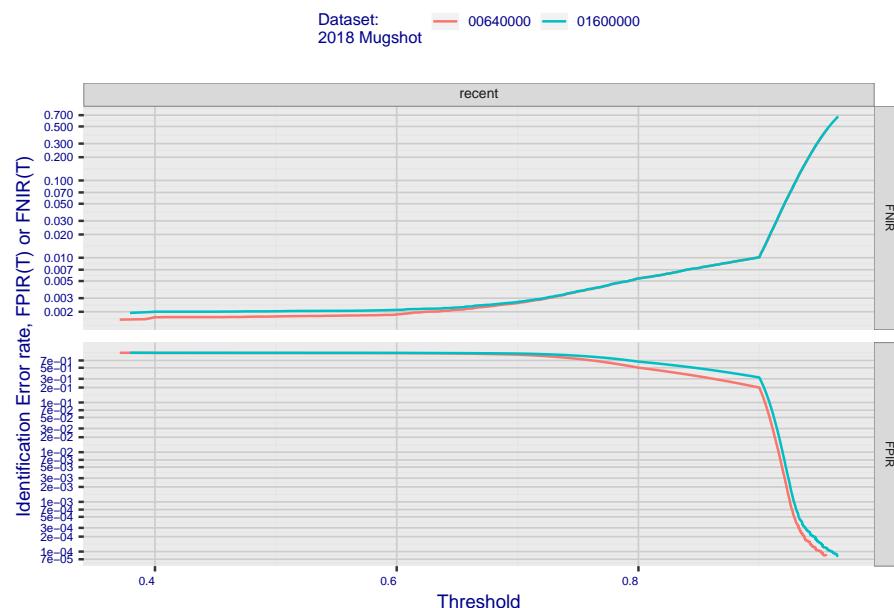


**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

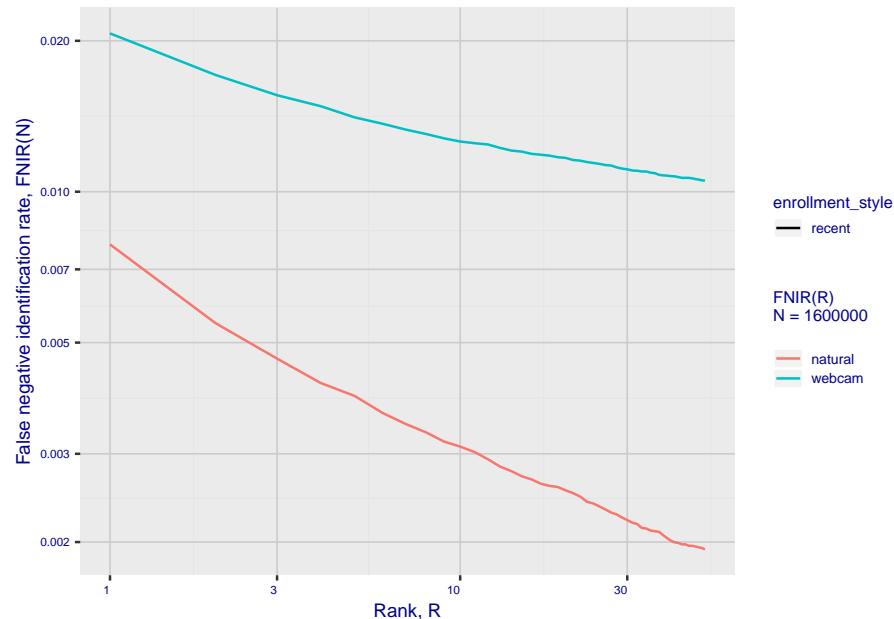


## 2. Report for algorithm siat\_0 2020-03-20 13:23:51

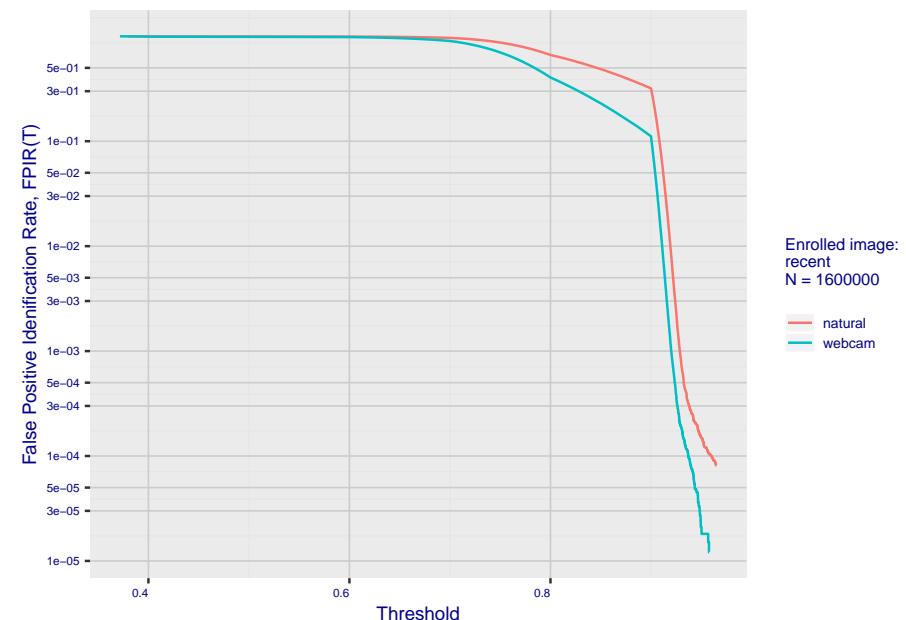
**Fig 5: Dependence on T by number enrolled identities**



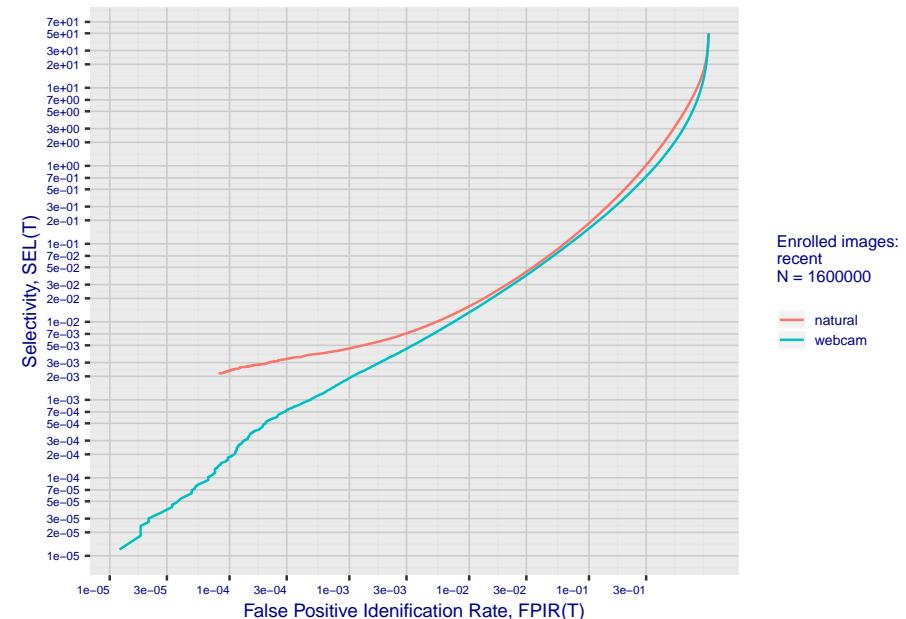
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

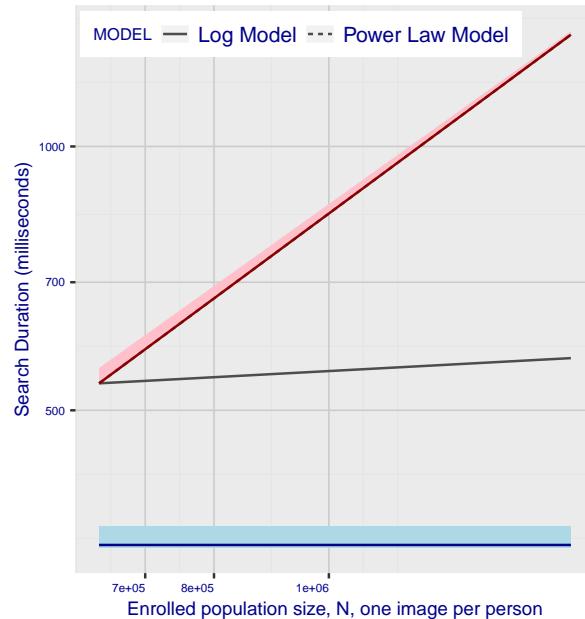


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm siat\_0 2020-03-20 13:23:51**

**Fig 10: Template duration; search duration vs. N**

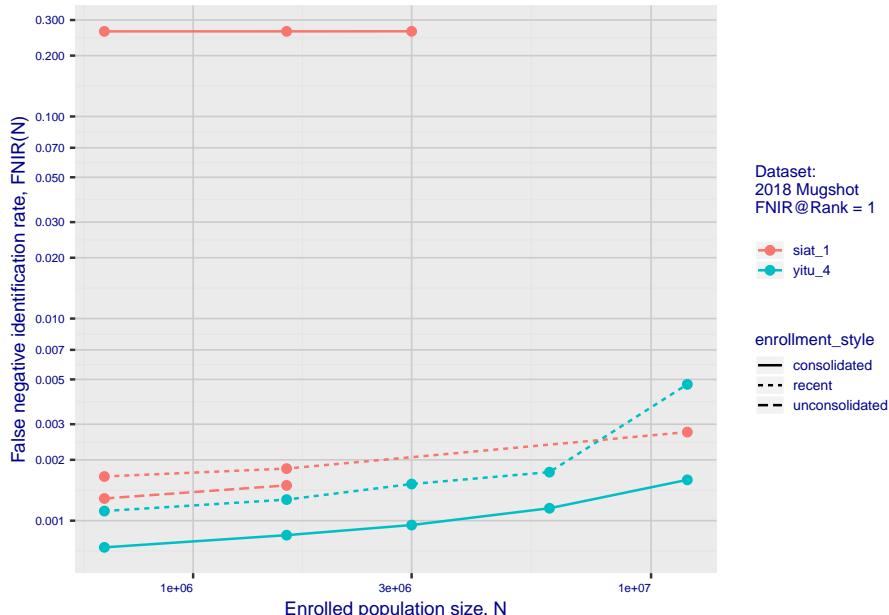


**Fig 11: Datasheet**

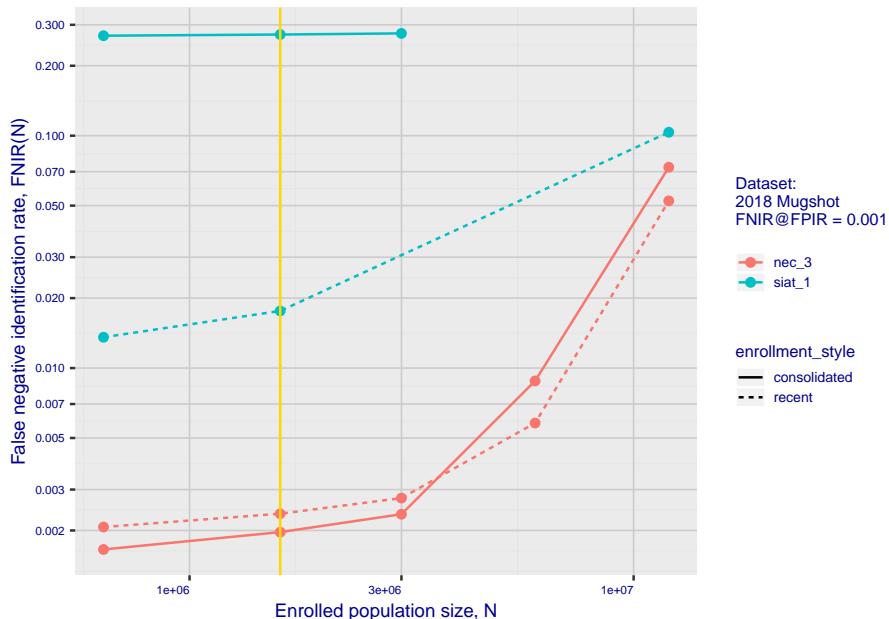
Algorithm: siat_0
Developer: Shenzhen Inst Adv Integrated Tech CAS
Submission Date: 2018_02_14
Template size: 1096 bytes
Template time (2.5 percentile): 349 msec
Template time (median): 351 msec
Template time (97.5 percentile): 369 msec
Investigation rank 82 --- FNIR(1600000, 0, 1) = 0.0079 vs. lowest 0.0010 from sensetime_003
Identification rank 98 --- FNIR(1600000, T, L+1) = 0.0877
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm siat\_1 2020-03-20 13:20:38

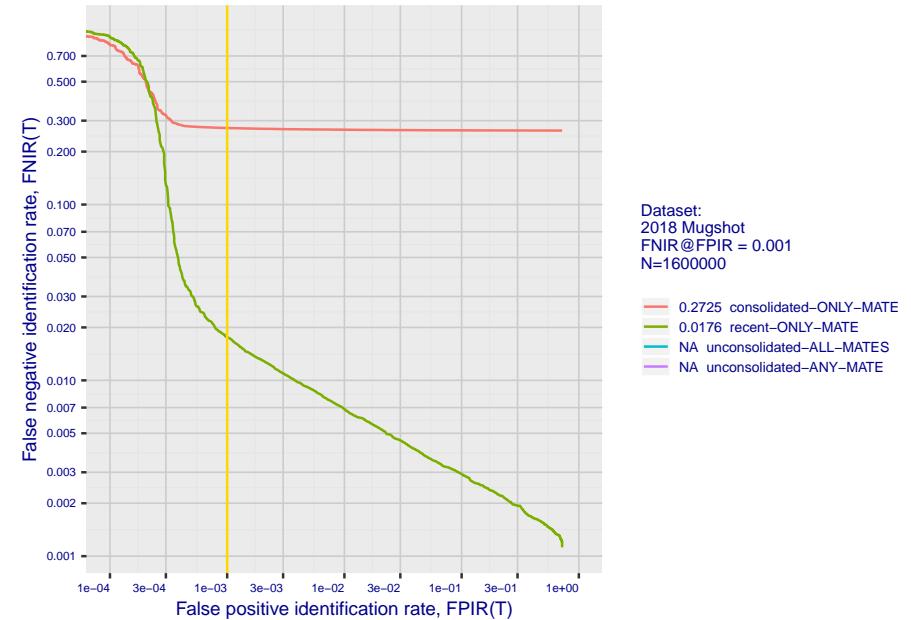
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



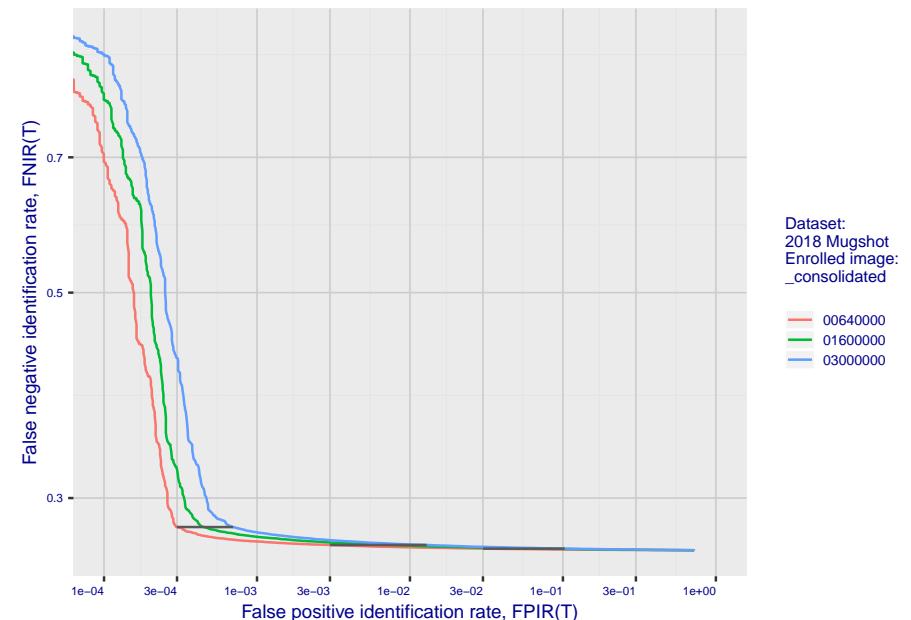
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

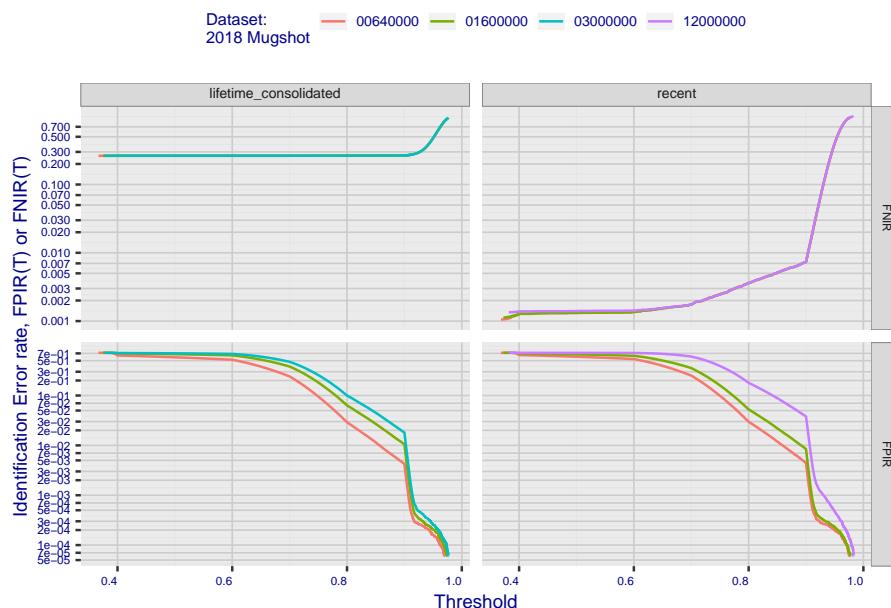


**Fig 4: DET for various N. Links connect points of equal threshold.**

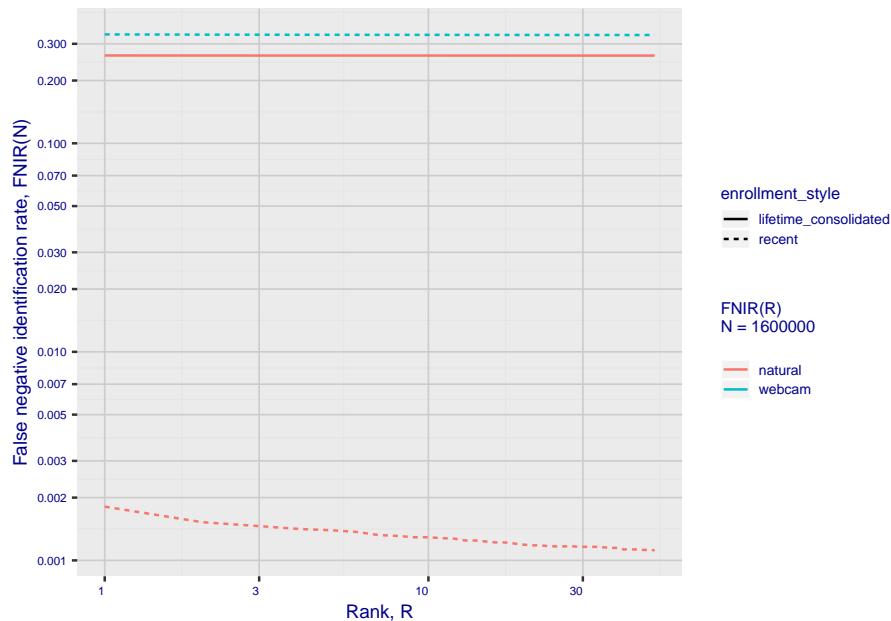


## 2. Report for algorithm siat\_1 2020-03-20 13:20:38

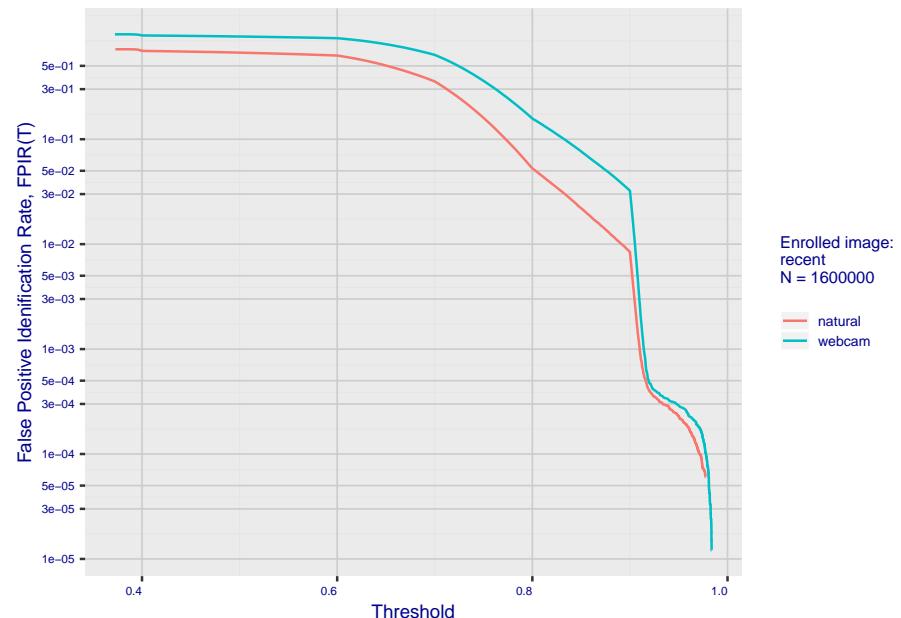
**Fig 5: Dependence on T by number enrolled identities**



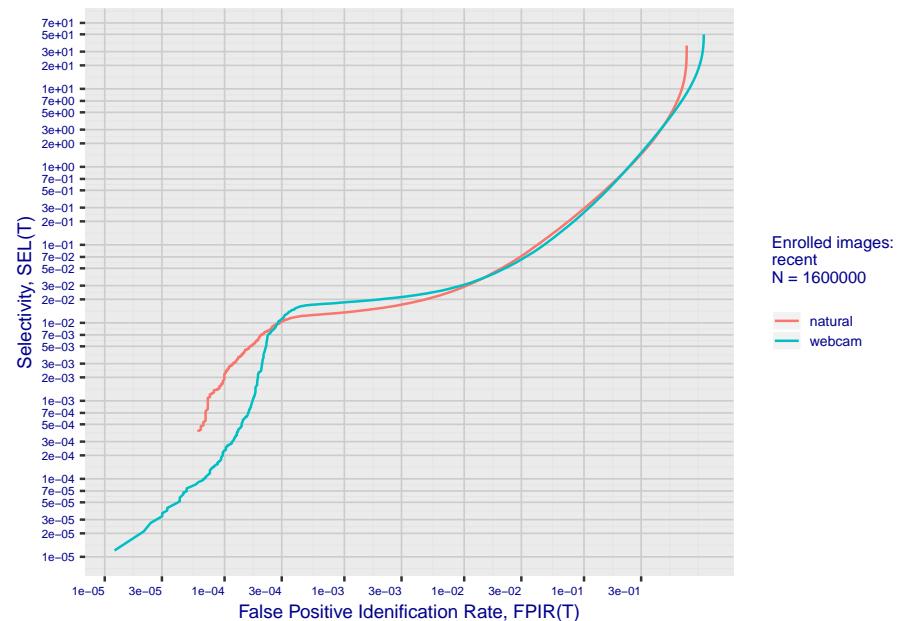
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



3. Report for algorithm siat\_1 2020-03-20 13:20:38

Fig 9: Solo-Twin and Twin-Twin similarity scores

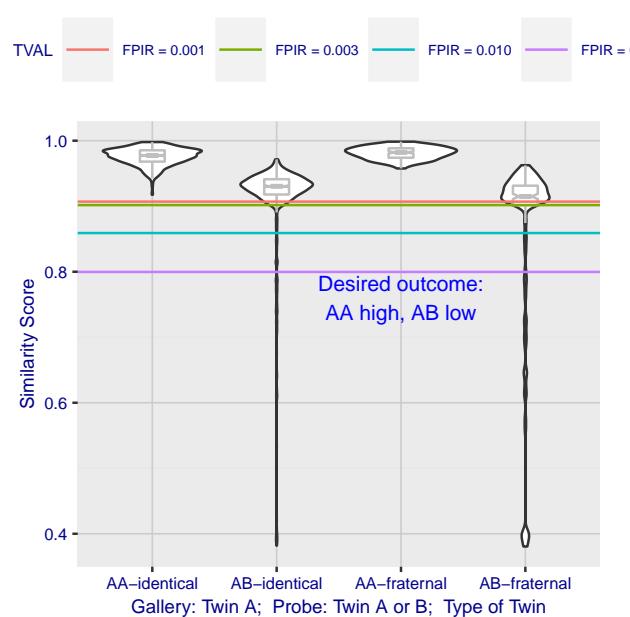


Fig 10: Template duration; search duration vs. N

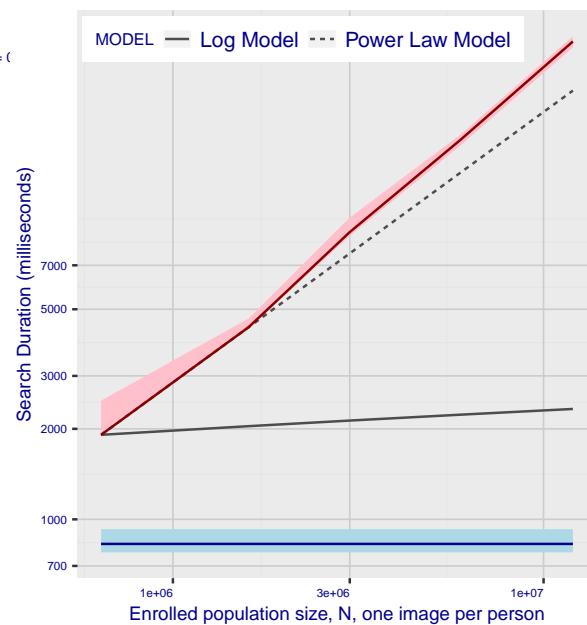
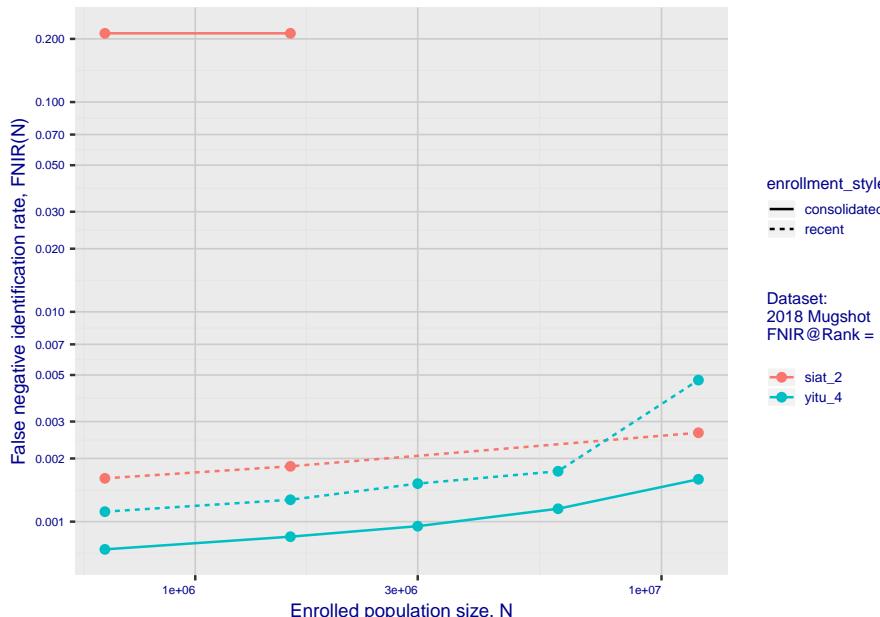


Fig 11: Datasheet

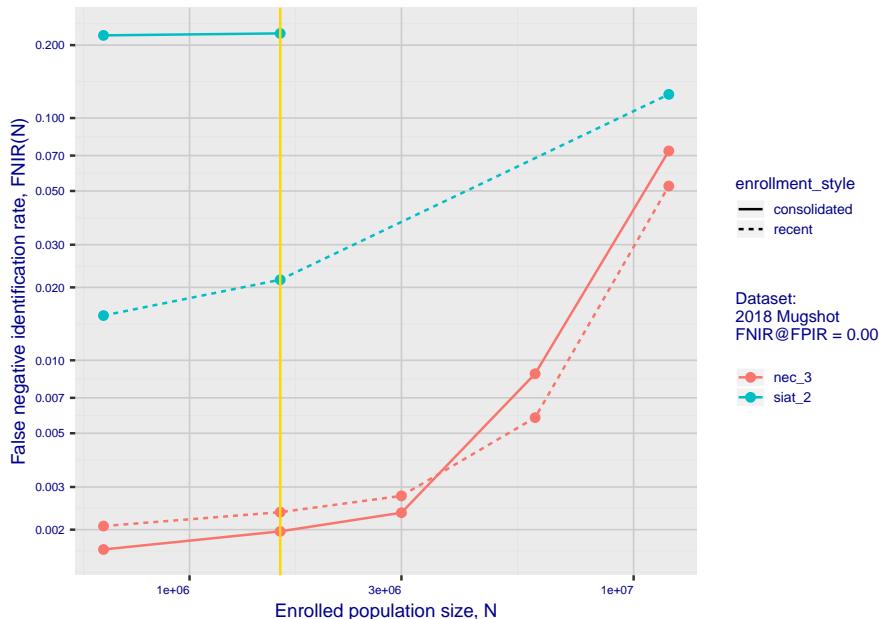
Algorithm:	siat_1
Developer:	Shenzhen Inst Adv Integrated Tech CAS
Submission Date:	2018_06_30
Template size:	2052 bytes
Template time (2.5 percentile):	777 msec
Template time (median):	829 msec
Template time (97.5 percentile):	927 msec
Investigation rank 11 --- FNIR(1600000, 0, 1) = 0.0018 vs. lowest 0.0010 from sensetime_003	
Identification rank 13 --- FNIR(1600000, T, L+1) = 0.0176	
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm siat\_2 2020-03-20 13:18:48

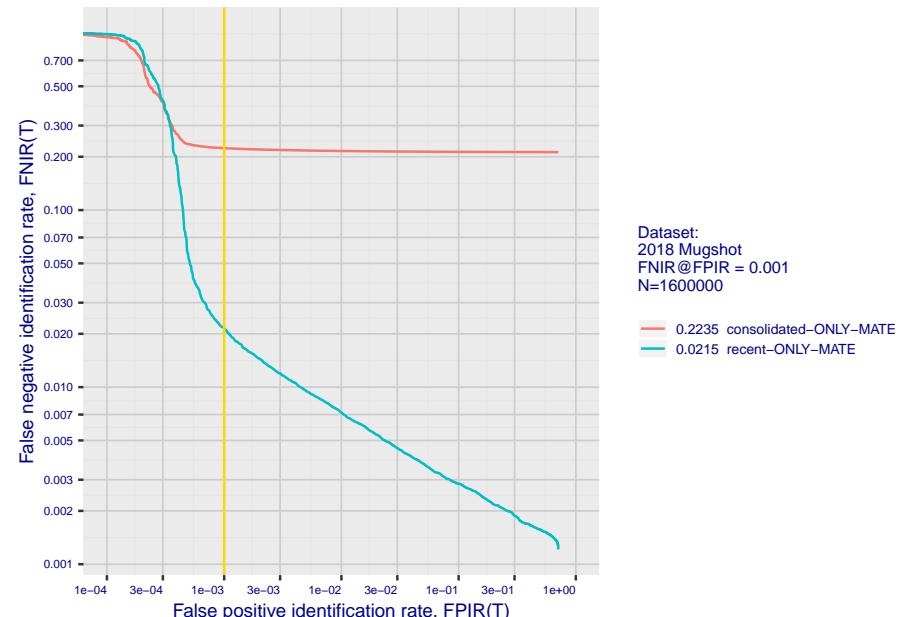
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



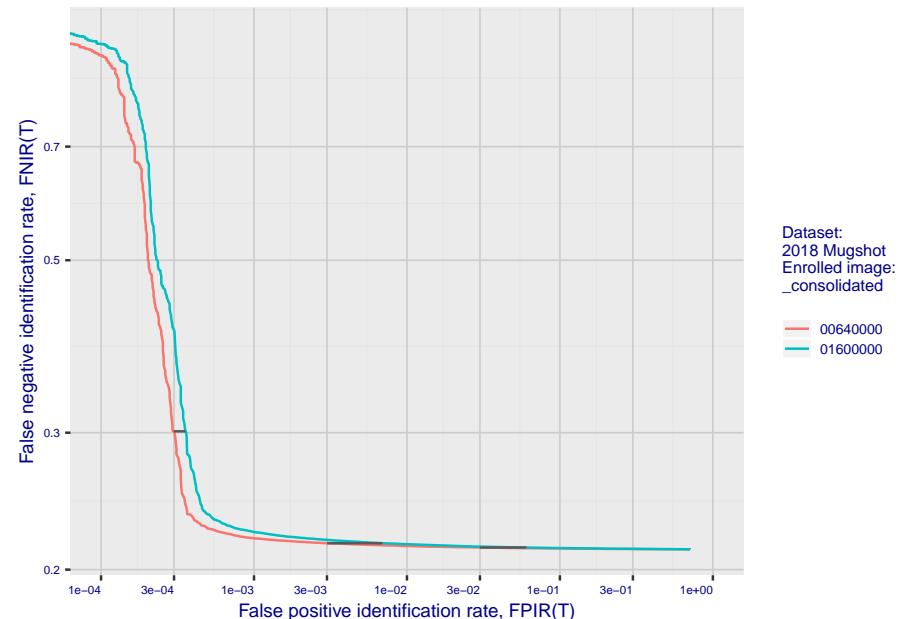
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

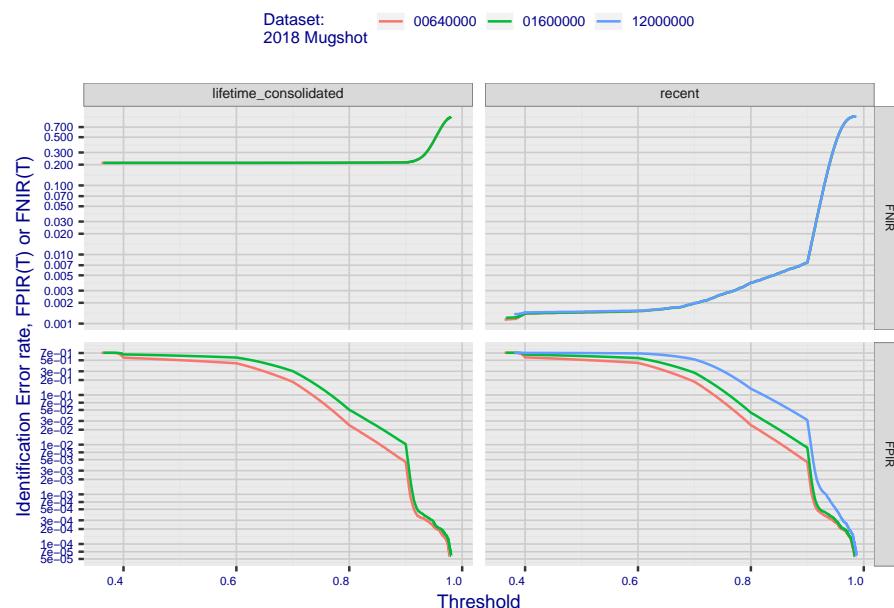


**Fig 4: DET for various N. Links connect points of equal threshold.**

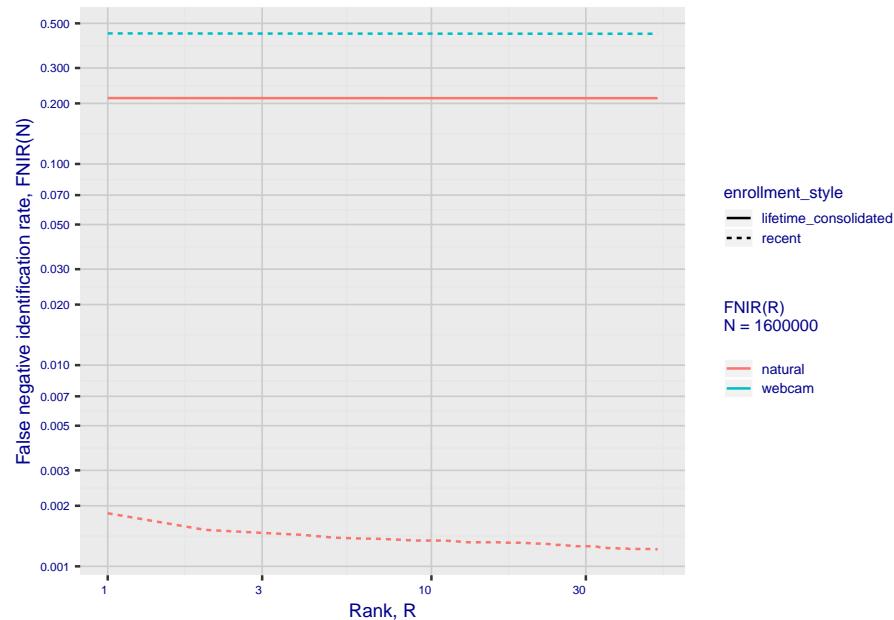


## 2. Report for algorithm siat\_2 2020-03-20 13:18:48

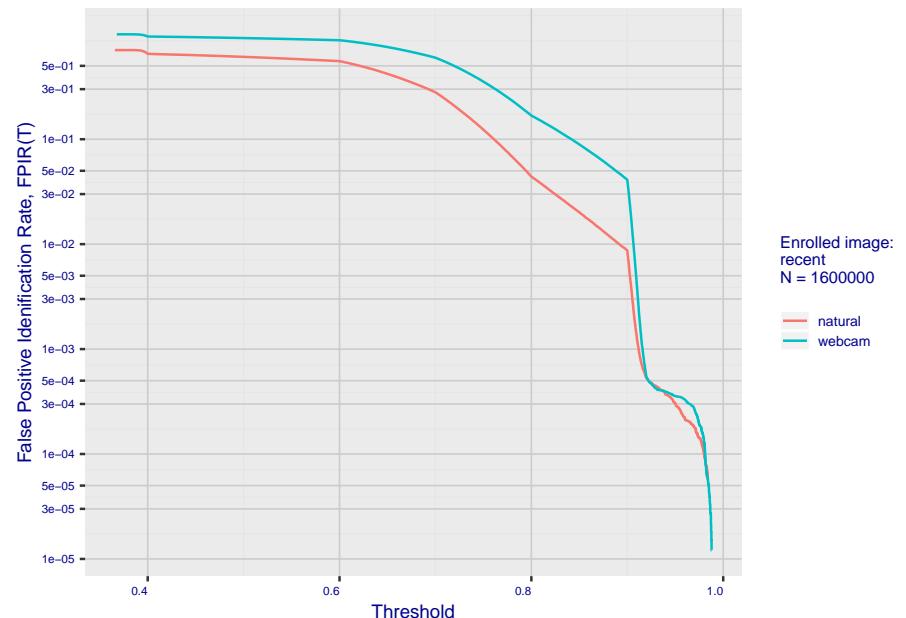
**Fig 5: Dependence on T by number enrolled identities**



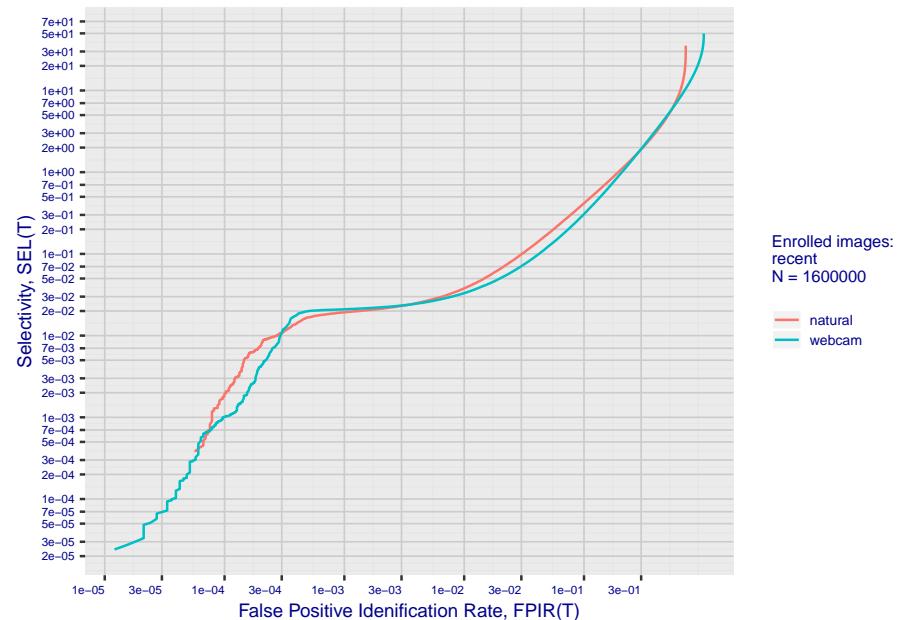
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

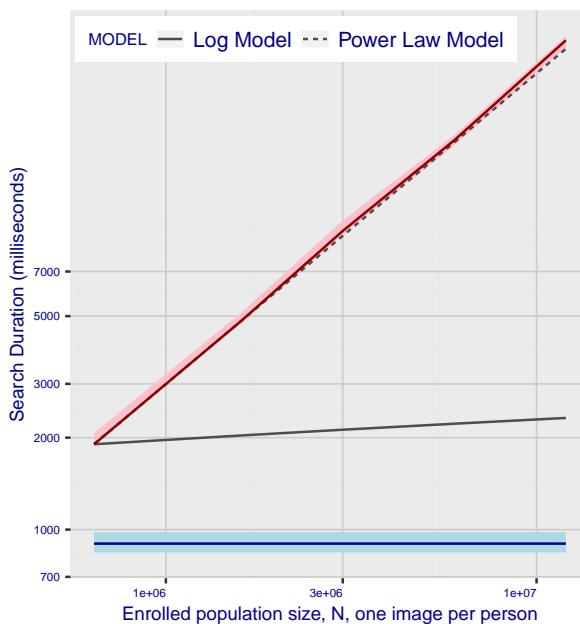


**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm siat\_2 2020-03-20 13:18:48

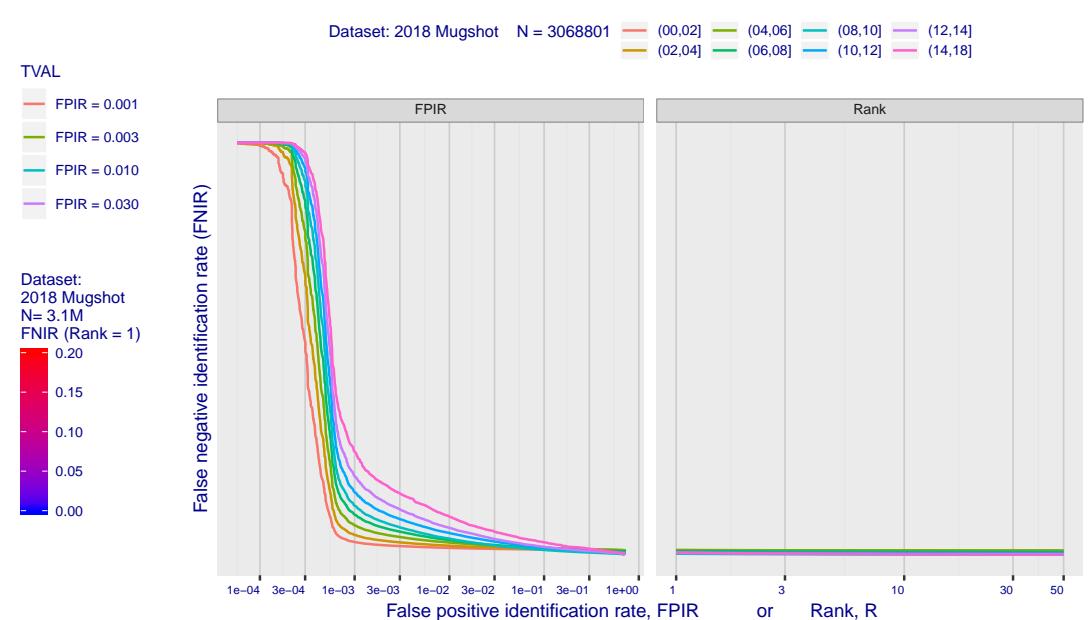
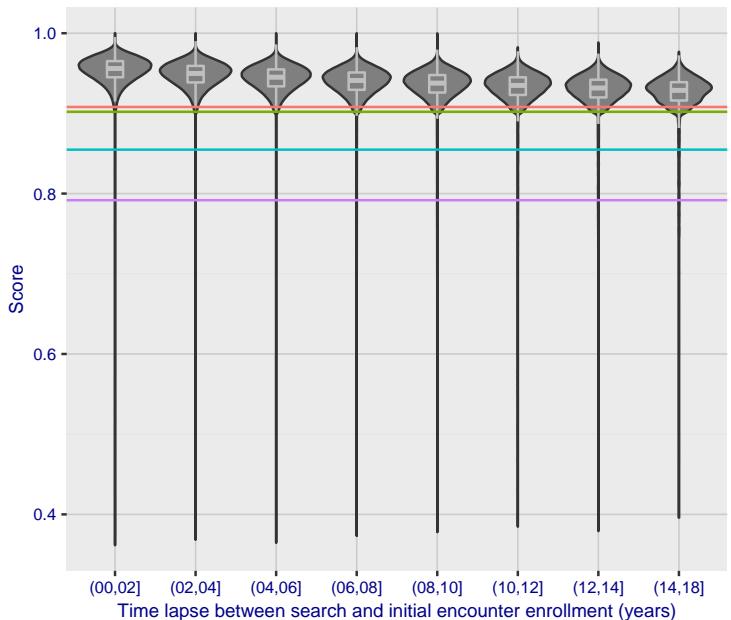
**Fig 10: Template duration; search duration vs. N**



**Fig 11: Datasheet**

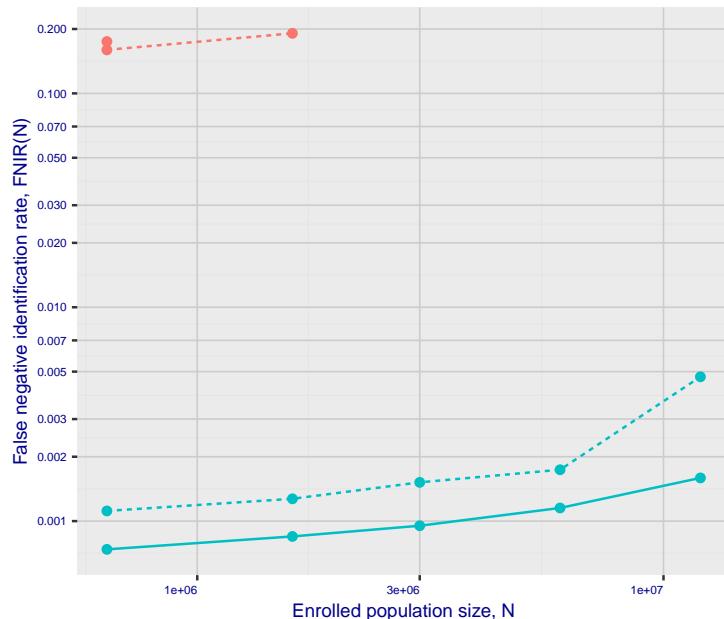
Algorithm: siat_2
Developer: Shenzhen Inst Adv Integrated Tech CAS
Submission Date: 2018_02_30
Template size: 2052 bytes
Template time (2.5 percentile): 842 msec
Template time (median): 900 msec
Template time (97.5 percentile): 981 msec
Investigation rank 12 --- FNIR(1600000, 0, 1) = 0.0018 vs. lowest 0.0010 from sensetime_003
Identification rank 18 --- FNIR(1600000, T, L+1) = 0.0215
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 12: Decline of genuine scores with ageing**

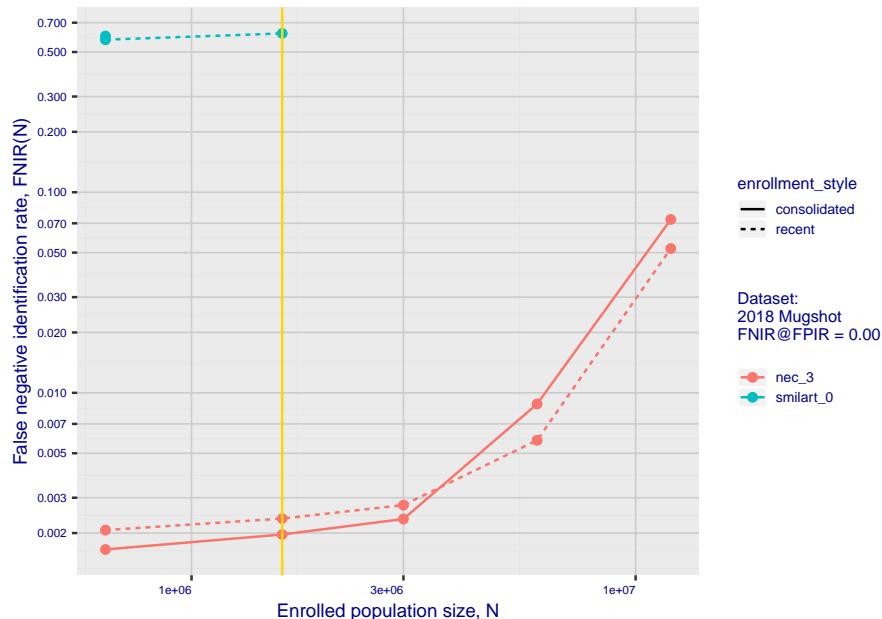


# 1. Report for algorithm smilart\_0 2020-03-20 13:23:11

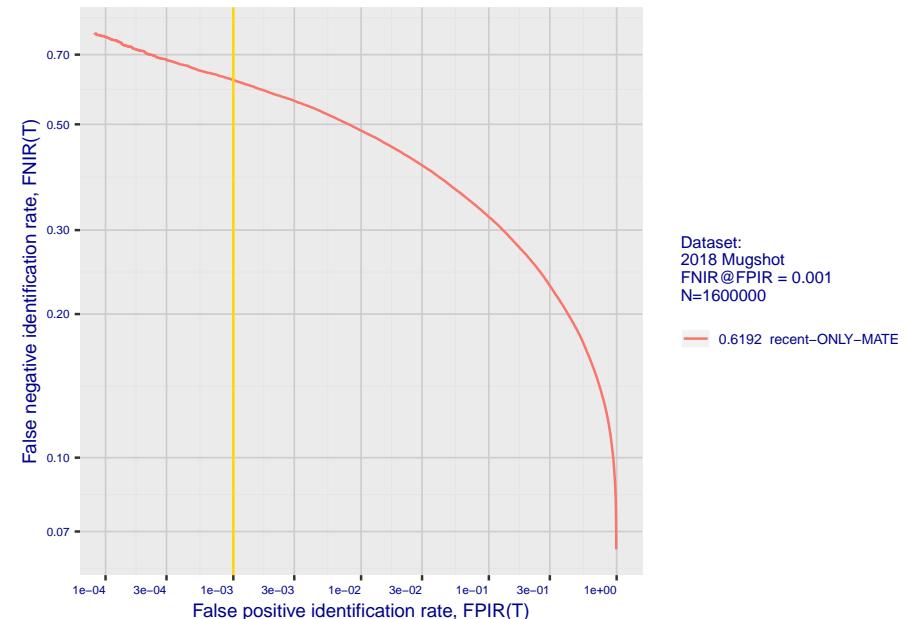
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



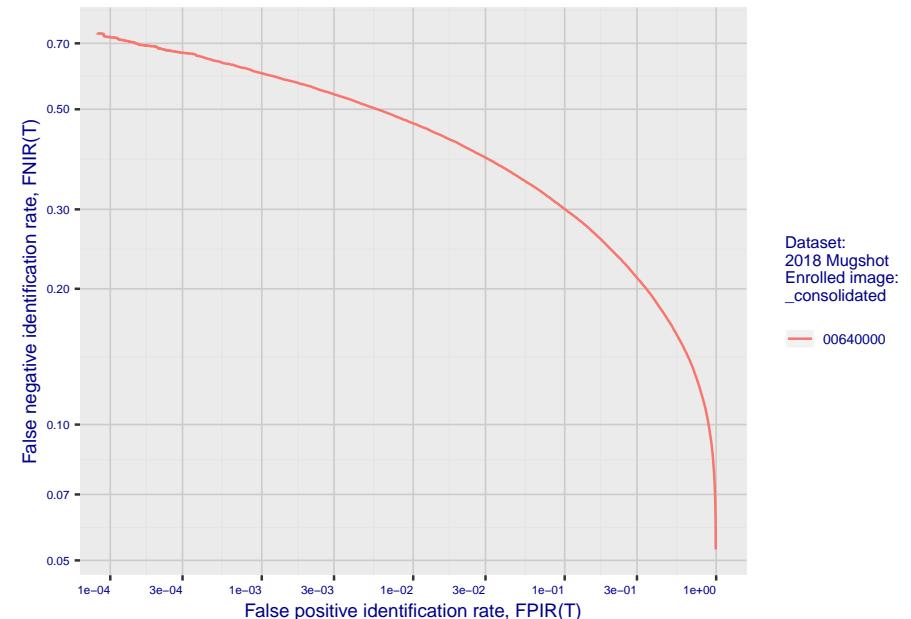
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

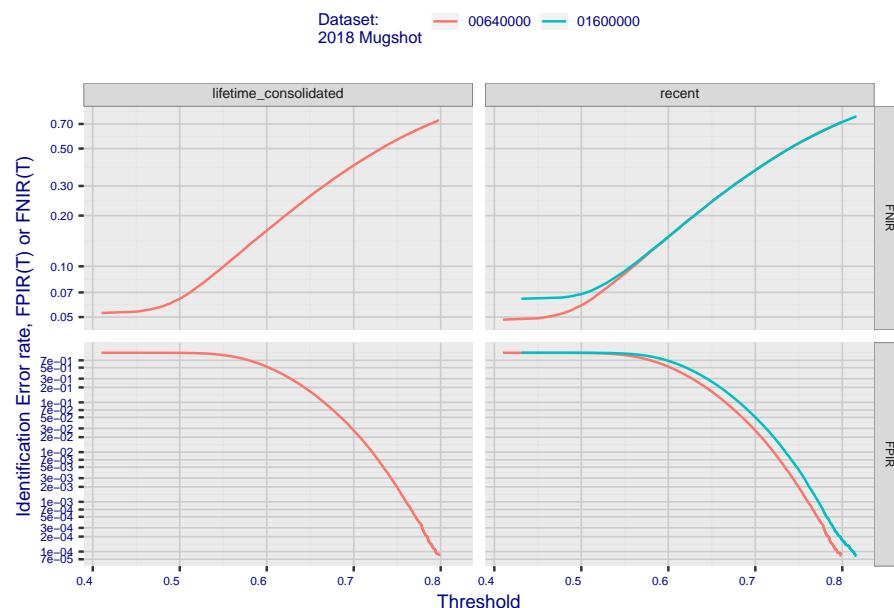
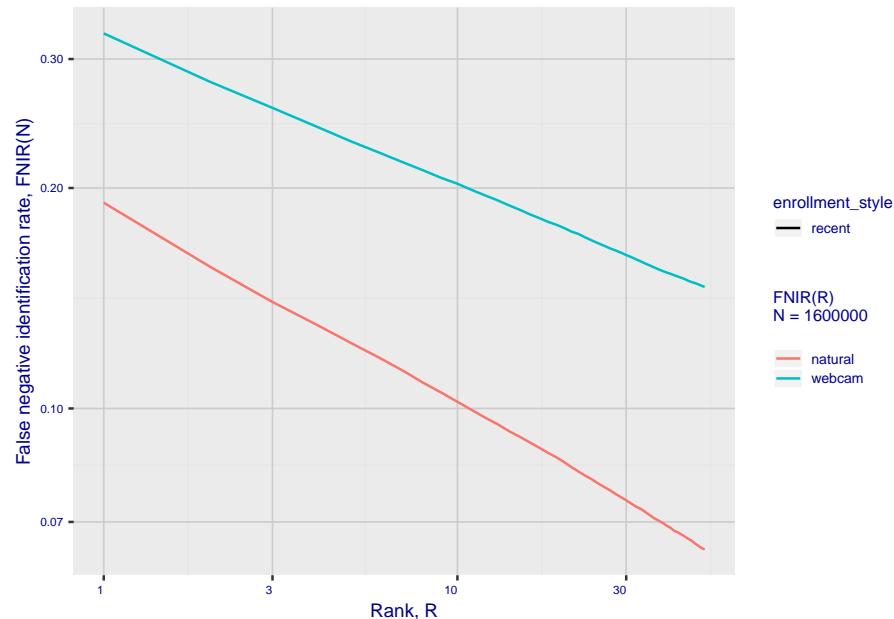
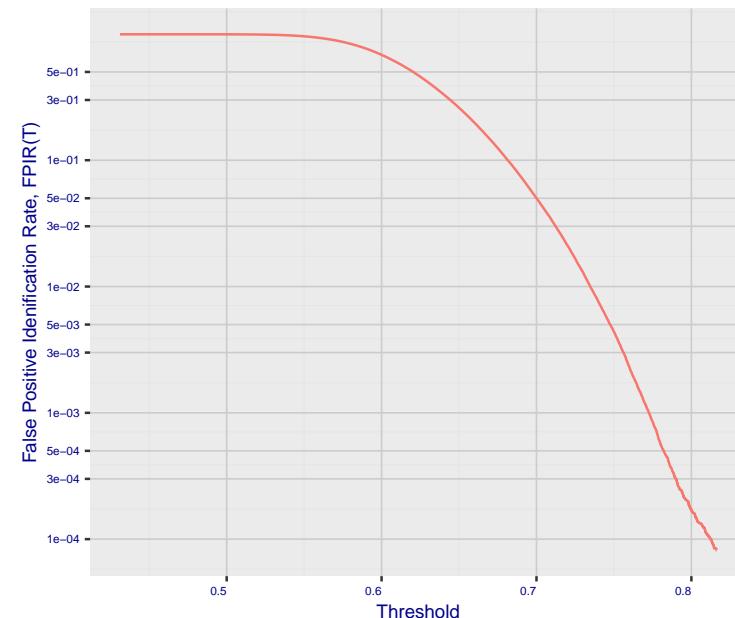
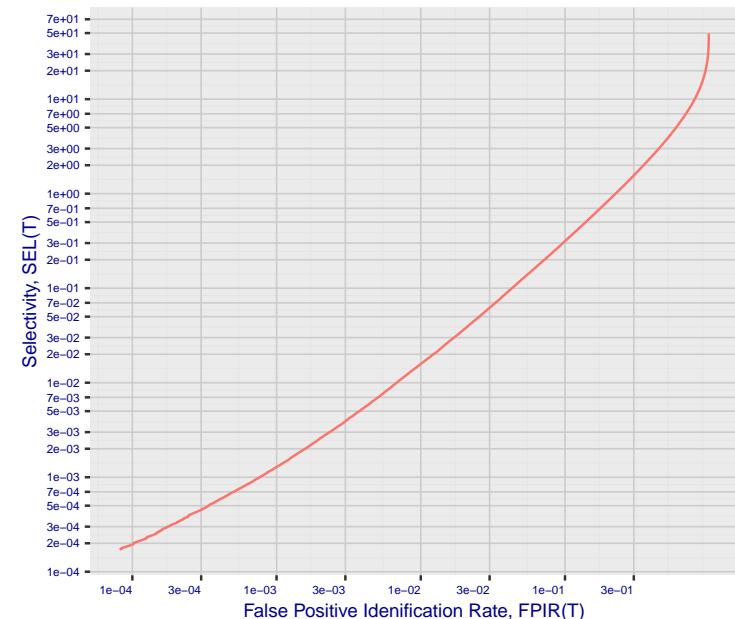


**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**



**2. Report for algorithm smilart\_0 2020-03-20 13:23:11****Fig 5: Dependence on T by number enrolled identities****Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type****Fig 6: FPIR dependence on T by probe type****Fig 8: FPIR vs. Selectivity**

### 3. Report for algorithm smilart\_0 2020-03-20 13:23:11

Fig 10: Template duration; search duration vs. N

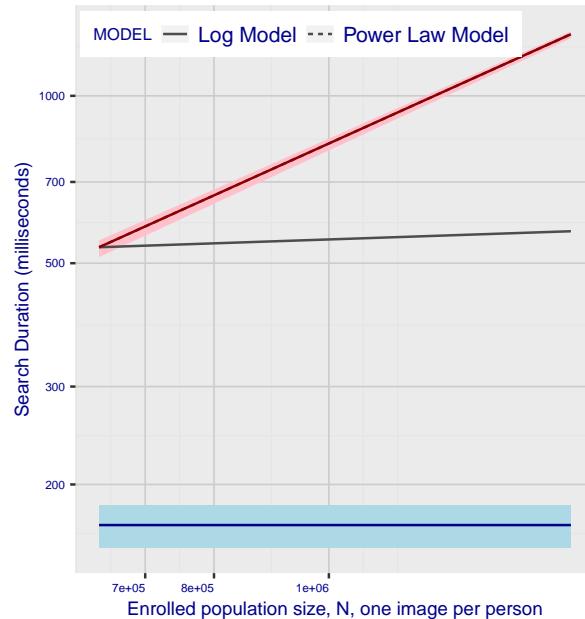
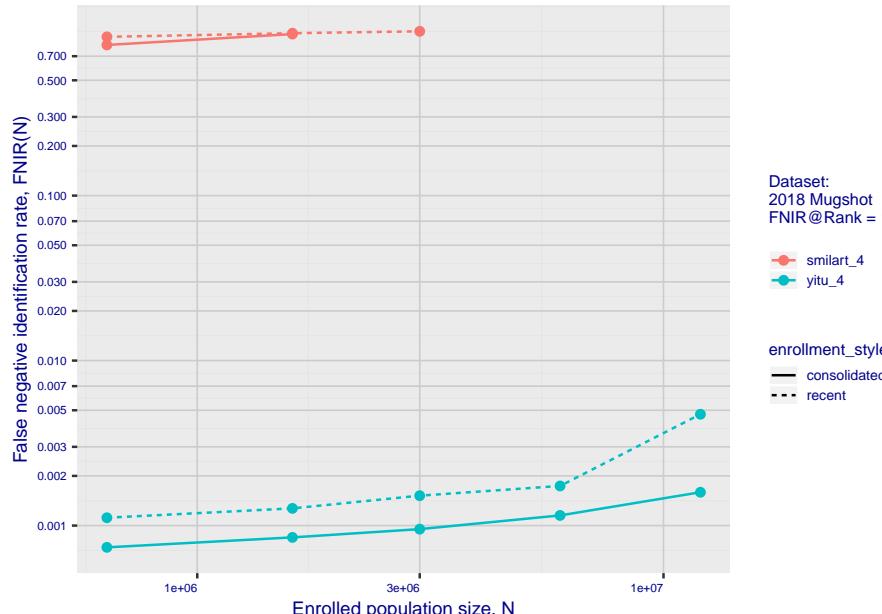


Fig 11: Datasheet

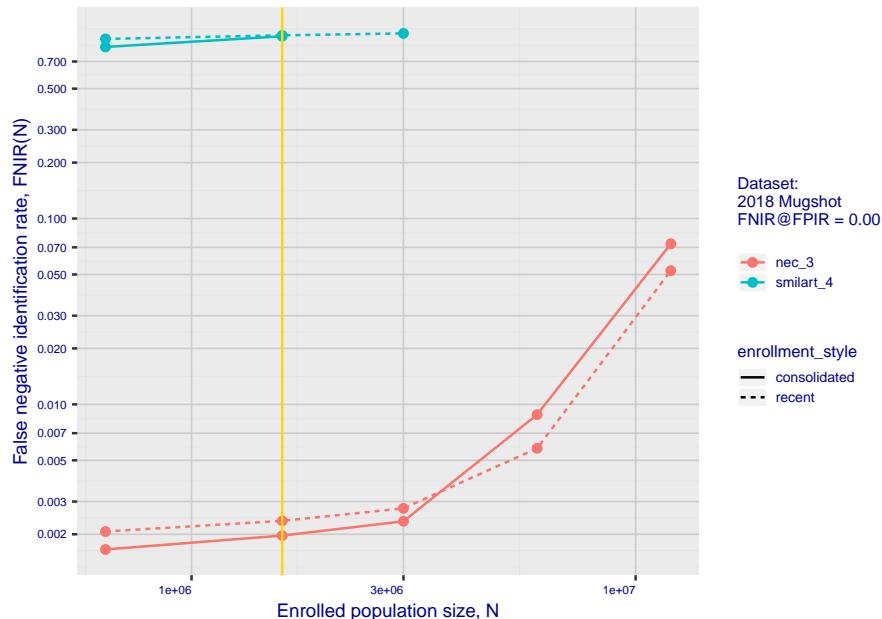
Algorithm: smilart_0
Developer: Smilart
Submission Date: 2018_02_15
Template size: 1024 bytes
Template time (2.5 percentile): 154 msec
Template time (median): 169 msec
Template time (97.5 percentile): 183 msec
Investigation rank 206 -- FNIR(1600000, 0, 1) = 0.1910 vs. lowest 0.0010 from sensetime_003
Identification rank 200 -- FNIR(1600000, T, L+1) = 0.6192
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm smilart\_4 2020-03-20 13:23:41

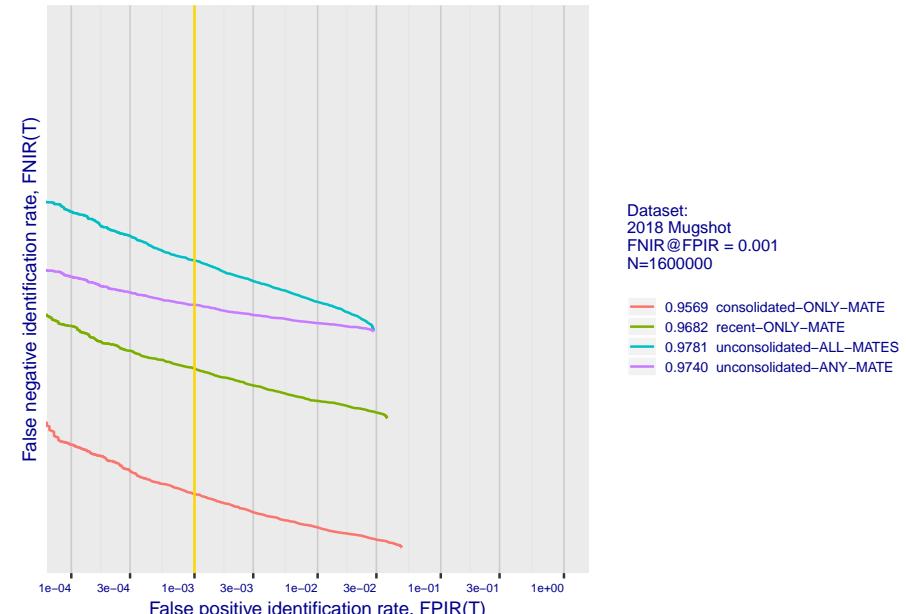
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



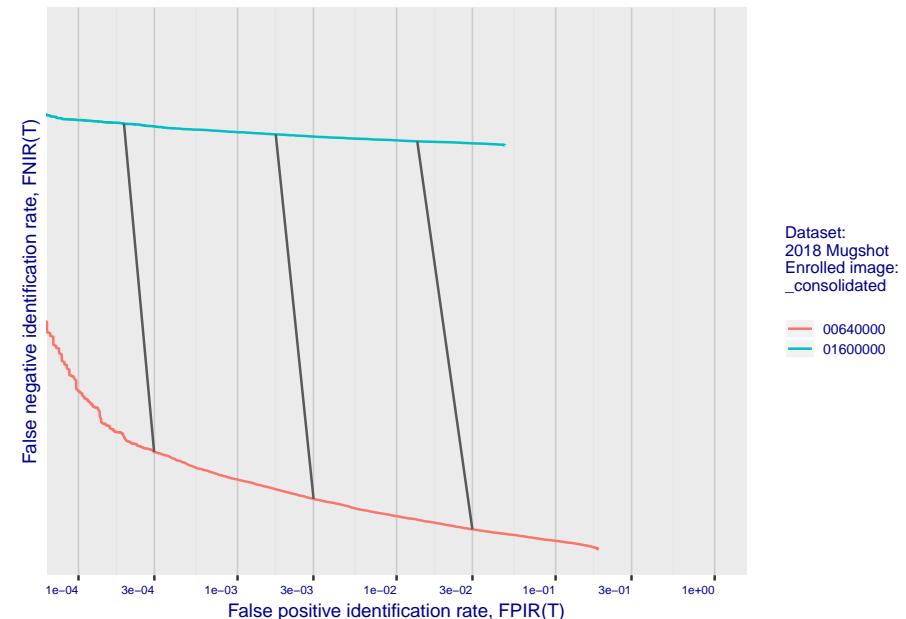
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

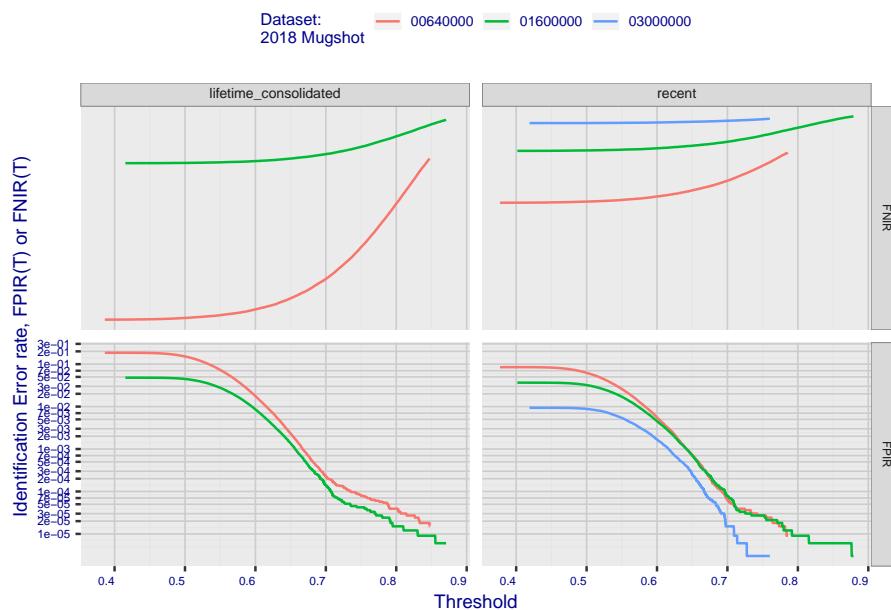


**Fig 4: DET for various N. Links connect points of equal threshold.**

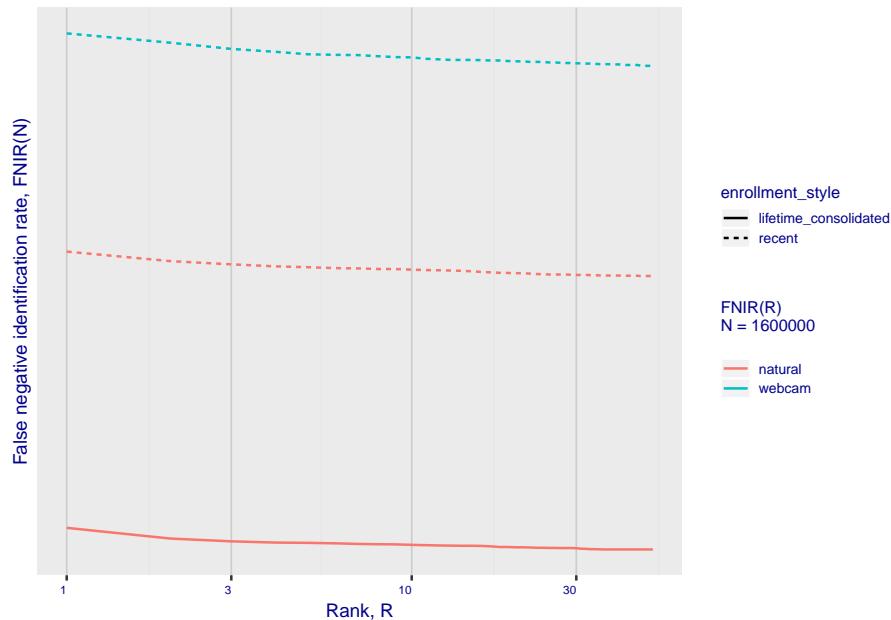


## 2. Report for algorithm smilart\_4 2020-03-20 13:23:41

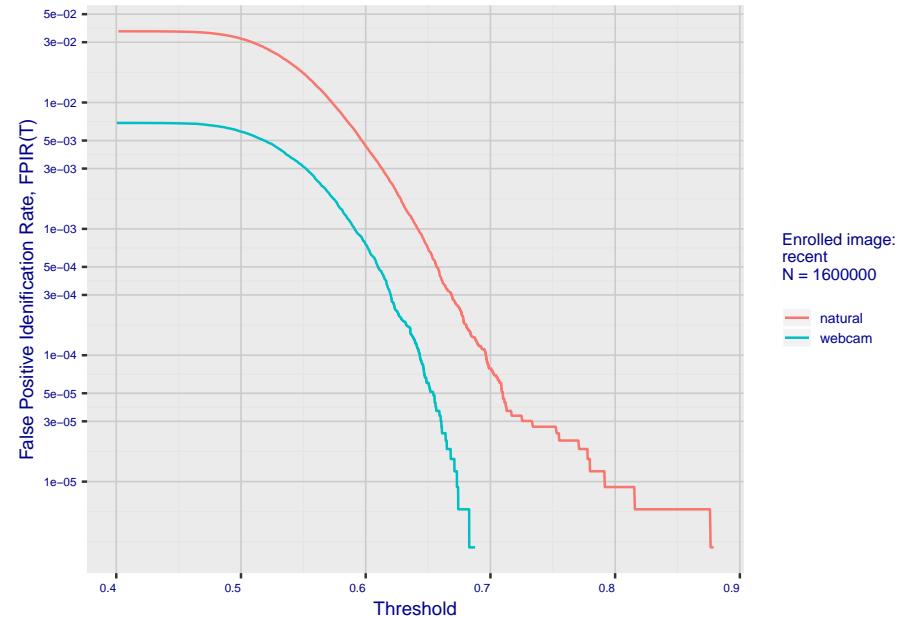
**Fig 5: Dependence on T by number enrolled identities**



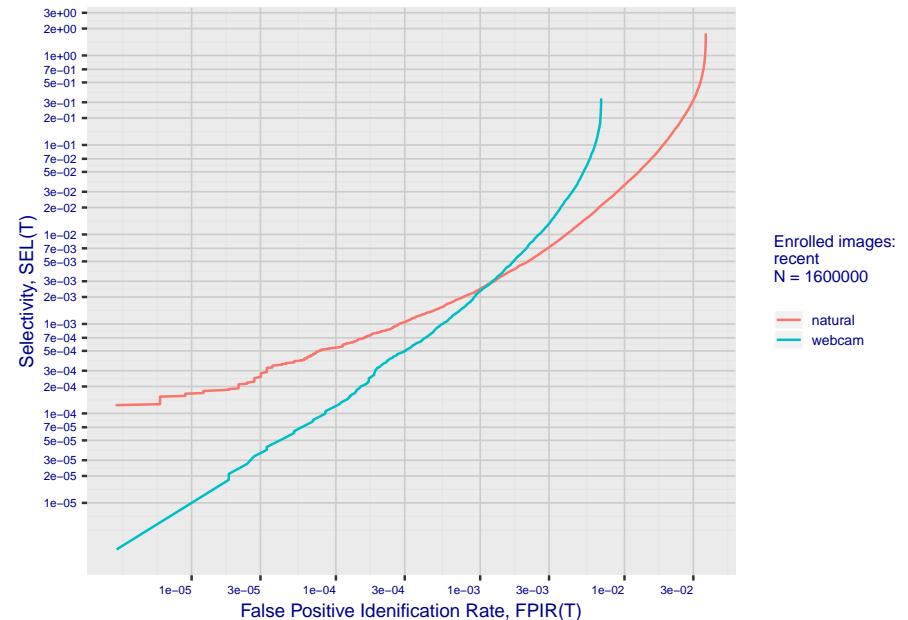
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm smilart\_4 2020-03-20 13:23:41

Fig 10: Template duration; search duration vs. N

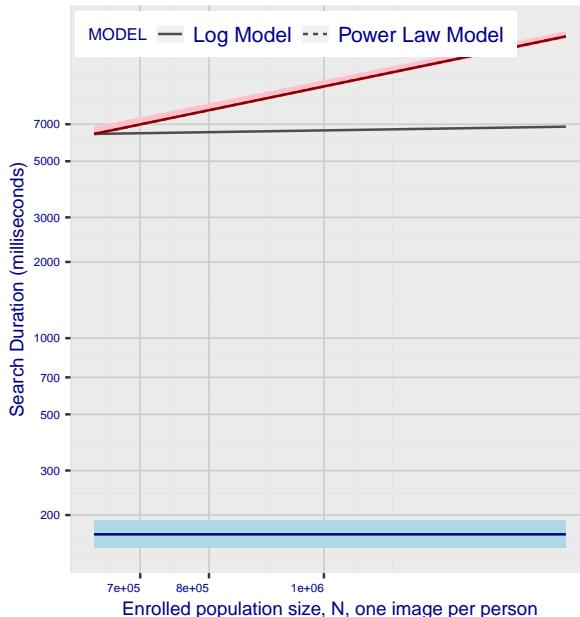
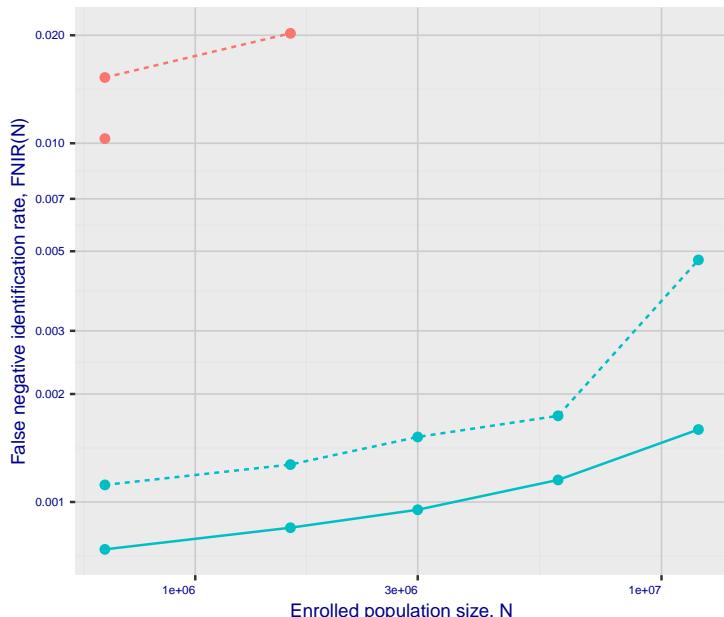


Fig 11: Datasheet

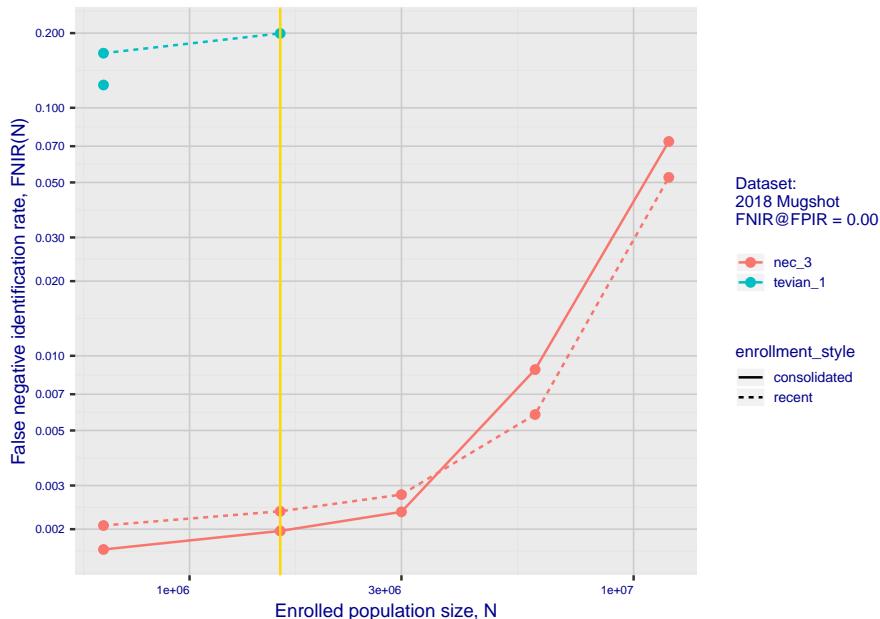
Algorithm:	smilart_4
Developer:	Smilart
Submission Date:	2018_10_30
Template size:	512 bytes
Template time (2.5 percentile):	149 msec
Template time (median):	168 msec
Template time (97.5 percentile):	191 msec
Investigation rank 234 -- FNIR(1600000, 0, 1) = 0.9648 vs. lowest 0.0010 from sensetime_003	
Identification rank 225 -- FNIR(1600000, T, L+1) = 0.9682	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm tevian\_1 2020-03-20 13:20:49

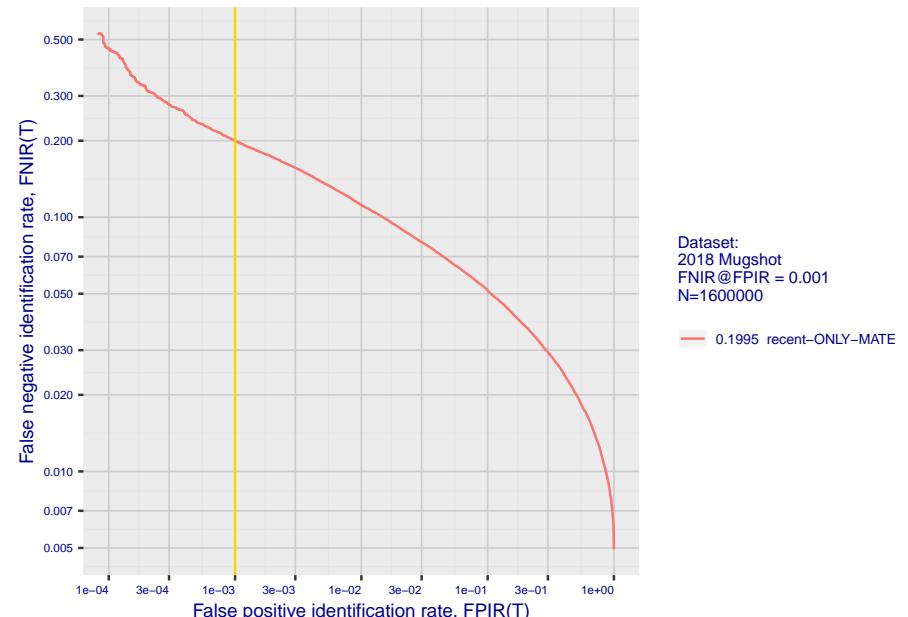
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



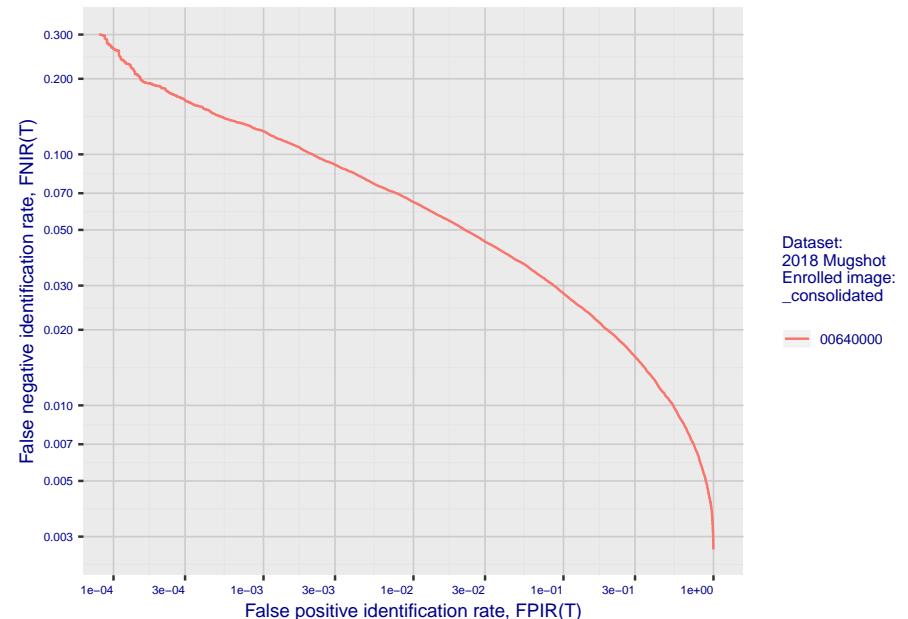
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

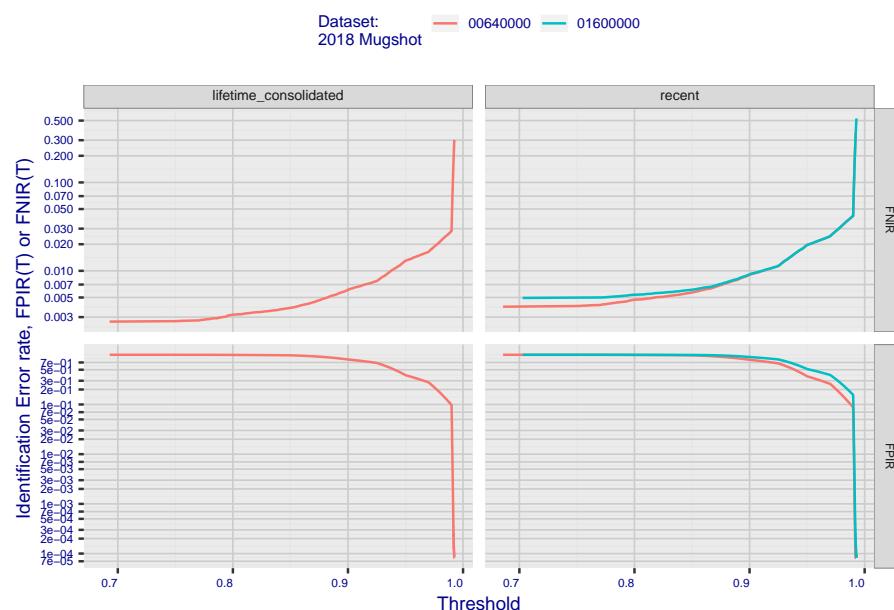


**Fig 4: DET for various N. Links connect points of equal threshold.**

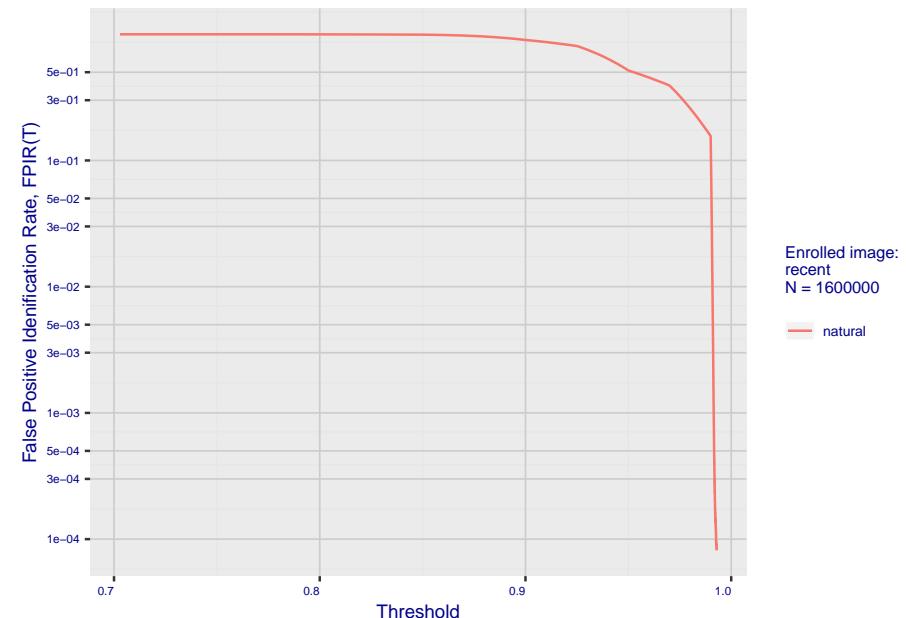


## 2. Report for algorithm tevian\_1 2020-03-20 13:20:49

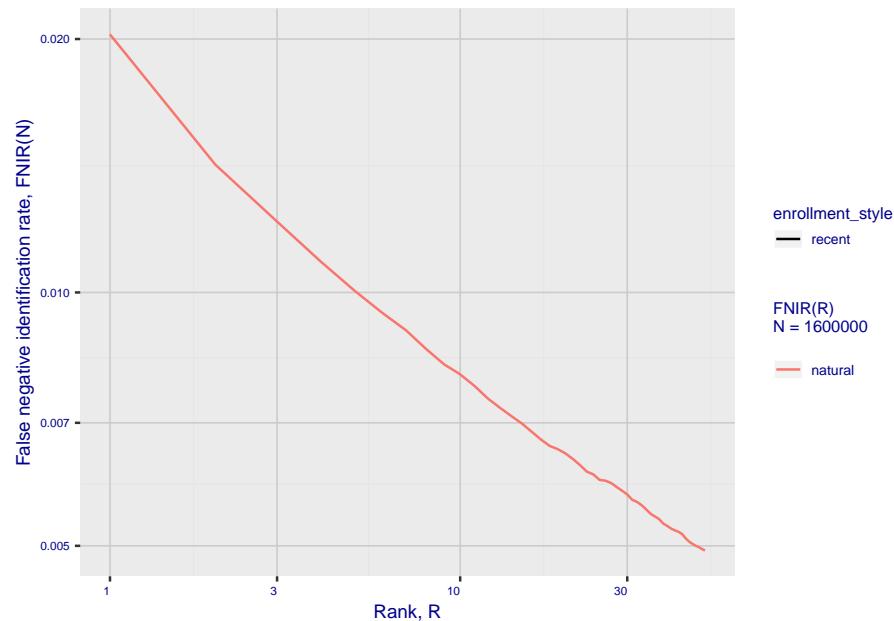
**Fig 5: Dependence on T by number enrolled identities**



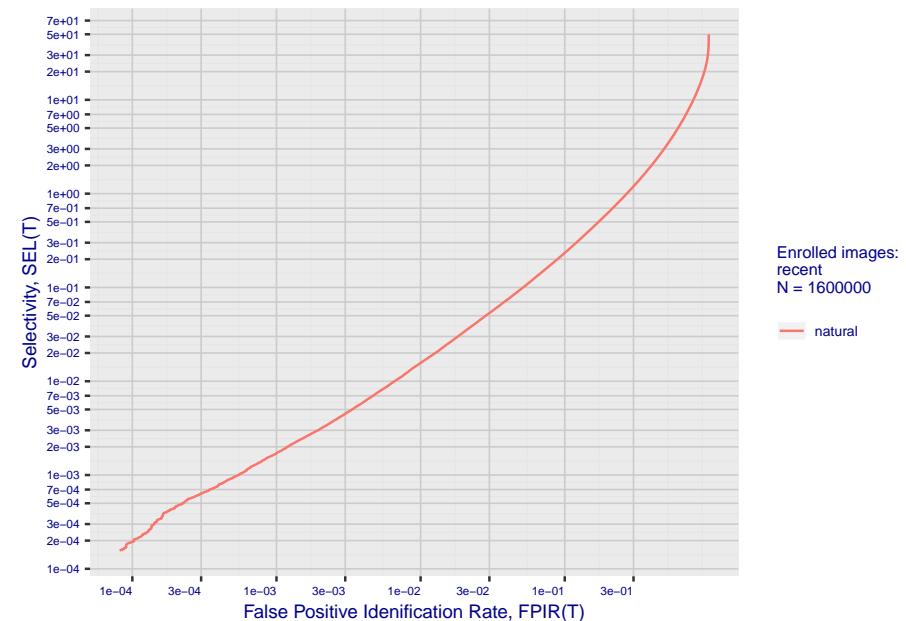
**Fig 6: FPIR dependence on T by probe type**



**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm tevian\_1 2020-03-20 13:20:49

Fig 10: Template duration; search duration vs. N

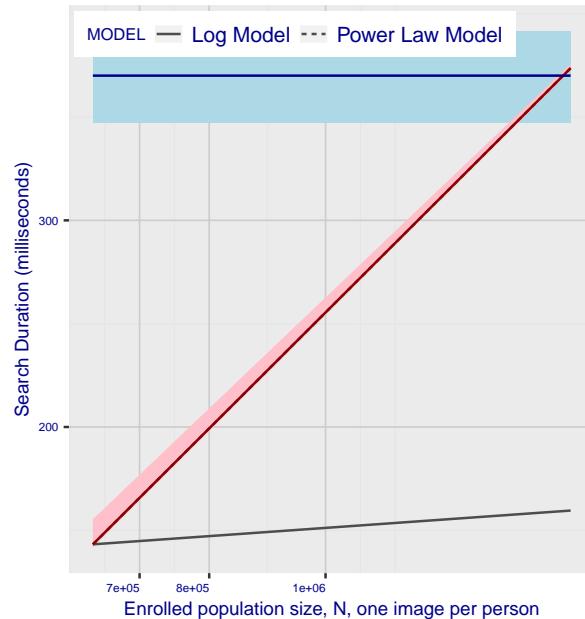
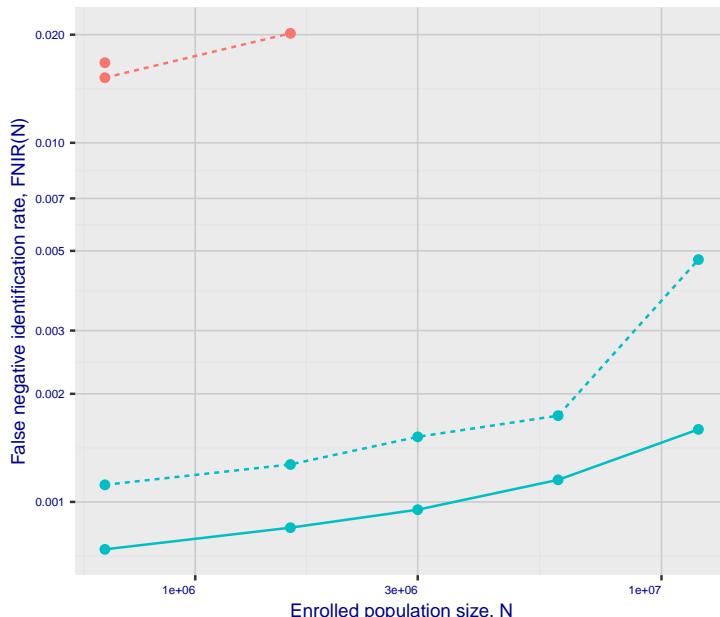


Fig 11: Datasheet

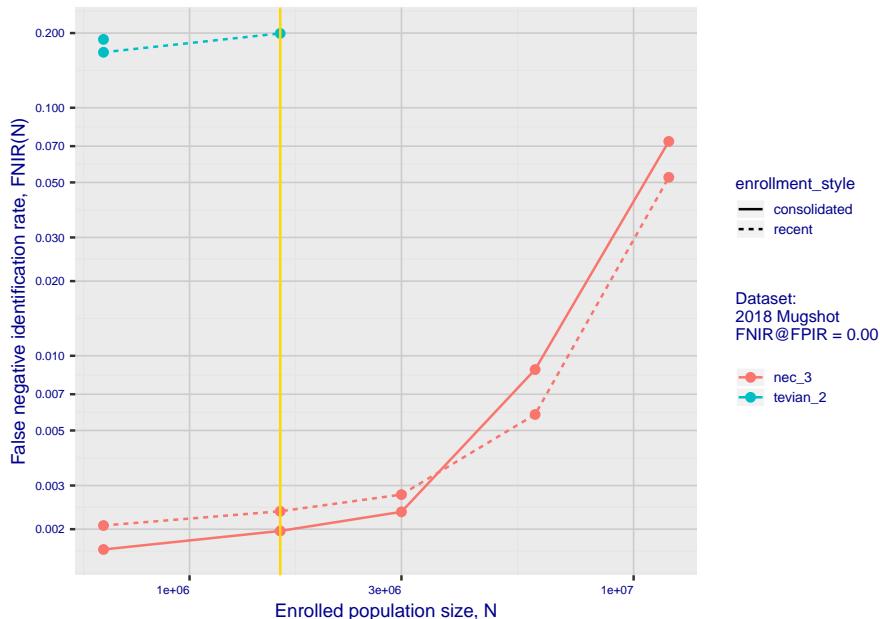
Algorithm: tevian_1
Developer: Tevian
Submission Date: 2018_02_16
Template size: 2048 bytes
Template time (2.5 percentile): 364 msec
Template time (median): 398 msec
Template time (97.5 percentile): 435 msec
Investigation rank 138 -- FNIR(1600000, 0, 1) = 0.0203 vs. lowest 0.0010 from sensetime_003
Identification rank 146 -- FNIR(1600000, T, L+1) = 0.1995
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm tevian\_2 2020-03-20 13:20:49

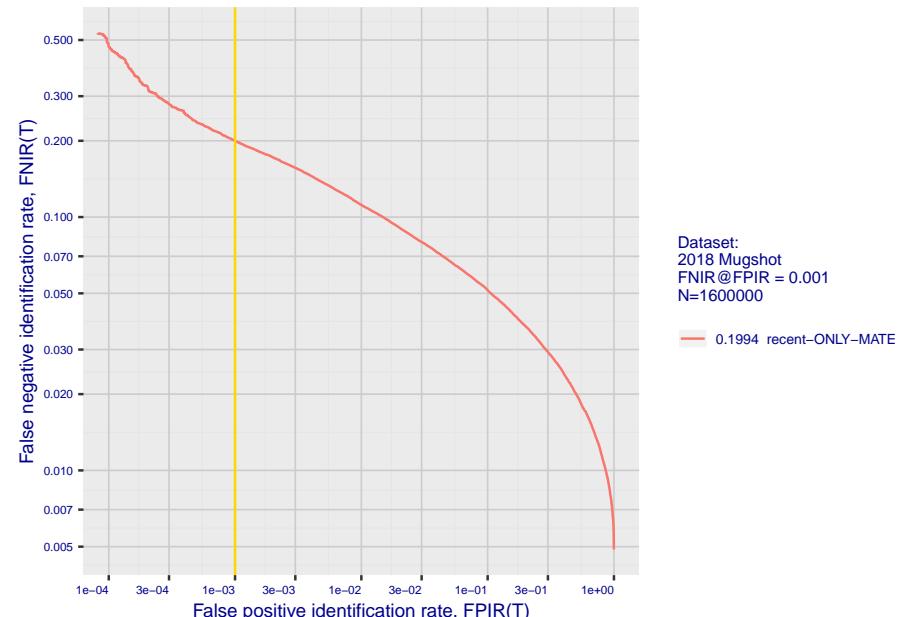
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



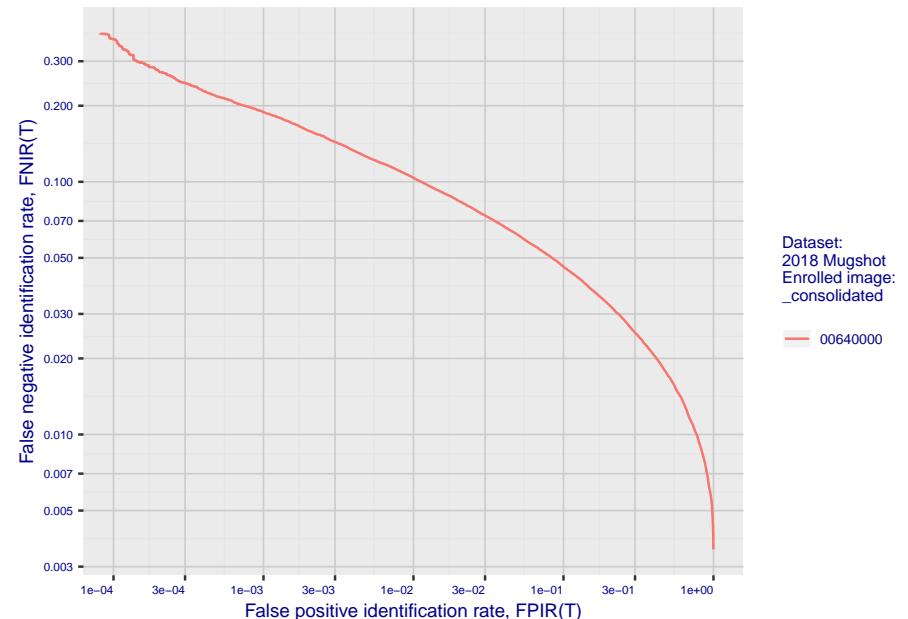
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

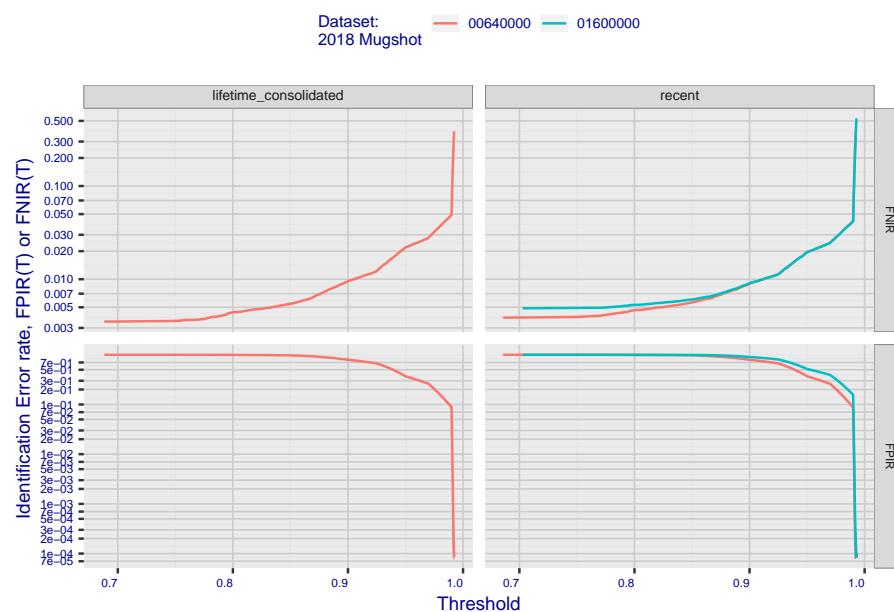


**Fig 4: DET for various N. Links connect points of equal threshold.**

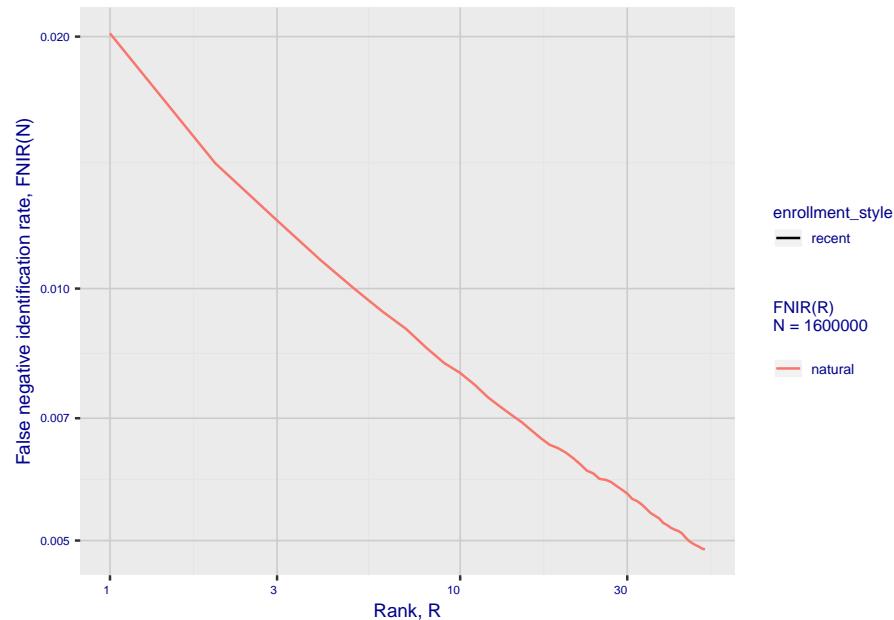


## 2. Report for algorithm tevian\_2 2020-03-20 13:20:49

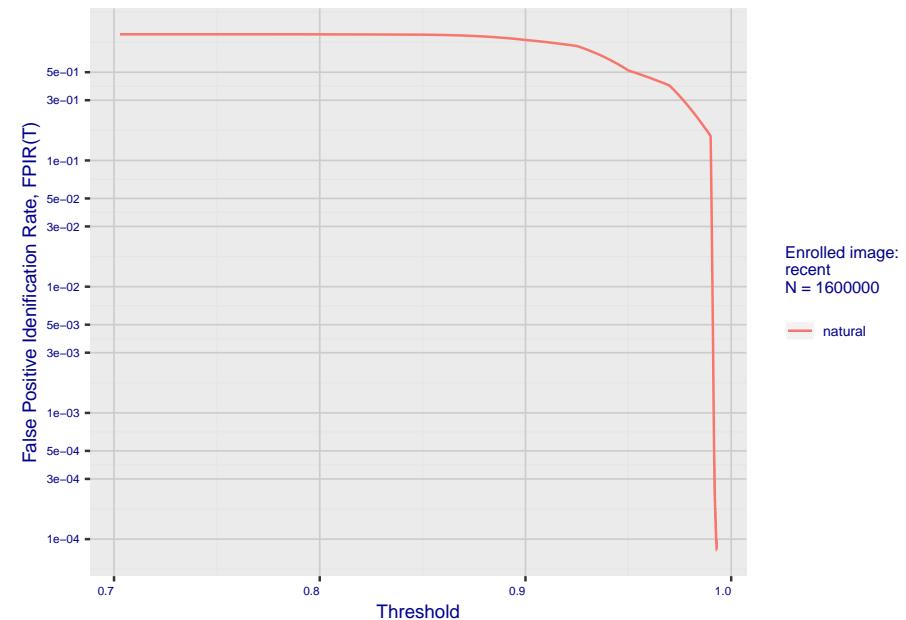
**Fig 5: Dependence on T by number enrolled identities**



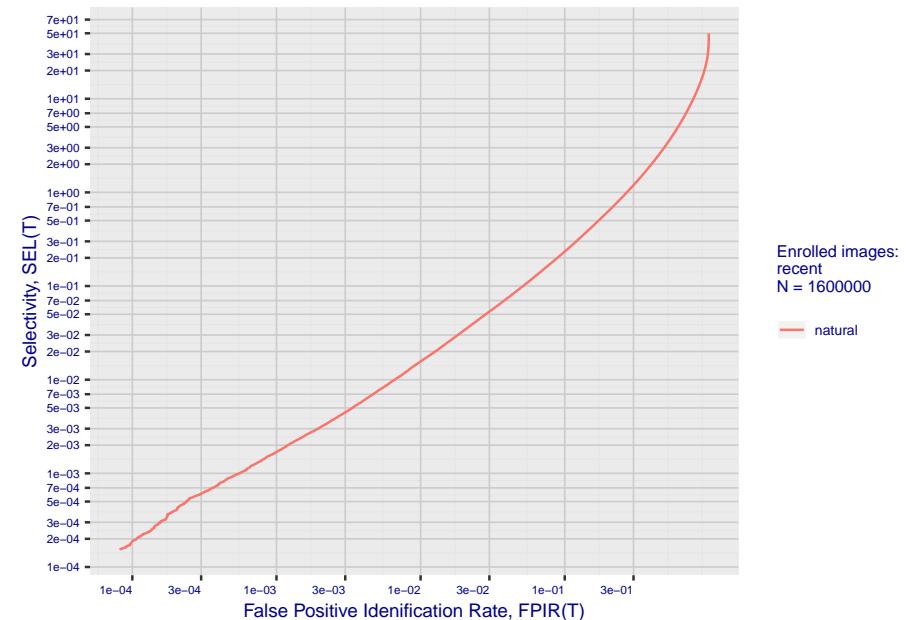
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm tevian\_2 2020-03-20 13:20:49

Fig 10: Template duration; search duration vs. N

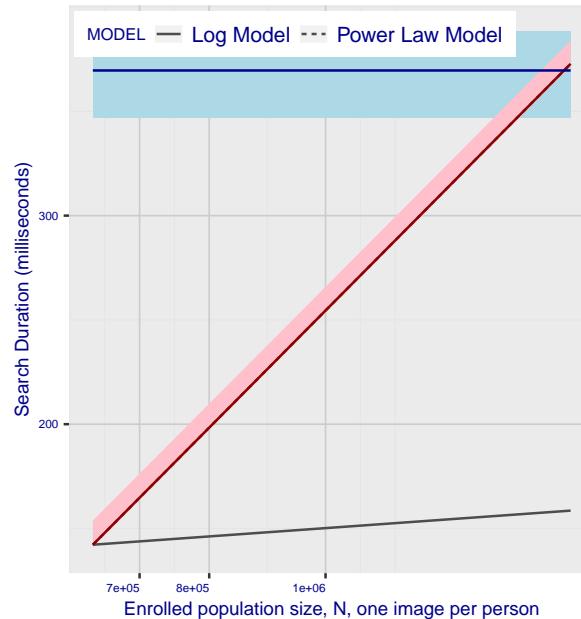
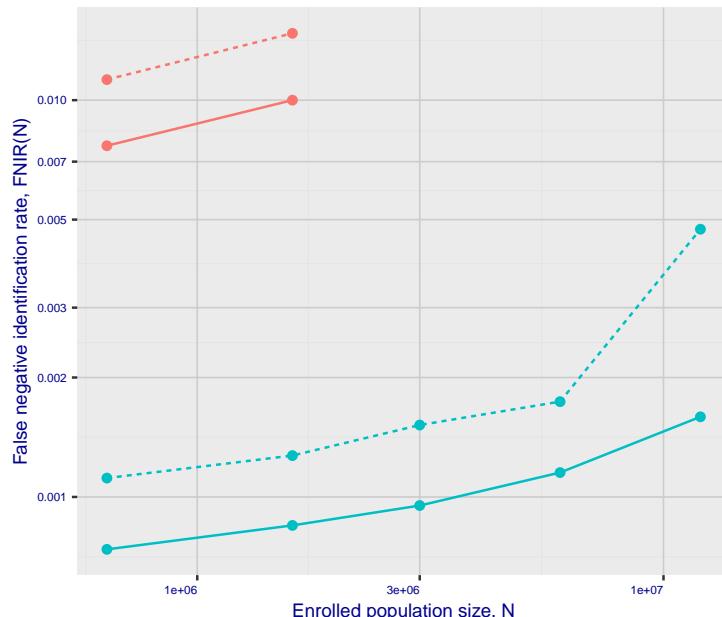


Fig 11: Datasheet

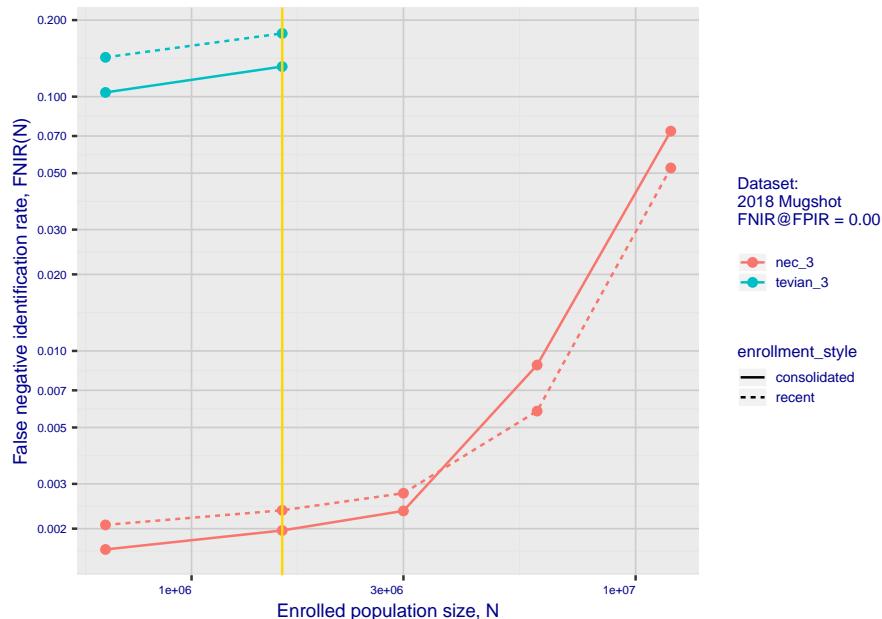
Algorithm:	tevian_2
Developer:	Tevian
Submission Date:	2018_02_16
Template size:	2048 bytes
Template time (2.5 percentile):	363 msec
Template time (median):	398 msec
Template time (97.5 percentile):	429 msec
Investigation rank 136 -- FNIR(1600000, 0, 1) = 0.0202 vs. lowest 0.0010 from sensetime_003	
Identification rank 144 -- FNIR(1600000, T, L+1) = 0.1994	
PPIR	= 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm tevian\_3 2020-03-20 13:20:34

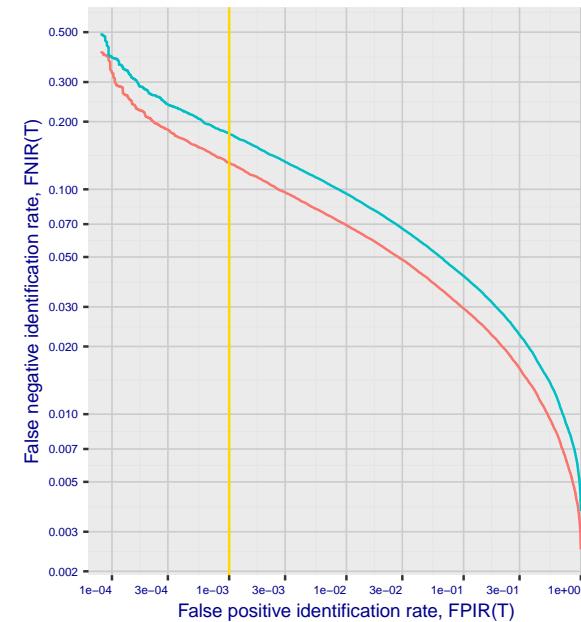
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



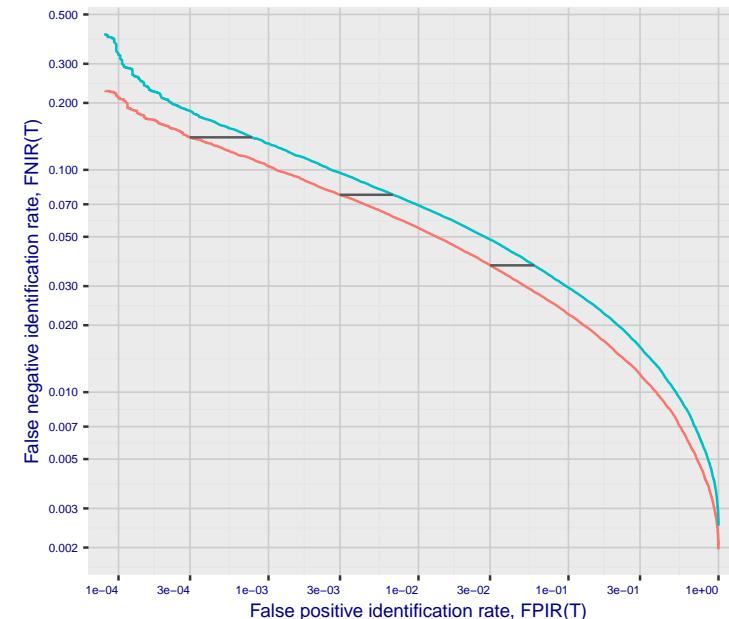
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

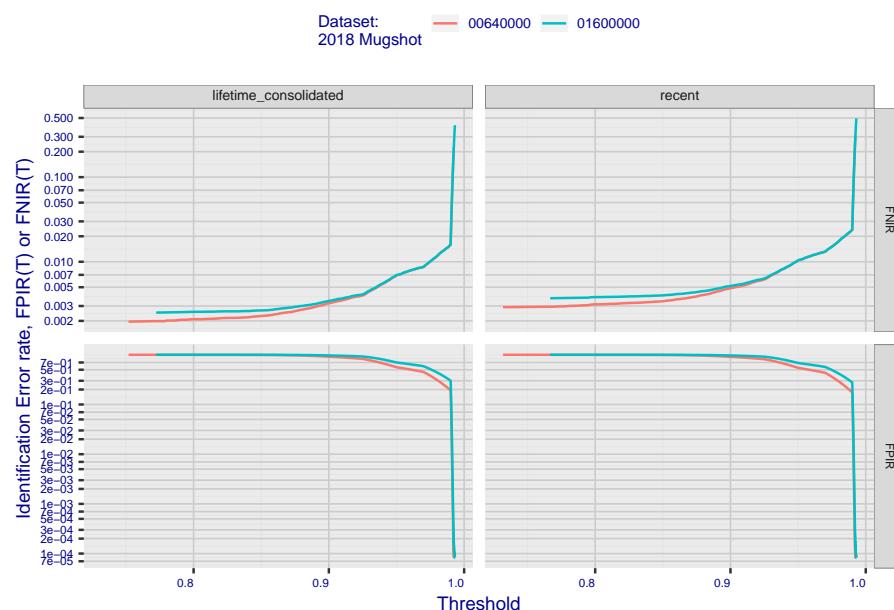


**Fig 4: DET for various N. Links connect points of equal threshold.**

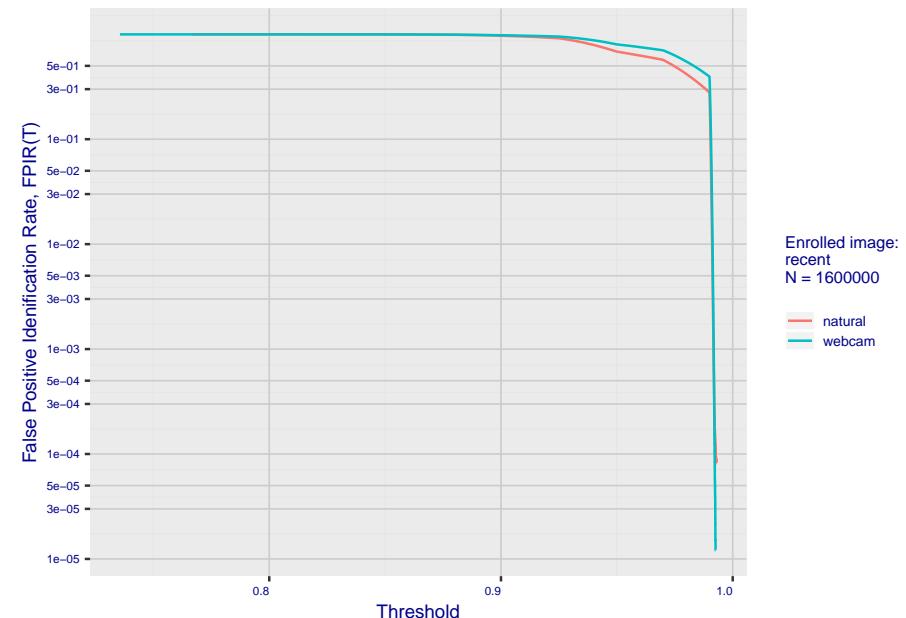


## 2. Report for algorithm tevian\_3 2020-03-20 13:20:34

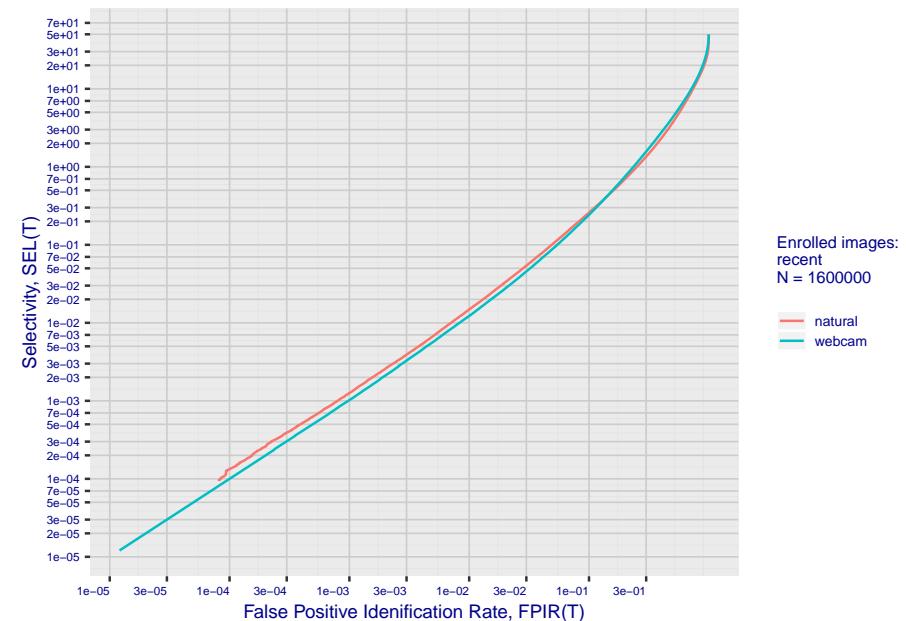
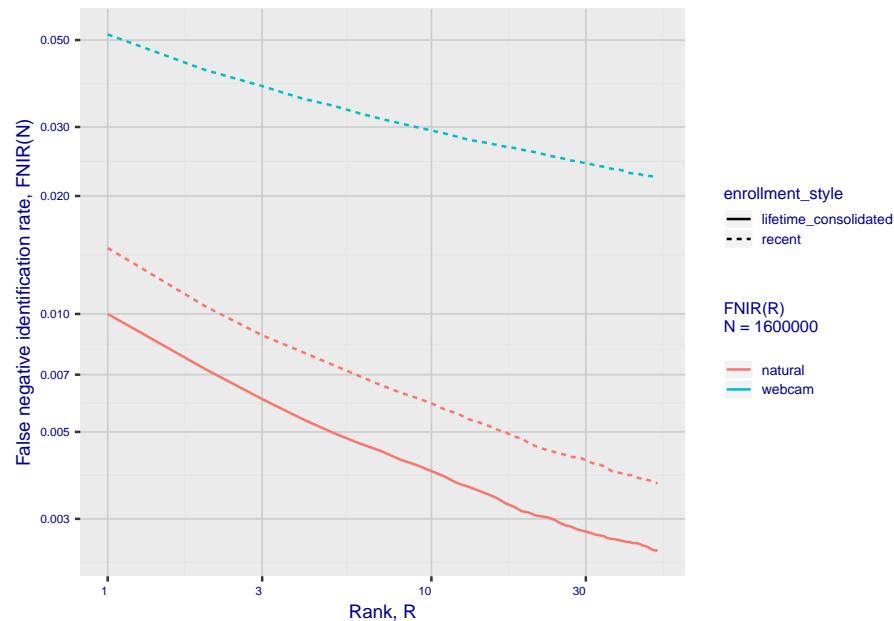
**Fig 5: Dependence on T by number enrolled identities**



**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 tevian\_3 2020-03-20 13:20:34

Fig 10: Template duration; search duration vs. N

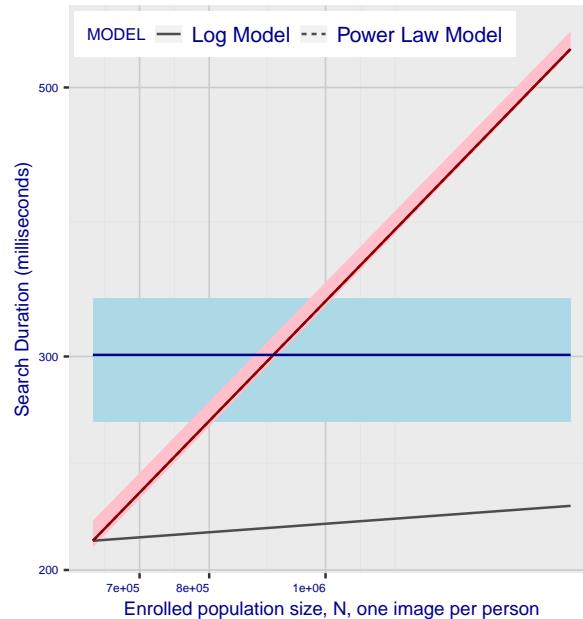
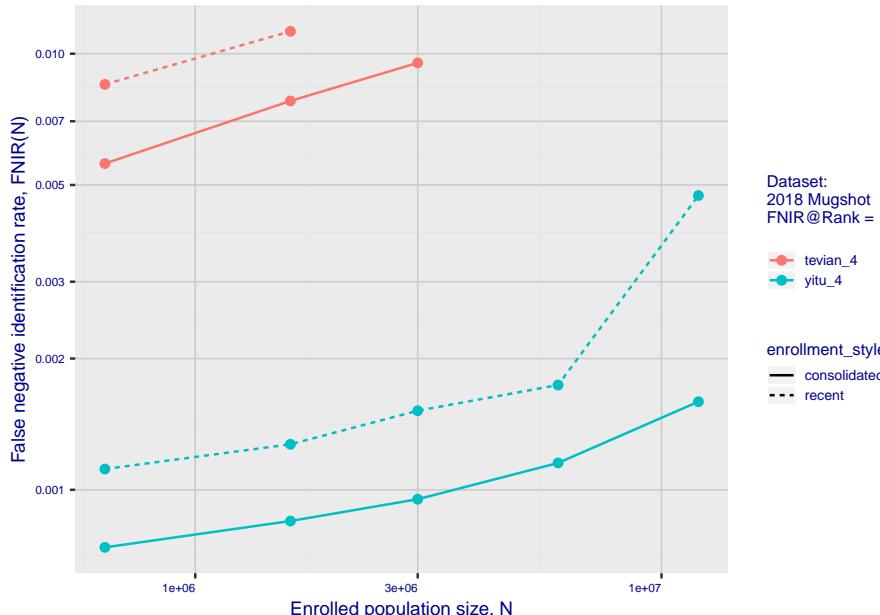


Fig 11: Datasheet

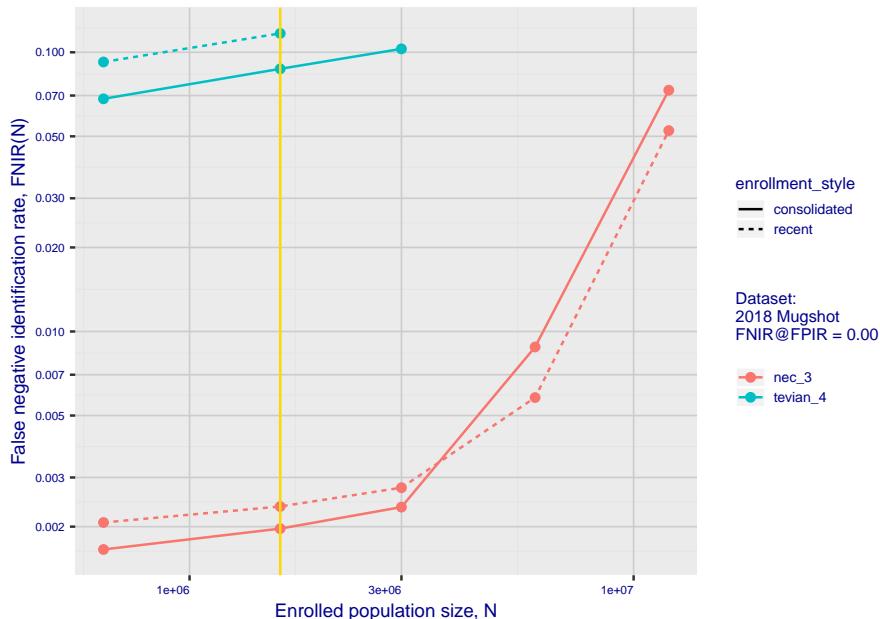
Algorithm:	tevian_3
Developer:	Tevian
Submission Date:	2018_06_20
Template size:	2048 bytes
Template time (2.5 percentile):	265 msec
Template time (median):	301 msec
Template time (97.5 percentile):	335 msec
Investigation rank 122 -- FNIR(1600000, 0, 1) = 0.0147 vs. lowest 0.0010 from sensetime_003	
Identification rank 140 -- FNIR(1600000, T, L+1) = 0.1773	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm tevian\_4 2020-03-20 13:25:42

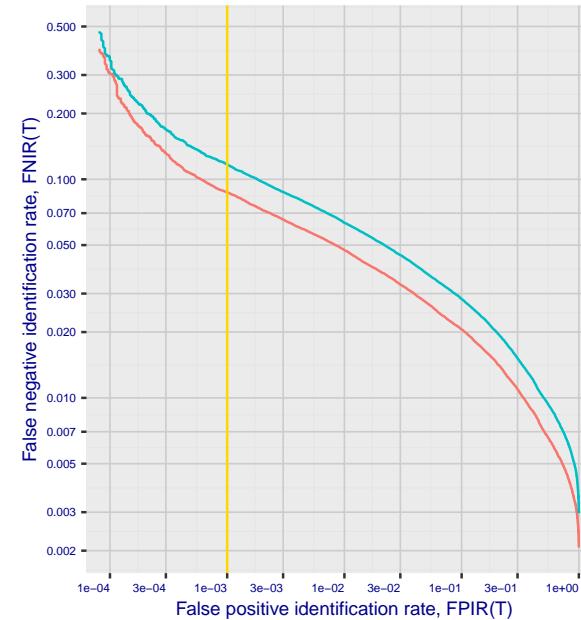
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



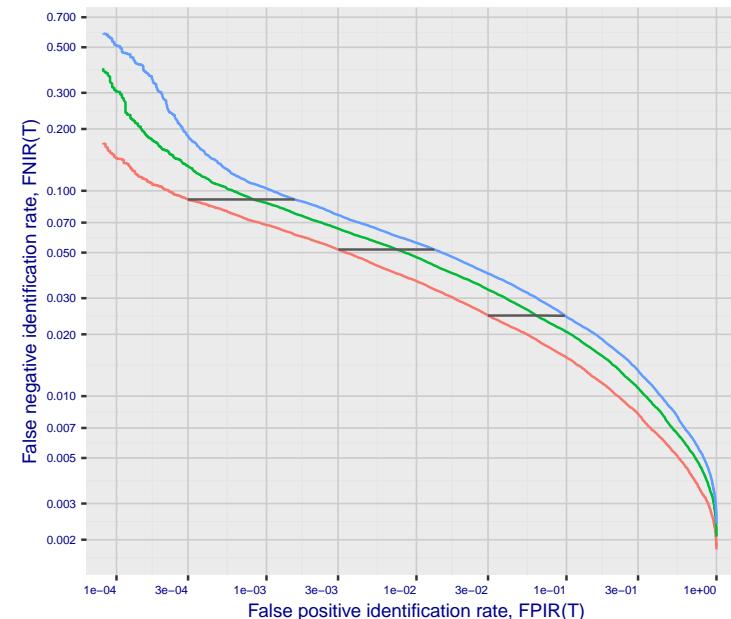
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

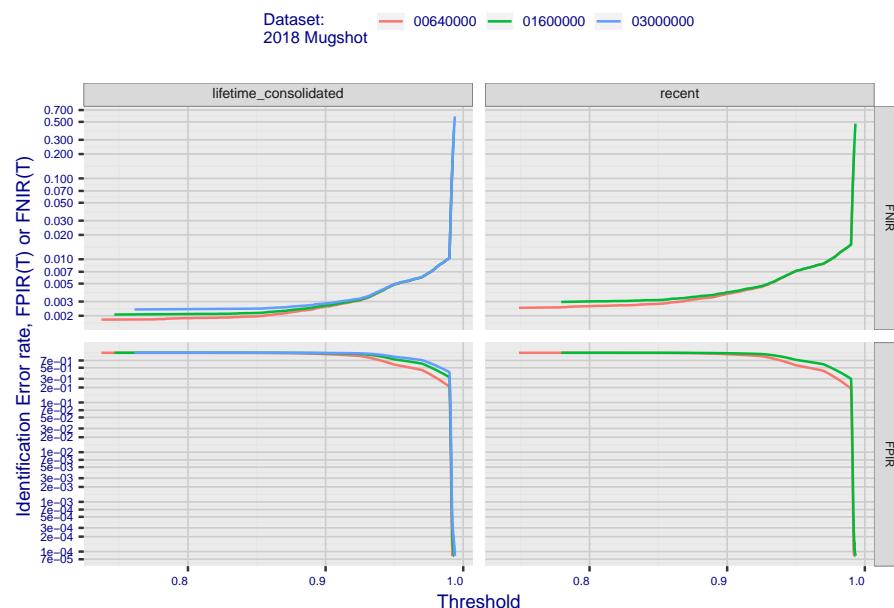


**Fig 4: DET for various N. Links connect points of equal threshold.**

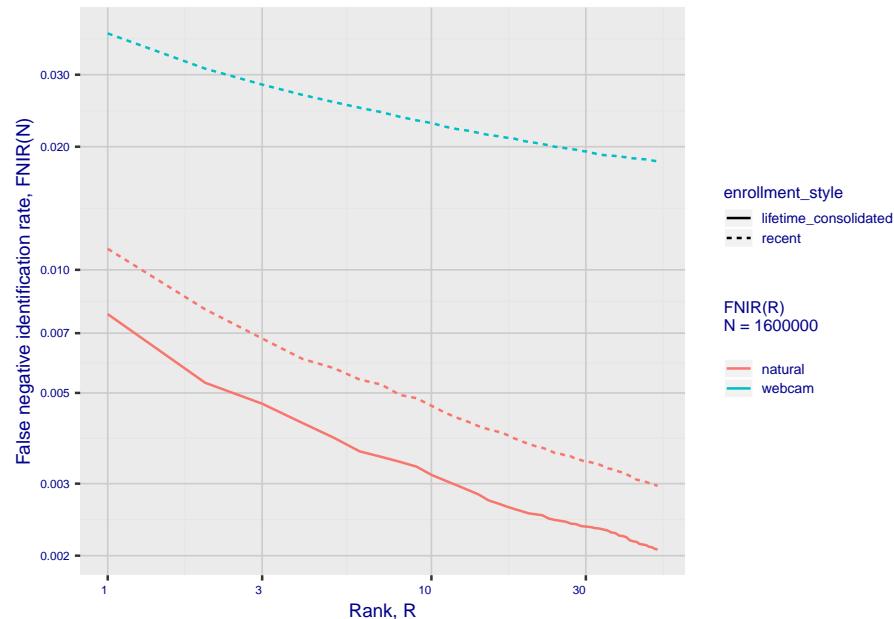


## 2. Report for algorithm tevian\_4 2020-03-20 13:25:42

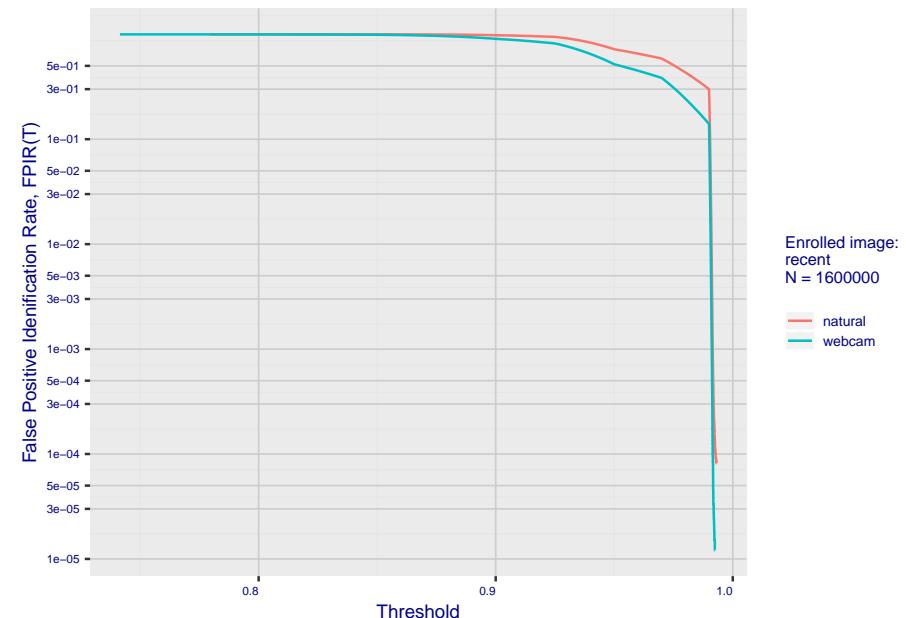
**Fig 5: Dependence on T by number enrolled identities**



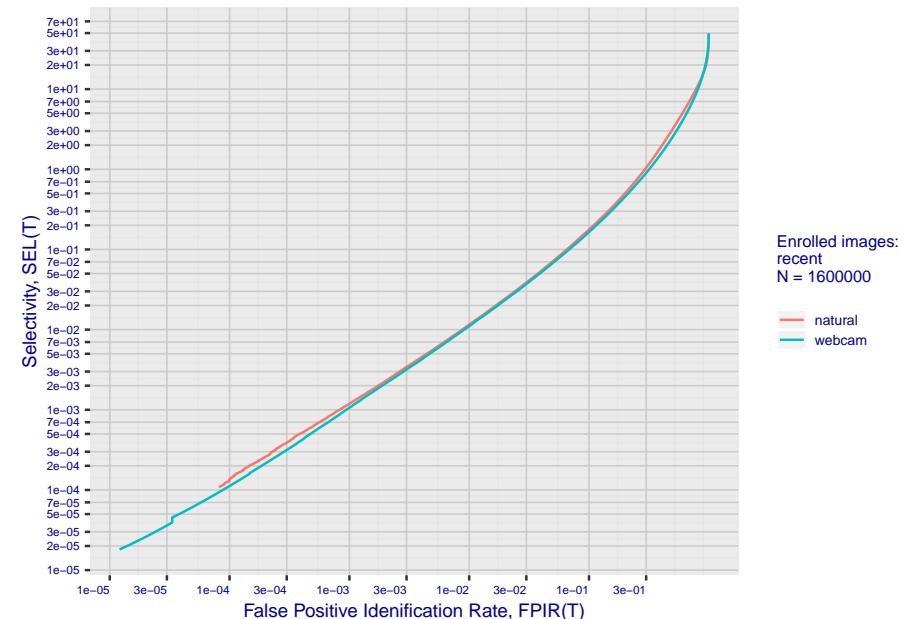
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

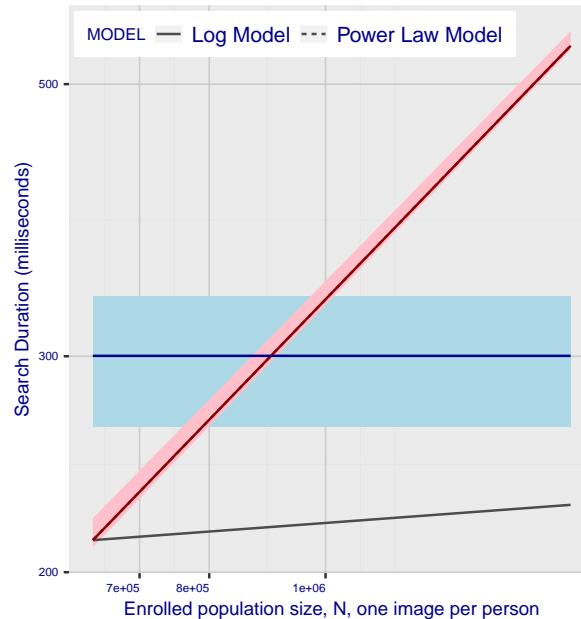


**Fig 8: FPIR vs. Selectivity**



**3. Report for algorithm tevian\_4 2020-03-20 13:25:42**

**Fig 10: Template duration; search duration vs. N**

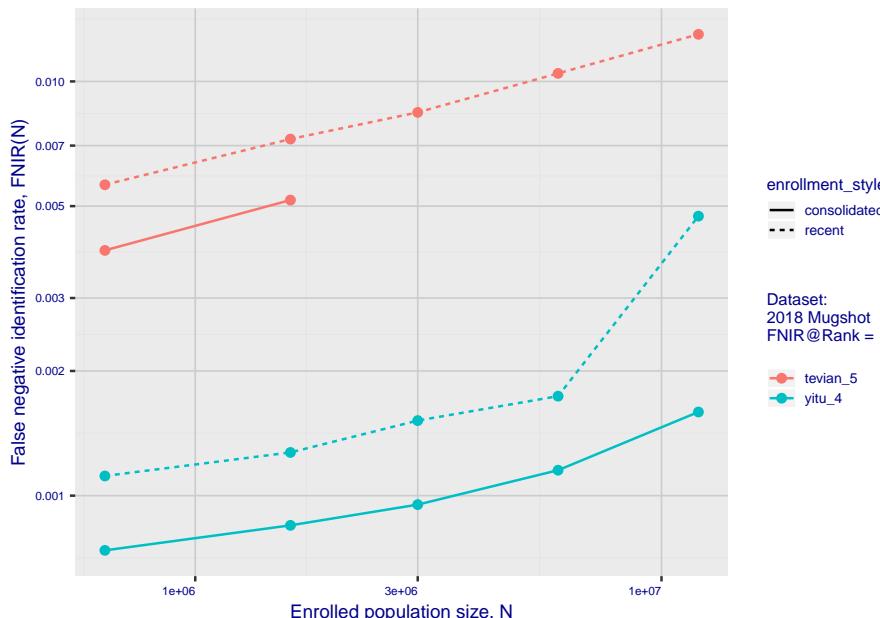


**Fig 11: Datasheet**

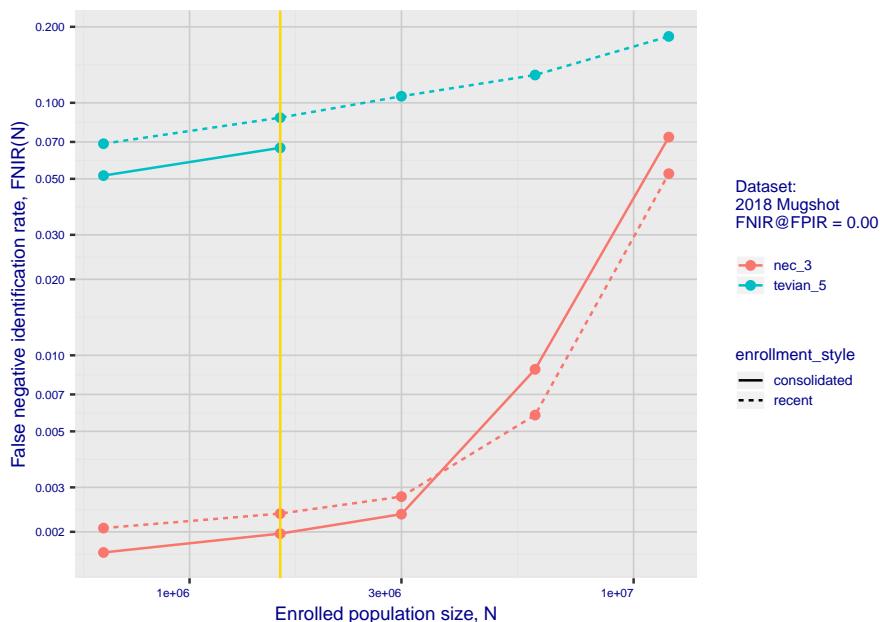
Algorithm:	tevian_4
Developer:	Tevian
Submission Date:	2018_06_20
Template size:	2048 bytes
Template time (2.5 percentile):	263 msec
Template time (median):	300 msec
Template time (97.5 percentile):	336 msec
Investigation rank 106 -- FNIR(160000, 0, 1) = 0.0113 vs. lowest 0.0010 from sen	
Identification rank 114 -- FNIR(160000, T, L+1) = 0.1169	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm tevian\_5 2020-03-20 13:20:41

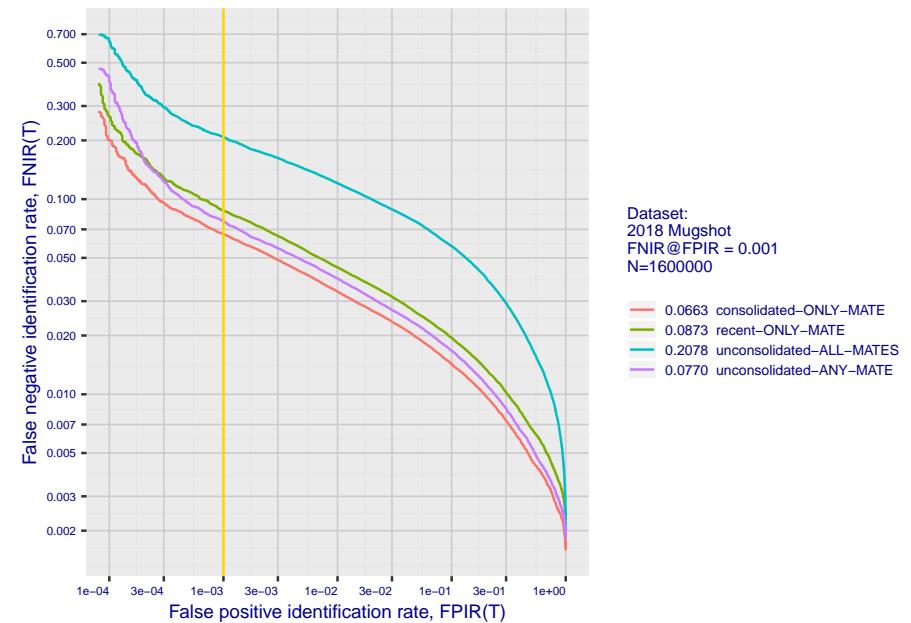
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



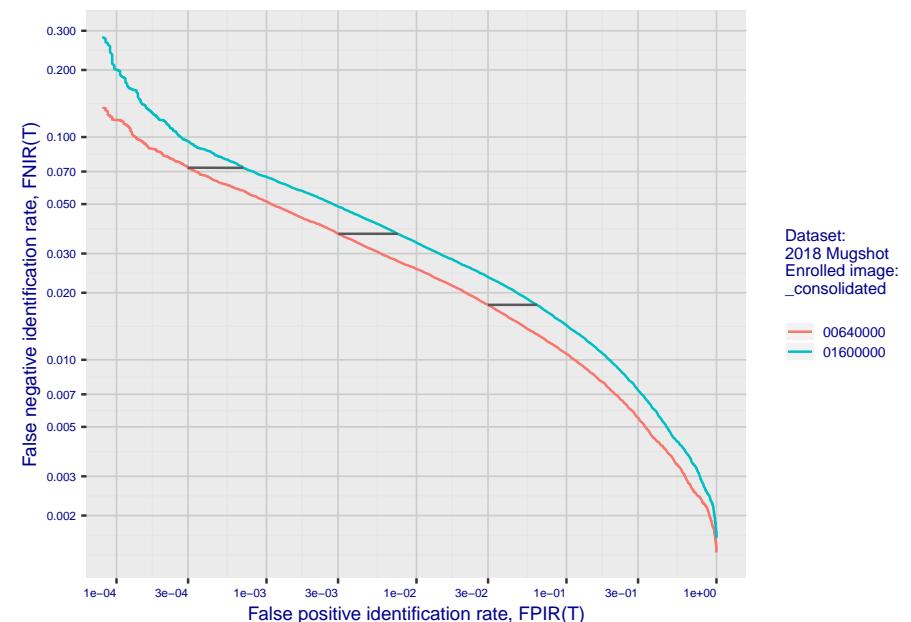
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

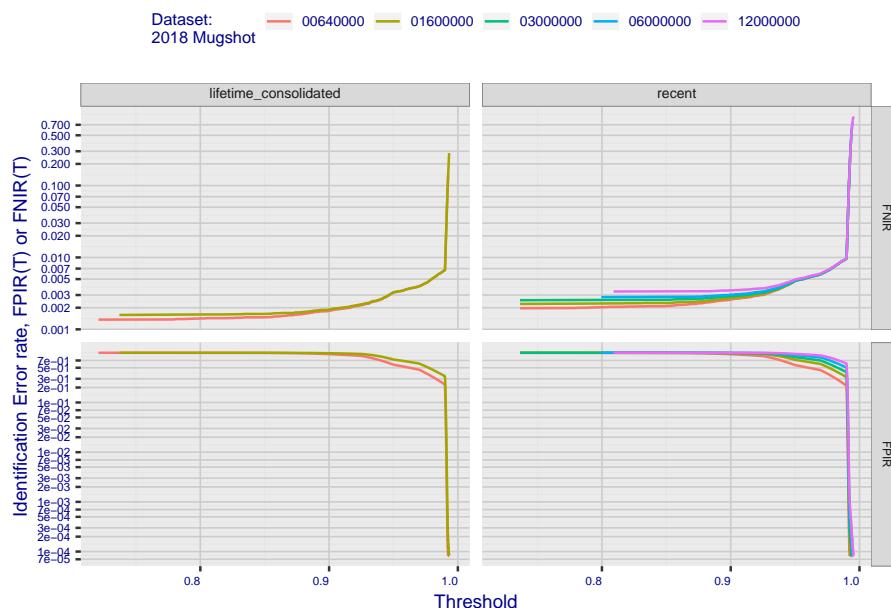


**Fig 4: DET for various N. Links connect points of equal threshold.**

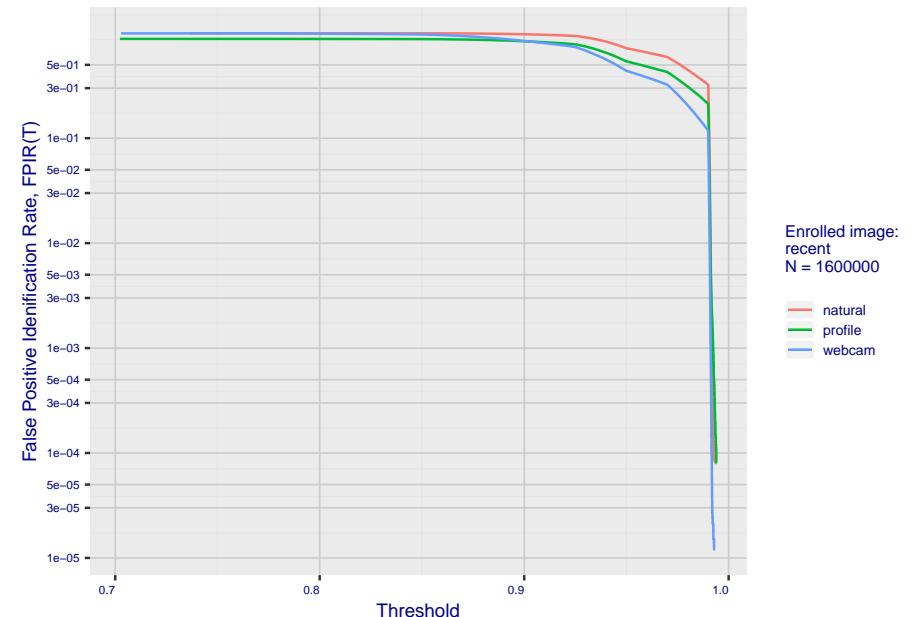


## 2. Report for algorithm tevian\_5 2020-03-20 13:20:41

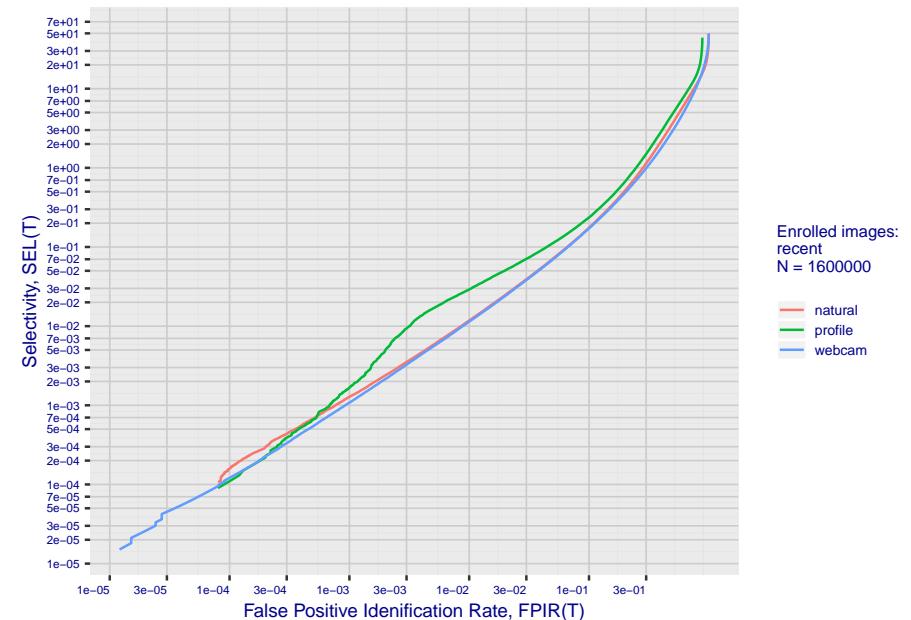
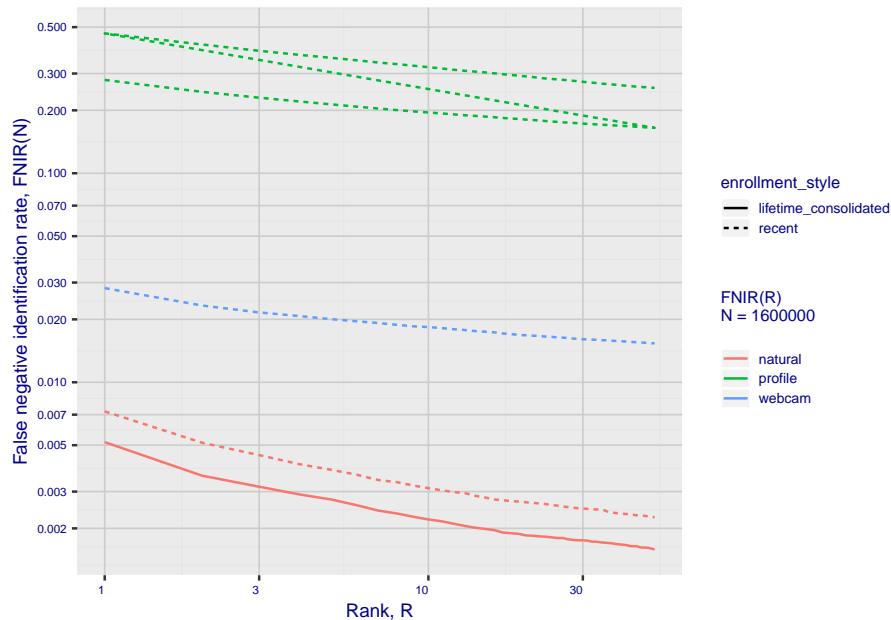
**Fig 5: Dependence on T by number enrolled identities**



**Fig 6: FPIR dependence on T by probe type**



**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



### 3. Report for algorithm tevian\_5 2020-03-20 13:20:41

Fig 10: Template duration; search duration vs. N

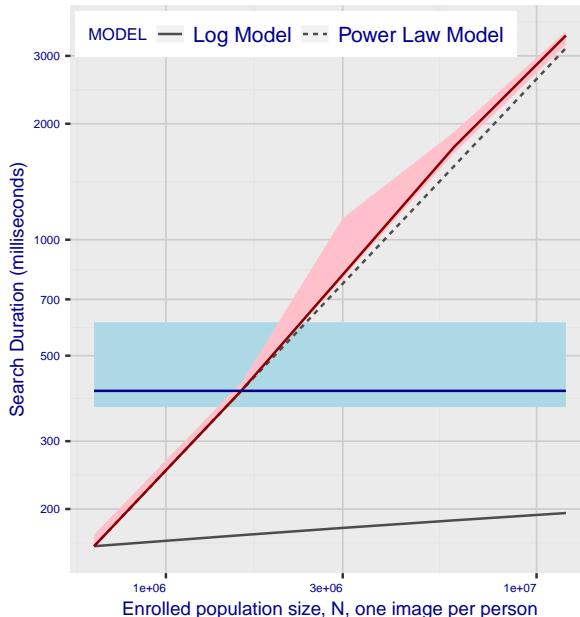
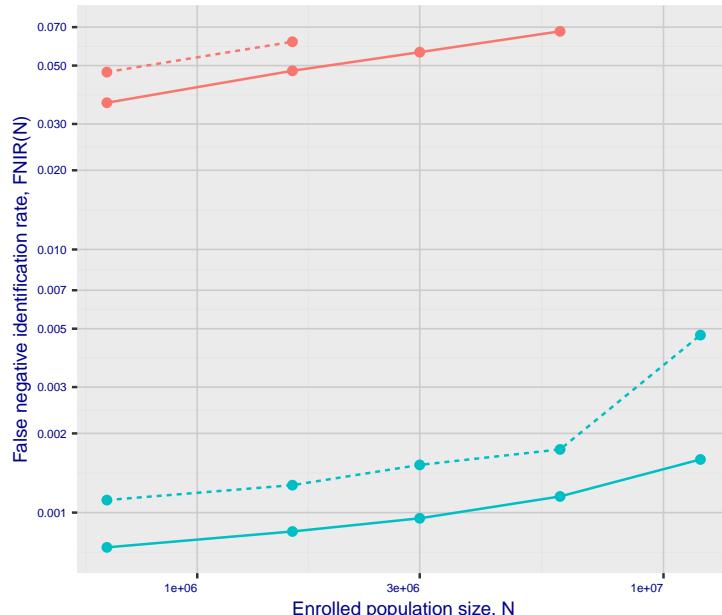


Fig 11: Datasheet

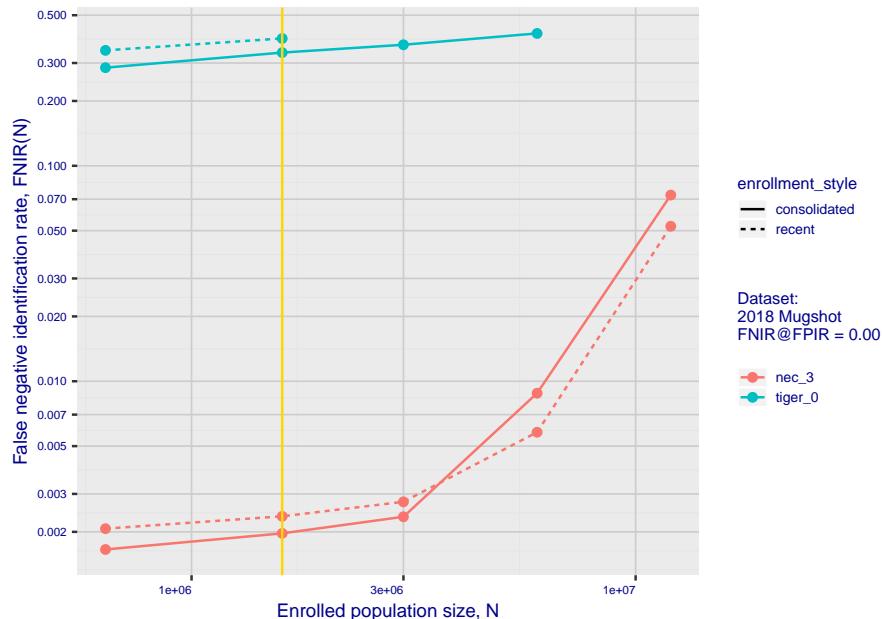
Algorithm:	tevian_5
Developer:	Tevian
Submission Date:	2018_10_30
Template size:	2048 bytes
Template time (2.5 percentile):	368 msec
Template time (median):	405 msec
Template time (97.5 percentile):	611 msec
Investigation rank 79 --- FNIR(1600000, 0, 1) =	0.0073 vs. lowest 0.0010 from sensetime_003
Identification rank 96 --- FNIR(1600000, T, L+1) =	0.0873
PPIR = 0.001 vs.	lowest 0.0018 from sensetime_003

# 1. Report for algorithm tiger\_0 2020-03-20 13:17:05

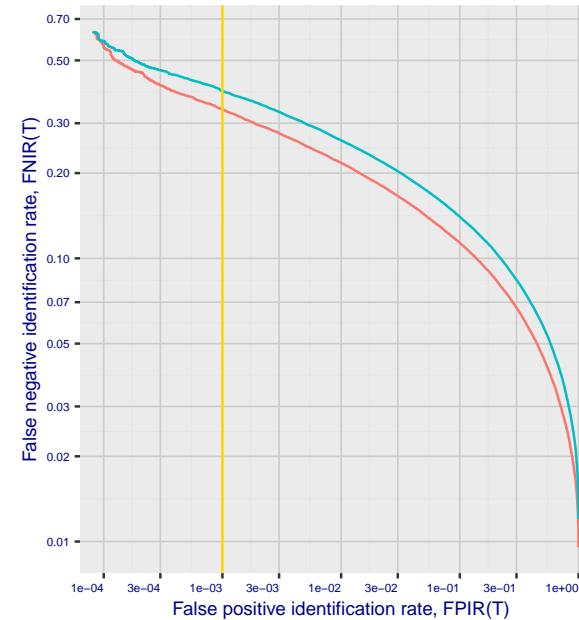
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



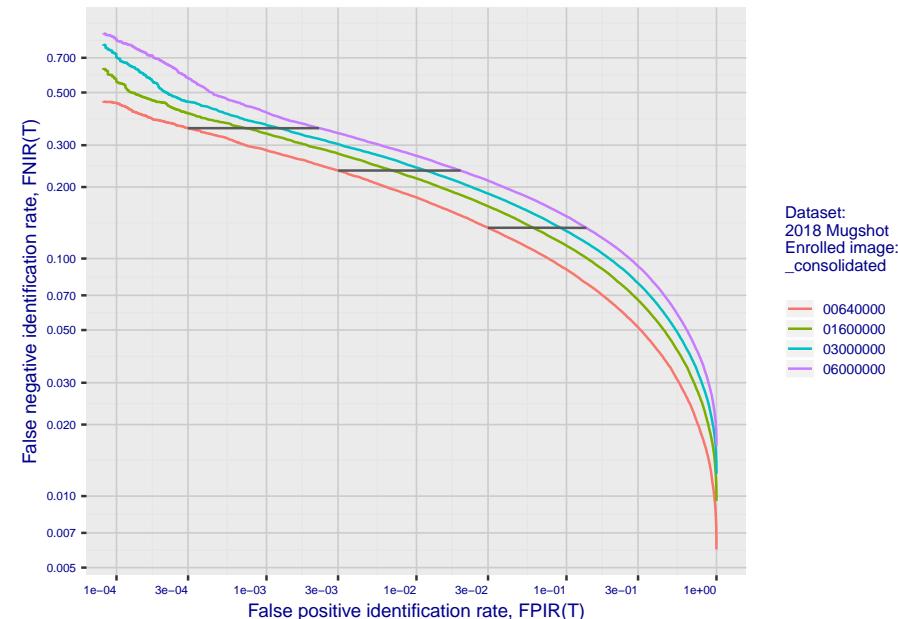
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

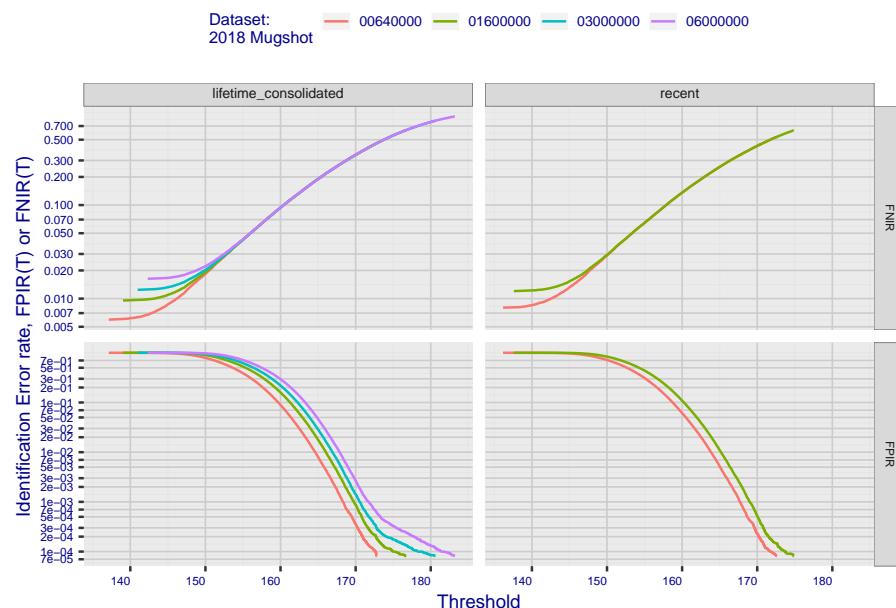


**Fig 4: DET for various N. Links connect points of equal threshold.**

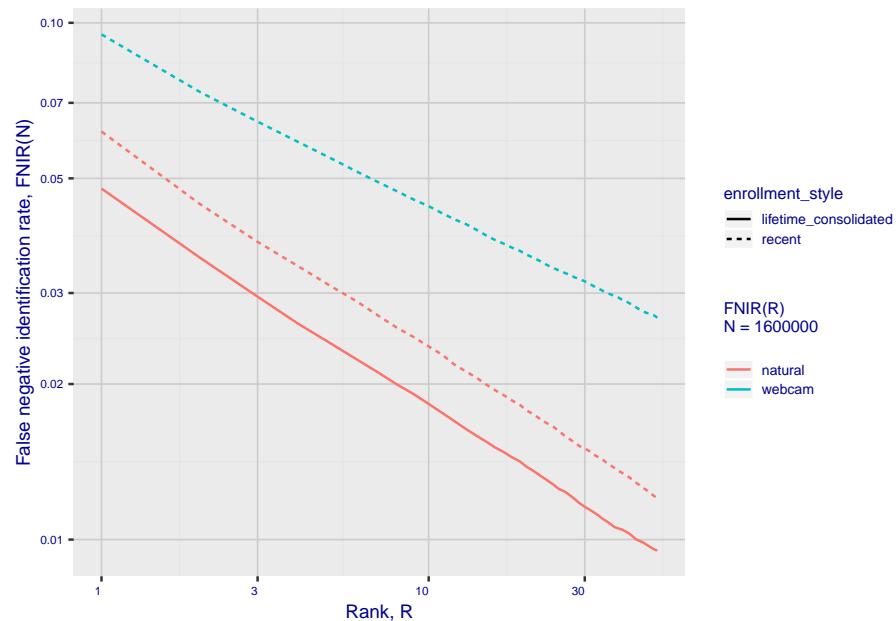


## 2. Report for algorithm tiger\_0 2020-03-20 13:17:05

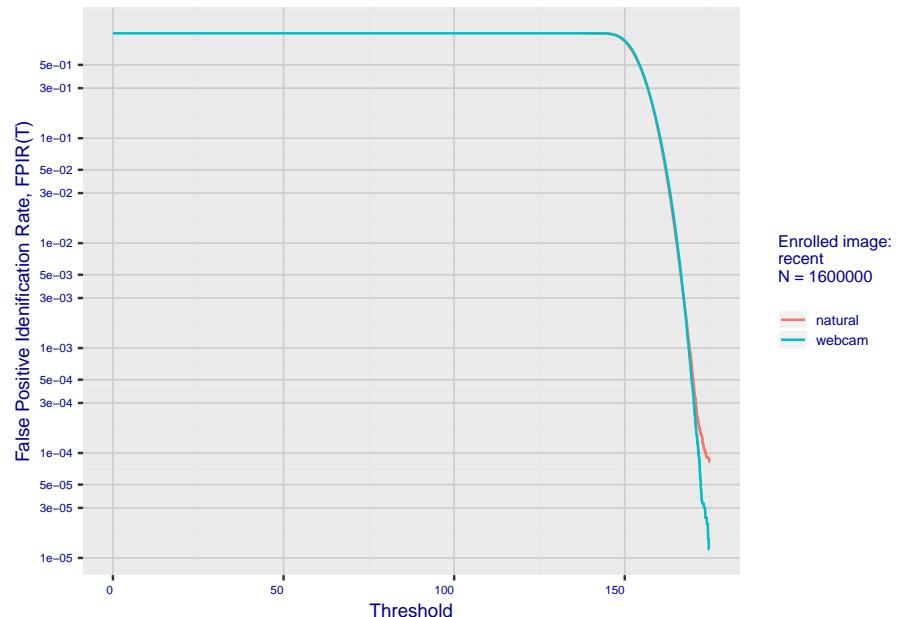
**Fig 5: Dependence on T by number enrolled identities**



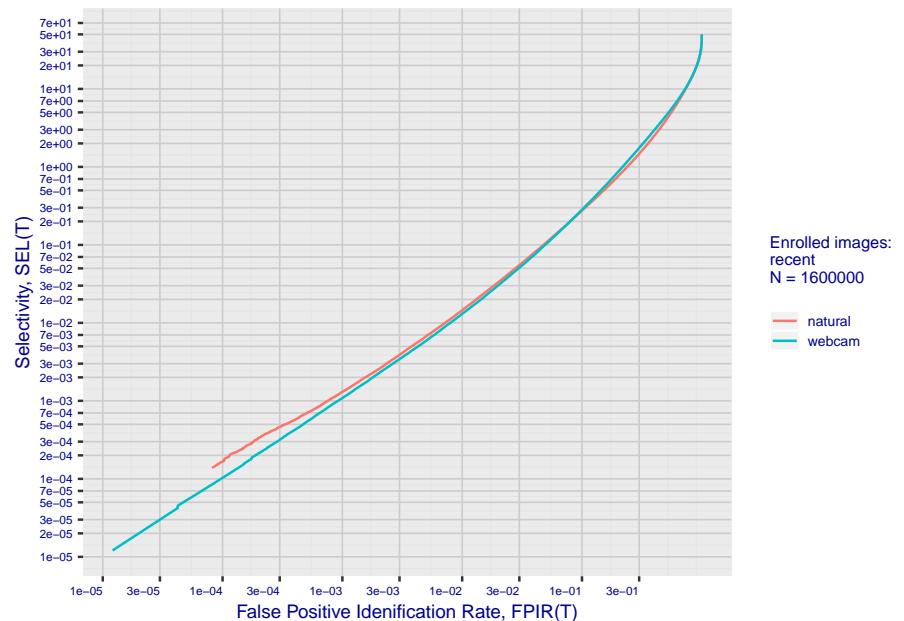
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm tiger\_0 2020-03-20 13:17:05

Fig 10: Template duration; search duration vs. N

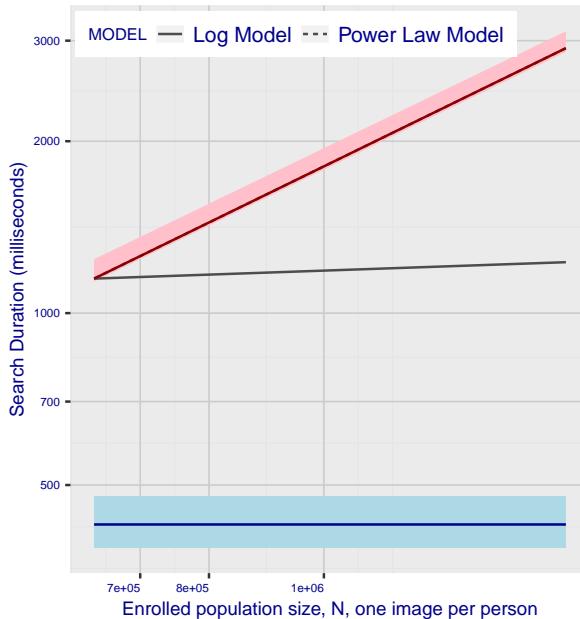
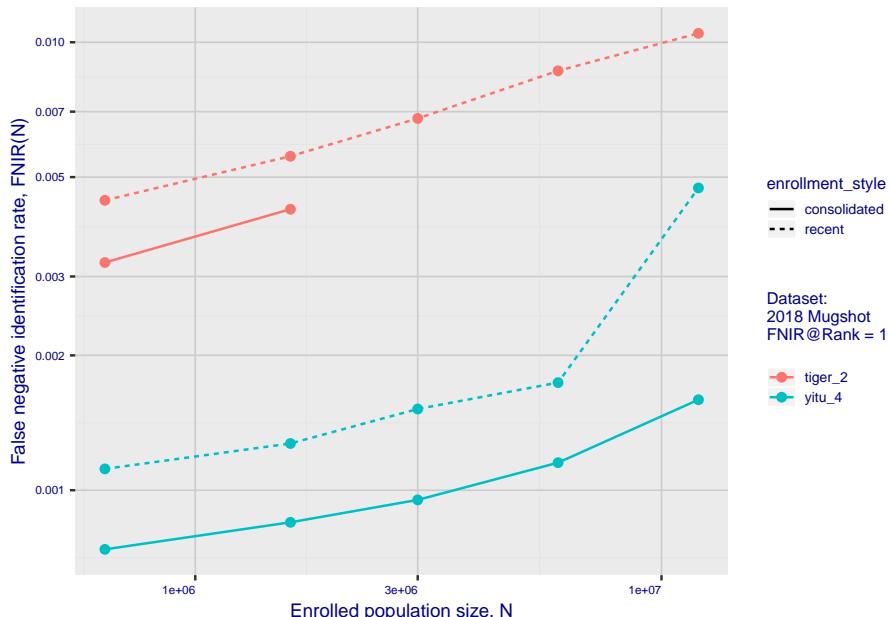


Fig 11: Datasheet

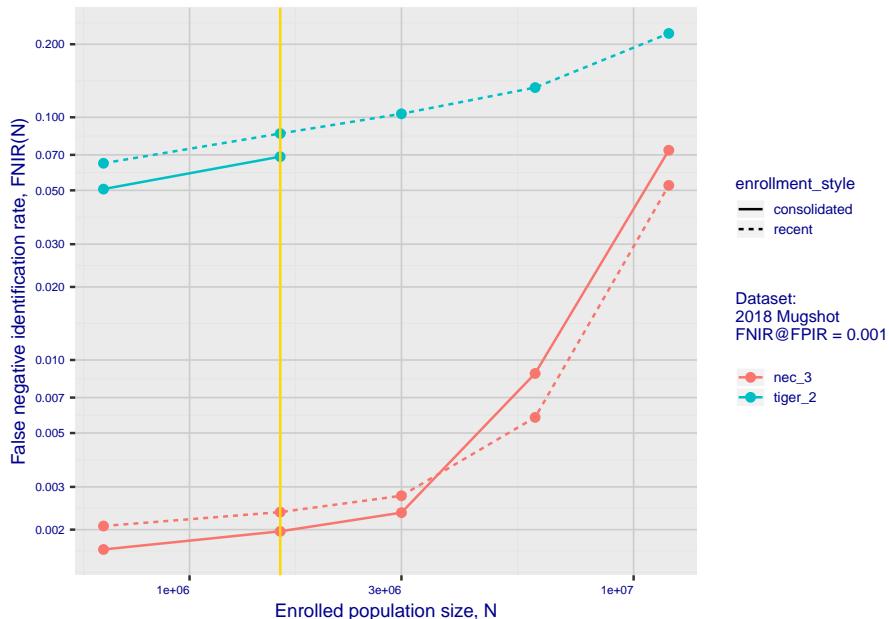
Algorithm:	tiger_0
Developer:	TigerIT Americas LLC
Submission Date:	2018_06_29
Template size:	2052 bytes
Template time (2.5 percentile):	389 msec
Template time (median):	426 msec
Template time (97.5 percentile):	478 msec
Investigation rank 180 -- FNIR(1600000, 0, 1) = 0.0616 vs. lowest 0.0010 from sensetime_003	
Identification rank 180 -- FNIR(1600000, T, L+1) = 0.3901	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

## 1. Report for algorithm tiger\_2 2020-03-20 13:24:12

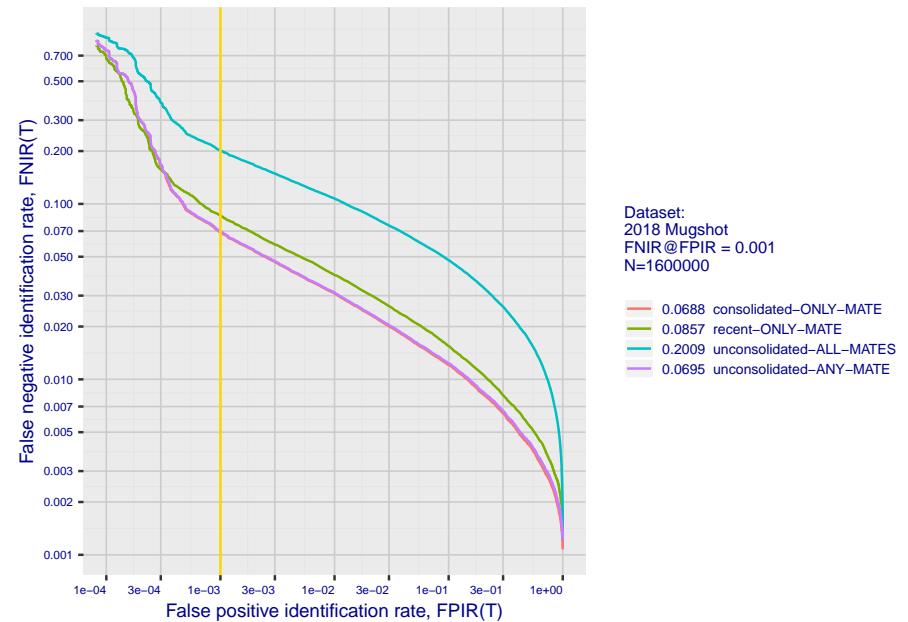
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



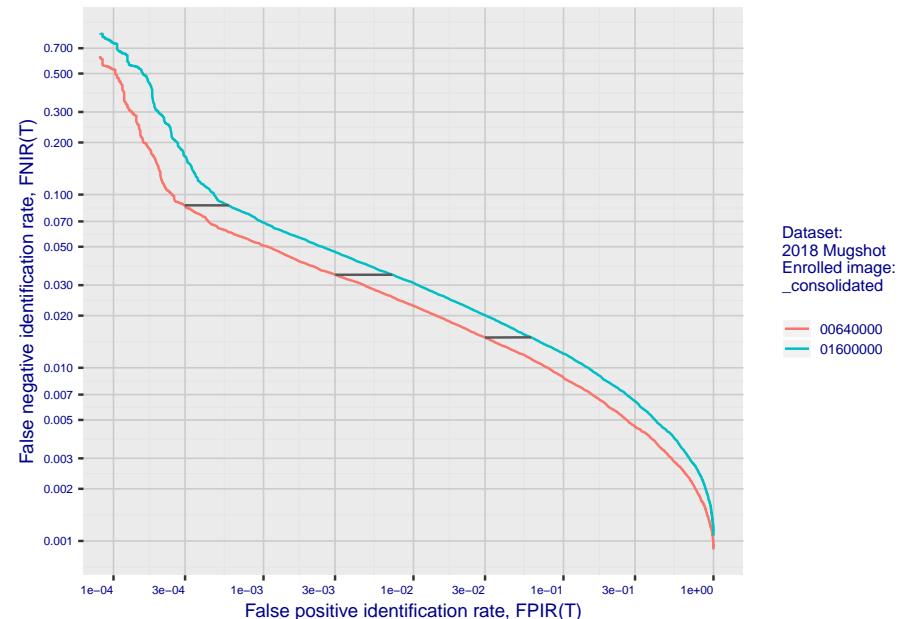
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

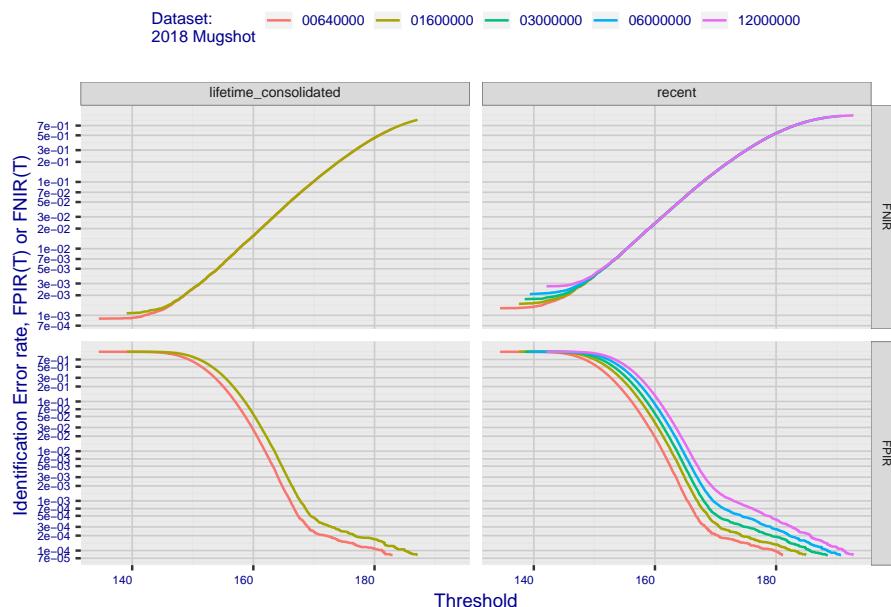


**Fig 4: DET for various N. Links connect points of equal threshold.**

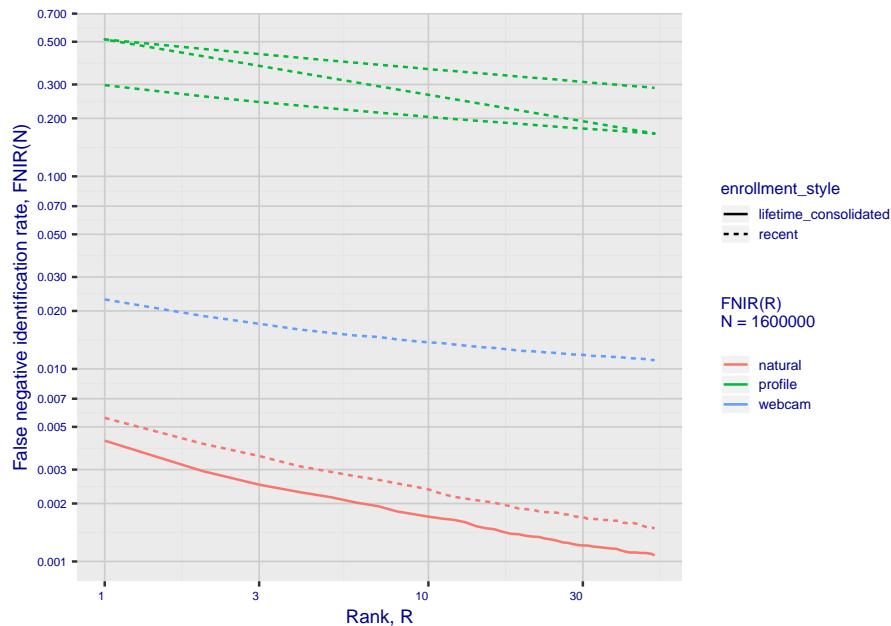


## 2. Report for algorithm tiger\_2 2020-03-20 13:24:12

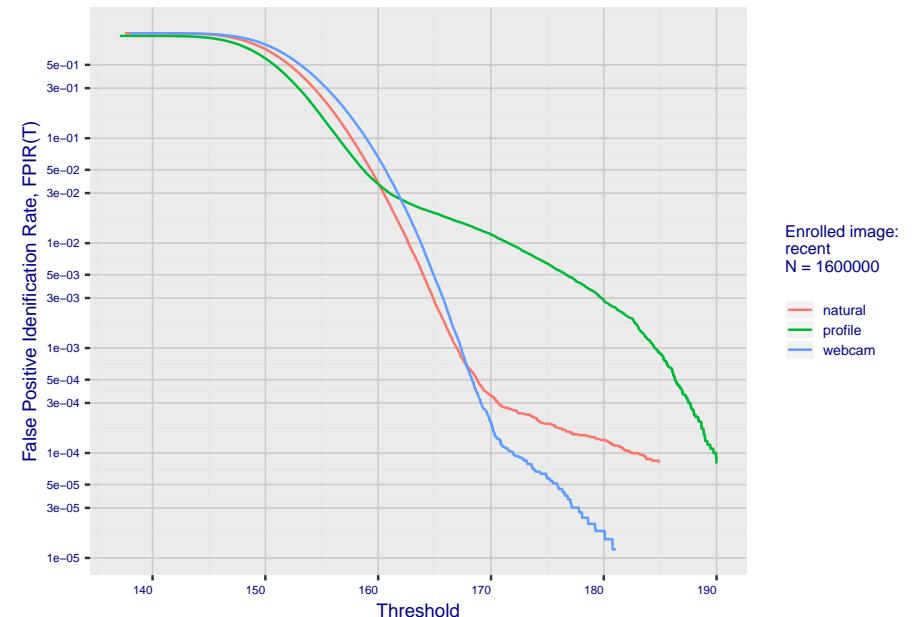
**Fig 5: Dependence on T by number enrolled identities**



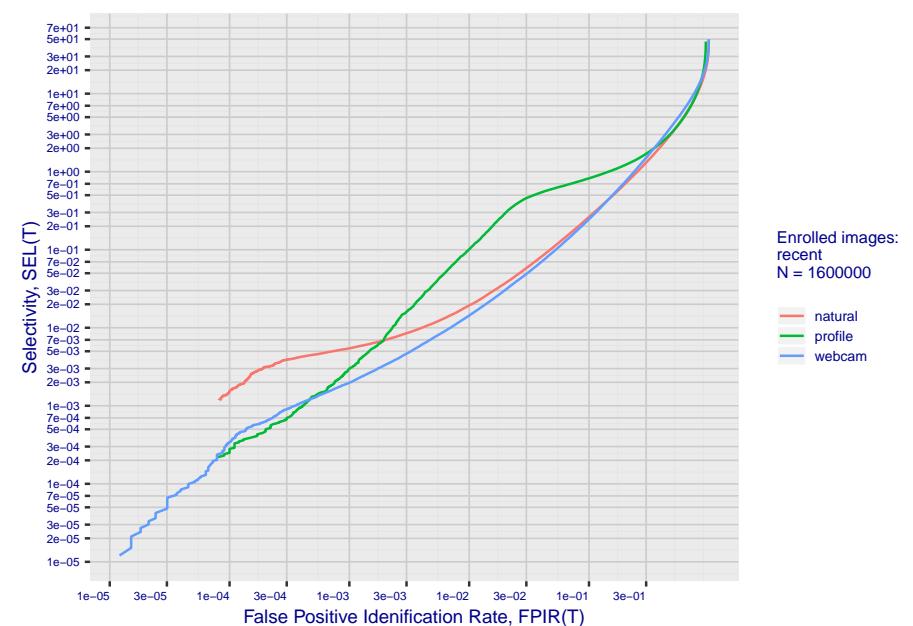
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm tiger\_2 2020-03-20 13:24:12

Fig 9: Solo-Twin and Twin-Twin similarity scores

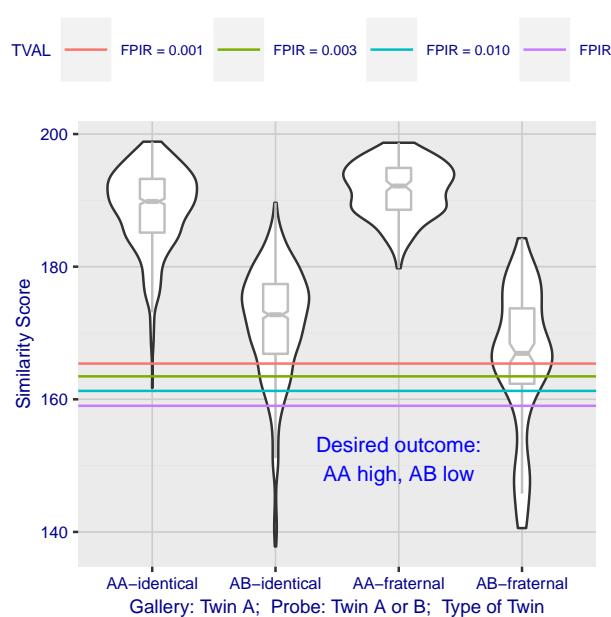


Fig 10: Template duration; search duration vs. N

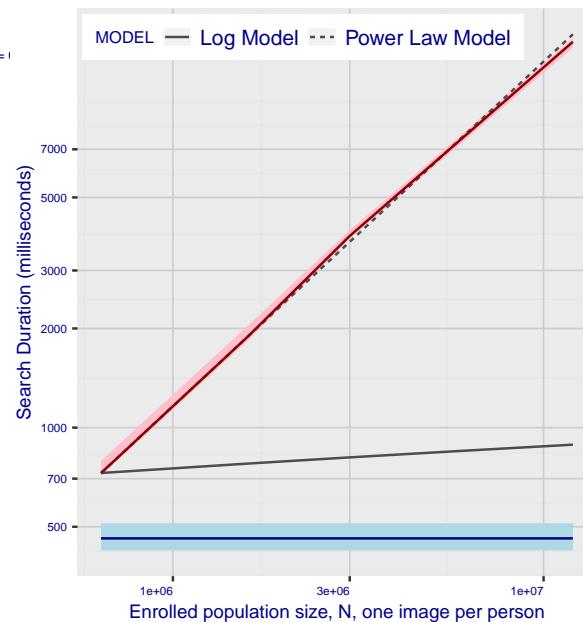
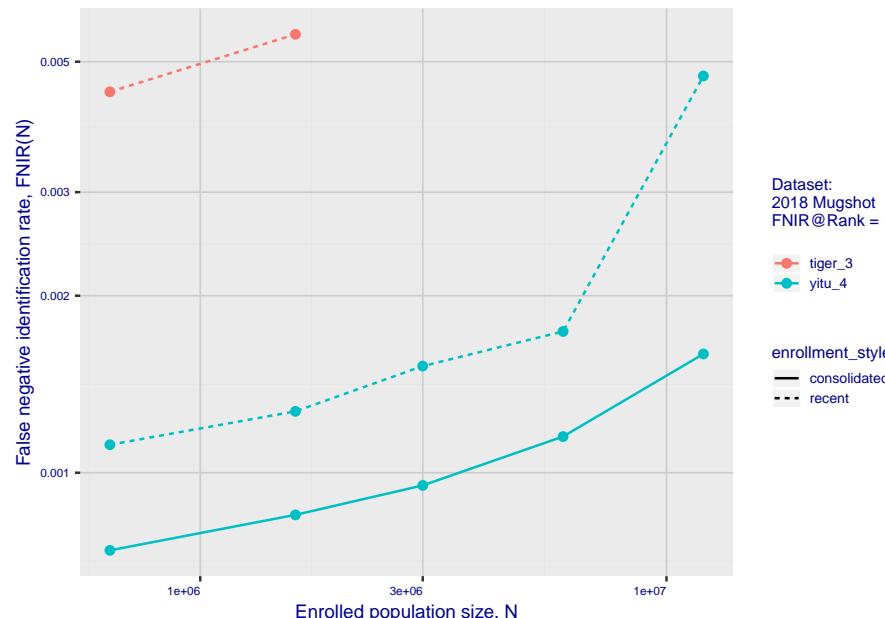


Fig 11: Datasheet

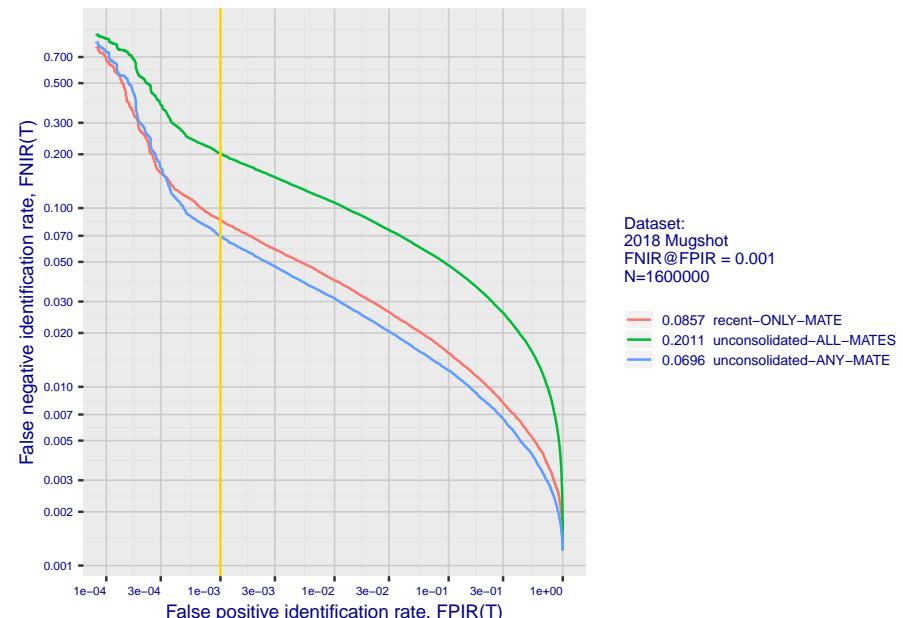
Algorithm:	tiger_2
Developer:	TigerIT Americas LLC
Submission Date:	2018_10_29
Template size:	2052 bytes
Template time (2.5 percentile):	424 msec
Template time (median):	461 msec
Template time (97.5 percentile):	513 msec
Investigation rank 64 --- FNIR(1600000, 0, 1) = 0.0056 vs. lowest 0.0010 from sensetime_003	
Identification rank 93 --- FNIR(1600000, T, L+1) = 0.0857	
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm tiger\_3 2020-03-20 13:23:46

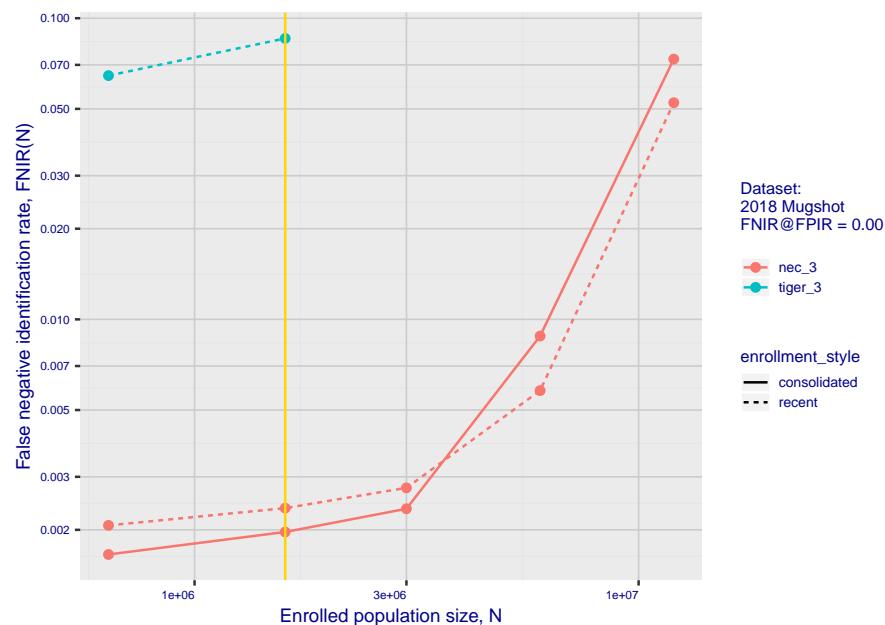
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



**Fig 2: DETs by enrollment type**

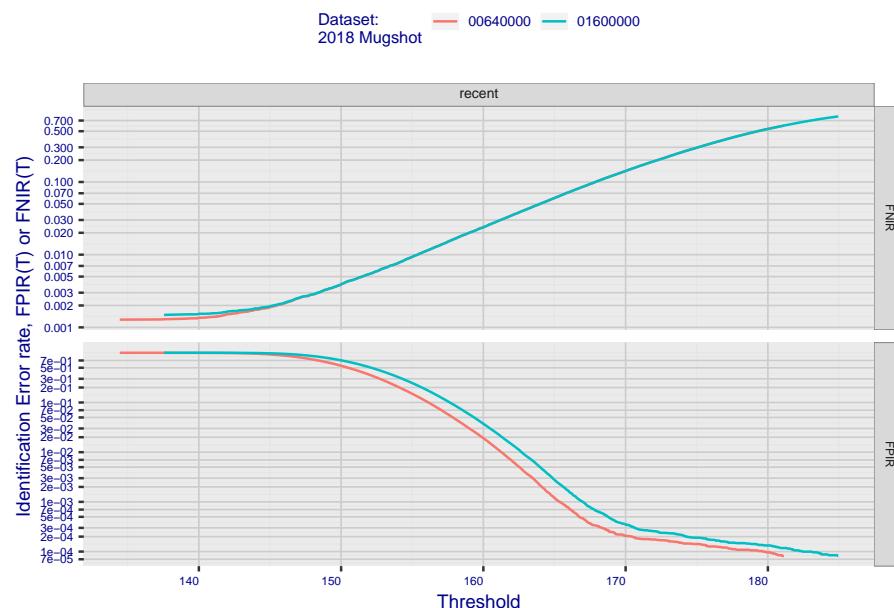


**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

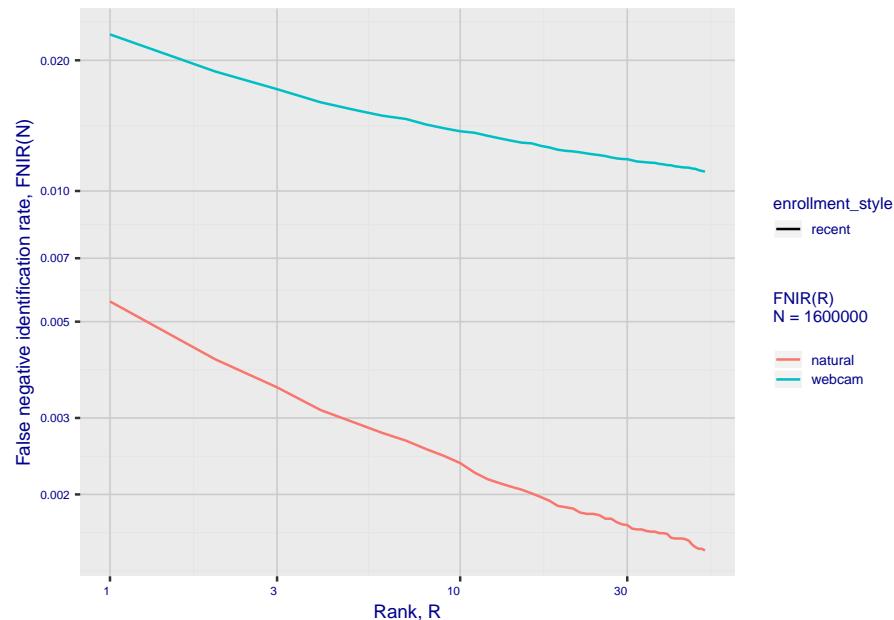


## 2. Report for algorithm tiger\_3 2020-03-20 13:23:46

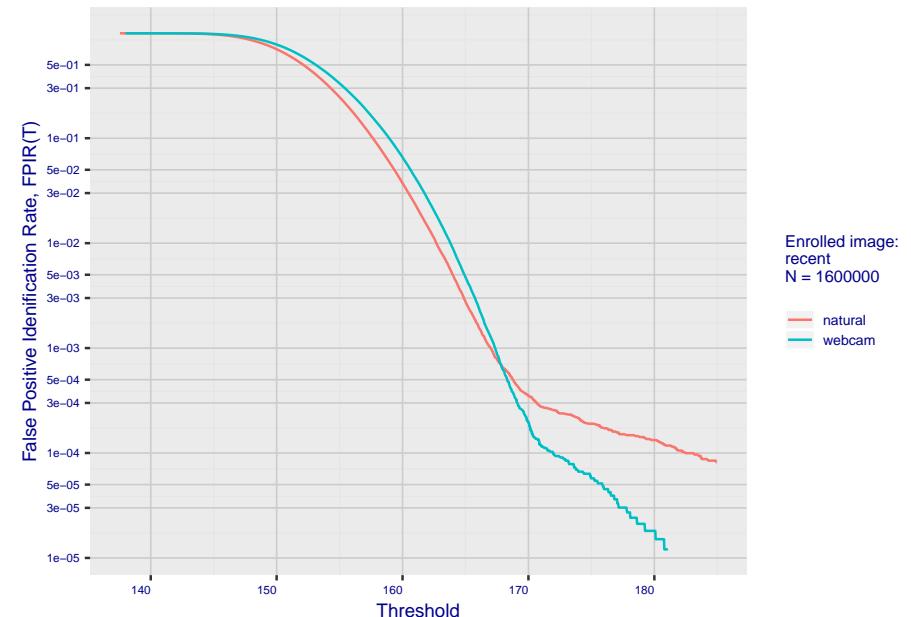
**Fig 5: Dependence on T by number enrolled identities**



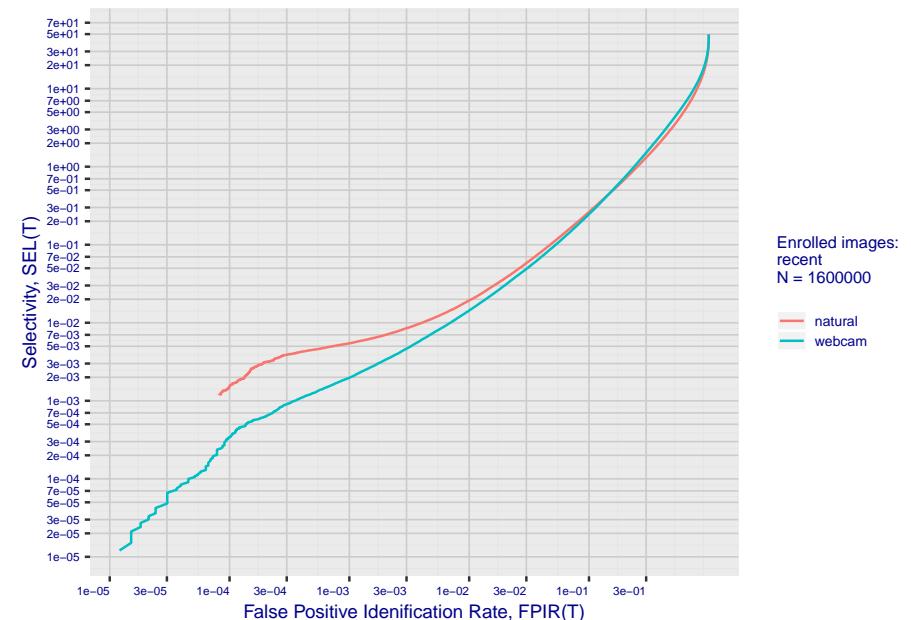
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm tiger\_3 2020-03-20 13:23:46

Fig 10: Template duration; search duration vs. N

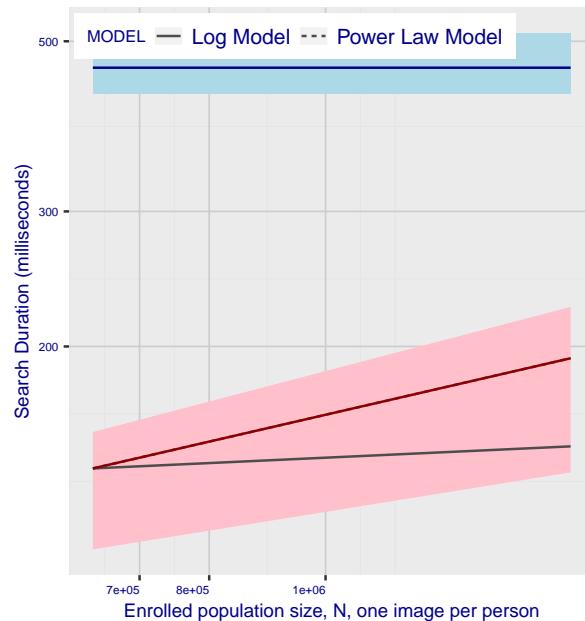
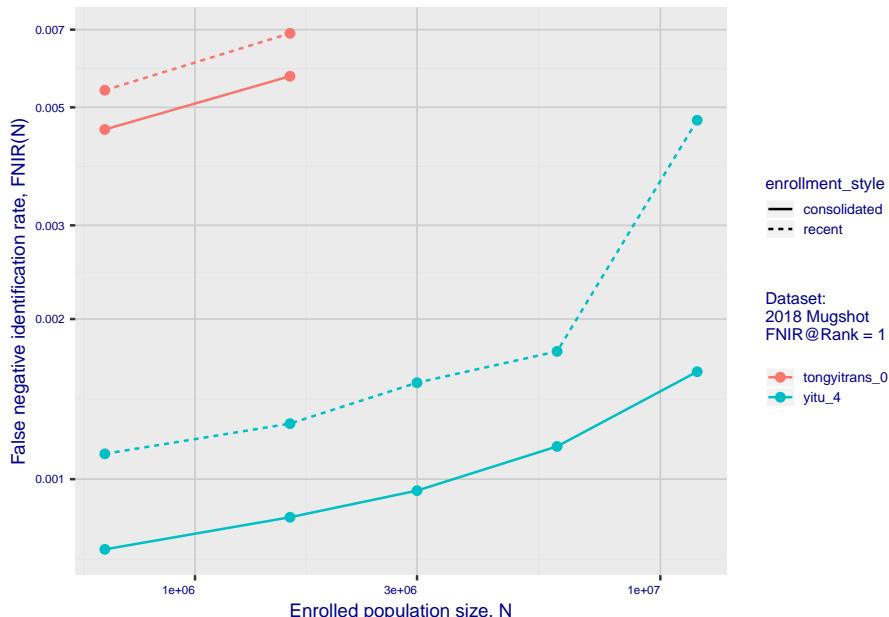


Fig 11: Datasheet

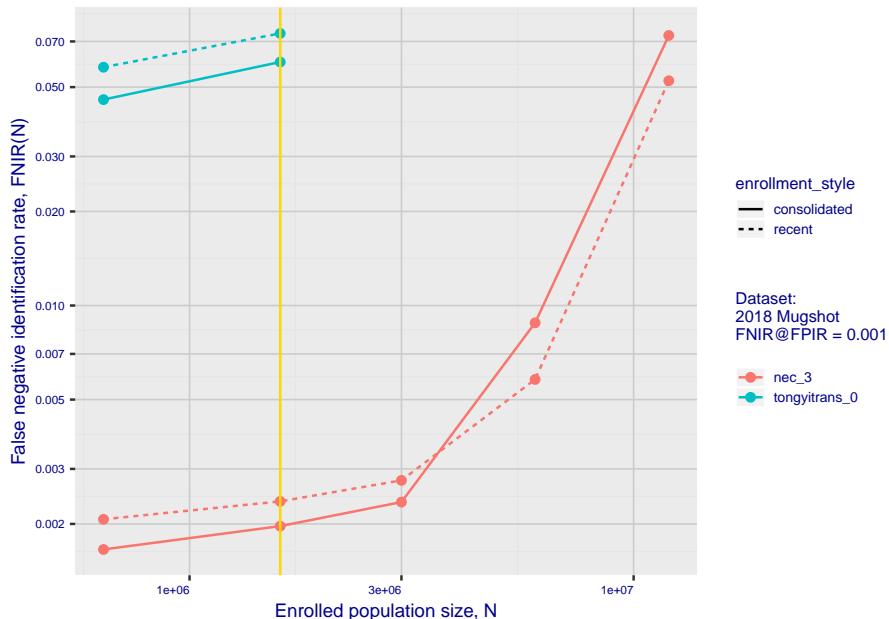
Algorithm: tiger_3
Developer: TigerIT Americas LLC
Submission Date: 2018_10_30
Template size: 2052 bytes
Template time (2.5 percentile): 427 msec
Template time (median): 462 msec
Template time (97.5 percentile): 512 msec
Investigation rank 64 -- FNIR(1600000, 0, 1) = 0.0056 vs. lowest 0.0010 from sensetime_003
Identification rank 92 -- FNIR(1600000, T, L+1) = 0.0857
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

## 1. Report for algorithm tongyitrans\_0 2020-03-20 13:23:56

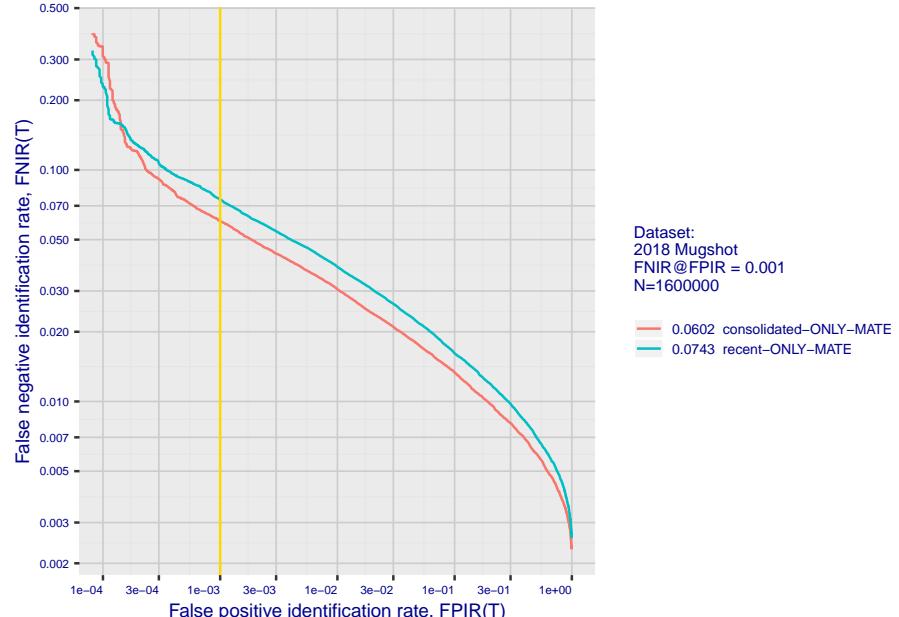
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



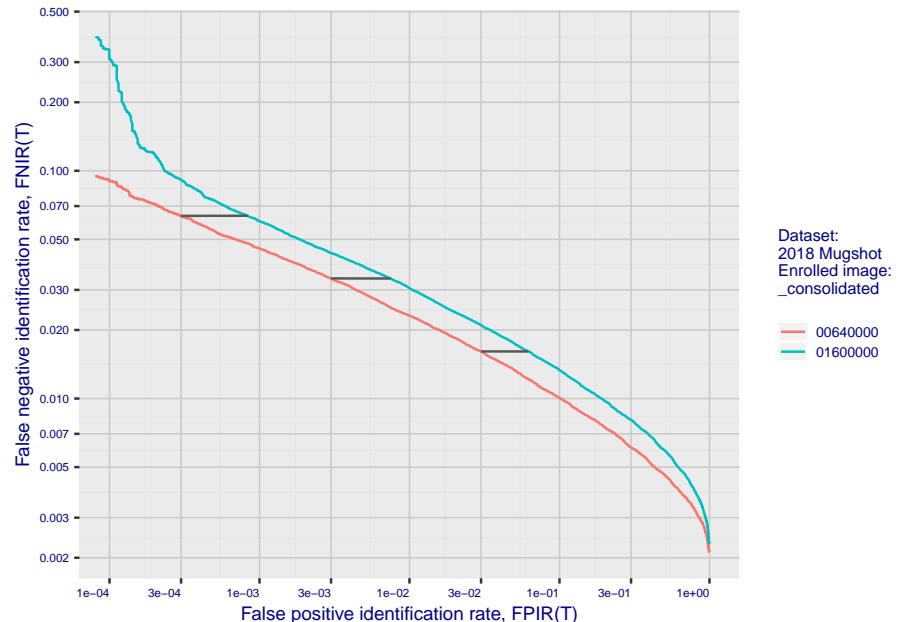
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

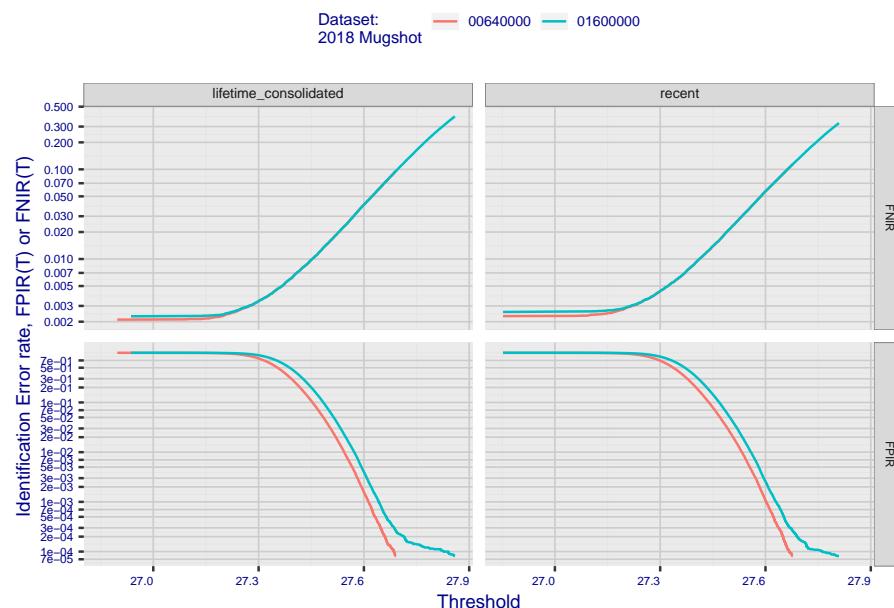


**Fig 4: DET for various N. Links connect points of equal threshold.**

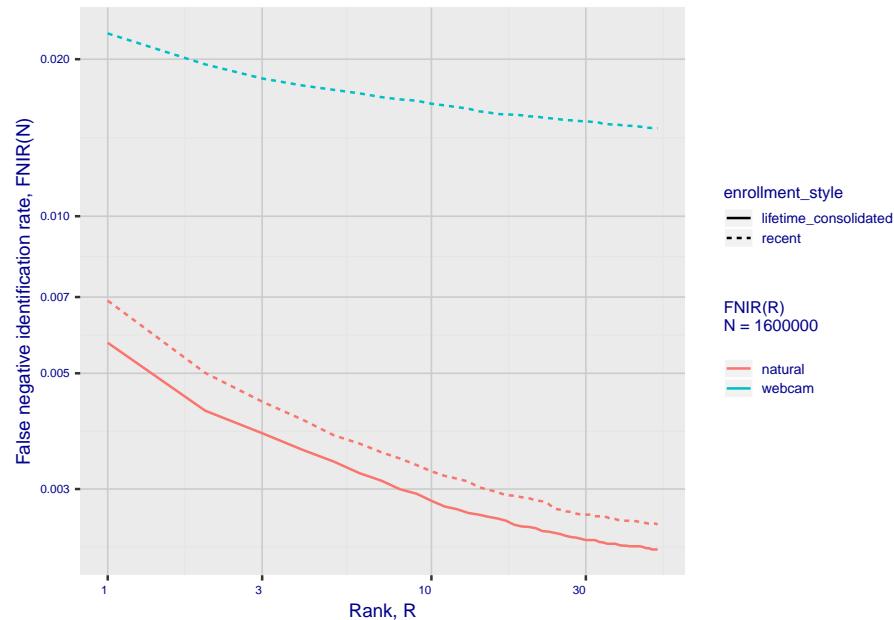


## 2. Report for algorithm tongyitrans\_0 2020-03-20 13:23:56

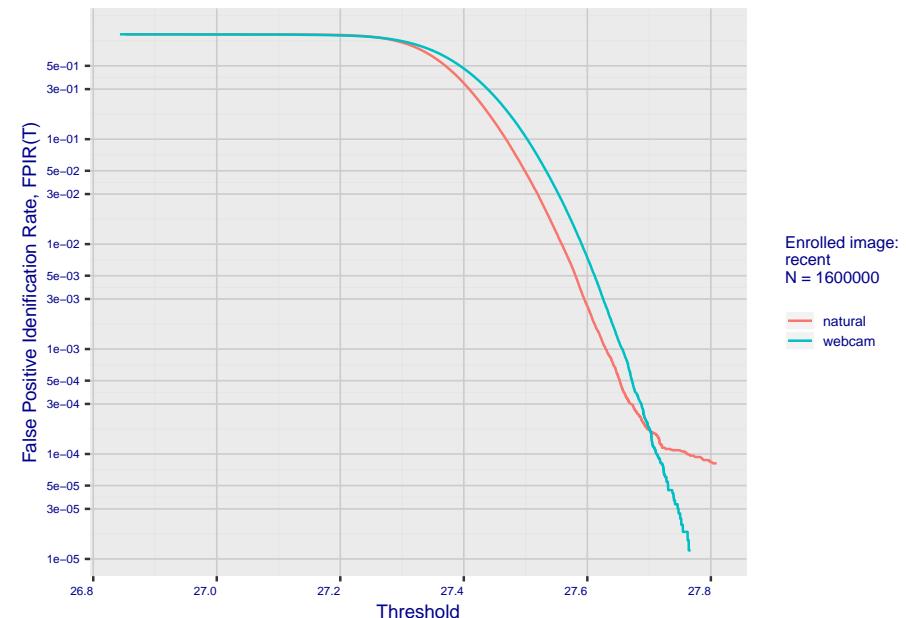
**Fig 5: Dependence on T by number enrolled identities**



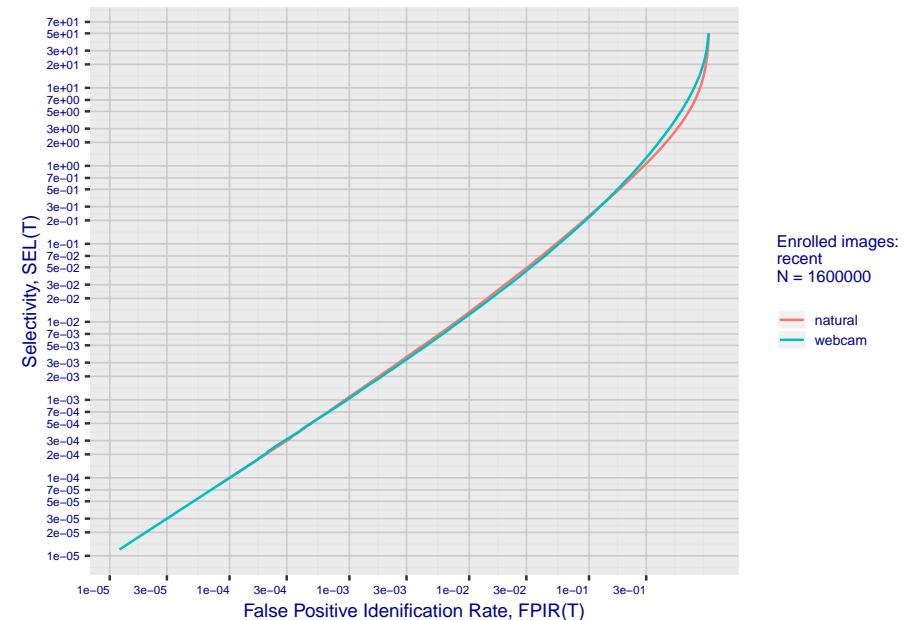
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm tongyitrans\_0 2020-03-20 13:23:56

Fig 10: Template duration; search duration vs. N

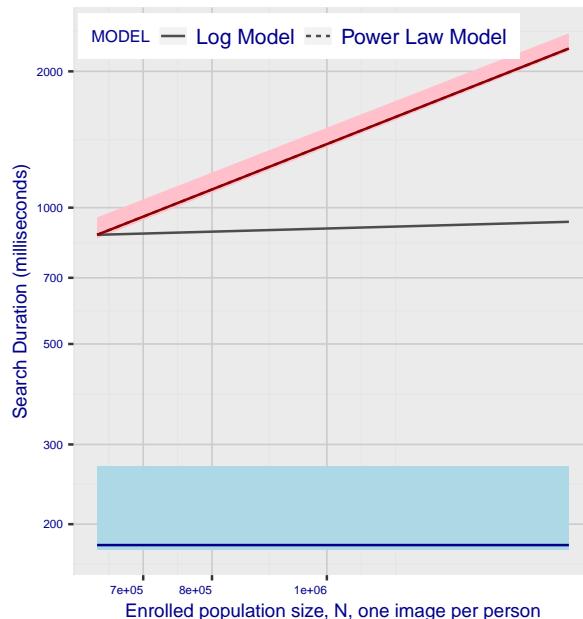
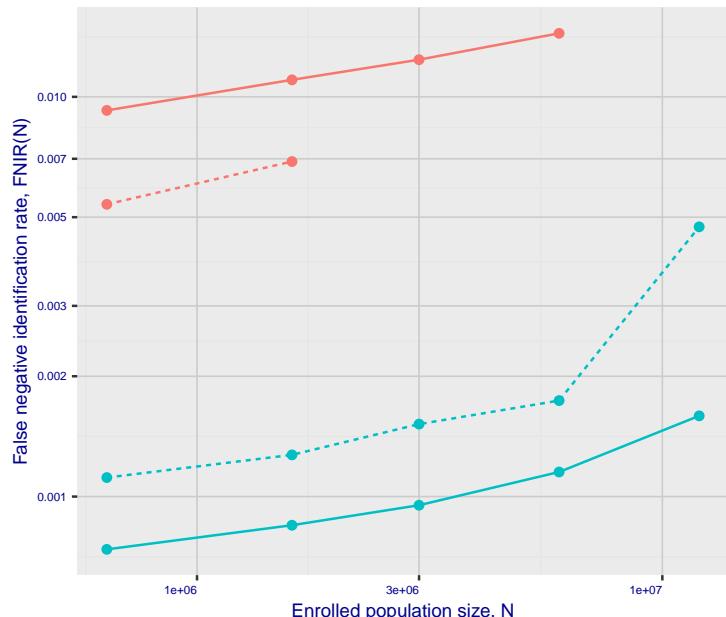


Fig 11: Datasheet

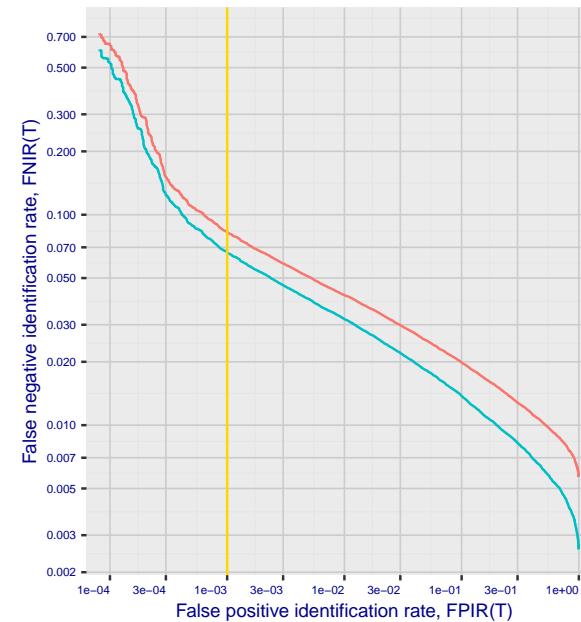
Algorithm:	tongyitrans_0
Developer:	TongYi Transportation Technology
Submission Date:	2018_06_29
Template size:	2070 bytes
Template time (2.5 percentile):	176 msec
Template time (median):	180 msec
Template time (97.5 percentile):	269 msec
Investigation rank 76 --- FNIR(1600000, 0, 1) =	0.0069 vs. lowest 0.0010 from sensetime_003
Identification rank 87 --- FNIR(1600000, T, L+1) =	0.0743
PPIR = 0.001 vs.	lowest 0.0018 from sensetime_003

# 1. Report for algorithm tongyitrans\_1 2020-03-20 13:20:43

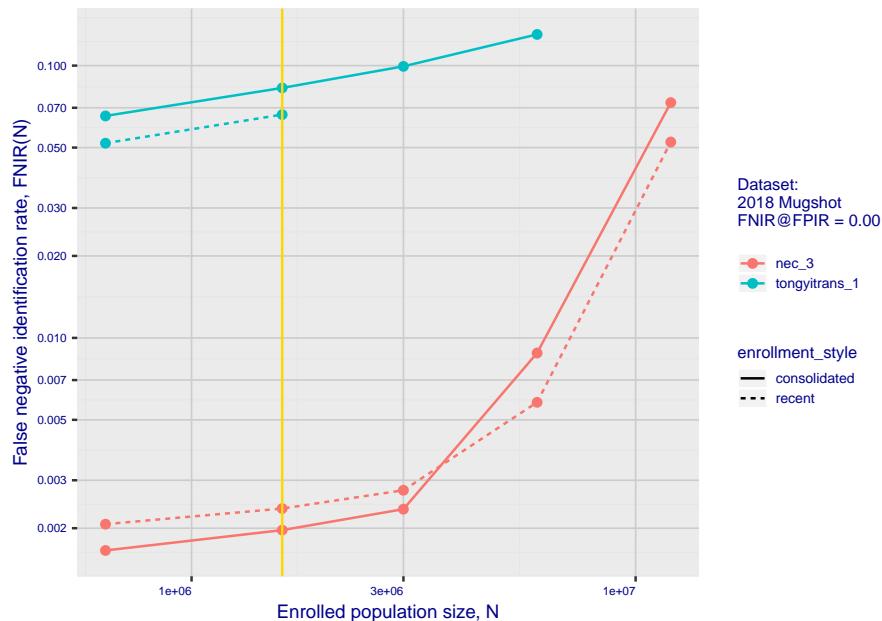
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



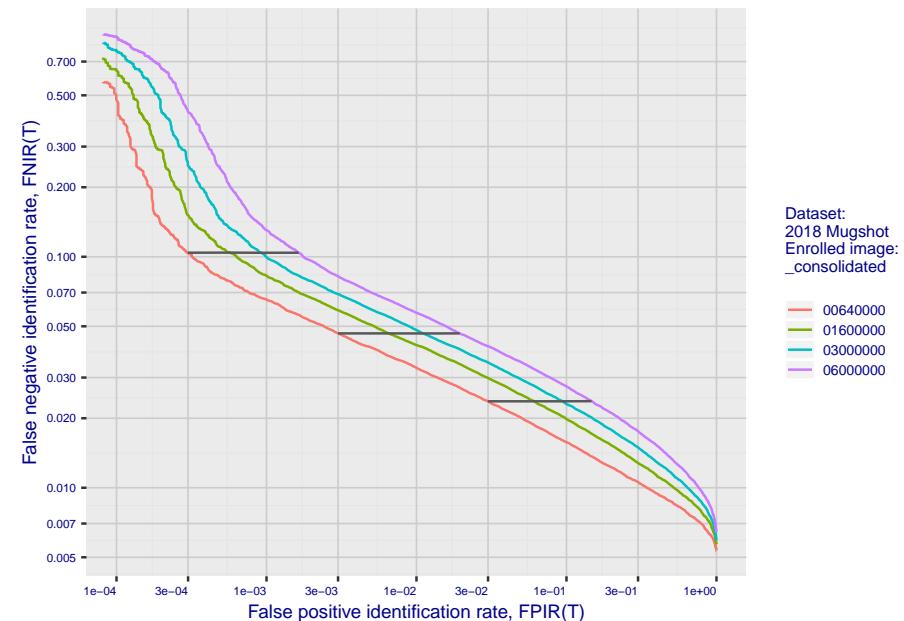
**Fig 2: DETs by enrollment type**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

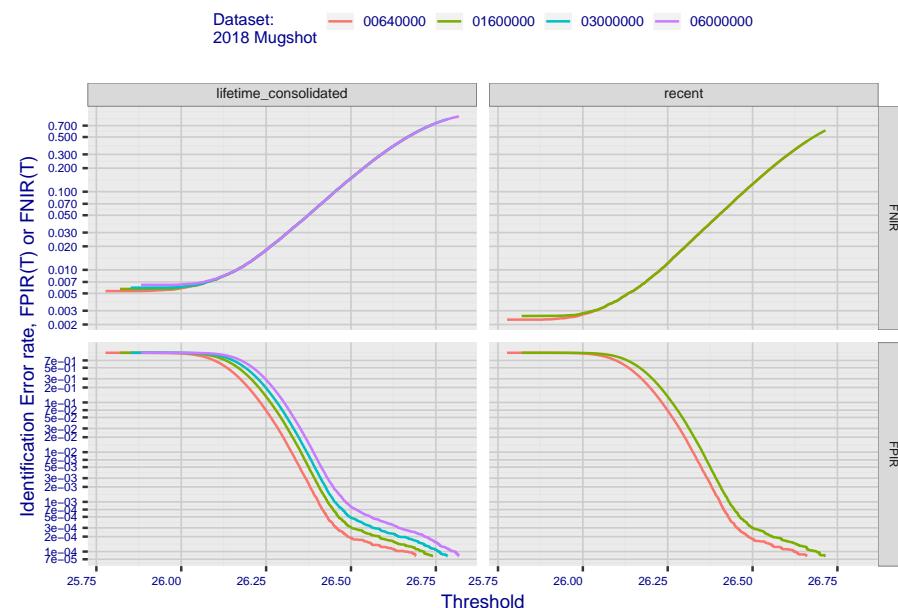


**Fig 4: DET for various N. Links connect points of equal threshold.**

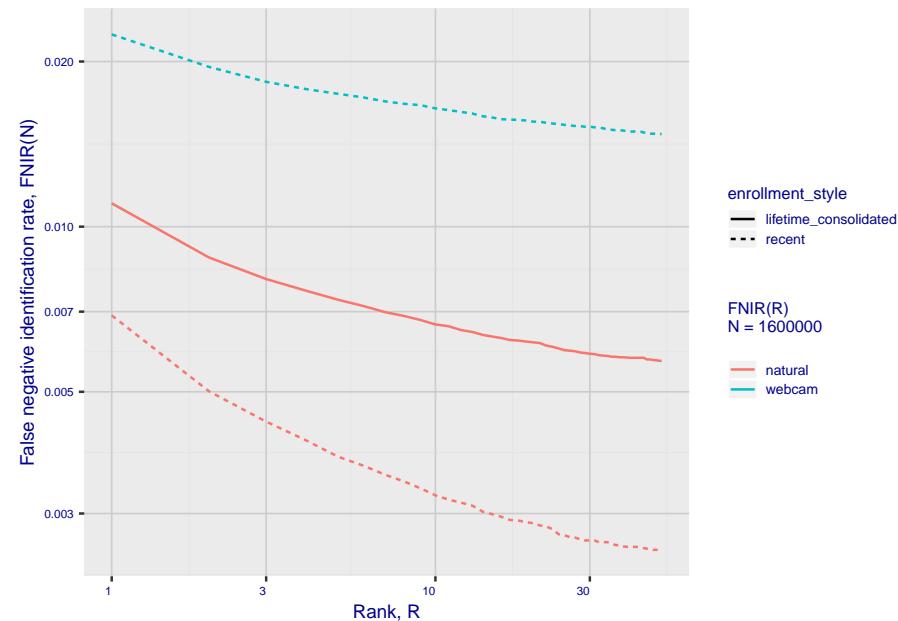


## 2. Report for algorithm tongyitrans\_1 2020-03-20 13:20:43

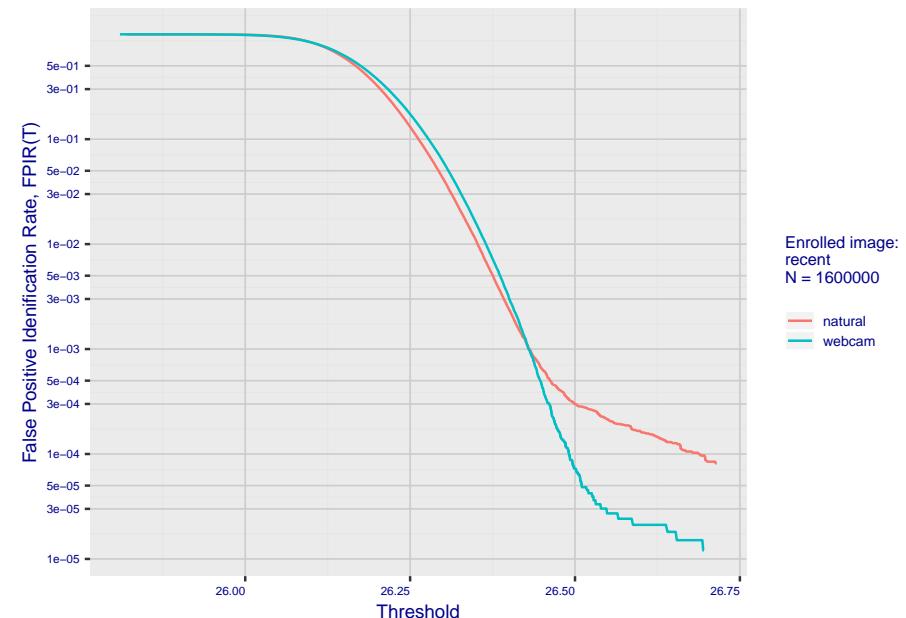
**Fig 5: Dependence on T by number enrolled identities**



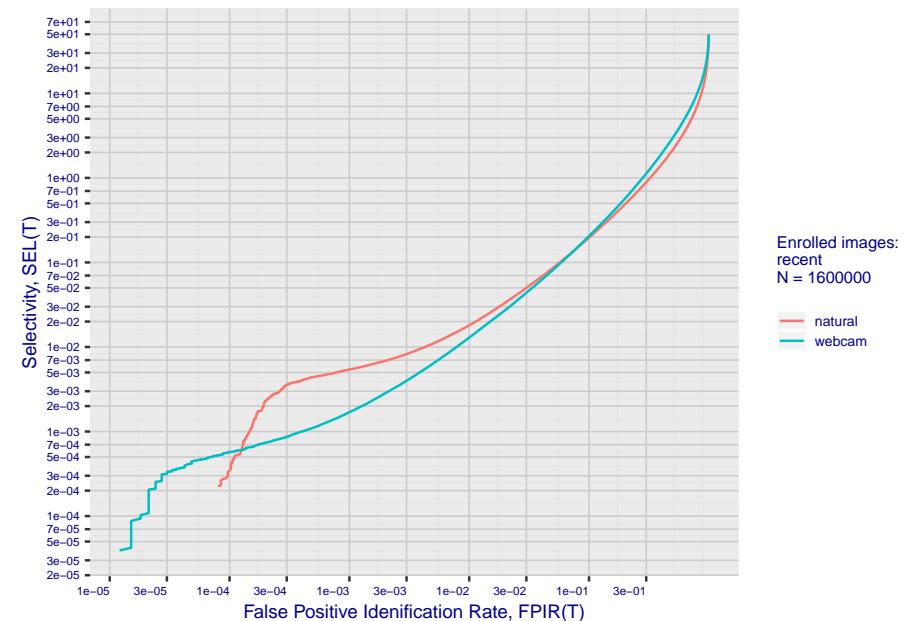
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm tongyitrans\_1 2020-03-20 13:20:43

Fig 10: Template duration; search duration vs. N

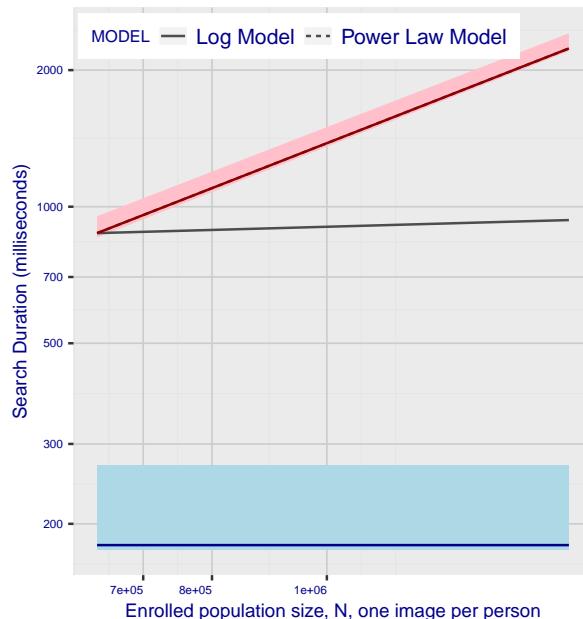
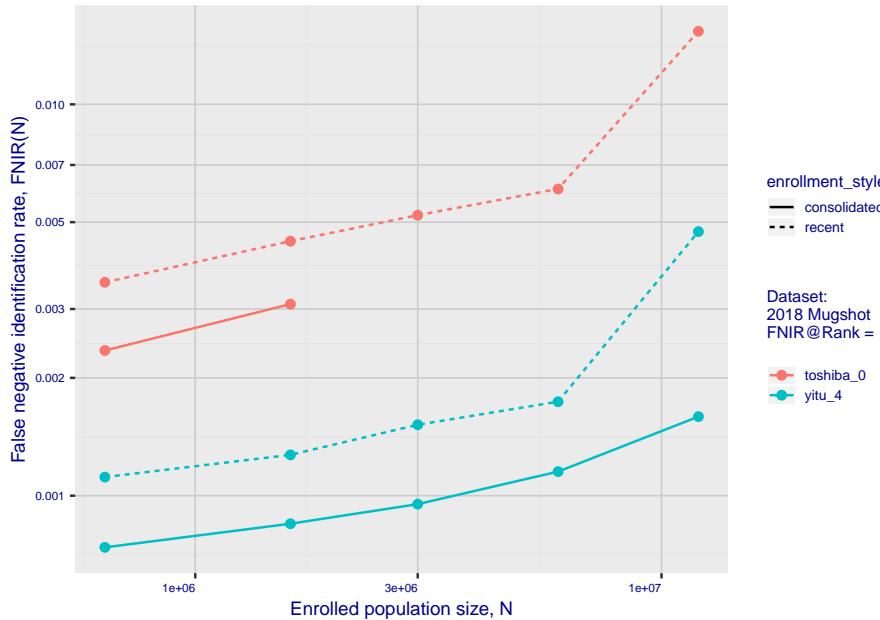


Fig 11: Datasheet

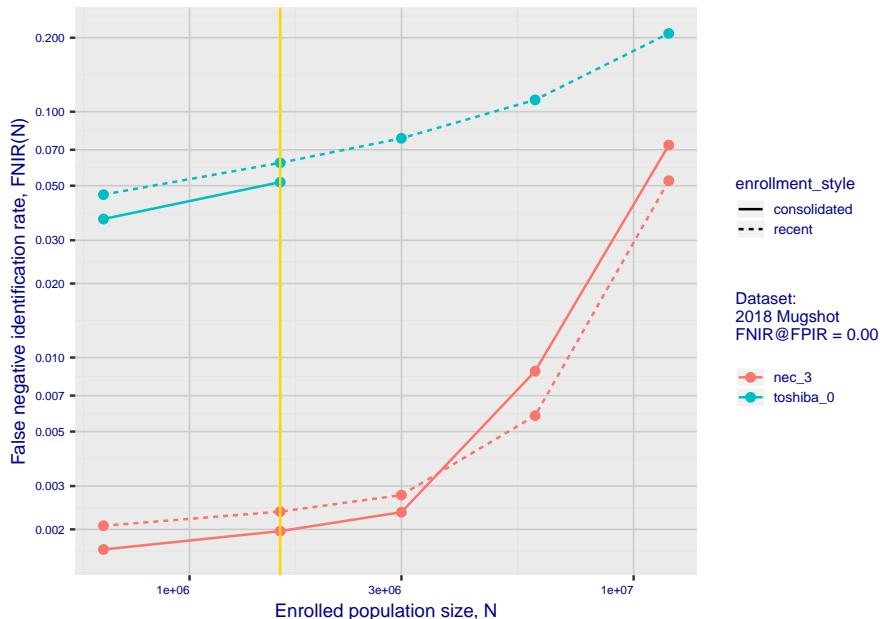
Algorithm:	tongyitrans_1
Developer:	TongYi Transportation Technology
Submission Date:	2018_06_29
Template size:	2070 bytes
Template time (2.5 percentile):	176 msec
Template time (median):	180 msec
Template time (97.5 percentile):	269 msec
Investigation rank 76 -- FNIR(1600000, 0, 1) = 0.0069 vs. lowest 0.0010 from sensetime_003	
Identification rank 81 -- FNIR(1600000, T, L+1) = 0.0661	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm toshiba\_0 2020-03-20 13:19:16

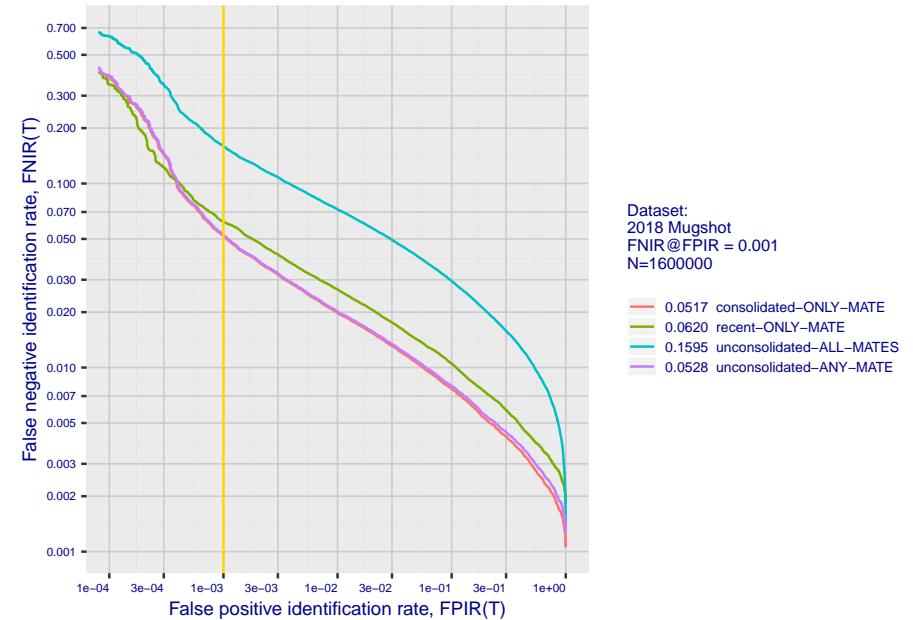
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



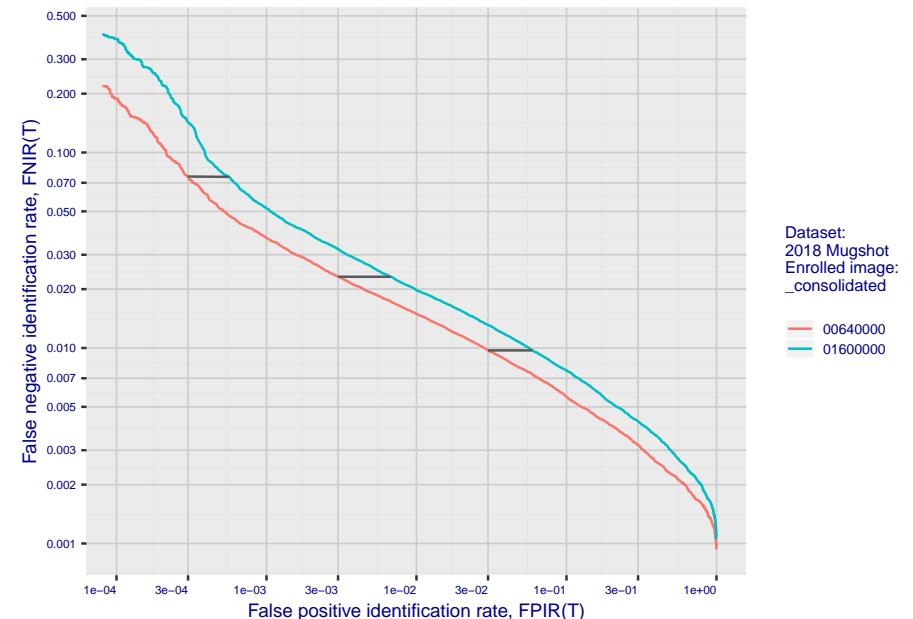
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

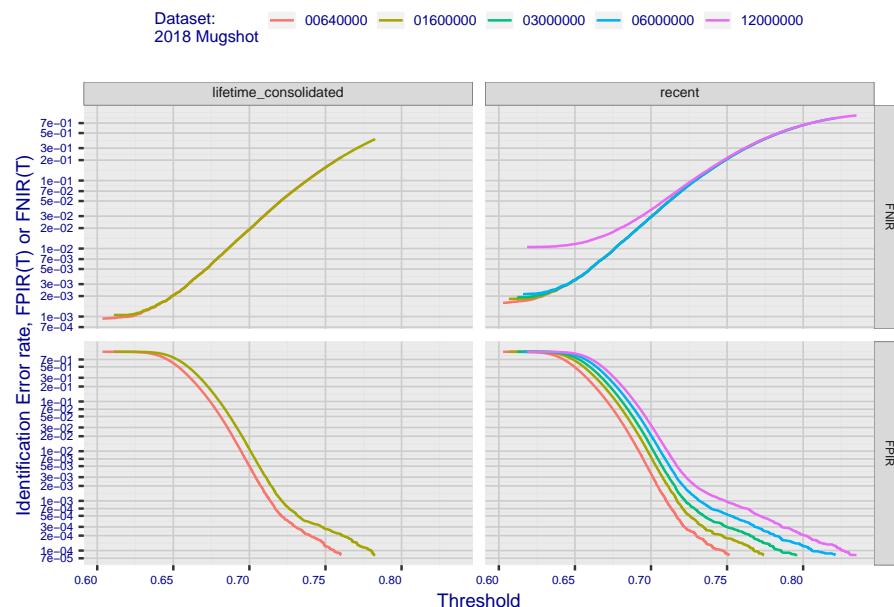


**Fig 4: DET for various N. Links connect points of equal threshold.**

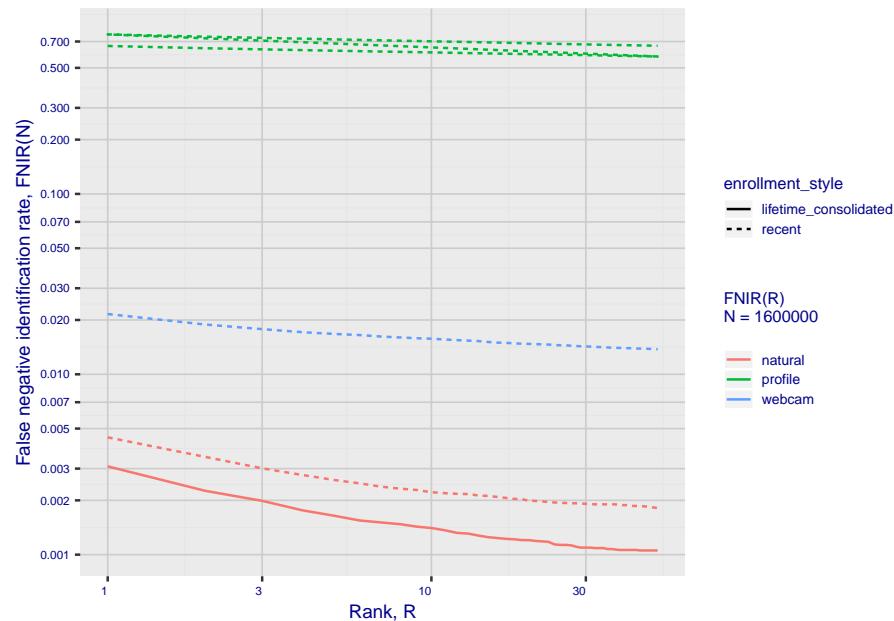


## 2. Report for algorithm toshiba\_0 2020-03-20 13:19:16

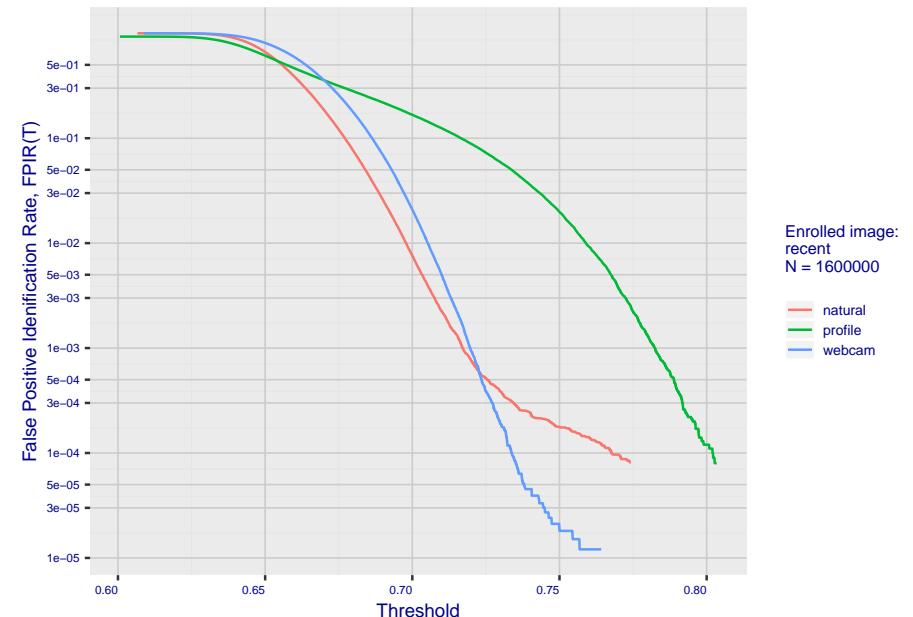
**Fig 5: Dependence on T by number enrolled identities**



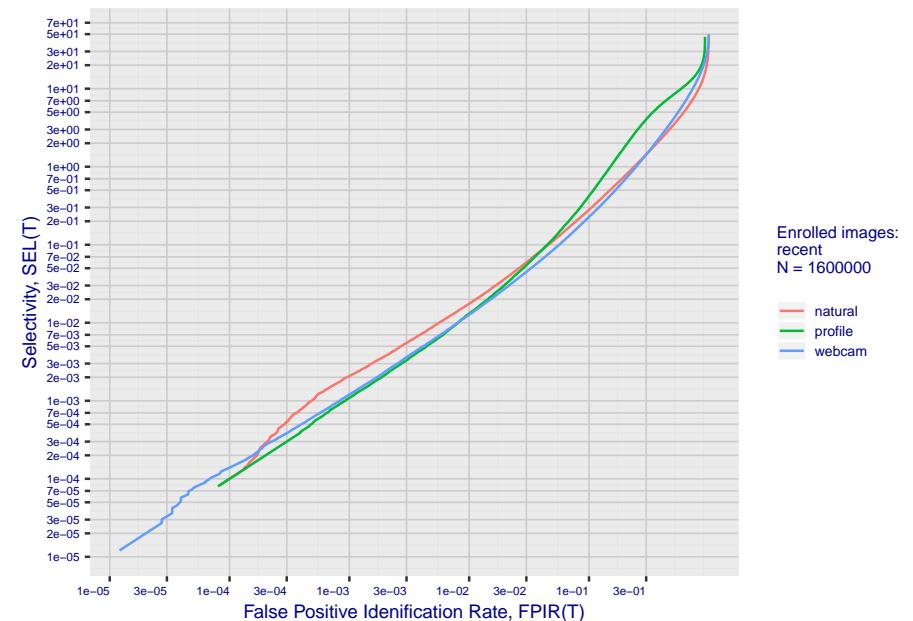
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm toshiba\_0 2020-03-20 13:19:16

Fig 10: Template duration; search duration vs. N

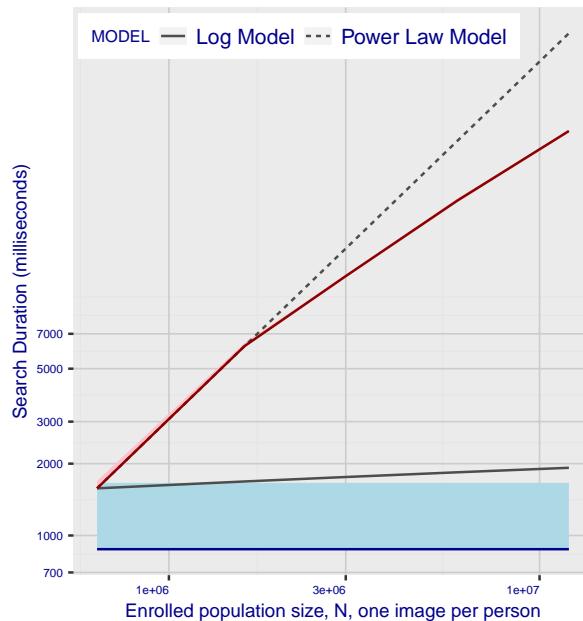
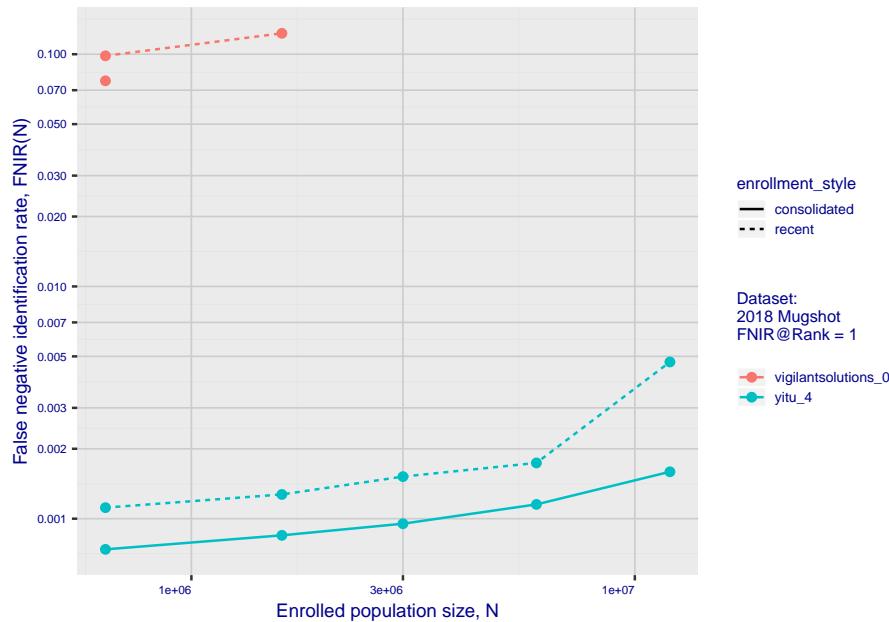


Fig 11: Datasheet

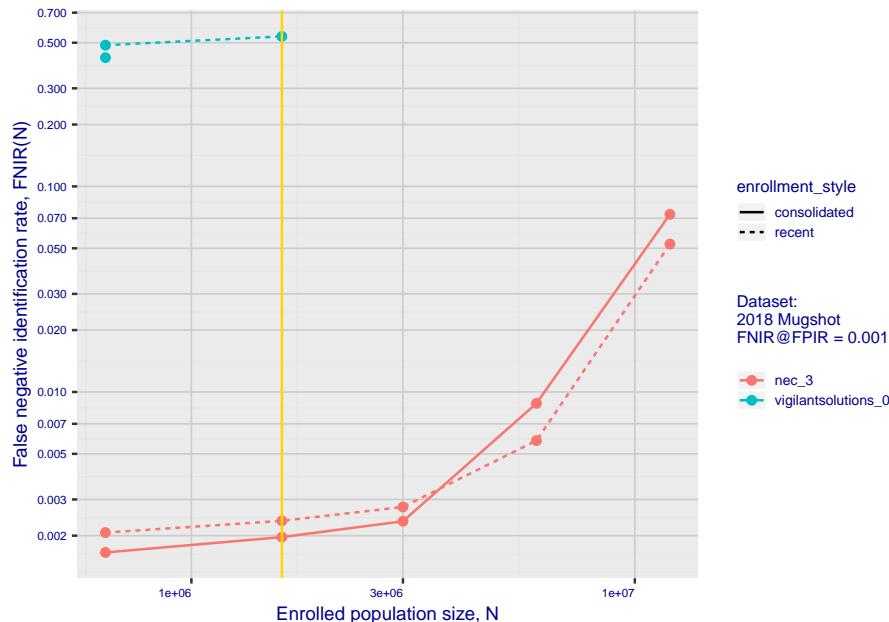
Algorithm: toshiba_0
Developer: Toshiba
Submission Date: 2018_10_30
Template size: 1548 bytes
Template time (2.5 percentile): 875 msec
Template time (median): 876 msec
Template time (97.5 percentile): 1661 msec
Investigation rank 50 --- FNIR(1600000, 0, 1) = 0.0045 vs. lowest 0.0010 from sensetime_003
Identification rank 78 --- FNIR(1600000, T, L+1) = 0.0620
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm vigilantsolutions\_0 2020-03-20 13:23:46

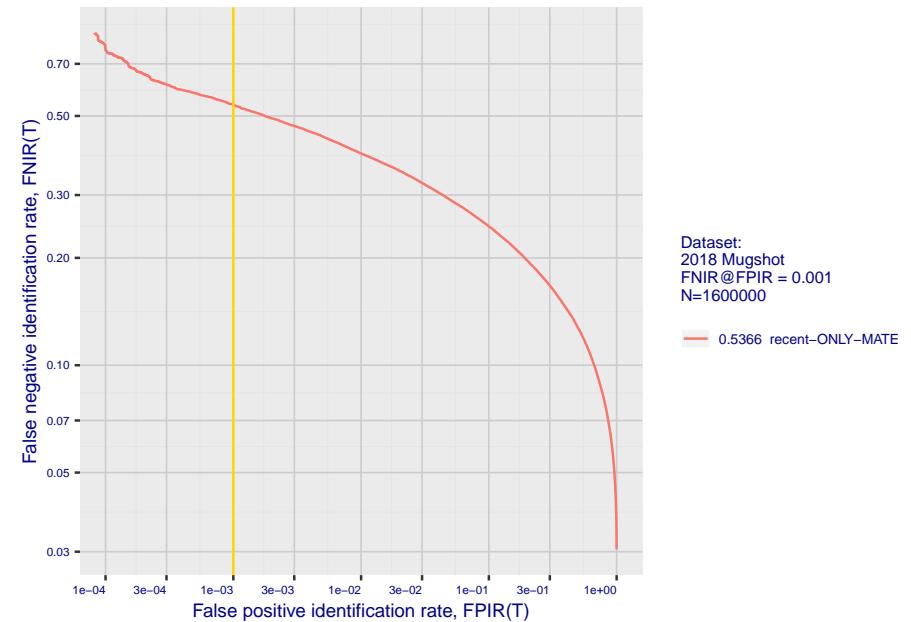
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



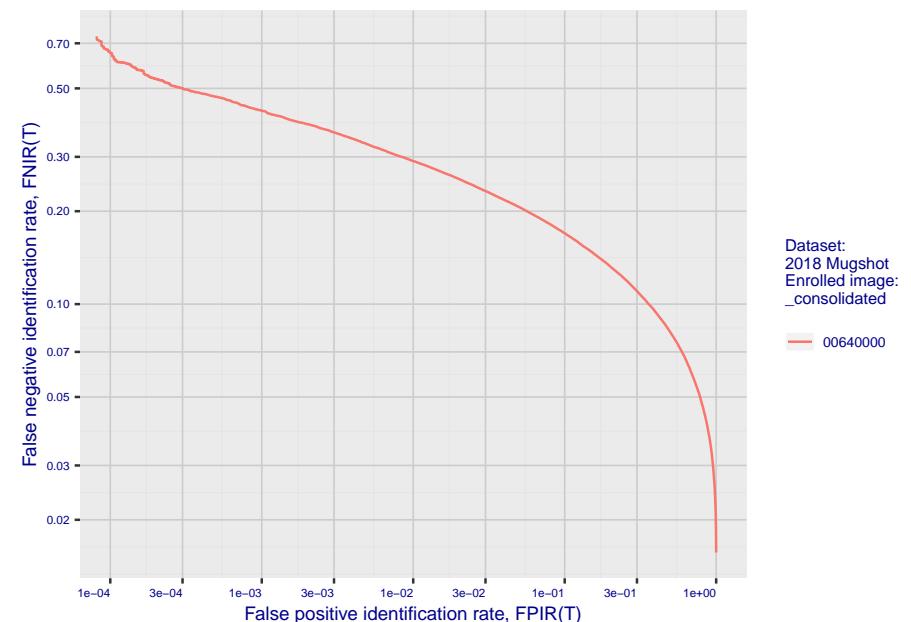
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

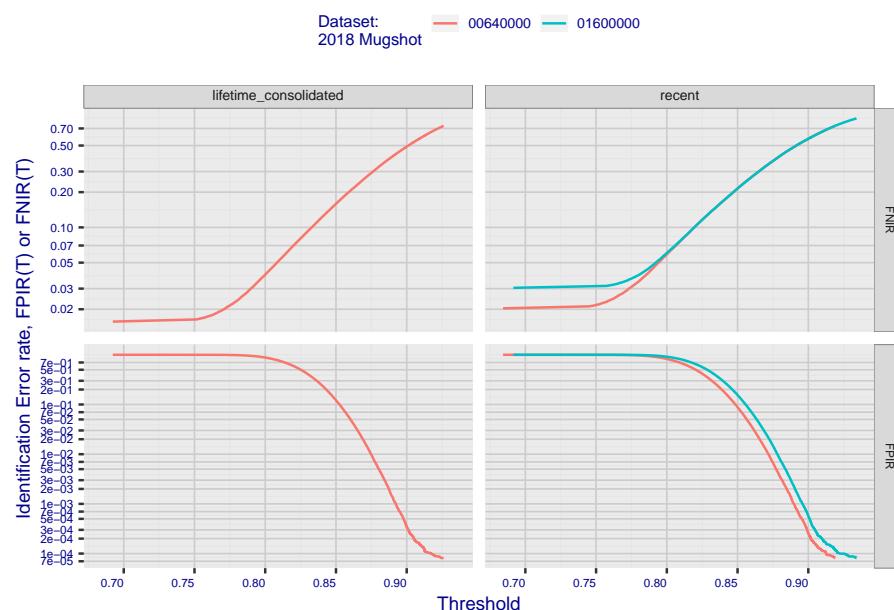


**Fig 4: DET for various N. Links connect points of equal threshold.**

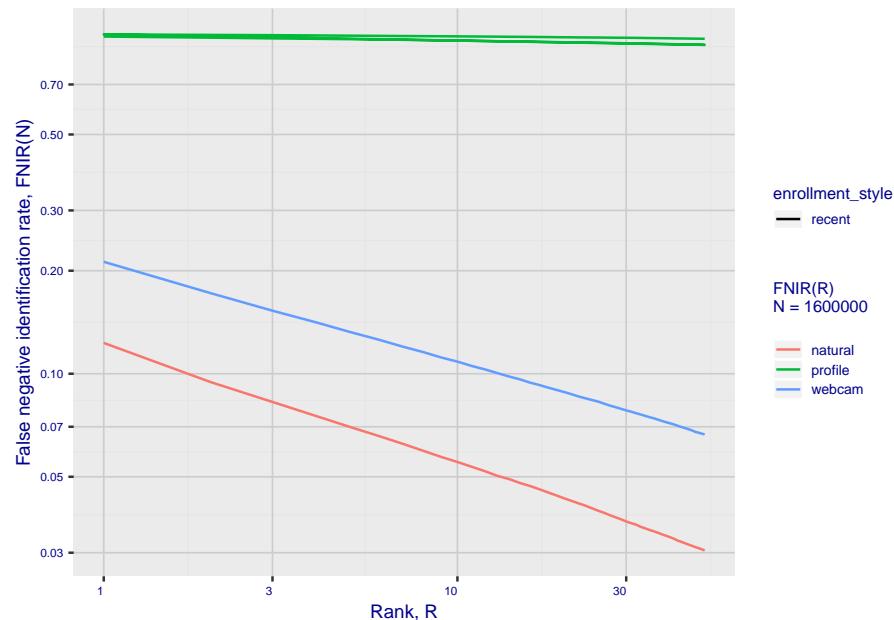


## 2. Report for algorithm vigilantsolutions\_0 2020-03-20 13:23:46

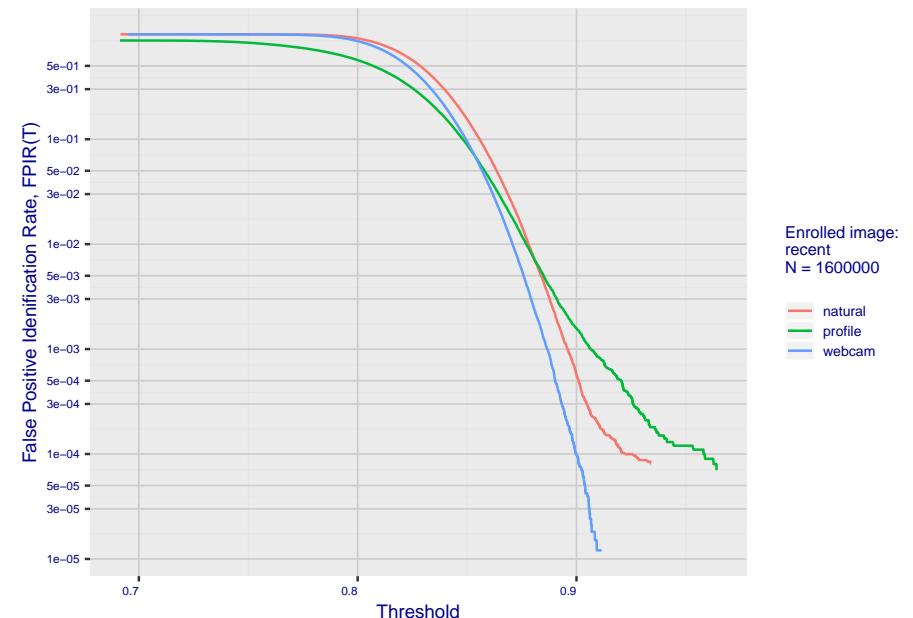
**Fig 5: Dependence on T by number enrolled identities**



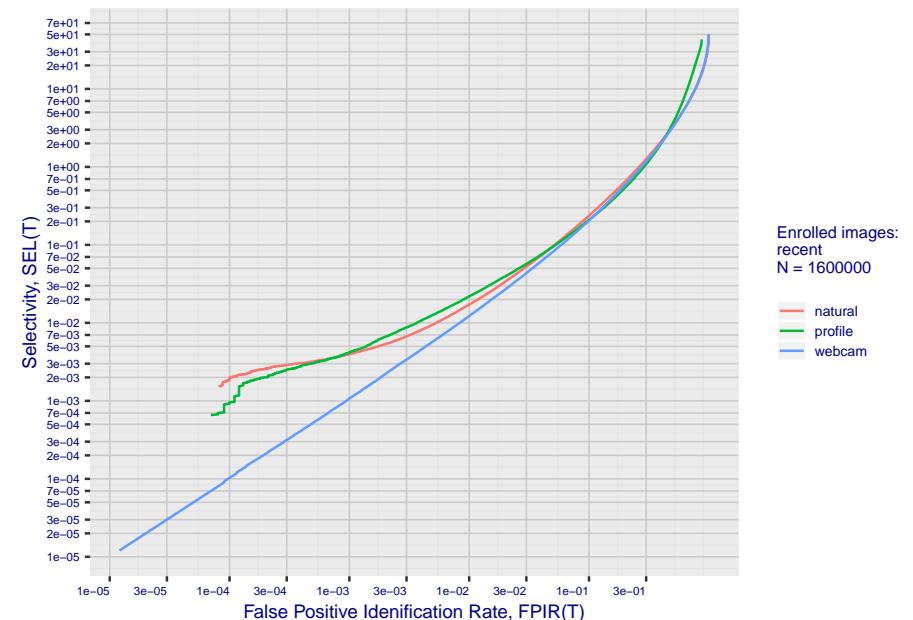
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm vigilantsolutions\_0 2020-03-20 13:23:46

Fig 10: Template duration; search duration vs. N

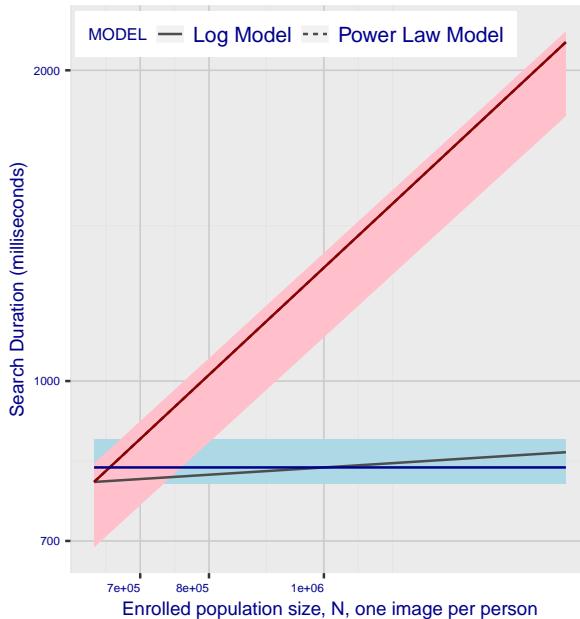
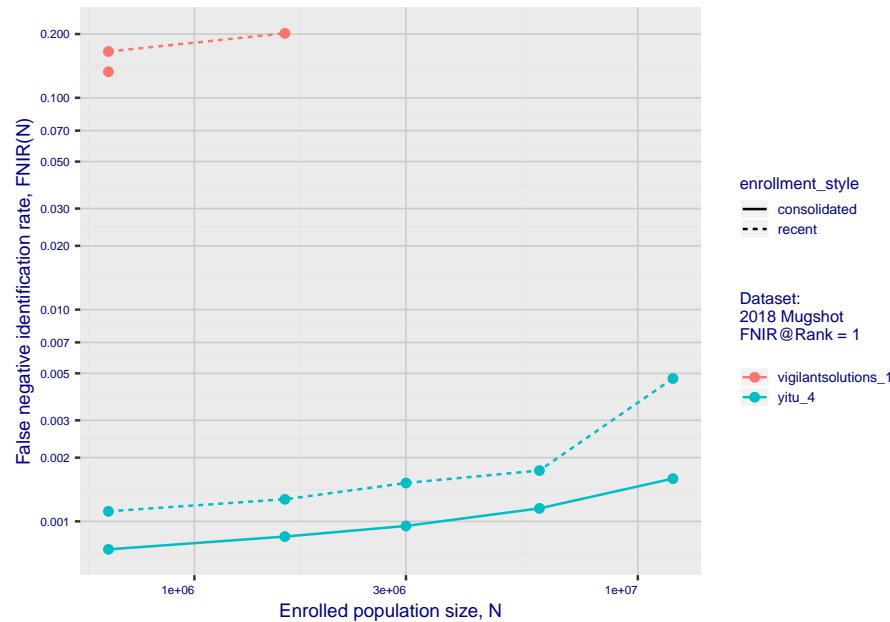


Fig 11: Datasheet

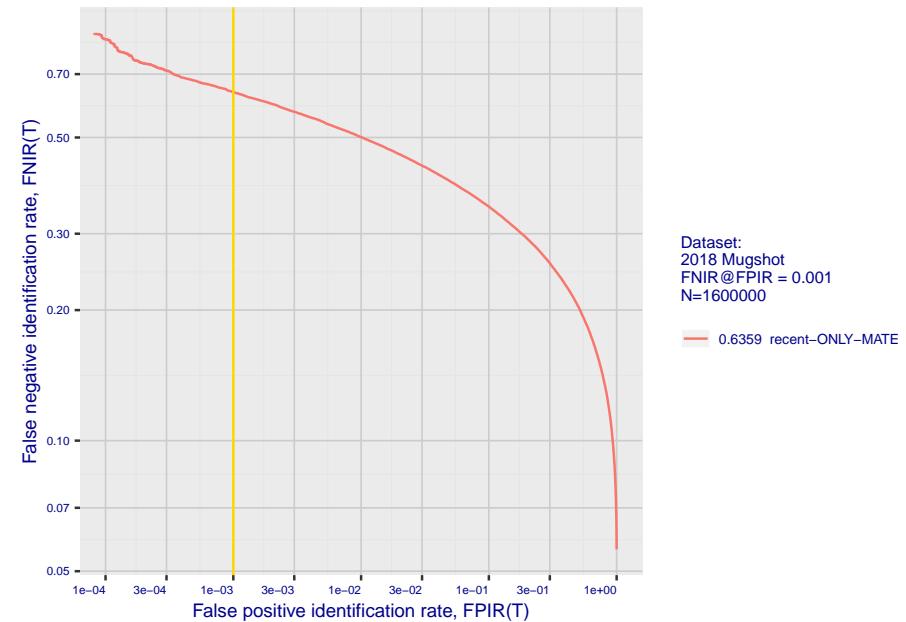
Algorithm: vigilantsolutions\_0  
Developer: Vigilant Solutions  
Submission Date: 2018\_02\_08  
Template size: 1544 bytes  
Template time (2.5 percentile): 795 msec  
Template time (median): 825 msec  
Template time (97.5 percentile): 878 msec  
Investigation rank 189 -- FNIR(1600000, 0, 1) = 0.1230 vs. lowest 0.0010 from sensetime\_003  
Identification rank 195 -- FNIR(1600000, T, L+1) = 0.5366  
FPIR = 0.001 vs. lowest 0.0018 from sensetime\_003

# 1. Report for algorithm vigilantsolutions\_1 2020-03-20 13:20:59

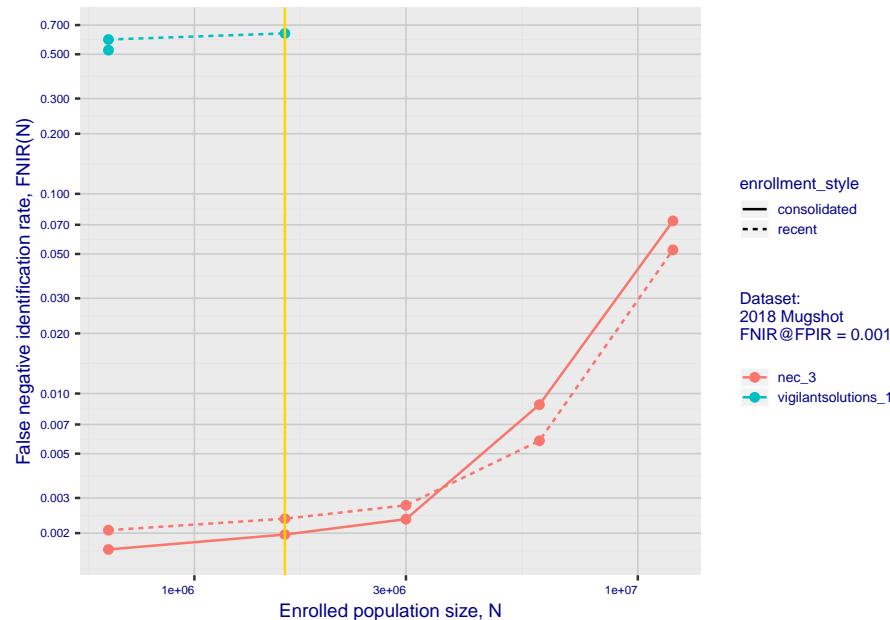
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



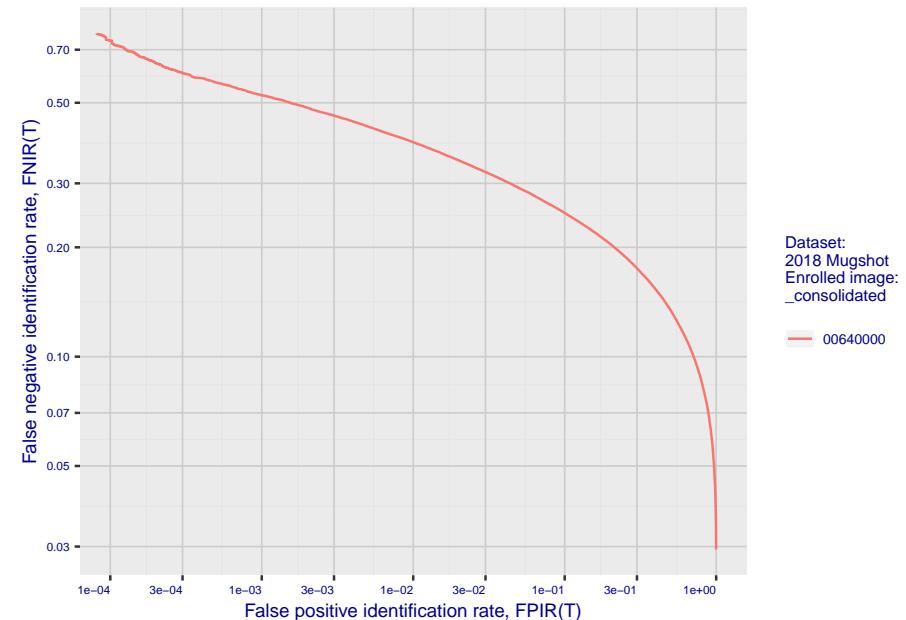
**Fig 2: DETs by enrollment type**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

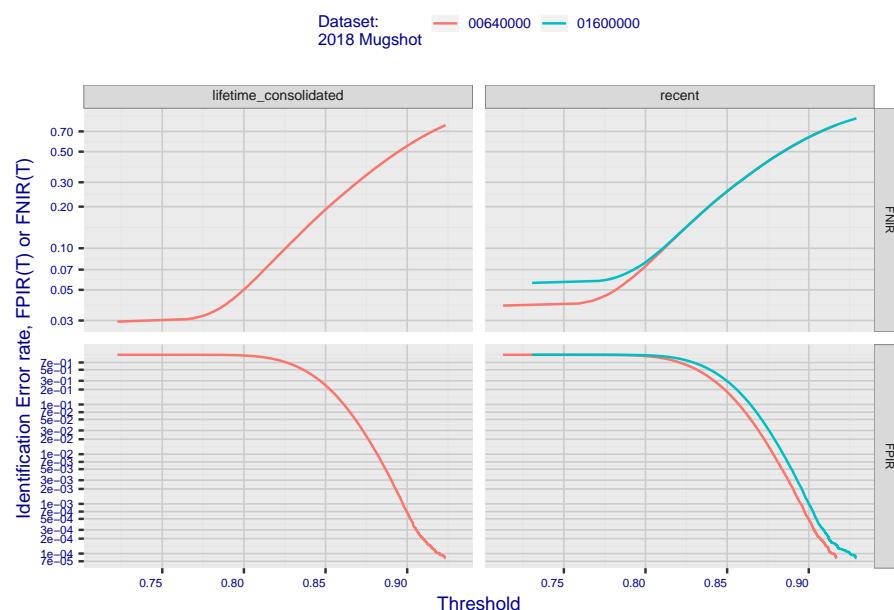


**Fig 4: DET for various N. Links connect points of equal threshold.**

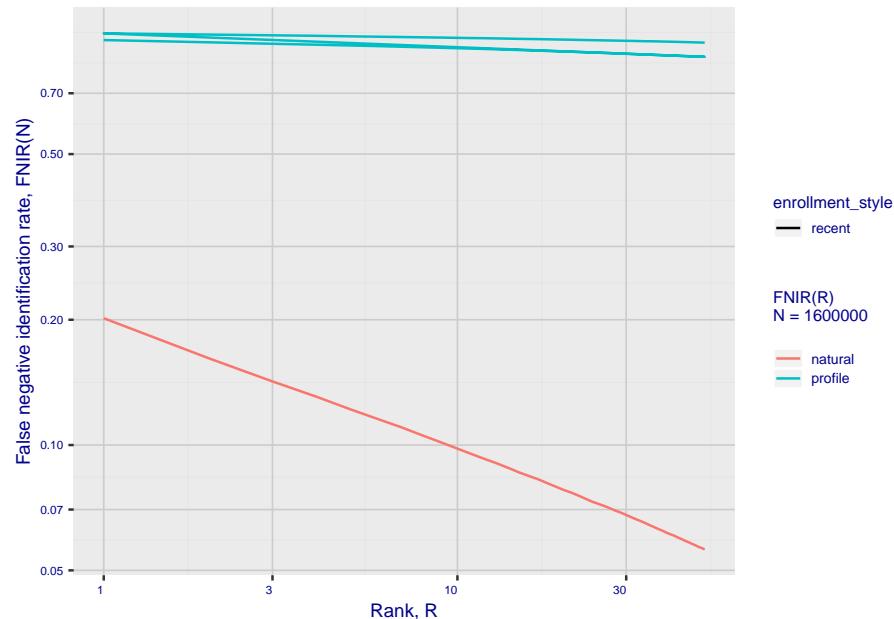


## 2. Report for algorithm vigilantsolutions\_1 2020-03-20 13:20:59

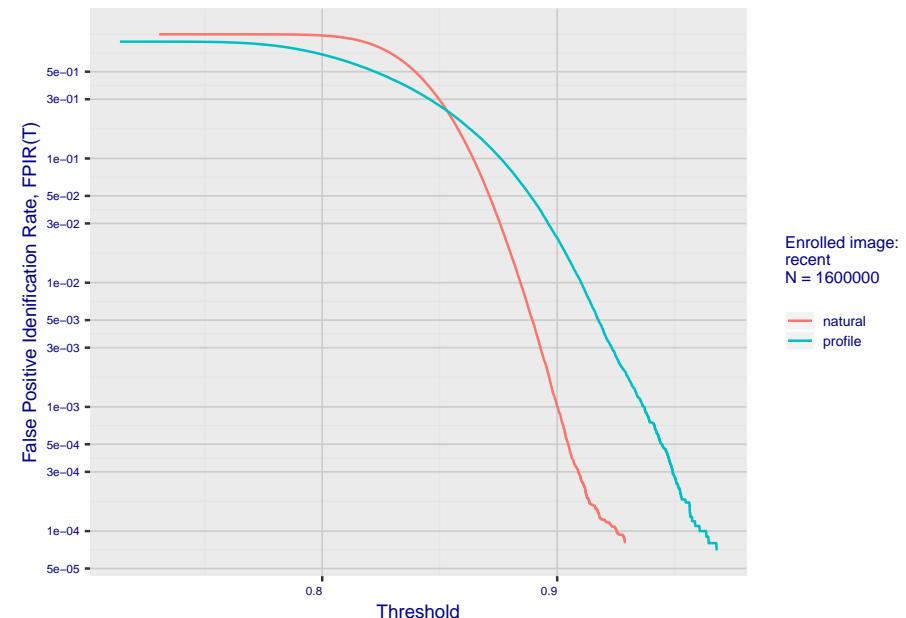
**Fig 5: Dependence on T by number enrolled identities**



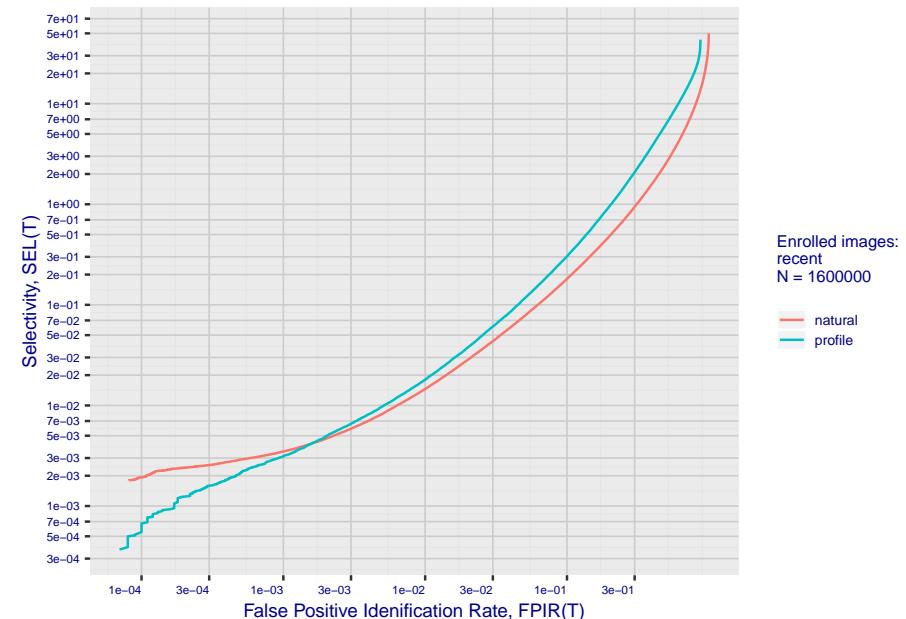
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm vigilantsolutions\_1 2020-03-20 13:20:59

Fig 10: Template duration; search duration vs. N

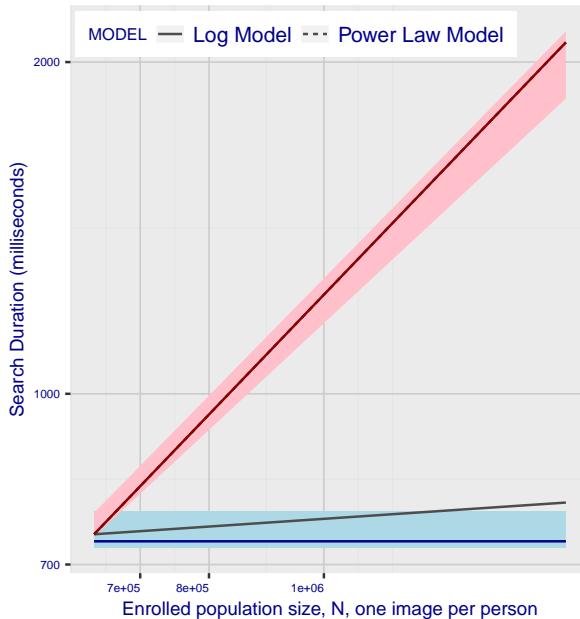
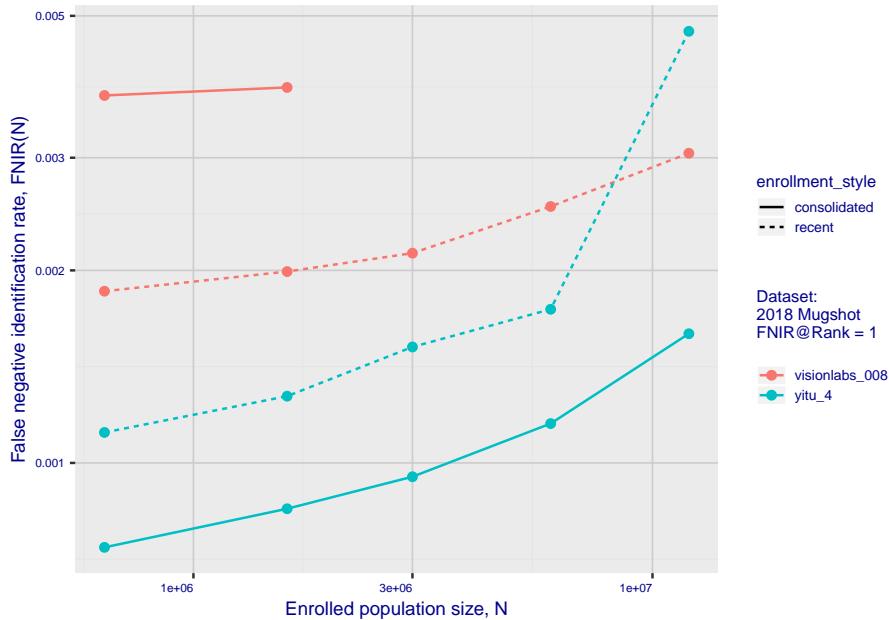


Fig 11: Datasheet

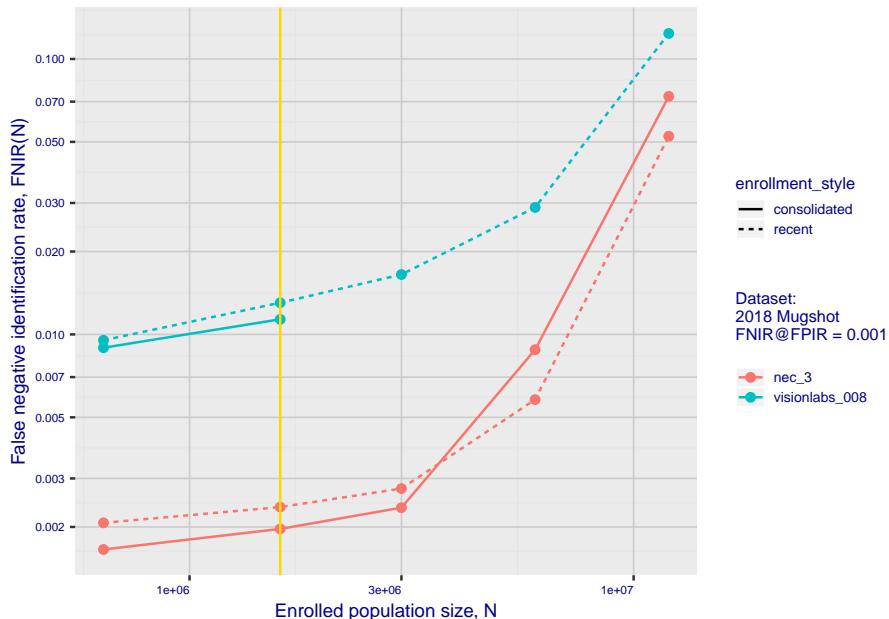
Algorithm:	vigilantsolutions_1
Developer:	Vigilant Solutions
Submission Date:	2018_02_14
Template size:	2056 bytes
Template time (2.5 percentile):	726 msec
Template time (median):	735 msec
Template time (97.5 percentile):	783 msec
Investigation rank 210 -- FNIR(160000, 0, 1) = 0.2017 vs. lowest 0.0010 from sensetime_003	
Identification rank 204 -- FNIR(160000, T, L+1) = 0.6359	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm visionlabs\_008 2020-03-20 13:22:38

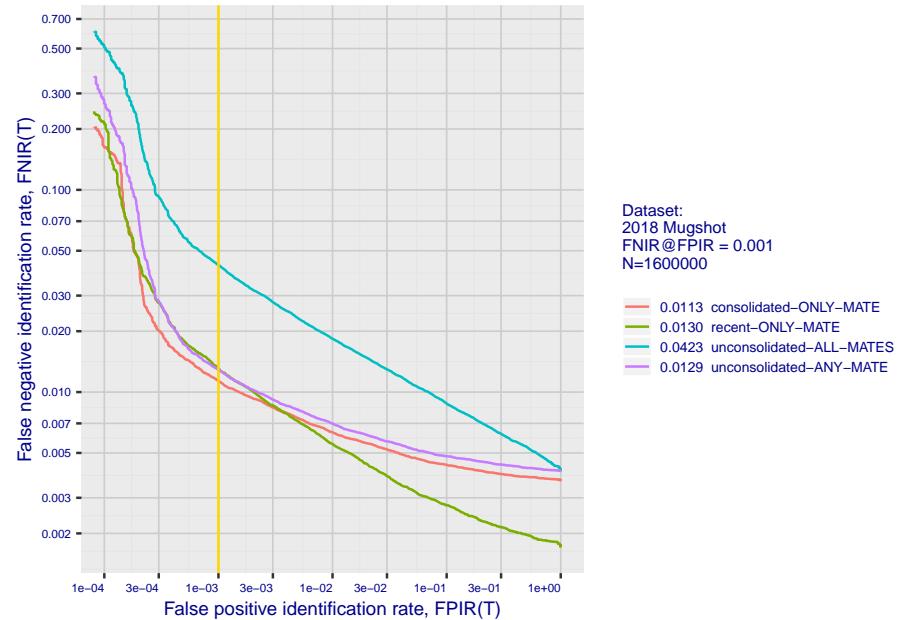
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



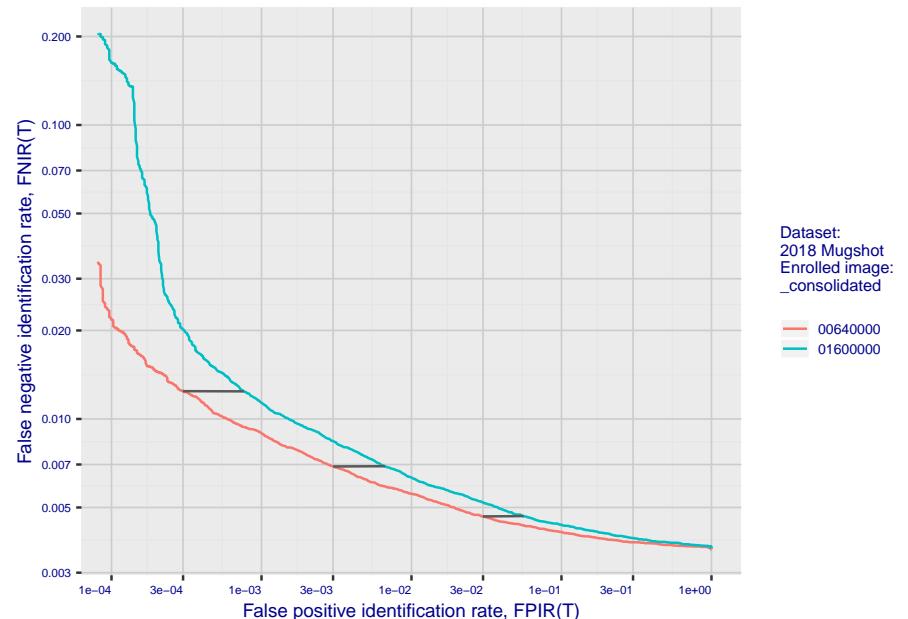
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

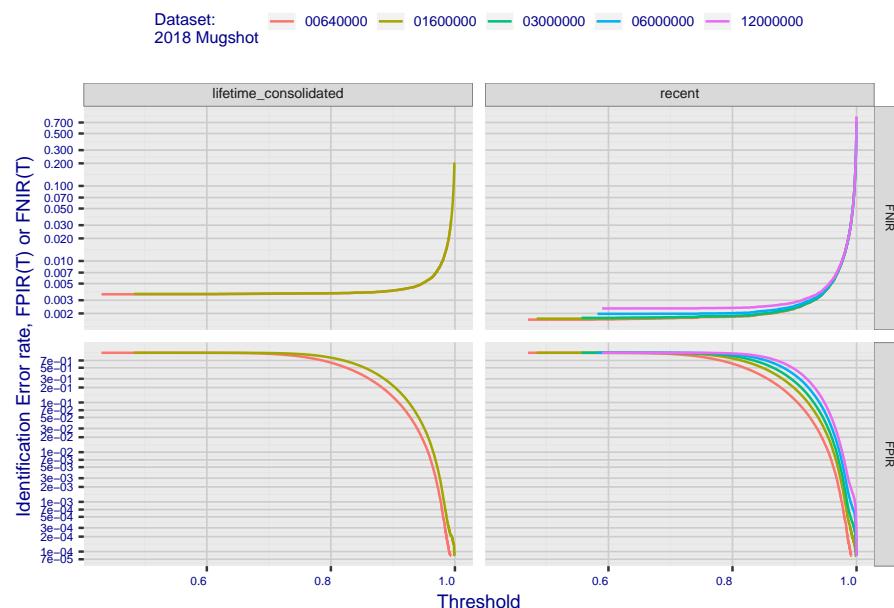


**Fig 4: DET for various N. Links connect points of equal threshold.**

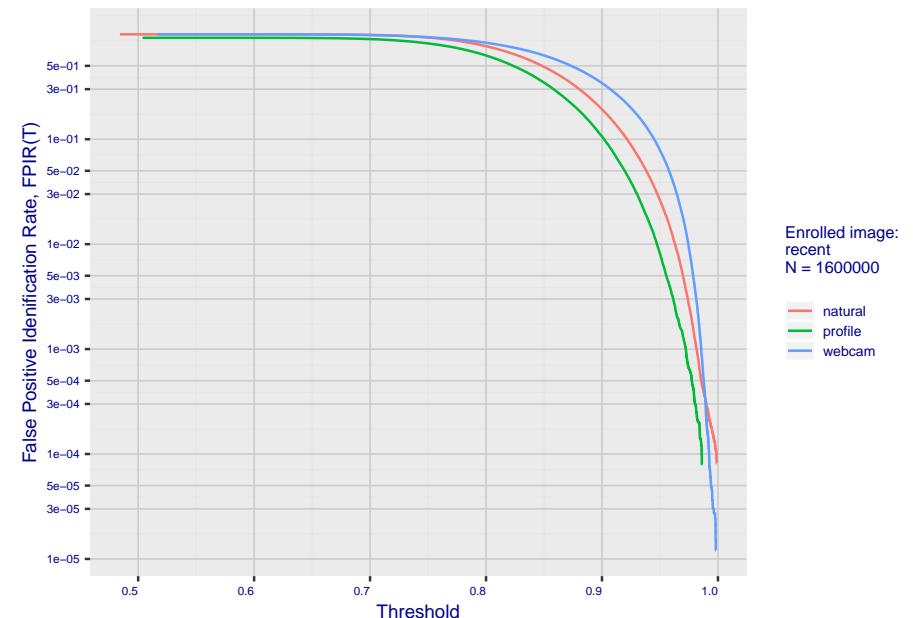


## 2. Report for algorithm visionlabs\_008 2020-03-20 13:22:38

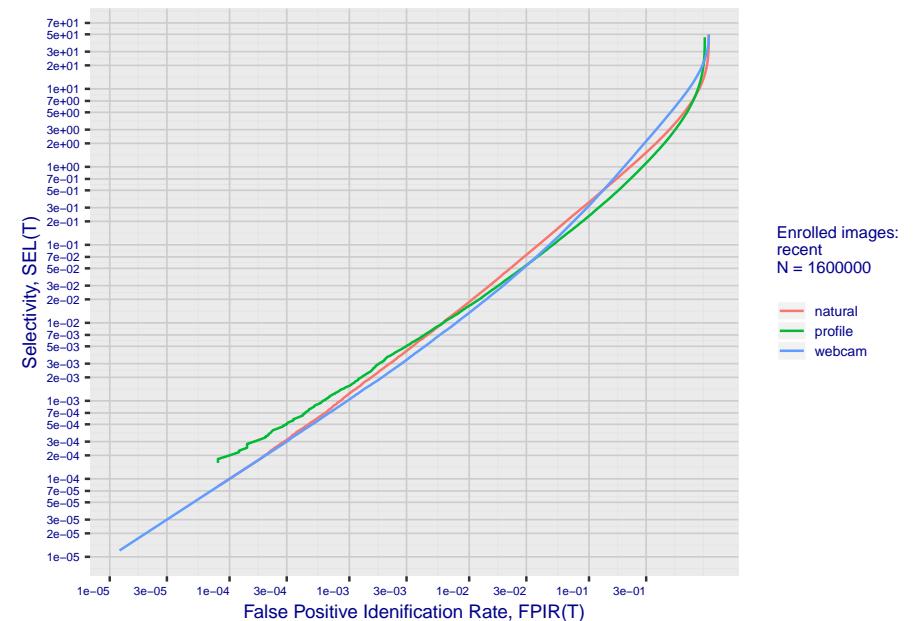
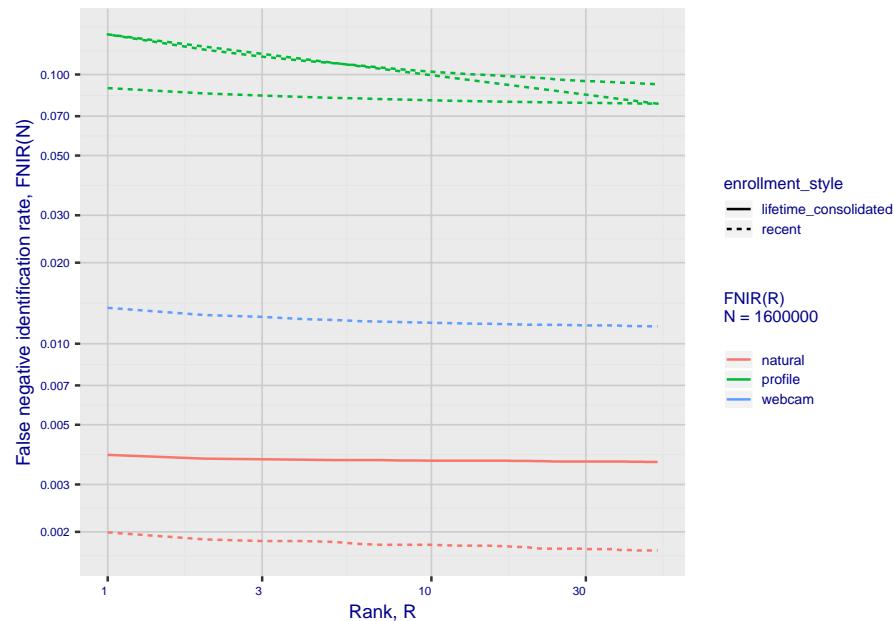
**Fig 5: Dependence on T by number enrolled identities**



**Fig 6: FPIR dependence on T by probe type**

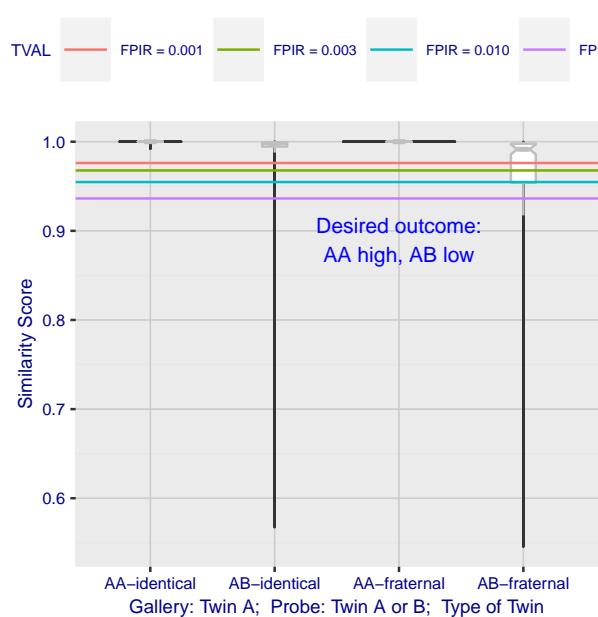


**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**

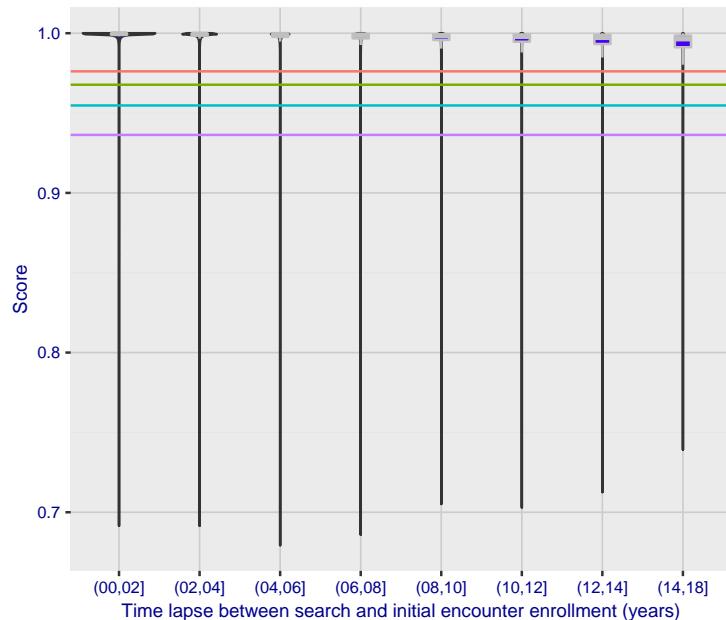


### 3. Report for algorithm visionlabs\_008 2020-03-20 13:22:38

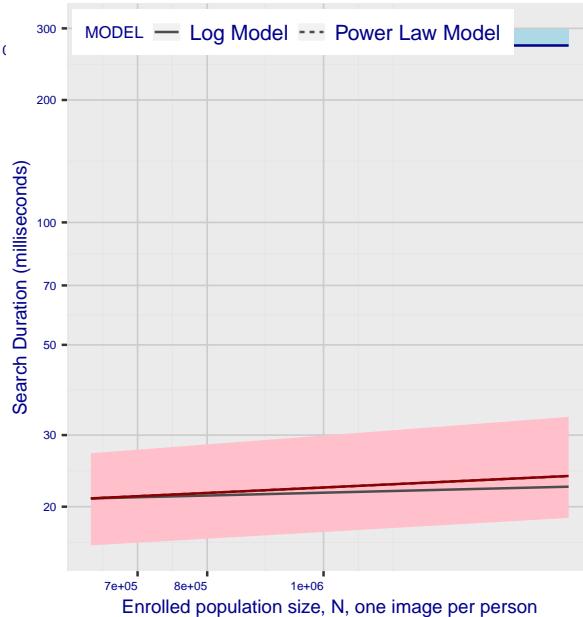
**Fig 9: Solo-Twin and Twin-Twin similarity scores**



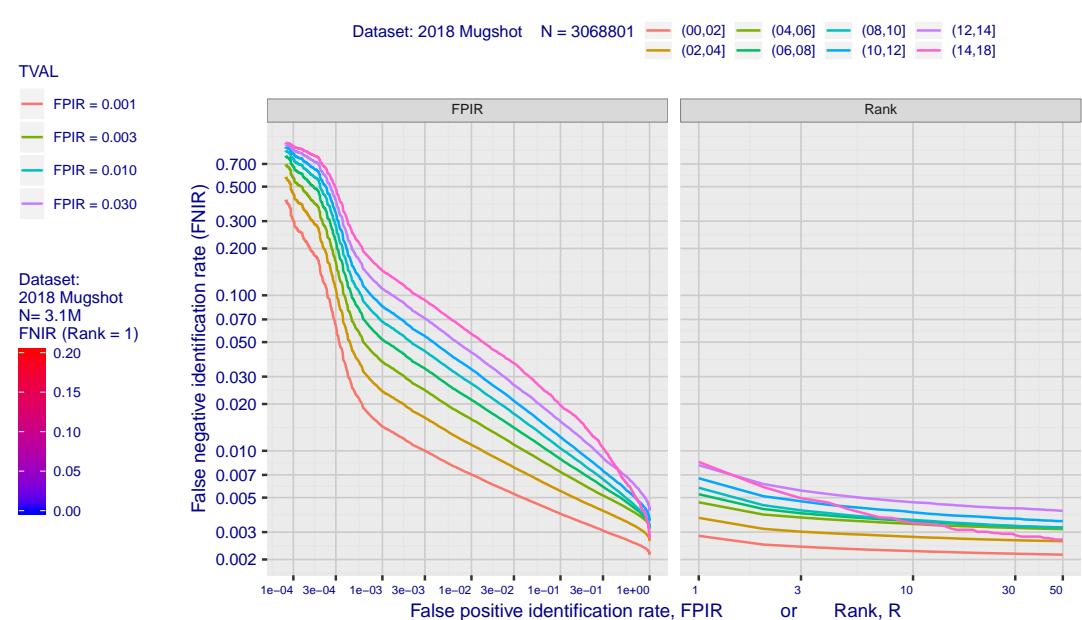
**Fig 12: Decline of genuine scores with ageing**



**Fig 10: Template duration; search duration vs. N**



**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

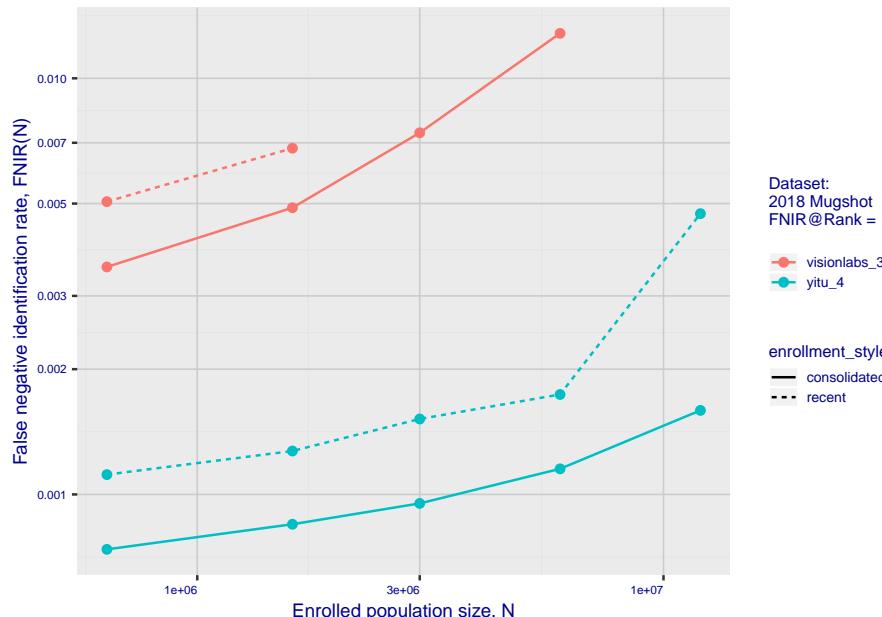


**Fig 11: Datasheet**

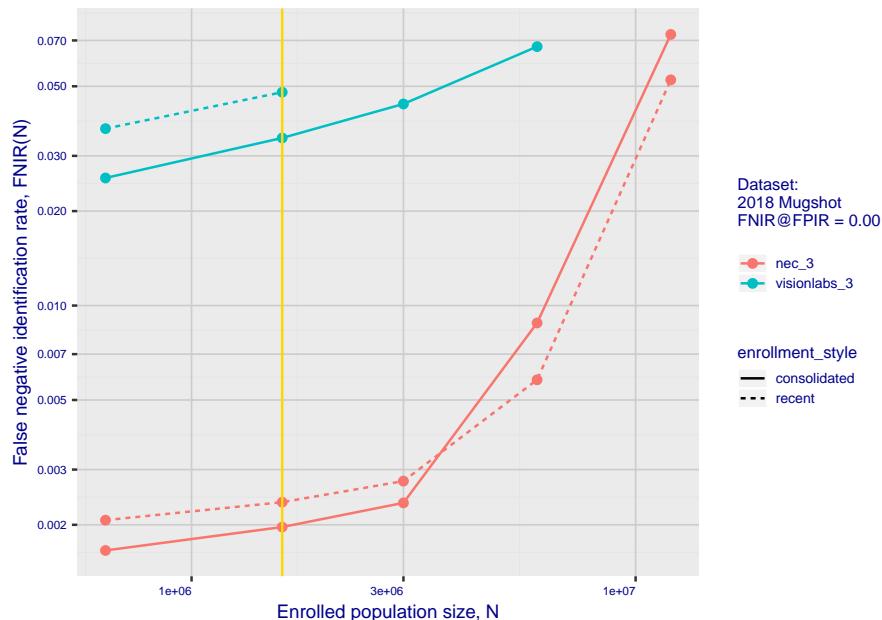
Algorithm: visionlabs_008
Developer: VisionLabs
Submission Date: 2019_06_18
Template size: 512 bytes
Template time (2.5 percentile): 272 msec
Template time (median): 272 msec
Template time (97.5 percentile): 298 msec
Investigation rank 18 --- FNIR(1600000, 0, 1) = 0.0020 vs. lowest 0.0010 from sensetime_003
Identification rank 9 --- FNIR(1600000, T, L+1) = 0.0130
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm visionlabs\_3 2020-03-20 13:20:53

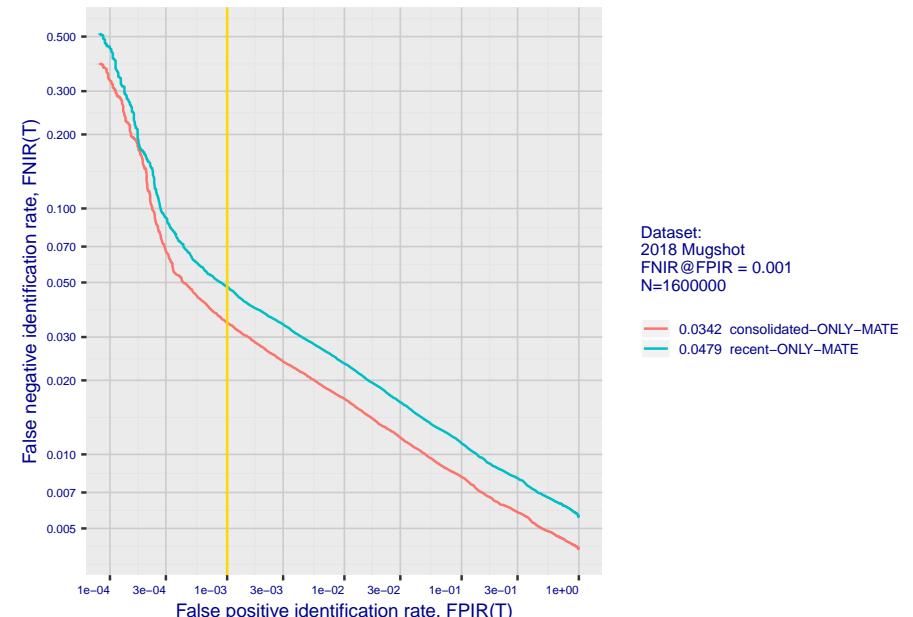
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



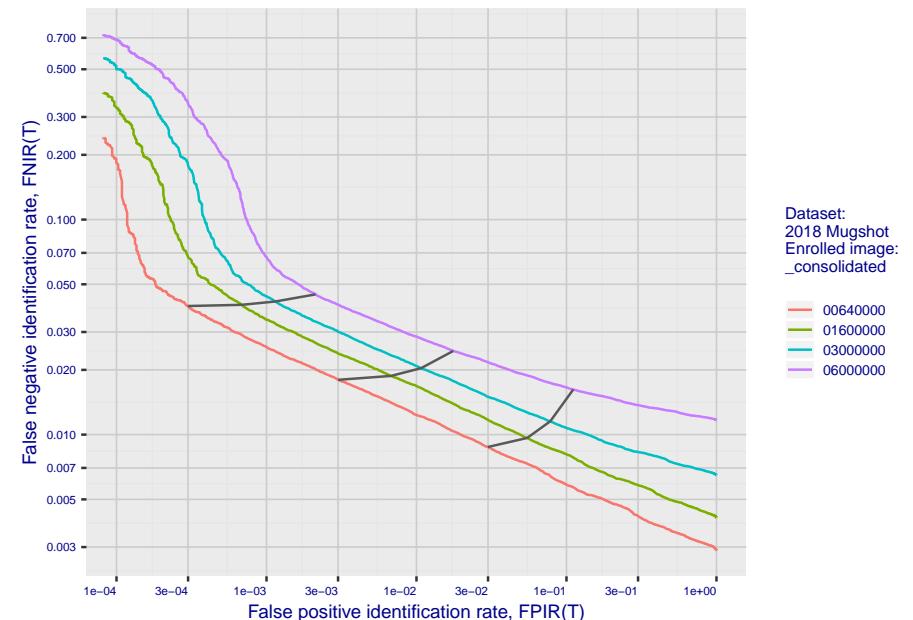
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

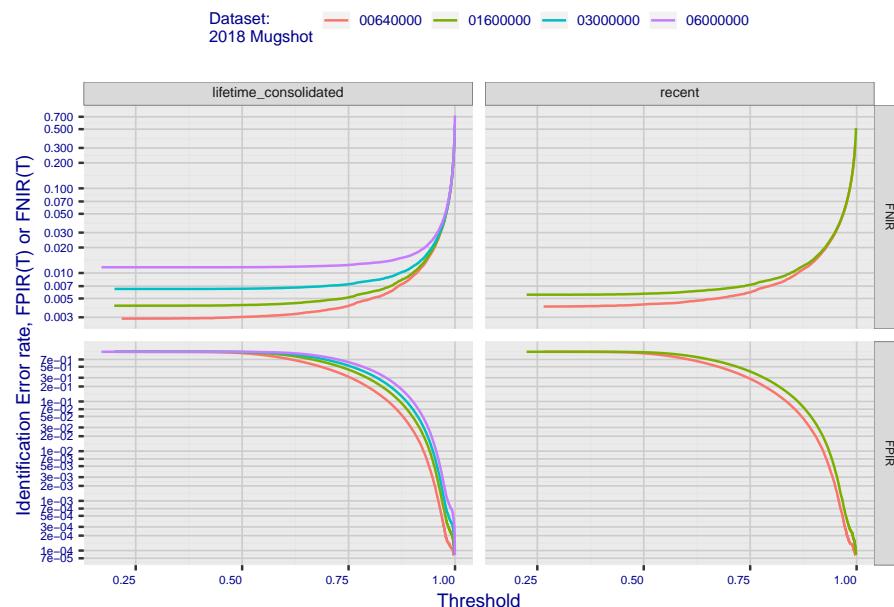


**Fig 4: DET for various N. Links connect points of equal threshold.**

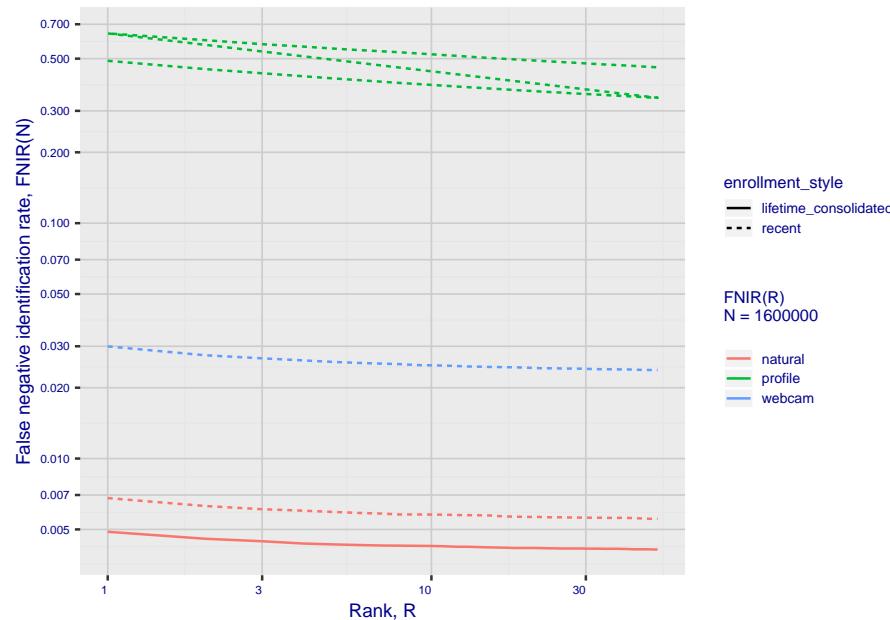


## 2. Report for algorithm visionlabs\_3 2020-03-20 13:20:53

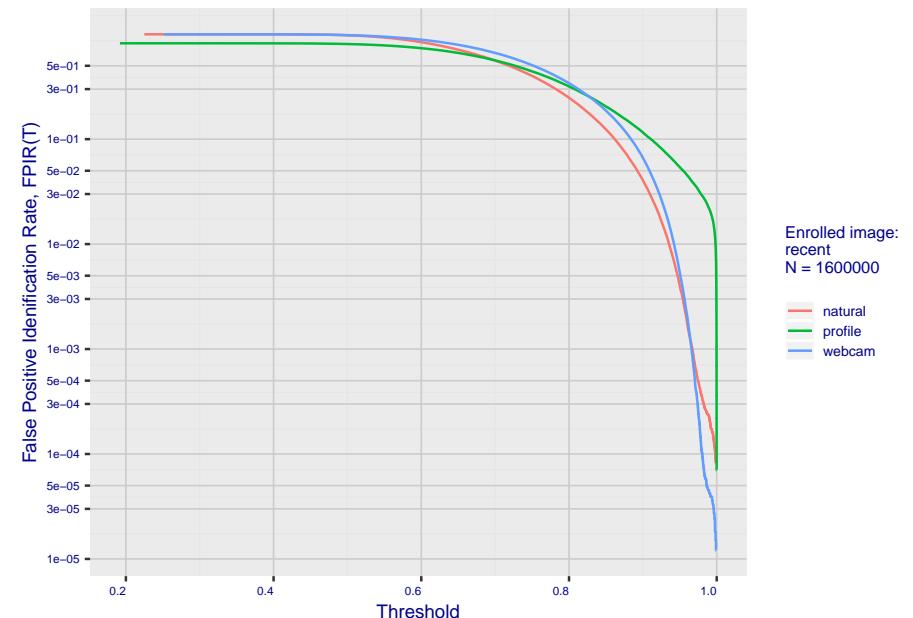
**Fig 5: Dependence on T by number enrolled identities**



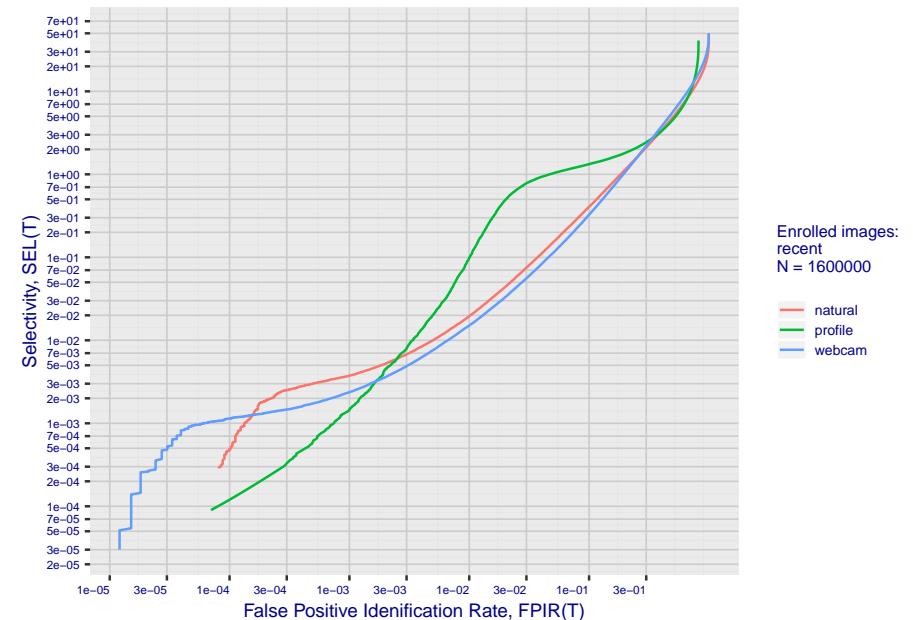
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm visionlabs\_3 2020-03-20 13:20:53

Fig 10: Template duration; search duration vs. N

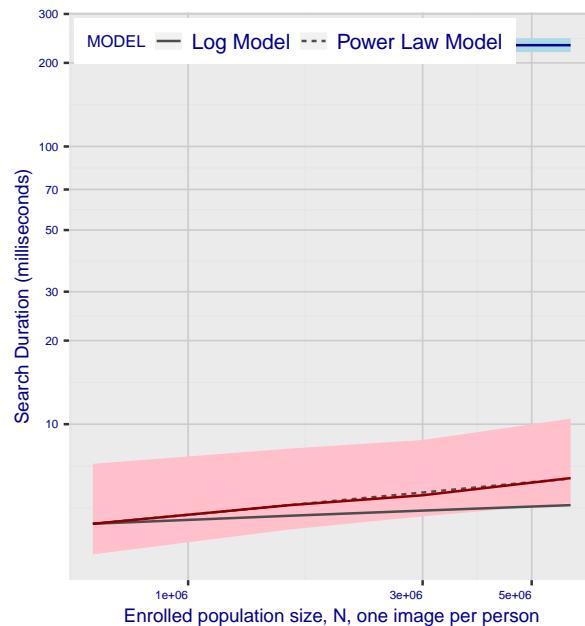
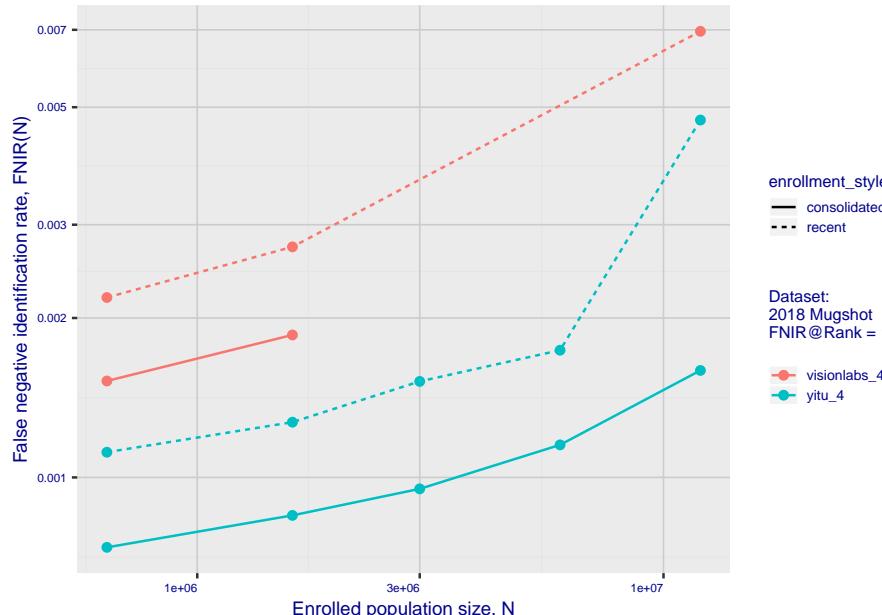


Fig 11: Datasheet

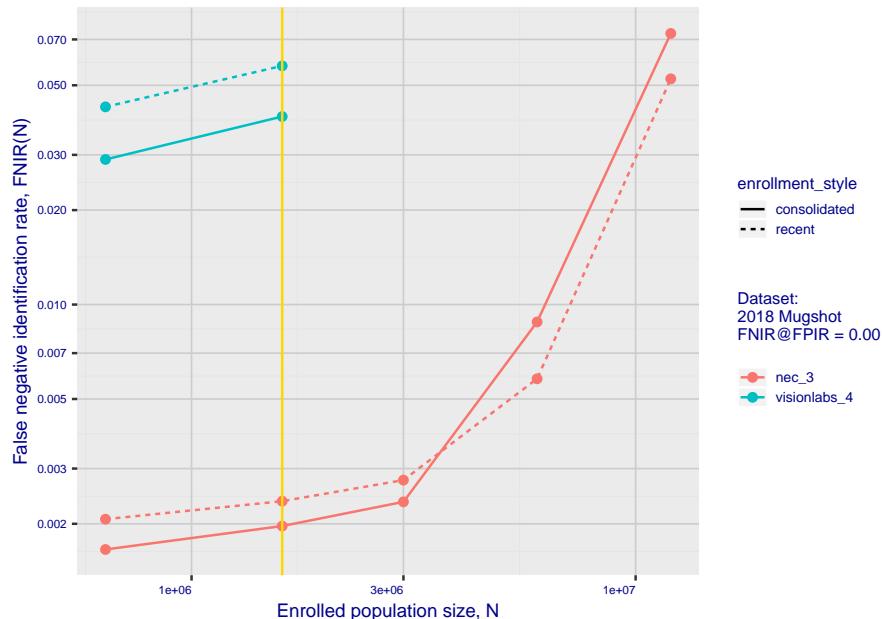
Algorithm: visionlabs_3
Developer: VisionLabs
Submission Date: 2018_02_16
Template size: 256 bytes
Template time (2.5 percentile): 219 msec
Template time (median): 232 msec
Template time (97.5 percentile): 245 msec
Investigation rank 74 --- FNIR(1600000, 0, 1) = 0.0068 vs. lowest 0.0010 from sensetime_003
Identification rank 55 --- FNIR(1600000, T, L+1) = 0.0479
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003

# 1. Report for algorithm visionlabs\_4 2020-03-20 13:22:24

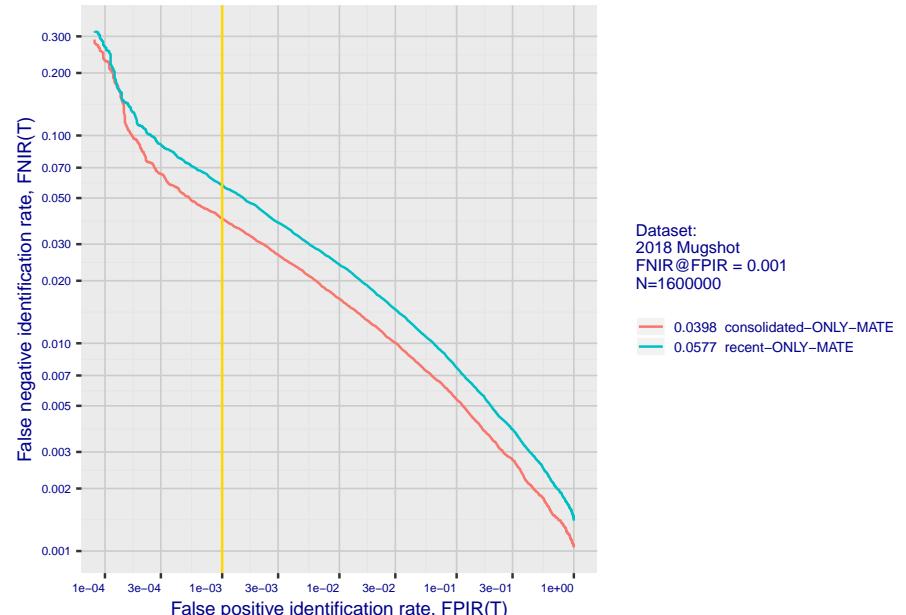
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



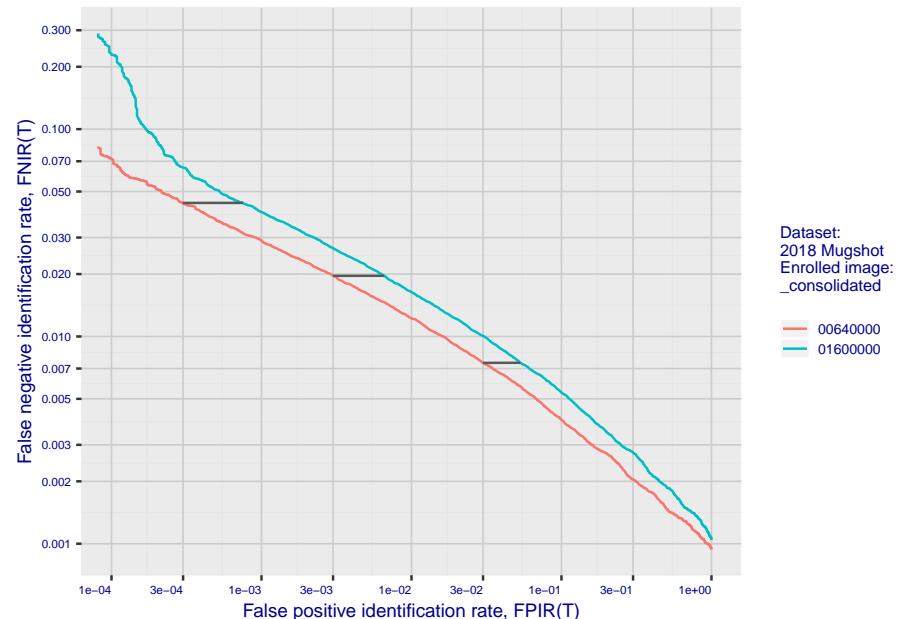
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

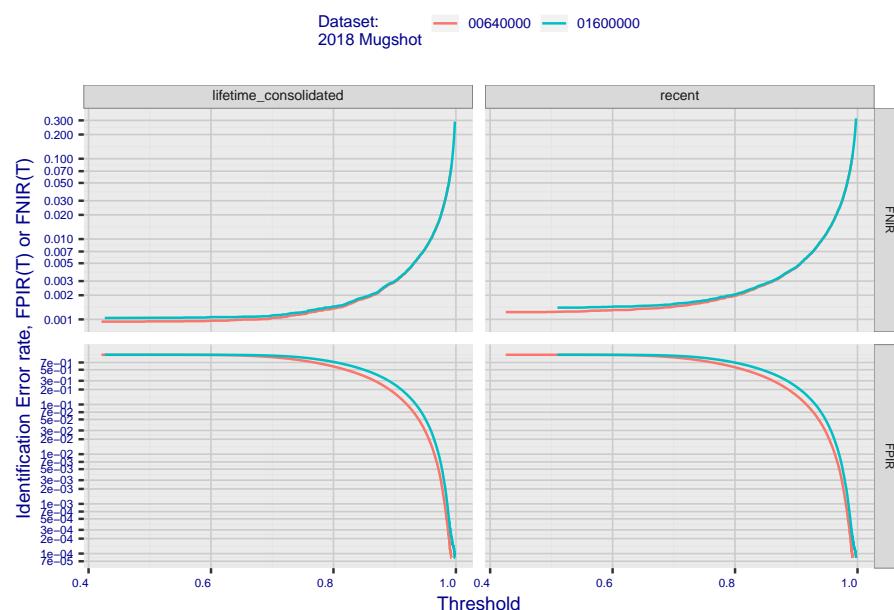


**Fig 4: DET for various N. Links connect points of equal threshold.**

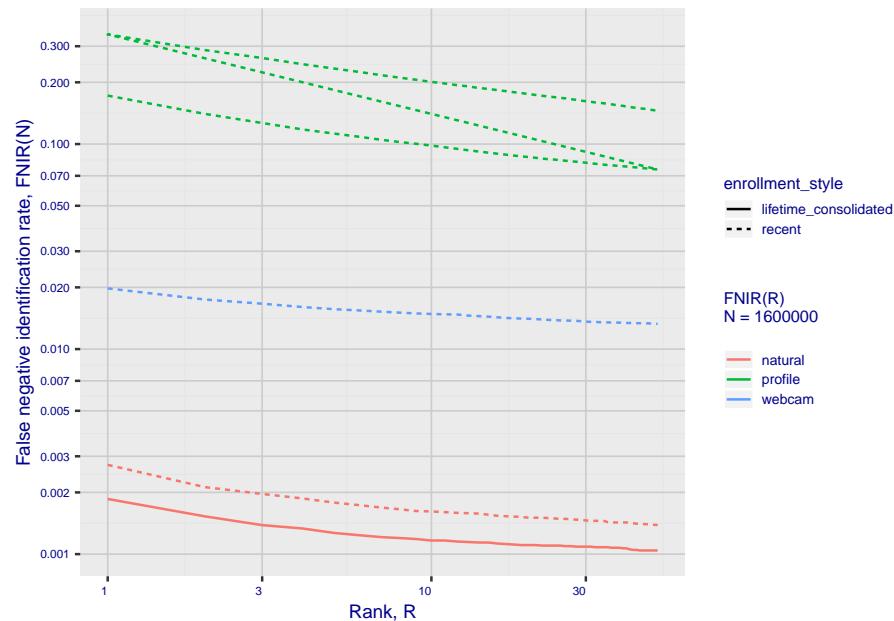


## 2. Report for algorithm visionlabs\_4 2020-03-20 13:22:24

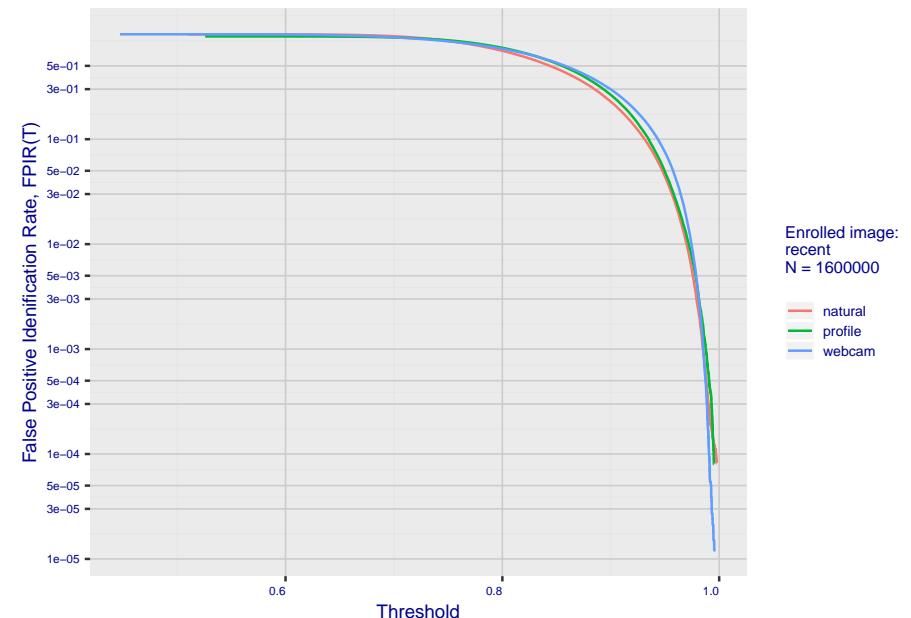
**Fig 5: Dependence on T by number enrolled identities**



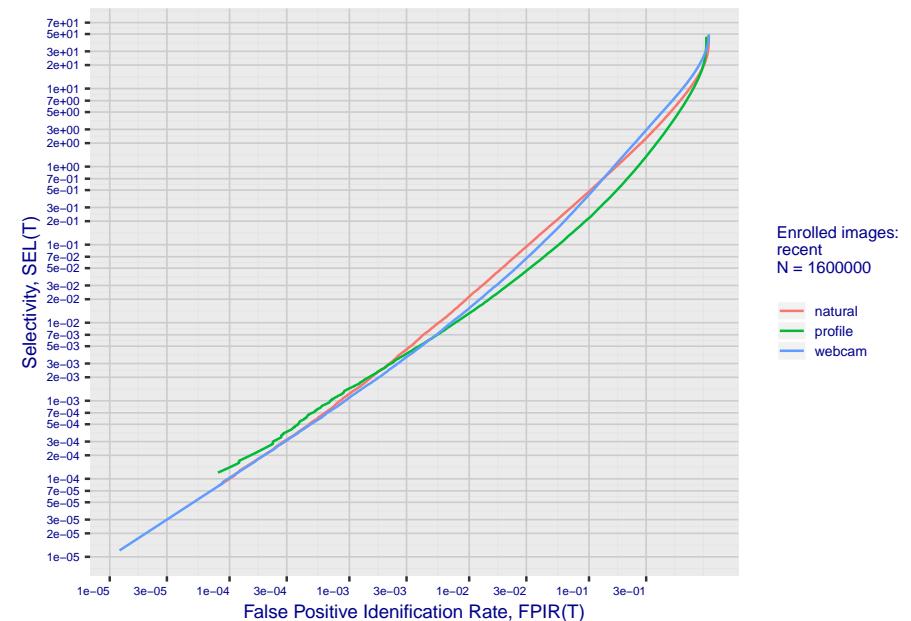
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

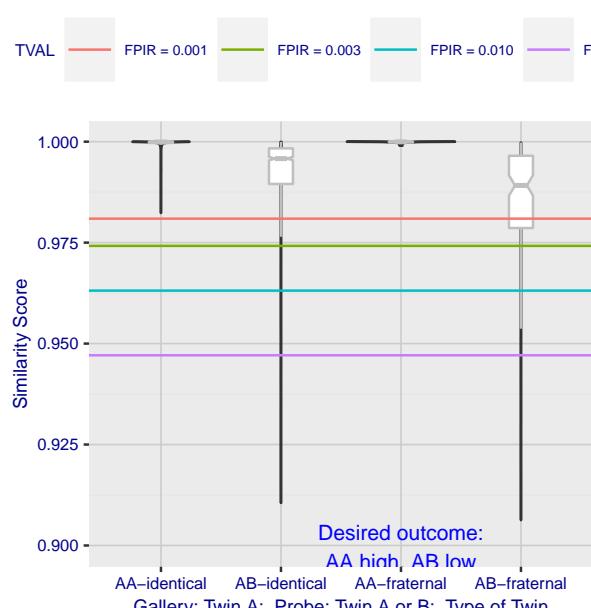


**Fig 8: FPIR vs. Selectivity**

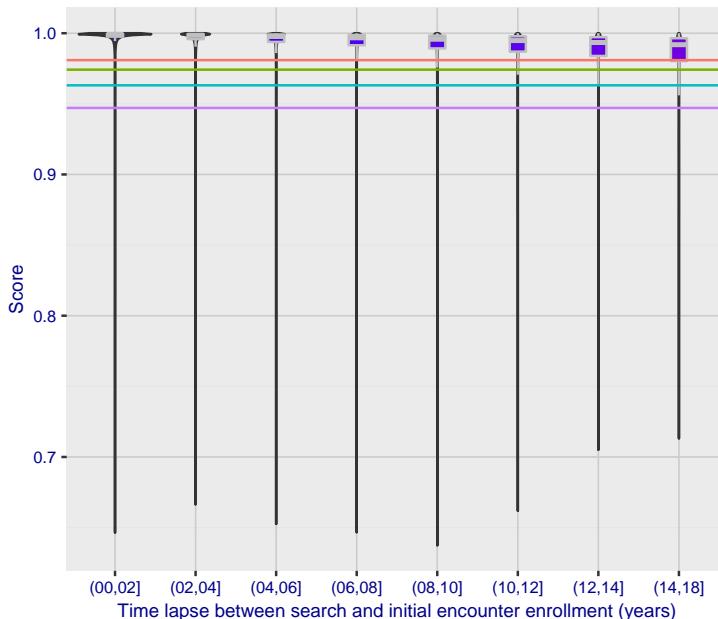


### 3. Report for algorithm visionlabs\_4 2020-03-20 13:22:24

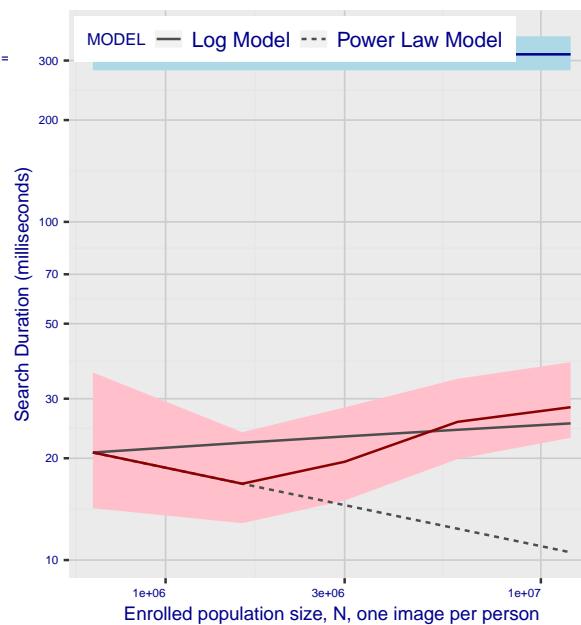
**Fig 9: Solo-Twin and Twin-Twin similarity scores**



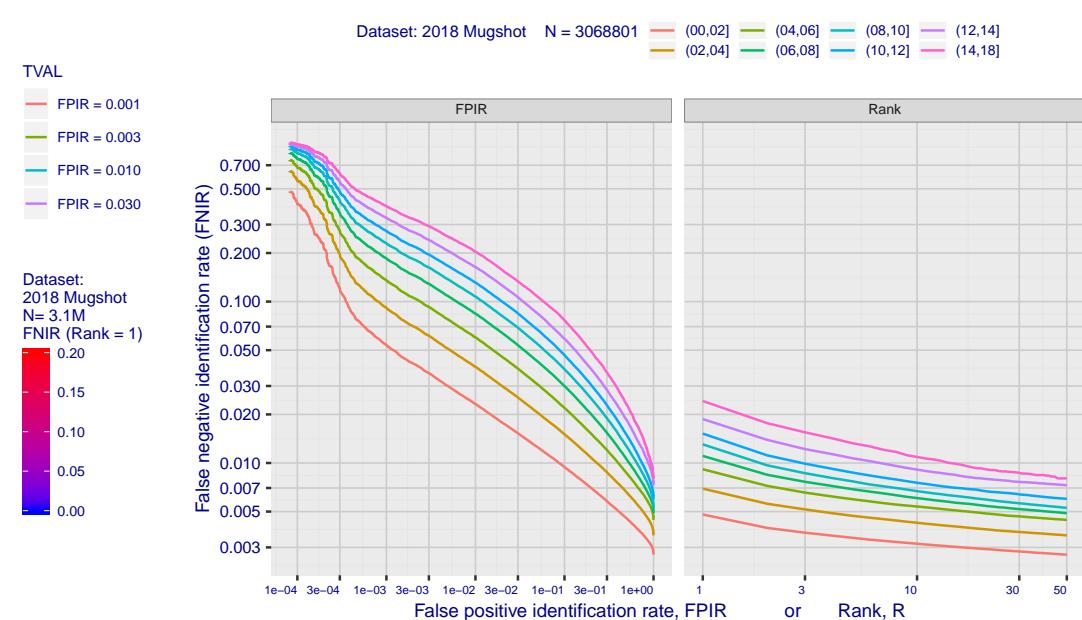
**Fig 12: Decline of genuine scores with ageing**



**Fig 10: Template duration; search duration vs. N**



**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

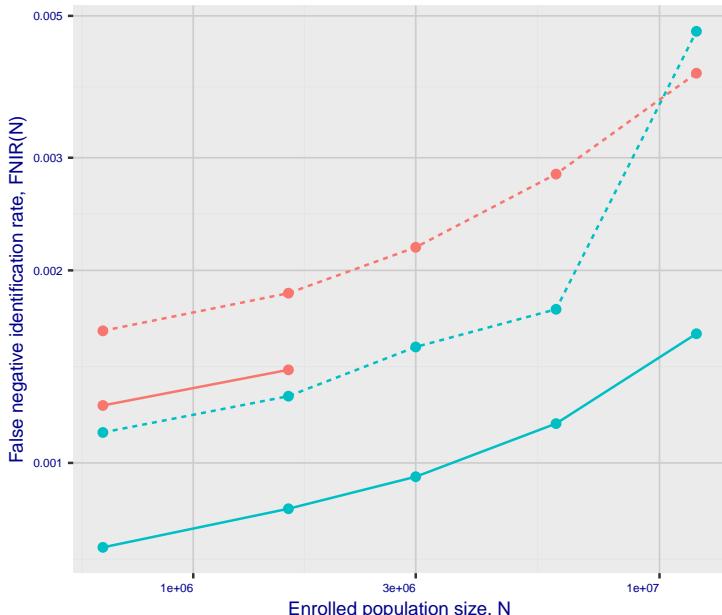


**Fig 11: Datasheet**

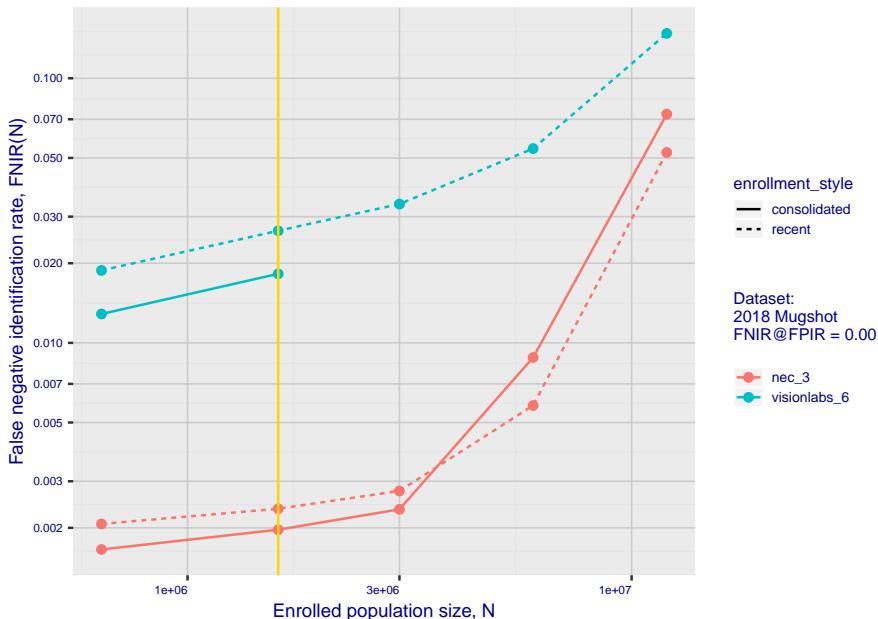
Algorithm:	visionlabs_4
Developer:	VisionLabs
Submission Date:	2018_06_22
Template size:	256 bytes
Template time (2.5 percentile):	281 msec
Template time (median):	313 msec
Template time (97.5 percentile):	354 msec
Investigation rank 28 --- FNIR(1600000, 0, 1) = 0.0027 vs. lowest 0.0010 from sensetime_003	
Identification rank 73 --- FNIR(1600000, T, L+1) = 0.0577	
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm visionlabs\_6 2020-03-20 13:22:43

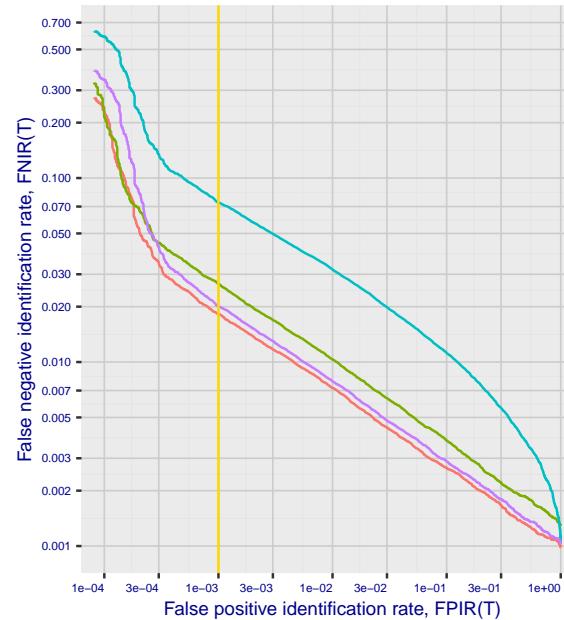
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



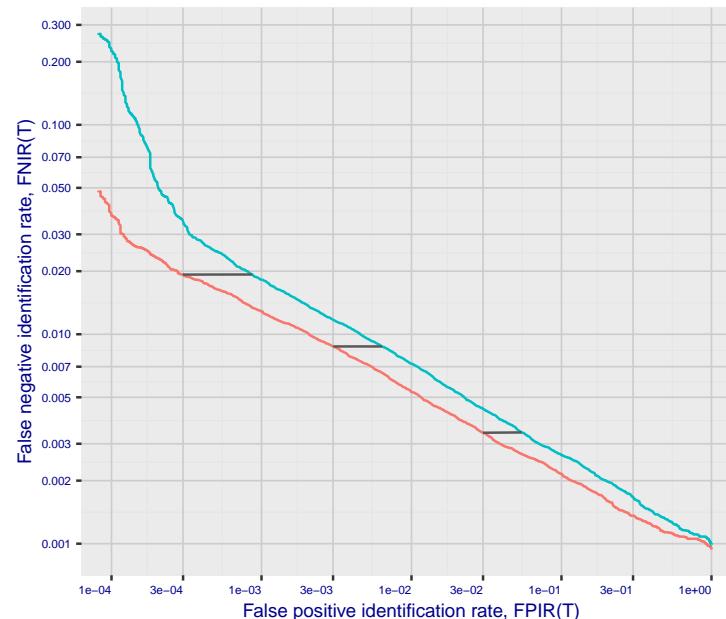
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**



Dataset:  
2018 Mugshot  
FNIR@FPIR = 0.001  
N=1600000

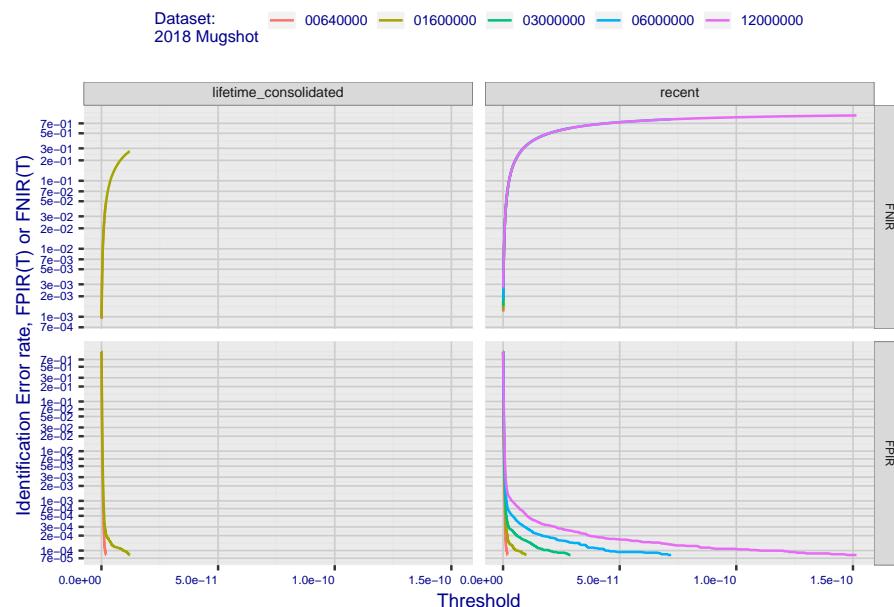
0.0182 consolidated-ONLY-MATE  
0.0265 recent-ONLY-MATE  
0.0737 unconsolidated-ALL-MATES  
0.0201 unconsolidated-ANY-MATE

Dataset:  
2018 Mugshot  
Enrolled image:  
\_consolidated

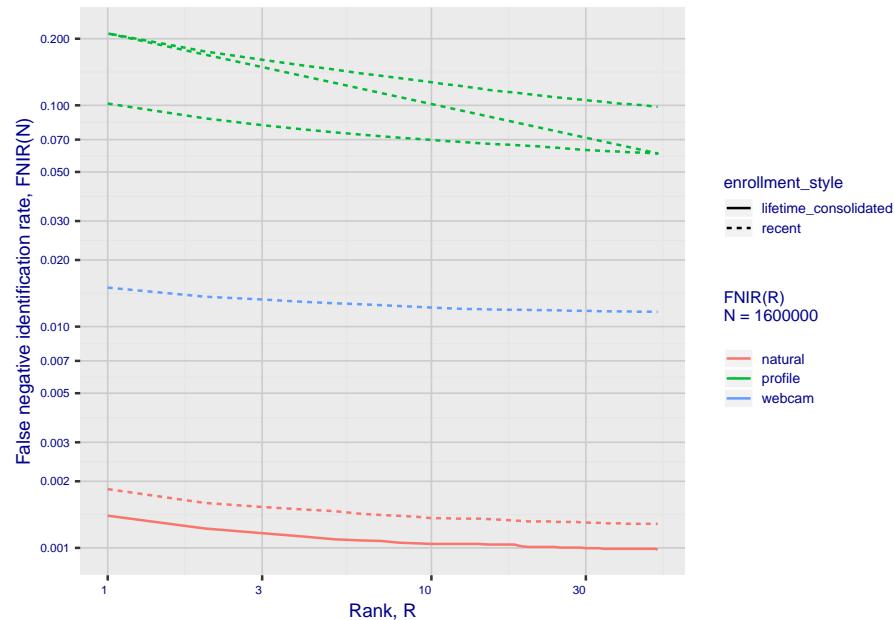
00640000  
01600000

## 2. Report for algorithm visionlabs\_6 2020-03-20 13:22:43

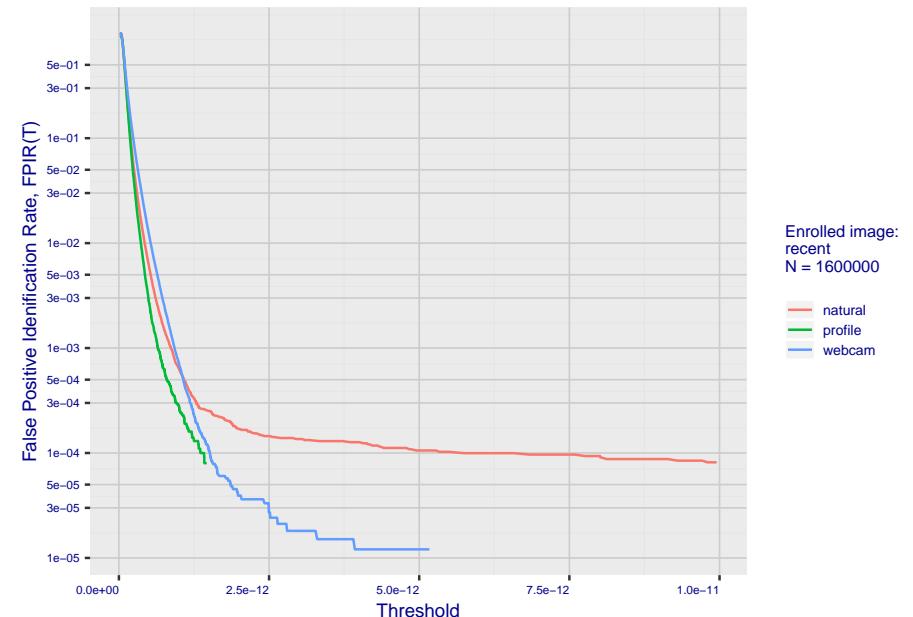
**Fig 5: Dependence on T by number enrolled identities**



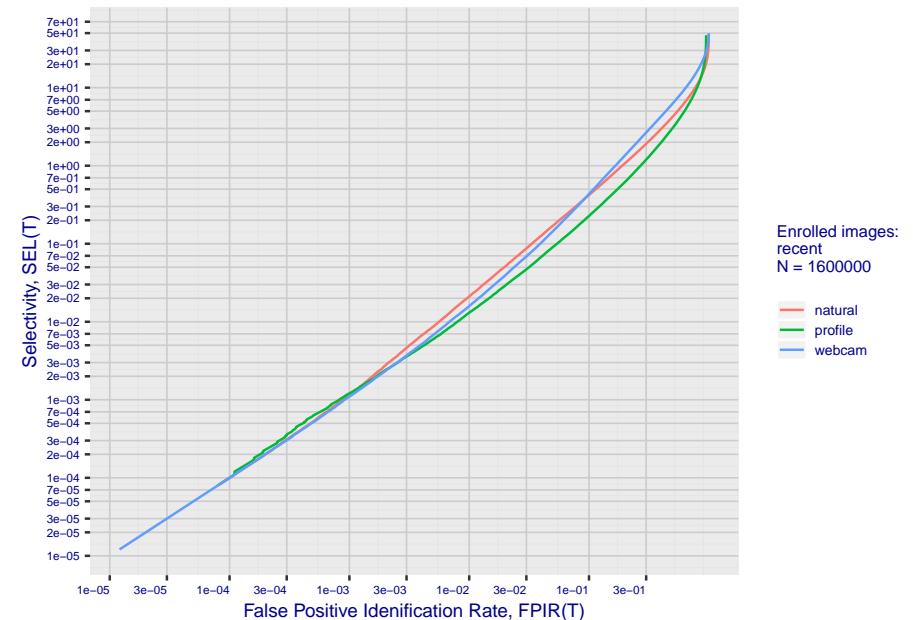
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

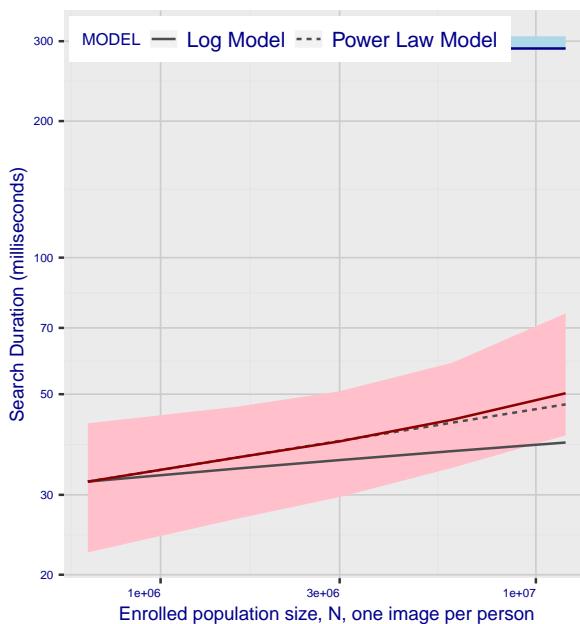


**Fig 8: FPIR vs. Selectivity**

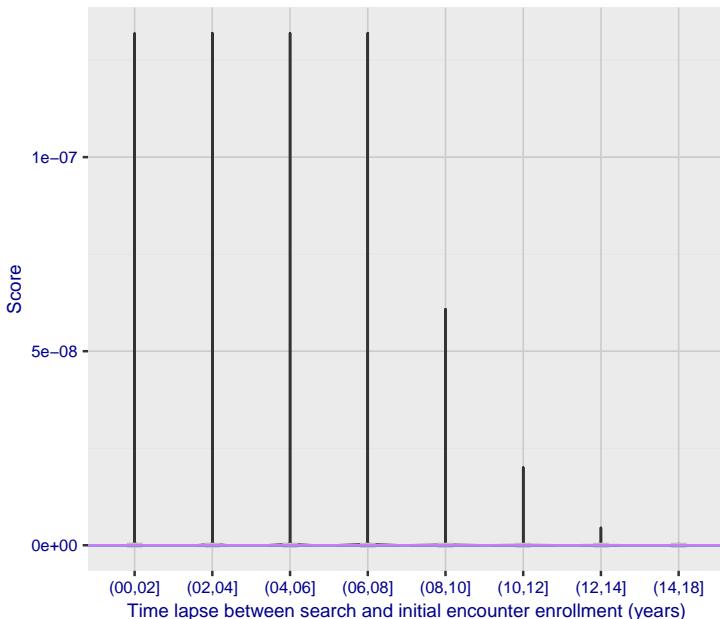


### 3. Report for algorithm visionlabs\_6 2020-03-20 13:22:43

**Fig 10: Template duration; search duration vs. N**



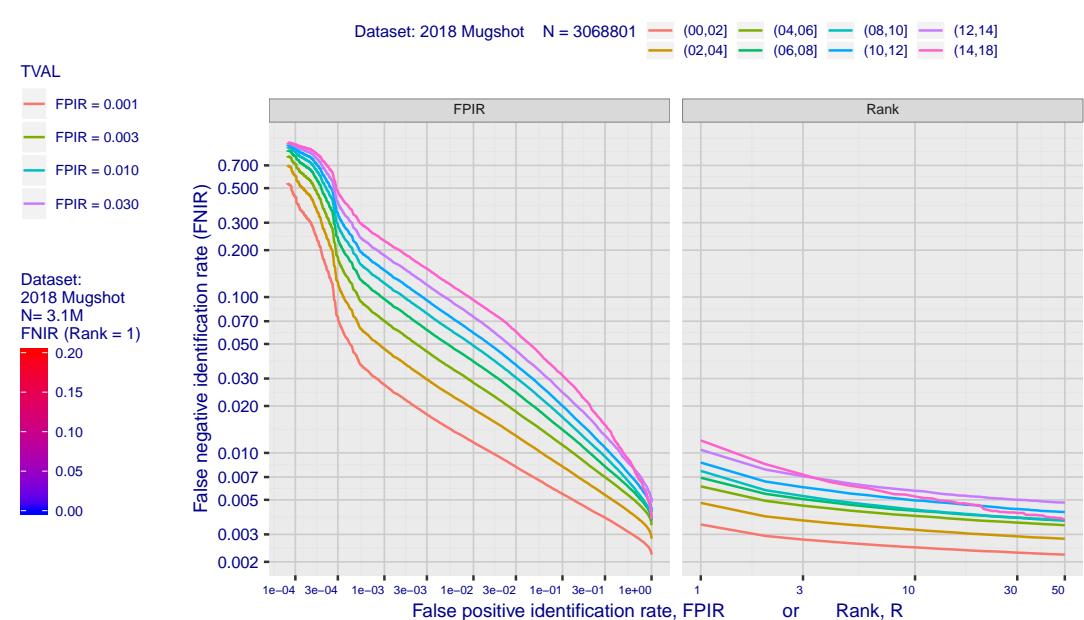
**Fig 12: Decline of genuine scores with ageing**



**Fig 11: Datasheet**

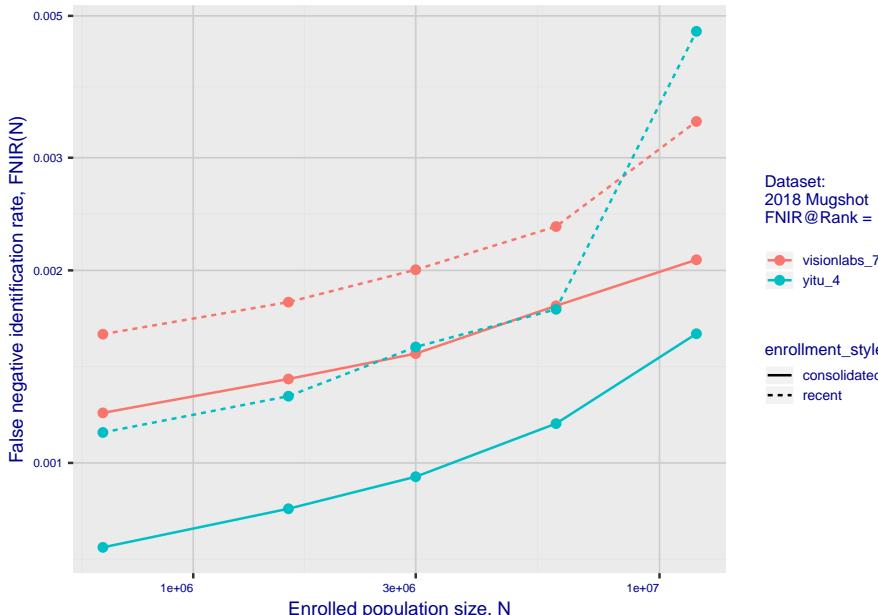
Algorithm: visionlabs_6
Developer: VisionLabs
Submission Date: 2018_10_30
Template size: 512 bytes
Template time (2.5 percentile): 289 msec
Template time (median): 289 msec
Template time (97.5 percentile): 308 msec
Investigation rank 14 --- FNIR(1600000, 0, 1) = 0.0018 vs. lowest 0.0010 from sensetime_003
Identification rank 28 --- FNIR(1600000, T, L+1) = 0.0265
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003

**Fig 13: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing**

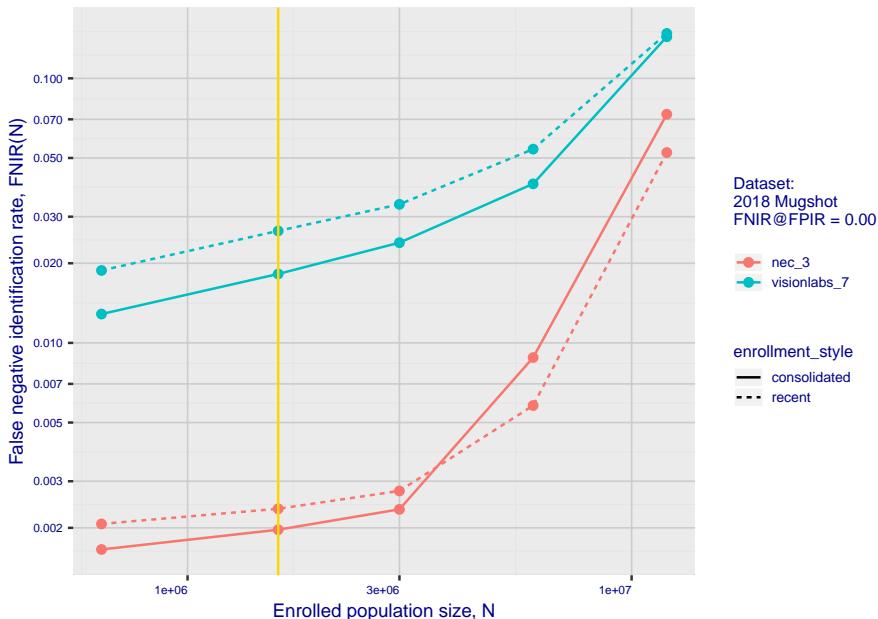


# 1. Report for algorithm visionlabs\_7 2020-03-20 13:17:10

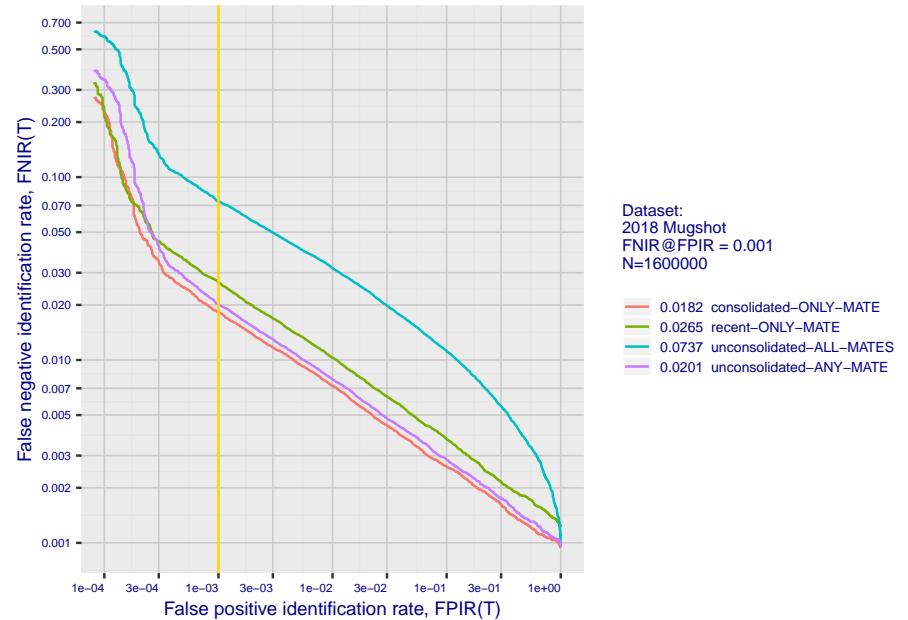
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



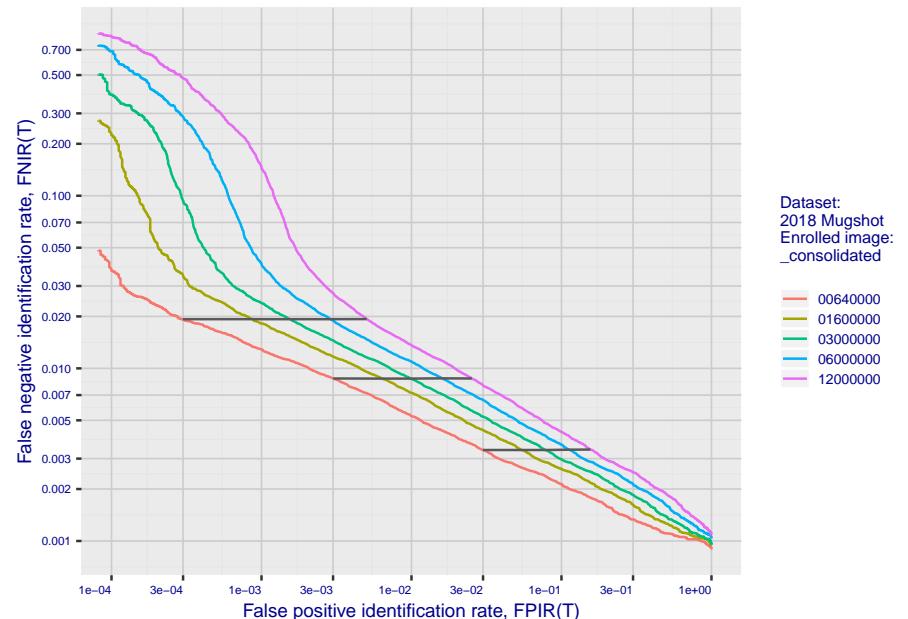
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

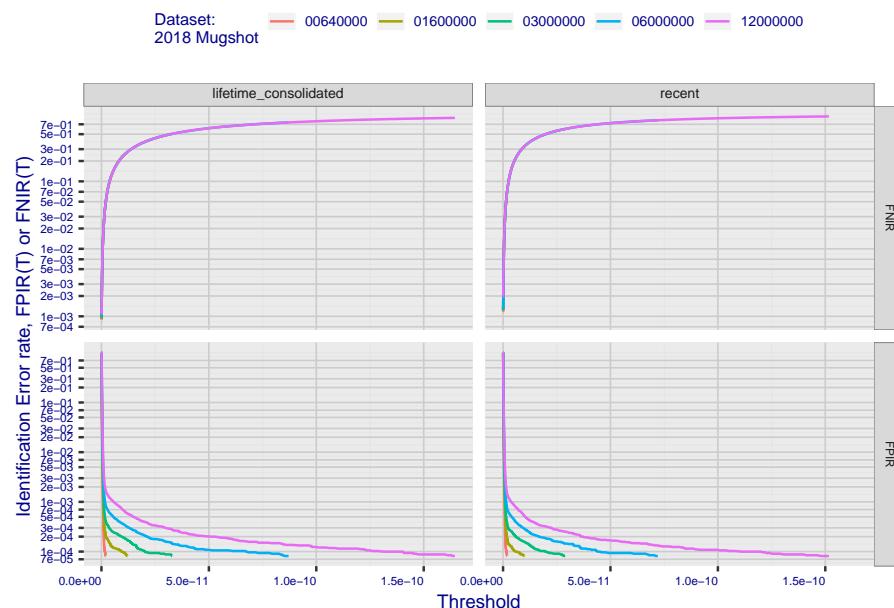


**Fig 4: DET for various N. Links connect points of equal threshold.**

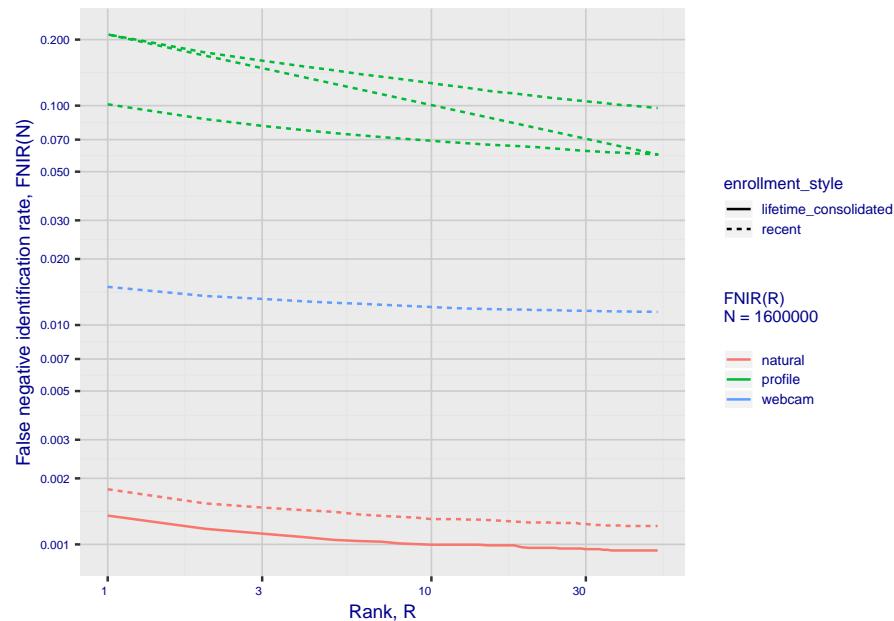


## 2. Report for algorithm visionlabs\_7 2020-03-20 13:17:10

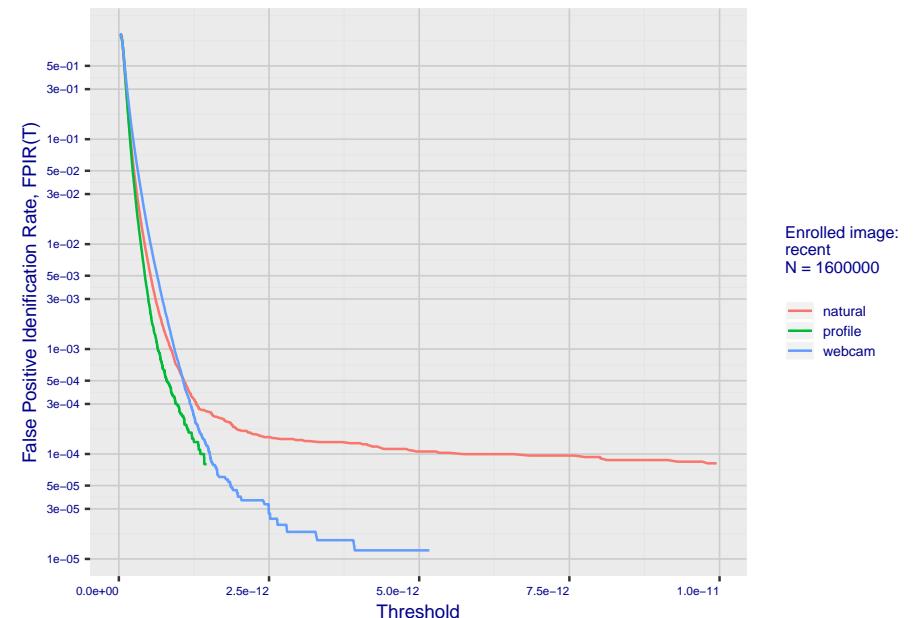
**Fig 5: Dependence on T by number enrolled identities**



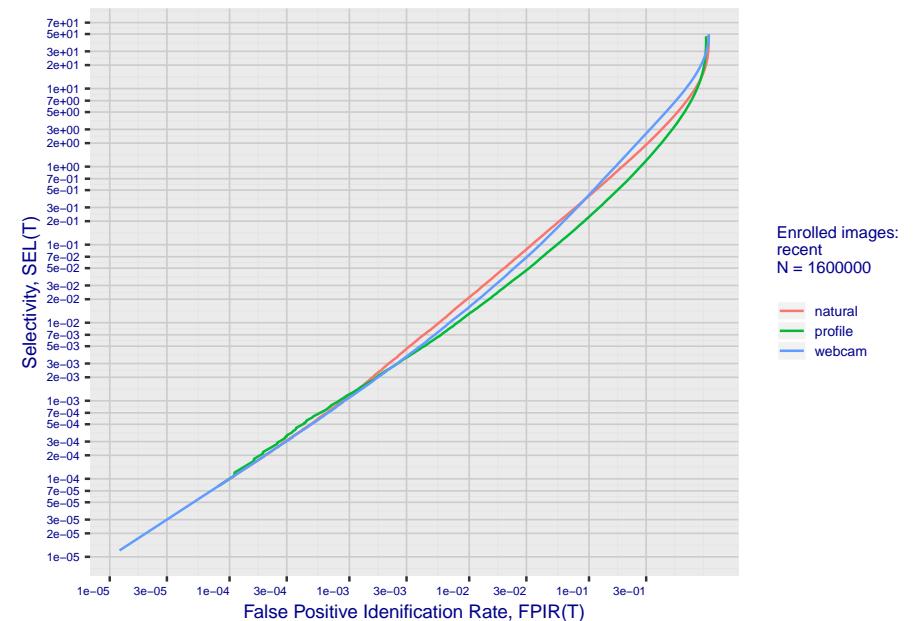
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**

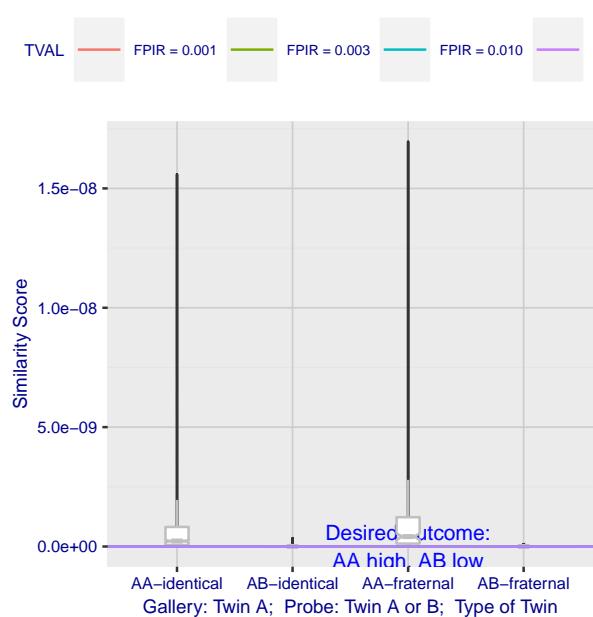


**Fig 8: FPIR vs. Selectivity**

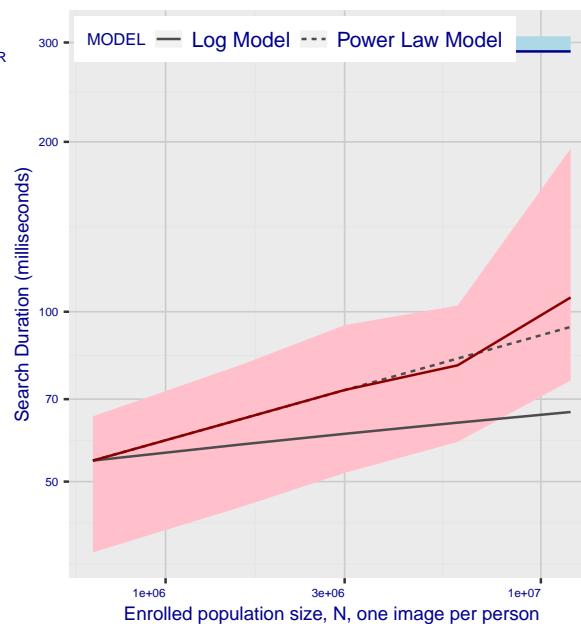


### 3. Report for algorithm visionlabs\_7 2020-03-20 13:17:10

**Fig 9: Solo-Twin and Twin-Twin similarity scores**



**Fig 10: Template duration; search duration vs. N**

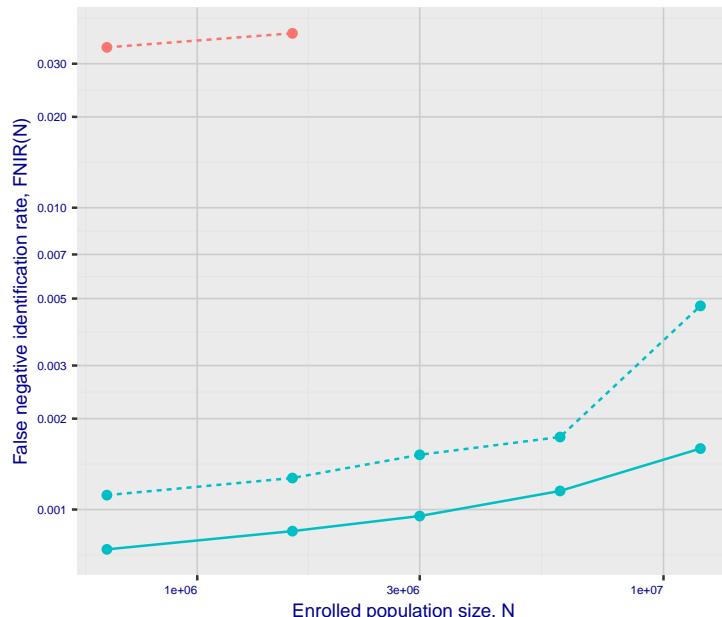


**Fig 11: Datasheet**

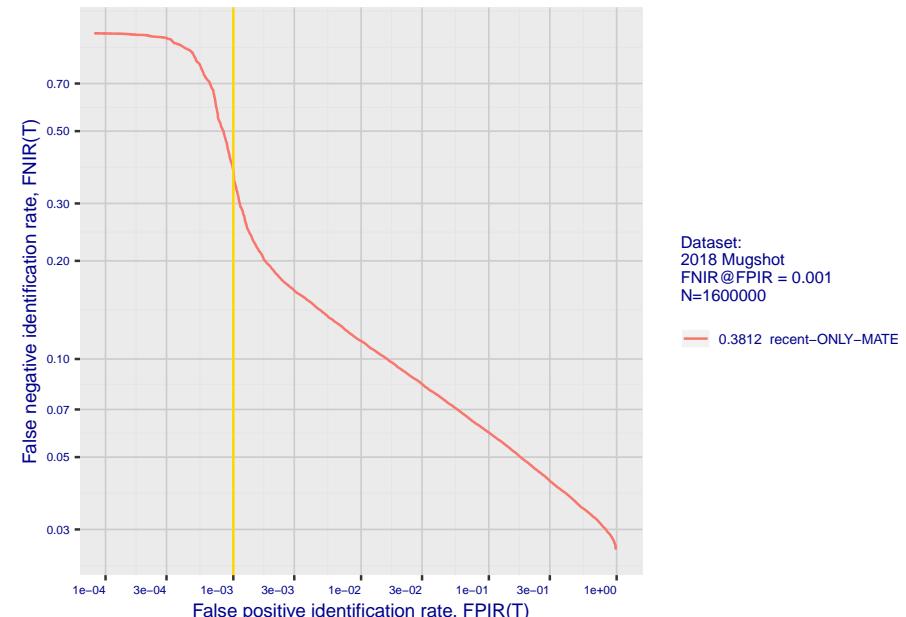
Algorithm:	visionlabs_7
Developer:	VisionLabs
Submission Date:	2018_10_30
Template size:	512 bytes
Template time (2.5 percentile):	289 msec
Template time (median):	289 msec
Template time (97.5 percentile):	308 msec
Investigation rank 10 -- FNIR(1600000, 0, 1) = 0.0018 vs. lowest 0.0010 from sensetime_003	
Identification rank 27 -- FNIR(1600000, T, L+1) = 0.0265	
FPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm vocord\_0 2020-03-20 13:20:39

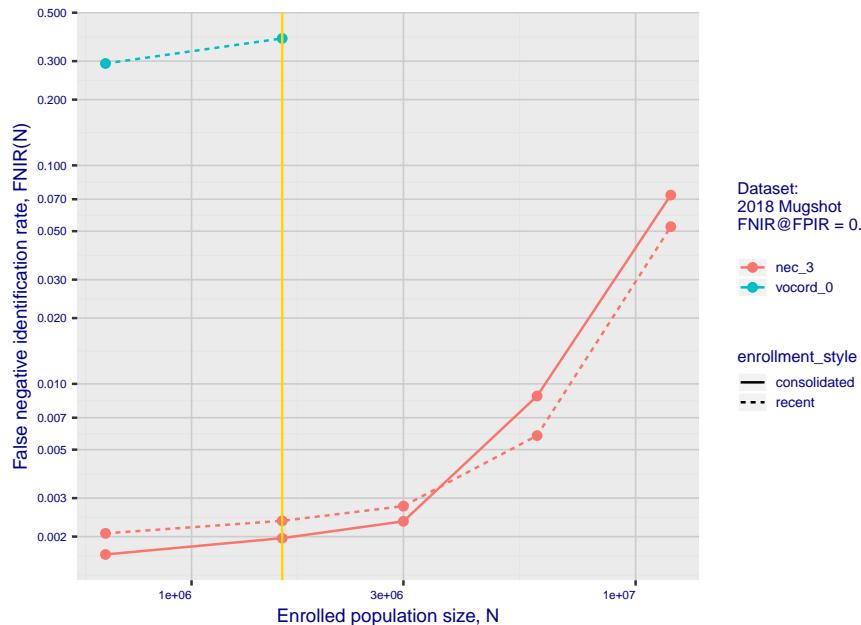
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



**Fig 2: DETs by enrollment type**

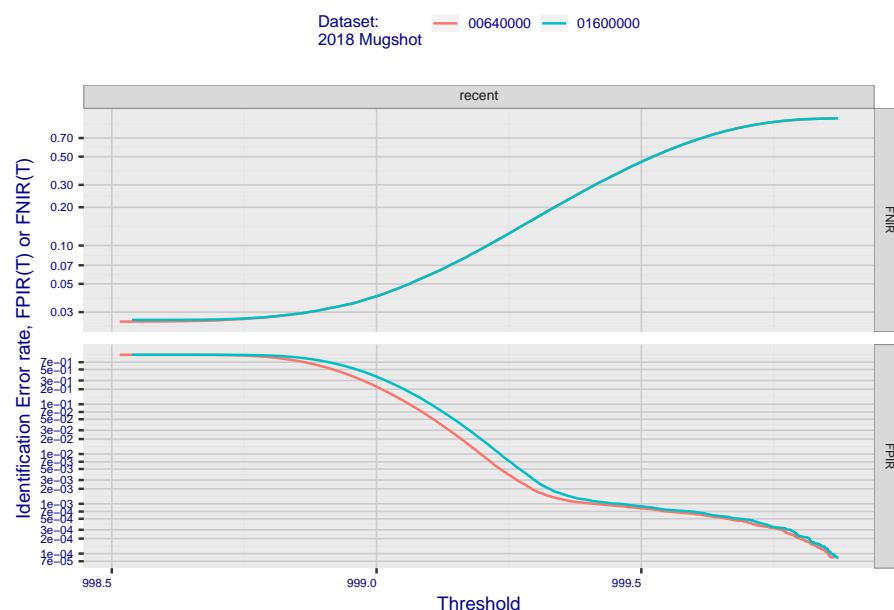


**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

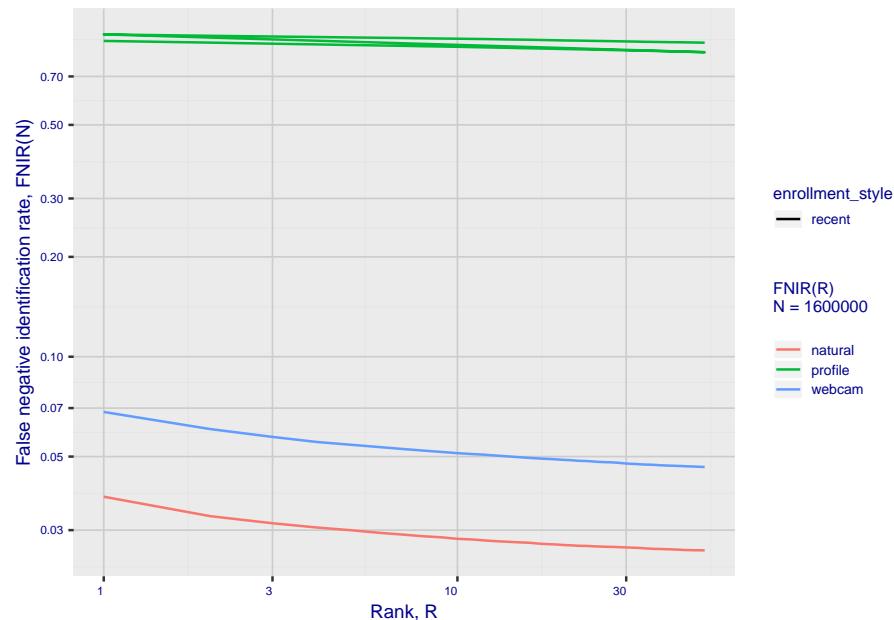


## 2. Report for algorithm vocord\_0 2020-03-20 13:20:39

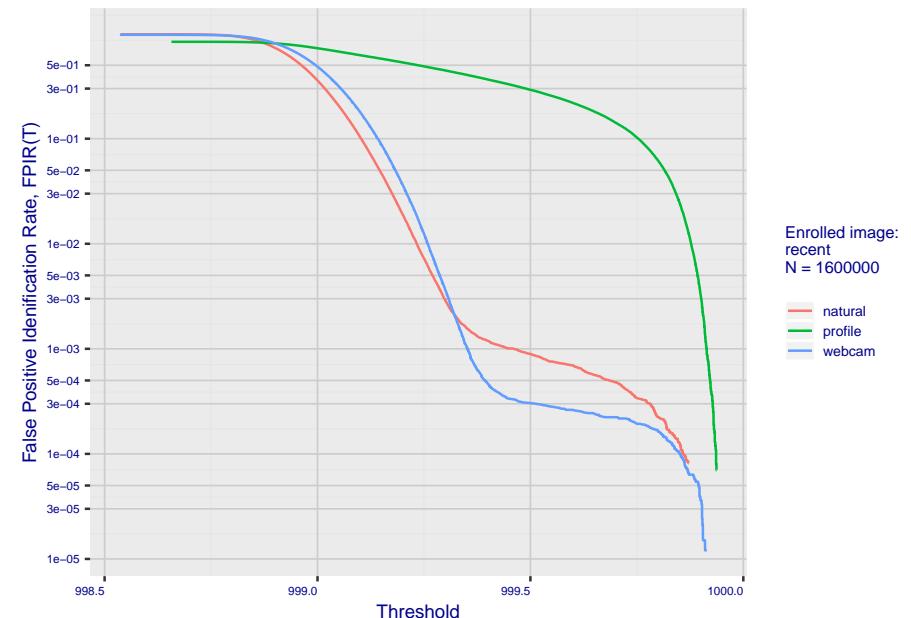
**Fig 5: Dependence on T by number enrolled identities**



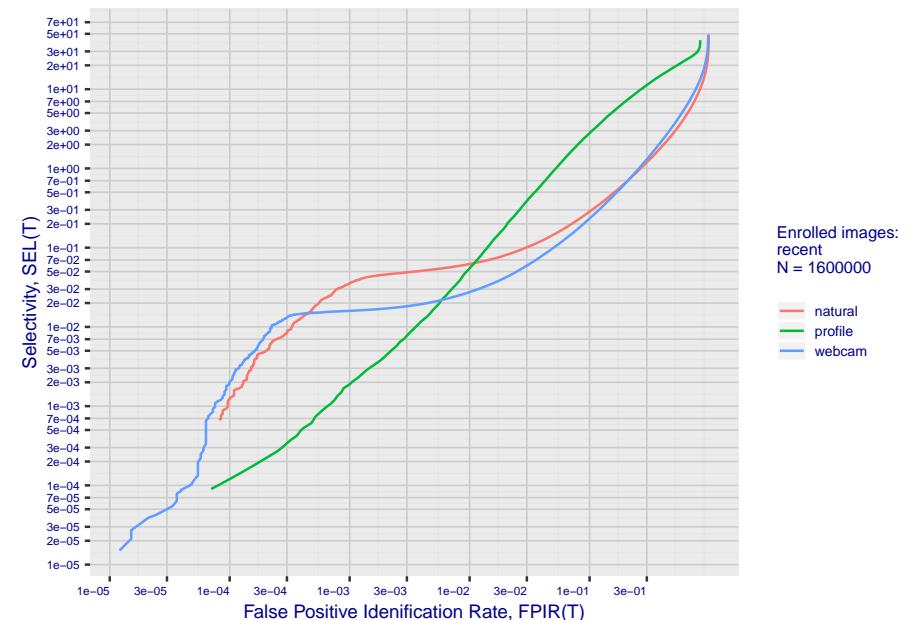
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm vocord\_0 2020-03-20 13:20:39

Fig 10: Template duration; search duration vs. N

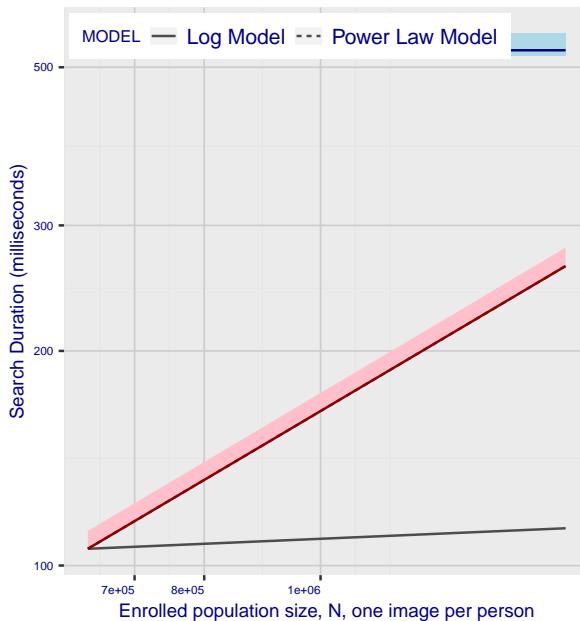
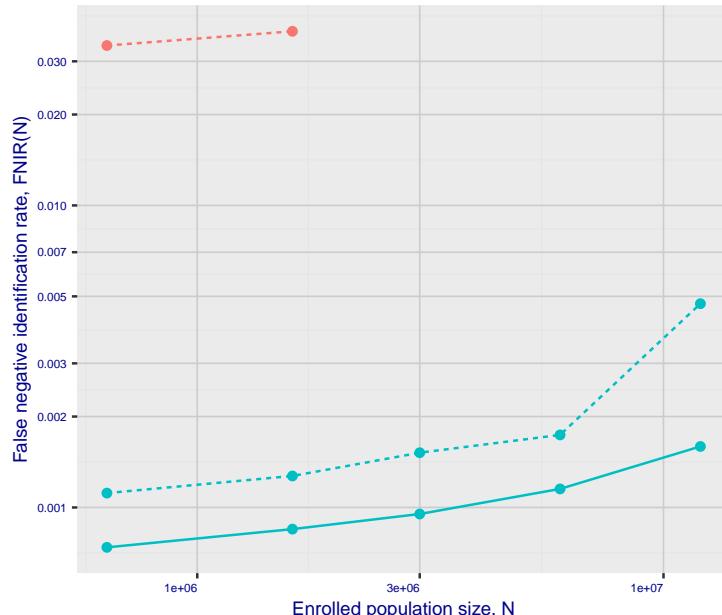


Fig 11: Datasheet

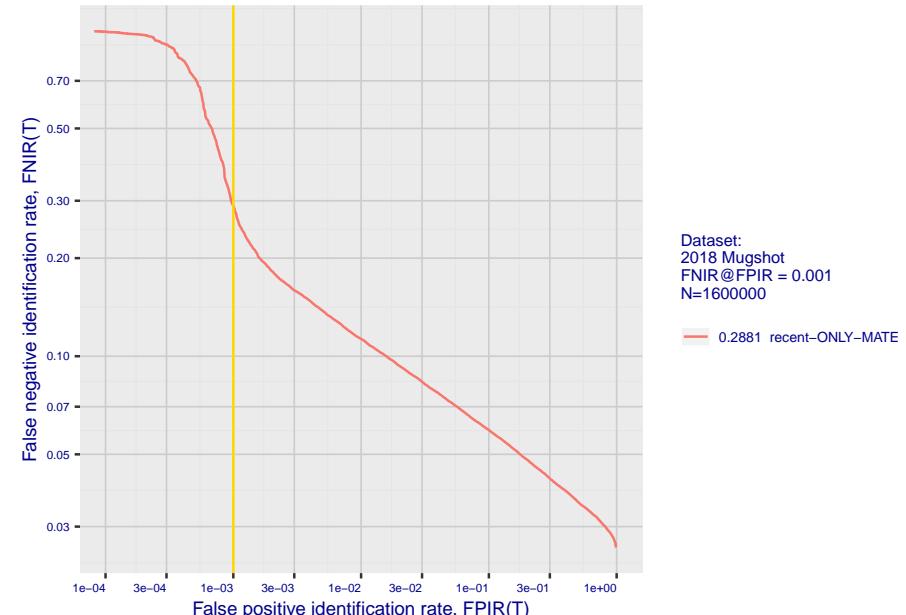
Algorithm:	vocord_0
Developer:	Vocord
Submission Date:	2018_02_16
Template size:	608 bytes
Template time (2.5 percentile):	518 msec
Template time (median):	528 msec
Template time (97.5 percentile):	558 msec
Investigation rank 158 -- FNIR(160000, 0, 1) = 0.0378 vs. lowest 0.0010 from sensetime_003	
Identification rank 177 -- FNIR(160000, T, L+1) = 0.3812	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm vocord\_1 2020-03-20 13:24:18

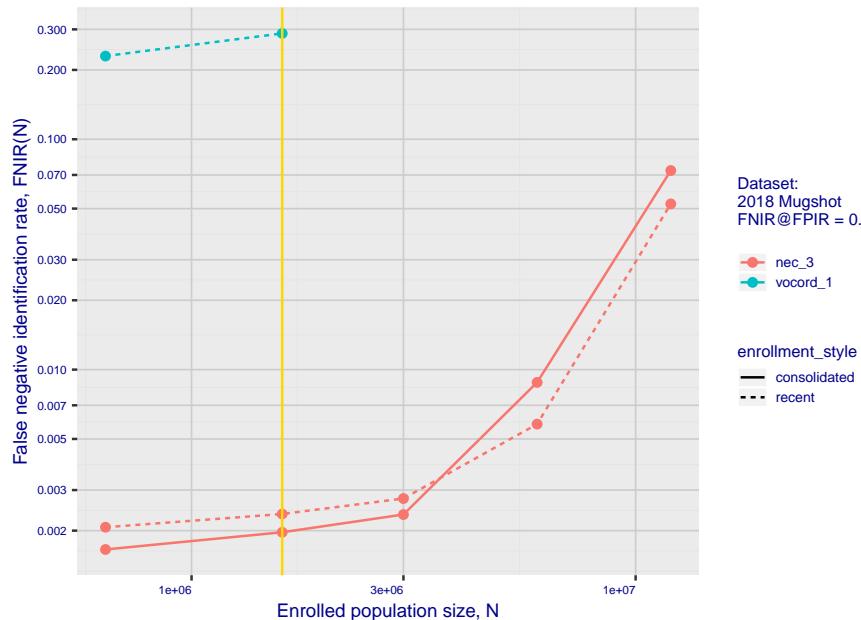
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



**Fig 2: DETs by enrollment type**

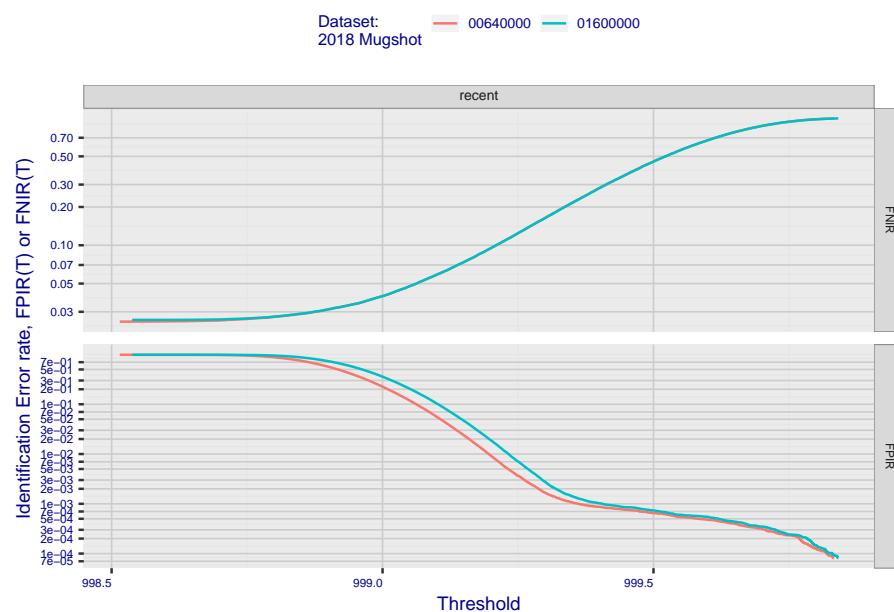


**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

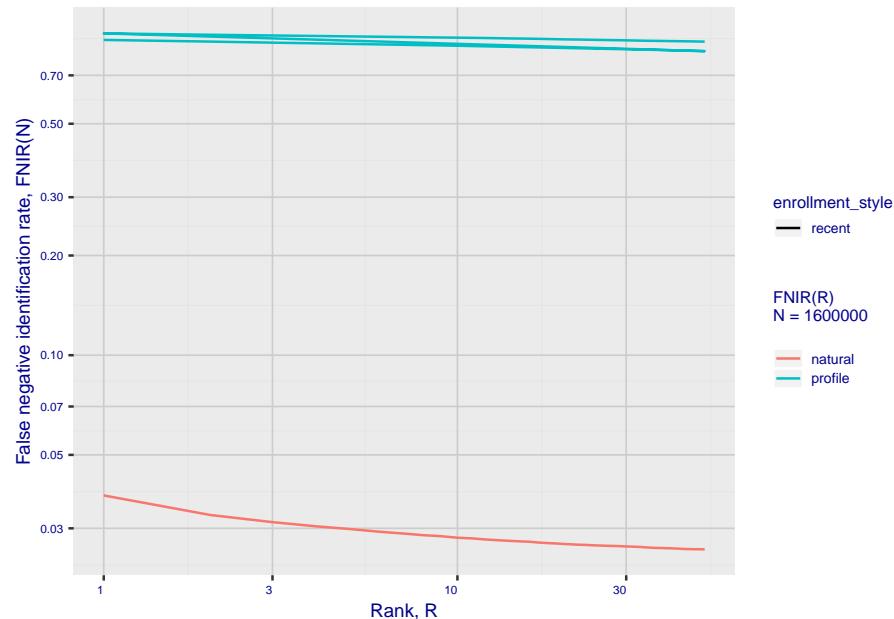


## 2. Report for algorithm vocord\_1 2020-03-20 13:24:18

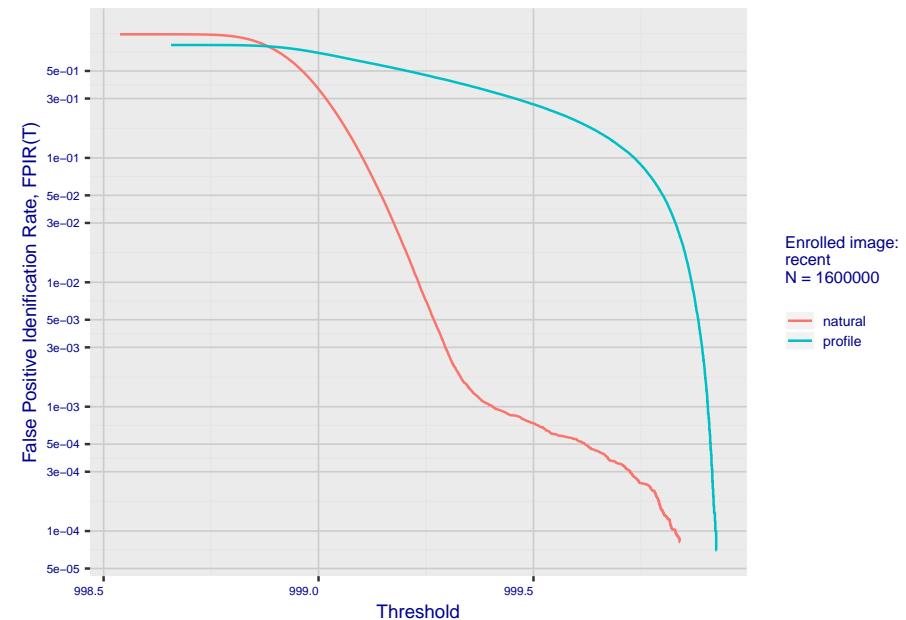
**Fig 5: Dependence on T by number enrolled identities**



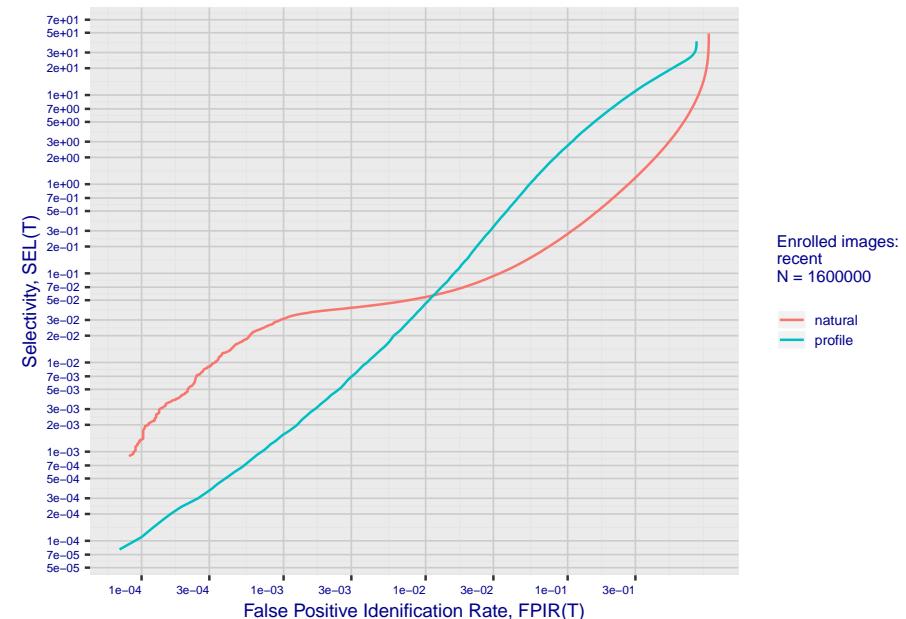
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm vocord\_1 2020-03-20 13:24:18

Fig 10: Template duration; search duration vs. N

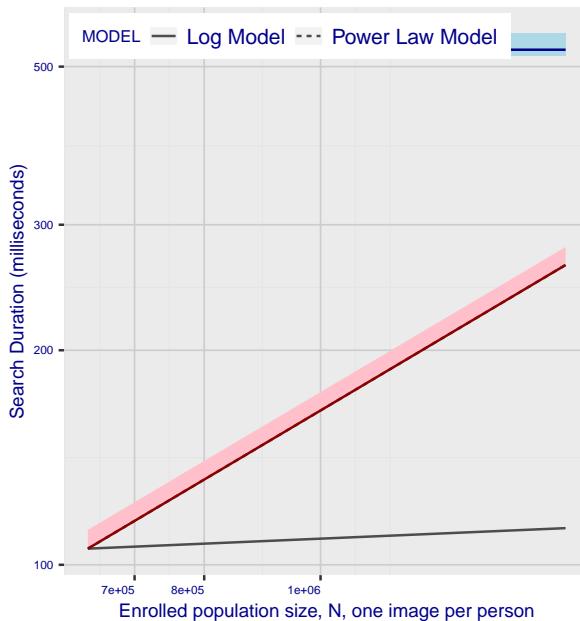
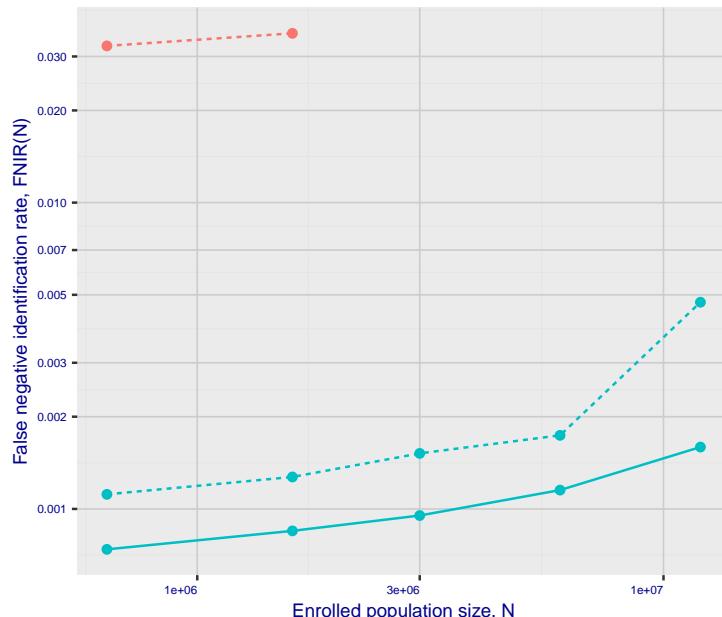


Fig 11: Datasheet

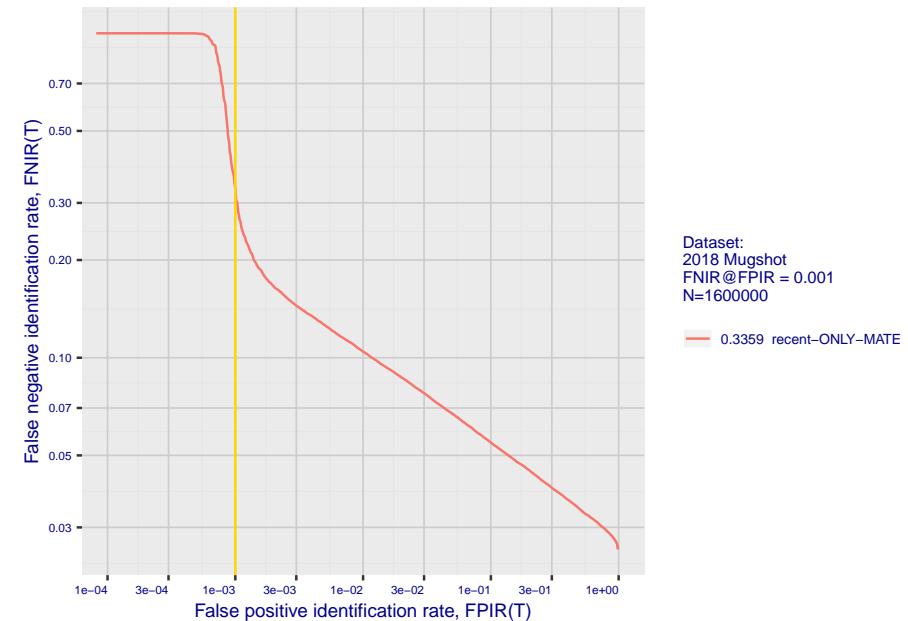
Algorithm:	vocord_1
Developer:	Vocord
Submission Date:	2018_02_16
Template size:	608 bytes
Template time (2.5 percentile):	518 msec
Template time (median):	528 msec
Template time (97.5 percentile):	557 msec
Investigation rank 157 -- FNIR(160000, 0, 1) = 0.0377 vs. lowest 0.0010 from sensetime_003	
Identification rank 163 -- FNIR(160000, T, L+1) = 0.2881	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

## 1. Report for algorithm vocord\_2 2020-03-20 13:23:51

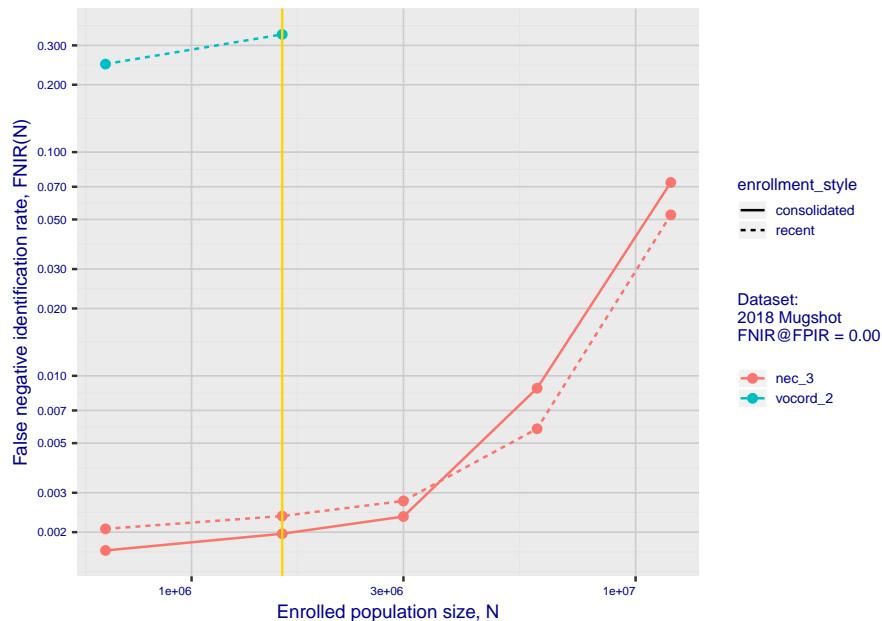
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



**Fig 2: DETs by enrollment type**

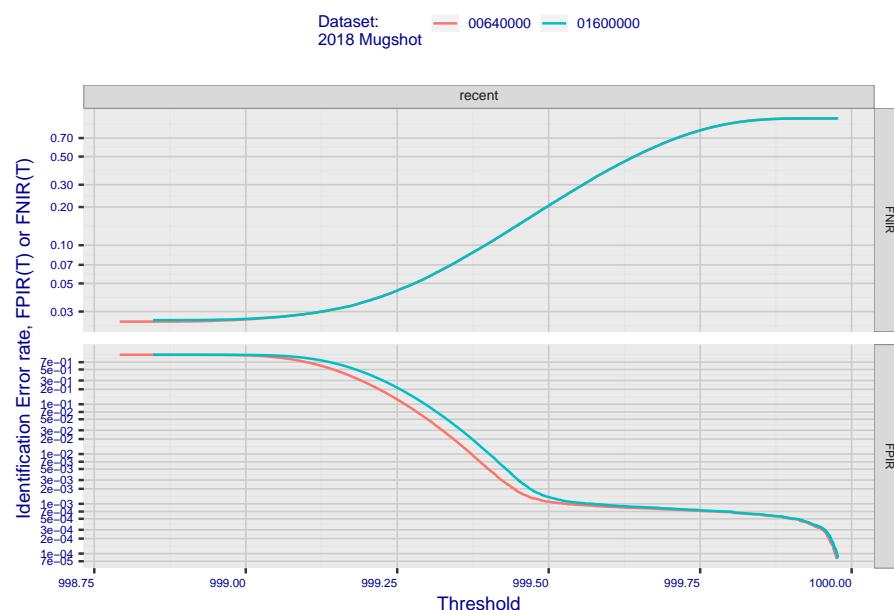


**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

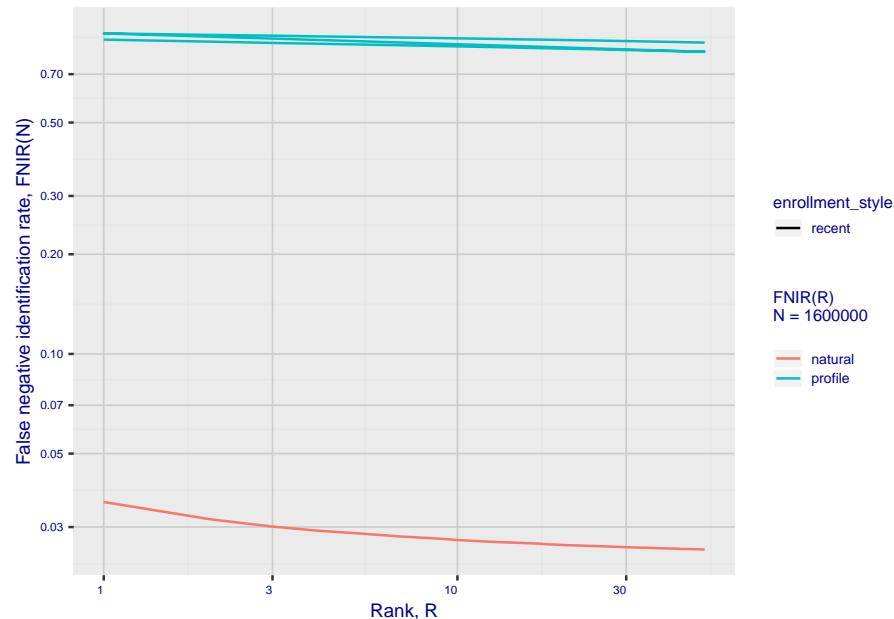


## 2. Report for algorithm vocord\_2 2020-03-20 13:23:51

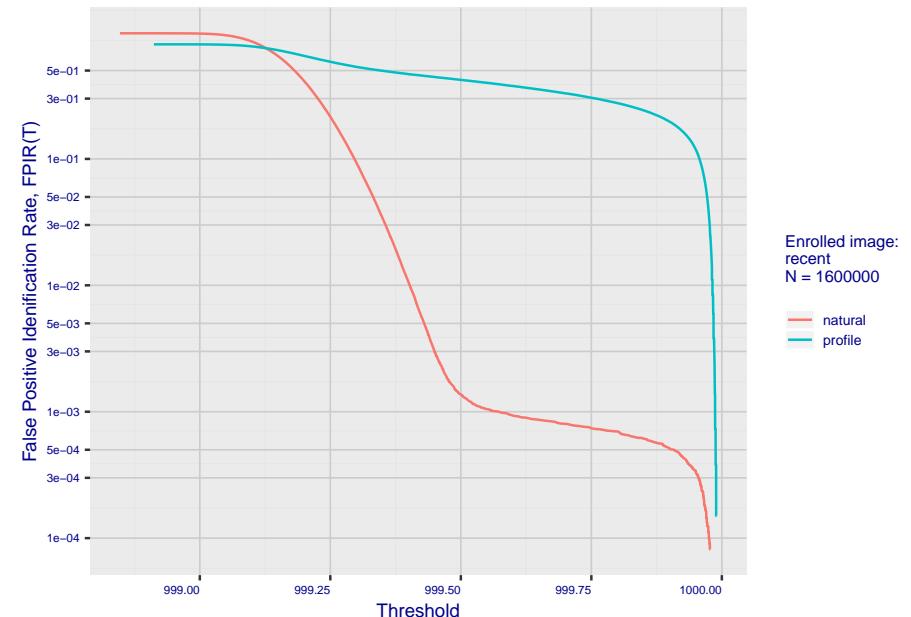
**Fig 5: Dependence on T by number enrolled identities**



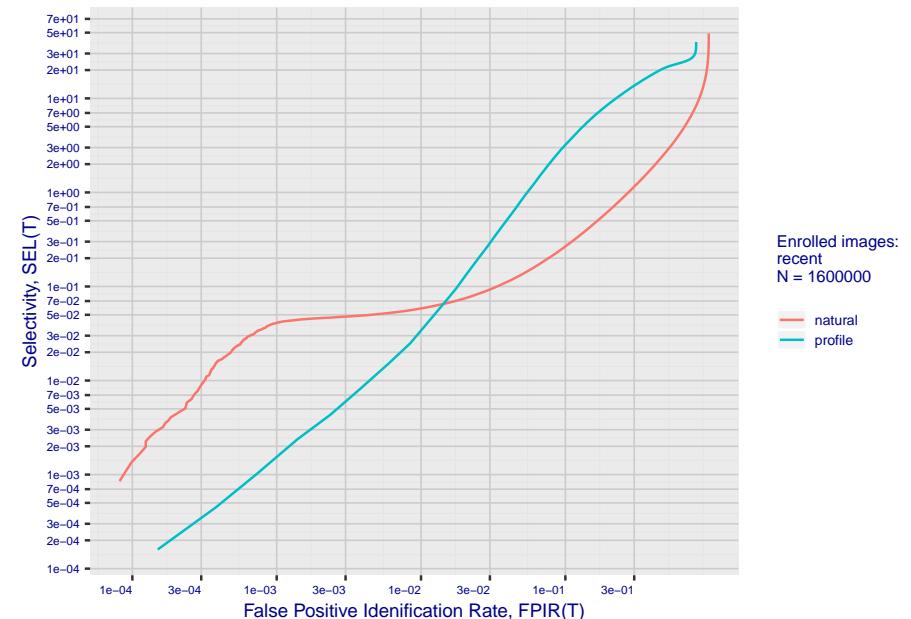
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm vocord\_2 2020-03-20 13:23:51

Fig 10: Template duration; search duration vs. N

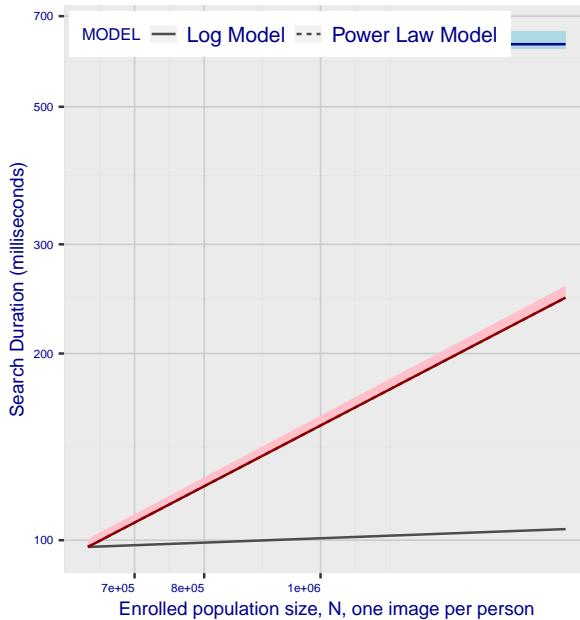
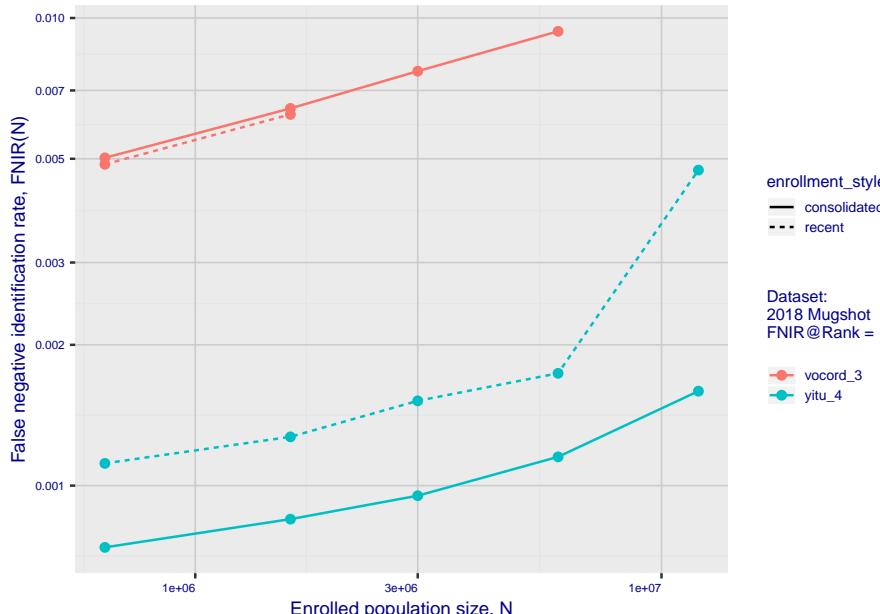


Fig 11: Datasheet

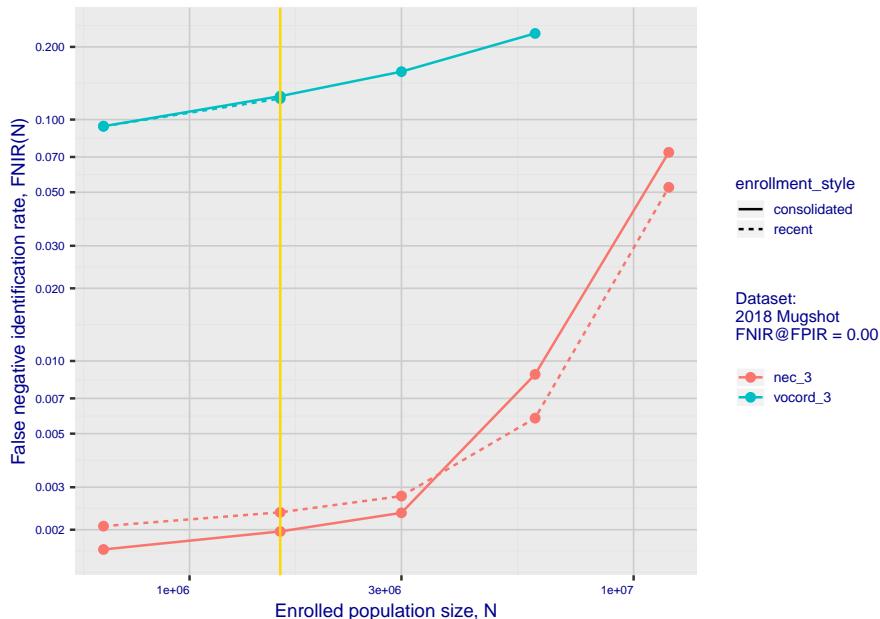
Algorithm:	vocord_2
Developer:	Vocord
Submission Date:	2018_02_16
Template size:	2048 bytes
Template time (2.5 percentile):	621 msec
Template time (median):	631 msec
Template time (97.5 percentile):	662 msec
Investigation rank 155 -- FNIR(160000, 0, 1) = 0.0357 vs. lowest 0.0010 from sensetime_003	
Identification rank 170 -- FNIR(160000, T, L+1) = 0.3359	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm vocord\_3 2020-03-20 13:24:01

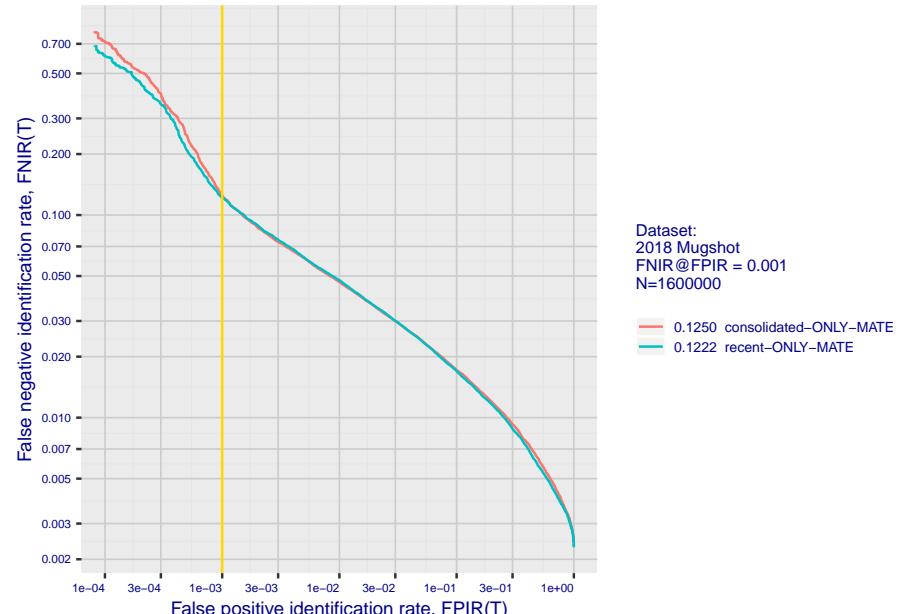
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



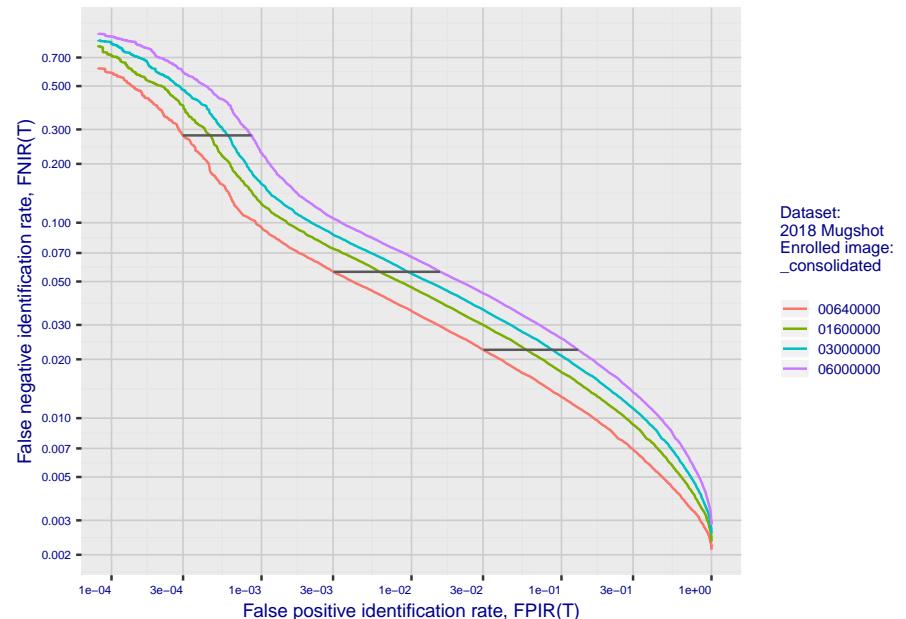
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

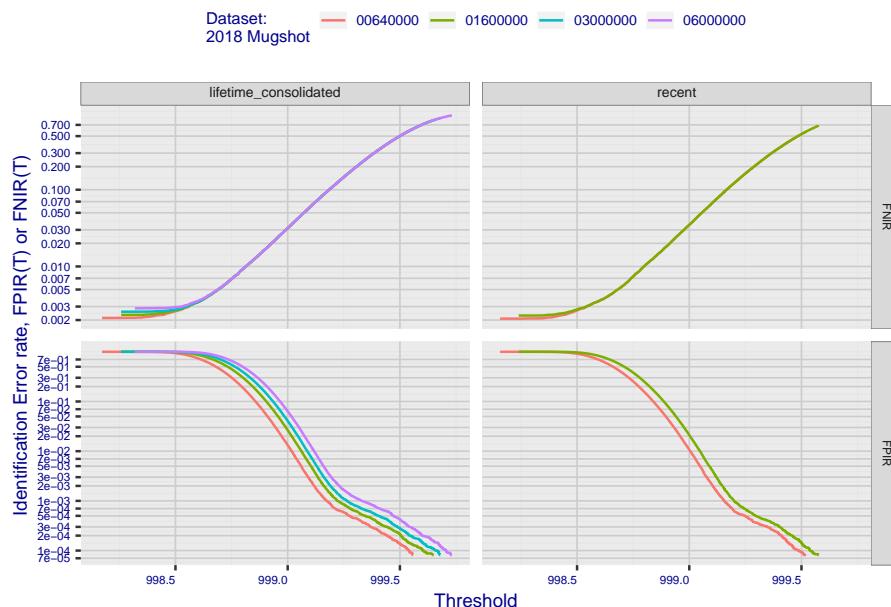


**Fig 4: DET for various N. Links connect points of equal threshold.**

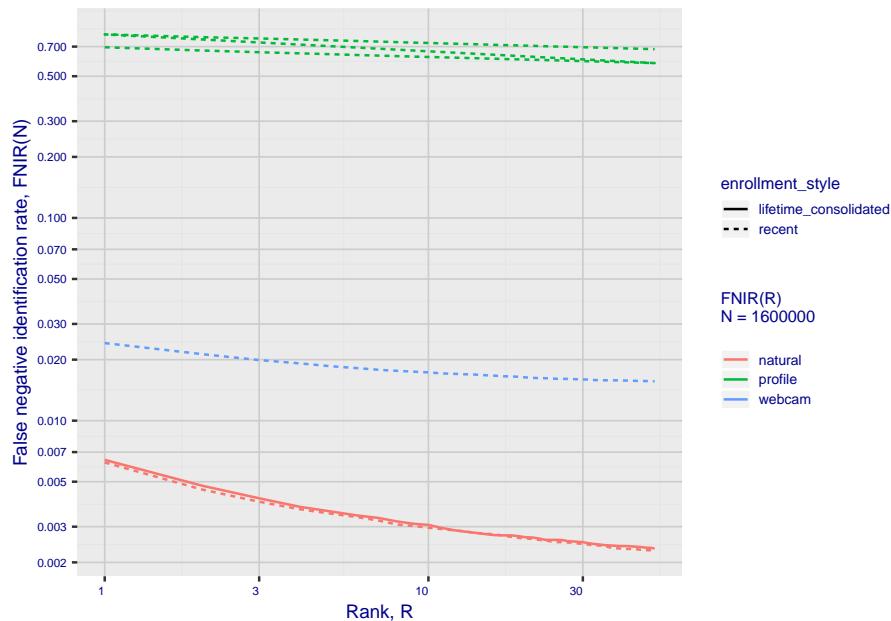


## 2. Report for algorithm vocord\_3 2020-03-20 13:24:01

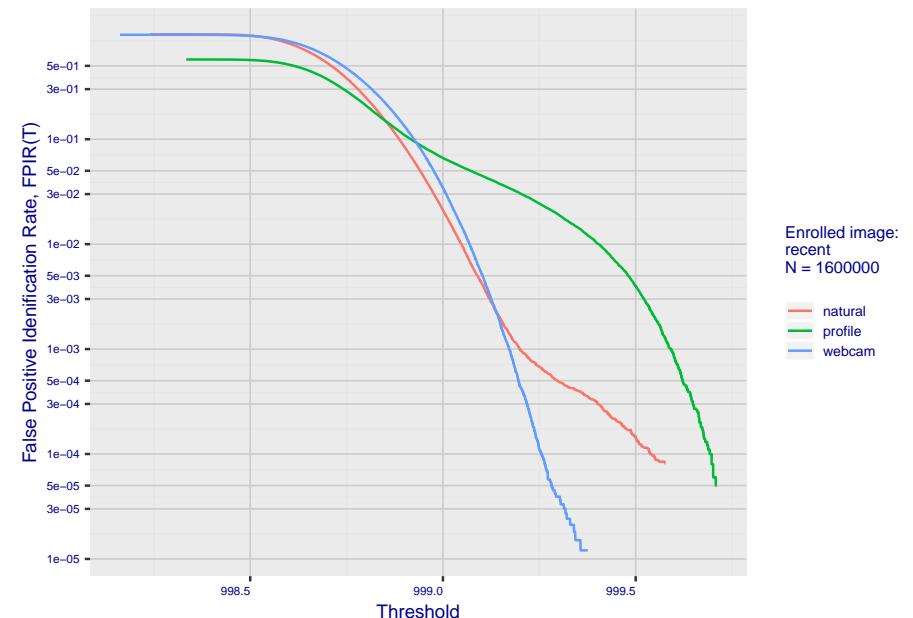
**Fig 5: Dependence on T by number enrolled identities**



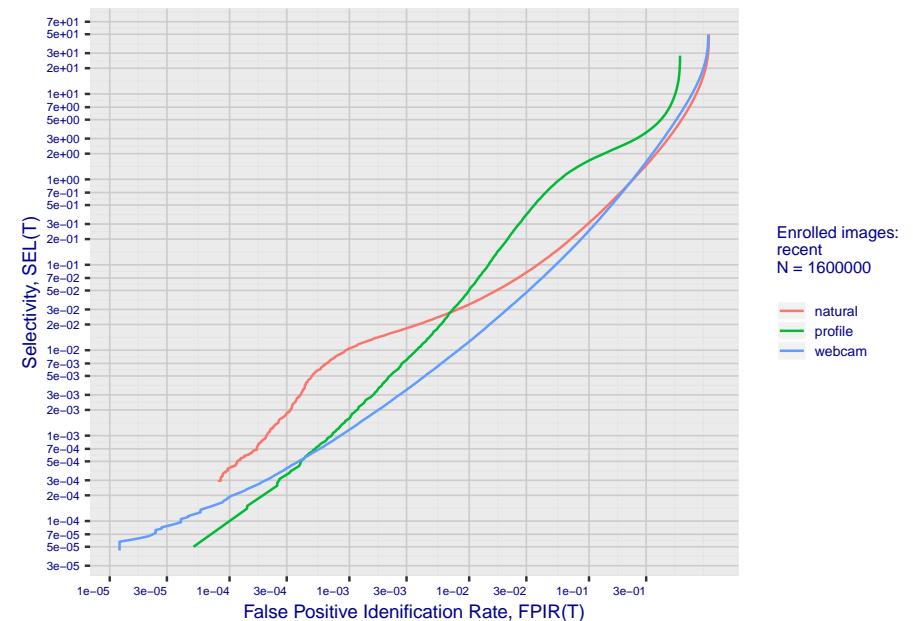
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm vocord\_3 2020-03-20 13:24:01

Fig 10: Template duration; search duration vs. N

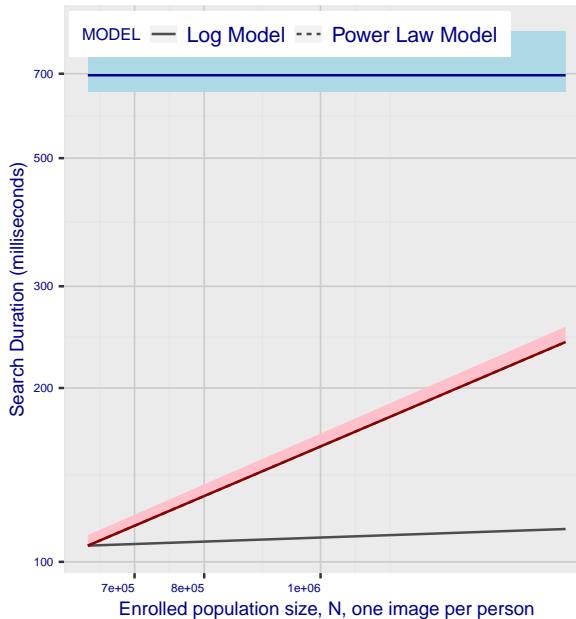
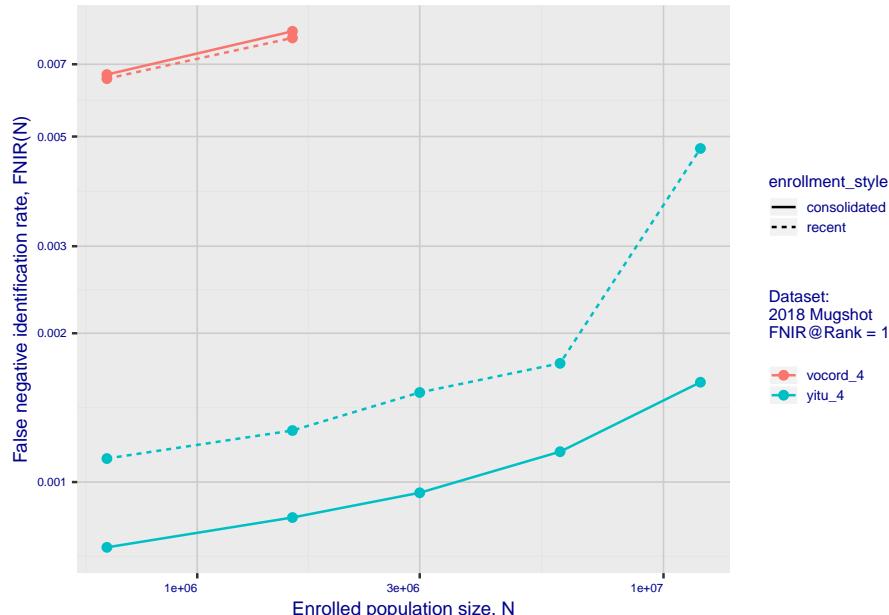


Fig 11: Datasheet

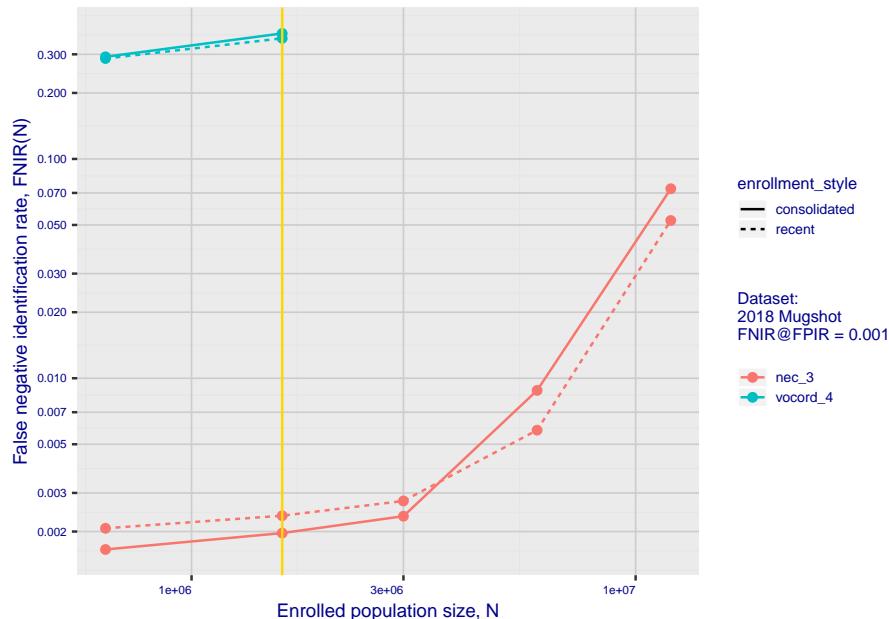
Algorithm:	vocord_3
Developer:	Vocord
Submission Date:	2018_06_30
Template size:	896 bytes
Template time (2.5 percentile):	650 msec
Template time (median):	696 msec
Template time (97.5 percentile):	829 msec
Investigation rank 68 -- FNIR(1600000, 0, 1) = 0.0062 vs. lowest 0.0010 from sensetime_003	
Identification rank 121 -- FNIR(1600000, T, L+1) = 0.1222	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm vocord\_4 2020-03-20 13:20:48

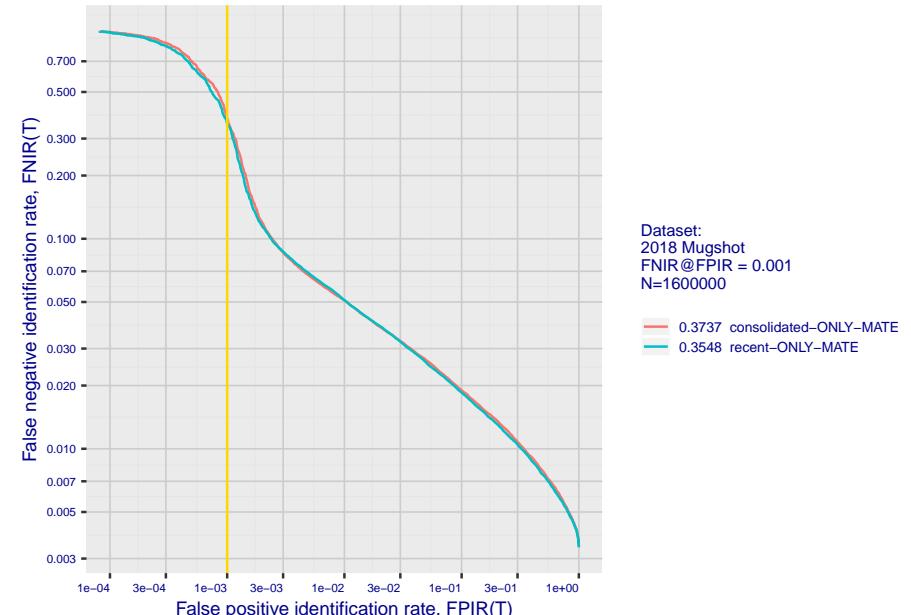
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



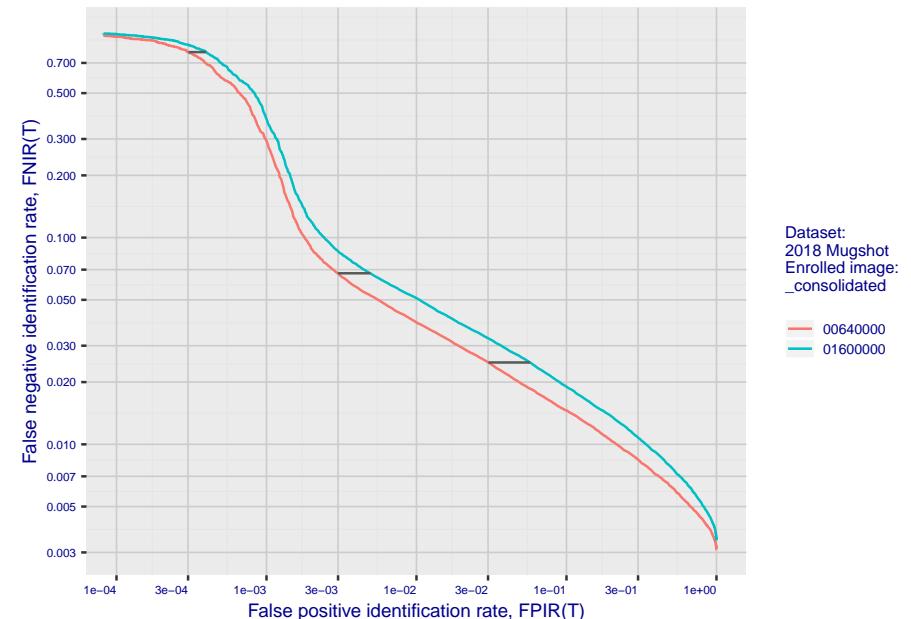
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**



**Fig 2: DETs by enrollment type**

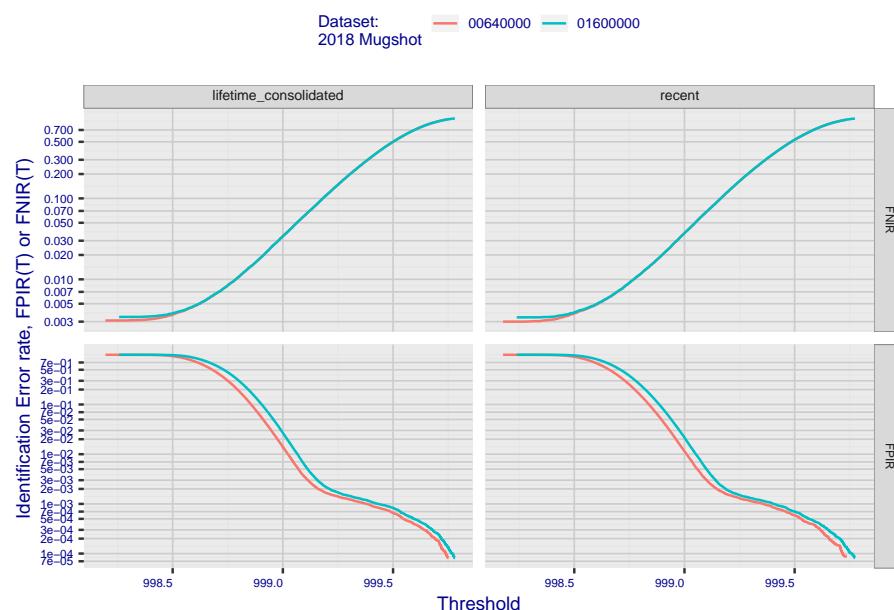


**Fig 4: DET for various N. Links connect points of equal threshold.**

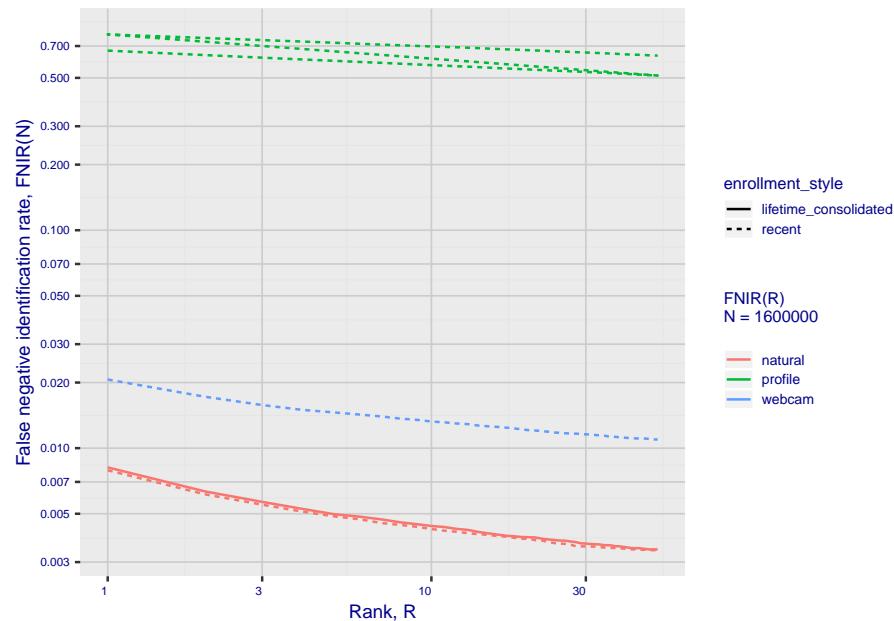


## 2. Report for algorithm vocord\_4 2020-03-20 13:20:48

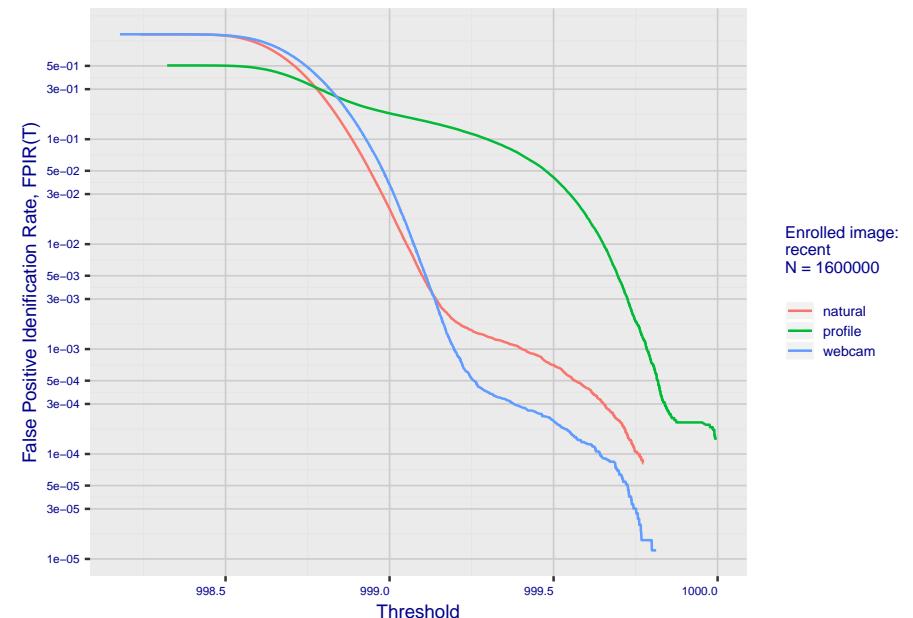
**Fig 5: Dependence on T by number enrolled identities**



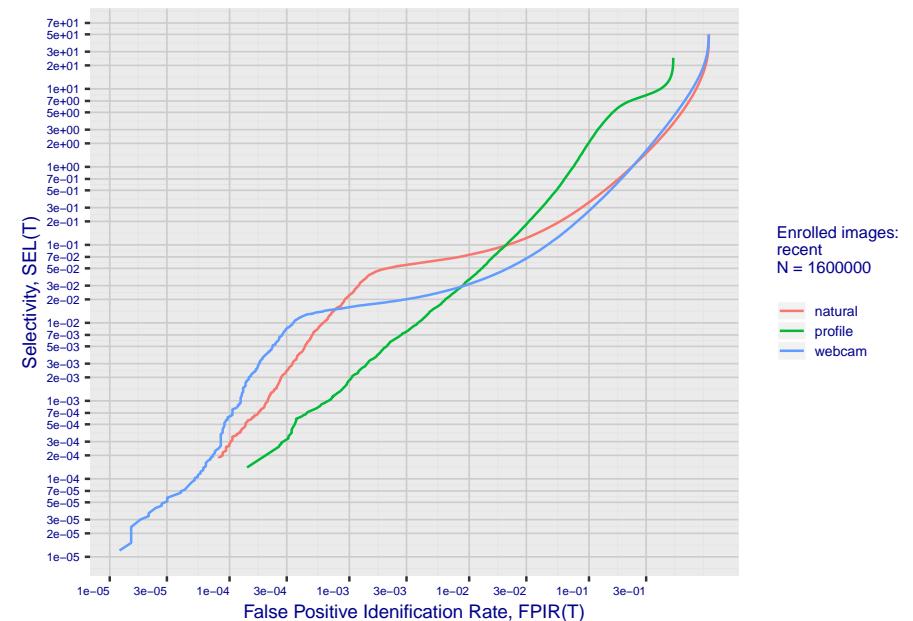
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm vocord\_4 2020-03-20 13:20:48

Fig 10: Template duration; search duration vs. N

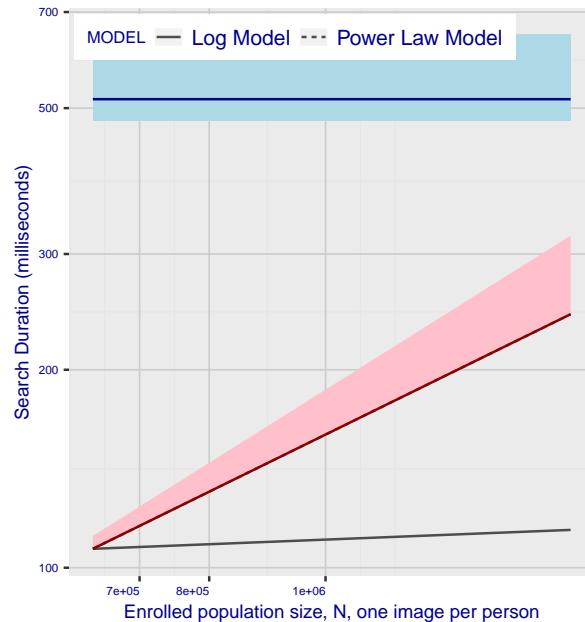
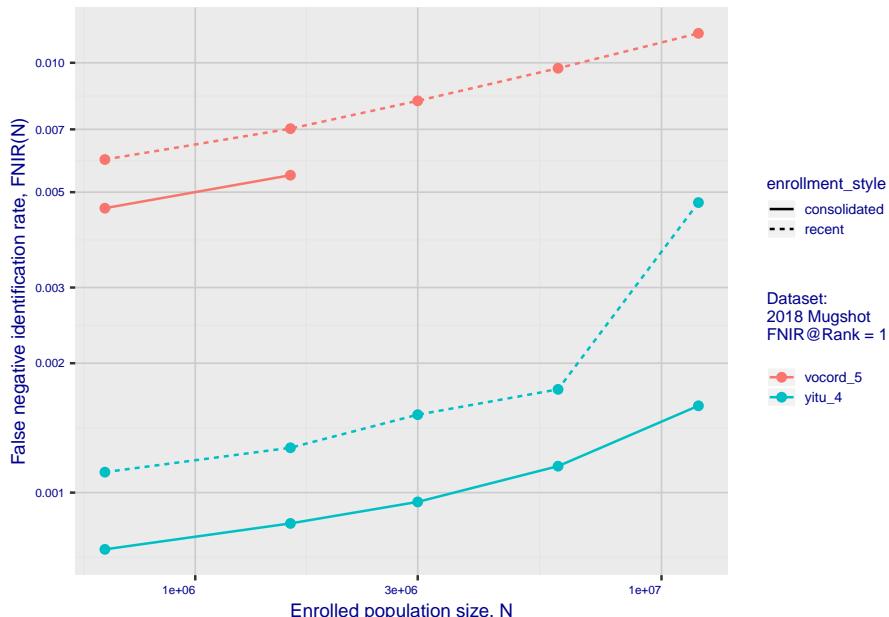


Fig 11: Datasheet

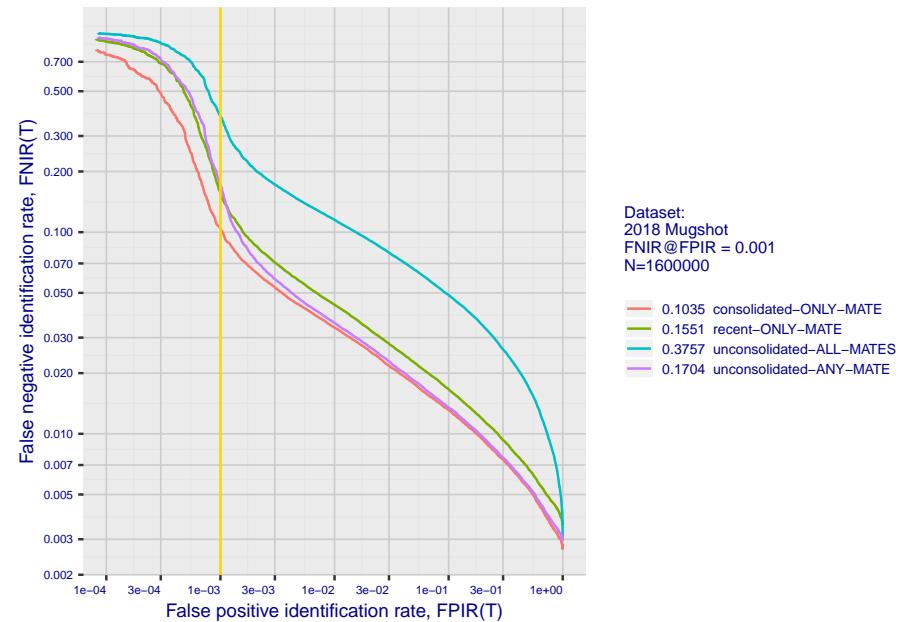
Algorithm:	vocord_4
Developer:	Vocord
Submission Date:	2018_06_30
Template size:	896 bytes
Template time (2.5 percentile):	479 msec
Template time (median):	516 msec
Template time (97.5 percentile):	648 msec
Investigation rank 83 -- FNIR(1600000, 0, 1) = 0.0079 vs. lowest 0.0010 from sensetime_003	
Identification rank 173 -- FNIR(1600000, T, L+1) = 0.3548	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm vocord\_5 2020-03-20 13:19:24

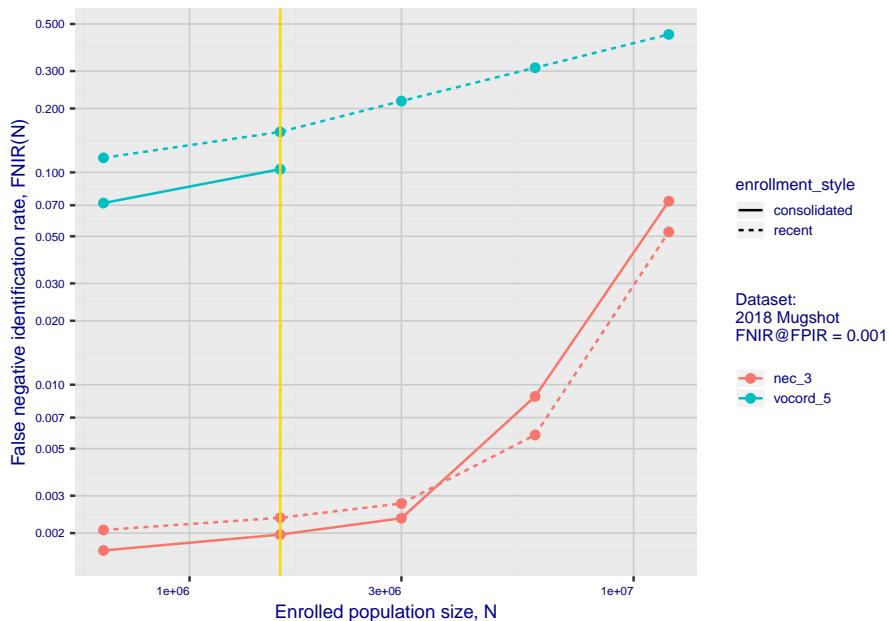
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



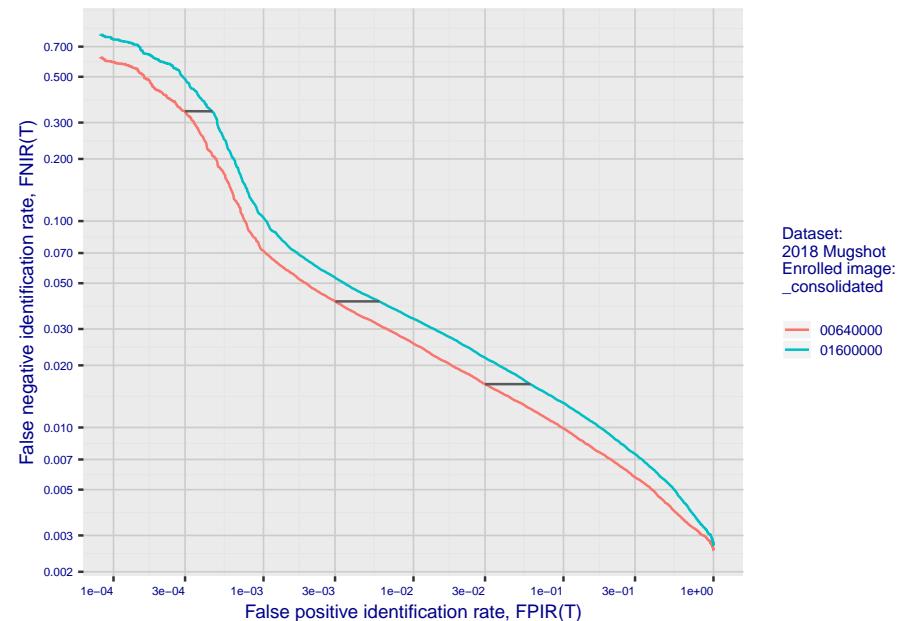
**Fig 2: DETs by enrollment type**



**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

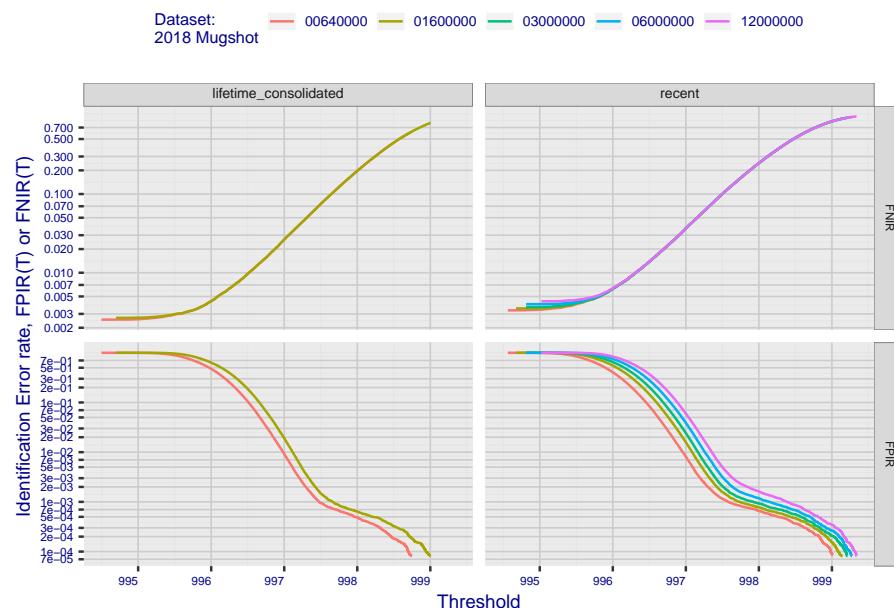


**Fig 4: DET for various N. Links connect points of equal threshold.**

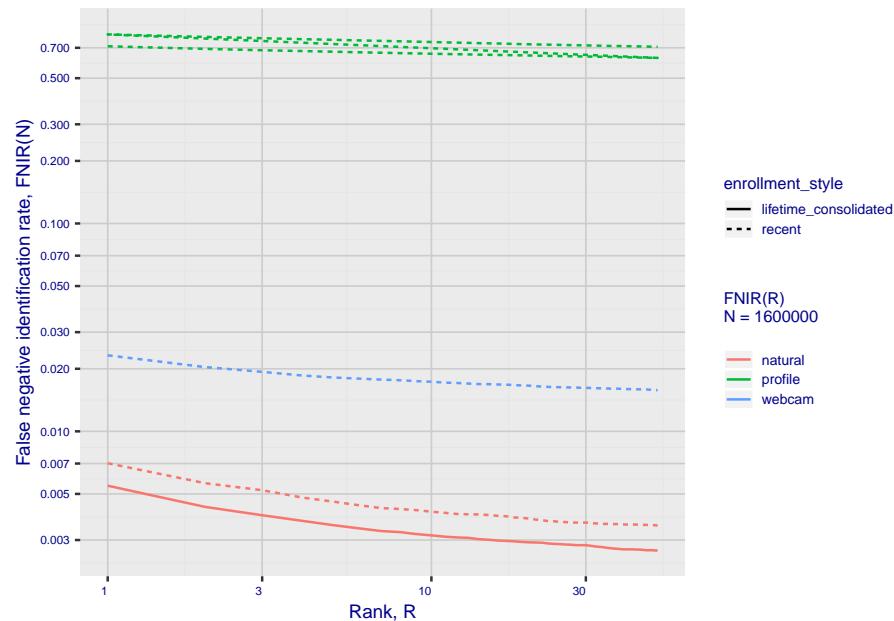


## 2. Report for algorithm vocord\_5 2020-03-20 13:19:24

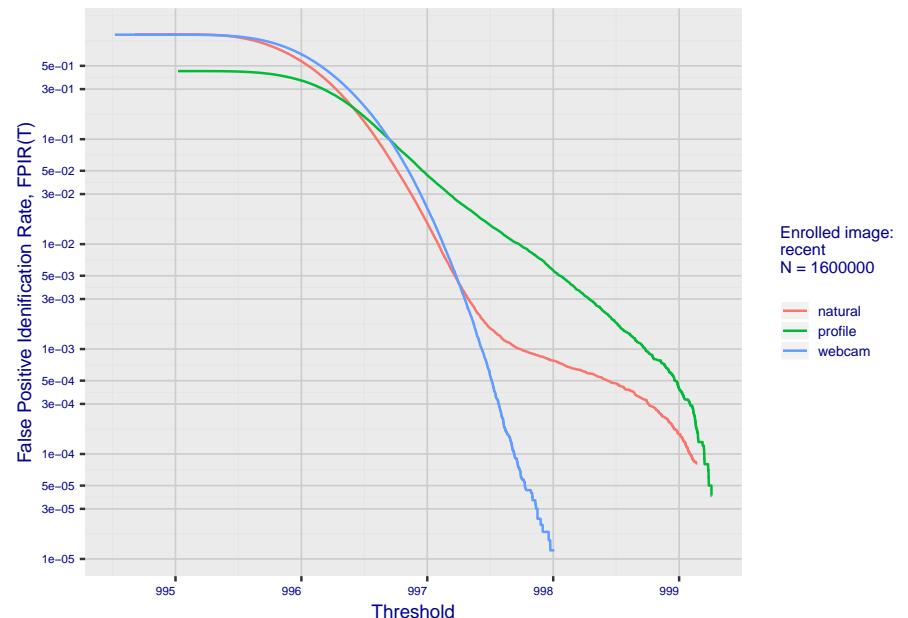
**Fig 5: Dependence on T by number enrolled identities**



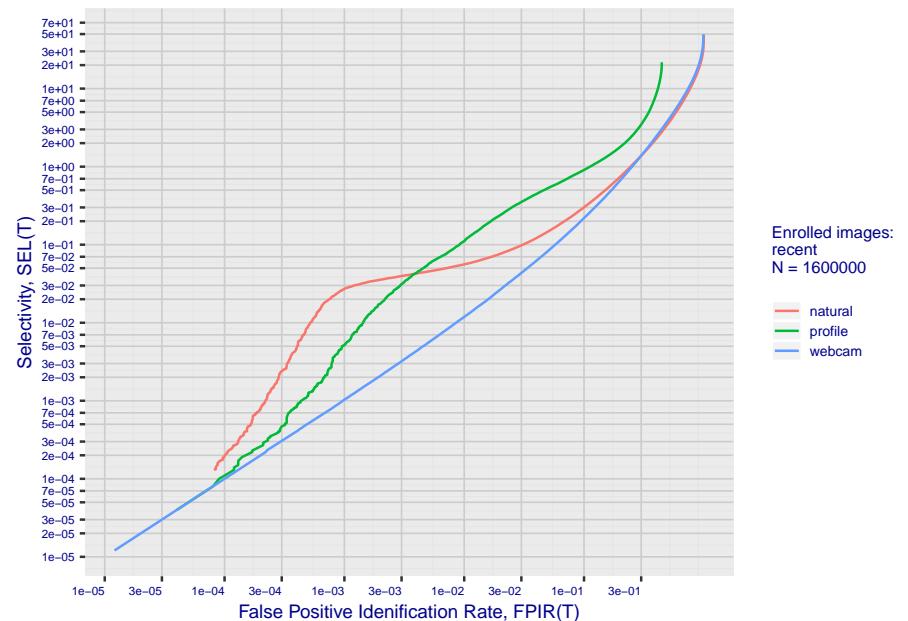
**Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type**



**Fig 6: FPIR dependence on T by probe type**



**Fig 8: FPIR vs. Selectivity**



### 3. Report for algorithm vocord\_5 2020-03-20 13:19:24

Fig 10: Template duration; search duration vs. N

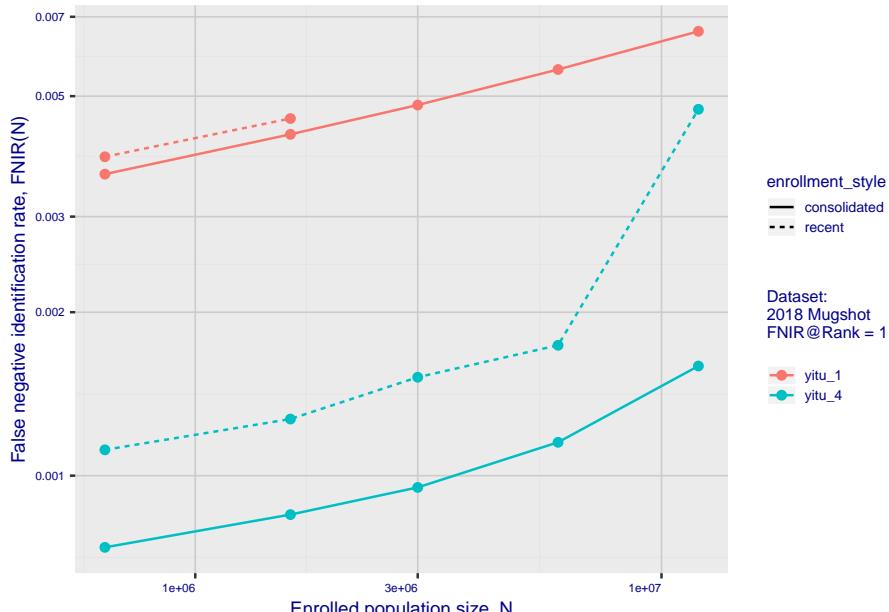


Fig 11: Datasheet

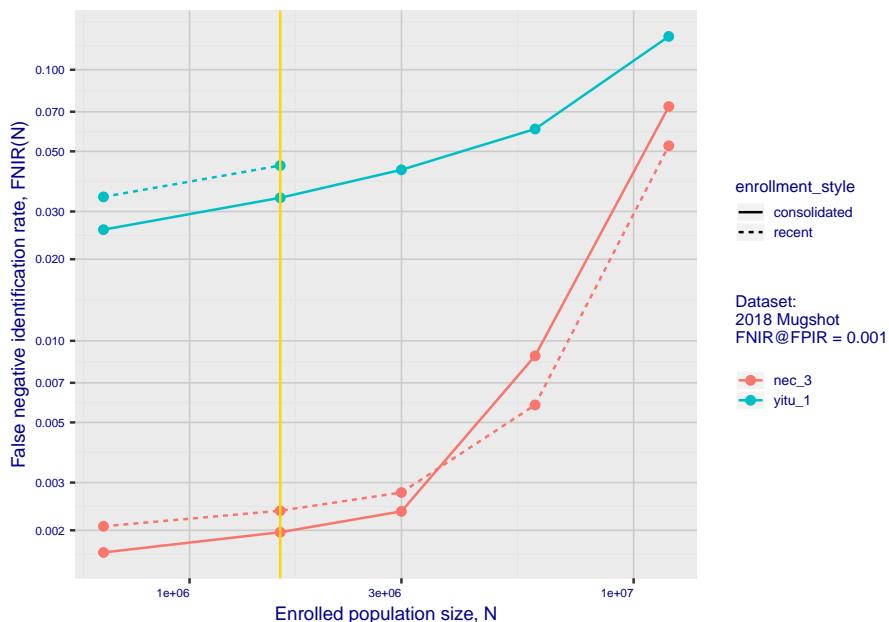
Algorithm:	vocord_5
Developer:	Vocord
Submission Date:	2018_10_30
Template size:	768 bytes
Template time (2.5 percentile):	778 msec
Template time (median):	781 msec
Template time (97.5 percentile):	1210 msec
Investigation rank 78 -- FNIR(1600000, 0, 1) = 0.0070 vs. lowest 0.0010 from sensetime_003	
Identification rank 130 -- FNIR(1600000, T, L+1) = 0.1551	
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003	

# 1. Report for algorithm yitu\_1 2020-03-20 13:21:04

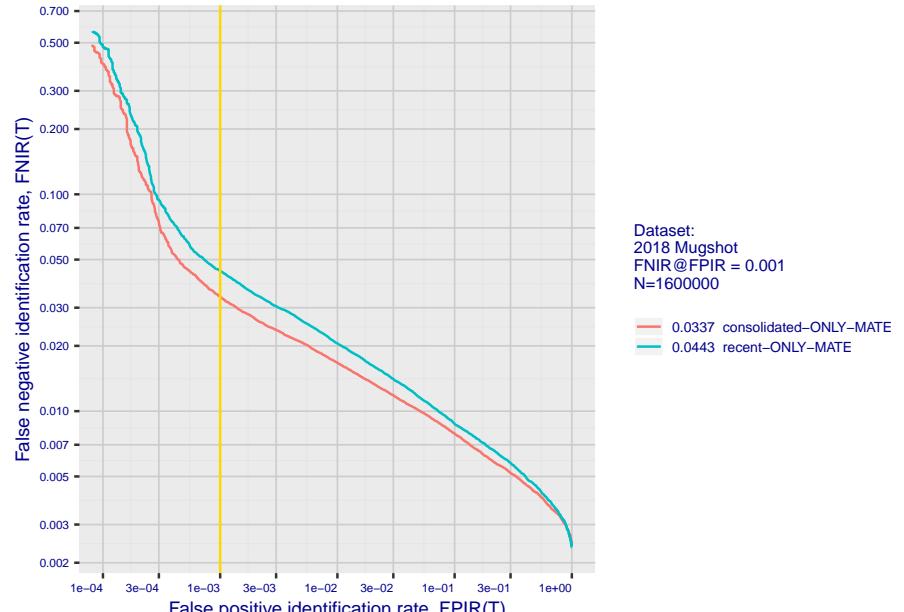
**Fig 1: Investigational mode: FNIR(N, 1, 0) vs. most accurate (yitu\_4)**



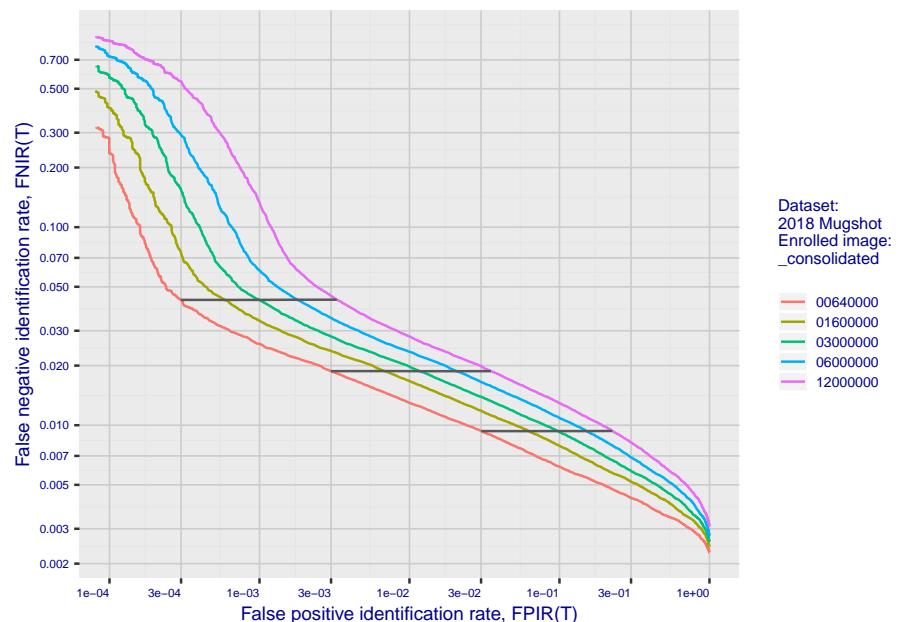
**Fig 3: Identification mode: FNIR(N, L+1, T) vs. most accurate (nec\_3)**

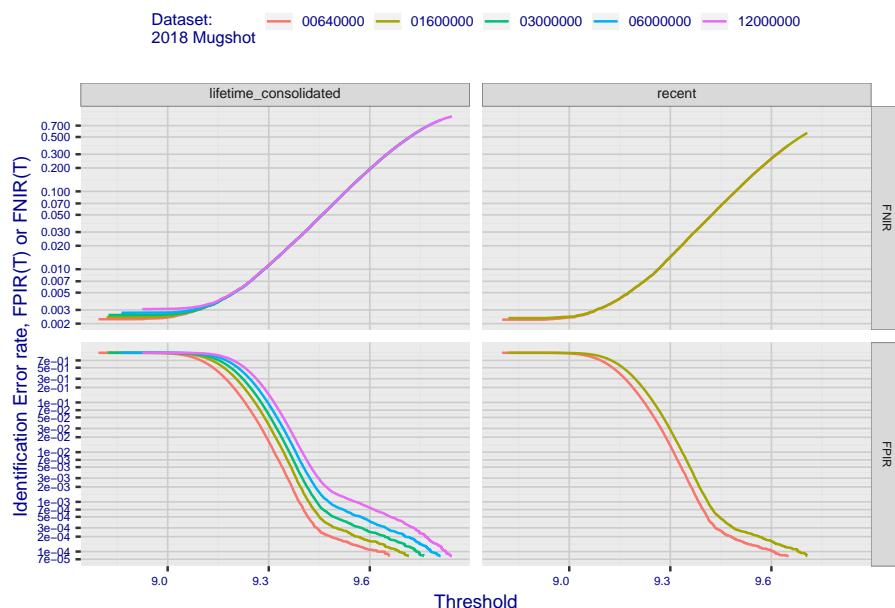
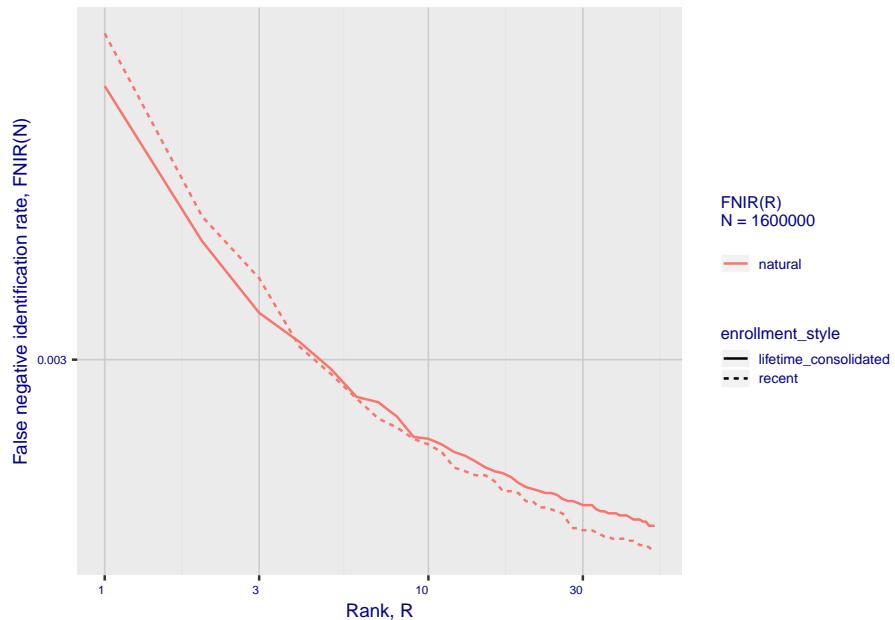
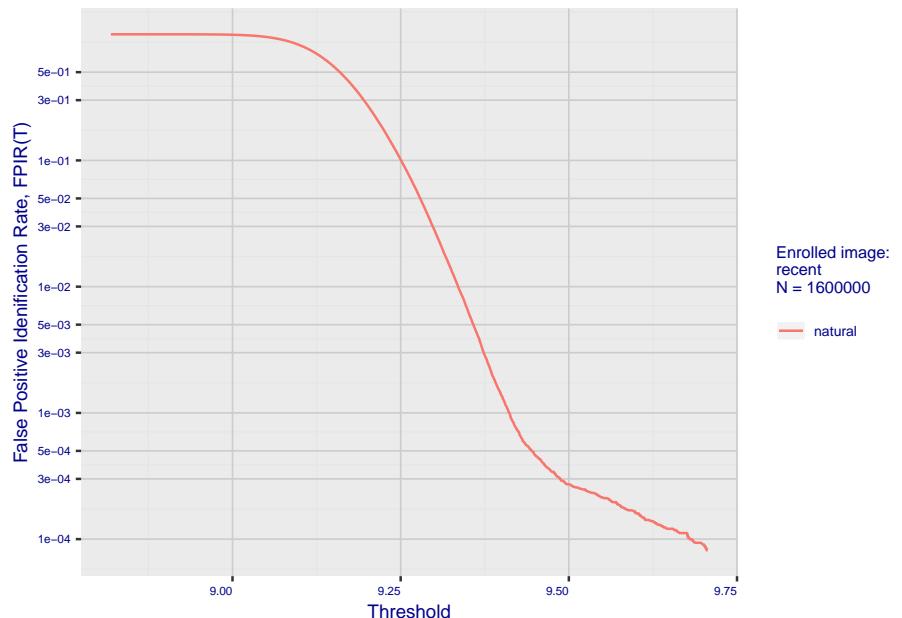
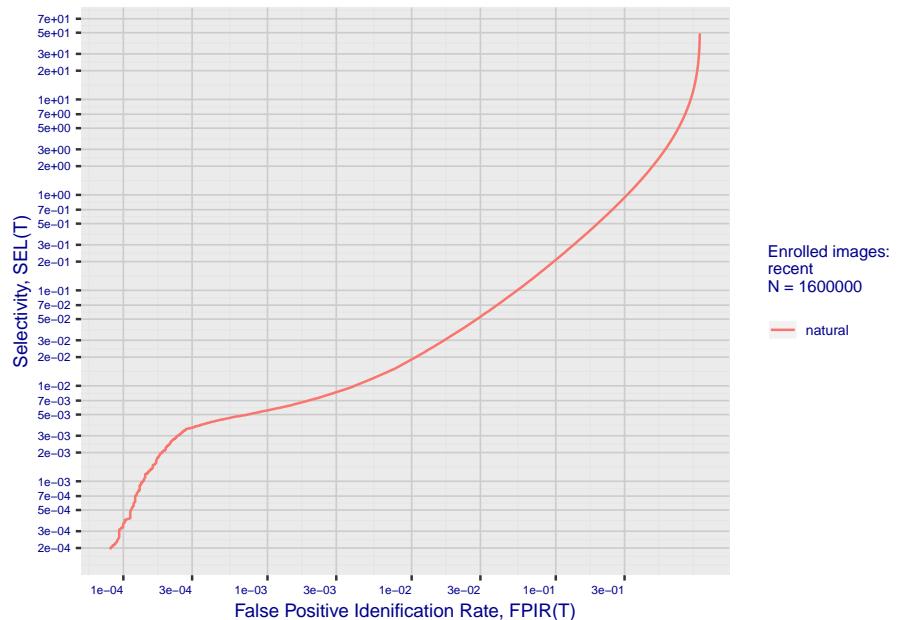


**Fig 2: DETs by enrollment type**



**Fig 4: DET for various N. Links connect points of equal threshold.**



**2. Report for algorithm yitu\_1 2020-03-20 13:21:04****Fig 5: Dependence on T by number enrolled identities****Fig 7: Investigational mode: FNIR(1600000, R, 0) by probe type****Fig 6: FPIR dependence on T by probe type****Fig 8: FPIR vs. Selectivity**

### 3. Report for algorithm yitu\_1 2020-03-20 13:21:04

Fig 10: Template duration; search duration vs. N

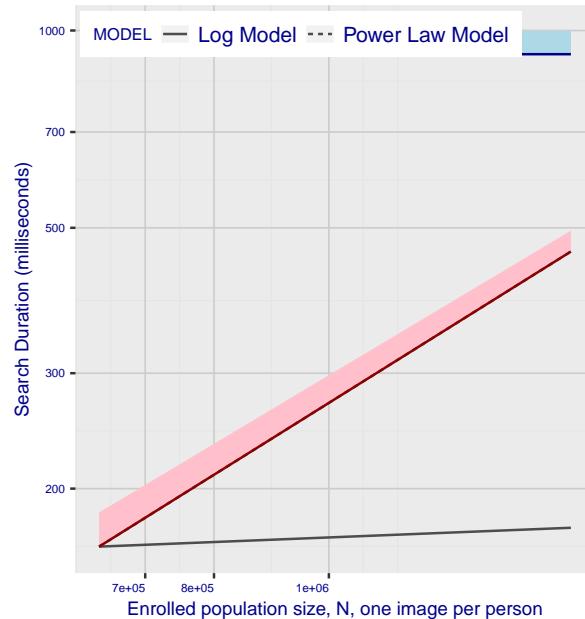


Fig 11: Datasheet

Algorithm: yitu_1
Developer: Shanghai Yitu Technology
Submission Date: 2018_02_12
Template size: 4136 bytes
Template time (2.5 percentile): 918 msec
Template time (median): 920 msec
Template time (97.5 percentile): 997 msec
Investigation rank 52 --- FNIR(1600000, 0, 1) = 0.0045 vs. lowest 0.0010 from sensetime_003
Identification rank 47 --- FNIR(1600000, T, L+1) = 0.0443
PPIR = 0.001 vs. lowest 0.0018 from sensetime_003