

Summary of 2018 Nominator QC Audit Review

5/16/2019

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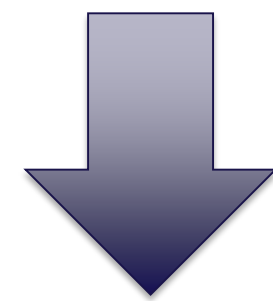


Purpose of QC Audit Review

- To monitor certified nominator's performance regularly to ensure quality of data that nominators provide to CDCB
- To advise on or to find solutions for issues/concerns that nominators are facing, in order to help improving nominator's performance
- For CDCB to know the needs or issues that CDCB can work on to facilitate nominator's work flow
- To provide an opportunity to exchange information or have communication between CDCB and nominators to keep each other informed
- Punishing nominators **IS NOT** the purpose of this review

QC Review –where do we stand?

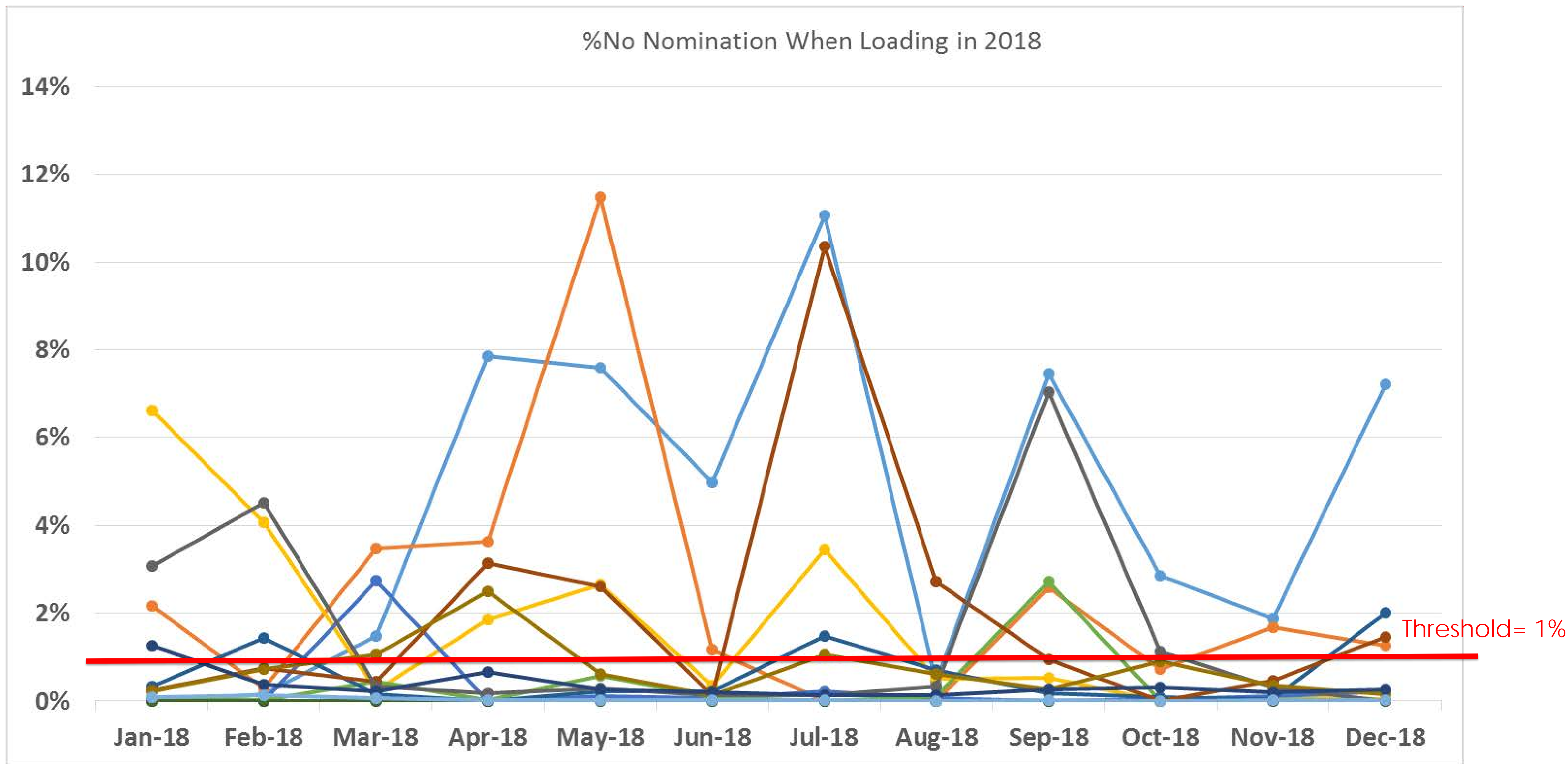
- Annual performance audit started in 2017
- Monthly report and feedback started in 2018



How those reviews impact on nominator's performance?

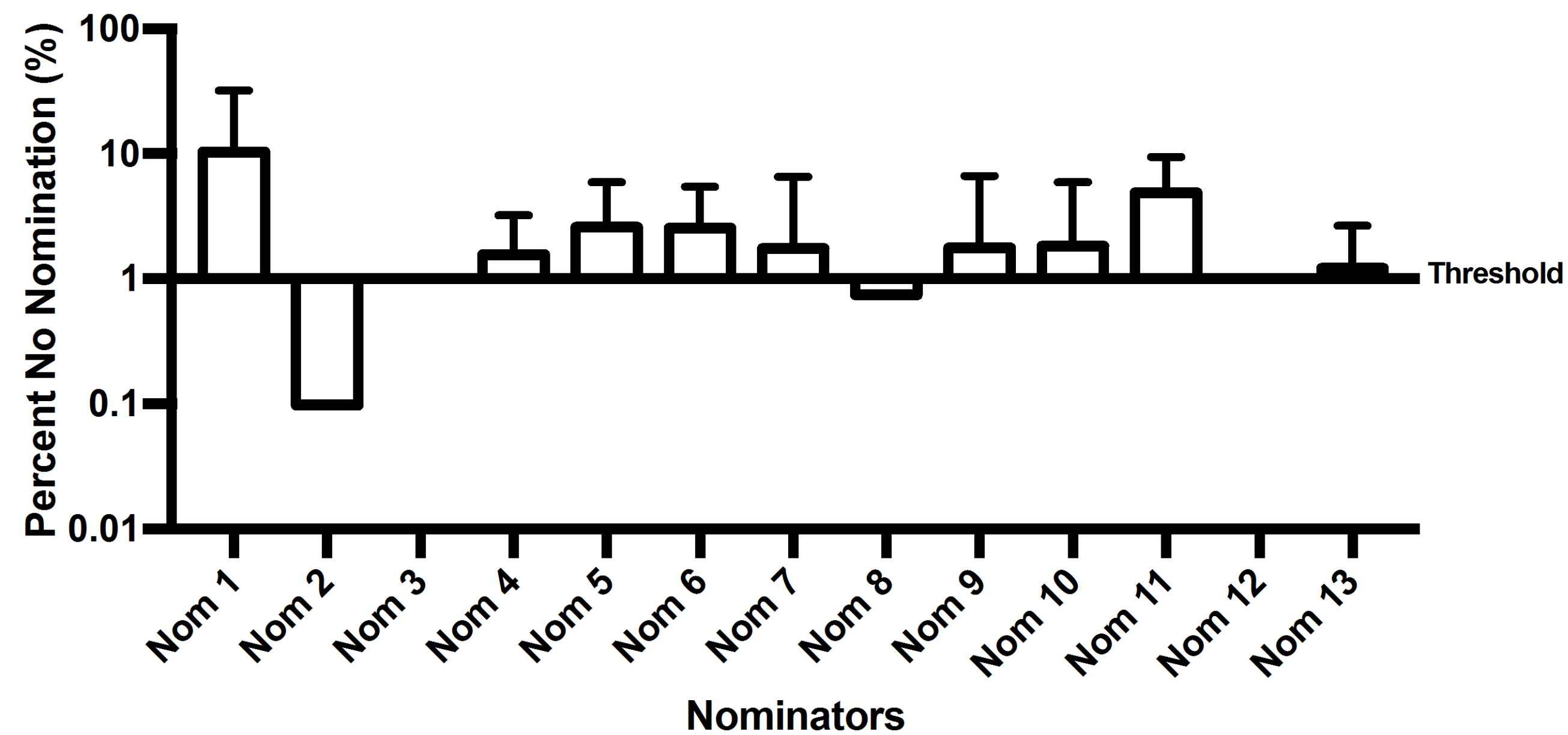
Nominators performance in 2017 and 2018 For **Critical Metrics**

- No nomination when loading Threshold: 1%
- Unknown animal ID Threshold: 1%
- Herd code discrepancy Threshold: 1% *Obsolete*
- Mismatch in fee code 1 or 2 Threshold: 2% *Obsolete*

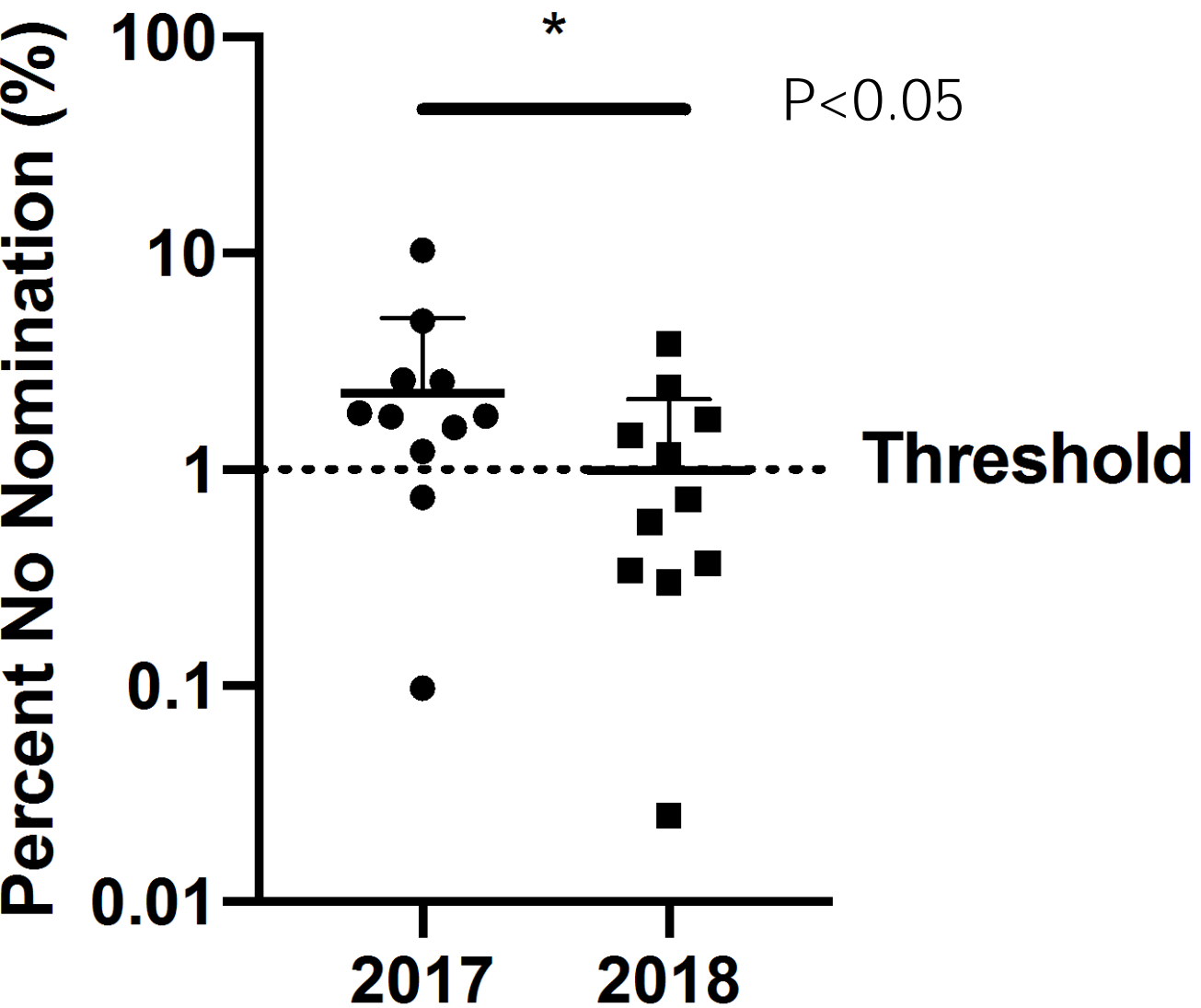
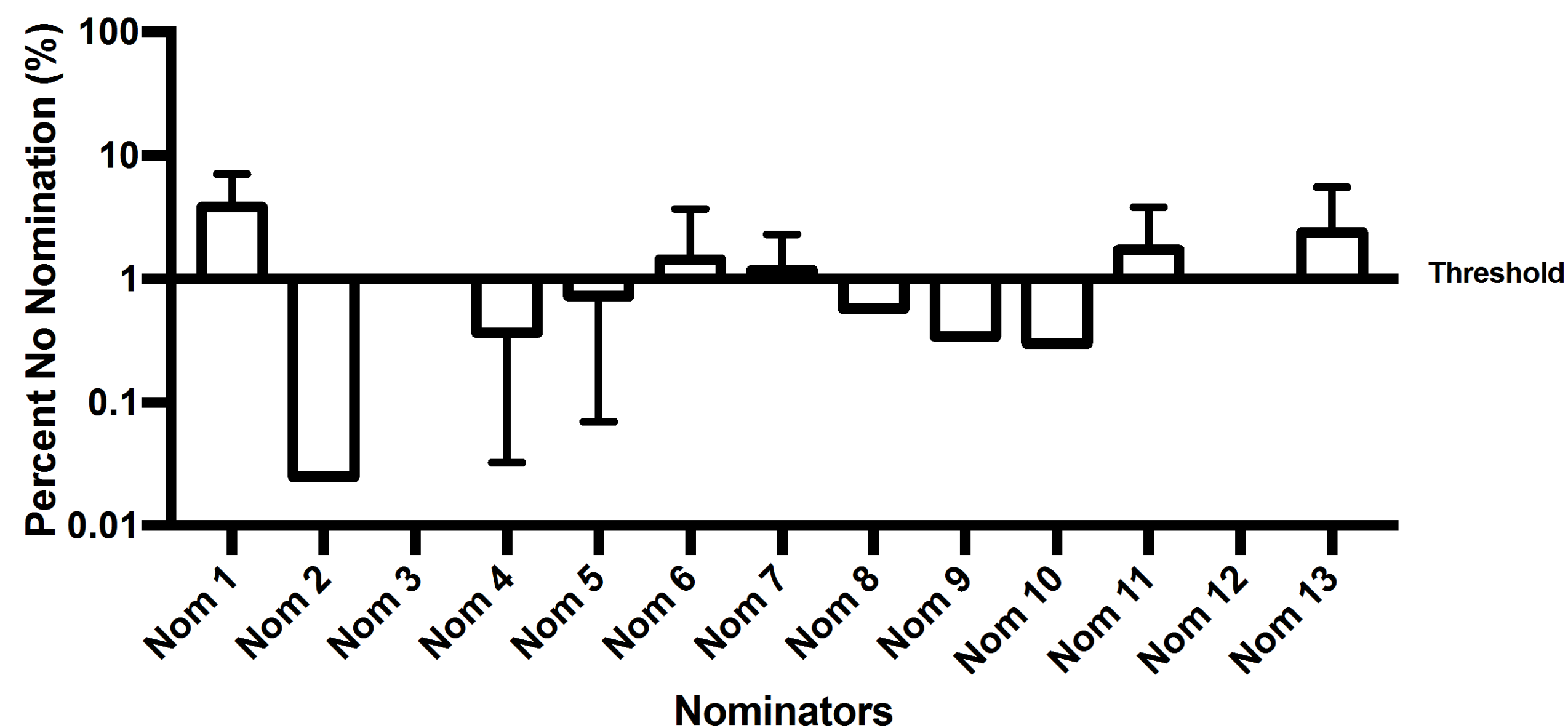


Each Nominator's Performance on No Nomination When Genotype Loading in 2017 and 2018

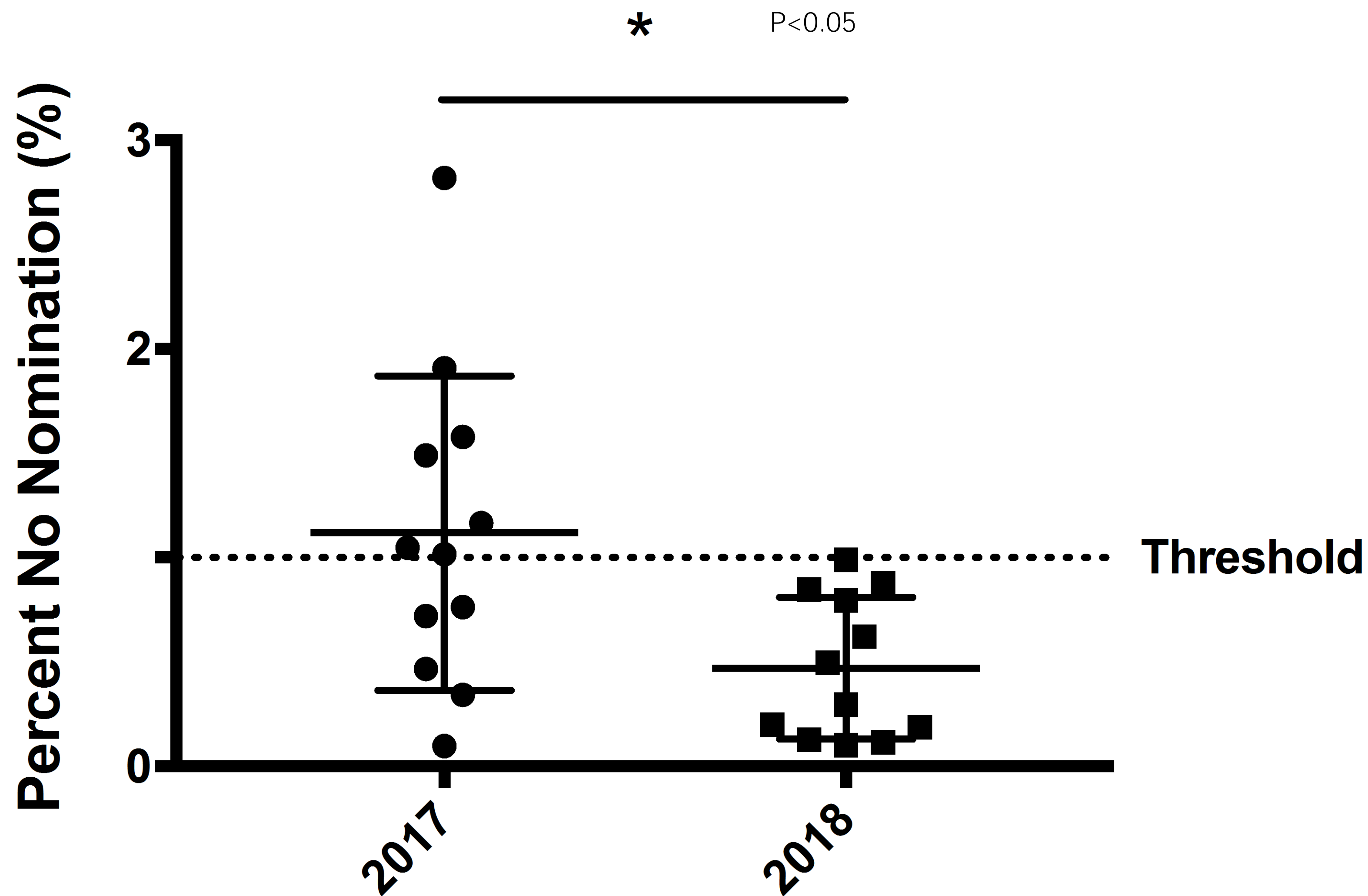
2017

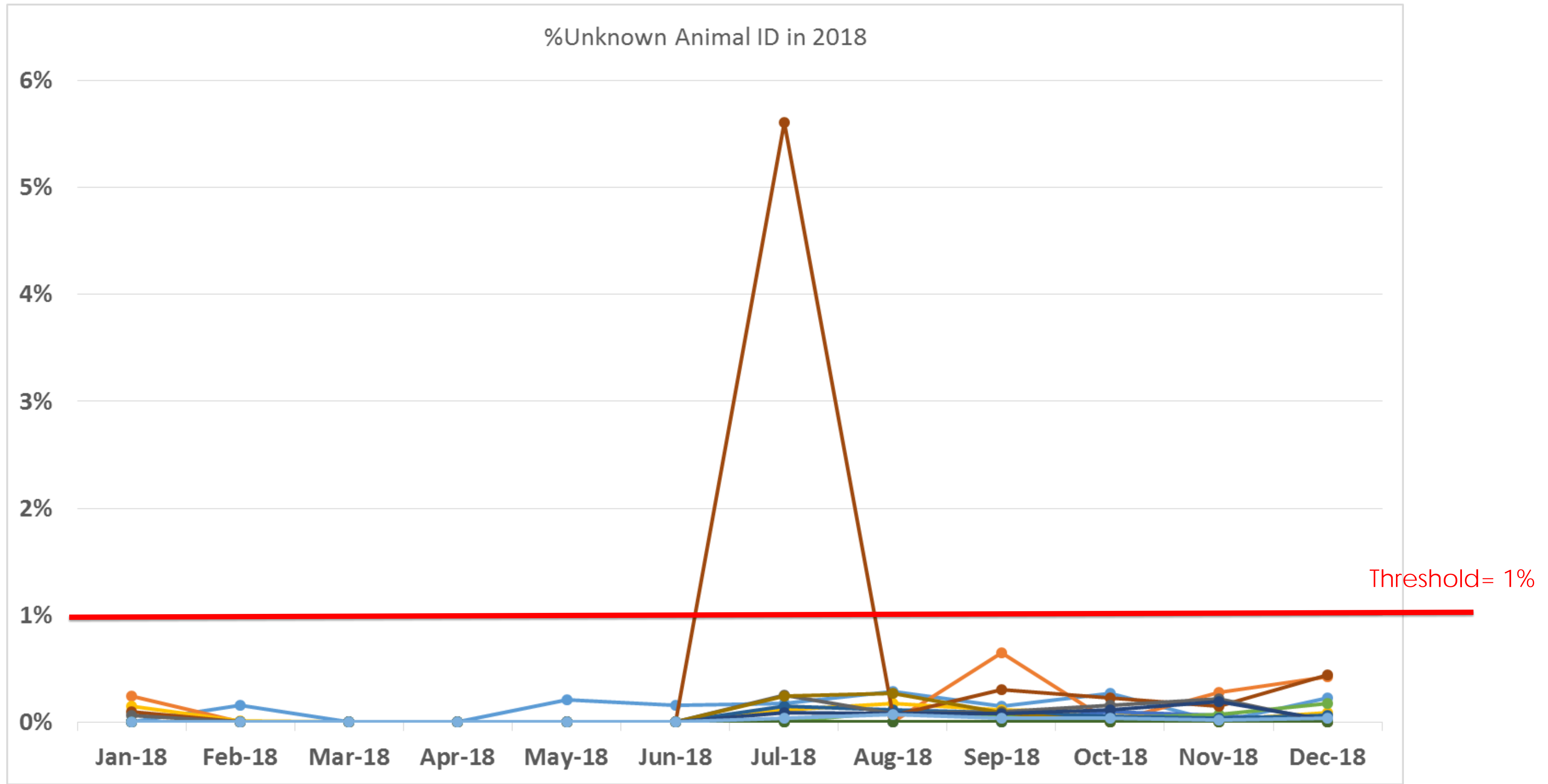


2018



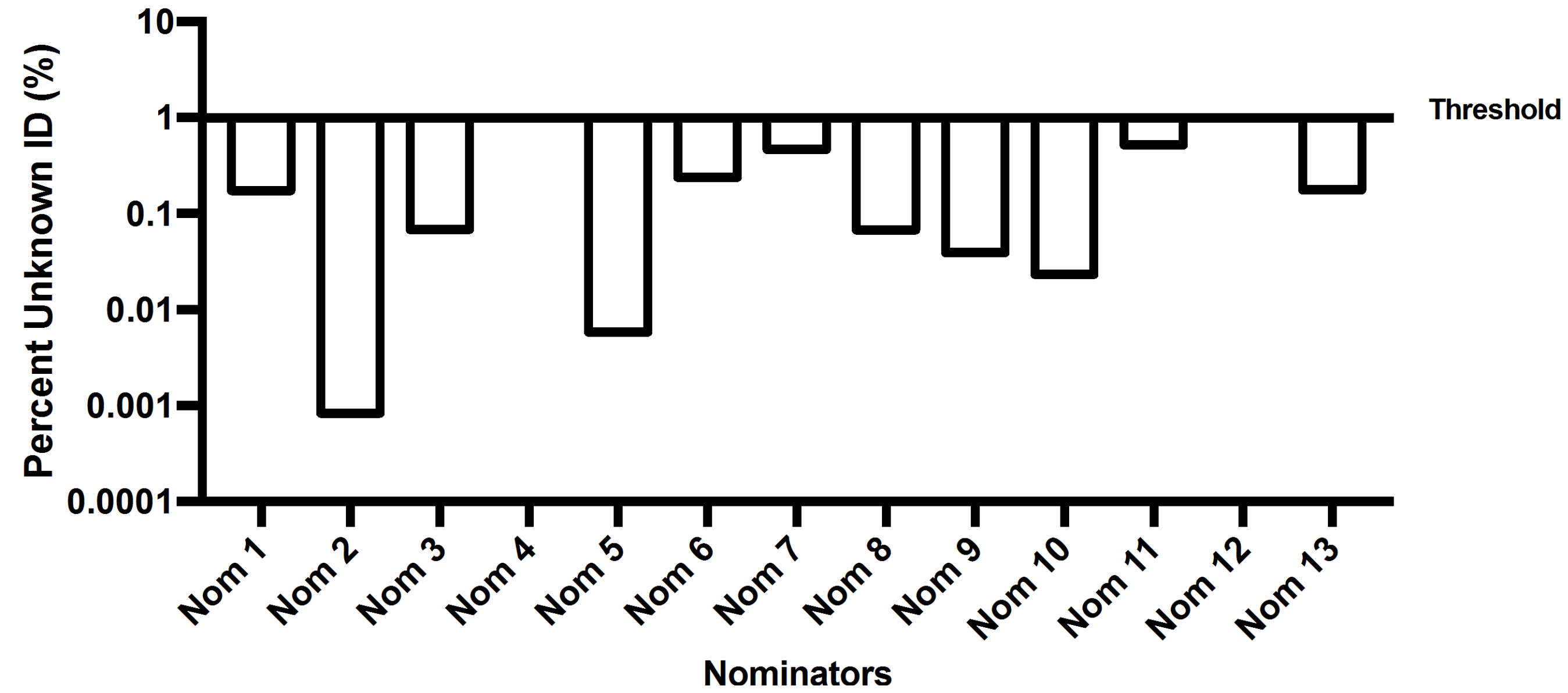
Monthly Performance of All Nominators on No Nomination in 2017 and 2018



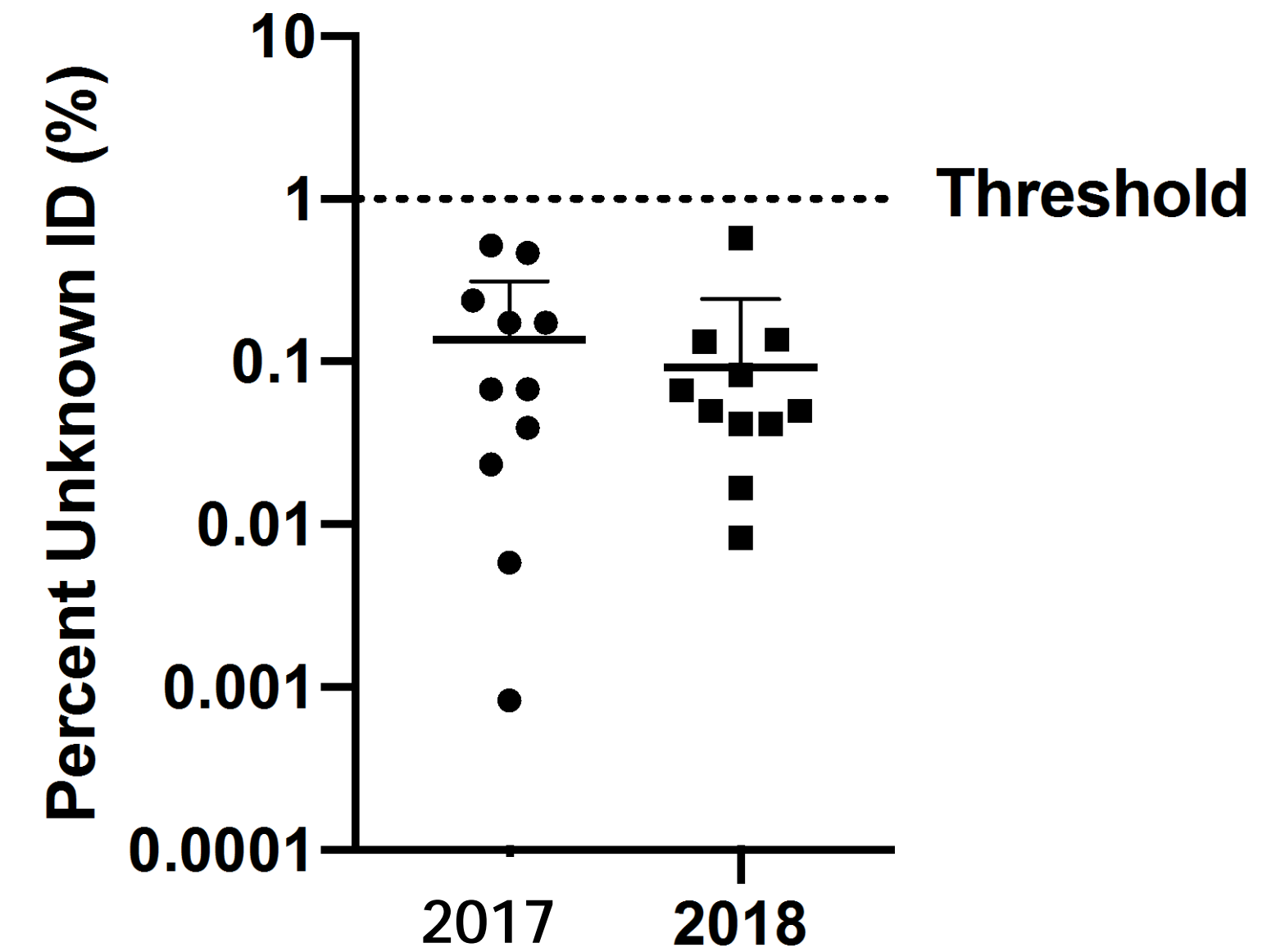
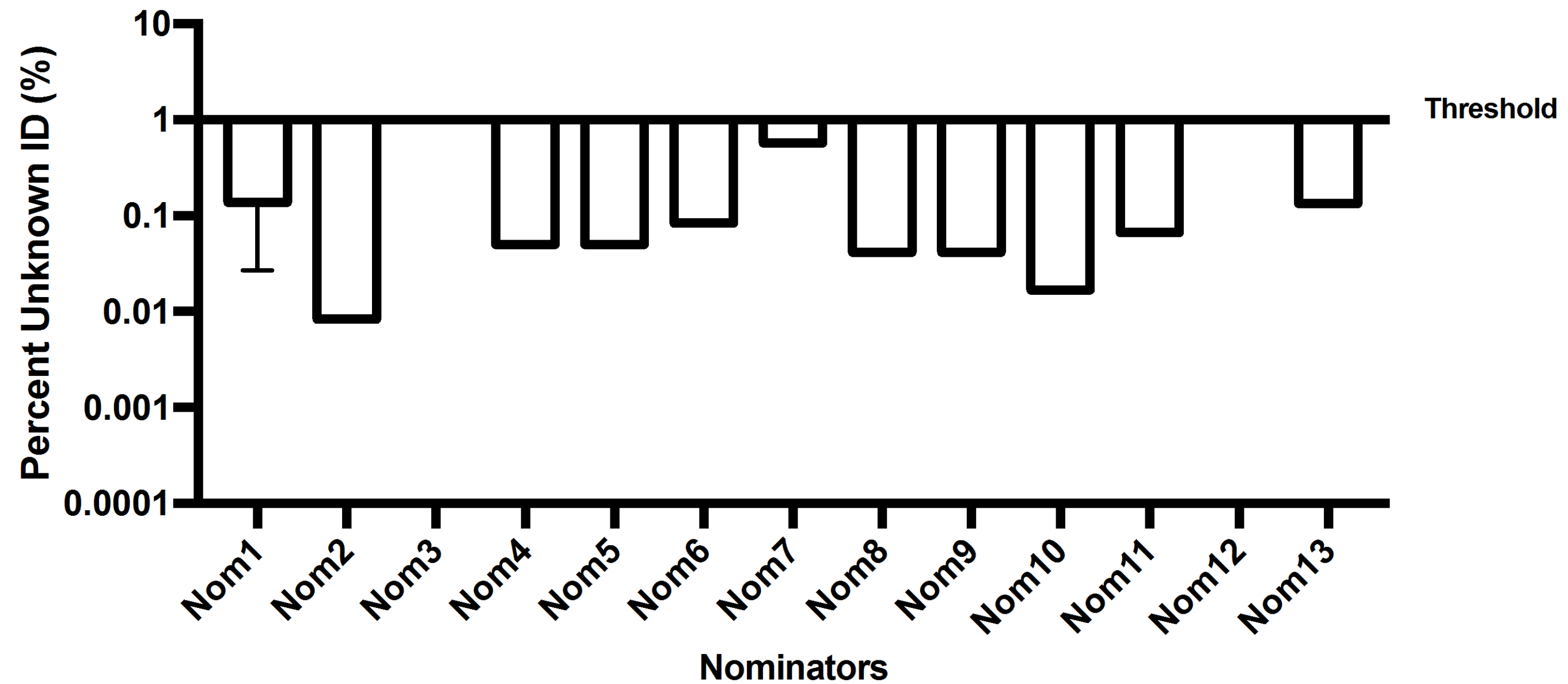


Nominators' Performance on Unknown ID in 2017 and 2018

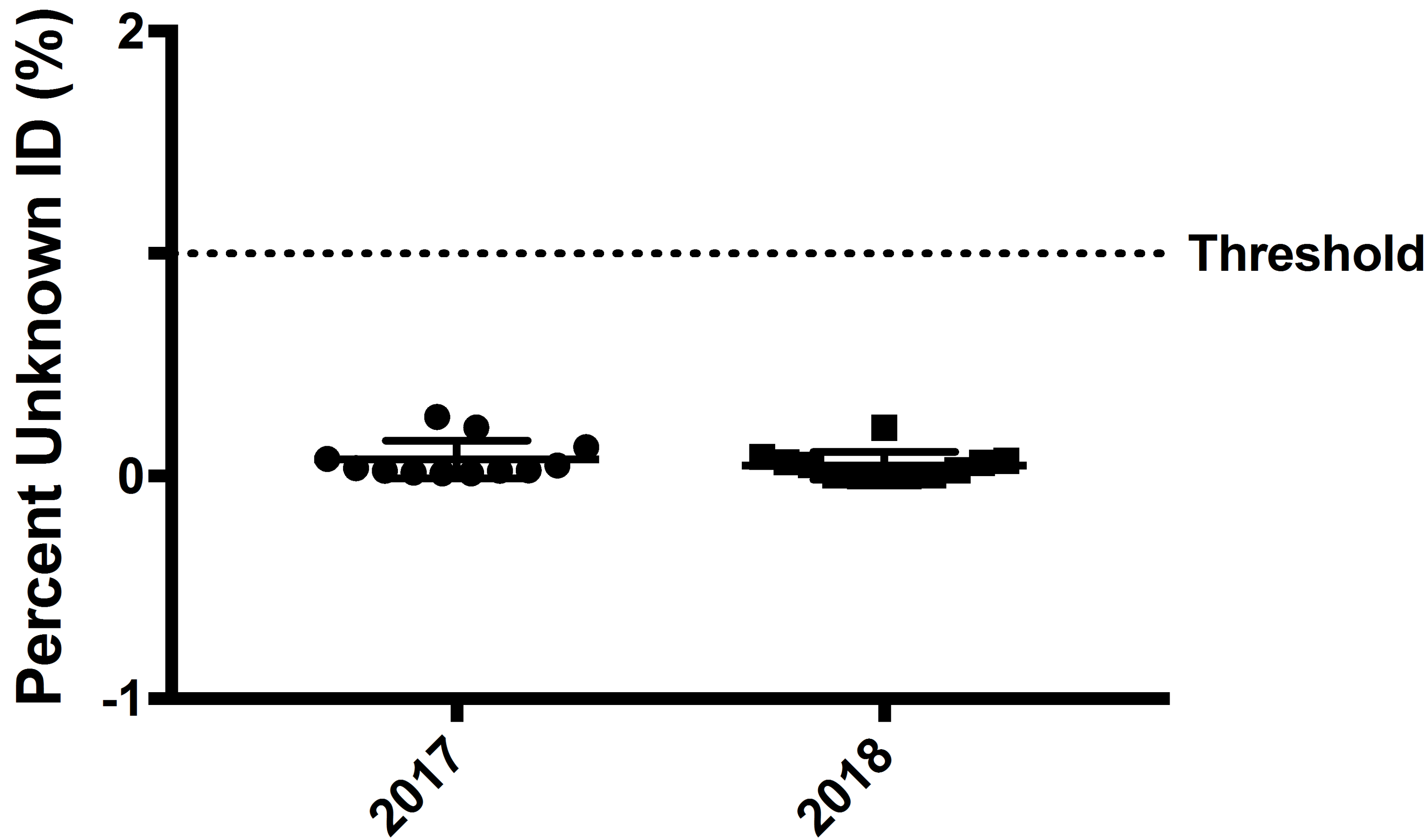
2017



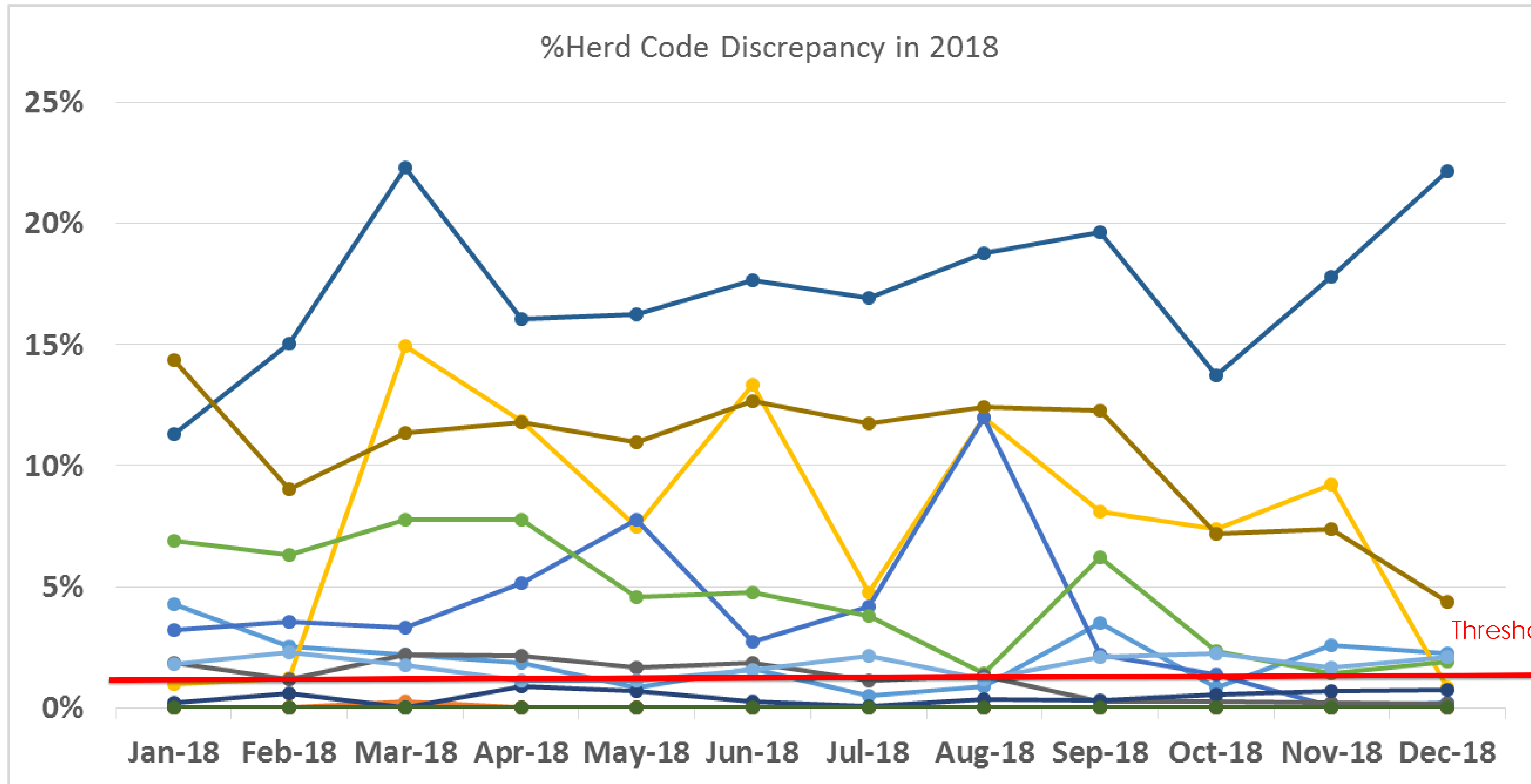
2018



Monthly Performance of All Nominators on Unknown ID in 2017 and 2018

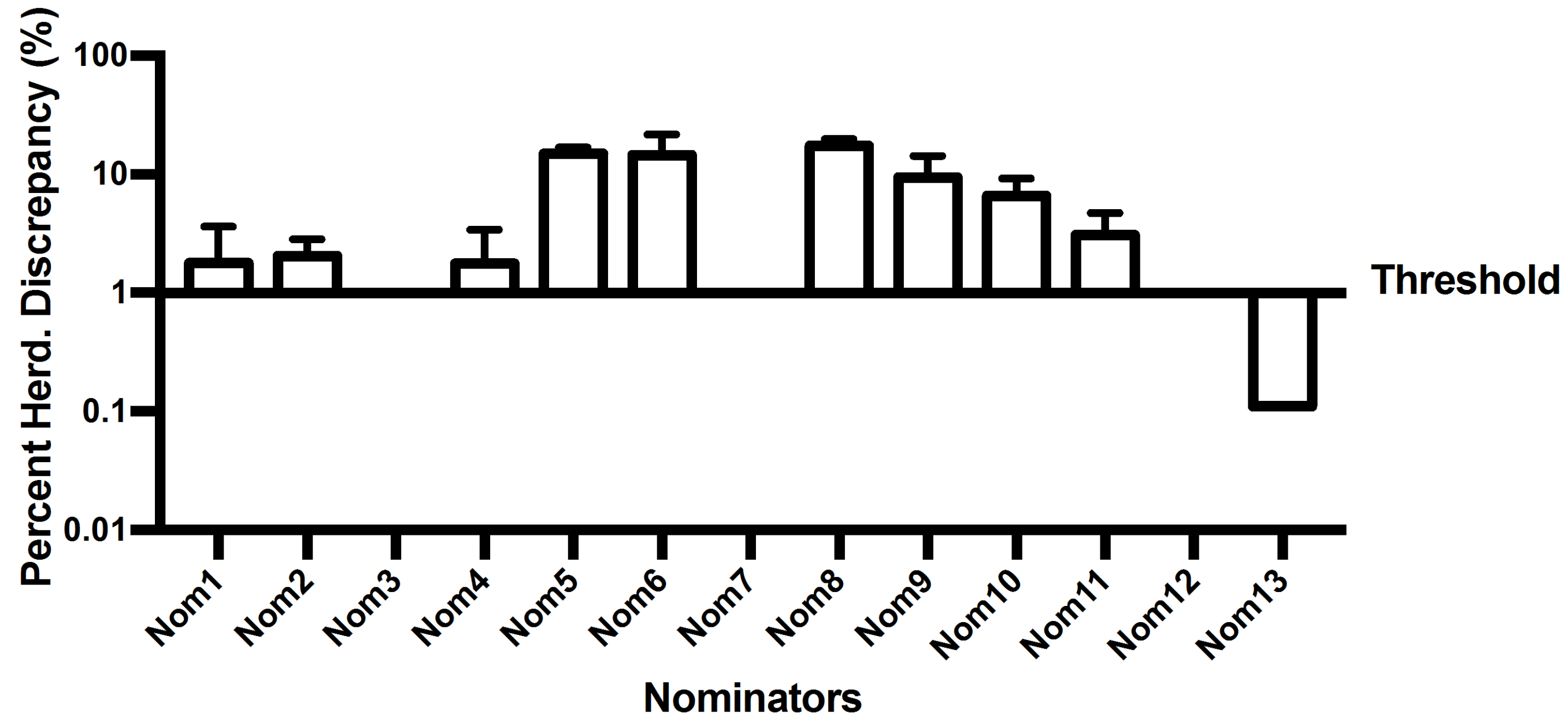


Incidence(data point) = $\frac{\text{\# occurrences in the month}}{\text{\# Total GT nominated in the month}}$

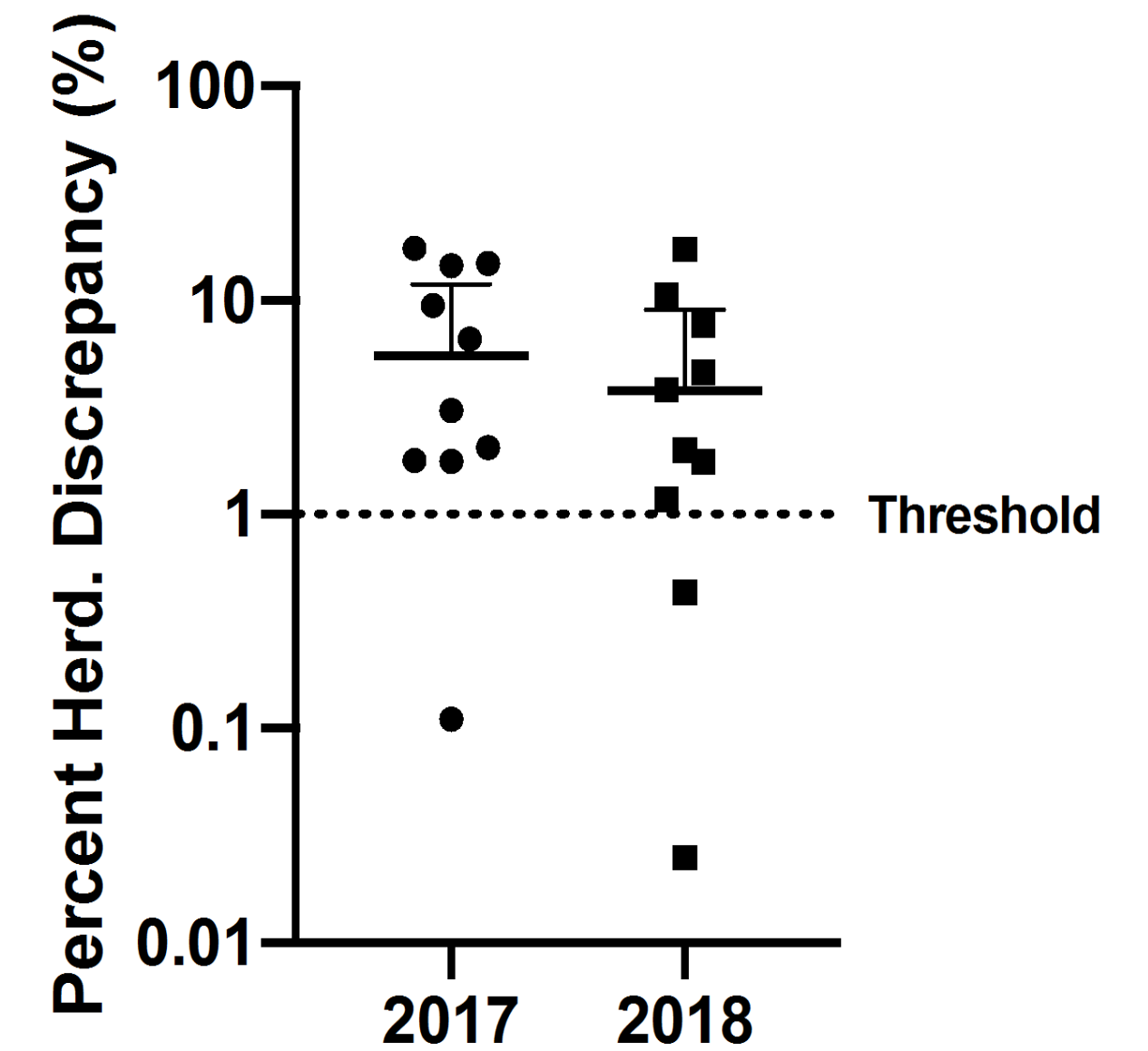
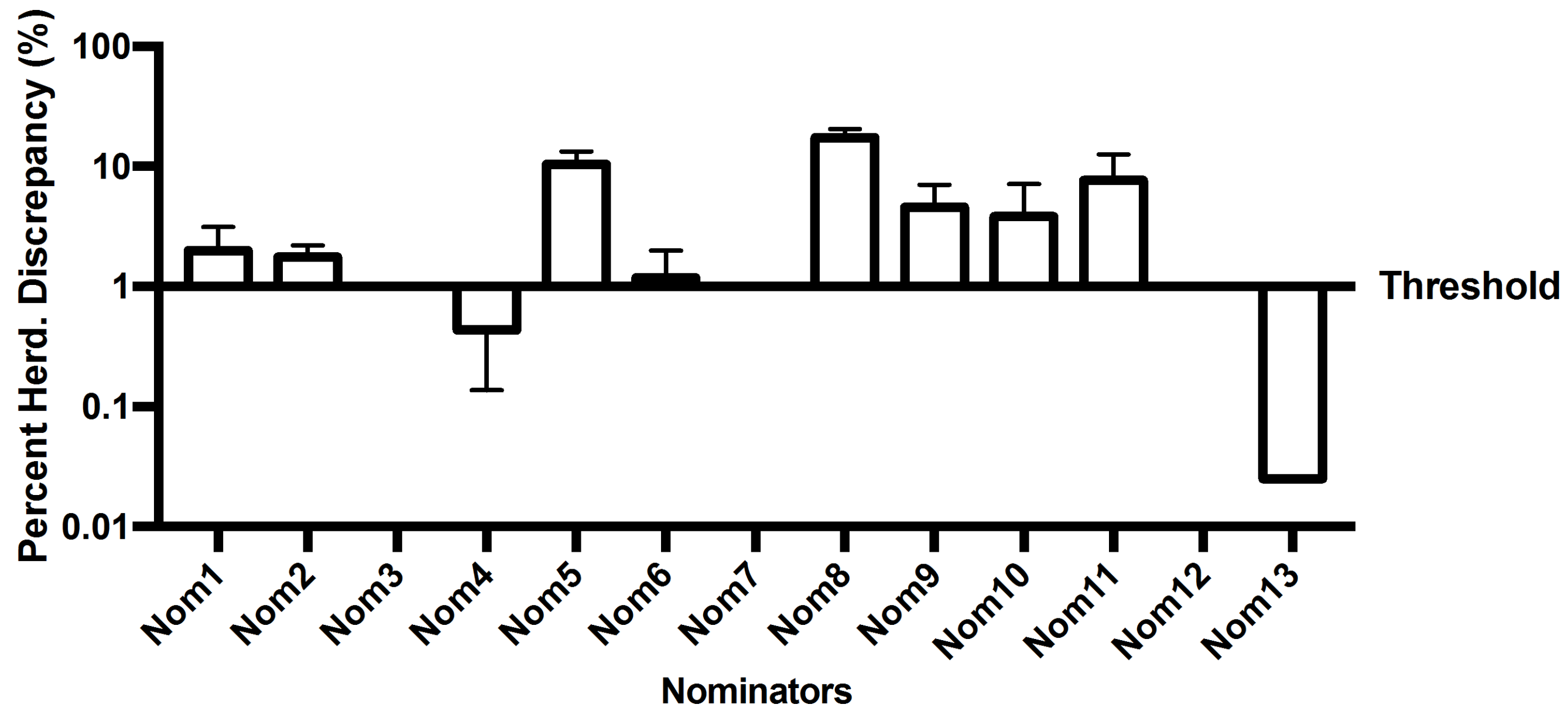


Nominators' Performance on Herd Code Discrepancy in 2017 and 2018

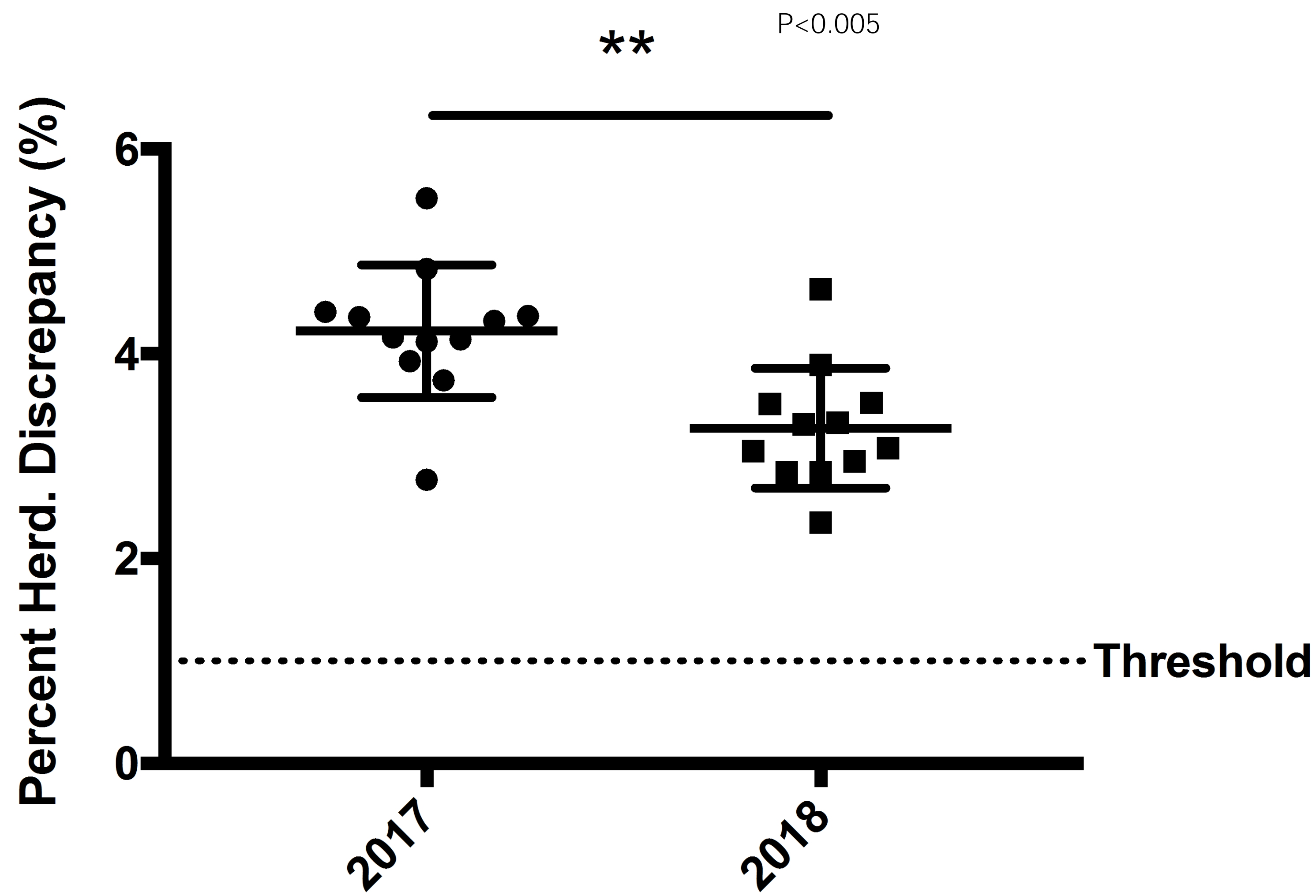
2017



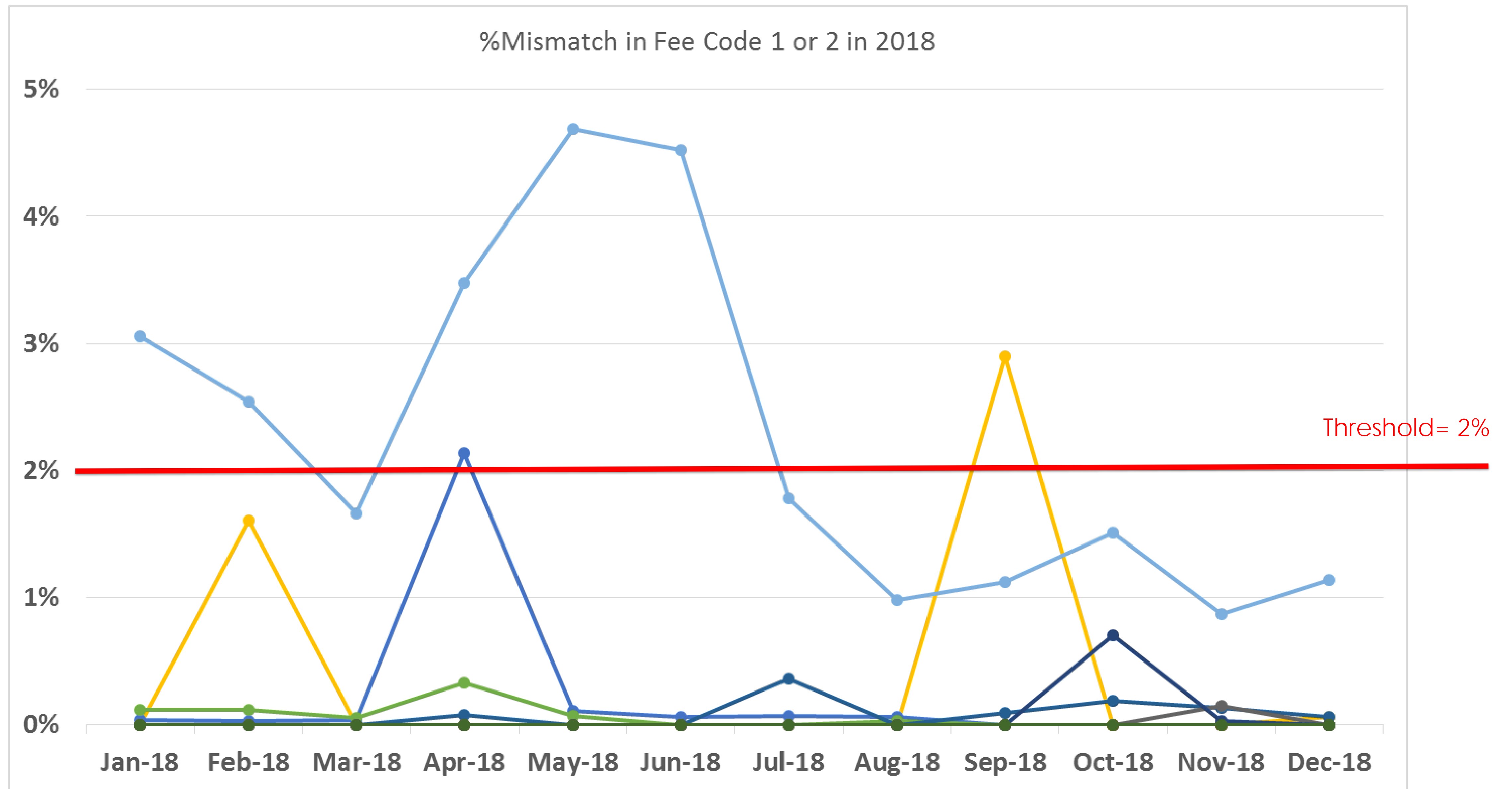
2018



Monthly Performance of All Nominators on Herd Code Discrepancy in 2017 and 2018

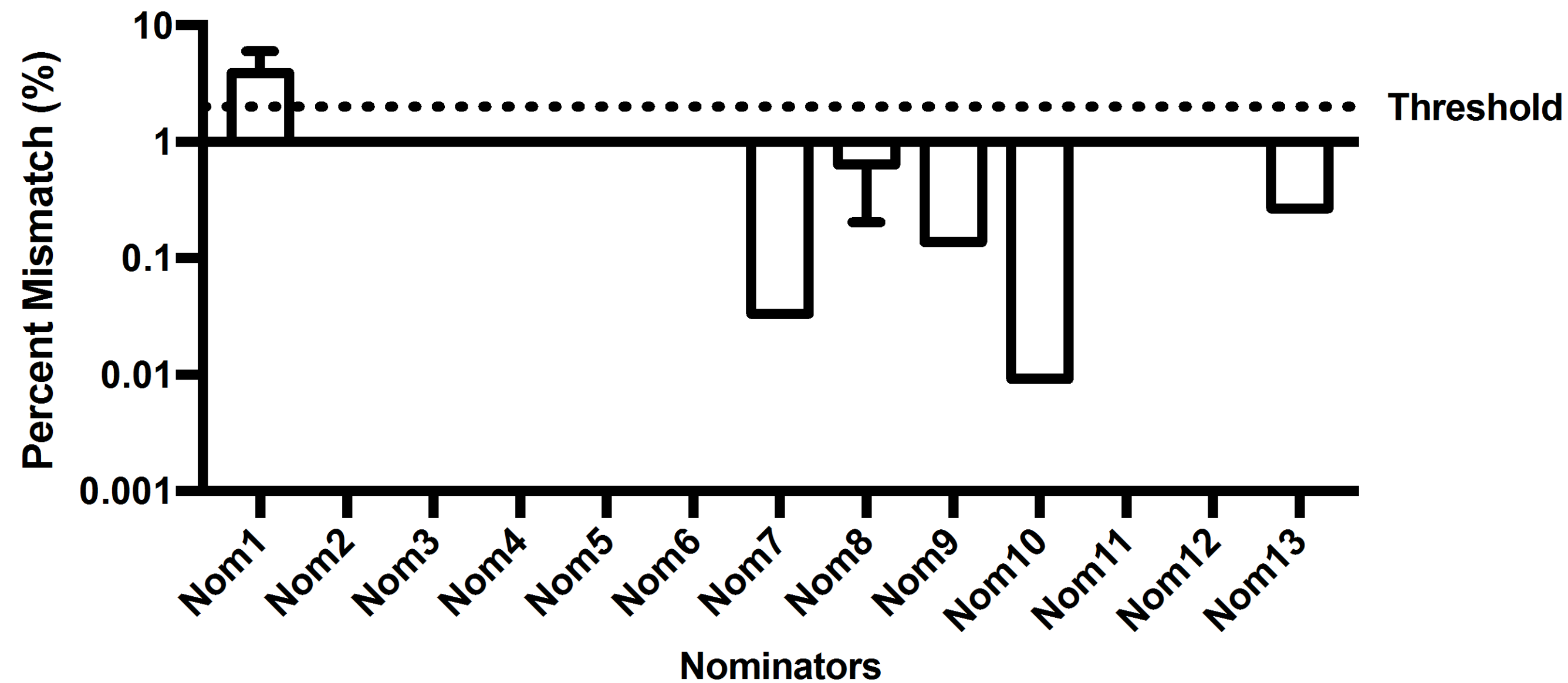


Incidence(data point) = $\frac{\text{\# occurrences in the month}}{\text{\# Total GT nominated in the month}}$

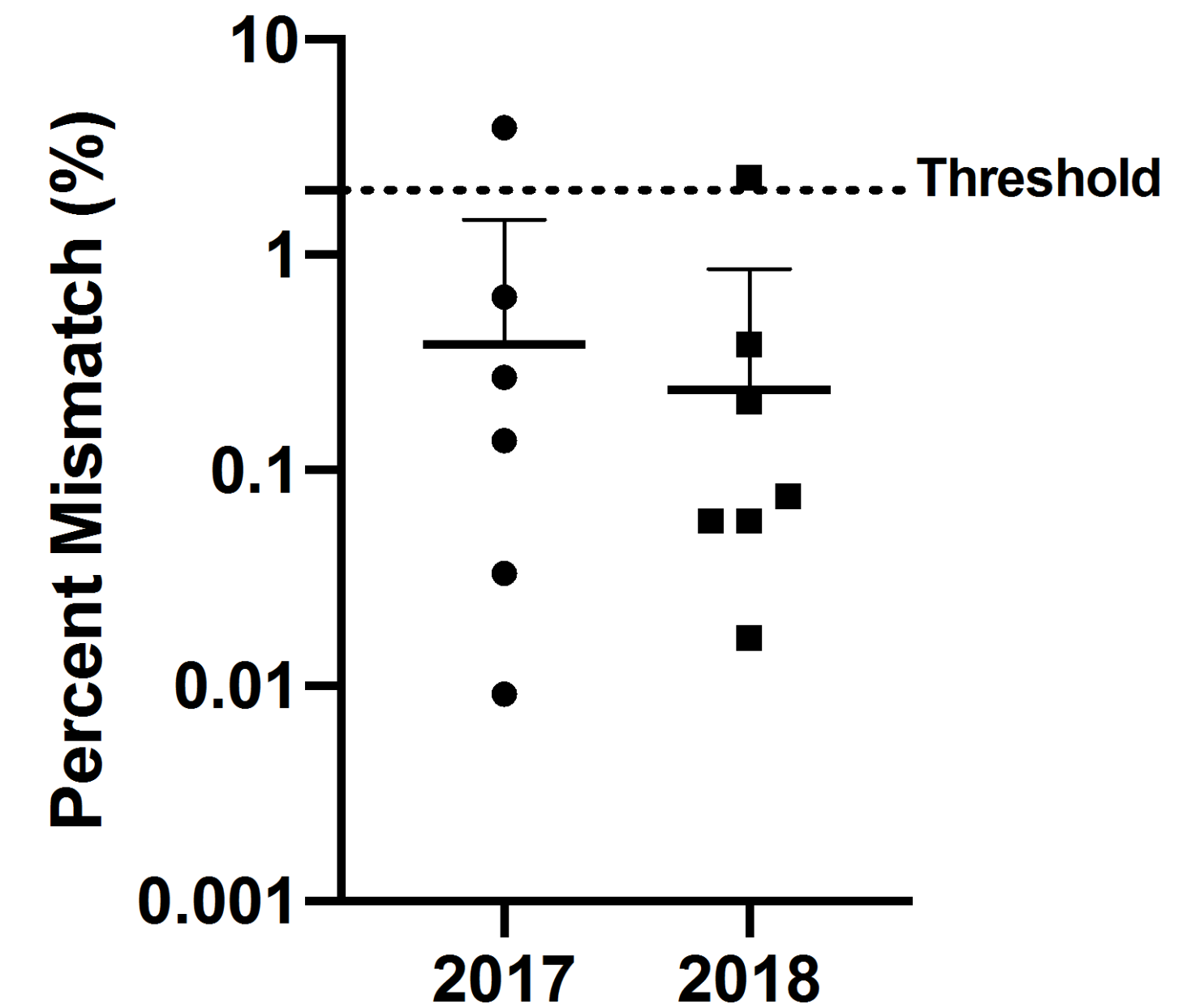
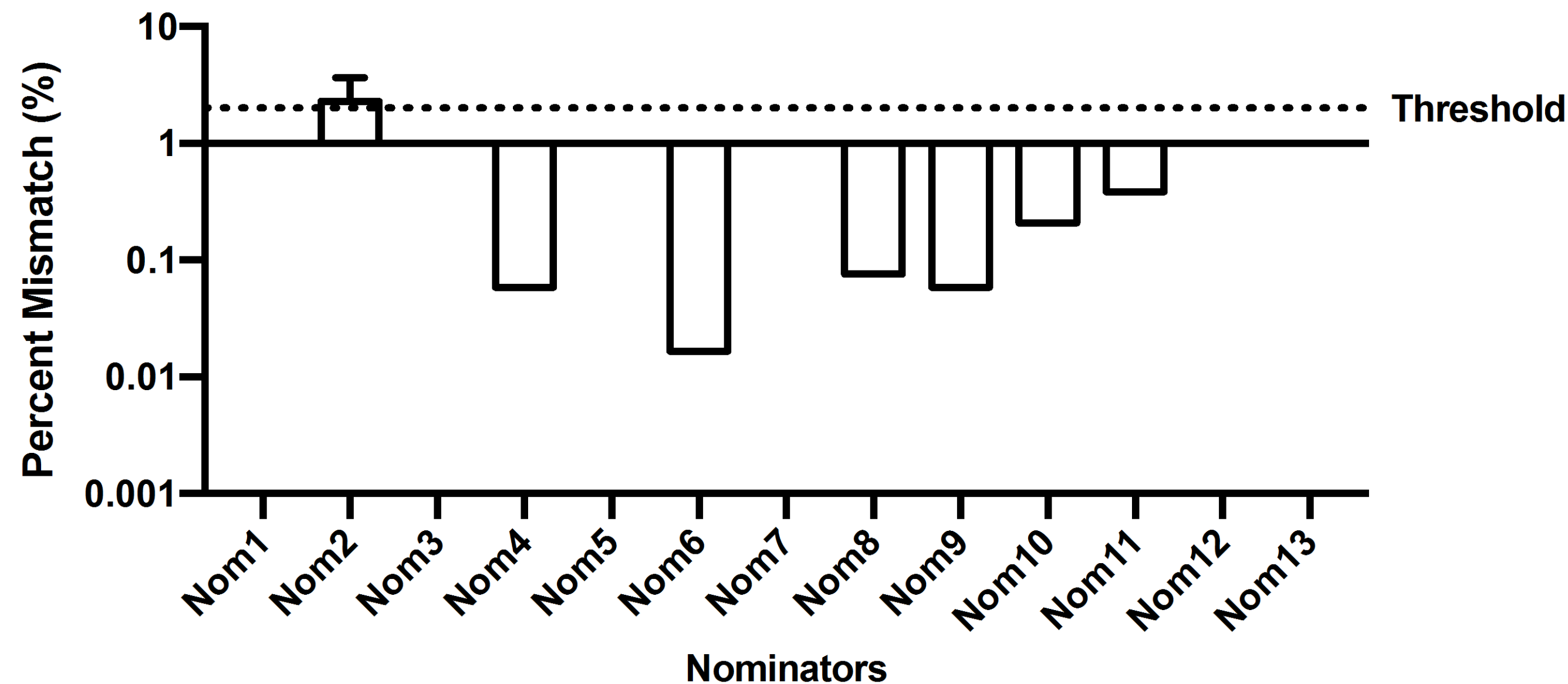


Nominators' Performance on Mismatch in fee 1 and 2 in 2017 and 2018

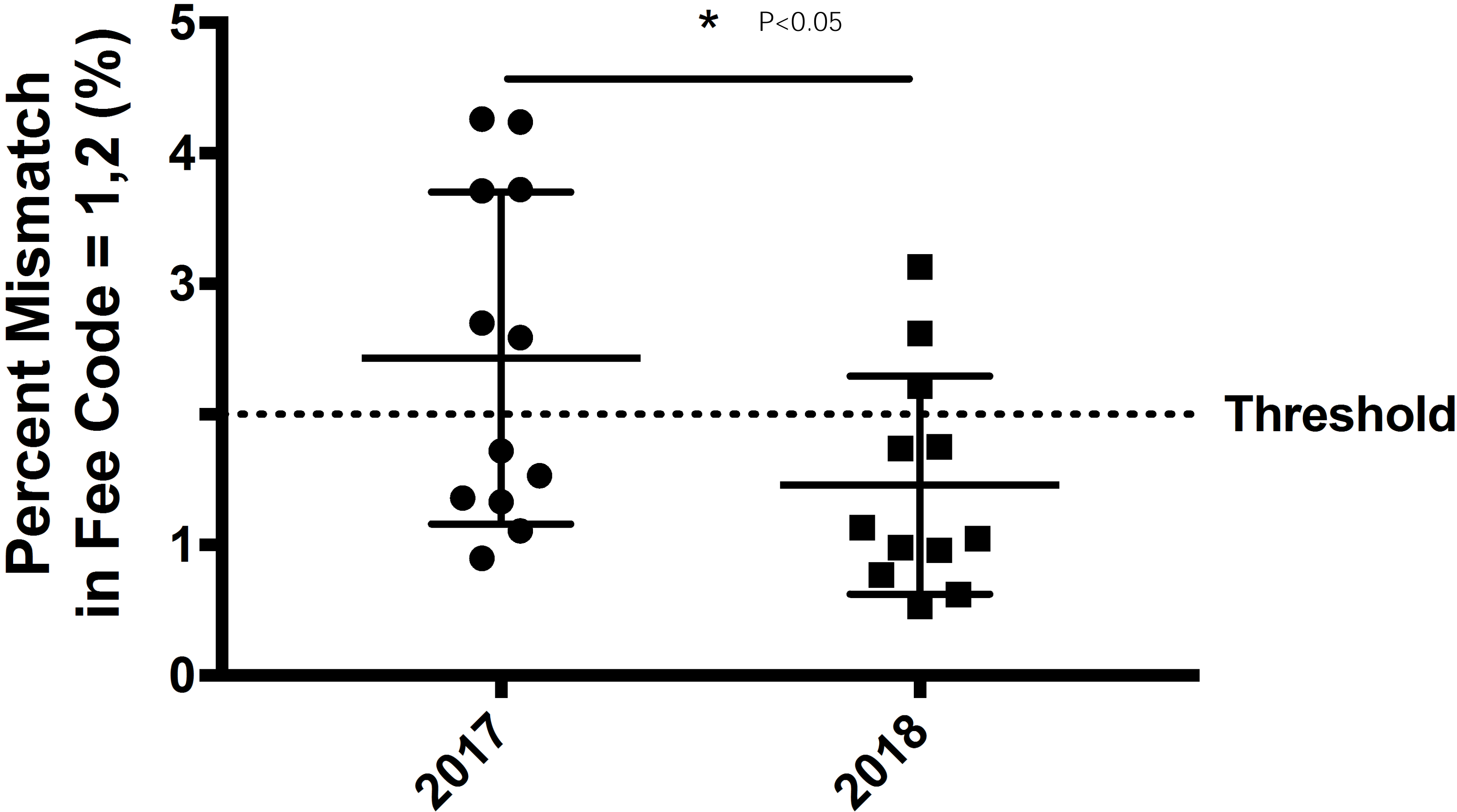
2017



2018



Monthly Performance of All Nominators on Mismatch in fee code 1 or 2 in 2017 and 2018



Incidence(data point) = $\frac{\text{\# occurrences in the month}}{\text{\# Total GT nominated in the month}}$

Observations on Performance in Critical Metrics

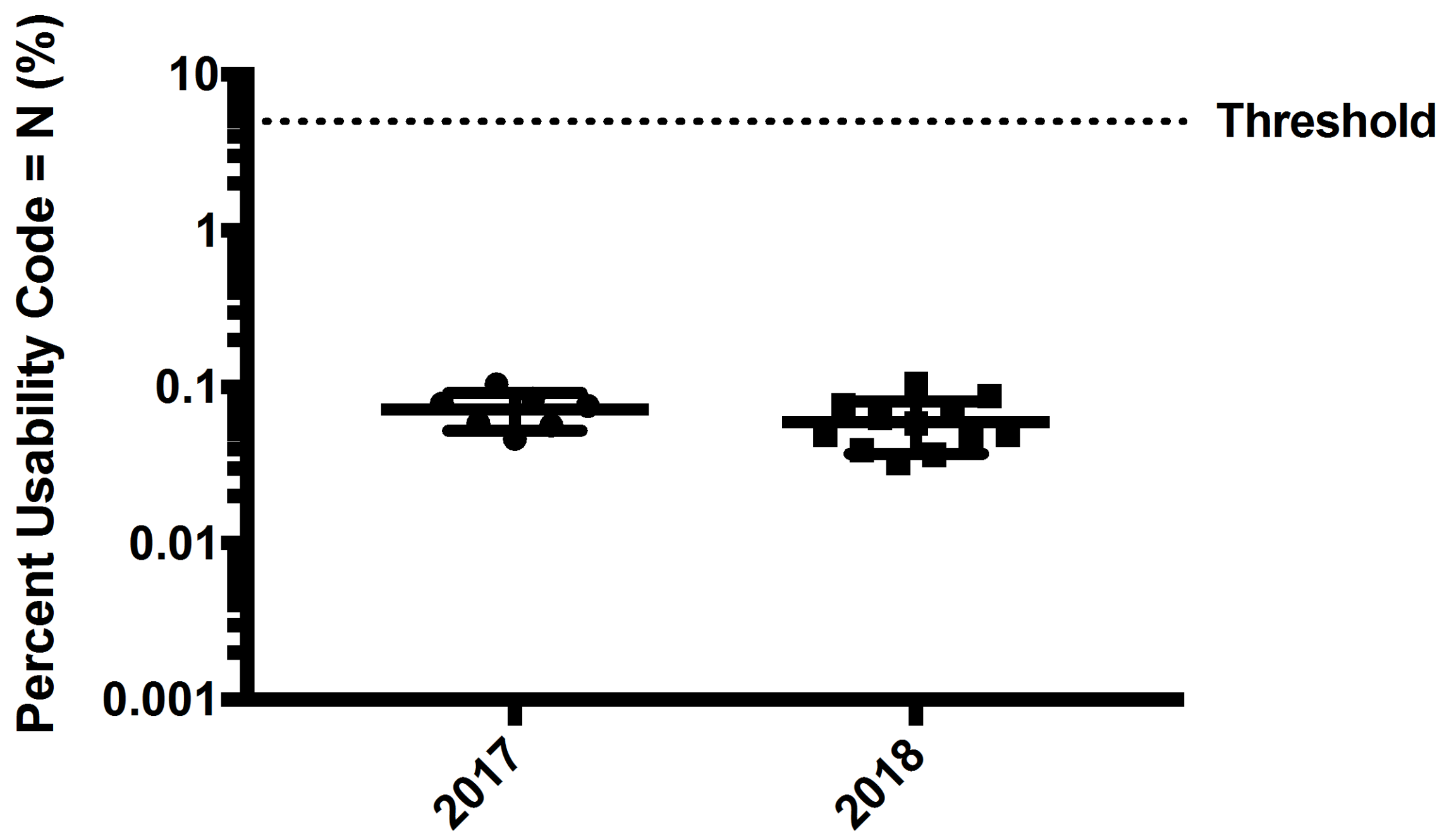
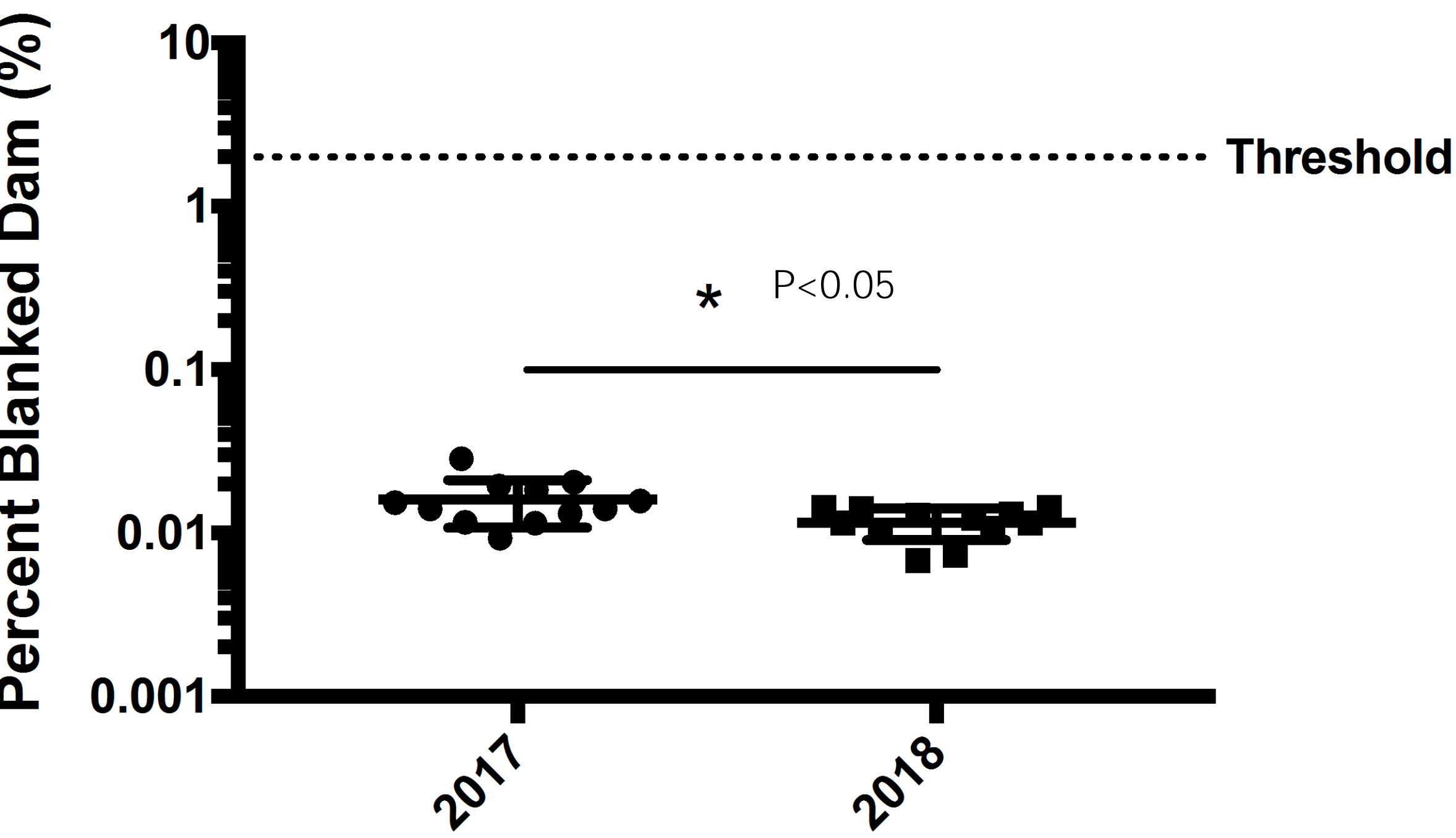
Critical Metric	Observation
No nomination when loading	Significant improvement in 2018(both individual and overall performance). Less deviation
Unknown animal ID	No significance (good). Nice work in both 2017 and 2018
Herd code discrepancy	No significance in individual performance, but very significant in overall performance
Mismatch in fee code 1 or 2	No significance in individual performance, but significant improvement in overall performance

Nominators Overall performance in 2017 and 2018

For **Major Metrics**

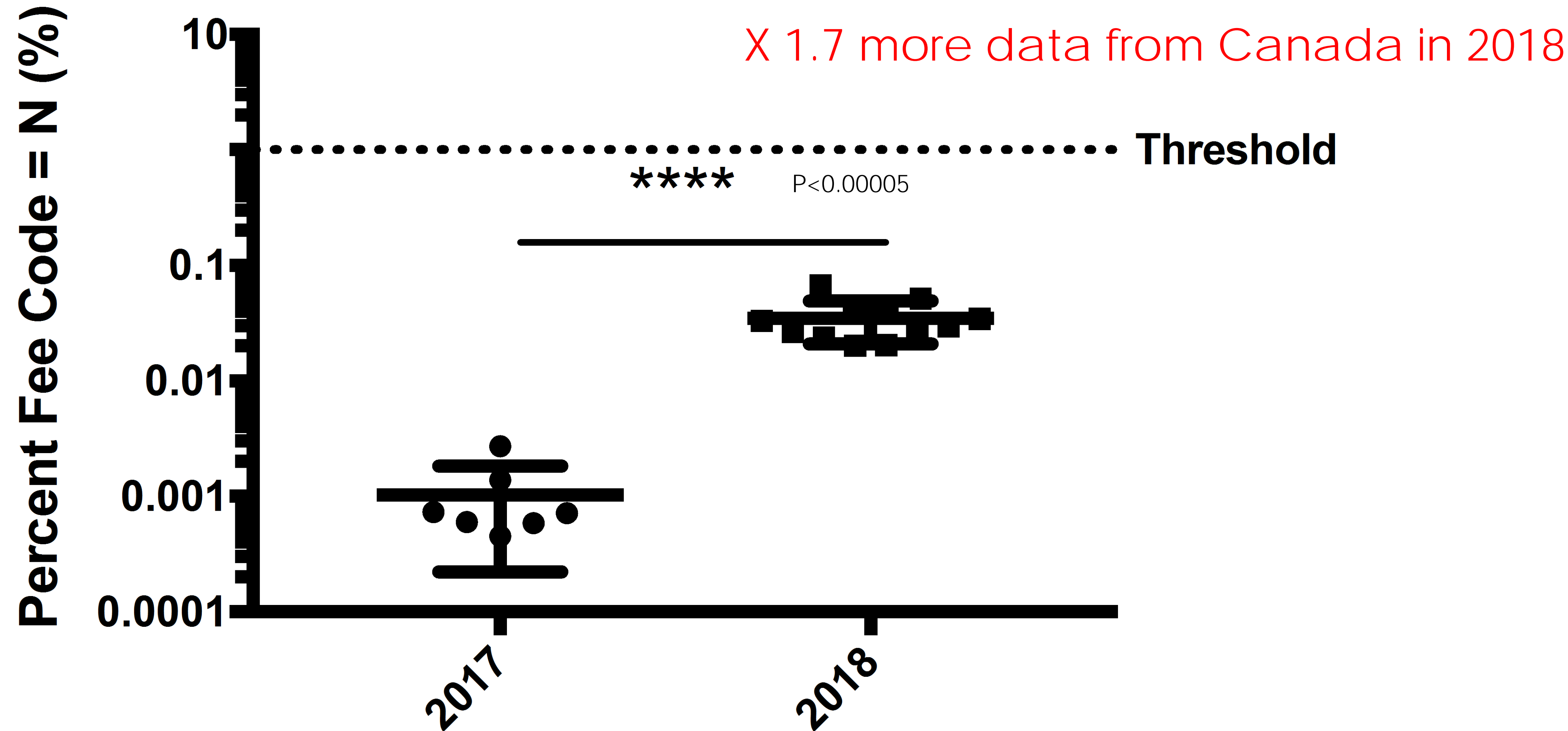
- CDCB blanked dams due to conflict Threshold: 2%
- Usability code = N Threshold: 5%
- Fee code = N Threshold: 1%
- Genotype withdrawn Threshold: 1%
- Genotype reassigned Threshold: 1%

Monthly Performance of All Nominators on CDCB Blanked Dam Due to Conflict and Usability Code=N

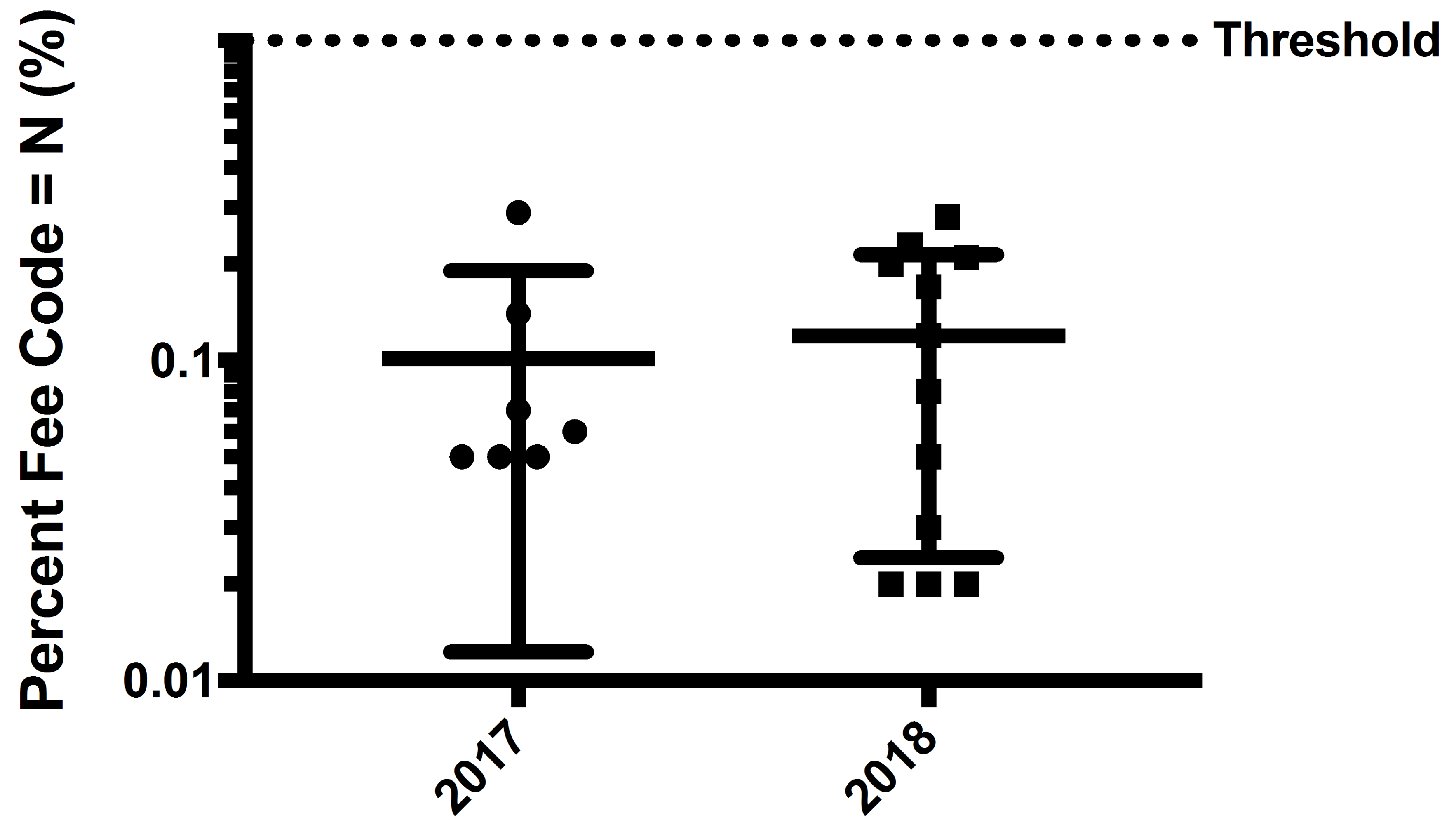


Incidence(data point) = $\frac{\text{\# occurrences in the month}}{\text{\# Total GT nominated in the month}}$

Monthly Performance of All Nominators on Fee Code = N

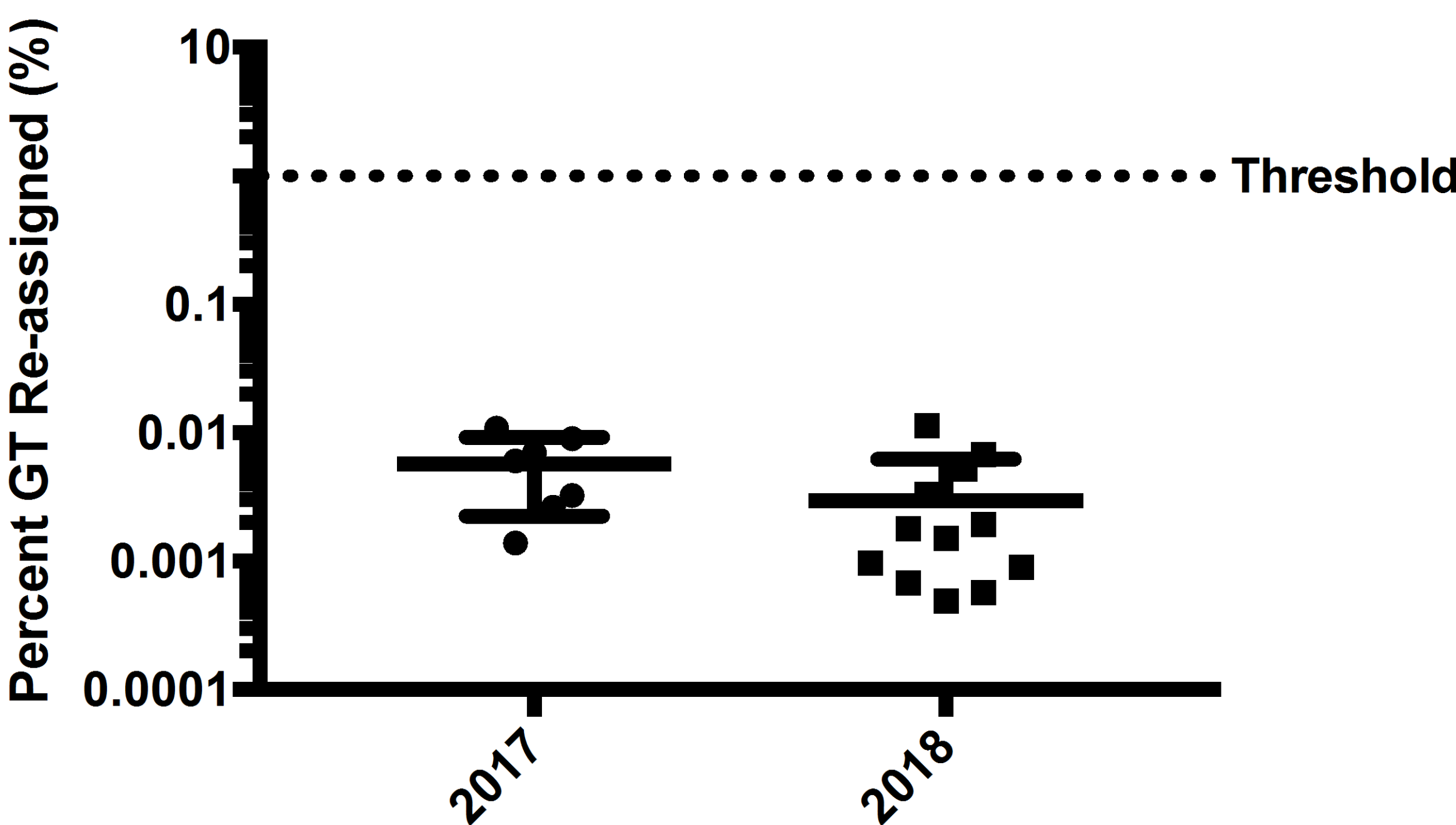
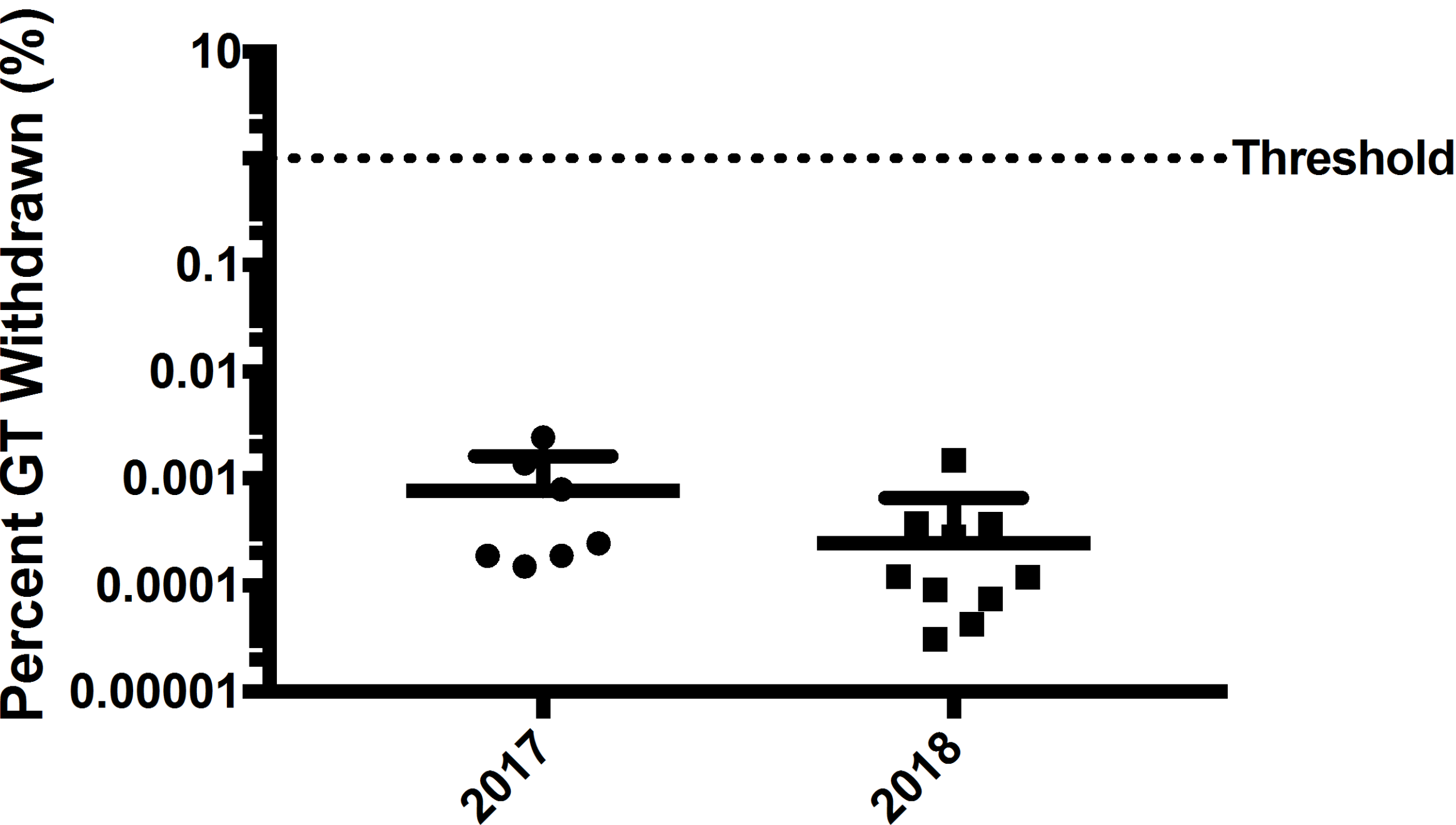


Monthly Performance of All Nominators on Fee Code = N (*without Canadian Nomination*)



Incidence(data point) = $\frac{\text{\# occurrences in the month}}{\text{\# Total GT nominated in the month}}$

Overall Monthly Performance on “Genotype Withdrawn” and “Genotype Reassigned”



Incidence(data point) = $\frac{\text{\# occurrences in the month}}{\text{\# Total GT nominated in the month}}$

Observations on Performance in Major Metrics

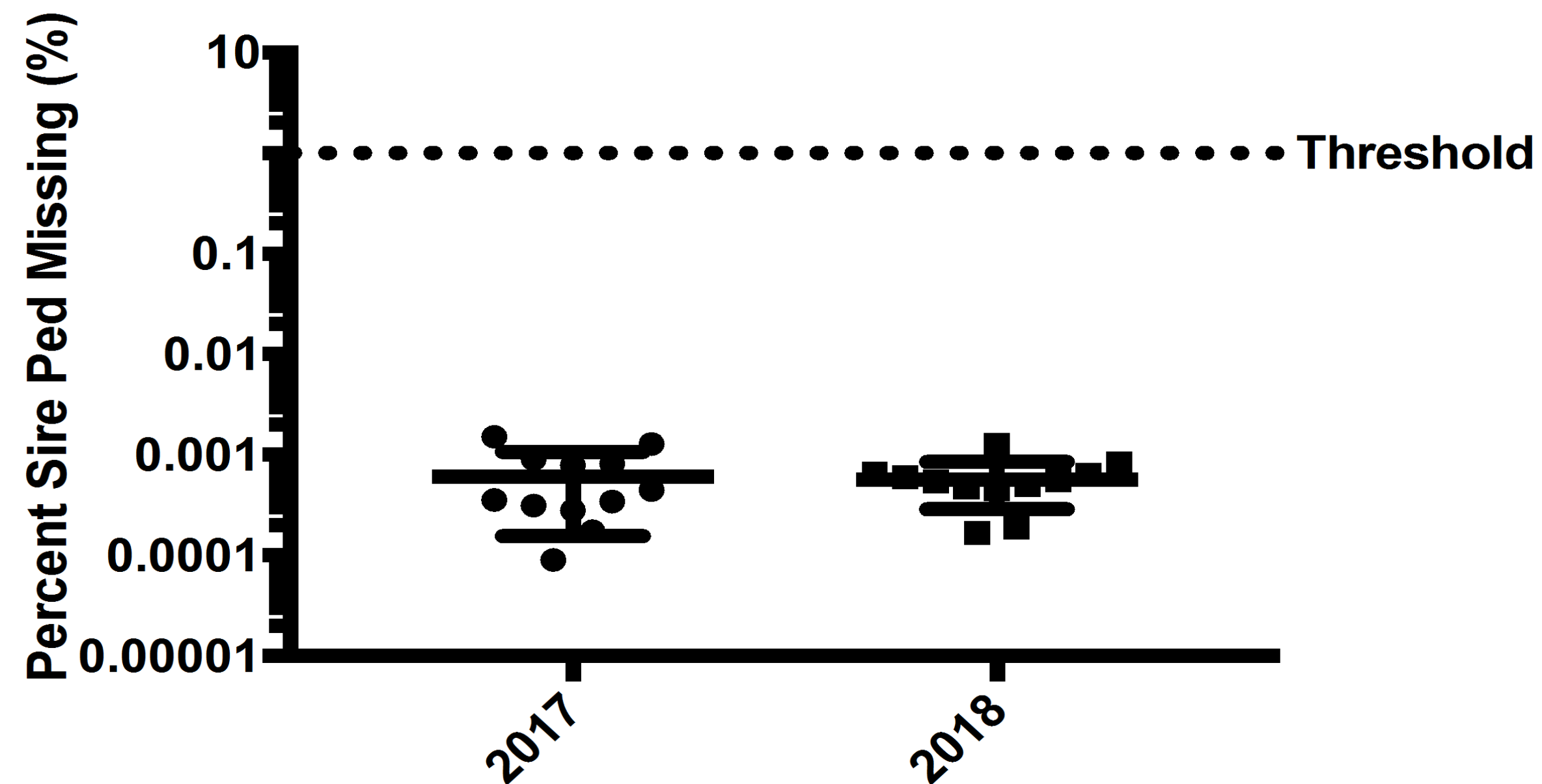
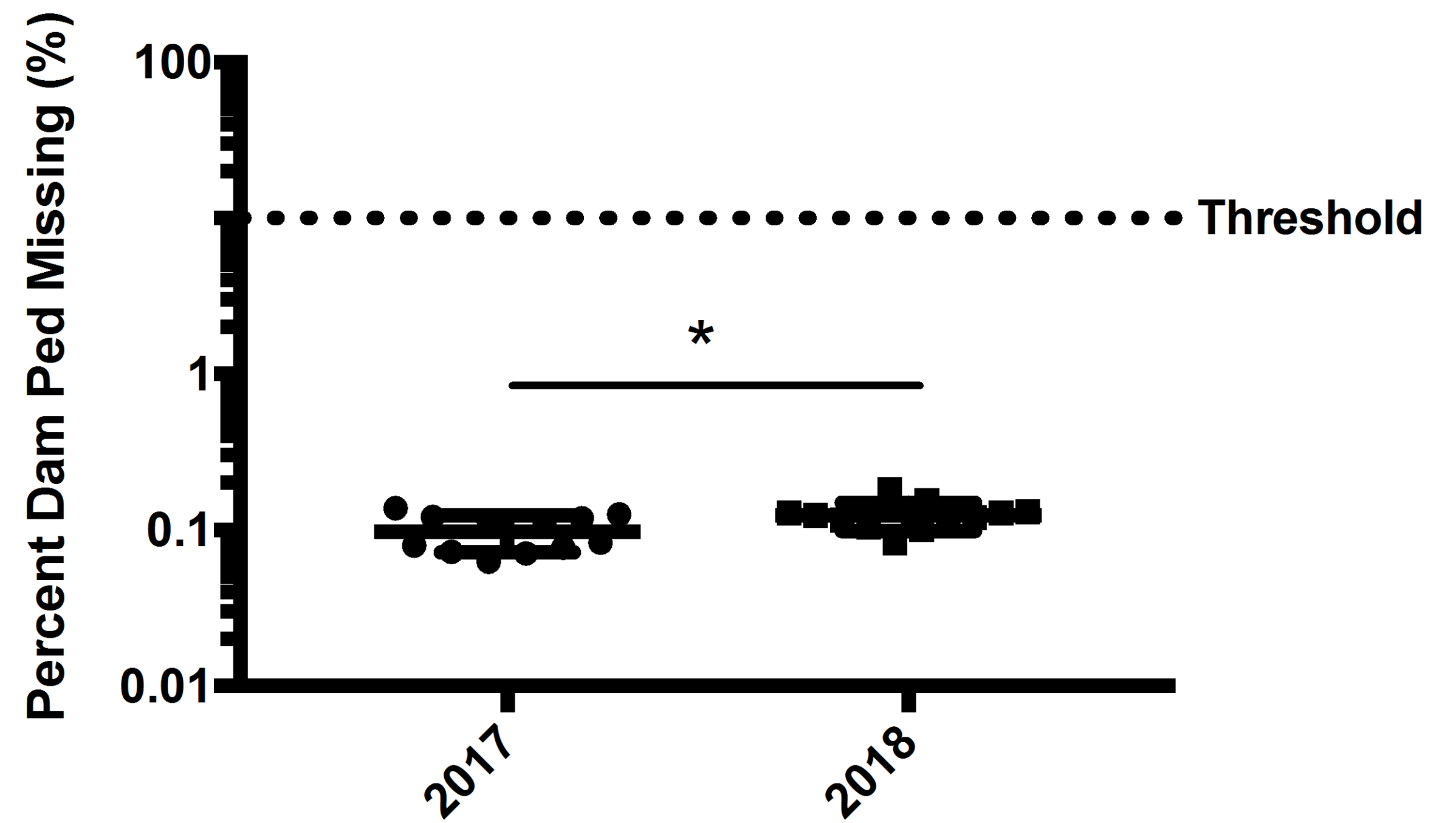
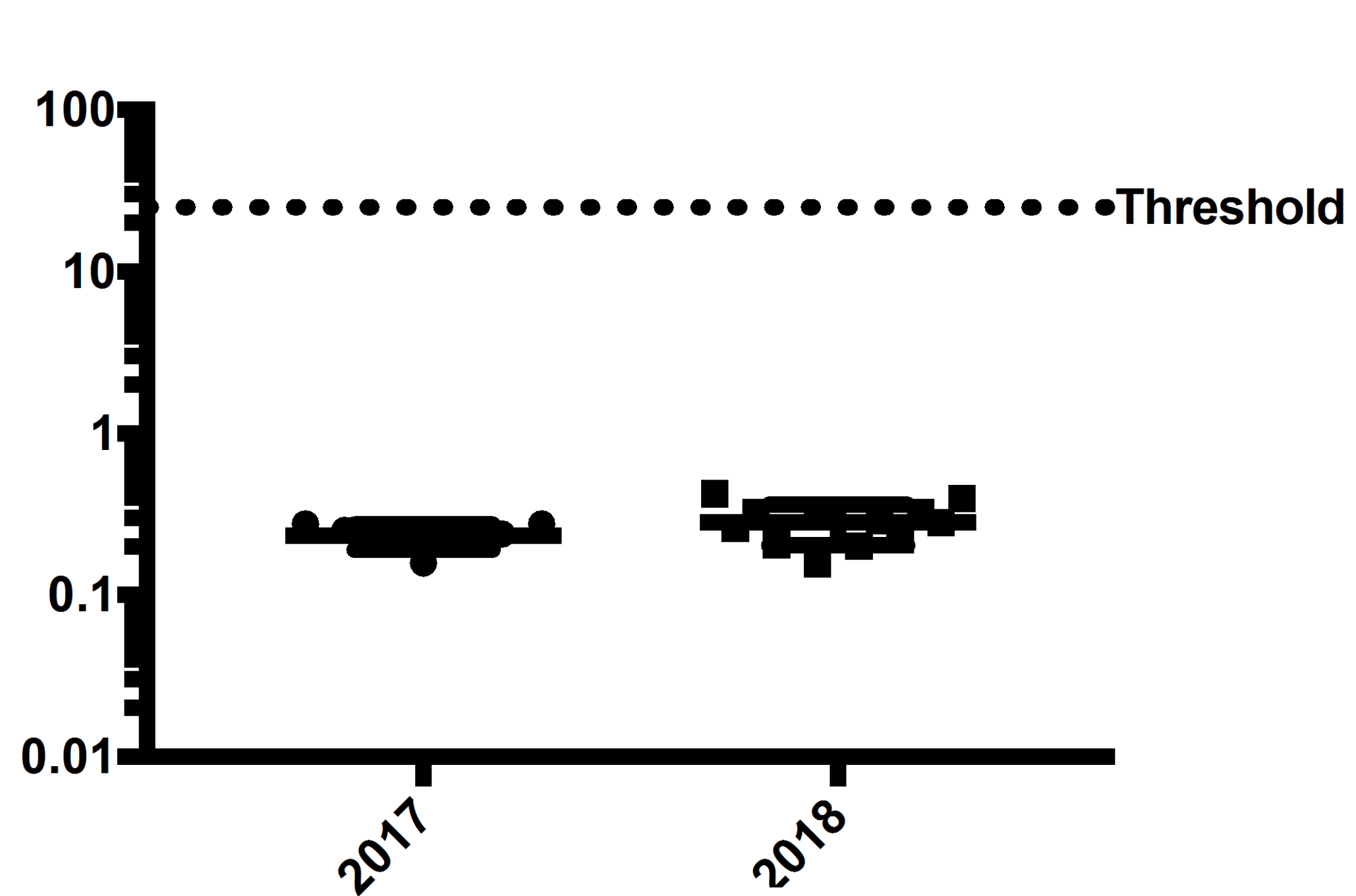
Major Metric	Observation
CDCB blanked Dam	Improved performance in 2018. Less than threshold
Usability Code = N	No significance, but less than threshold
Fee Code = N	Significantly higher in 2018, due to increase of CAN data
Genotype Withdrawn	No significance, but less than threshold
Genotype Reassigned	No significance, but less than threshold

Nominators Average performance in 2017 and 2018

For **Minor Metrics**

- **Changes in pedigree** Threshold: 25%
- **Sire pedigree missing** Threshold: 1%
- **Dam pedigree missing** Threshold: 10%

Percent Changes in Pedigree (%)



Observations on Performance in Minor Metrics

Minor Metric	Observation
Change in Pedigree	No Significance, but less than the threshold
Sire Pedigree Missing	No Significance, but less than the threshold
Dam Pedigree Missing	Significantly higher in 2018, due to more genotypes from International and commercial herds

Summary of QC Audit Review

- Overall, the performance was improved in 2018 compared to 2017
 - **Thank you very much for your effort and great work, everyone!!**
- It was a mutually beneficial opportunity for CDCB and nominators to exchange valuable information in order to improve our operations
- The review process was smoother than last year (with a lead of Jose this year!)
- A final QC audit report has been sent to each nominator
- CDCB is always open to receive feedback or comments for improvements
- CDCB adjusted the QC metrics considering the new updates in the system (fee schedule)

QC Metrics Update in 2019

- No nomination when loading Threshold: 1%
- Unknown animal ID Threshold: 1%
- IDs with 573/574 Threshold: 1% (*OBSOLETE*)
- Herd code discrepancy Threshold: 1% (*OBSOLETE*)
- Mismatch in fee code 1 or 2 Threshold: 2% (*OBSOLETE*)
- CDCB blanked dams due to conflict Threshold: 2%
- Usability code = N Threshold: 5%
- Fee code = N Threshold: 1%
- Genotype withdrawn Threshold: 1%
- Genotype reassigned Threshold: 1%
- Changes in pedigree Threshold: 25%
- Sire pedigree missing Threshold: 1%
- Dam pedigree missing Threshold: 10%
- Herd difference reason code (HRC) INFORMATION ONLY (NEW)

