



# Voltage Sweeps

Voltage Sweeps

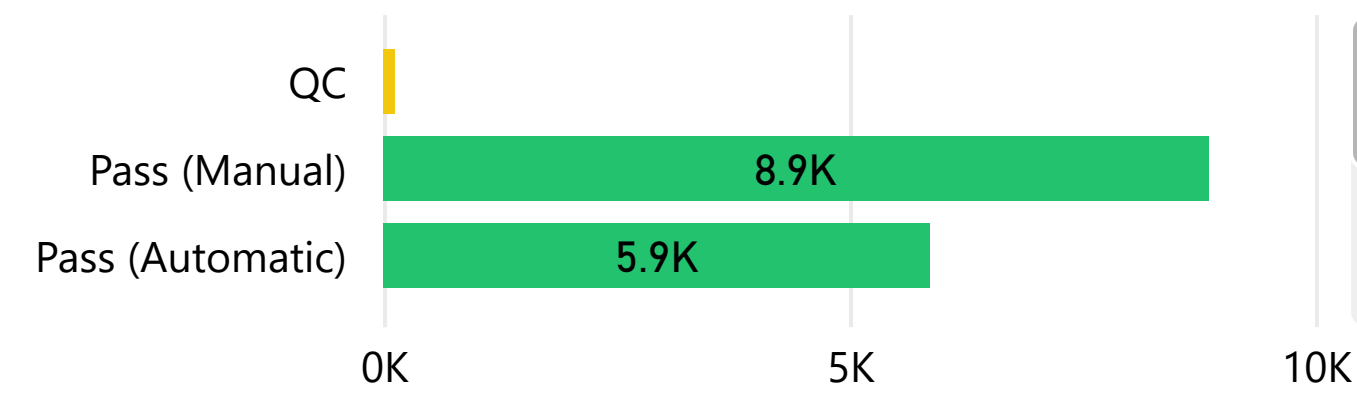
Stimulus Sets

Feature Extraction

2023 Avg RMS

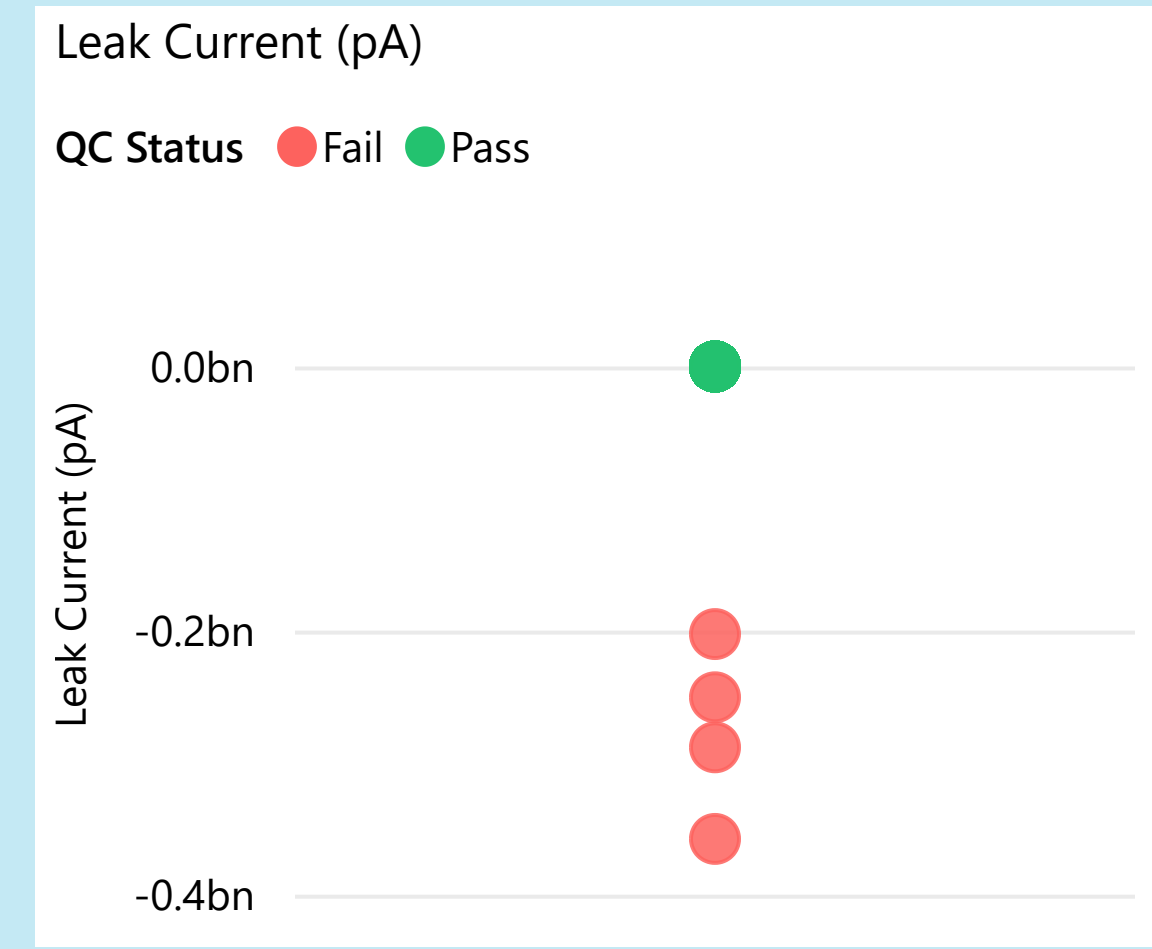
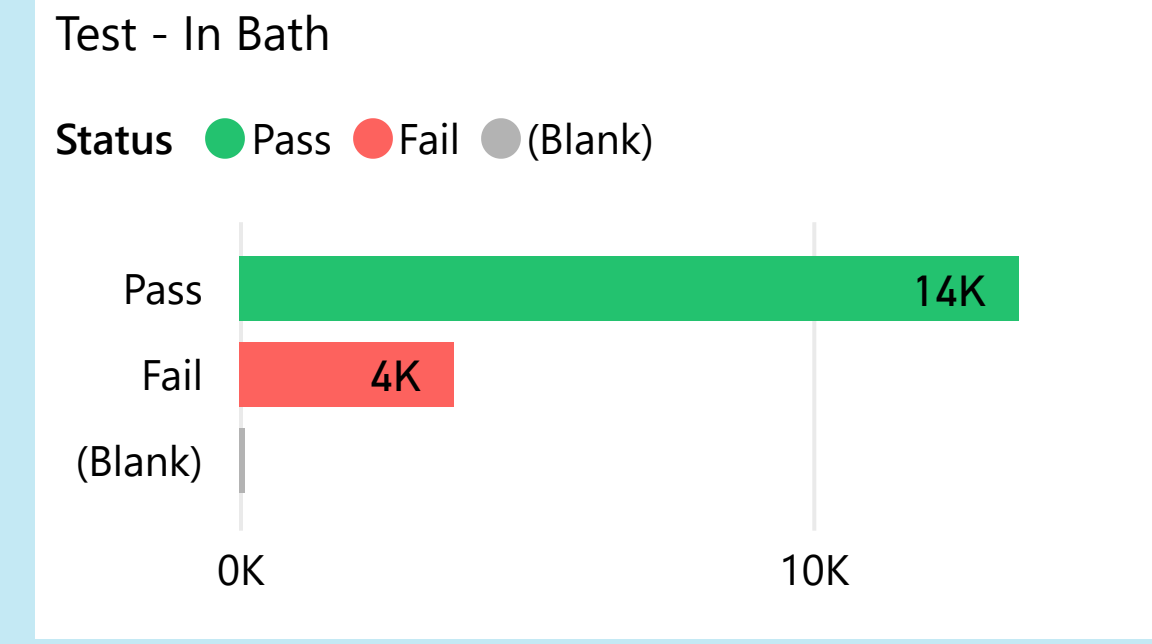
2023 Noise - 60 Hz

## Voltage-Level QC Status

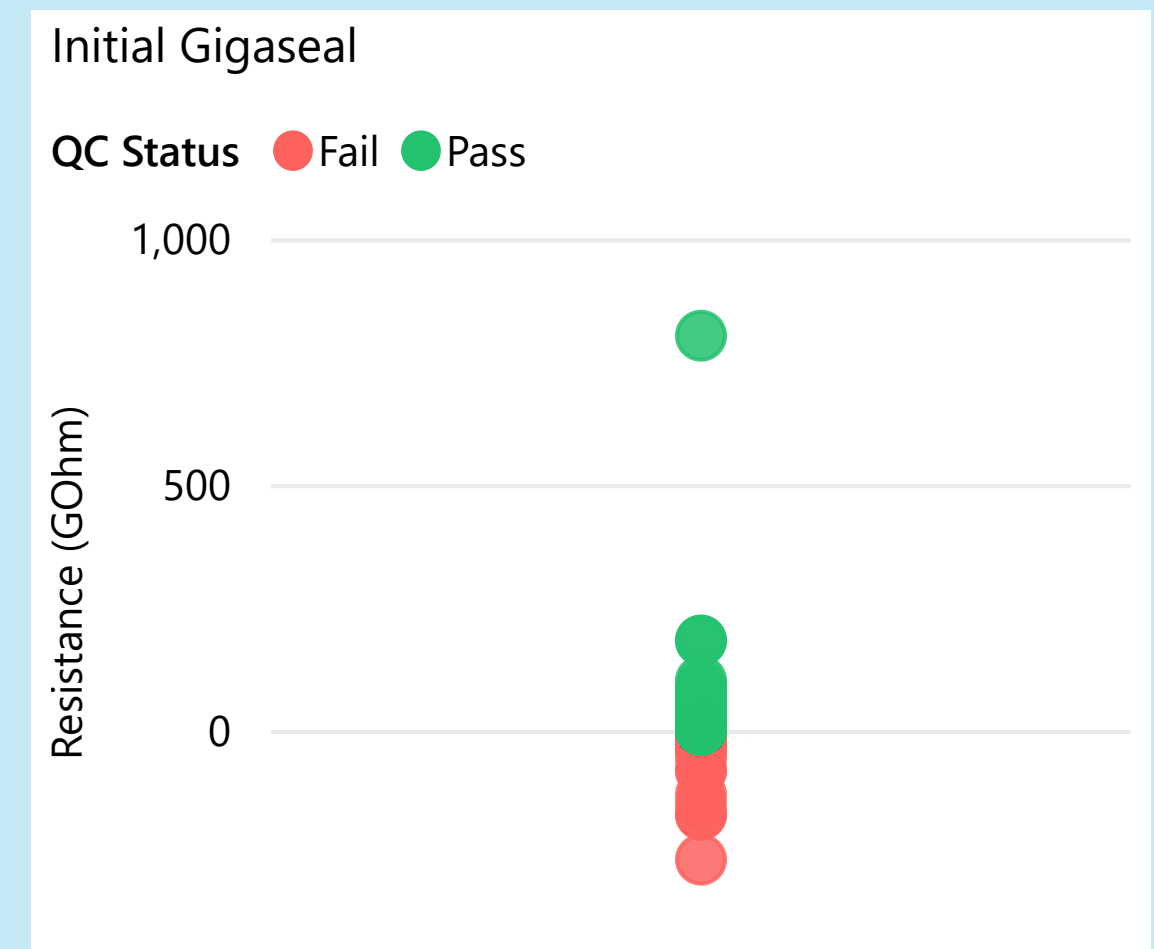
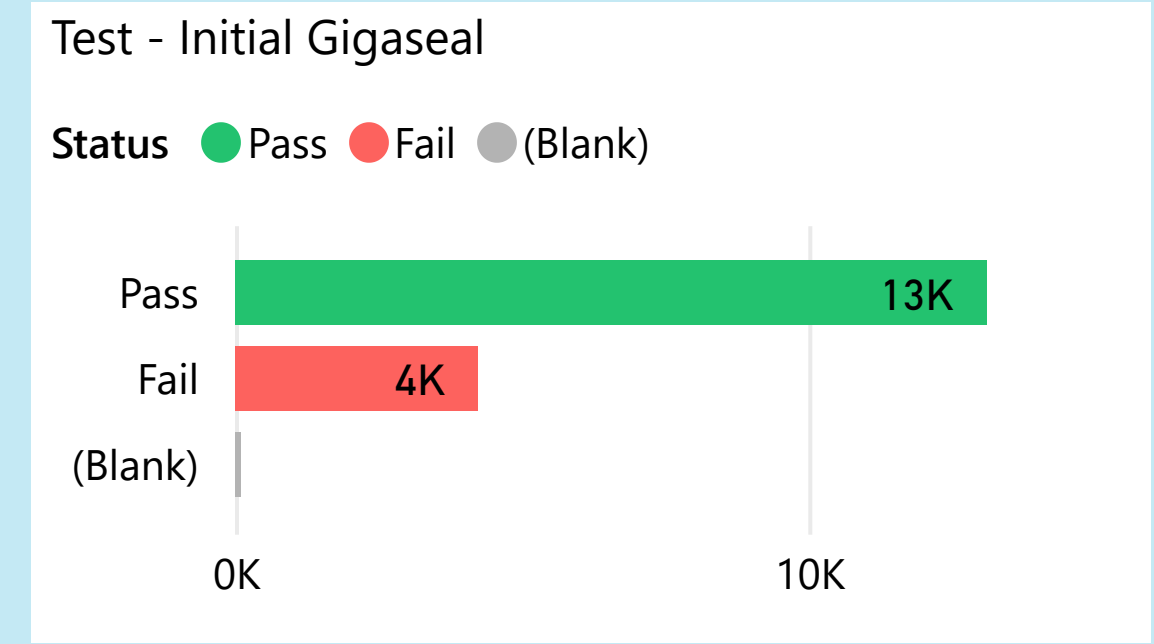


Date	Cell Name	Patch Tube ID	Voltage-Level QC Status	In Bath Status	Leak Current (pA)
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.02.01.01	PXS4_230421_503_A01	Fail (Automatic)	Pass	20.64
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.02.01.02	PXS4_230421_504_A01	Pass (Automatic)	Pass	12.36
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.02.01.03	PXS4_230421_505_A01	Pass (Automatic)	Pass	4.48
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.02.01.04	PXS4_230421_506_A01	Pass (Automatic)	Pass	15.01

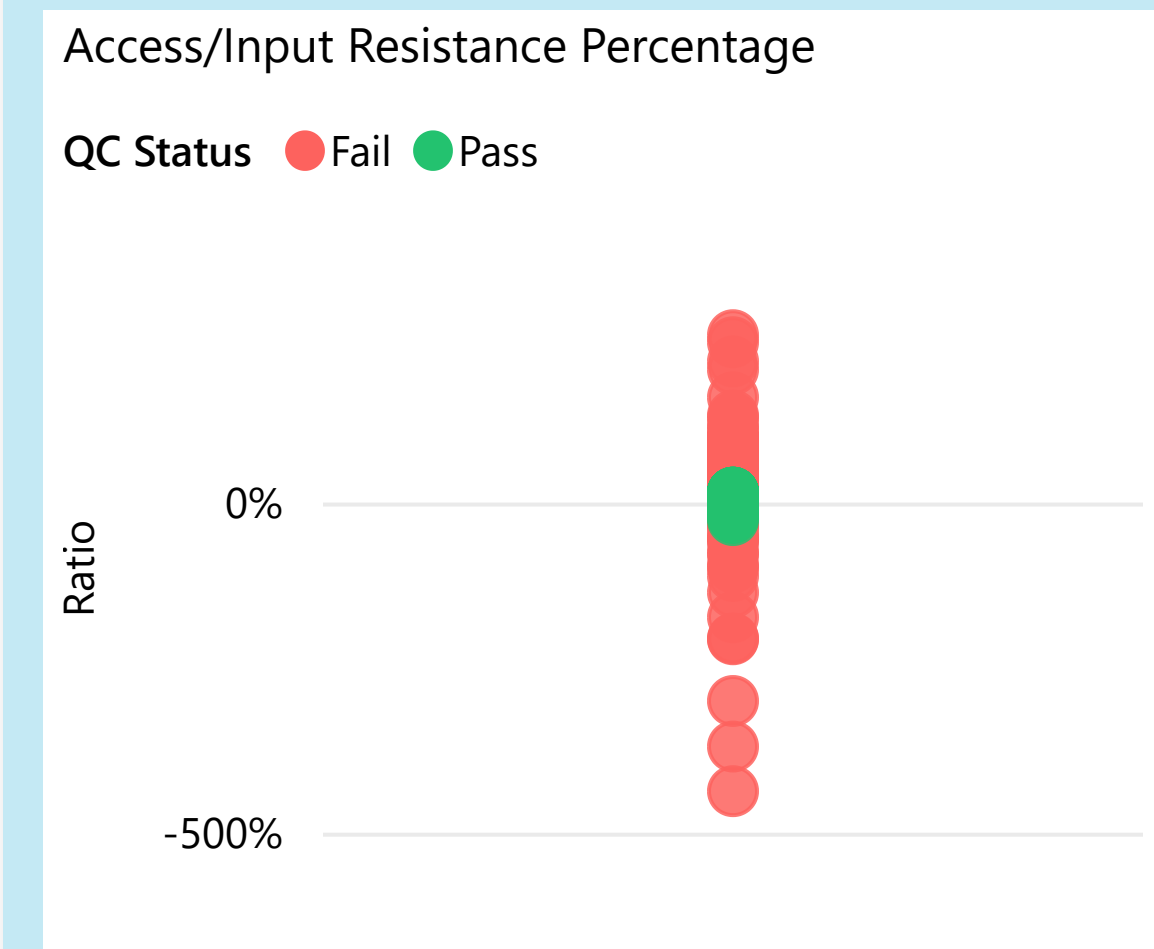
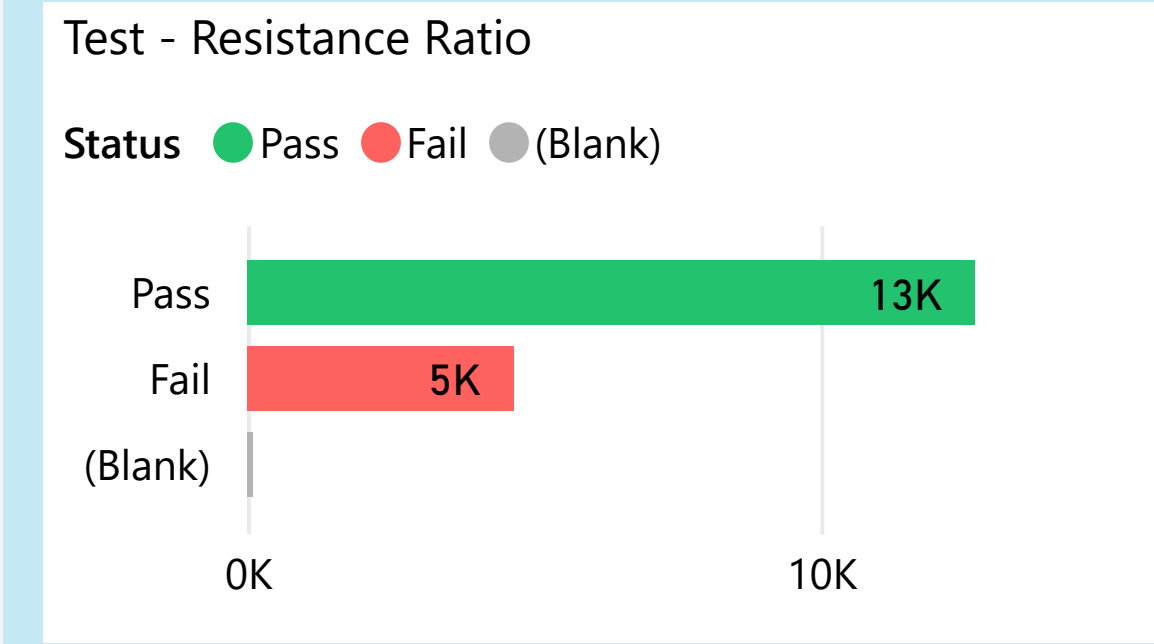
## In Bath



## Cell Attached



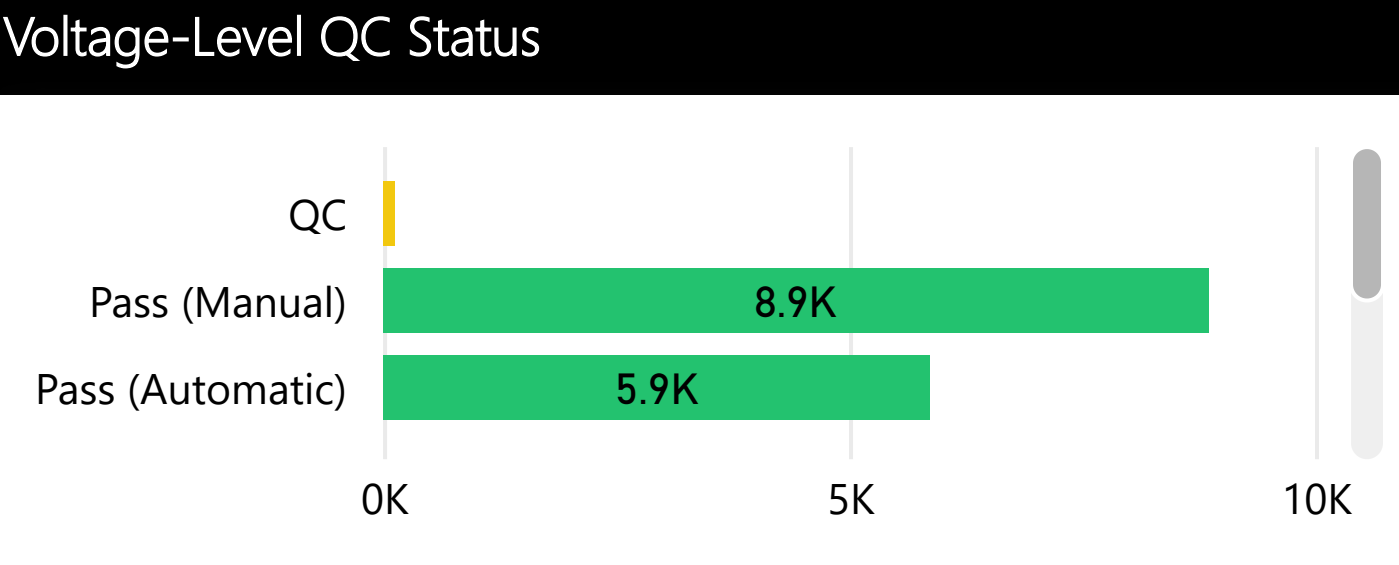
## Break In





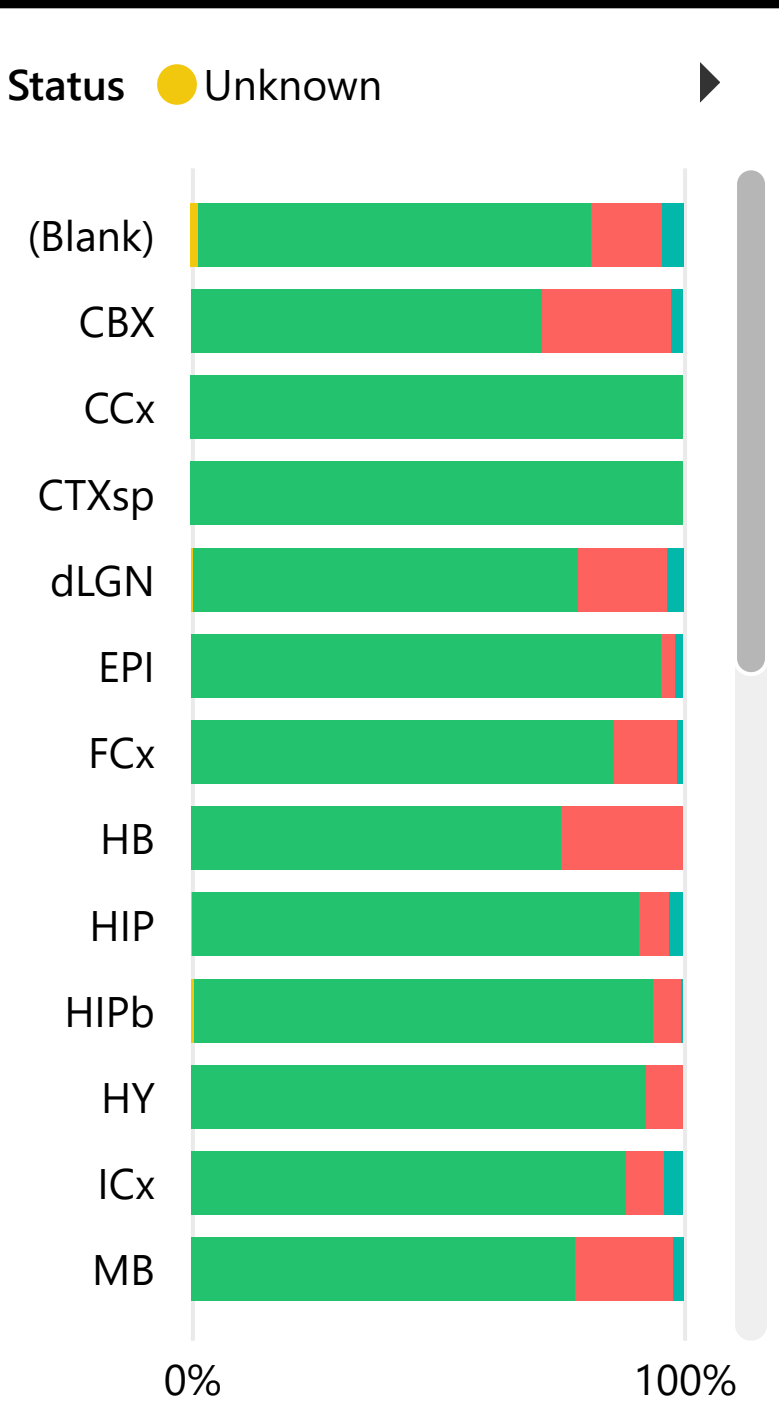
# Stimulus Sets X1 - X7

Voltage Sweeps

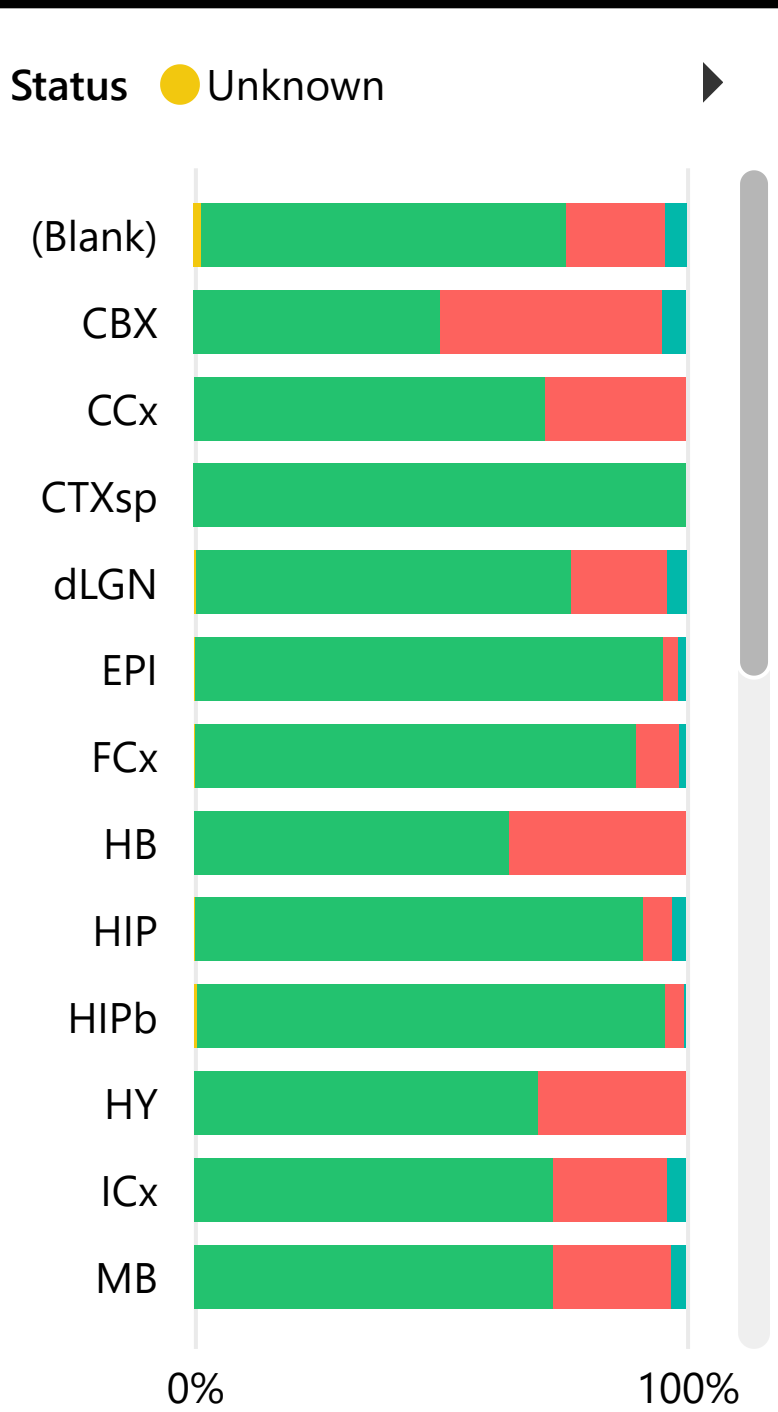


Stimulus Sets

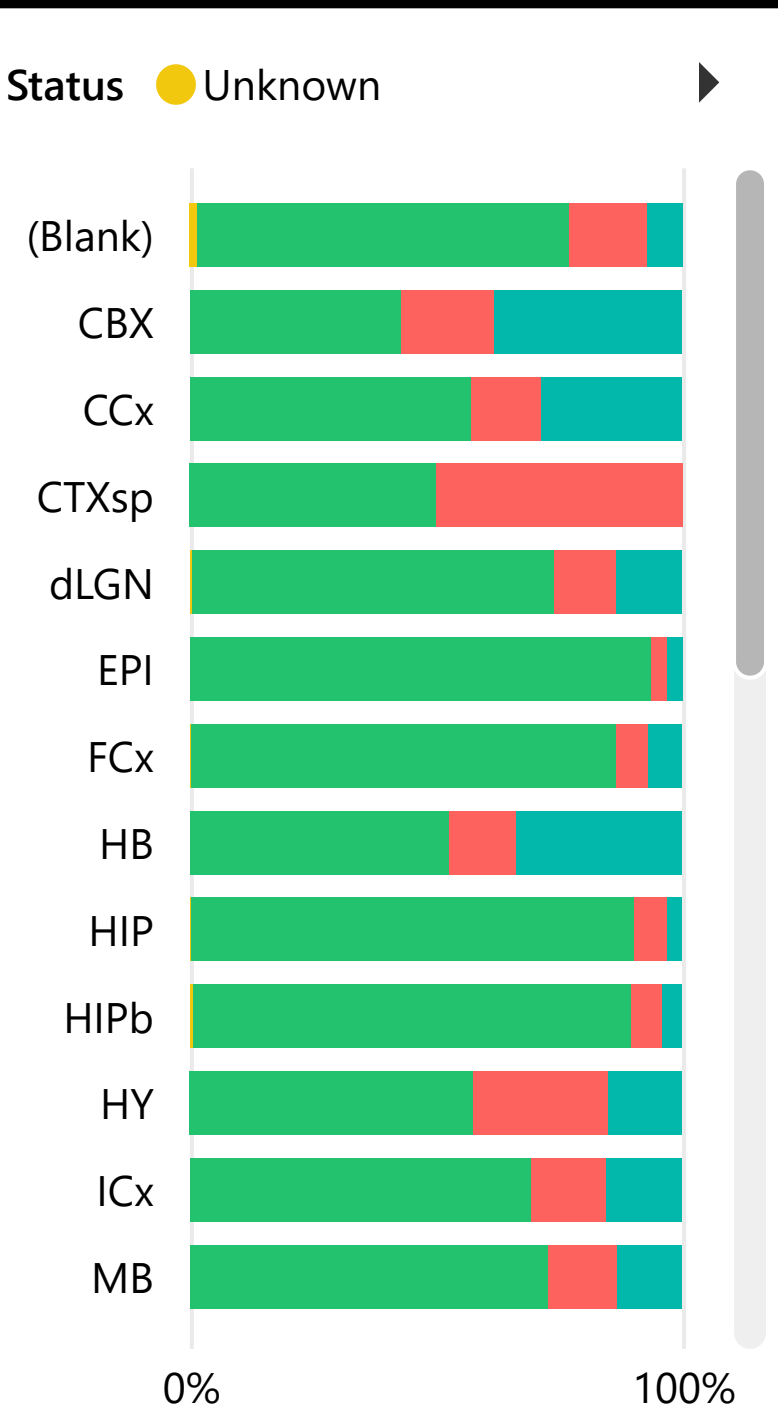
## Stimulus Set - X1



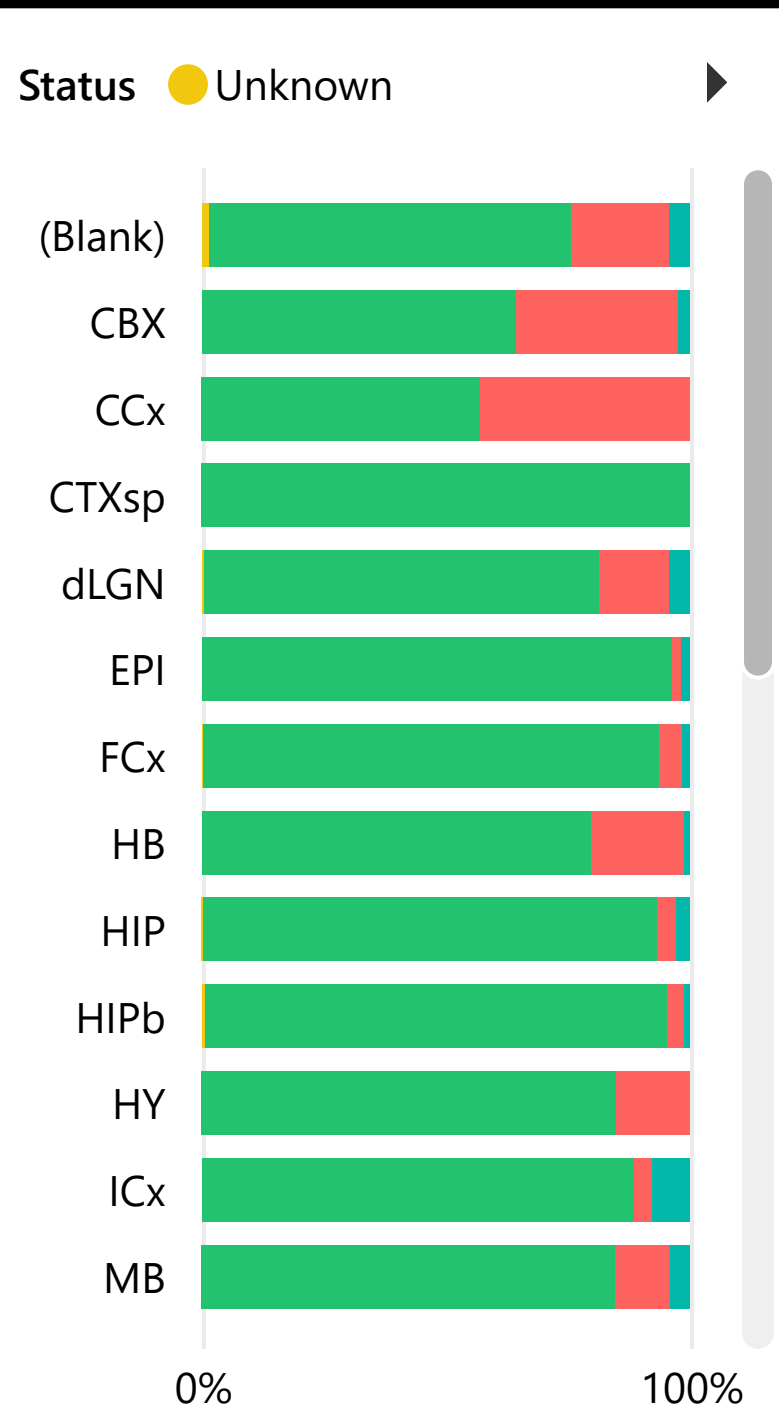
## Stimulus Set - X3



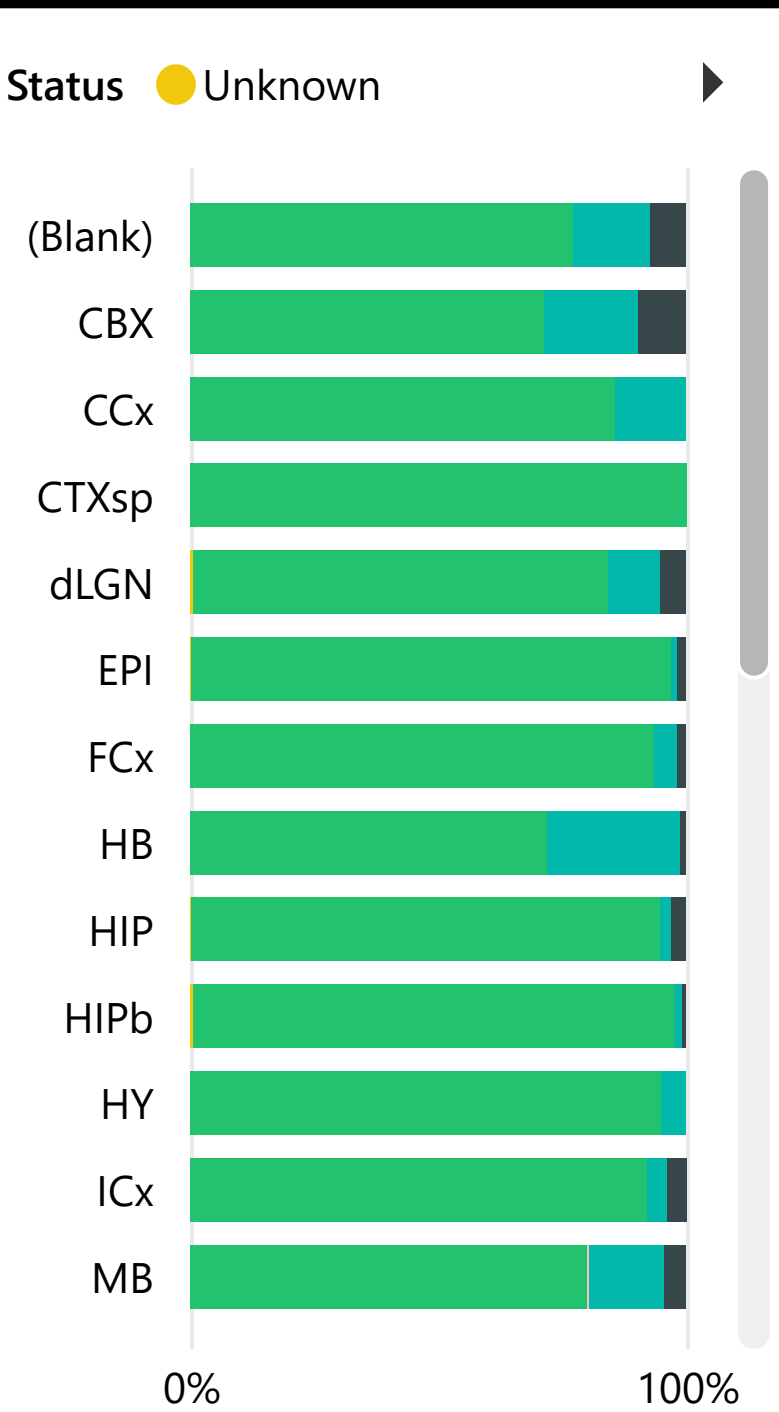
## Stimulus Set - X4



## Stimulus Set - X6



## Stimulus Set - X7



## Counts

(Blank)	212
CBX	42
CCx	7
CTXsp	2
dLGN	1472
EPI	1361

Feature Extraction

2023 Avg RMS

2023 Noise - 60 Hz



# Feature Extraction

Voltage Sweeps

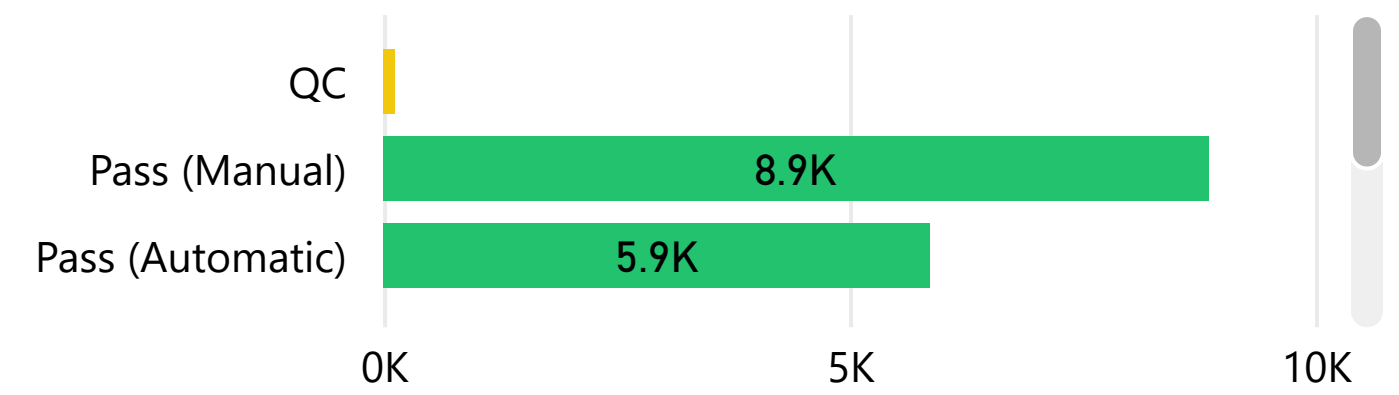
Stimulus Sets

Feature Extraction

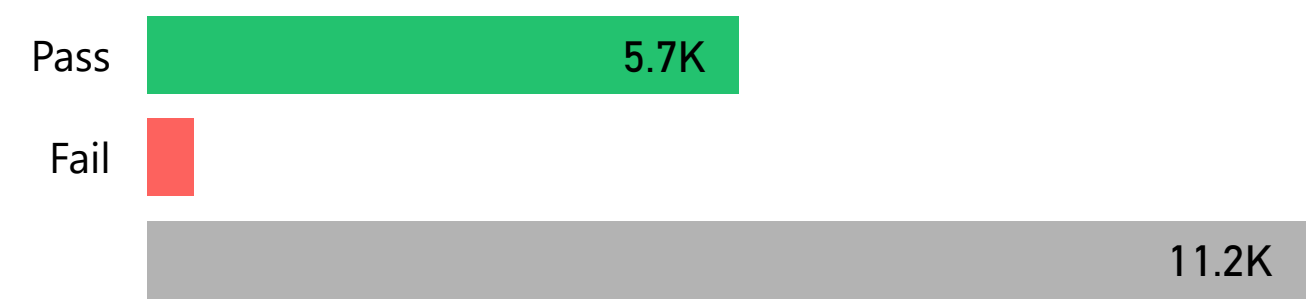
2023 Avg RMS

2023 Noise - 60 Hz

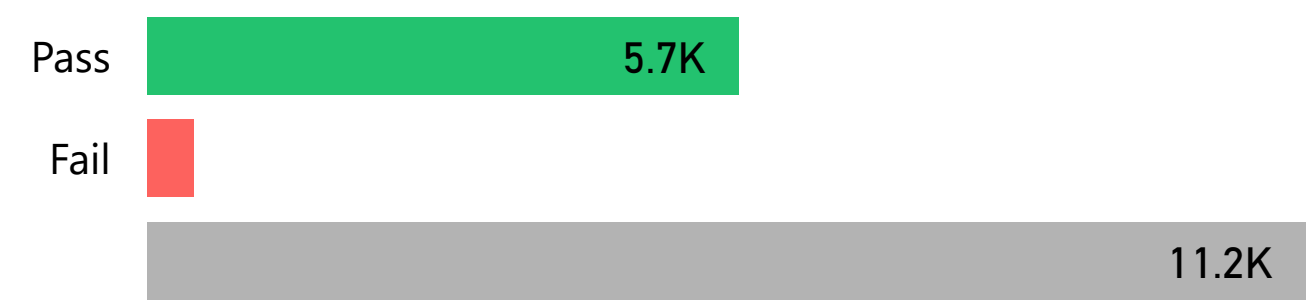
## Voltage-Level QC Status



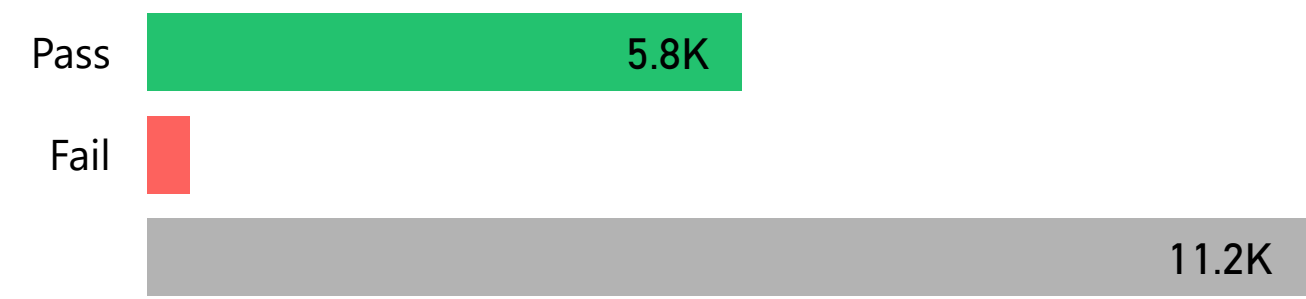
## LS Feature Extraction



## SS Feature Extraction



## Ramp Feature Extraction



Date	Cell Name	Patch Tube ID	Voltage-Level QC Status	Feature Extraction Status	Long Sq
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.02.01.01	PXS4_230421_503_A01	Fail (Automatic)		
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.02.01.02	PXS4_230421_504_A01	Pass (Automatic)	Pass	Pass
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.02.01.03	PXS4_230421_505_A01	Pass (Automatic)	Pass	Pass
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.02.01.04	PXS4_230421_506_A01	Pass (Automatic)	Pass	Pass

RMS (Voltage Clamp)

Voltage Sweeps

Stimulus Sets

Feature Extraction

2023 Avg RMS

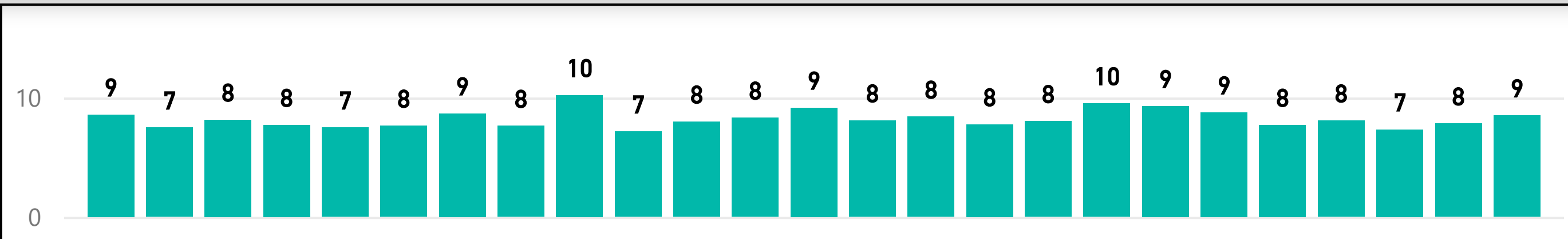
2023 Noise - 60 Hz

Date	cell_name	inbath
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.02.01.01	
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.02.01.02	
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.02.01.03	
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.02.01.04	
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.03.01.01	
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.03.02.01	
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.03.02.02	
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.05.01.01	
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.05.01.02	
21-Apr-23	Slc17a6-IRES-Cre;Ai14-670831.08.06.01	
21-Apr-23	Slc17a6-IRES-Cre;Ai14-670831.08.06.02	
21-Apr-23	Slc17a6-IRES-Cre;Ai14-670831.08.06.03	
21-Apr-23	Slc17a6-IRES-Cre;Ai14-670831.10.06.01	
21-Apr-23	Slc17a6-IRES-Cre;Ai14-670831.10.06.02	
20-Apr-23	Gad2-IRES-Cre;Ai14-670840.01.02.02	
20-Apr-23	Gad2-IRES-Cre;Ai14-670840.01.02.03	
20-Apr-23	Gad2-IRES-Cre;Ai14-670840.03.01.01	
20-Apr-23	Gad2-IRES-Cre;Ai14-670840.03.01.02	
20-Apr-23	Gad2-IRES-Cre;Ai14-670840.03.01.03	
20-Apr-23	Gad2-IRES-Cre;Ai14-670840.03.02.01	
20-Apr-23	Gad2-IRES-Cre;Ai14-670840.03.02.02	
20-Apr-23	Gad2-IRES-Cre;Ai14-670840.04.02.02	
20-Apr-23	Gad2-IRES-Cre;Ai14-670840.04.02.03	
20-Apr-23	Slc17a6-IRES-Cre;Ai14-670830.02.06.01	
20-Apr-23	Slc17a6-IRES-Cre;Ai14-670830.03.06.01	
20-Apr-23	Slc17a6-IRES-Cre;Ai14-670830.04.06.01	

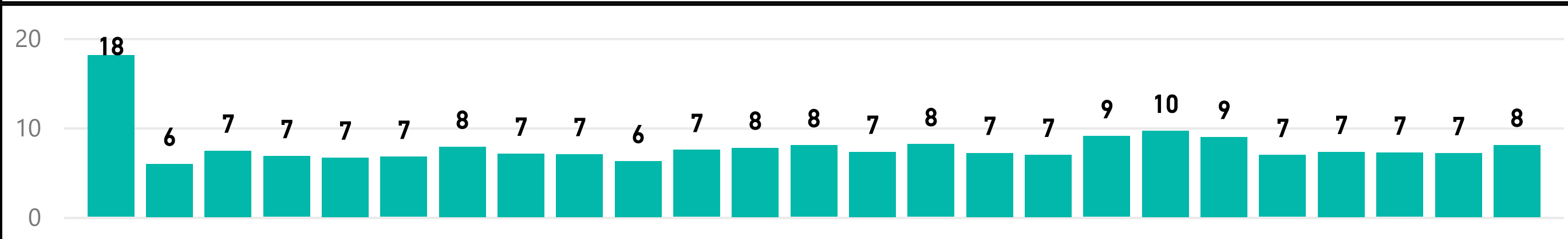
Rig ID

- Select all
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

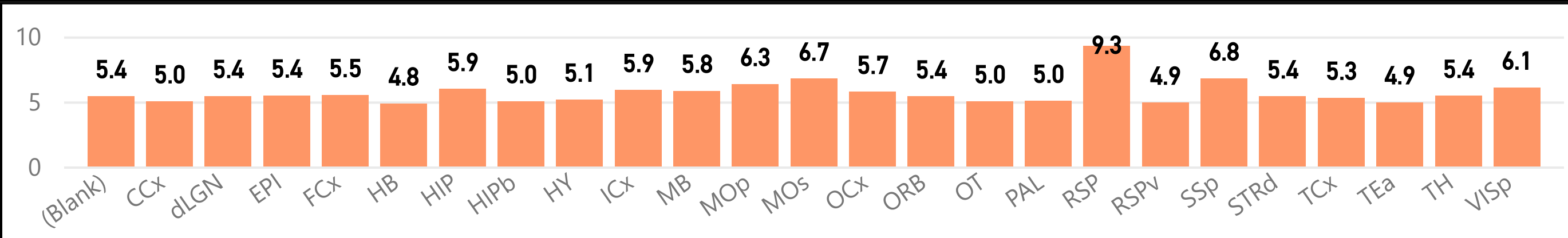
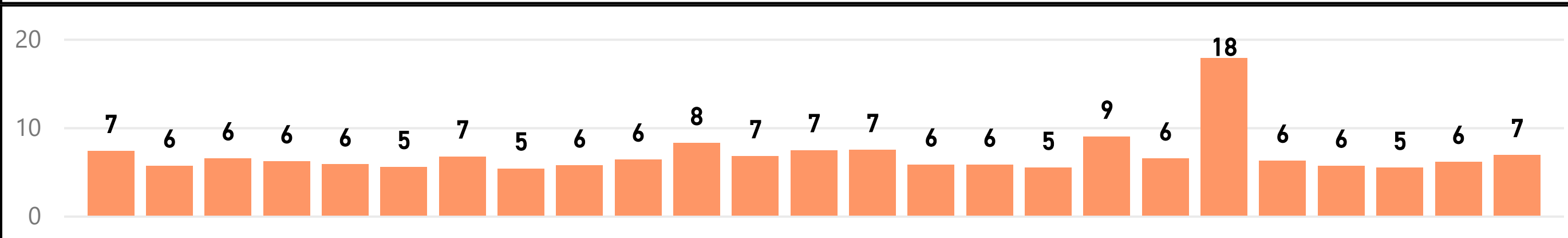
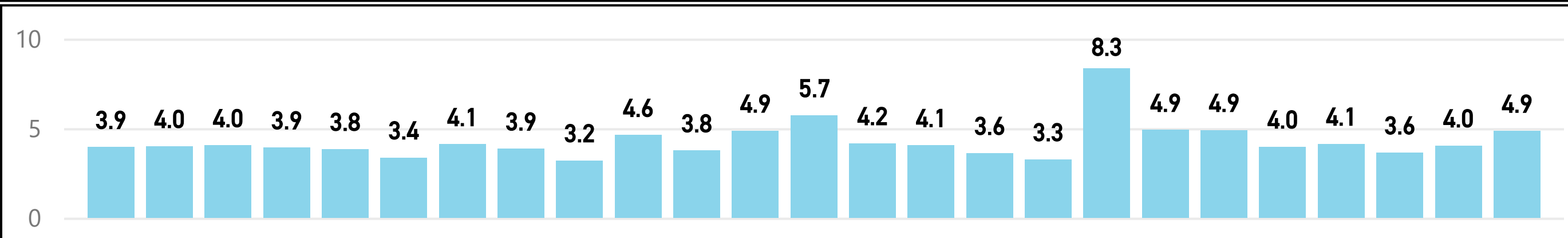
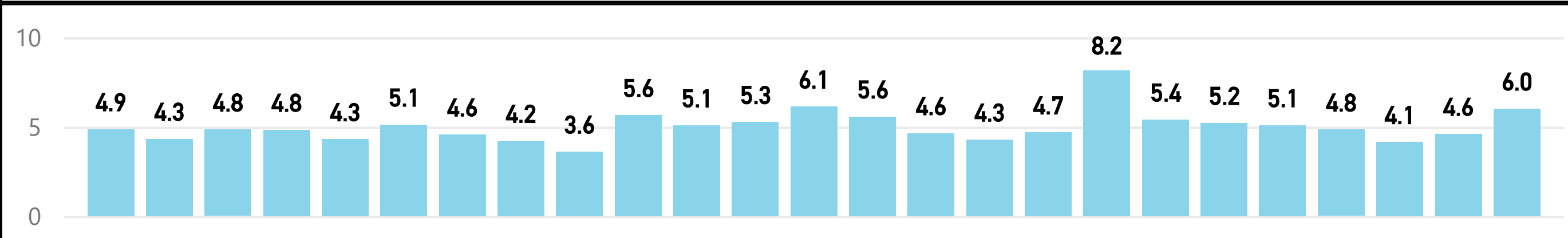
In-Bath



Cell-Attached



Break-In



(Blank)

3

CCx

1

dLGN

77

EPI

27

FCx

31

HB

57

HIP

6

HIPb

1

HY

3

ICx

5

MB



# 60 Hz (Current Clamp)

Voltage Sweeps

Stimulus Sets

Feature Extraction

2023 Avg RMS

2023 Noise - 60 Hz

7.93

Avg In-Bath Long RMS

7.28

Avg In-Bath Short RMS

4.95

Avg Cell-Attached Long RMS

3.97

Avg Cell-Attached Short RMS

6.34

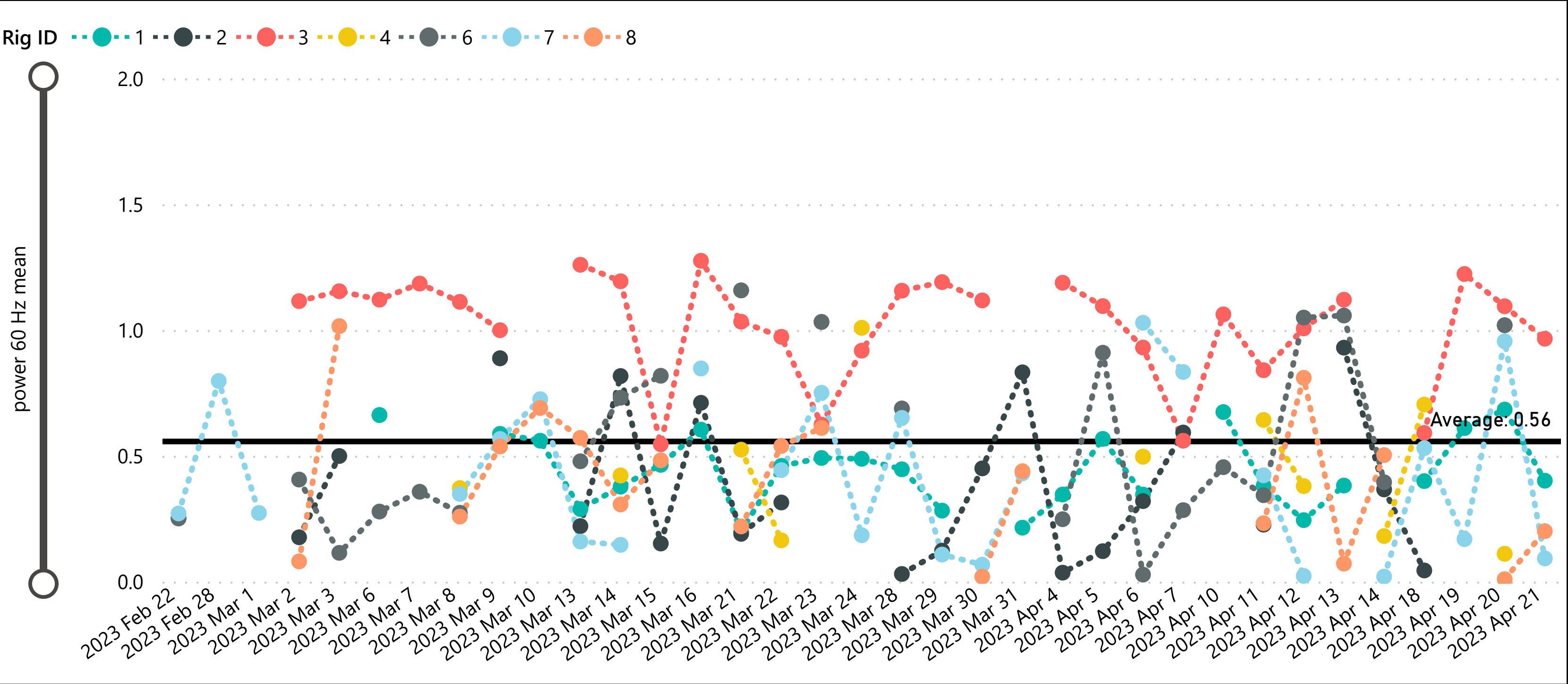
Avg Break-In Long RMS

5.41

Avg Break-In Short RMS

Rig ID

- Select all
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8



Date	cell_name	power_60hz_mean	power_60hz_std	Rig ID	Rig User	Roi Minor
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.02.01.01	0.04	0.21	8	bamboa	L4c
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.02.01.02	0.09	0.29	8	bamboa	L2
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.02.01.03	0.60	0.50	8	bamboa	L4c
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.02.01.04	0.03	0.17	8	bamboa	L5
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.03.01.01	0.09	0.30	7	kristab	L4c
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.03.02.01	1.05	0.20	3	kamiliamn	L2
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.03.02.02	0.88	0.40	3	kamiliamn	MH
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.05.01.01	0.63	0.54	1	balreetp	L4c
21-Apr-23	Gad2-IRES-Cre;Ai14-670841.05.01.02	0.43	0.53	1	balreetp	L4c
21-Apr-23	Slc17a6-IRES-Cre;Ai14-670841.08.06.01	0.21	0.42	1	balreetp	MTA