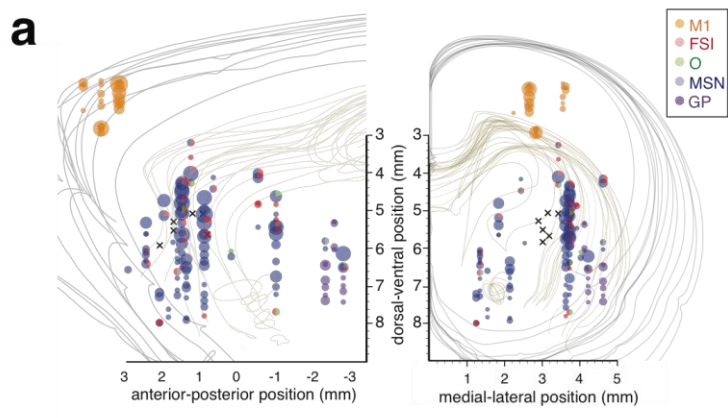
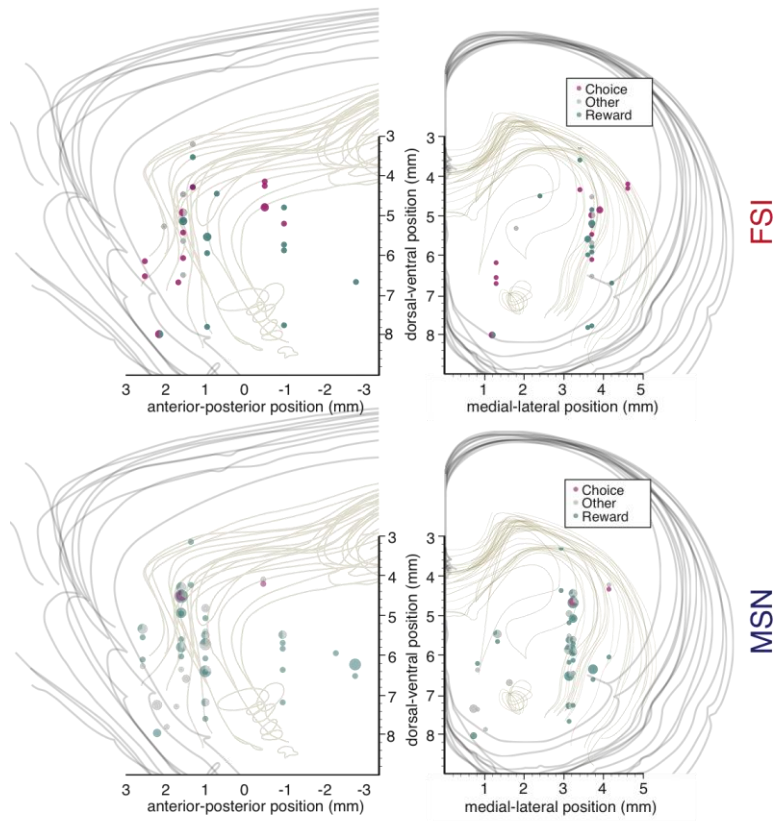
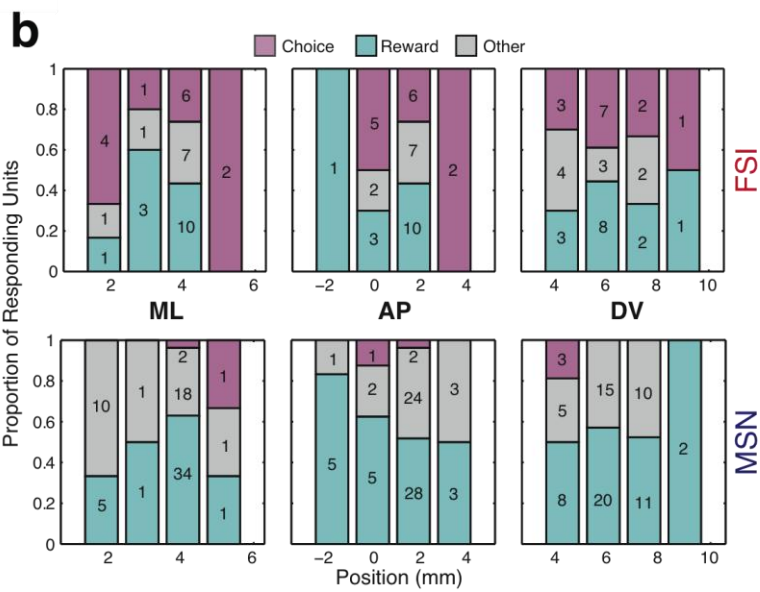
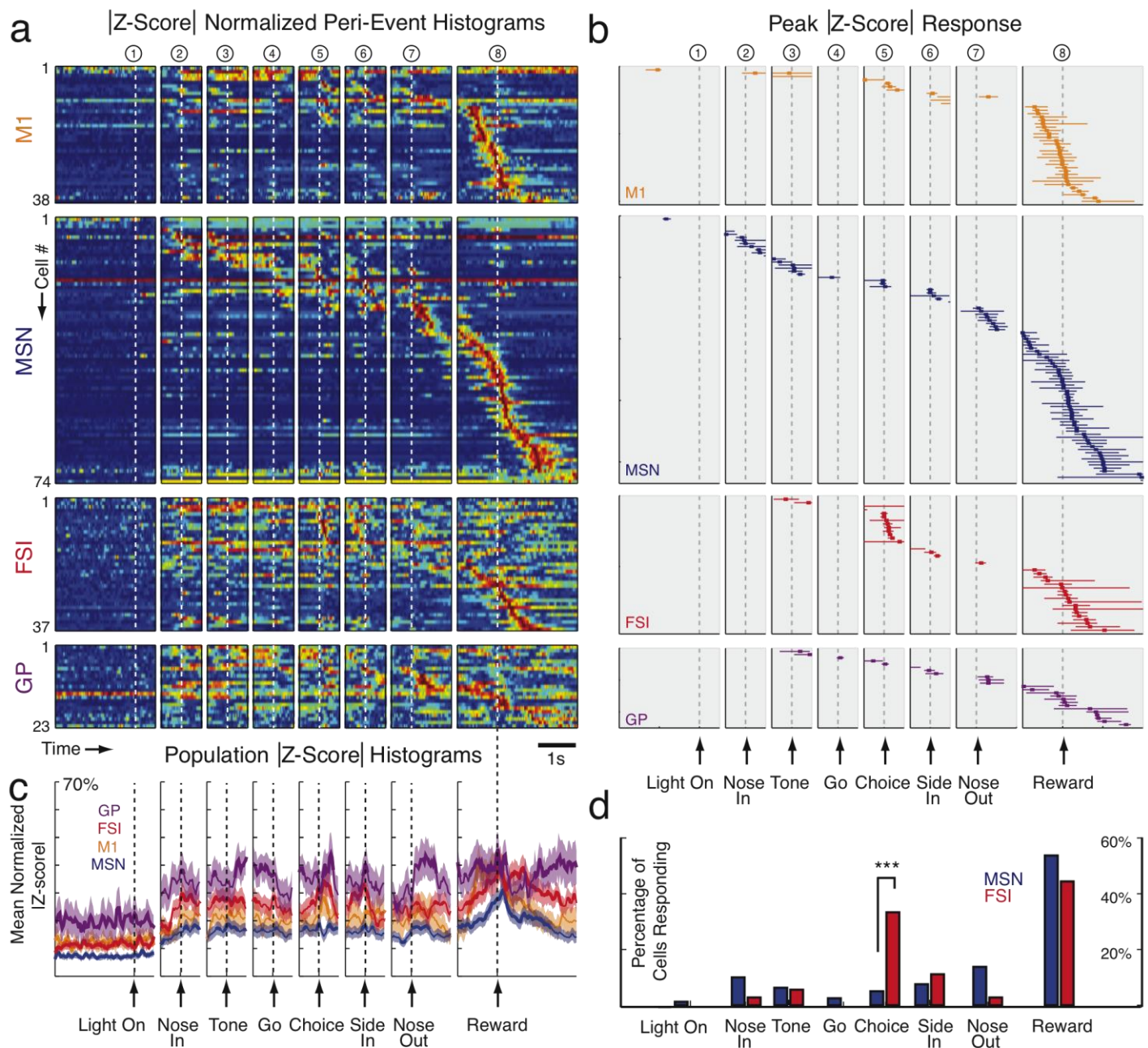


Supplementary Figure 1: a) Unilateral striatal injection of a GABA_A agonist causes a selective, reversible deficit in contraversive responding. Results shown are from each of four successive daily behavioral sessions in which rats ($n=6$) were tethered to an injection cannula but not infused (“MOCK” infusion, session 1), infused with artificial cerebrospinal fluid (“ACSF”, Sessions 2,4) or infused with 0.05 μg muscimol (“MUSC”, session 3). “Contraversive-Cued Trials”, “Ipsiversive-Cued Trials” indicate whether the rat received an instruction cue to move to the nosepoke hole contralateral or ipsilateral to the injection side, respectively. Error bars, S.E.M. **b)** Reaction time, movement time, time to reward, and percent correct for each subject of the electrophysiology experiments. Behavioral data shown is only for those sessions for which we included neurons in the electrophysiological analyses. Note the prominent bimodal distribution in the reaction times. Regression analysis revealed that short RTs ($< 300\text{ms}$) inversely varied with the hold time (“Go” - “Nose In”; $p = 0.00004$, regression t-test), while long RTs did not ($p = 0.39$, regression t-test) This suggests that the rats were sometimes anticipating the Go cue (short RT peak) and sometimes reacting to it (long RT peak). The percent correct session histograms are divided into 5% bins.

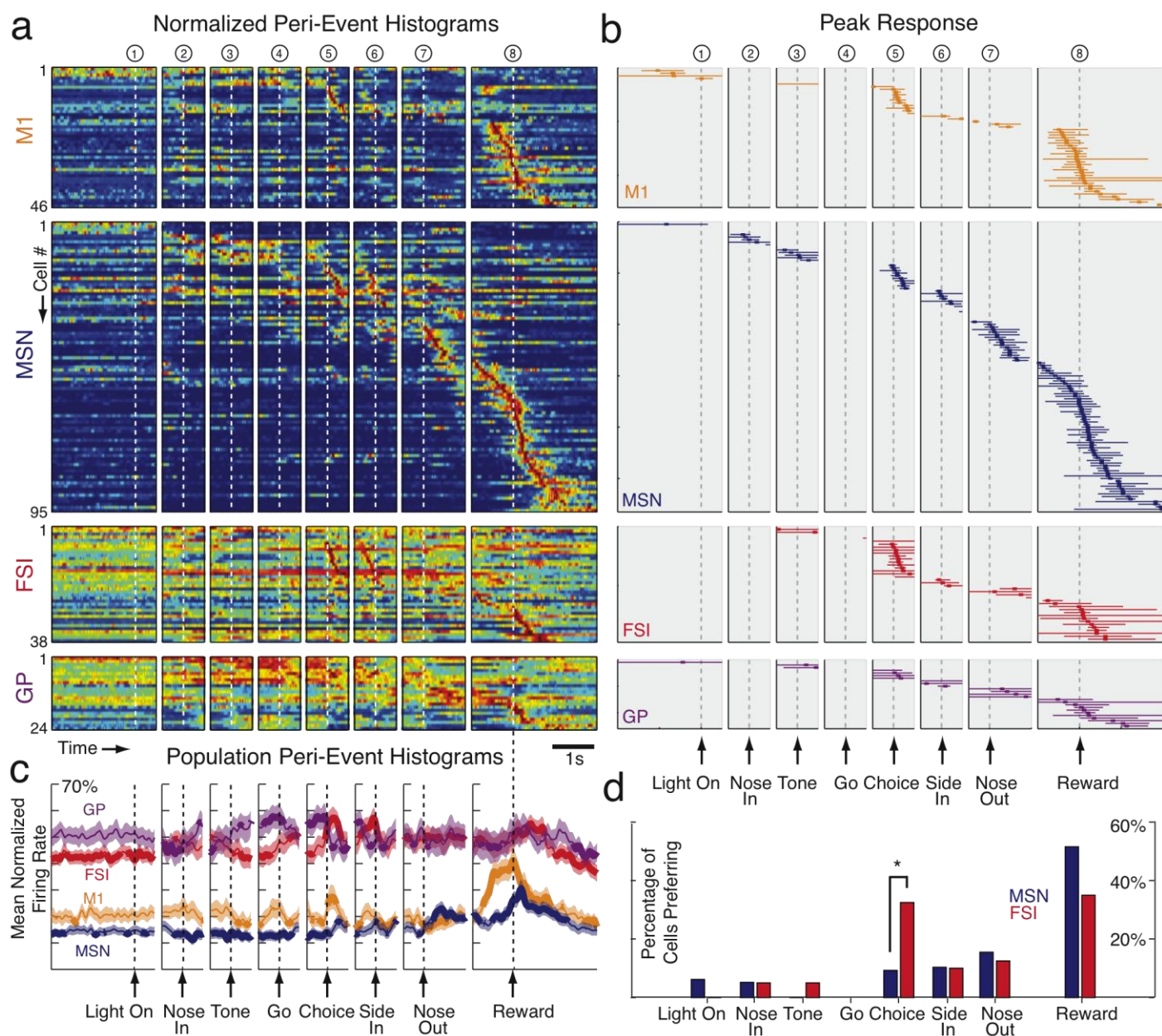


Supplementary Figure 2: **a)** Locations of electrophysiological recordings and drug infusions. Locations are shown as projections onto sagittal (left) and coronal (right) stacked atlas sections (Paxinos and Watson, 2005). Area of circles is proportion to number of simultaneously recorded cells, segment colors indicate the class of cells from each location. The location of each muscimol injection in the separate behavioral experiment is indicated with an "x". Note that the GP cells were recorded from caudal parts of that structure. **b)** Location of cells with peak activity during the "choice" or "reward" epochs. (Top) Location histogram of reward- and choice-related cells for FSI and MSN populations. Histogramical locations are given relative to bregma in the ML (left), AP (center), and DV (right) directions. The choice-related FSIs and MSNs did not show a significant relationship to position ($p > 0.05$, regression t-test for both choice and reward preference regressed against the recording location: ML, DV, AP, and distance from origin). (Bottom) Sagittal and coronal view of cell locations of FSI and MSN cells of each functional category.

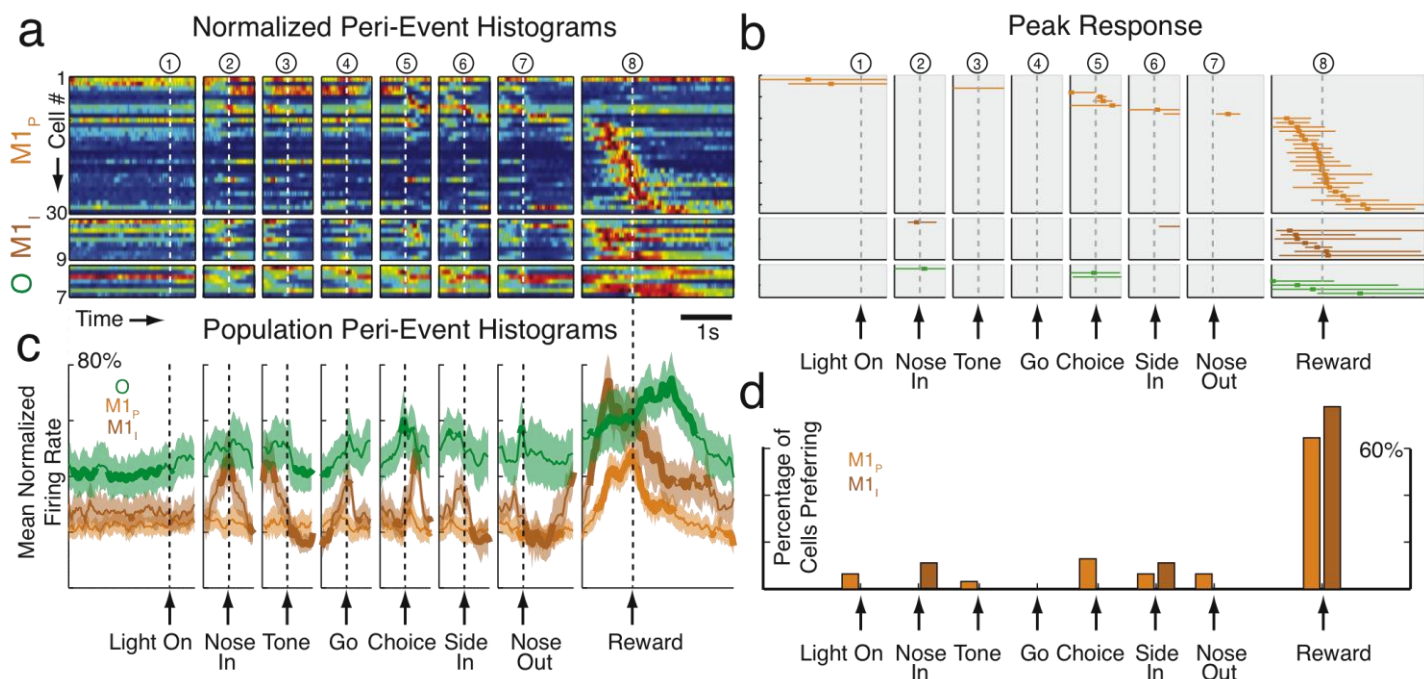




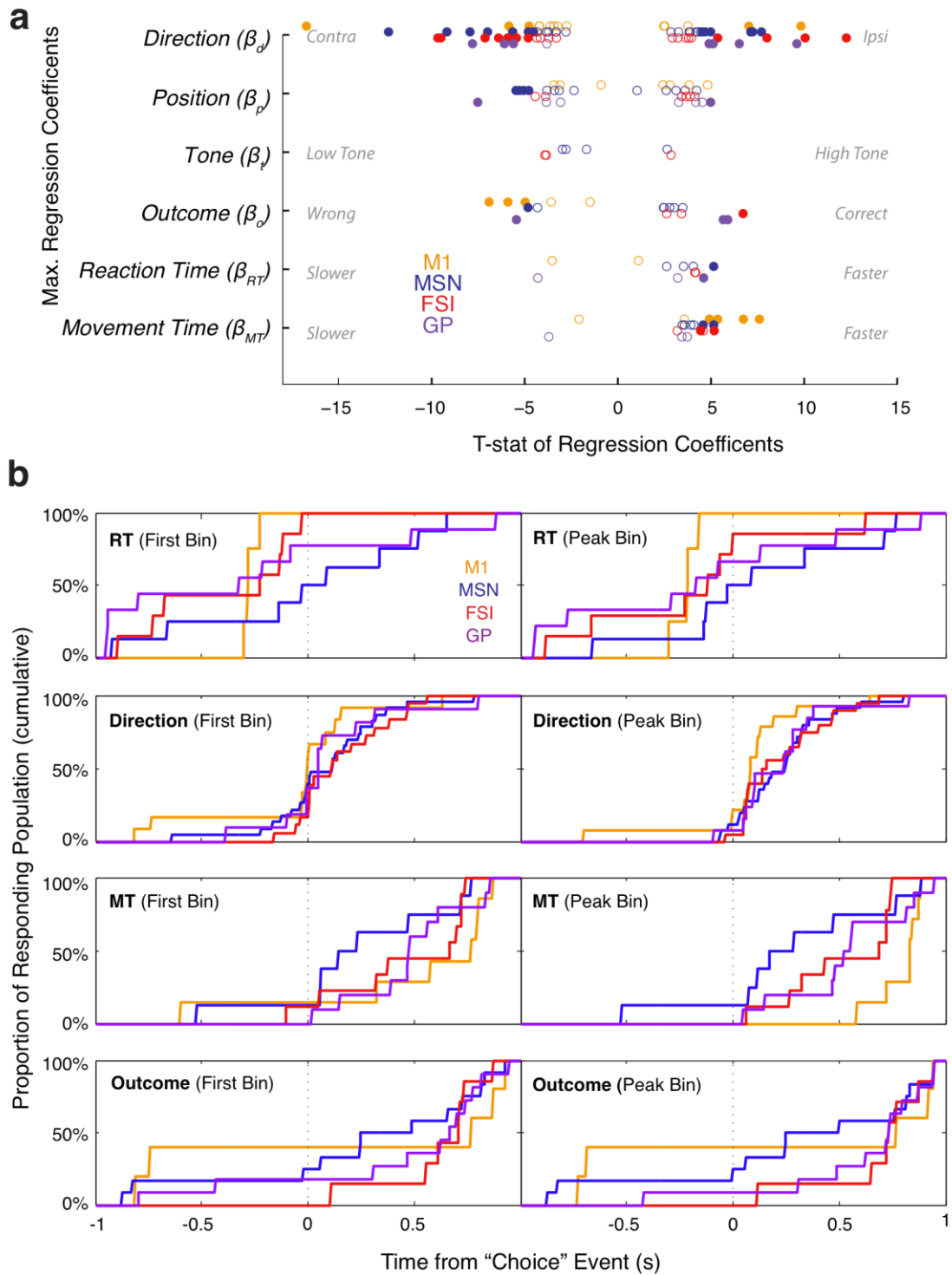
Supplementary Figure 3: |Z-score| normalized response profile. Format is identical to Figure 4, except that instead of firing rate the absolute value of the firing rate Z-scores are used instead (see Methods). This serves to highlight both increases and decreases in firing rate. PETHs are displayed as a heat map from blue (no change from baseline) to red (maximum change from baseline, either positive or negative). Using this variant of the analysis, the difference between the proportion of FSIs and MSNs responding to the choice execution event remained significant ($p = 0.00065$, two-sample population proportions test, adjusted for multiple comparisons), and all other pairs remained not significant ($p > 0.05$, adjusted for multiple comparisons).



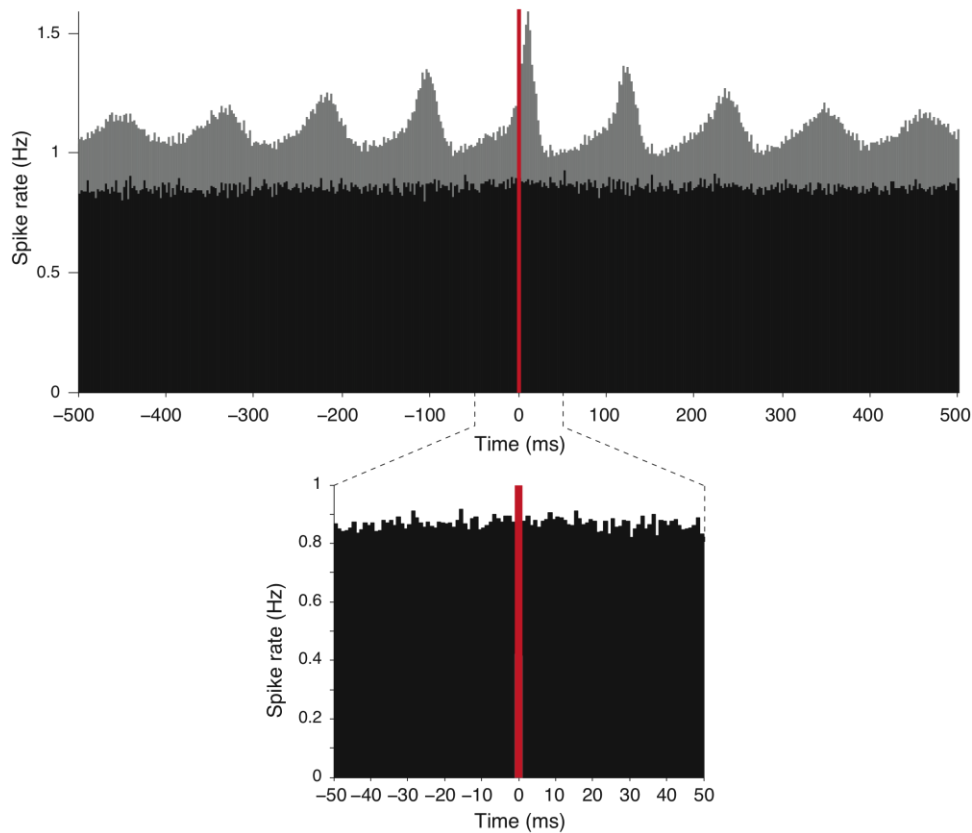
Supplementary Figure 4: Selective PETH response profiles. Format is identical to Figure 4, except that the peak firing rates were calculated for each of four subsets of trials, during which (1) the high tone played, (2) the low tone played, (3) movement was contraversive, or (4) movement was ipsiversive. PETHs and peak firing epochs were then calculated using only the subset with the highest peak firing rate. This serves two purposes. First, it includes cells for which the 5 Hz peak inclusion criterion was reached, but only on a specific subset of trials. Second, it helps to find the preferred event for some neurons, in which firing rate increases on one subset of trials were matched by decreases on another subset. Under these conditions, the choice execution event remained associated with a significantly different proportion of FSI and MSN peak firing (* $p = 0.012$, two-sample proportion, adjusted for multiple comparisons), and all other pairs remained not significant ($p > 0.05$, adjusted for multiple comparisons).



Supplementary Figure 5: Analysis of O, M1, and M1 neuronal classes. (a-d) Same analysis described in Figure 4, but for additional cell classes. O cells may represent an additional class of striatal interneurons (see Berke, 2008); M1 and M1 are motor cortex presumed projection and interneuron populations (see Figure 2). d) Presumed cortical interneurons did not show the same pattern of event preference as striatal FSIs, and there were no significant differences in the events that cortical subpopulations preferred ($p > 0.05$ for all comparisons; note however that the number of cells analyzed is not large). As in previous work (Berke, 2008), O cells preferred the rewarding event, although slightly less uniformly in this task.



Supplementary Figure 6: **a)** Information coding by single cells, around choice event. Maximum t-statistics are displayed for four cell classes (M1, MSN, FSI, GP) for six regression coefficients: Direction (β_d), Position (β_p), Tone (β_T), Outcome (β_o), Reaction Time (β_{RT}), Movement Time (β_{MT}). Only the maximum t-stat for each cell is plotted. Solid markers indicate that the coefficient was significant ($p < 0.01$, regression t-test, corrected for multiple comparisons). **b)** Timing of information coding in each cell population. Cumulative distribution functions for each of four cell populations, examining when each cell showed significant regression coefficients for either: (a) Reaction Time, (b) Direction, (c) Movement Time, or (d) Outcome (Correct/Wrong). Graphs at left use the first time bin at which each neuron showed significantly selective firing, while those at right use the time bin with peak selectivity (i.e. most significant). To be included in these graphs, a neuron had to have a significant coefficient t-stat ($p < 0.01$) after adjusting for multiple comparisons. No overall differences were significant between the cell population distributions ($p > 0.05$, Two-sample Kolmogorov-Smirnov).



Supplementary Figure 7: Fast FSI-MSN interactions are also not apparent in a separate data set (described in Wiltschko *et al.*, 2010). Averaged cross-correlograms (from 133 FSI:MSN pairs) are shown using FSI spikes as reference (time zero), as in Fig. 7. Top shows results either including all data (grey) or excluding periods of high-voltage spindle oscillations and drug manipulations (black). As previously observed (Berke *et al.* 2004), FSI spikes tend to precede MSN spikes during HVS. Bottom shows close-up of period of potential fast monosynaptic interactions, but no such interactions are apparent.

Supplementary Figure 8 (in separate file). Neuron database for the simple choice task. Top row: (top left) Neuron information as follows: Cell: identifier of cell in the database; AP,ML,DV: location of neuron; w: tetrode wire number (1-4) of the peak waveform; n: number of spikes recorded; PropISI > 2s: proportion of time spent in long inter-spike intervals; 1/2pw: waveform measurement of 1/2 the peak width; p-v: waveform measurement of peak to valley time; β_t , β_d , β_p : regression coefficients for tone, direction, and position respectively; bold text indicates coefficients are significant. SI: selectivity index; Session FR: session-wide mean firing rate; Pk Ev: peak event from response profile analysis (using trial-type-specific PETHs); Pk FR: peak firing rate (with time relative to peak event). (top left center) Spike waveform, showing both wide-band (colored) and Butterworth filtered (600–6,000 Hz, grey); x-axis: time (5 ms) y-axis: arbitrary AD units. (top center) x-axis: Wide-band waveform 1/2 peak width (0–500 μ s) y-axis: Wide-band waveform peak to valley time (100–1350 μ s). Yellow circle indicates position of current cell in cluster. (top center right) x-axis: session firing rate (log scale: 0.01–100 s) y-axis: wide-band waveform peak to valley time (100–1350 μ s). (top right) Inter-spike-interval (ISI) histogram, on log scale: 1 ms–10 s. Center and bottom rows: Spike rasters (center row) and PETHs (bottom row) for the eight trial epochs shown in Fig. 1. PETHs calculated using all trials are shown in black, while high tone, low tone, contra, and ipsi trials are shown in orange, blue, gold, and green respectively. From left to right: (1) Cue on, (2) Nose In. Rasters for events 1,2 show trials in chronological order. (3) Tone. Rasters are divided into high-tone- (orange bar) and low-tone- (blue bar) trials. (4) Go cue. Rasters are sorted by reaction time. Detection of event 5 (“Choice” execution) is indicated with a gold (green) marker for contraversive- (ipsiversive-) trials. Side in (event 6) detection noted by a blue (red) marker for correct (incorrect) trials. (5) Choice. Rasters for events 5–8 are divided into contraversive- (gold bar) and ipsiversive- (green bar) trials. (6) Side In. (7) Nose Out. (8) Reward. Bracketed numbers indicate the totals number of epochs displayed in above raster. Time range for each epoch is -0.5 s to +0.5 s around each event, except for event 8 (-1 s to +2 s).

Cell: C0320070704T09a

AP: 1.6 ML: 3.7 DV: 6.7

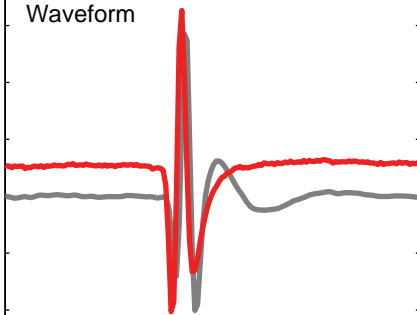
w: 1 n: 92773 $P_{ISI>2}$: 01/2pw: 77 μ s p \rightarrow v: 150 μ s β_T : 2 β_D : 3.3 β_P : -3.6 SI: 0.19

Session FR: 21.4 Hz

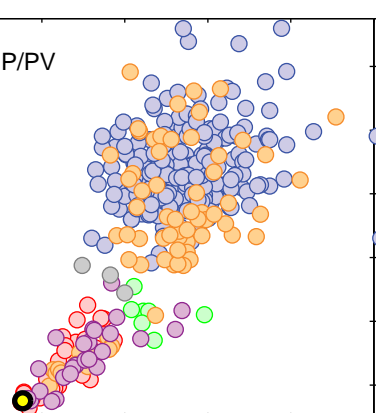
Pk Ev: 3 - Tone (Contra)

Pk FR: 34.4Hz (-0.45s) **FSI**

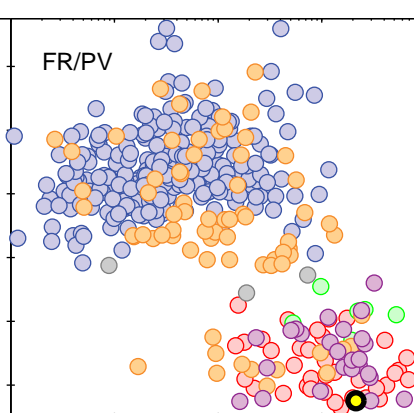
Waveform



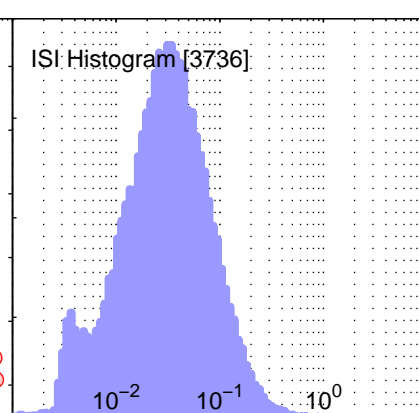
HP/PV



FR/PV



ISI Histogram [3736]



20

40

60

80

100

120

140

1 Cue On [141]

2 Nose In [141]

3 Tone [80,61]

4 Go [141]

5 Choice [64,77]

6 Side In [64,77]

7 Nose Out [64,77]

8 Reward [52,49]

35

30

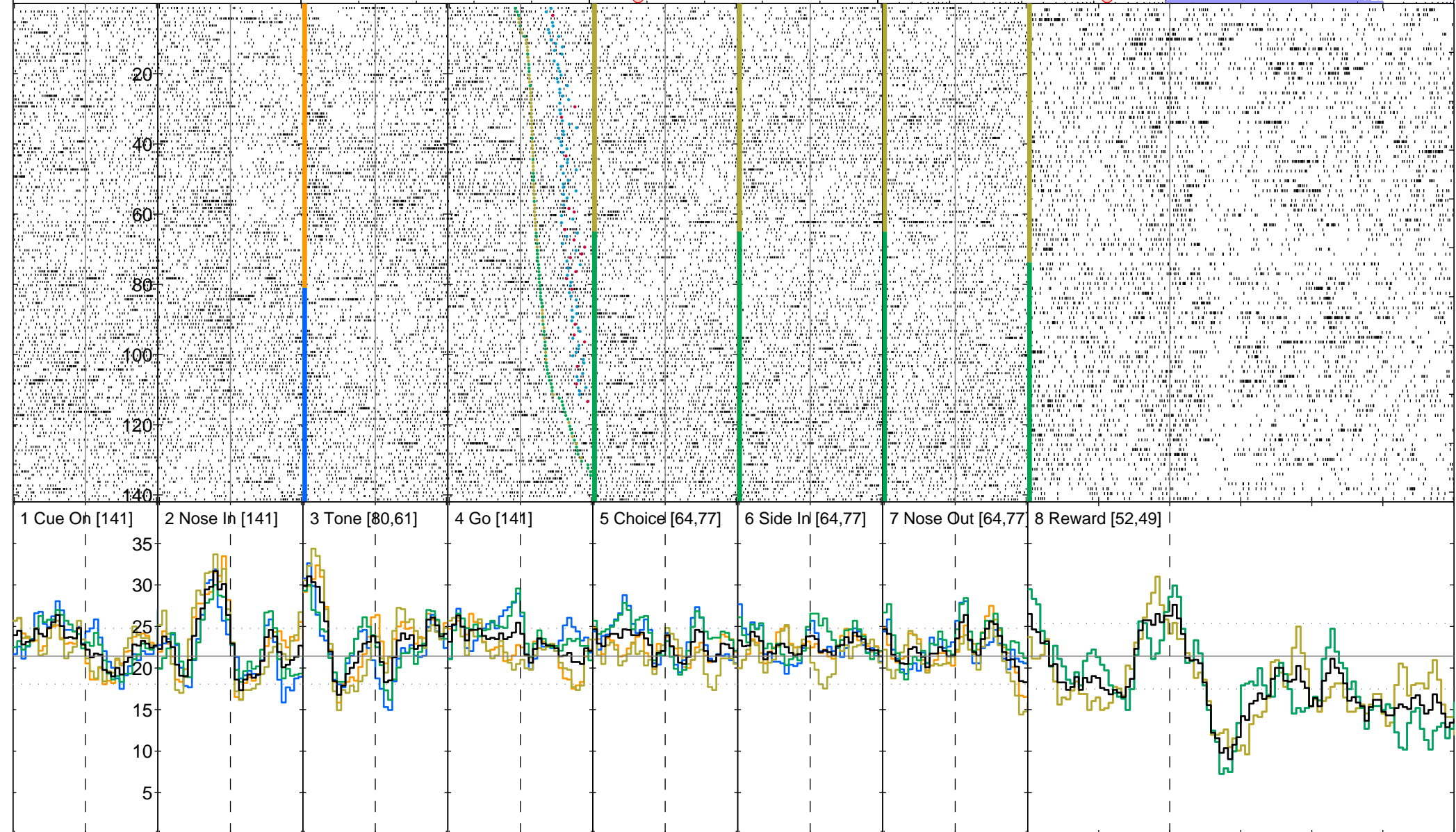
25

20

15

10

5



Cell: C0520070405T12a

AP: -0.48 ML: 3.9 DV: 5

w: 4 n: 67463 $P_{ISI>2}$: 0

1/2pw: 85 μ s p->v: 128 μ s

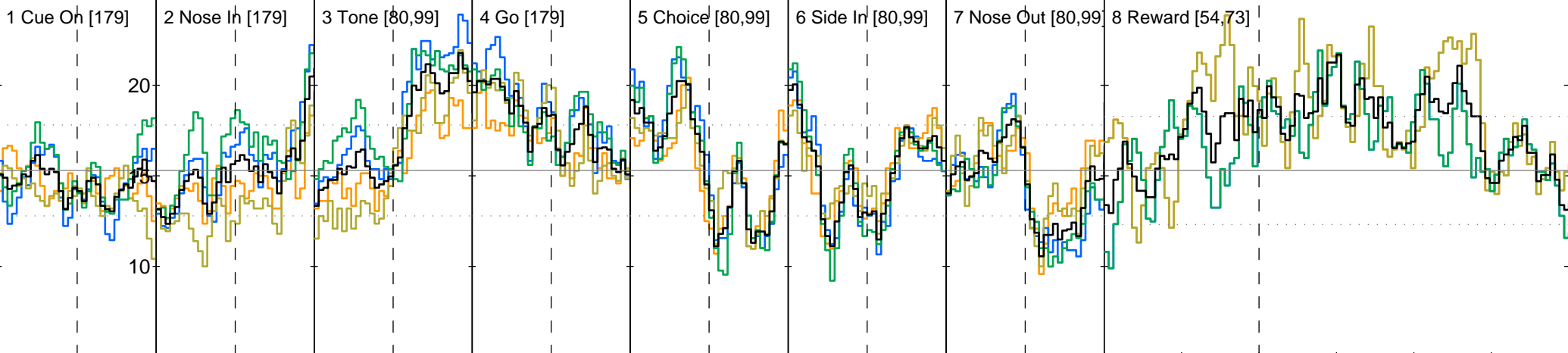
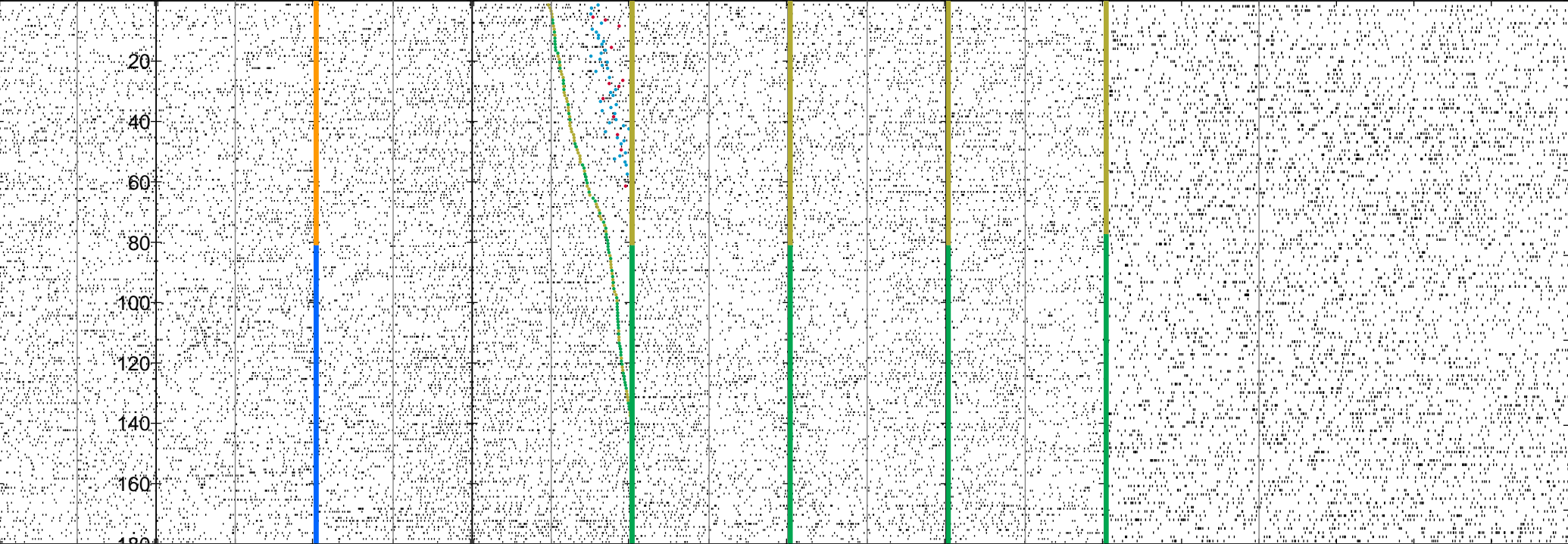
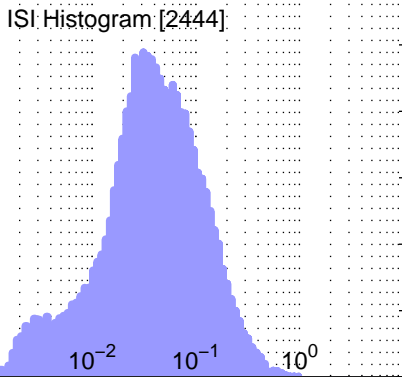
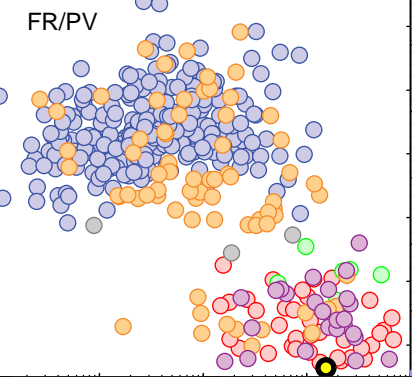
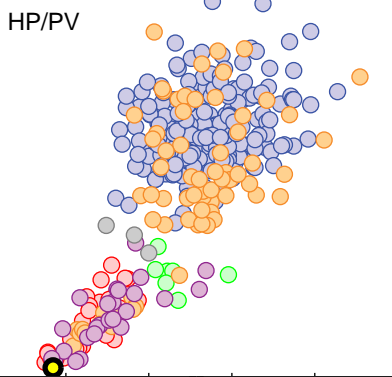
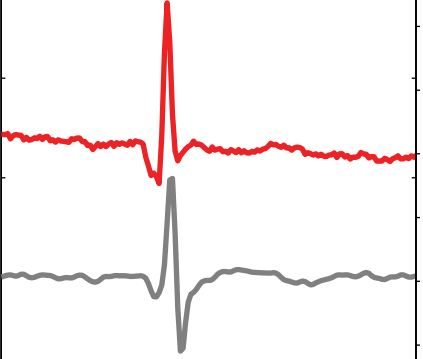
β_T : 2.9 β_D : -2

β_P : -2.7 SI: -0.19

Session FR: 15.3 Hz

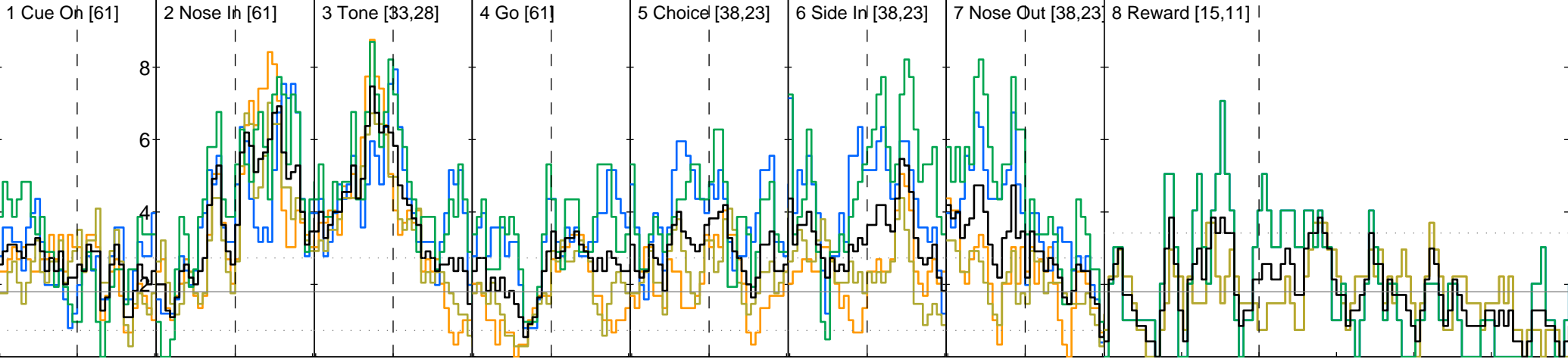
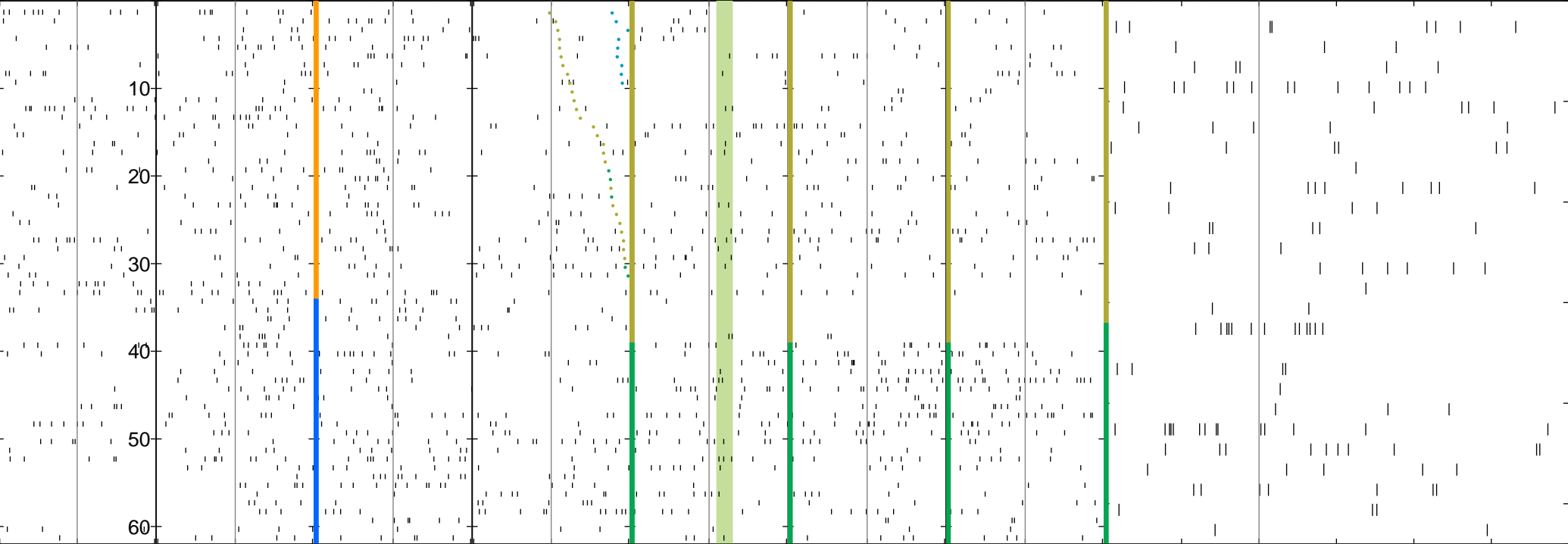
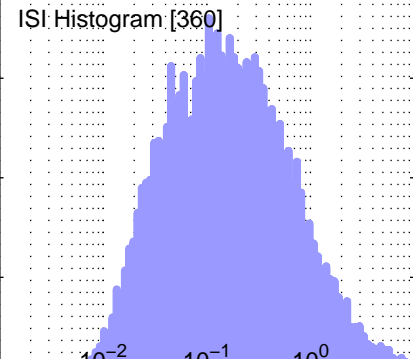
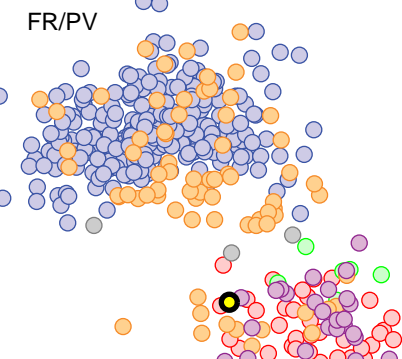
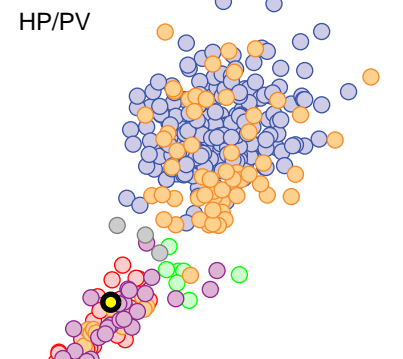
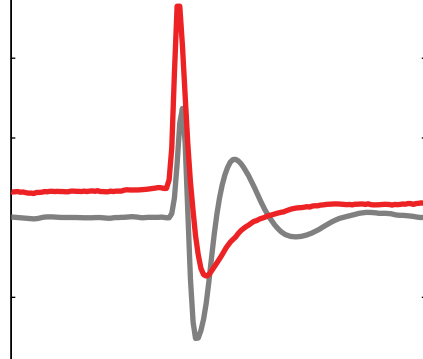
Pk Ev: 3 - Tone (Tone2)

Pk FR: 23.9Hz (0.42s) **FSI**



Cell: C0420070314T06b

AP: 2 ML: 1.8 DV: 5.5
w: 3 n: 13318 $P_{ISI>2}$: 0.49
1/2pw: 141 μ s p->v: 334 μ s
 β_T : -2.5 β_D : 3.2
 β_P : 3.9 SI: 0.72
Session FR: 1.79 Hz
Pk Ev: 4 - Go (Ipsi)
Pk FR: 9.66Hz (-0.78s) **FSI**



Cell: C0320070622T09c

AP: 1.6 ML: 3.7 DV: 5.2

w: 3 n: 40386 $P_{ISI>2}$: 0.0011

1/2pw: 125 μ s p \rightarrow v: 352 μ s

β_T : 3 β_D : 2.8

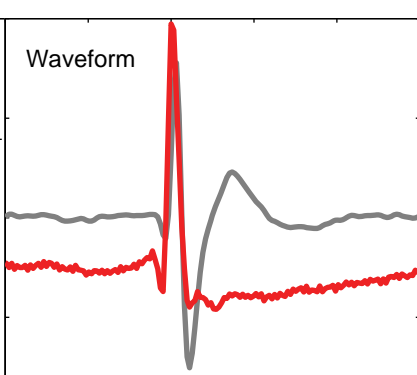
β_P : 3.4 SI: 0.26

Session FR: 10.2 Hz

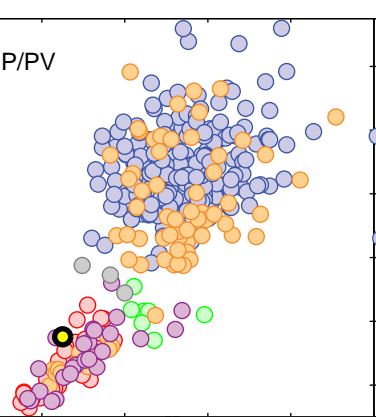
Pk Ev: 5 - Choice (Tone2)

Pk FR: 30.2Hz (-0.96s) **FSI**

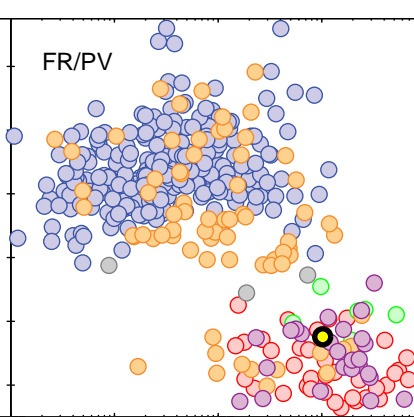
Waveform



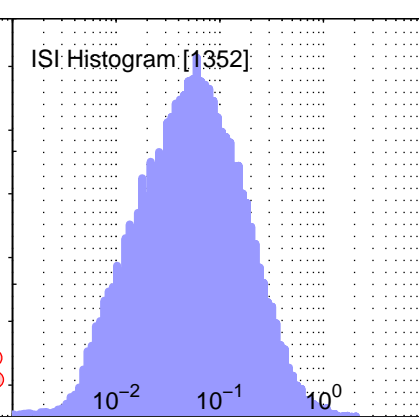
HP/PV



FR/PV



ISI Histogram [1352]



20

40

60

80

100

1 Cue On [114]

2 Nose In [114]

3 Tone [57,57]

4 Go [114]

5 Choice [67,47]

6 Side In [67,47]

7 Nose Out [67,47]

8 Reward [49,39]

35

30

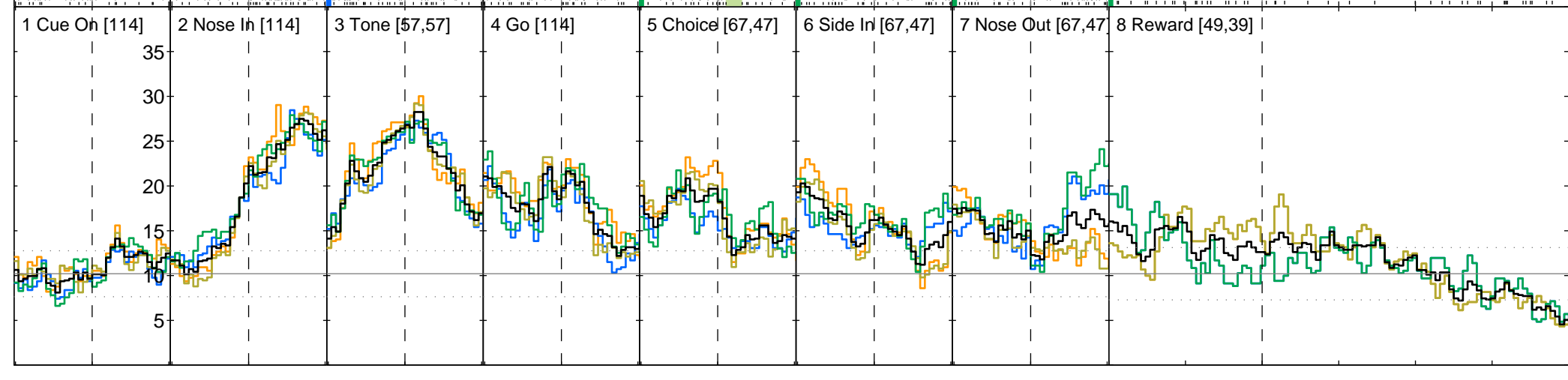
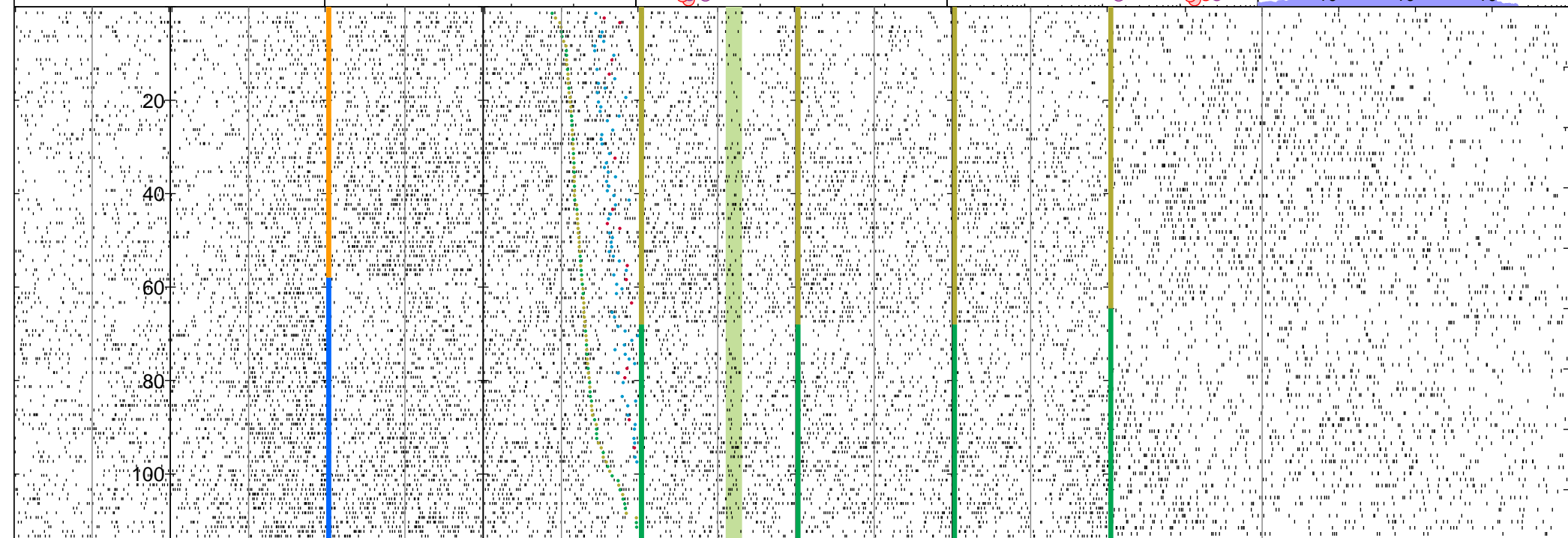
25

20

15

10

5



Cell: C0520070406T12c

AP: -0.48 ML: 3.9 DV: 5.1

w: 4 n: 31625 $P_{ISI>2}$: 0.0072

1/2pw: 120 μ s p \rightarrow v: 197 μ s

β_T : -3.1 β_D : 3.2

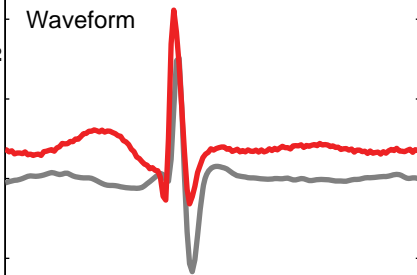
β_P : -2.9 SI: 0.29

Session FR: 7.24 Hz

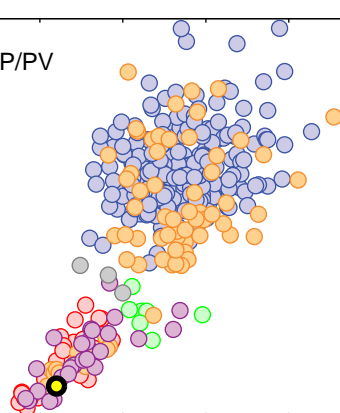
Pk Ev: 5 - Choice (Tone1)

Pk FR: 15.1Hz (-0.03s) **FSI**

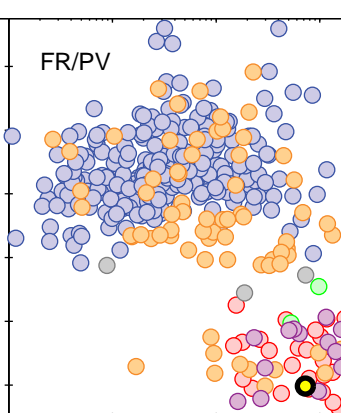
Waveform



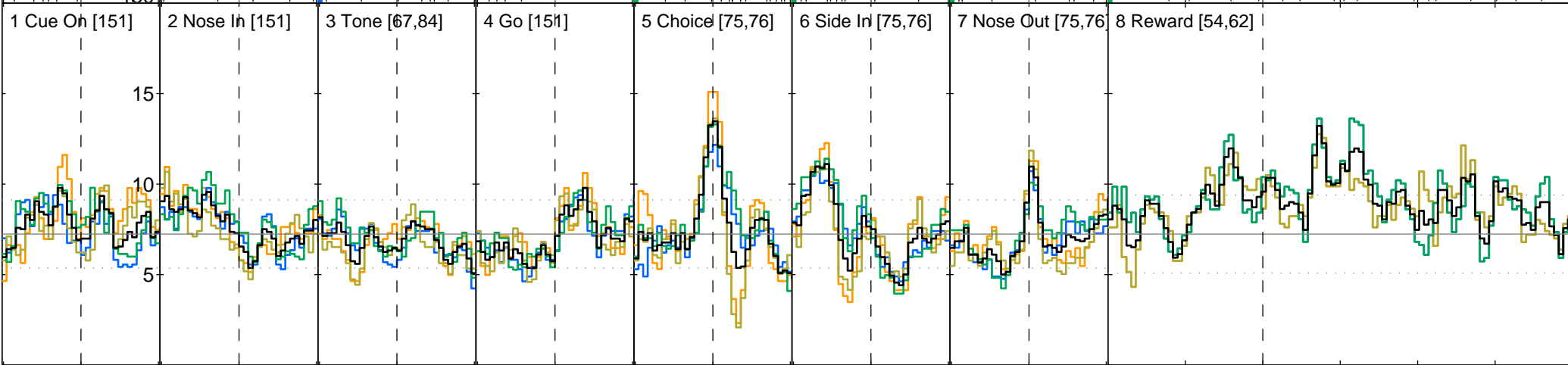
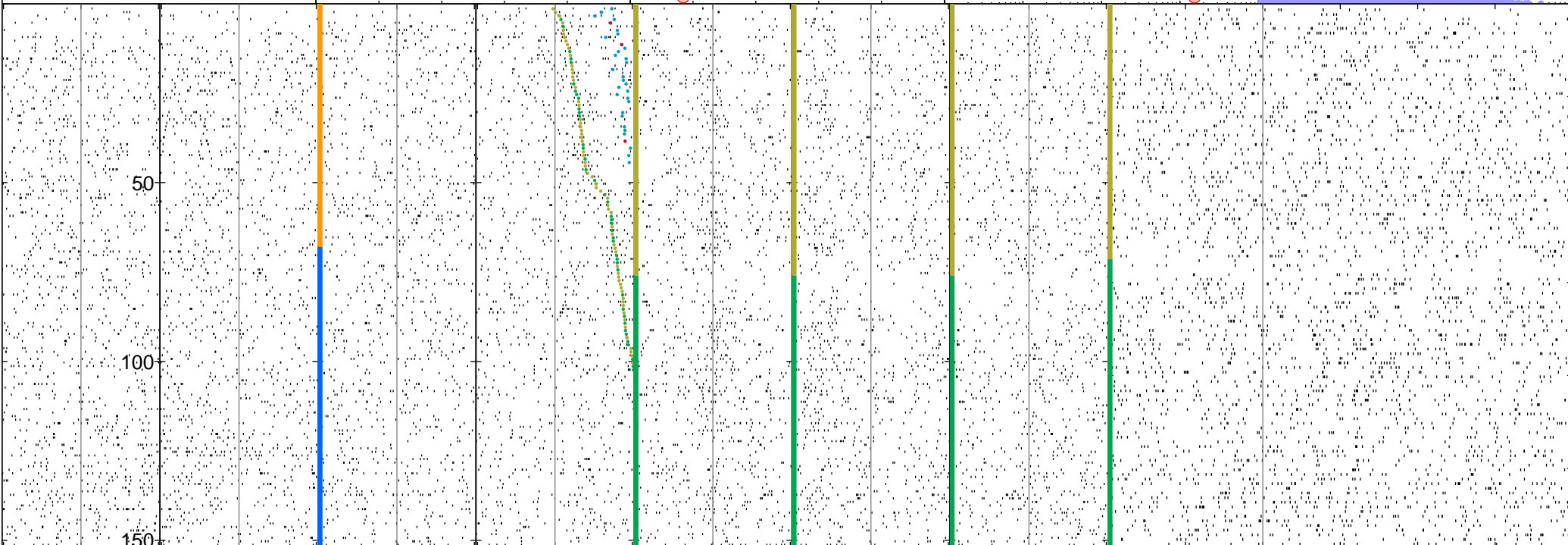
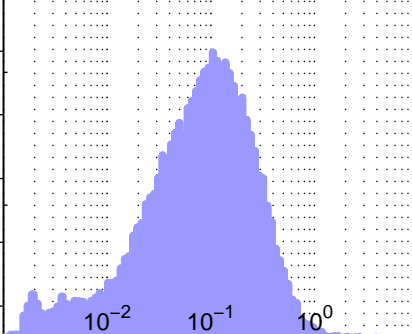
HP/PV



FR/PV



ISI Histogram [1075]



Cell: C0520070406T11d

AP: -0.48 ML: 4.6 DV: 4.5

w: 1 n: 116925 $P_{ISI>2}$: 0

1/2pw: 98 μ s p \rightarrow v: 160 μ s

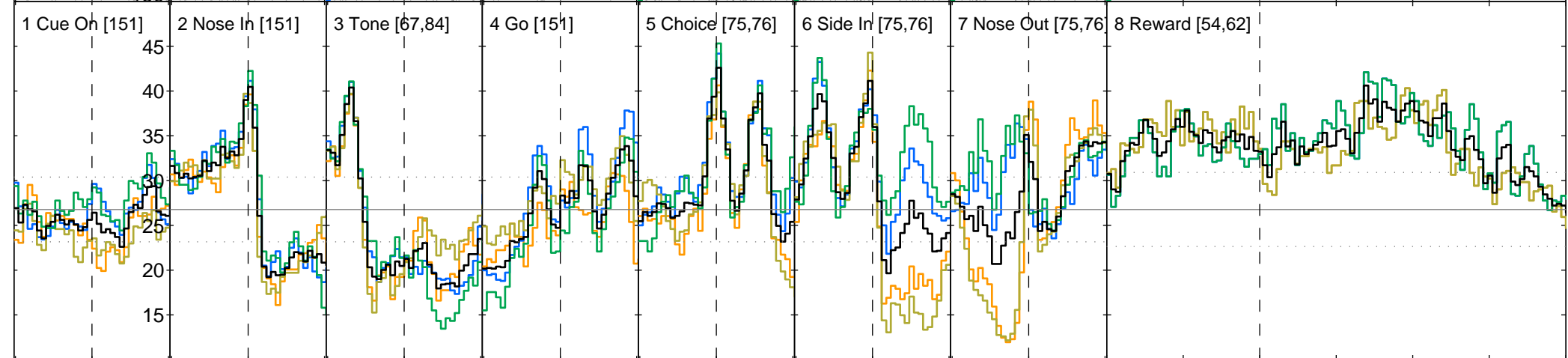
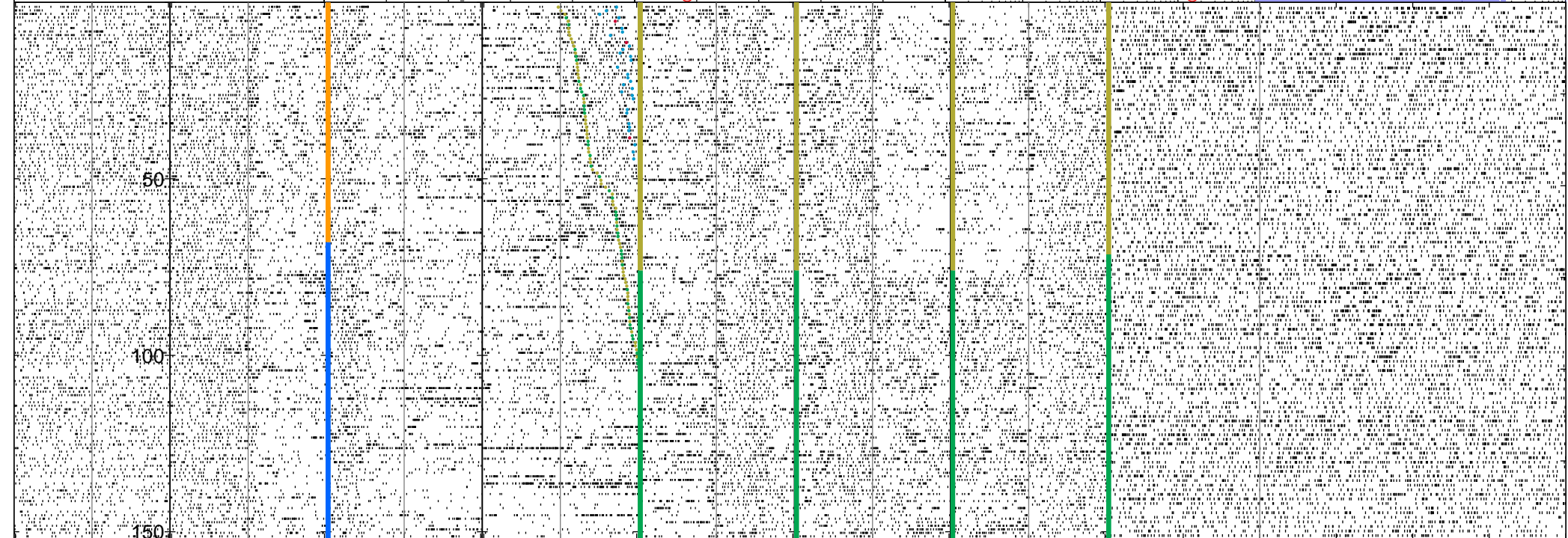
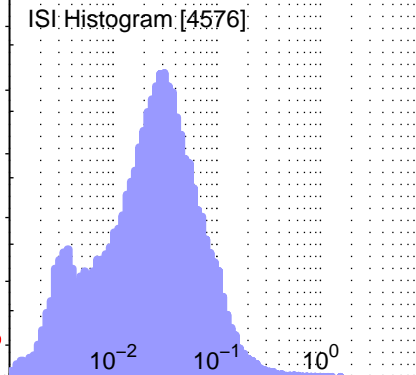
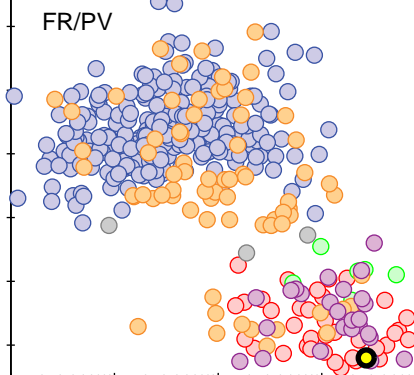
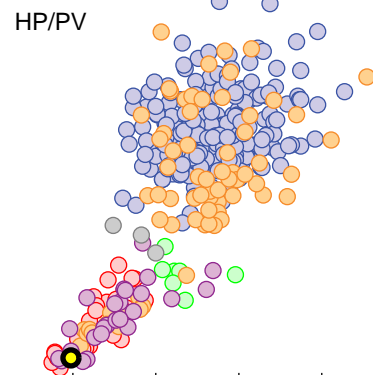
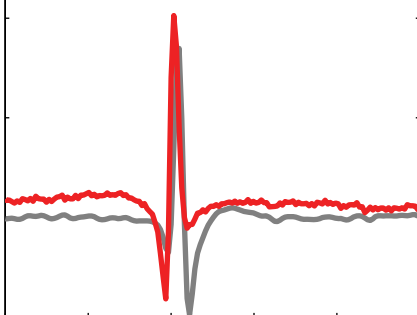
β_T : 2.1 β_D : 4.7

β_P : 3.6 SI: 0.46

Session FR: 26.8 Hz

Pk Ev: 5 - Choice (Ipsi)

Pk FR: 45.3Hz (0.00s) **FSI**



Cell: C0320070701T09a

AP: 1.6 ML: 3.7 DV: 6.3

w: 3 n: 309660 P_{ISI>2}: 0

1/2pw: 139µs p->v: 246µs

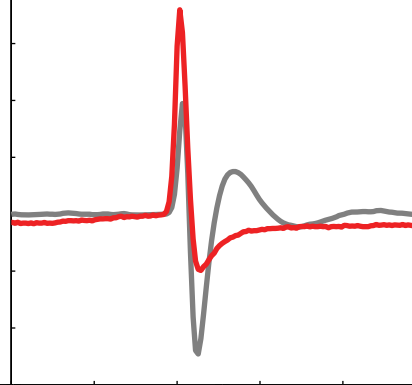
β_T: -2.7 β_D: -4.4

β_P: -2.6 SI: -0.094

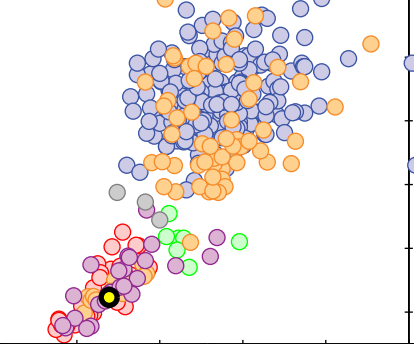
Session FR: 55.2 Hz

Pk Ev: 5 - Choice (Tone1)

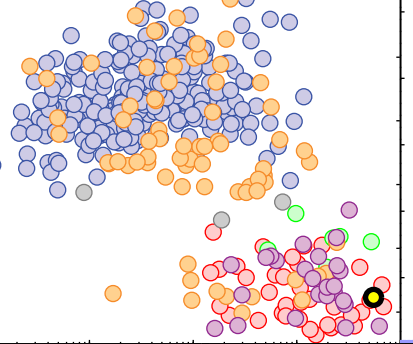
Pk FR: 95Hz (0.06s) FSI



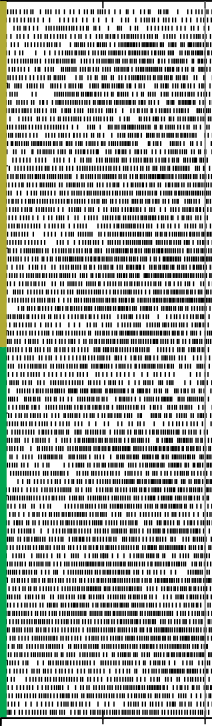
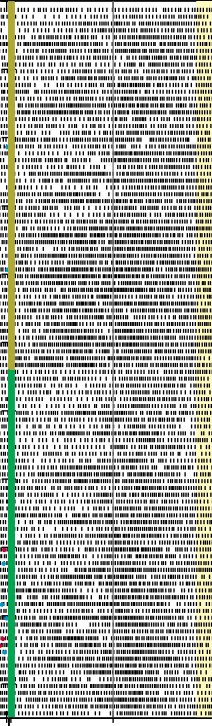
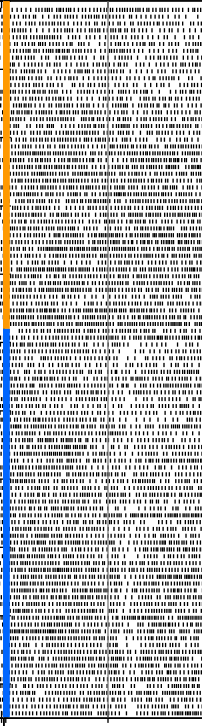
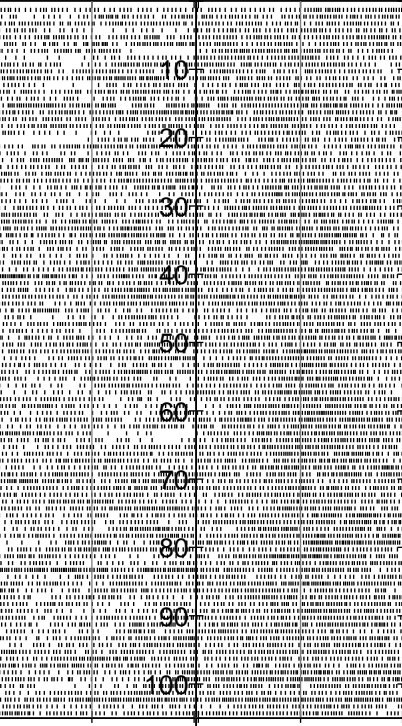
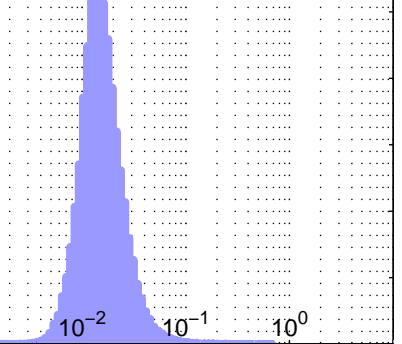
HP/PV



FR/PV



ISI Histogram [29072]



1 Cue Oh [104]

2 Nose In [104]

3 Tone [47,57]

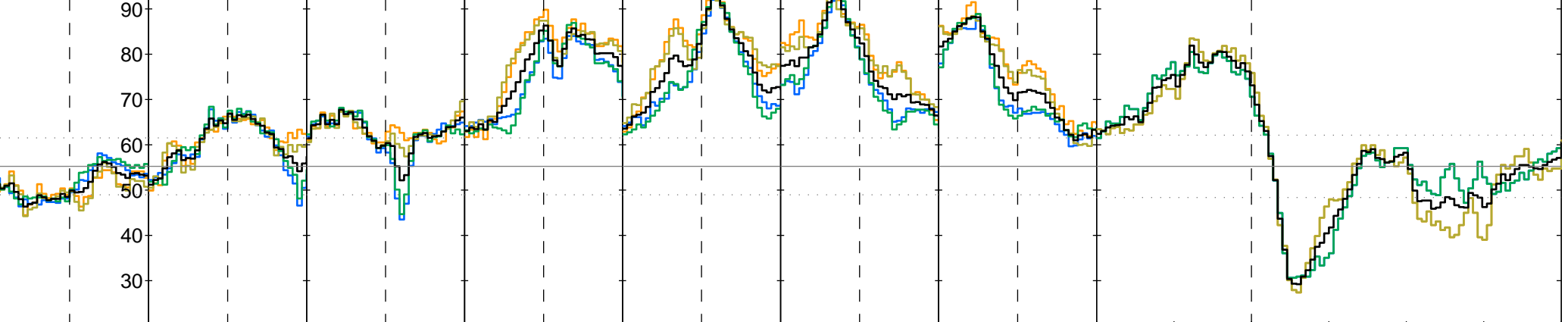
4 Go [104]

5 Choice [53,51]

6 Side In [53,51]

7 Nose Out [53,51]

8 Reward [41,45]



Cell: C0520070406T09a

AP: 0.72 ML: 2.4 DV: 4.7

w: 3 n: 184985 $P_{ISI>2}$: 0

1/2pw: 115 μ s p \rightarrow v: 200 μ s

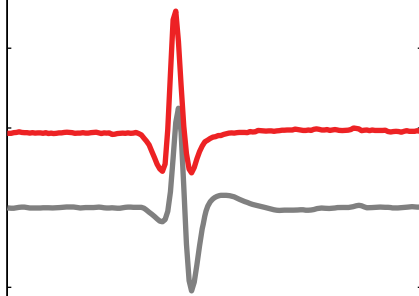
β_T : 2.7 β_D : 8

β_P : 3.7 SI: 0.36

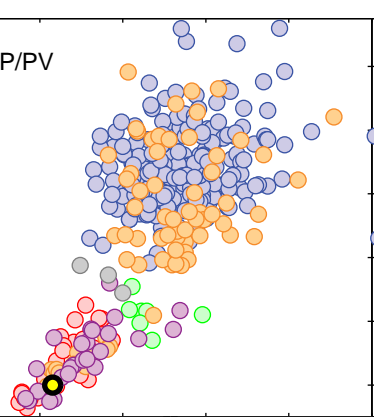
Session FR: 42.4 Hz

Pk Ev: 5 - Choice (Ipsi)

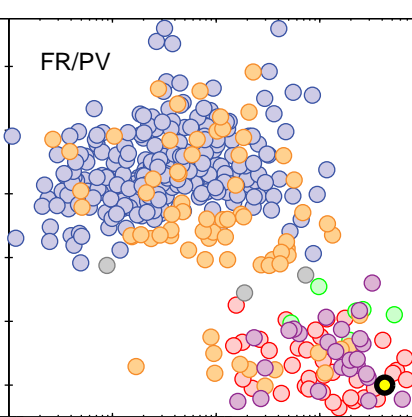
Pk FR: 95.9Hz (0.06s) **FSI**



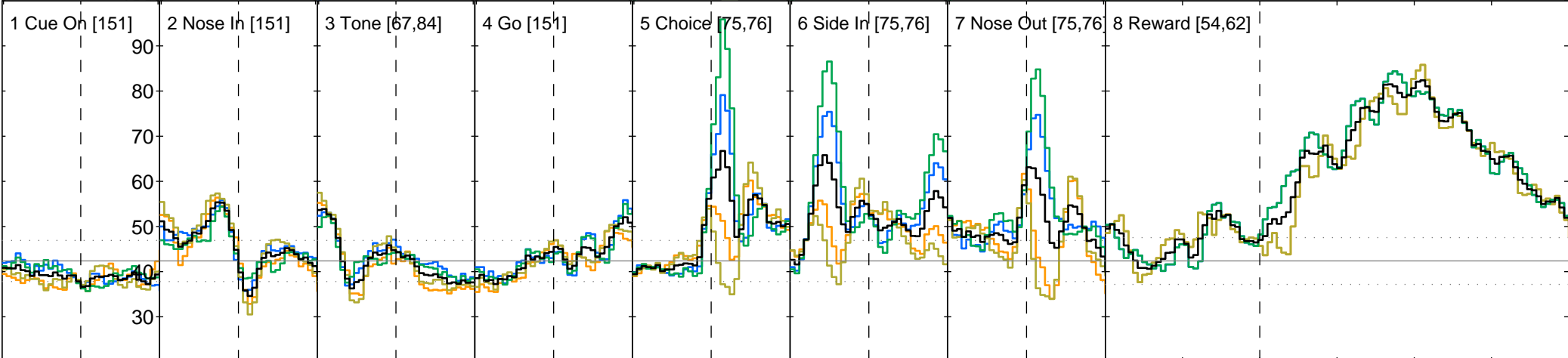
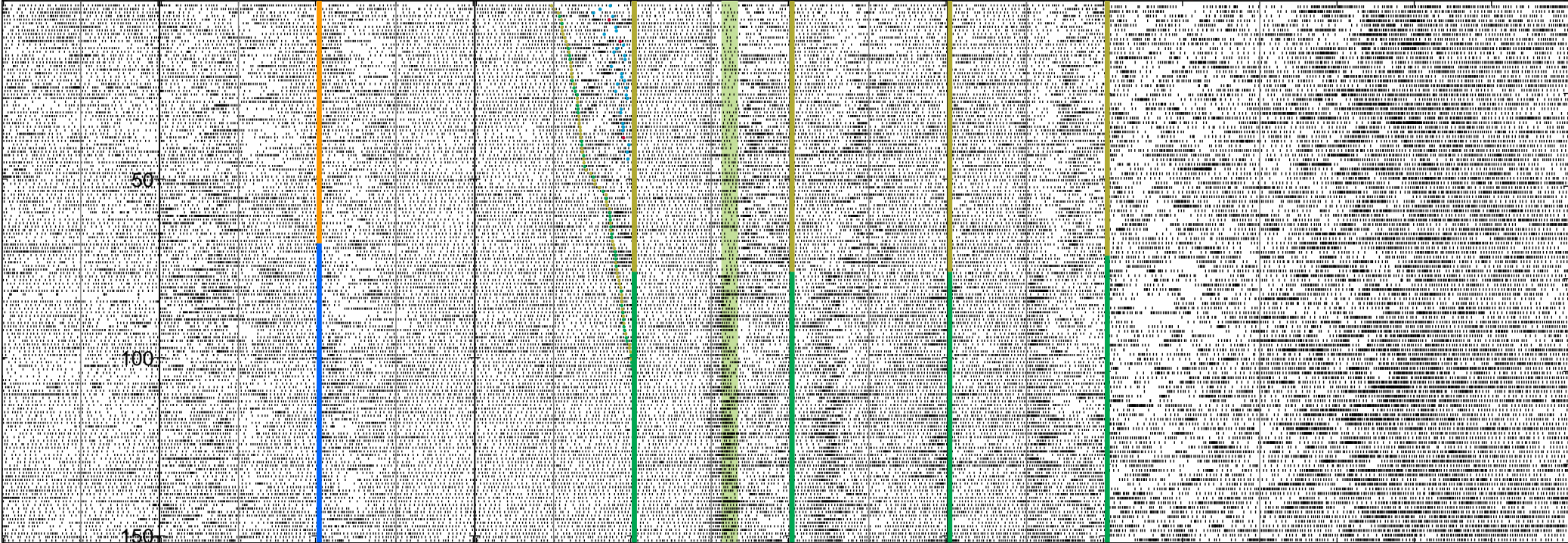
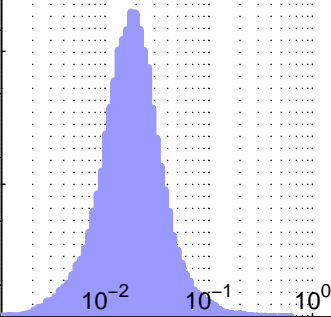
HP/PV



FR/PV



ISI Histogram [11466]



Cell: C0520070405T11b

AP: -0.48 ML: 4.6 DV: 4.4

w: 1 n: 14553 $P_{ISI>2}$: 0.049

1/2pw: 162 μ s p \rightarrow v: 373 μ s

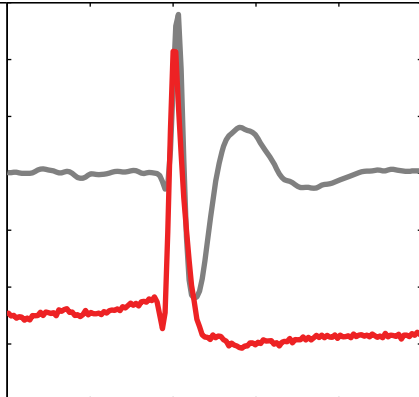
β_T : -2.6 β_D : -2.5

β_P : 3.4 SI: -0.44

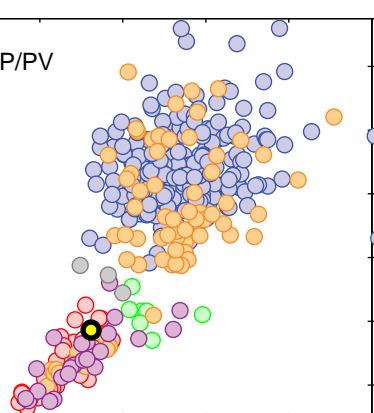
Session FR: 9.1 Hz

Pk Ev: 5 - Choice (Contra)

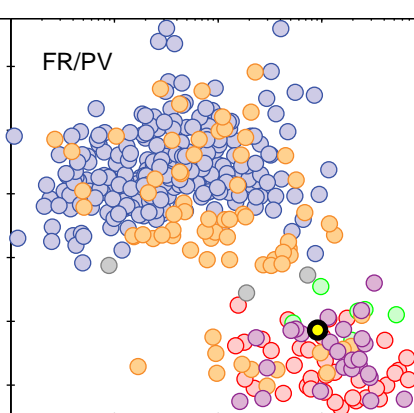
Pk FR: 24Hz (0.09s) **FSI**



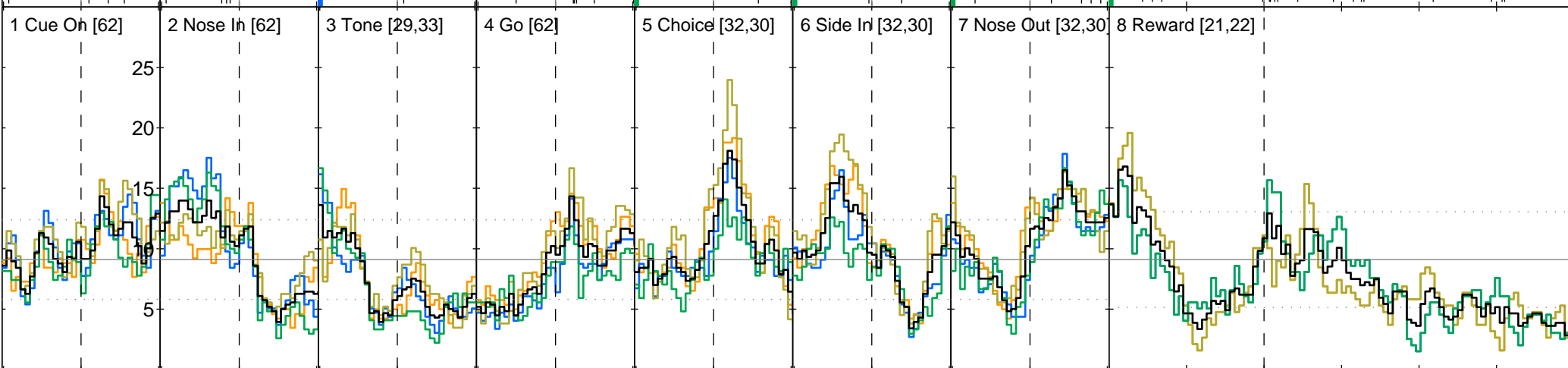
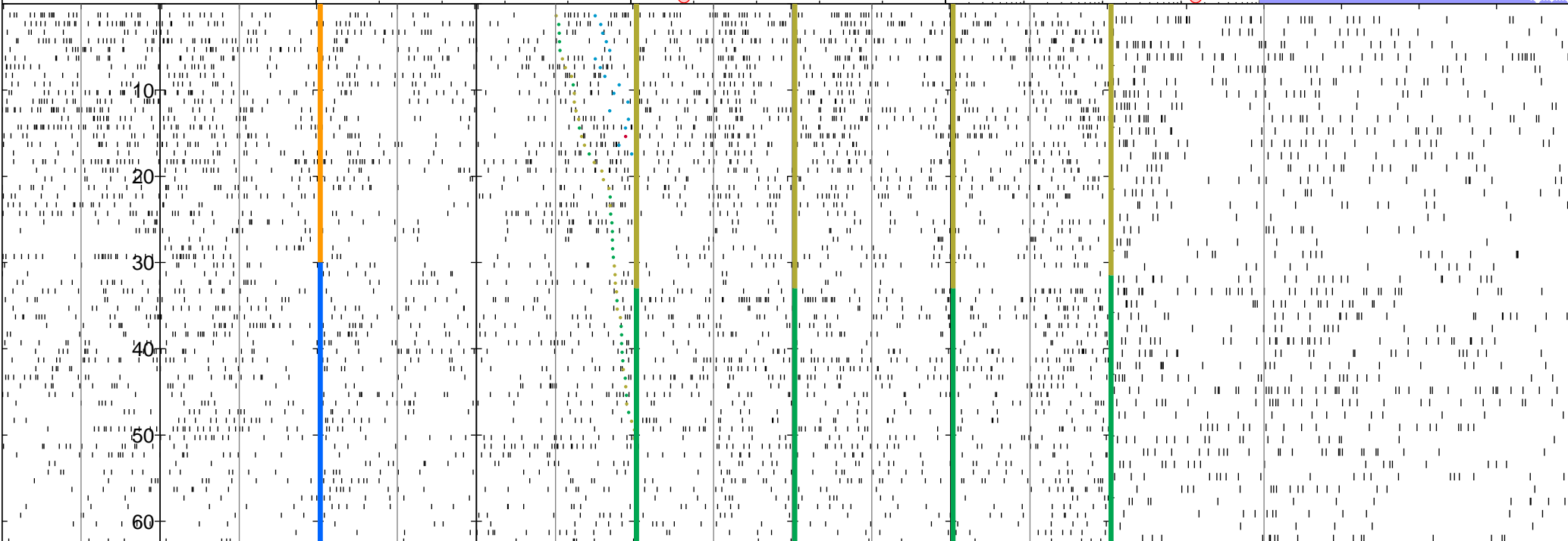
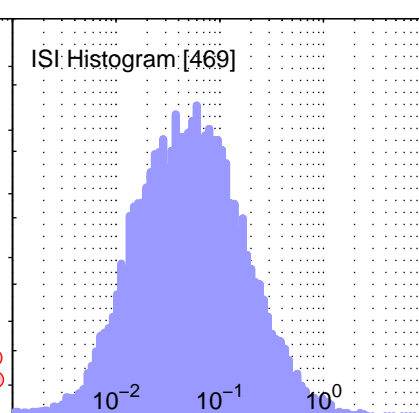
HP/PV



FR/PV



ISI Histogram [469]



1 Cue On [62]

2 Nose In [62]

3 Tone [29,33]

4 Go [62]

5 Choice [32,30]

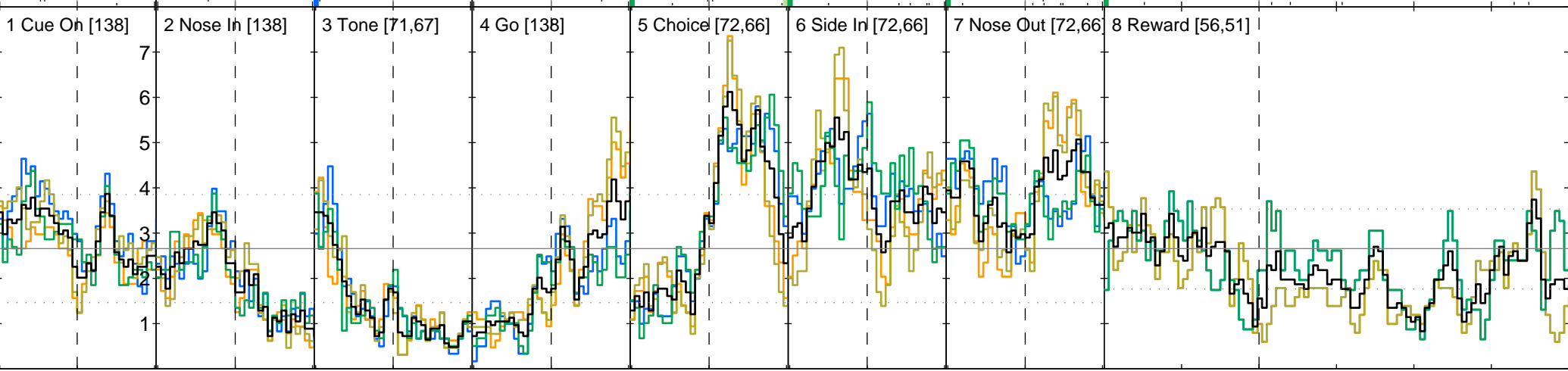
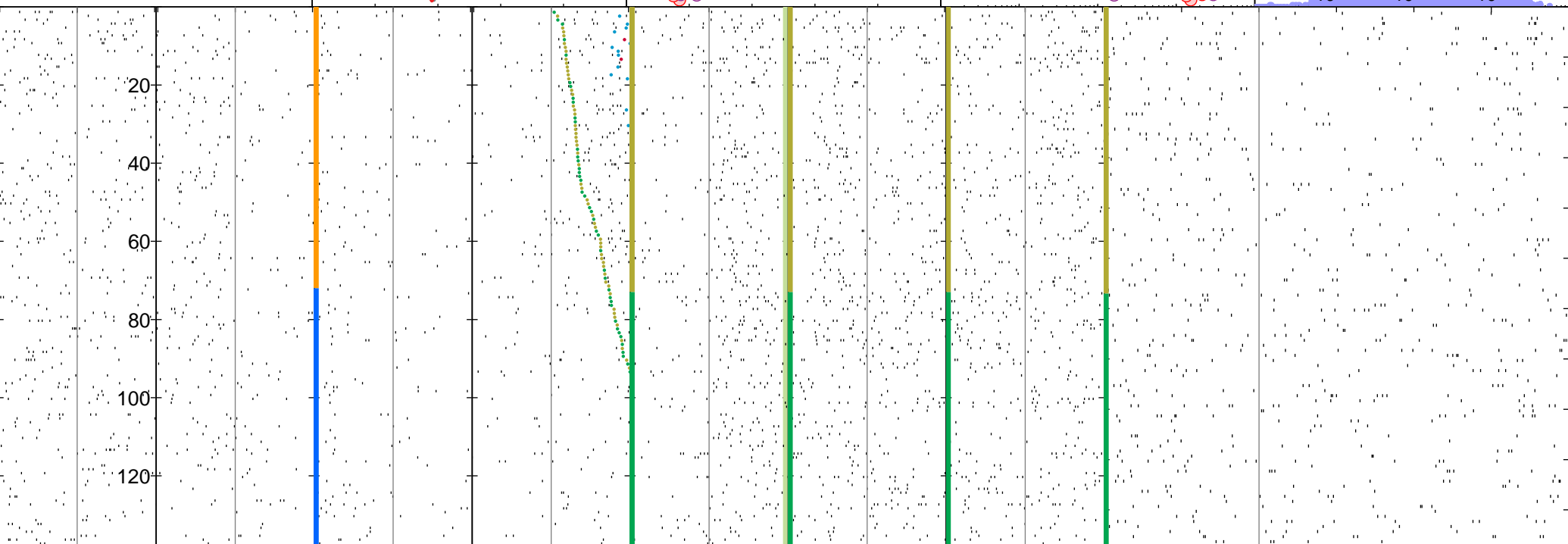
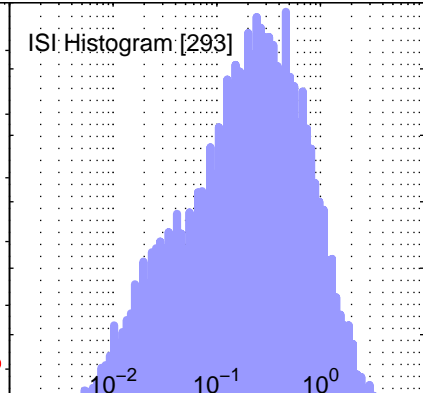
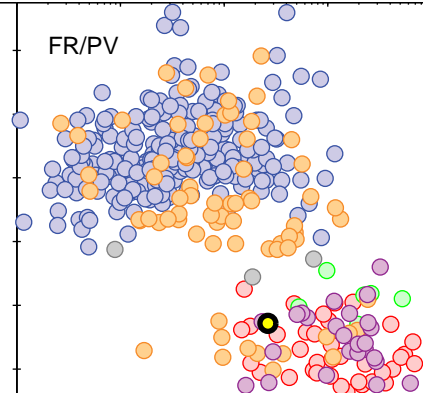
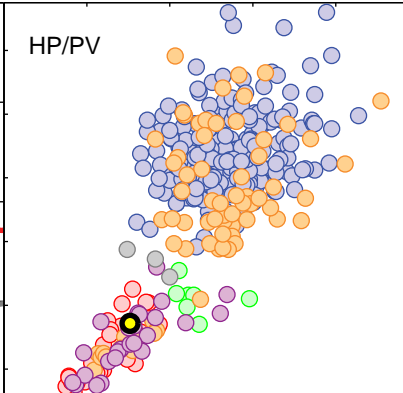
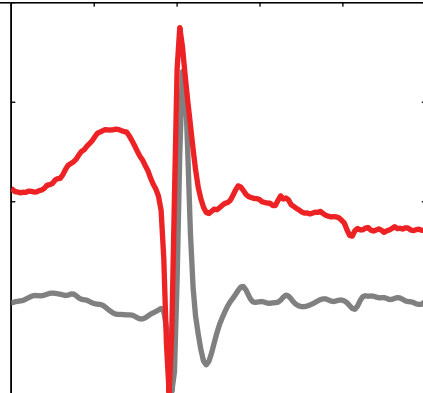
6 Side In [32,30]

7 Nose Out [32,30]

8 Reward [21,22]

Cell: C0420070301T05a

AP: 2.5 ML: 1.3 DV: 6.3
w: 1 n: 9694 $P_{ISI>2}$: 0.092
1/2pw: 152 μ s p \rightarrow v: 344 μ s
 β_T : 2.4 β_D : 3.9
 β_P : 2.9 SI: -0.43
Session FR: 2.66 Hz
Pk Ev: 5 - Choice (Tone1)
Pk FR: 7.36Hz (0.12s) **FSI**



Cell: C0520070416T07a

AP: 1.3 ML: 3.4 DV: 4.5

w: 3 n: 159960 $P_{ISI>2}$: 0

1/2pw: 88 μ s p \rightarrow v: 157 μ s

β_T : -2.6 β_D : 9.8

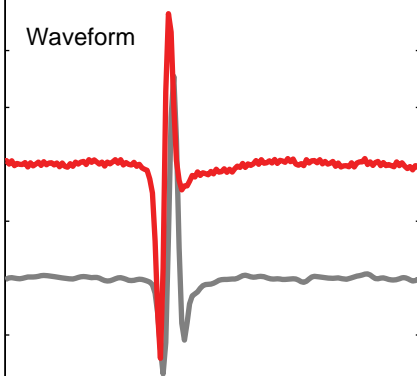
β_P : -3.8 SI: 0.45

Session FR: 35.9 Hz

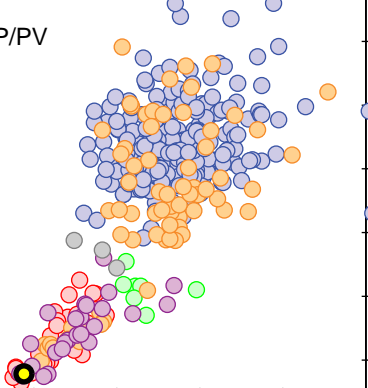
Pk Ev: 5 - Choice (Ipsi)

Pk FR: 76Hz (0.12s) **FSI**

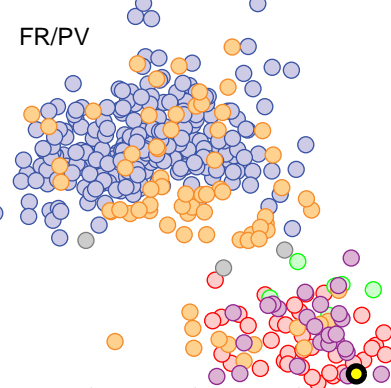
Waveform



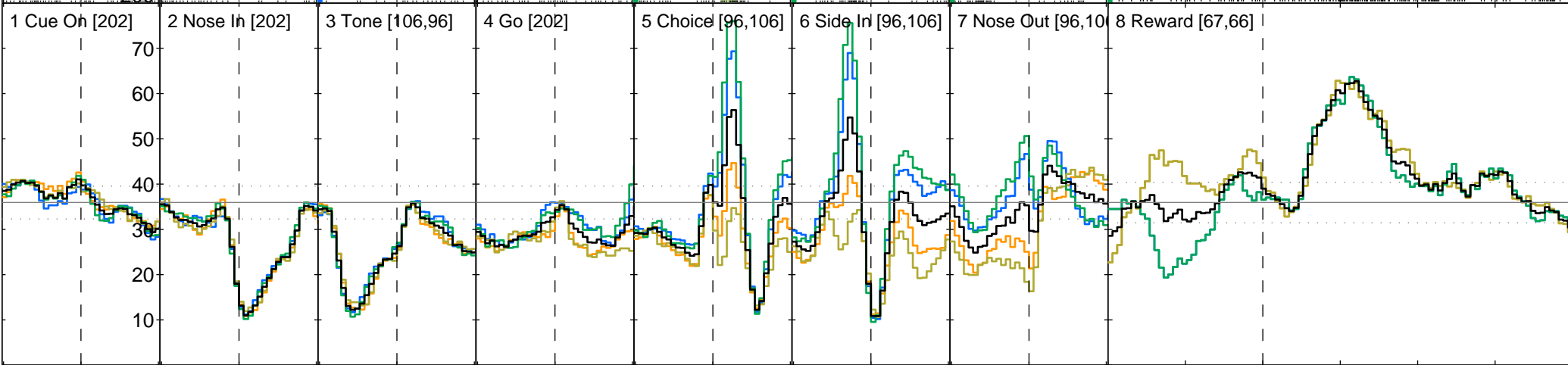
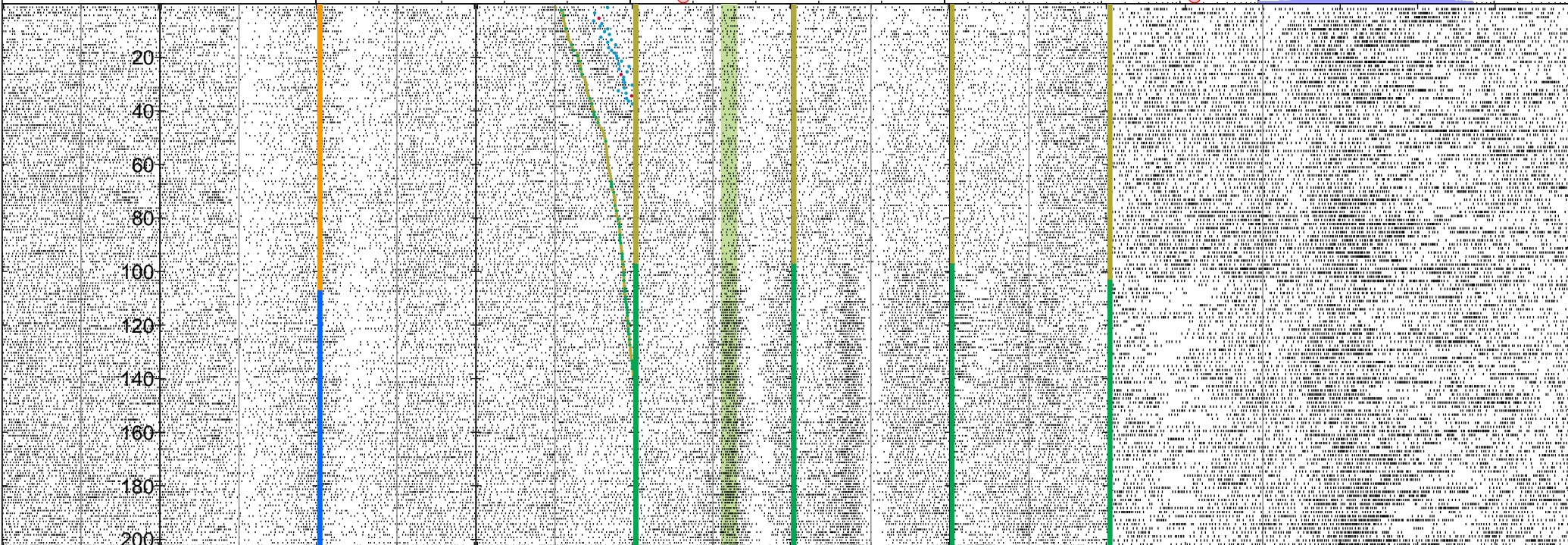
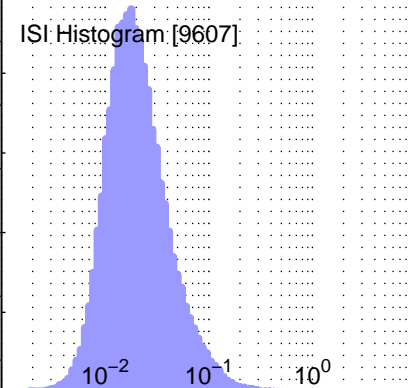
HP/PV



FR/PV



ISI Histogram [9607]



Cell: C0320070619T11d

AP: -0.96 ML: 3.7 DV: 5.4

w: 4 n: 57400 $P_{ISI>2}$: 0

1/2pw: 75 μ s p->v: 146 μ s

β_T : -3.9 β_D : -2.8

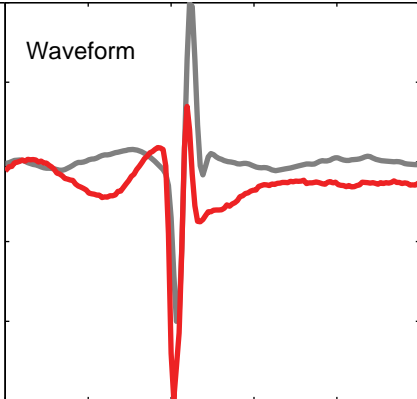
β_P : 2.7 SI: -0.23

Session FR: 13.5 Hz

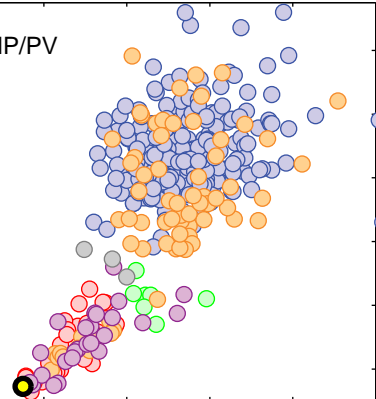
Pk Ev: 5 - Choice (Ipsi)

Pk FR: 24.8Hz (0.15s) **FSI**

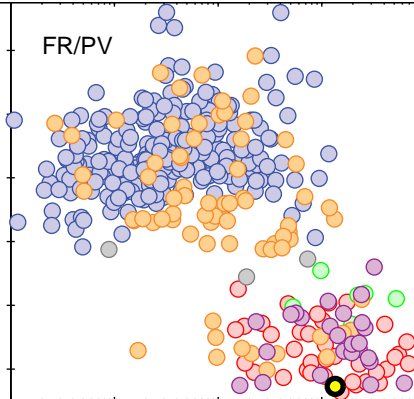
Waveform



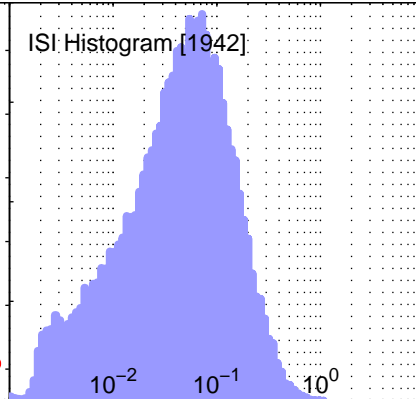
HP/PV



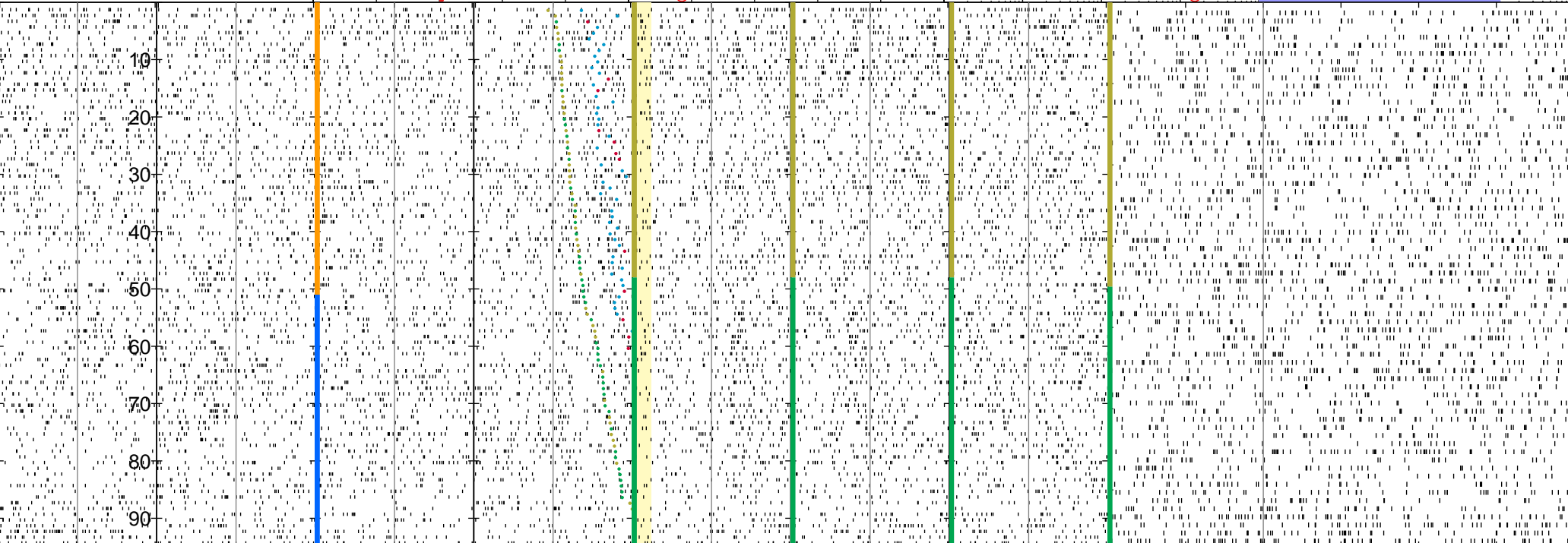
FR/PV



ISI Histogram [1942]

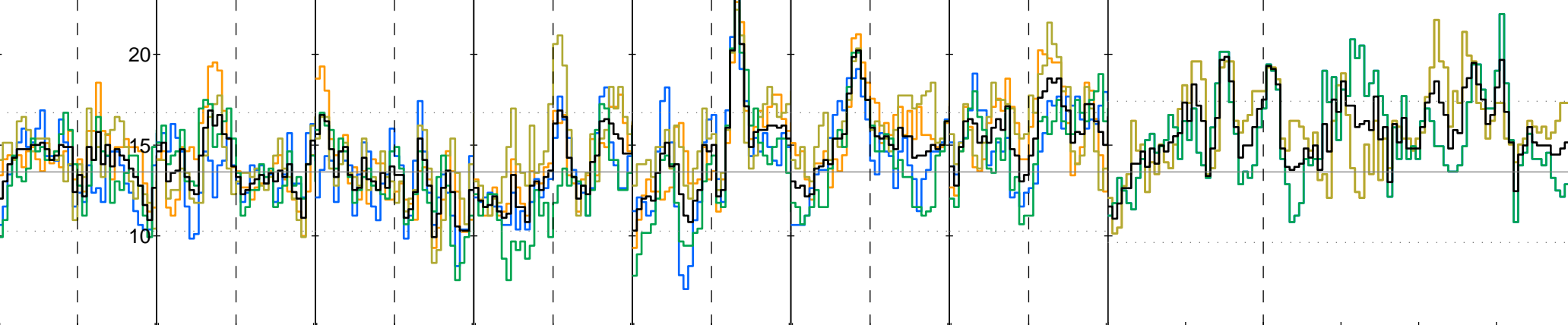


10
20
30
40
50
60
70
80
90



1 Cue Oh [94] 2 Nose In [94] 3 Tone [50,44] 4 Go [94] 5 Choice [47,47] 6 Side In [47,47] 7 Nose Out [47,47] 8 Reward [34,32]

20
15
10



Cell: C0520070417T07g

AP: 1.3 ML: 3.4 DV: 4.5

w: 3 n: 4814 $P_{ISI>2}$: 0.38

1/2pw: 128 μ s p \rightarrow v: 323 μ s

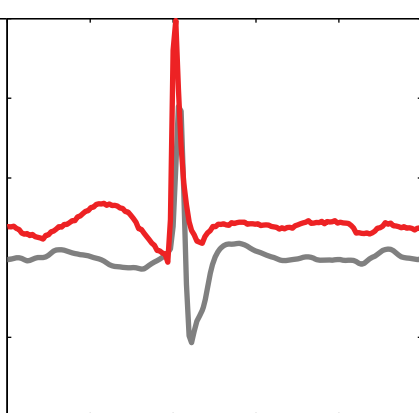
β_T : -3 β_D : 2.5

β_P : 2.1 SI: -0.27

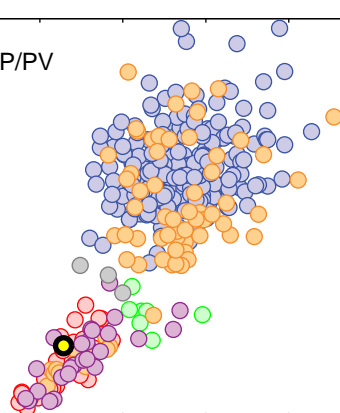
Session FR: 1.48 Hz

Pk Ev: 5 - Choice (Contra)

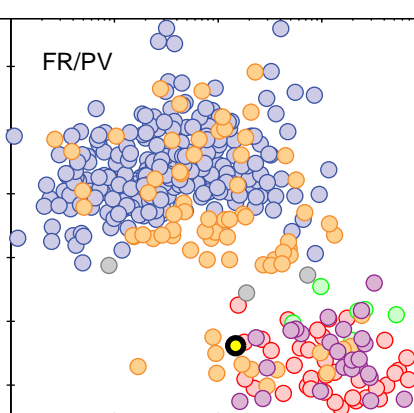
Pk FR: 6.46Hz (0.21s) **FSI**



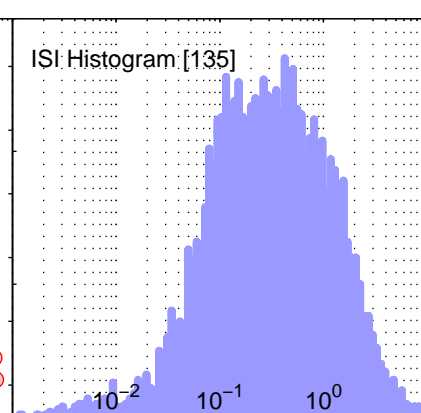
HP/PV



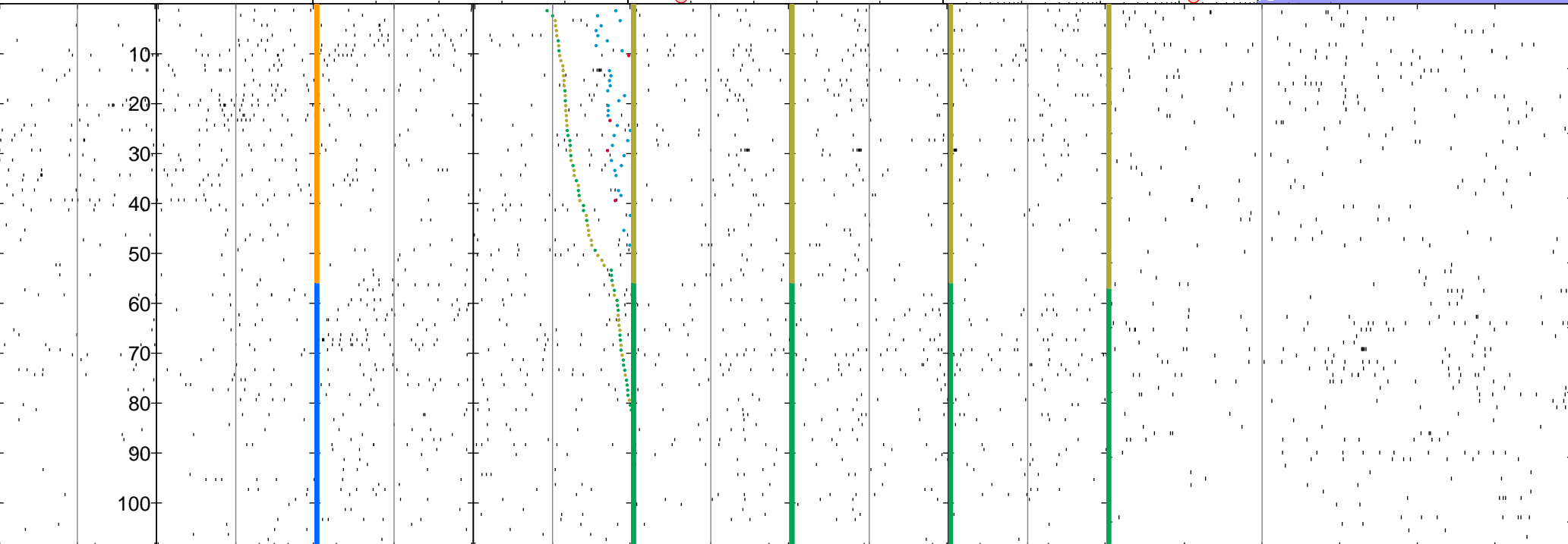
FR/PV



ISI Histogram [135]



10
20
30
40
50
60
70
80
90
100



1 Cue On [108]

2 Nose In [108]

3 Tone [55,53]

4 Go [108]

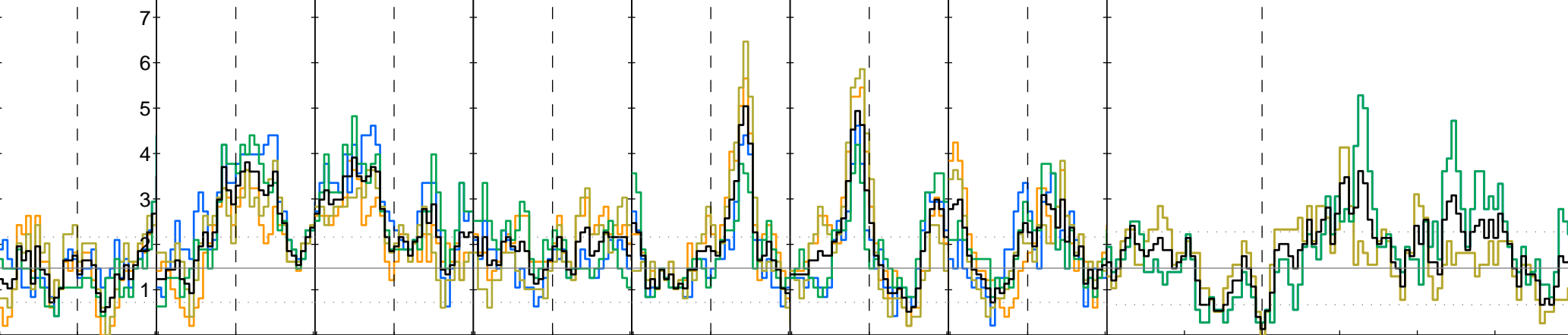
5 Choice [55,53]

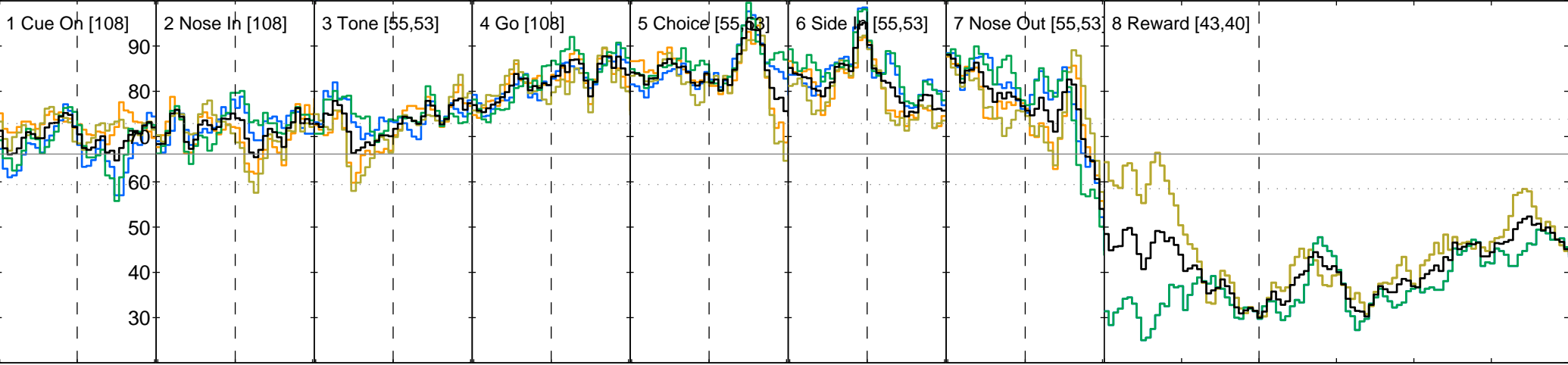
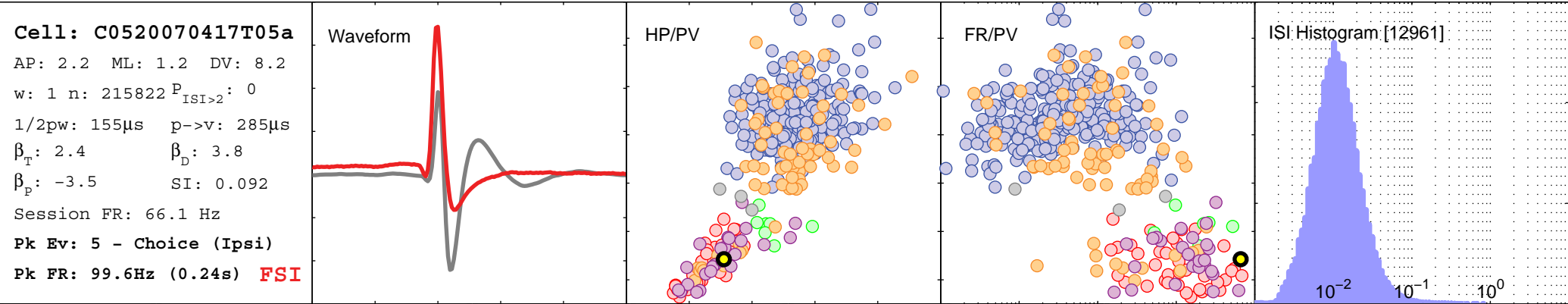
6 Side In [55,53]

7 Nose Out [55,53]

8 Reward [43,40]

7
6
5
4
3
2
1





Cell: C0320070624T06a

AP: 1.7 ML: 1.3 DV: 6.8

w: 4 n: 190479 $P_{ISI>2}$: 0

1/2pw: 130 μ s p \rightarrow v: 237 μ s

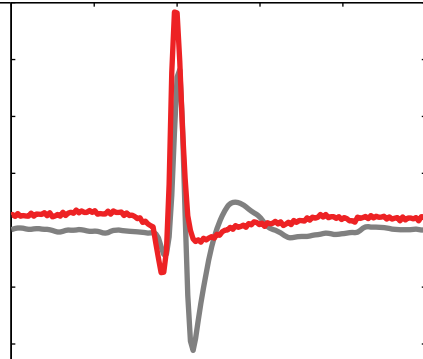
β_T : 2.3 β_D : -2.4

β_P : -2.9 SI: 0.074

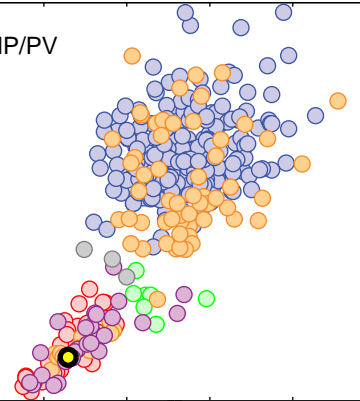
Session FR: 50.9 Hz

Pk Ev: 5 - Choice (Ipsi)

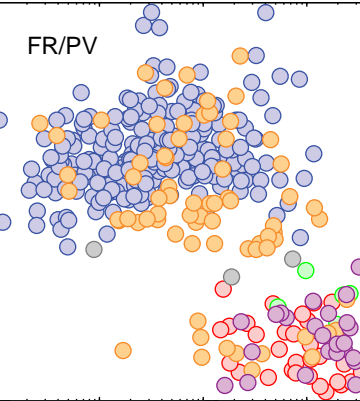
Pk FR: 99.1Hz (0.39s) **FSI**



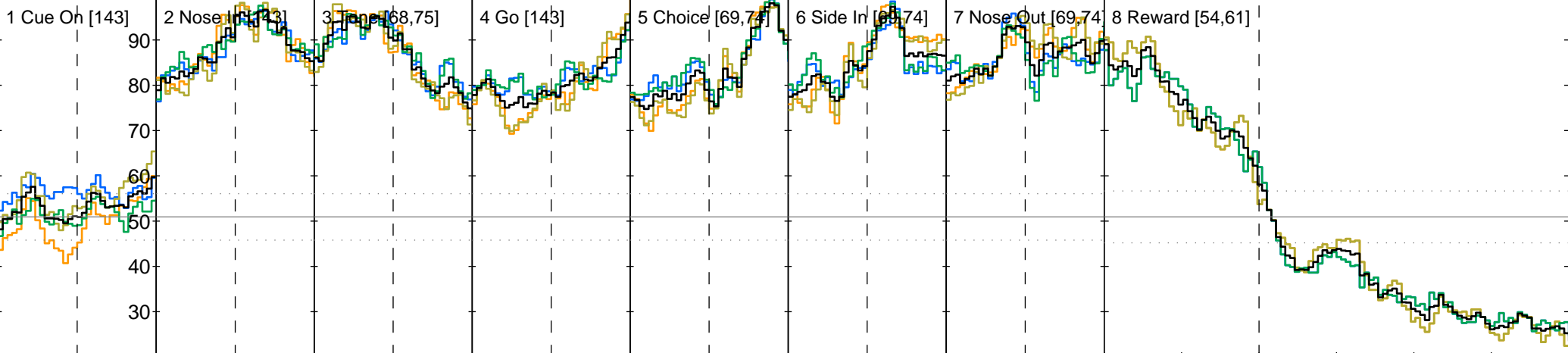
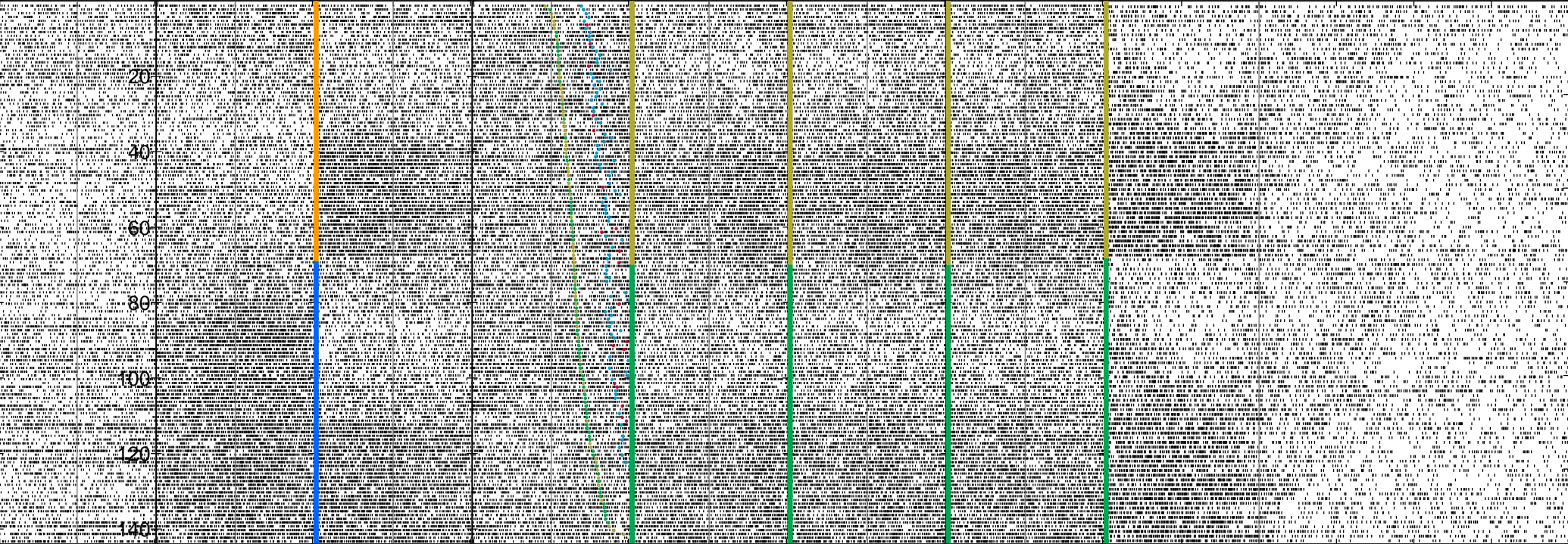
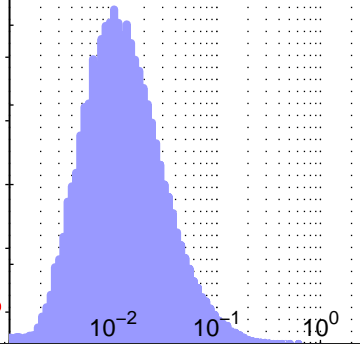
HP/PV



FR/PV



ISI Histogram [8395]



Cell: C0420070314T05b

AP: 2.5 ML: 1.3 DV: 6.7

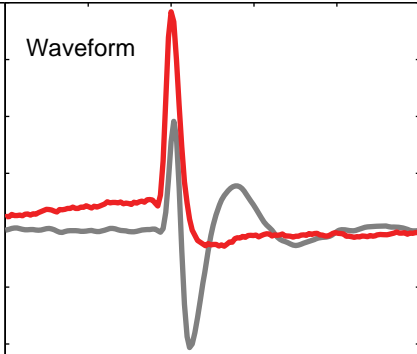
w: 4 n: 86309 $P_{ISI>2}$: 0.0121/2pw: 174 μ s p \rightarrow v: 408 μ s β_T : -2.4 β_D : -4.1 β_P : -3.2 SI: 0.29

Session FR: 11.6 Hz

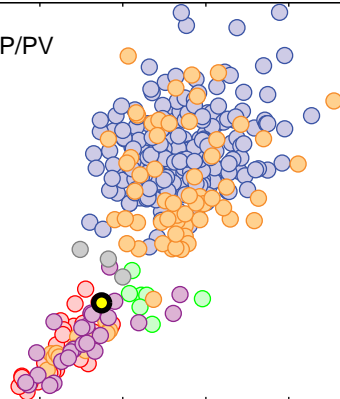
Pk Ev: 5 - Choice (Ipsi)

Pk FR: 23.7Hz (1.26s) **FSI**

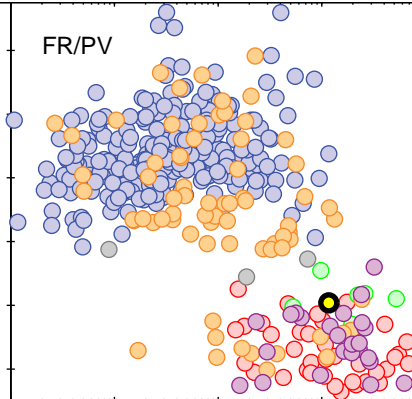
Waveform



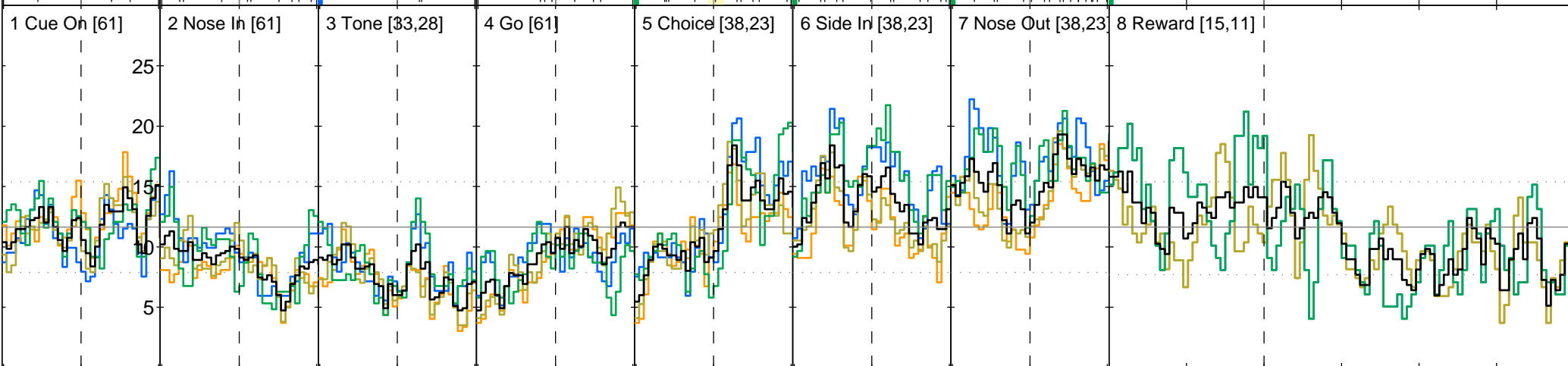
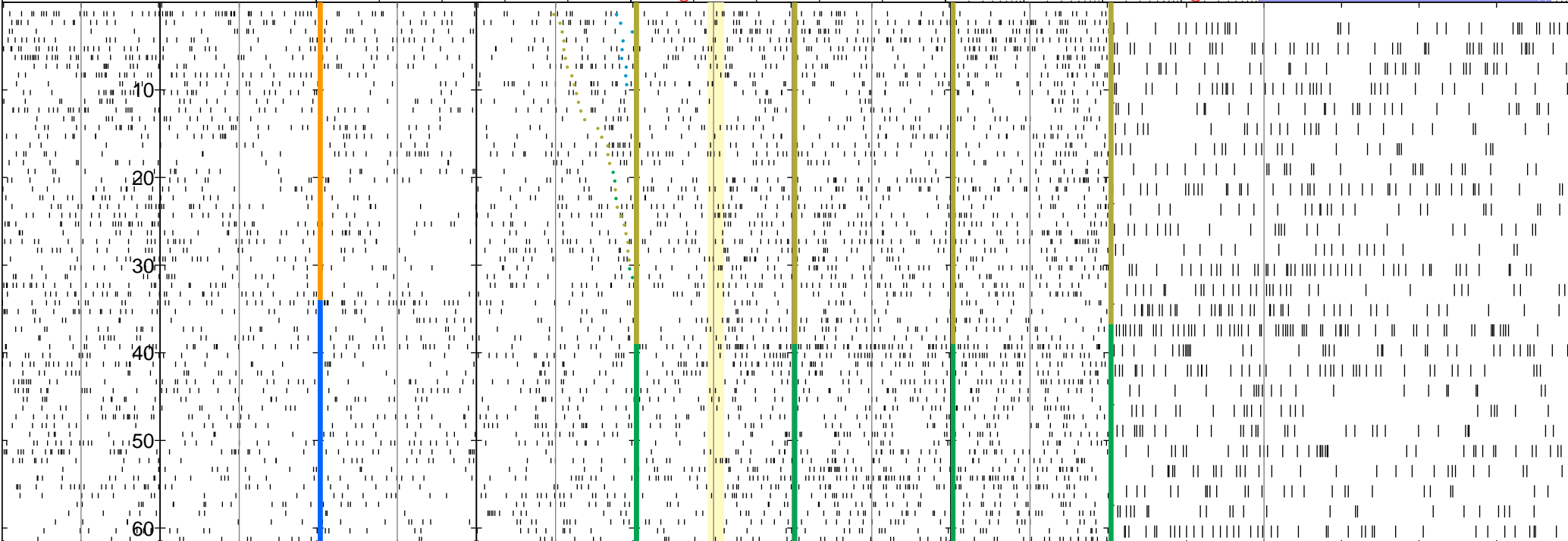
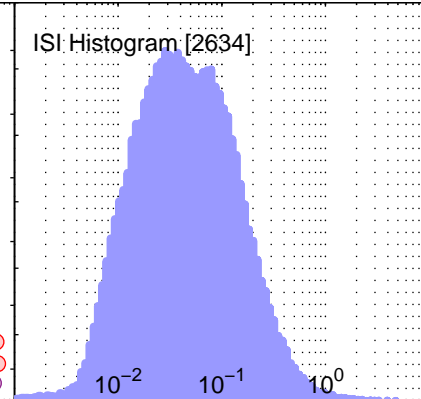
HP/PV



FR/PV



ISI Histogram [2634]



Cell: C0320070624T09c

AP: 1.6 ML: 3.7 DV: 5.4

w: 2 n: 74683 $P_{ISI>2}$: 0

1/2pw: 82 μ s p \rightarrow v: 160 μ s

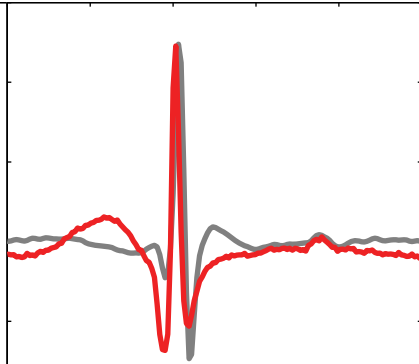
β_T : 4.3 β_D : 10

β_P : 3.3 SI: 0.61

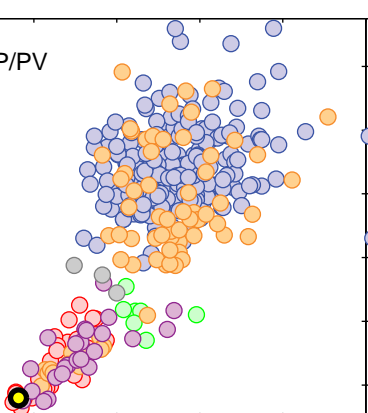
Session FR: 20 Hz

Pk Ev: 6 - Side In (Contra)

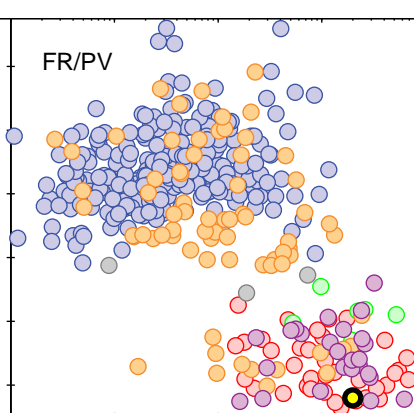
Pk FR: 37.7Hz (-0.06s) **FSI**



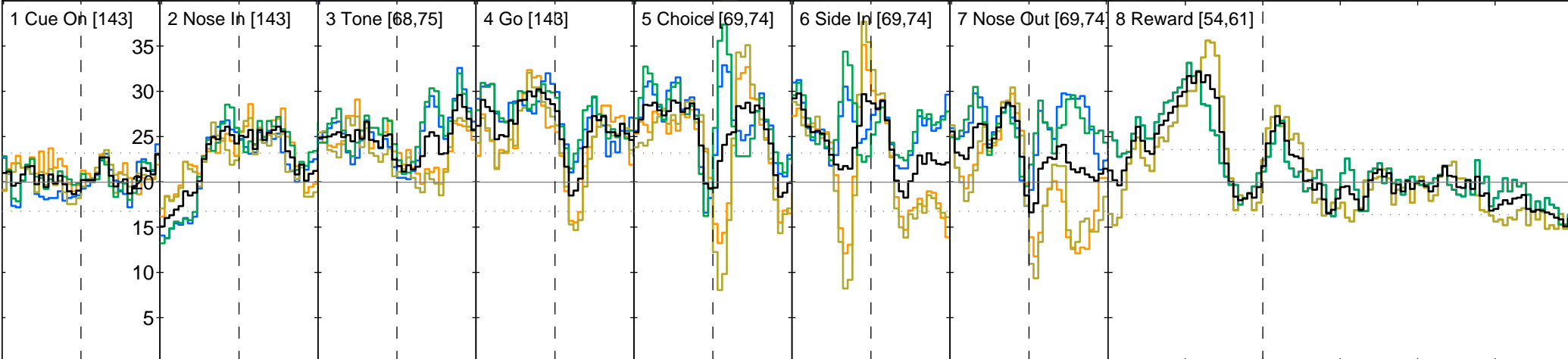
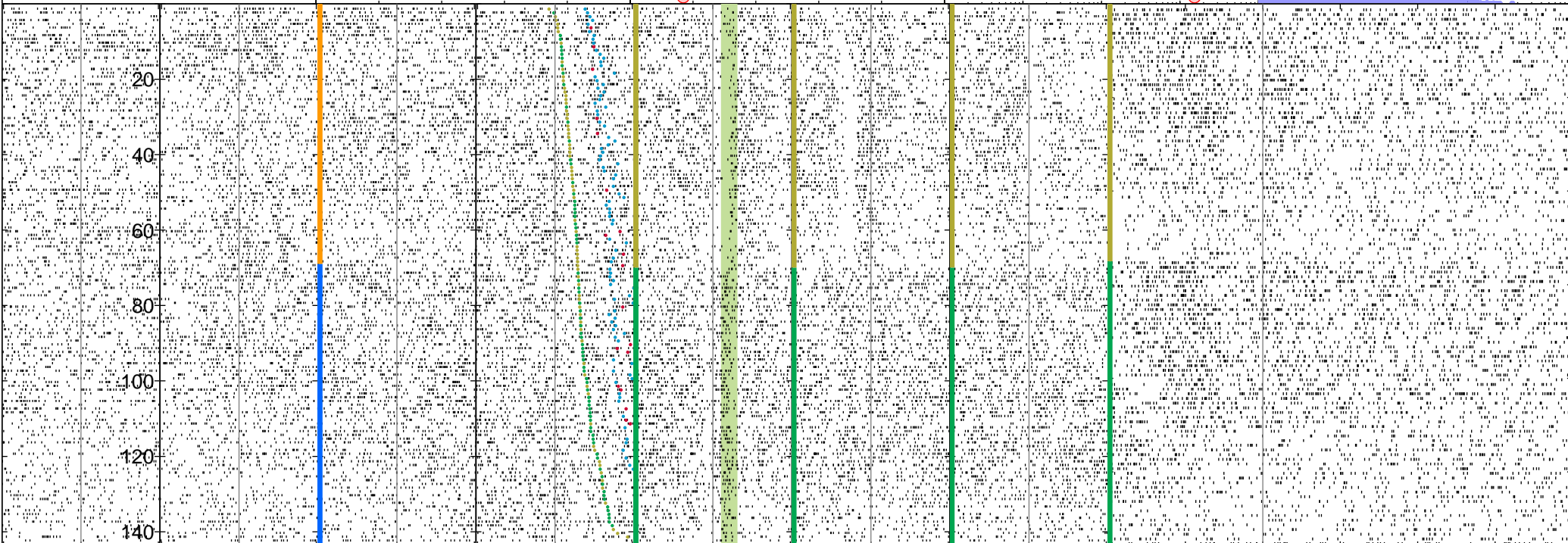
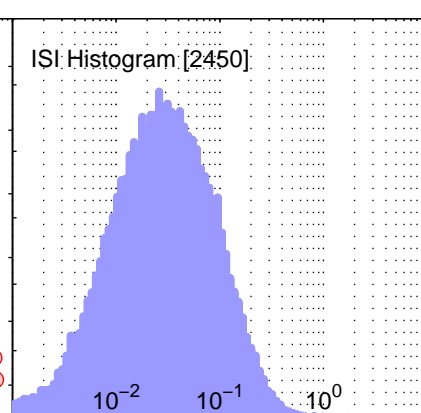
HP/PV



FR/PV



ISI Histogram [2450]



Cell: C0320070627T09a

AP: 1.6 ML: 3.7 DV: 5.8

w: 1 n: 36513 $P_{ISI>2}$: 0.0019

1/2pw: 78 μ s p \rightarrow v: 178 μ s

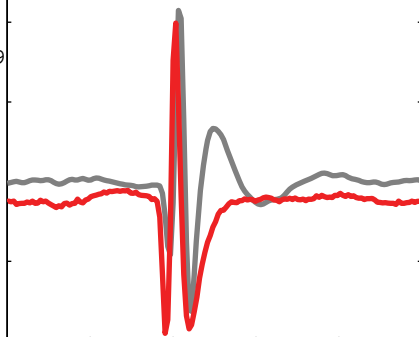
β_T : 3 β_D : -4.2

β_P : -4 SI: -0.27

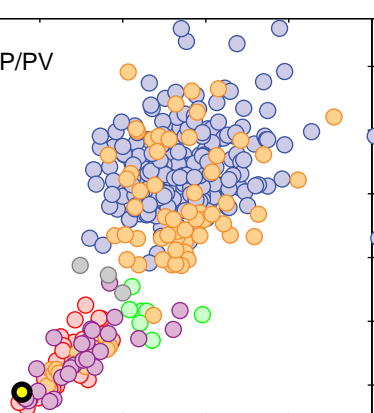
Session FR: 10.6 Hz

Pk Ev: 6 - Side In (Contra)

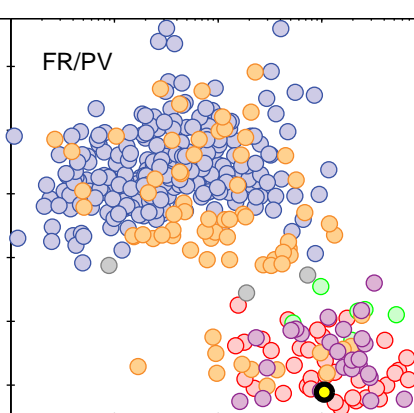
Pk FR: 27.2Hz (0.03s) **FSI**



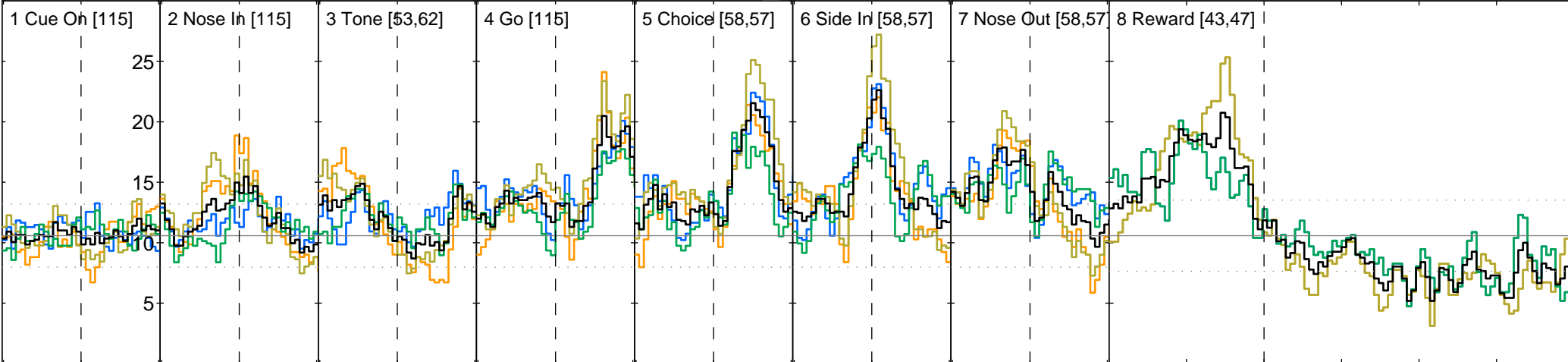
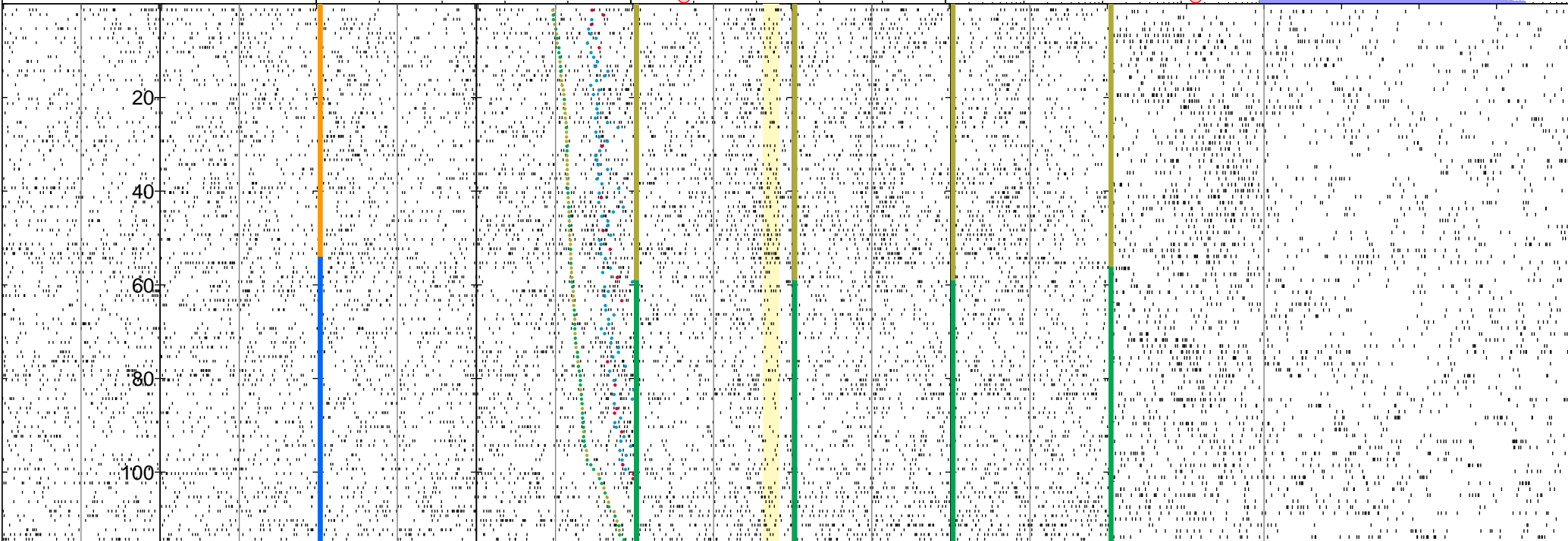
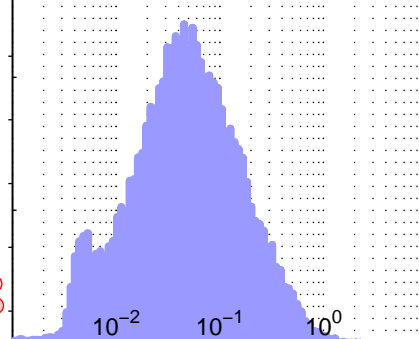
HP/PV



FR/PV



ISI Histogram [1199]



Cell: C0520070402T07a

AP: 1.3 ML: 3.4 DV: 3.4

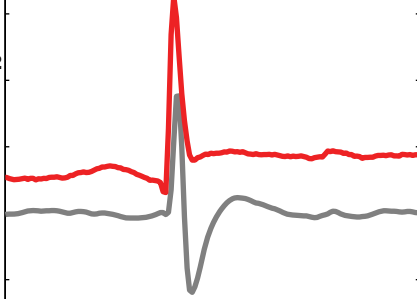
w: 3 n: 60502 $P_{ISI>2}$: 0.00821/2pw: 133 μ s p \rightarrow v: 240 μ s β_T : 3.1 β_D : 3.5 β_P : 3.7 SI: 0.32

Session FR: 13.3 Hz

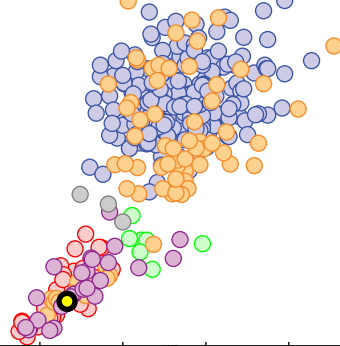
Pk Ev: 6 - Side In (Ipsi)

Pk FR: 28.7Hz (0.18s) **FSI**

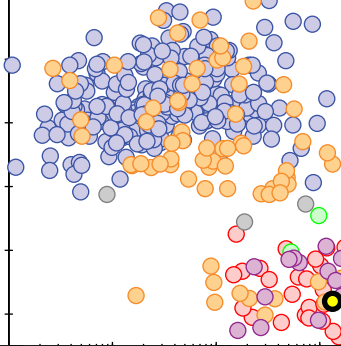
Waveform



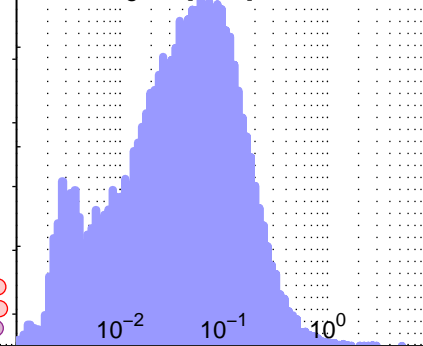
HP/PV



FR/PV



ISI Histogram [1786]



20

40

60

80

100

120

140

160

1 Cue On [177]

2 Nose In [177]

3 Tone [84,93]

4 Go [177]

5 Choice [96,81]

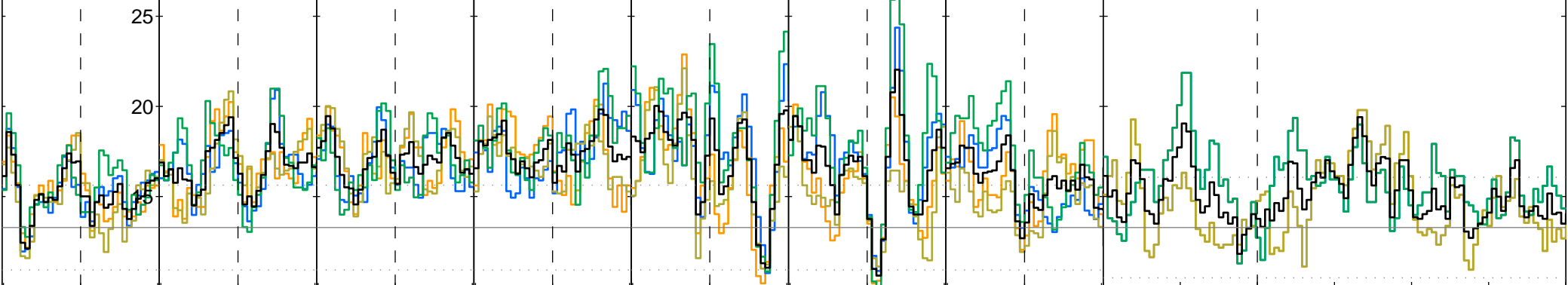
6 Side In [96,81]

7 Nose Out [96,81]

8 Reward [64,62]

25

20



Cell: C0320070622T09a

AP: 1.6 ML: 3.7 DV: 5.2

w: 2 n: 42931 $P_{ISI>2}$: 0

1/2pw: 120 μ s p \rightarrow v: 277 μ s

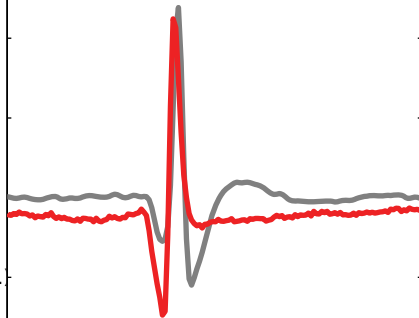
β_T : 2.3 β_D : -5.4

β_P : 2.9 SI: -0.48

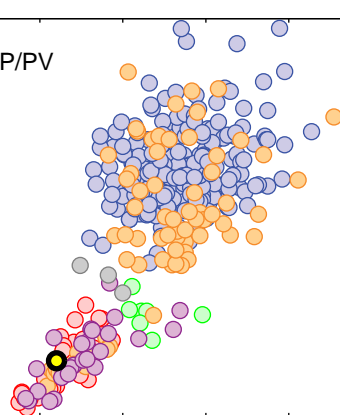
Session FR: 10.8 Hz

Pk Ev: 7 - Nose out (Contra)

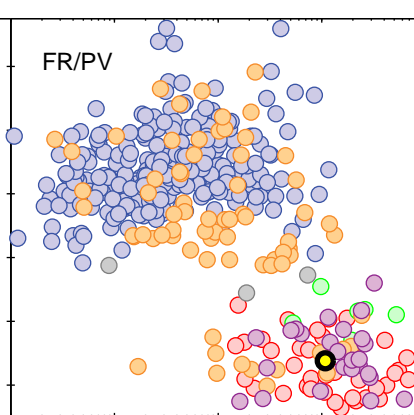
Pk FR: 26.4Hz (0.12s) **FSI**



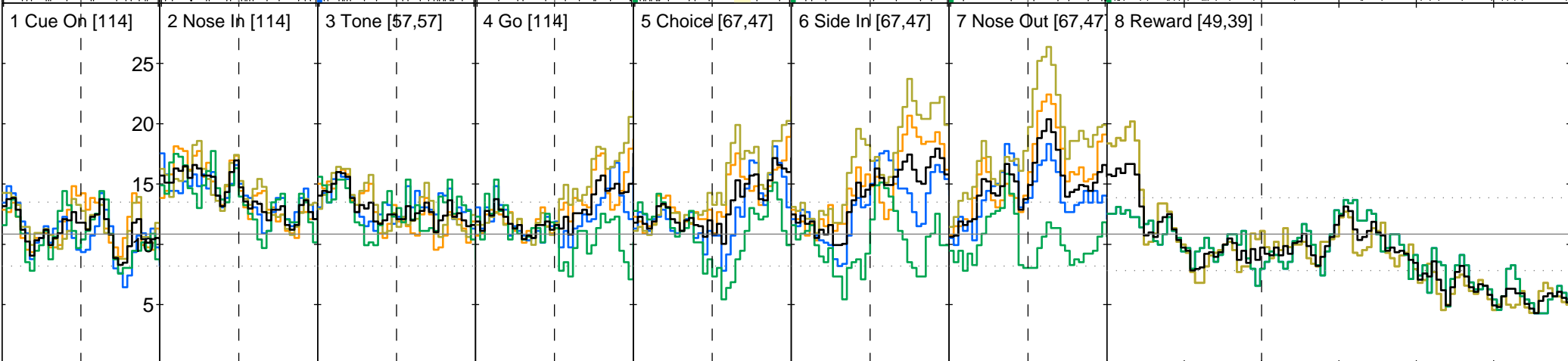
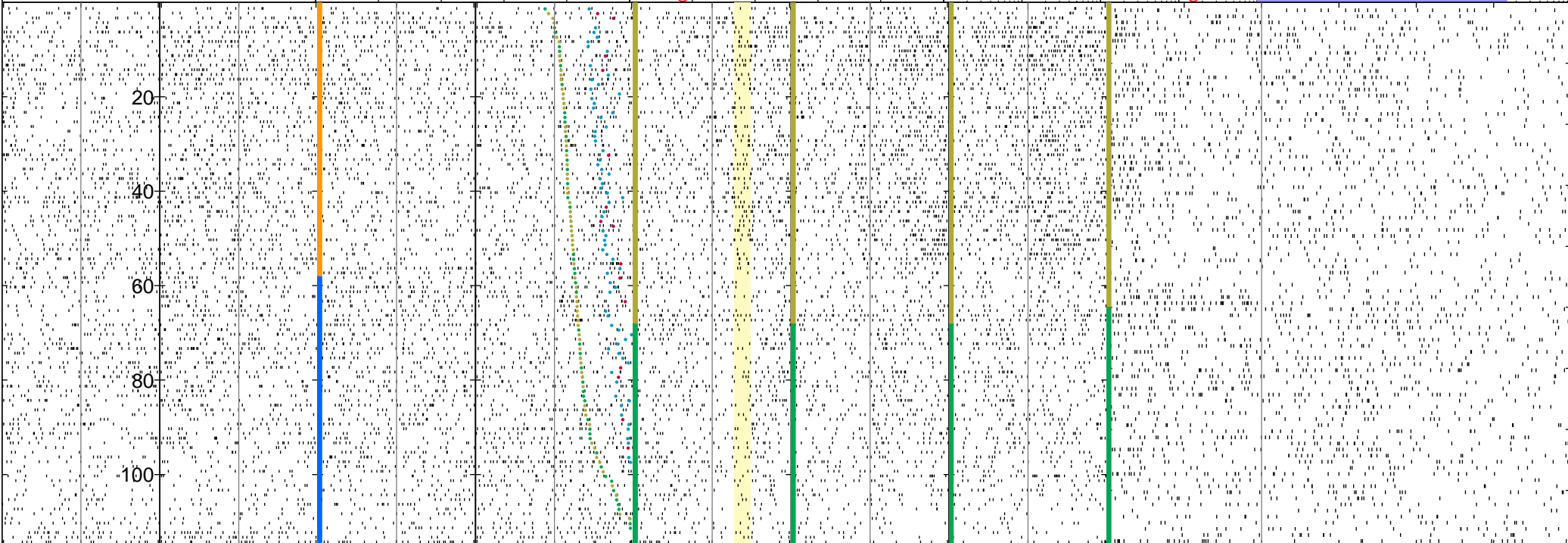
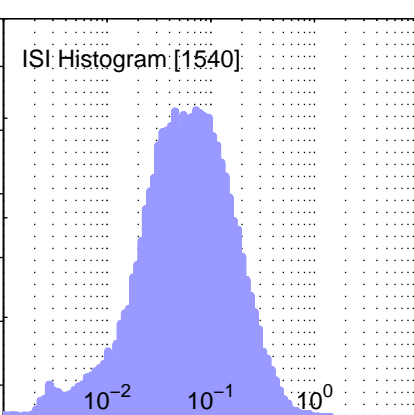
HP/PV



FR/PV



ISI Histogram [1540]



Cell: C0320070623T09j

AP: 1.6 ML: 3.7 DV: 5.3

w: 4 n: 29991 $P_{ISI>2}$: 0.0052

1/2pw: 122 μ s p \rightarrow v: 221 μ s

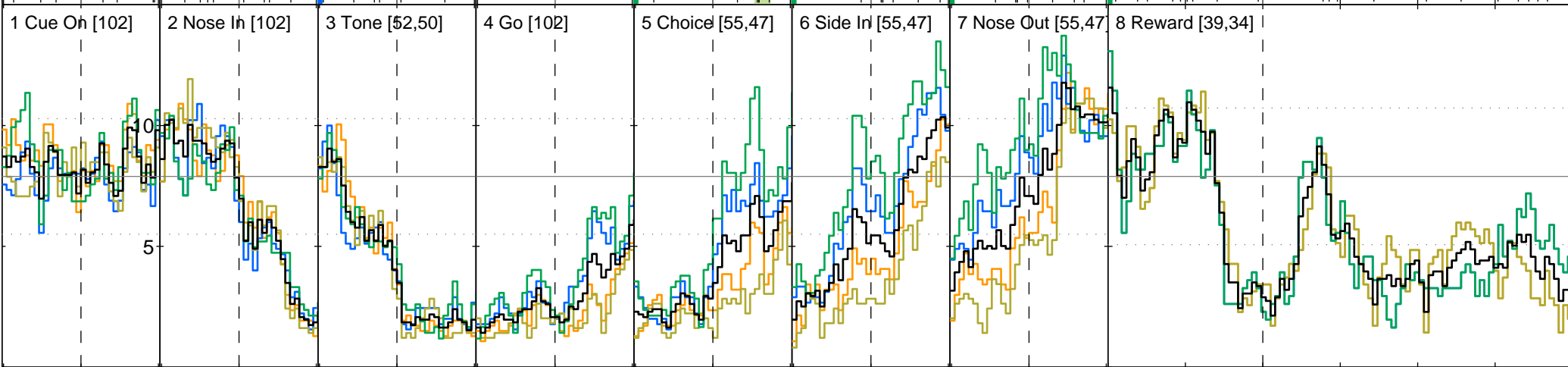
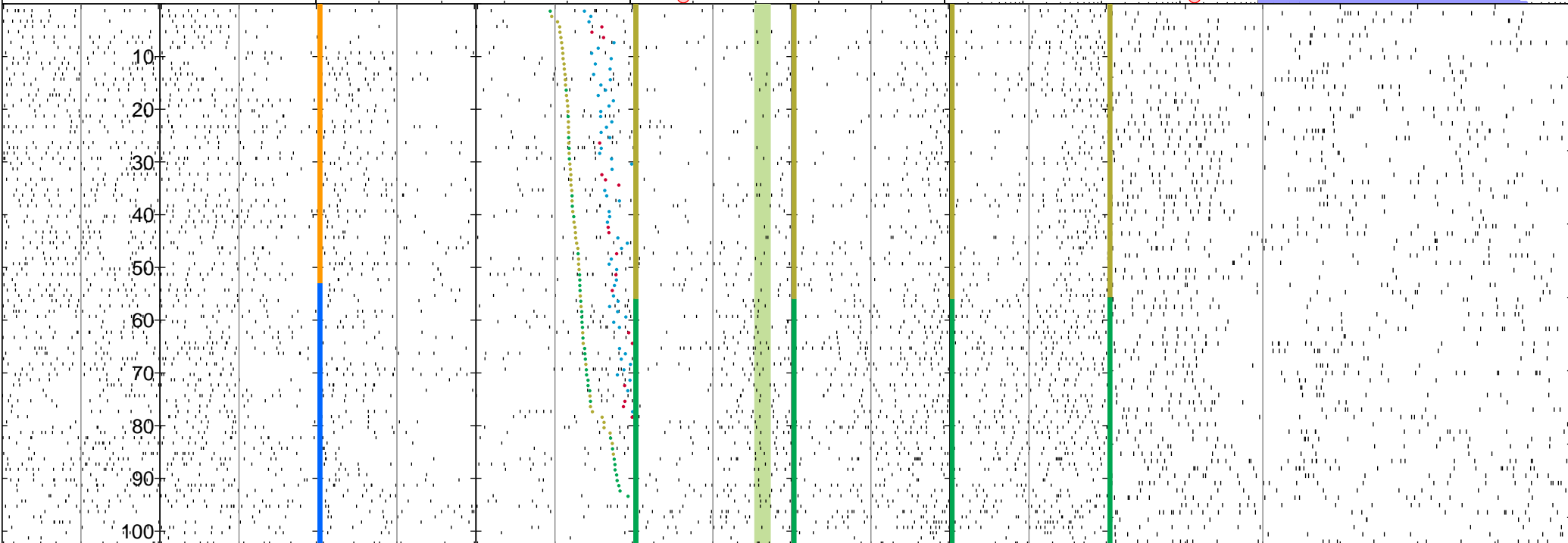
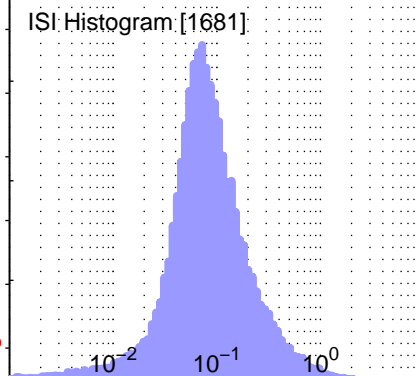
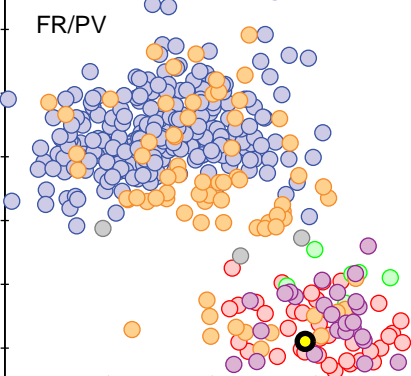
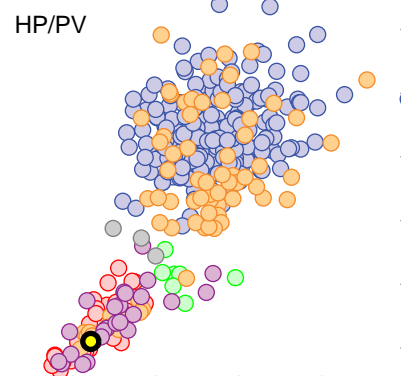
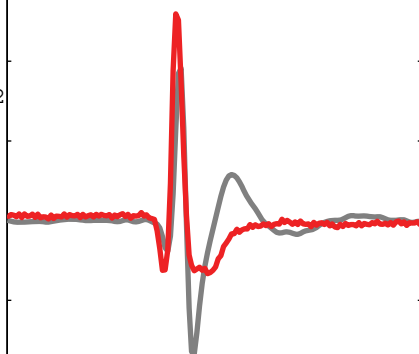
β_T : 2 β_D : 5.4

β_P : 3.2 SI: 0.6

Session FR: 7.89 Hz

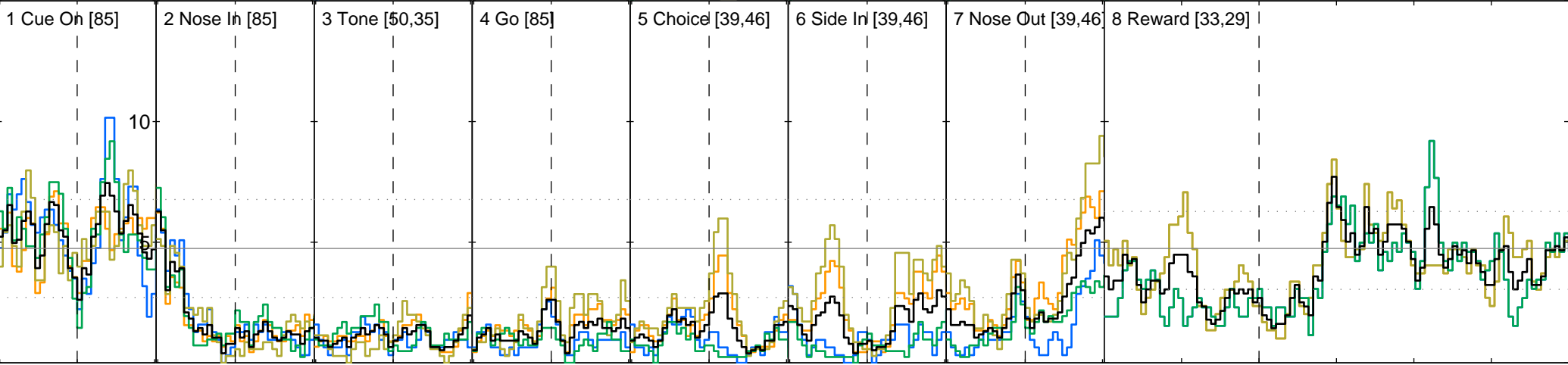
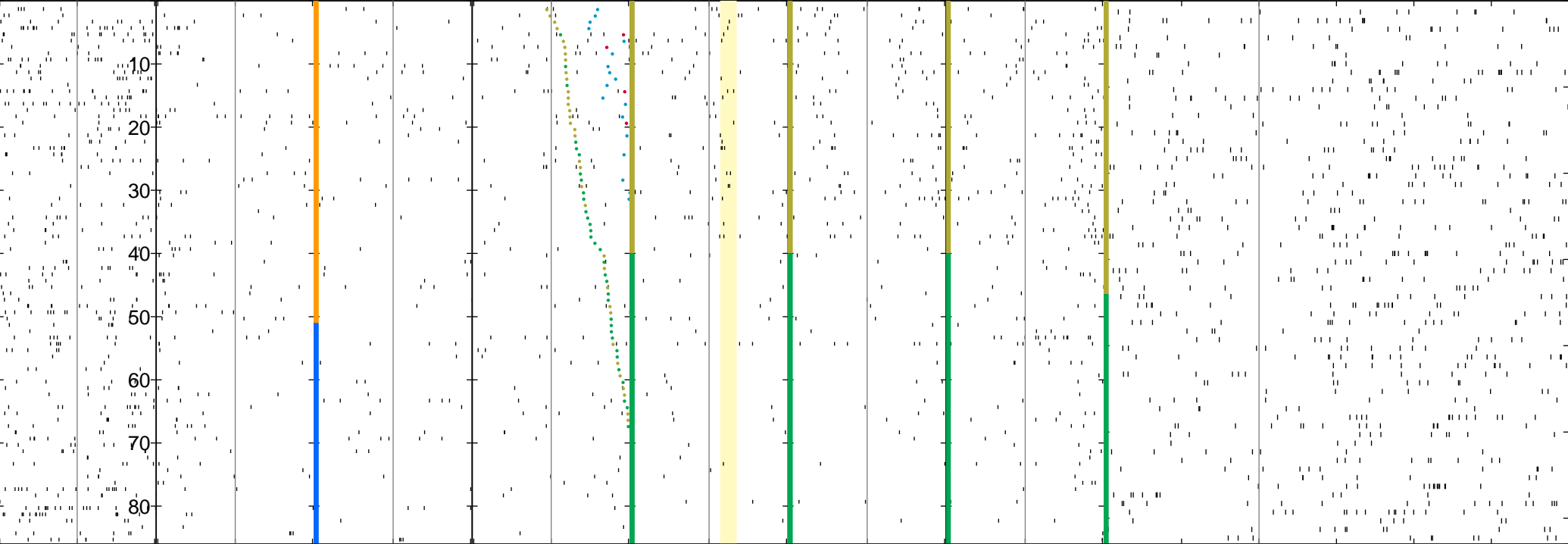
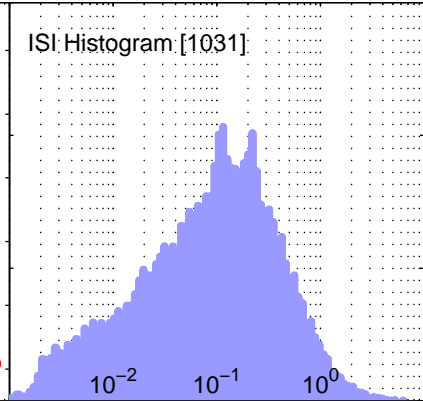
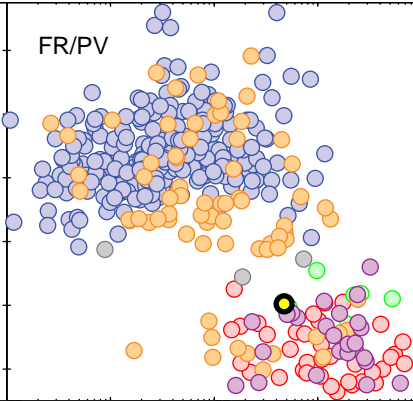
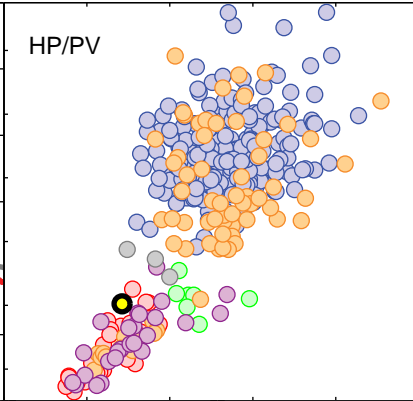
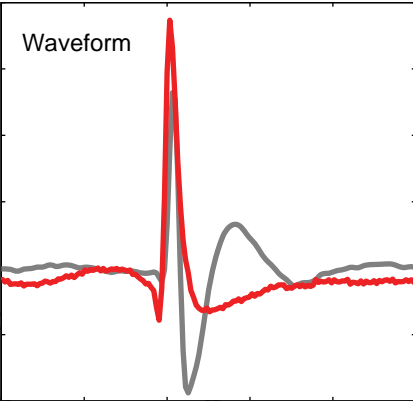
Pk Ev: 7 - Nose out (Ipsi)

Pk FR: 13.7Hz (0.21s) **FSI**



Cell: C0320070611T09f

AP: 1.6 ML: 3.7 DV: 4.7
w: 3 n: 35511 $P_{ISI>2}$: 0.081
1/2pw: 142 μ s p->v: 405 μ s
 β_T : -2.4 β_D : -3.7
 β_P : -3.1 SI: -0.92
Session FR: 4.74 Hz
Pk Ev: 7 - Nose out (Contra)
Pk FR: 11.1Hz (0.6s) **FSI**



1 Cue On [85]

2 Nose In [85]

3 Tone [50,35]

4 Go [85]

5 Choice [39,46]

6 Side In [39,46]

7 Nose Out [39,46]

8 Reward [33,29]

Cell: C0320070622T07c

AP: 0.96 ML: 3.6 DV: 6.1

w: 3 n: 83618 $P_{ISI>2}$: 0.039

1/2pw: 186 μ s p->v: 333 μ s

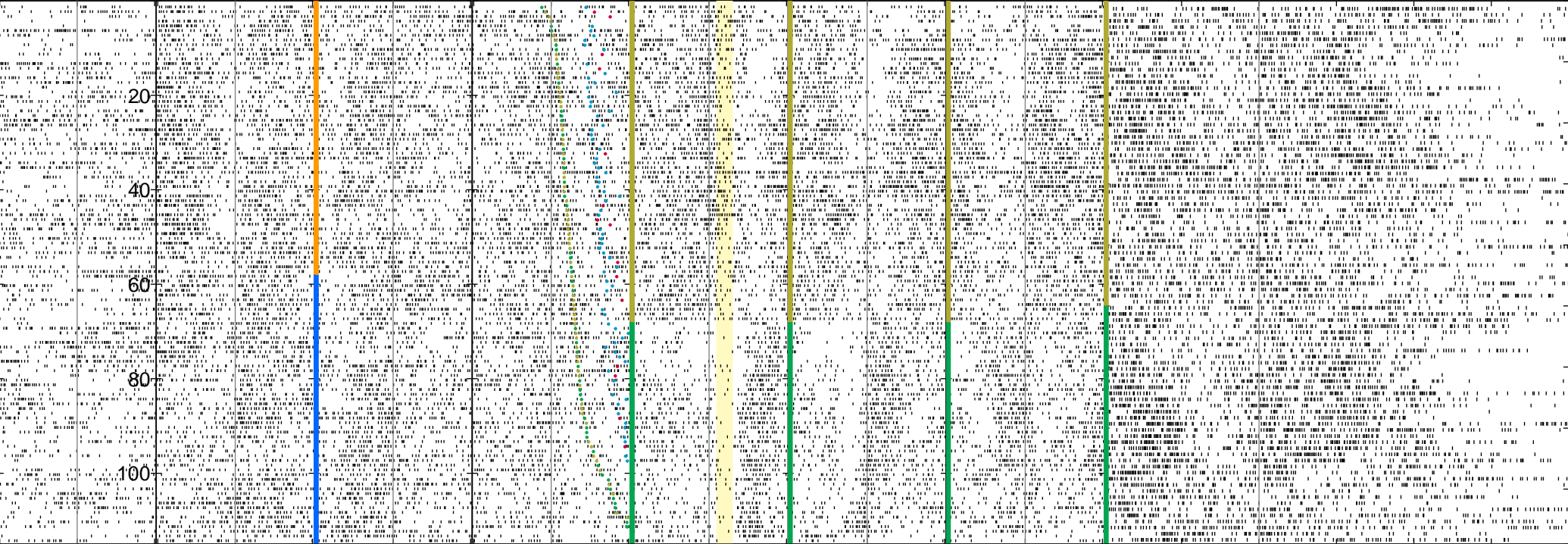
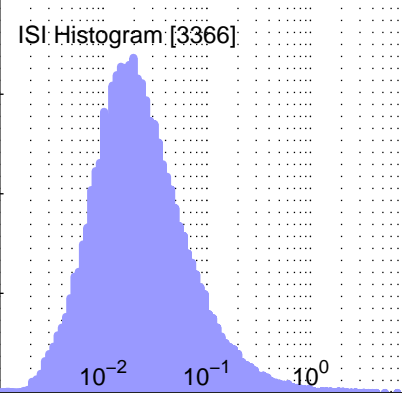
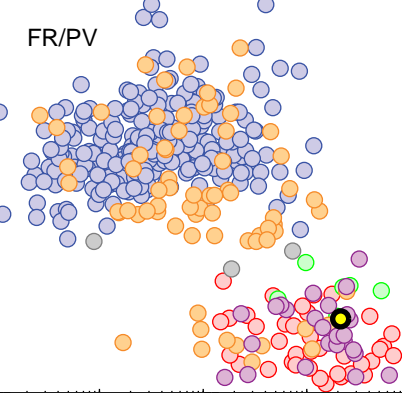
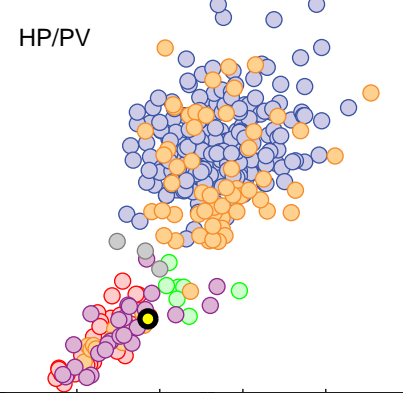
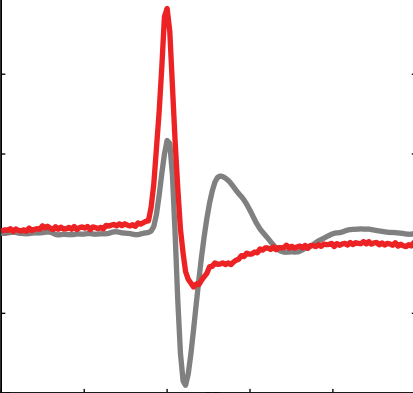
β_T : -3.1 β_D : -7.1

β_P : -3.8 SI: -0.47

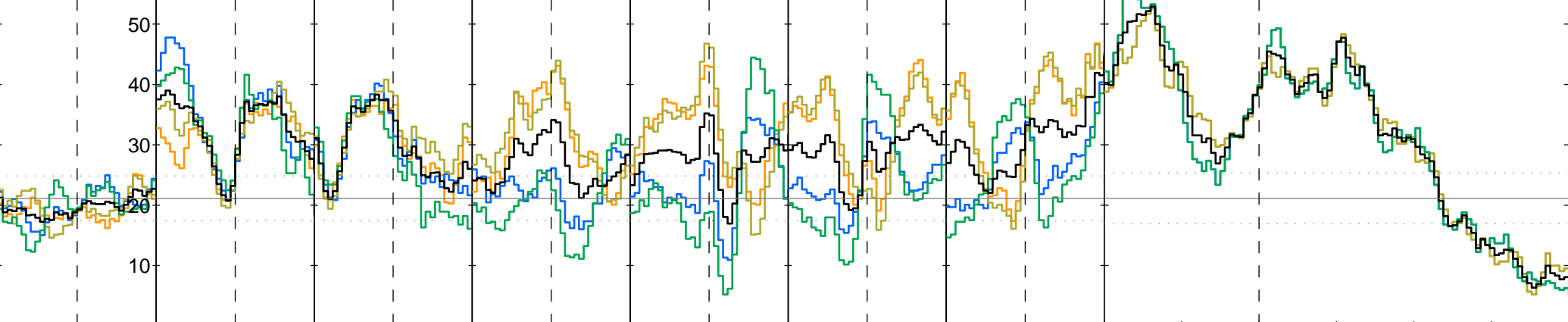
Session FR: 21.1 Hz

Pk Ev: 7 - Nose out (Ipsi)

Pk FR: 59.1Hz (0.75s) **FSI**

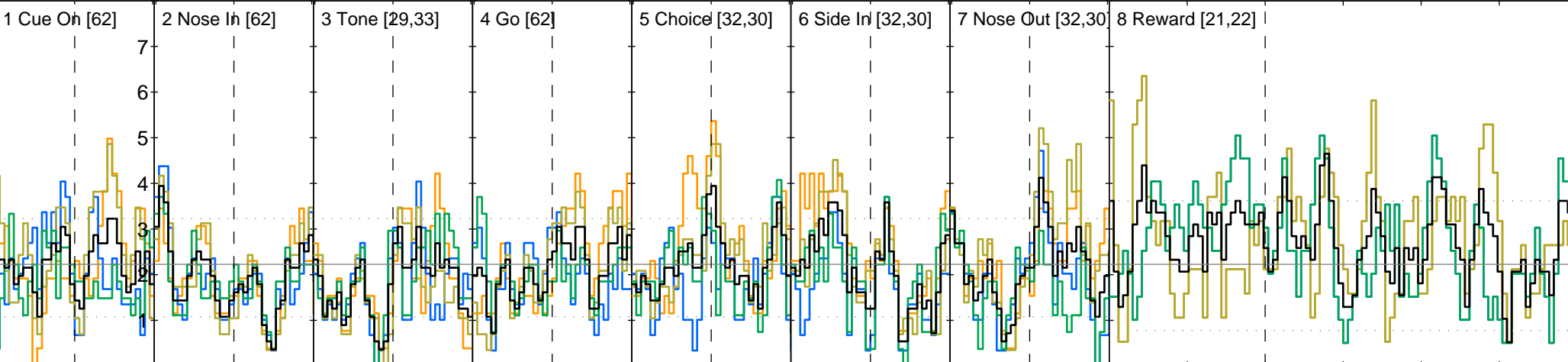
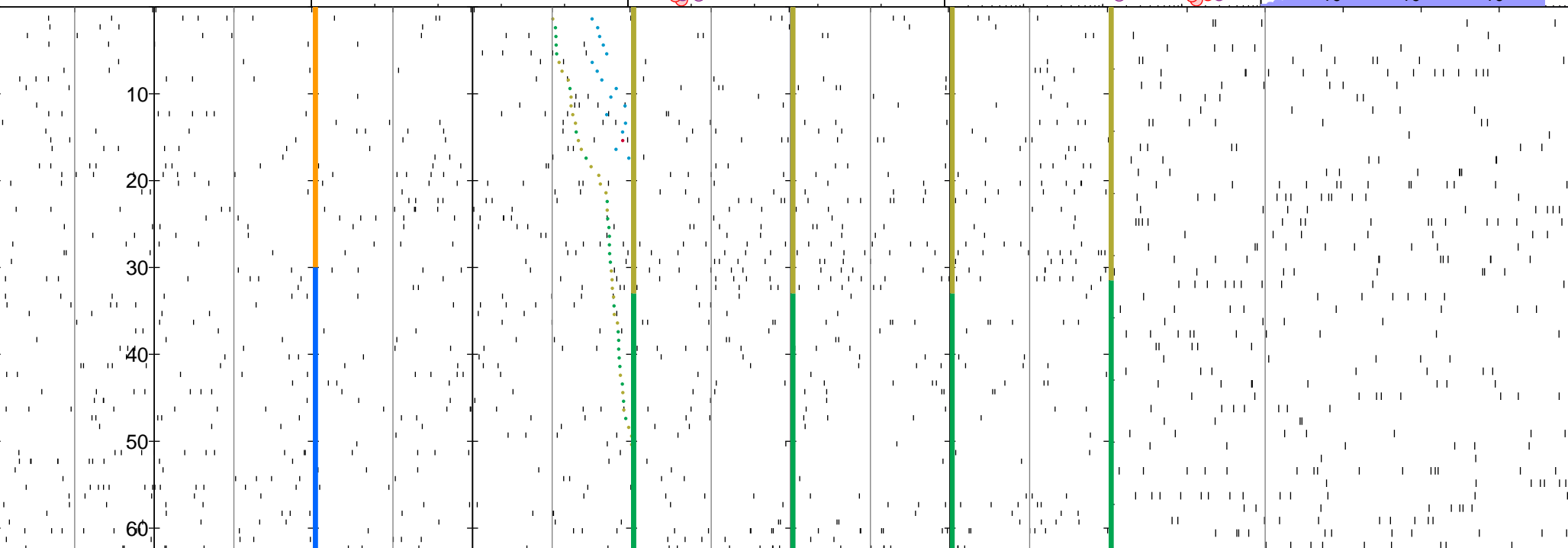
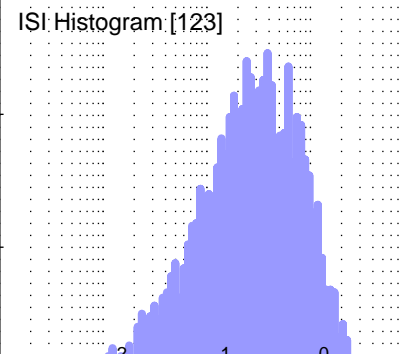
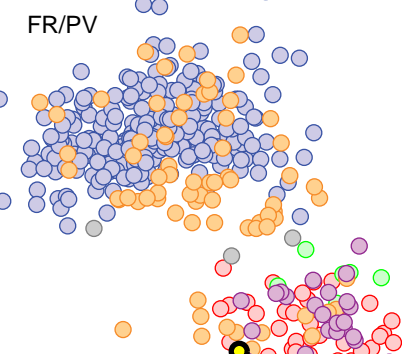
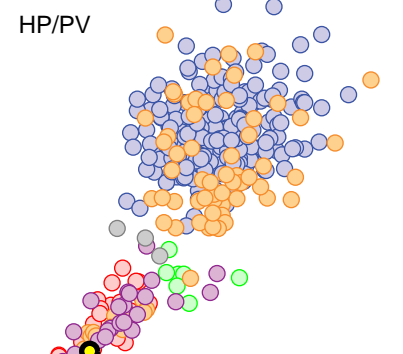
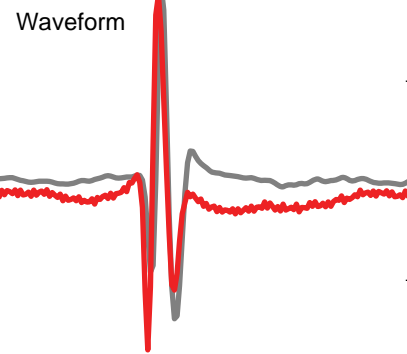


1 Cue On [114] 2 Nose In [114] 3 Tone [57,57] 4 Go [114] 5 Choice [67,47] 6 Side In [67,47] 7 Nose Out [67,47] 8 Reward [49,39]



Cell: C0520070405T11c

AP: -0.48 ML: 4.6 DV: 4.4
w: 4 n: 3563 $P_{ISI>2}$: 0.098
1/2pw: 115 μ s p->v: 190 μ s
 β_T : -1.9 β_D : -1.2
 β_P : 1.8 SI: NaN
Session FR: 2.23 Hz
Pk Ev: 7 - Nose out (Tone2)
Pk FR: 6.4Hz (1.11s) **FSI**



Cell: C0320070613T09g

AP: 1.6 ML: 3.7 DV: 4.7

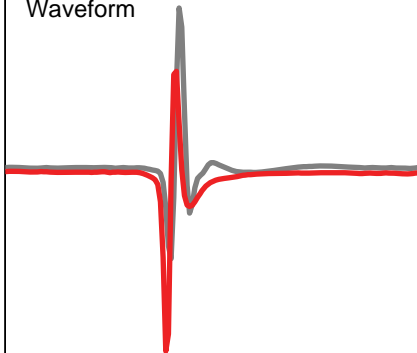
w: 4 n: 11888 $P_{ISI>2}$: 0.181/2pw: 78 μ s p \rightarrow v: 174 μ s β_T : -1.8 β_D : -3.3 β_P : -3 SI: -0.82

Session FR: 4.25 Hz

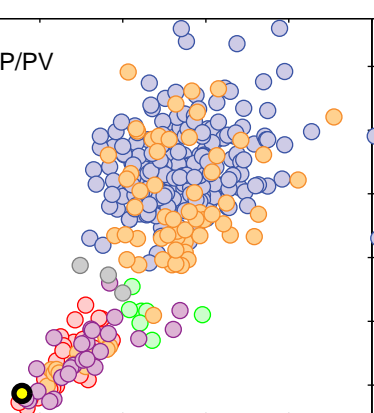
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 25.2Hz (-0.76s) **FSI**

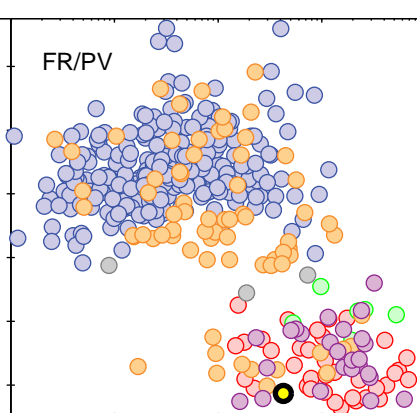
Waveform



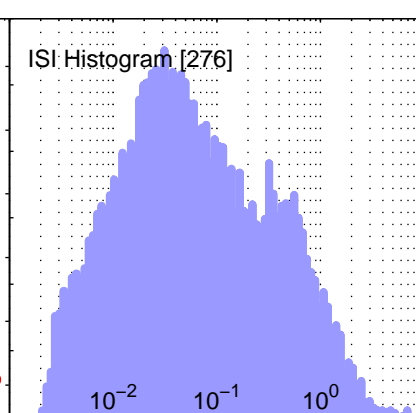
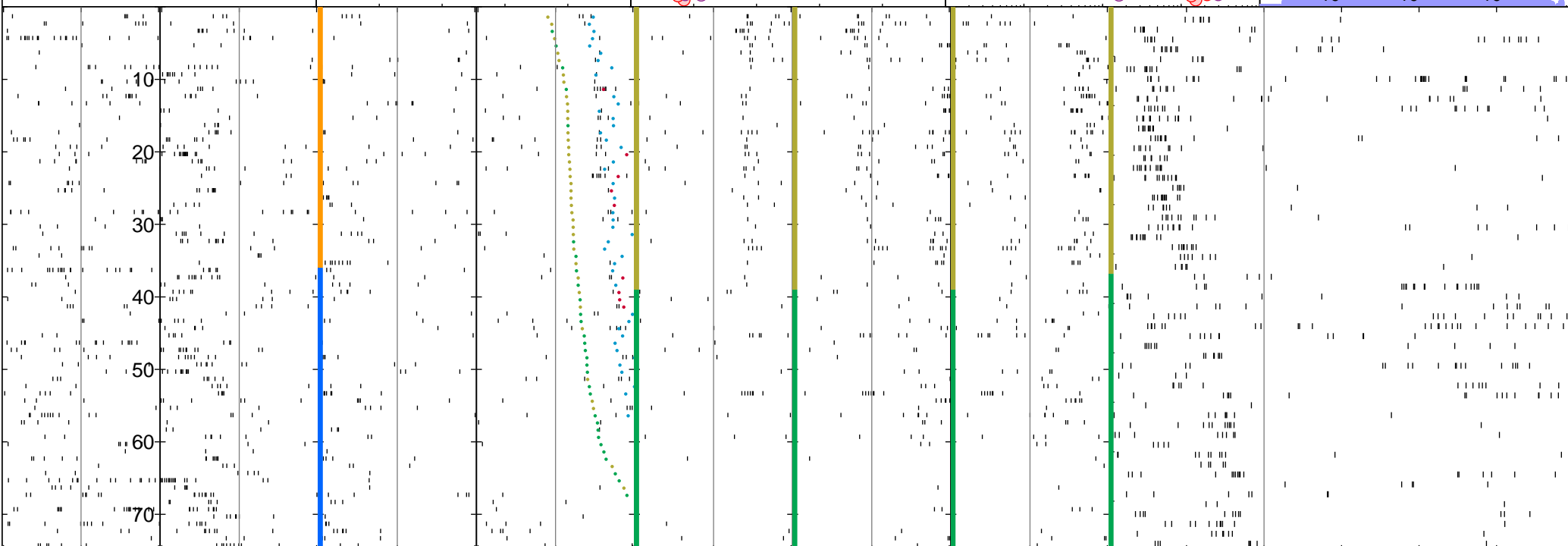
HP/PV



FR/PV



ISI Histogram [276]

10
20
30
40
50
60
70

1 Cue On [74]

2 Nose In [74]

3 Tone [35,39]

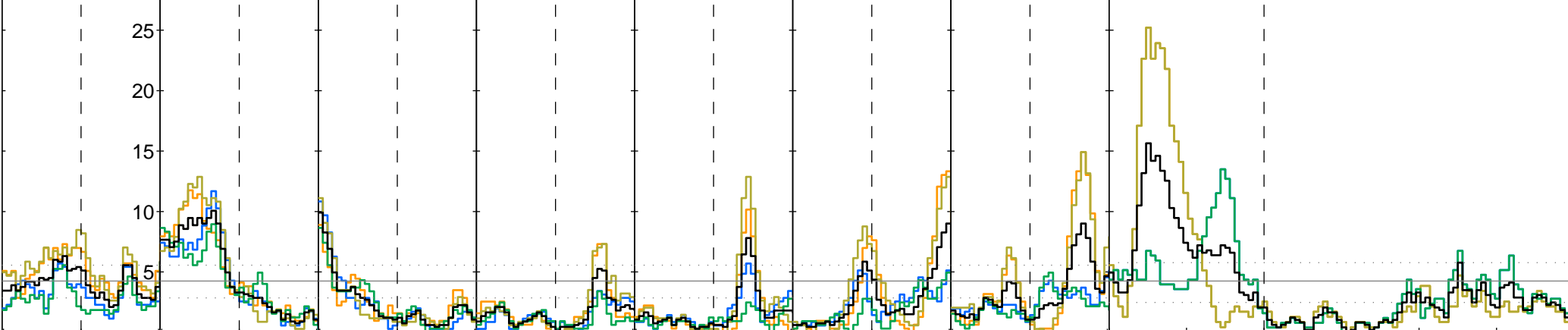
4 Go [74]

5 Choice [38,36]

6 Side In [38,36]

7 Nose Out [38,36]

8 Reward [26,28]

25
20
15
10
5

Cell: C0320070624T11f

AP: -0.96 ML: 3.7 DV: 6.1

w: 3 n: 20234 $P_{ISI>2}$: 0.065

1/2pw: 142 μ s p \rightarrow v: 262 μ s

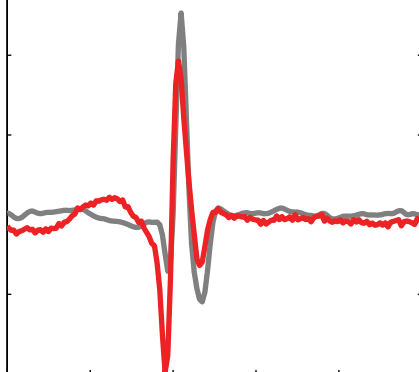
β_T : -3.8 β_D : 3.4

β_P : 3.1 SI: 0.33

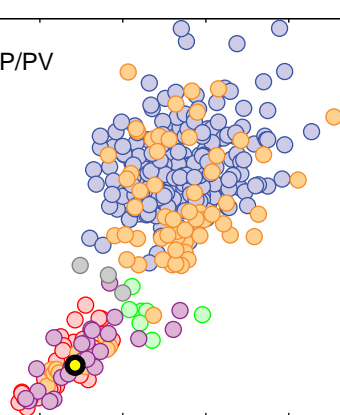
Session FR: 5.41 Hz

Pk Ev: 8 - Reward (T1/Con)

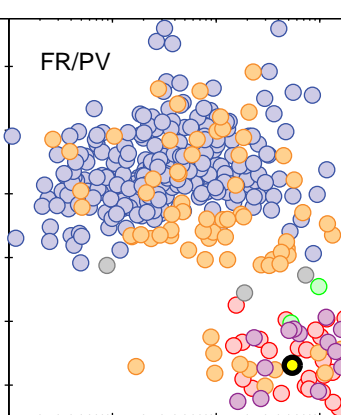
Pk FR: 13.8Hz (-0.58s) **FSI**



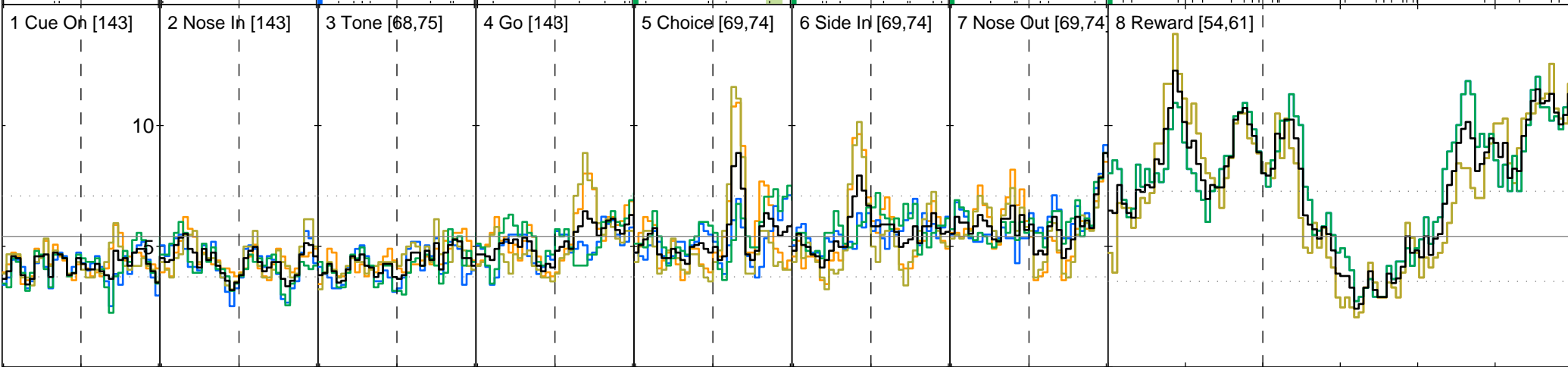
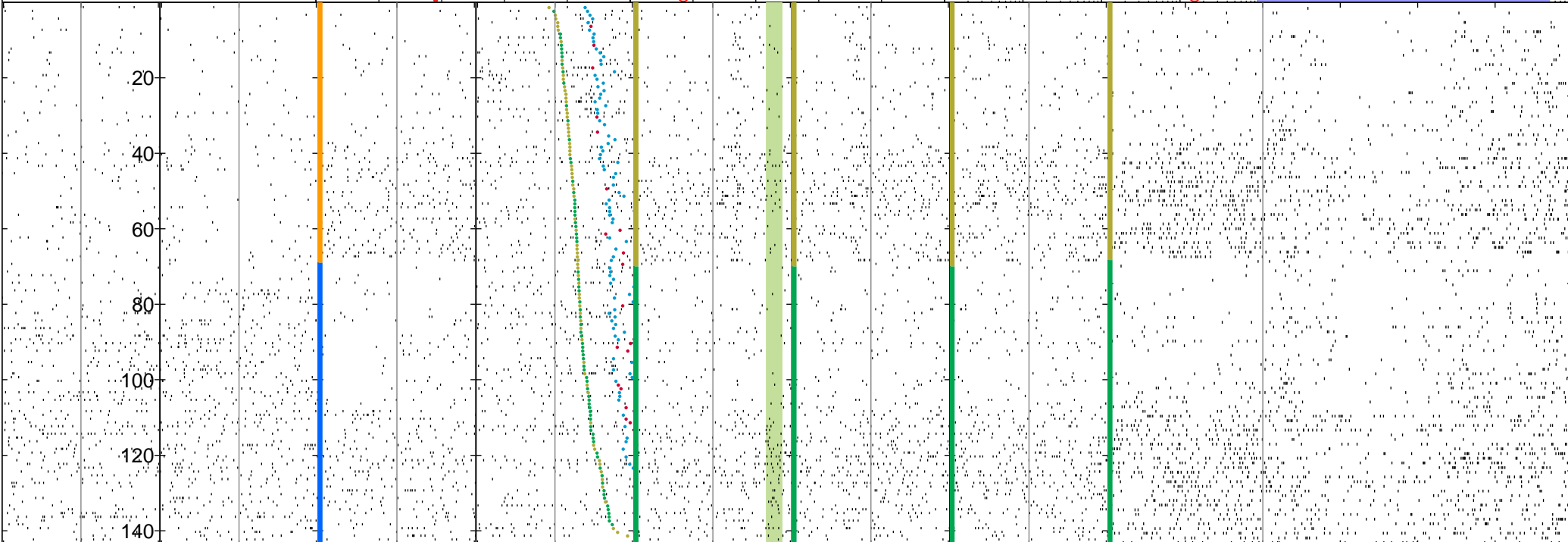
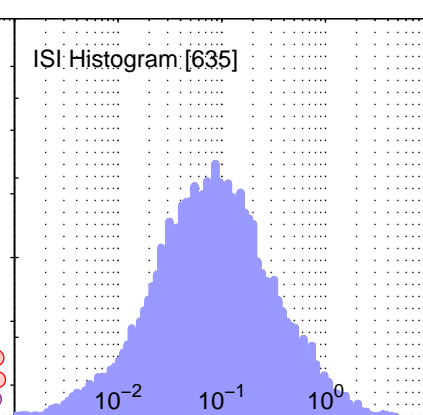
HP/PV



FR/PV



ISI Histogram [635]



Cell: C0320070613T11a

AP: -0.96 ML: 3.7 DV: 5

w: 3 n: 9187 $P_{ISI>2}$: 0.35

1/2pw: 155 μ s p \rightarrow v: 451 μ s

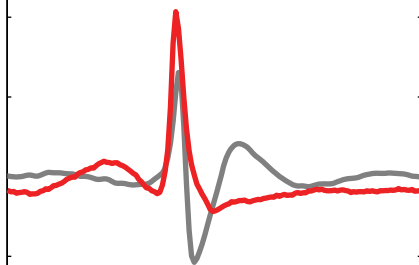
β_T : 2.4 β_D : -6.4

β_P : 3.1 SI: -0.68

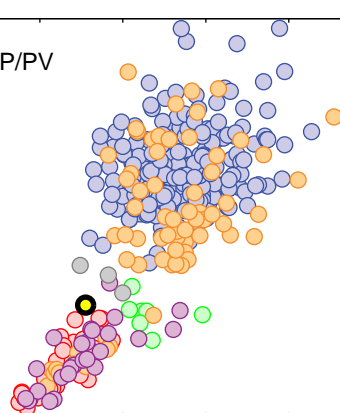
Session FR: 1.57 Hz

Pk Ev: 8 - Reward (T1/Con)

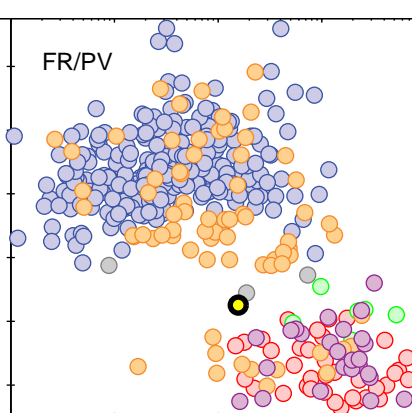
Pk FR: 6.1Hz (-0.01s) **FSI**



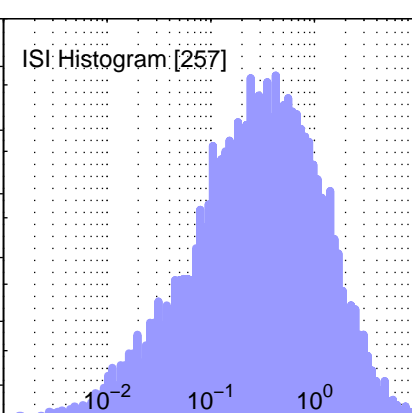
HP/PV



FR/PV



ISI Histogram [257]



50

100

150

1 Cue On [153]

2 Nose In [153]

3 Tone [78,75]

4 Go [158]

5 Choice [73,80]

6 Side In [73,80]

7 Nose Out [73,80]

8 Reward [51,58]

7

6

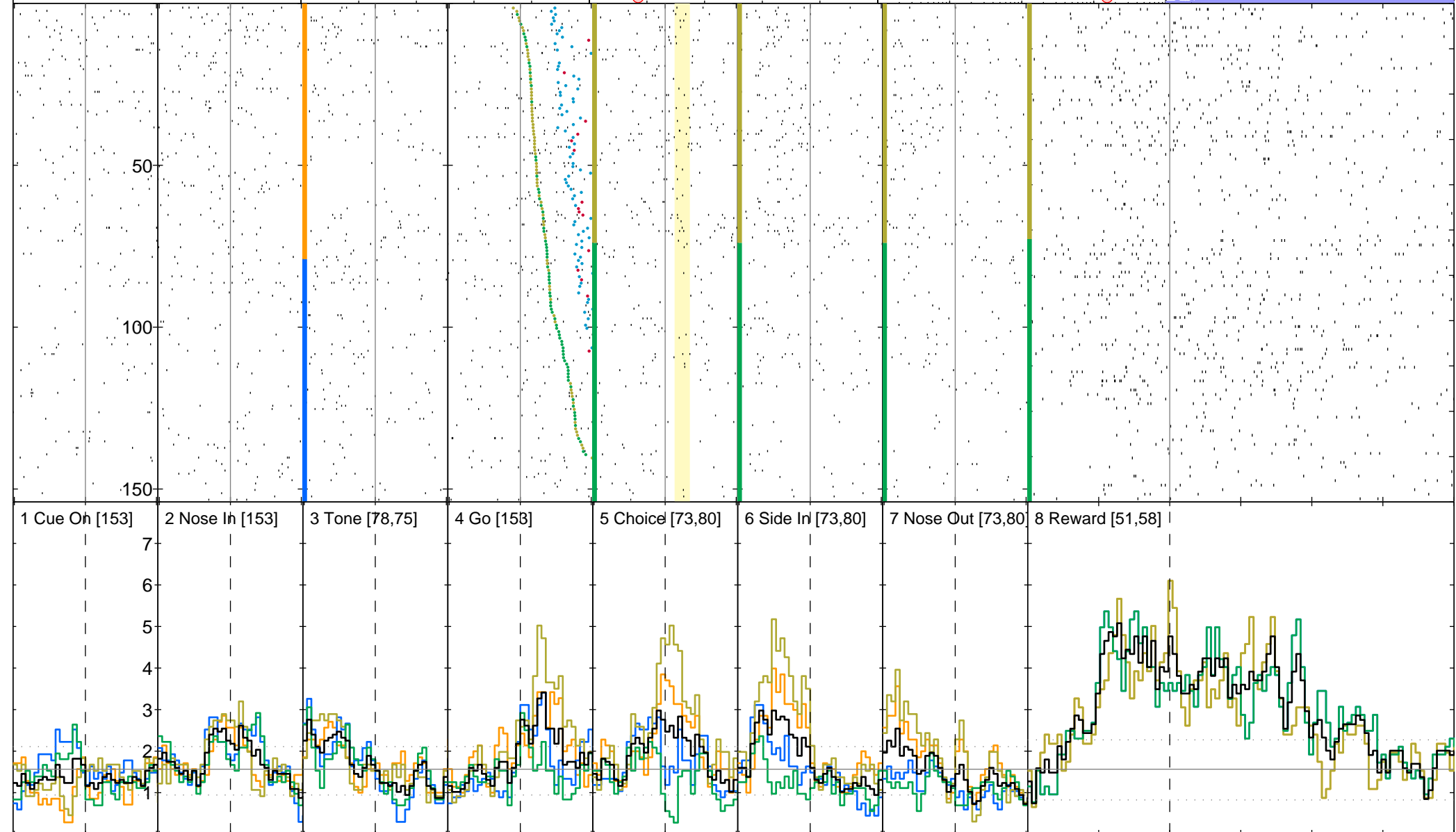
5

4

3

2

1



Cell: C0320070623T11e

AP: -0.96 ML: 3.7 DV: 5.9

w: 4 n: 87621 $P_{ISI>2}$: 0

1/2pw: 110 μ s p->v: 216 μ s

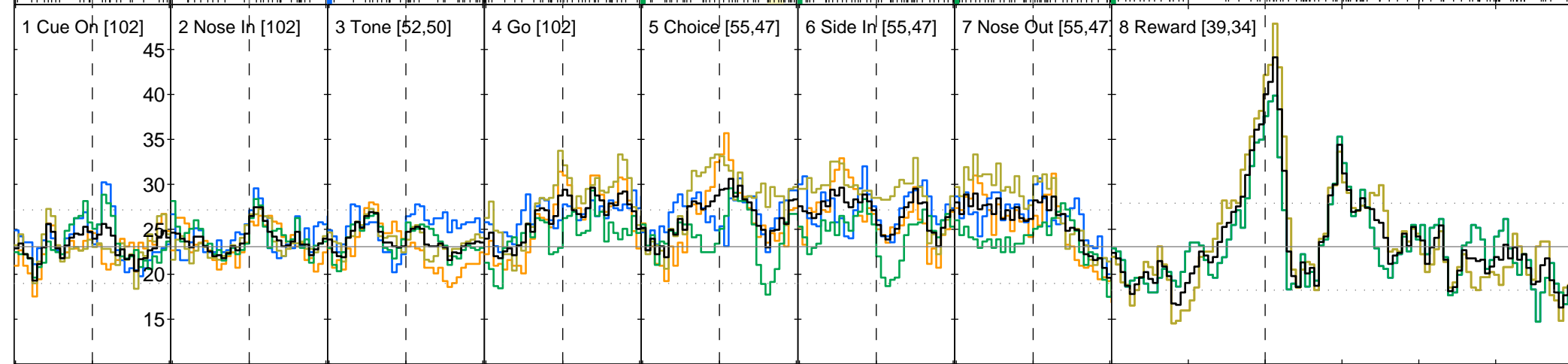
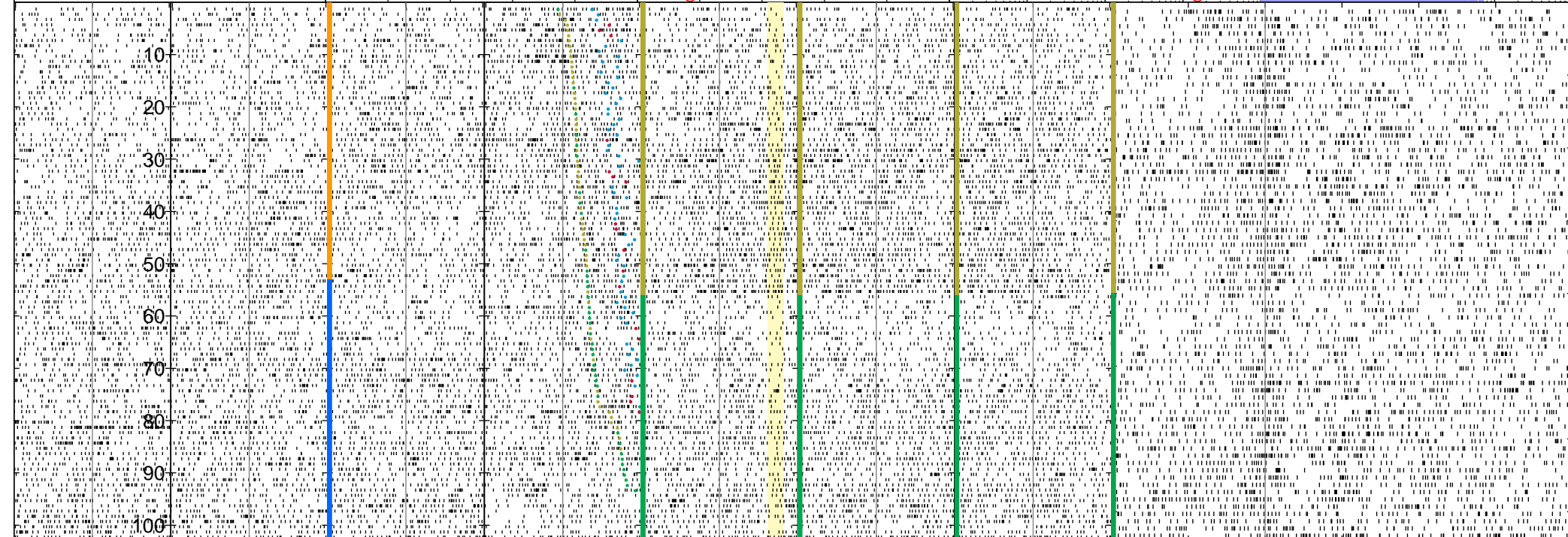
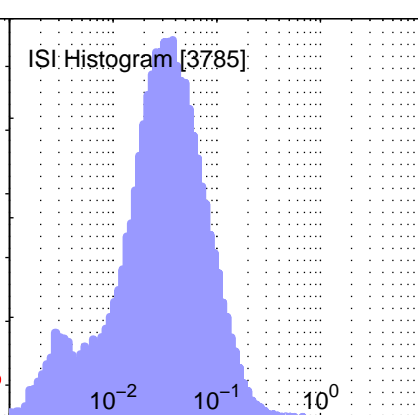
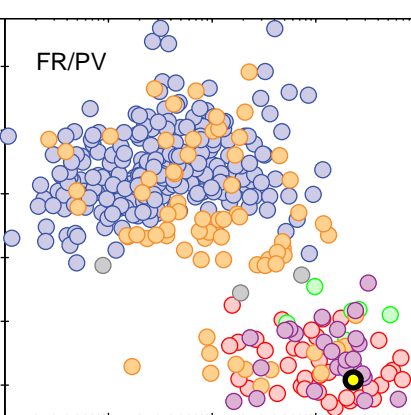
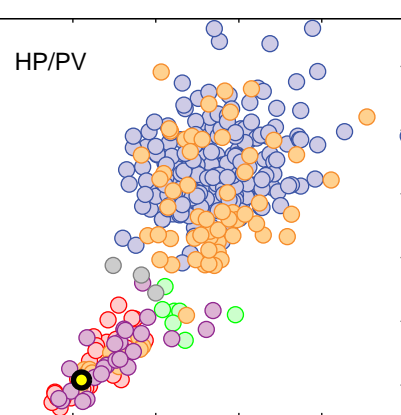
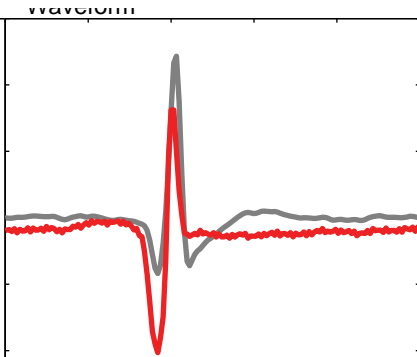
β_T : -3.8 β_D : -3.8

β_P : 4.1 SI: -0.2

Session FR: 23.1 Hz

Pk Ev: 8 - Reward (T1/Con)

Pk FR: 47.9Hz (0.05s) **FSI**



Cell: C0320070619T07h

AP: 0.96 ML: 3.6 DV: 5.8

w: 2 n: 13735 $P_{ISI>2}$: 0.068

1/2pw: 128 μ s p \rightarrow v: 309 μ s

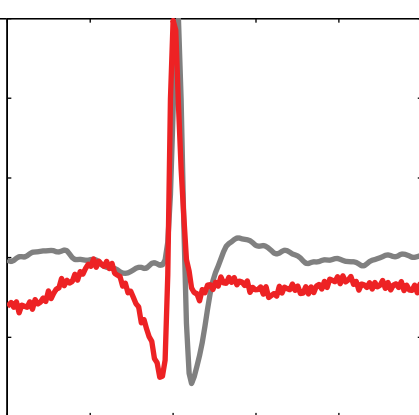
β_T : 2.1 β_D : -2.2

β_P : 3.7 SI: -0.2

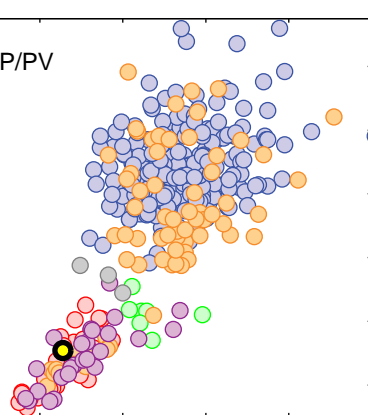
Session FR: 3.24 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

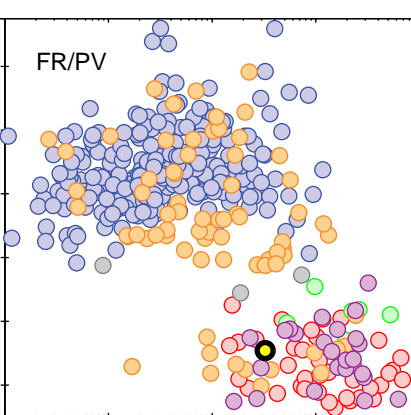
Pk FR: 13.5Hz (0.08s) **FSI**



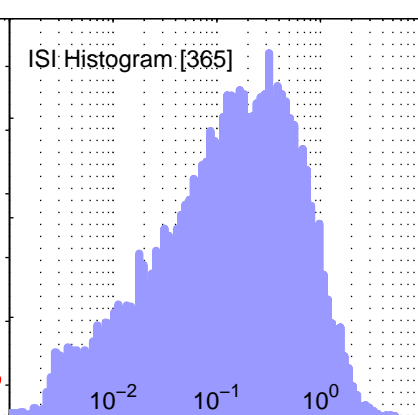
HP/PV



FR/PV



ISI Histogram [365]



10
20
30
40
50
60
70
80
90

1 Cue On [94]

2 Nose In [94]

3 Tone [50,44]

4 Go [94]

5 Choice [47,47]

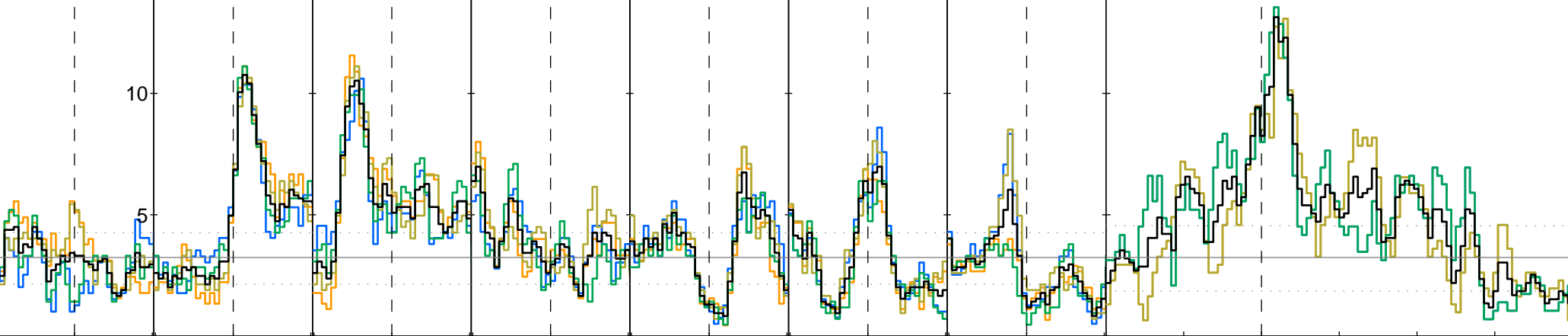
6 Side In [47,47]

7 Nose Out [47,47]

8 Reward [34,32]

10

5



Cell: C0520070406T12a

AP: -0.48 ML: 3.9 DV: 5.1

w: 2 n: 147270 $P_{ISI>2}$: 0

1/2pw: 104 μ s p \rightarrow v: 190 μ s

β_T : 2.6 β_D : 3.3

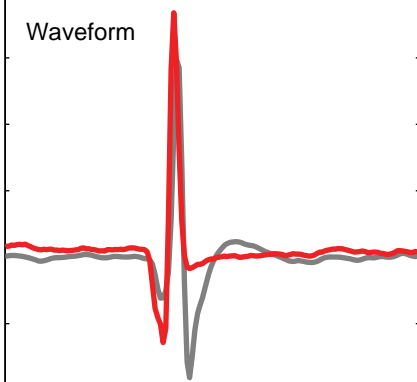
β_P : -4.4 SI: -0.13

Session FR: 33.7 Hz

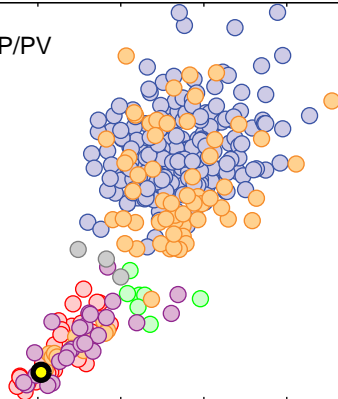
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 57.8Hz (0.08s) **FSI**

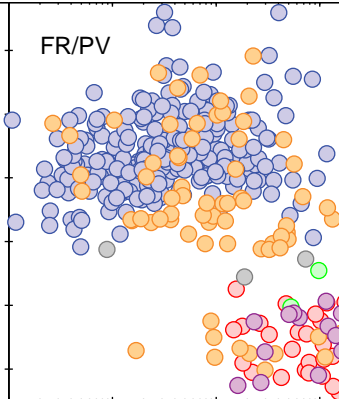
Waveform



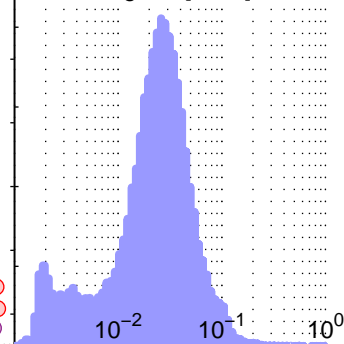
HP/PV



FR/PV



ISI Histogram [8223]



50

100

150

1 Cue On [151]

2 Nose In [151]

3 Tone [67,84]

4 Go [151]

5 Choice [75,76]

6 Side In [75,76]

7 Nose Out [75,76]

8 Reward [54,62]

55

50

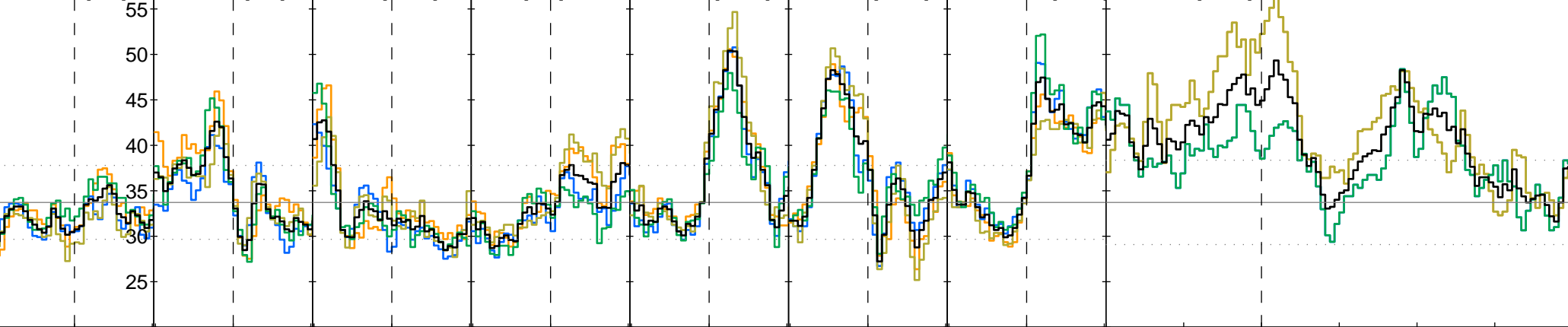
45

40

35

30

25



Cell: C0320070703T07a

AP: 0.96 ML: 3.6 DV: 8

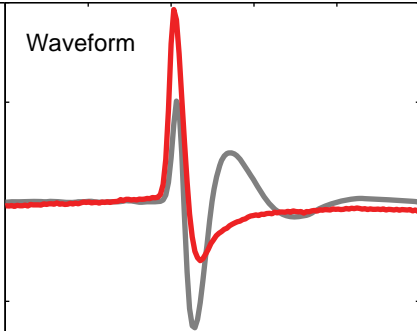
w: 4 n: 27059 $P_{ISI>2}$: 0.0181/2pw: 165 μ s p \rightarrow v: 317 μ s β_T : -2.6 β_D : -4.8 β_P : -3.5 SI: -0.8

Session FR: 6.21 Hz

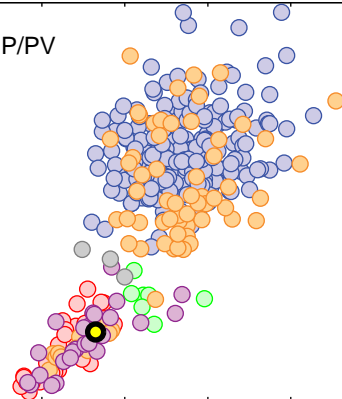
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 28.7Hz (0.11s) **FSI**

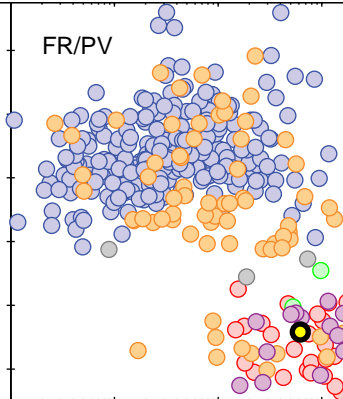
Waveform



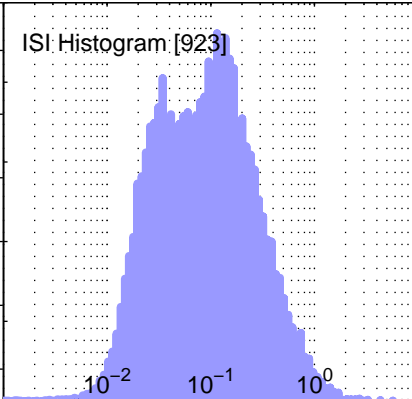
HP/PV



FR/PV



ISI Histogram [923]



20

40

60

80

100

1 Cue On [116]

2 Nose In [116]

3 Tone [50,66]

4 Go [116]

5 Choice [57,59]

6 Side In [57,59]

7 Nose Out [57,59]

8 Reward [43,52]

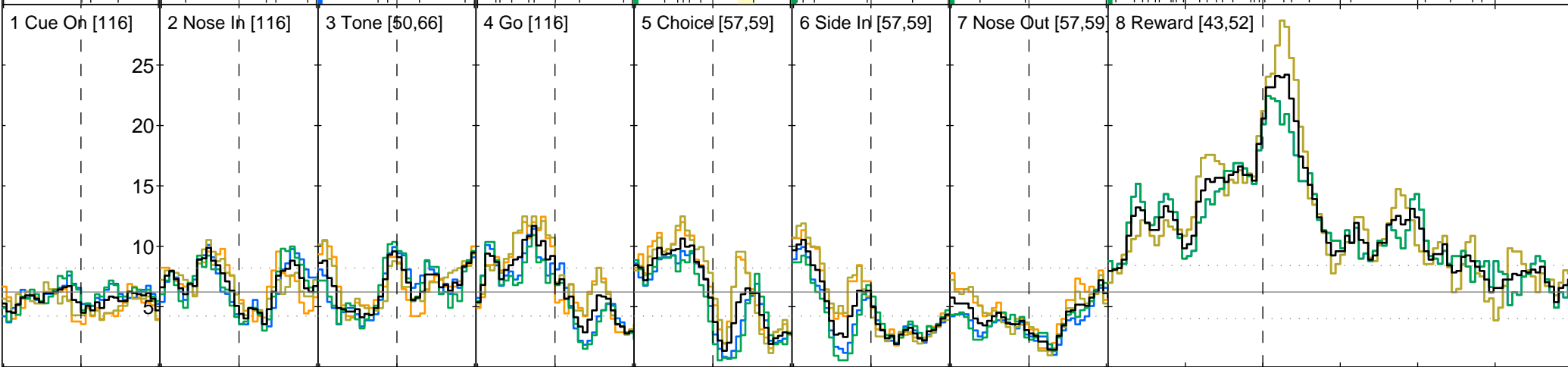
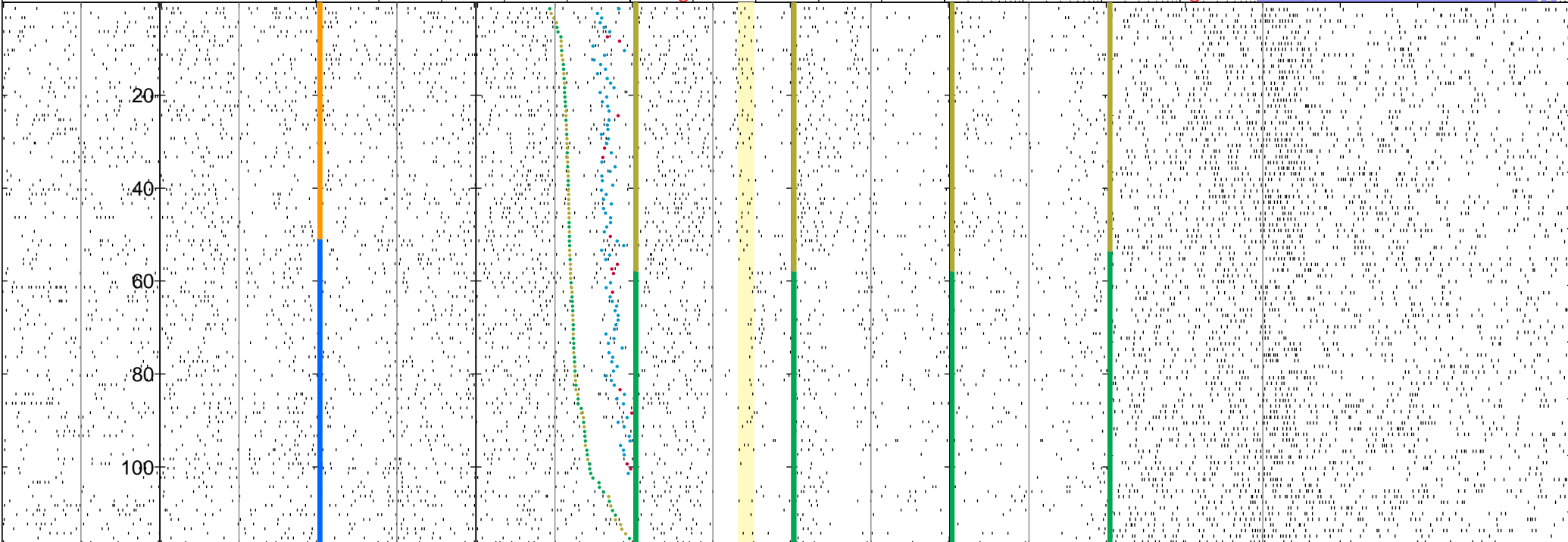
25

20

15

10

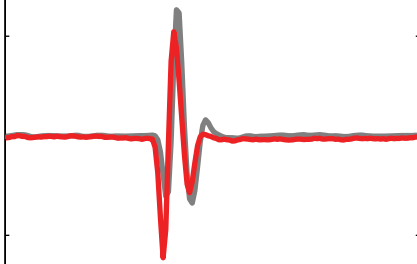
5



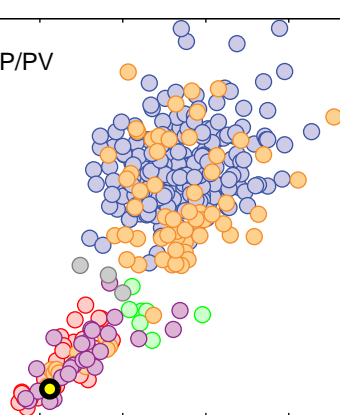
Cell: C0320070624T09a

AP: 1.6 ML: 3.7 DV: 5.4
w: 1 n: 29299 $P_{ISI>2}$: 0.042
1/2pw: 112 μ s p \rightarrow v: 187 μ s
 β_T : 2.6 β_D : 3.6
 β_P : -3.4 SI: 0.56
Session FR: 7.83 Hz
Pk Ev: 8 - Reward (T2/Ipsi)
Pk FR: 33.7Hz (0.2s) **FSI**

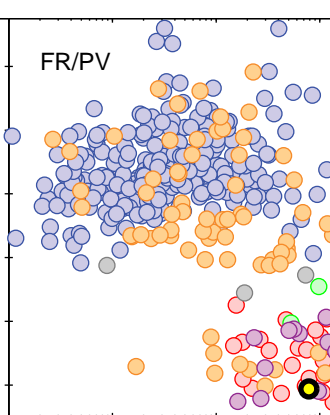
Waveform



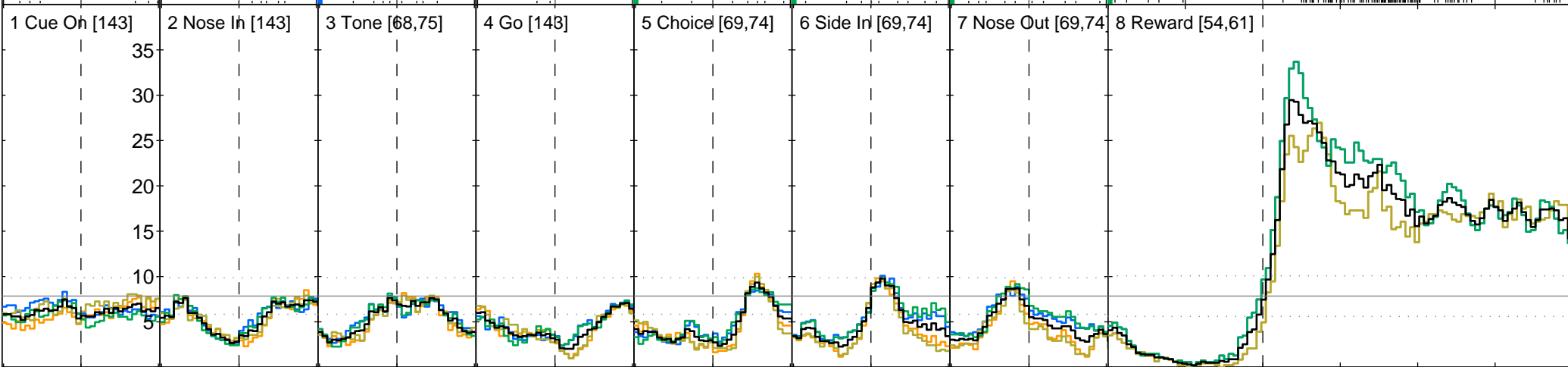
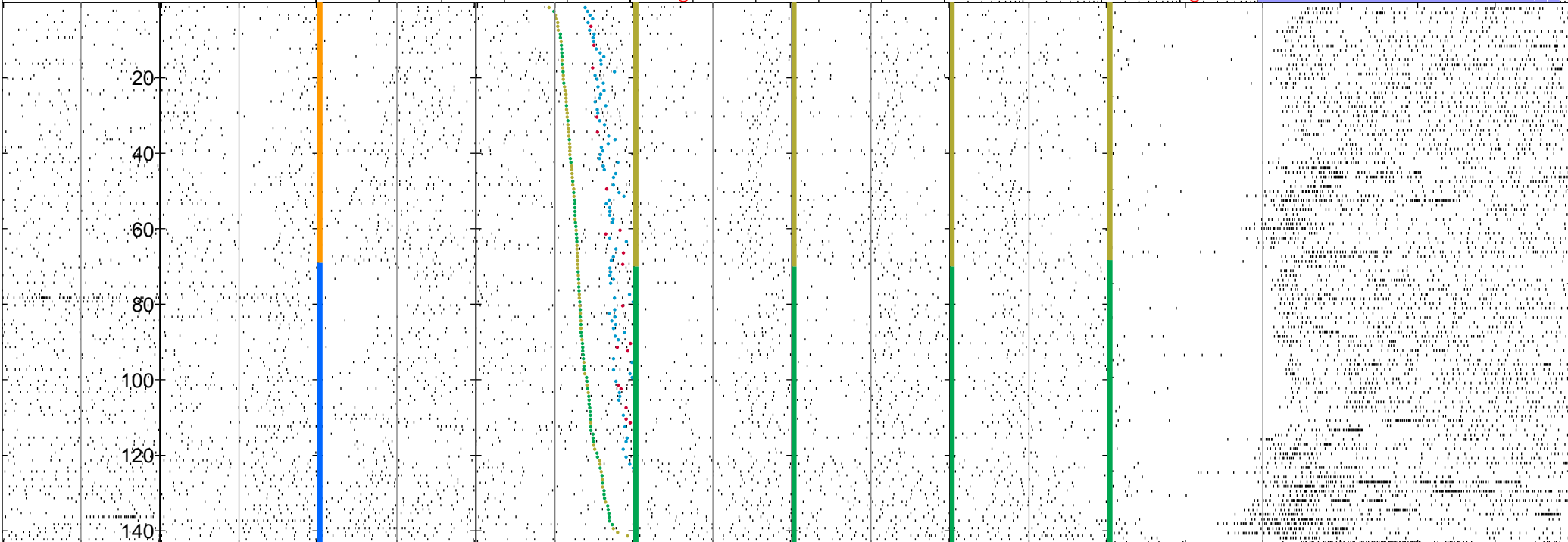
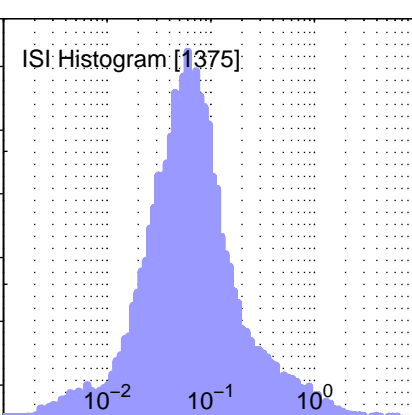
HP/PV



FR/PV



ISI Histogram [1375]



Cell: C0520070417T05b

AP: 2.2 ML: 1.2 DV: 8.2

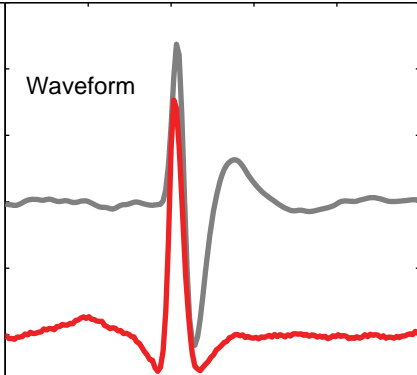
w: 3 n: 24395 $P_{ISI>2}$: 01/2pw: 160 μ s p \rightarrow v: 310 μ s β_T : 2.5 β_D : -2.6 β_P : 3.4 SI: 0.27

Session FR: 7.48 Hz

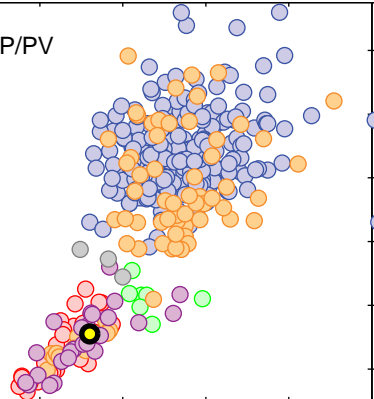
Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 16.4Hz (0.29s) **FSI**

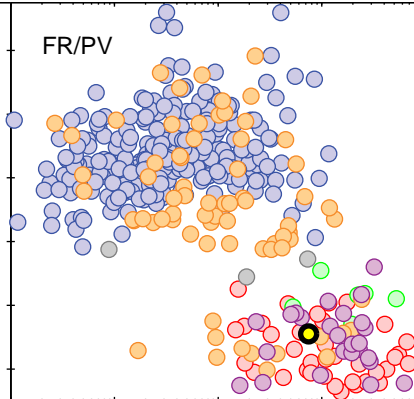
Waveform



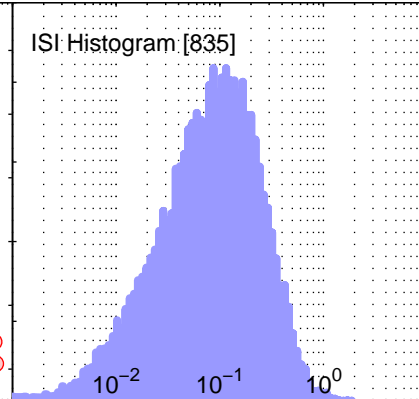
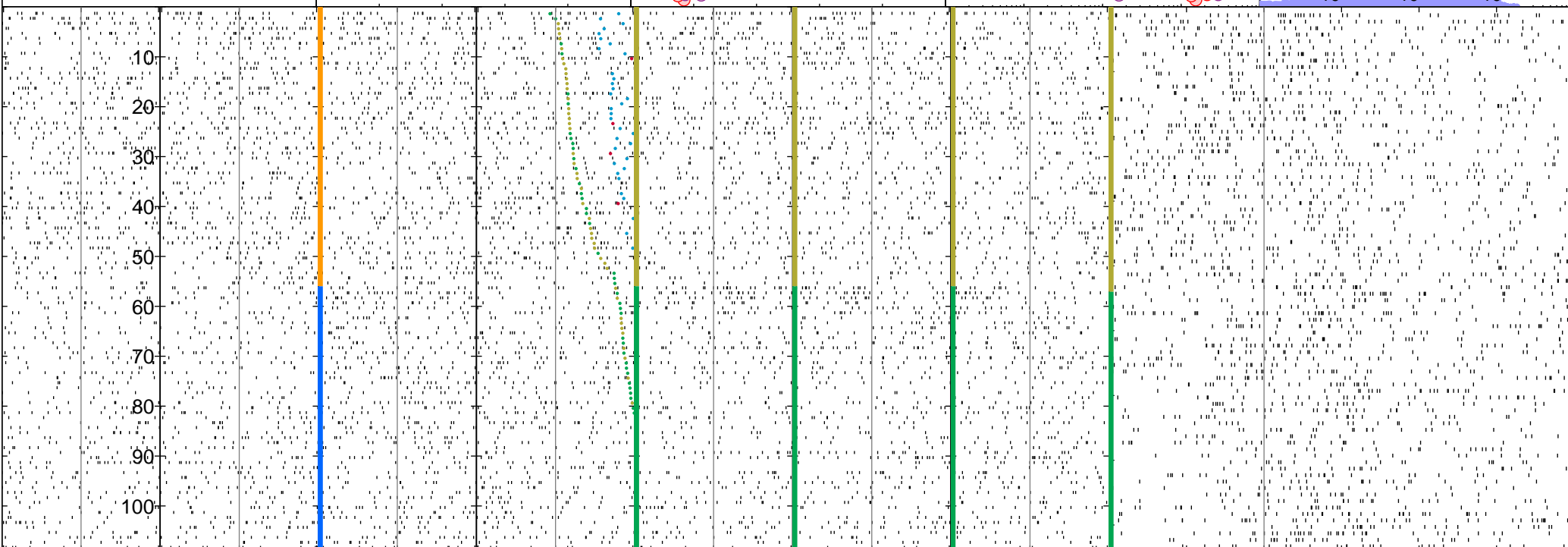
HP/PV



FR/PV



ISI Histogram [835]

10
20
30
40
50
60
70
80
90
100

1 Cue On [108]

2 Nose In [108]

3 Tone [55,53]

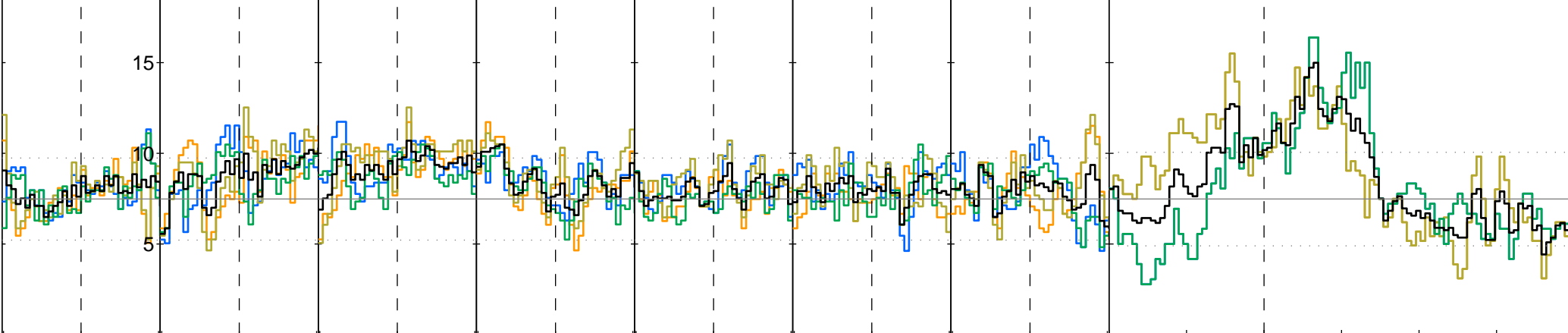
4 Go [108]

5 Choice [55,53]

6 Side In [55,53]

7 Nose Out [55,53]

8 Reward [43,40]

15
10
5

Cell: C0320070619T07f

AP: 0.96 ML: 3.6 DV: 5.8

w: 3 n: 7693 $P_{ISI>2}$: 0.47

1/2pw: 106 μ s p->v: 219 μ s

β_T : -2.3 β_D : 2.9

β_P : 2 SI: 0.44

Session FR: 1.81 Hz

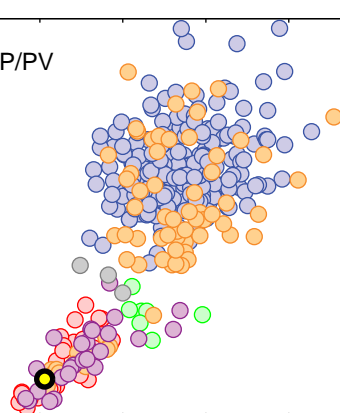
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 17.6Hz (0.35s) **FSI**

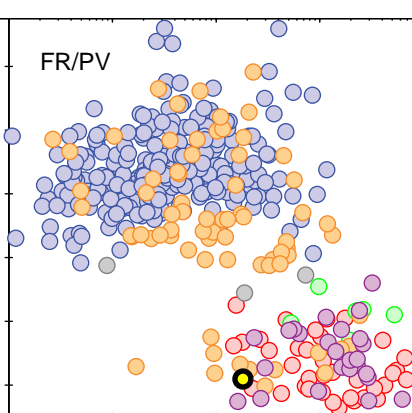
Waveform



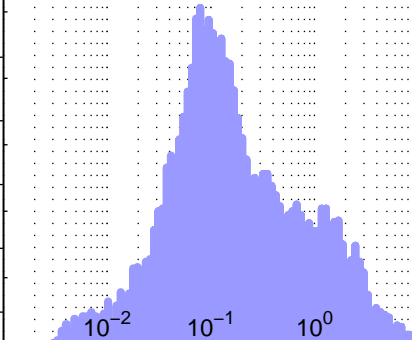
HP/PV



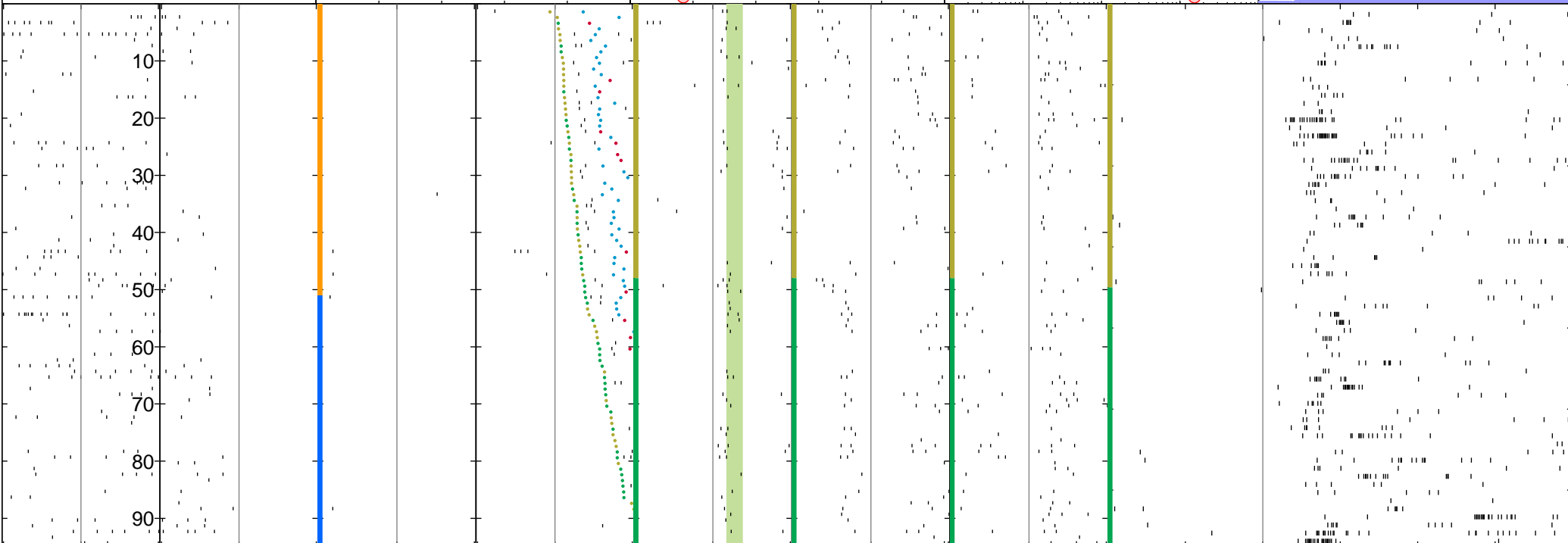
FR/PV



ISI Histogram [253]



10
20
30
40
50
60
70
80
90



1 Cue On [94]

2 Nose In [94]

3 Tone [50,44]

4 Go [94]

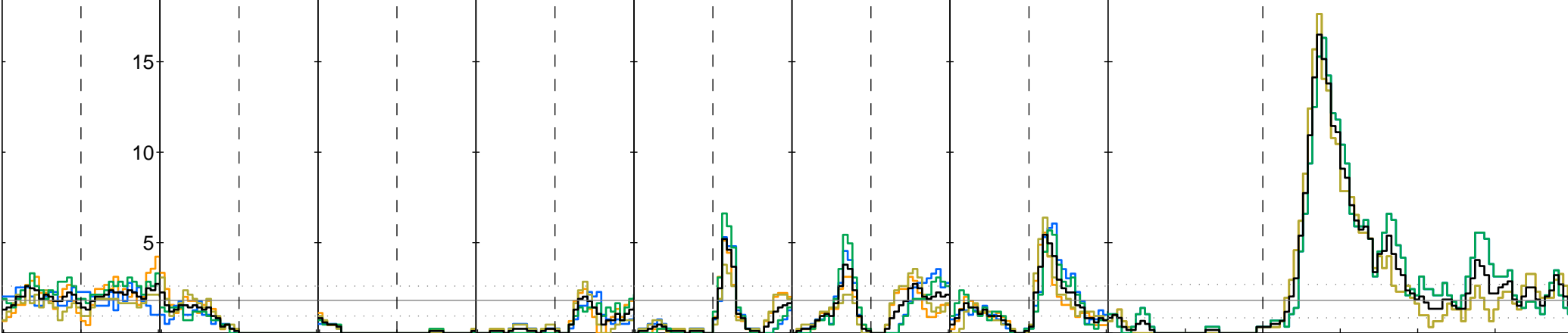
5 Choice [47,47]

6 Side In [47,47]

7 Nose Out [47,47]

8 Reward [34,32]

15
10
5



Cell: C0320070626T09a

AP: 1.6 ML: 3.7 DV: 5.6

w: 1 n: 65947 $P_{ISI>2}$: 0

1/2pw: 171 μ s p->v: 410 μ s

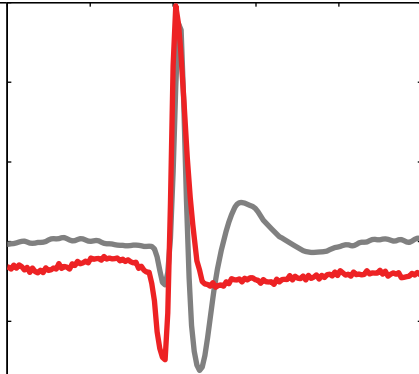
β_T : 2.3 β_D : 3.6

β_P : -3.9 SI: 0.22

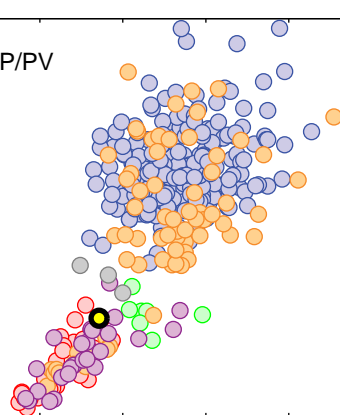
Session FR: 17.6 Hz

Pk Ev: 8 - Reward (T1/Con)

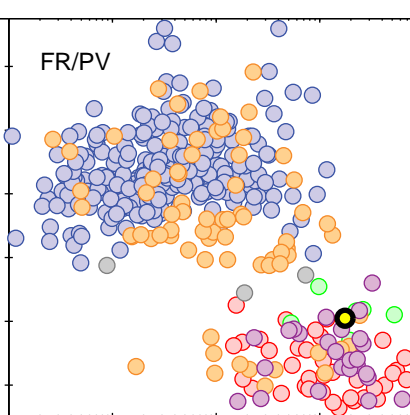
Pk FR: 29.5Hz (0.41s) **FSI**



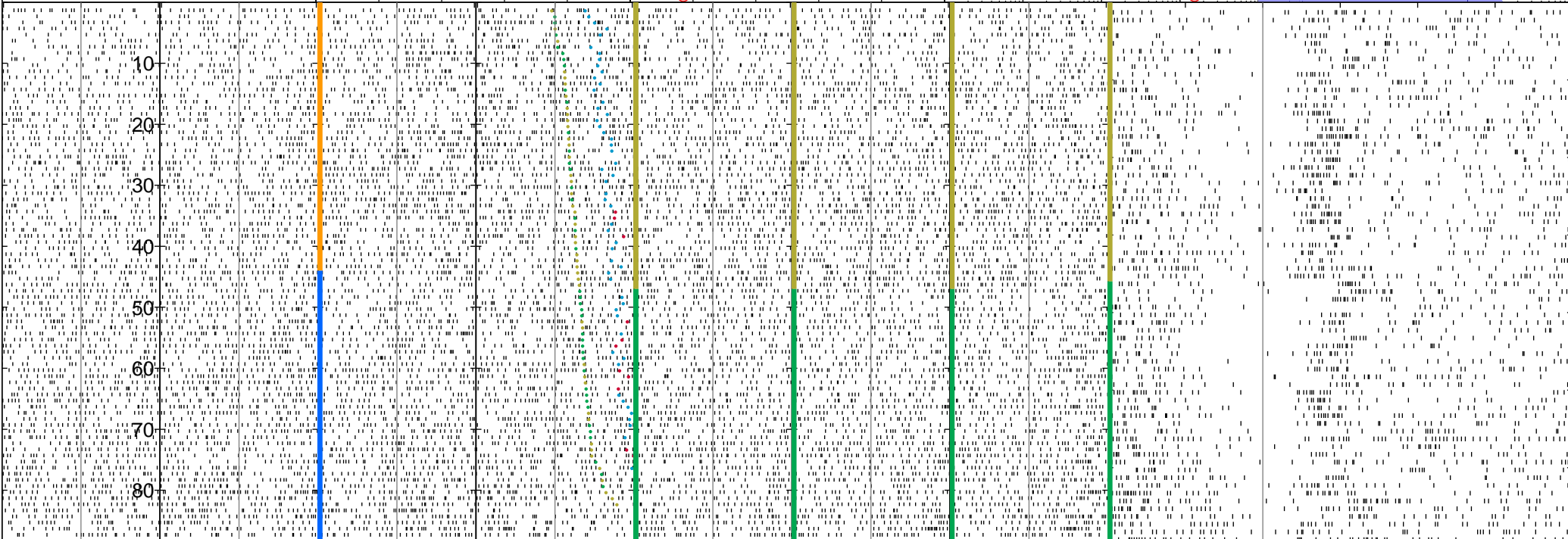
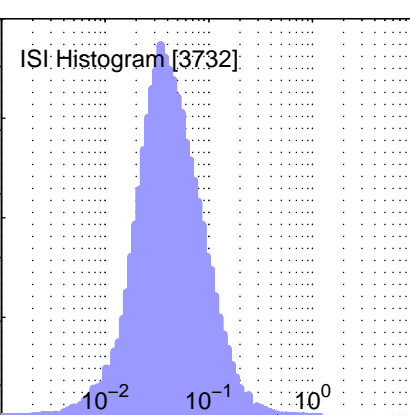
HP/PV



FR/PV



ISI Histogram [3732]



1 Cue On [88]

2 Nose In [88]

3 Tone [43,45]

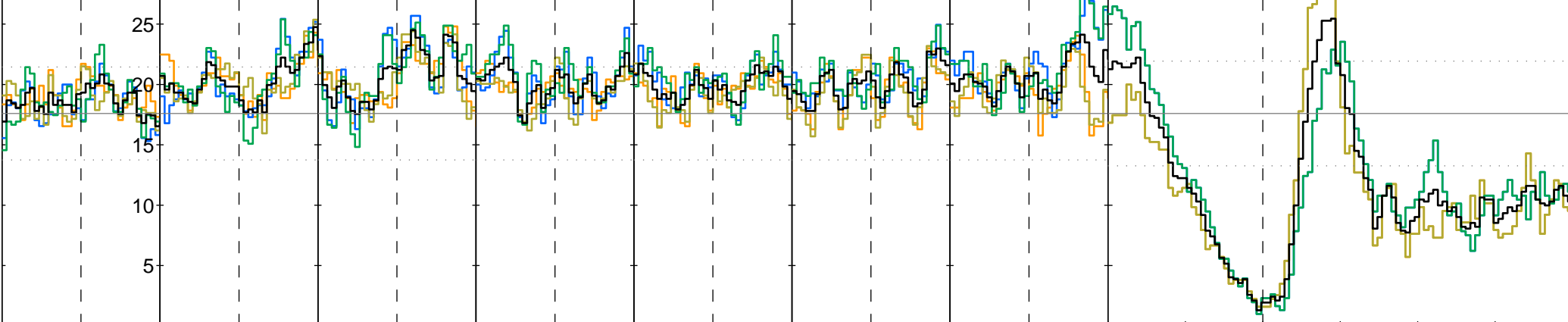
4 Go [88]

5 Choice [46,42]

6 Side In [46,42]

7 Nose Out [46,42]

8 Reward [35,34]



Cell: C1220071025T11b

AP: -2.8 ML: 4.2 DV: 6.8

w: 4 n: 462037 $P_{ISI>2}$: 0

1/2pw: 158 μ s p->v: 218 μ s

β_T : -2.6 β_D : -9.7

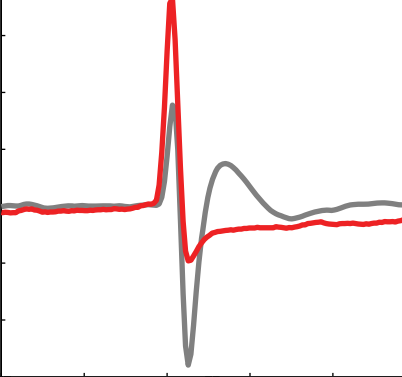
β_P : 2.9 SI: -0.11

Session FR: 68.4 Hz

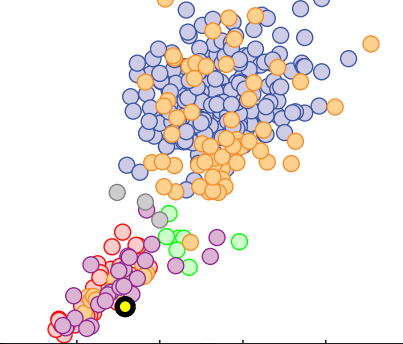
Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 154Hz (0.41s) **FSI**

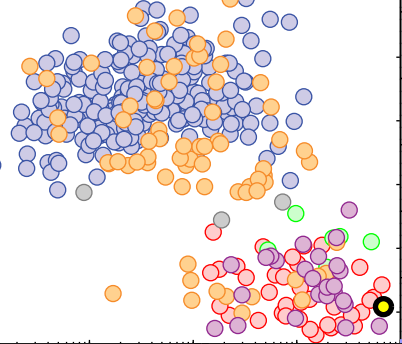
Waveform



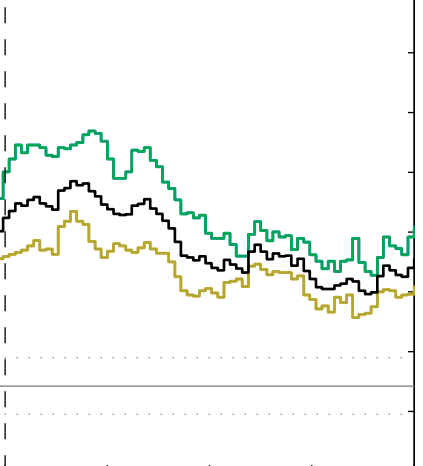
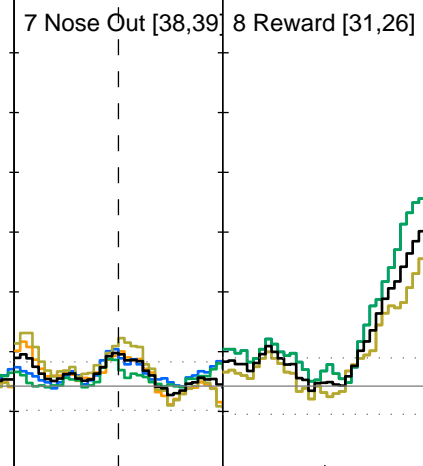
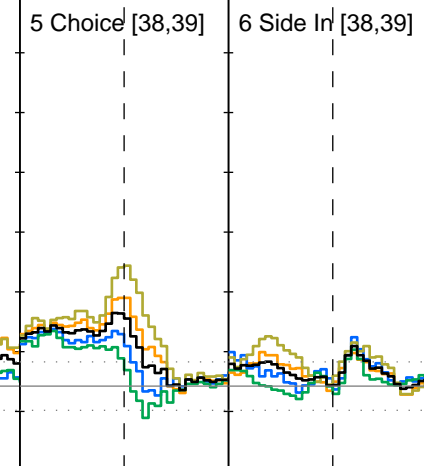
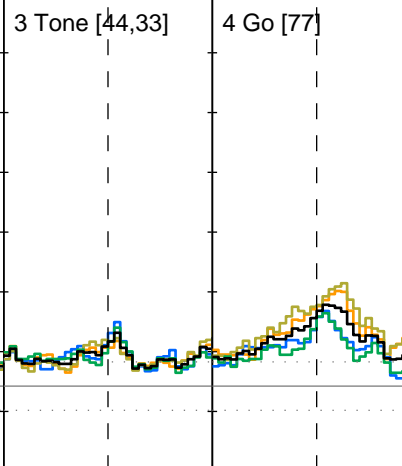
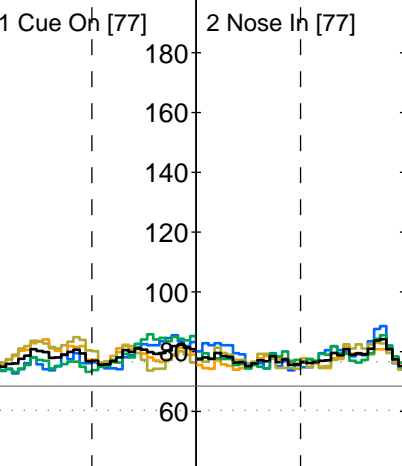
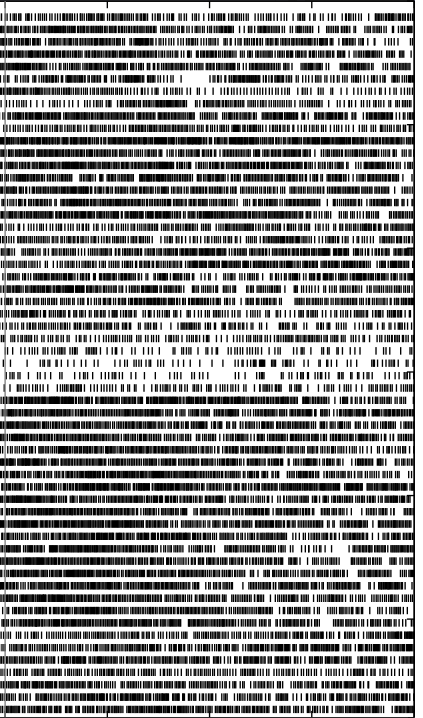
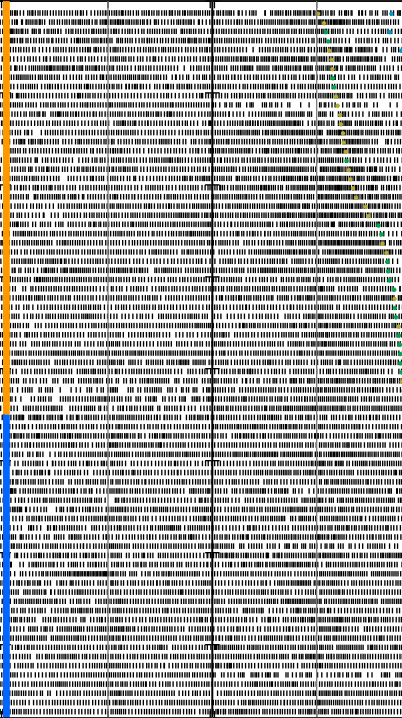
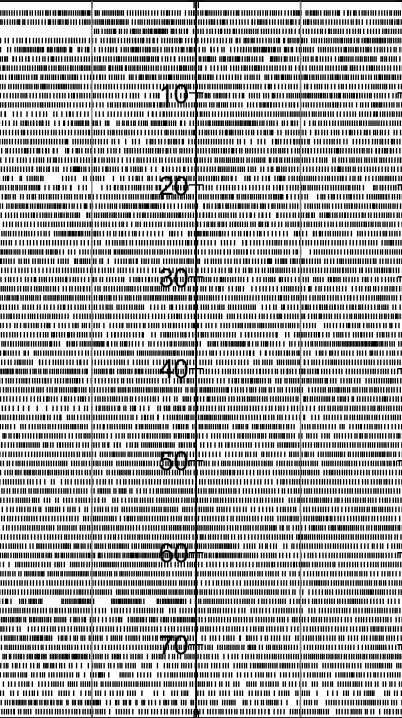
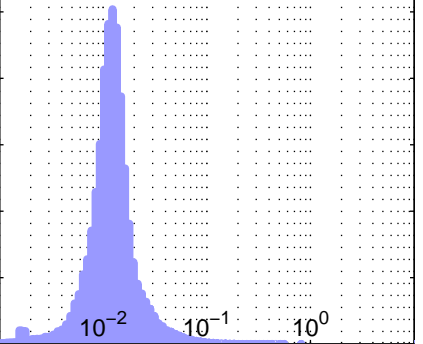
HP/PV



FR/PV



ISI Histogram [50419]



Cell: C0320070704T11b

AP: -0.96 ML: 3.7 DV: 7.9

w: 4 n: 131971 $P_{ISI>2}$: 0

1/2pw: 187 μ s p->v: 341 μ s

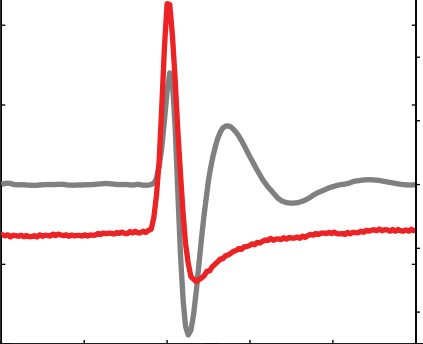
β_T : 3.6 β_D : -8.6

β_P : 2.2 SI: -0.28

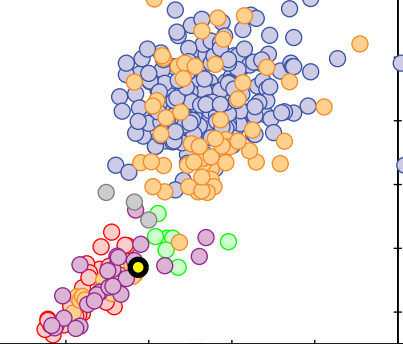
Session FR: 40.6 Hz

Pk Ev: 8 - Reward (T1/Con)

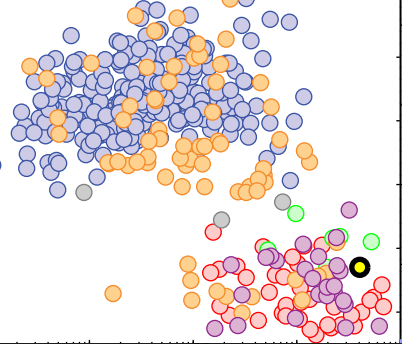
Pk FR: 88.6Hz (0.62s) FSI



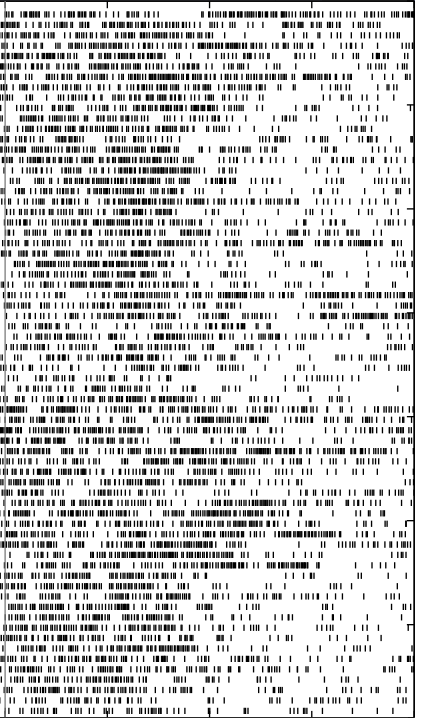
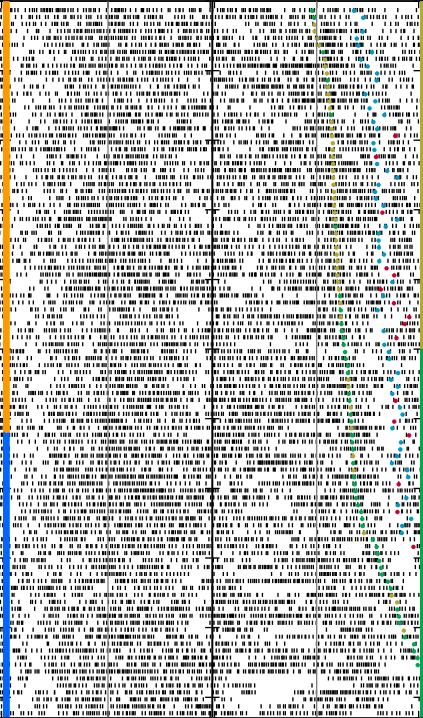
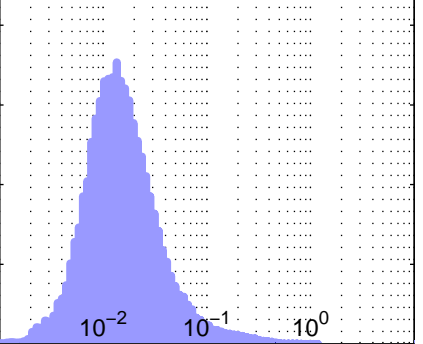
HP/PV



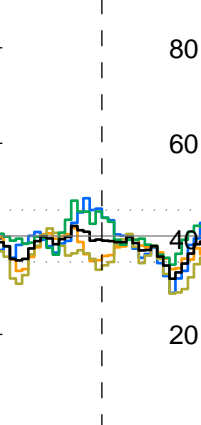
FR/PV



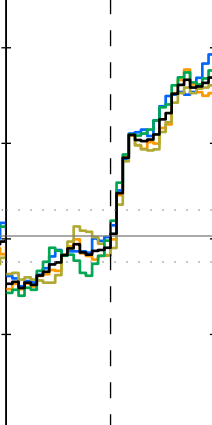
ISI Histogram [7069]



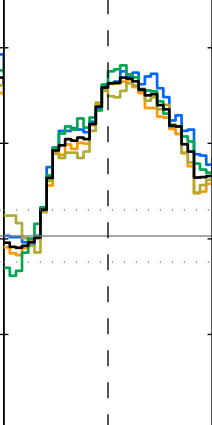
1 Cue On [102]



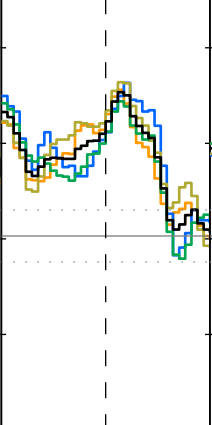
2 Nose In [102]



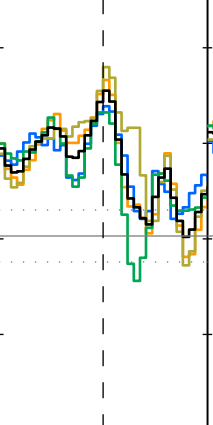
3 Tone [61,41]



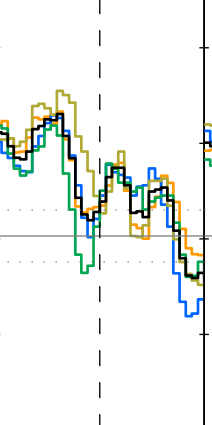
4 Go [102]



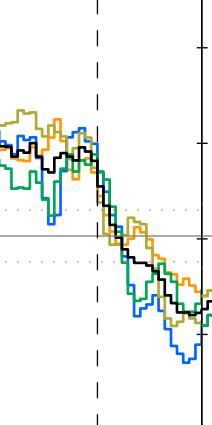
5 Choice [49,53]



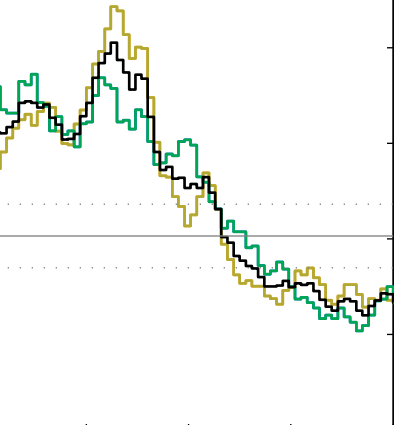
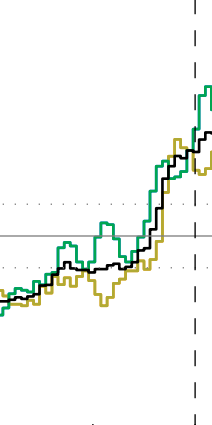
6 Side In [49,53]



7 Nose Out [49,53]



8 Reward [38,30]



Cell: C0520070406T07a

AP: 1.3 ML: 3.4 DV: 3.8

w: 2 n: 36689 $P_{ISI>2}$: 0.11

1/2pw: 149 μ s p->v: 230 μ s

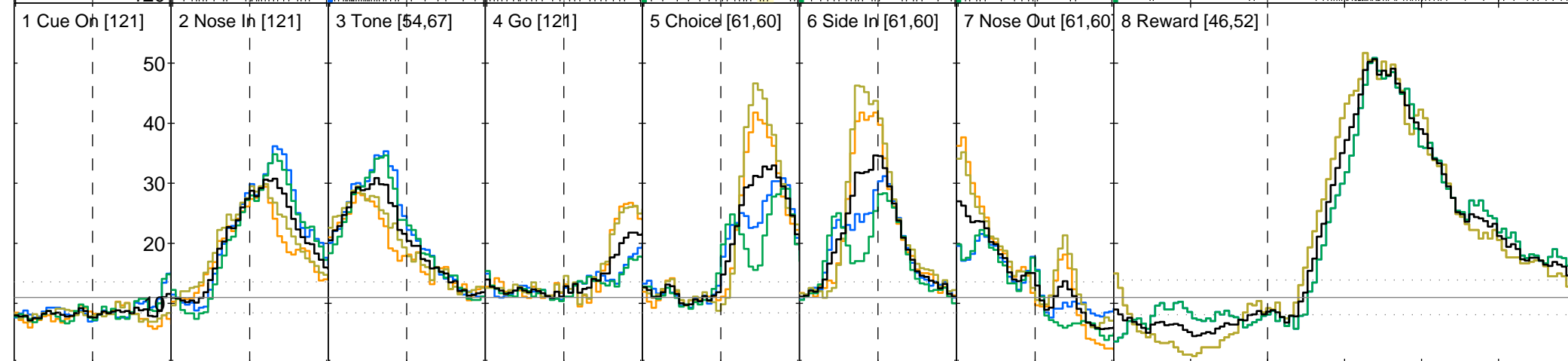
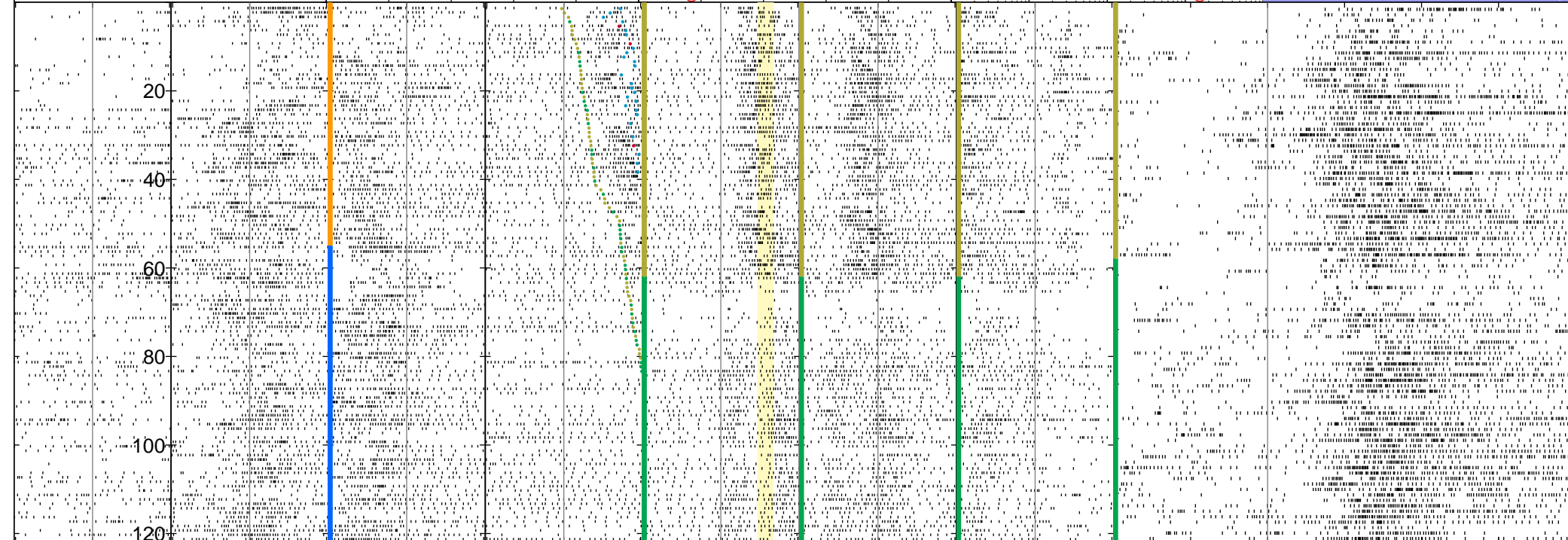
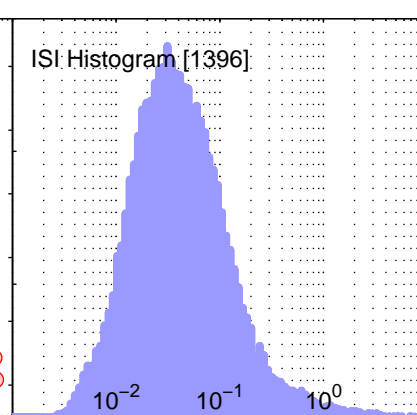
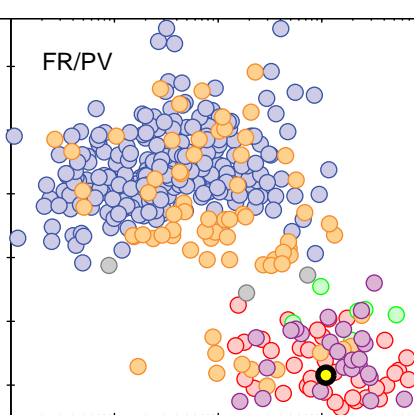
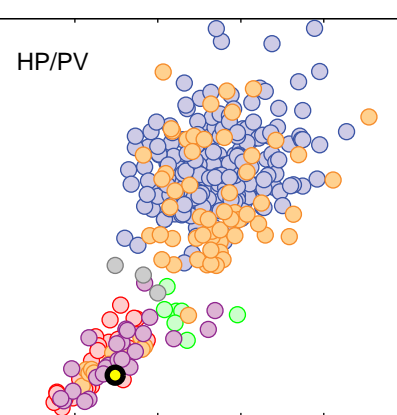
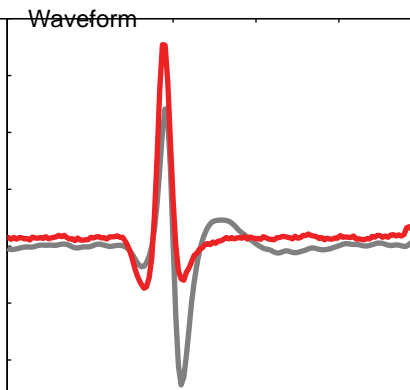
β_T : -1.8 β_D : -5.6

β_P : 4.8 SI: -0.46

Session FR: 11 Hz

Pk Ev: 8 - Reward (T1/Con)

Pk FR: 51.7Hz (0.62s) **FSI**



Cell: C0320070611T09d

AP: 1.6 ML: 3.7 DV: 4.7

w: 2 n: 15569 $P_{ISI>2}$: 0.55

1/2pw: 304 μ s p->v: 829 μ s

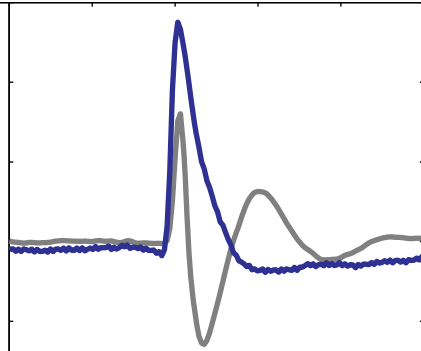
β_T : NaN β_D : NaN

β_P : NaN SI: NaN

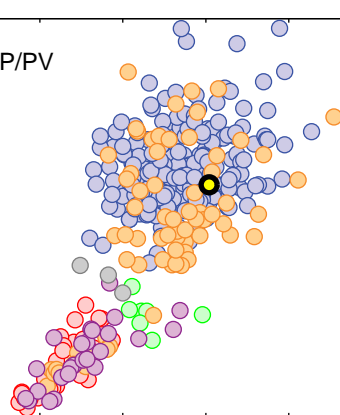
Session FR: 2.08 Hz

Pk Ev: 1 - Cue on (Tone1)

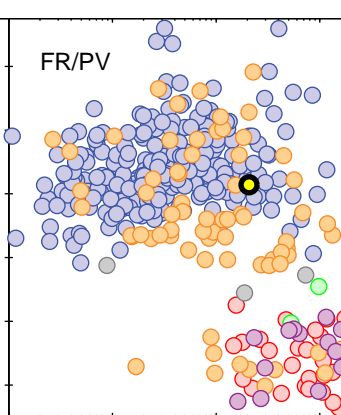
Pk FR: 7.11Hz (-0.83s) **MSN**



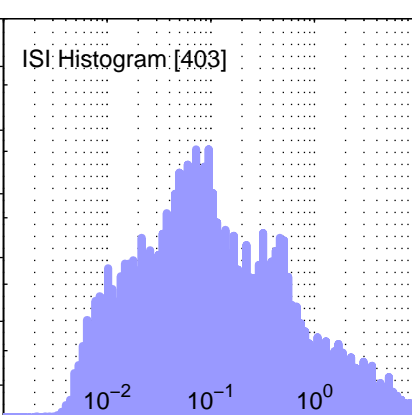
HP/PV



FR/PV

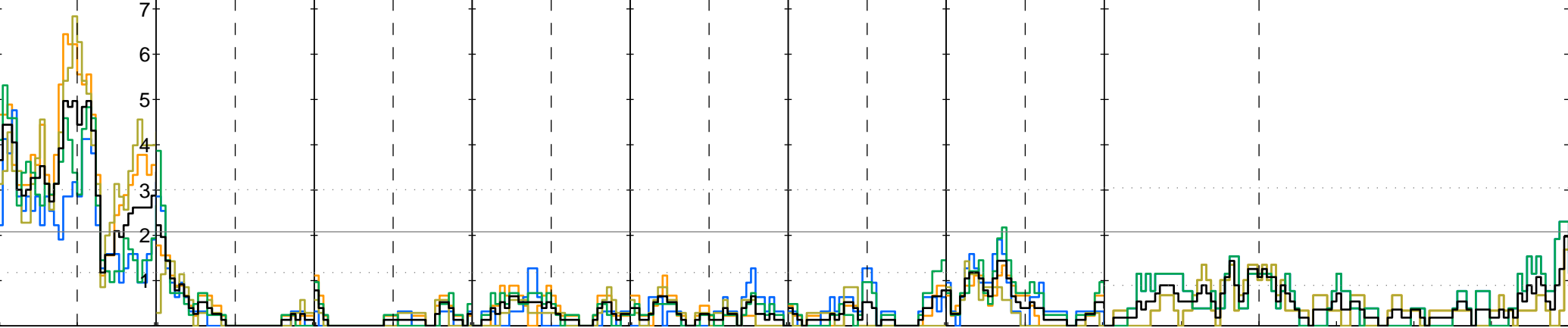


ISI Histogram [403]



10
20
30
40
50
60
70
80

1 Cue On [85] 2 Nose In [85] 3 Tone [50,35] 4 Go [85] 5 Choice [39,46] 6 Side In [39,46] 7 Nose Out [39,46] 8 Reward [33,29]



Cell: C0320070625T11c

AP: -0.96 ML: 3.7 DV: 6.2

w: 4 n: 6769 $P_{ISI>2}$: 0.45

1/2pw: 254 μ s p \rightarrow v: 840 μ s

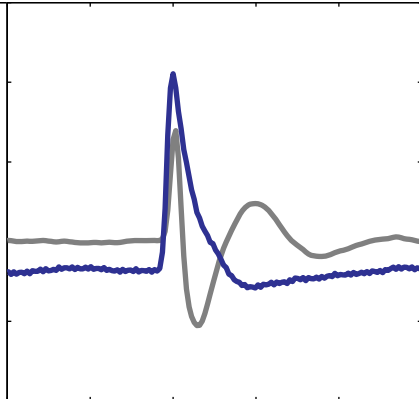
β_T : NaN β_D : NaN

β_P : NaN SI: NaN

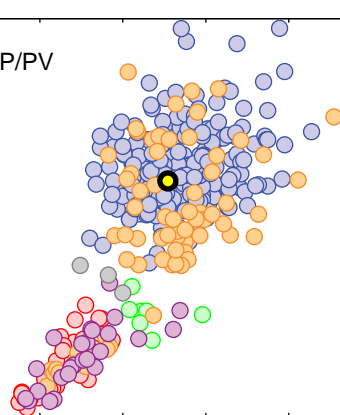
Session FR: 2.4 Hz

Pk Ev: 1 - Cue on (Tone2)

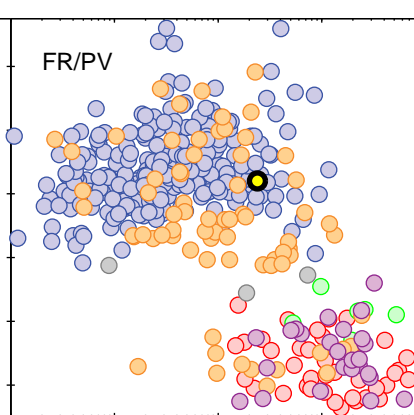
Pk FR: 6.67Hz (0.85s) MSN



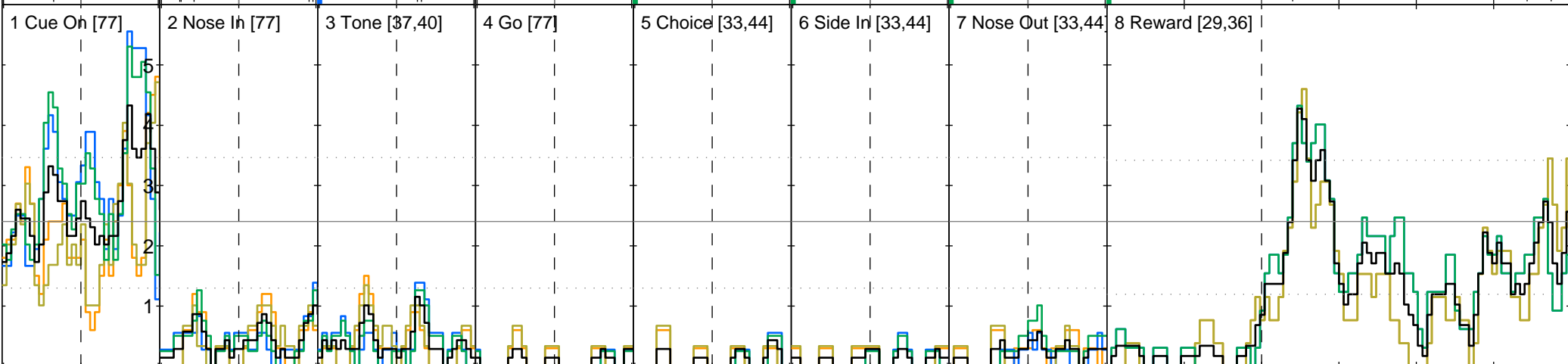
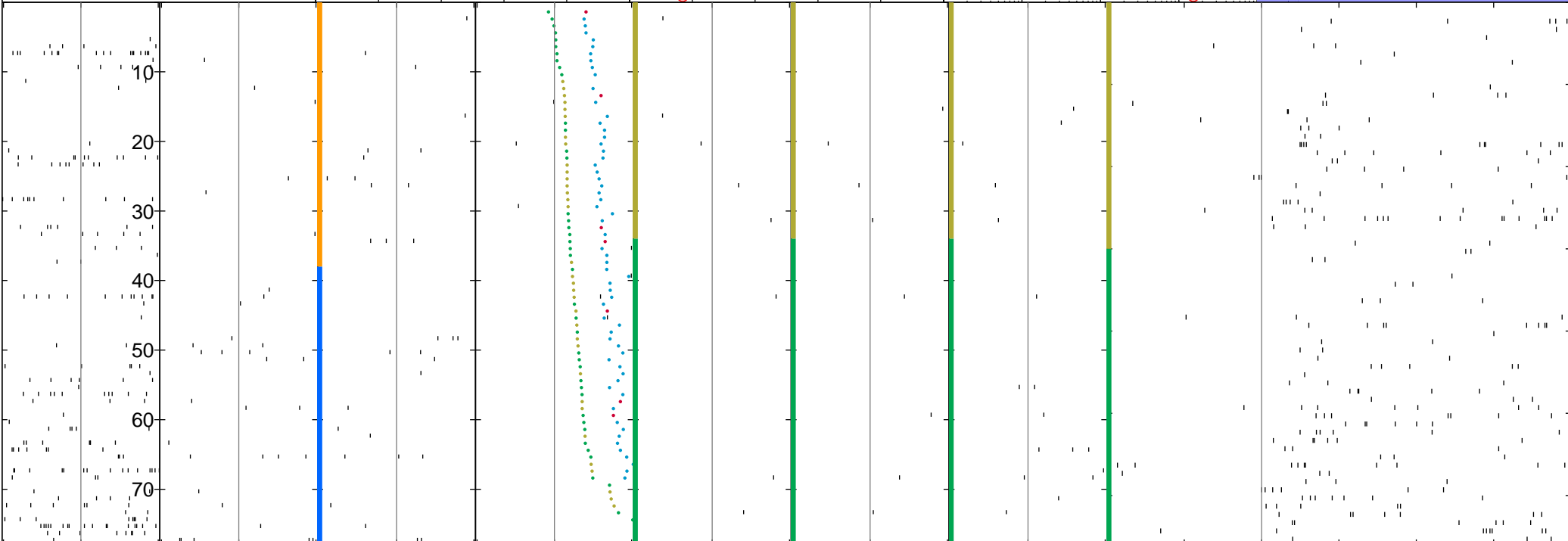
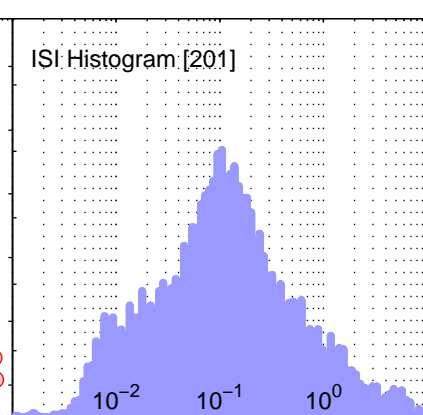
HP/PV



FR/PV



ISI Histogram [201]



Cell: C1220071024T05e

AP: 1.4 ML: 2.1 DV: 6.9

w: 2 n: 23979 $P_{ISI>2}$: 0.66

1/2pw: 395 μ s p \rightarrow v: 1184 μ s

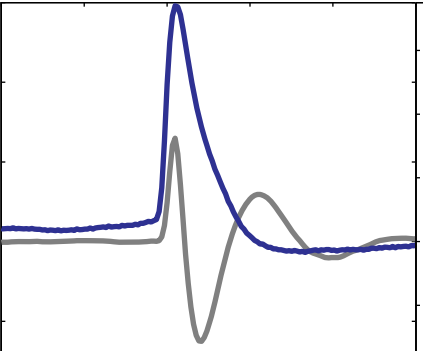
β_T : -1.9 β_D : 4.7

β_P : 2.8 SI: 0.56

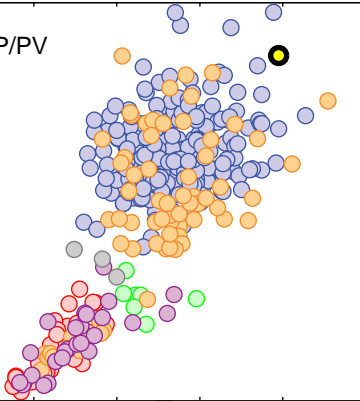
Session FR: 3.25 Hz

Pk Ev: 2 - Nose in (Tone1)

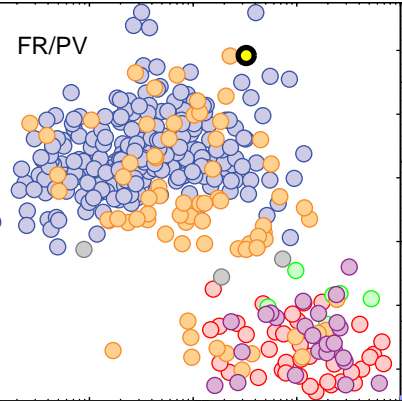
Pk FR: 13.9Hz (-1.5s) MSN



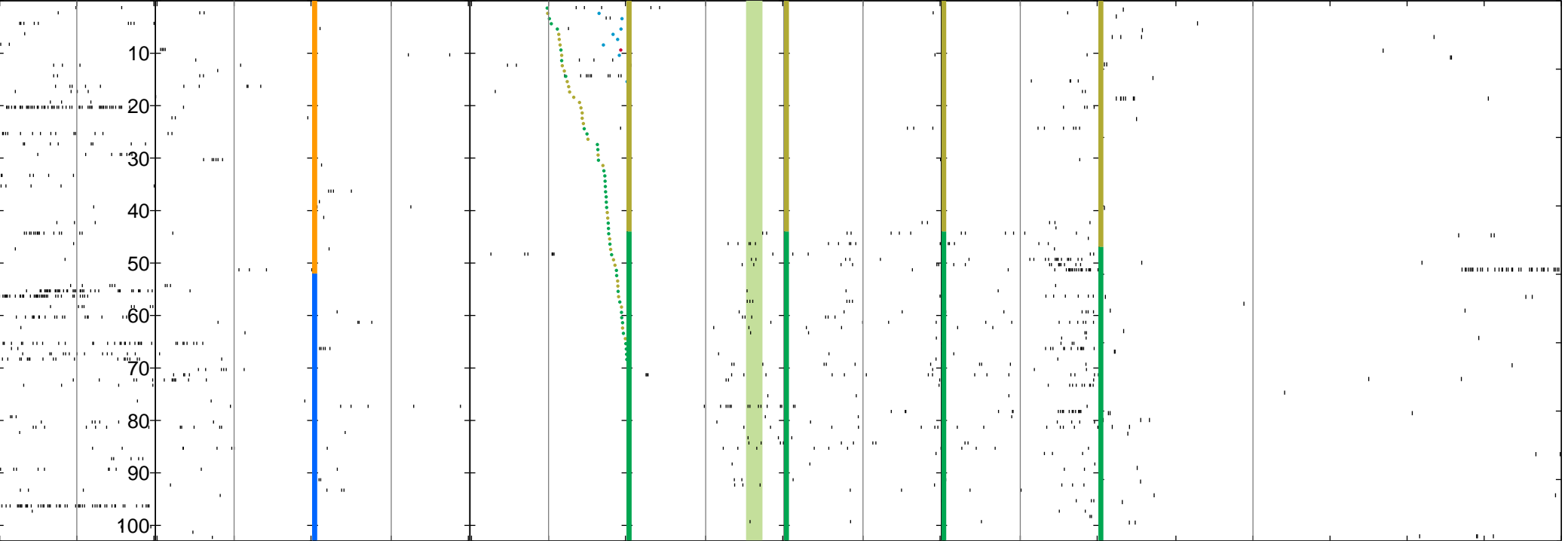
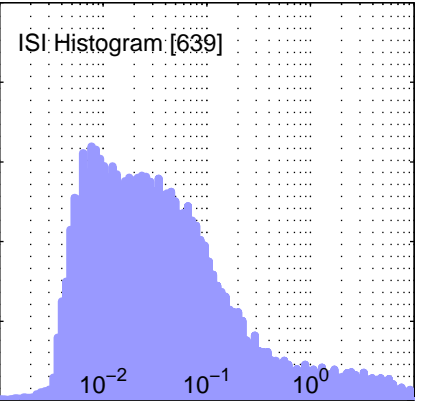
HP/PV



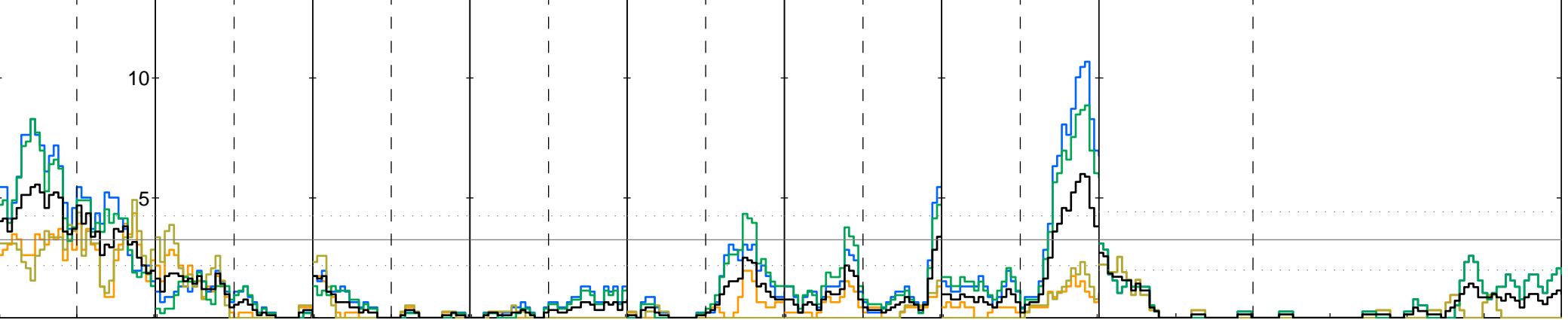
FR/PV



ISI Histogram [639]

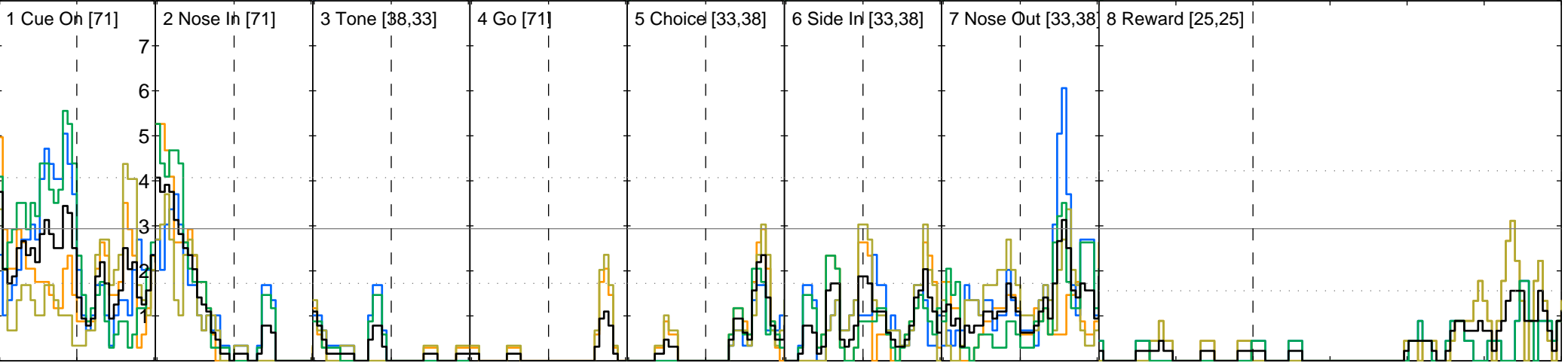
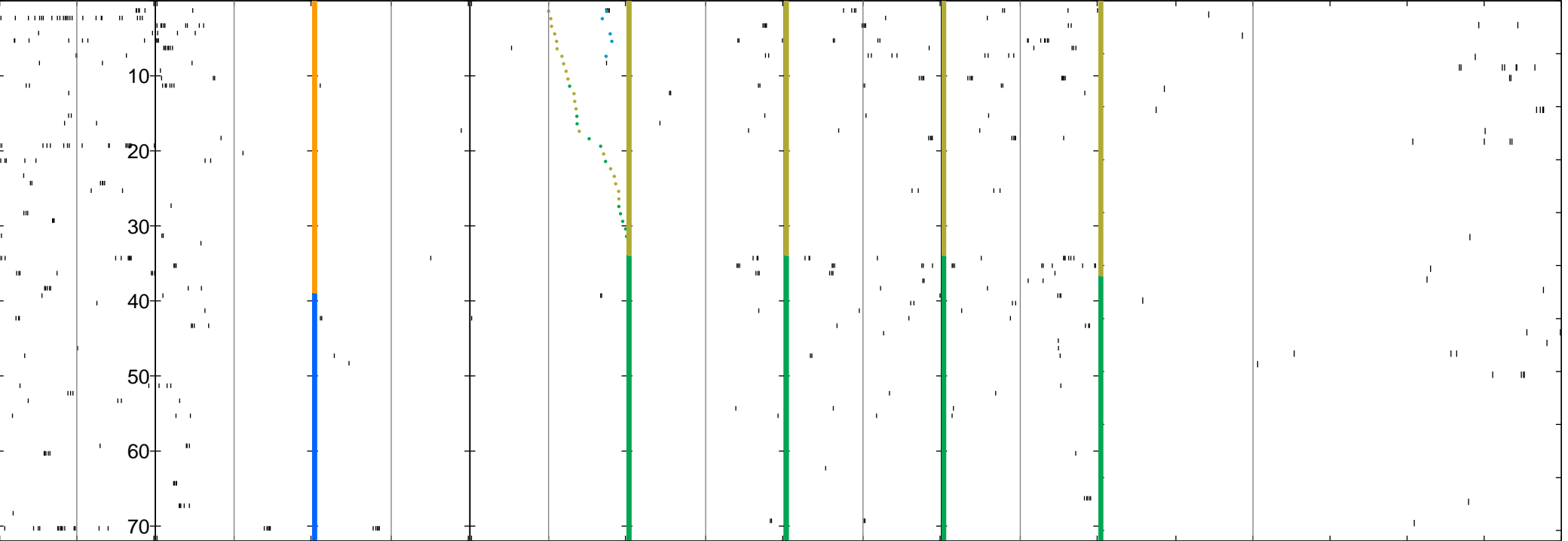
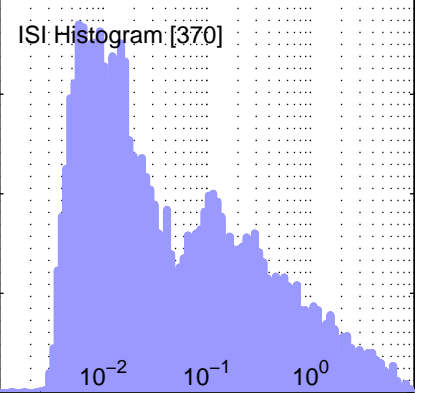
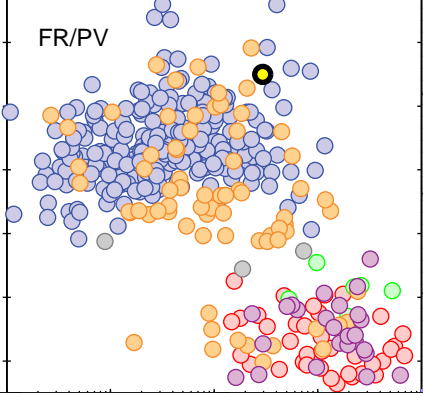
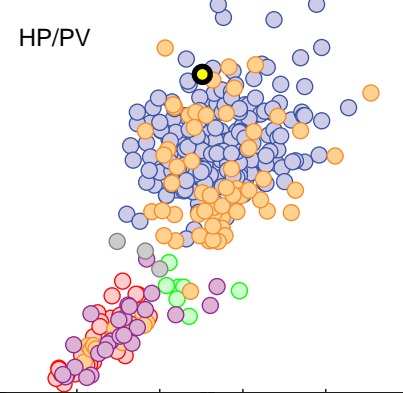
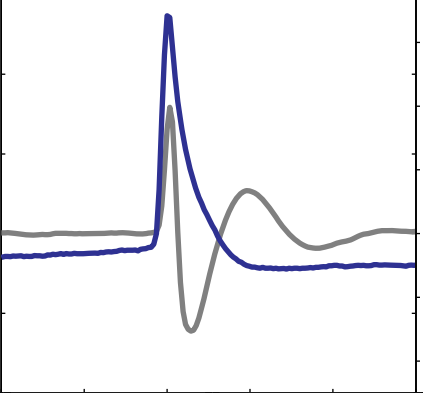


1 Cue On [102] 2 Nose In [102] 3 Tone [51,51] 4 Go [102] 5 Choice [43,59] 6 Side In [43,59] 7 Nose Out [43,59] 8 Reward [35,43]



Cell: C0420070312T05a

AP: 2.5 ML: 1.3 DV: 6.5
w: 4 n: 13067 $P_{ISI>2}$: 0.54
1/2pw: 251 μ s p->v: 1099 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 2.94 Hz
Pk Ev: 2 - Nose in (Contra)
Pk FR: 7.41Hz (-1.26s) **MSN**



Cell: C0520070406T05b

AP: 2.2 ML: 1.2 DV: 7.6

w: 1 n: 11141 $P_{ISI>2}$: 0.55

1/2pw: 358 μ s p \rightarrow v: 957 μ s

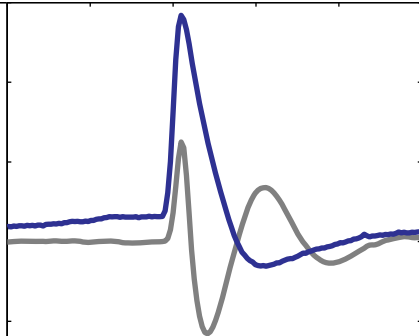
β_T : -3 β_D : 3.4

β_P : -5.5 SI: 0.34

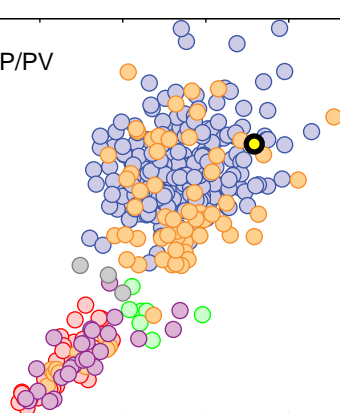
Session FR: 2.55 Hz

Pk Ev: 2 - Nose in (Tone2)

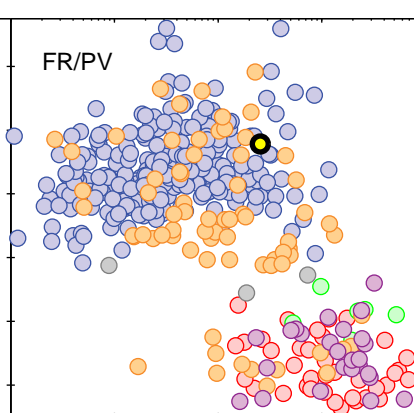
Pk FR: 19.7Hz (-0.09s) MSN



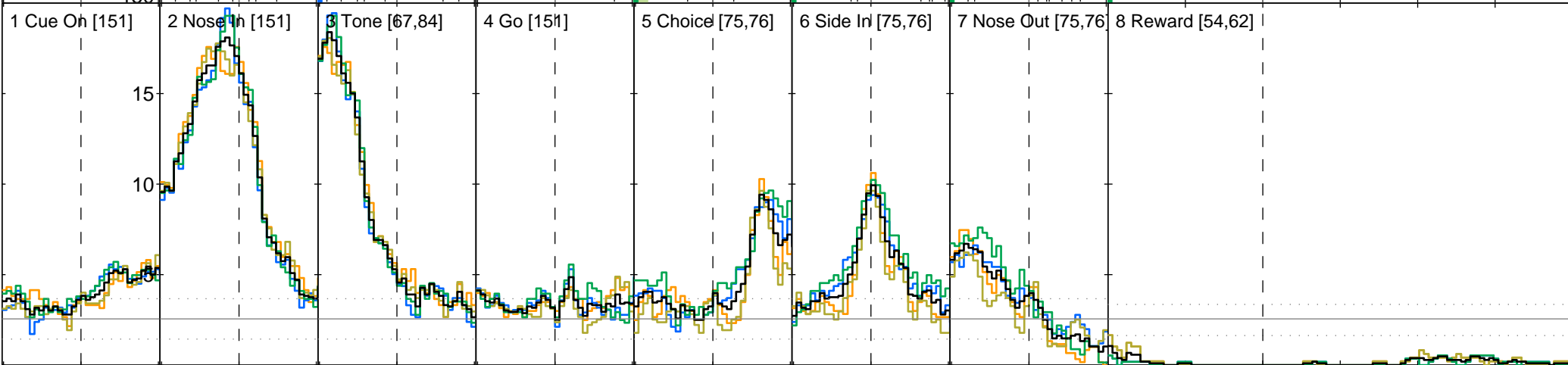
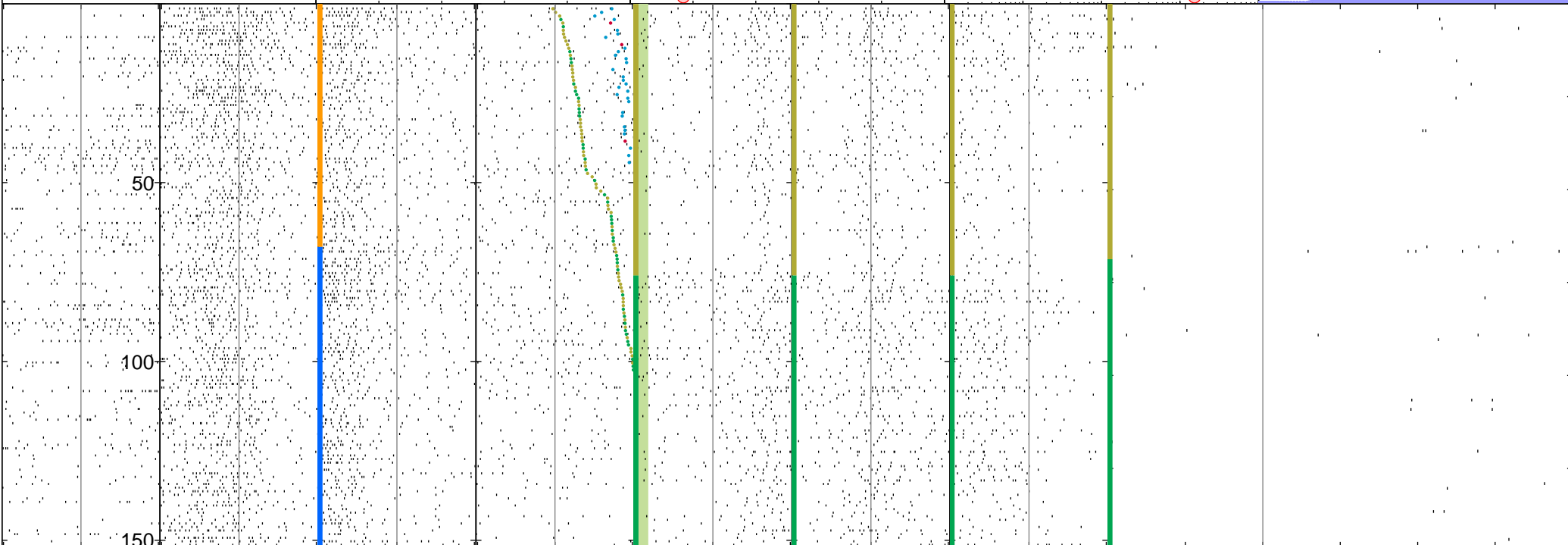
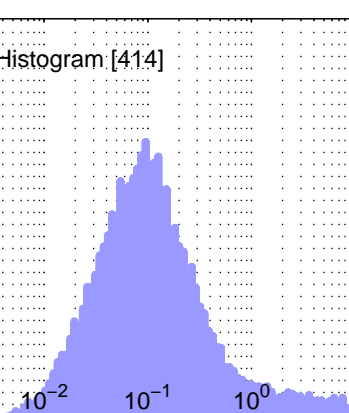
HP/PV



FR/PV



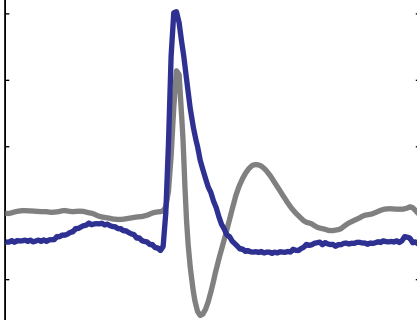
ISI Histogram [414]



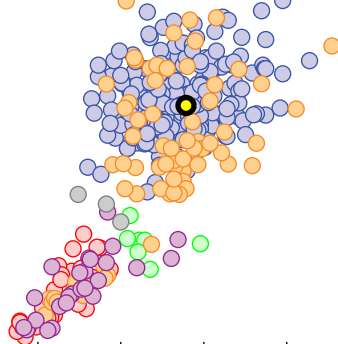
Cell: C0320070621T07a

AP: 0.96 ML: 3.6 DV: 6
w: 3 n: 6270 $P_{ISI>2}$: 0.56
1/2pw: 278 μ s p->v: 854 μ s
 β_T : -2.5 β_D : -3.7
 β_P : 2.1 SI: 0.87
Session FR: 2.05 Hz
Pk Ev: 2 - Nose in (Tone2)
Pk FR: 31.8Hz (0.00s) **MSN**

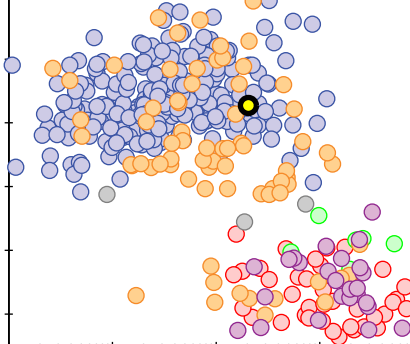
Waveform



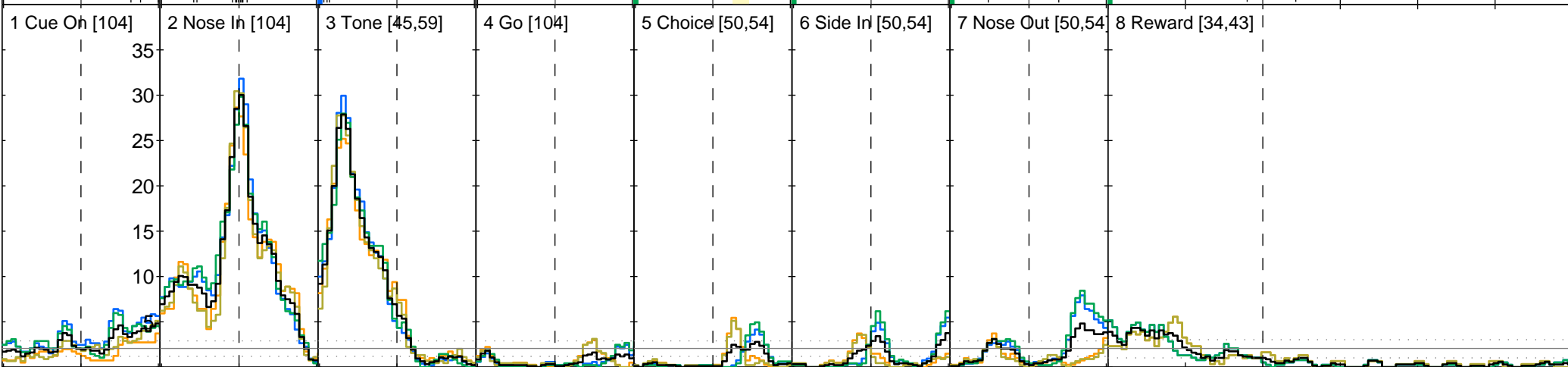
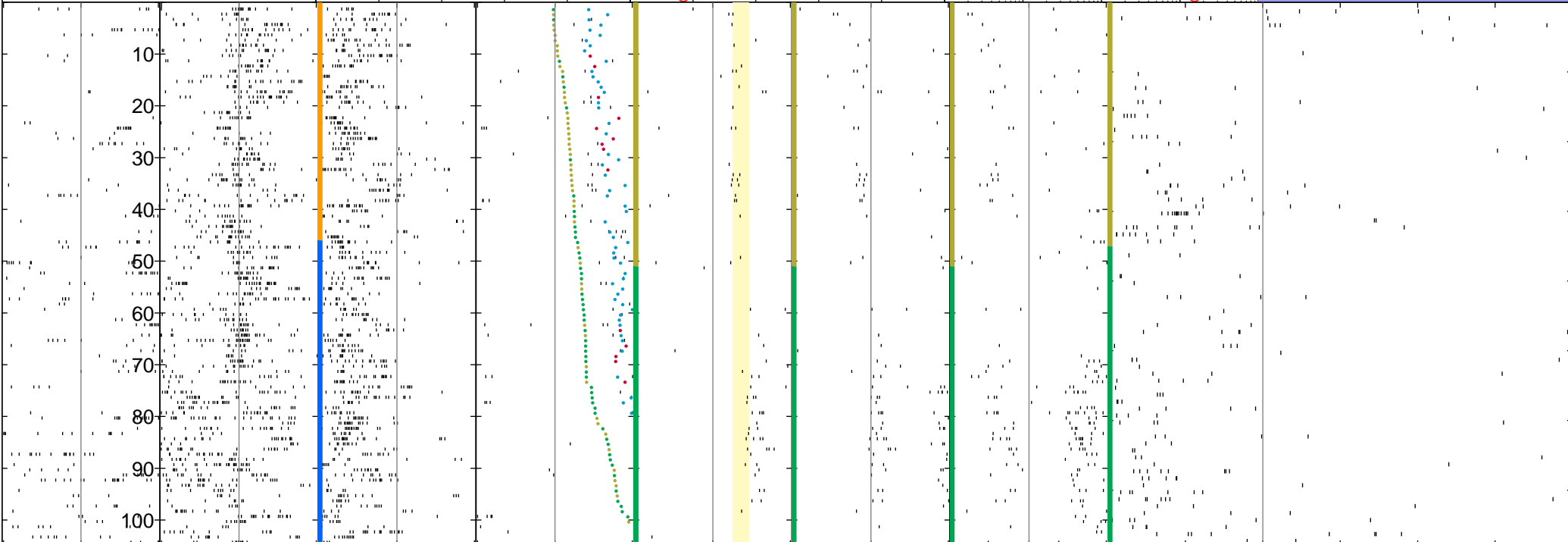
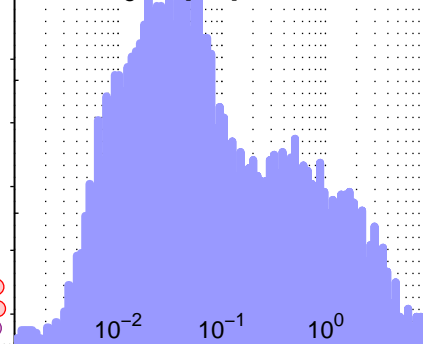
HP/PV



FR/PV



ISI Histogram [149]



Cell: C0420070226T04d

AP: 2.5 ML: 1.8 DV: 5.7

w: 4 n: 52964 $P_{ISI>2}$: 0.0095

1/2pw: 288 μ s p \rightarrow v: 1109 μ s

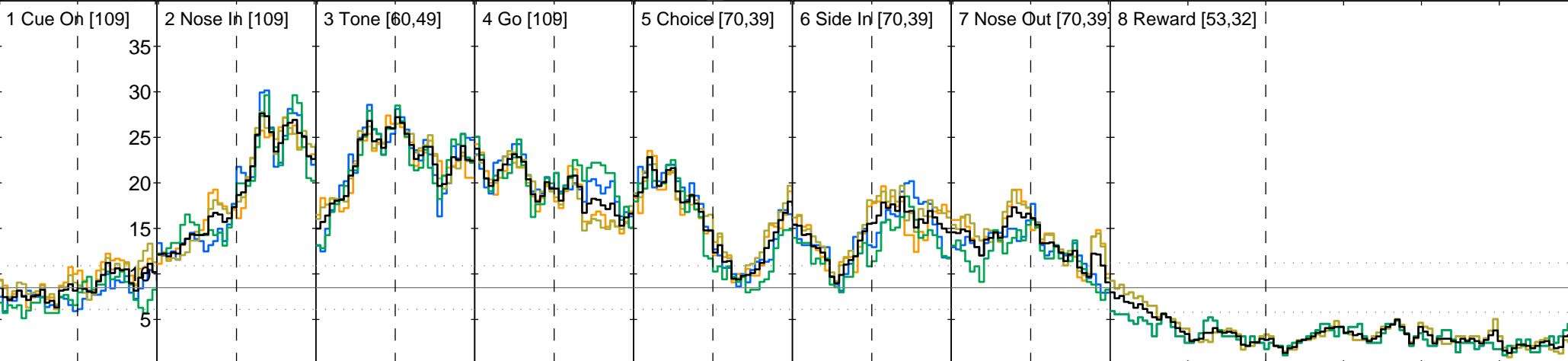
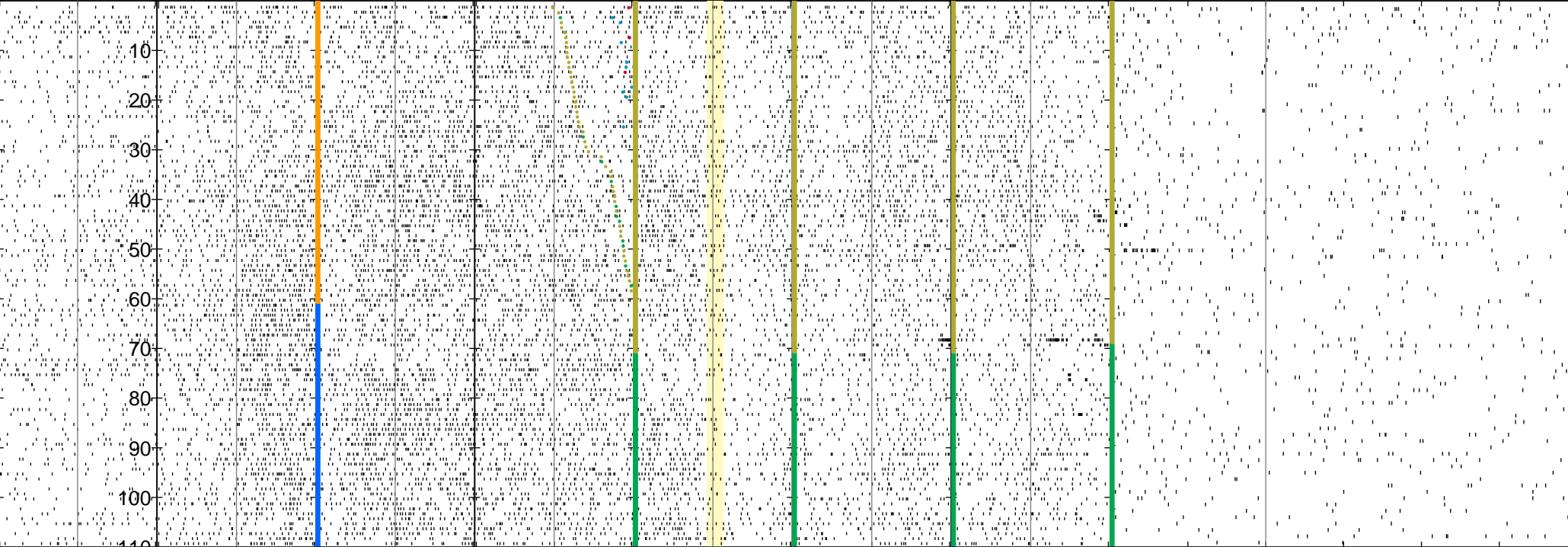
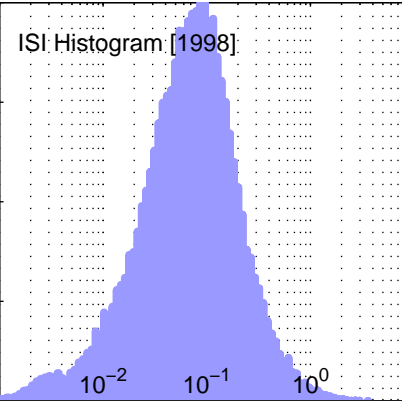
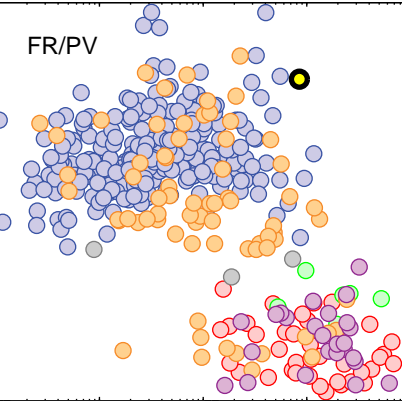
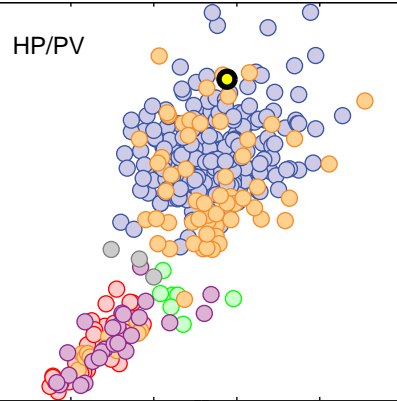
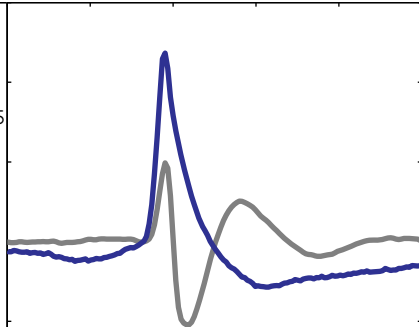
β_T : 2.8 β_D : -3

β_P : 3 SI: -0.25

Session FR: 8.49 Hz

Pk Ev: 2 - Nose in (Tone2)

Pk FR: 30.2Hz (0.18s) **MSN**



Cell: C0320070626T07a

AP: 0.96 ML: 3.6 DV: 6.8

w: 3 n: 2916 $P_{ISI>2}$: 0.76

1/2pw: 331 μ s p->v: 909 μ s

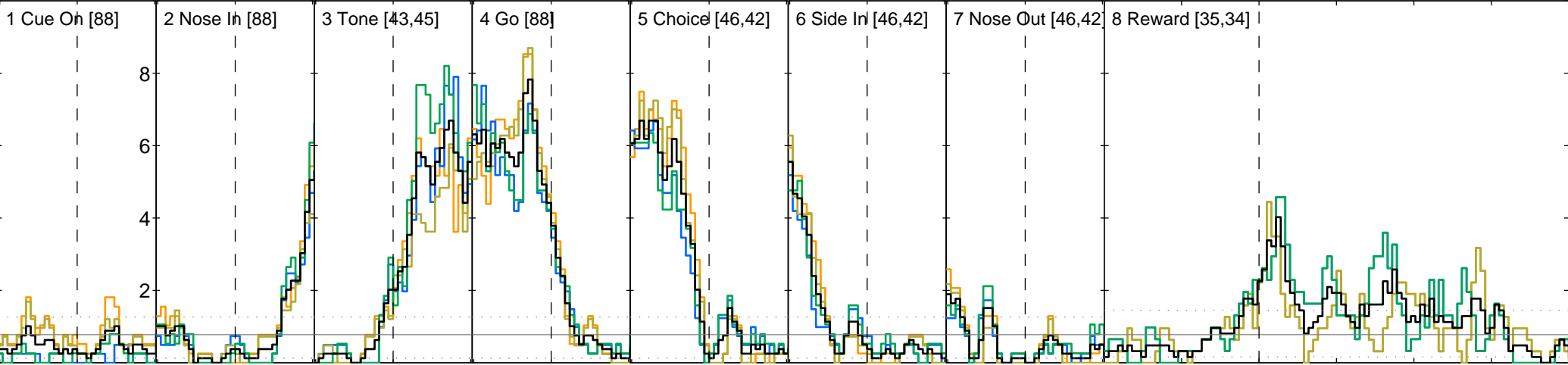
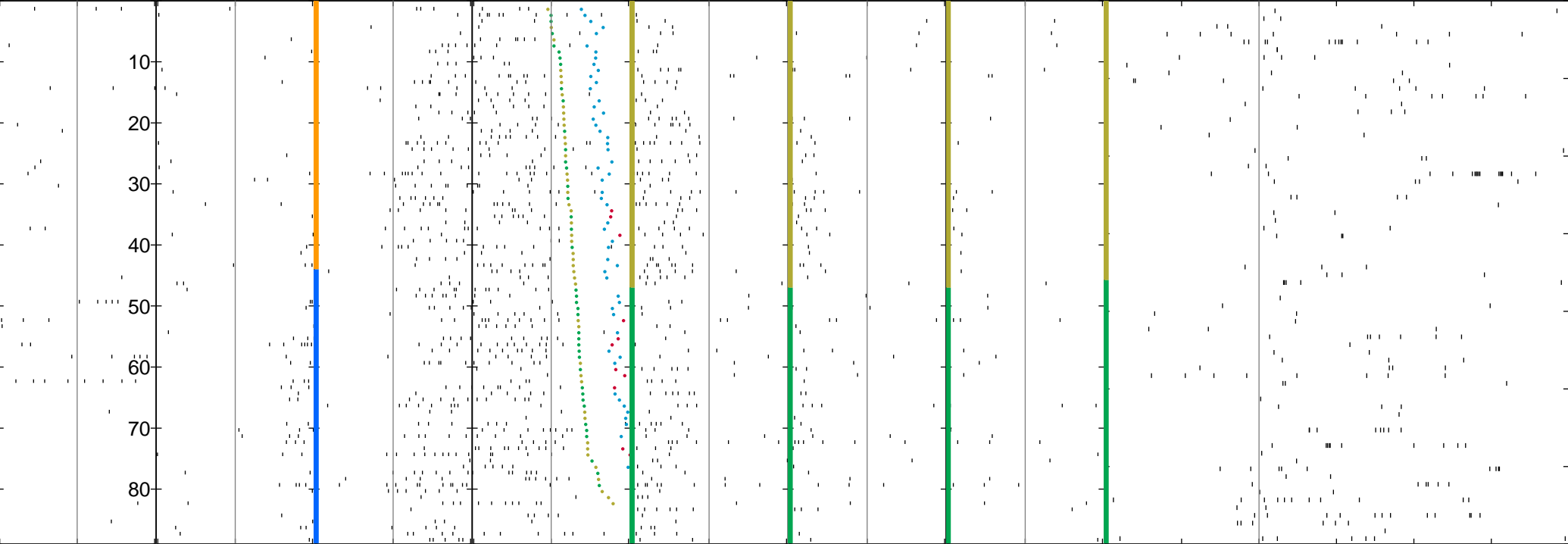
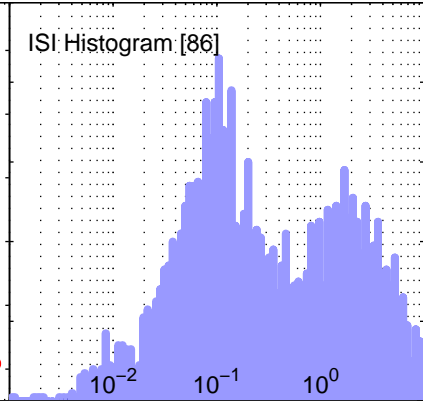
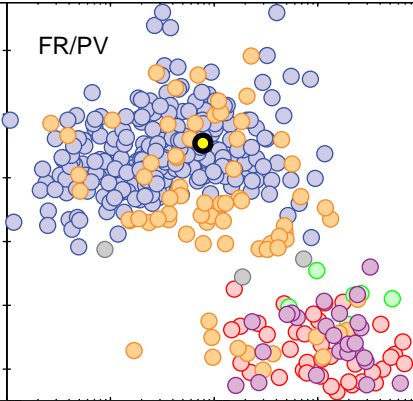
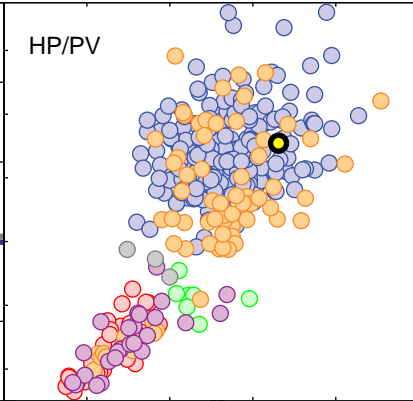
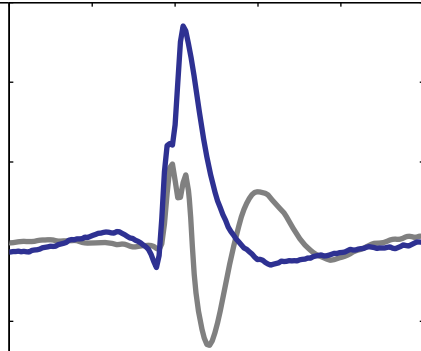
β_T : -2.9 β_D : 2.7

β_P : -3.2 SI: -0.14

Session FR: 0.778 Hz

Pk Ev: 2 - Nose in (Tone1)

Pk FR: 9.04Hz (0.96s) **MSN**



Cell: C0320070622T07e

AP: 0.96 ML: 3.6 DV: 6.1

w: 3 n: 21757 $P_{ISI>2}$: 0.1

1/2pw: 282 μ s p \rightarrow v: 794 μ s

β_T : 3.6 β_D : 7.1

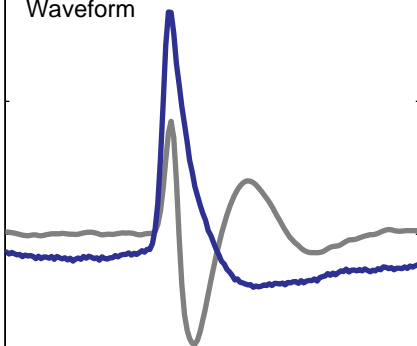
β_P : -3.5 SI: 0.78

Session FR: 5.5 Hz

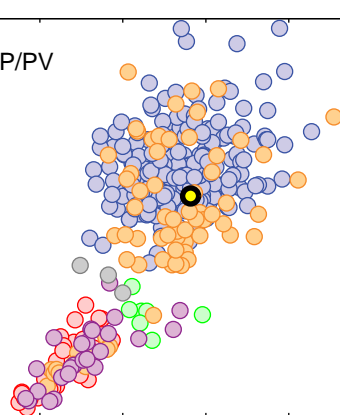
Pk Ev: 3 - Tone (Tone2)

Pk FR: 23Hz (-0.99s) **MSN**

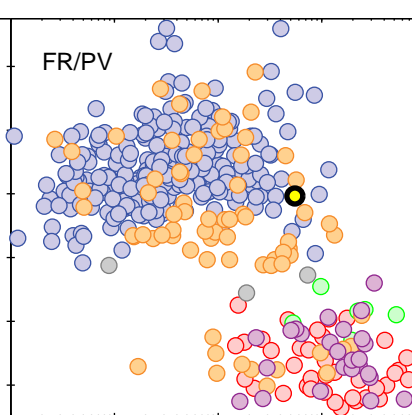
Waveform



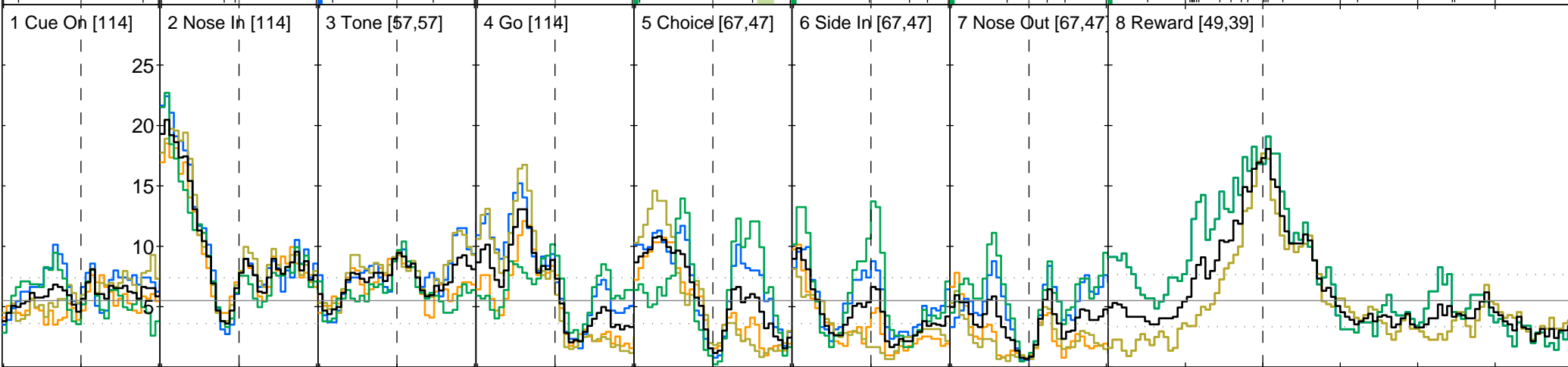
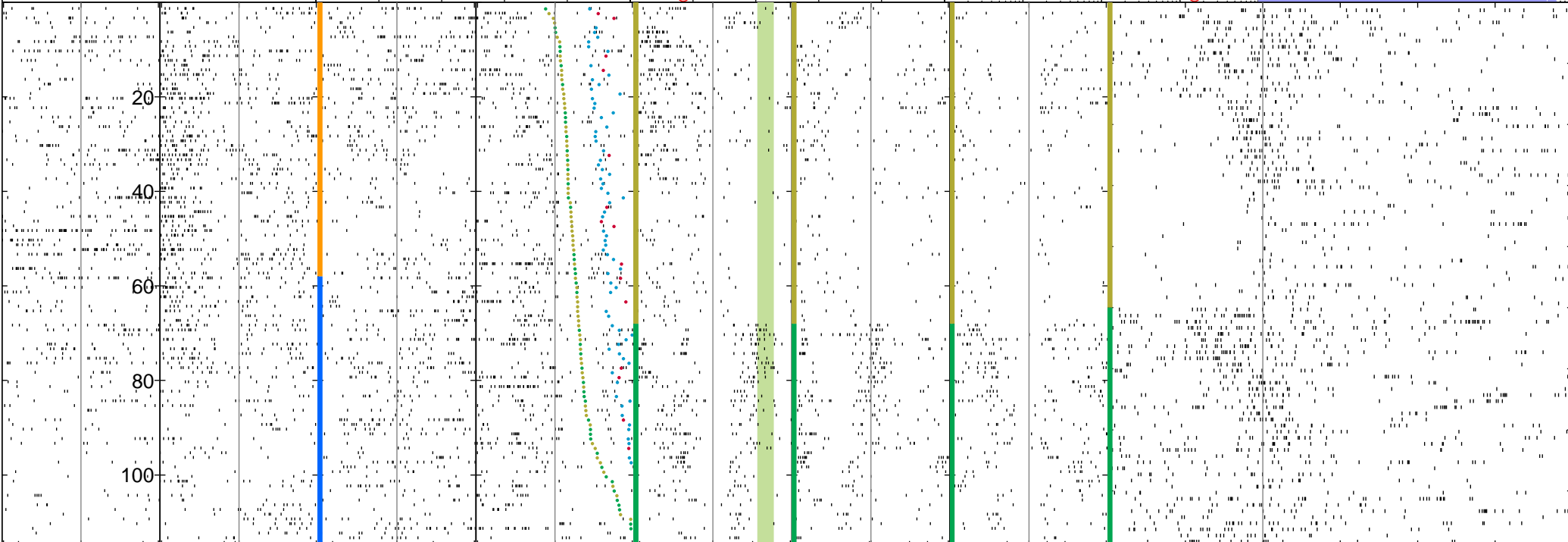
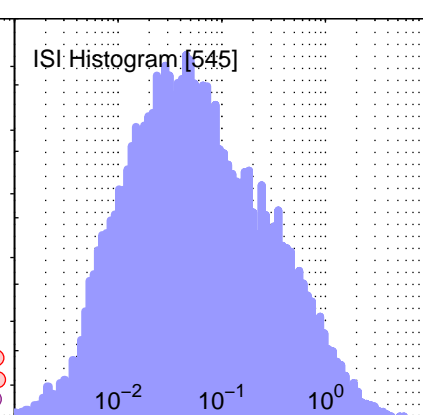
HP/PV



FR/PV



ISI Histogram [545]



Cell: C1220071025T05c

AP: 1.4 ML: 2.1 DV: 6.9

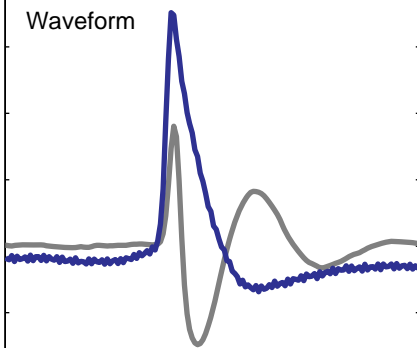
w: 4 n: 9927 $P_{ISI>2}$: 0.491/2pw: 317 μ s p->v: 821 μ s β_T : -1.7 β_D : 1.4 β_P : -0.92 SI: NaN

Session FR: 1.47 Hz

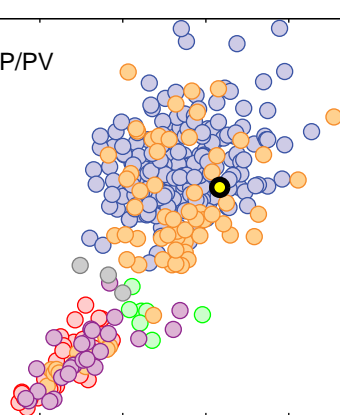
Pk Ev: 3 - Tone (Tone2)

Pk FR: 5.72Hz (-0.3s) **MSN**

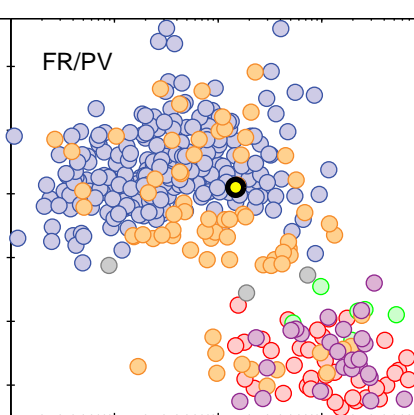
Waveform



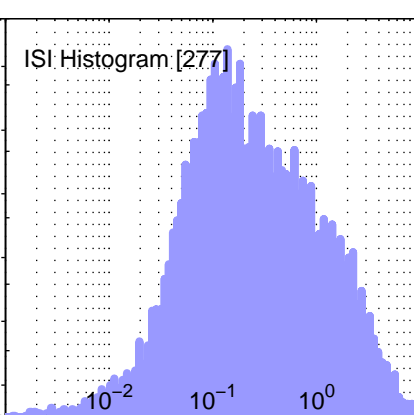
HP/PV



FR/PV



ISI Histogram [277]



10

20

30

40

50

60

70

1 Cue On [77]

2 Nose In [77]

3 Tone [44,33]

4 Go [77]

5 Choice [38,39]

6 Side In [38,39]

7 Nose Out [38,39]

8 Reward [31,26]

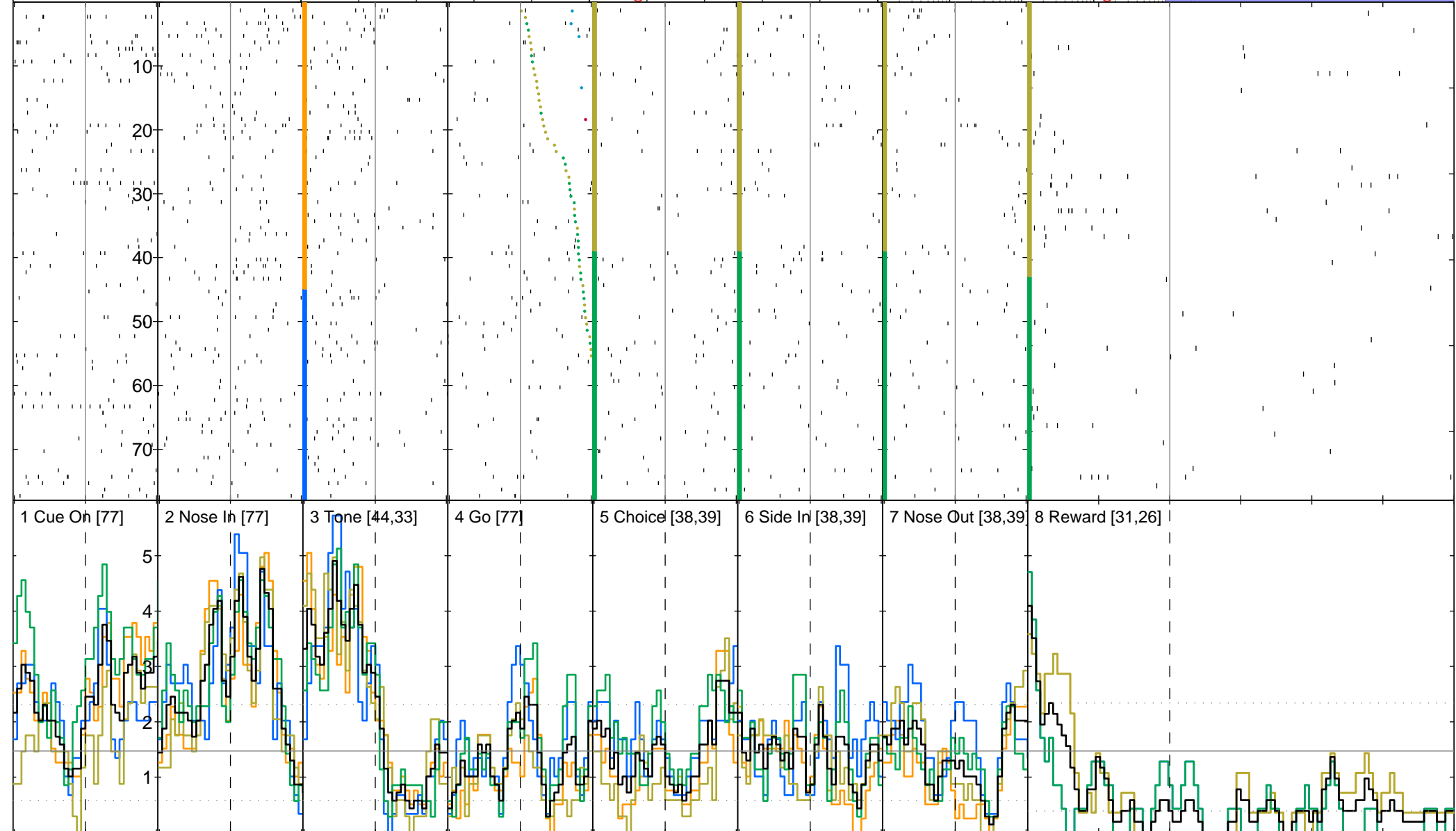
5

4

3

2

1



Cell: C0320070630T09g

AP: 1.6 ML: 3.7 DV: 6.2

w: 2 n: 7730 $P_{ISI>2}$: 0.15

1/2pw: 309 μ s p \rightarrow v: 792 μ s

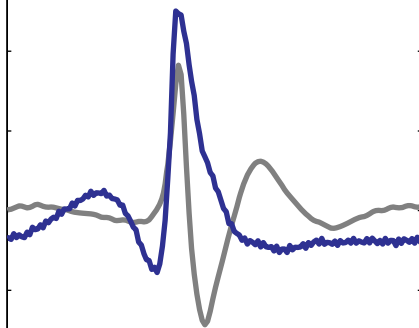
β_T : -3.6 β_D : 2.7

β_P : 4.2 SI: -0.23

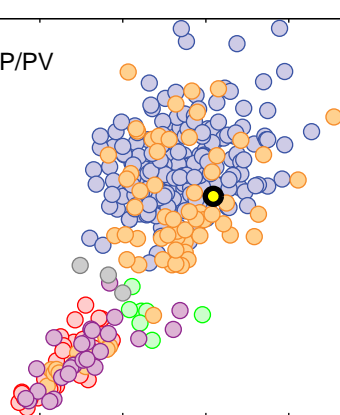
Session FR: 2.55 Hz

Pk Ev: 3 - Tone (Tone1)

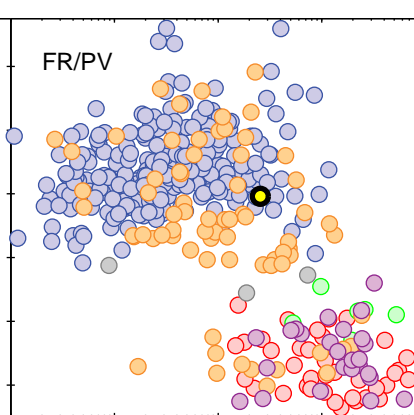
Pk FR: 14.6Hz (-0.15s) MSN



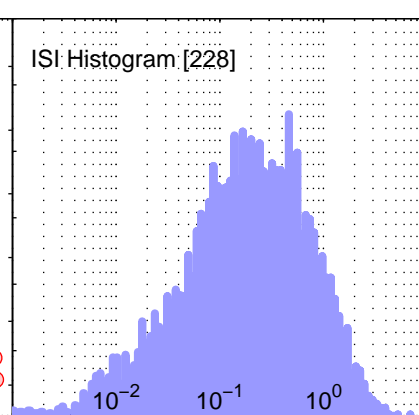
HP/PV



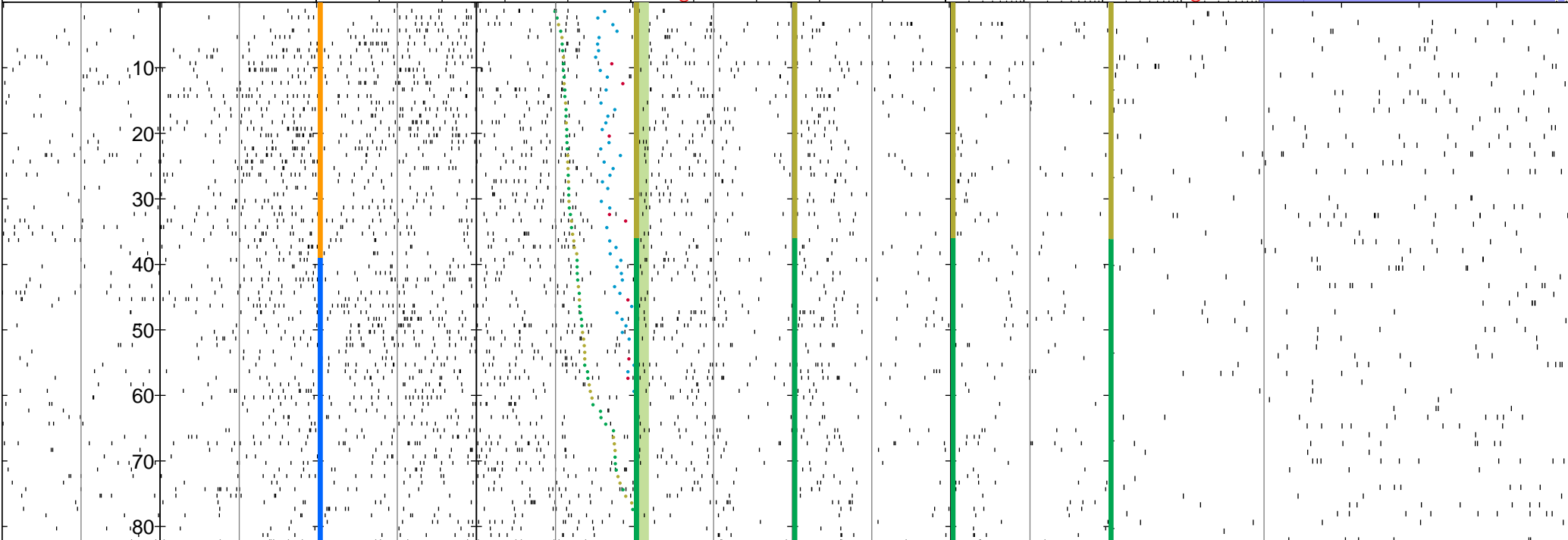
FR/PV



ISI Histogram [228]



10
20
30
40
50
60
70
80



1 Cue On [82]

2 Nose In [82]

3 Tone [38,44]

4 Go [82]

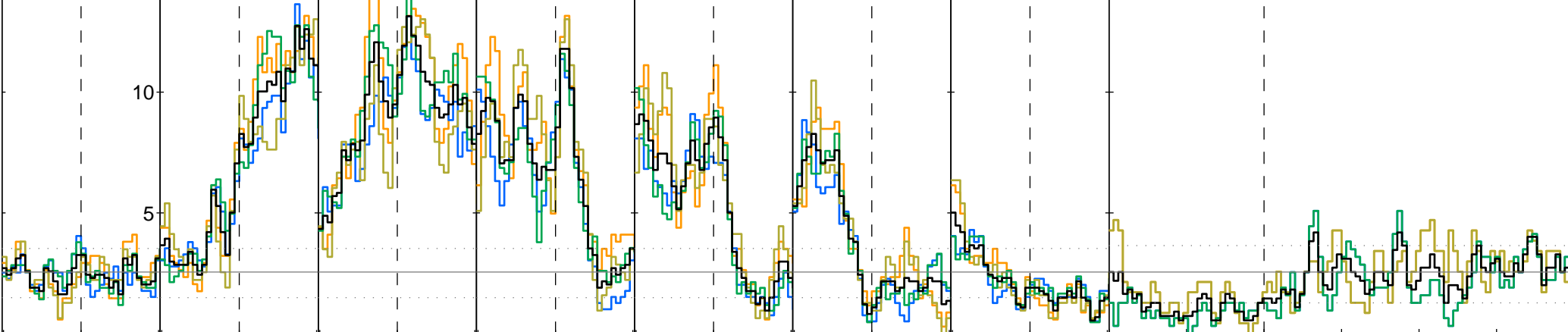
5 Choice [35,47]

6 Side In [35,47]

7 Nose Out [35,47]

8 Reward [26,35]

10
5



Cell: C0320070622T07d

AP: 0.96 ML: 3.6 DV: 6.1

w: 3 n: 1493 $P_{ISI>2}$: 0.91

1/2pw: 262 μ s p->v: 888 μ s

β_T : -4.5 β_D : 7.2

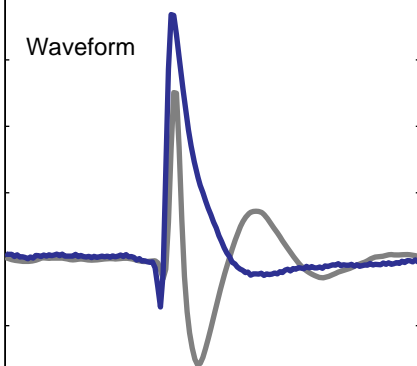
β_P : -3.6 SI: 1

Session FR: 0.378 Hz

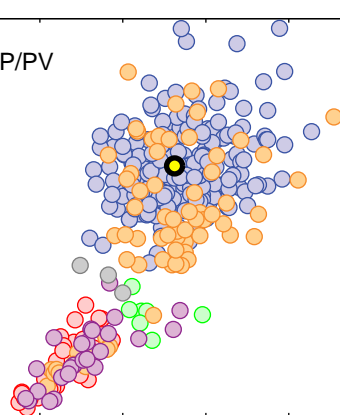
Pk Ev: 3 - Tone (Tone2)

Pk FR: 8.38Hz (0.03s) **MSN**

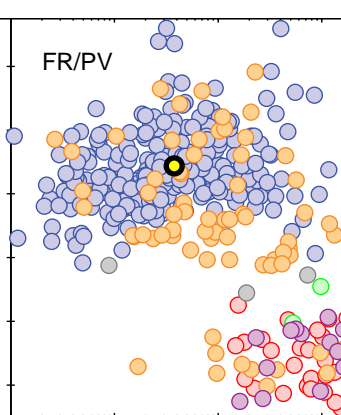
Waveform



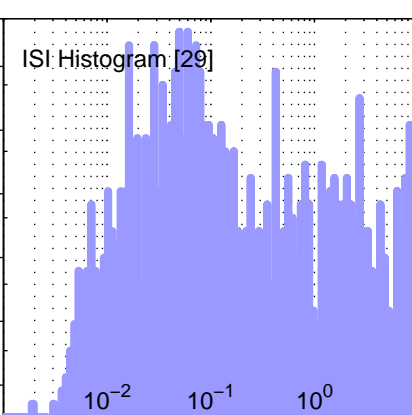
HP/PV



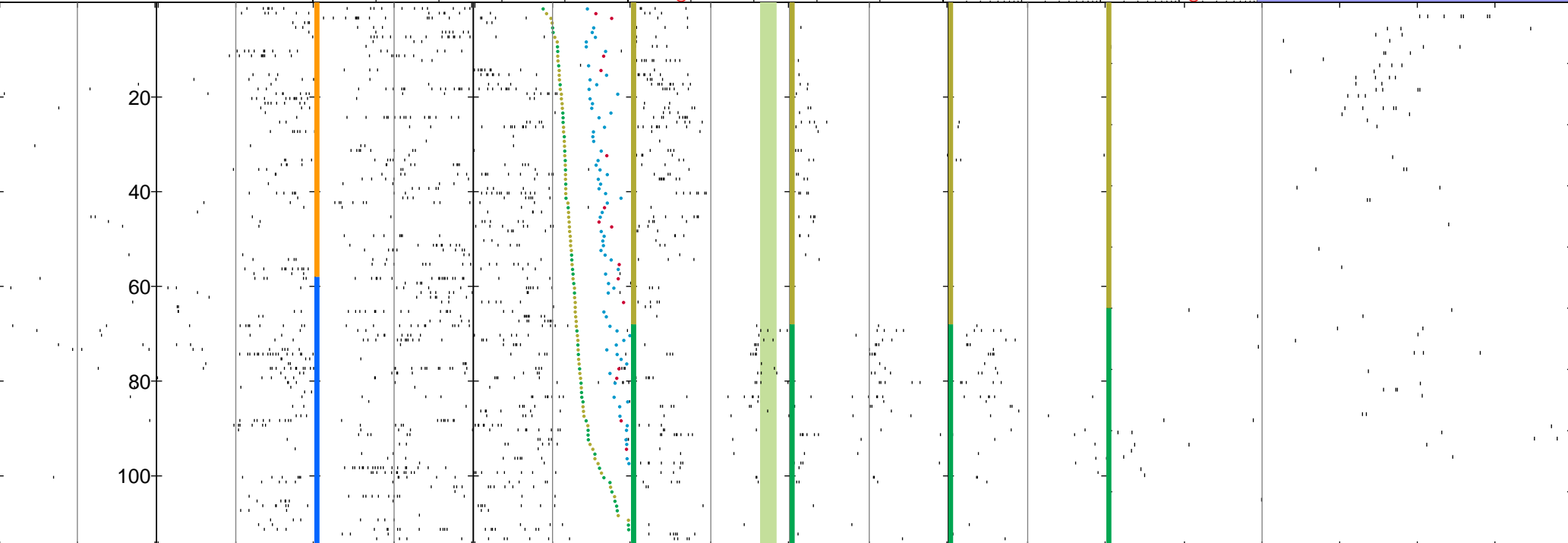
FR/PV



ISI Histogram [29]

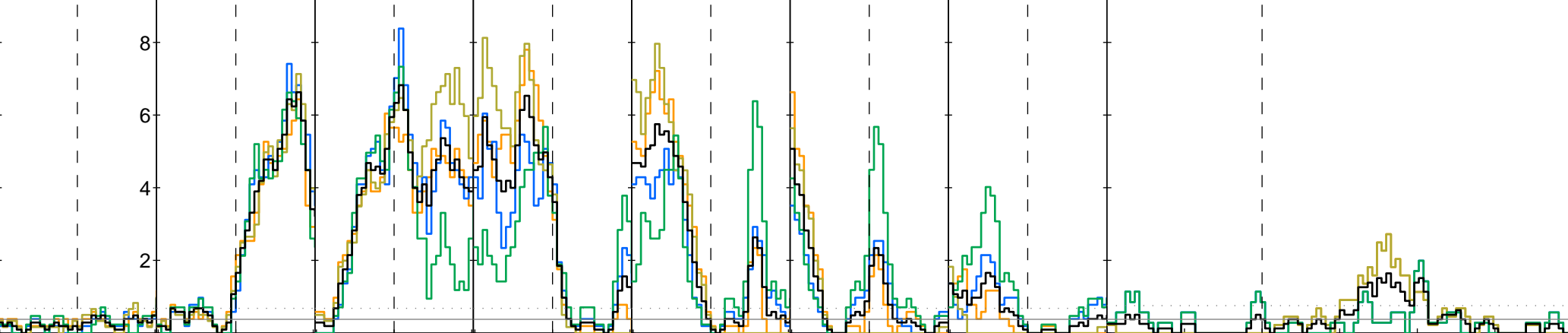


20
40
60
80
100



1 Cue On [114] 2 Nose In [114] 3 Tone [57,57] 4 Go [114] 5 Choice [67,47] 6 Side In [67,47] 7 Nose Out [67,47] 8 Reward [49,39]

8
6
4
2



Cell: C1220071024T11a

AP: -2.8 ML: 4.2 DV: 6.7

w: 1 n: 63772 $P_{ISI>2}$: 1.8

1/2pw: 242 μ s p->v: 613 μ s

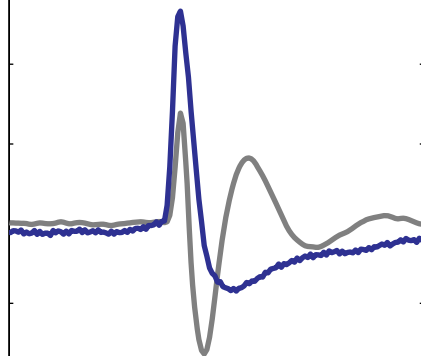
β_T : NaN β_D : NaN

β_P : NaN SI: -0.18

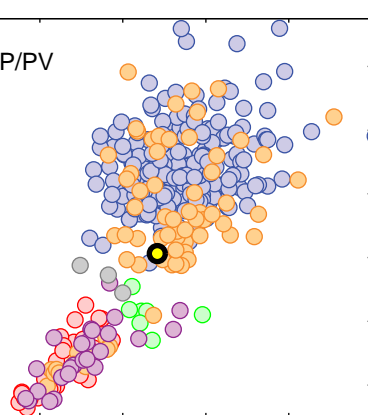
Session FR: 8.65 Hz

Pk Ev: 3 - Tone (Tone2)

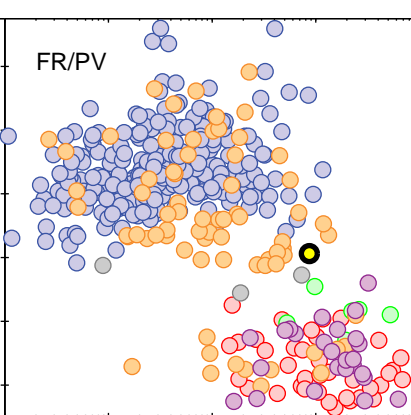
Pk FR: 31.2Hz (0.1s) **MSN**



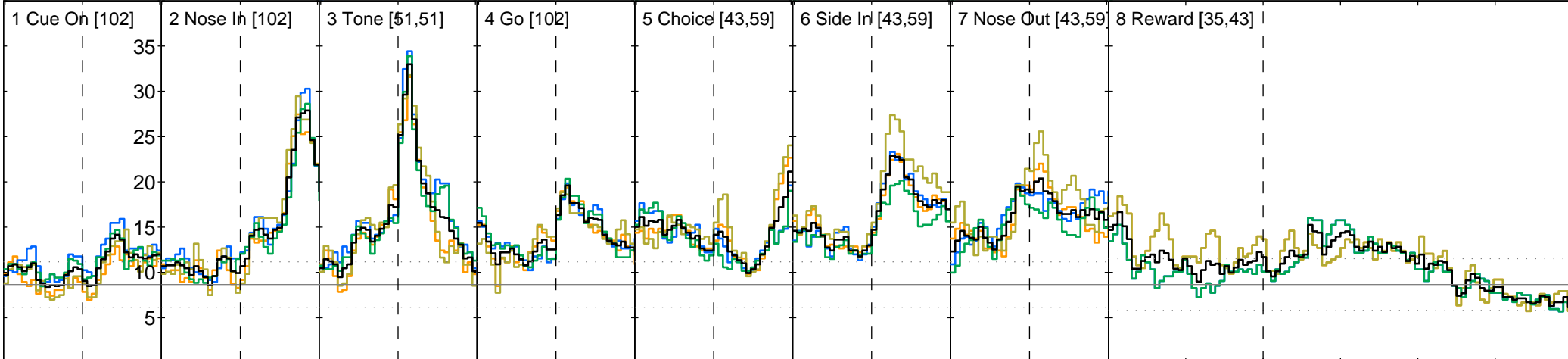
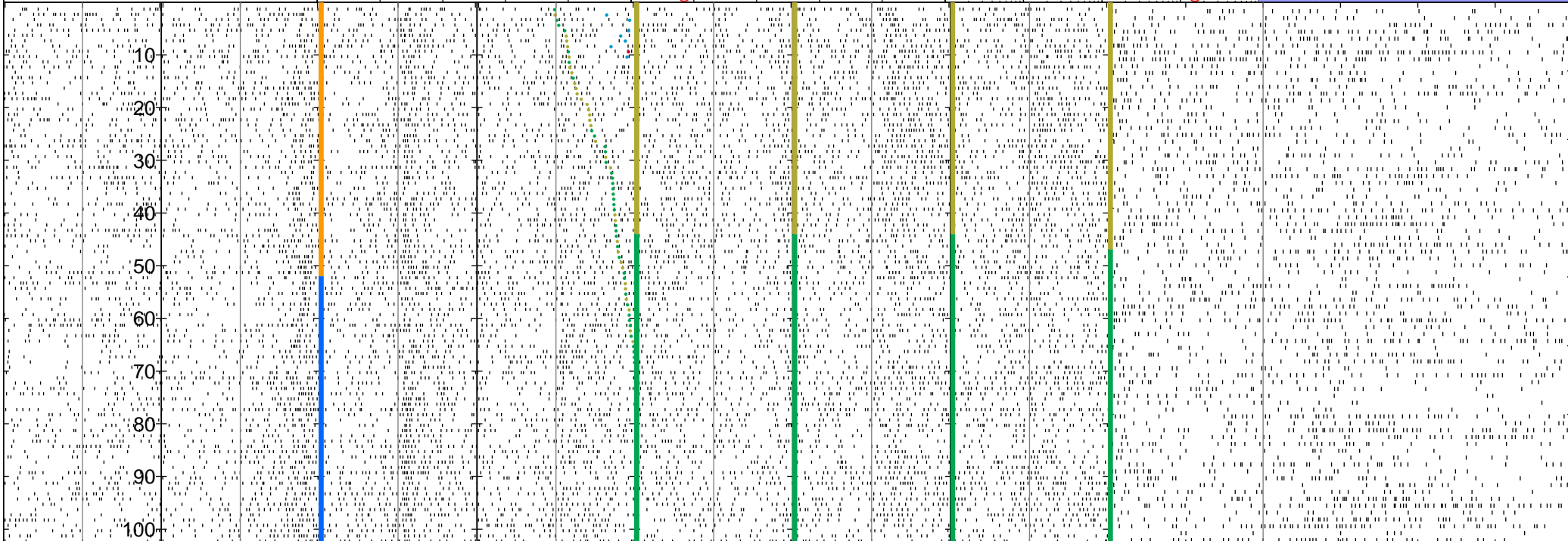
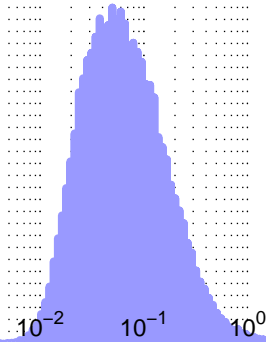
HP/PV



FR/PV



ISI Histogram [2532]



Cell: C0320070618T07F

AP: 0.96 ML: 3.6 DV: 5.6

w: 2 n: 58840 $P_{ISI>2}$: 0.0042

1/2pw: 165 μ s p \rightarrow v: 876 μ s

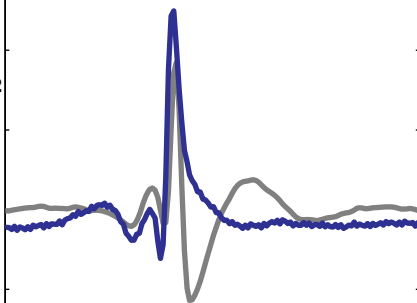
β_T : 2.9 β_D : -2.3

β_P : -2.5 SI: -0.31

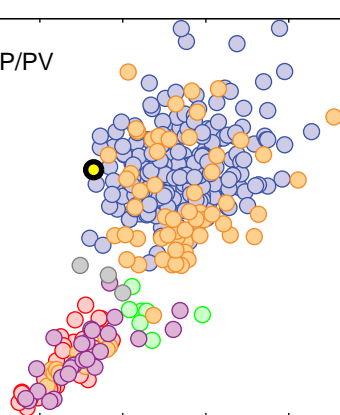
Session FR: 11.7 Hz

Pk Ev: 3 - Tone (Contra)

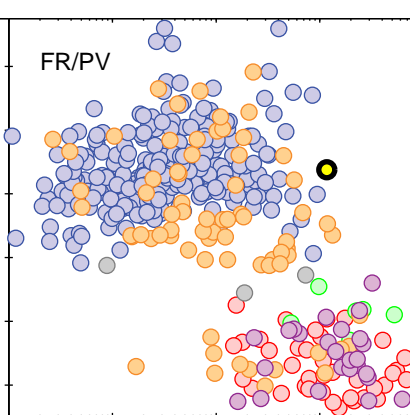
Pk FR: 27.1Hz (0.27s) MSN



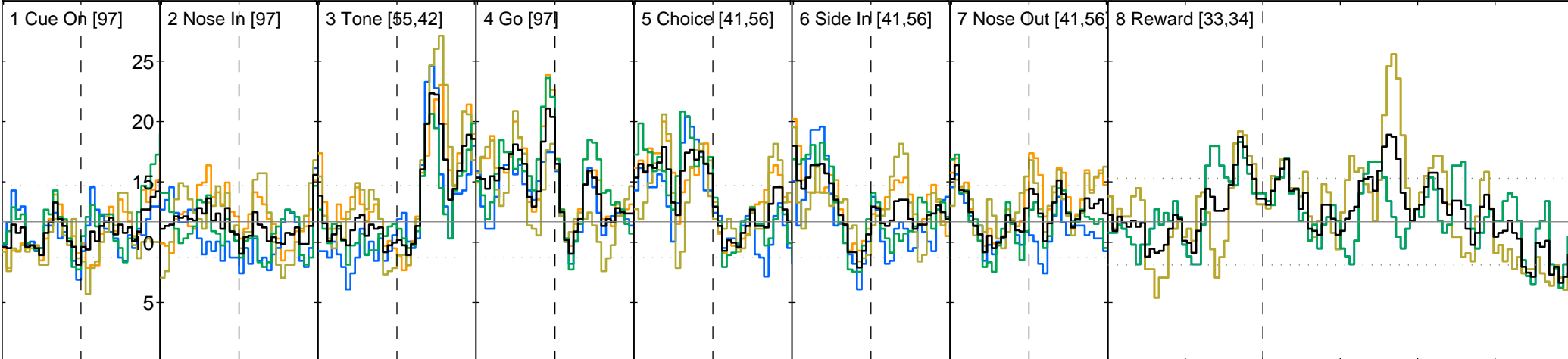
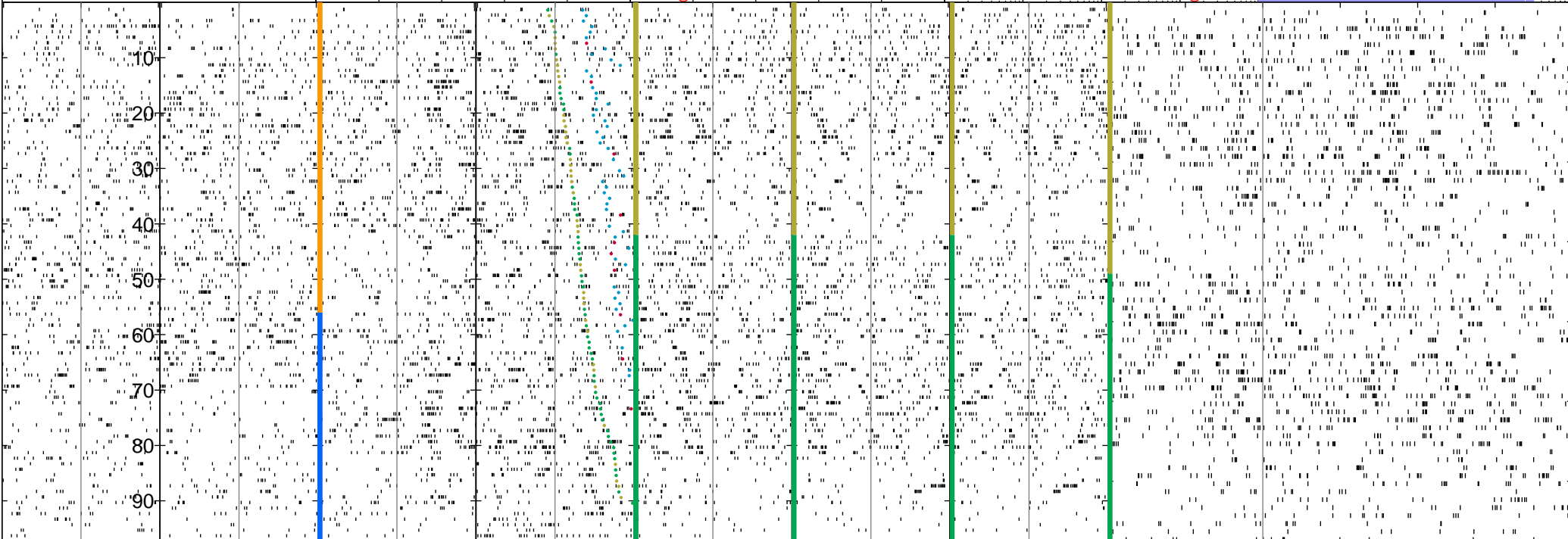
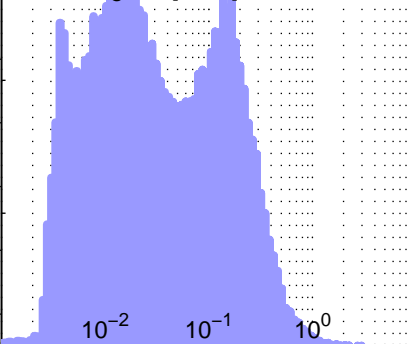
HP/PV



FR/PV



ISI Histogram [1423]



Cell: C0320070630T07b

AP: 0.96 ML: 3.6 DV: 7.5

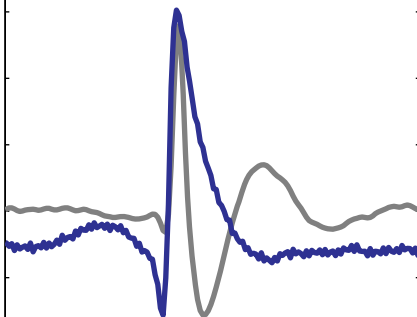
w: 4 n: 6899 $P_{ISI>2}$: 0.181/2pw: 326 μ s p->v: 758 μ s β_T : 2.6 β_D : -2.8 β_P : -2.1 SI: NaN

Session FR: 2.27 Hz

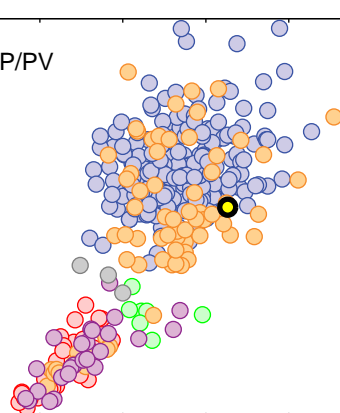
Pk Ev: 5 - Choice (Contra)

Pk FR: 9.52Hz (-0.78s) **MSN**

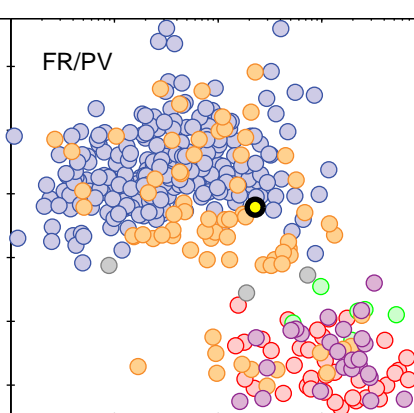
Waveform



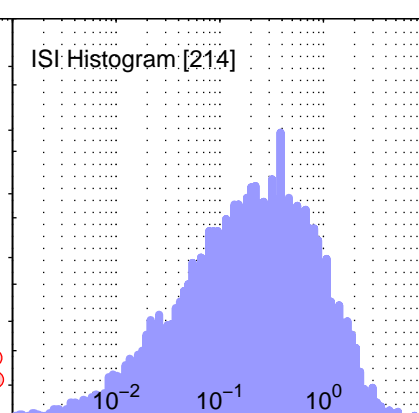
HP/PV



FR/PV



ISI Histogram [214]



10

20

30

40

50

60

70

80

1 Cue On [82]

2 Nose In [82]

3 Tone [38,44]

4 Go [82]

5 Choice [35,47]

6 Side In [35,47]

7 Nose Out [35,47]

8 Reward [26,35]

8

6

4

2

Cell: C1220071022T11c

AP: -2.8 ML: 4.2 DV: 6.6

w: 1 n: 27790 $P_{ISI>2}$: 0.29

1/2pw: 427 μ s p->v: 995 μ s

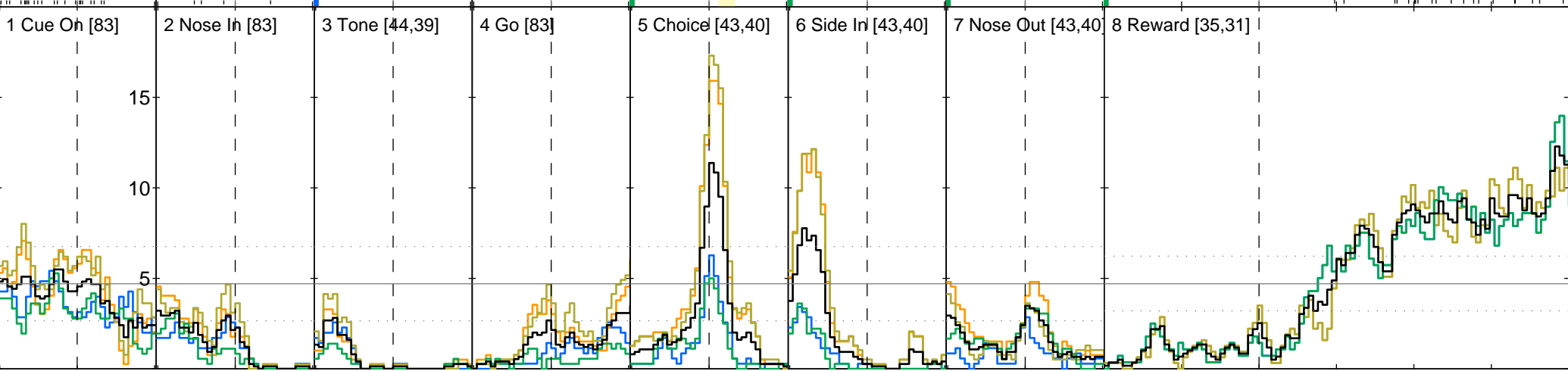
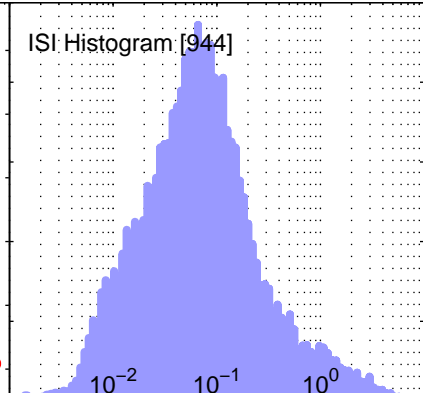
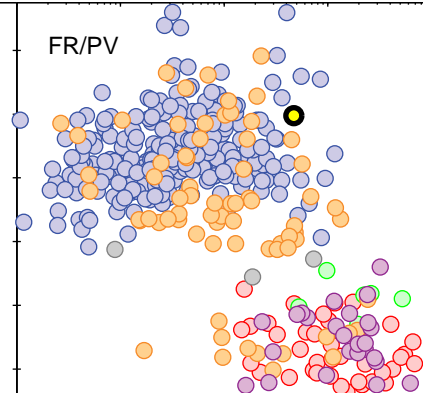
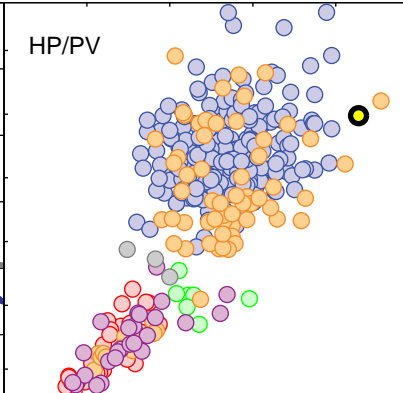
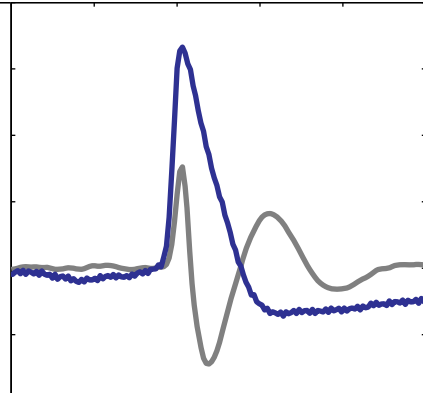
β_T : -1.8 β_D : -3.8

β_P : -3.8 SI: -0.81

Session FR: 4.7 Hz

Pk Ev: 5 - Choice (Contra)

Pk FR: 17.3Hz (0.00s) MSN



Cell: C0520070406T11c

AP: -0.48 ML: 4.6 DV: 4.5

w: 4 n: 2446 $P_{ISI>2}$: 0.93

1/2pw: 293 μ s p->v: 922 μ s

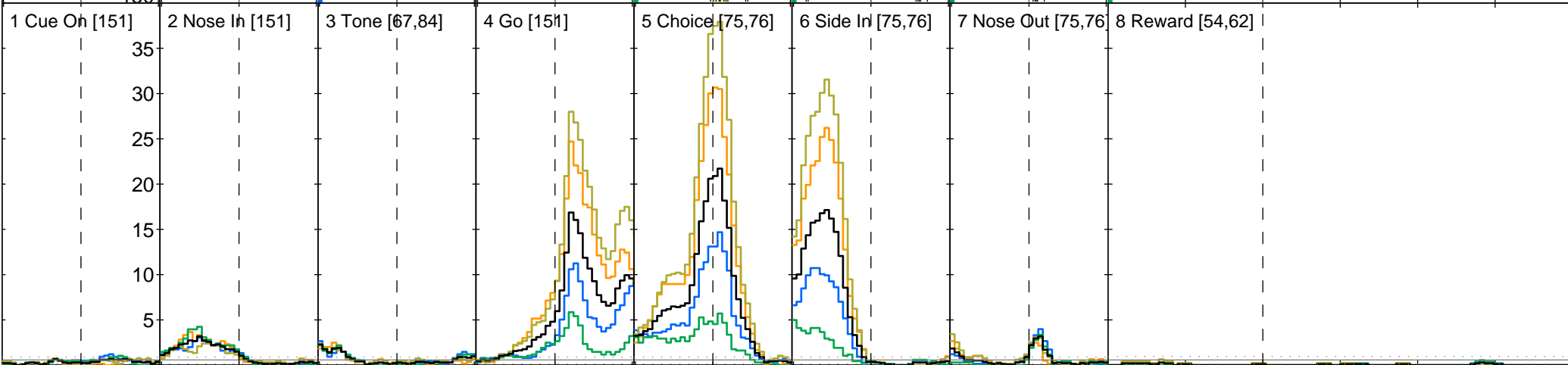
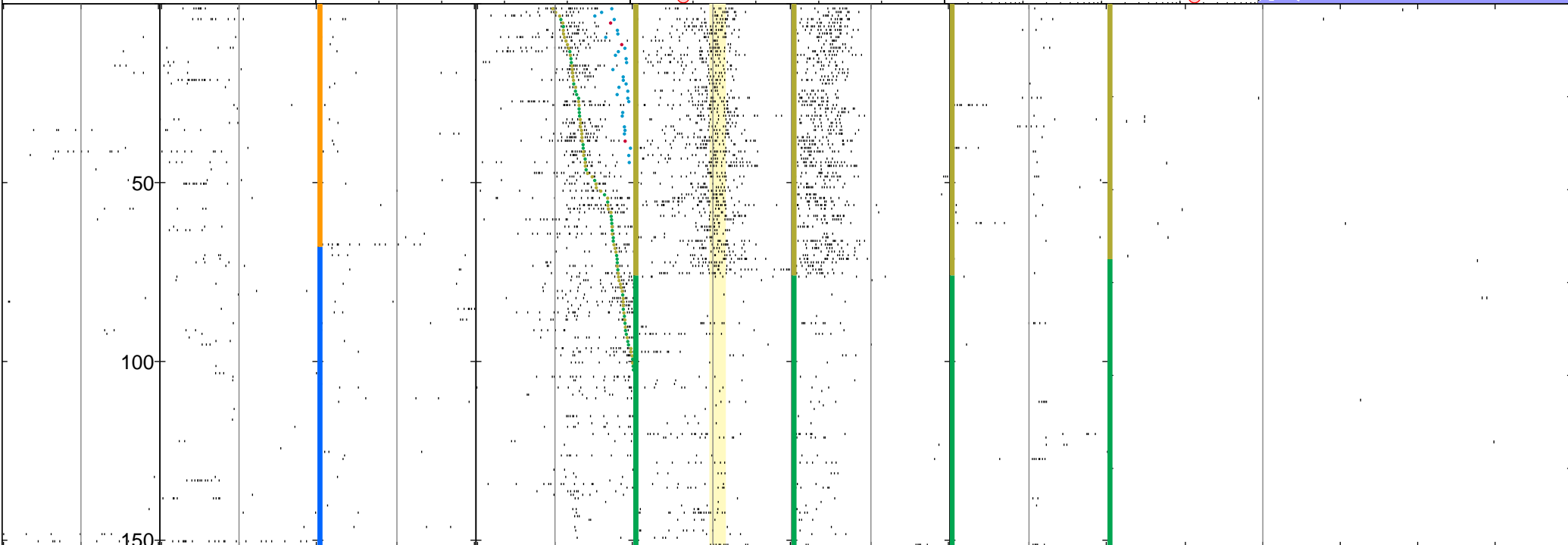
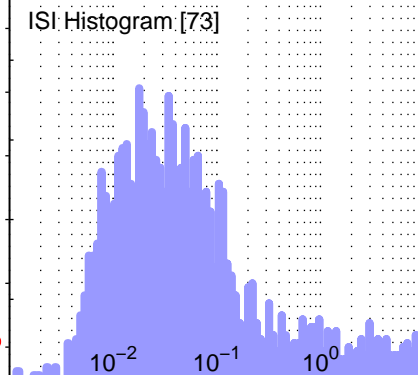
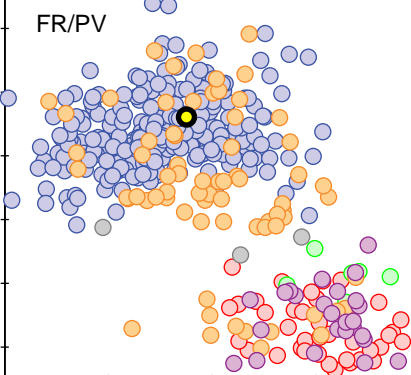
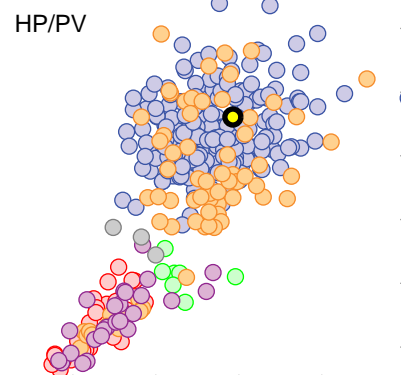
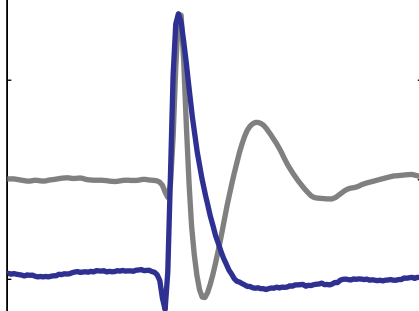
β_T : 1.9 β_D : -9.7

β_P : -5.7 SI: -0.88

Session FR: 0.564 Hz

Pk Ev: 5 - Choice (Contra)

Pk FR: 37.9Hz (0.03s) **MSN**



Cell: C0320070621T07d

AP: 0.96 ML: 3.6 DV: 6

w: 4 n: 4353 $P_{ISI>2}$: 0.77

1/2pw: 302 μ s p->v: 861 μ s

β_T : 3.9 β_D : -9.2

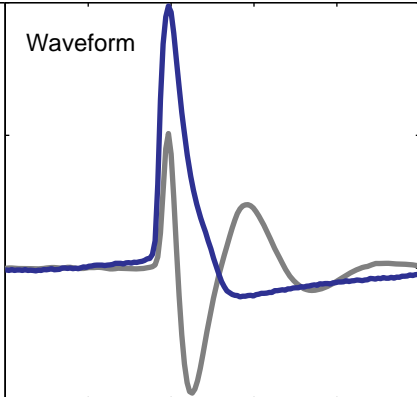
β_P : 2.1 SI: -1

Session FR: 1.42 Hz

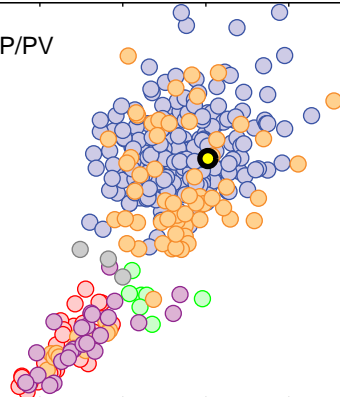
Pk Ev: 5 - Choice (Contra)

Pk FR: 22Hz (0.09s) **MSN**

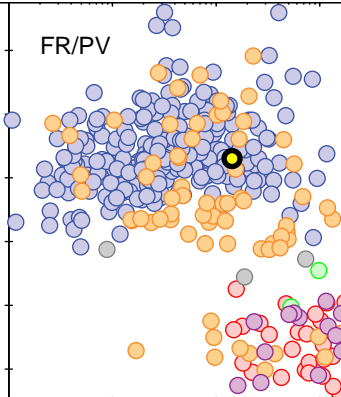
Waveform



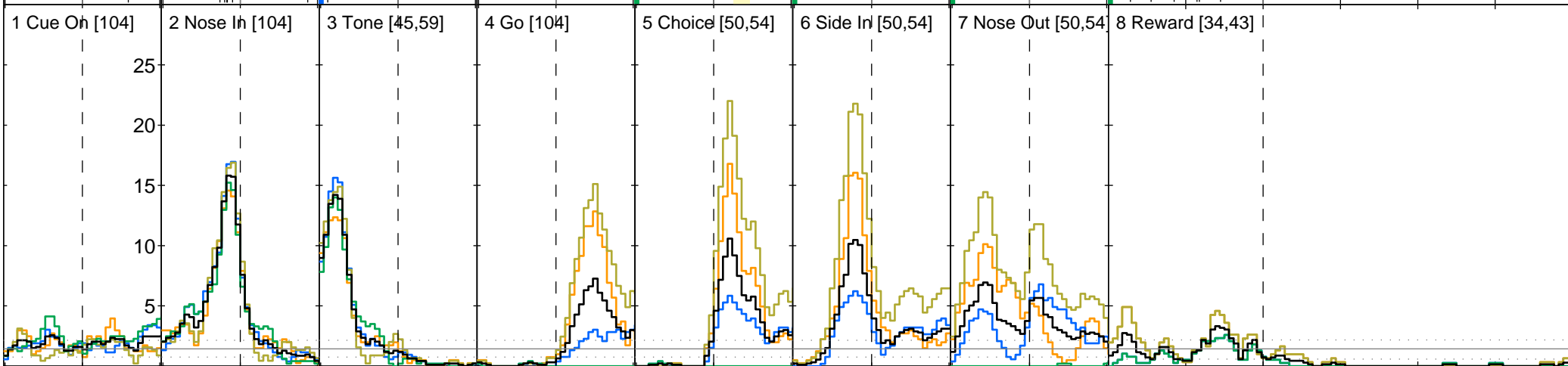
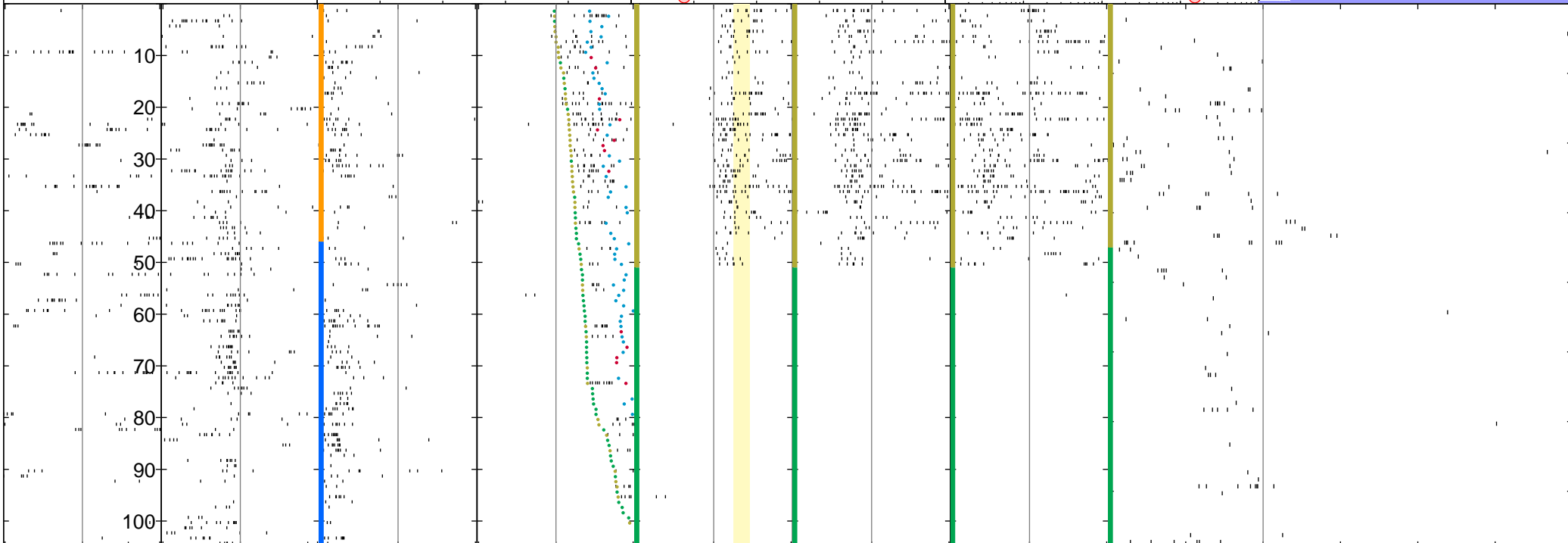
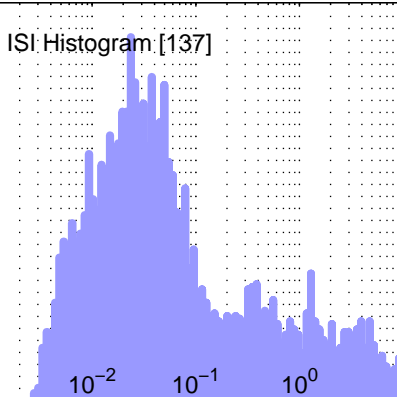
HP/PV



FR/PV



ISI Histogram [137]



Cell: C0320070703T09b

AP: 1.6 ML: 3.7 DV: 6.6

w: 3 n: 25787 $P_{ISI>2}$: 0.0012

1/2pw: 208 μ s p \rightarrow v: 720 μ s

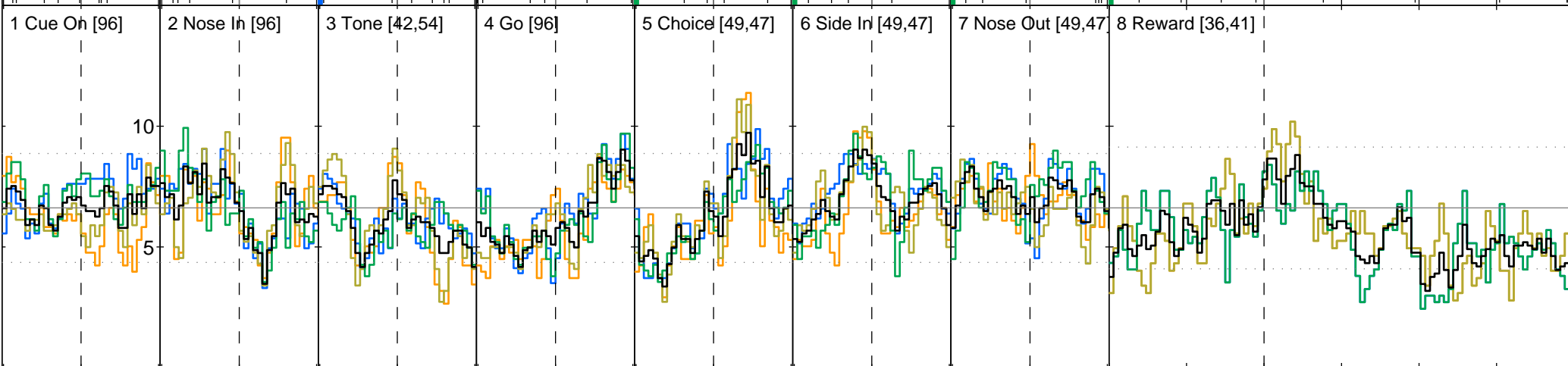
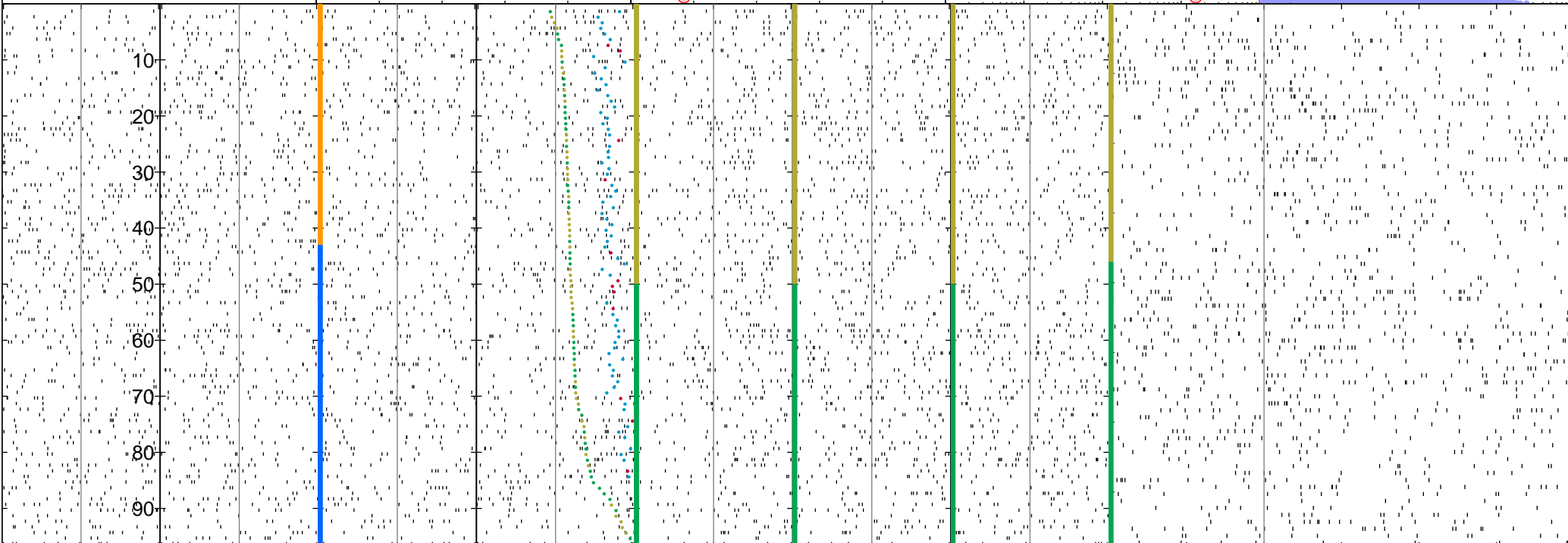
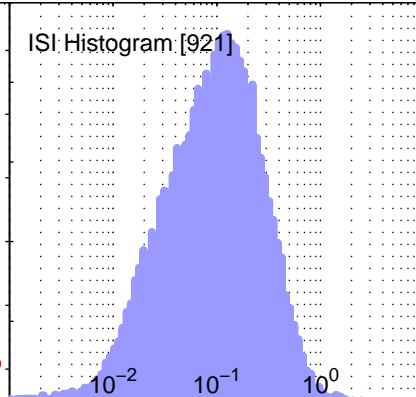
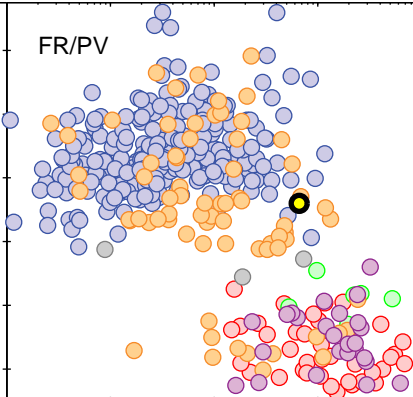
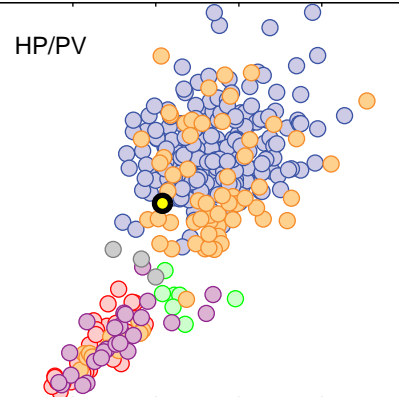
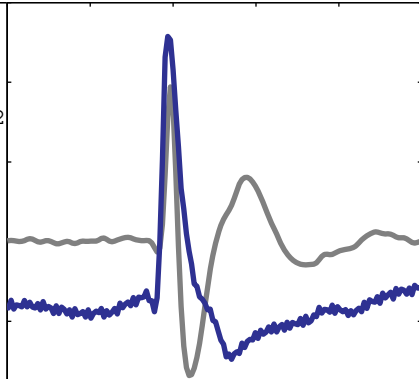
β_T : -2.7 β_D : 2.1

β_P : -2.7 SI: -0.33

Session FR: 6.61 Hz

Pk Ev: 5 - Choice (Tone1)

Pk FR: 11.4Hz (0.21s) MSN



Cell: C0520070402T07b

AP: 1.3 ML: 3.4 DV: 3.4

w: 3 n: 8986 $P_{ISI>2}$: 0.47

1/2pw: 392 μ s p \rightarrow v: 846 μ s

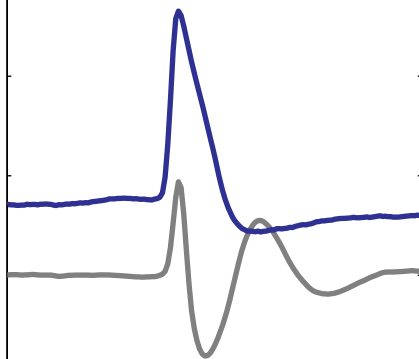
β_T : 3.3 β_D : -7

β_P : 3.1 SI: -0.96

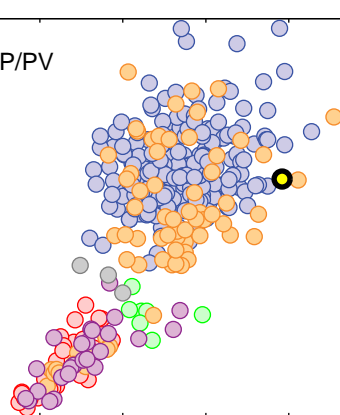
Session FR: 1.97 Hz

Pk Ev: 5 - Choice (Contra)

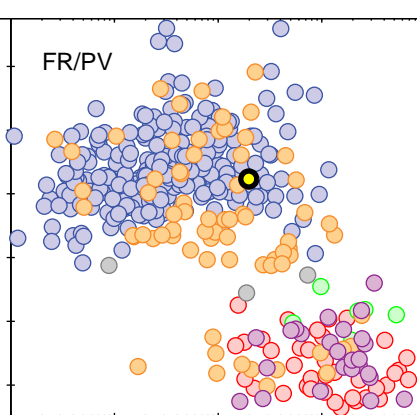
Pk FR: 14.6Hz (0.24s) **MSN**



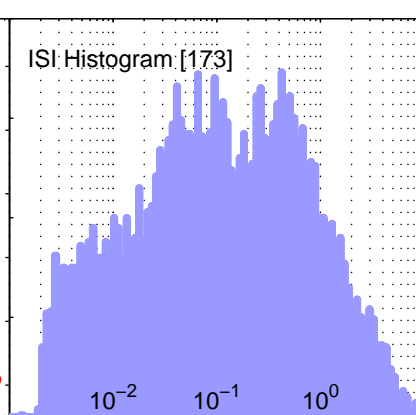
HP/PV



FR/PV



ISI Histogram [173]



20

40

60

80

100

120

140

160

1 Cue On [177]

2 Nose In [177]

3 Tone [84,93]

4 Go [177]

5 Choice [96,81]

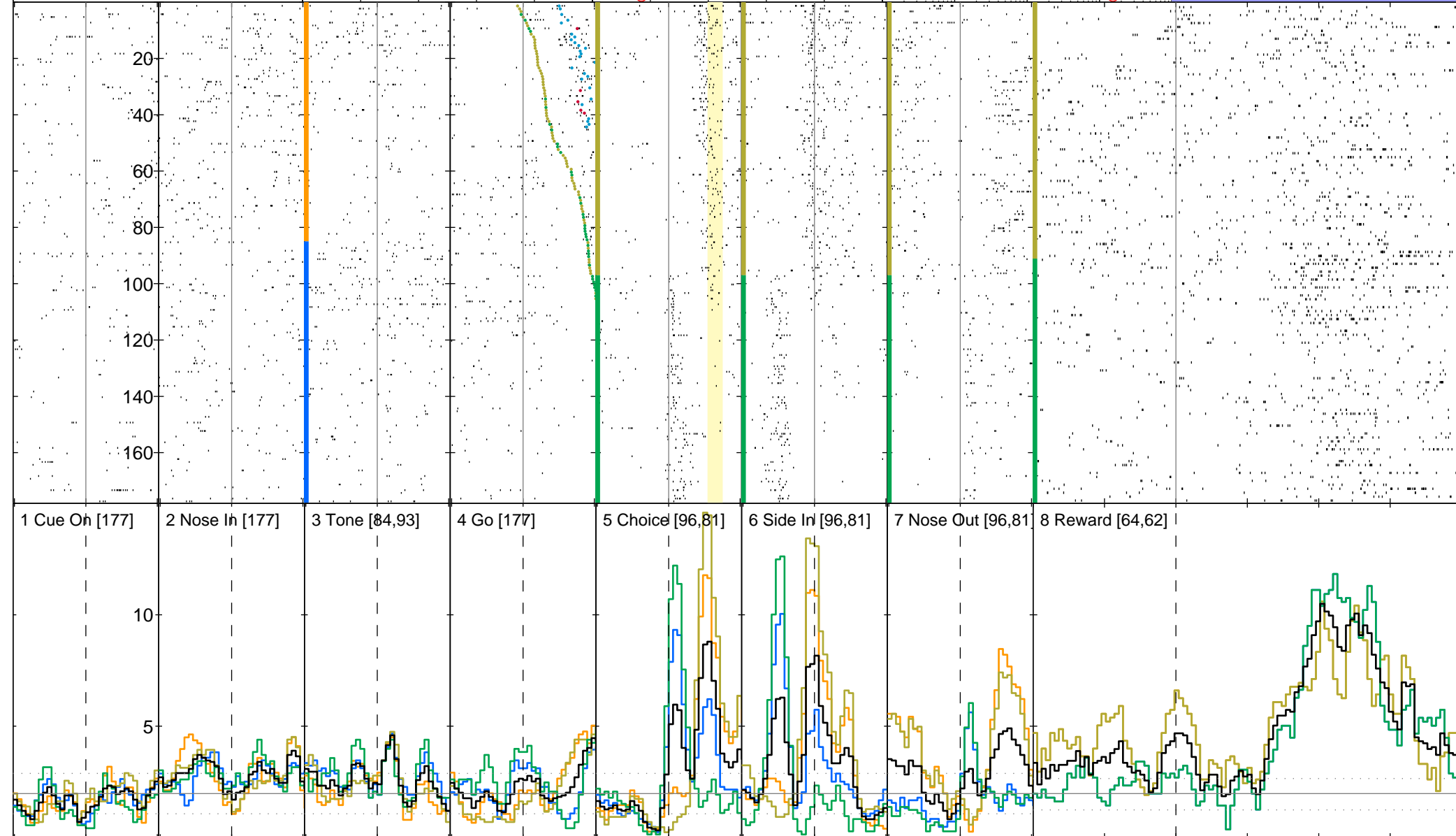
6 Side In [96,81]

7 Nose Out [96,81]

8 Reward [64,62]

10

5



Cell: C0520070406T05a

AP: 2.2 ML: 1.2 DV: 7.6

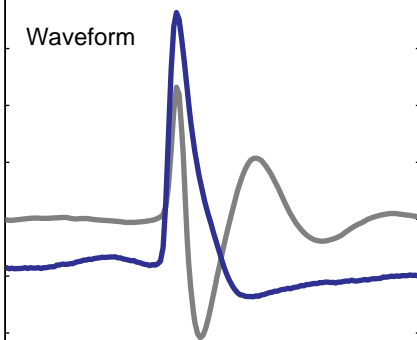
w: 2 n: 17852 $P_{ISI>2}$: 0.41/2pw: 294 μ s p \rightarrow v: 846 μ s β_T : -3.3 β_D : -4.7 β_P : -5.1 SI: 0.46

Session FR: 4.09 Hz

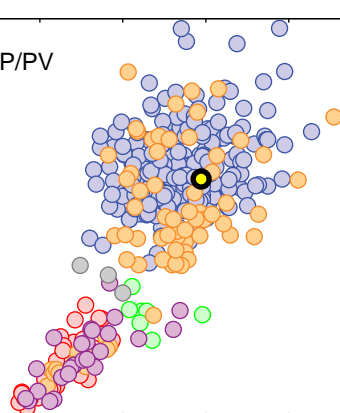
Pk Ev: 5 - Choice (Contra)

Pk FR: 24.7Hz (0.24s) **MSN**

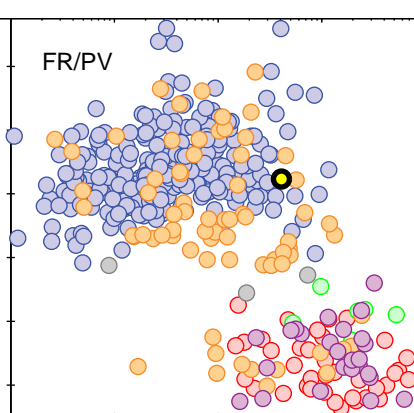
Waveform



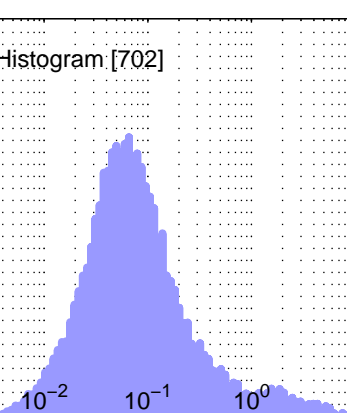
HP/PV



FR/PV



ISI Histogram [702]



50

100

150

1 Cue On [151]

2 Nose In [151]

3 Tone [67,84]

4 Go [151]

5 Choice [75,76]

6 Side In [75,76]

7 Nose Out [75,76]

8 Reward [54,62]

25

20

15

10

5

0

-5

-10

-15

-20

-25

-30

-35

-40

-45

-50

-55

-60

-65

-70

-75

-80

-85

-90

-95

-100

-105

-110

-115

-120

-125

-130

-135

-140

-145

-150

-155

-160

-165

-170

-175

-180

-185

-190

-195

-200

-205

-210

-215

-220

-225

-230

-235

-240

-245

-250

-255

-260

-265

-270

-275

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-365

-370

-375

-380

-385

-390

-395

-400

-405

-410

-415

-420

-425

-430

-435

-440

-445

-450

-455

-460

-465

-470

-475

-480

-485

-490

-495

-500

-505

-510

-515

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-670

-675

-680

-685

-690

-695

-700

-705

-710

-715

-720

-725

-730

-735

-740

-745

-750

-755

-760

-765

-770

-775

-780

-785

-790

-795

-800

-805

-810

-815

-820

-825

-830

-835

-840

-845

-850

-855

-860

-865

-870

-875

-880

-885

-890

-895

-900

-905

-910

-915

-920

-925

-930

-935

-940

-945

-950

-955

-960

-965

-970

-975

-980

-985

-990

-995

-1000

-1005

-1010

-1015

-1020

-1025

-1030

-1035

-1040

-1045

-1050

-1055

-1060

-1065

-1070

-1075

-1080

-1085

-1090

-1095

-1100

-1105

-1110

-1115

-1120

-1125

-1130

-1135

-1140

-1145

-1150

-1155

-1160

-1165

-1170

-1175

-1180

-1185

-1190

-1195

-1200

-1205

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-1550

-1555

-1560

-1565

-1570

-1575

-1580

-1585

-1590

-1595

-1600

-1605

-1610

-1615

-1620

-1625

-1630

-1635

-1640

-1645

-1650

-1655

-1660

-1665

-1670

-1675

-1680

-1685

-1690

-1695

-1700

-1705

Cell: C1220071022T05a

AP: 1.4 ML: 2.1 DV: 6.7

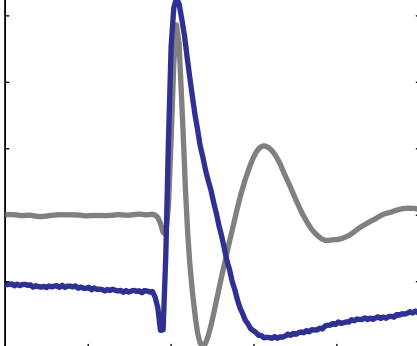
w: 1 n: 5187 $P_{ISI>2}$: 0.871/2pw: 374 μ s p \rightarrow v: 1061 μ s β_T : 1.7 β_D : 3.8 β_P : 1.8 SI: 1

Session FR: 0.878 Hz

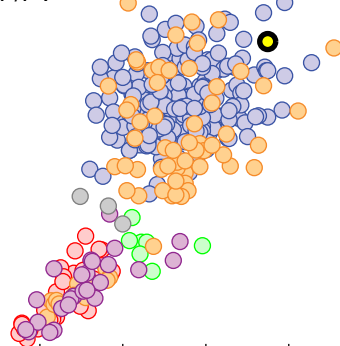
Pk Ev: 5 - Choice (Ipsi)

Pk FR: 6.67Hz (0.3s) **MSN**

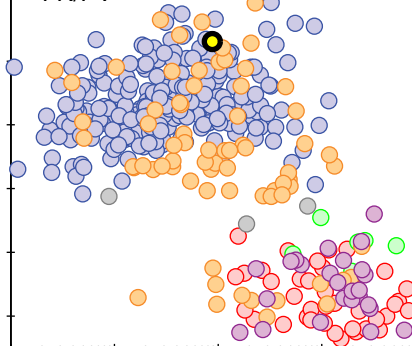
Waveform



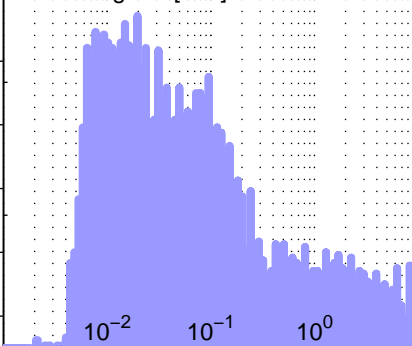
HP/PV



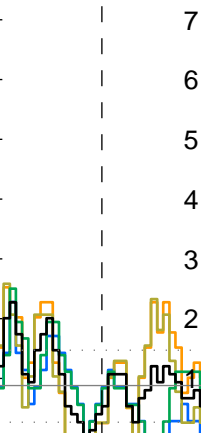
FR/PV



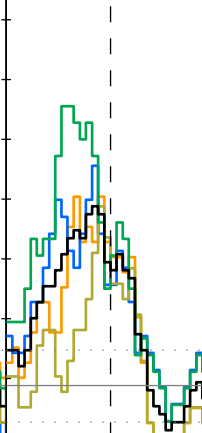
ISI Histogram [125]

10
20
30
40
50
60
70
80

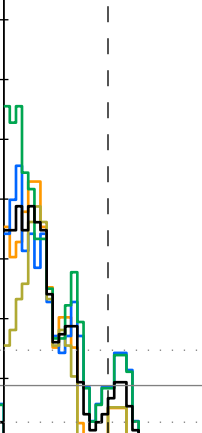
1 Cue On [83]



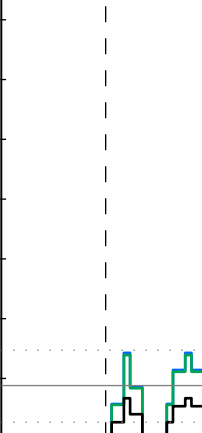
2 Nose In [83]



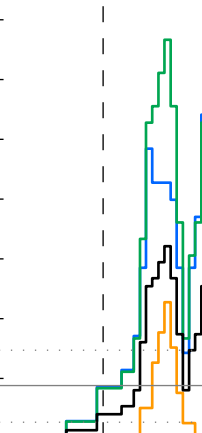
3 Tone [44,39]



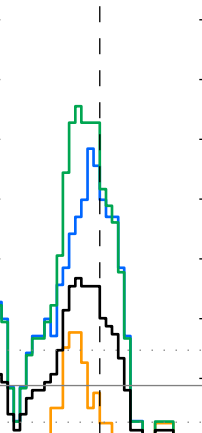
4 Go [83]



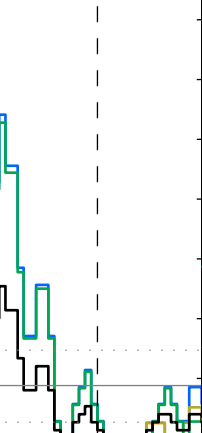
5 Choice [43,40]



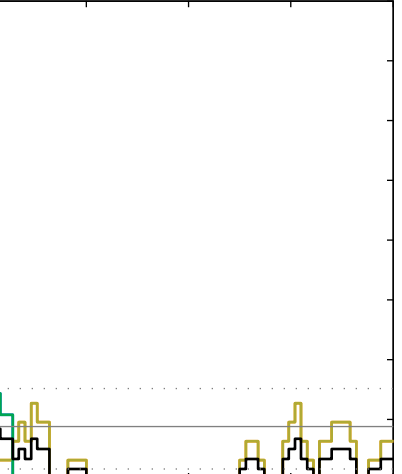
6 Side In [43,40]



7 Nose Out [43,40]



8 Reward [35,31]



Cell: C0520070405T06a

AP: 1.9 ML: 1.5 DV: 8

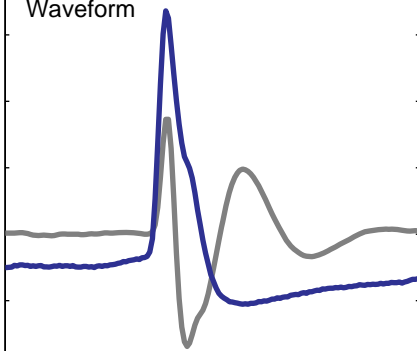
w: 3 n: 14077 $P_{ISI>2}$: 0.721/2pw: 274 μ s p \rightarrow v: 922 μ s β_T : 2.9 β_D : 7.7 β_P : -5.2 SI: 0.49

Session FR: 3.21 Hz

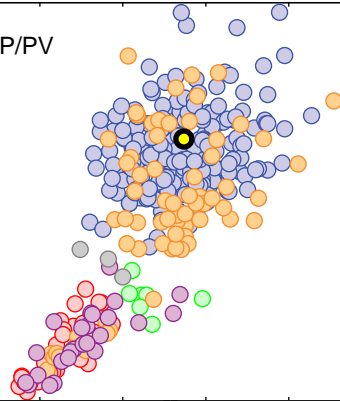
Pk Ev: 6 - Side In (Ipsi)

Pk FR: 36.9Hz (-0.03s) **MSN**

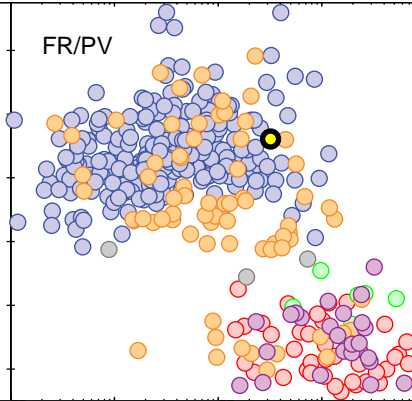
Waveform



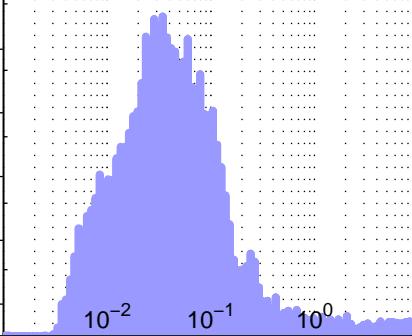
HP/PV



FR/PV



ISI Histogram [481]



20

40

60

80

100

120

140

160

180

200

1 Cue On [179]

2 Nose In [179]

3 Tone [80,99]

4 Go [179]

5 Choice [80,99]

6 Side In [80,99]

7 Nose Out [80,99]

8 Reward [54,73]

35

30

25

20

15

10

5



Cell: C0320070611T09a

AP: 1.6 ML: 3.7 DV: 4.7

w: 1 n: 19318 $P_{ISI>2}$: 0.38

1/2pw: 334 μ s p->v: 861 μ s

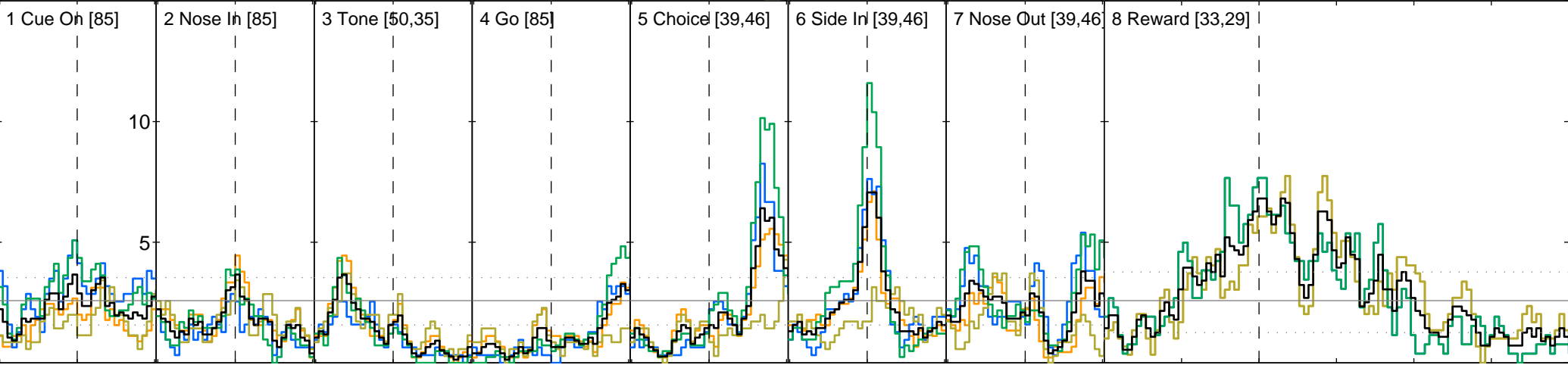
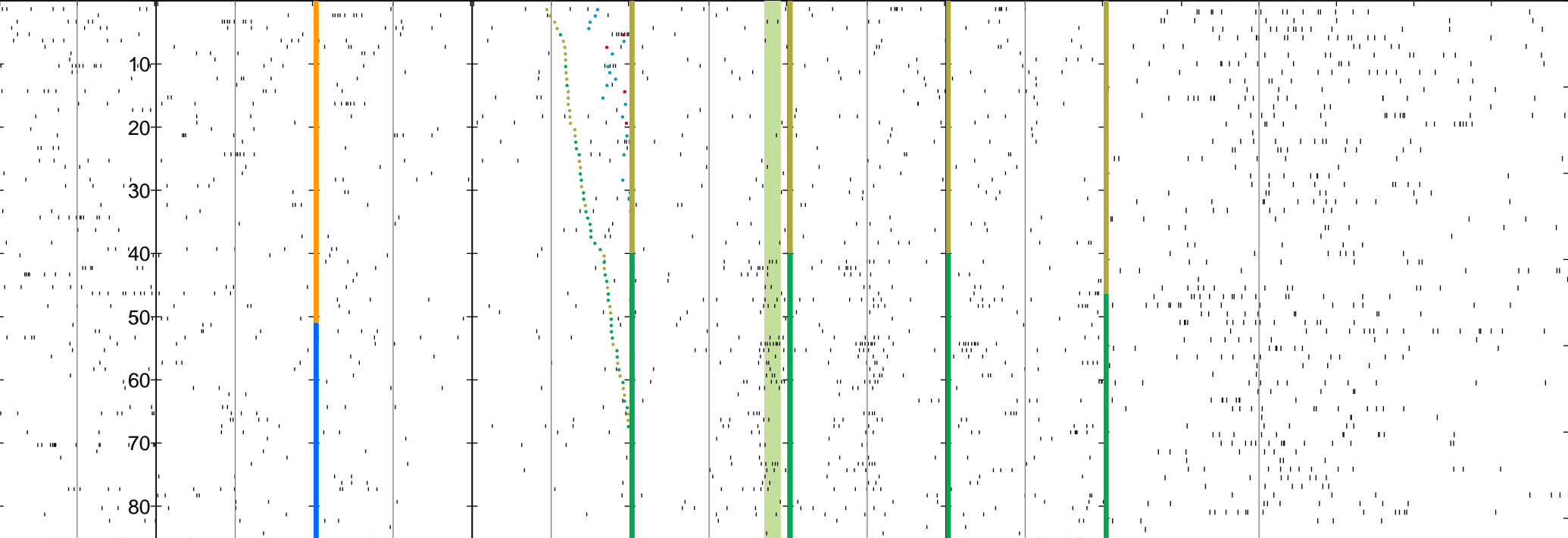
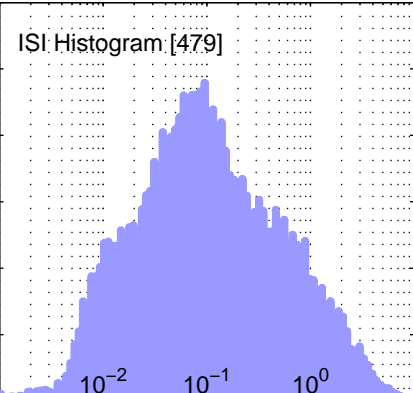
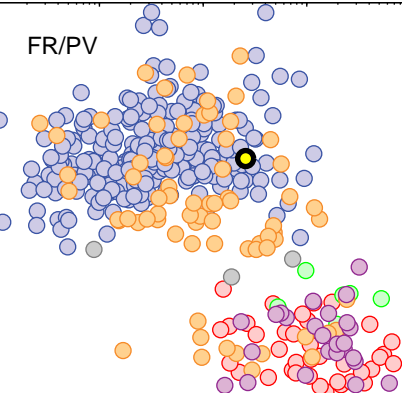
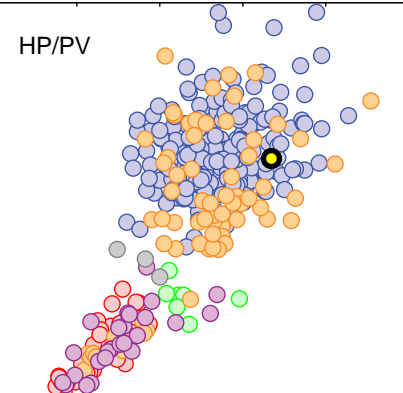
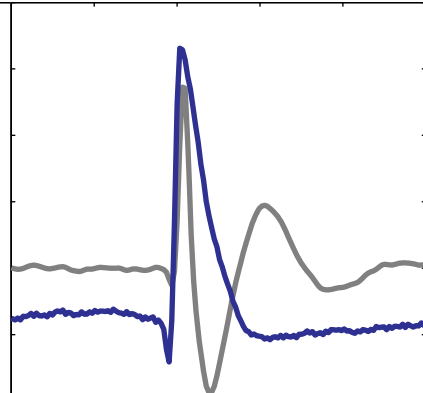
β_T : -2.3 β_D : 5

β_P : -3.6 SI: 0.74

Session FR: 2.58 Hz

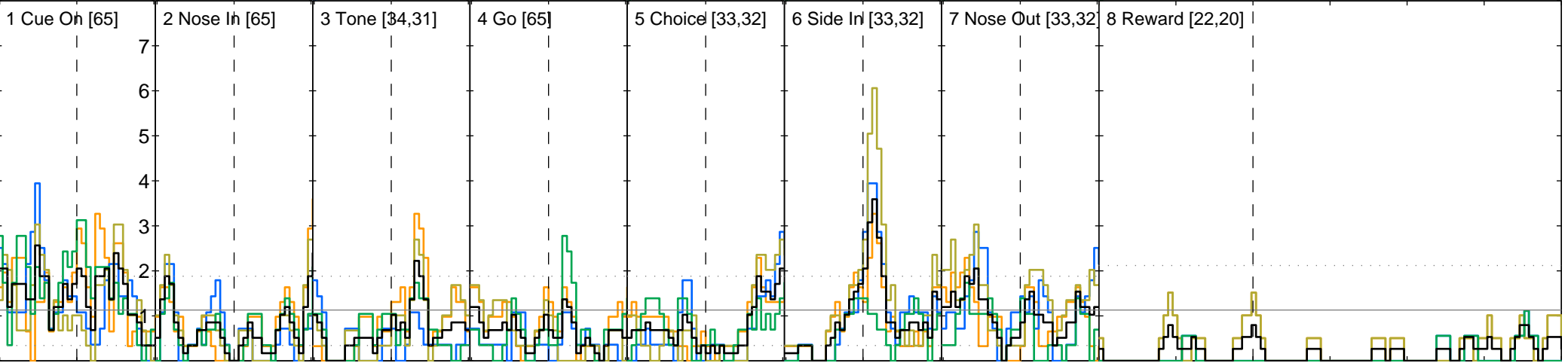
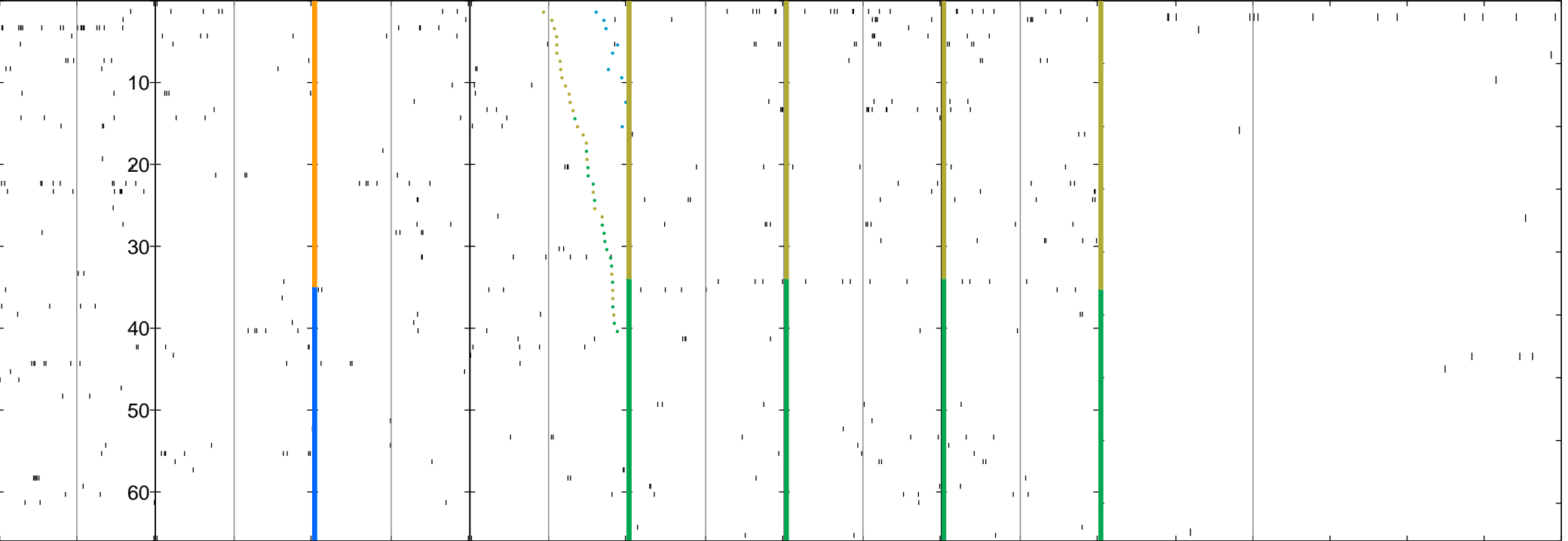
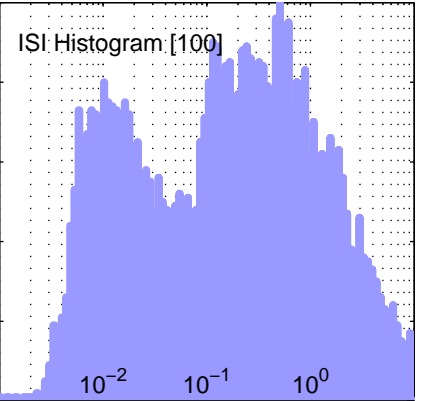
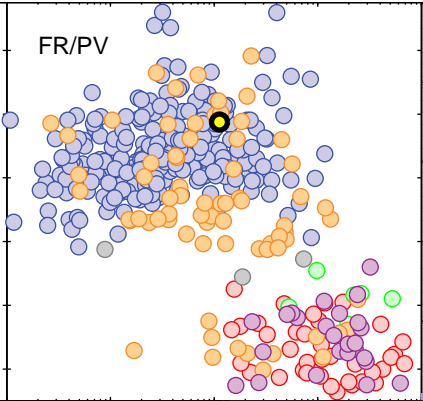
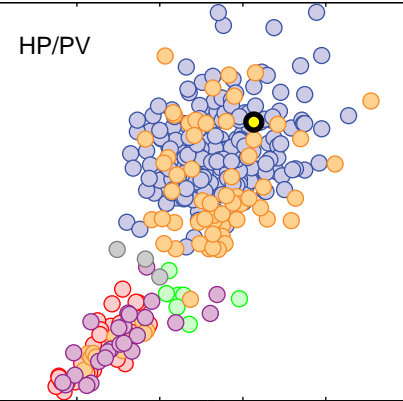
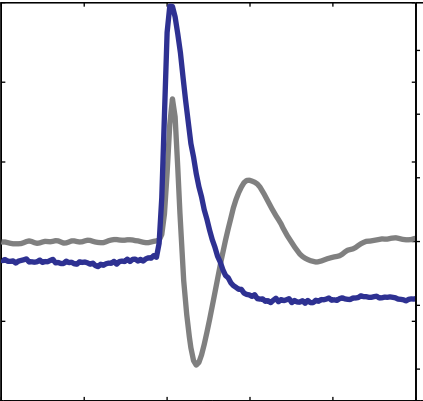
Pk Ev: 6 - Side In (Ipsi)

Pk FR: 11.6Hz (0.00s) **MSN**



Cell: C0420070310T05b

AP: 2.5 ML: 1.3 DV: 6.4
w: 2 n: 5106 $P_{ISI>2}$: 0.67
1/2pw: 314 μ s p->v: 974 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: -0.71
Session FR: 1.13 Hz
Pk Ev: 6 - Side In (Contra)
Pk FR: 6.06Hz (0.06s) **MSN**



Cell: C0420070226T04a

AP: 2.5 ML: 1.8 DV: 5.7

w: 1 n: 59094 $P_{ISI>2}$: 0.0014

1/2pw: 254 μ s p \rightarrow v: 798 μ s

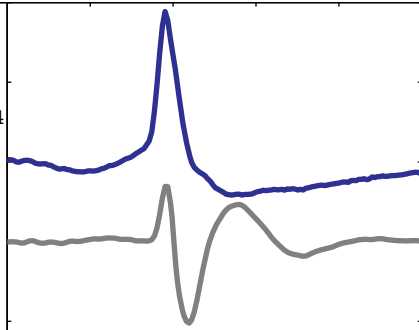
β_T : -2.4 β_D : 2.8

β_P : 2.5 SI: -0.47

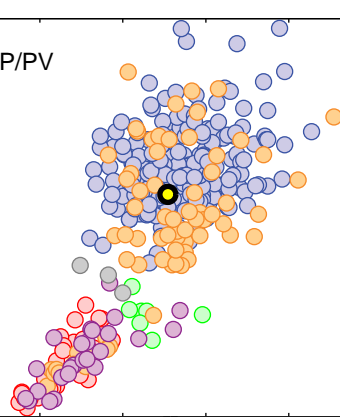
Session FR: 9.47 Hz

Pk Ev: 6 - Side In (Tone1)

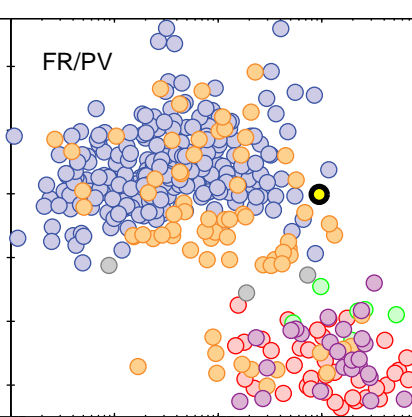
Pk FR: 20.9Hz (0.21s) **MSN**



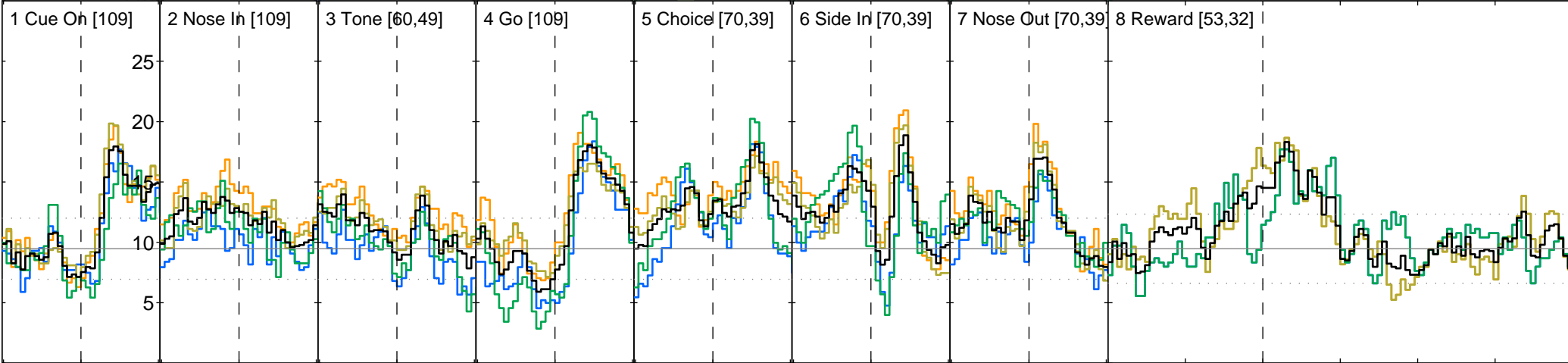
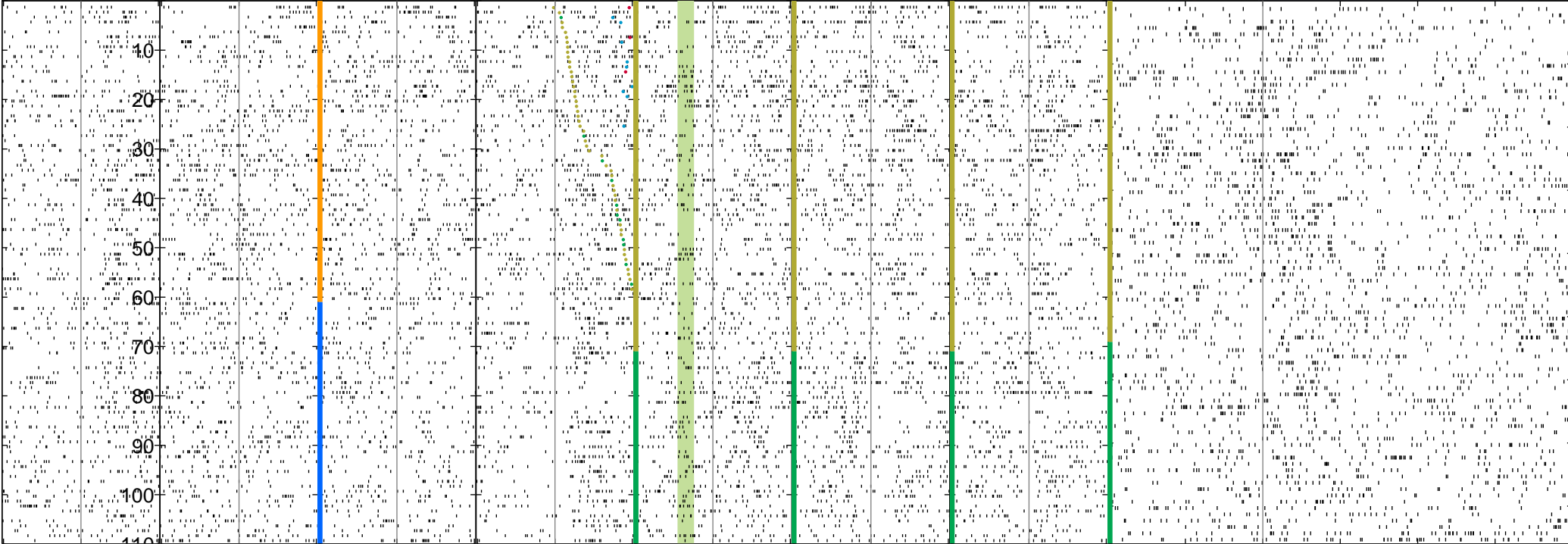
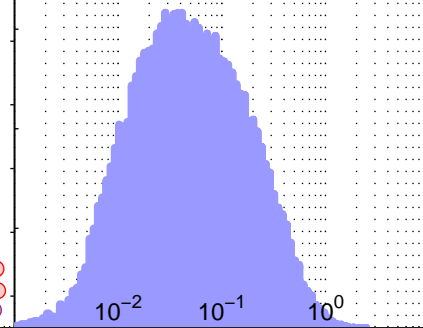
HP/PV



FR/PV



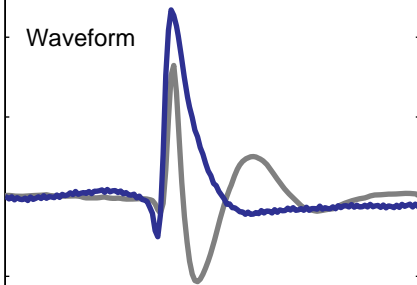
ISI Histogram [1582]



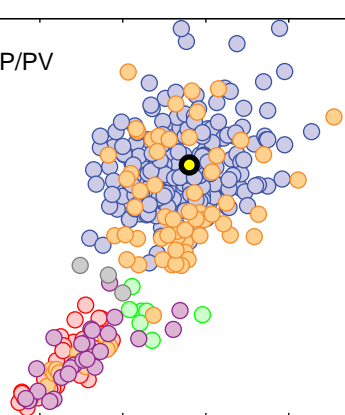
Cell: C0320070619T09a

AP: 1.6 ML: 3.7 DV: 5
w: 1 n: 4286 $P_{ISI>2}$: 0.68
1/2pw: 280 μ s p->v: 891 μ s
 β_T : -2.7 β_D : 4.4
 β_P : -1.6 SI: 0.86
Session FR: 1.01 Hz
Pk Ev: 6 - Side In (Ipsi)
Pk FR: 6.15Hz (0.24s) **MSN**

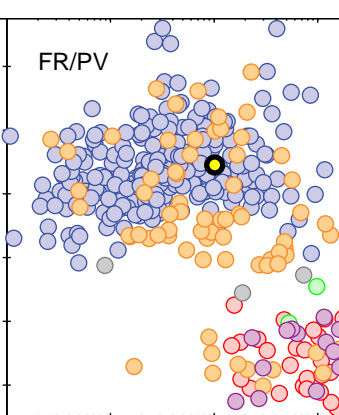
Waveform



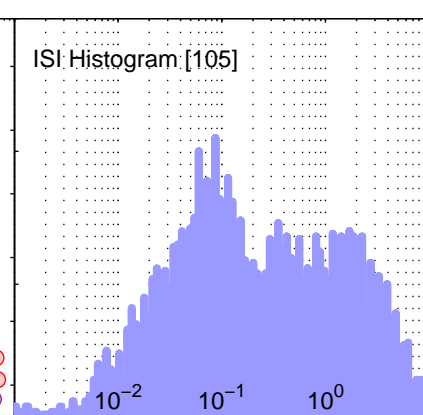
HP/PV



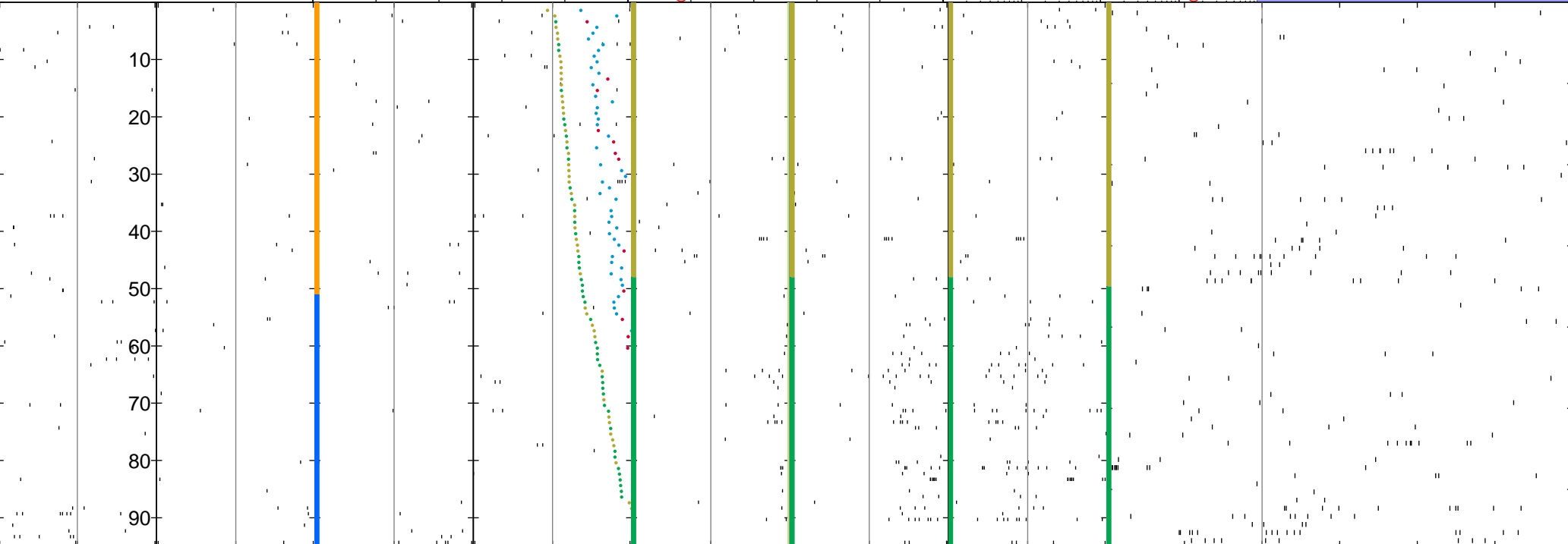
FR/PV



ISI Histogram [105]

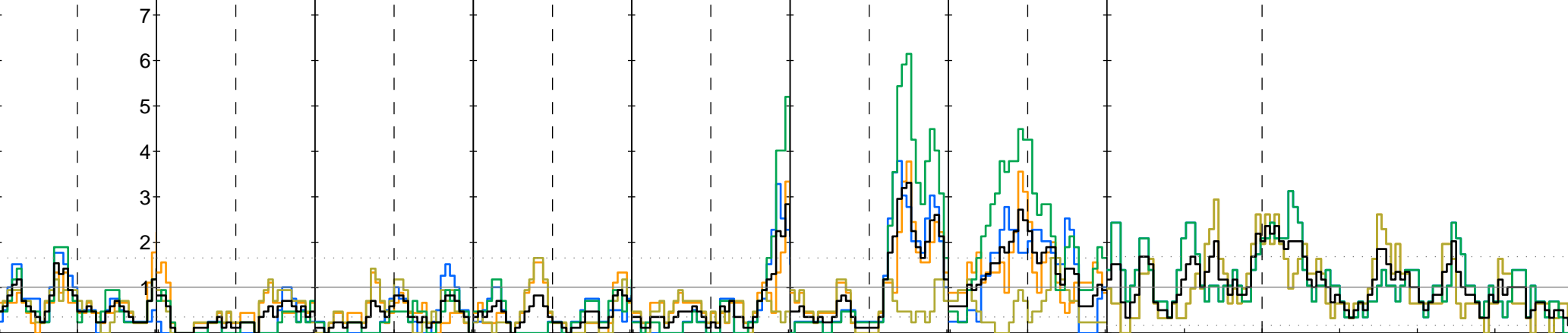


10
20
30
40
50
60
70
80
90



1 Cue On [94] 2 Nose In [94] 3 Tone [50,44] 4 Go [94] 5 Choice [47,47] 6 Side In [47,47] 7 Nose Out [47,47] 8 Reward [34,32]

7
6
5
4
3
2
1



Cell: C0320070630T06a

AP: 1.7 ML: 1.3 DV: 7.5

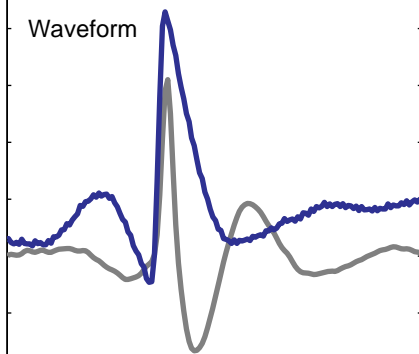
w: 4 n: 2457 $P_{ISI>2}$: 0.641/2pw: 317 μ s p->v: 806 μ s β_T : -2.5 β_D : -2.9 β_P : 3.1 SI: NaN

Session FR: 0.81 Hz

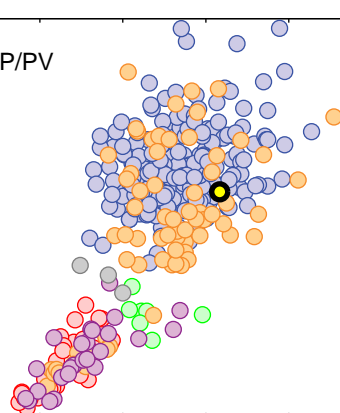
Pk Ev: 6 - Side In (Ipsi)

Pk FR: 7.8Hz (1.14s) **MSN**

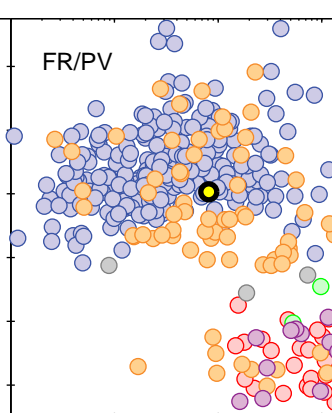
Waveform



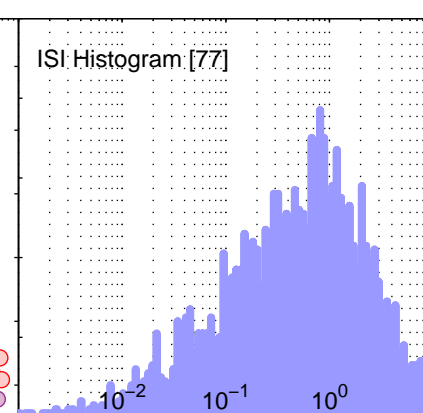
HP/PV



FR/PV



ISI Histogram [77]



10

20

30

40

50

60

70

80

1 Cue On [82]

2 Nose In [82]

3 Tone [38,44]

4 Go [82]

5 Choice [35,47]

6 Side In [35,47]

7 Nose Out [35,47]

8 Reward [26,35]

7

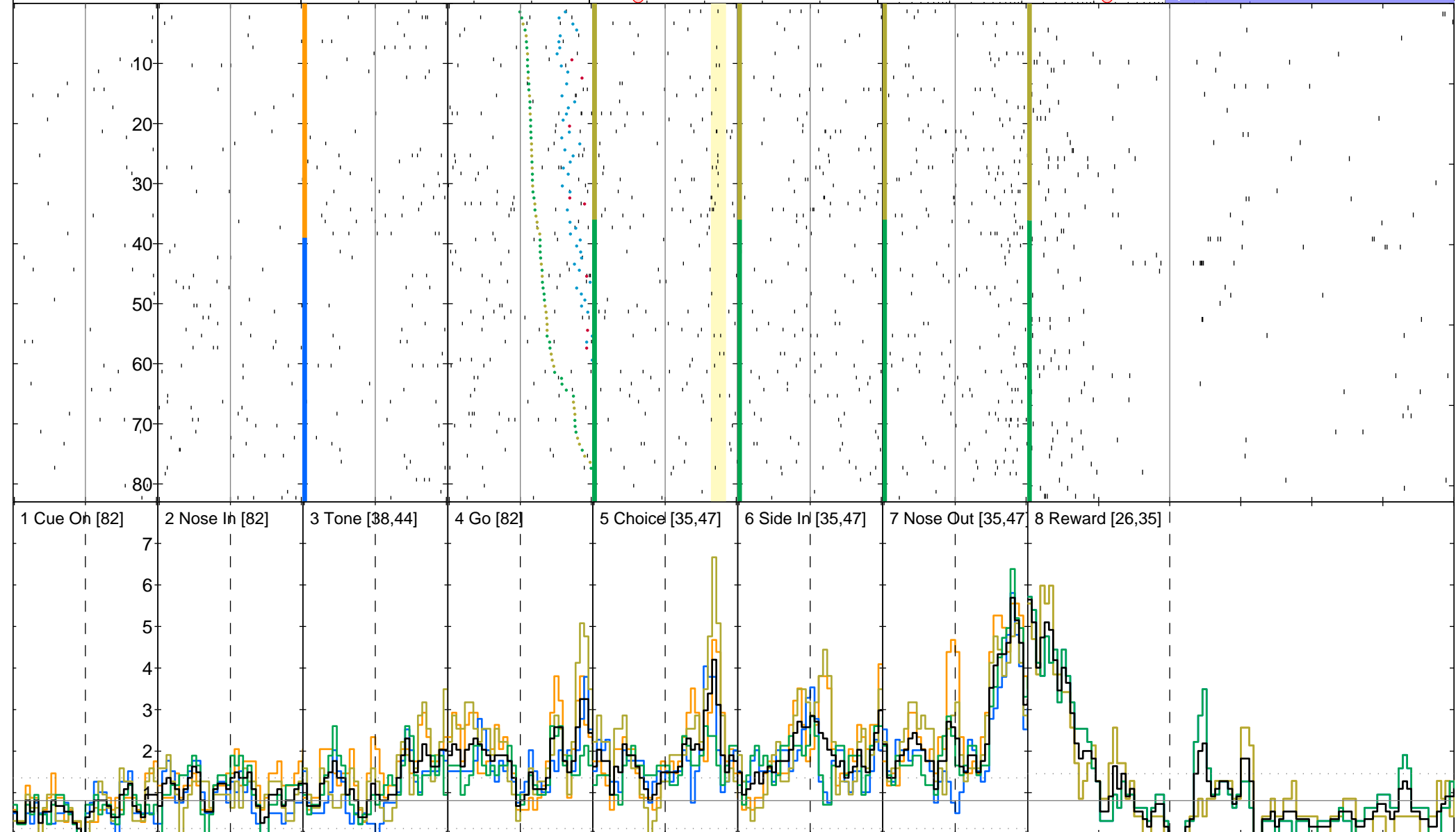
6

5

4

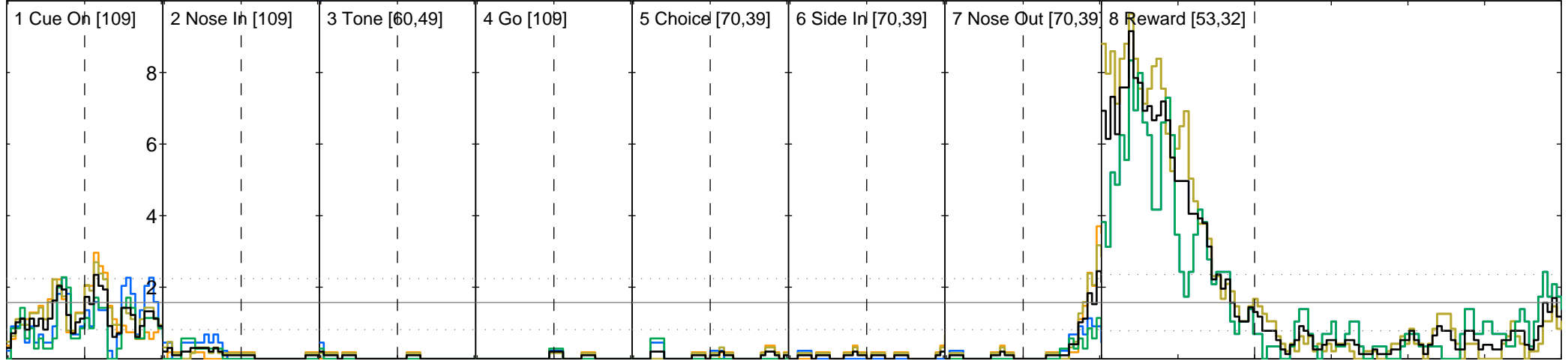
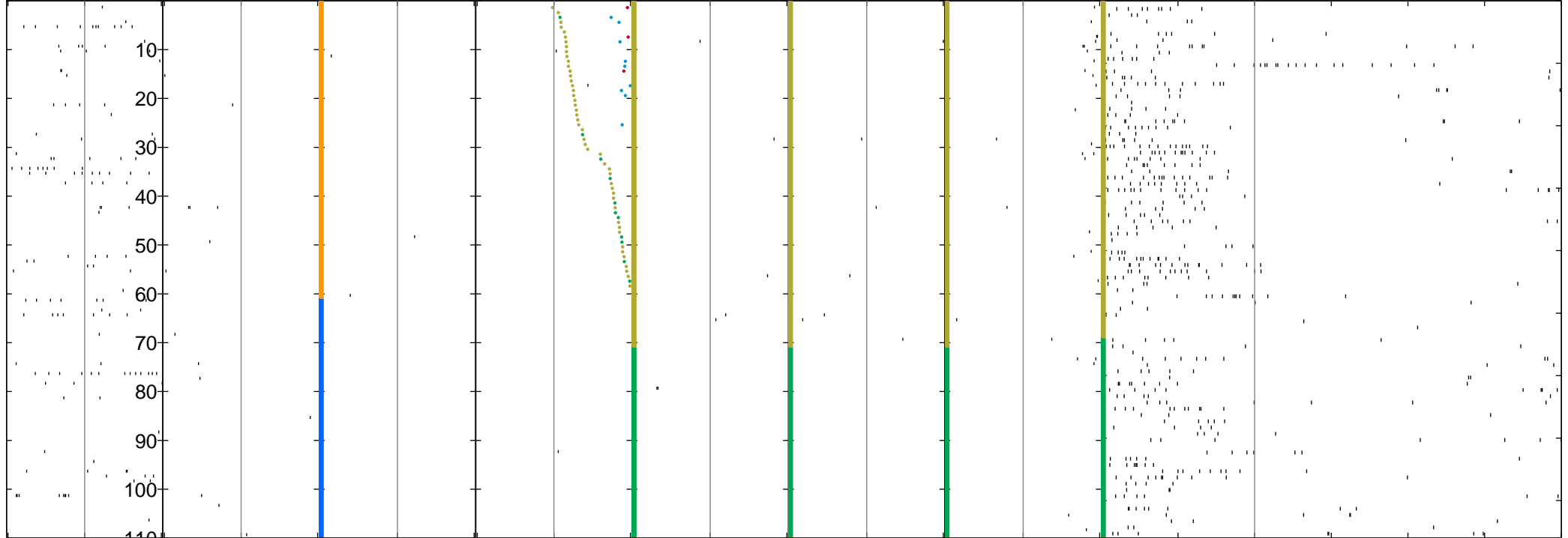
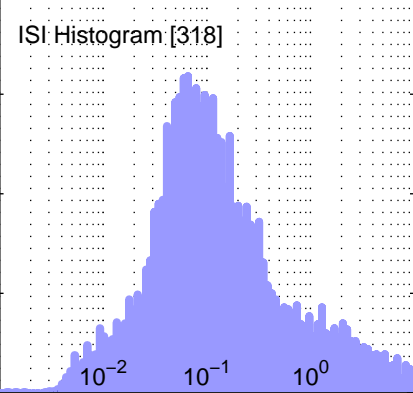
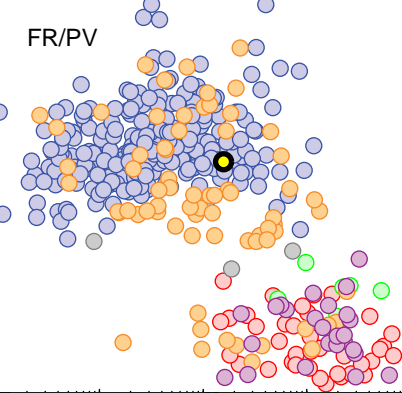
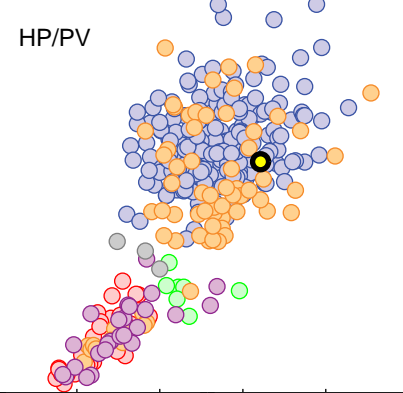
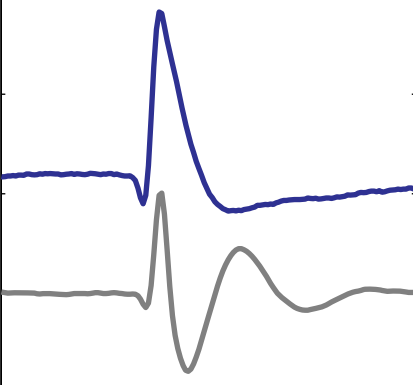
3

2



Cell: C0420070226T04b

AP: 2.5 ML: 1.8 DV: 5.7
w: 1 n: 9822 $P_{ISI>2}$: 0.67
1/2pw: 322 μ s p->v: 826 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 1.57 Hz
Pk Ev: 6 - Side In (Tone1)
Pk FR: 11.1Hz (1.23s) **MSN**



Cell: C0420070301T05b

AP: 2.5 ML: 1.3 DV: 6.3

w: 3 n: 13176 $P_{ISI>2}$: 0.012

1/2pw: 272 μ s p \rightarrow v: 1051 μ s

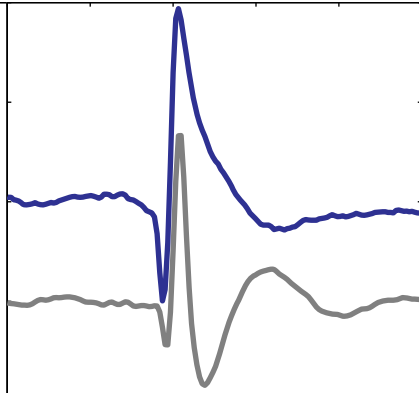
β_T : 3.1 β_D : 2.5

β_P : -3.5 SI: 0.43

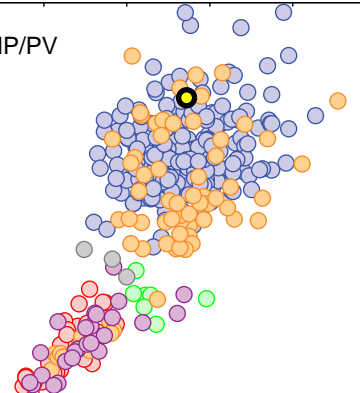
Session FR: 3.61 Hz

Pk Ev: 6 - Side In (Contra)

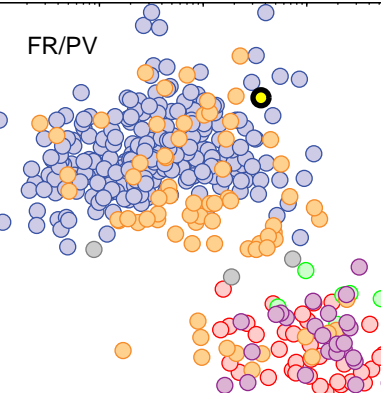
Pk FR: 9.26Hz (1.32s) **MSN**



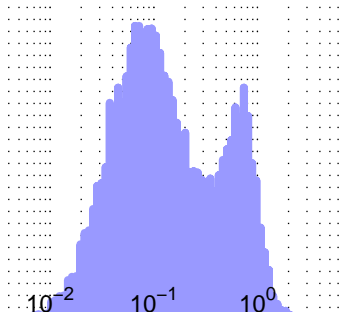
HP/PV



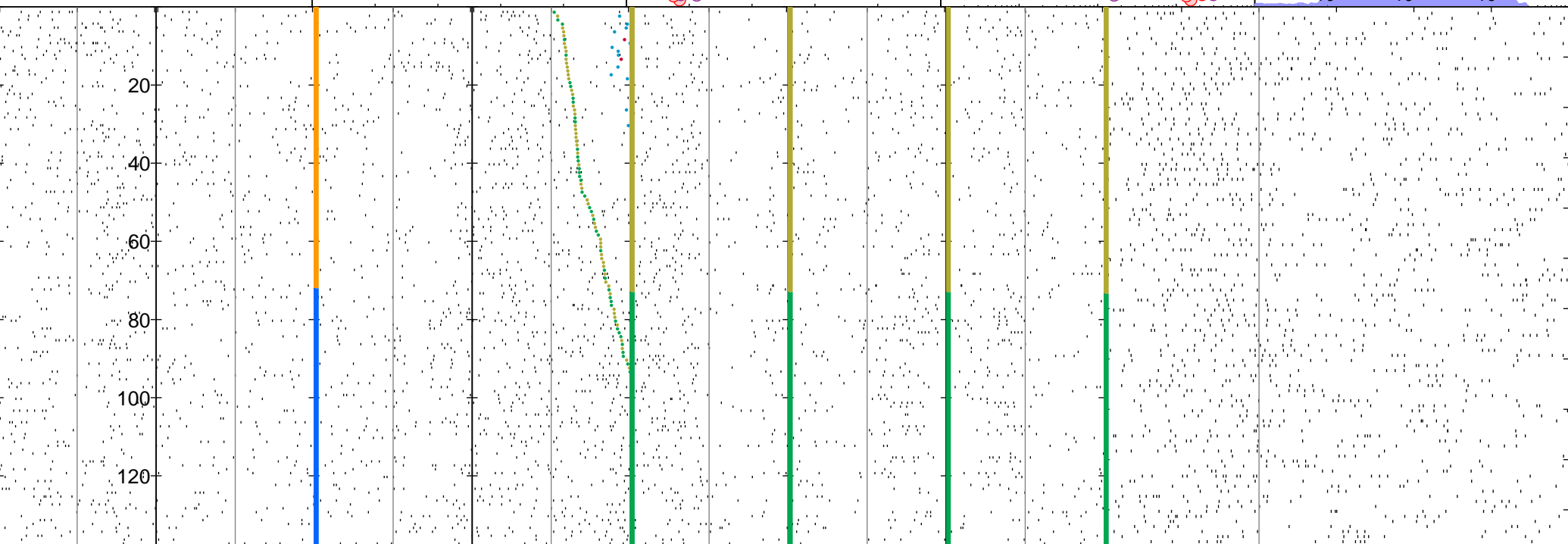
FR/PV



ISI Histogram [443]

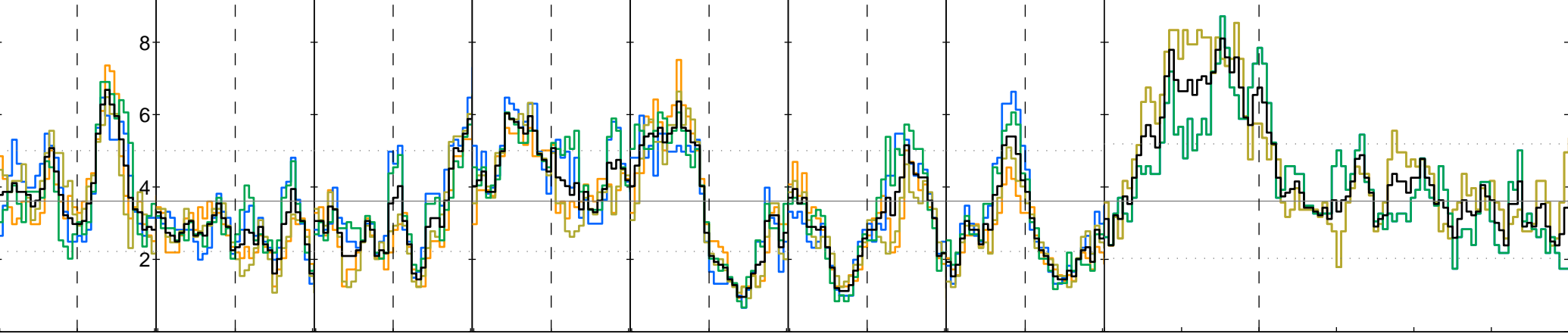


20
40
60
80
100
120



1 Cue On [138] 2 Nose In [138] 3 Tone [71,67] 4 Go [138] 5 Choice [72,66] 6 Side In [72,66] 7 Nose Out [72,66] 8 Reward [56,51]

8
6
4
2



Cell: C0420070310T05a

AP: 2.5 ML: 1.3 DV: 6.4

w: 2 n: 8587 $P_{ISI>2}$: 0.61

1/2pw: 246 μ s p->v: 888 μ s

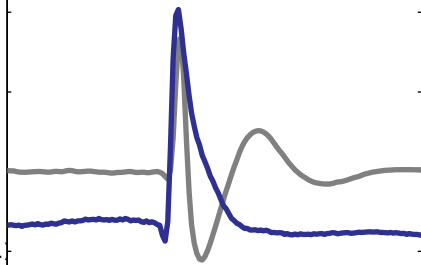
β_T : -0.97 β_D : -3.3

β_P : 3.1 SI: -1

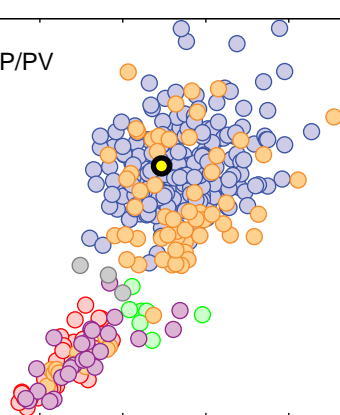
Session FR: 1.9 Hz

Pk Ev: 7 - Nose out (Contra)

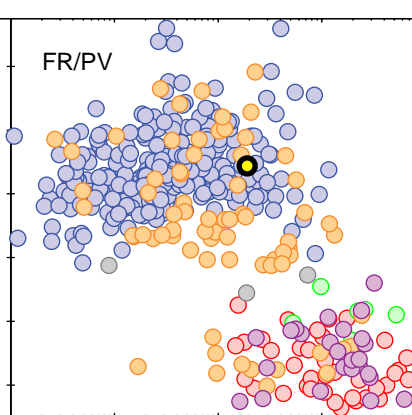
Pk FR: 9.09Hz (-0.36s) **MSN**



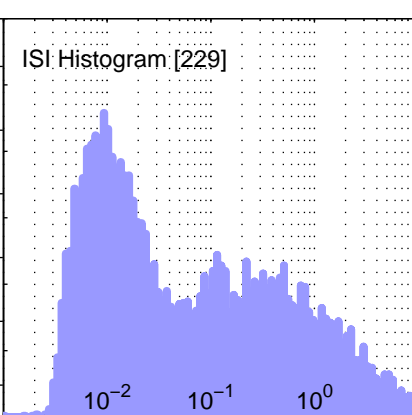
HP/PV



FR/PV



ISI Histogram [229]



10⁻² 10⁻¹ 10⁰

10
20
30
40
50
60

8
6
4
2

1 Cue On [65]

2 Nose In [65]

3 Tone [34,31]

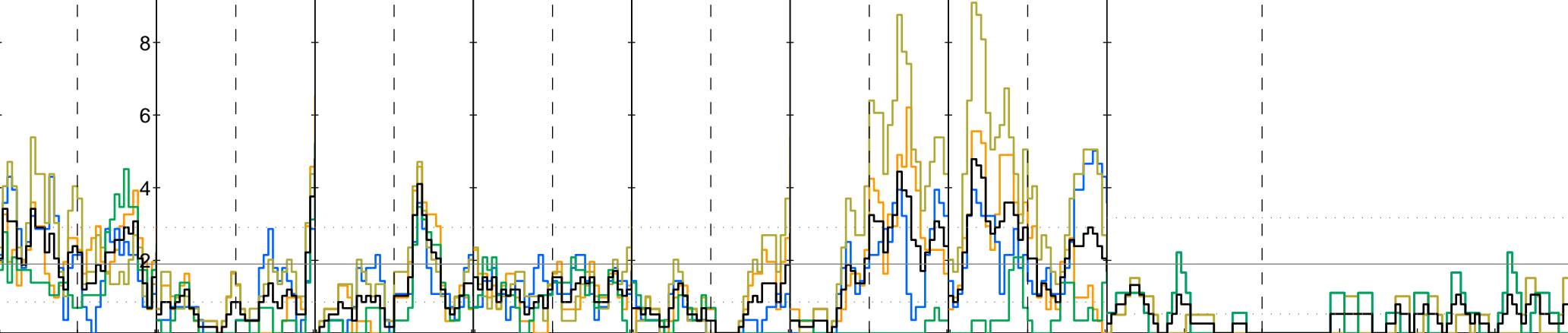
4 Go [65]

5 Choice [33,32]

6 Side In [33,32]

7 Nose Out [33,32]

8 Reward [22,20]



Cell: C0320070618T09c

AP: 1.6 ML: 3.7 DV: 4.9

w: 2 n: 4912 $P_{ISI>2}$: 0.85

1/2pw: 259 μ s p->v: 1019 μ s

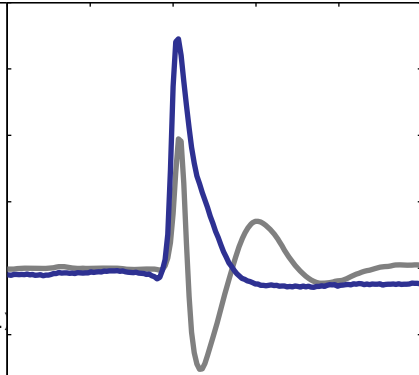
β_T : 3.5 β_D : -4.7

β_P : -4.8 SI: -0.77

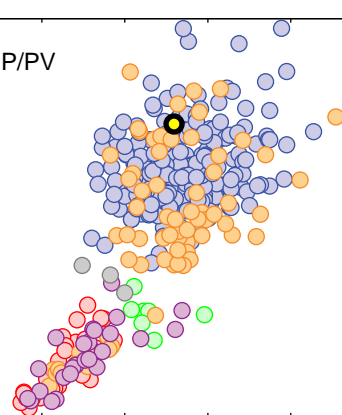
Session FR: 0.976 Hz

Pk Ev: 7 - Nose out (Contra)

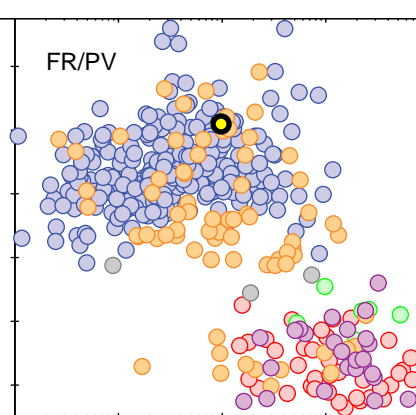
Pk FR: 32.8Hz (0.00s) **MSN**



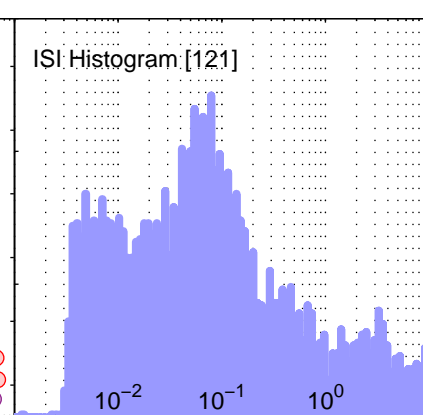
HP/PV



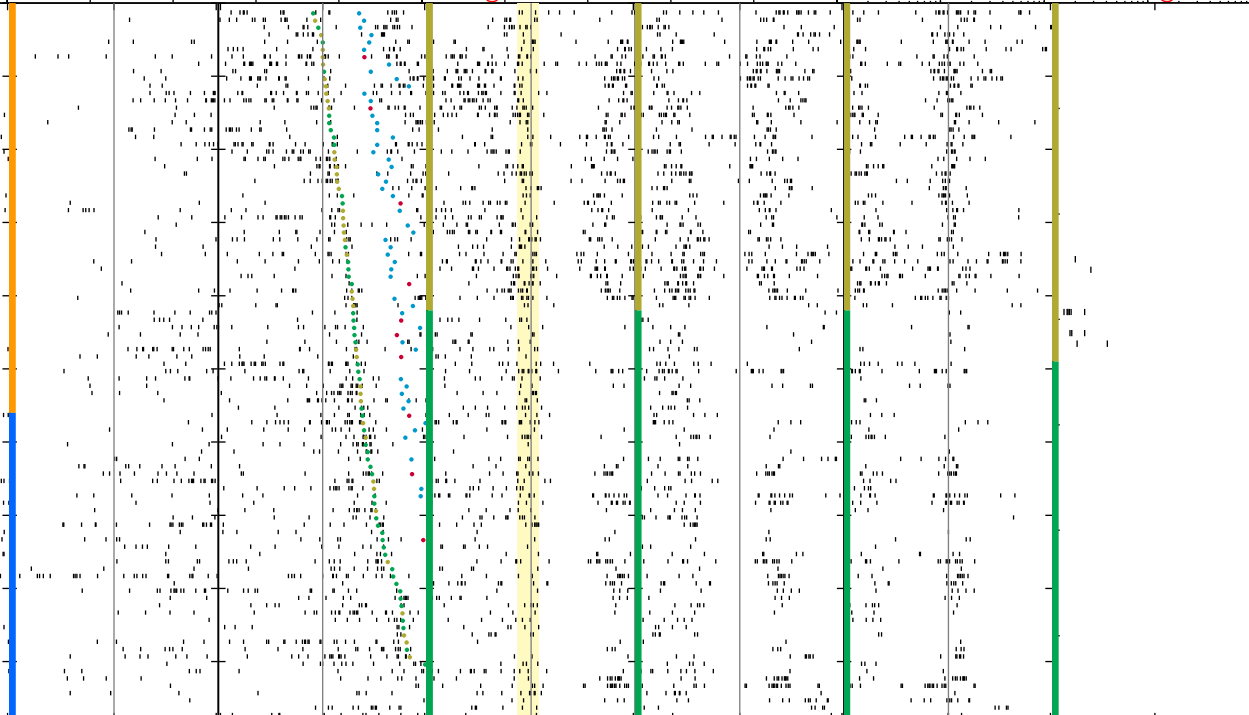
FR/PV



ISI Histogram [121]



10
20
30
40
50
60
70
80
90



1 Cue On [97]

2 Nose In [97]

3 Tone [55,42]

4 Go [97]

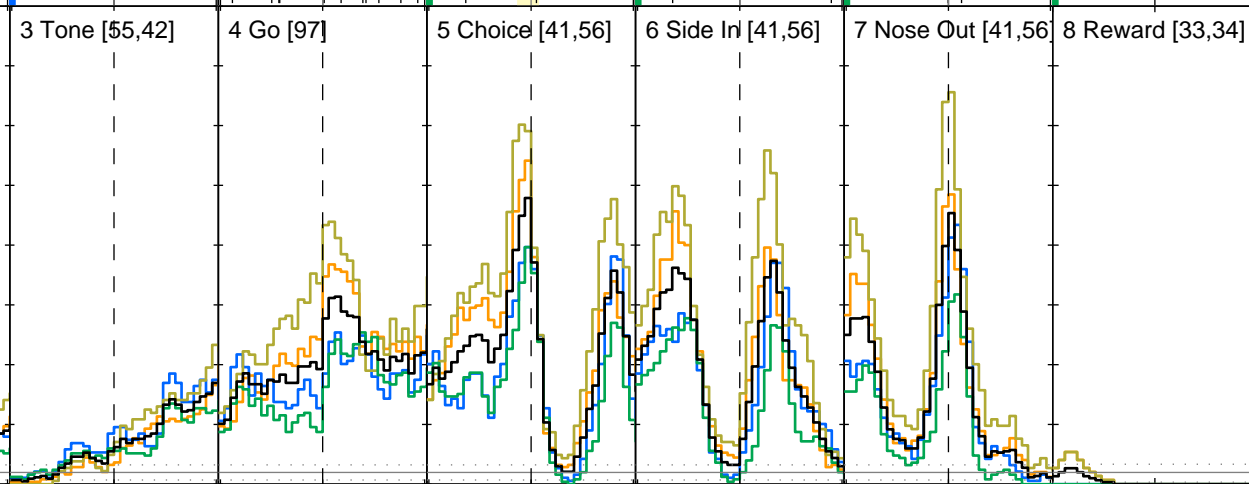
5 Choice [41,56]

6 Side In [41,56]

7 Nose Out [41,56]

8 Reward [33,34]

35
30
25
20
15
10
5



Cell: C0320070618T09e

AP: 1.6 ML: 3.7 DV: 4.9

w: 2 n: 1340 $P_{ISI>2}$: 0.94

1/2pw: 267 μ s p \rightarrow v: 781 μ s

β_T : 2.4 β_D : -4.8

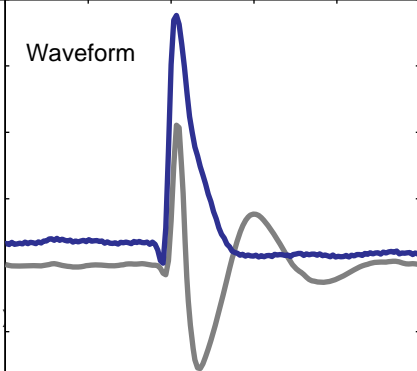
β_P : -1.7 SI: -0.83

Session FR: 0.269 Hz

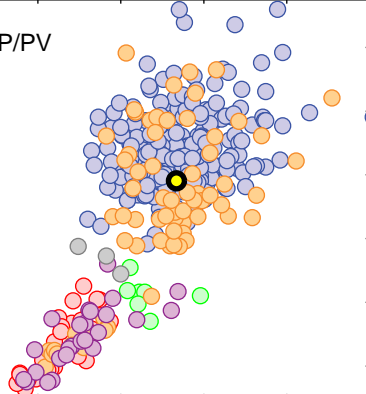
Pk Ev: 7 - Nose out (Contra)

Pk FR: 8.94Hz (0.06s) **MSN**

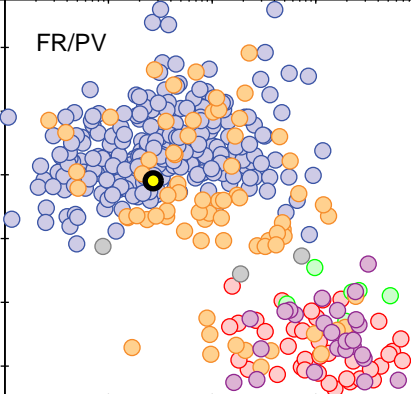
Waveform



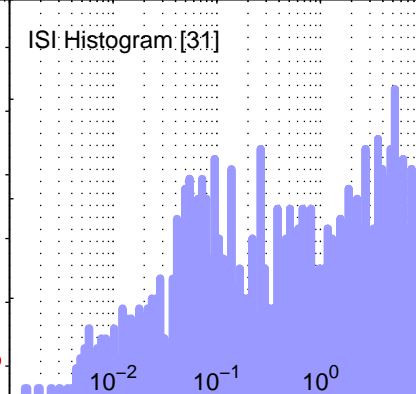
HP/PV



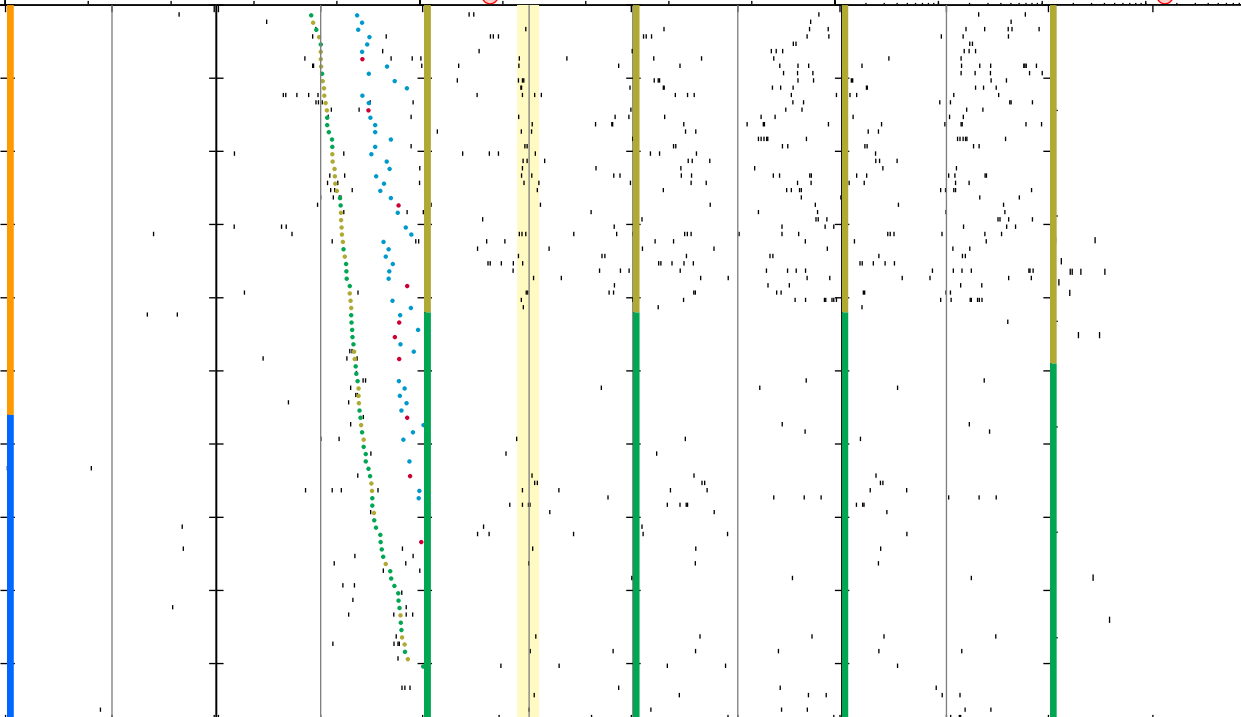
FR/PV



ISI Histogram [31]



10
20
30
40
50
60
70
80
90



1 Cue On [97]

2 Nose In [97]

3 Tone [55,42]

4 Go [97]

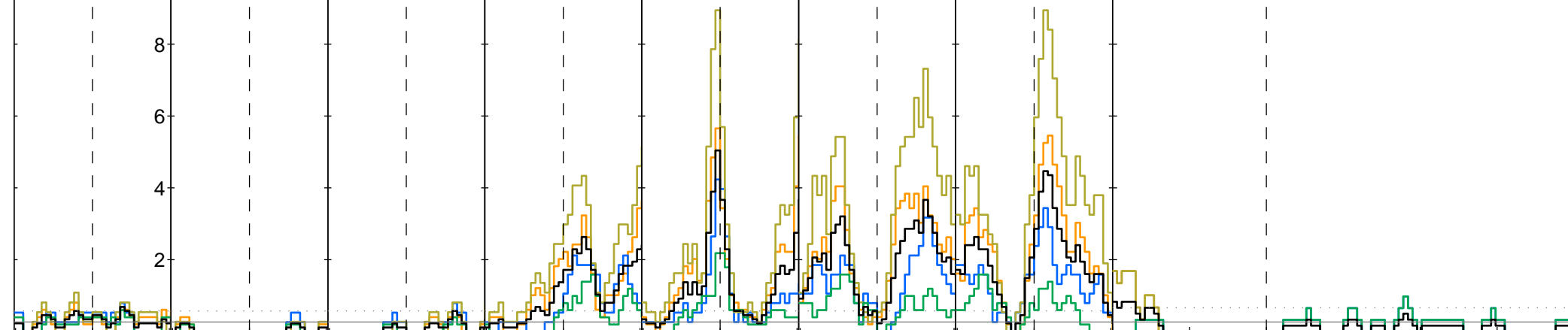
5 Choice [41,56]

6 Side In [41,56]

7 Nose Out [41,56]

8 Reward [33,34]

8
6
4
2



Cell: C0520070405T11d

AP: -0.48 ML: 4.6 DV: 4.4

w: 1 n: 1576 $P_{ISI>2}$: 0.9

1/2pw: 285 μ s p \rightarrow v: 1042 μ s

β_T : 1.7 β_D : 3.1

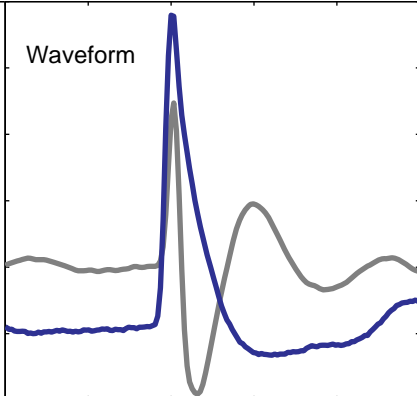
β_P : -3.4 SI: 1

Session FR: 1.03 Hz

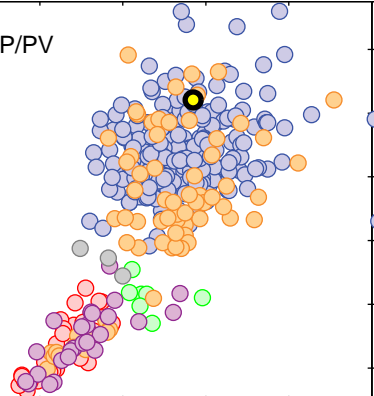
Pk Ev: 7 - Nose out (Ipsi)

Pk FR: 26.3Hz (0.06s) MSN

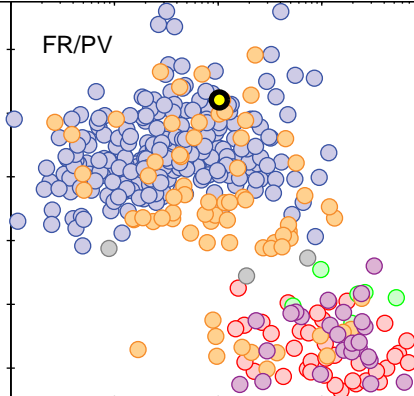
Waveform



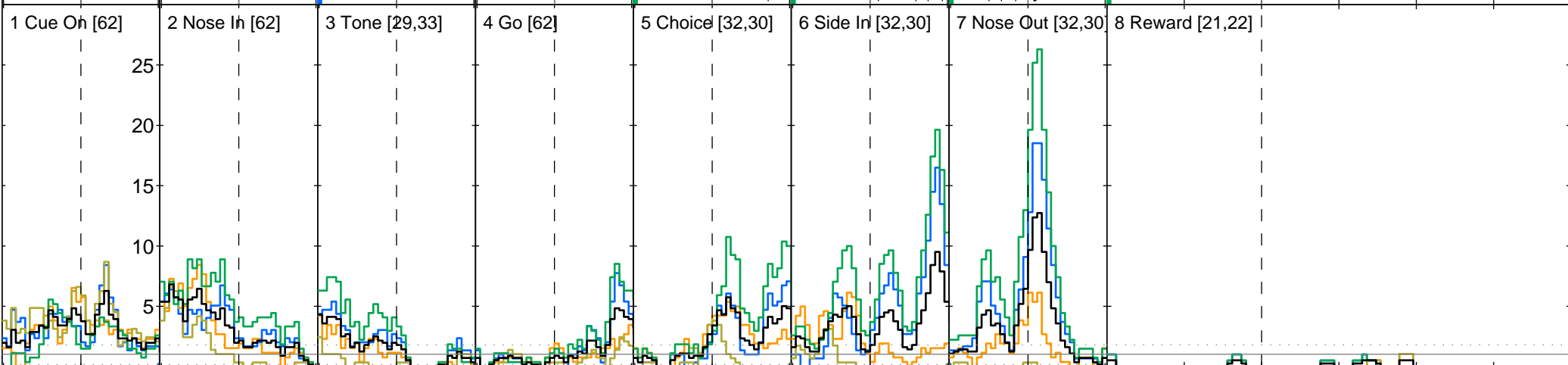
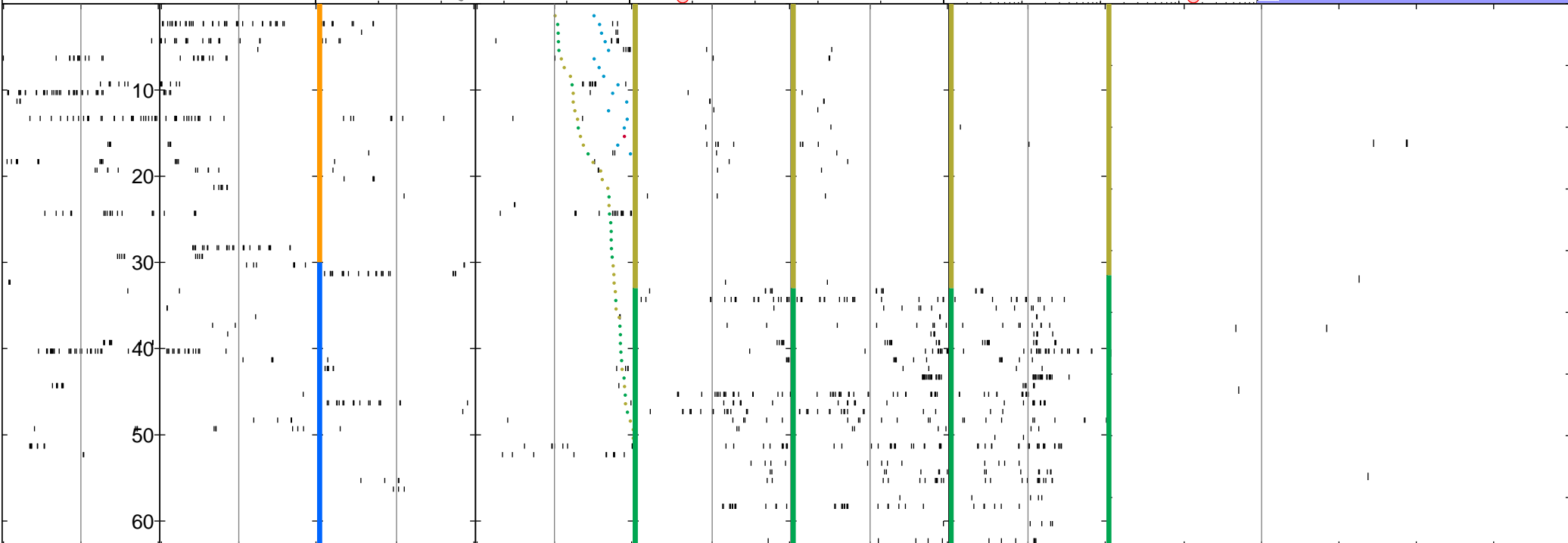
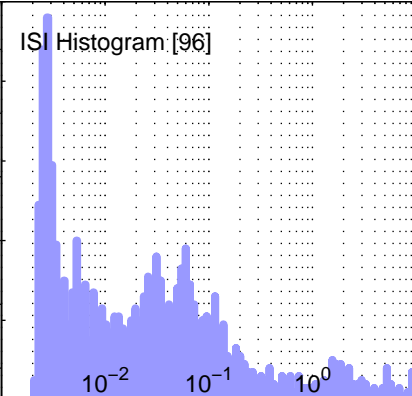
HP/PV



FR/PV



ISI Histogram [96]



Cell: C0320070622T11b

AP: -0.96 ML: 3.7 DV: 5.8

w: 3 n: 3777 $P_{ISI>2}$: 0.81

1/2pw: 189 μ s p->v: 947 μ s

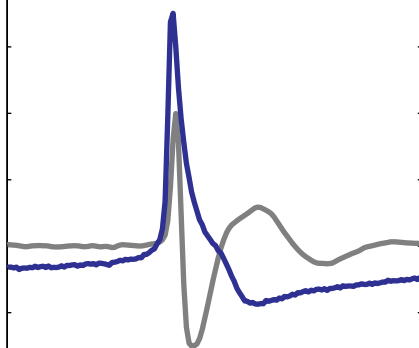
β_T : -2.5 β_D : 7.2

β_P : 2.5 SI: 0.81

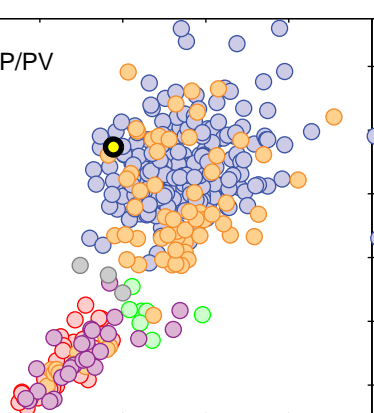
Session FR: 0.955 Hz

Pk Ev: 7 - Nose out (Ipsi)

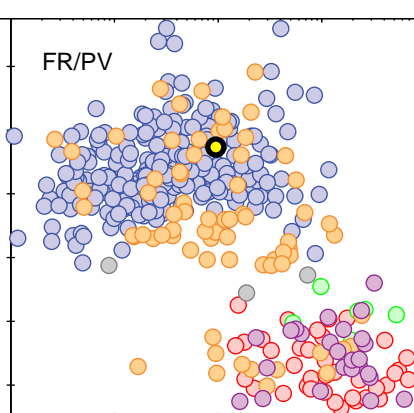
Pk FR: 31.7Hz (0.09s) MSN



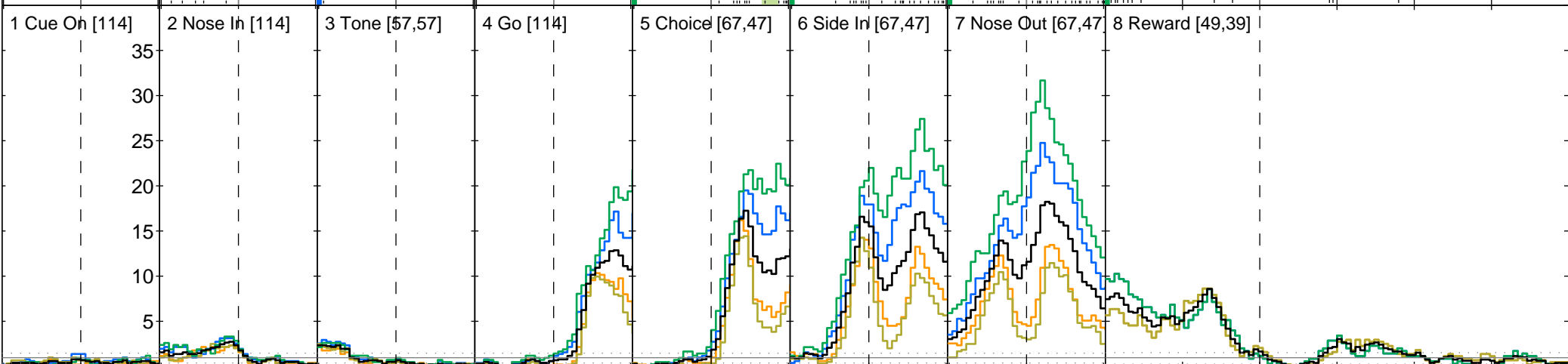
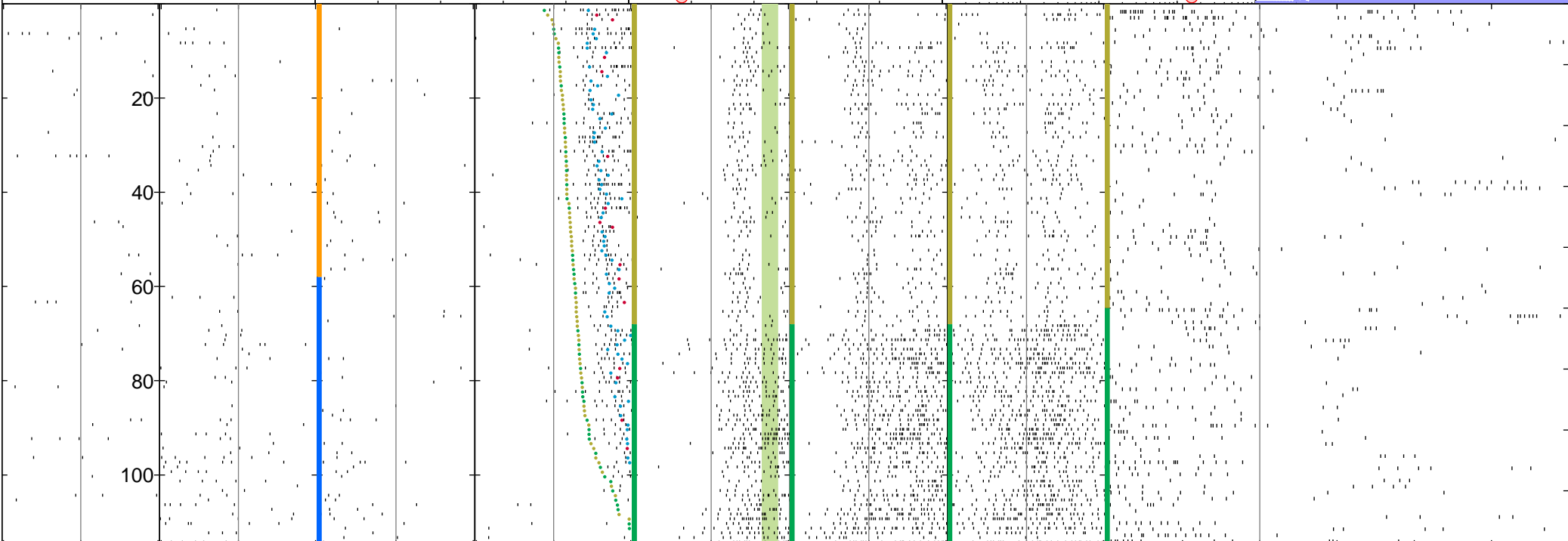
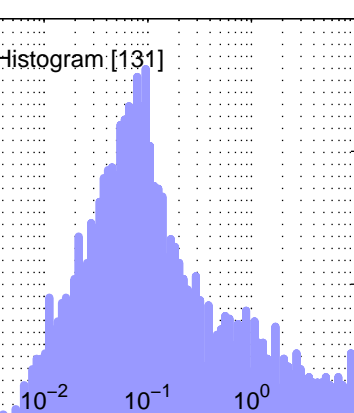
HP/PV



FR/PV

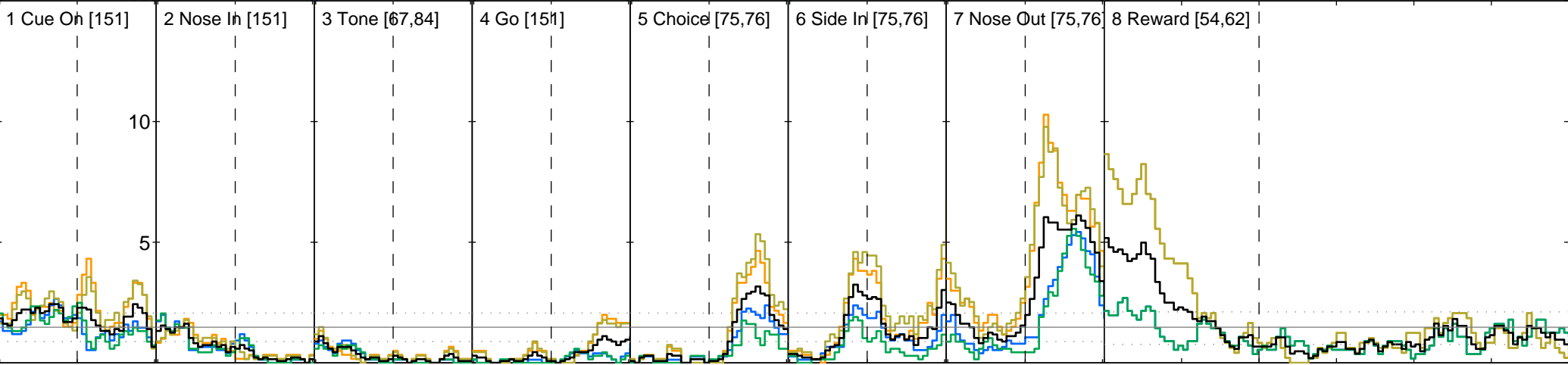
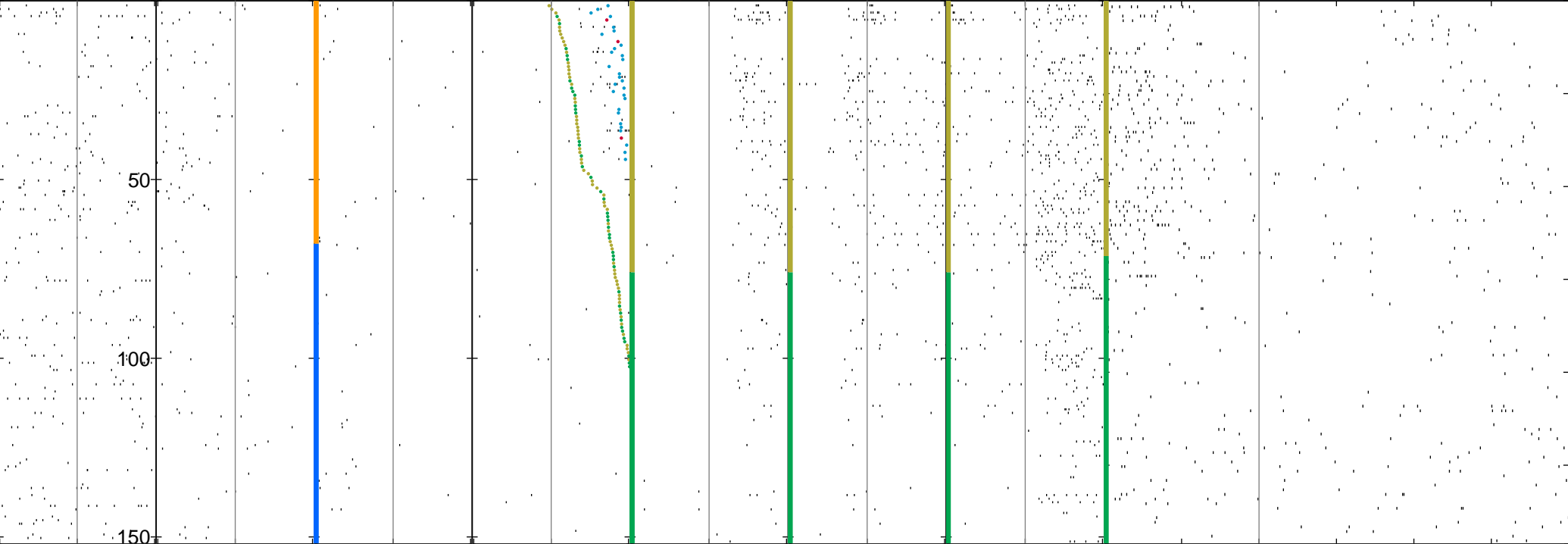
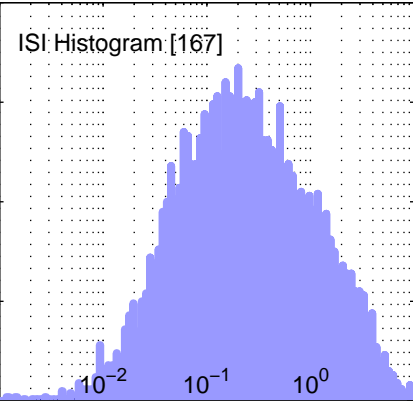
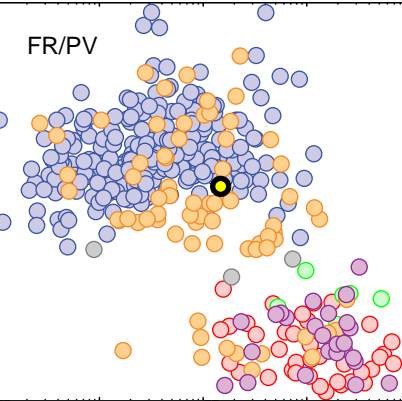
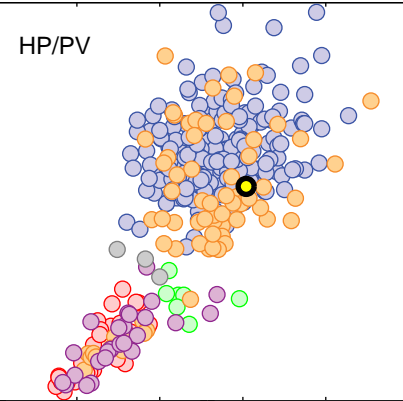
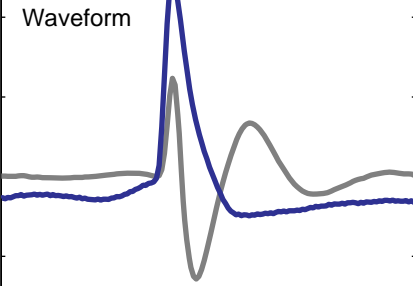


ISI Histogram [131]



Cell: C0520070406T05c

AP: 2.2 ML: 1.2 DV: 7.6
w: 2 n: 6430 $P_{ISI>2}$: 0.49
1/2pw: 304 μ s p->v: 773 μ s
 β_T : -2.3 β_D : -2.6
 β_P : 4.5 SI: -0.58
Session FR: 1.47 Hz
Pk Ev: 7 - Nose out (Tone1)
Pk FR: 10.3Hz (0.12s) **MSN**



Cell: C0320070622T07a

AP: 0.96 ML: 3.6 DV: 6.1

w: 2 n: 5674 $P_{ISI>2}$: 0.5

1/2pw: 312 μ s p \rightarrow v: 968 μ s

β_T : -3.1 β_D : 7.1

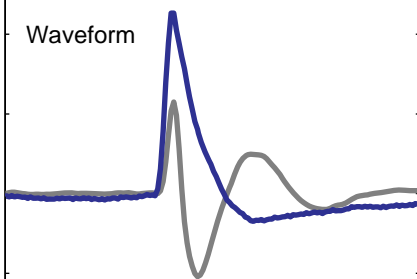
β_P : -3 SI: 0.9

Session FR: 1.43 Hz

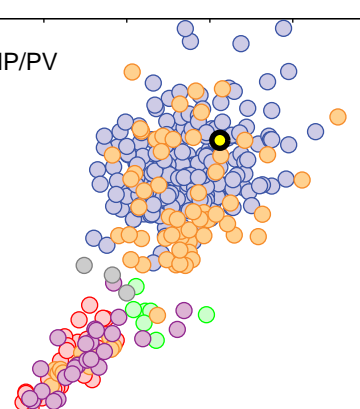
Pk Ev: 7 - Nose out (Ipsi)

Pk FR: 13.2Hz (0.18s) **MSN**

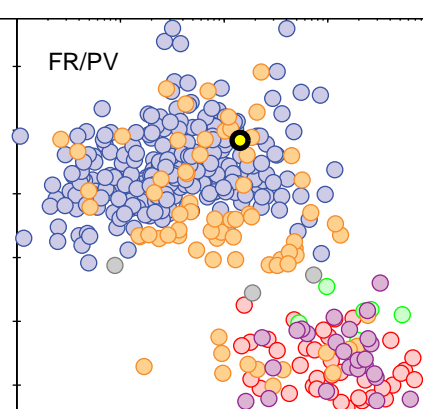
Waveform



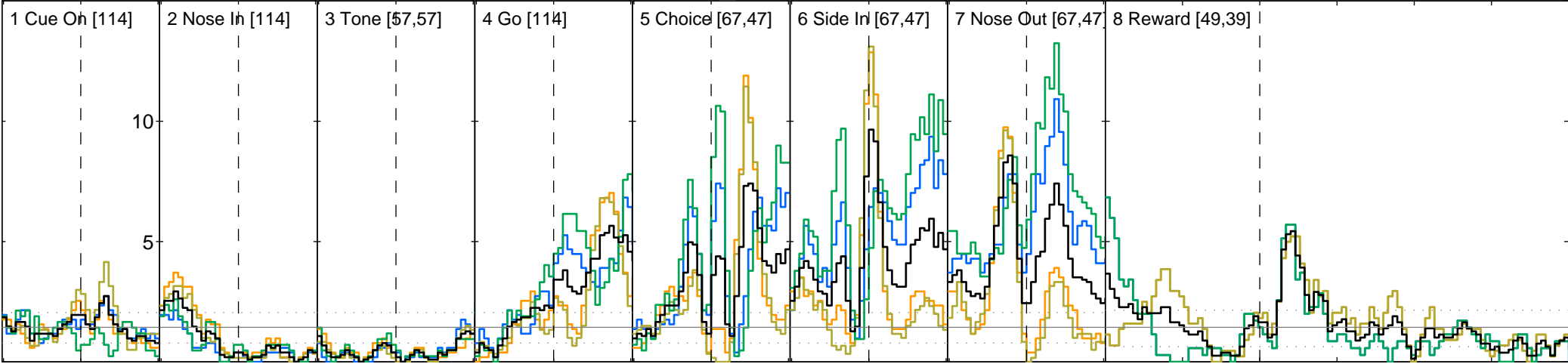
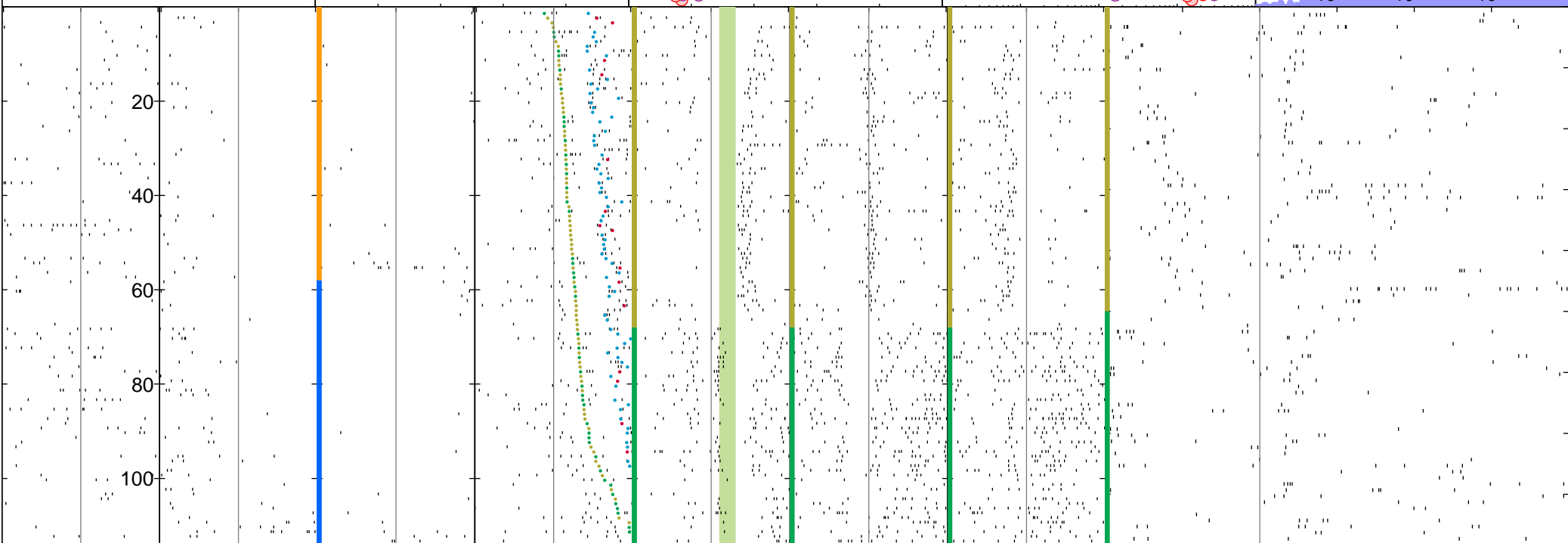
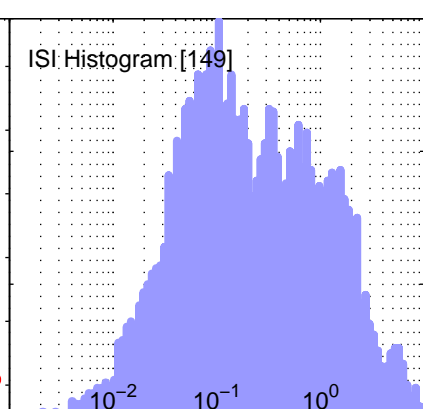
HP/PV



FR/PV



ISI Histogram [149]



Cell: C0320070618T09d

AP: 1.6 ML: 3.7 DV: 4.9

w: 2 n: 7206 $P_{ISI>2}$: 0.81

1/2pw: 302 μ s p->v: 920 μ s

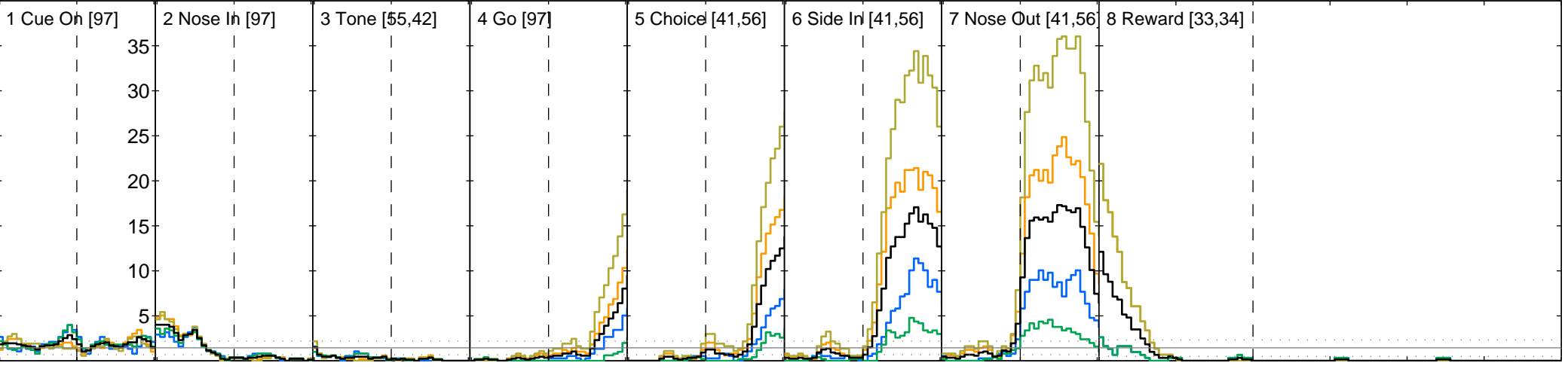
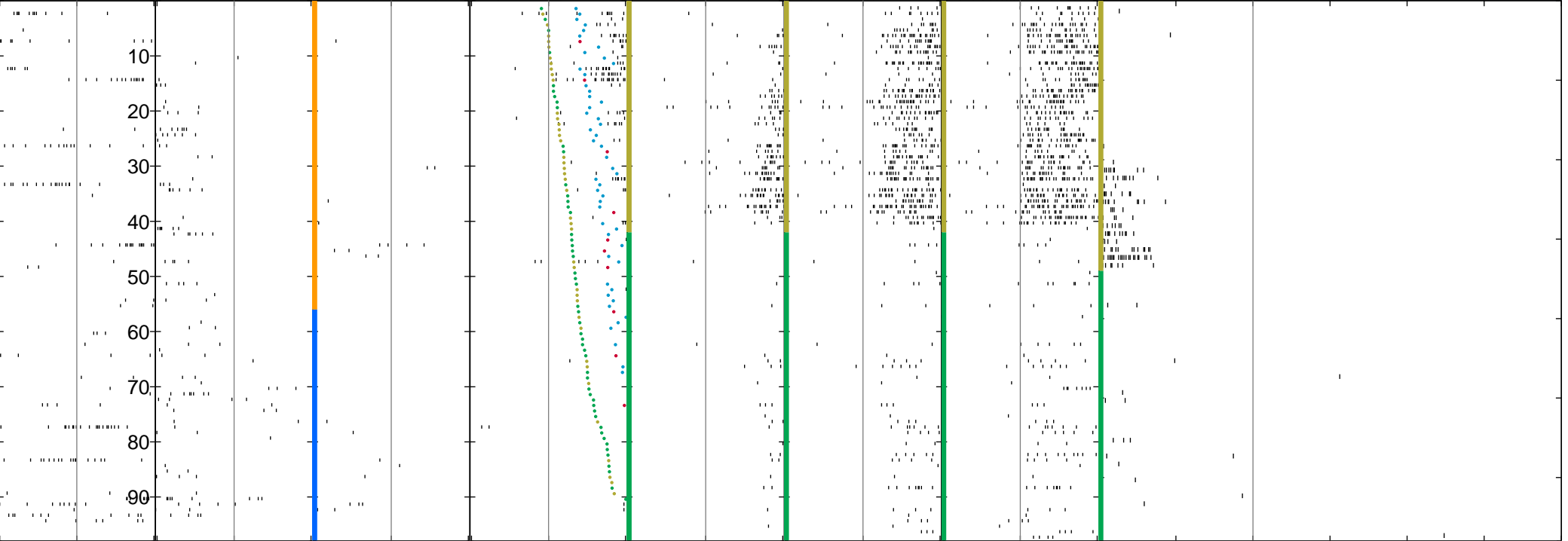
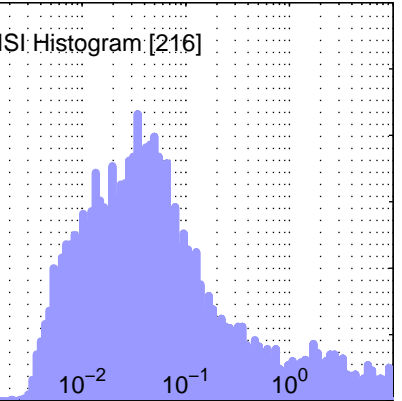
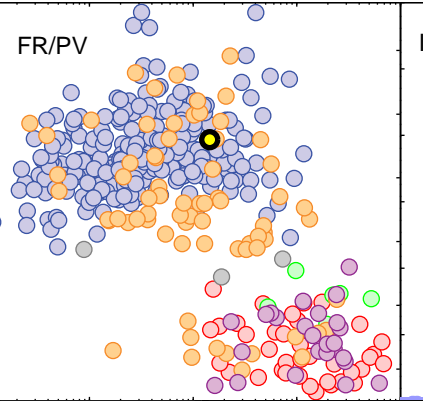
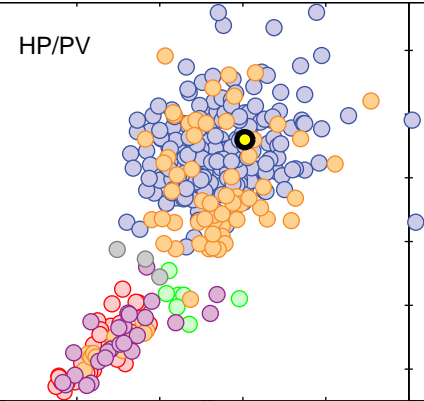
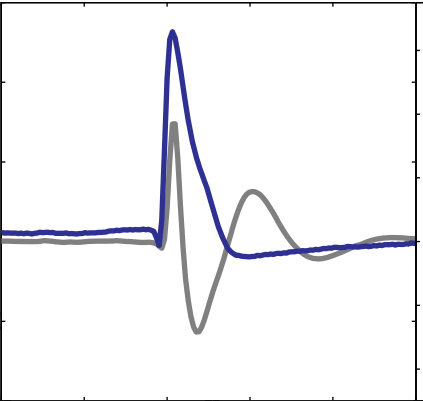
β_T : -2.1 β_D : -7.9

β_P : -1.2 SI: -1

Session FR: 1.44 Hz

Pk Ev: 7 - Nose out (Contra)

Pk FR: 36Hz (0.27s) MSN



Cell: C0320070624T07b

AP: 0.96 ML: 3.6 DV: 6.5

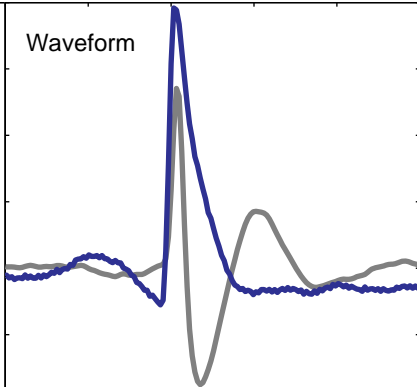
w: 4 n: 8693 $P_{ISI>2}$: 0.261/2pw: 274 μ s p \rightarrow v: 790 μ s β_T : 2.2 β_D : 3.3 β_P : 2.7 SI: 0.94

Session FR: 2.33 Hz

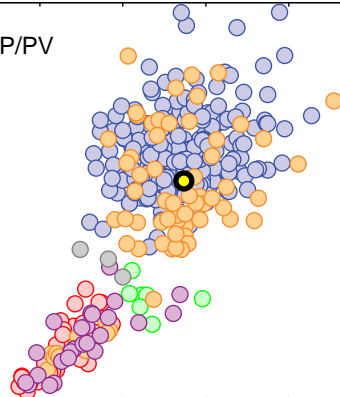
Pk Ev: 7 - Nose out (Ipsi)

Pk FR: 8.11Hz (0.3s) **MSN**

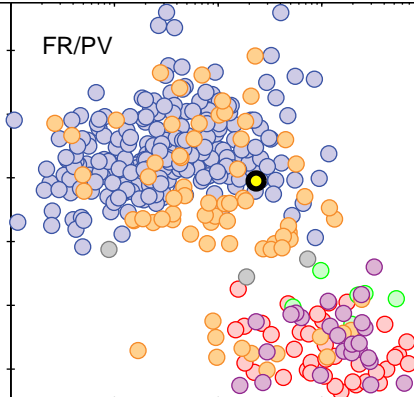
Waveform



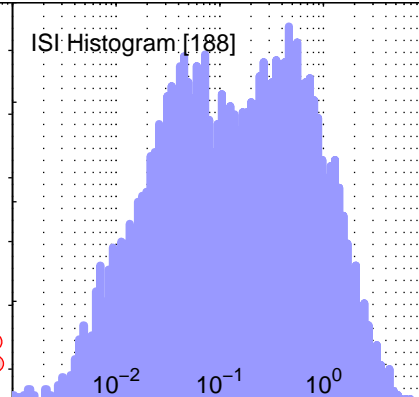
HP/PV



FR/PV



ISI Histogram [188]



20

40

60

80

100

120

140

1 Cue On [143]

2 Nose In [143]

3 Tone [68,75]

4 Go [148]

5 Choice [69,74]

6 Side In [69,74]

7 Nose Out [69,74]

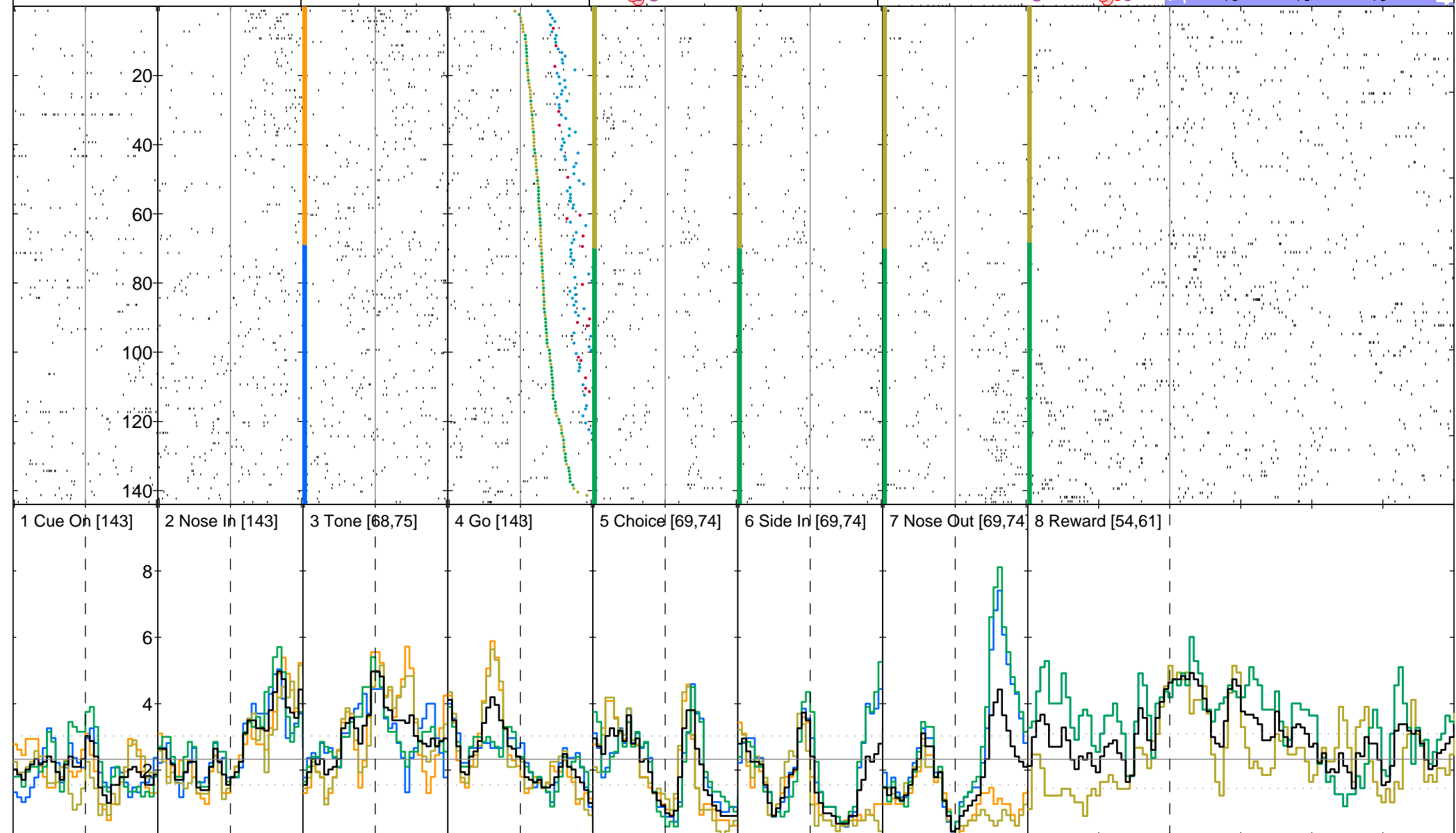
8 Reward [54,61]

8

6

4

2



Cell: C0520070417T07e

AP: 1.3 ML: 3.4 DV: 4.5

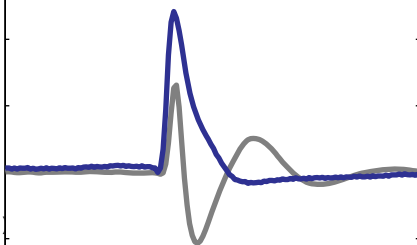
w: 2 n: 1573 $P_{ISI>2}$: 0.91/2pw: 267 μ s p->v: 829 μ s β_T : -2.4 β_D : -2.5 β_P : -2.2 SI: -0.89

Session FR: 0.482 Hz

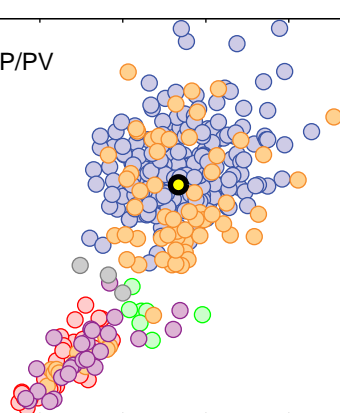
Pk Ev: 7 - Nose out (Contra)

Pk FR: 10.1Hz (0.3s) **MSN**

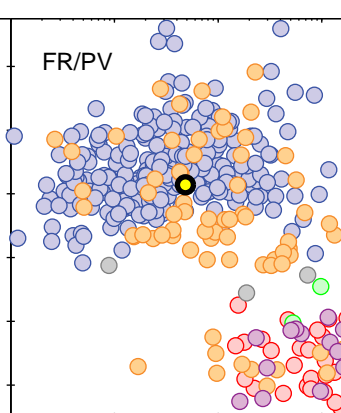
Waveform



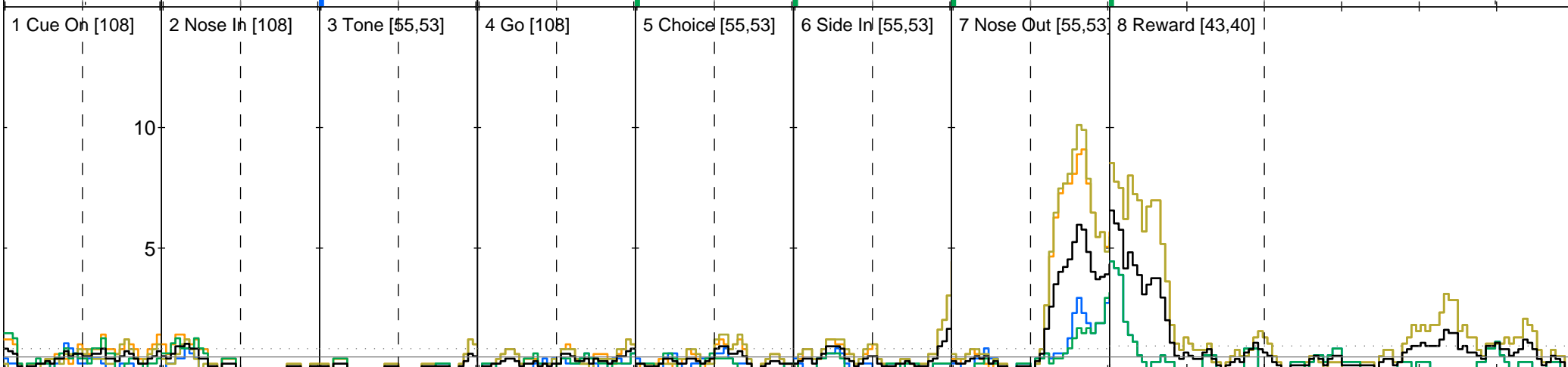
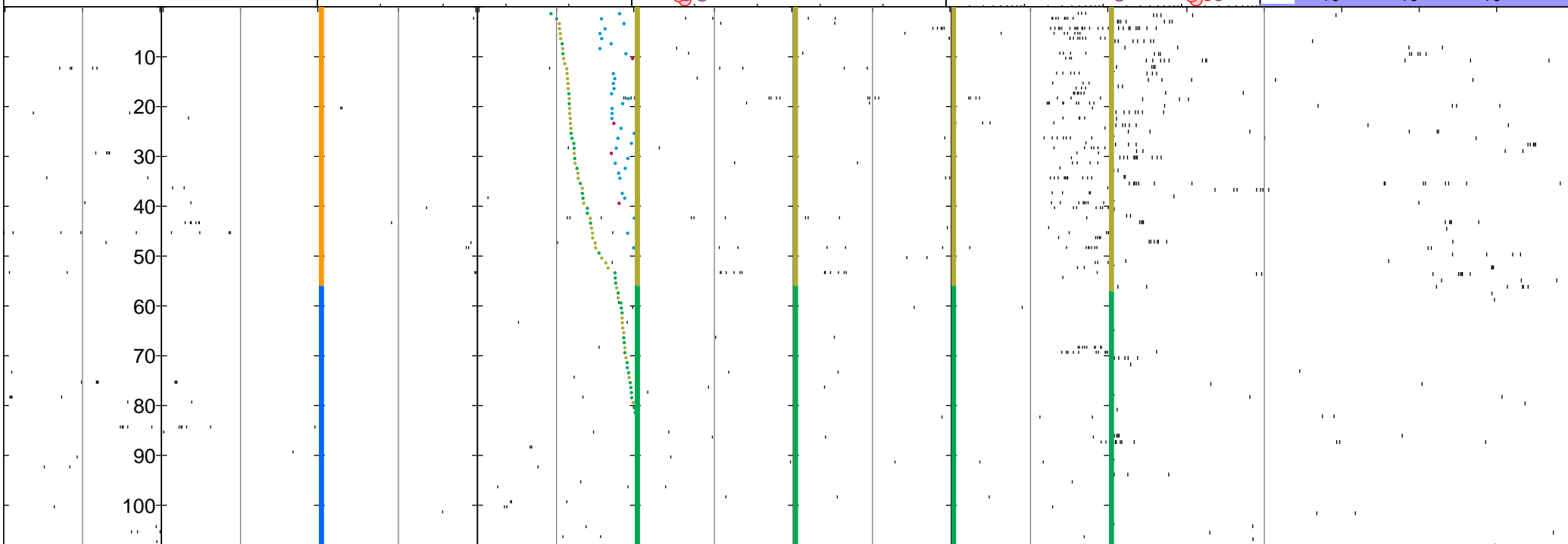
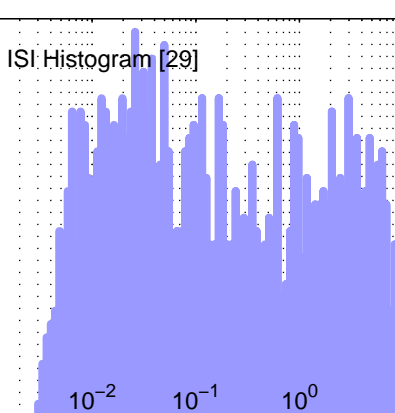
HP/PV



FR/PV



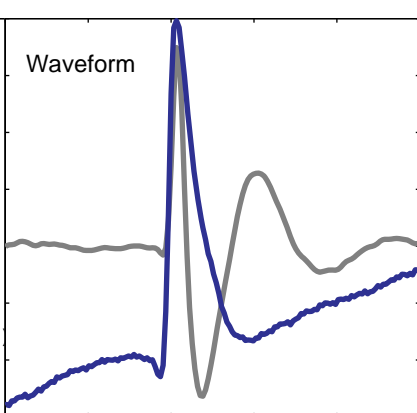
ISI Histogram [29]



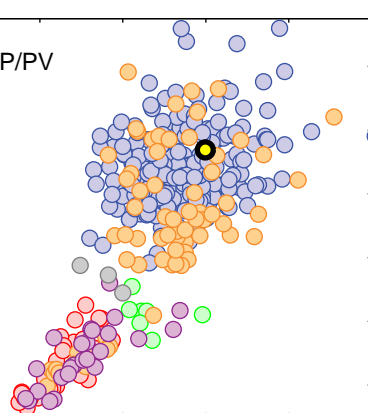
Cell: C0320070611T07a

AP: 0.96 ML: 3.6 DV: 5.1
w: 2 n: 7098 $P_{ISI>2}$: 0.75
1/2pw: 299 μ s p->v: 938 μ s
 β_T : -1.8 β_D : -1.3
 β_P : 2.1 SI: -1
Session FR: 0.948 Hz
Pk Ev: 7 - Nose out (Contra)
Pk FR: 17.4Hz (0.42s) **MSN**

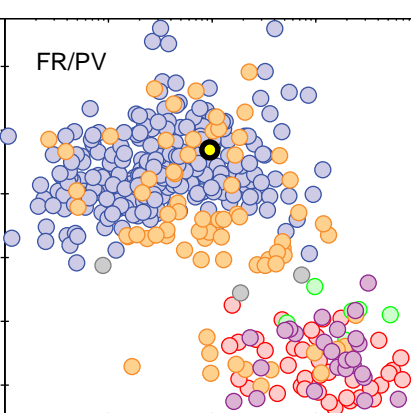
Waveform



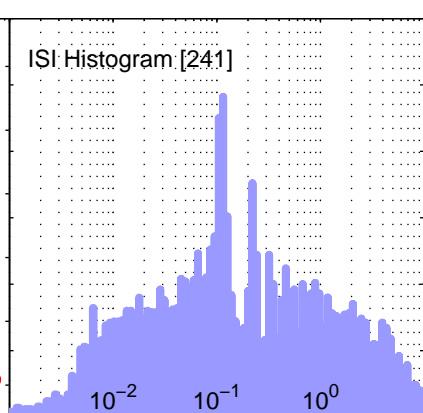
HP/PV



FR/PV



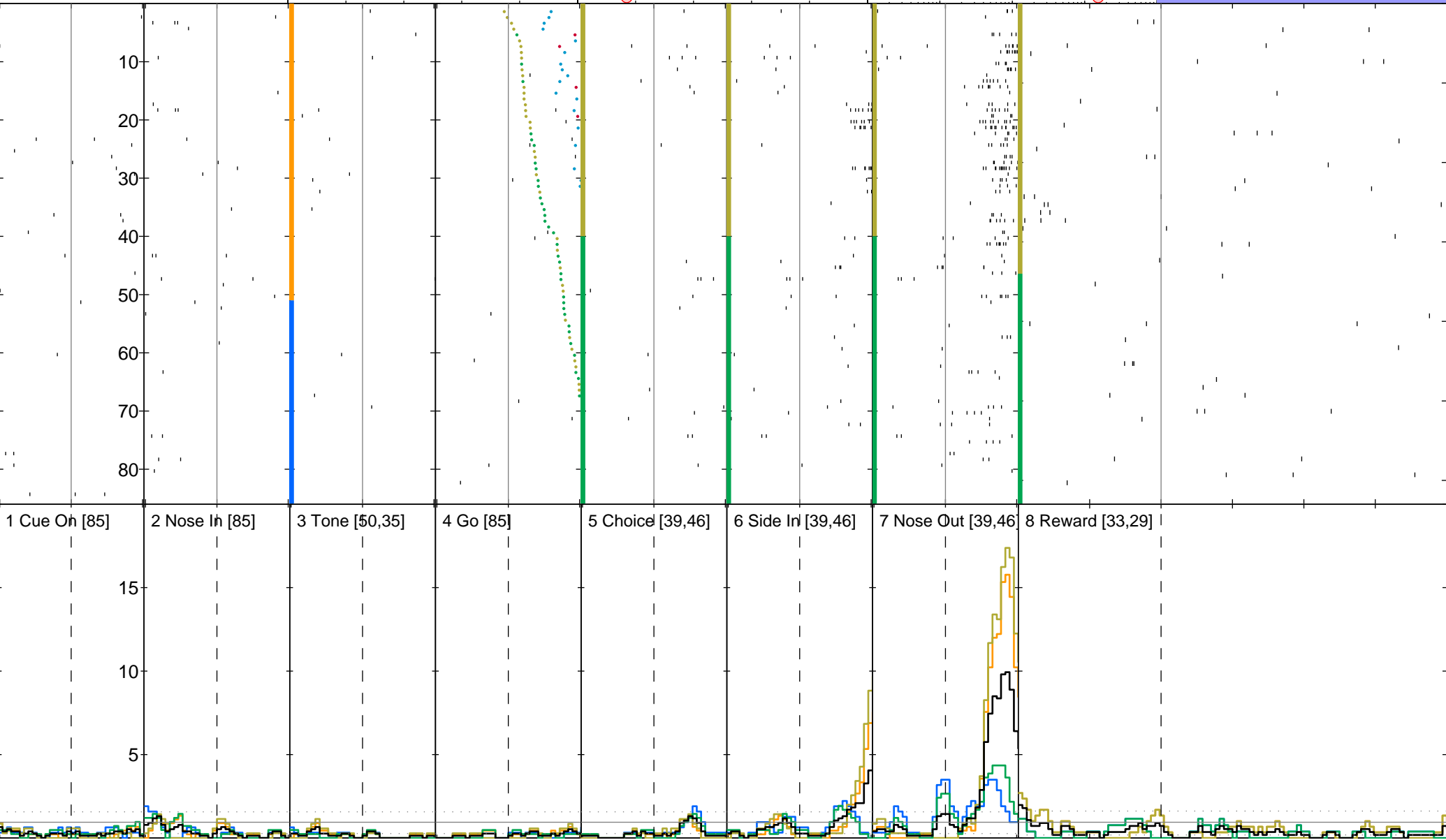
ISI Histogram [241]



10
20
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40
50
60
70
80

1 Cue On [85] 2 Nose In [85] 3 Tone [50,35] 4 Go [85] 5 Choice [39,46] 6 Side In [39,46] 7 Nose Out [39,46] 8 Reward [33,29]

15
10
5



Cell: C0320070611T07c

AP: 0.96 ML: 3.6 DV: 5.1

w: 3 n: 8371 $P_{ISI>2}$: 0.64

1/2pw: 278 μ s p->v: 886 μ s

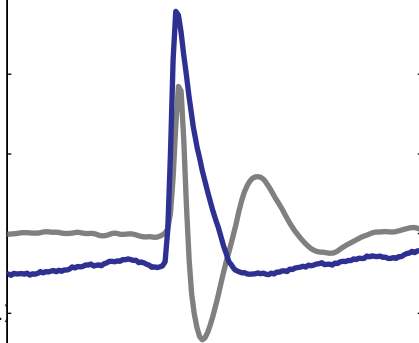
β_T : 1.4 β_D : 2.5

β_P : 1.8 SI: 0.24

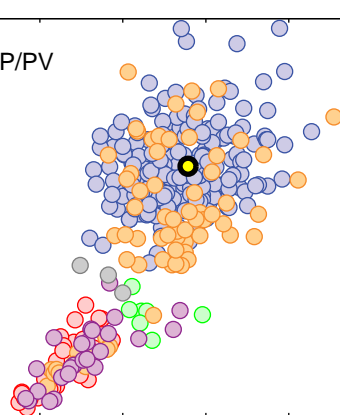
Session FR: 1.12 Hz

Pk Ev: 7 - Nose out (Contra)

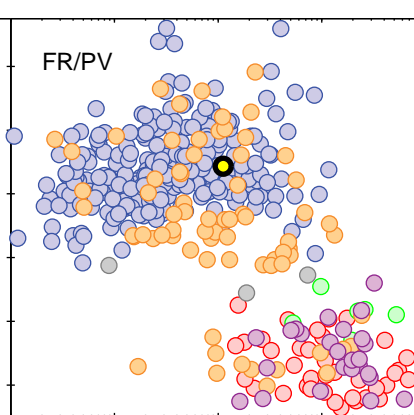
Pk FR: 17.1Hz (0.48s) MSN



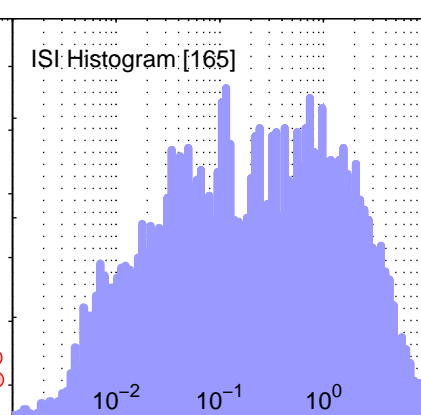
HP/PV



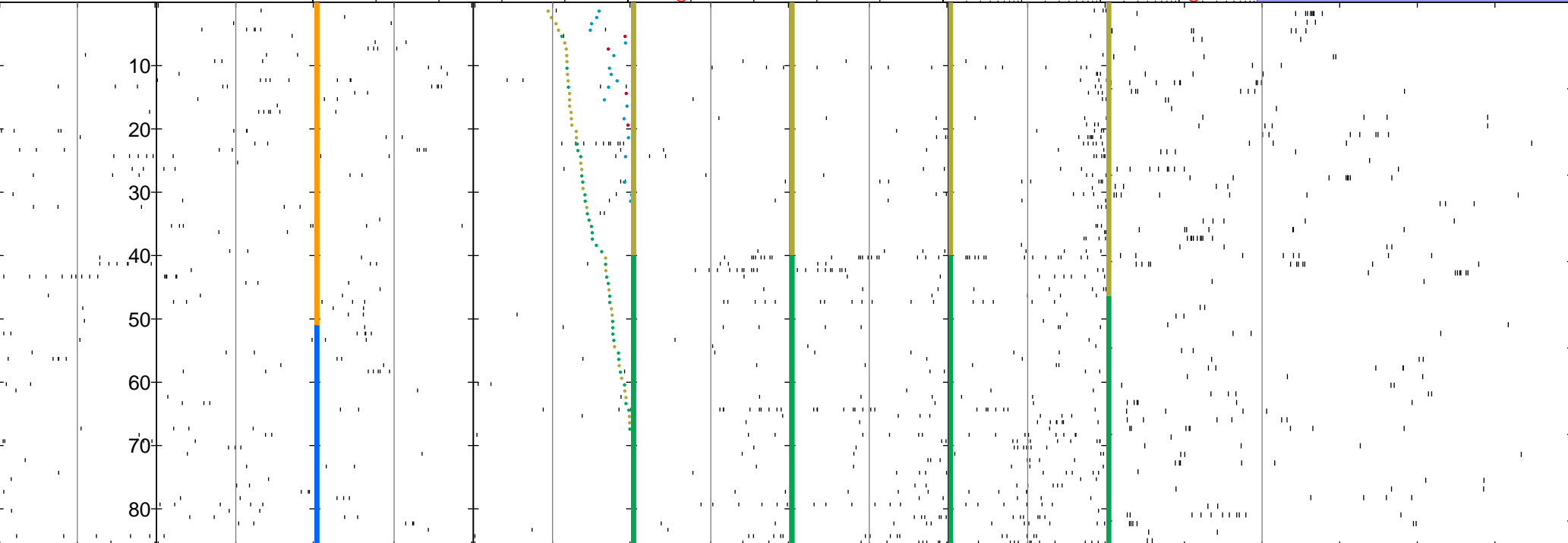
FR/PV



ISI Histogram [165]

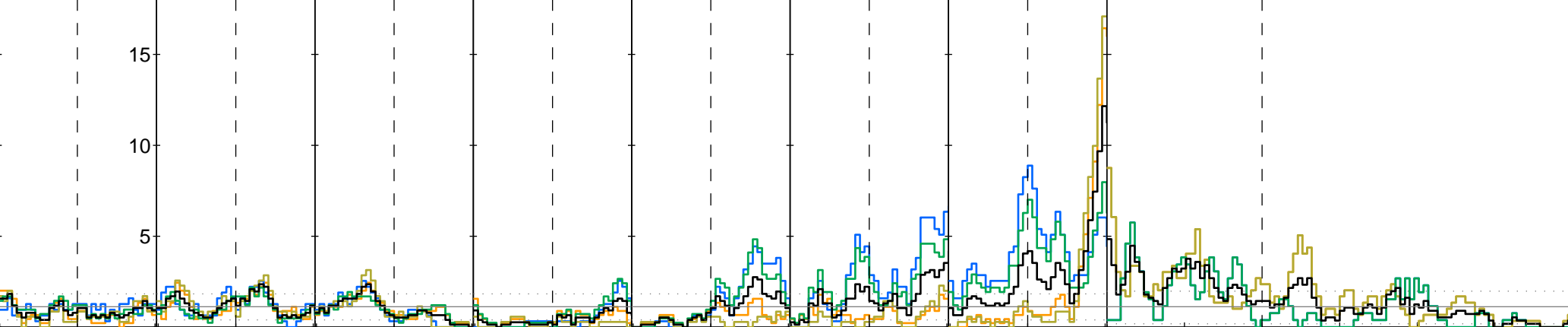


10
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60
70
80



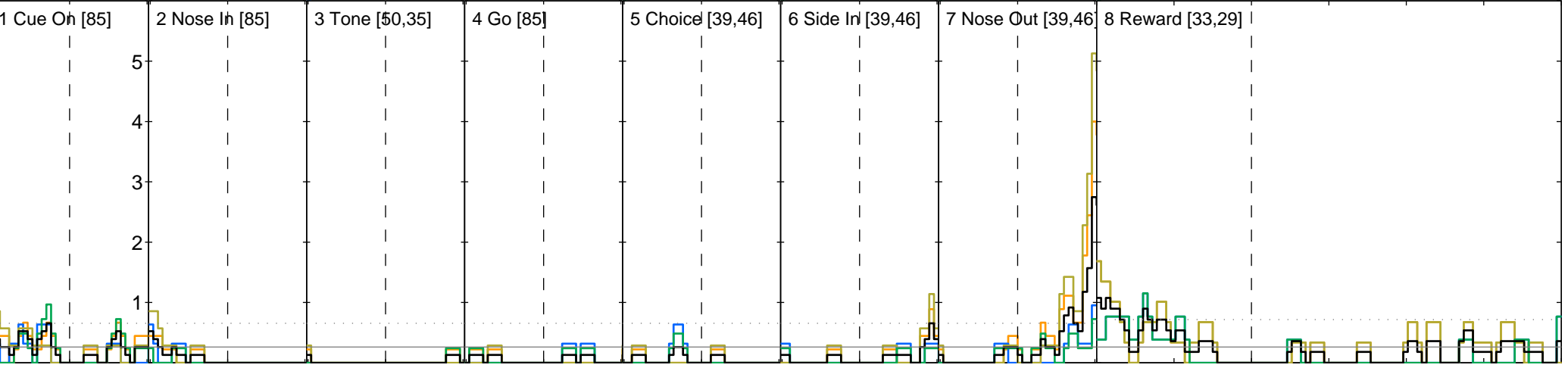
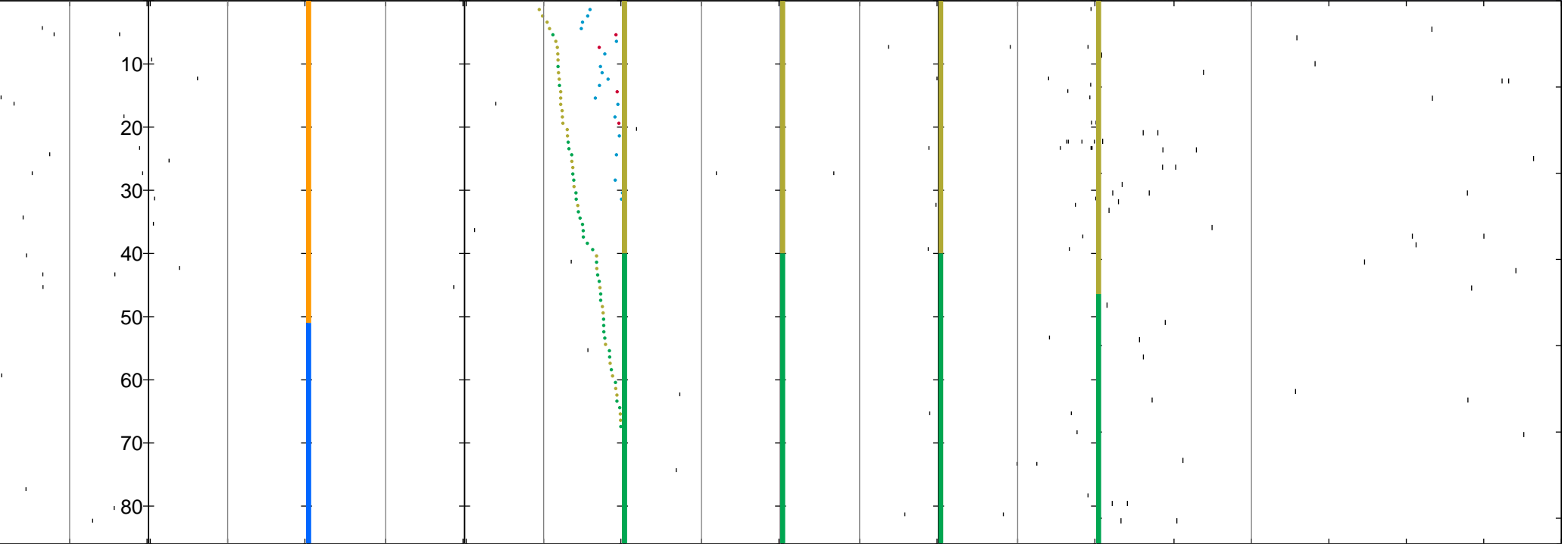
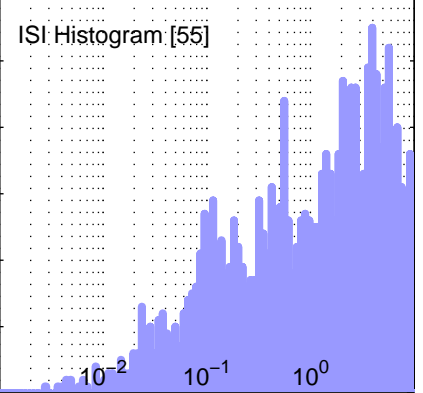
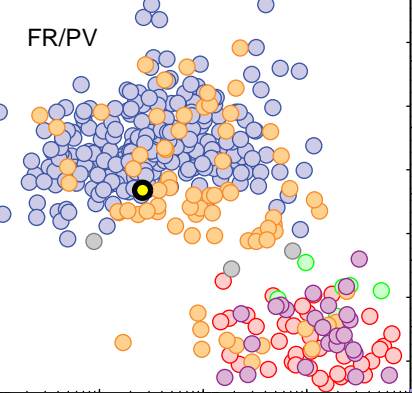
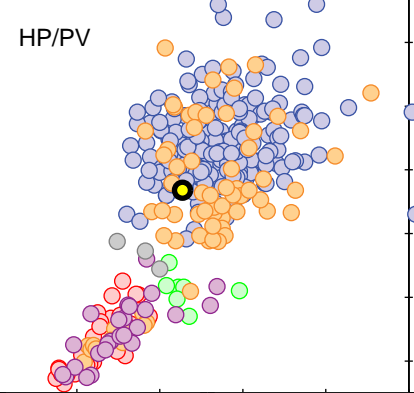
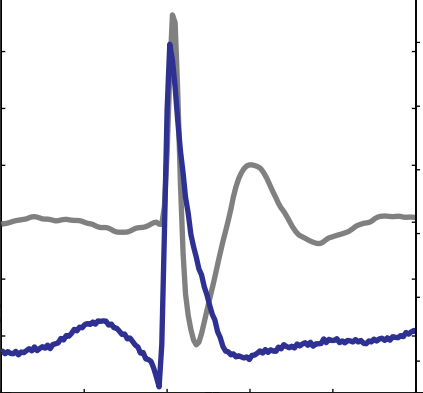
1 Cue On [85] 2 Nose In [85] 3 Tone [50,35] 4 Go [85] 5 Choice [39,46] 6 Side In [39,46] 7 Nose Out [39,46] 8 Reward [33,29]

15
10
5



Cell: C0320070611T09e

AP: 1.6 ML: 3.7 DV: 4.7
w: 3 n: 1951 $P_{ISI>2}$: 0.92
1/2pw: 227 μ s p->v: 736 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.261 Hz
Pk Ev: 7 - Nose out (Contra)
Pk FR: 5.13Hz (0.48s) **MSN**



Cell: C0320070619T07g

AP: 0.96 ML: 3.6 DV: 5.8

w: 4 n: 1341 $P_{ISI>2}$: 0.98

1/2pw: 173 μ s p \rightarrow v: 946 μ s

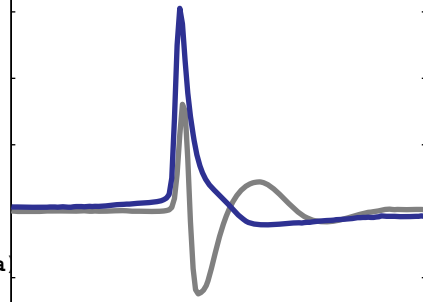
β_T : -2.6 β_D : -3.3

β_P : -1.9 SI: -1

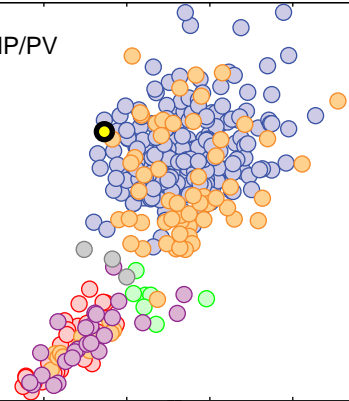
Session FR: 0.317 Hz

Pk Ev: 7 - Nose out (Contra)

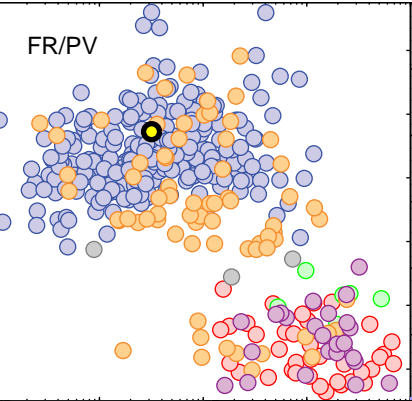
Pk FR: 20.8Hz (0.48s) MSN



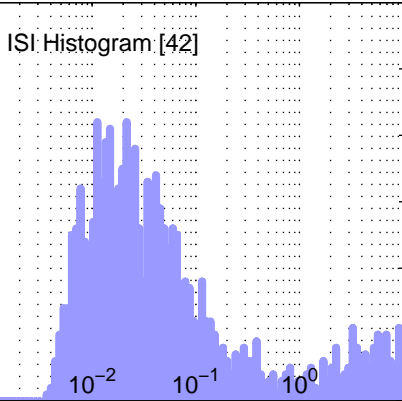
HP/PV



FR/PV



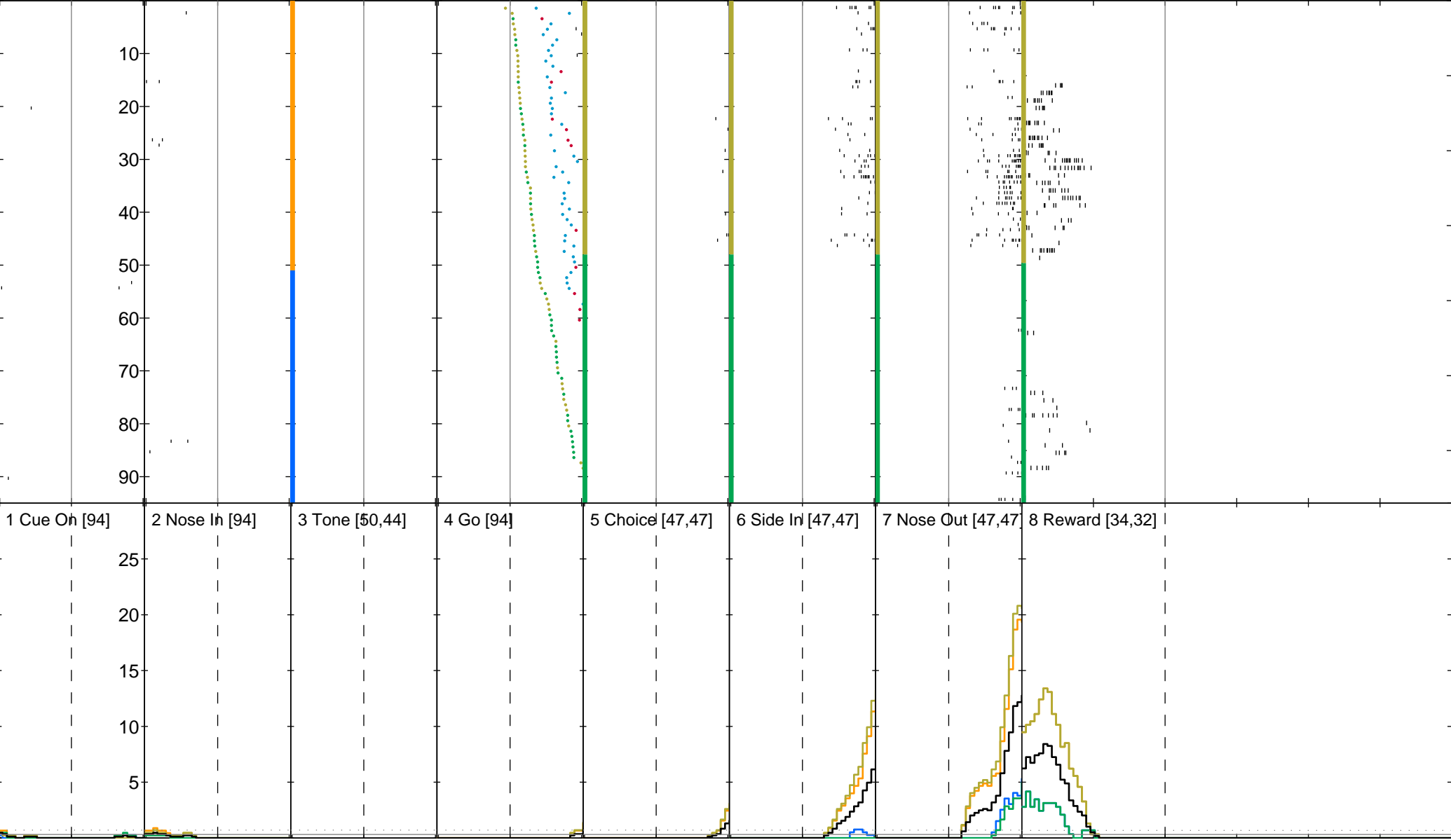
ISI Histogram [42]



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40
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60
70
80
90

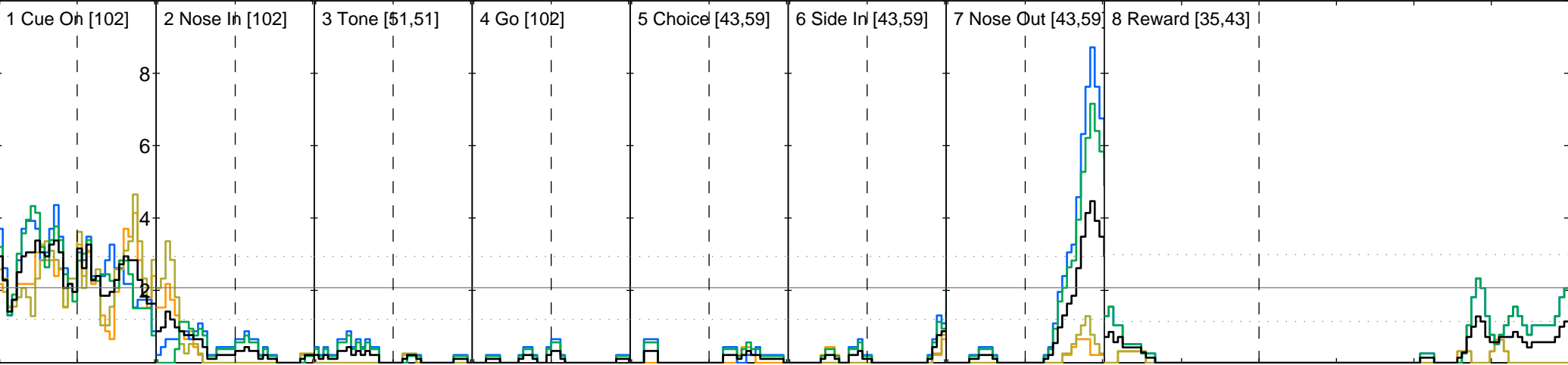
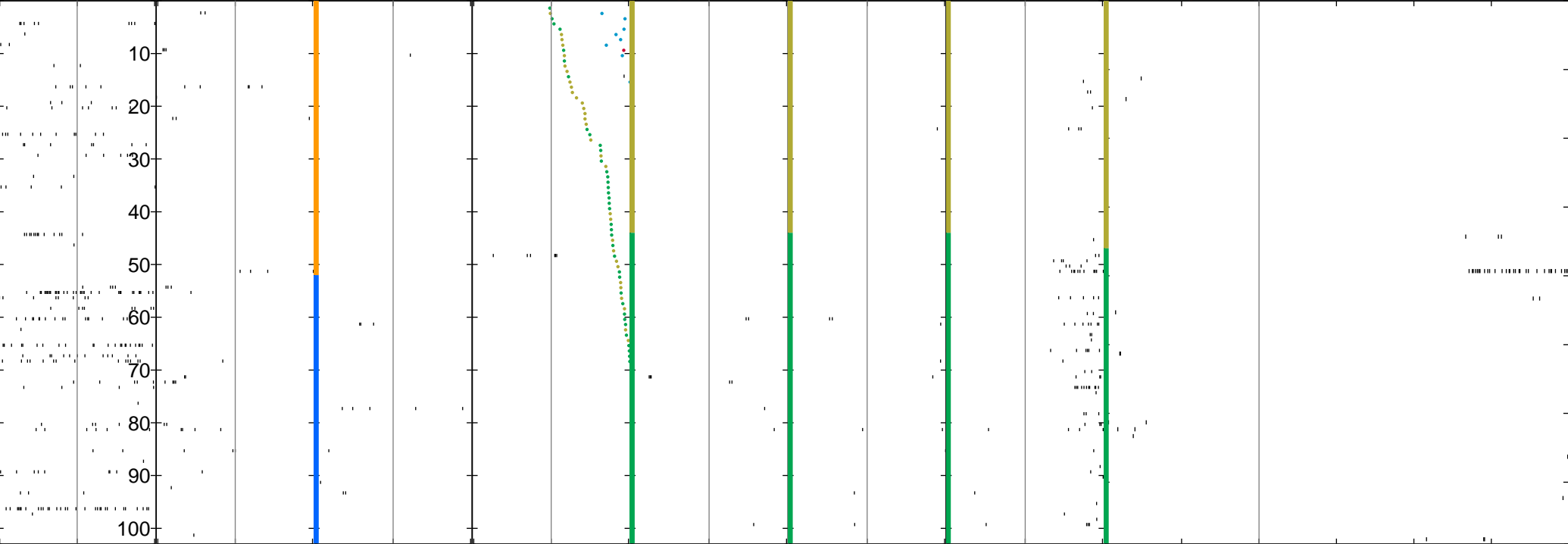
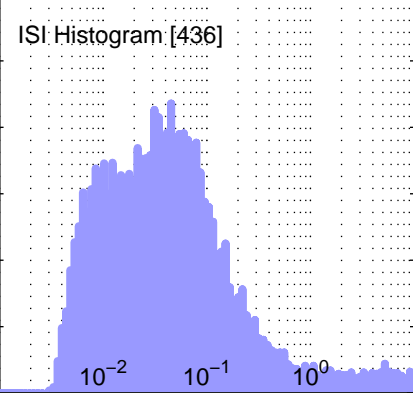
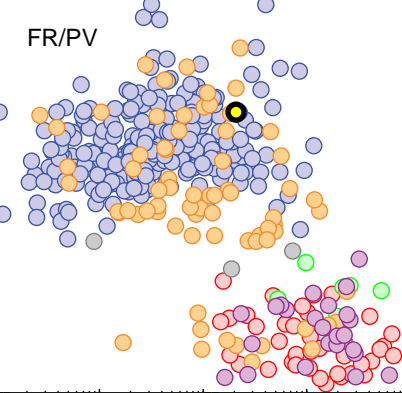
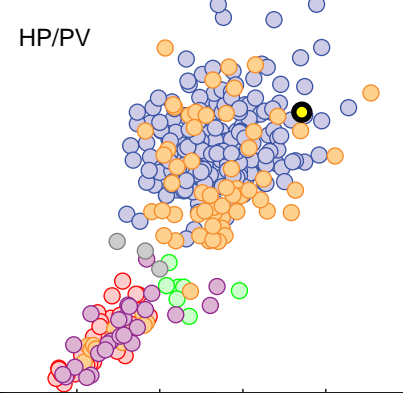
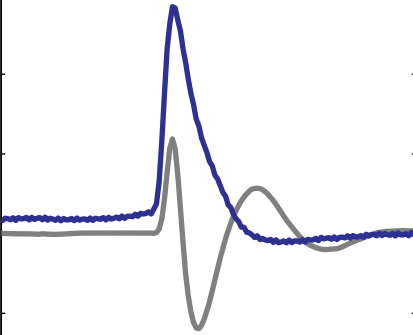
1 Cue On [94] 2 Nose In [94] 3 Tone [50,44] 4 Go [94] 5 Choice [47,47] 6 Side In [47,47] 7 Nose Out [47,47] 8 Reward [34,32]

25
15
10
5



Cell: C1220071024T05a

AP: 1.4 ML: 2.1 DV: 6.9
w: 2 n: 15151 $P_{ISI>2}$: 0.8
1/2pw: 371 μ s p->v: 981 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 2.08 Hz
Pk Ev: 7 - Nose out (Tone2)
Pk FR: 9.59Hz (0.63s) **MSN**



Cell: C0320070613T07a

AP: 0.96 ML: 3.6 DV: 5.3

w: 2 n: 880 $P_{ISI>2}$: 0.97

1/2pw: 278 μ s p->v: 866 μ s

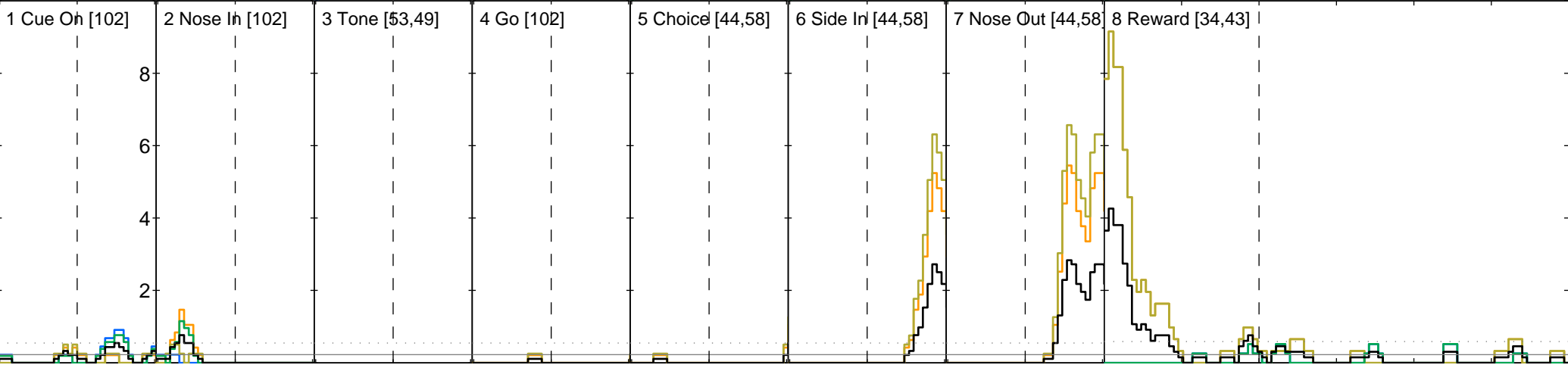
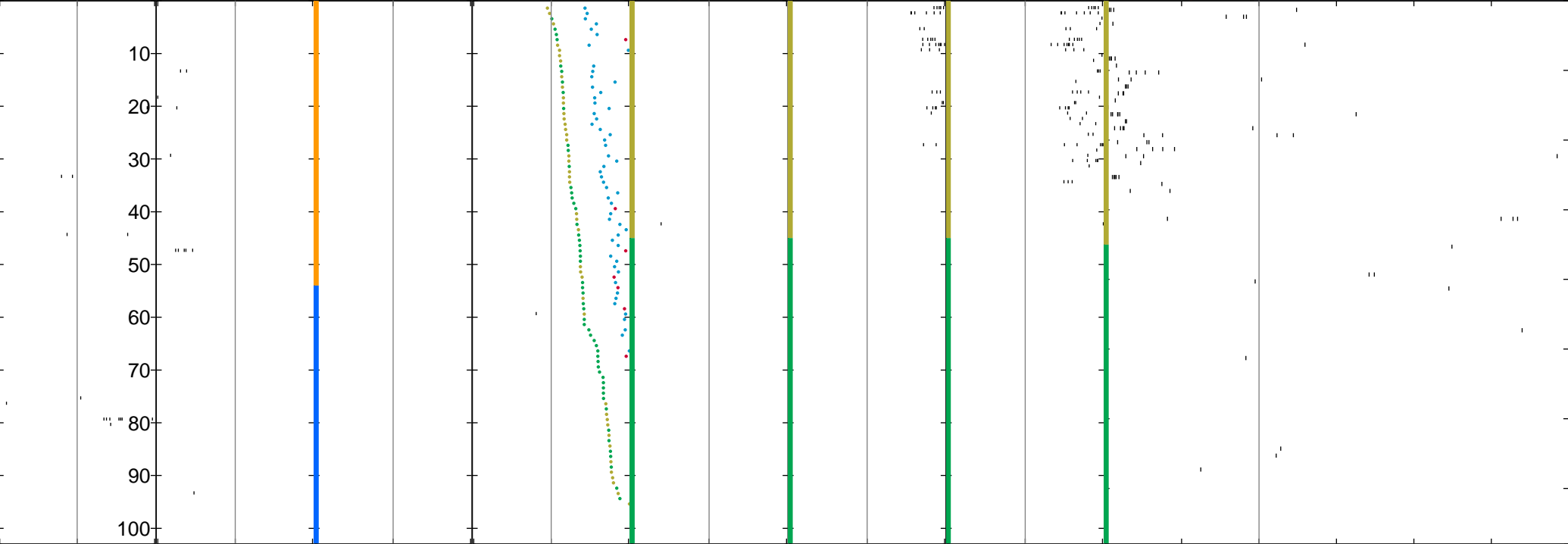
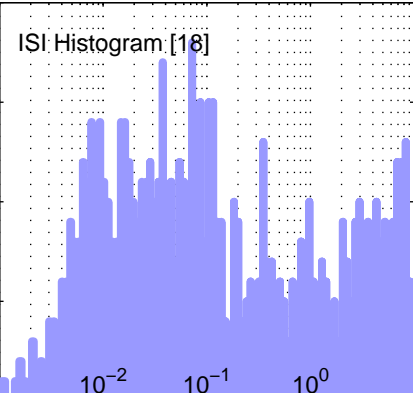
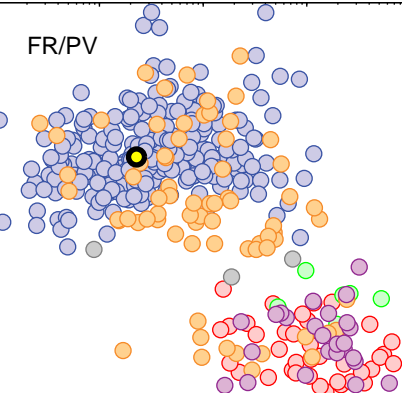
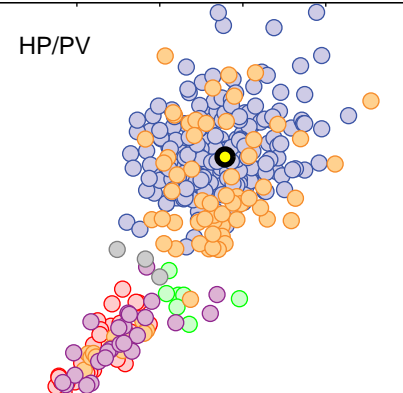
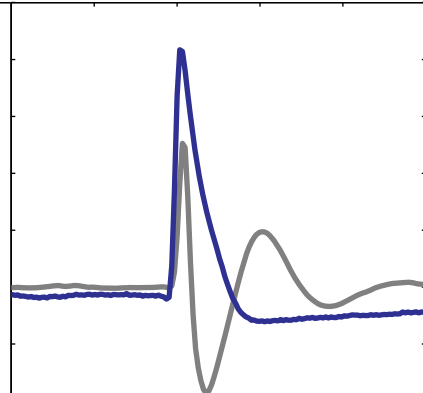
β_T : -1.5 β_D : -1.5

β_P : 1.7 SI: -1

Session FR: 0.228 Hz

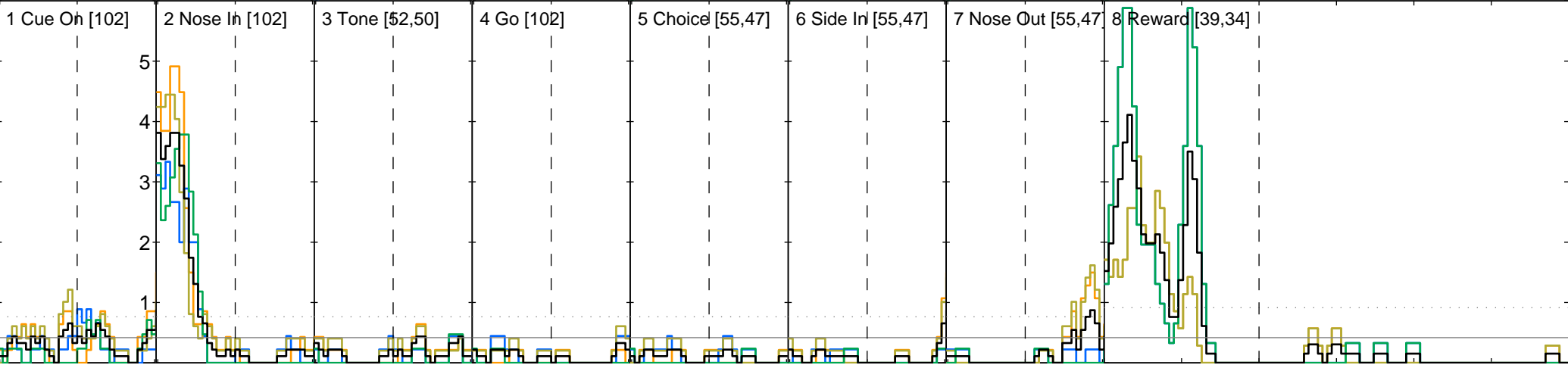
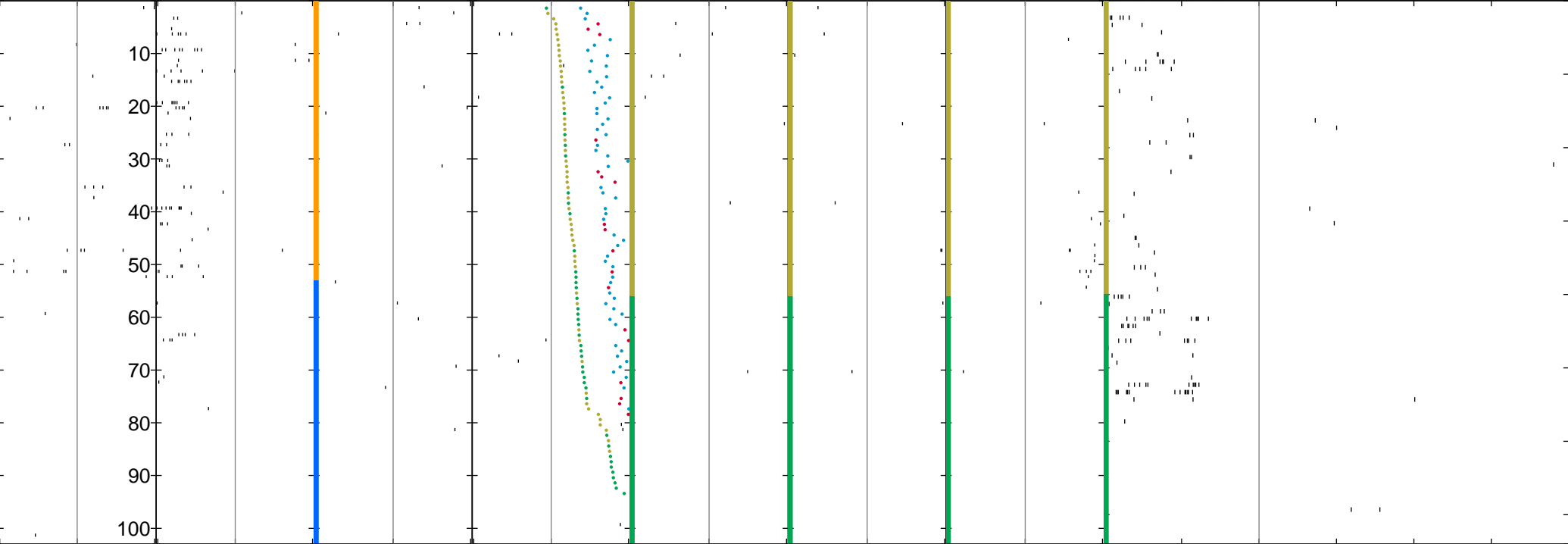
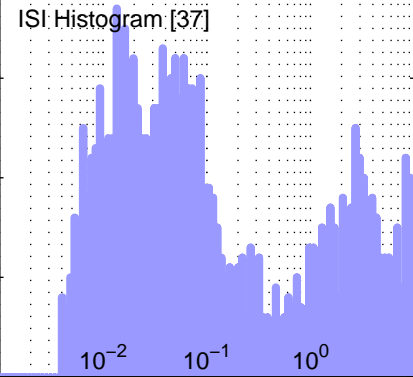
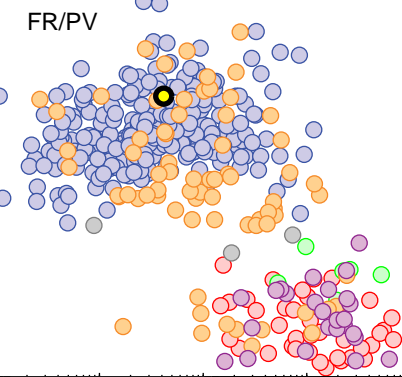
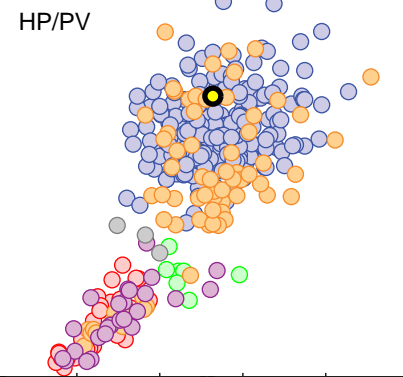
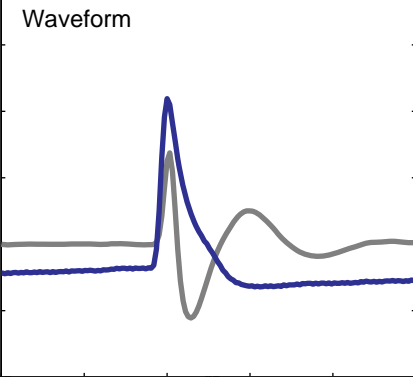
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 9.15Hz (-0.97s) **MSN**



Cell: C0320070623T07a

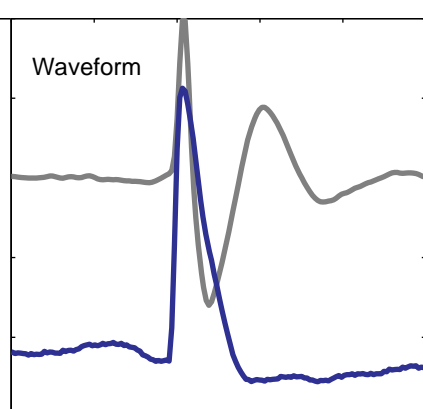
AP: 0.96 ML: 3.6 DV: 6.3
w: 3 n: 1582 $P_{ISI>2}$: 0.93
1/2pw: 264 μ s p->v: 981 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.417 Hz
Pk Ev: 8 - Reward (T2/Ipsi)
Pk FR: 5.88Hz (-0.88s) **MSN**



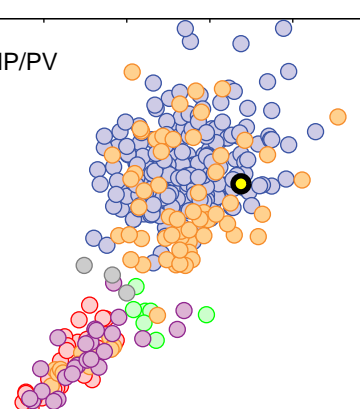
Cell: C0520070402T09a

AP: 0.72 ML: 2.4 DV: 4.3
w: 1 n: 5165 $P_{ISI>2}$: 0.72
1/2pw: 338 μ s p \rightarrow v: 832 μ s
 β_T : 1.7 β_D : -5.6
 β_P : 3.2 SI: NaN
Session FR: 1.13 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 6.94Hz (-0.85s) **MSN**

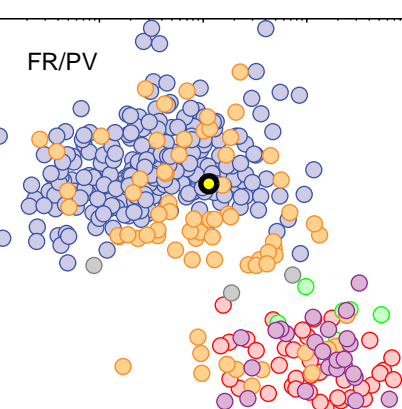
Waveform



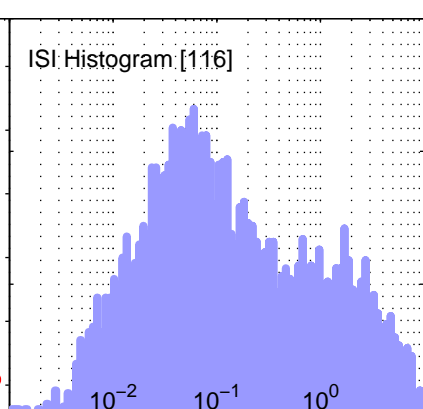
HP/PV



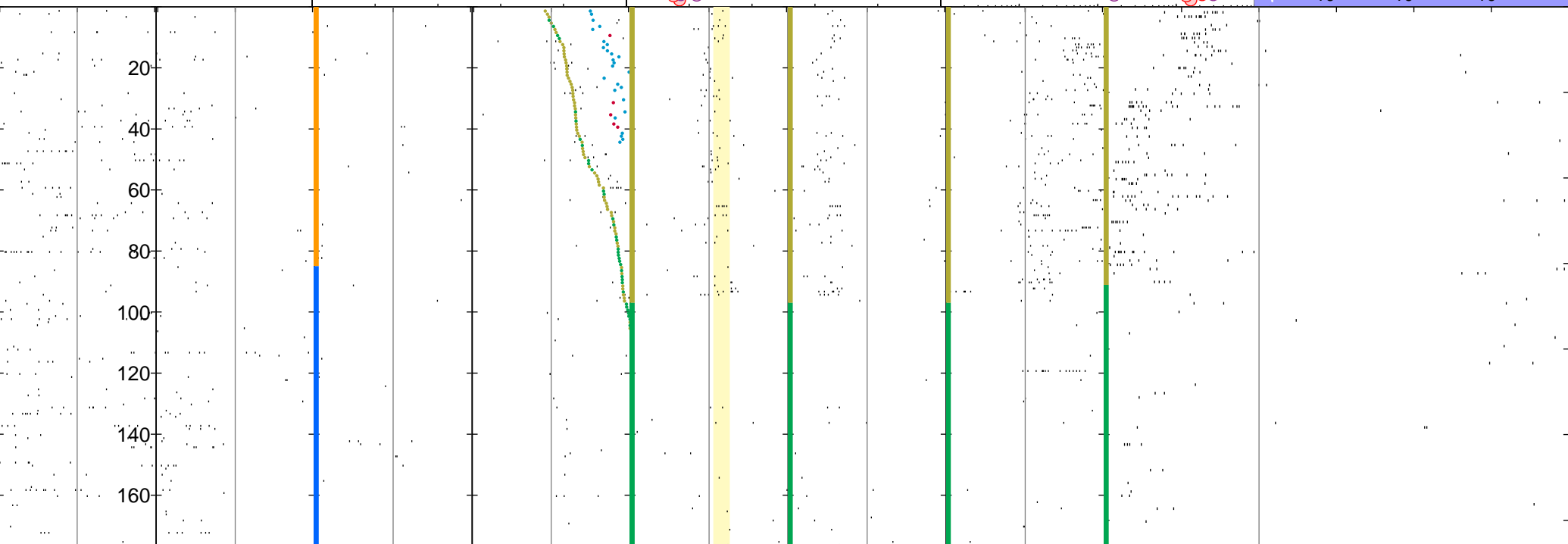
FR/PV



ISI Histogram [116]

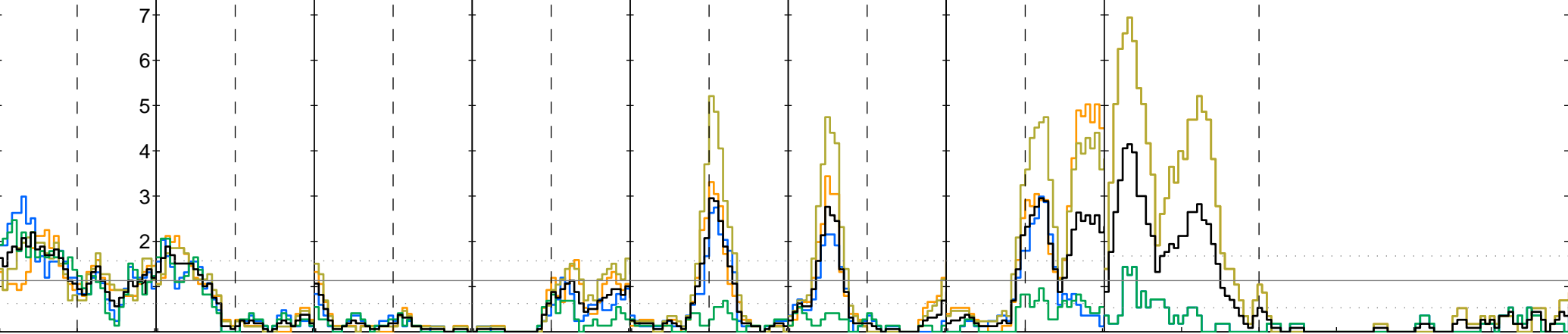


20
40
60
80
100
120
140
160



1 Cue On [177] 2 Nose In [177] 3 Tone [84,93] 4 Go [177] 5 Choice [96,81] 6 Side In [96,81] 7 Nose Out [96,81] 8 Reward [64,62]

7
6
5
4
3
2



Cell: C0320070630T09h

AP: 1.6 ML: 3.7 DV: 6.2

w: 2 n: 5141 $P_{ISI>2}$: 0.14

1/2pw: 245 μ s p \rightarrow v: 887 μ s

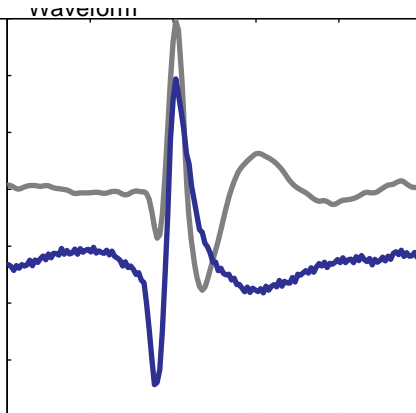
β_T : -0.35 β_D : -0.49

β_P : 1 SI: NaN

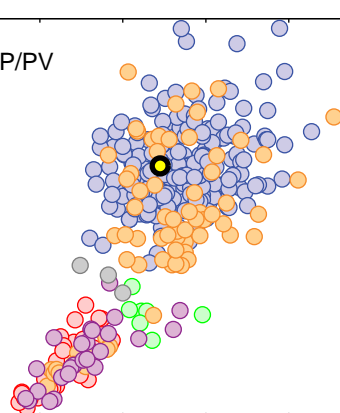
Session FR: 1.69 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

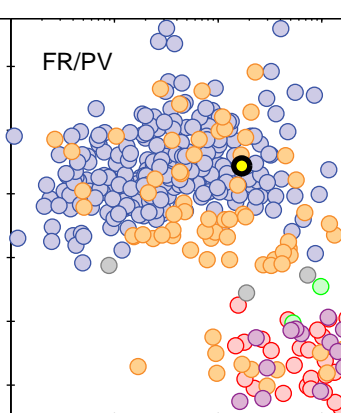
Pk FR: 5.08Hz (-0.76s) MSN



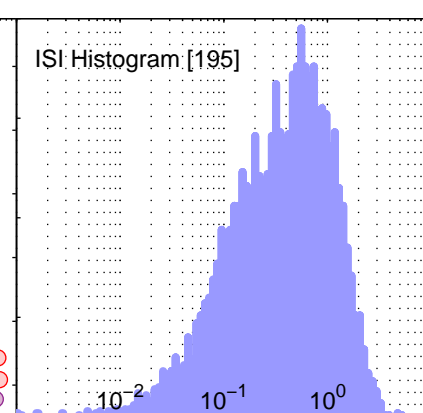
HP/PV



FR/PV



ISI Histogram [195]



10

20

30

40

50

60

70

80

1 Cue On [82]

2 Nose In [82]

3 Tone [38,44]

4 Go [82]

5 Choice [35,47]

6 Side In [35,47]

7 Nose Out [35,47]

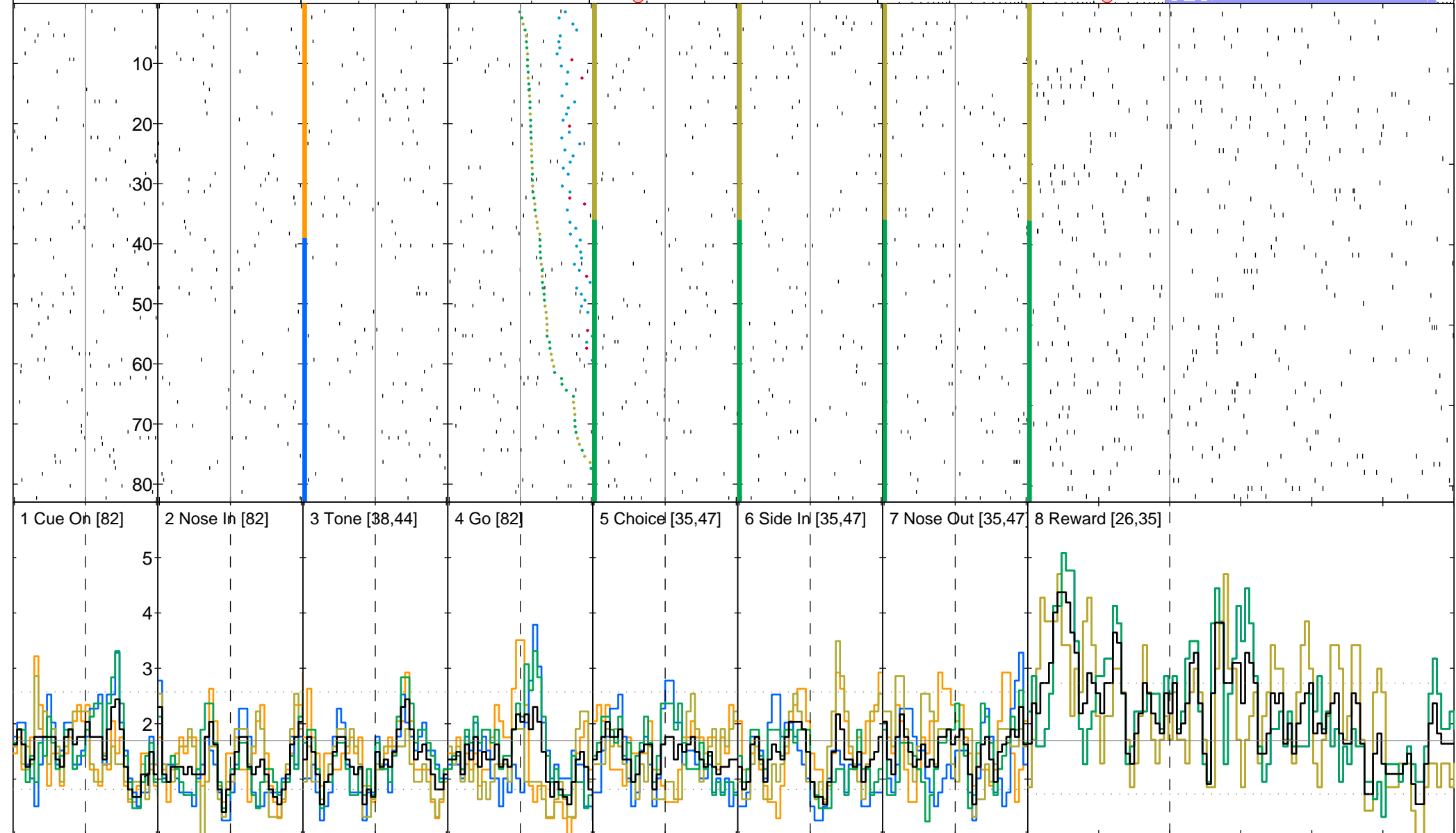
8 Reward [26,35]

5

4

3

2



Cell: C0320070625T07c

AP: 0.96 ML: 3.6 DV: 6.6

w: 3 n: 18055 $P_{ISI>2}$: 0.1

1/2pw: 248 μ s p \rightarrow v: 682 μ s

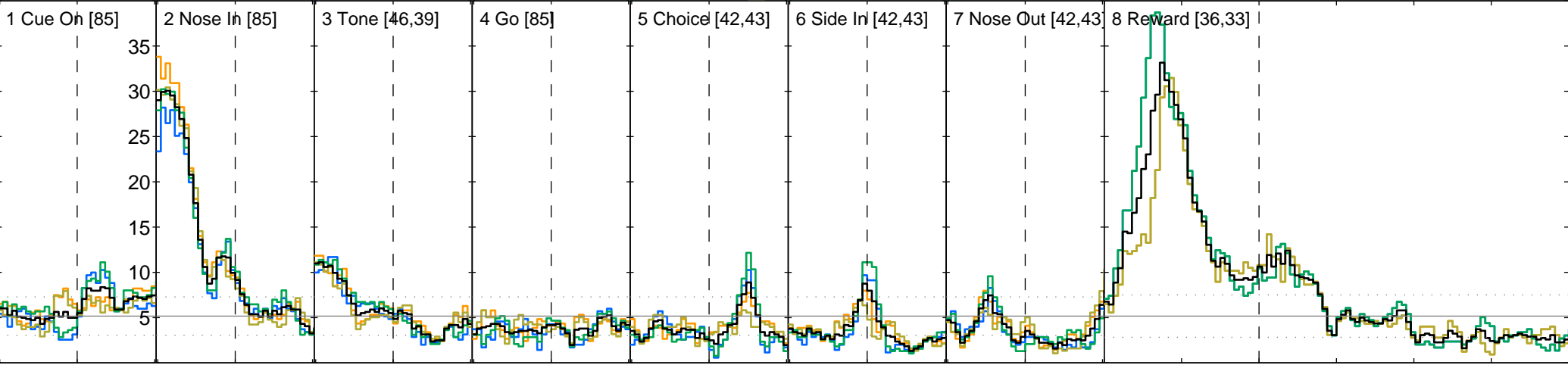
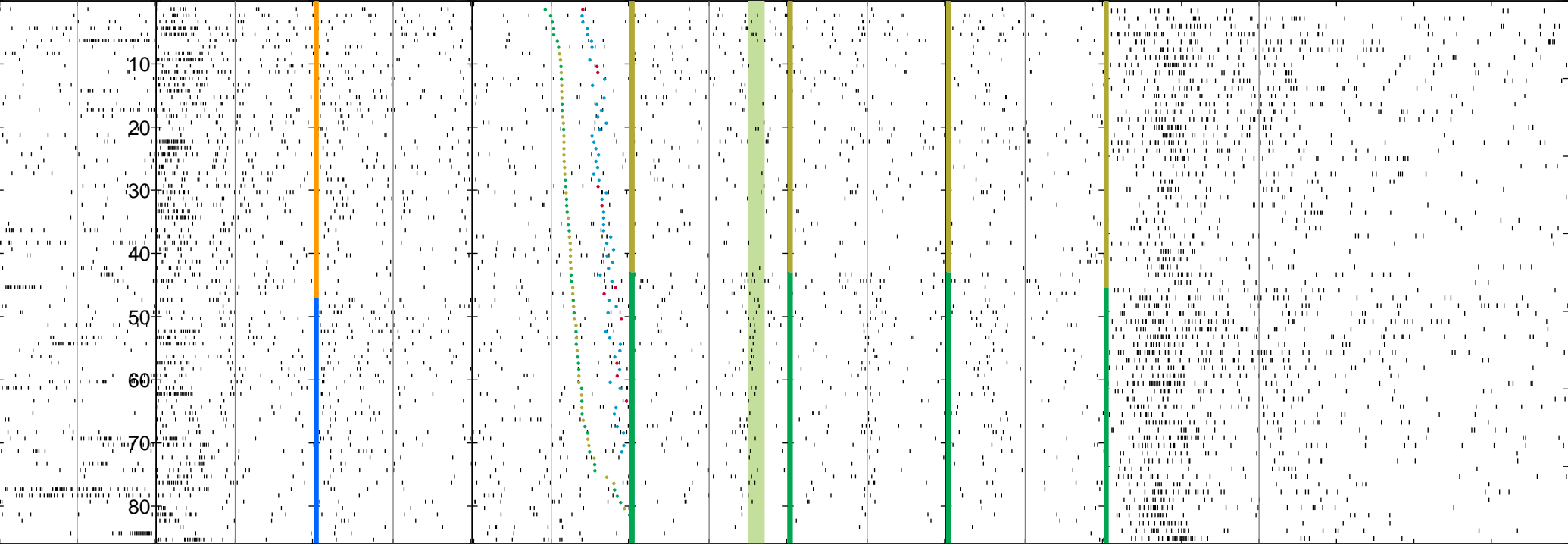
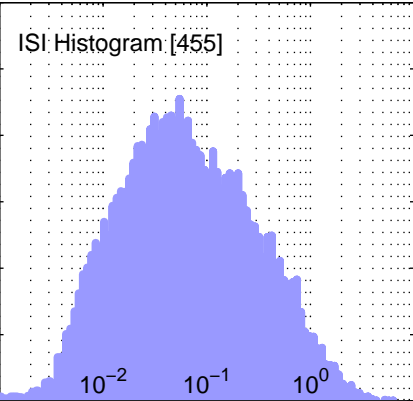
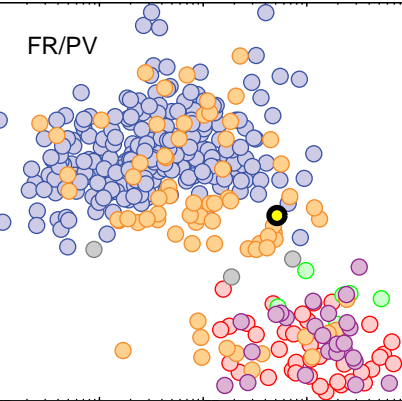
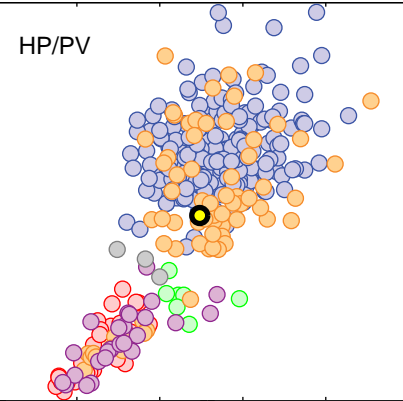
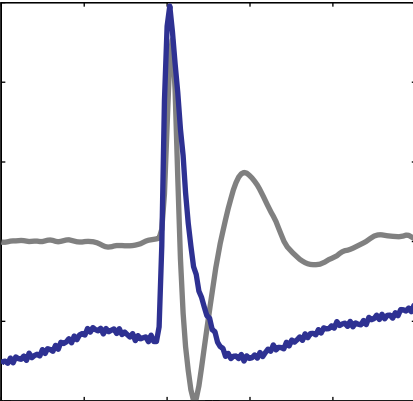
β_T : -3.6 β_D : 3.1

β_P : 3 SI: 0.57

Session FR: 5.16 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 38.7Hz (-0.67s) **MSN**



Cell: C1220071022T11f

AP: -2.8 ML: 4.2 DV: 6.6

w: 2 n: 7209 $P_{ISI>2}$: 0.72

1/2pw: 338 μ s p->v: 864 μ s

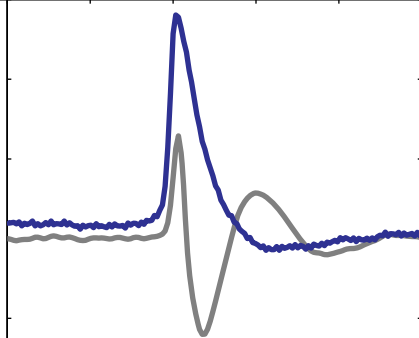
β_T : -2 β_D : 4.5

β_P : 3.5 SI: 0.72

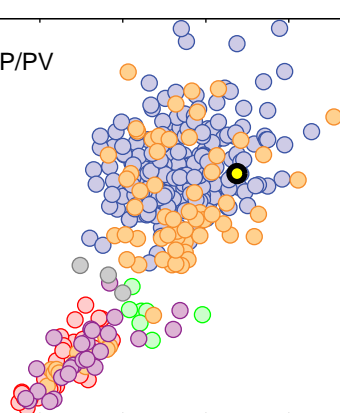
Session FR: 1.22 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

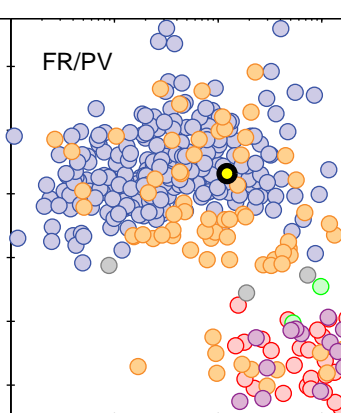
Pk FR: 24Hz (-0.58s) MSN



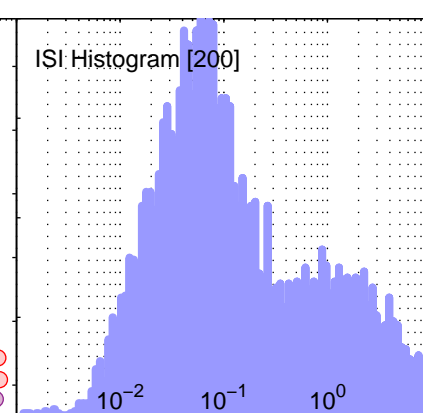
HP/PV



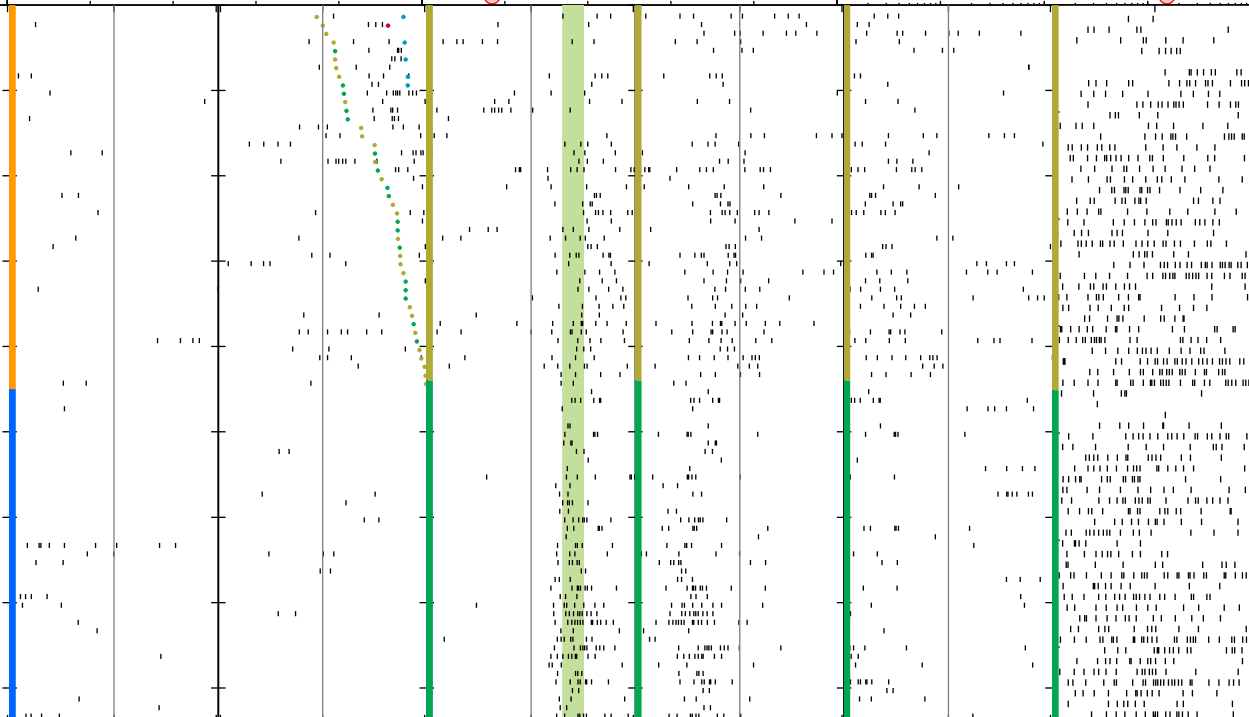
FR/PV



ISI Histogram [200]



10
20
30
40
50
60
70
80



1 Cue On [83]

2 Nose In [83]

3 Tone [44,39]

4 Go [83]

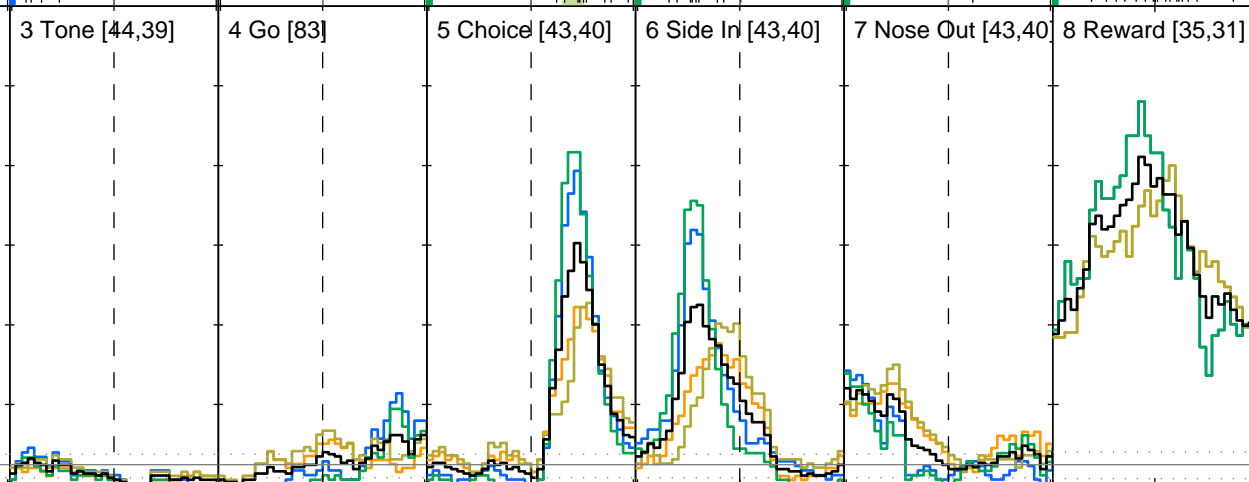
5 Choice [43,40]

6 Side In [43,40]

7 Nose Out [43,40]

8 Reward [35,31]

25
20
15
10
5



Cell: C0320070627T11a

AP: -0.96 ML: 3.7 DV: 6.6

w: 2 n: 13651 $P_{ISI>2}$: 0.0036

1/2pw: 264 μ s p \rightarrow v: 1118 μ s

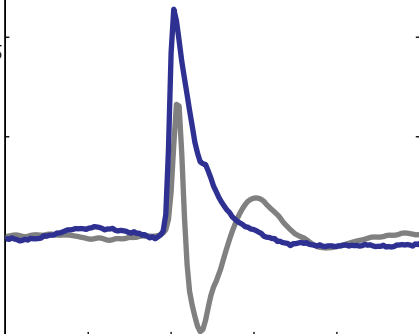
β_T : -3.4 β_D : 2.9

β_P : -3.3 SI: 0.49

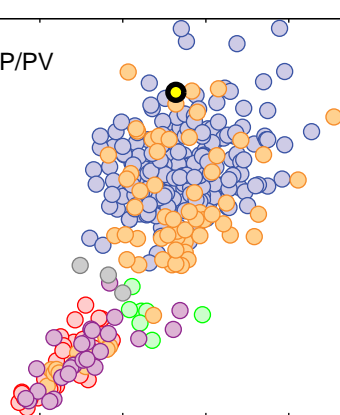
Session FR: 5.57 Hz

Pk Ev: 8 - Reward (T1/Con)

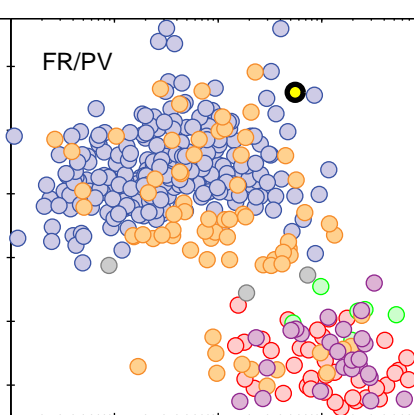
Pk FR: 15.1Hz (-0.49s) **MSN**



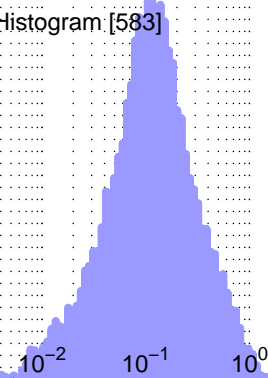
HP/PV



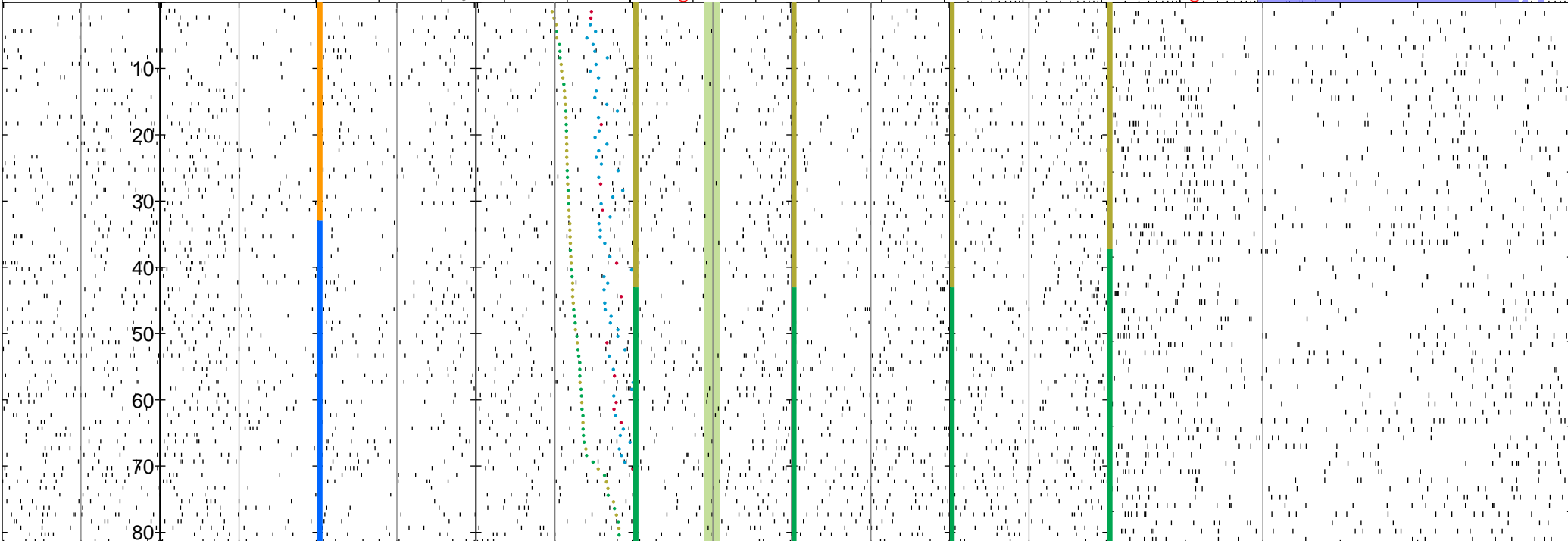
FR/PV



ISI Histogram [583]



10
20
30
40
50
60
70
80



1 Cue On [81]

2 Nose In [81]

3 Tone [32,49]

4 Go [81]

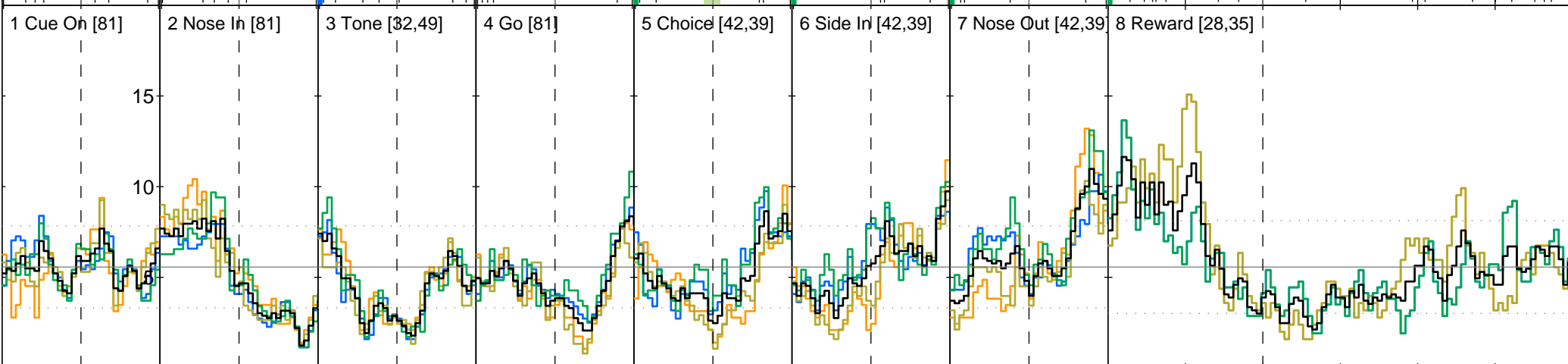
5 Choice [42,39]

6 Side In [42,39]

7 Nose Out [42,39]

8 Reward [28,35]

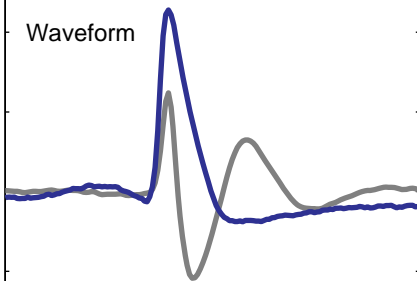
15
10



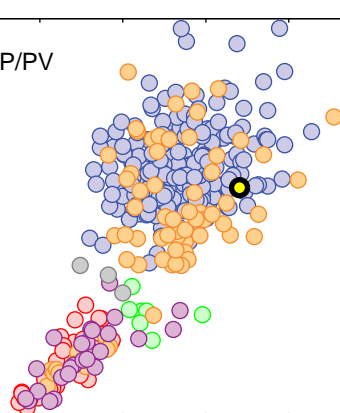
Cell: C0320070619T09g

AP: 1.6 ML: 3.7 DV: 5
w: 3 n: 3549 $P_{ISI>2}$: 0.74
1/2pw: 341 μ s p->v: 819 μ s
 β_T : 2.7 β_D : -2.6
 β_P : -2.1 SI: NaN
Session FR: 0.837 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 8.82Hz (-0.4s) **MSN**

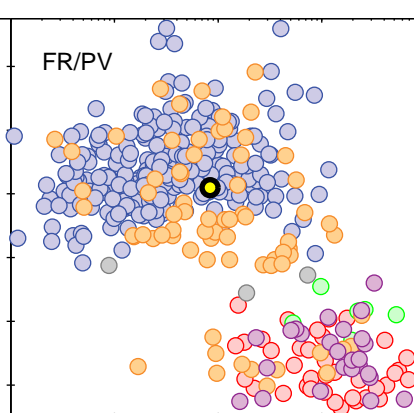
Waveform



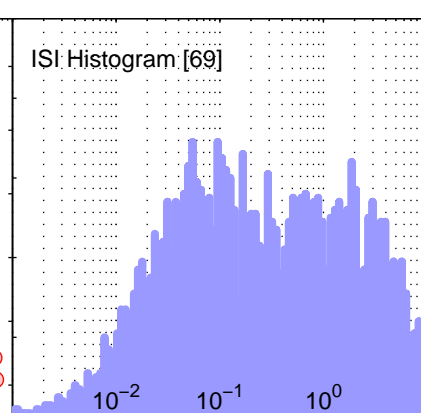
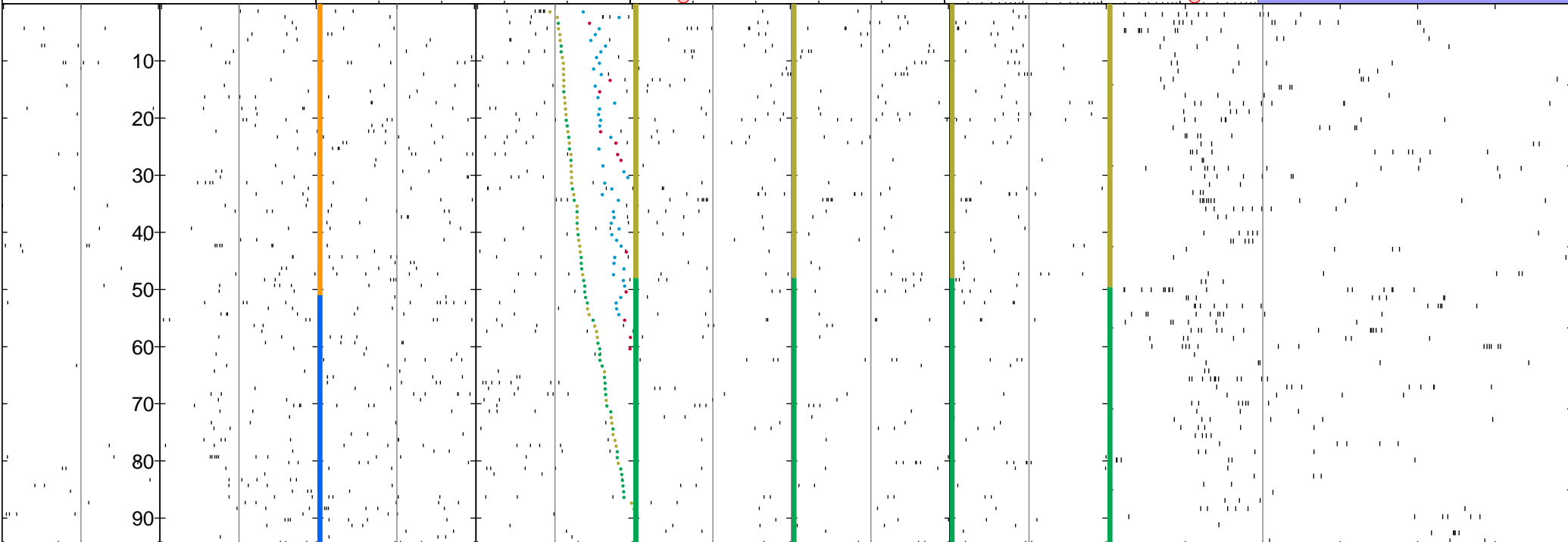
HP/PV



FR/PV



ISI Histogram [69]

10
20
30
40
50
60
70
80
90

1 Cue On [94]

2 Nose In [94]

3 Tone [50,44]

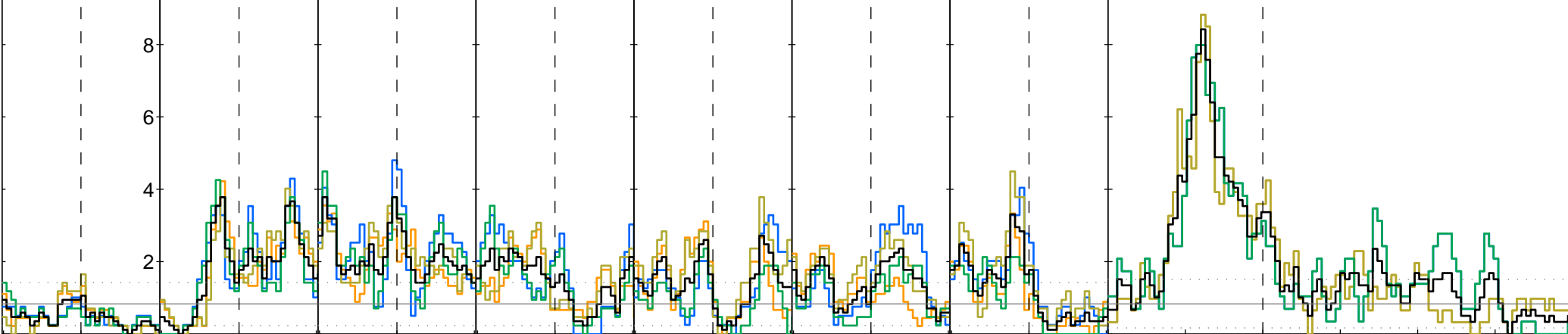
4 Go [94]

5 Choice [47,47]

6 Side In [47,47]

7 Nose Out [47,47]

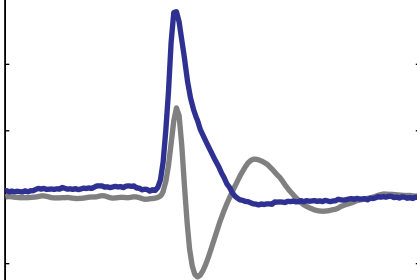
8 Reward [34,32]

8
6
4
2

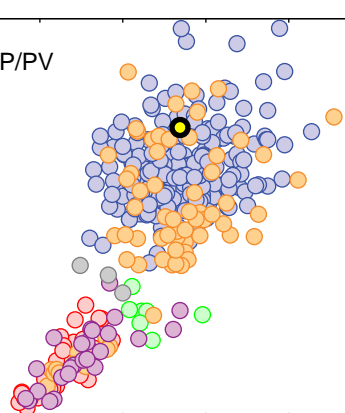
Cell: C0320070619T07e

AP: 0.96 ML: 3.6 DV: 5.8
w: 4 n: 2111 $P_{ISI>2}$: 0.89
1/2pw: 269 μ s p->v: 1008 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.497 Hz
Pk Ev: 8 - Reward (T2/Ipsi)
Pk FR: 6.25Hz (-0.34s) **MSN**

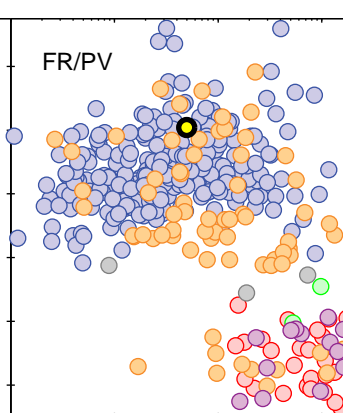
Waveform



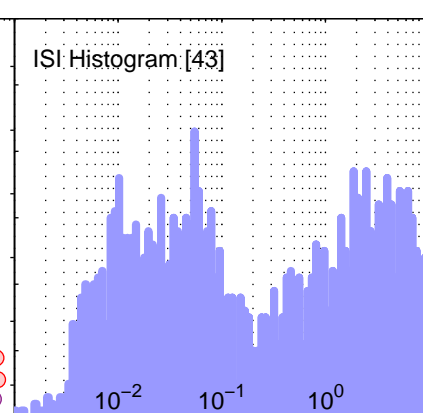
HP/PV



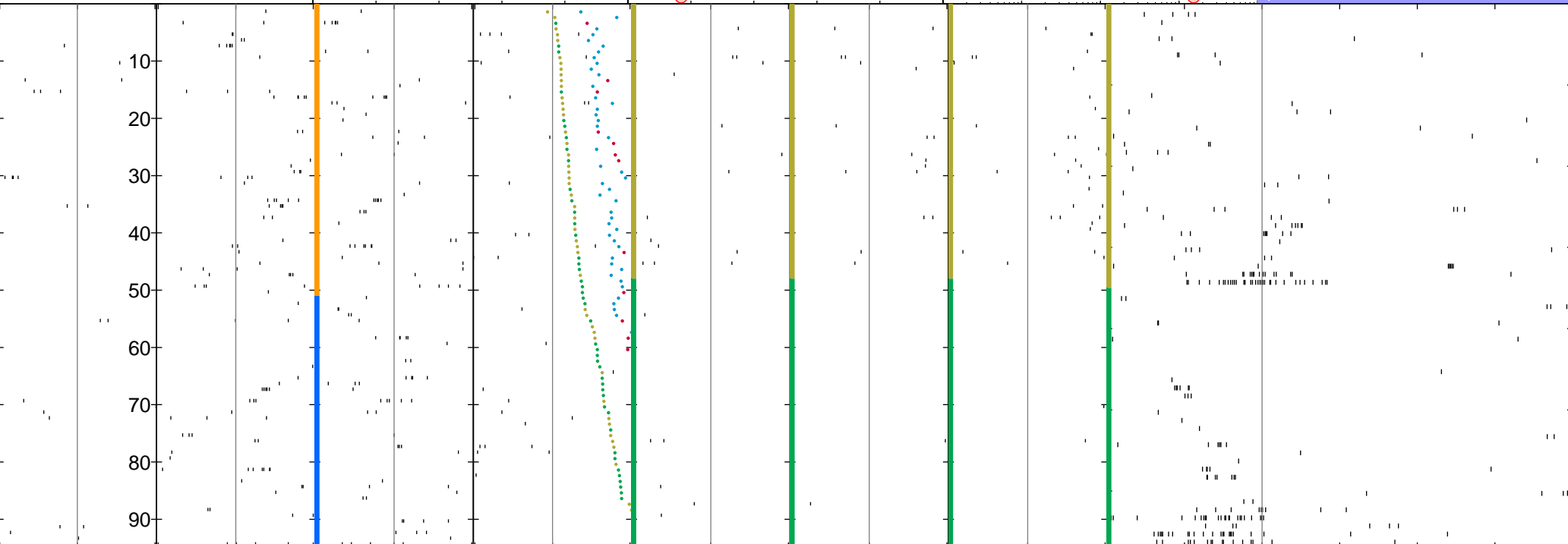
FR/PV



ISI Histogram [43]

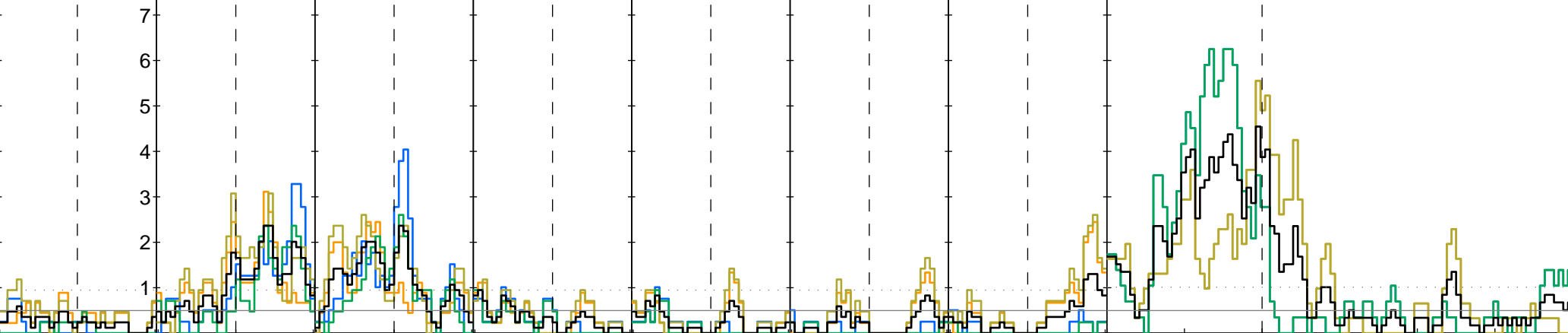


10
20
30
40
50
60
70
80
90



1 Cue On [94] 2 Nose In [94] 3 Tone [50,44] 4 Go [94] 5 Choice [47,47] 6 Side In [47,47] 7 Nose Out [47,47] 8 Reward [34,32]

7
6
5
4
3
2
1



Cell: C0320070702T11b

AP: -0.96 ML: 3.7 DV: 7.4

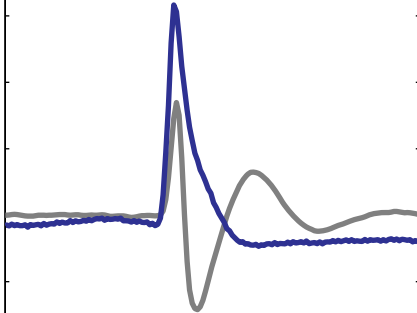
w: 2 n: 12524 $P_{ISI>2}$: 0.21/2pw: 234 μ s p->v: 792 μ s β_T : -2.4 β_D : -1.9 β_P : -2.4 SI: -0.4

Session FR: 3.59 Hz

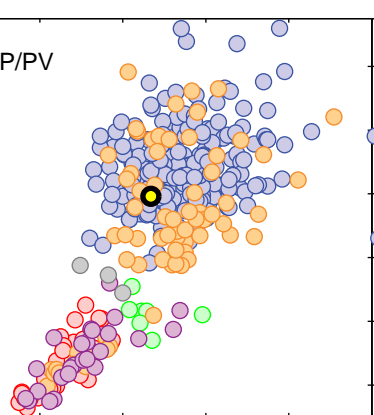
Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 22.6Hz (-0.25s) **MSN**

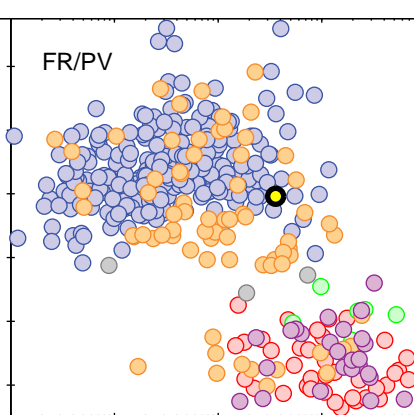
Waveform



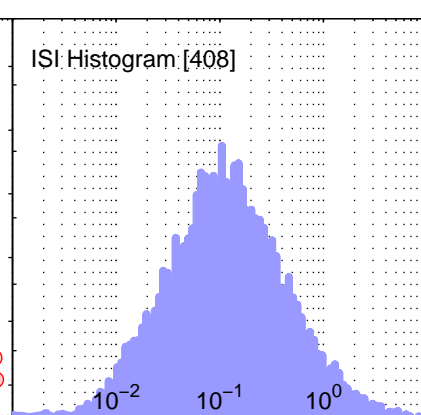
HP/PV



FR/PV



ISI Histogram [408]



10

20

30

40

50

60

70

80

1 Cue On [87]

2 Nose In [87]

3 Tone [47,40]

4 Go [87]

5 Choice [48,39]

6 Side In [48,39]

7 Nose Out [48,39]

8 Reward [38,30]

25

20

15

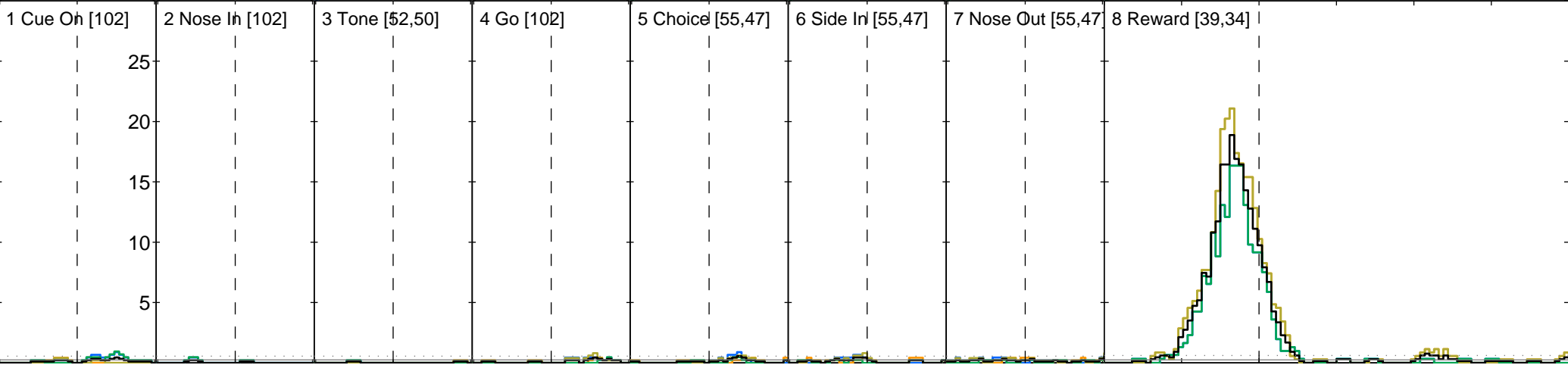
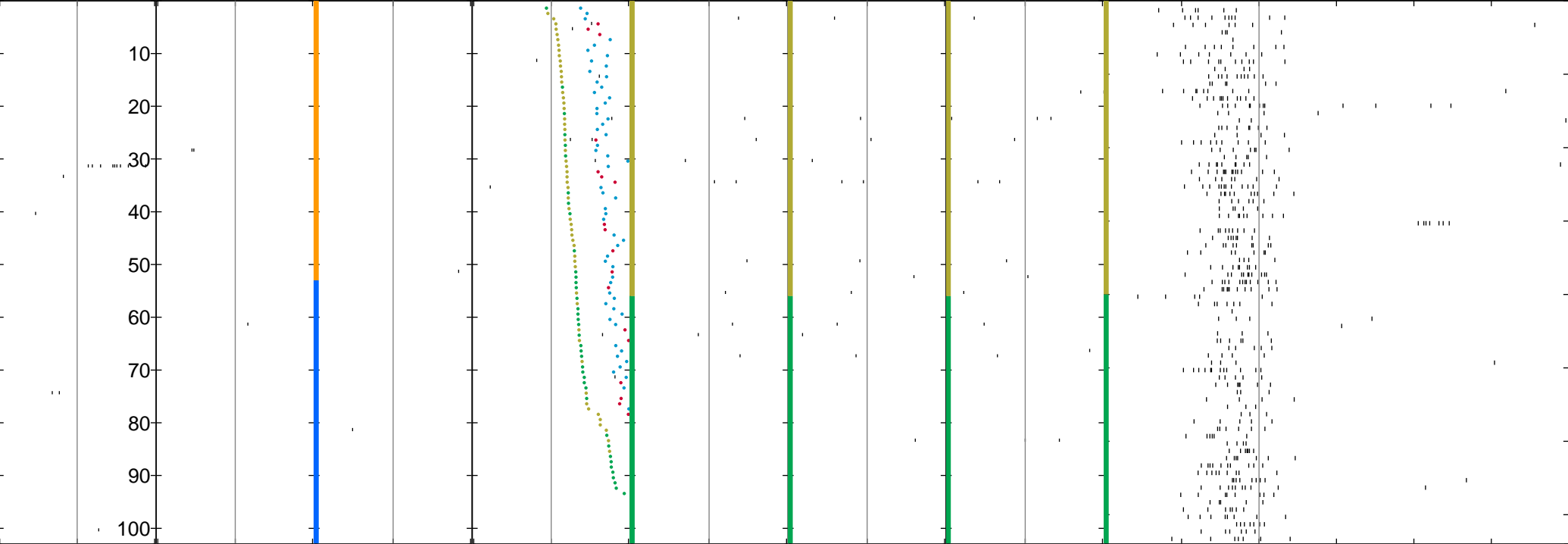
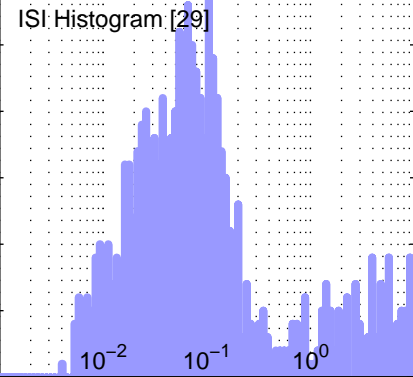
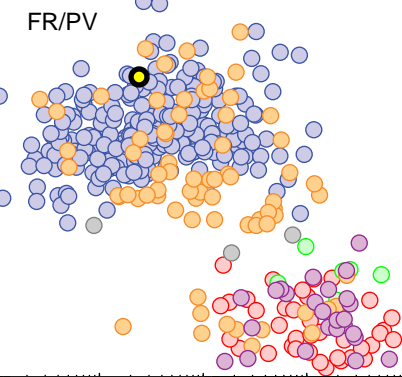
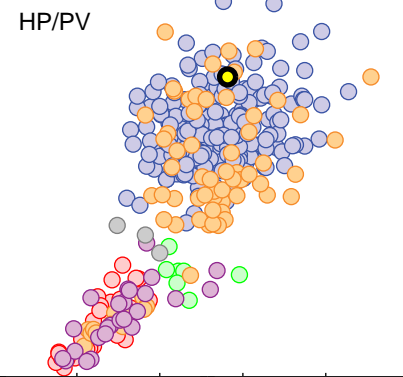
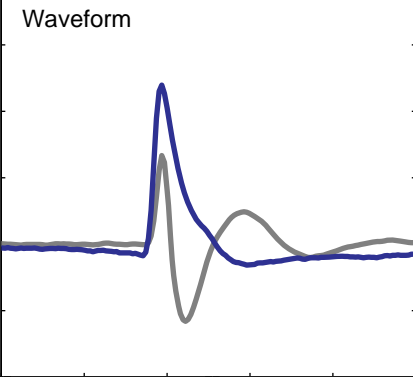
10

5



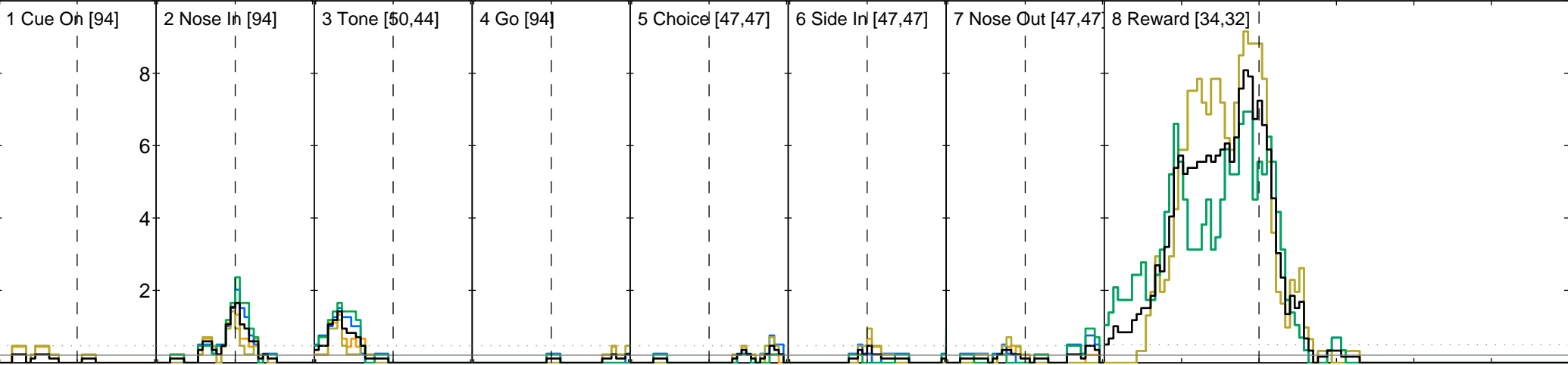
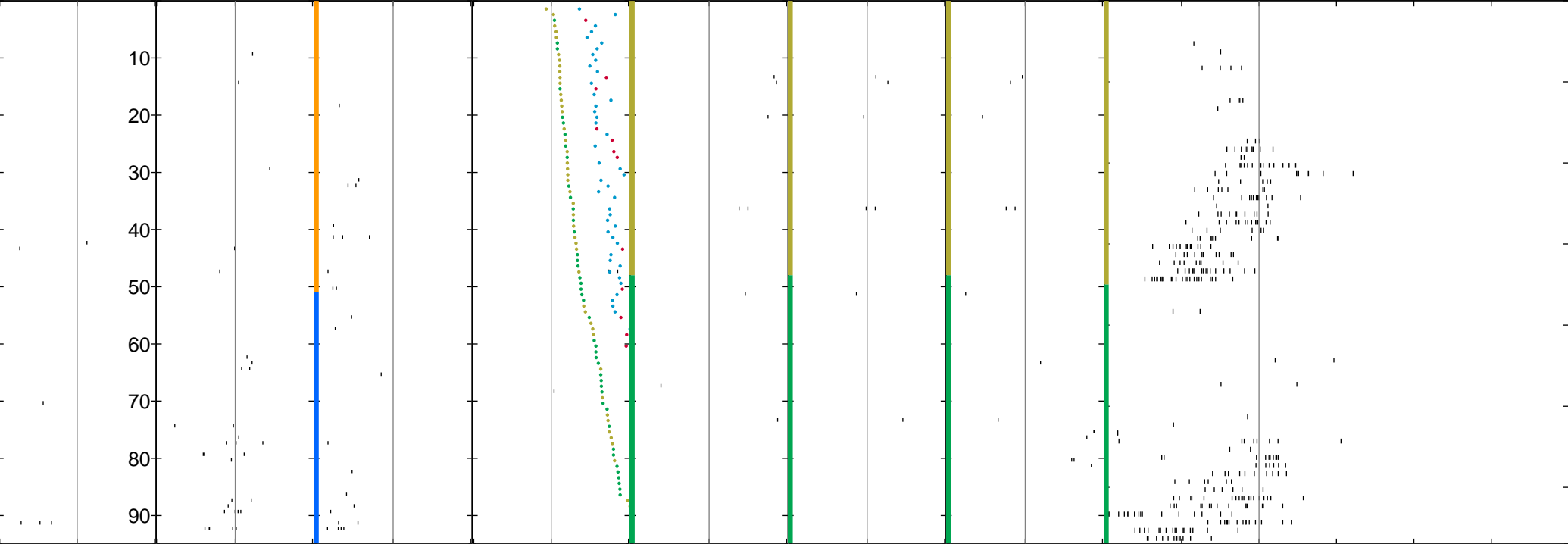
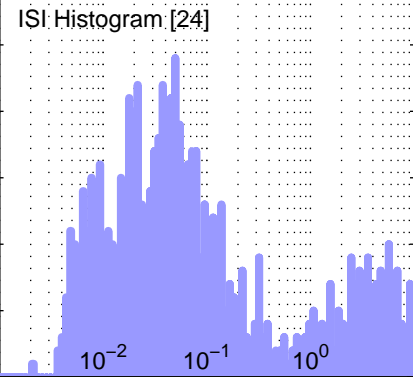
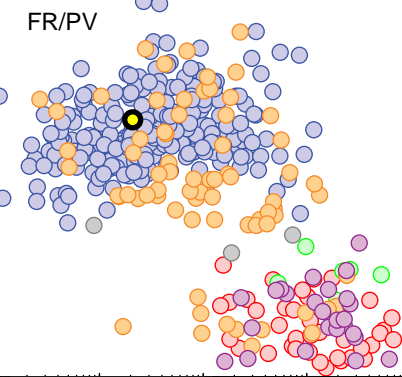
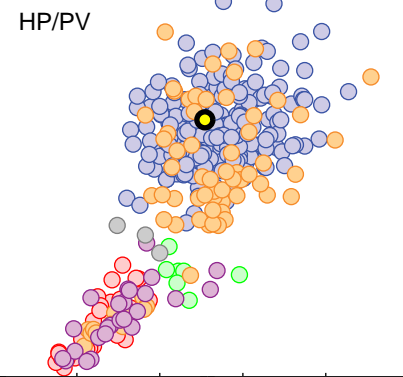
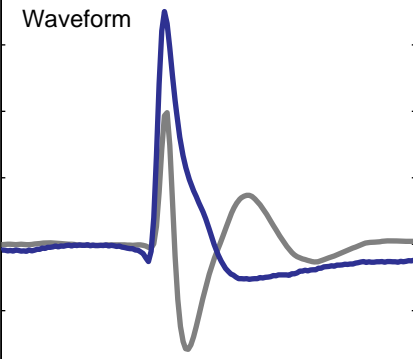
Cell: C0320070623T09d

AP: 1.6 ML: 3.7 DV: 5.3
w: 2 n: 908 $P_{ISI>2}$: 0.97
1/2pw: 282 μ s p->v: 1042 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.241 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 21.1Hz (-0.19s) **MSN**



Cell: C0320070619T09d

AP: 1.6 ML: 3.7 DV: 5
w: 2 n: 885 $P_{ISI>2}$: 0.98
1/2pw: 254 μ s p->v: 907 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.21 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 9.15Hz (-0.1s) **MSN**



Cell: C1220071022T11b

AP: -2.8 ML: 4.2 DV: 6.6

w: 2 n: 1959 $P_{ISI>2}$: 0.93

1/2pw: 370 μ s p->v: 1152 μ s

β_T : NaN β_D : NaN

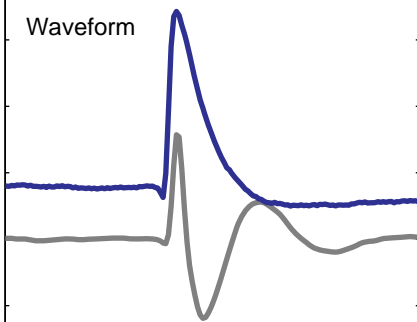
β_P : NaN SI: NaN

Session FR: 0.332 Hz

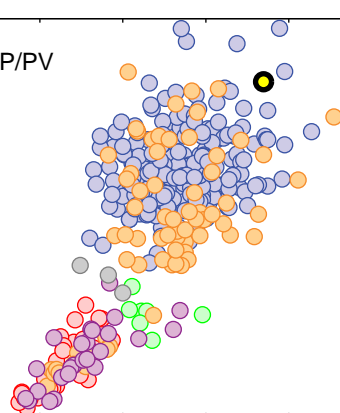
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 10.5Hz (-0.1s) **MSN**

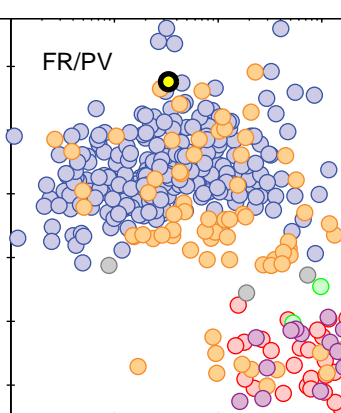
Waveform



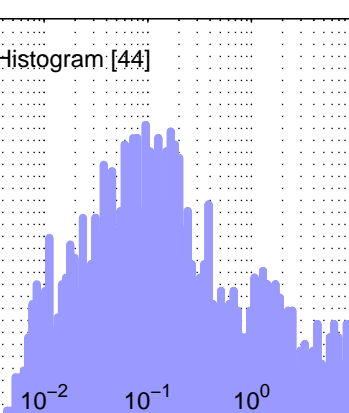
HP/PV



FR/PV



ISI Histogram [44]



10

20

30

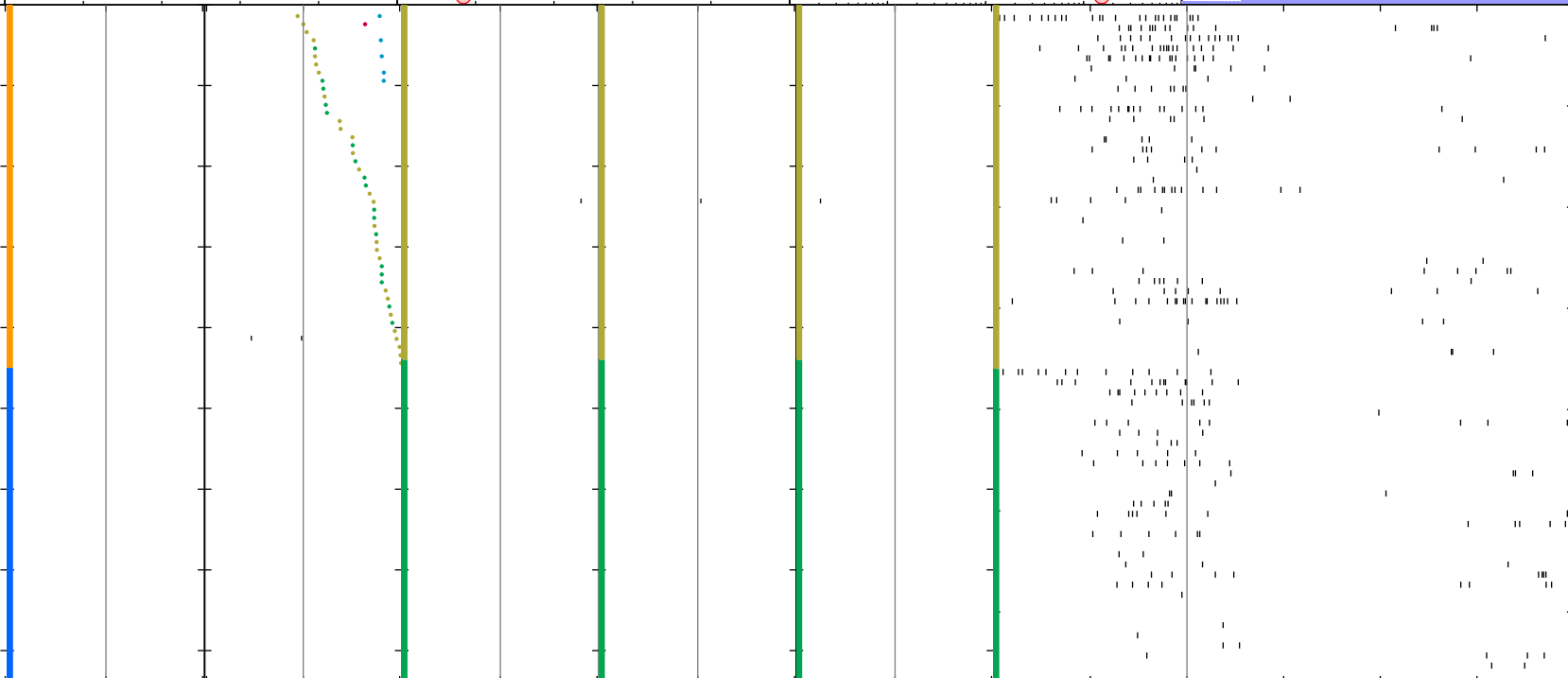
40

50

60

70

80



10

5

1 Cue On [83]

2 Nose In [83]

3 Tone [44,39]

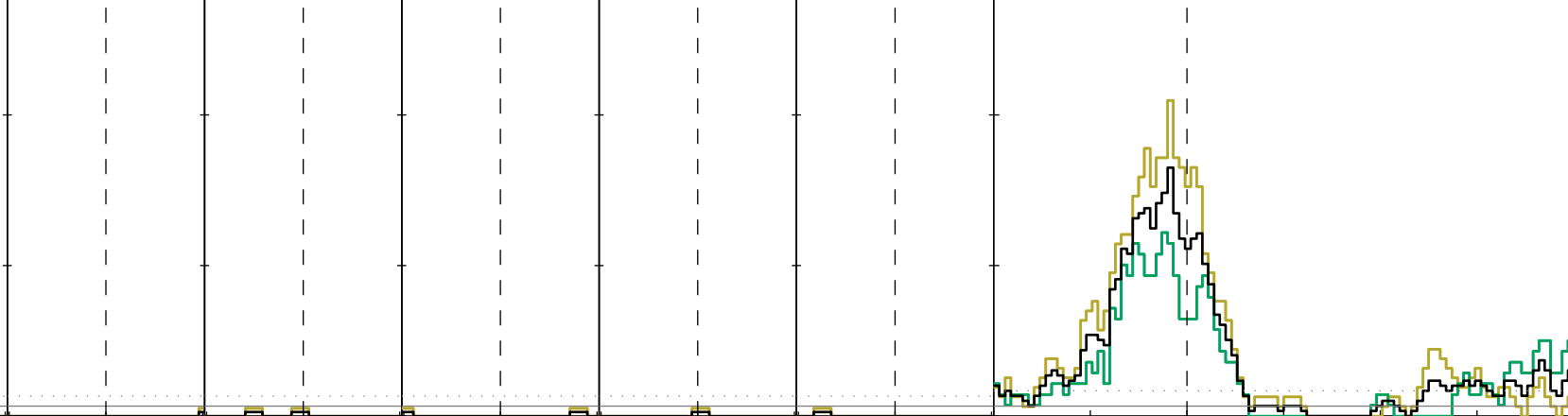
4 Go [83]

5 Choice [43,40]

6 Side In [43,40]

7 Nose Out [43,40]

8 Reward [35,31]



Cell: C0320070611T09c

AP: 1.6 ML: 3.7 DV: 4.7

w: 2 n: 17204 $P_{ISI>2}$: 0.33

1/2pw: 290 μ s p->v: 896 μ s

β_T : 2 β_D : 0.41

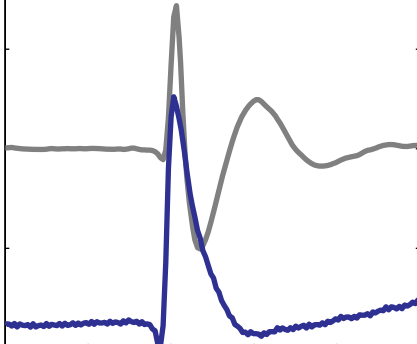
β_P : -2.4 SI: NaN

Session FR: 2.3 Hz

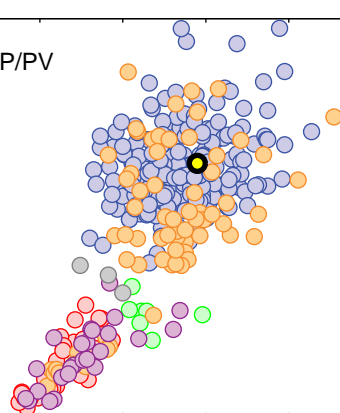
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 38Hz (-0.01s) **MSN**

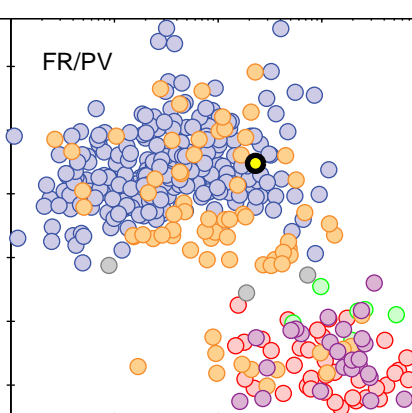
Waveform



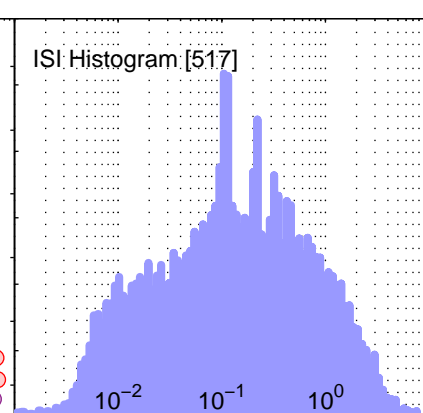
HP/PV



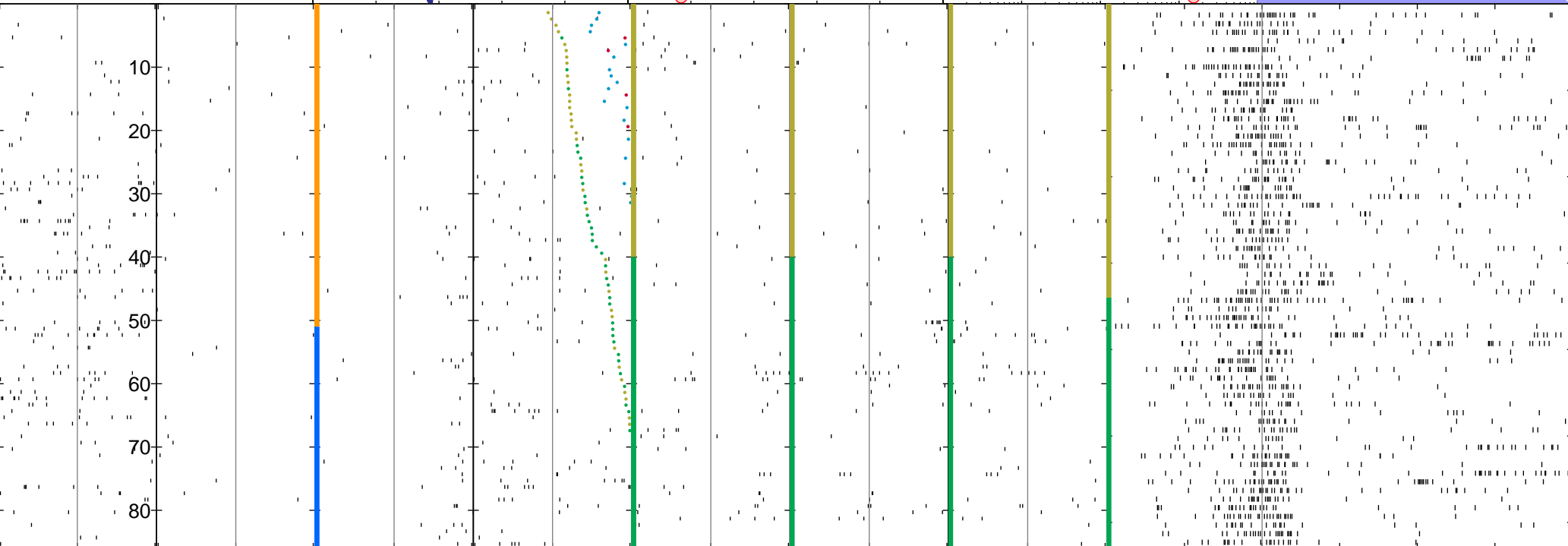
FR/PV



ISI Histogram [517]

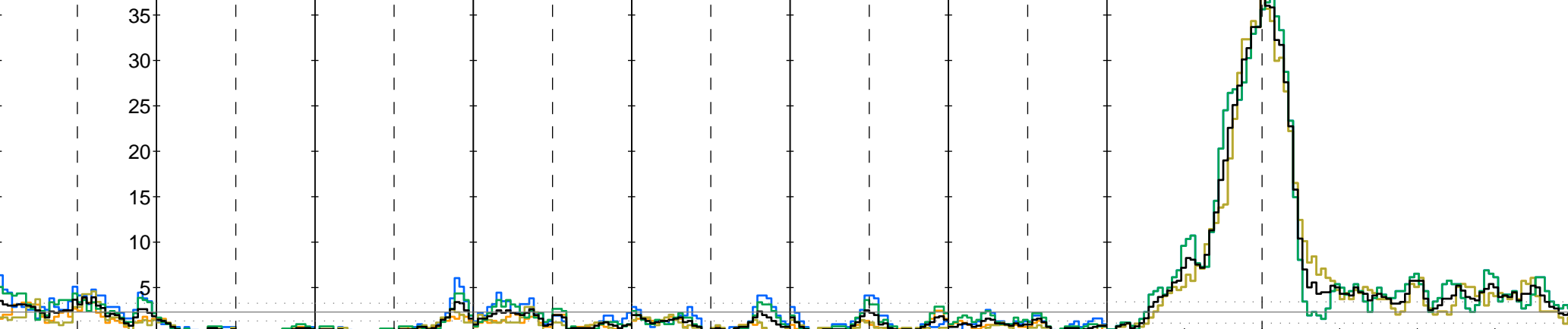


10
20
30
40
50
60
70
80



1 Cue On [85] 2 Nose In [85] 3 Tone [50,35] 4 Go [85] 5 Choice [39,46] 6 Side In [39,46] 7 Nose Out [39,46] 8 Reward [33,29]

35
30
25
20
15
10
5



Cell: C0320070613T07c

AP: 0.96 ML: 3.6 DV: 5.3

w: 3 n: 3146 $P_{ISI>2}$: 0.89

1/2pw: 280 μ s p \rightarrow v: 1011 μ s

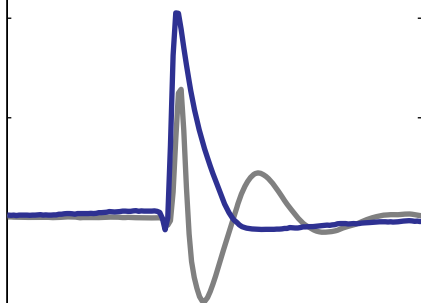
β_T : -1.5 β_D : 1.8

β_P : -1.3 SI: NaN

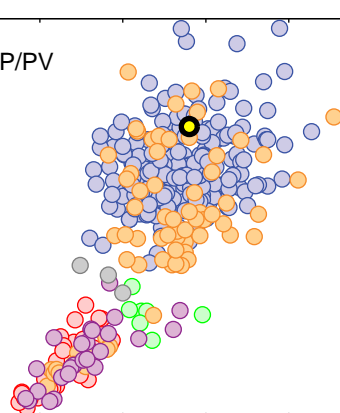
Session FR: 0.817 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

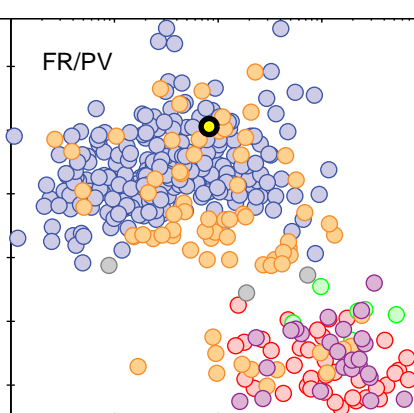
Pk FR: 14.7Hz (-0.01s) MSN



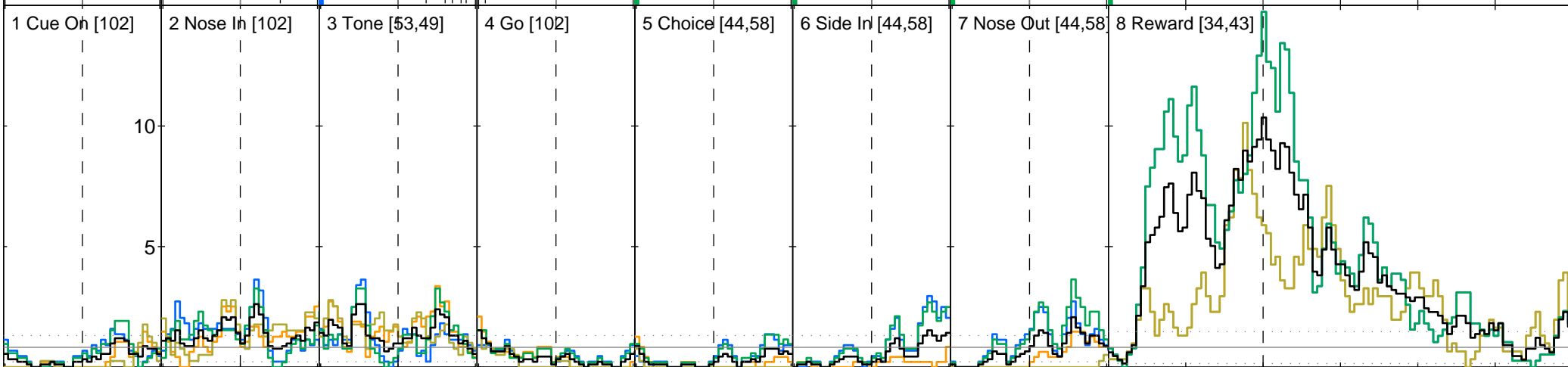
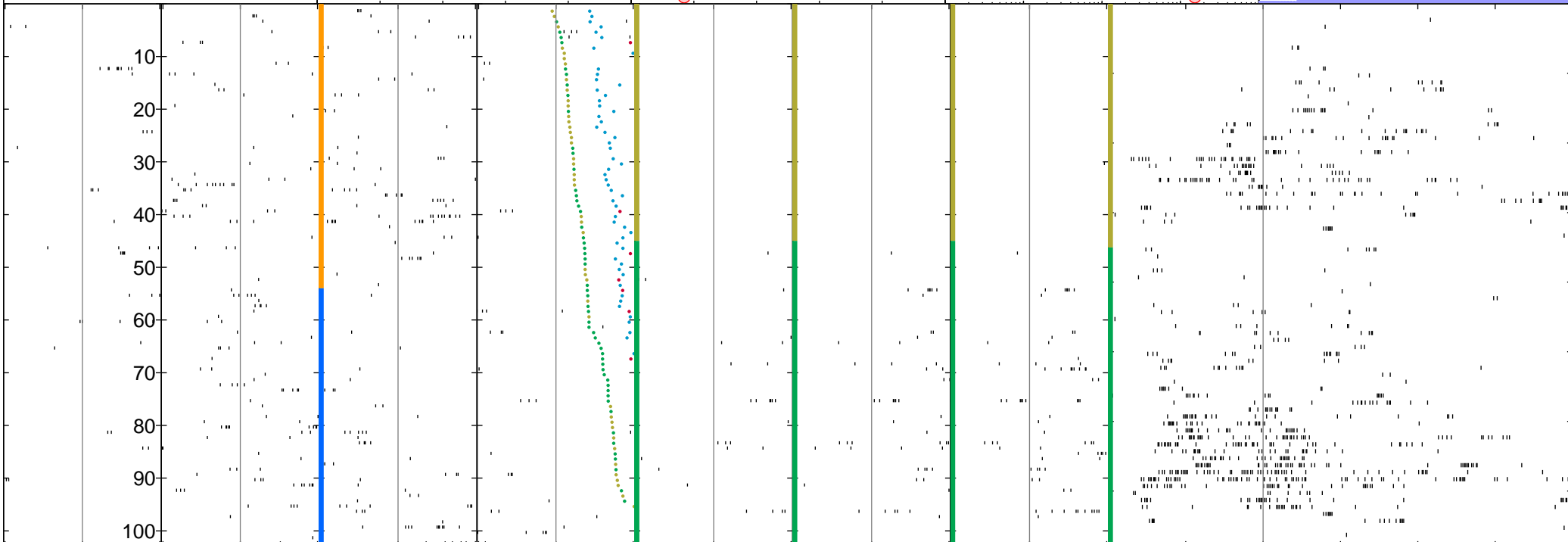
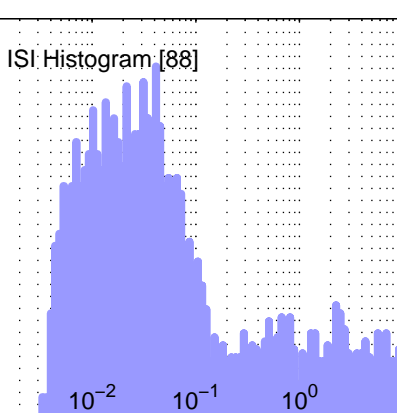
HP/PV



FR/PV



ISI Histogram [88]



Cell: C0320070630T09j

AP: 1.6 ML: 3.7 DV: 6.2

w: 4 n: 2688 $P_{ISI>2}$: 0.9

1/2pw: 318 μ s p \rightarrow v: 827 μ s

β_T : 1.6 β_D : -1.9

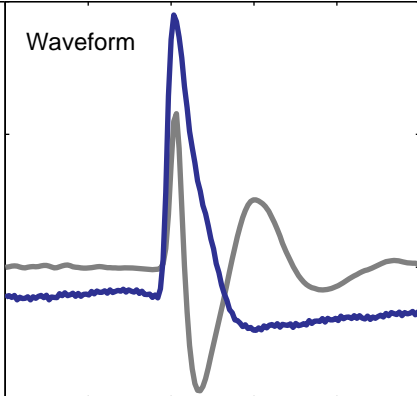
β_P : 2.6 SI: NaN

Session FR: 0.904 Hz

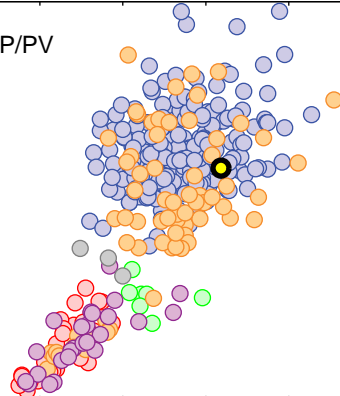
Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 34.3Hz (-0.01s) MSN

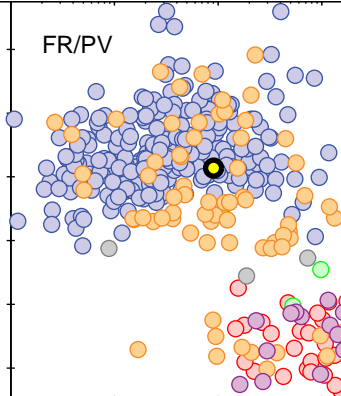
Waveform



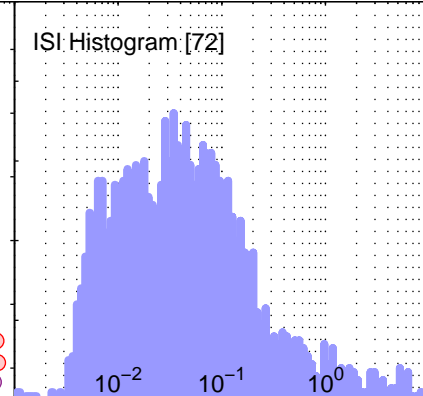
HP/PV



FR/PV



ISI Histogram [72]



10

20

30

40

50

60

70

80

1 Cue On [82]

2 Nose In [82]

3 Tone [38,44]

4 Go [82]

5 Choice [35,47]

6 Side In [35,47]

7 Nose Out [35,47]

8 Reward [26,35]

35

30

25

20

15

10

5

Cell: C0320070701T09c

AP: 1.6 ML: 3.7 DV: 6.3

w: 2 n: 2907 $P_{ISI>2}$: 0.92

1/2pw: 261 μ s p \rightarrow v: 931 μ s

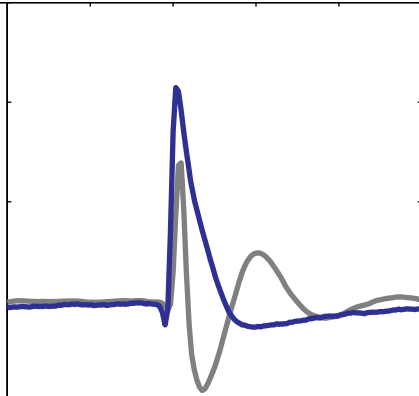
β_T : NaN β_D : NaN

β_P : NaN SI: NaN

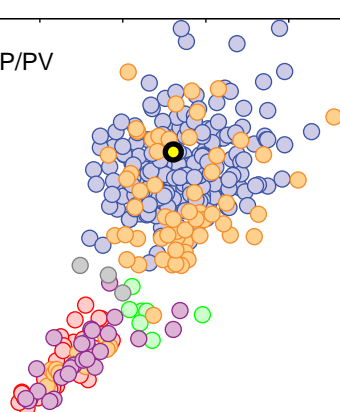
Session FR: 0.519 Hz

Pk Ev: 8 - Reward (T1/Con)

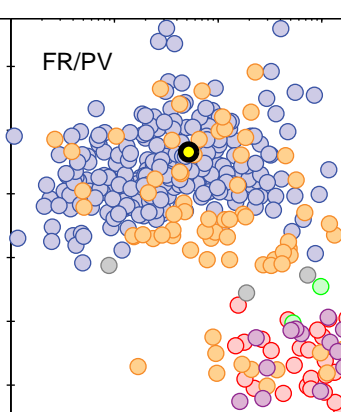
Pk FR: 24.1Hz (0.02s) MSN



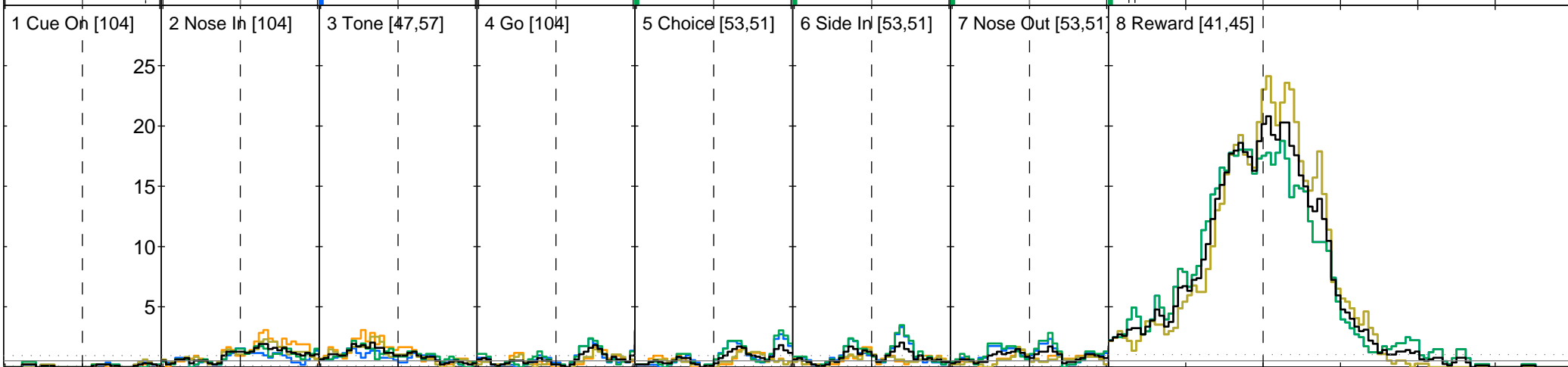
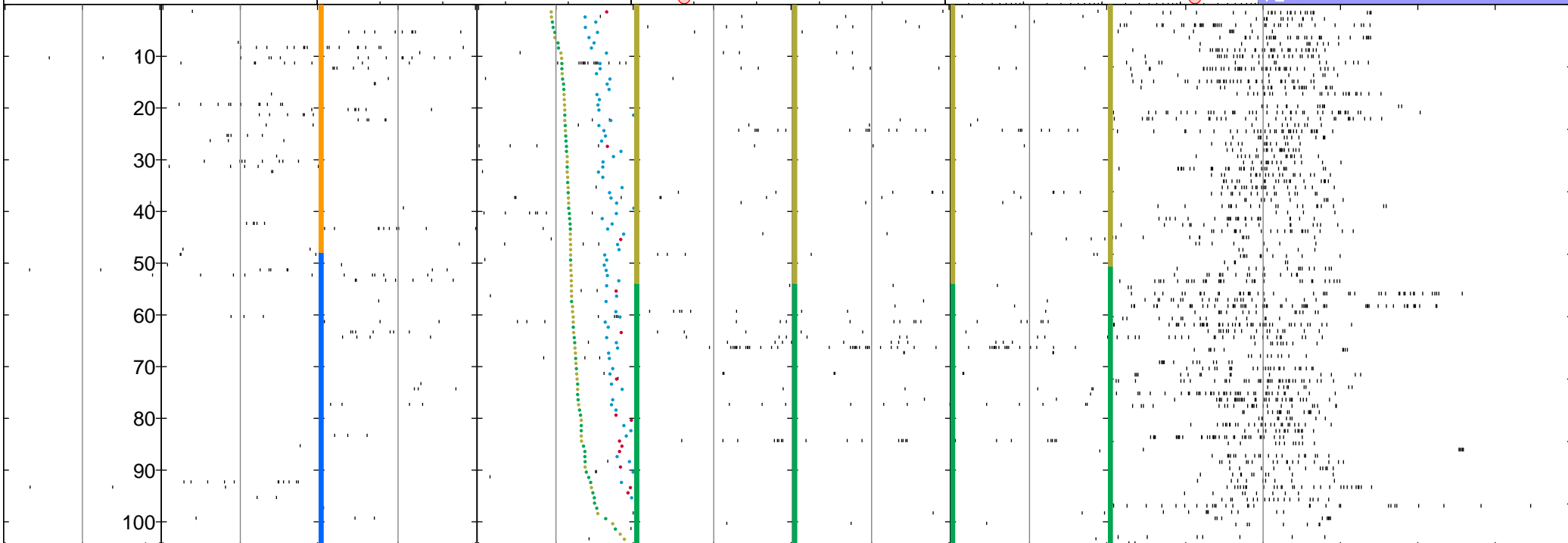
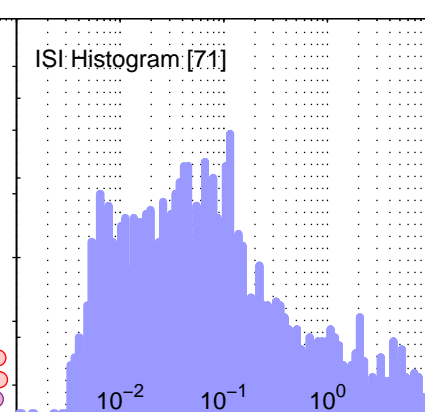
HP/PV



FR/PV

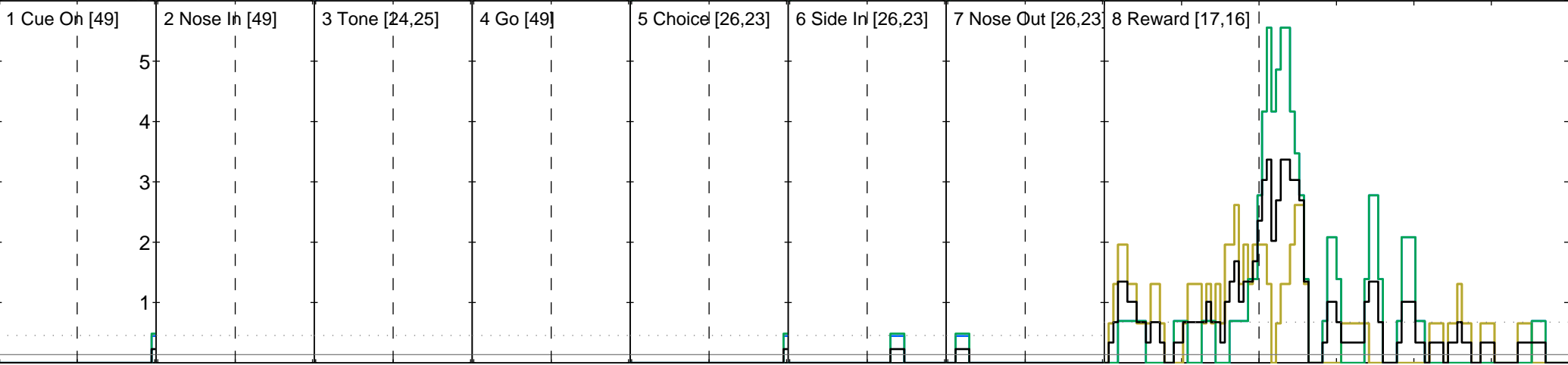
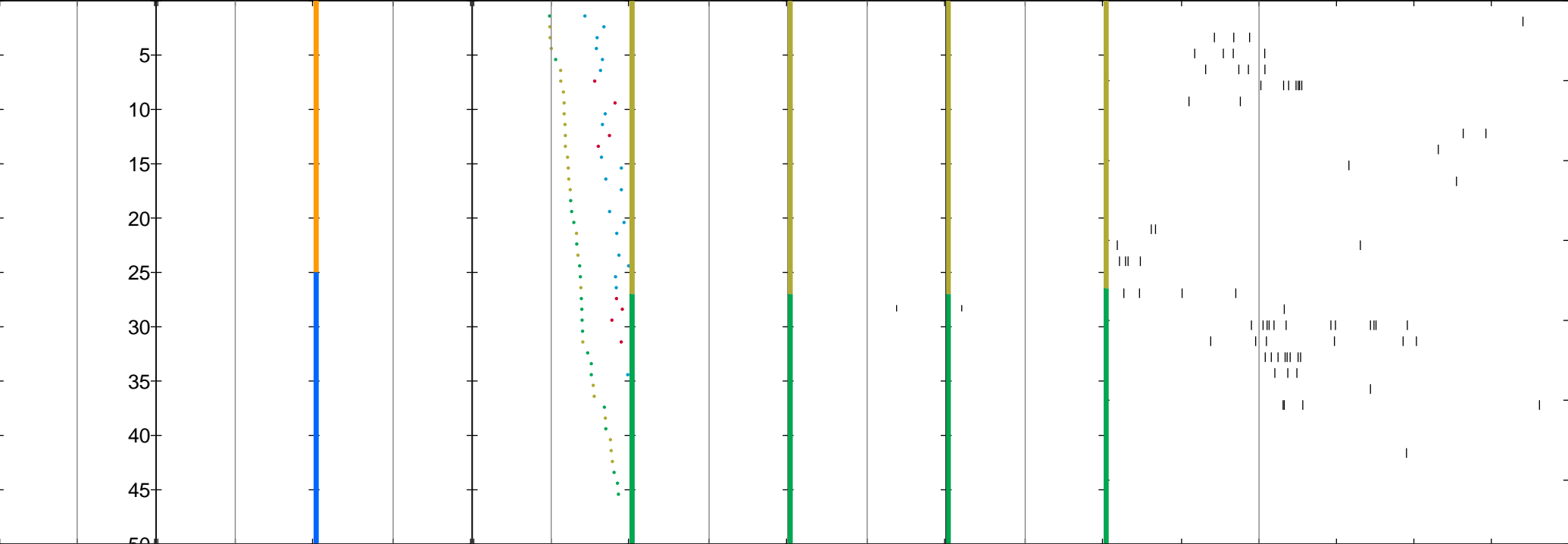
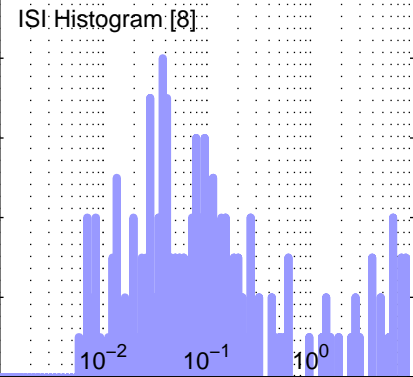
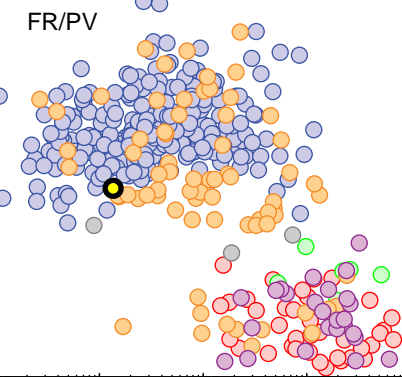
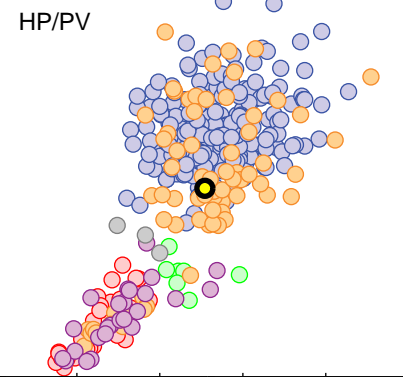
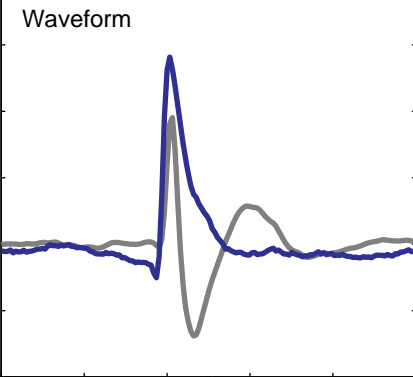


ISI Histogram [71]



Cell: C0320070621T09d

AP: 1.6 ML: 3.7 DV: 5.1
w: 1 n: 204 $P_{ISI>2}$: 0.98
1/2pw: 254 μ s p->v: 691 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.136 Hz
Pk Ev: 8 - Reward (T2/Ipsi)
Pk FR: 5.56Hz (0.05s) **MSN**



Cell: C0520070416T05b

AP: 2.2 ML: 1.2 DV: 8.2

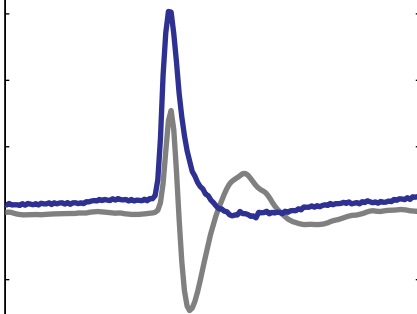
w: 4 n: 15207 $P_{ISI>2}$: 0.061/2pw: 218 μ s p \rightarrow v: 749 μ s β_T : 3.2 β_D : -2.4 β_P : -3.1 SI: 0.66

Session FR: 3.42 Hz

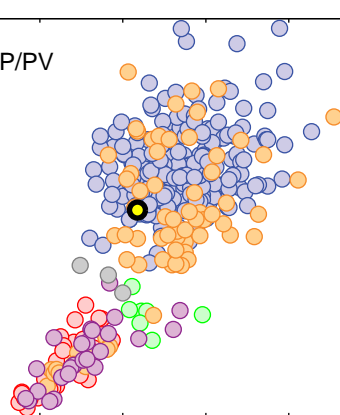
Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 14Hz (0.05s) **MSN**

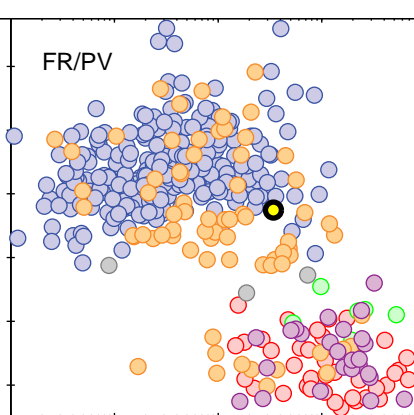
Waveform



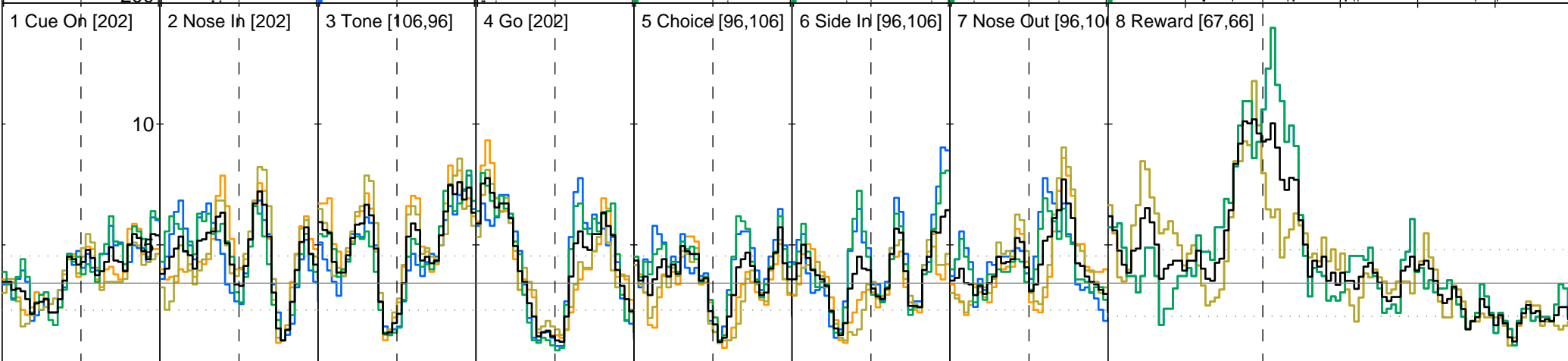
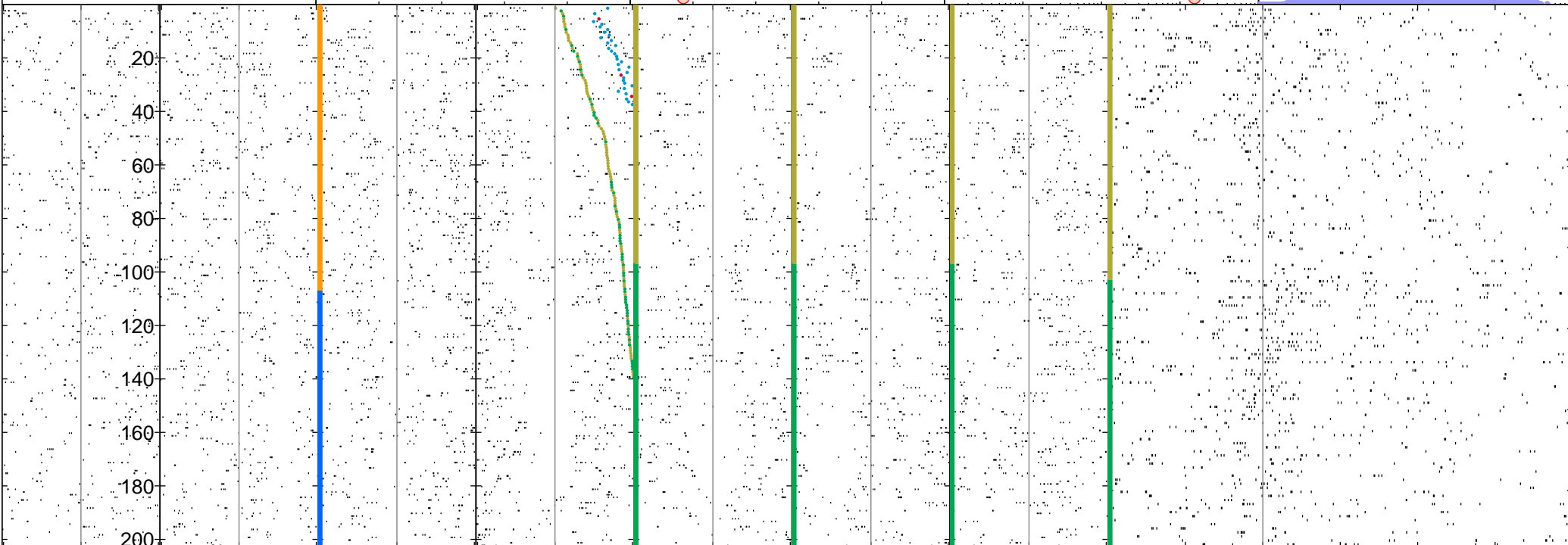
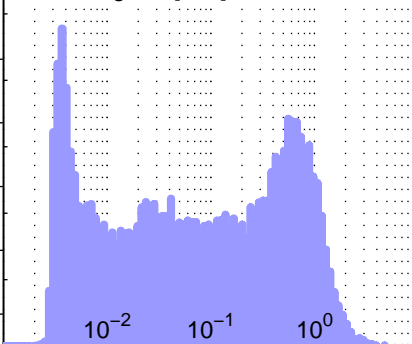
HP/PV



FR/PV

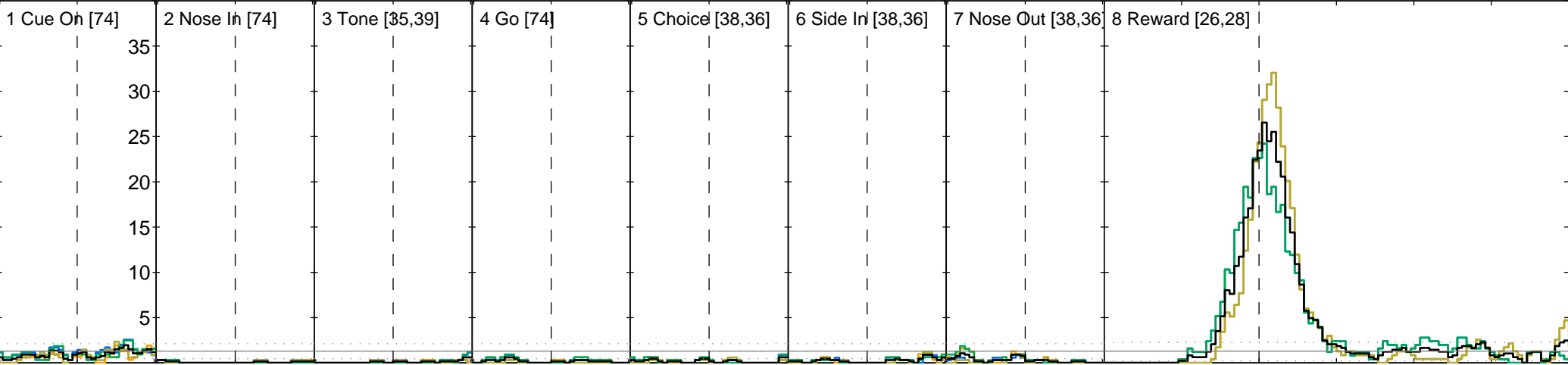
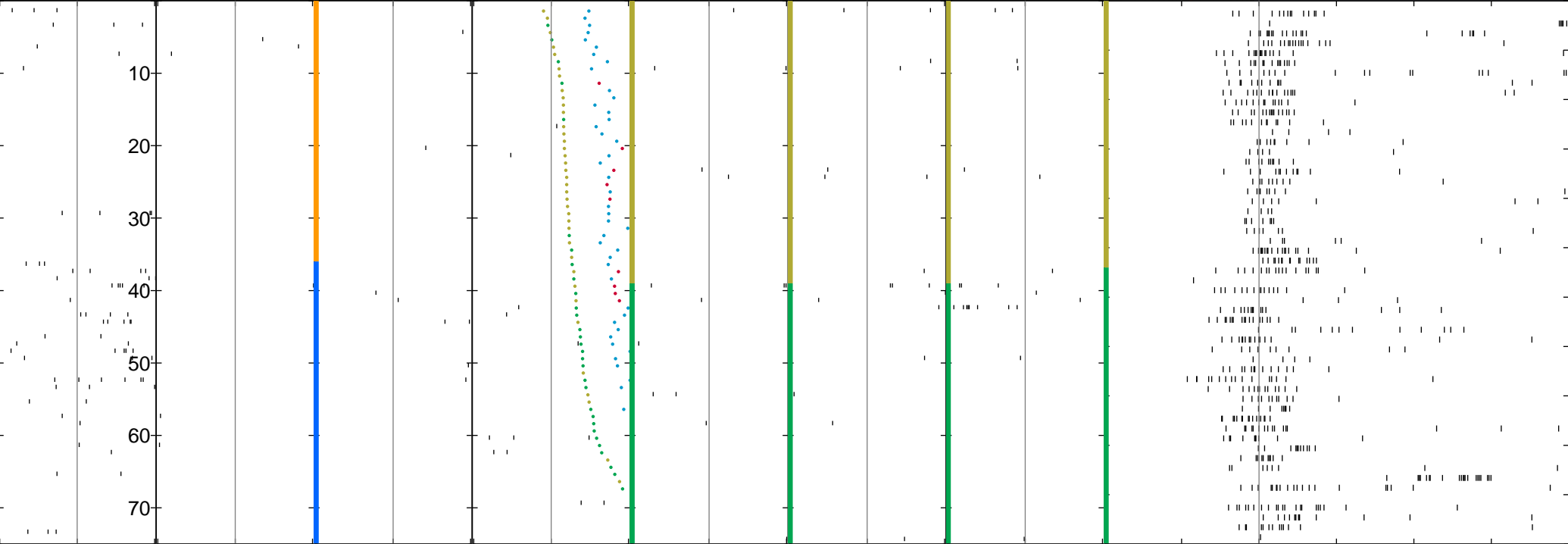
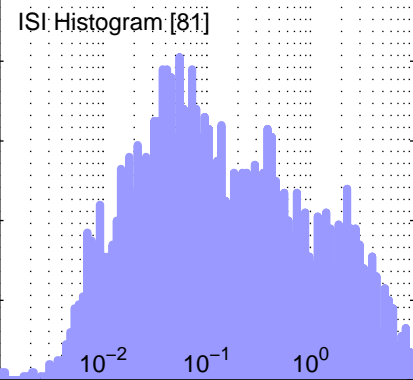
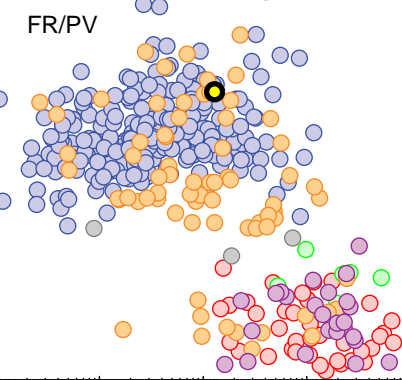
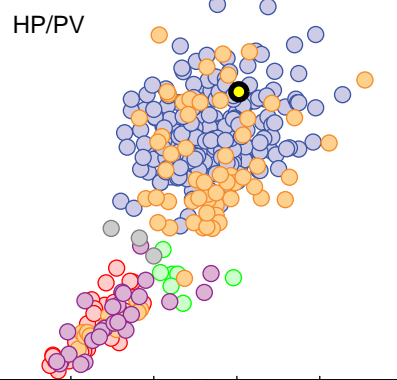
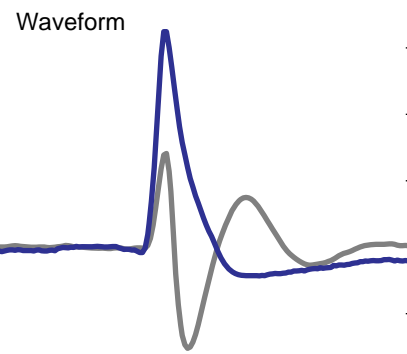


ISI Histogram [478]



Cell: C0320070613T09c

AP: 1.6 ML: 3.7 DV: 4.7
w: 2 n: 3589 $P_{ISI>2}$: 0.68
1/2pw: 302 μ s p \rightarrow v: 1005 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 1.29 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 32.1Hz (0.08s) **MSN**



Cell: C0320070626T07b

AP: 0.96 ML: 3.6 DV: 6.8

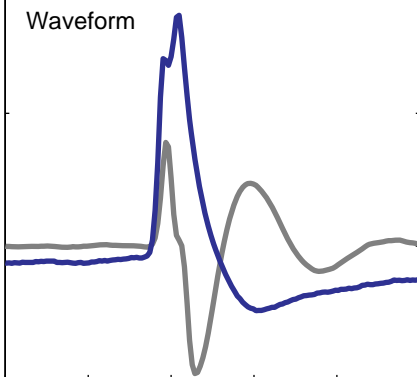
w: 4 n: 3819 $P_{ISI>2}$: 0.751/2pw: 395 μ s p->v: 954 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

Session FR: 1.02 Hz

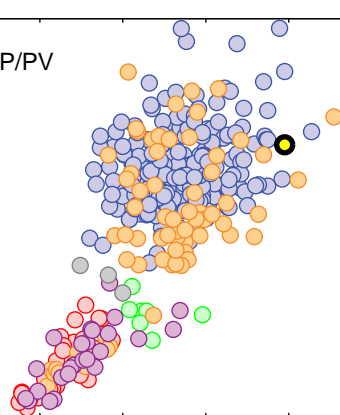
Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 8.5Hz (0.11s) **MSN**

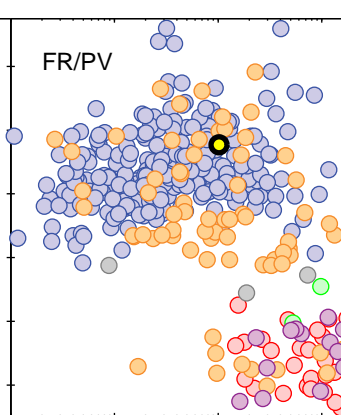
Waveform



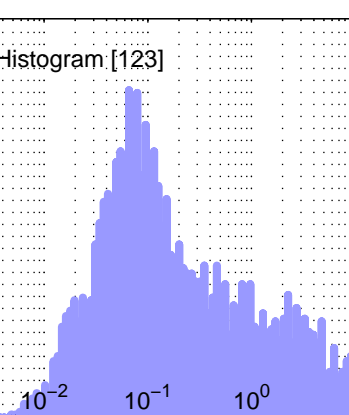
HP/PV



FR/PV



ISI Histogram [123]



10

20

30

40

50

60

70

80

1 Cue On [88]

2 Nose In [88]

3 Tone [43,45]

4 Go [88]

5 Choice [46,42]

6 Side In [46,42]

7 Nose Out [46,42]

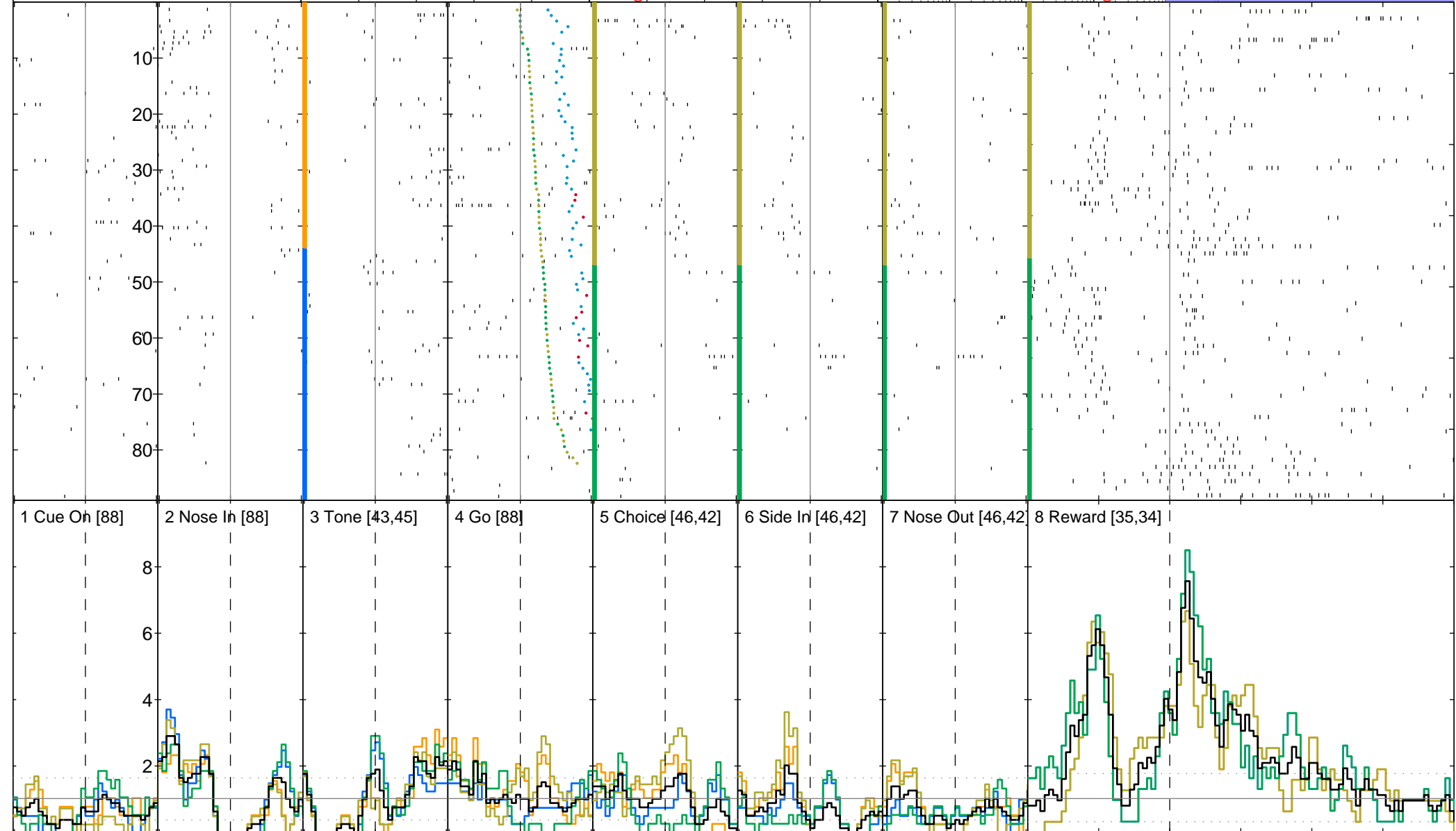
8 Reward [35,34]

8

6

4

2



Cell: C0320070626T07c

AP: 0.96 ML: 3.6 DV: 6.8

w: 3 n: 271 $P_{ISI>2}$: 1

1/2pw: 254 μ s p->v: 811 μ s

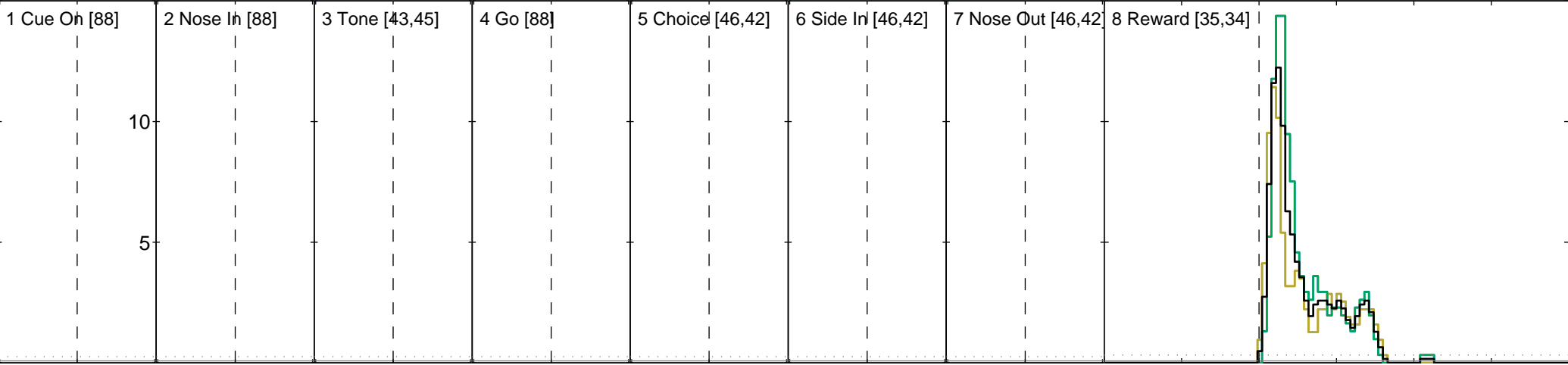
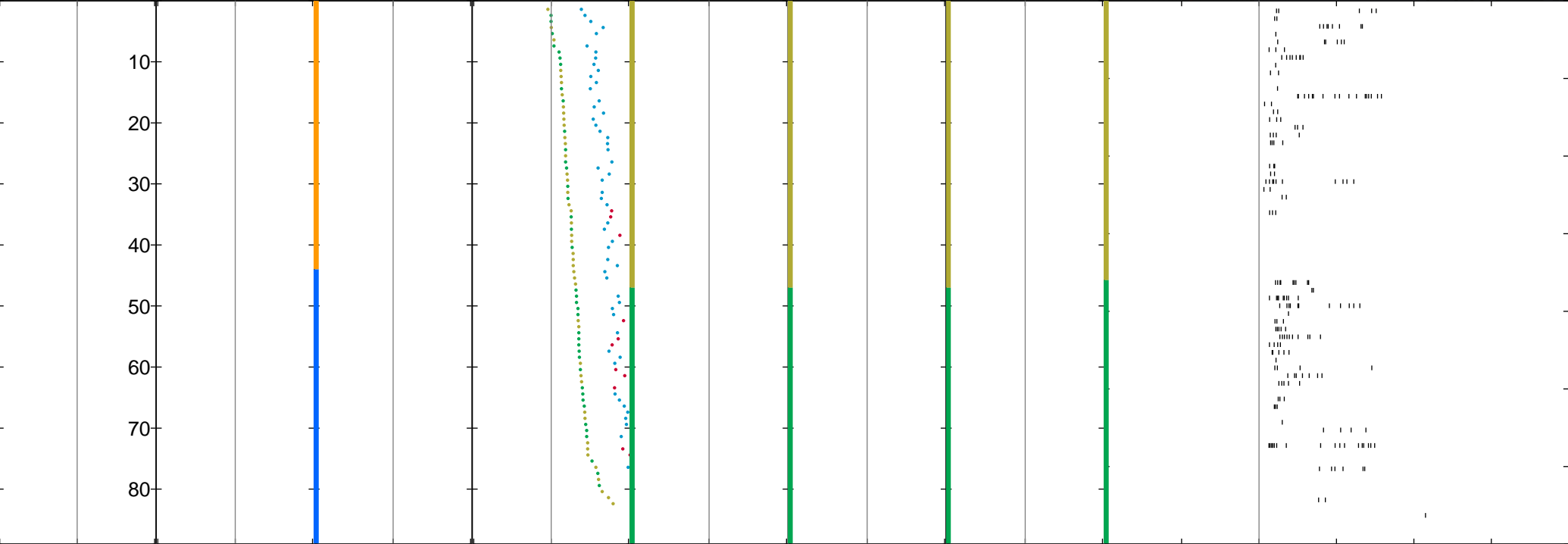
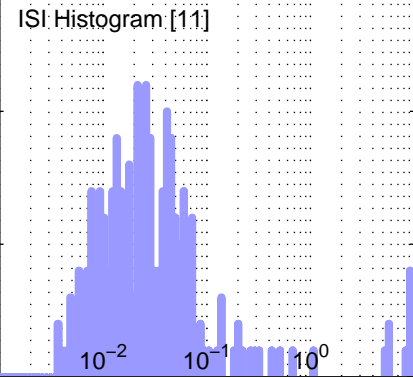
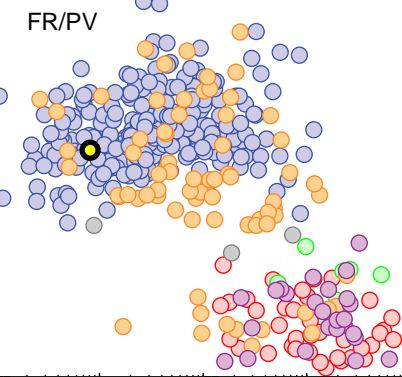
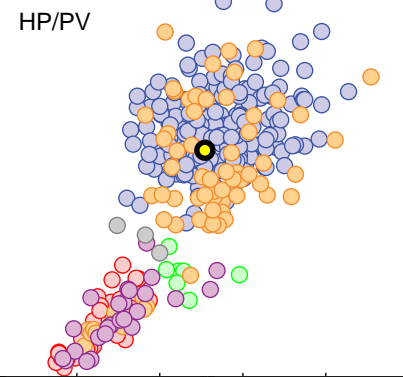
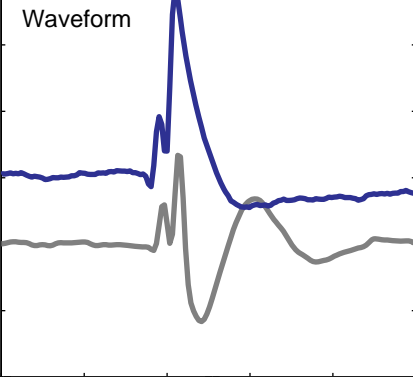
β_T : NaN β_D : NaN

β_P : NaN SI: NaN

Session FR: 0.0811 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 14.4Hz (0.11s) **MSN**



Cell: C0320070622T07F

AP: 0.96 ML: 3.6 DV: 6.1

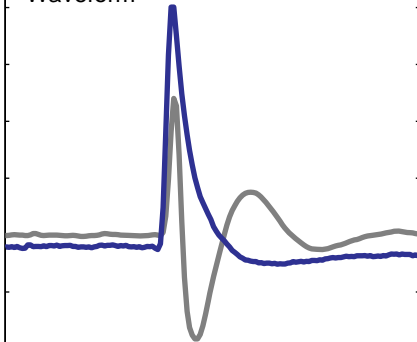
w: 4 n: 4050 $P_{ISI>2}$: 0.711/2pw: 230 μ s p->v: 970 μ s β_T : -2.3 β_D : 3.9 β_P : -1.7 SI: NaN

Session FR: 1.02 Hz

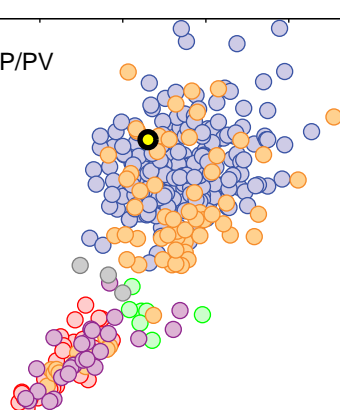
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 8.39Hz (0.14s) **MSN**

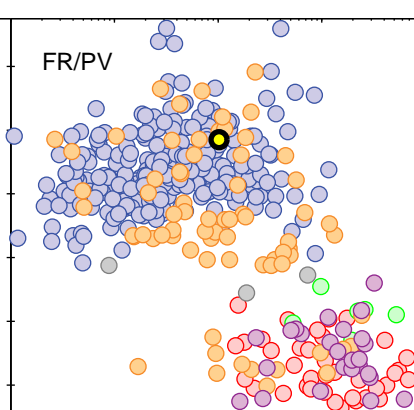
Waveform



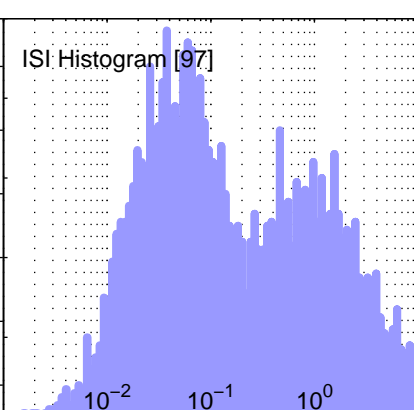
HP/PV



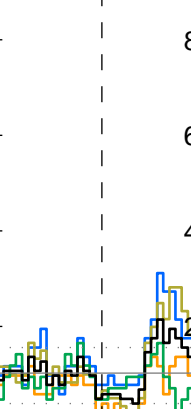
FR/PV



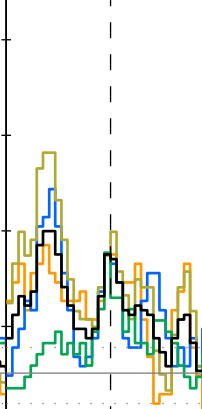
ISI Histogram [97]

20
40
60
80
100

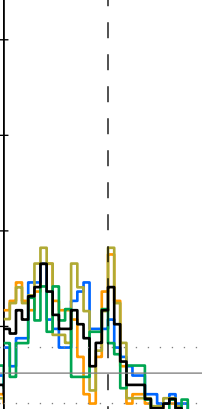
1 Cue On [114]



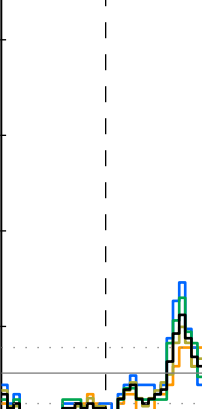
2 Nose In [114]



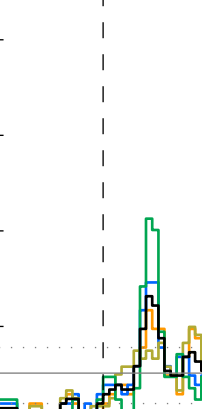
3 Tone [57,57]



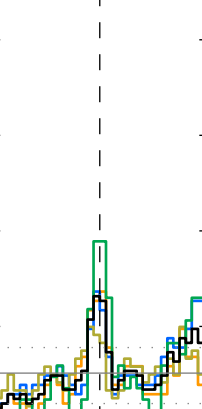
4 Go [114]



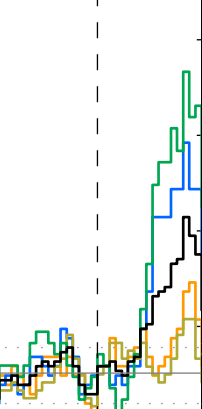
5 Choice [67,47]



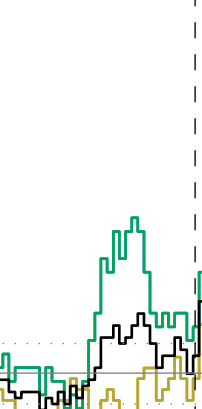
6 Side In [67,47]



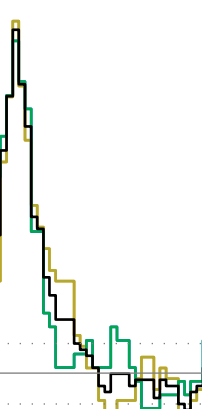
7 Nose Out [67,47]



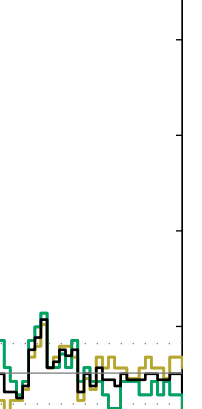
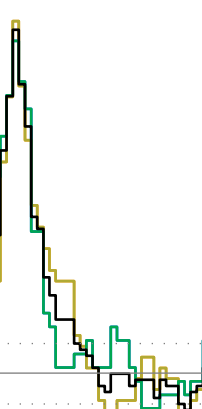
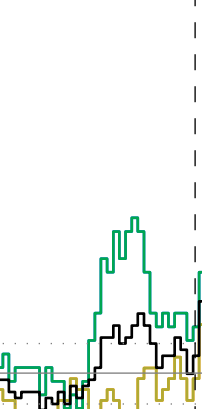
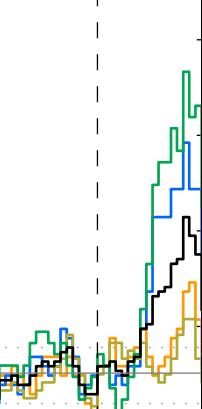
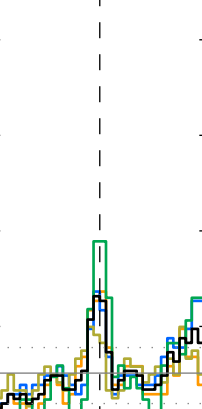
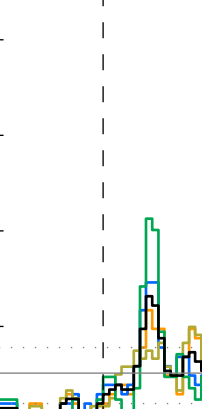
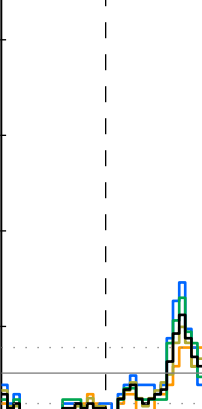
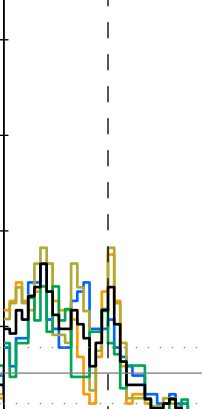
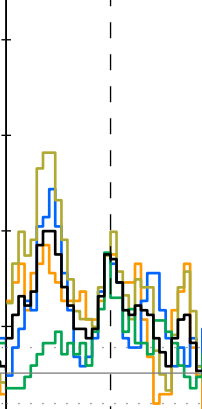
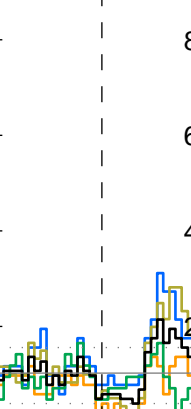
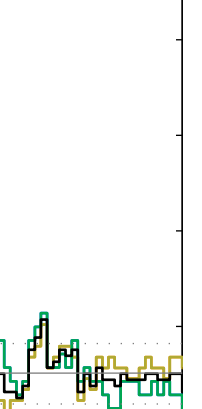
8 Reward [49,39]



1 Cue On [114]



2 Nose In [114]



Cell: C0320070618T06a

AP: 1.7 ML: 1.3 DV: 6.4

w: 4 n: 3976 $P_{ISI>2}$: 0.69

1/2pw: 258 μ s p \rightarrow v: 928 μ s

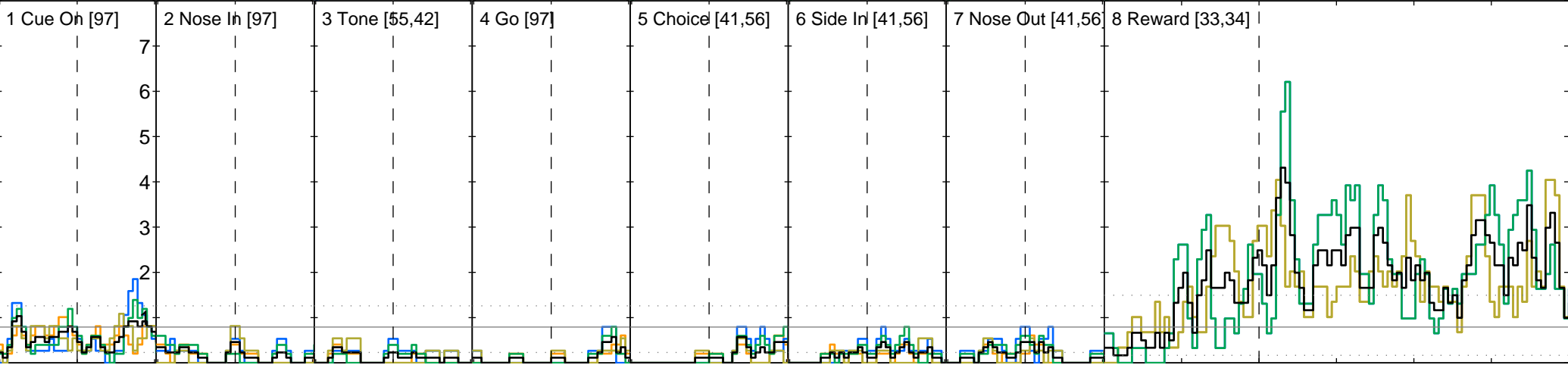
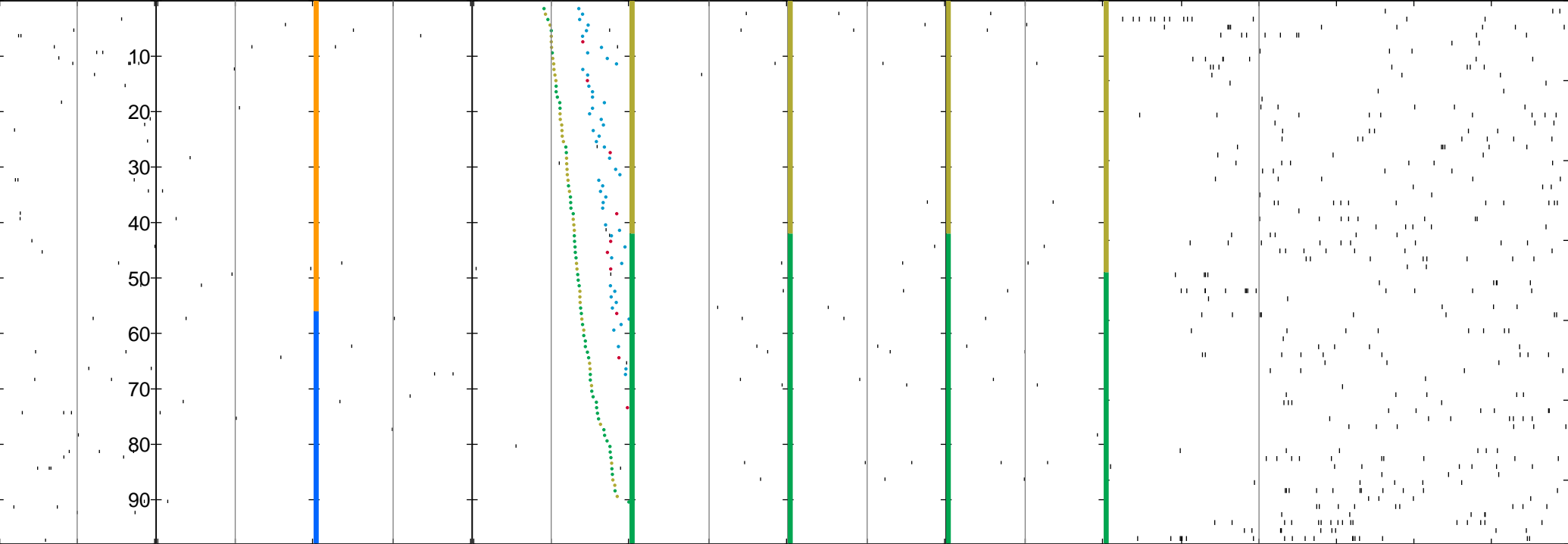
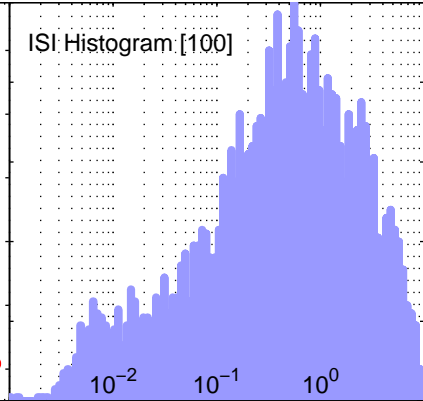
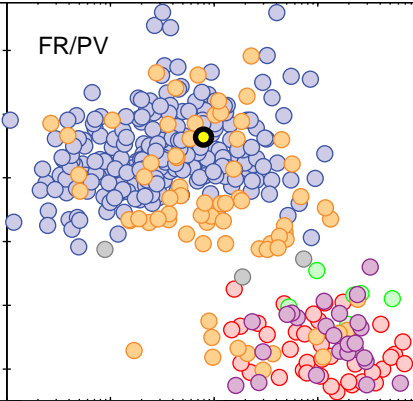
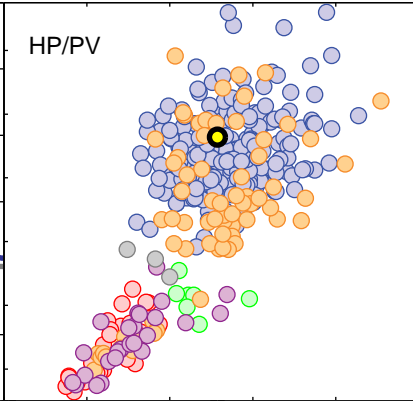
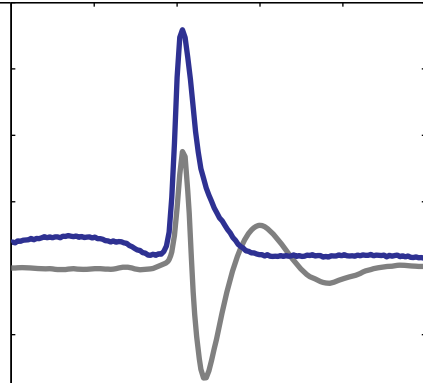
β_T : NaN β_D : NaN

β_P : NaN SI: NaN

Session FR: 0.791 Hz

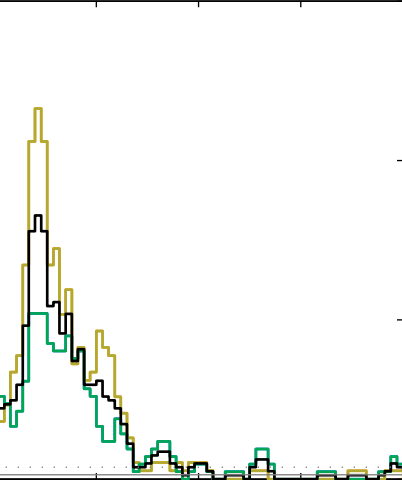
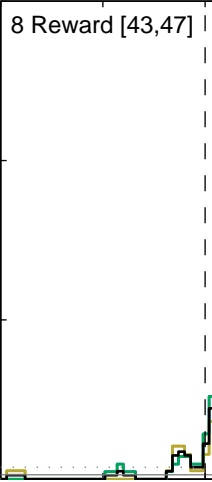
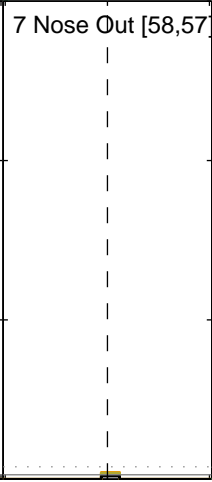
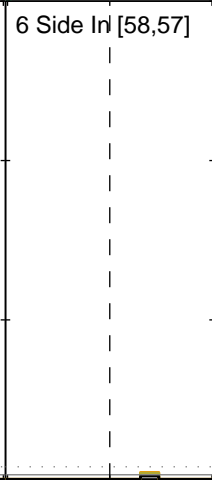
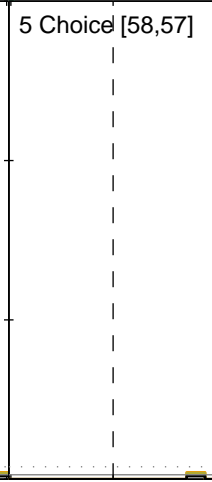
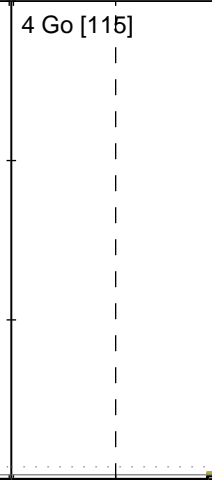
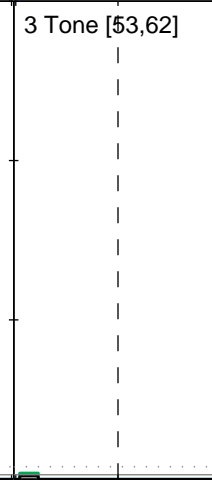
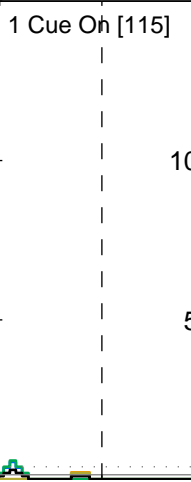
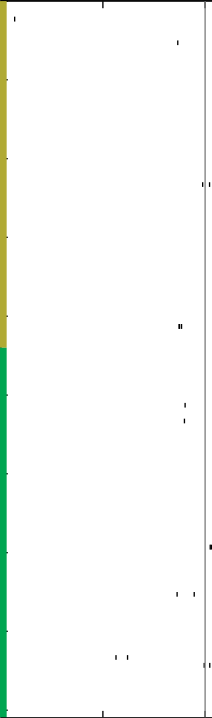
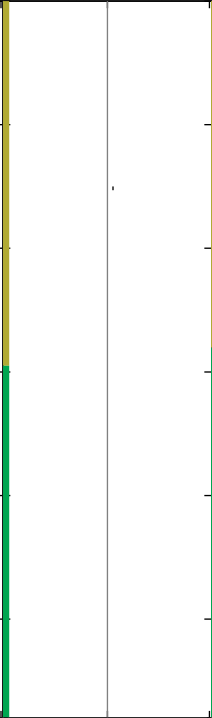
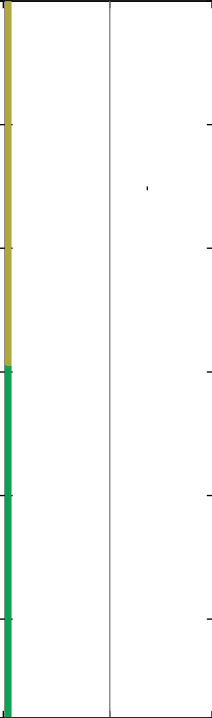
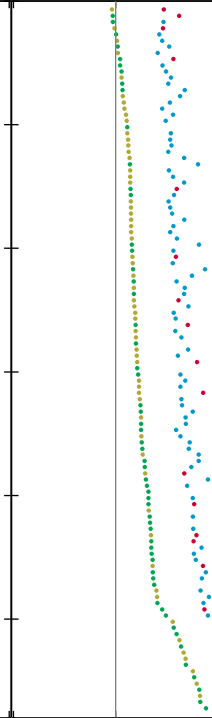
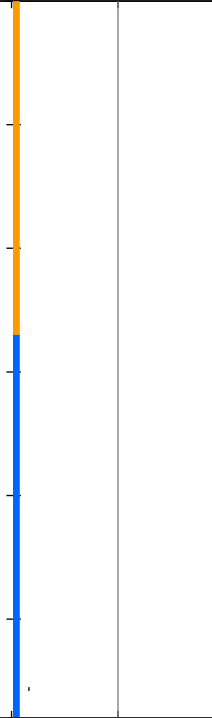
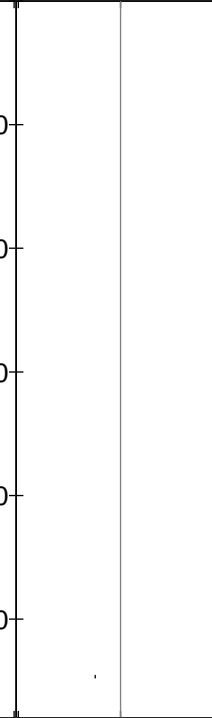
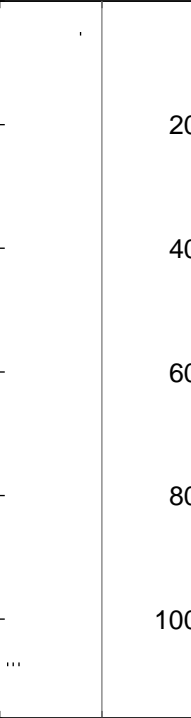
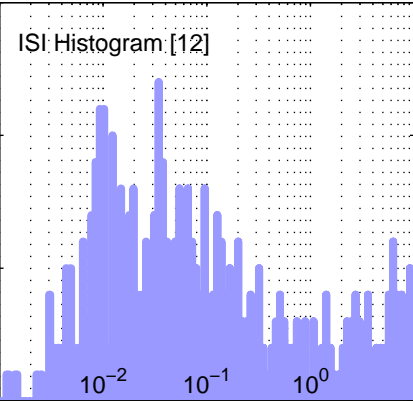
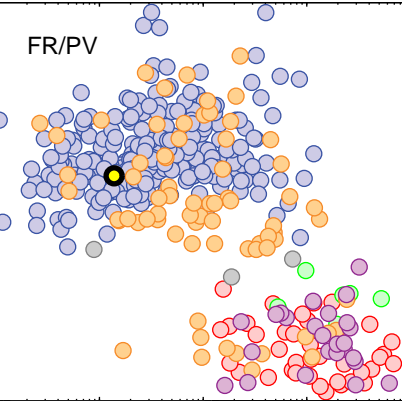
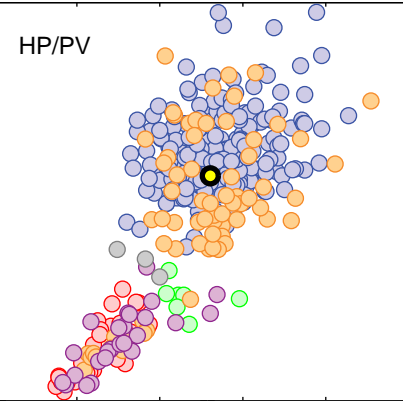
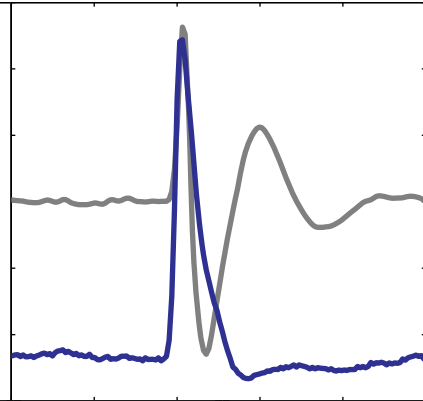
Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 6.21Hz (0.17s) **MSN**



Cell: C0320070627T09b

AP: 1.6 ML: 3.7 DV: 5.8
w: 4 n: 469 $P_{ISI>2}$: 0.98
1/2pw: 261 μ s p->v: 806 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.138 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 11.6Hz (0.2s) **MSN**



Cell: C0320070630T09k

AP: 1.6 ML: 3.7 DV: 6.2

w: 4 n: 811 $P_{ISI>2}$: 0.95

1/2pw: 277 μ s p \rightarrow v: 1279 μ s

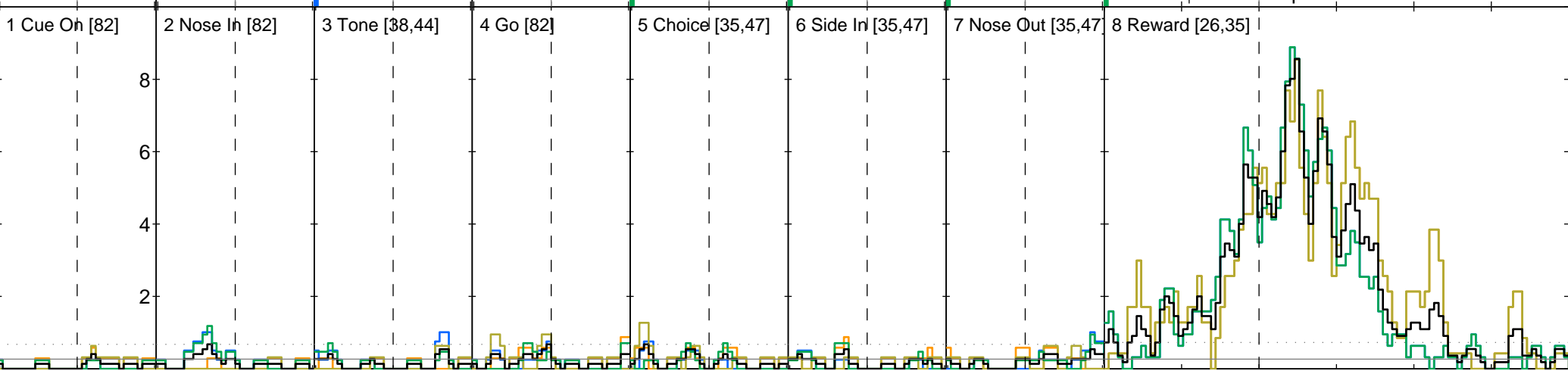
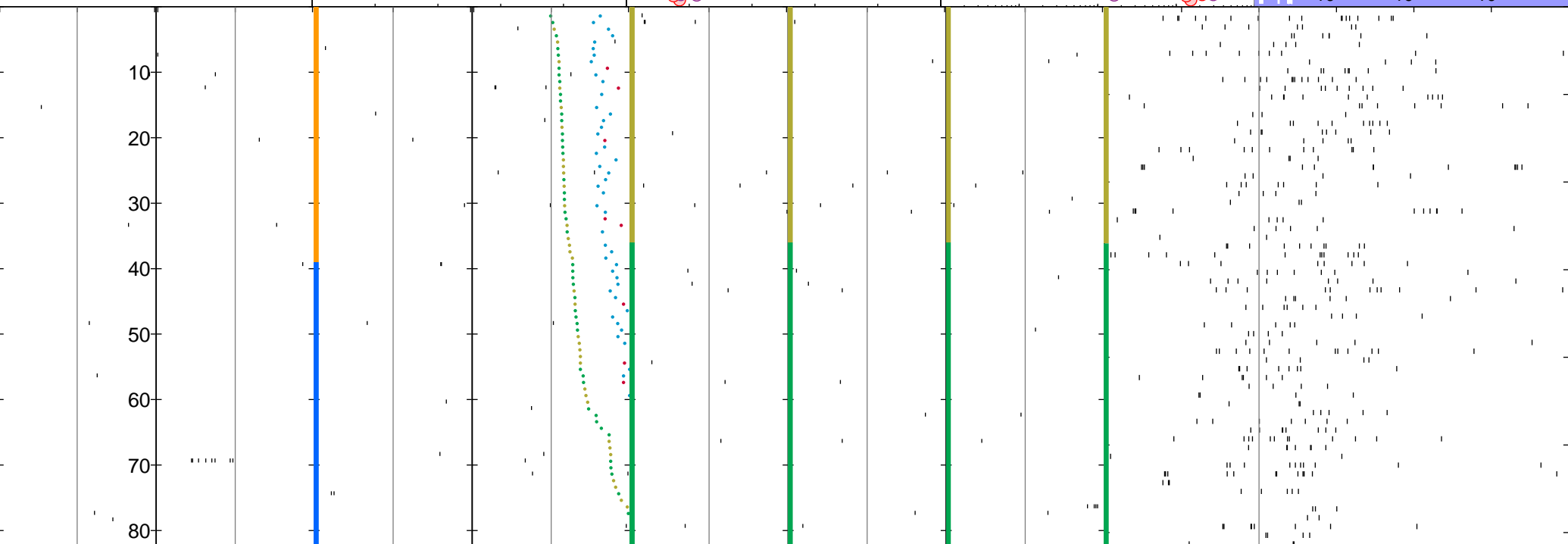
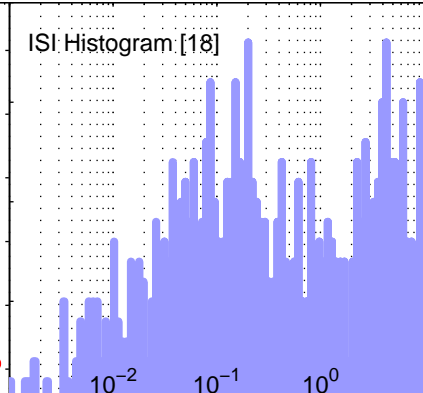
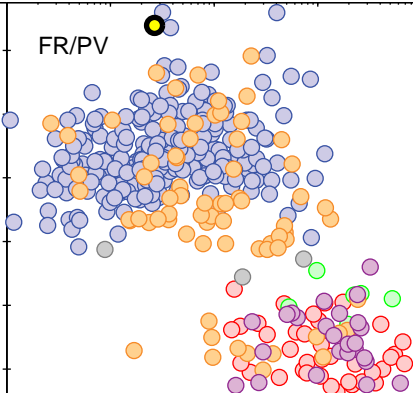
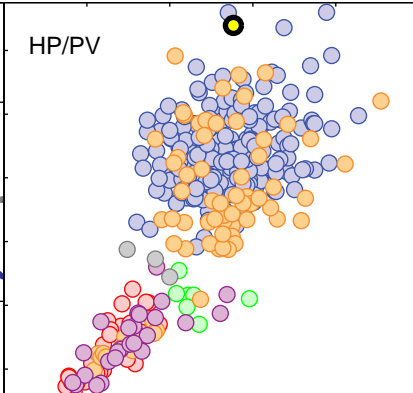
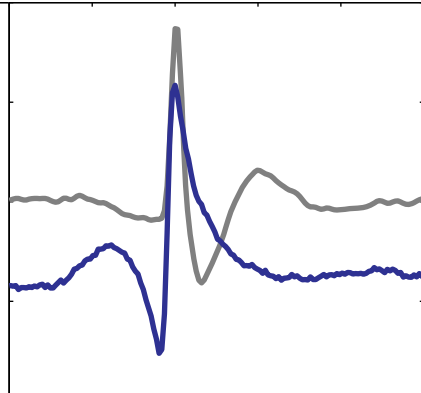
β_T : NaN β_D : NaN

β_P : NaN SI: NaN

Session FR: 0.267 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 8.89Hz (0.2s) **MSN**



Cell: C0520070416T05a

AP: 2.2 ML: 1.2 DV: 8.2

w: 4 n: 6185 $P_{ISI>2}$: 0.66

1/2pw: 242 μ s p \rightarrow v: 832 μ s

β_T : NaN β_D : NaN

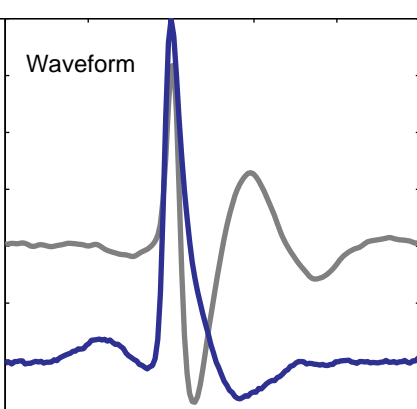
β_P : NaN SI: NaN

Session FR: 1.39 Hz

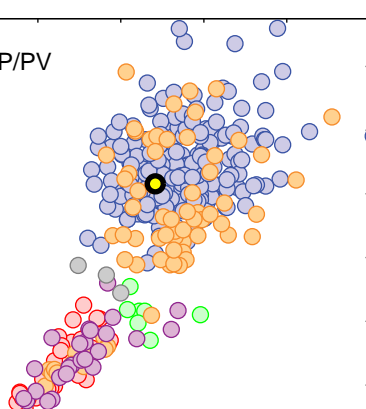
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 6.8Hz (0.2s) **MSN**

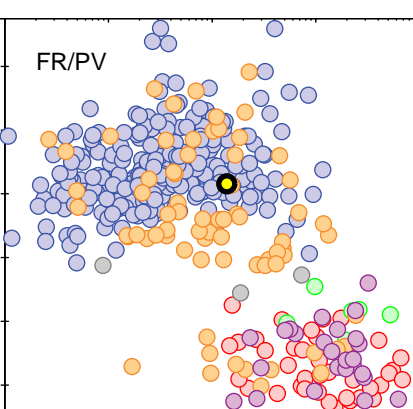
Waveform



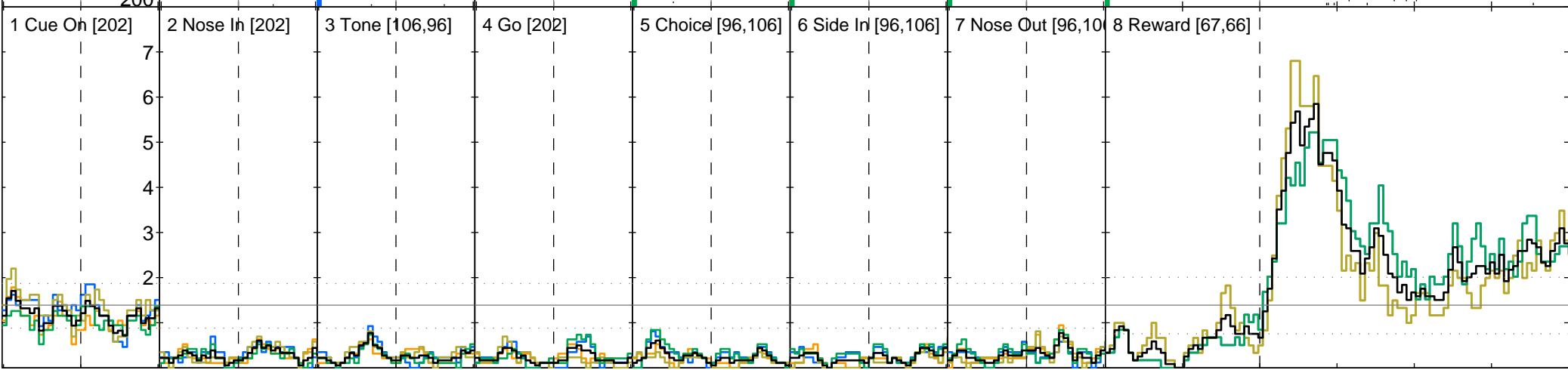
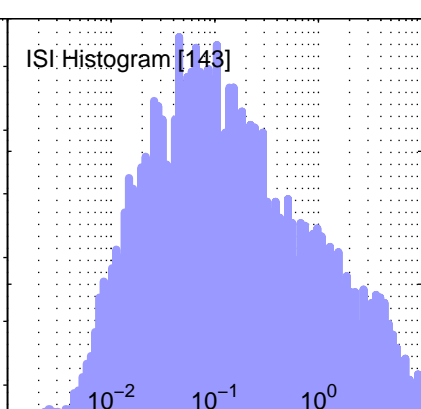
HP/PV



FR/PV

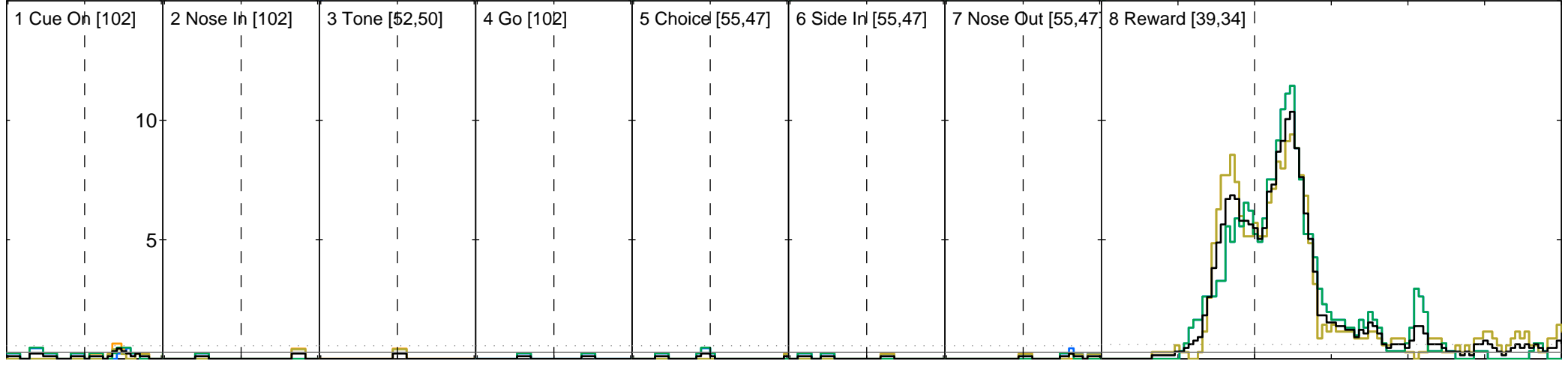
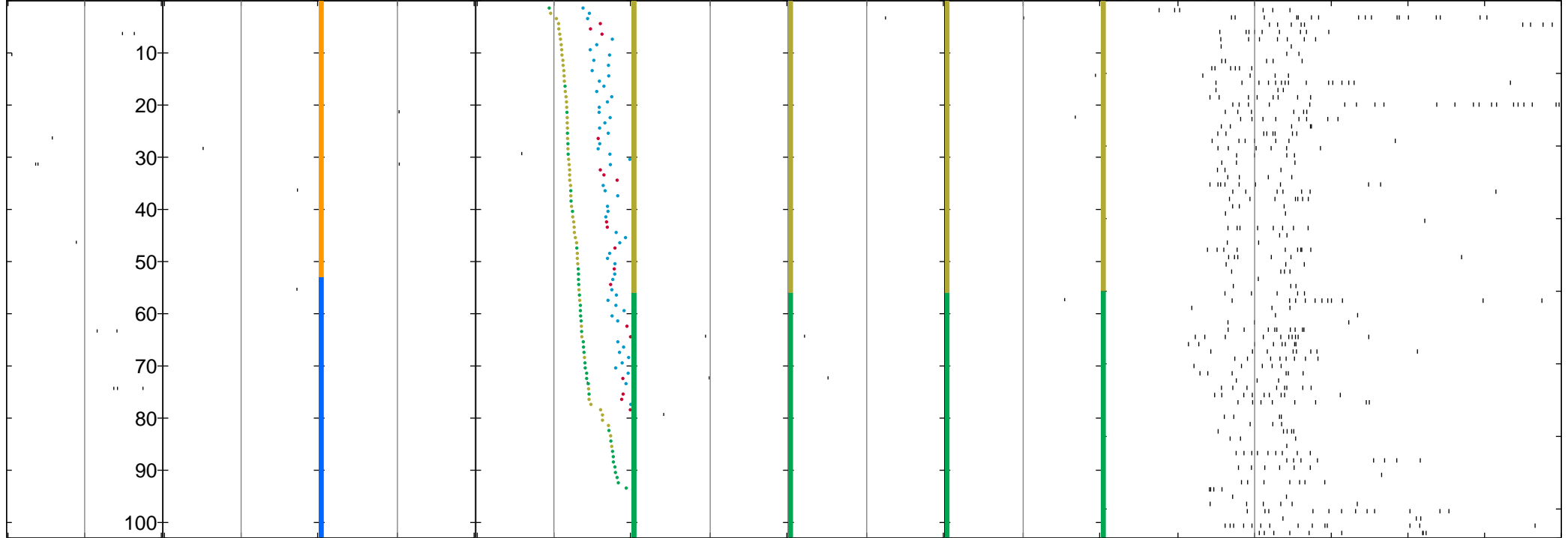
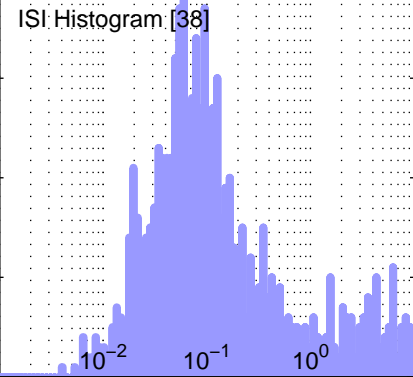
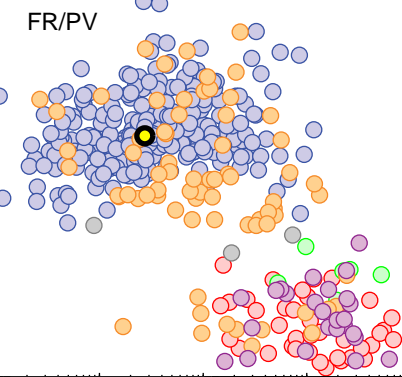
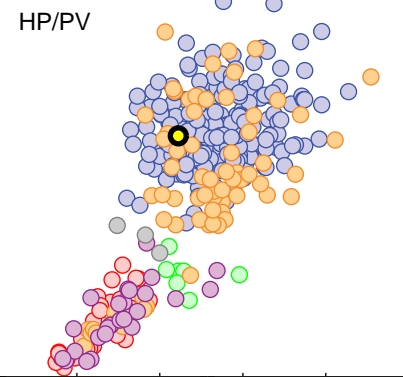
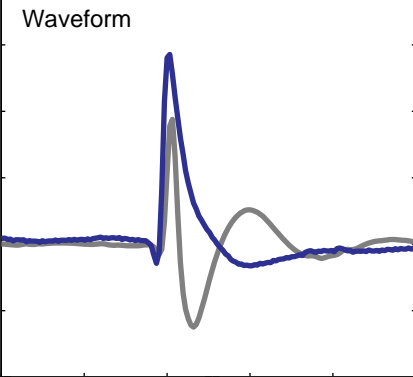


ISI Histogram [143]



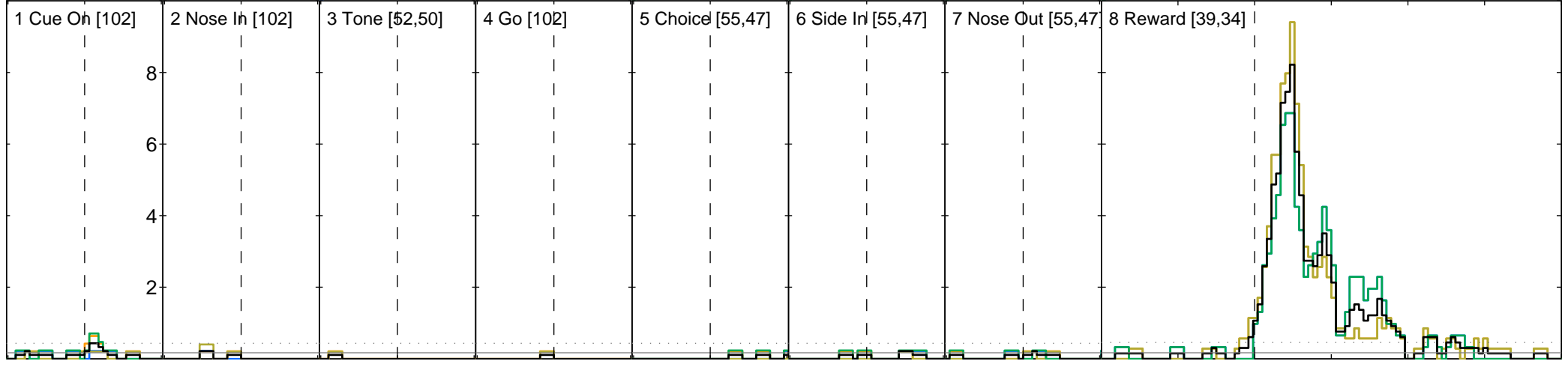
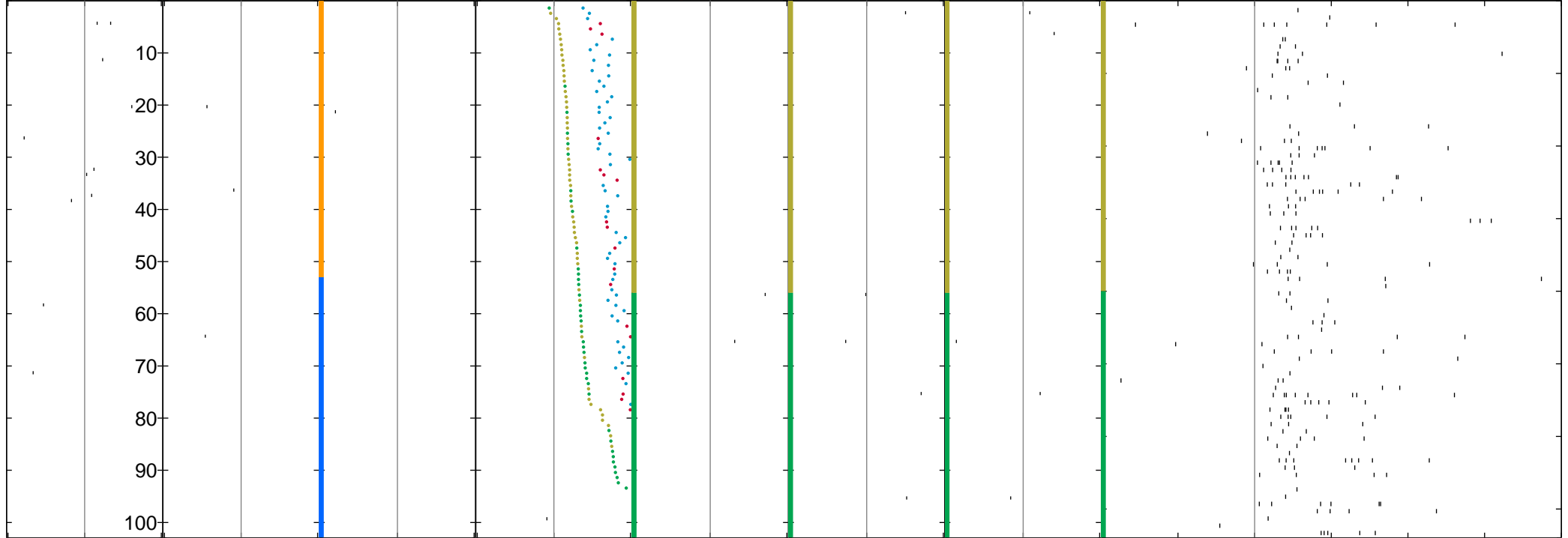
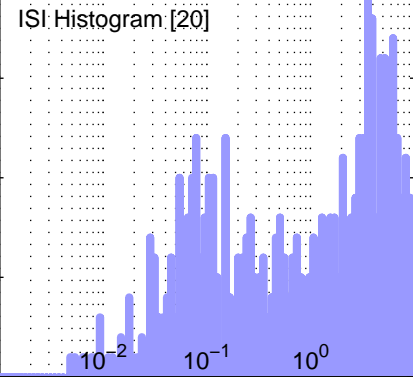
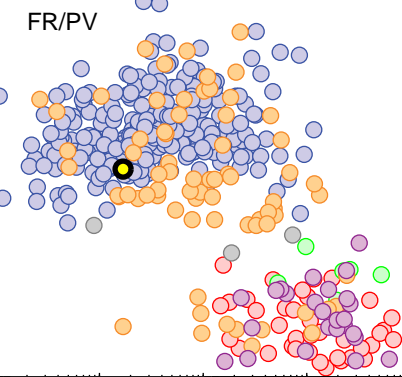
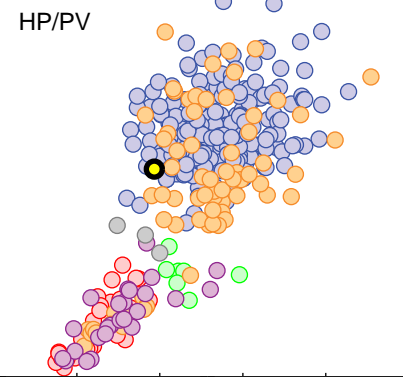
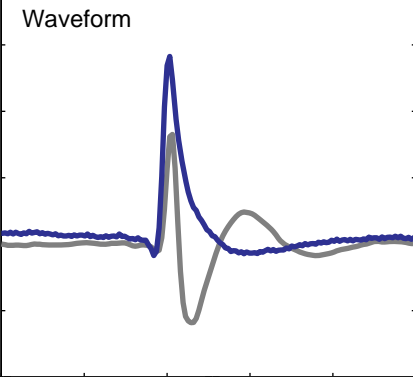
Cell: C0320070623T09c

AP: 1.6 ML: 3.7 DV: 5.3
w: 1 n: 1038 $P_{ISI>2}$: 0.96
1/2pw: 222 μ s p->v: 856 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.273 Hz
Pk Ev: 8 - Reward (T2/Ipsi)
Pk FR: 11.4Hz (0.23s) **MSN**



Cell: C0320070623T09i

AP: 1.6 ML: 3.7 DV: 5.3
w: 4 n: 632 $P_{ISI>2}$: 0.97
1/2pw: 194 μ s p->v: 752 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.169 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 9.4Hz (0.23s) **MSN**



Cell: C0320070623T11a

AP: -0.96 ML: 3.7 DV: 5.9

w: 1 n: 4254 $P_{ISI>2}$: 0.39

1/2pw: 291 μ s p->v: 709 μ s

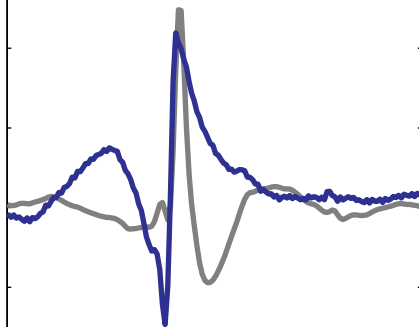
β_T : NaN β_D : NaN

β_P : NaN SI: NaN

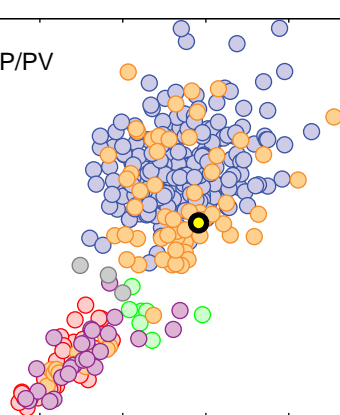
Session FR: 1.12 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

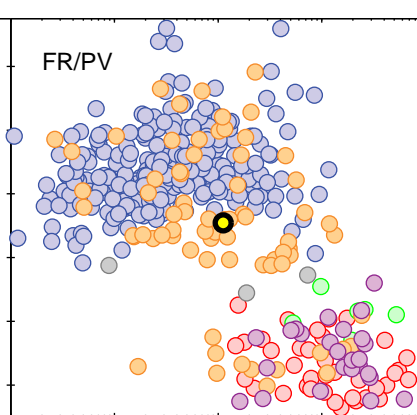
Pk FR: 5.23Hz (0.23s) **MSN**



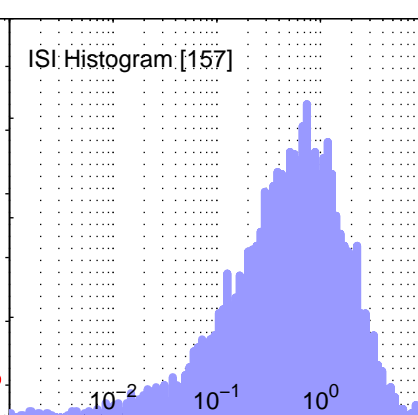
HP/PV



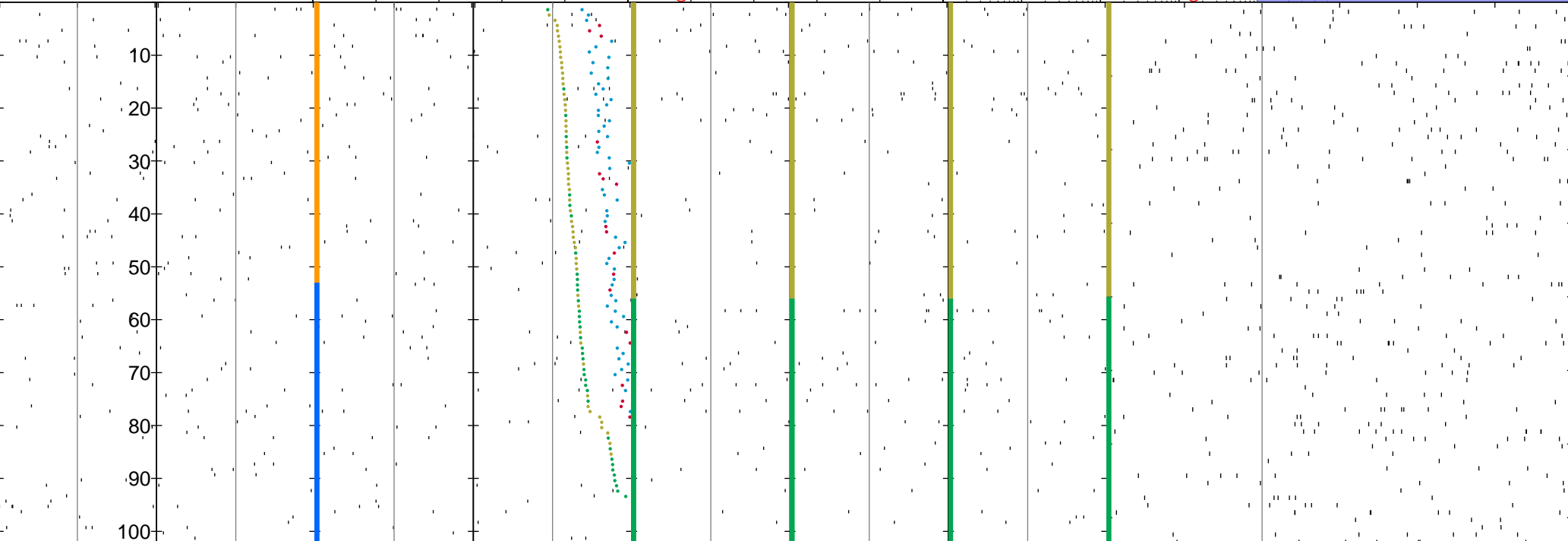
FR/PV



ISI Histogram [157]



10
20
30
40
50
60
70
80
90
100



1 Cue On [102]

2 Nose In [102]

3 Tone [52,50]

4 Go [102]

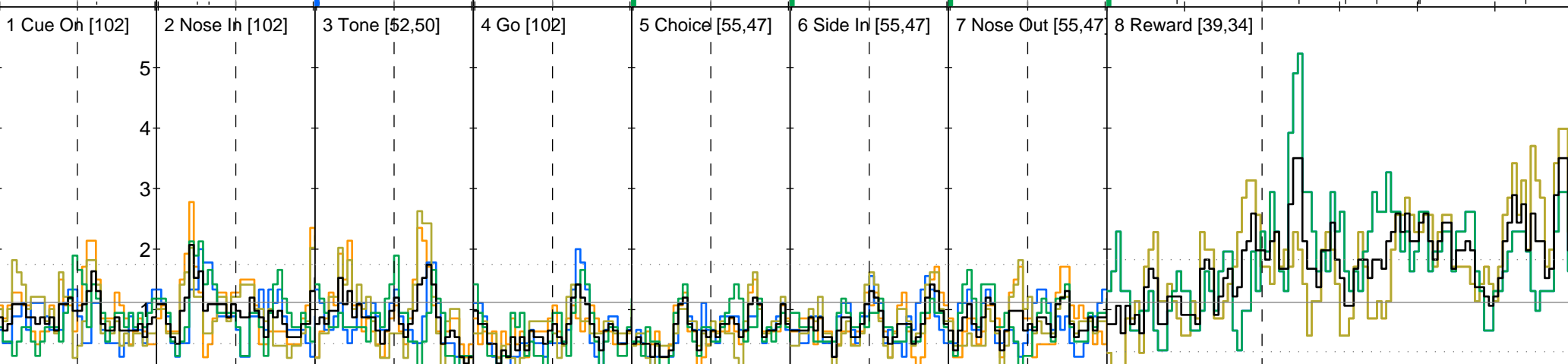
5 Choice [55,47]

6 Side In [55,47]

7 Nose Out [55,47]

8 Reward [39,34]

5
4
3
2



Cell: C0320070619T09b

AP: 1.6 ML: 3.7 DV: 5

w: 1 n: 2632 $P_{ISI>2}$: 0.91

1/2pw: 259 μ s p->v: 834 μ s

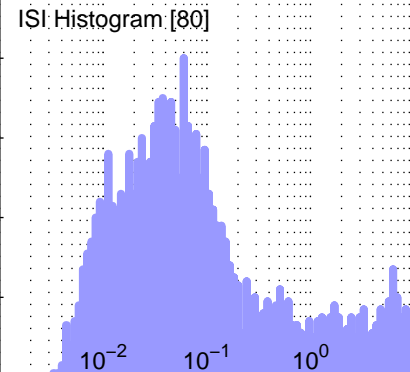
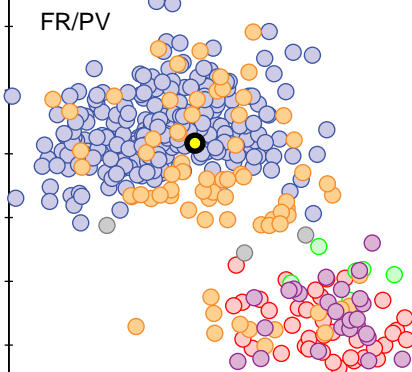
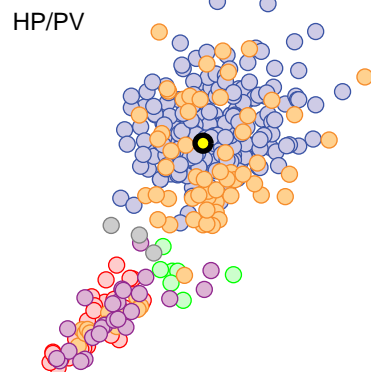
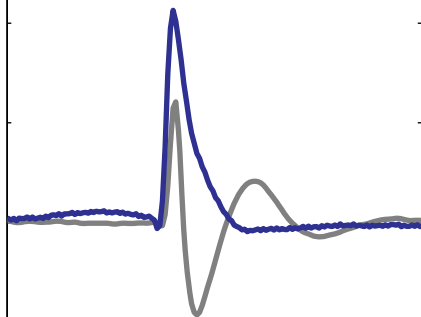
β_T : NaN β_D : NaN

β_P : NaN SI: NaN

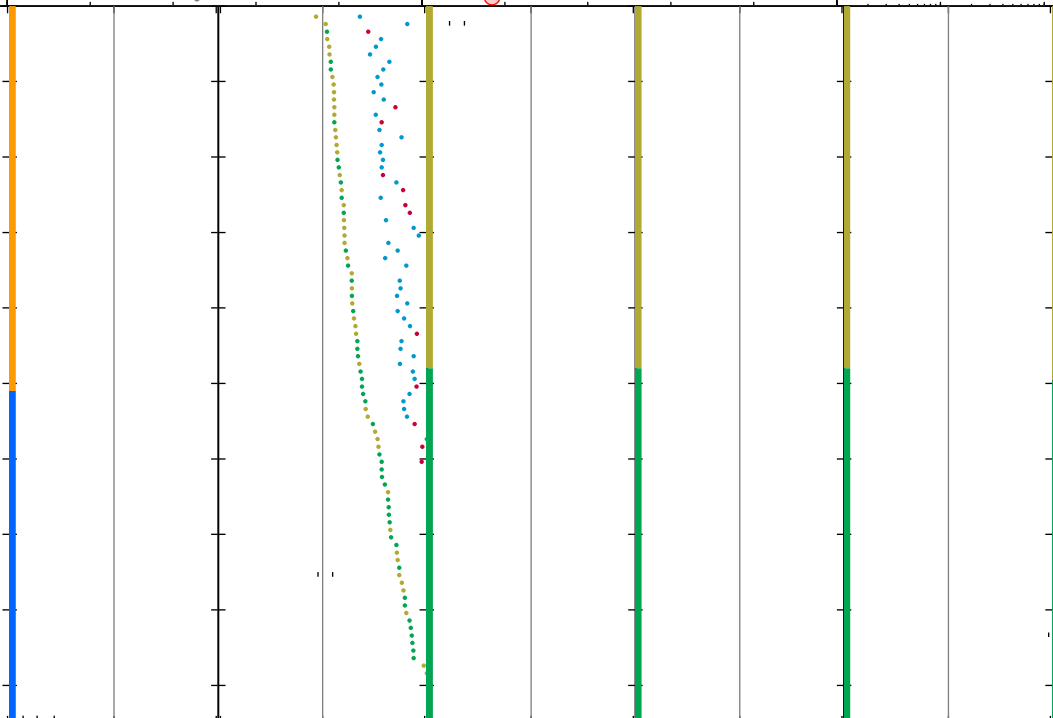
Session FR: 0.626 Hz

Pk Ev: 8 - Reward (T1/Con)

Pk FR: 15Hz (0.29s) **MSN**

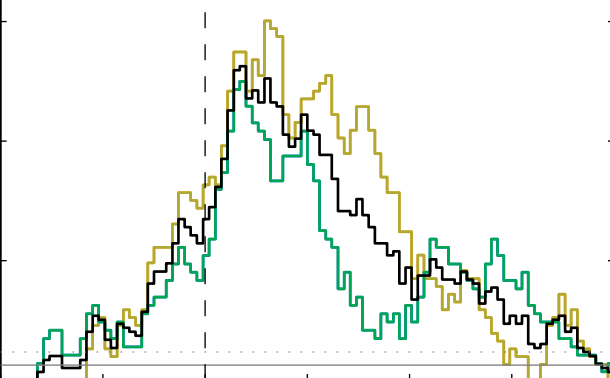


10
20
30
40
50
60
70
80
90



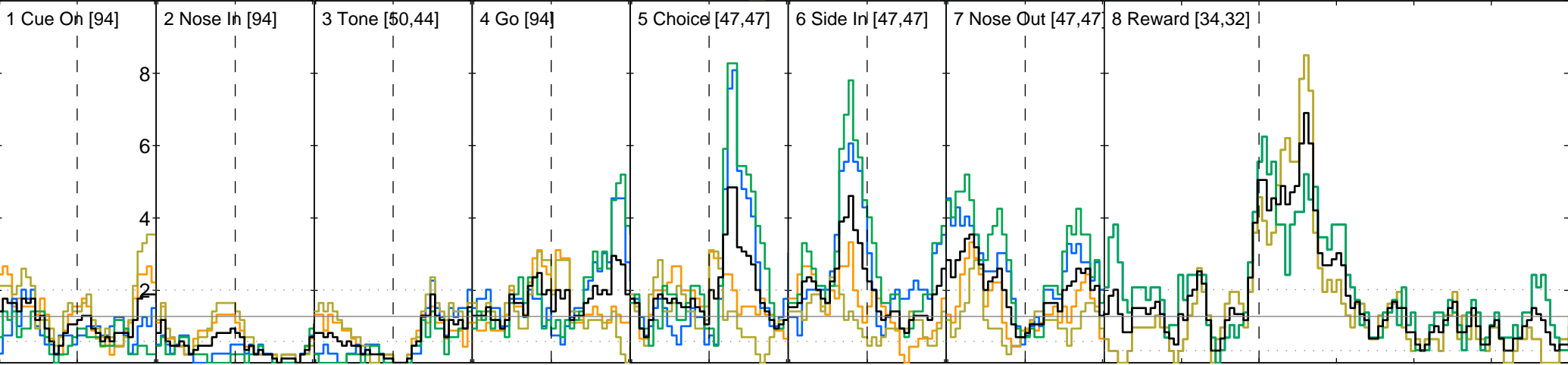
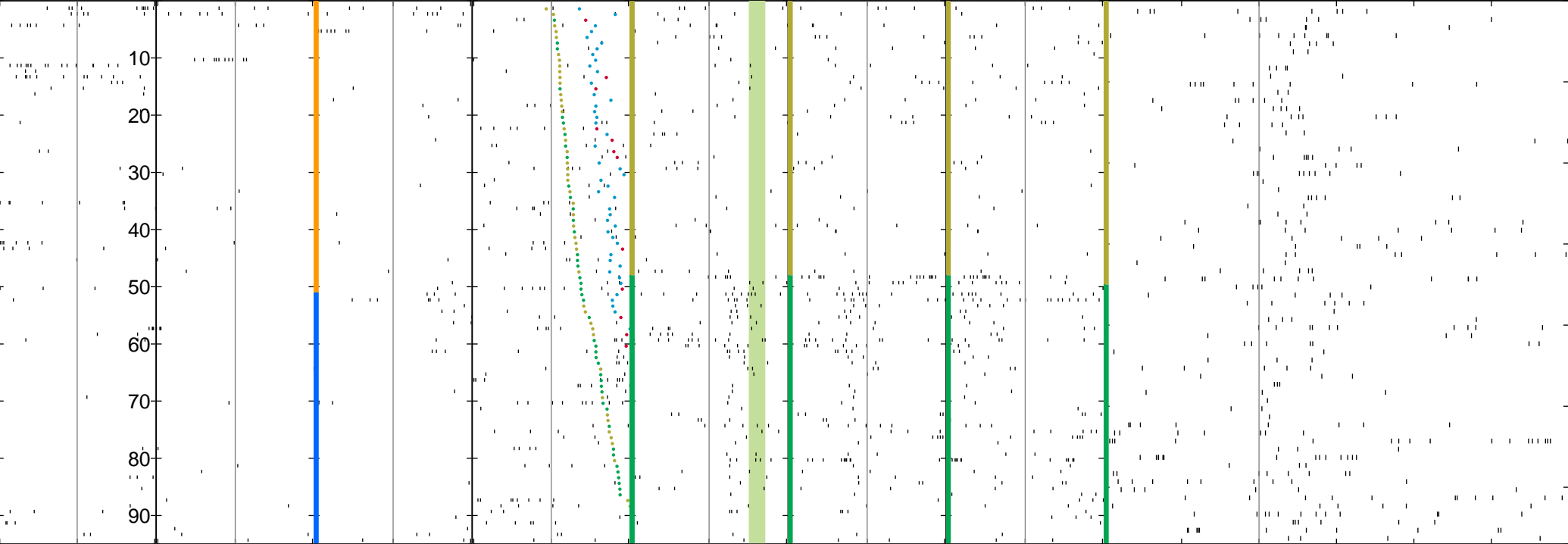
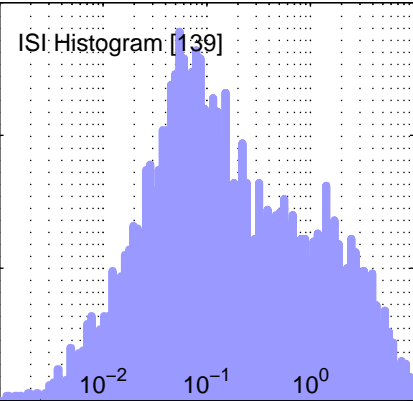
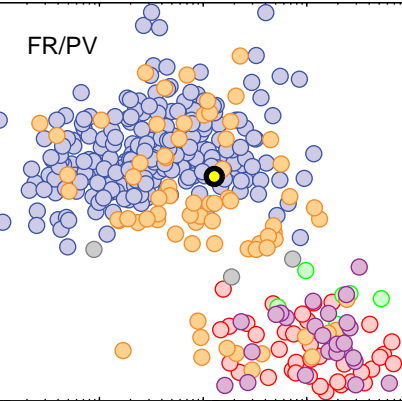
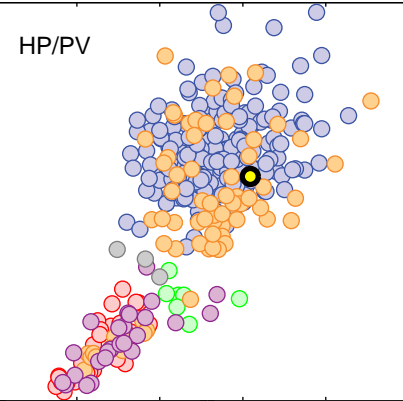
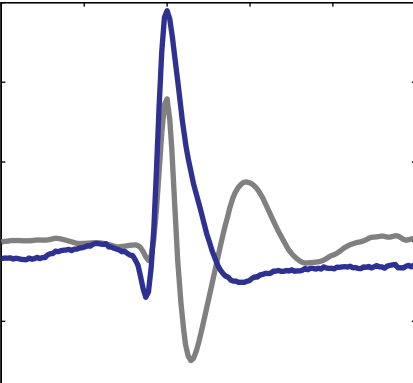
1 Cue On [94] 2 Nose In [94] 3 Tone [50,44] 4 Go [94] 5 Choice [47,47] 6 Side In [47,47] 7 Nose Out [47,47] 8 Reward [34,32]

15
10
5



Cell: C0320070619T09e

AP: 1.6 ML: 3.7 DV: 5
w: 2 n: 5446 $P_{ISI>2}$: 0.65
1/2pw: 309 μ s p \rightarrow v: 805 μ s
 β_T : -1.7 β_D : 4.3
 β_P : -2.9 SI: 0.71
Session FR: 1.28 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 8.5Hz (0.29s) **MSN**



Cell: C0520070417T07b

AP: 1.3 ML: 3.4 DV: 4.5

w: 2 n: 775 $P_{ISI>2}$: 0.95

1/2pw: 254 μ s p->v: 837 μ s

β_T : NaN β_D : NaN

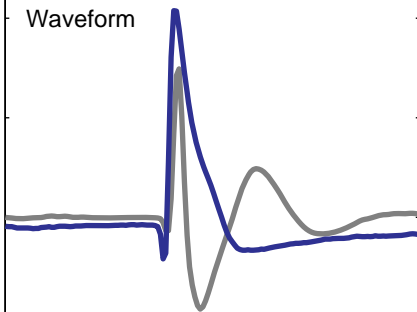
β_P : NaN SI: NaN

Session FR: 0.239 Hz

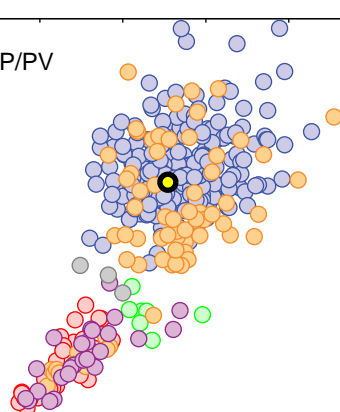
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 5.68Hz (0.29s) MSN

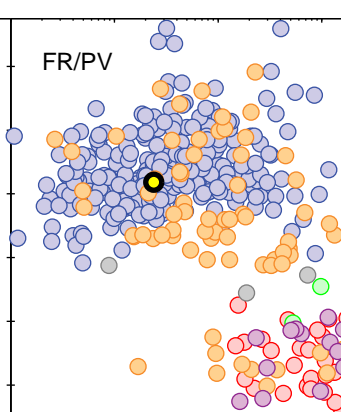
Waveform



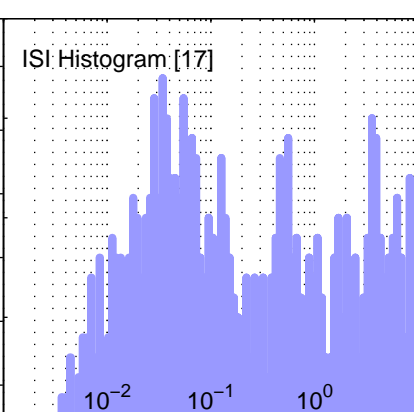
HP/PV



FR/PV



ISI Histogram [17]



10
20
30
40
50
60
70
80
90
100

1 Cue On [108]

2 Nose In [108]

3 Tone [55,53]

4 Go [108]

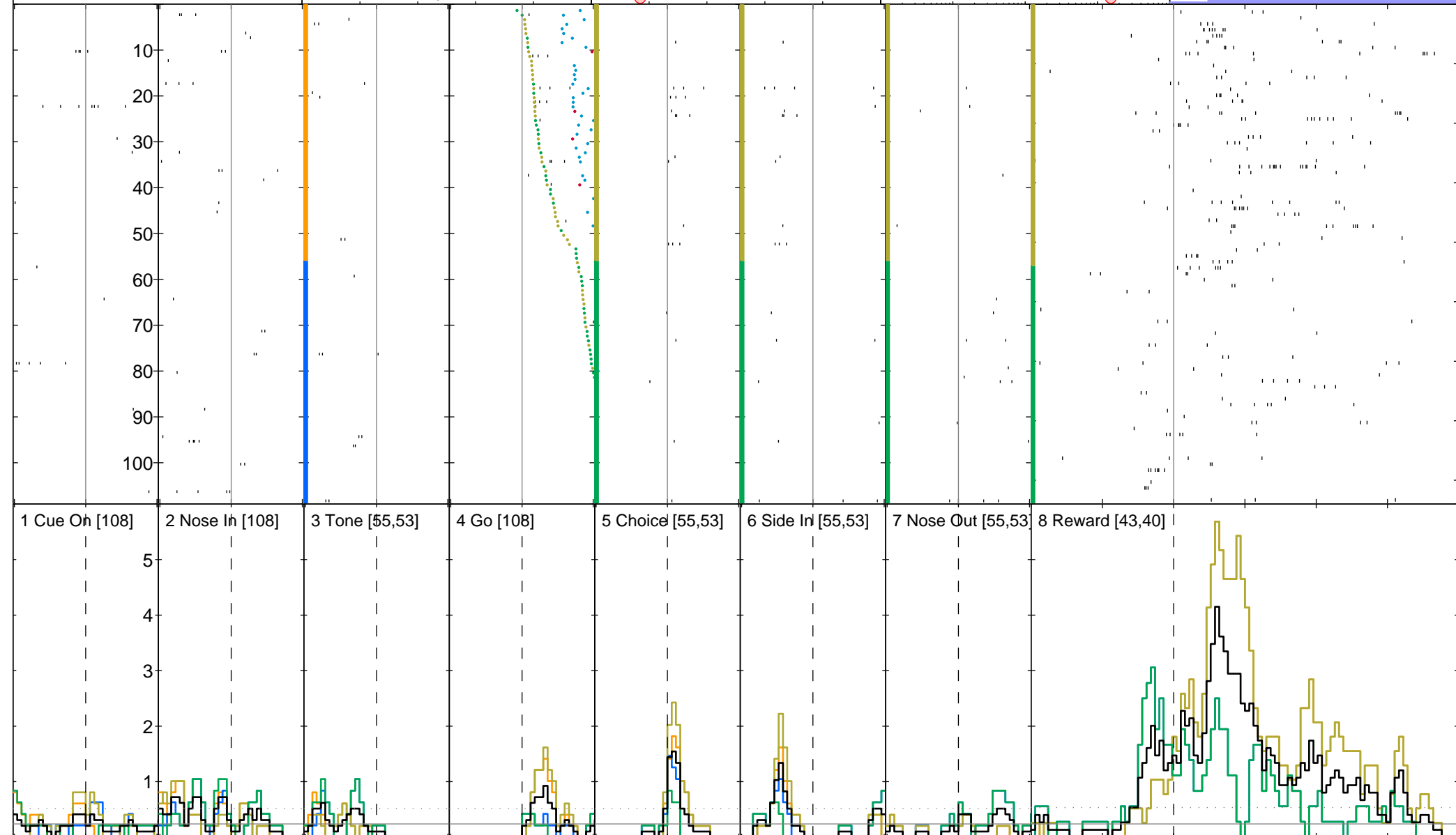
5 Choice [55,53]

6 Side In [55,53]

7 Nose Out [55,53]

8 Reward [43,40]

5
4
3
2
1



Cell: C0320070613T15b

AP: -2.3 ML: 4.6 DV: 6.2

w: 3 n: 2576 $P_{ISI>2}$: 0.83

1/2pw: 275 μ s p \rightarrow v: 981 μ s

β_T : -1.6 β_D : -4.3

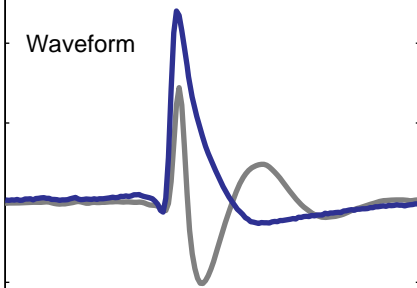
β_P : 1.3 SI: -0.93

Session FR: 0.772 Hz

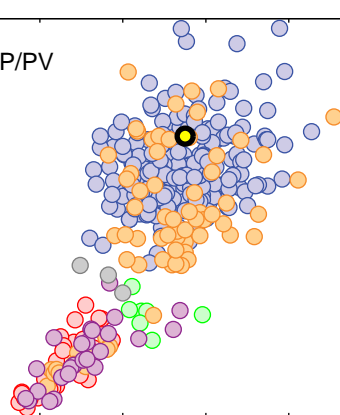
Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 11.4Hz (0.35s) **MSN**

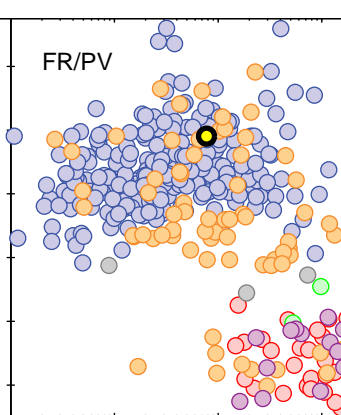
Waveform



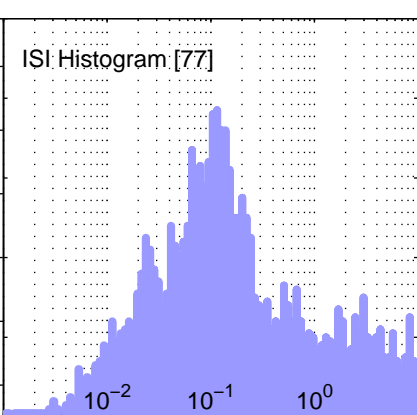
HP/PV



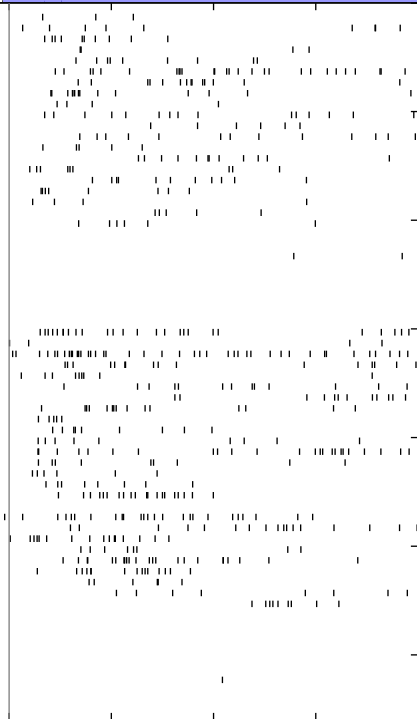
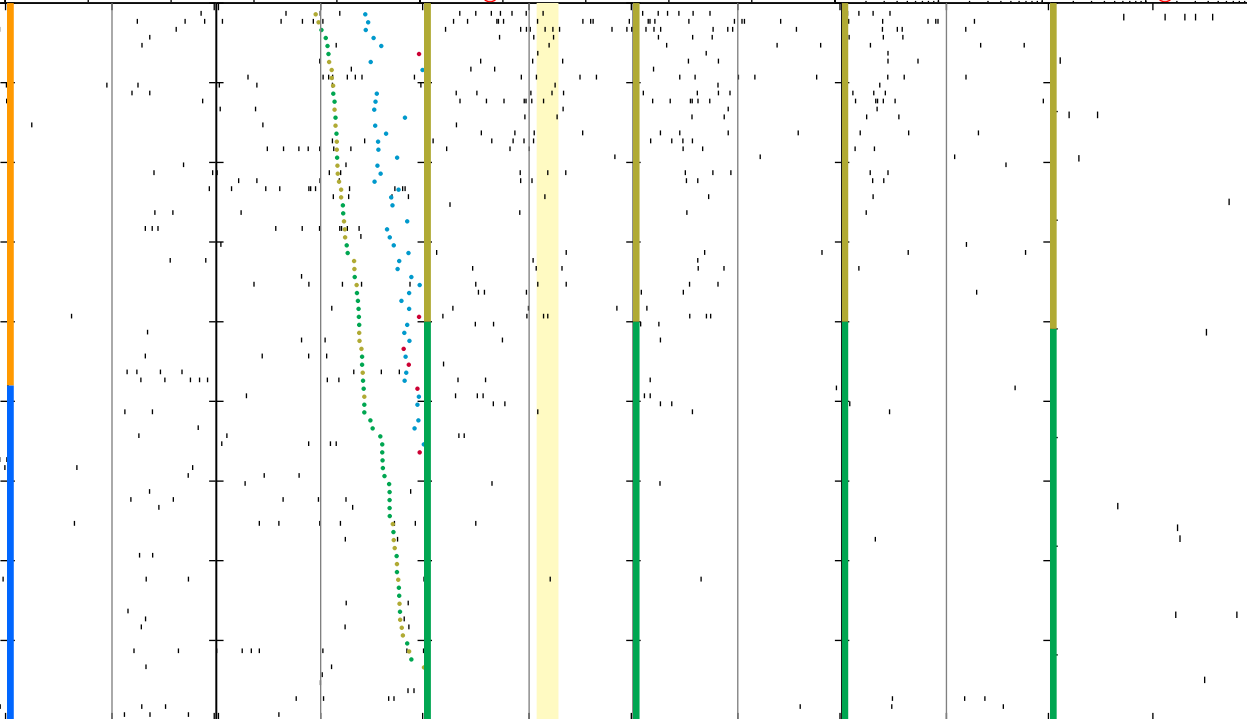
FR/PV



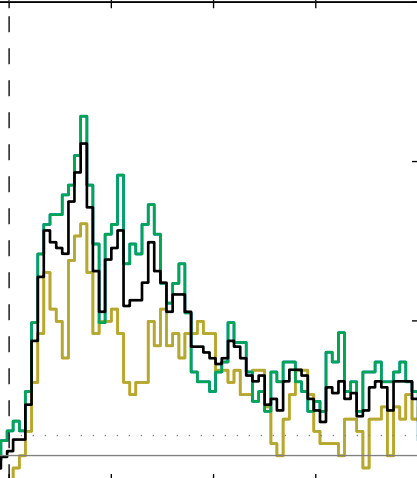
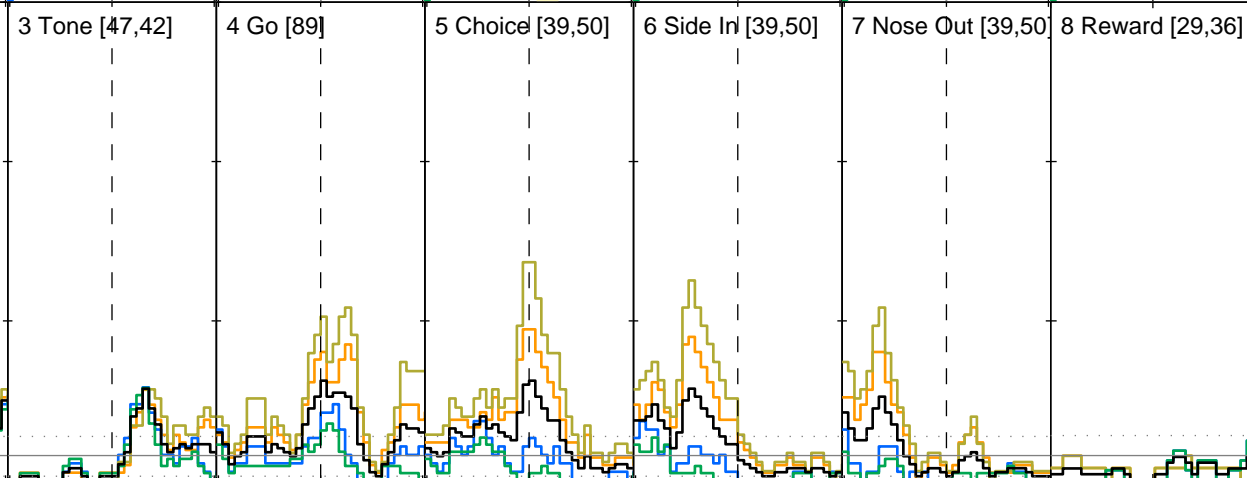
ISI Histogram [77]



10
20
30
40
50
60
70
80
90



10
5



Cell: C0320070621T07b

AP: 0.96 ML: 3.6 DV: 6

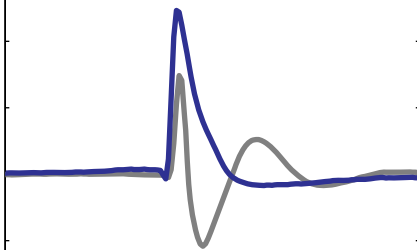
w: 4 n: 2038 $P_{ISI>2}$: 0.91/2pw: 266 μ s p \rightarrow v: 1040 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

Session FR: 0.669 Hz

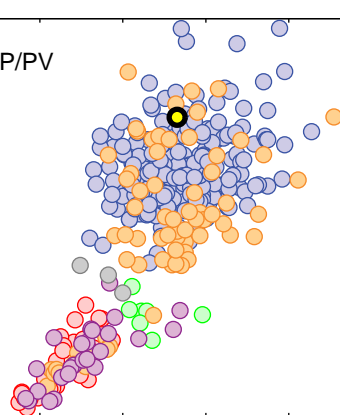
Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 5.68Hz (0.38s) **MSN**

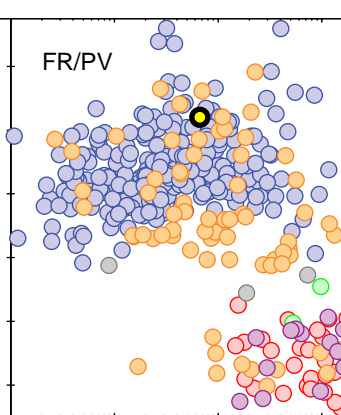
Waveform



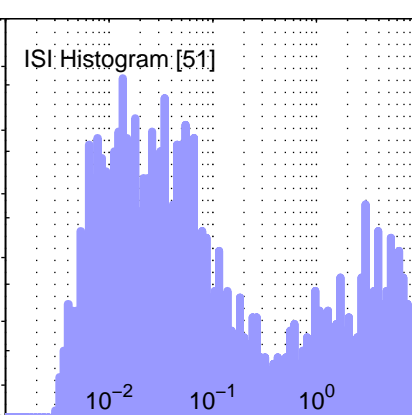
HP/PV



FR/PV



ISI Histogram [51]

10
20
30
40
50
60
70
80
90
100

1 Cue On [104]

2 Nose In [104]

3 Tone [45,59]

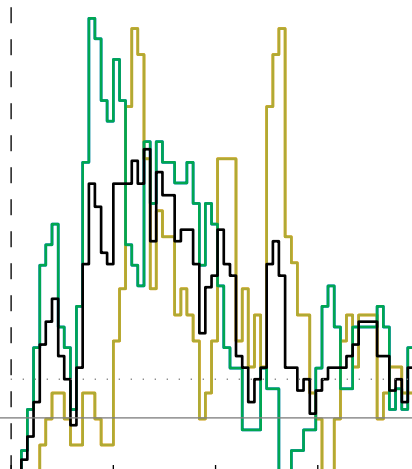
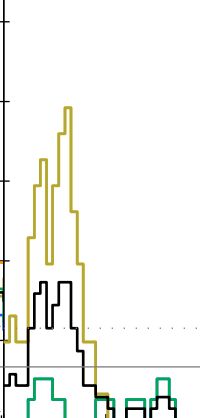
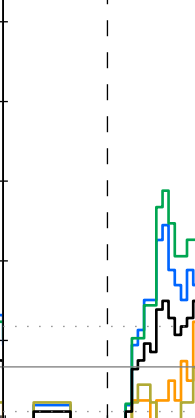
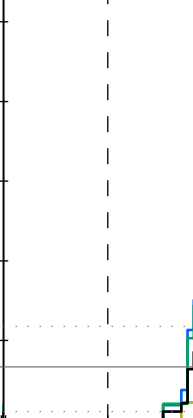
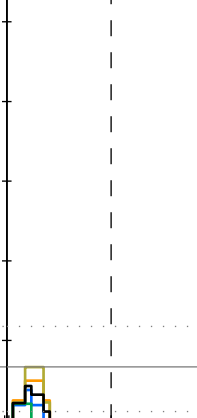
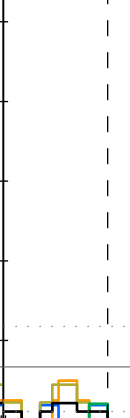
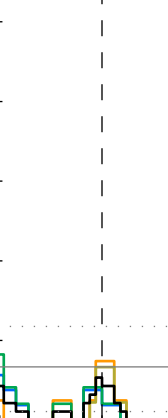
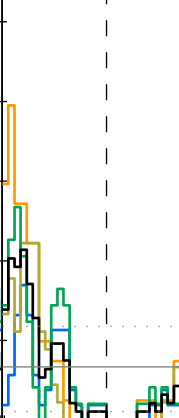
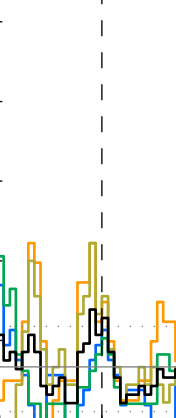
4 Go [104]

5 Choice [50,54]

6 Side In [50,54]

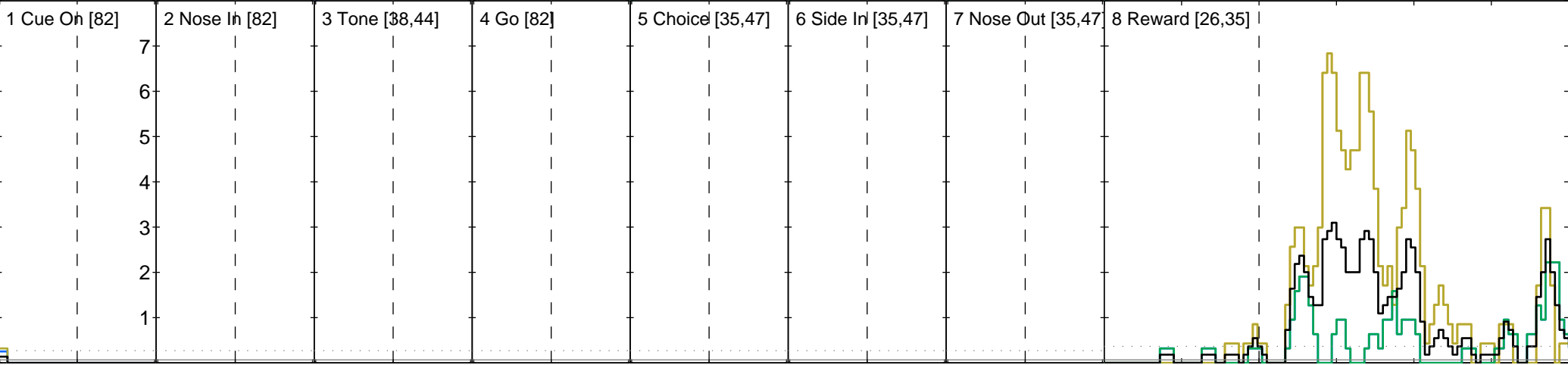
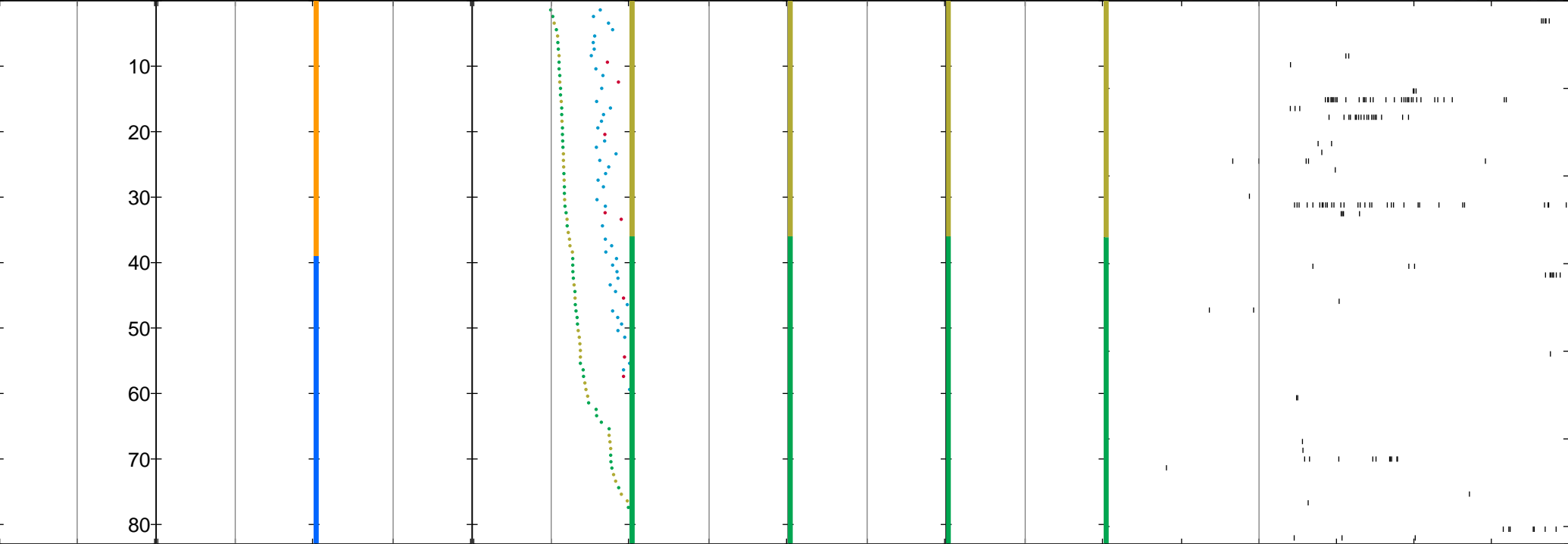
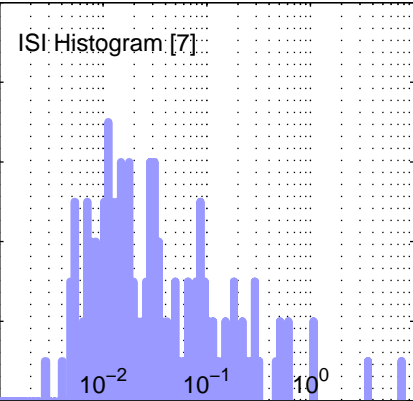
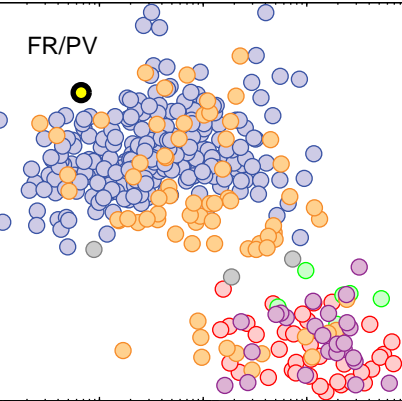
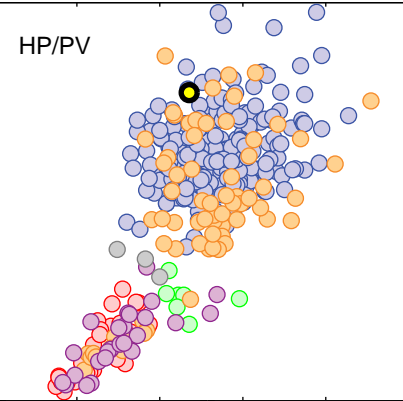
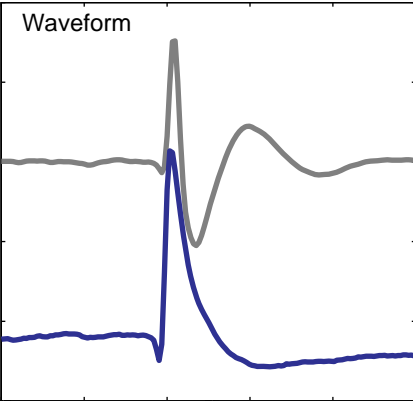
7 Nose Out [50,54]

8 Reward [34,43]

5
4
3
2

Cell: C0320070630T09F

AP: 1.6 ML: 3.7 DV: 6.2
w: 4 n: 189 $P_{ISI>2}$: 1
1/2pw: 235 μ s p \rightarrow v: 1067 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0666 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 6.84Hz (0.44s) **MSN**



Cell: C0320070626T07d

AP: 0.96 ML: 3.6 DV: 6.8

w: 4 n: 3022 $P_{ISI>2}$: 0.84

1/2pw: 302 μ s p->v: 806 μ s

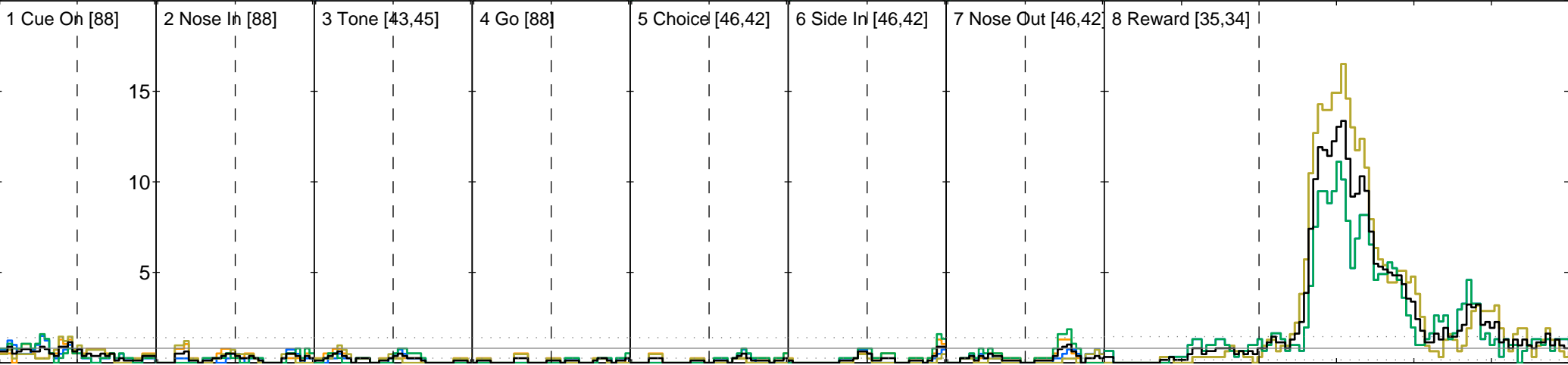
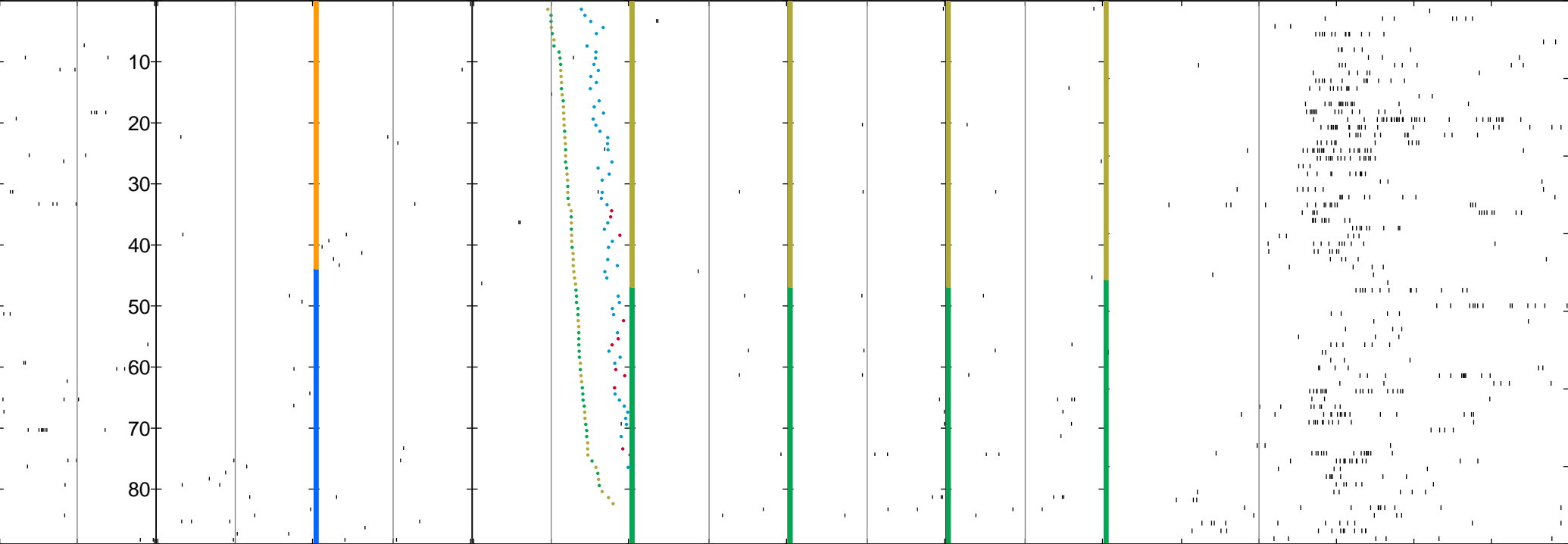
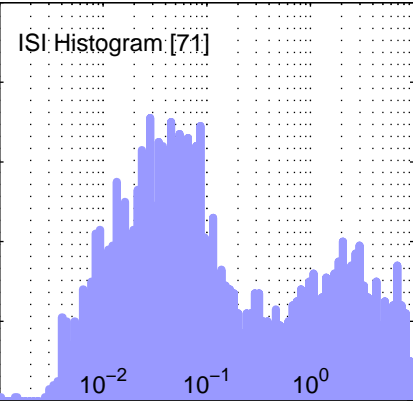
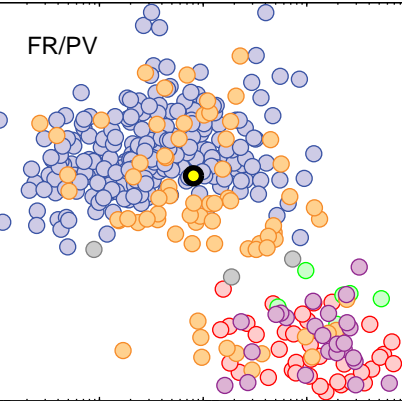
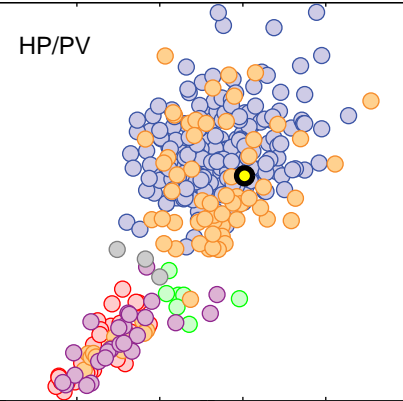
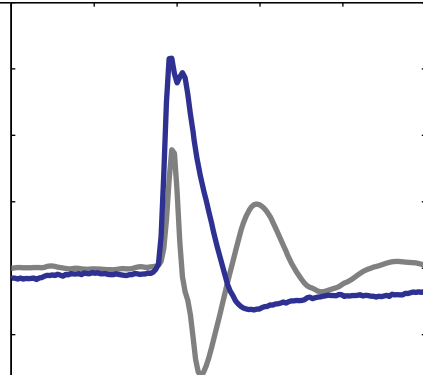
β_T : NaN β_D : NaN

β_P : NaN SI: NaN

Session FR: 0.809 Hz

Pk Ev: 8 - Reward (T1/Con)

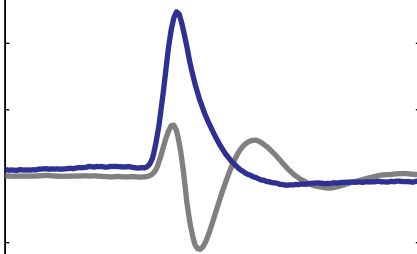
Pk FR: 16.5Hz (0.53s) MSN



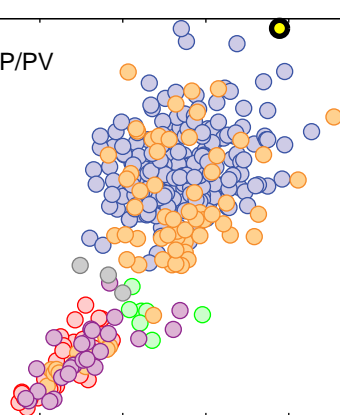
Cell: C0320070619T09h

AP: 1.6 ML: 3.7 DV: 5
w: 4 n: 1336 $P_{ISI>2}$: 0.98
1/2pw: 389 μ s p->v: 1320 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.318 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 29.4Hz (0.62s) **MSN**

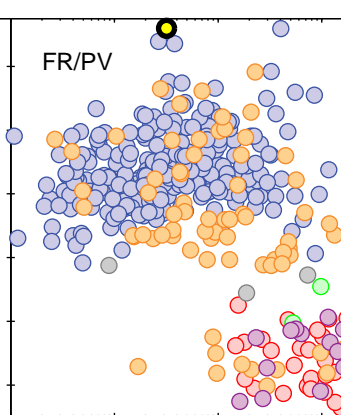
Waveform



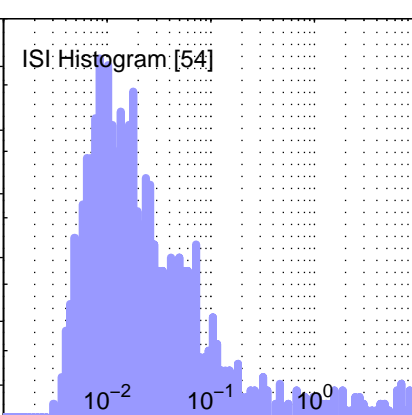
HP/PV



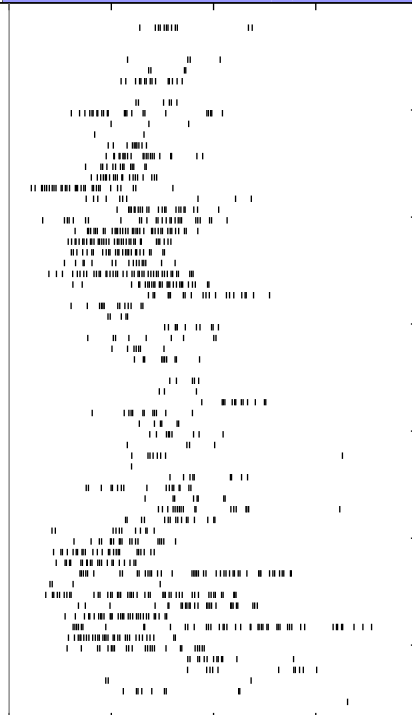
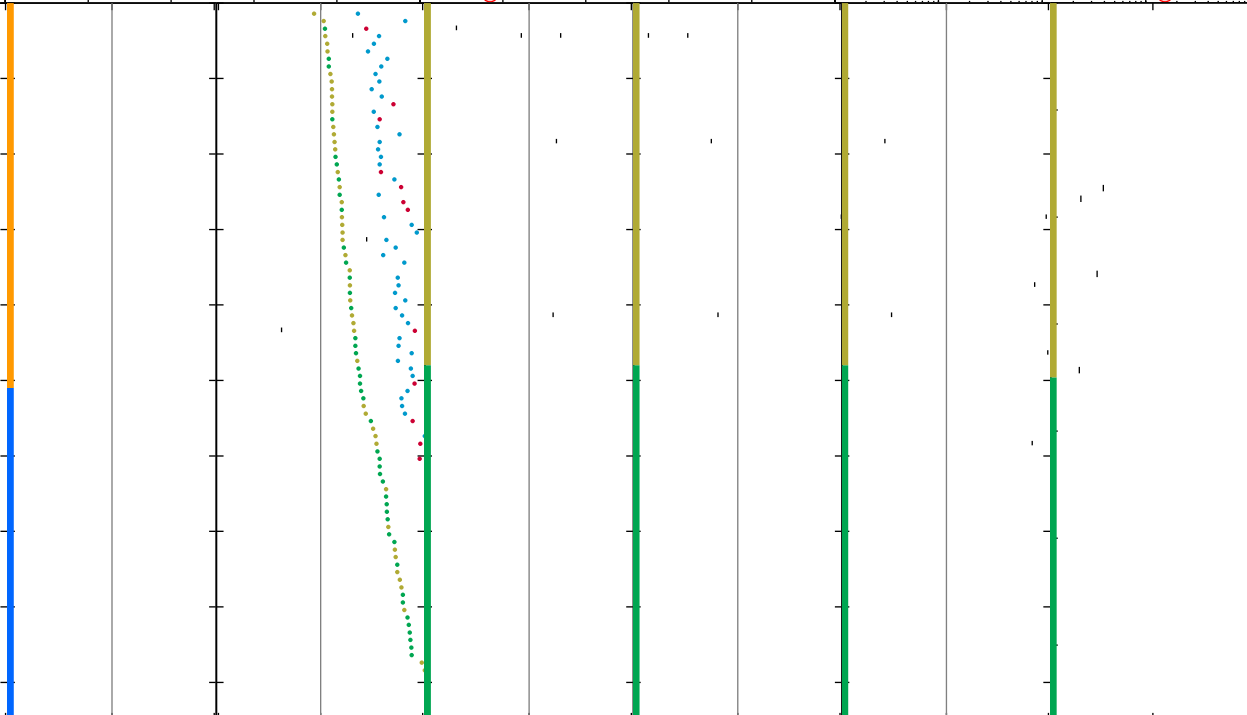
FR/PV



ISI Histogram [54]

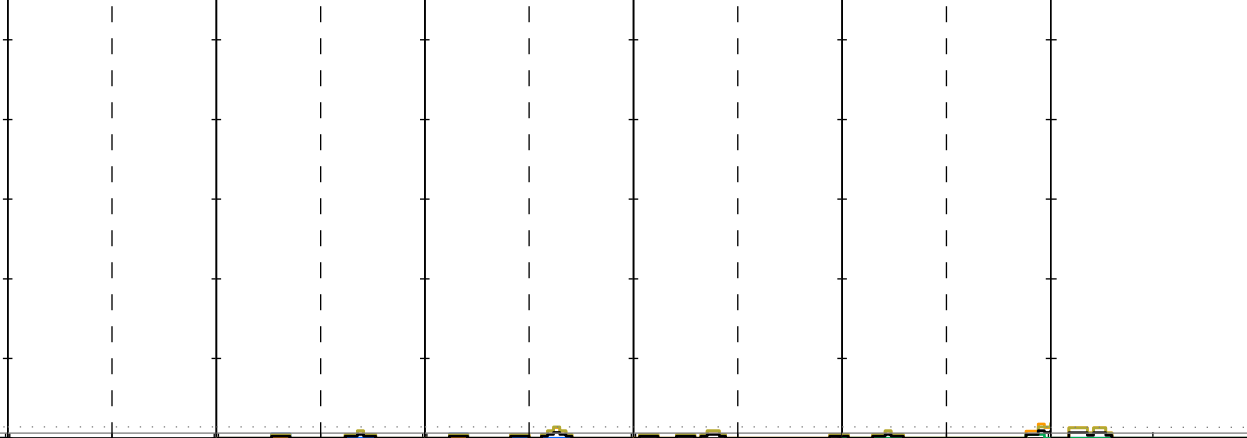


10
20
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40
50
60
70
80
90



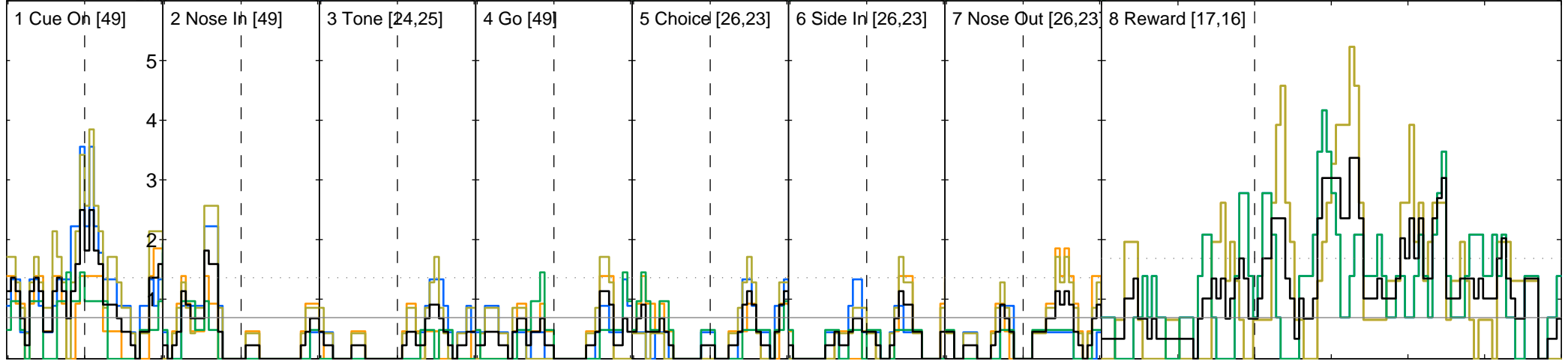
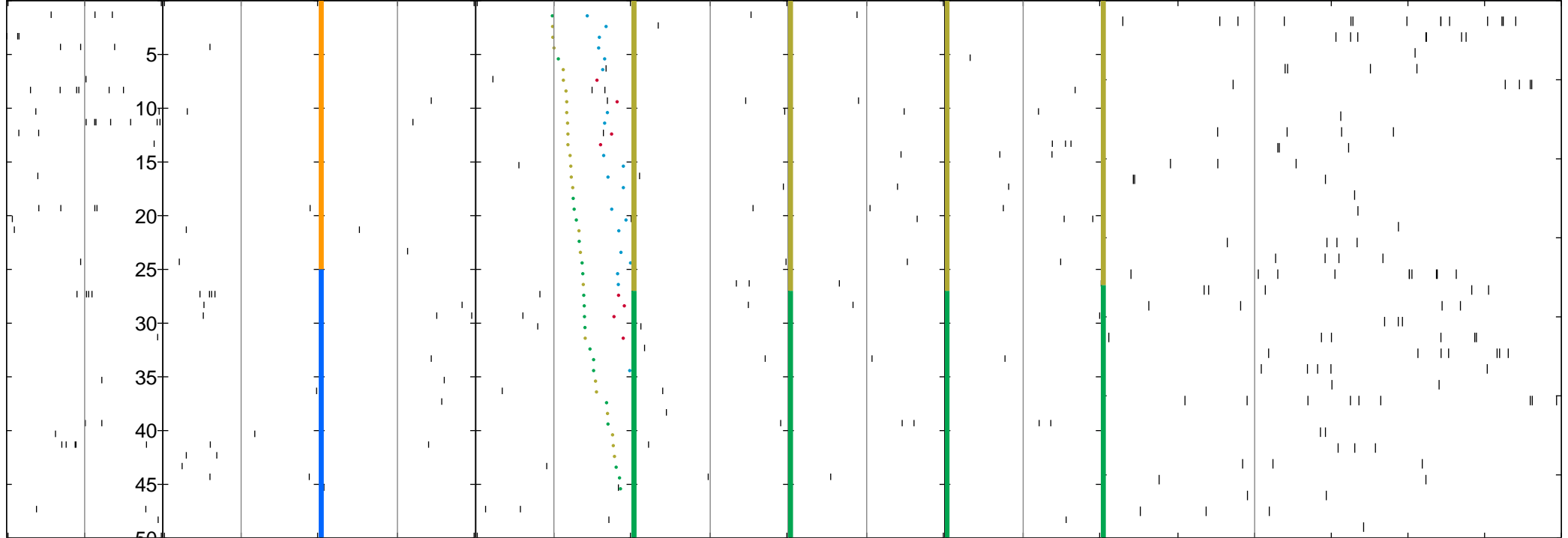
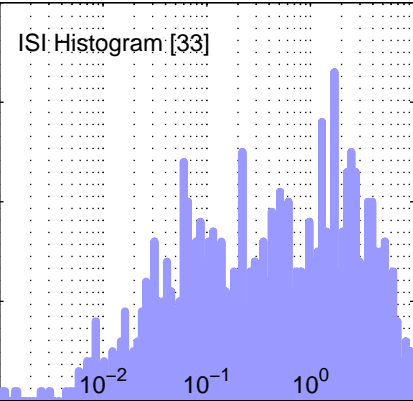
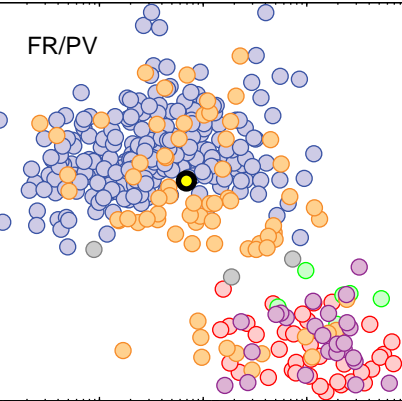
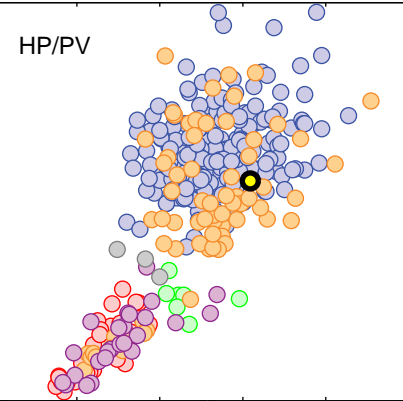
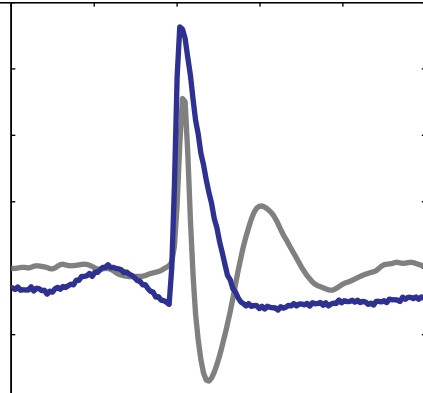
1 Cue On [94] 2 Nose In [94] 3 Tone [50,44] 4 Go [94] 5 Choice [47,47] 6 Side In [47,47] 7 Nose Out [47,47] 8 Reward [34,32]

25
20
15
10
5



Cell: C0320070621T09e

AP: 1.6 ML: 3.7 DV: 5.1
w: 4 n: 1037 $P_{ISI>2}$: 0.76
1/2pw: 309 μ s p->v: 790 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.691 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 5.23Hz (0.62s) **MSN**



Cell: C0320070622T11c

AP: -0.96 ML: 3.7 DV: 5.8

w: 2 n: 1066 $P_{ISI>2}$: 0.96

1/2pw: 272 μ s p->v: 875 μ s

β_T : NaN β_D : NaN

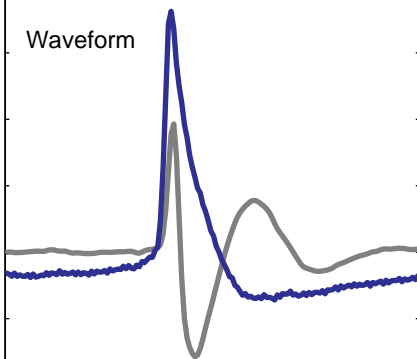
β_P : NaN SI: NaN

Session FR: 0.272 Hz

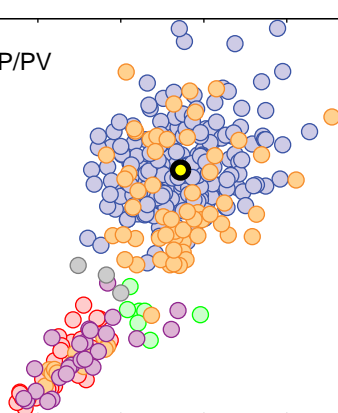
Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 8.55Hz (0.68s) **MSN**

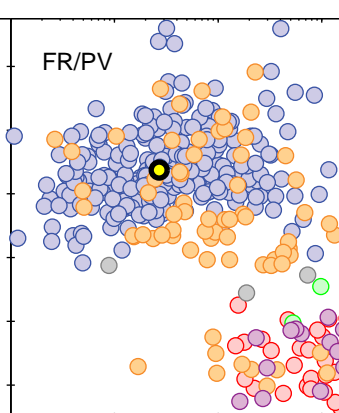
Waveform



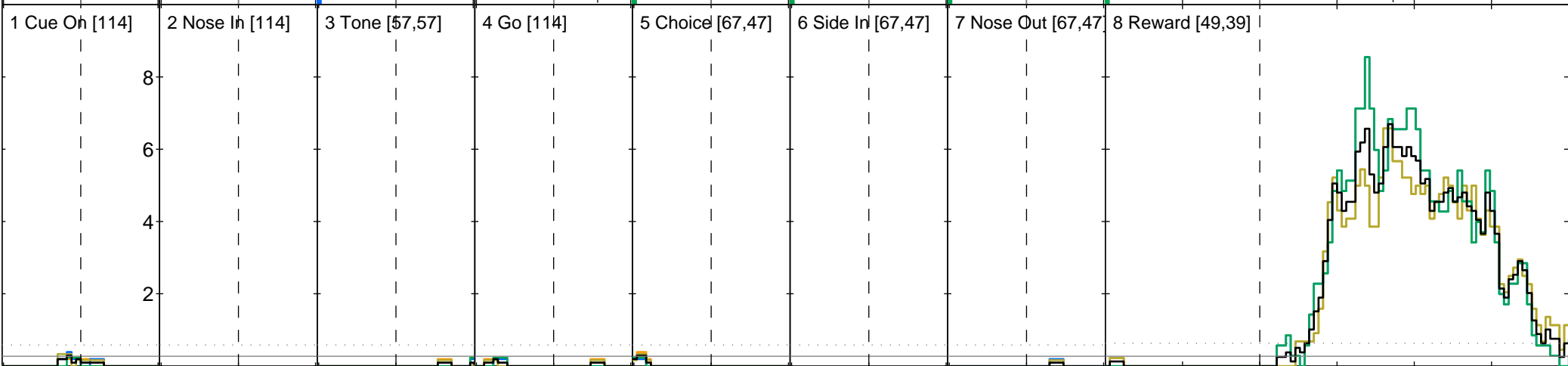
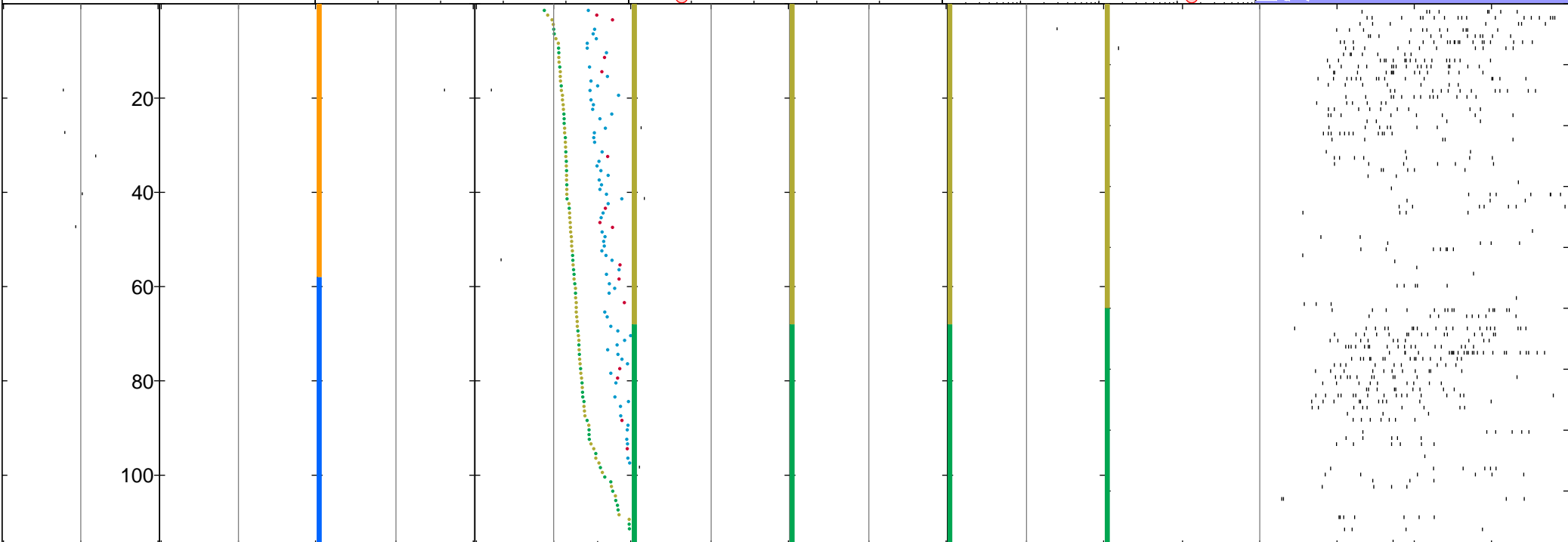
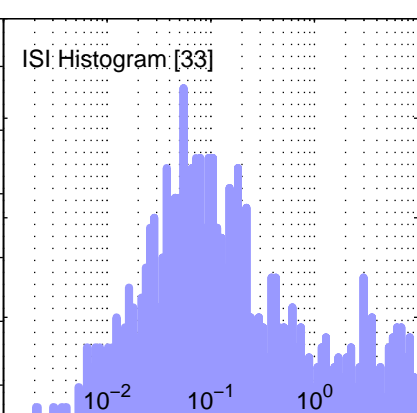
HP/PV



FR/PV

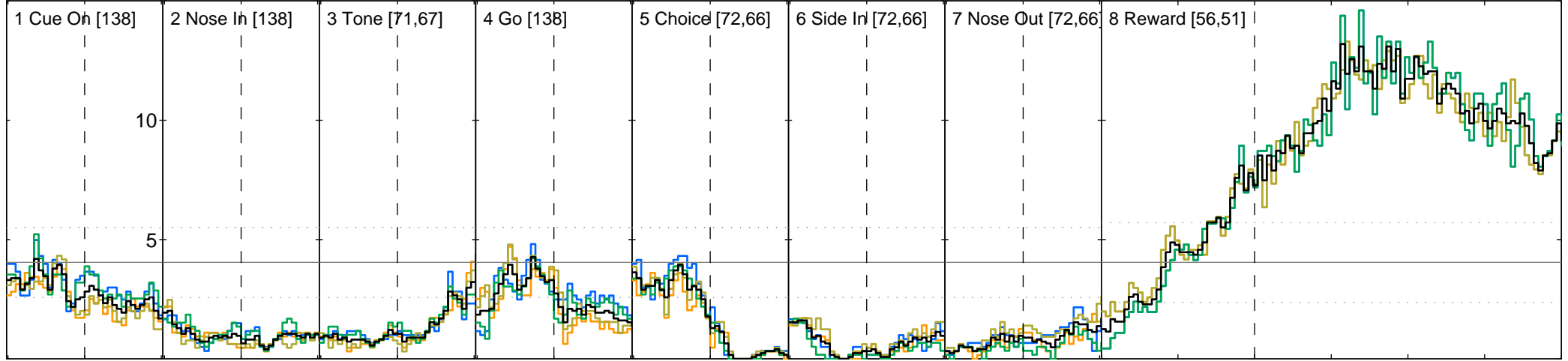
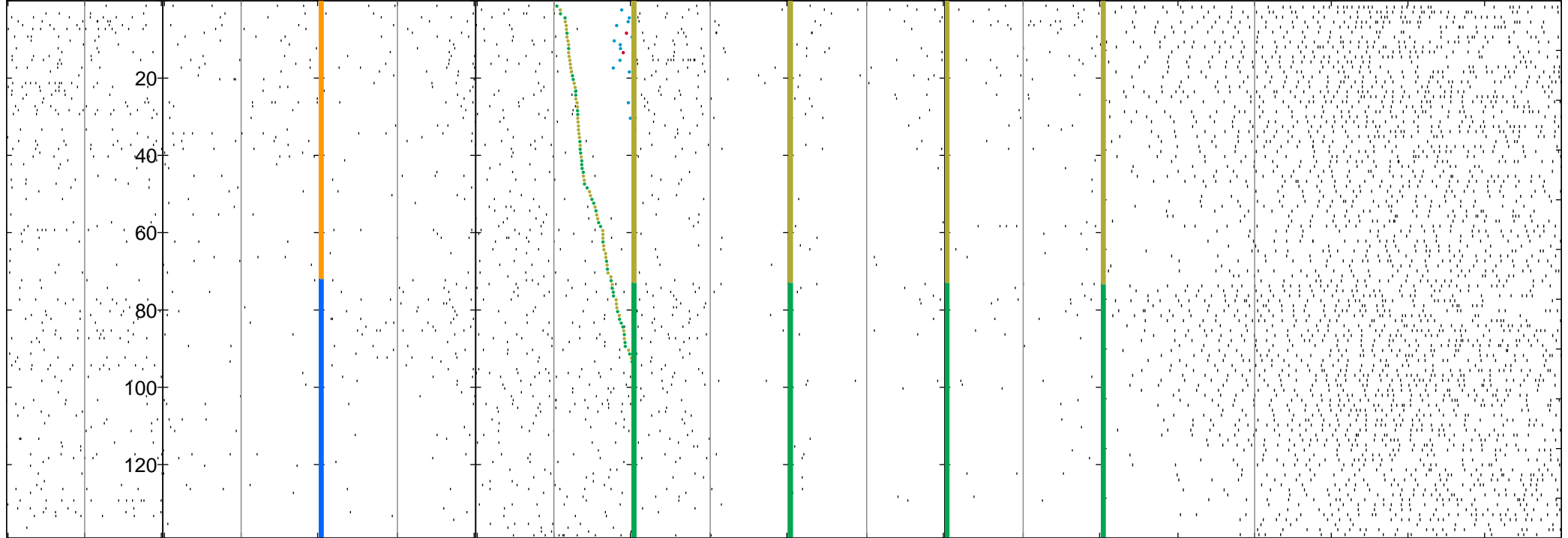
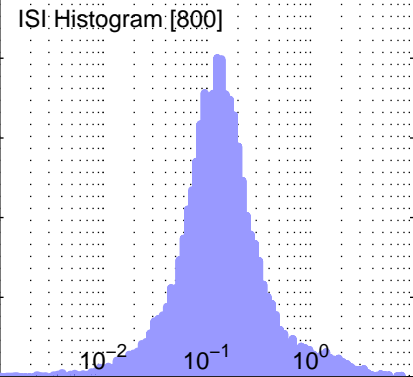
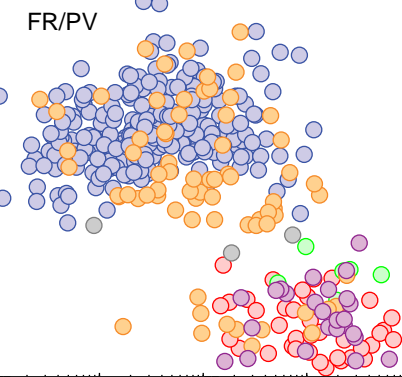
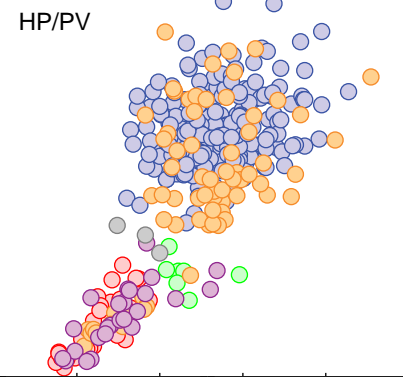
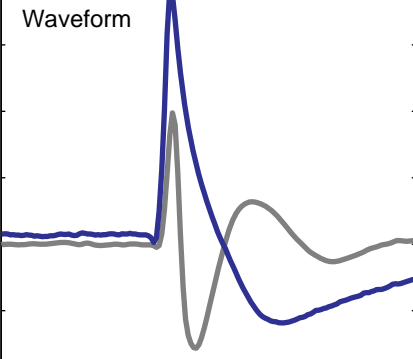


ISI Histogram [33]



Cell: C0420070301T04a

AP: 2.5 ML: 1.8 DV: 5.8
w: 4 n: 14734 $P_{ISI>2}$: 0.17
1/2pw: 270 μ s p->v: 1318 μ s
 β_T : 2.3 β_D : -2.1
 β_P : -2.8 SI: NaN
Session FR: 4.04 Hz
Pk Ev: 8 - Reward (T2/Ipsi)
Pk FR: 14.6Hz (0.68s) **MSN**



Cell: C0320070623T07d

AP: 0.96 ML: 3.6 DV: 6.3

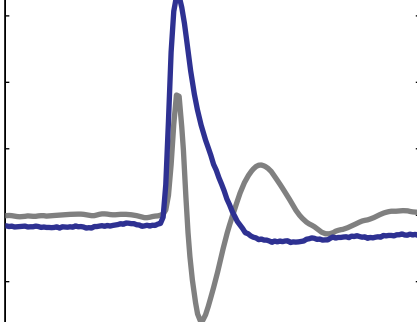
w: 4 n: 8452 $P_{ISI>2}$: 0.631/2pw: 334 μ s p \rightarrow v: 981 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

Session FR: 2.23 Hz

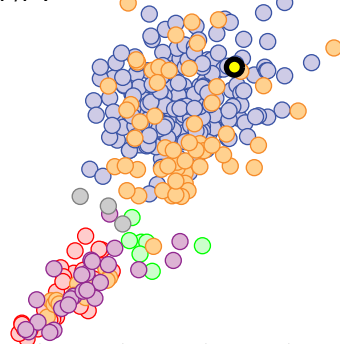
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 14.2Hz (0.74s) **MSN**

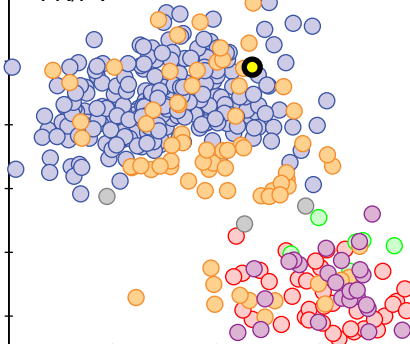
Waveform



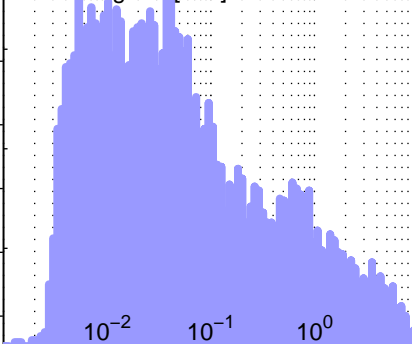
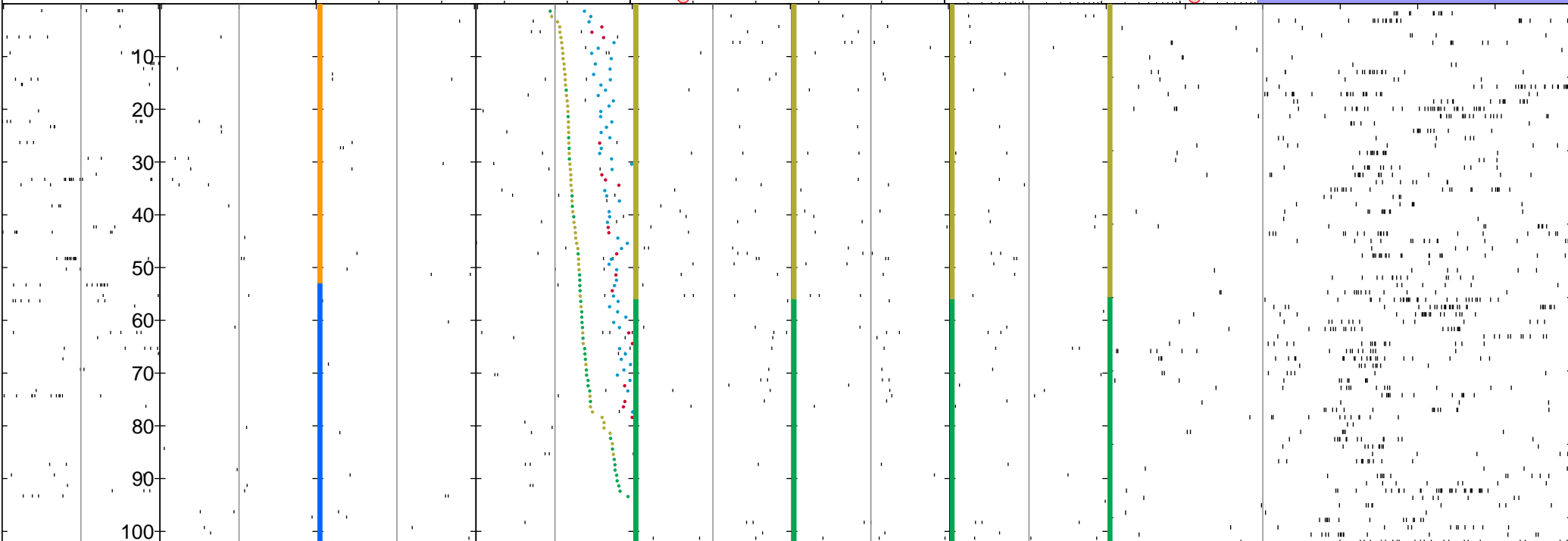
HP/PV



FR/PV



ISI Histogram [182]

10
20
30
40
50
60
70
80
90
100

1 Cue On [102]

2 Nose In [102]

3 Tone [52,50]

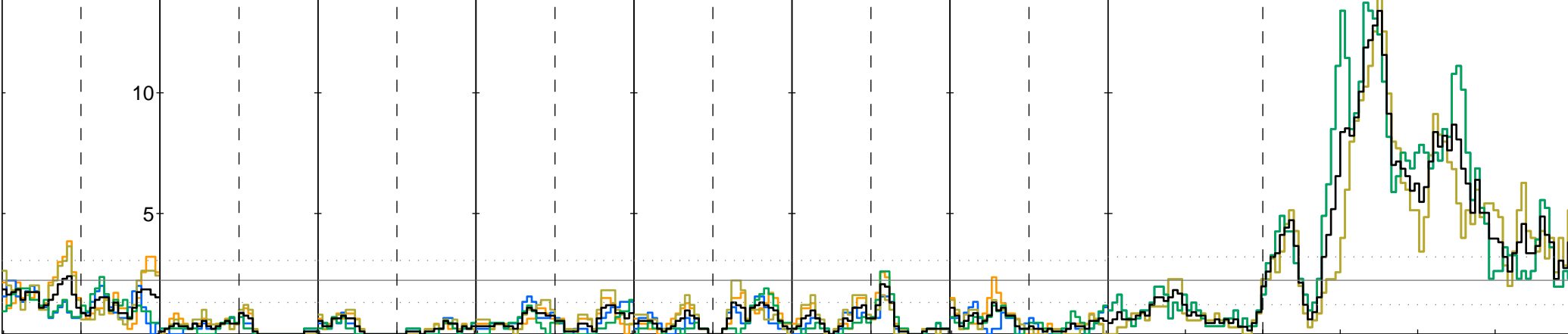
4 Go [102]

5 Choice [55,47]

6 Side In [55,47]

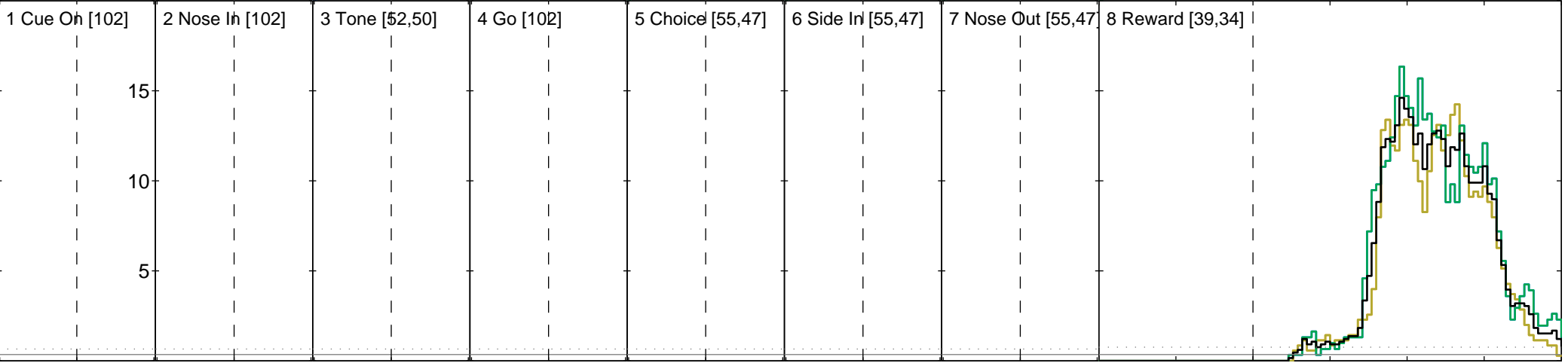
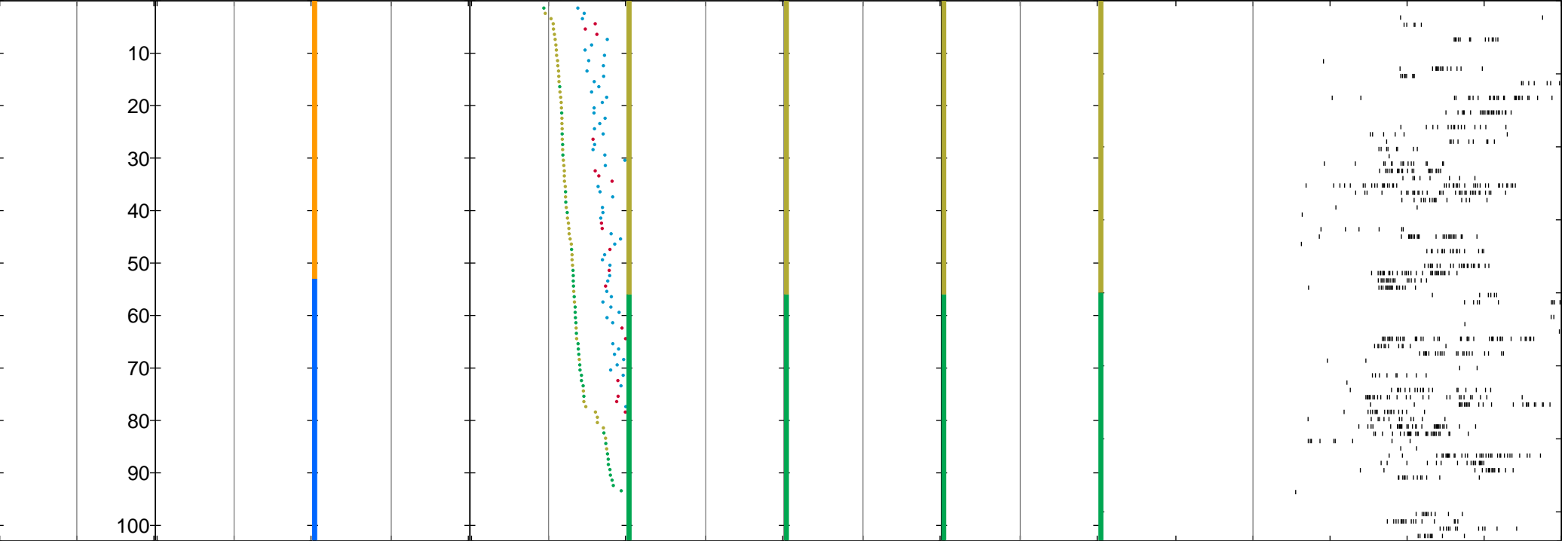
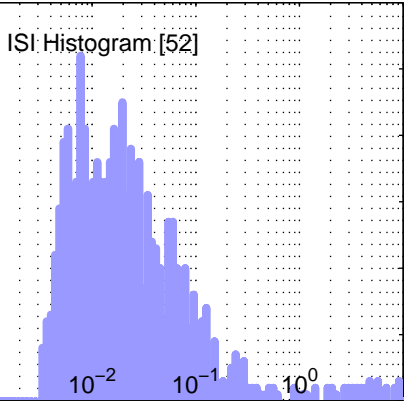
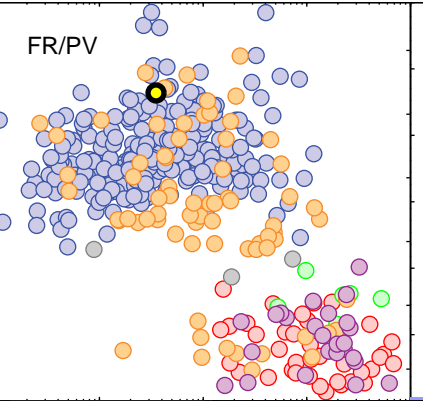
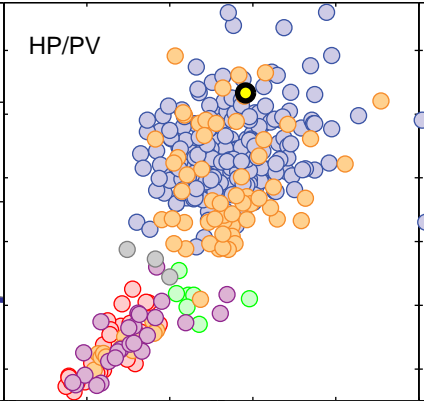
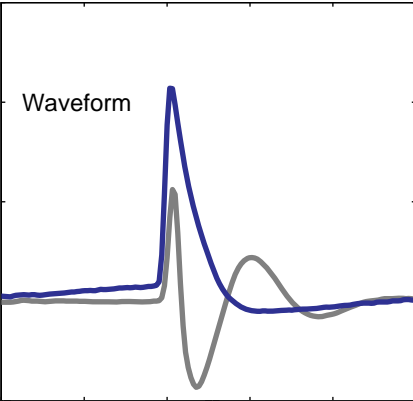
7 Nose Out [55,47]

8 Reward [39,34]

10
5

Cell: C0320070623T11b

AP: -0.96 ML: 3.7 DV: 5.9
w: 2 n: 1242 $P_{ISI>2}$: 0.98
1/2pw: 291 μ s p->v: 1066 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.351 Hz
Pk Ev: 8 - Reward (T2/Ipsi)
Pk FR: 16.3Hz (0.95s) **MSN**



Cell: C0320070702T07a

AP: 0.96 ML: 3.6 DV: 7.8

w: 2 n: 2407 $P_{ISI>2}$: 0.9

1/2pw: 314 μ s p->v: 1086 μ s

β_T : NaN β_D : NaN

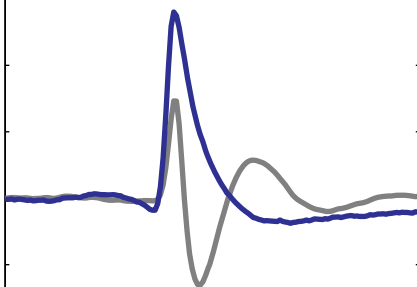
β_P : NaN SI: NaN

Session FR: 0.48 Hz

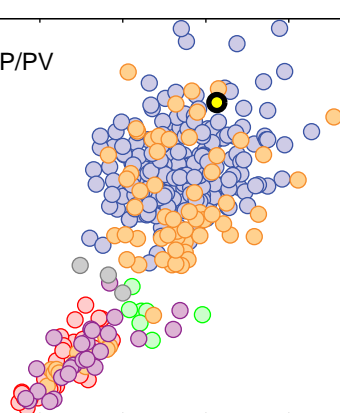
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 9.07Hz (1.01s) **MSN**

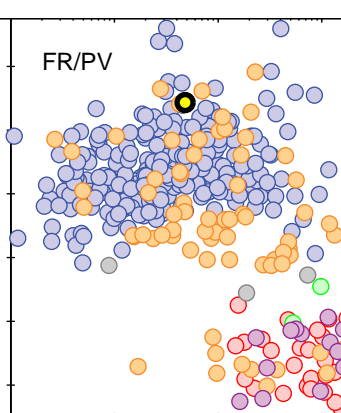
Waveform



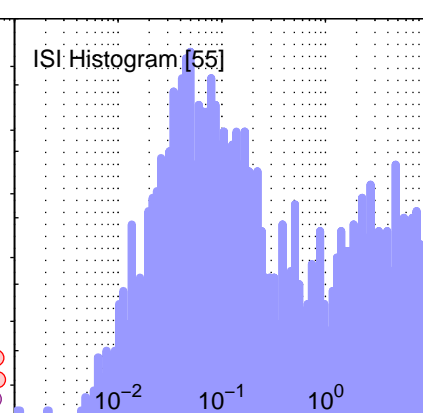
HP/PV



FR/PV



ISI Histogram [55]



20

40

60

80

100

120

1 Cue On [135]

2 Nose In [135]

3 Tone [71,64]

4 Go [135]

5 Choice [73,62]

6 Side In [73,62]

7 Nose Out [73,62]

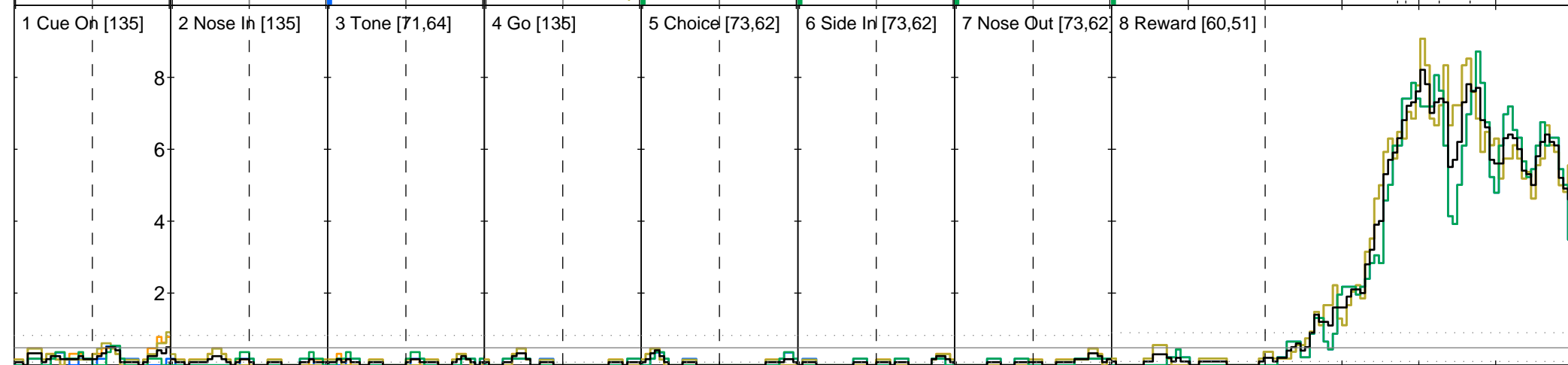
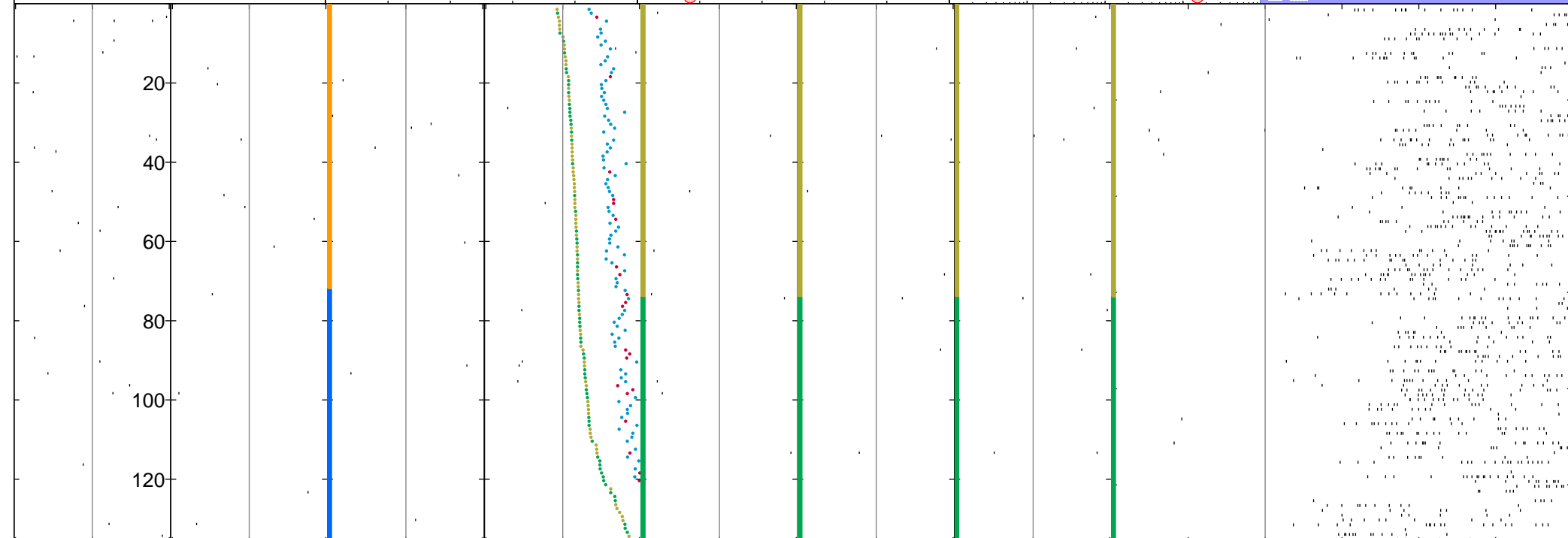
8 Reward [60,51]

8

6

4

2



Cell: C0320070619T07a

AP: 0.96 ML: 3.6 DV: 5.8

w: 2 n: 12665 $P_{ISI>2}$: 0.32

1/2pw: 242 μ s p \rightarrow v: 835 μ s

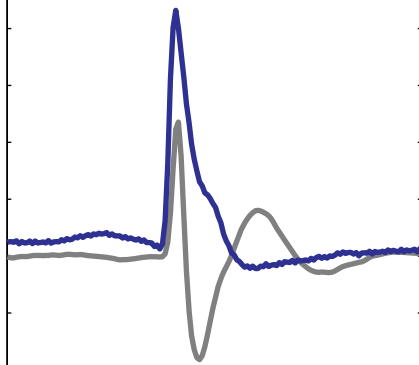
β_T : 2.1 β_D : -2

β_P : -3.5 SI: NaN

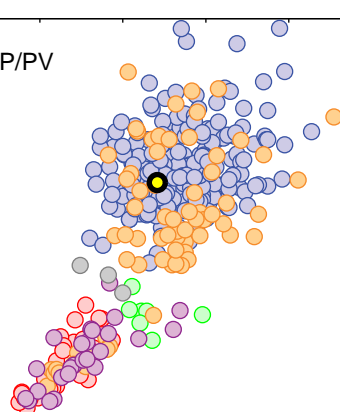
Session FR: 2.99 Hz

Pk Ev: 8 - Reward (T1/Con)

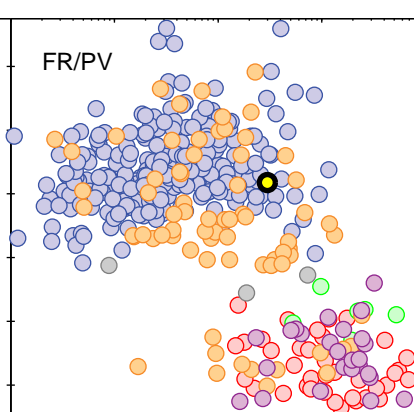
Pk FR: 10.8Hz (1.04s) **MSN**



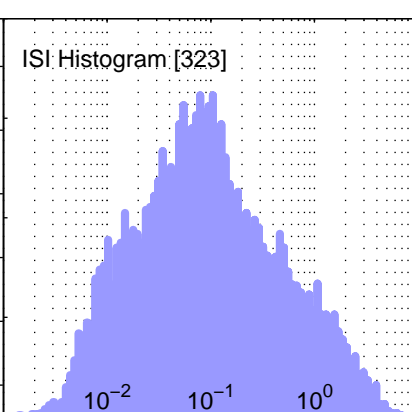
HP/PV



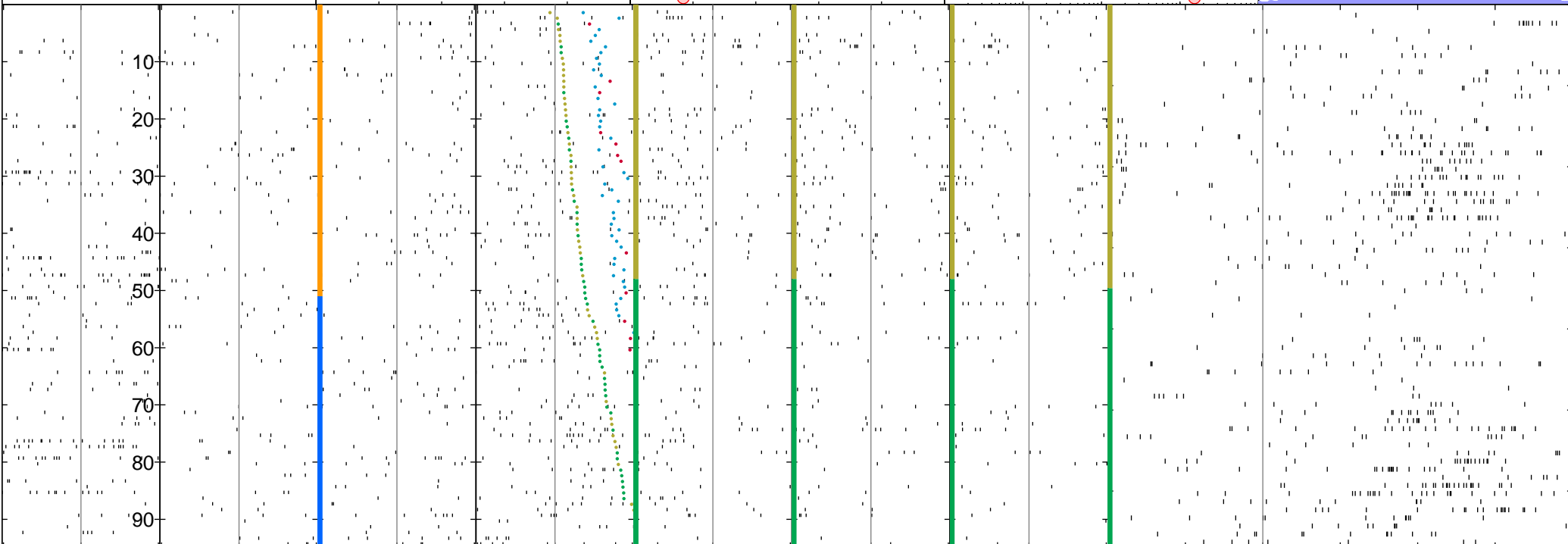
FR/PV



ISI Histogram [323]



10
20
30
40
50
60
70
80
90



1 Cue On [94]

2 Nose In [94]

3 Tone [50,44]

4 Go [94]

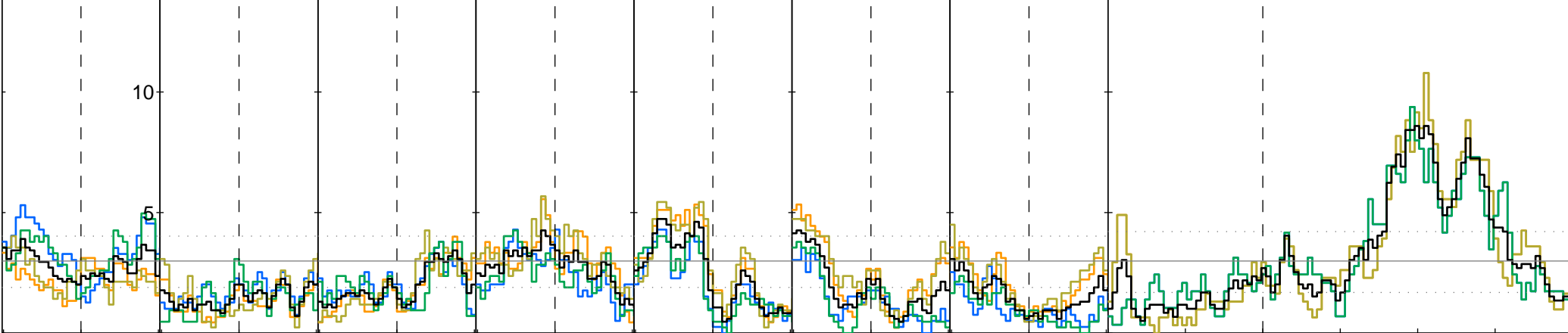
5 Choice [47,47]

6 Side In [47,47]

7 Nose Out [47,47]

8 Reward [34,32]

10



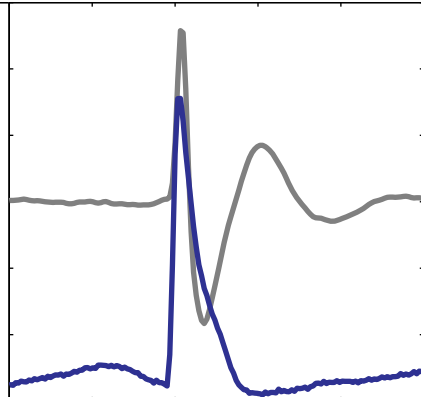
Cell: C0320070630T07a

AP: 0.96 ML: 3.6 DV: 7.5

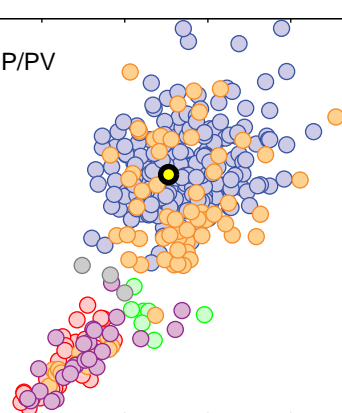
w: 3 n: 2605 $P_{ISI>2}$: 0.791/2pw: 253 μ s p->v: 861 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

Session FR: 0.858 Hz

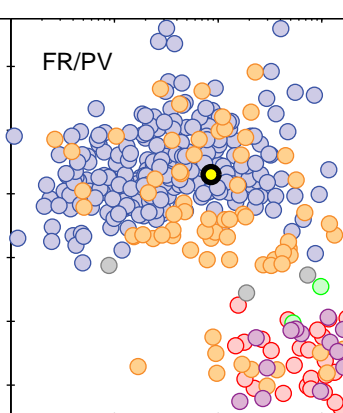
Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 11.7Hz (1.04s) **MSN**

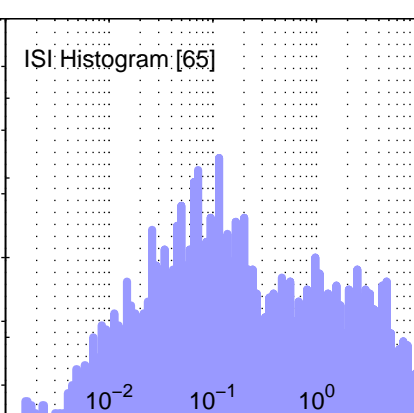
HP/PV



FR/PV



ISI Histogram [65]



10

20

30

40

50

60

70

80

1 Cue On [82]

2 Nose In [82]

3 Tone [38,44]

4 Go [82]

5 Choice [35,47]

6 Side In [35,47]

7 Nose Out [35,47]

8 Reward [26,35]

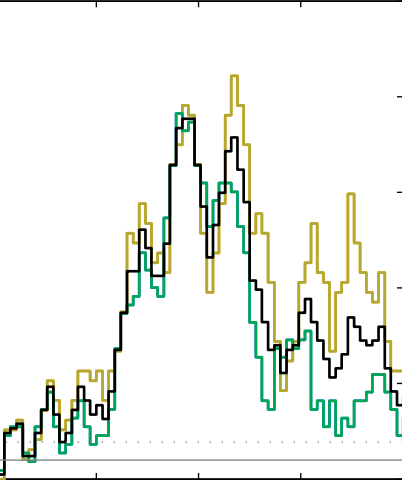
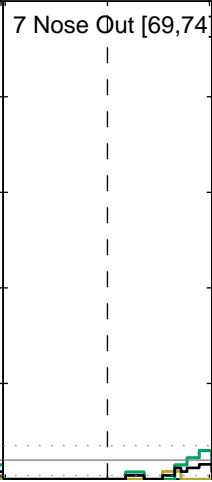
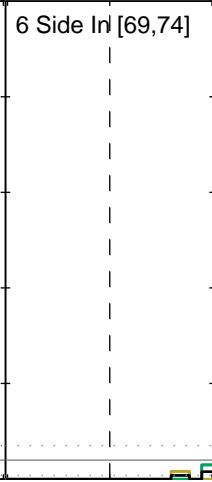
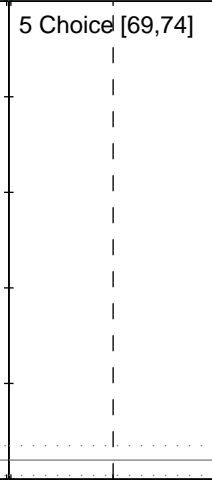
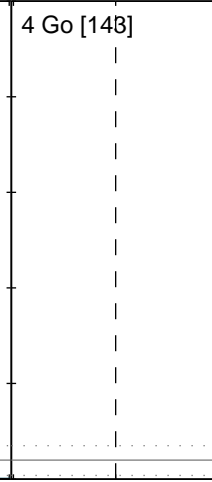
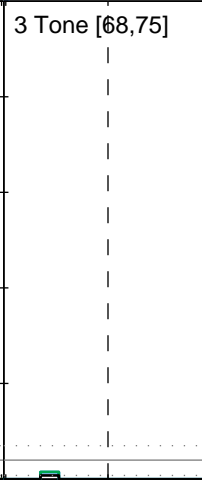
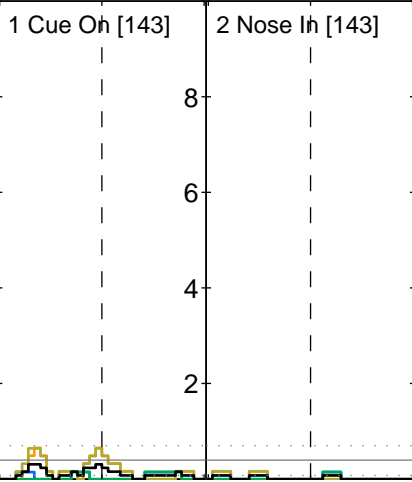
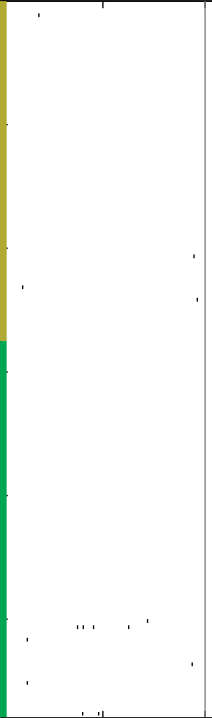
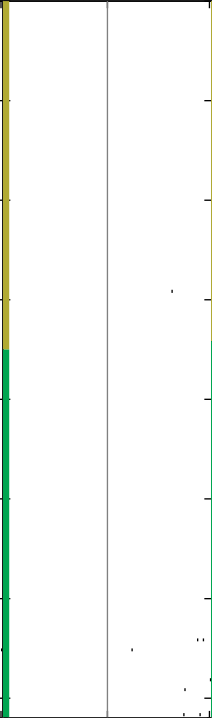
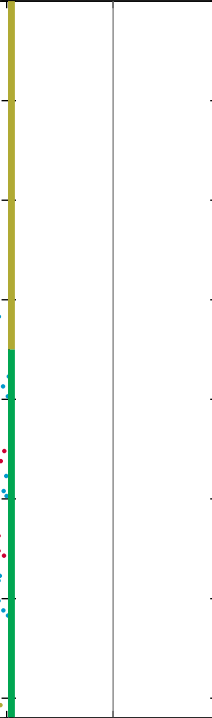
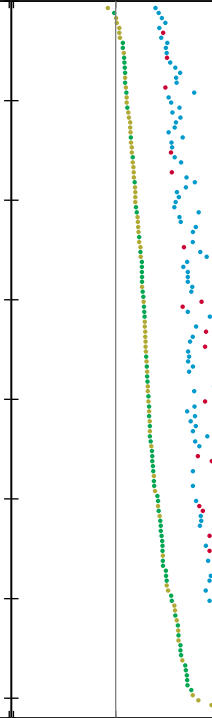
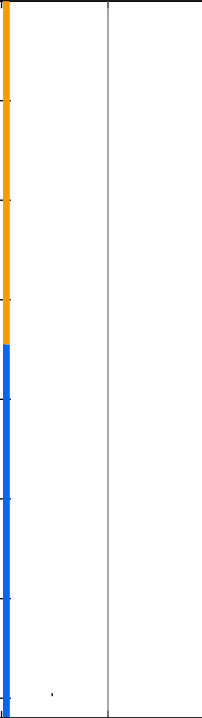
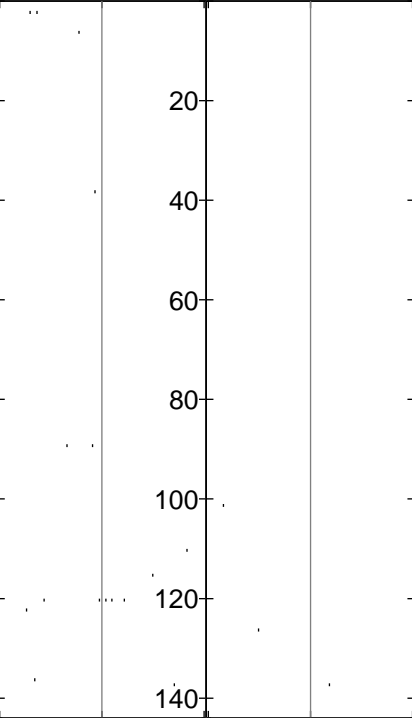
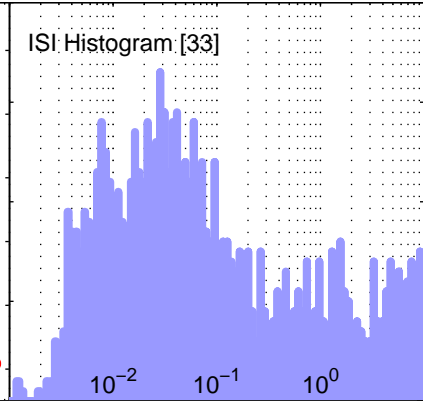
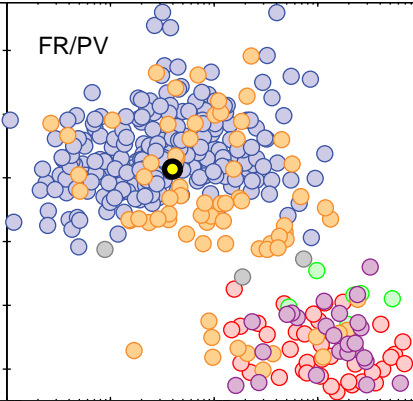
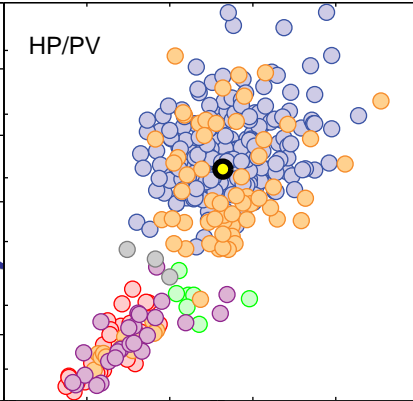
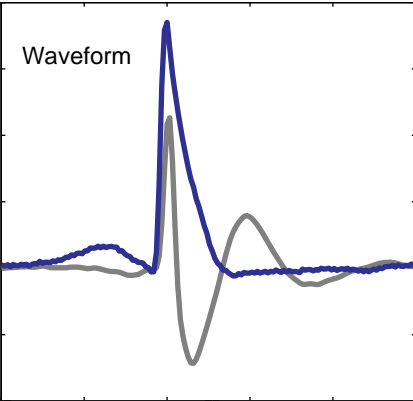
10

5

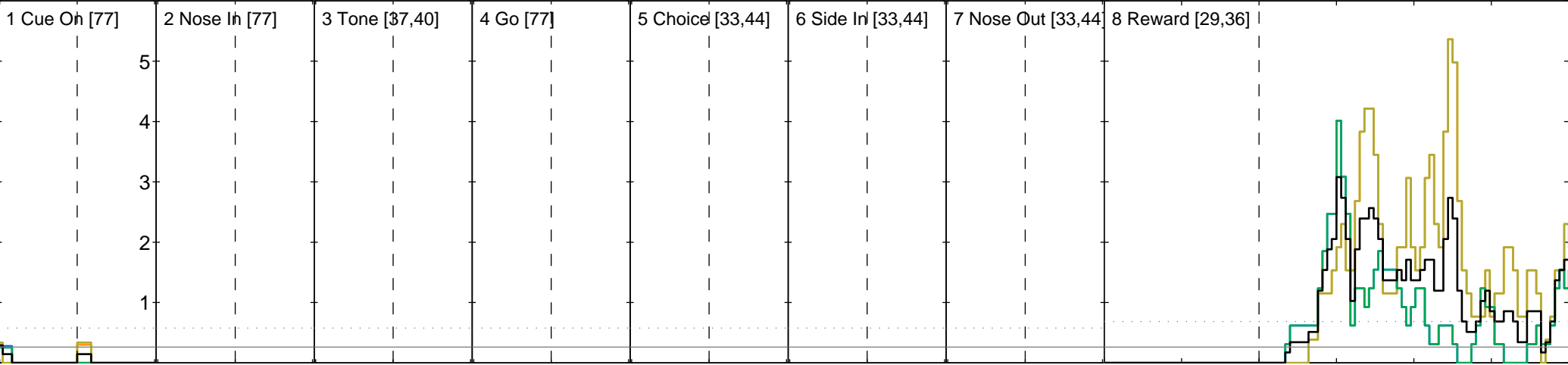
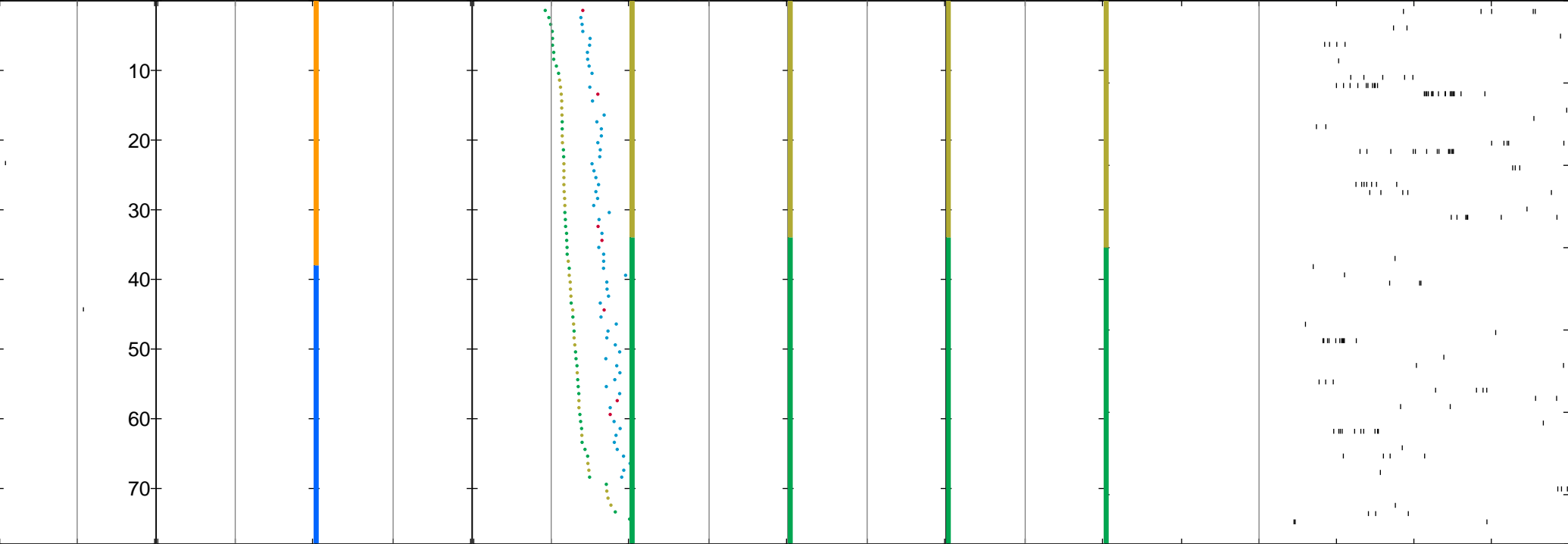
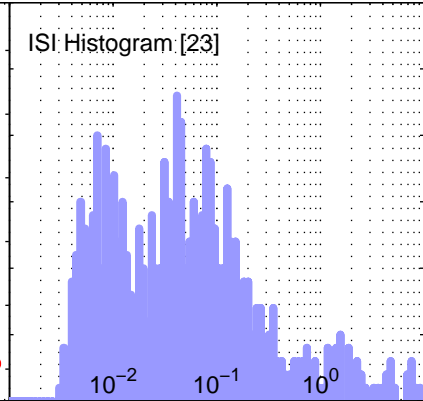
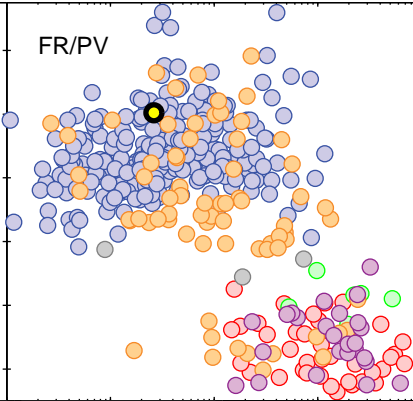
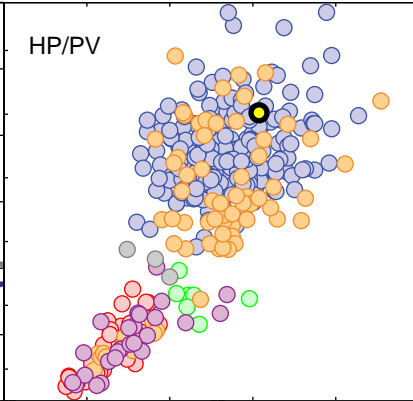
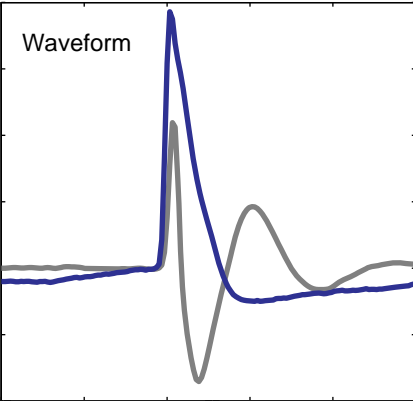


Cell: C0320070624T11e

AP: -0.96 ML: 3.7 DV: 6.1
w: 2 n: 1467 $P_{ISI>2}$: 0.93
1/2pw: 264 μ s p->v: 827 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.396 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 8.44Hz (1.16s) **MSN**

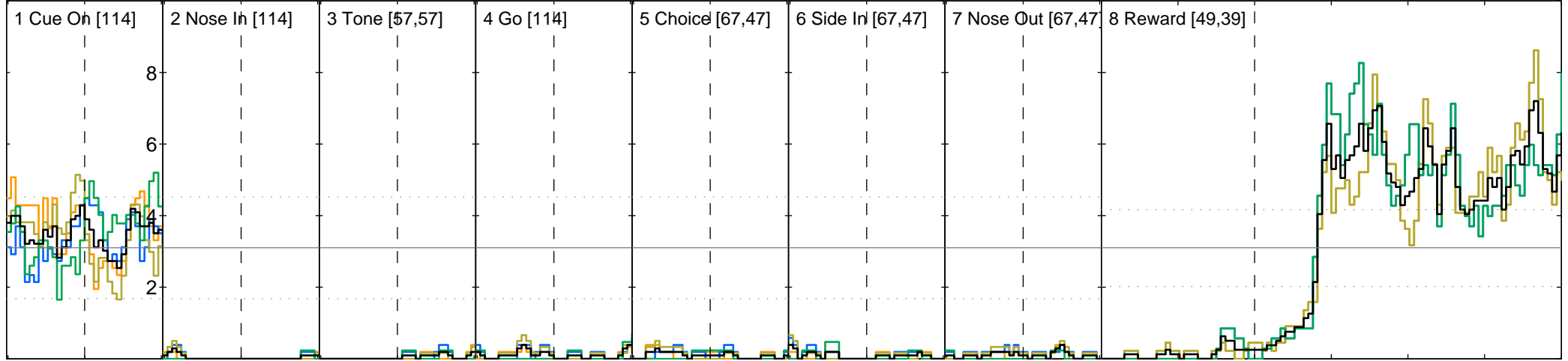
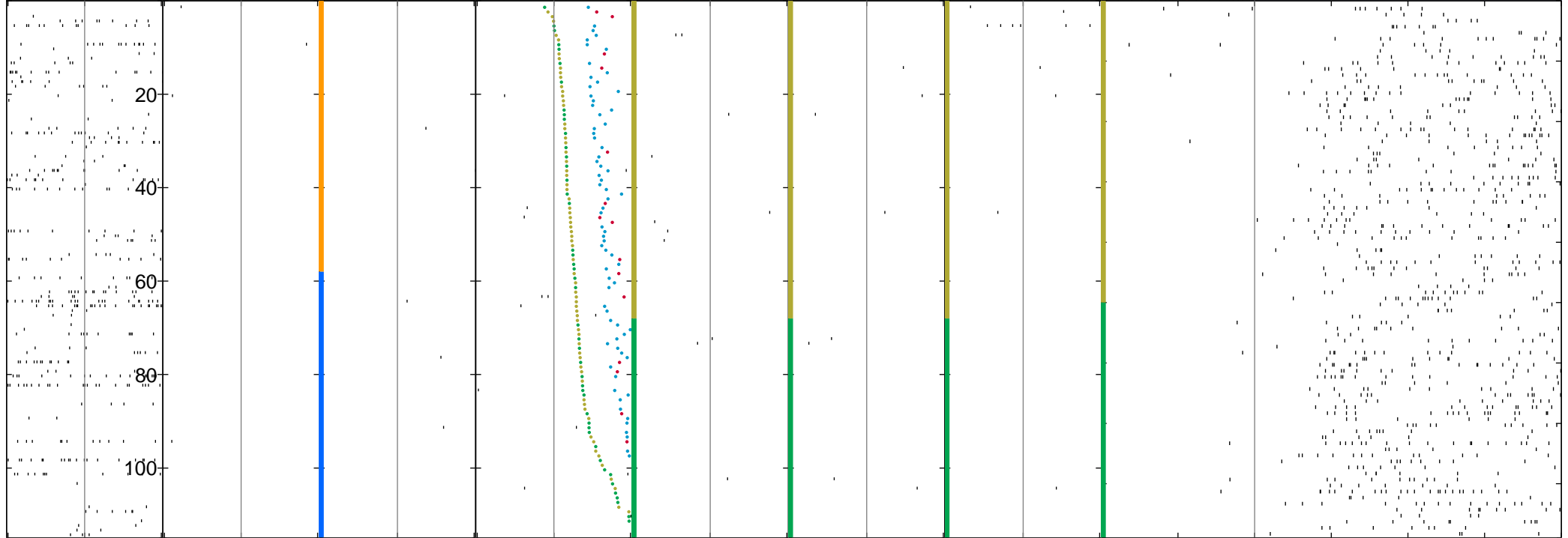
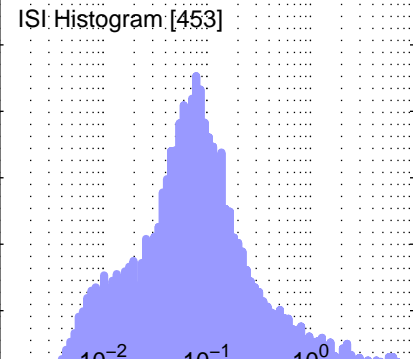
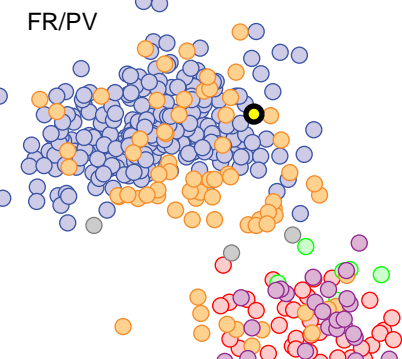
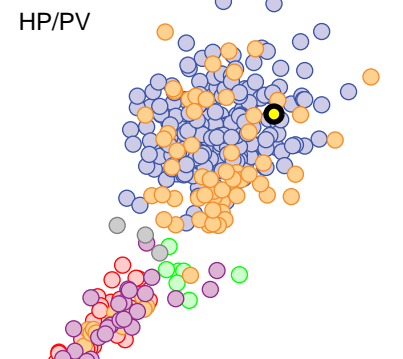
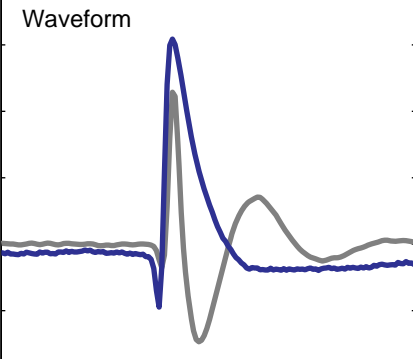


Cell: C0320070625T11a
 AP: -0.96 ML: 3.7 DV: 6.2
 w: 3 n: 729 $P_{ISI>2}$: 0.97
 1/2pw: 307 μ s p->v: 1005 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
 Session FR: 0.262 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 5.36Hz (1.22s) MSN



Cell: C0320070622T09b

AP: 1.6 ML: 3.7 DV: 5.2
w: 3 n: 12278 $P_{ISI>2}$: 0.51
1/2pw: 338 μ s p->v: 925 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 3.1 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 8.62Hz (1.82s) **MSN**



Cell: C1220071022T11a

AP: -2.8 ML: 4.2 DV: 6.6

w: 2 n: 5382 $P_{ISI>2}$: 0.89

1/2pw: 323 μ s p->v: 1131 μ s

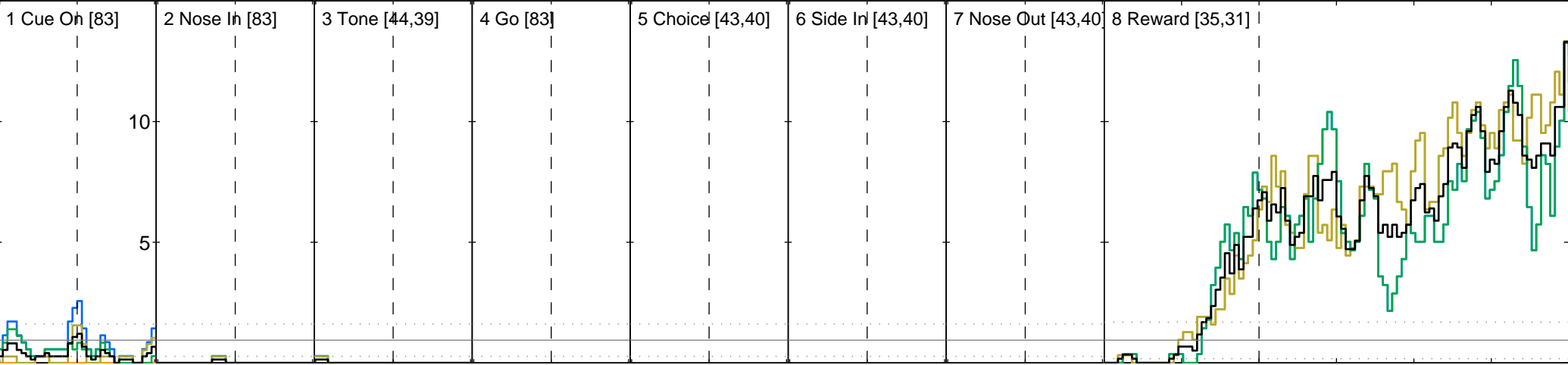
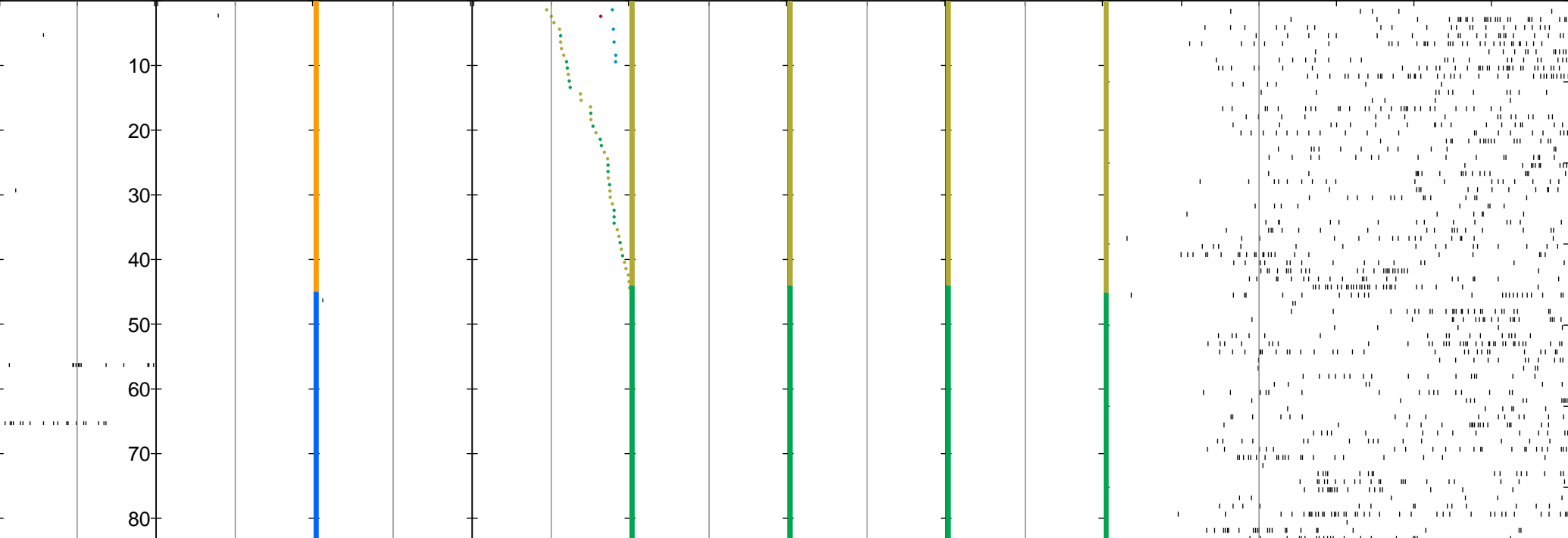
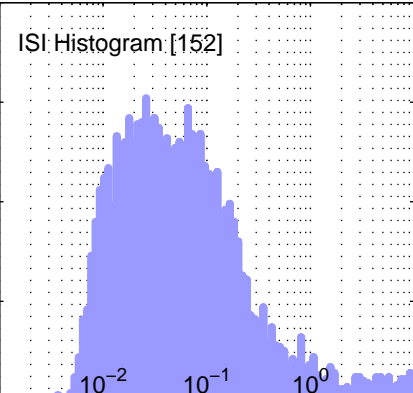
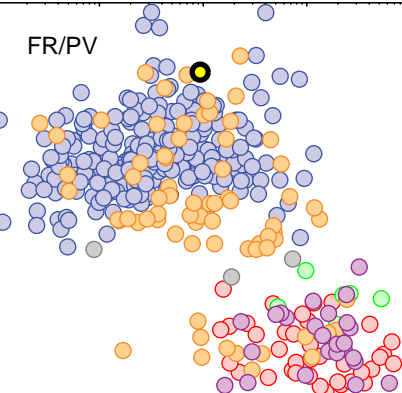
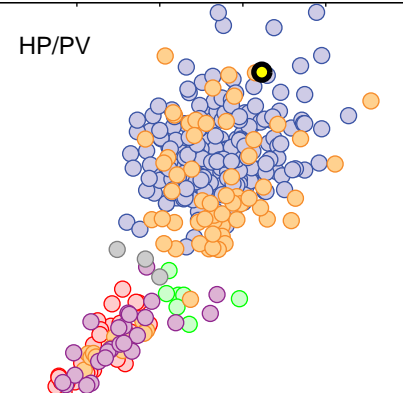
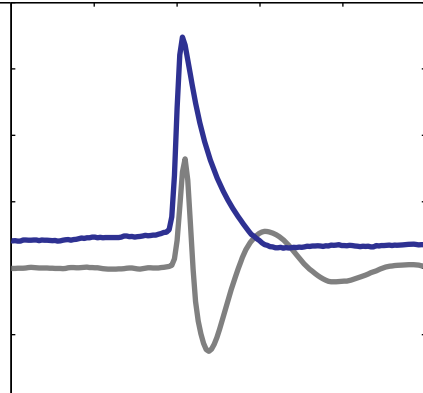
β_T : NaN β_D : NaN

β_P : NaN SI: NaN

Session FR: 0.936 Hz

Pk Ev: 8 - Reward (T1/Con)

Pk FR: 13.3Hz (1.97s) MSN



Cell: C0320070611T07b

AP: 0.96 ML: 3.6 DV: 5.1

w: 2 n: 300 $P_{ISI>2}$: 0.99

1/2pw: 266 μ s p->v: 669 μ s

β_T : NaN β_D : NaN

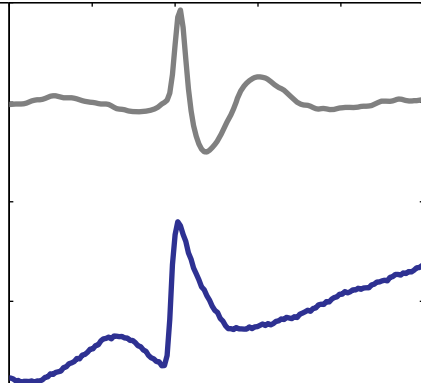
β_P : NaN SI: NaN

Session FR: 0.04 Hz

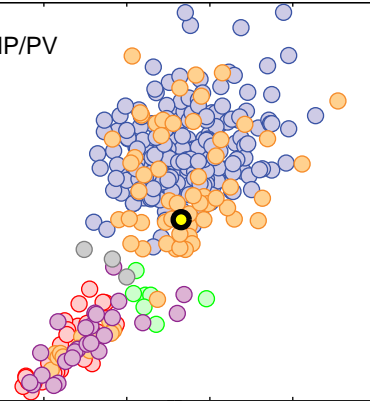
Pk Ev: None

Pk FR: --

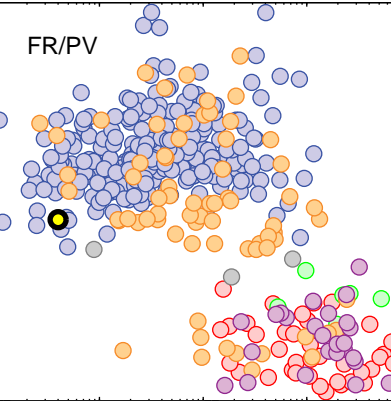
MSN



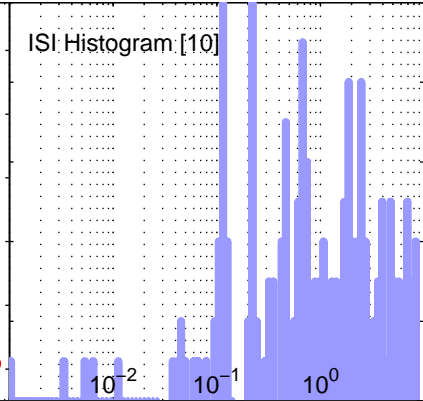
HP/PV



FR/PV



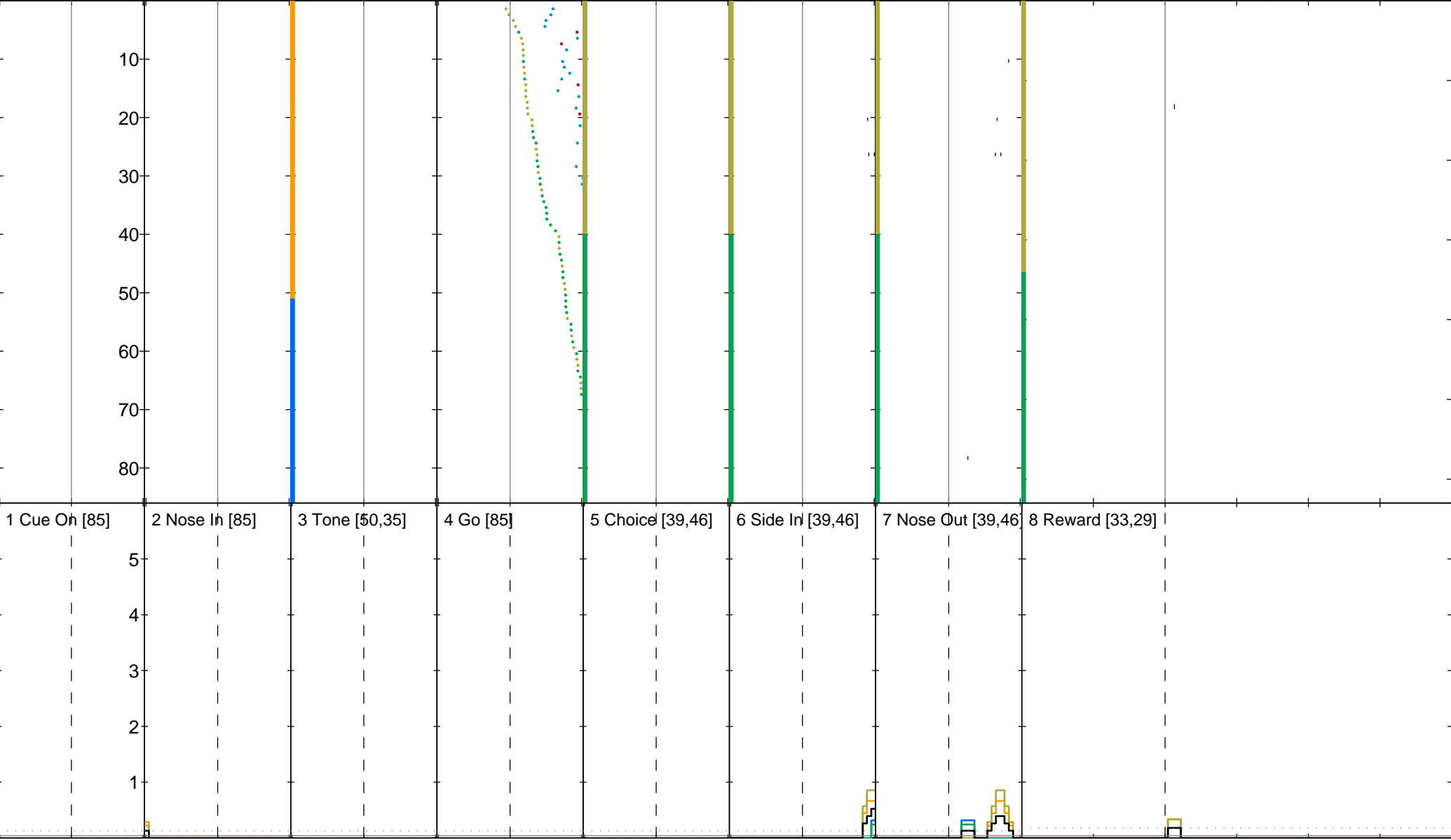
ISI Histogram [10]



10
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30
40
50
60
70
80

1 Cue On [85] 2 Nose In [85] 3 Tone [50,35] 4 Go [85] 5 Choice [39,46] 6 Side In [39,46] 7 Nose Out [39,46] 8 Reward [33,29]

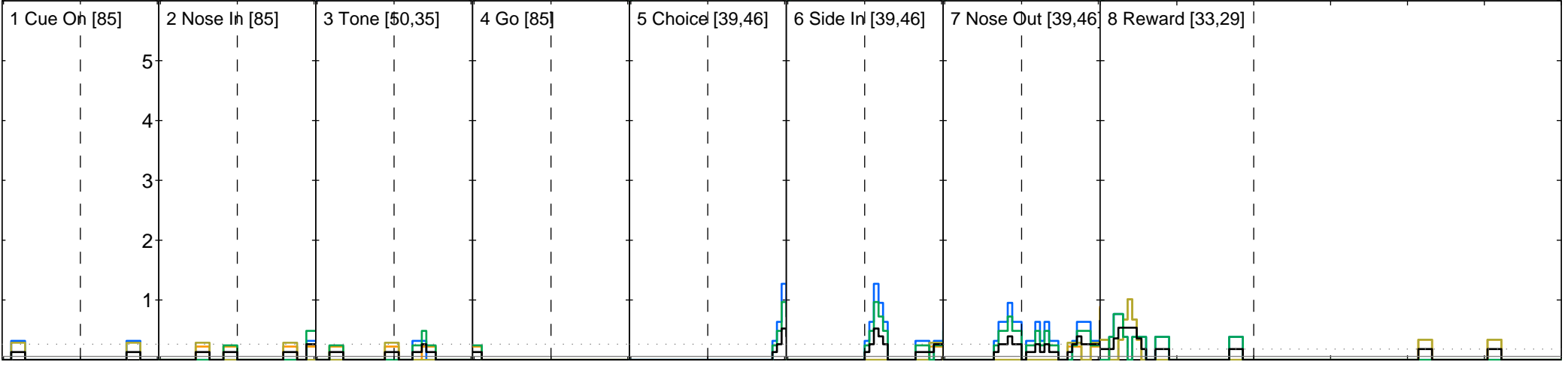
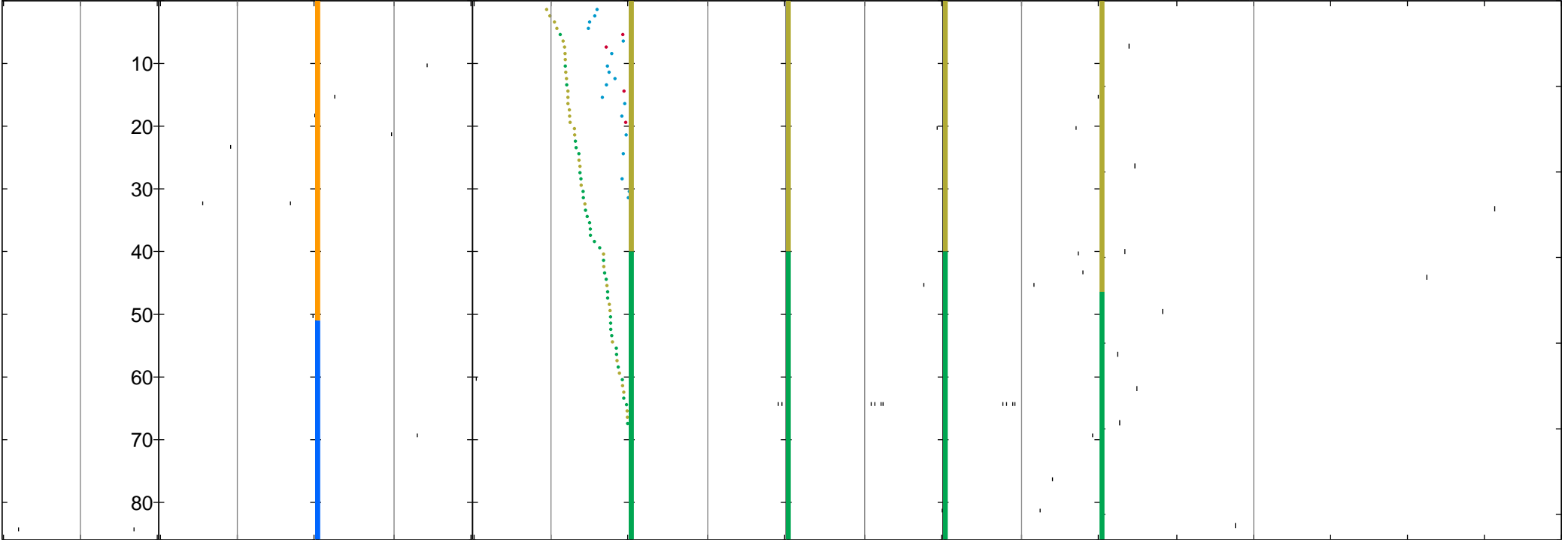
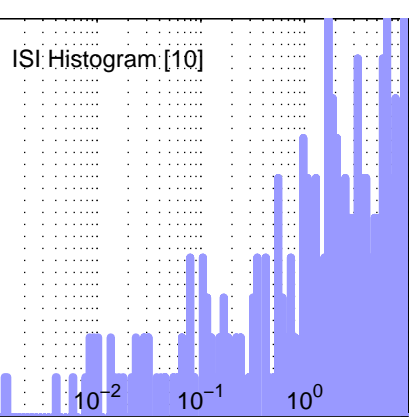
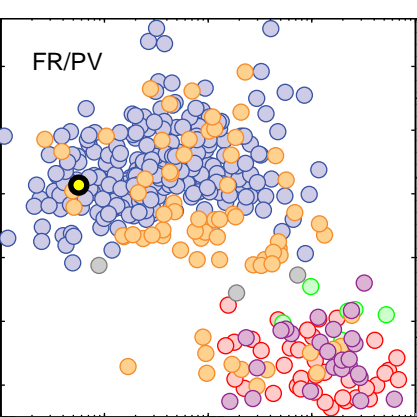
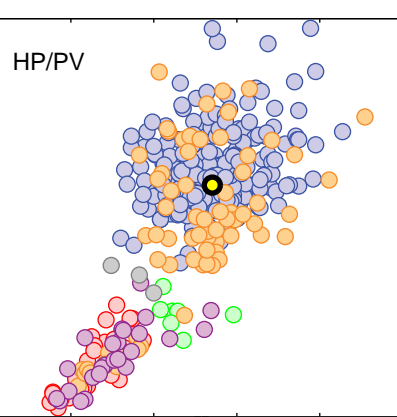
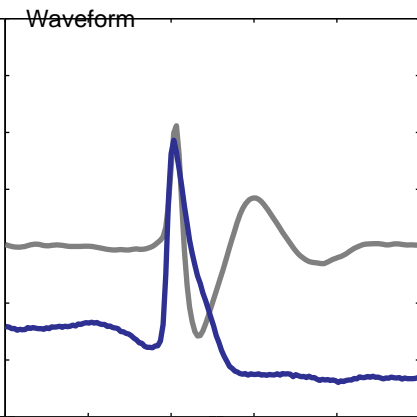
5
4
3
2
1



Cell: C0320070611T07d

AP: 0.96 ML: 3.6 DV: 5.1
w: 3 n: 426 $P_{ISI>2}$: 0.99
1/2pw: 270 μ s p->v: 827 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0568 Hz
Pk Ev: None
Pk FR: --

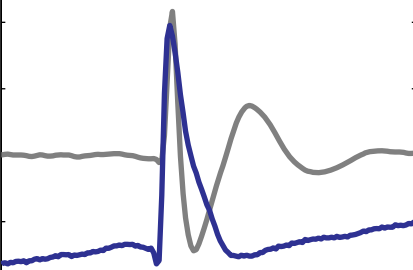
MSN



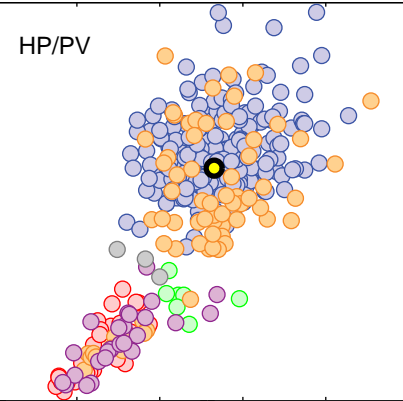
Cell: C0320070611T07e

AP: 0.96 ML: 3.6 DV: 5.1
w: 3 n: 549 $P_{ISI>2}$: 0.99
1/2pw: 266 μ s p->v: 830 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0736 Hz
Pk Ev: None
Pk FR: --

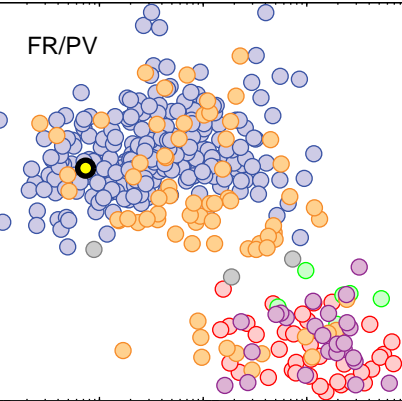
Waveform



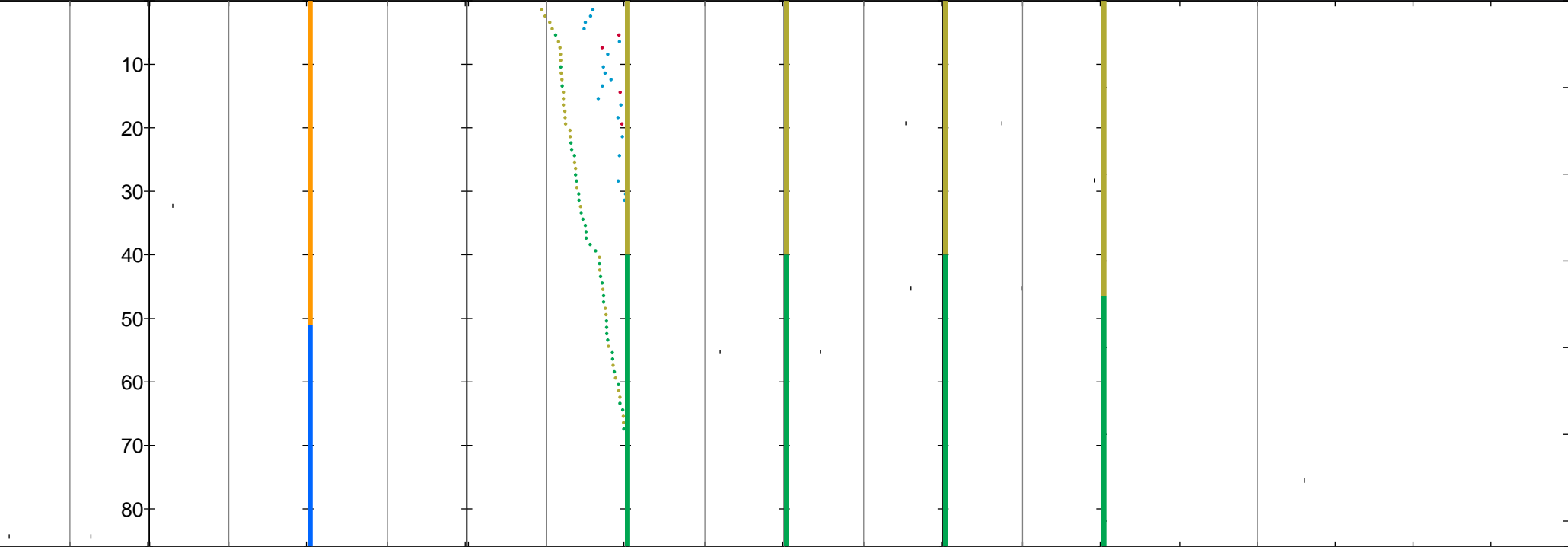
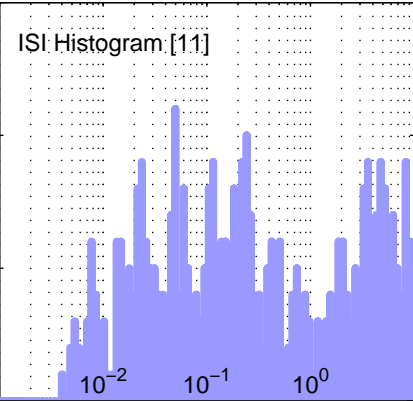
HP/PV



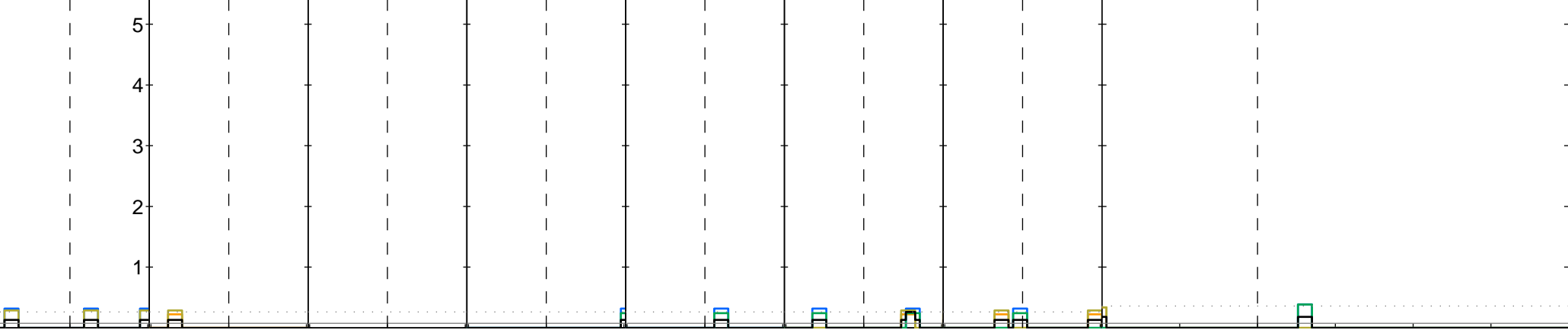
FR/PV



ISI Histogram [11]



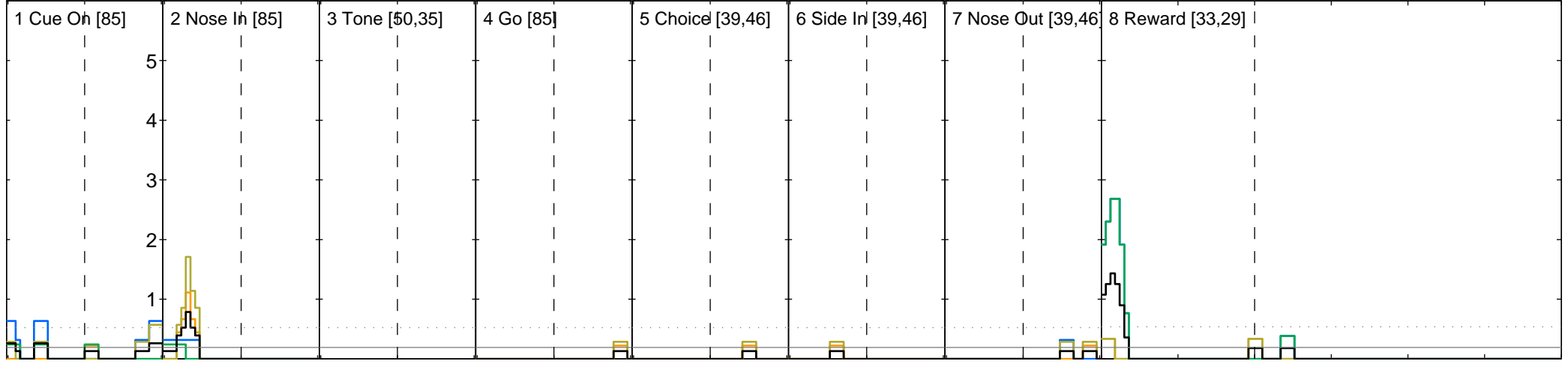
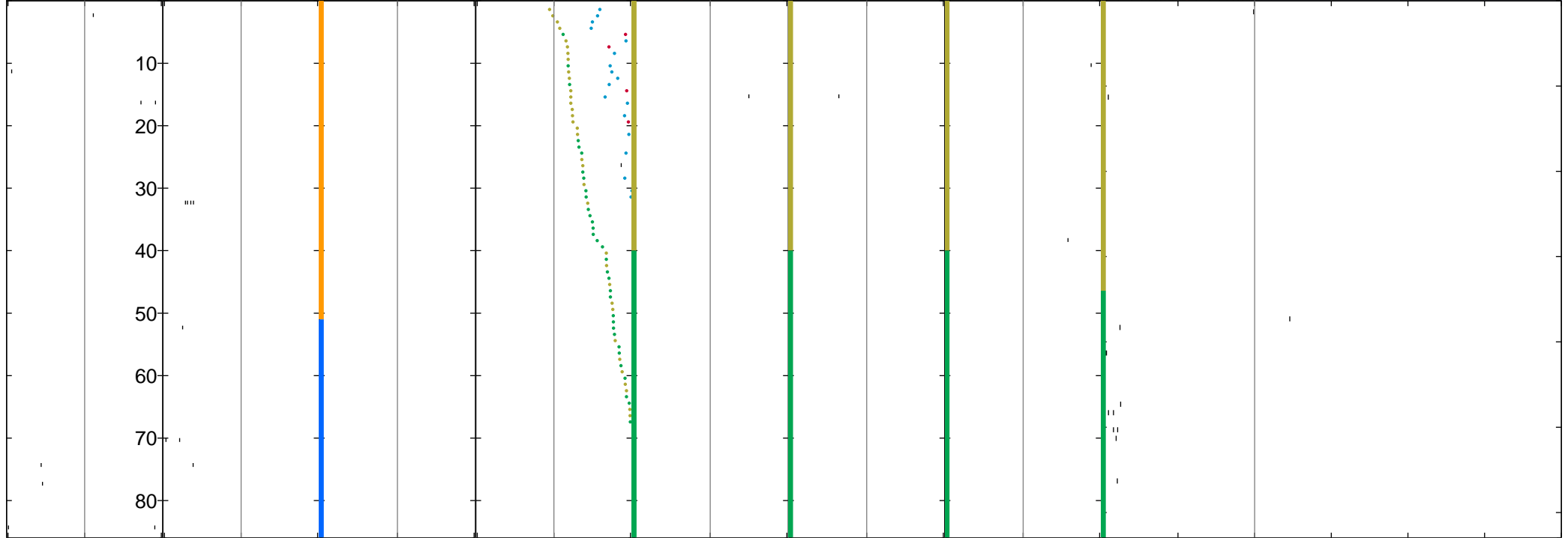
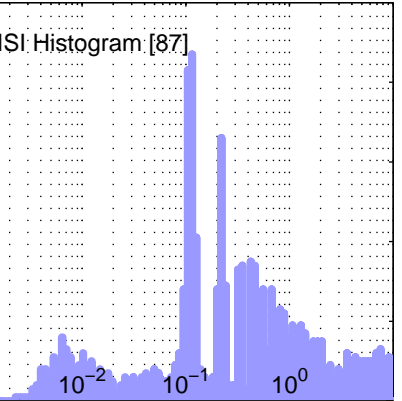
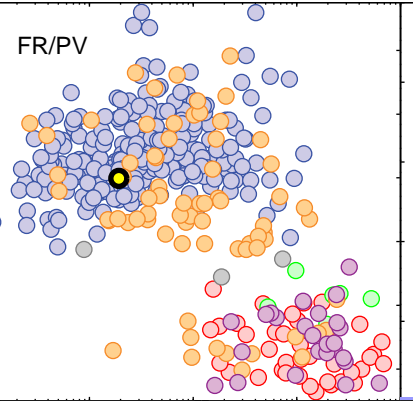
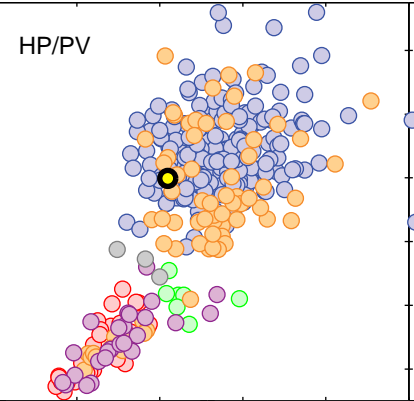
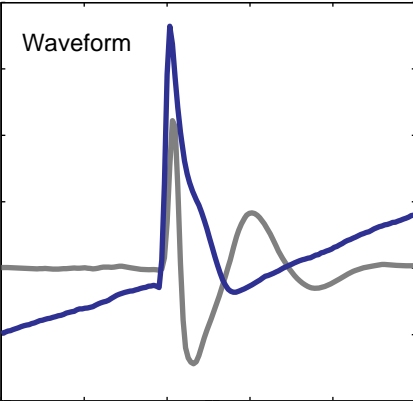
1 Cue On [85] 2 Nose In [85] 3 Tone [50,35] 4 Go [85] 5 Choice [39,46] 6 Side In [39,46] 7 Nose Out [39,46] 8 Reward [33,29]



Cell: C0320070611T07g

AP: 0.96 ML: 3.6 DV: 5.1
w: 4 n: 1431 $P_{ISI>2}$: 0.95
1/2pw: 210 μ s p->v: 798 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.191 Hz
Pk Ev: None
Pk FR: --

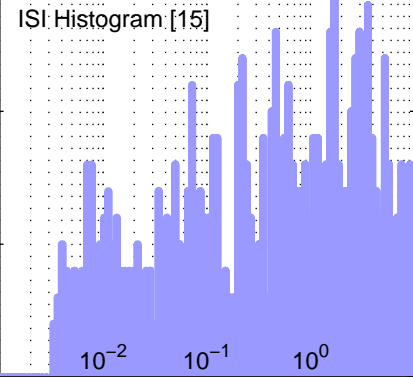
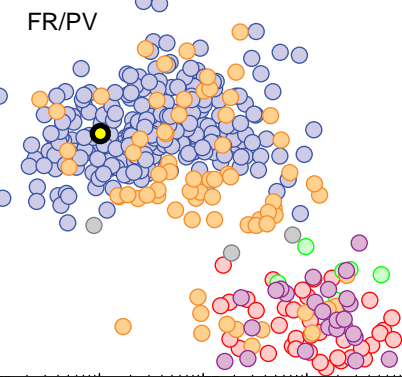
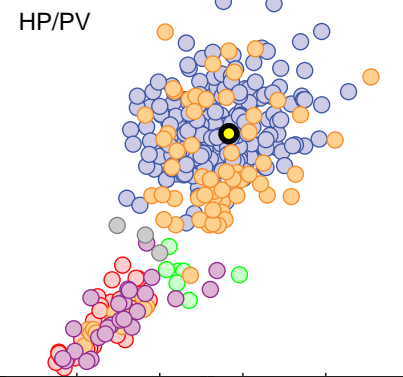
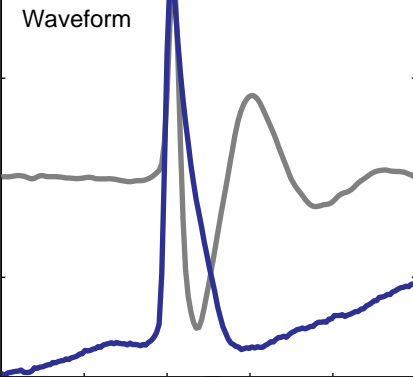
MSN



Cell: C0320070611T07h

AP: 0.96 ML: 3.6 DV: 5.1
w: 4 n: 763 $P_{ISI>2}$: 0.98
1/2pw: 283 μ s p->v: 864 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.102 Hz
Pk Ev: None
Pk FR: --

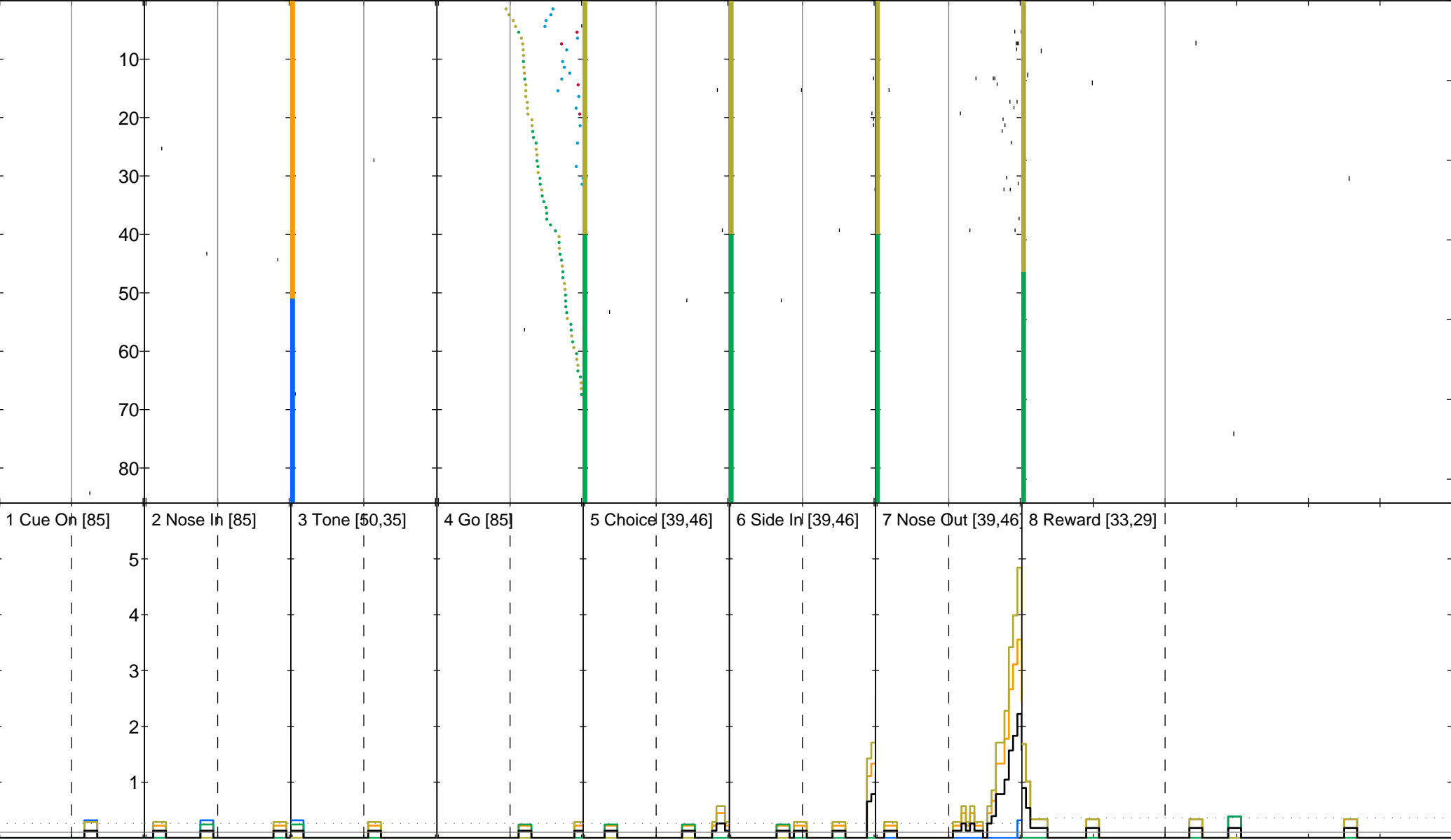
MSN



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1 Cue On [85] 2 Nose In [85] 3 Tone [50,35] 4 Go [85] 5 Choice [39,46] 6 Side In [39,46] 7 Nose Out [39,46] 8 Reward [33,29]

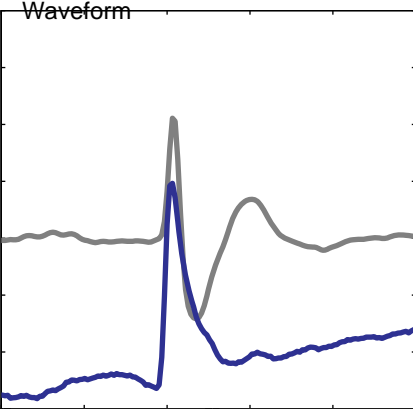
5
4
3
2
1



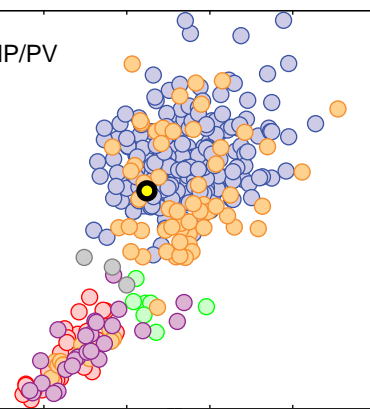
Cell: C0320070611T07i

AP: 0.96 ML: 3.6 DV: 5.1
w: 4 n: 179 $P_{ISI>2}$: 1
1/2pw: 224 μ s p->v: 784 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.024 Hz
Pk Ev: None
Pk FR: --

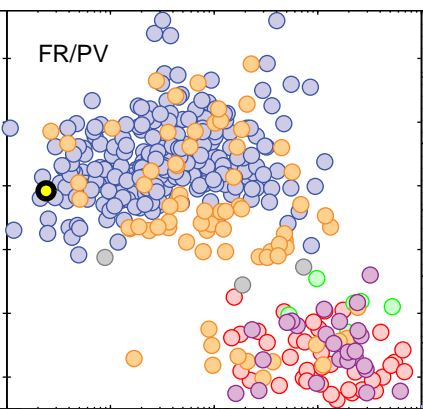
MSN



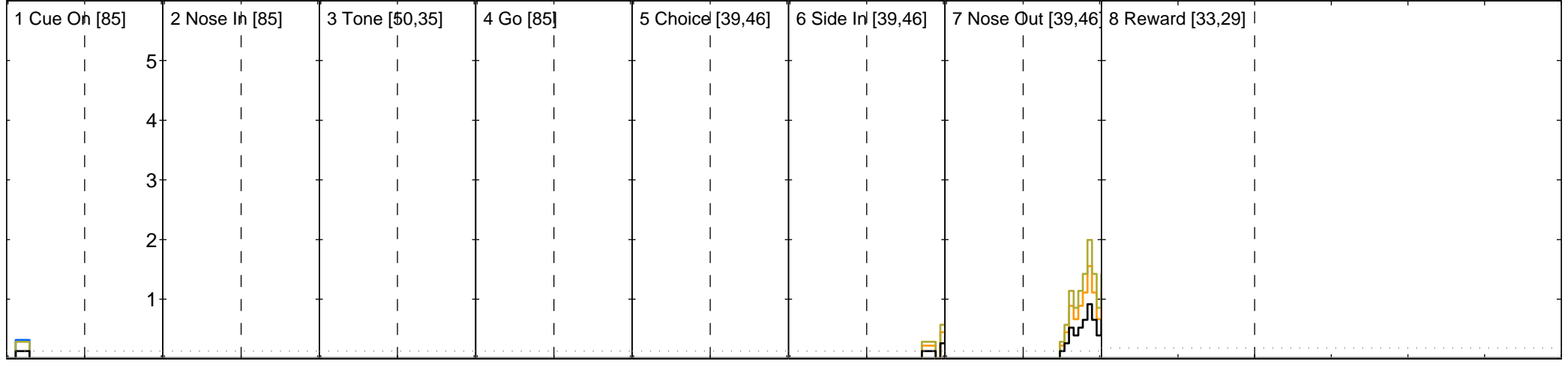
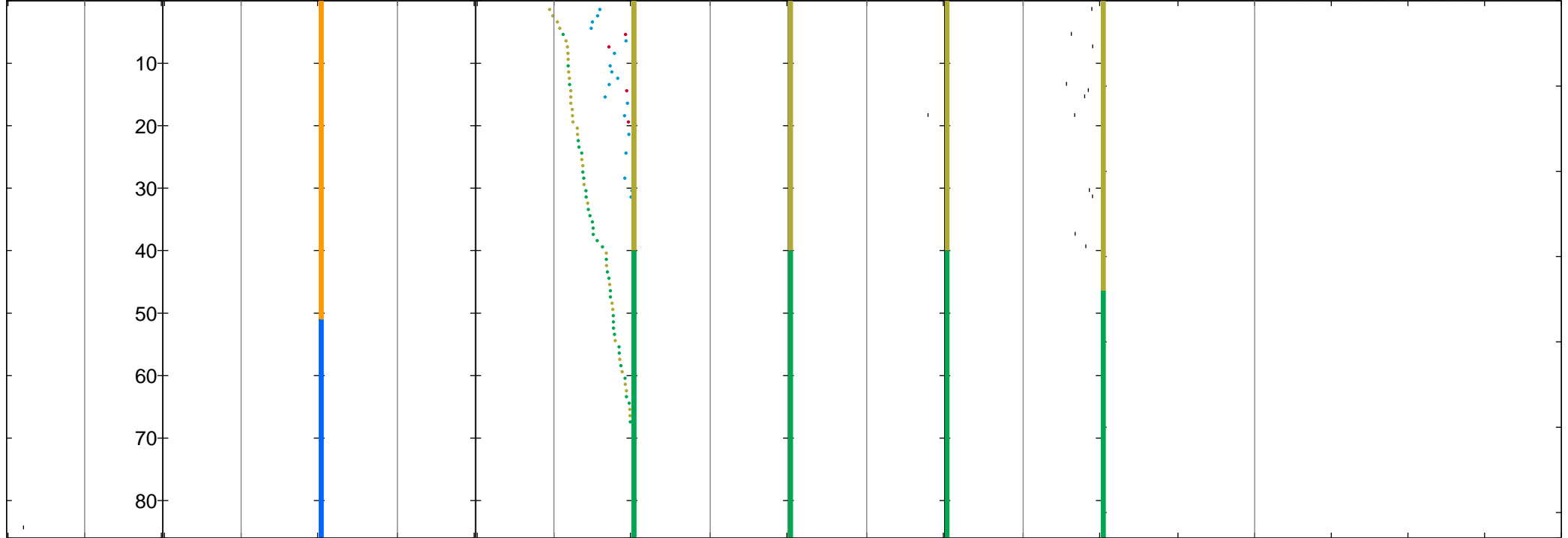
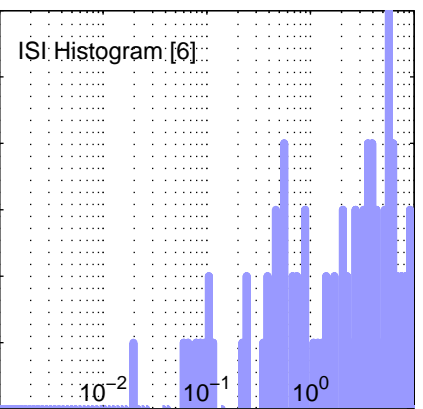
HP/PV



FR/PV



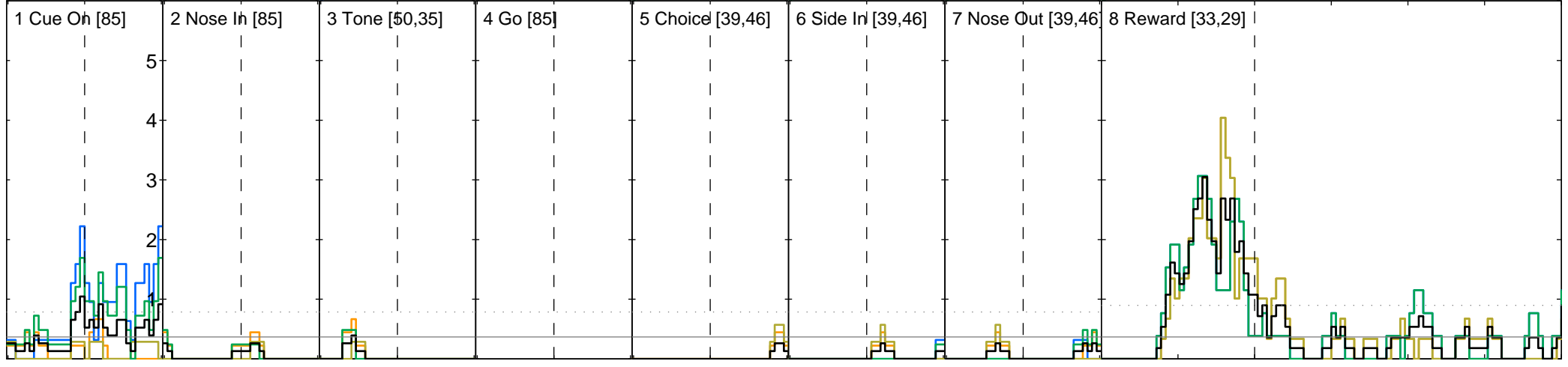
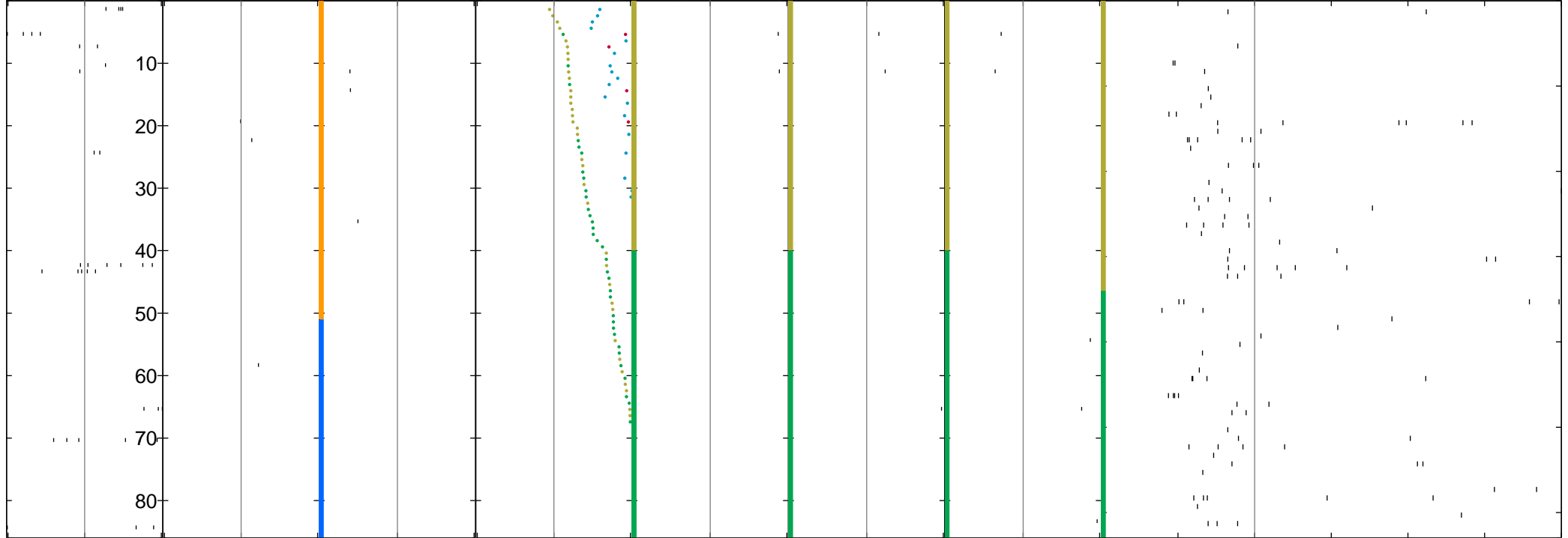
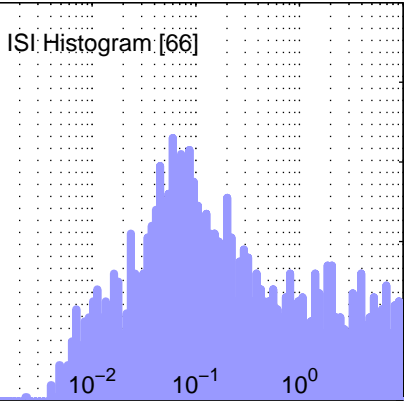
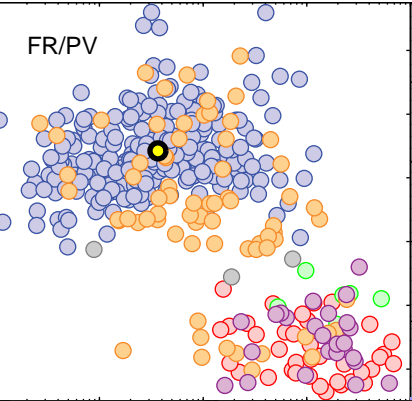
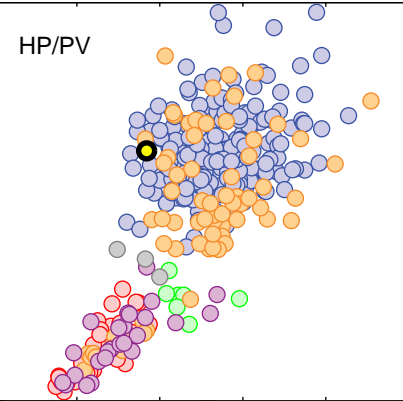
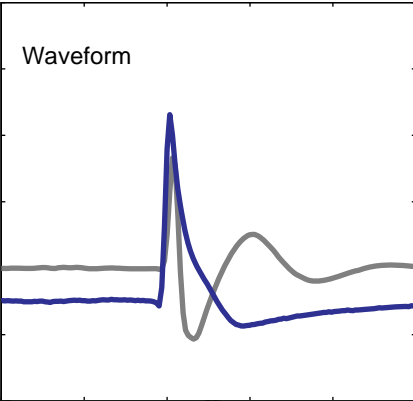
ISI Histogram [6]



Cell: C0320070611T09b

AP: 1.6 ML: 3.7 DV: 4.7
w: 2 n: 2747 $P_{ISI>2}$: 0.92
1/2pw: 184 μ s p->v: 885 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.367 Hz
Pk Ev: None
Pk FR: --

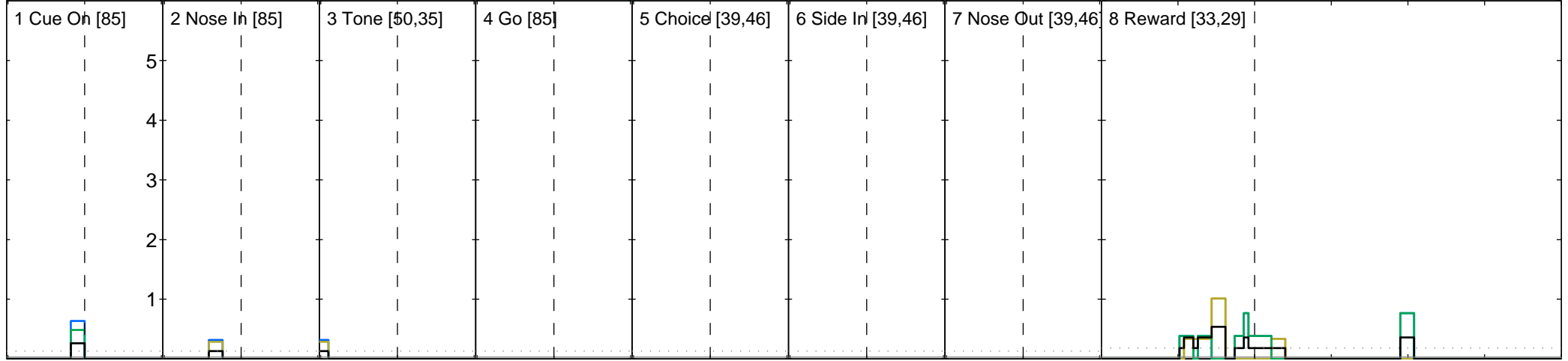
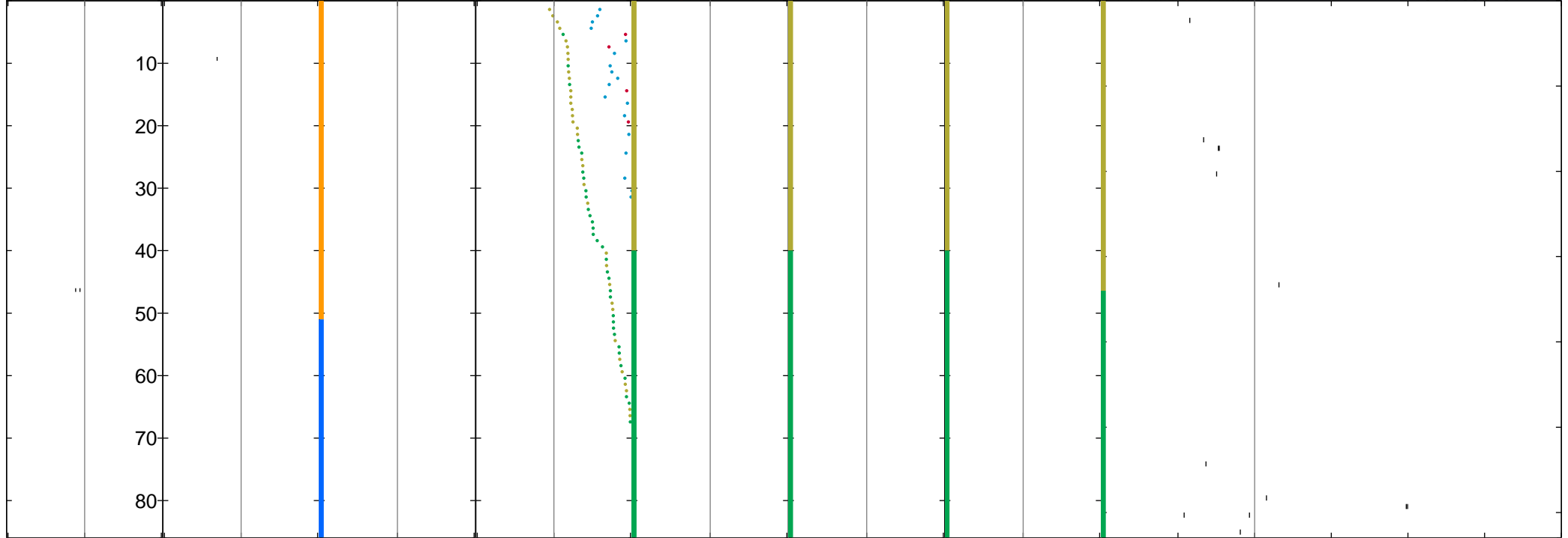
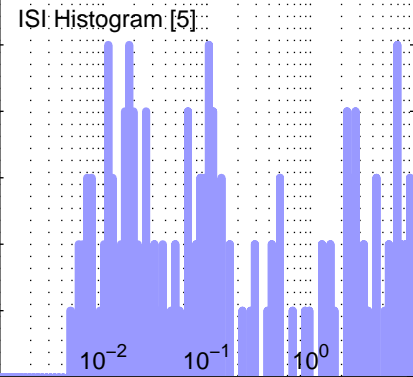
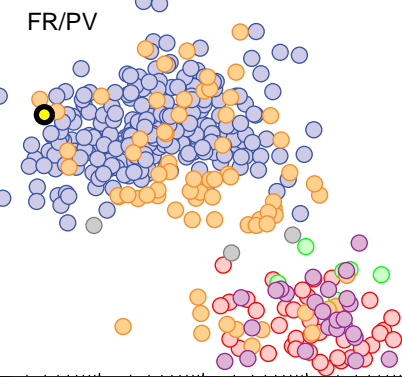
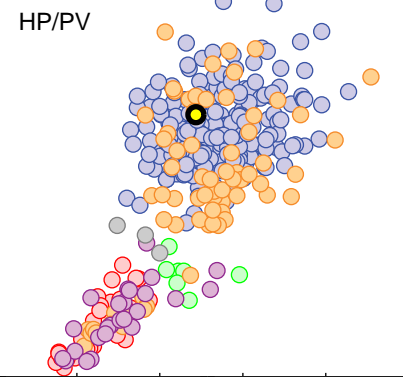
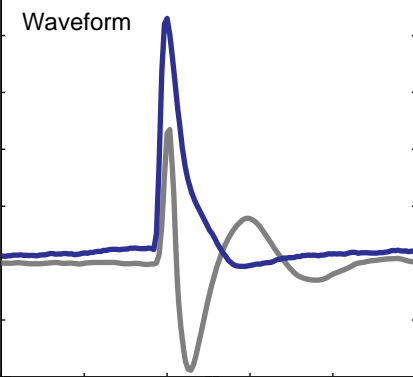
MSN



Cell: C0320070611T11a

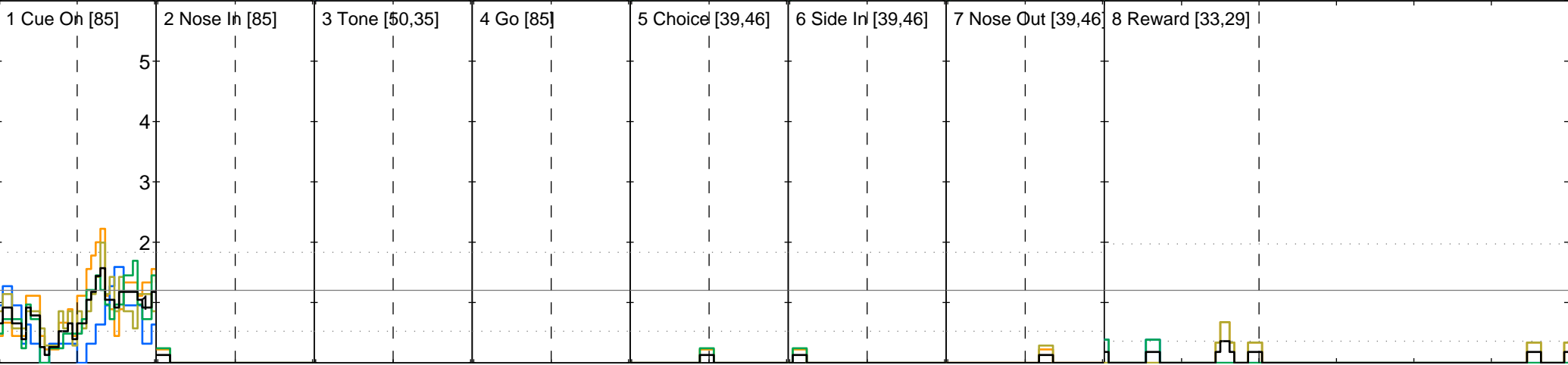
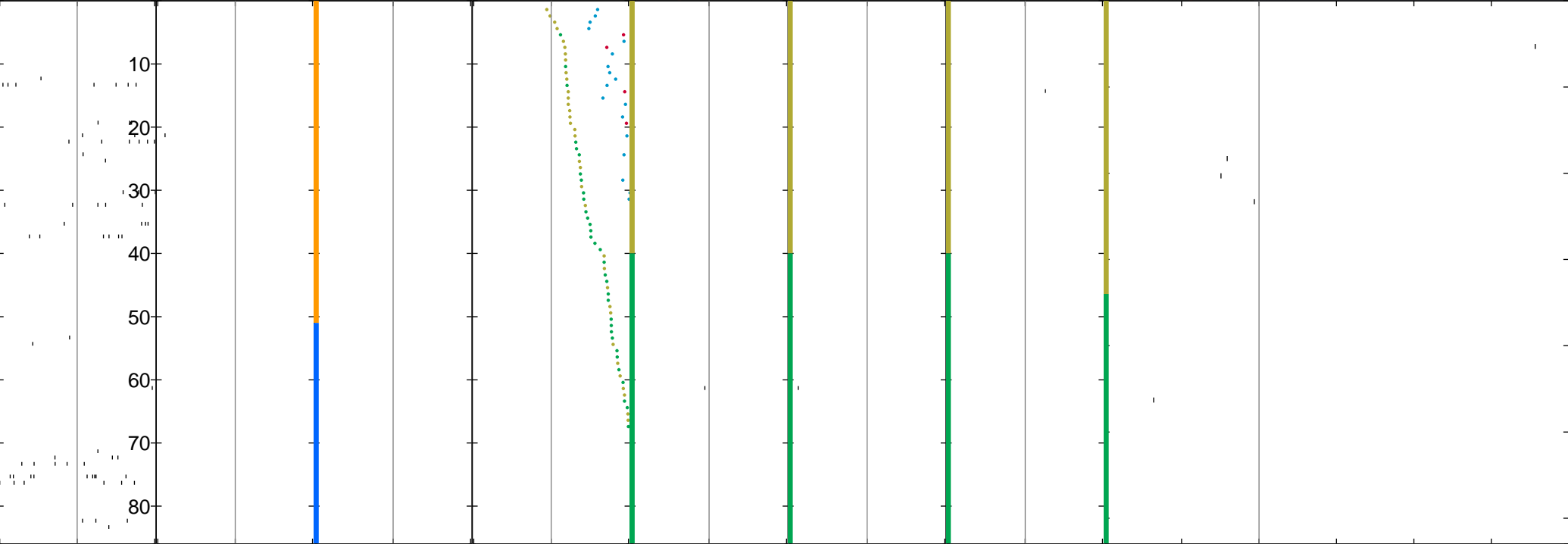
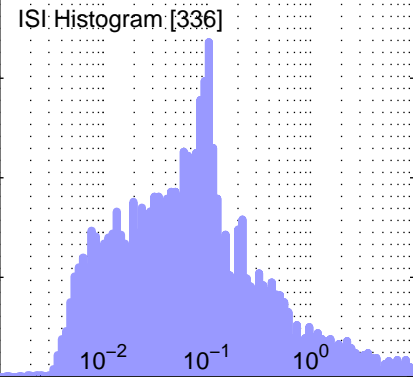
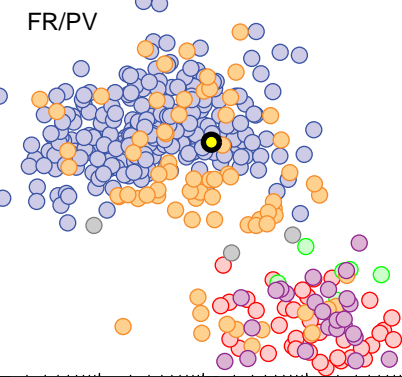
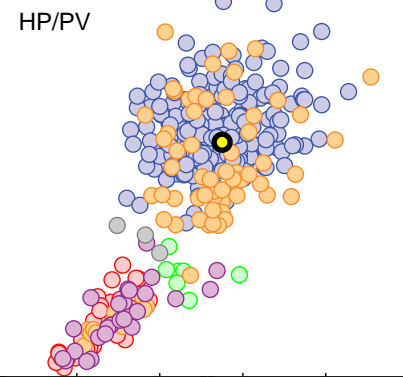
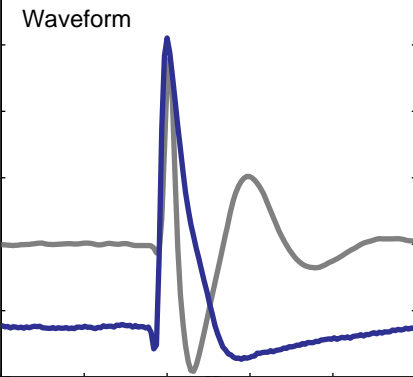
AP: -0.96 ML: 3.7 DV: 5
w: 2 n: 219 $P_{ISI>2}$: 1
1/2pw: 243 μ s p->v: 923 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0294 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0320070611T11b

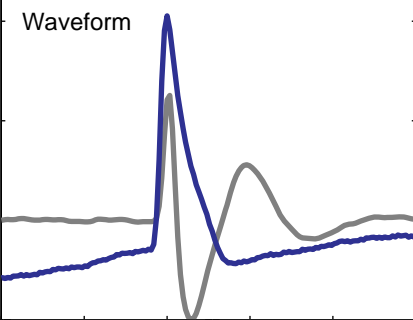
AP: -0.96 ML: 3.7 DV: 5
w: 4 n: 8979 $P_{ISI>2}$: 0.81
1/2pw: 275 μ s p->v: 837 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 1.2 Hz
Pk Ev: None
Pk FR: --



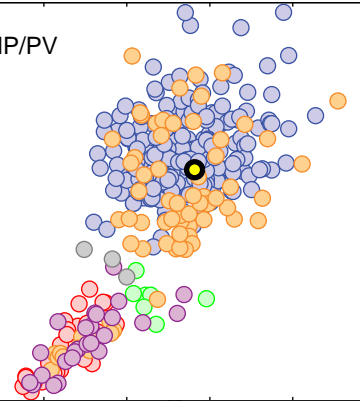
Cell: C0320070611T11c

AP: -0.96 ML: 3.7 DV: 5
w: 4 n: 351 $P_{ISI>2}$: 0.99
1/2pw: 282 μ s p->v: 826 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0477 Hz
Pk Ev: None
Pk FR: --

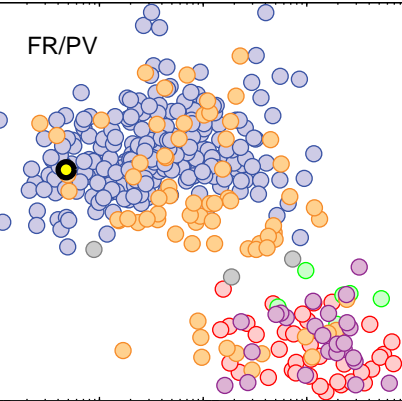
MSN



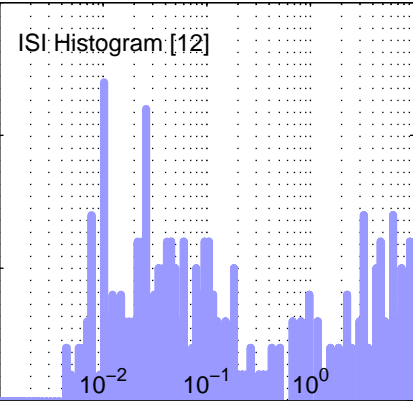
HP/PV



FR/PV



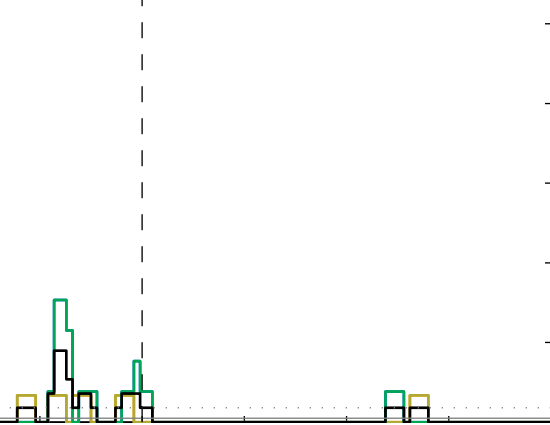
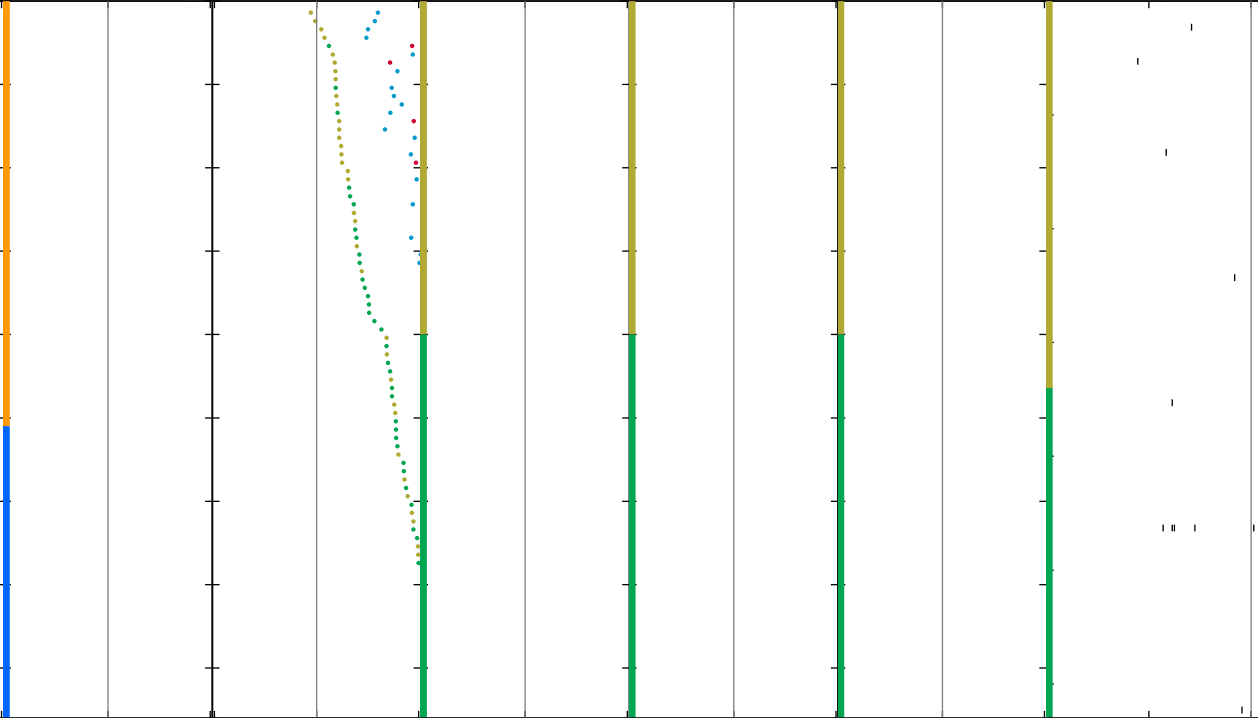
ISI Histogram [12]



10
20
30
40
50
60
70
80

1 Cue On [85] 2 Nose In [85] 3 Tone [50,35] 4 Go [85] 5 Choice [39,46] 6 Side In [39,46] 7 Nose Out [39,46] 8 Reward [33,29]

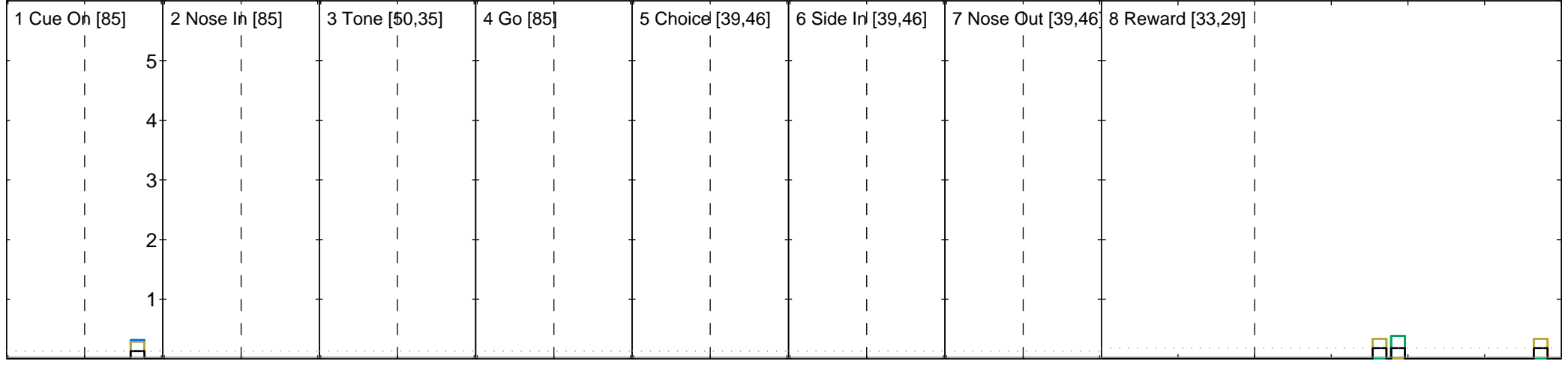
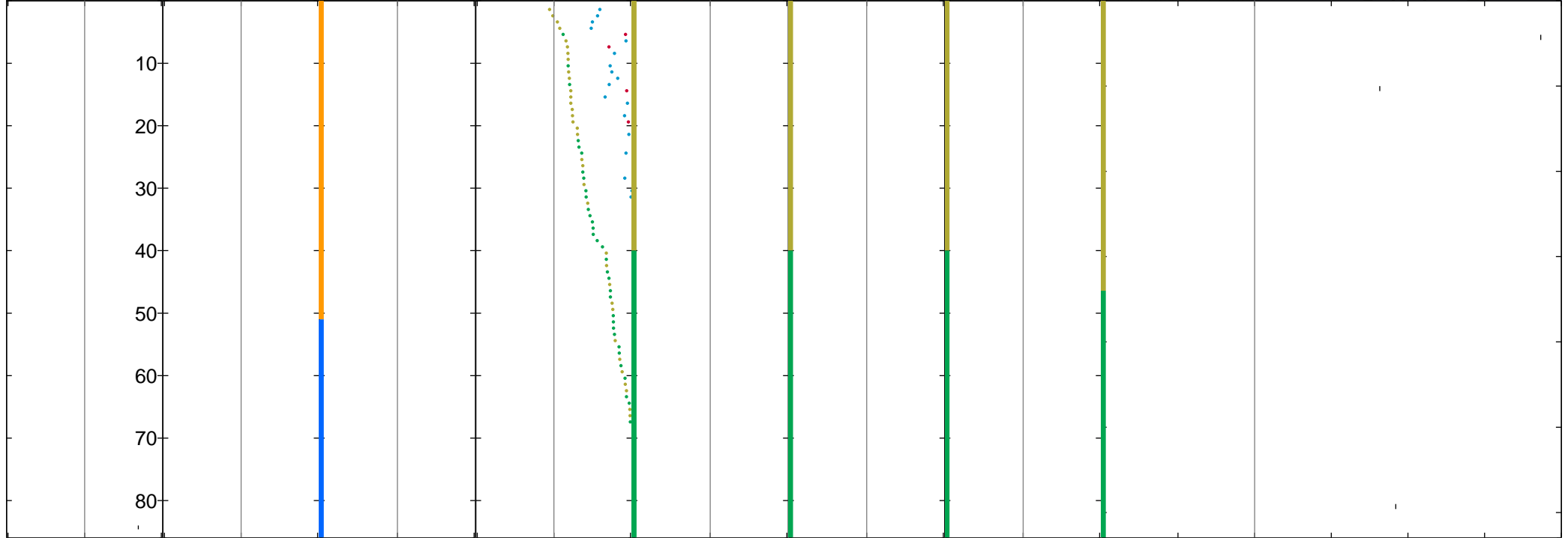
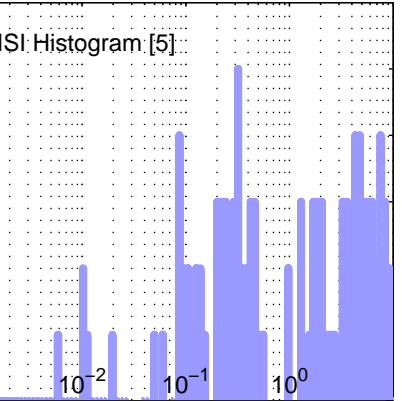
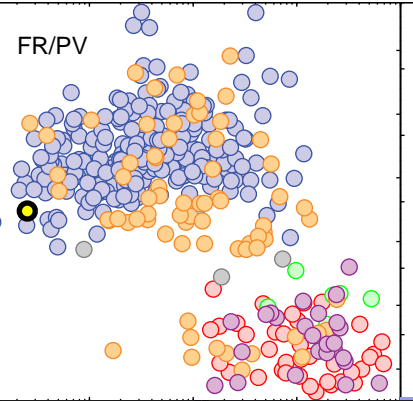
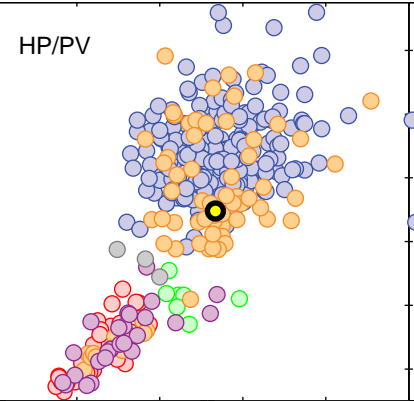
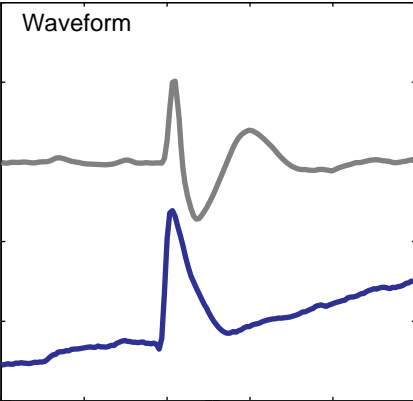
5
4
3
2
1



Cell: C0320070611T11e

AP: -0.96 ML: 3.7 DV: 5
w: 4 n: 186 $P_{ISI>2}$: 1
1/2pw: 267 μ s p->v: 696 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0252 Hz
Pk Ev: None
Pk FR: --

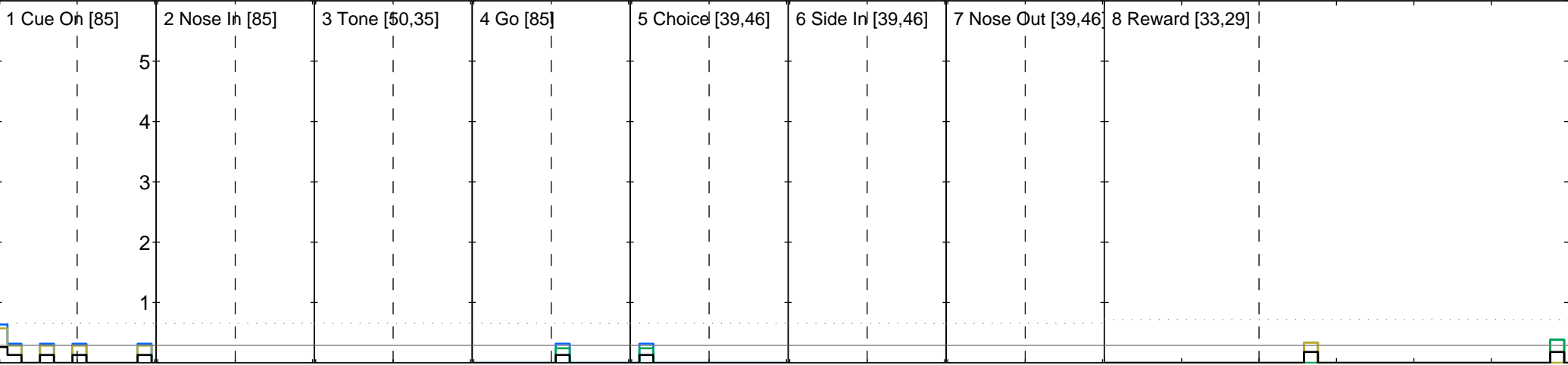
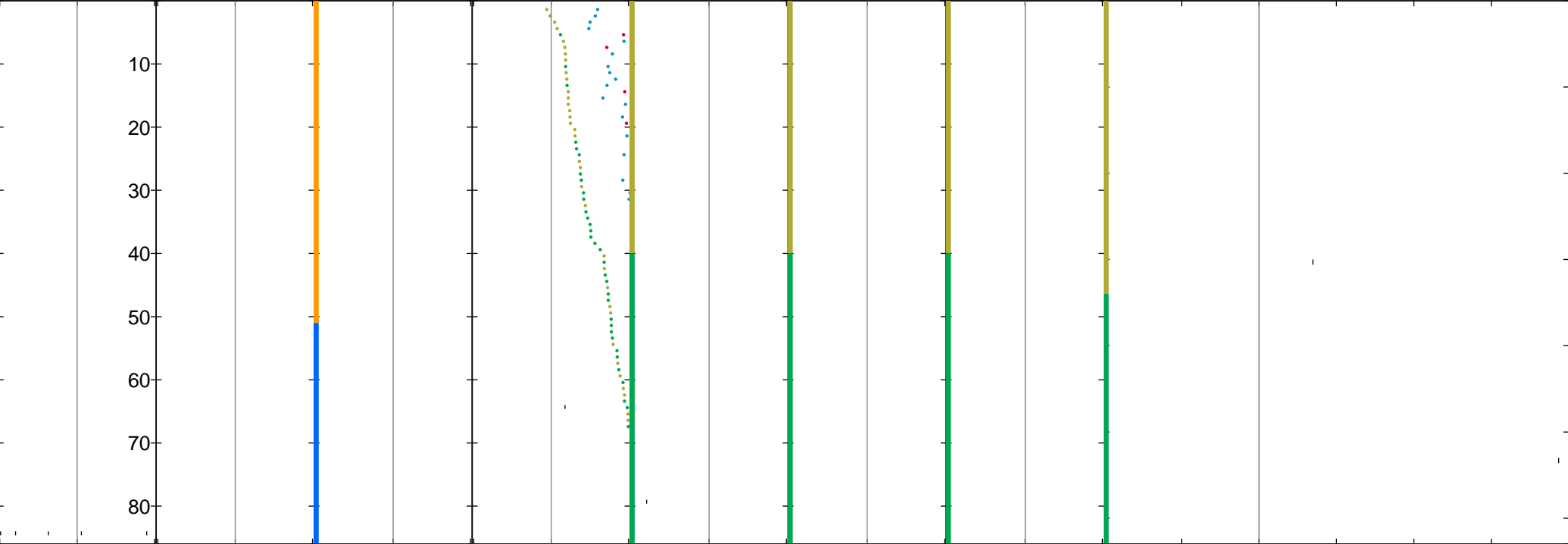
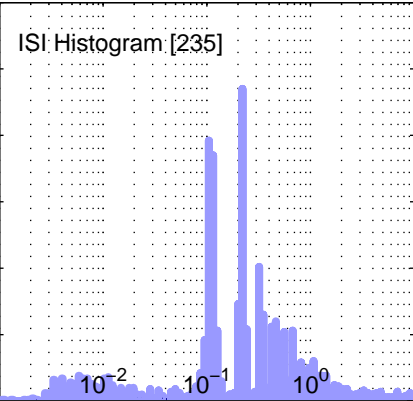
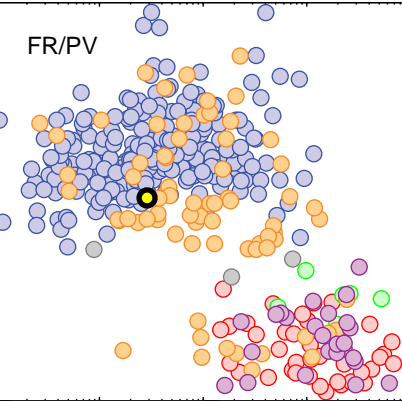
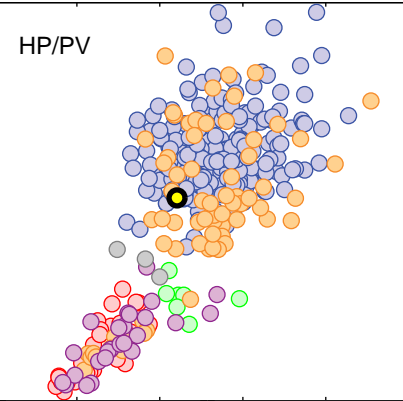
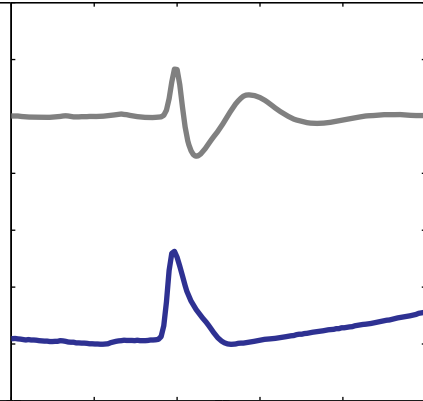
MSN



Cell: C0320070611T15b

AP: -2.3 ML: 4.6 DV: 6
w: 3 n: 2137 $P_{ISI>2}$: 0.92
1/2pw: 221 μ s p->v: 738 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.289 Hz
Pk Ev: None
Pk FR: --

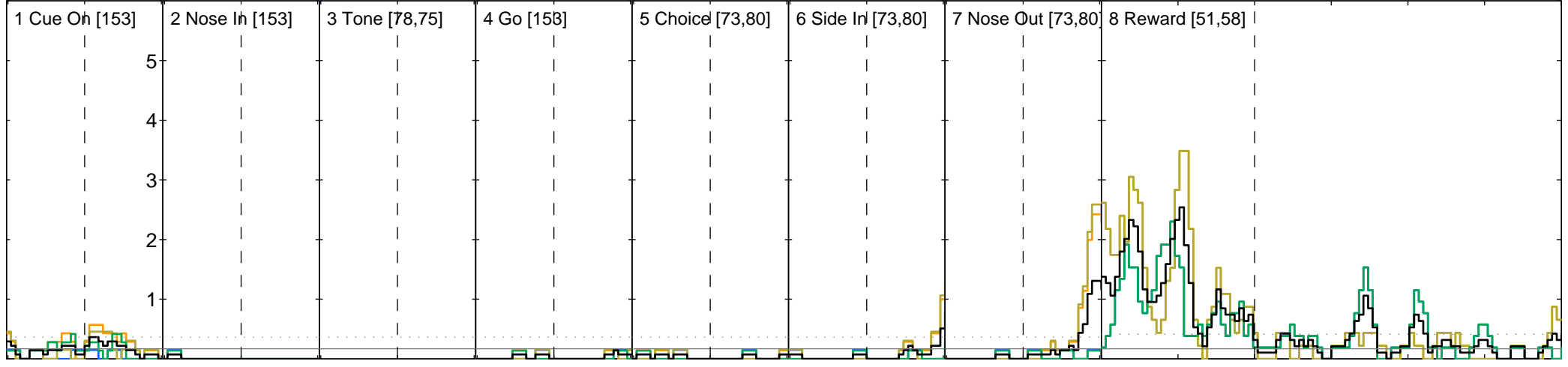
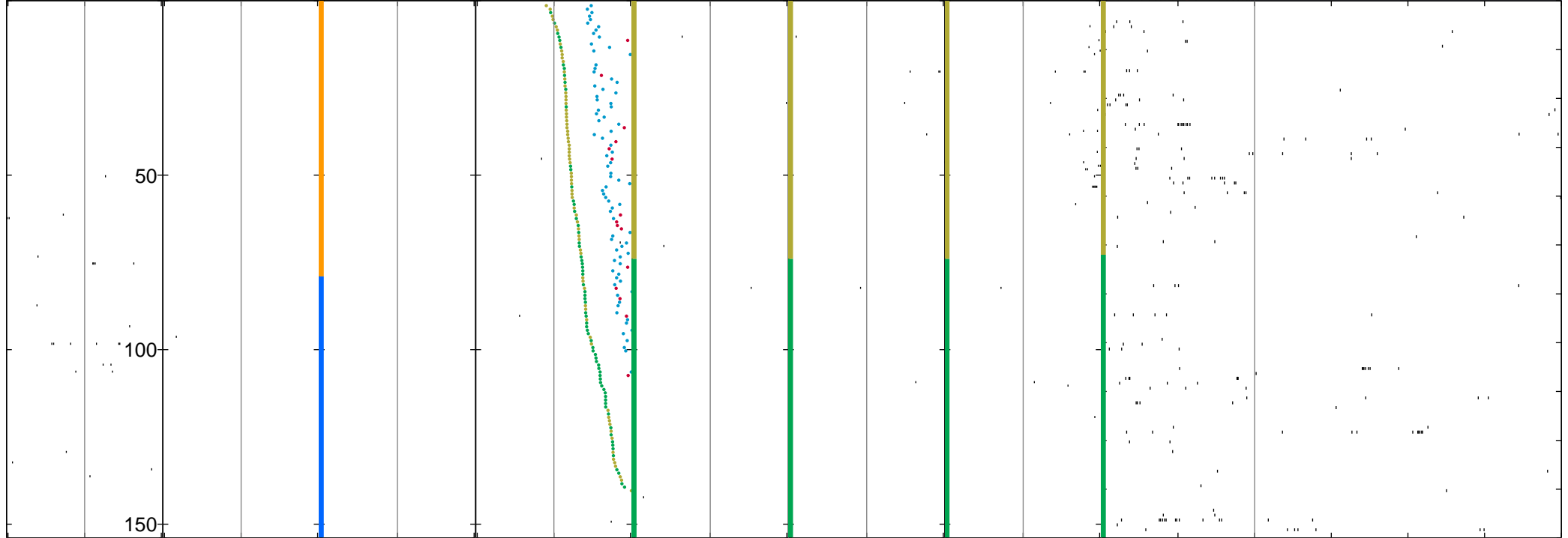
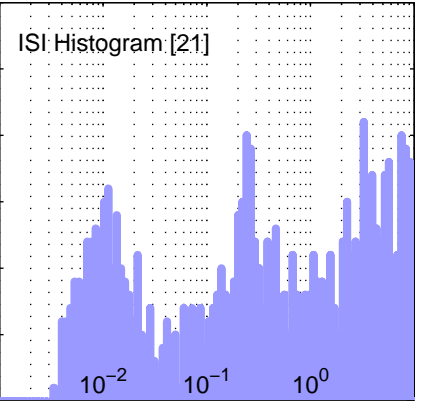
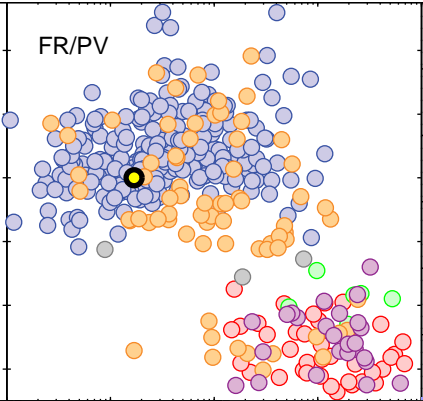
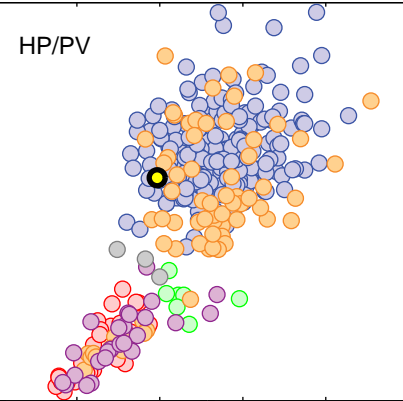
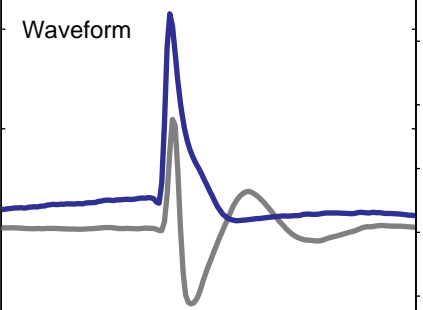
MSN



Cell: C0320070613T06a

AP: 1.7 ML: 1.3 DV: 6.2
w: 4 n: 982 $P_{ISI>2}$: 0.97
1/2pw: 197 μ s p->v: 800 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.169 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0320070613T07b

AP: 0.96 ML: 3.6 DV: 5.3

w: 4 n: 86 $P_{ISI>2}$: 1

1/2pw: 218 μ s p->v: 827 μ s

β_T : NaN β_D : NaN

β_P : NaN SI: NaN

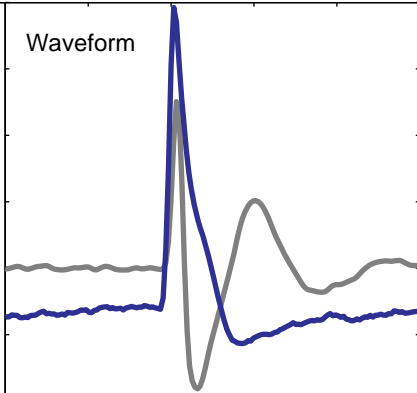
Session FR: 0.0221 Hz

Pk Ev: None

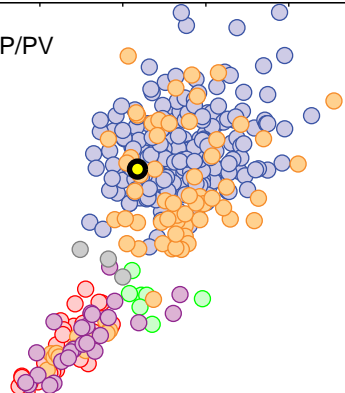
Pk FR: --

MSN

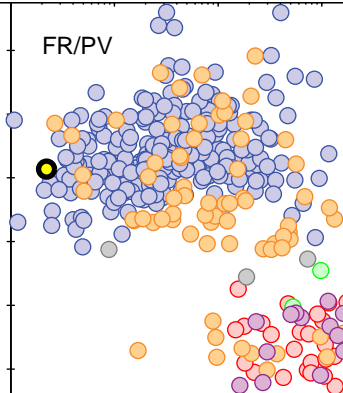
Waveform



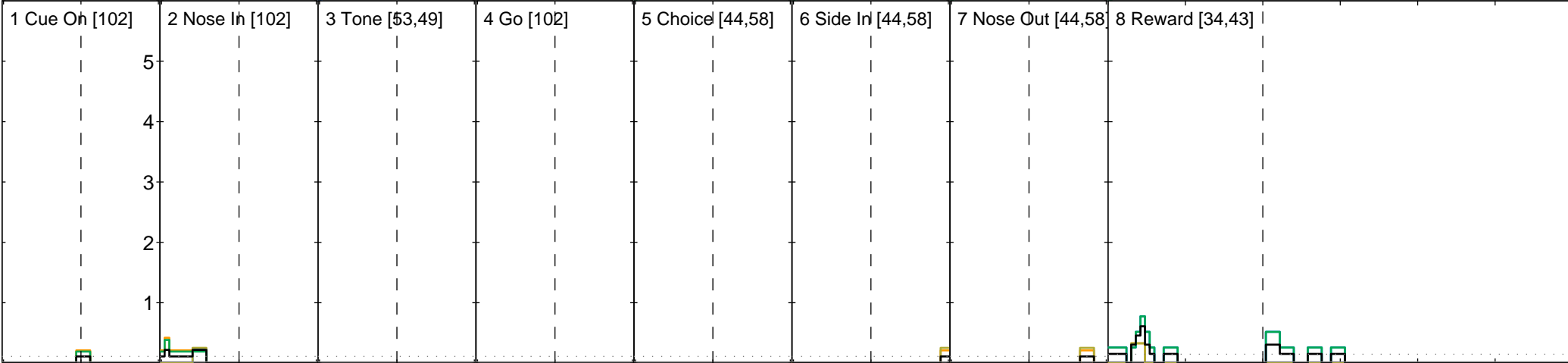
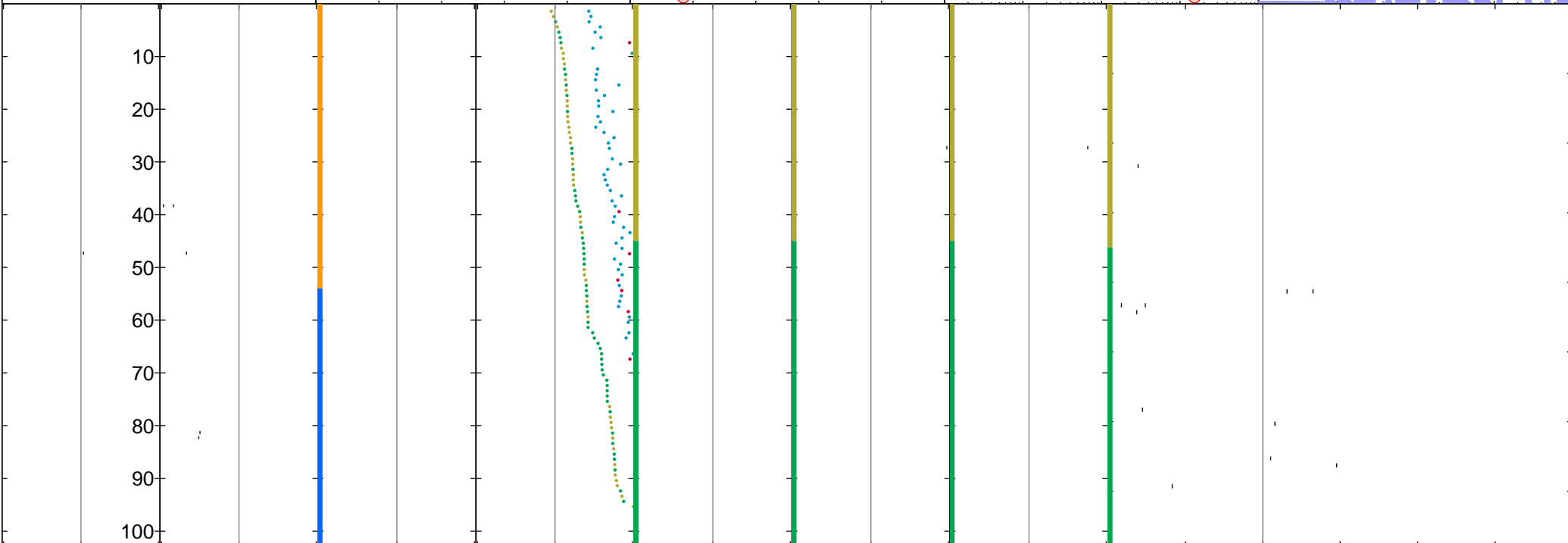
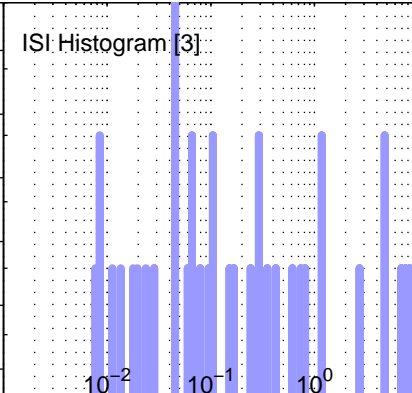
HP/PV



FR/PV



ISI Histogram [3]



Cell: C0320070613T07d

AP: 0.96 ML: 3.6 DV: 5.3

w: 3 n: 1219 $P_{ISI>2}$: 0.941/2pw: 214 μ s p->v: 800 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

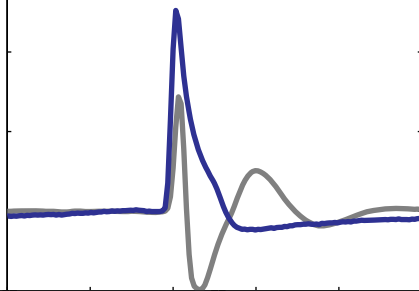
Session FR: 0.315 Hz

Pk Ev: None

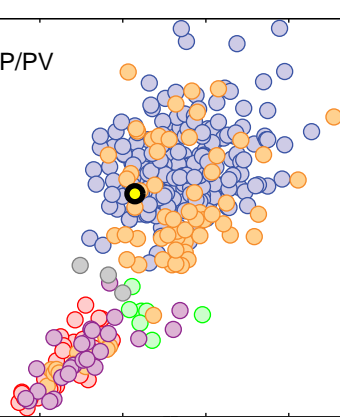
Pk FR: --

MSN

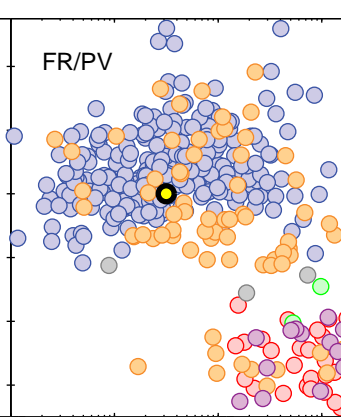
Waveform



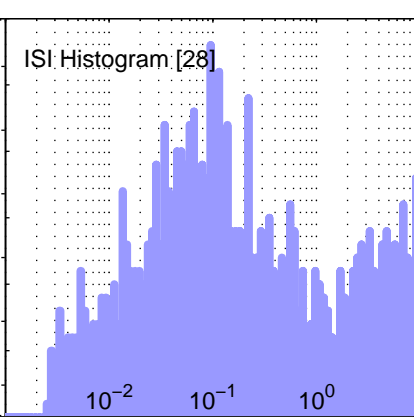
HP/PV



FR/PV



ISI Histogram [28]

10
20
30
40
50
60
70
80
90
100

1 Cue On [102]

2 Nose In [102]

3 Tone [53,49]

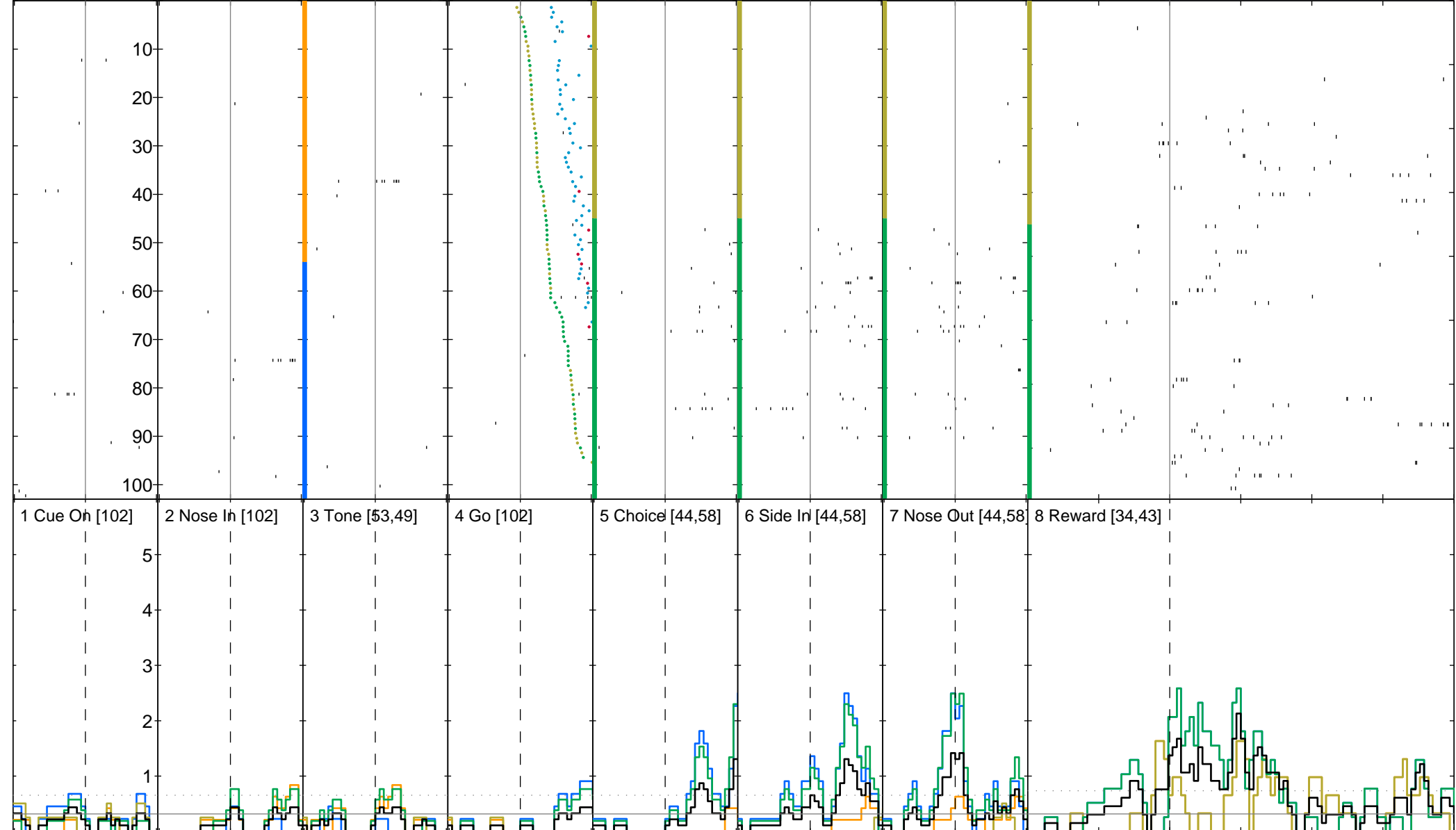
4 Go [102]

5 Choice [44,58]

6 Side In [44,58]

7 Nose Out [44,58]

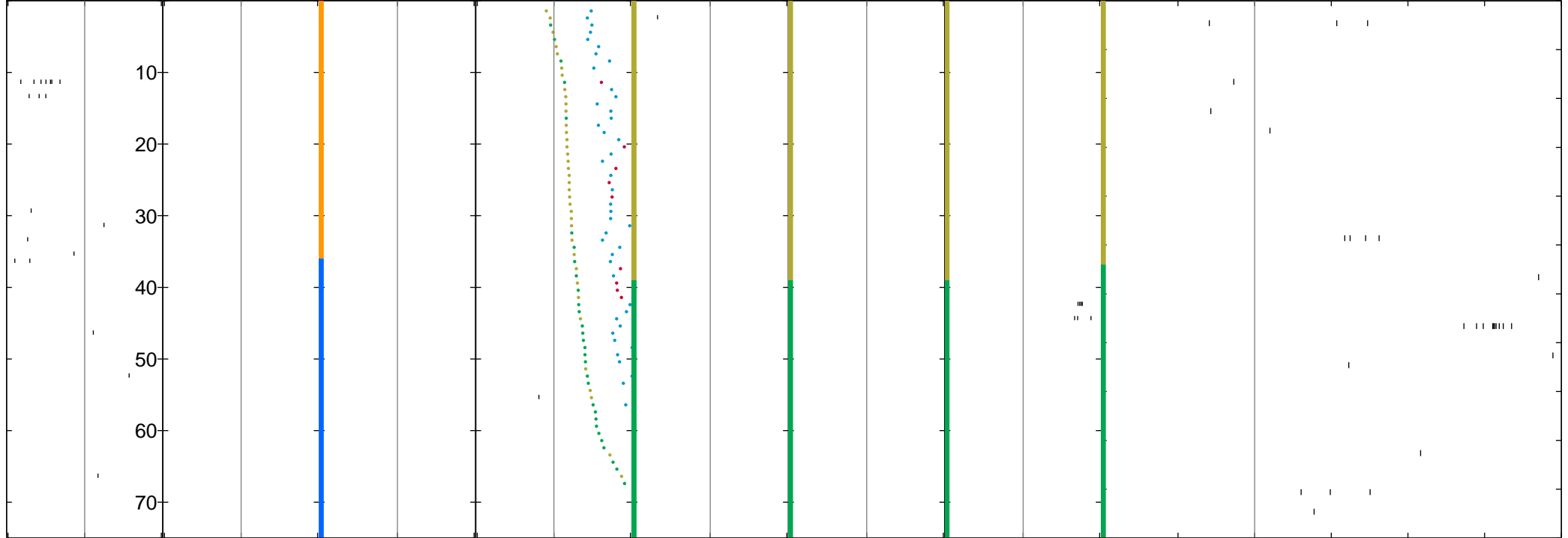
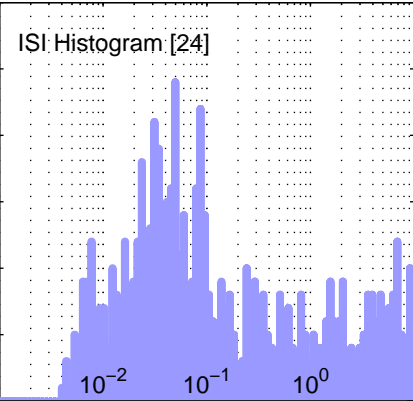
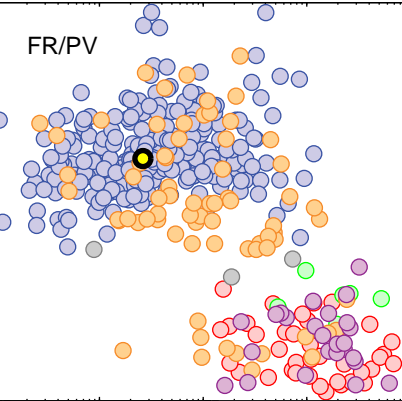
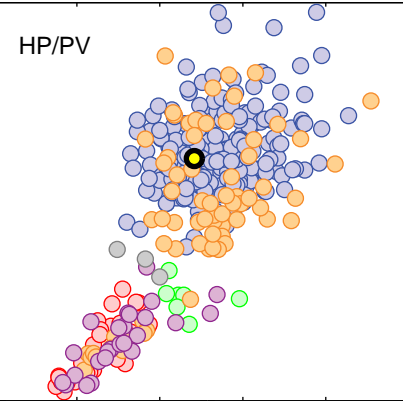
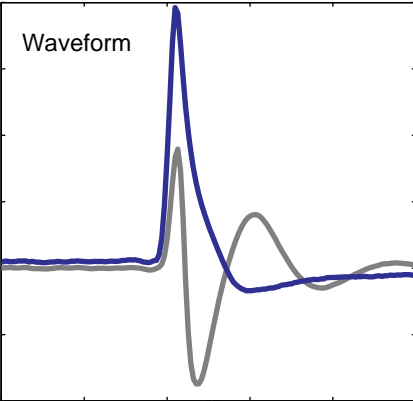
8 Reward [34,43]

5
4
3
2
1

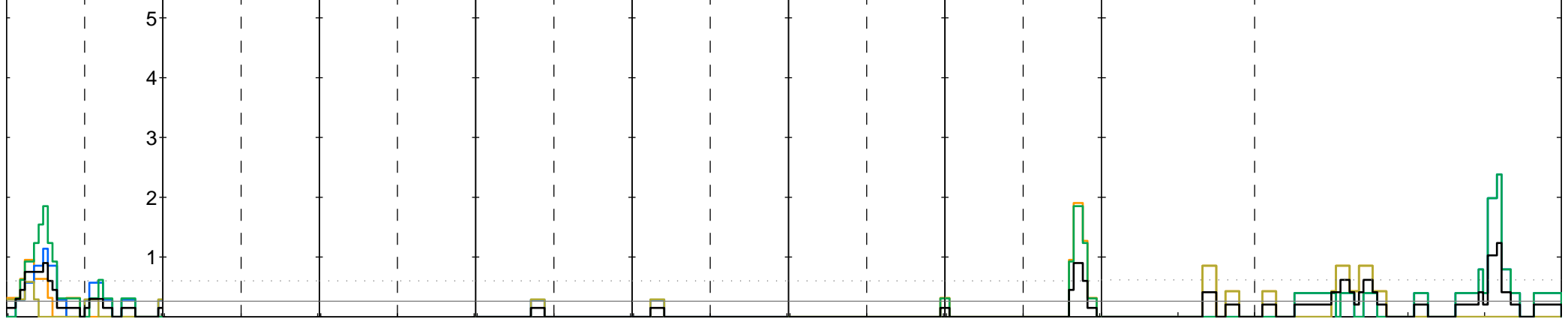
Cell: C0320070613T09a

AP: 1.6 ML: 3.7 DV: 4.7
w: 1 n: 722 $P_{ISI>2}$: 0.95
1/2pw: 242 μ s p->v: 861 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.262 Hz
Pk Ev: None
Pk FR: --

MSN



1 Cue On [74] 2 Nose In [74] 3 Tone [35,39] 4 Go [74] 5 Choice [38,36] 6 Side In [38,36] 7 Nose Out [38,36] 8 Reward [26,28]



Cell: C0320070613T09b

AP: 1.6 ML: 3.7 DV: 4.7

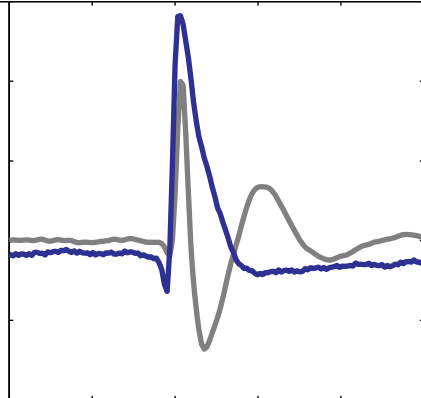
w: 1 n: 4515 $P_{ISI>2}$: 0.461/2pw: 296 μ s p \rightarrow v: 797 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

Session FR: 1.61 Hz

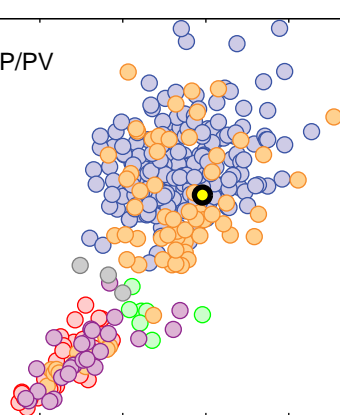
Pk Ev: None

Pk FR: --

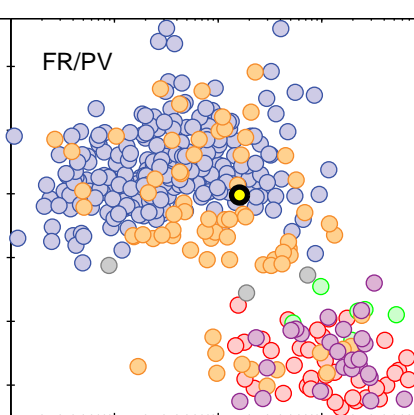
MSN



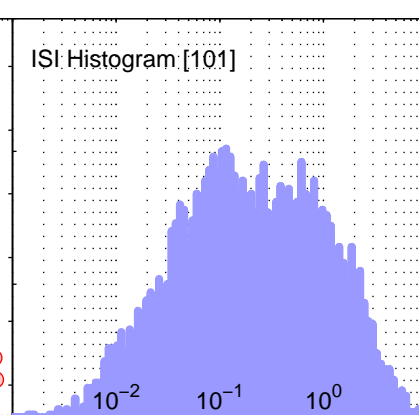
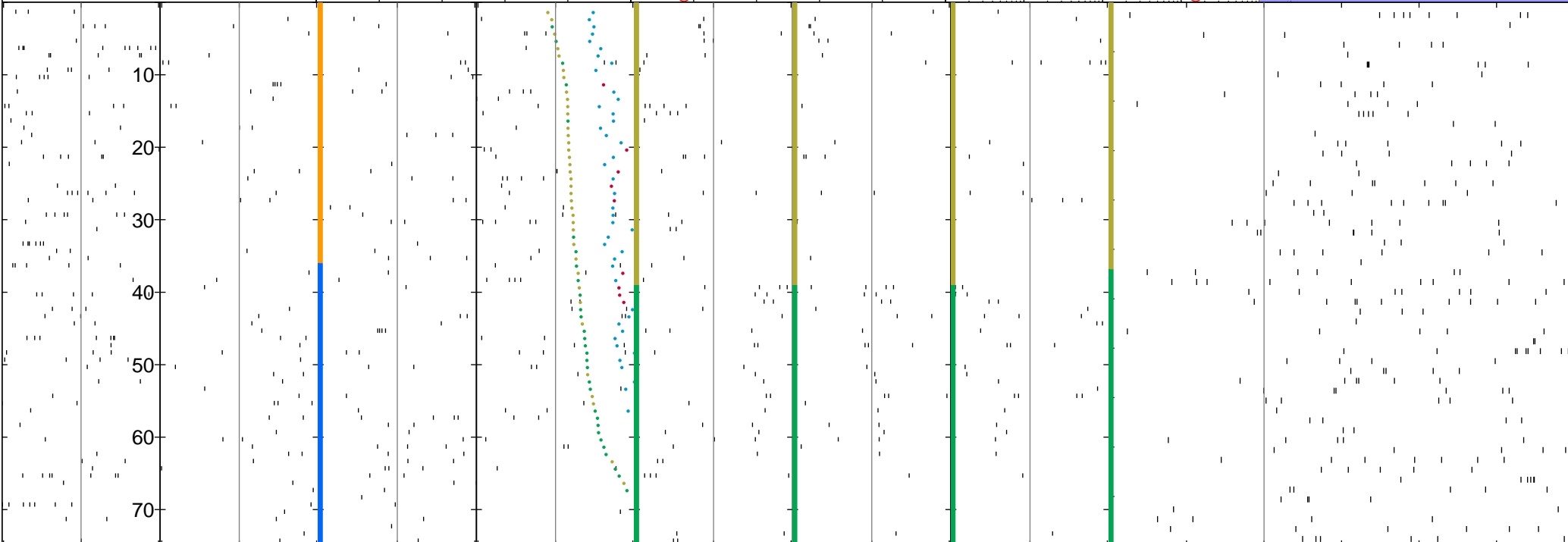
HP/PV



FR/PV



ISI Histogram [101]

10
20
30
40
50
60
70

1 Cue On [74]

2 Nose In [74]

3 Tone [35,39]

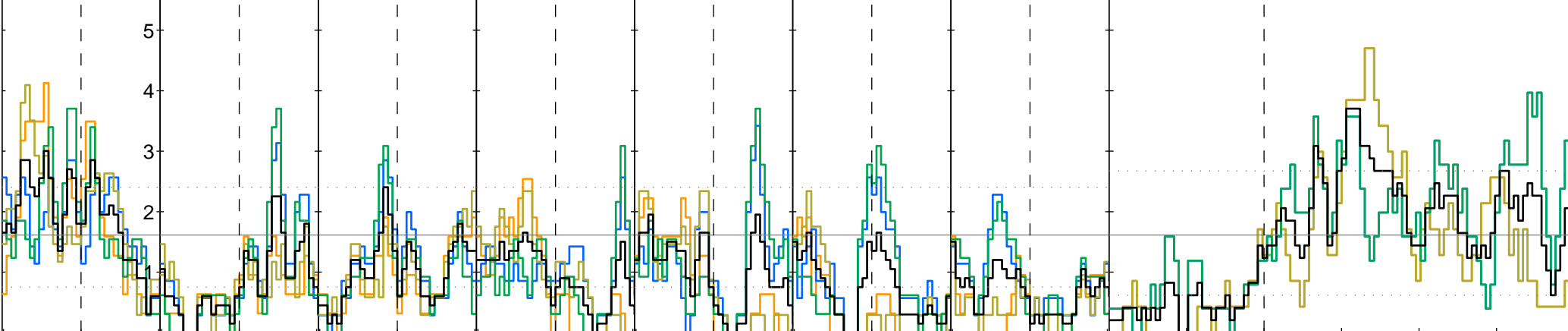
4 Go [74]

5 Choice [38,36]

6 Side In [38,36]

7 Nose Out [38,36]

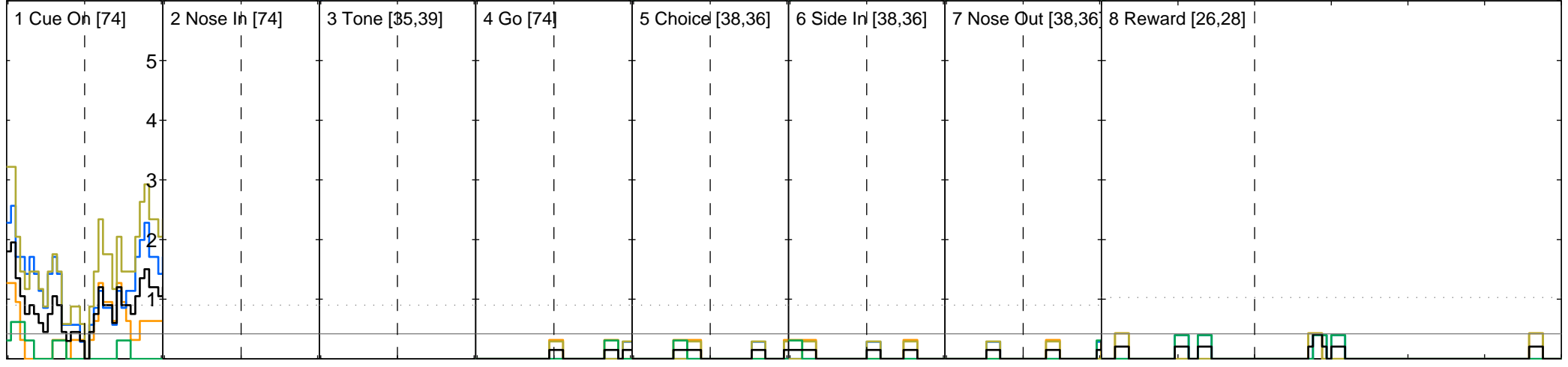
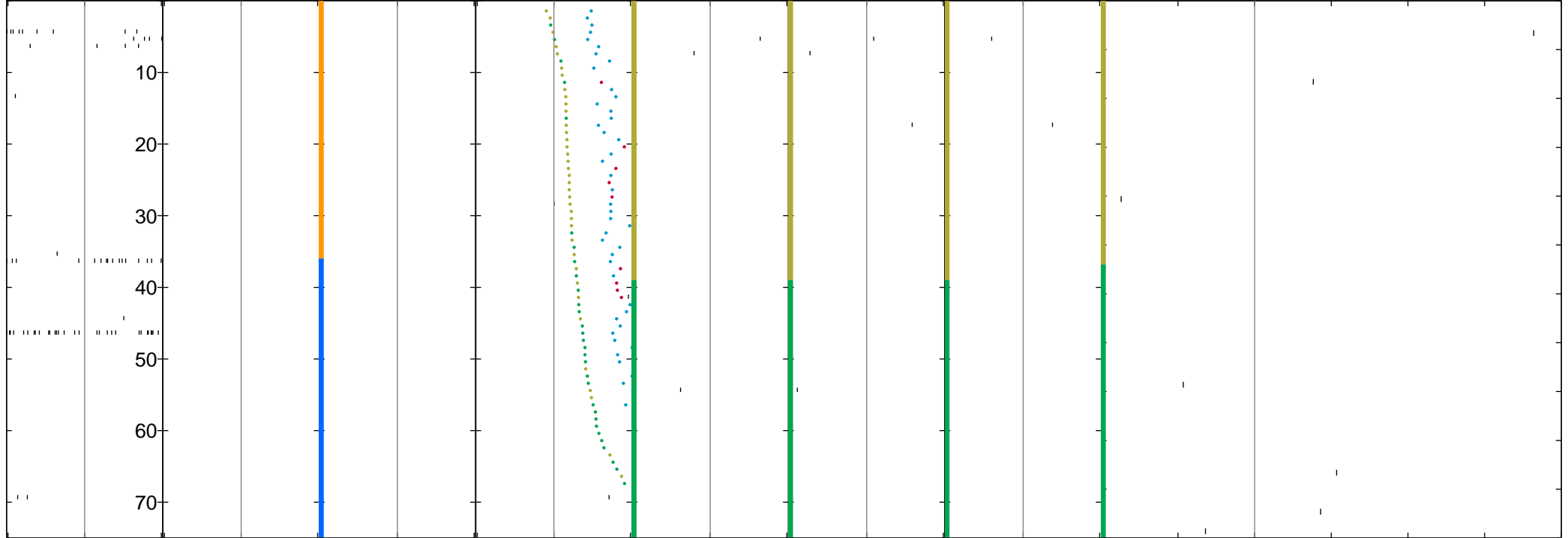
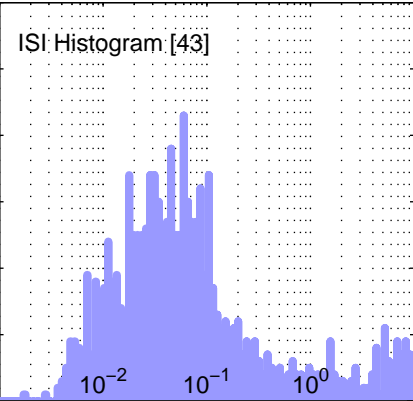
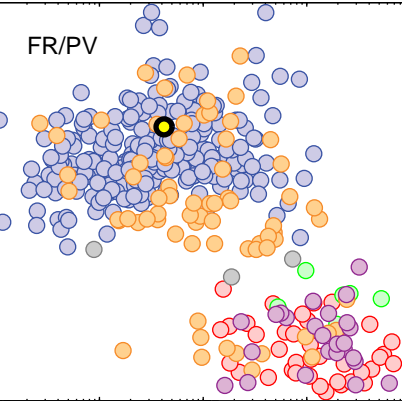
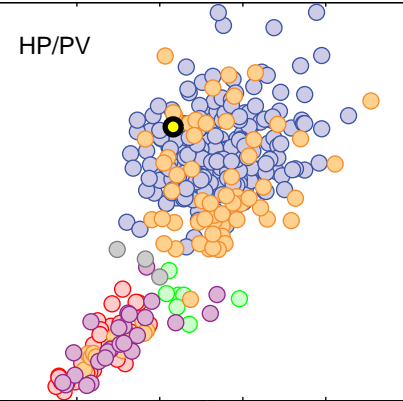
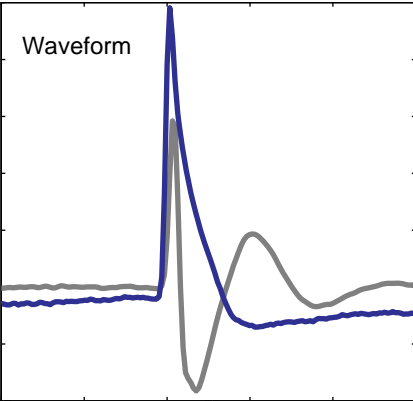
8 Reward [26,28]

5
4
3
2

Cell: C0320070613T09h

AP: 1.6 ML: 3.7 DV: 4.7
w: 4 n: 1171 $P_{ISI>2}$: 0.95
1/2pw: 216 μ s p->v: 960 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.42 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0320070618T07a

AP: 0.96 ML: 3.6 DV: 5.6

w: 2 n: 94 $P_{ISI>2}$: 1

1/2pw: 184 μ s p->v: 762 μ s

β_T : NaN β_D : NaN

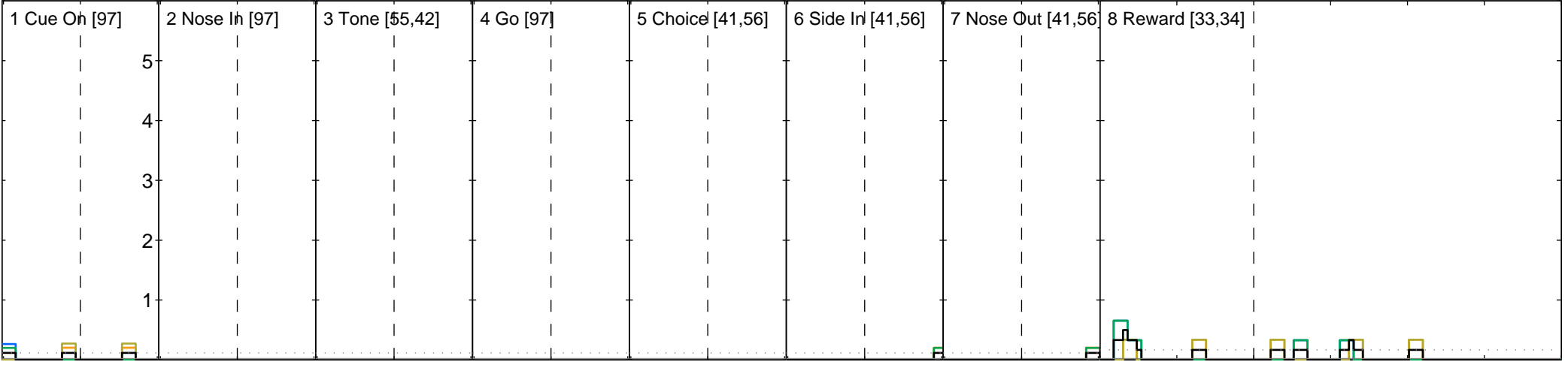
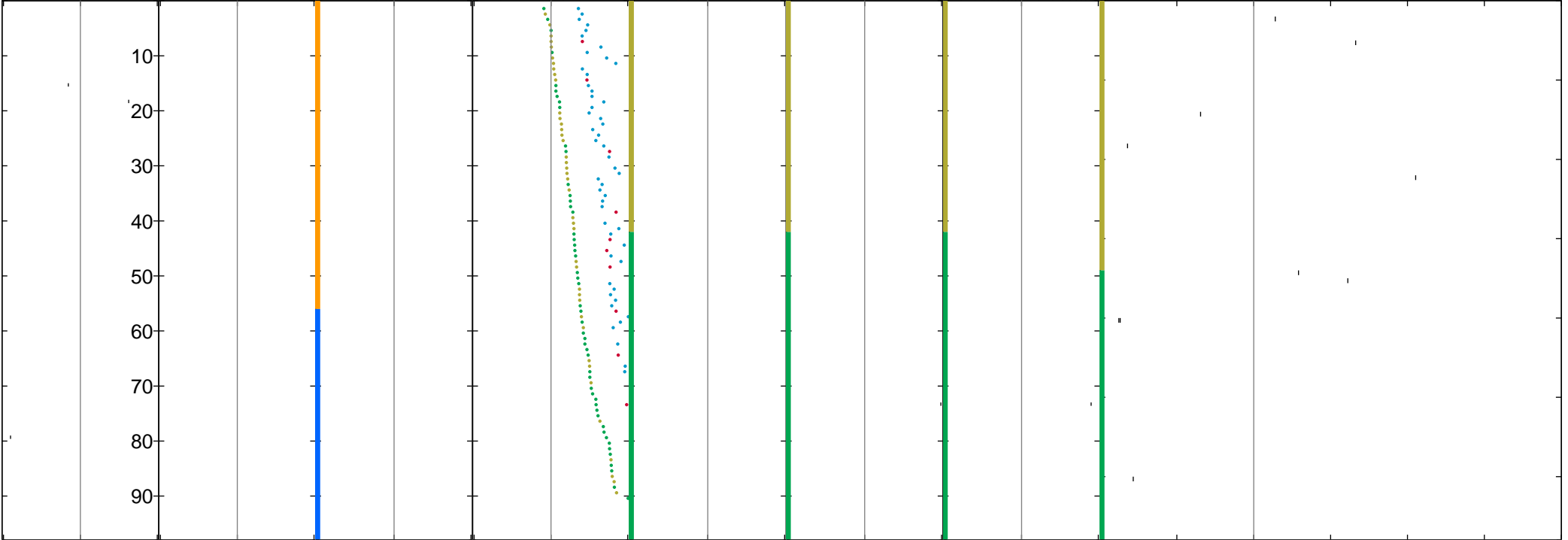
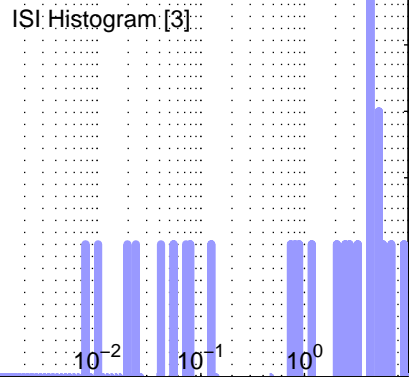
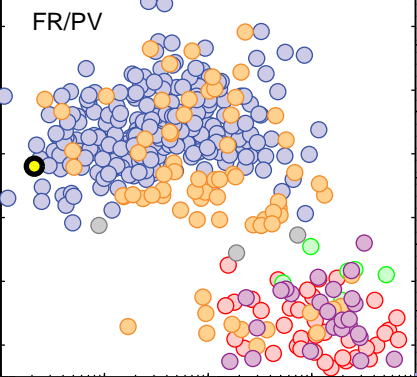
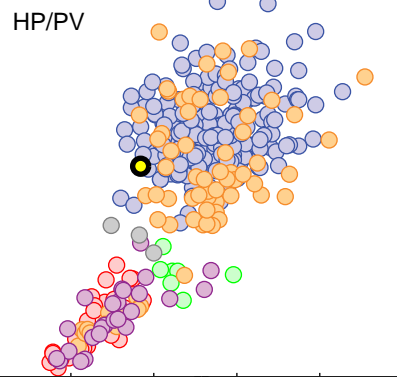
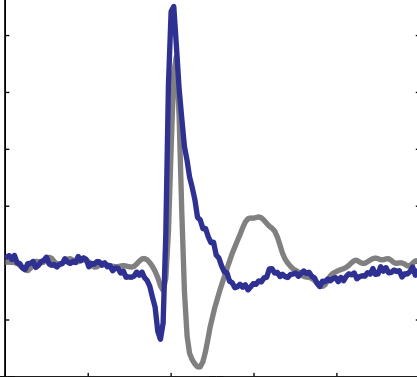
β_P : NaN SI: NaN

Session FR: 0.0211 Hz

Pk Ev: None

Pk FR: --

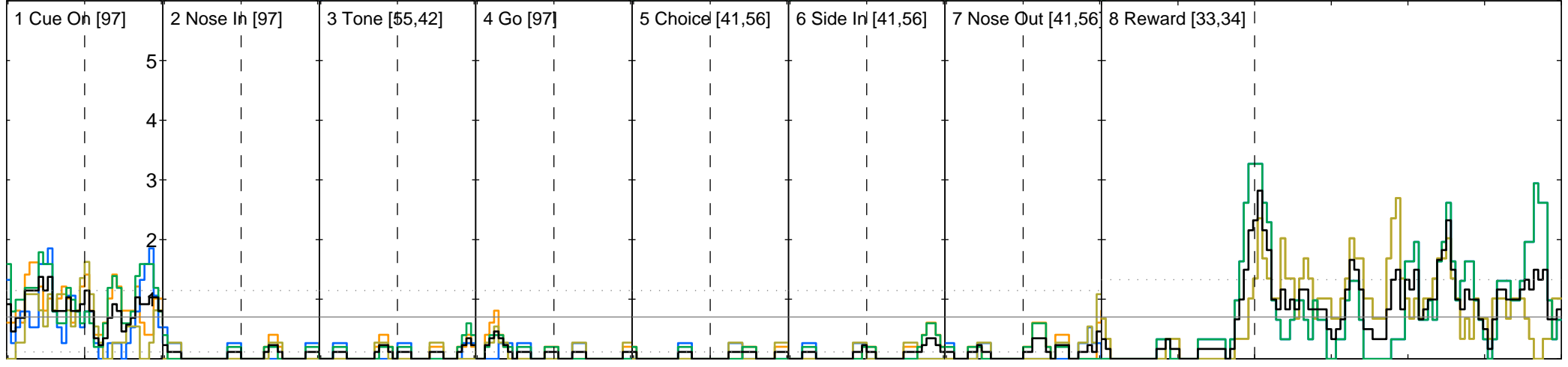
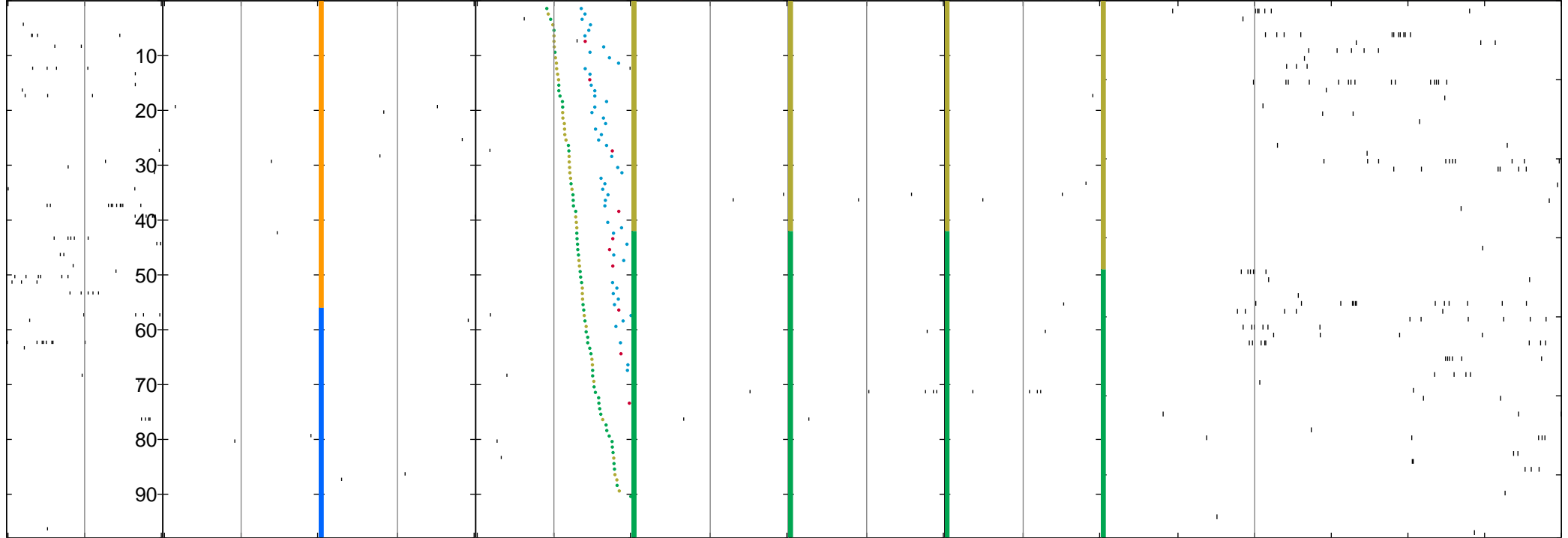
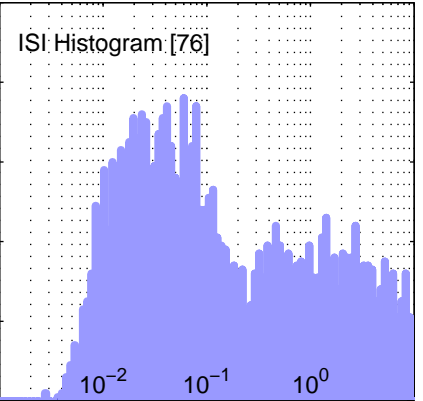
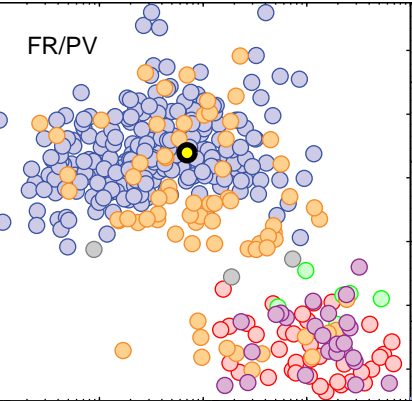
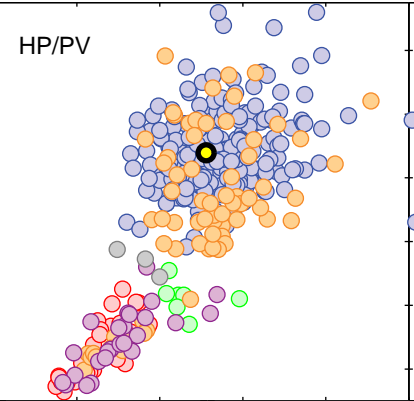
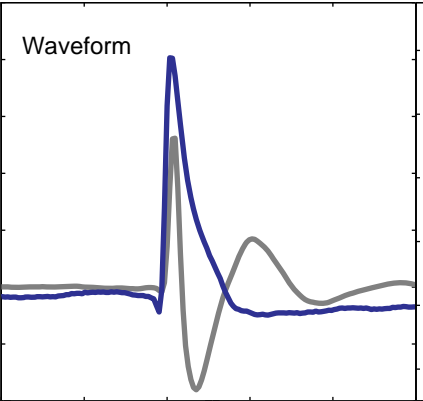
MSN



Cell: C0320070618T07c

AP: 0.96 ML: 3.6 DV: 5.6
w: 3 n: 3517 $P_{ISI>2}$: 0.85
1/2pw: 256 μ s p->v: 878 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.702 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0320070618T07d

AP: 0.96 ML: 3.6 DV: 5.6

w: 2 n: 606 $P_{ISI>2}$: 0.98

1/2pw: 234 μ s p->v: 877 μ s

β_T : NaN β_D : NaN

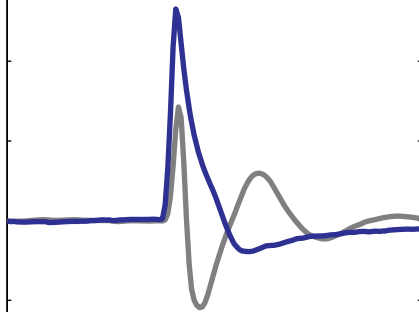
β_P : NaN SI: NaN

Session FR: 0.121 Hz

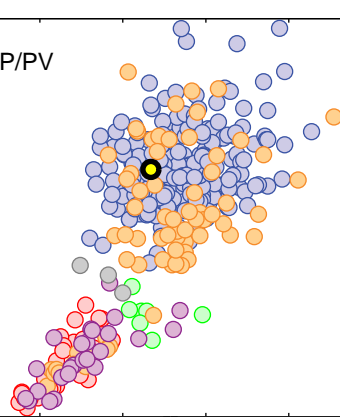
Pk Ev: None

Pk FR: --

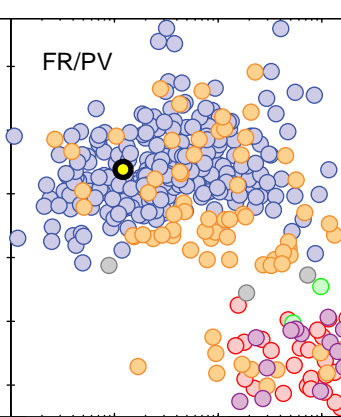
MSN



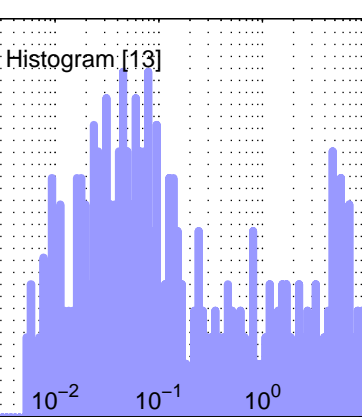
HP/PV



FR/PV



ISI Histogram [13]



10
20
30
40
50
60
70
80
90

1 Cue On [97]

2 Nose In [97]

3 Tone [55,42]

4 Go [97]

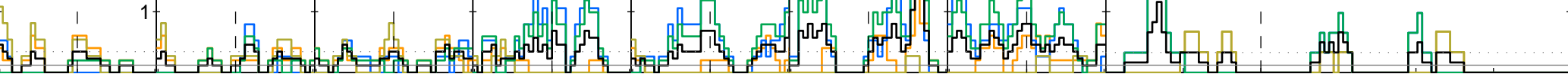
5 Choice [41,56]

6 Side In [41,56]

7 Nose Out [41,56]

8 Reward [33,34]

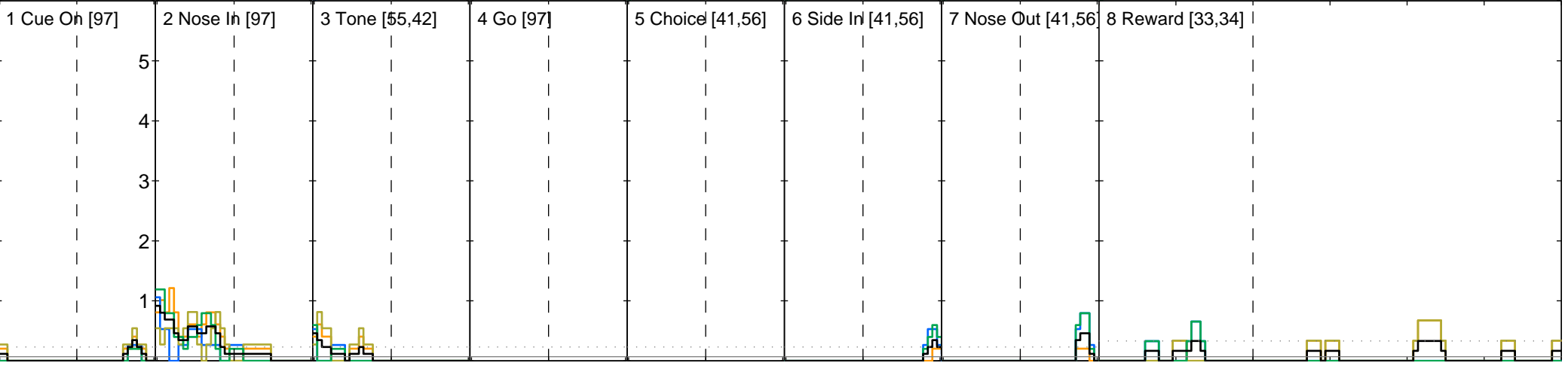
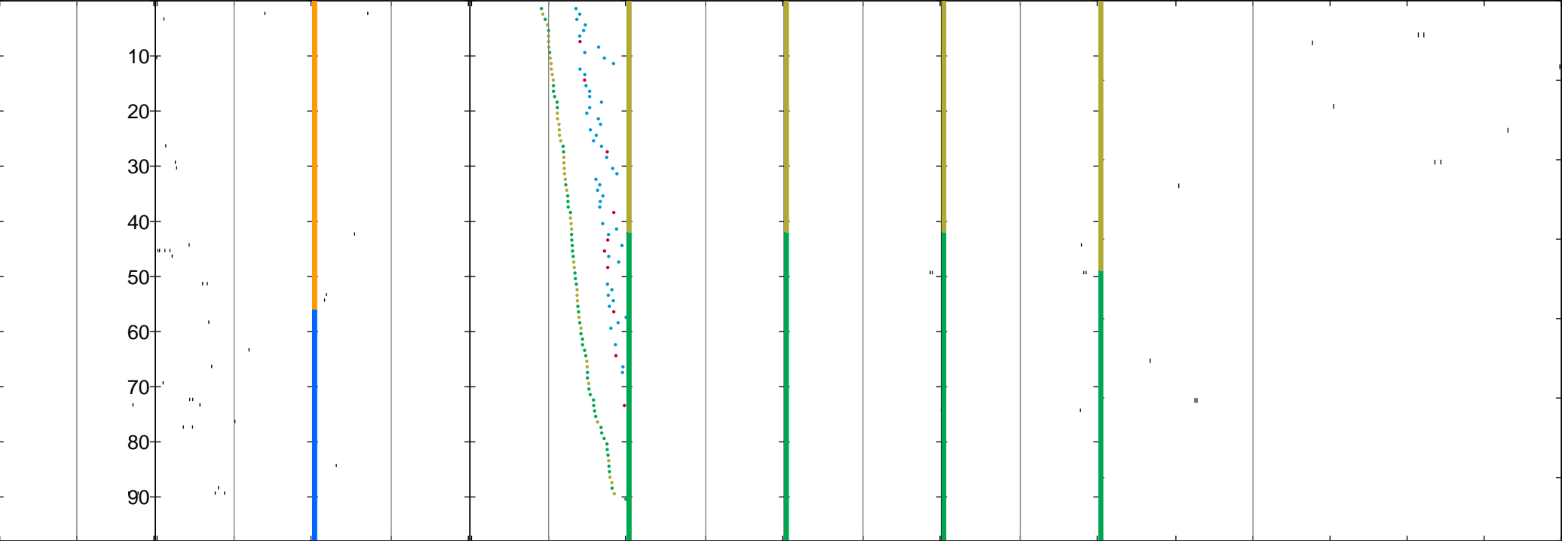
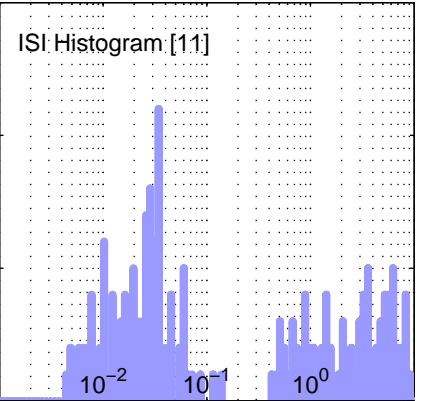
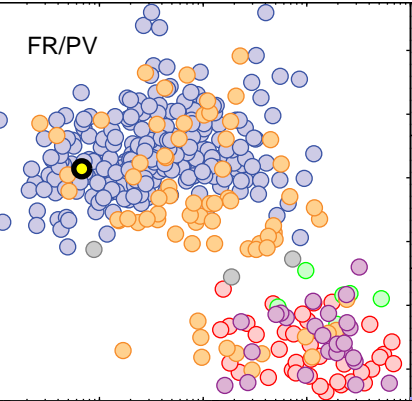
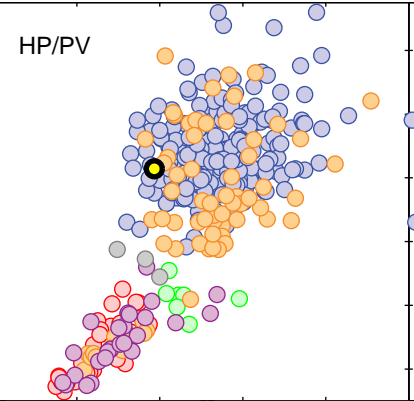
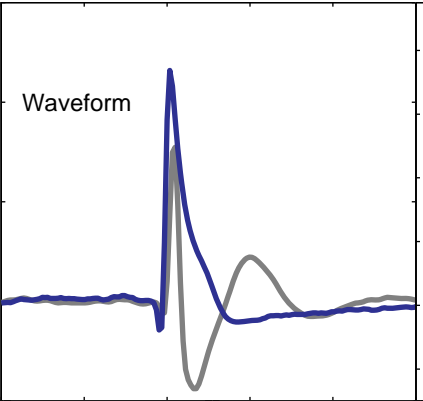
5
4
3
2
1



Cell: C0320070618T07e

AP: 0.96 ML: 3.6 DV: 5.6
w: 2 n: 325 $P_{ISI>2}$: 0.99
1/2pw: 194 μ s p->v: 829 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0674 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0320070618T07g

AP: 0.96 ML: 3.6 DV: 5.6

w: 4 n: 2282 $P_{ISI>2}$: 0.78

1/2pw: 234 μ s p->v: 1078 μ s

β_T : NaN β_D : NaN

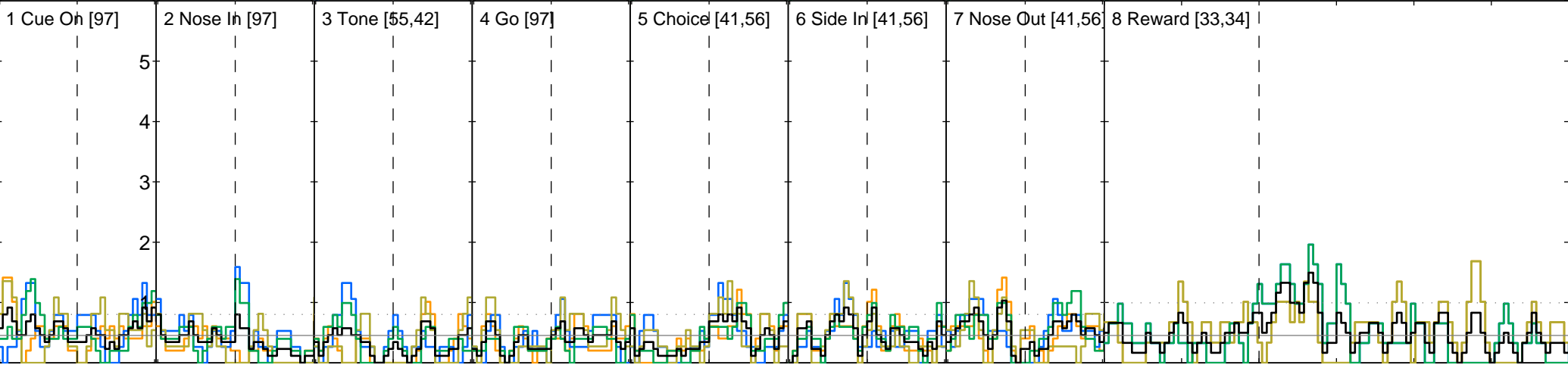
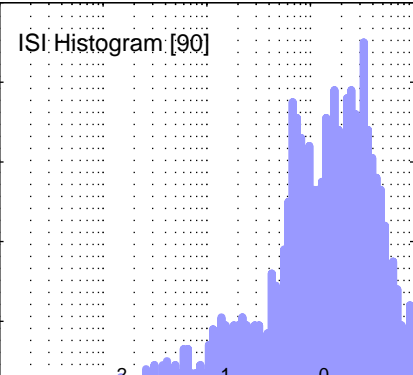
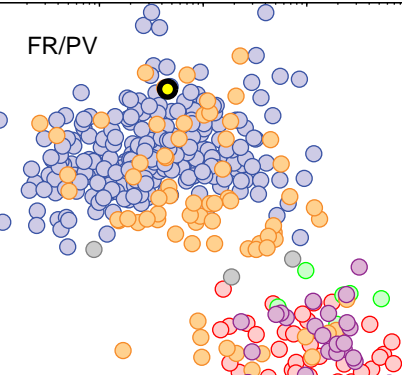
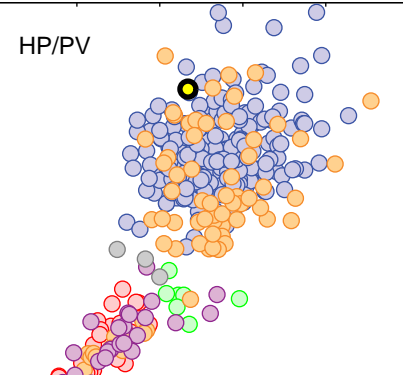
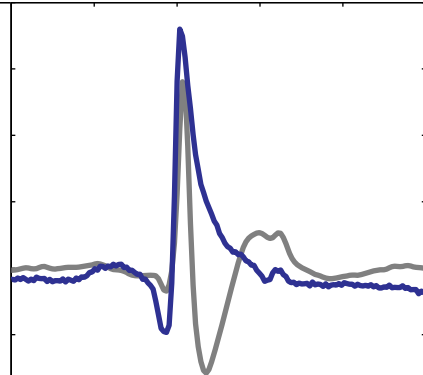
β_P : NaN SI: NaN

Session FR: 0.454 Hz

Pk Ev: None

Pk FR: --

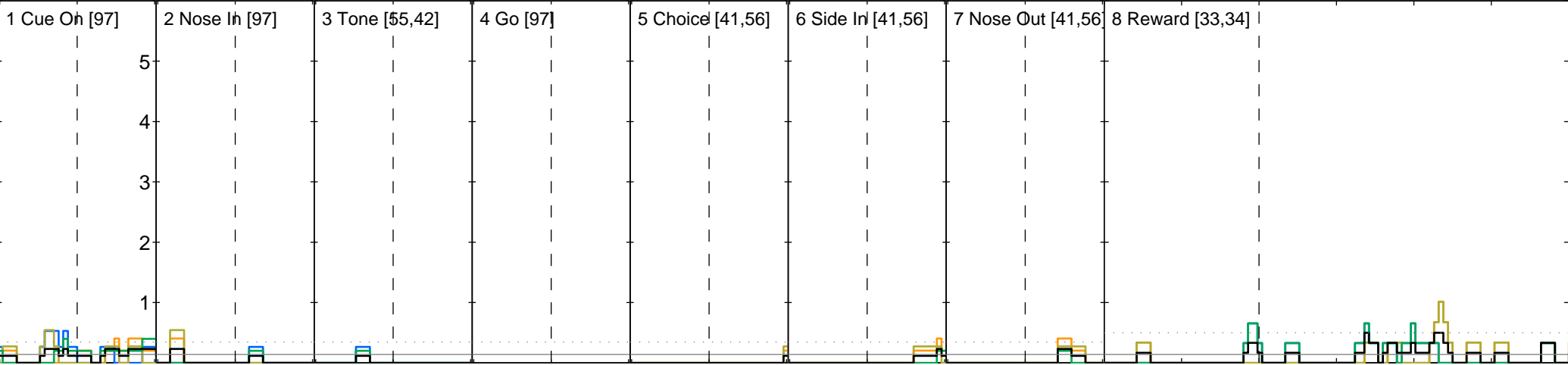
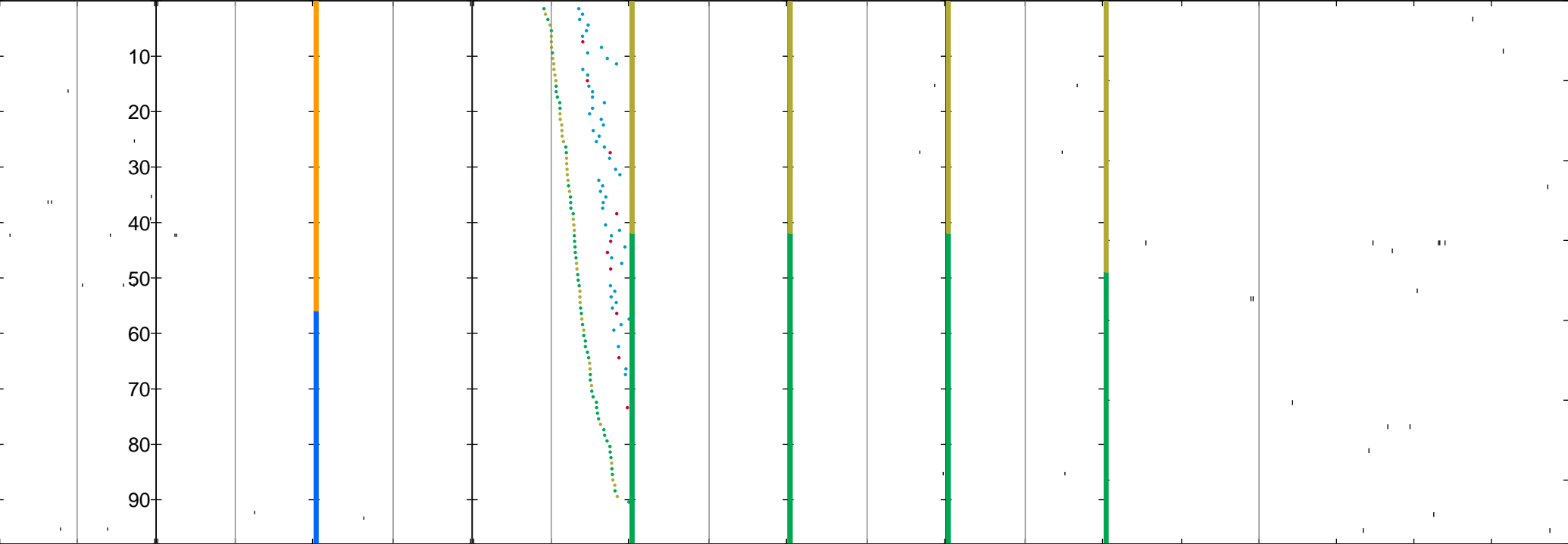
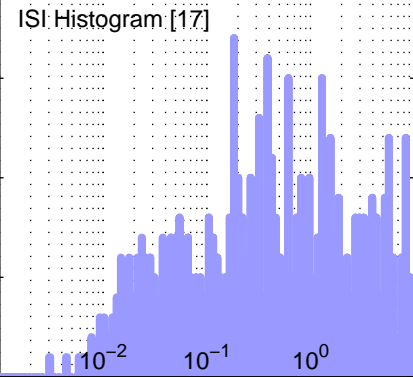
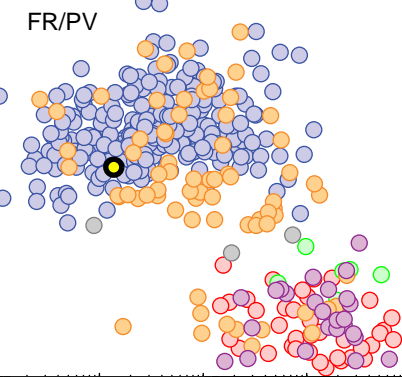
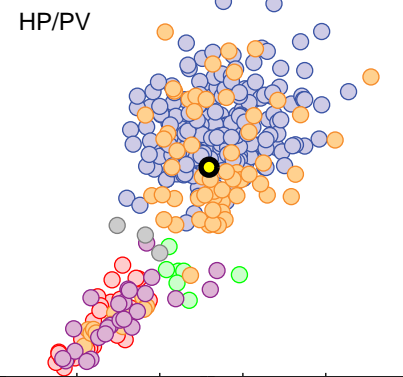
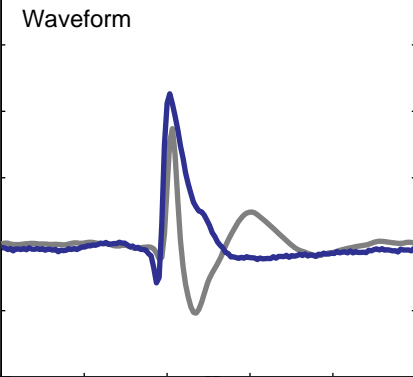
MSN



Cell: C0320070618T07h

AP: 0.96 ML: 3.6 DV: 5.6
w: 4 n: 691 $P_{ISI>2}$: 0.96
1/2pw: 259 μ s p->v: 758 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.138 Hz
Pk Ev: None
Pk FR: --

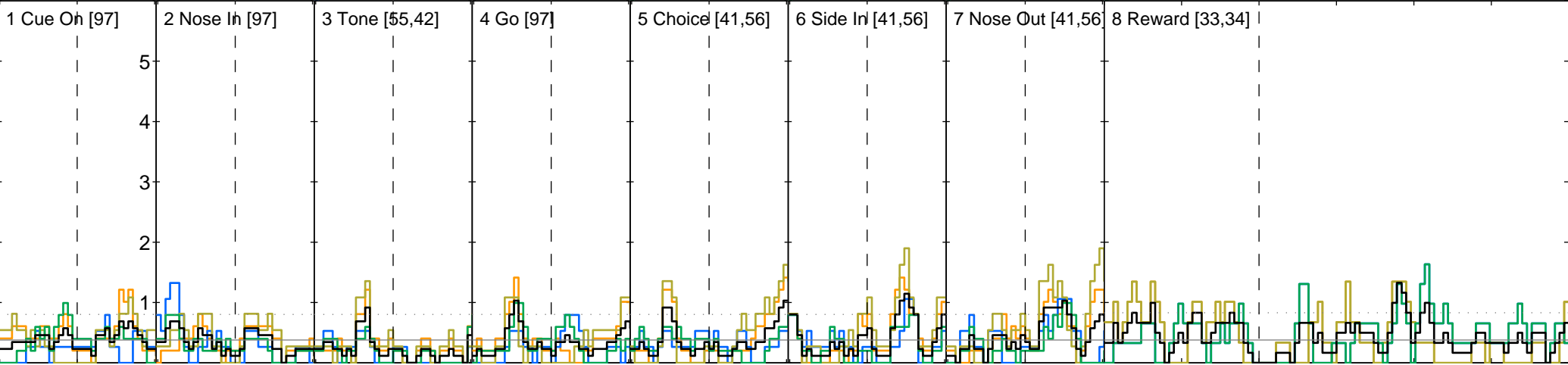
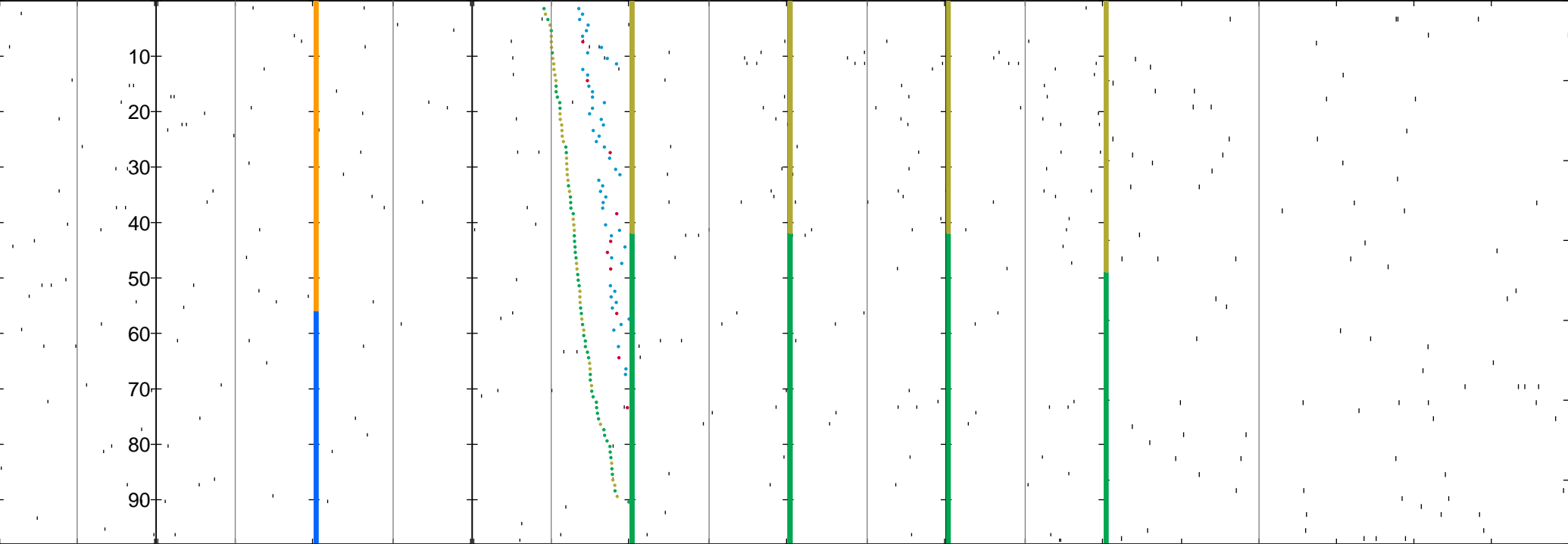
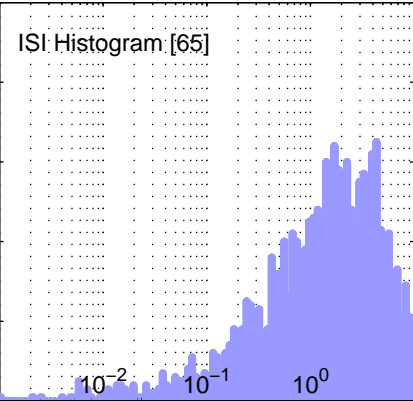
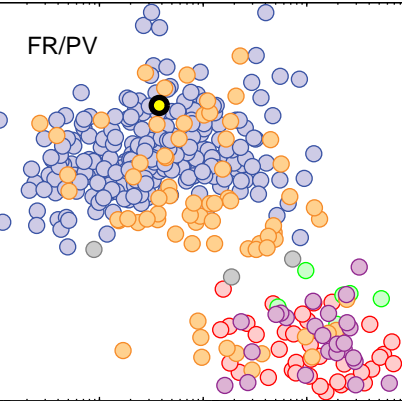
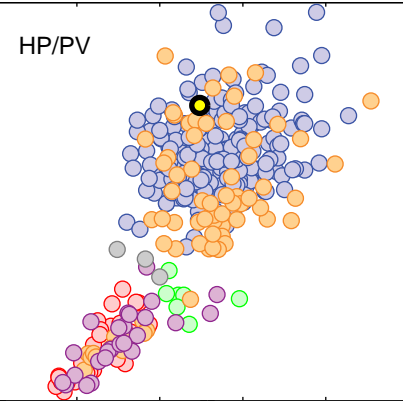
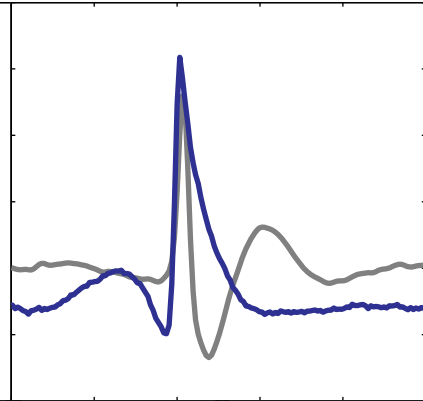
MSN



Cell: C0320070618T07i

AP: 0.96 ML: 3.6 DV: 5.6
w: 3 n: 1895 $P_{ISI>2}$: 0.83
1/2pw: 248 μ s p->v: 1027 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.377 Hz
Pk Ev: None
Pk FR: --

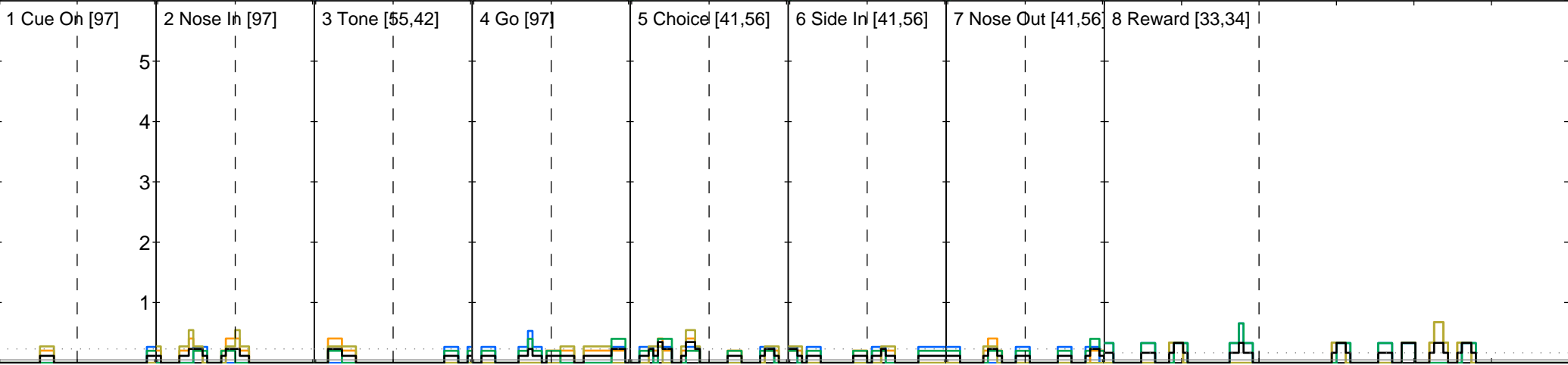
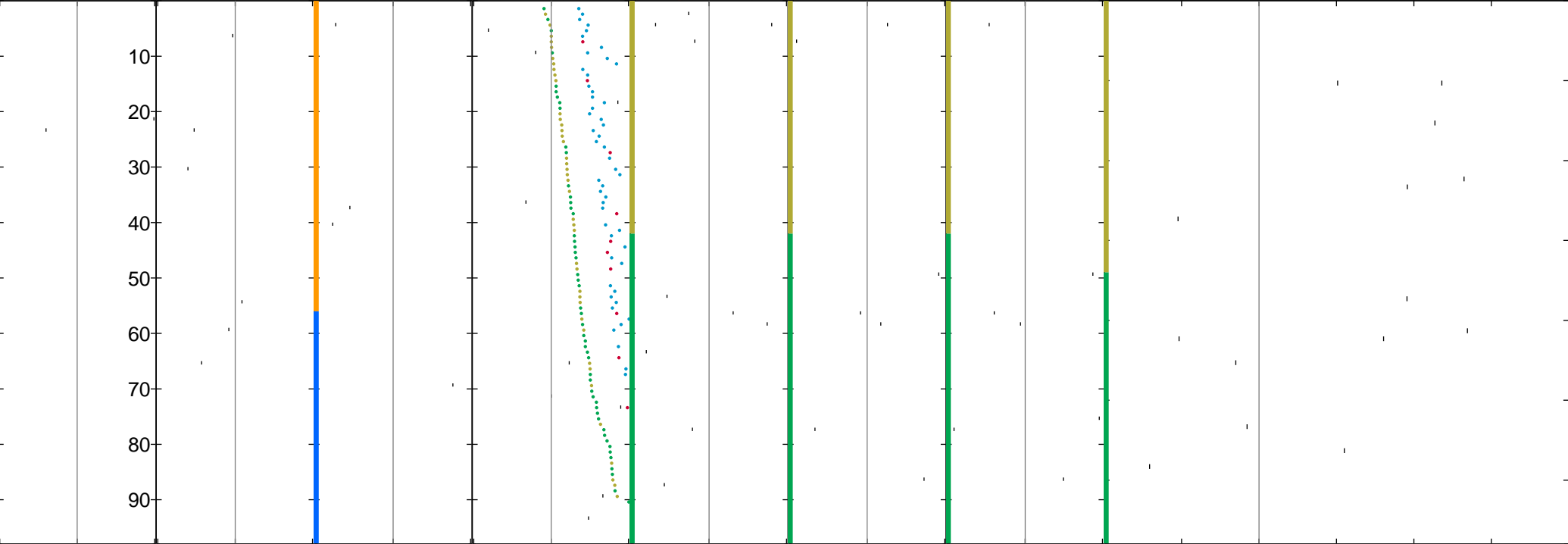
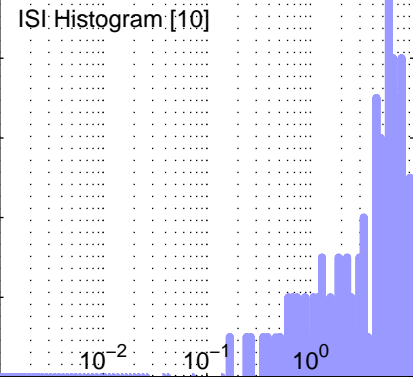
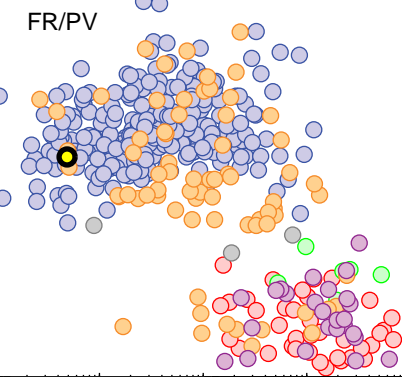
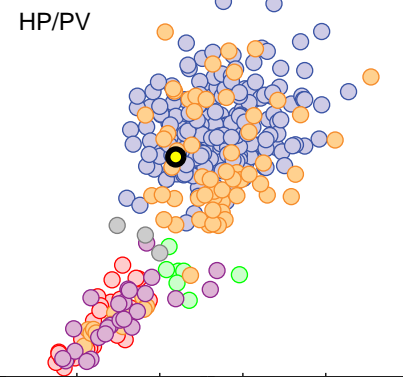
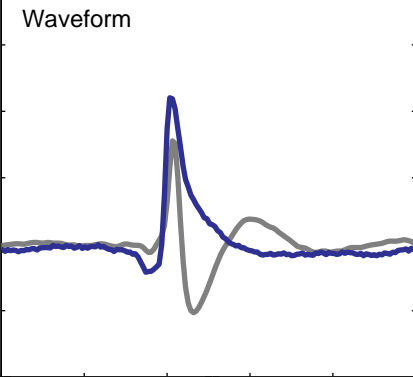
MSN



Cell: C0320070618T07j

AP: 0.96 ML: 3.6 DV: 5.6
w: 3 n: 244 $P_{ISI>2}$: 0.99
1/2pw: 219 μ s p->v: 790 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0488 Hz
Pk Ev: None
Pk FR: --

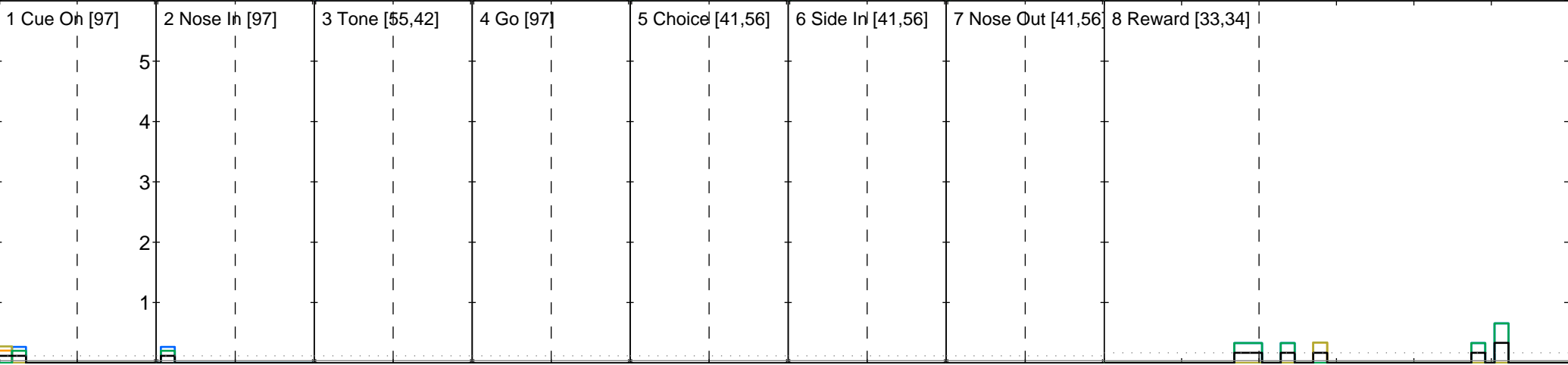
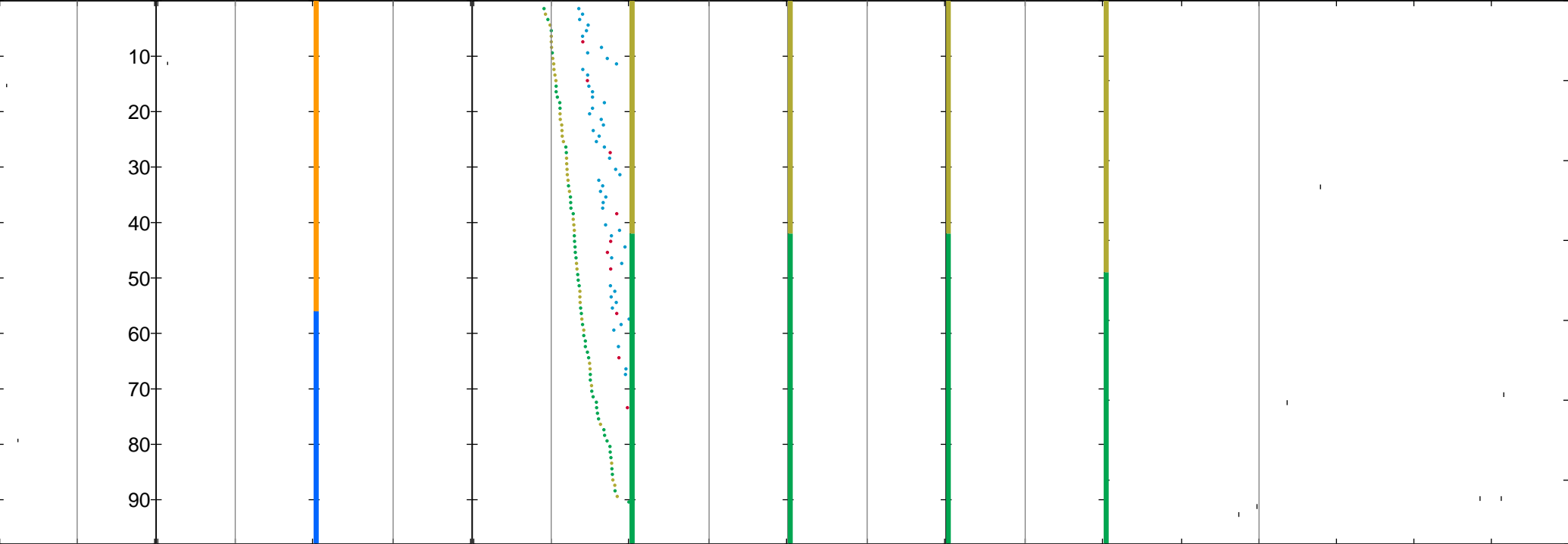
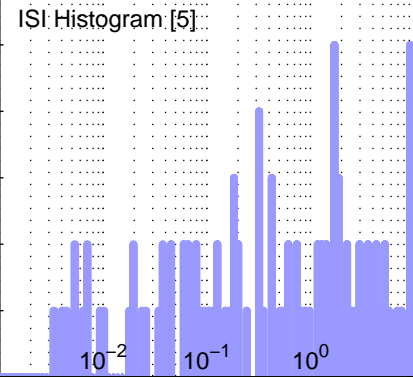
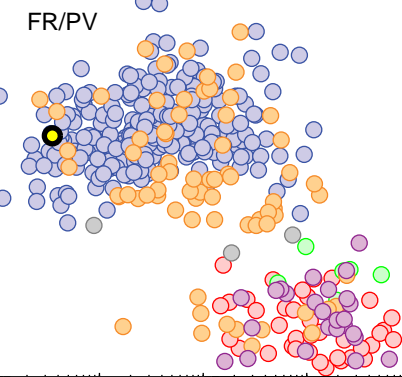
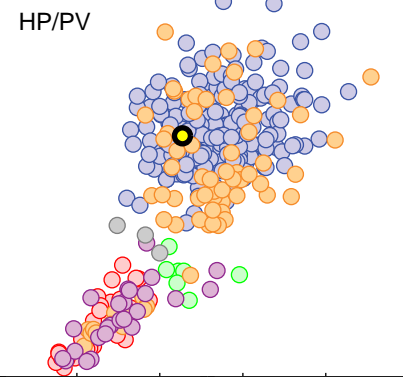
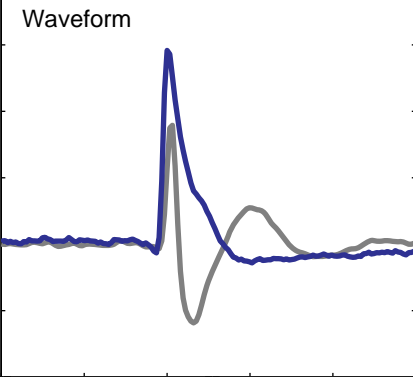
MSN



Cell: C0320070618T071

AP: 0.96 ML: 3.6 DV: 5.6
w: 4 n: 173 $P_{ISI>2}$: 0.99
1/2pw: 227 μ s p->v: 856 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0351 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0320070618T09a

AP: 1.6 ML: 3.7 DV: 4.9

w: 1 n: 269 $P_{ISI>2}$: 0.991/2pw: 253 μ s p->v: 918 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

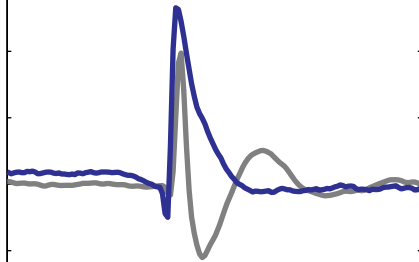
Session FR: 0.0552 Hz

Pk Ev: None

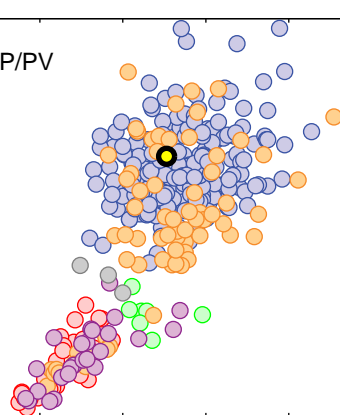
Pk FR: --

MSN

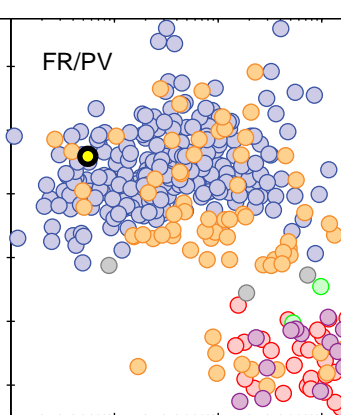
Waveform



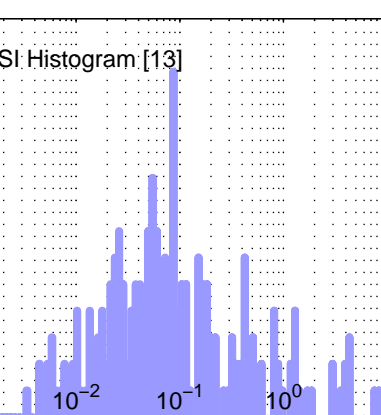
HP/PV



FR/PV



ISI Histogram [13]

10
20
30
40
50
60
70
80
90

1 Cue On [97]

2 Nose In [97]

3 Tone [55,42]

4 Go [97]

5 Choice [41,56]

6 Side In [41,56]

7 Nose Out [41,56]

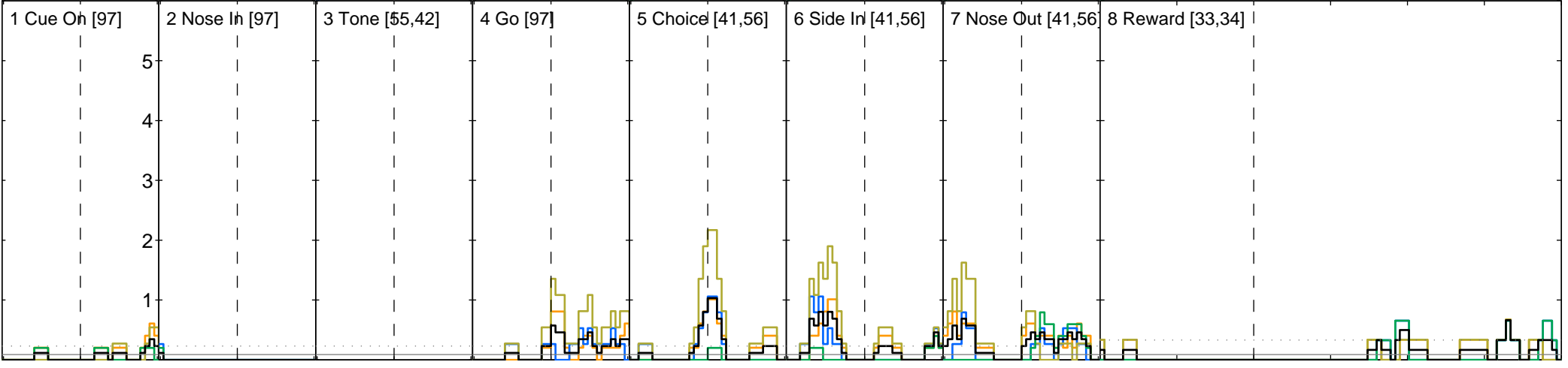
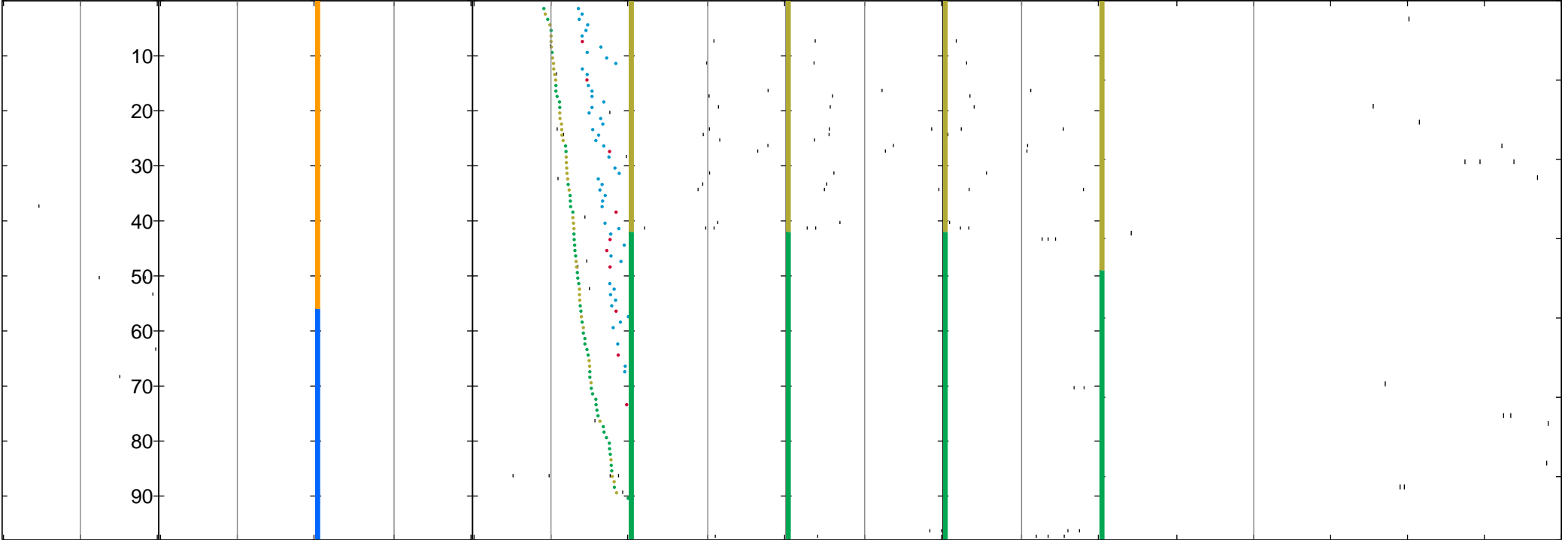
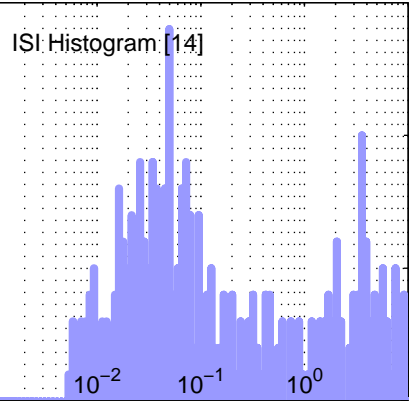
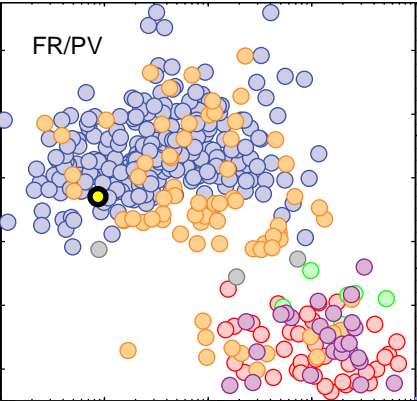
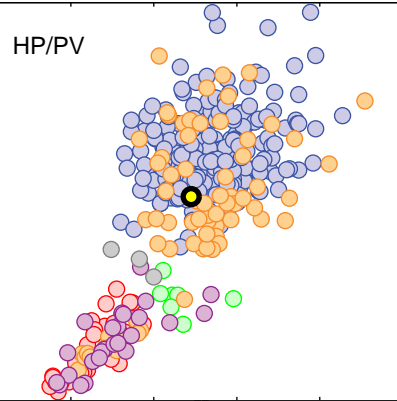
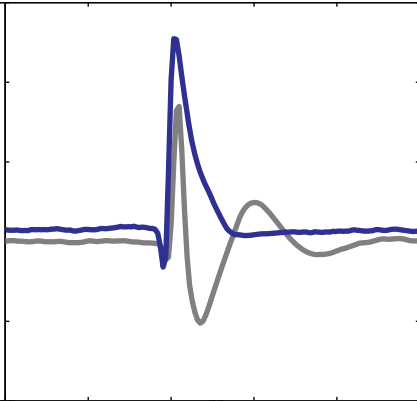
8 Reward [33,34]

5
4
3
2
1

Cell: C0320070618T09b

AP: 1.6 ML: 3.7 DV: 4.9
w: 2 n: 430 $P_{ISI>2}$: 0.99
1/2pw: 245 μ s p->v: 741 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0866 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0320070618T09g

AP: 1.6 ML: 3.7 DV: 4.9

w: 1 n: 284 $P_{ISI>2}$: 0.991/2pw: 342 μ s p->v: 899 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

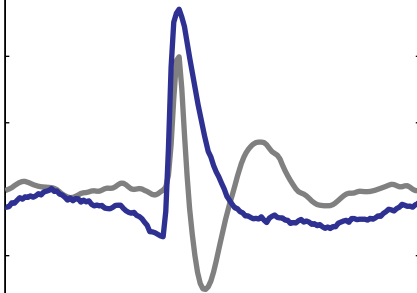
Session FR: 0.0567 Hz

Pk Ev: None

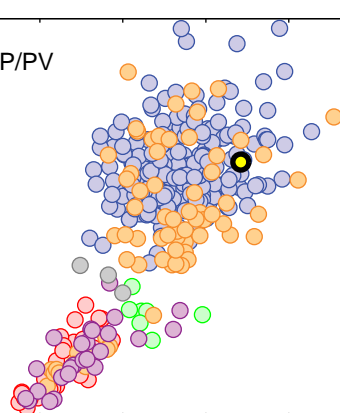
Pk FR: --

MSN

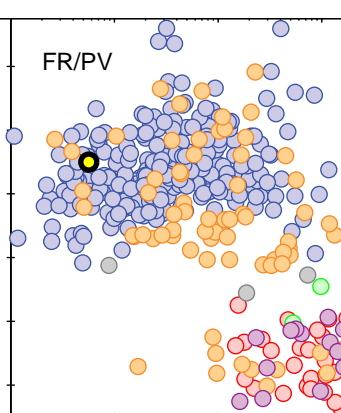
Waveform



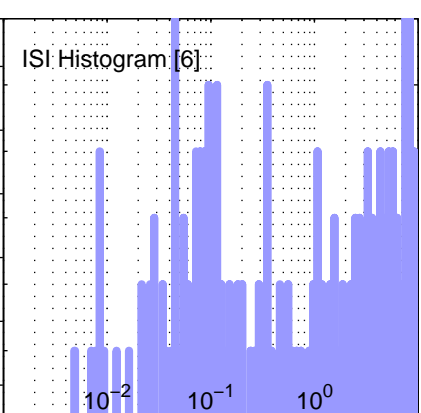
HP/PV



FR/PV



ISI Histogram [6]



10

20

30

40

50

60

70

80

90

1 Cue On [97]

2 Nose In [97]

3 Tone [55,42]

4 Go [97]

5 Choice [41,56]

6 Side In [41,56]

7 Nose Out [41,56]

8 Reward [33,34]

5

4

3

2

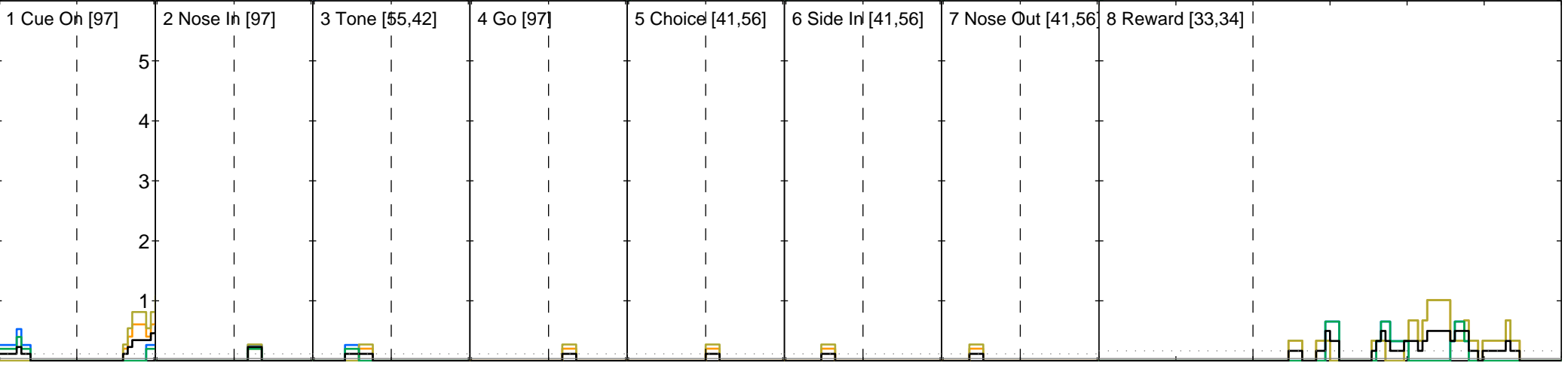
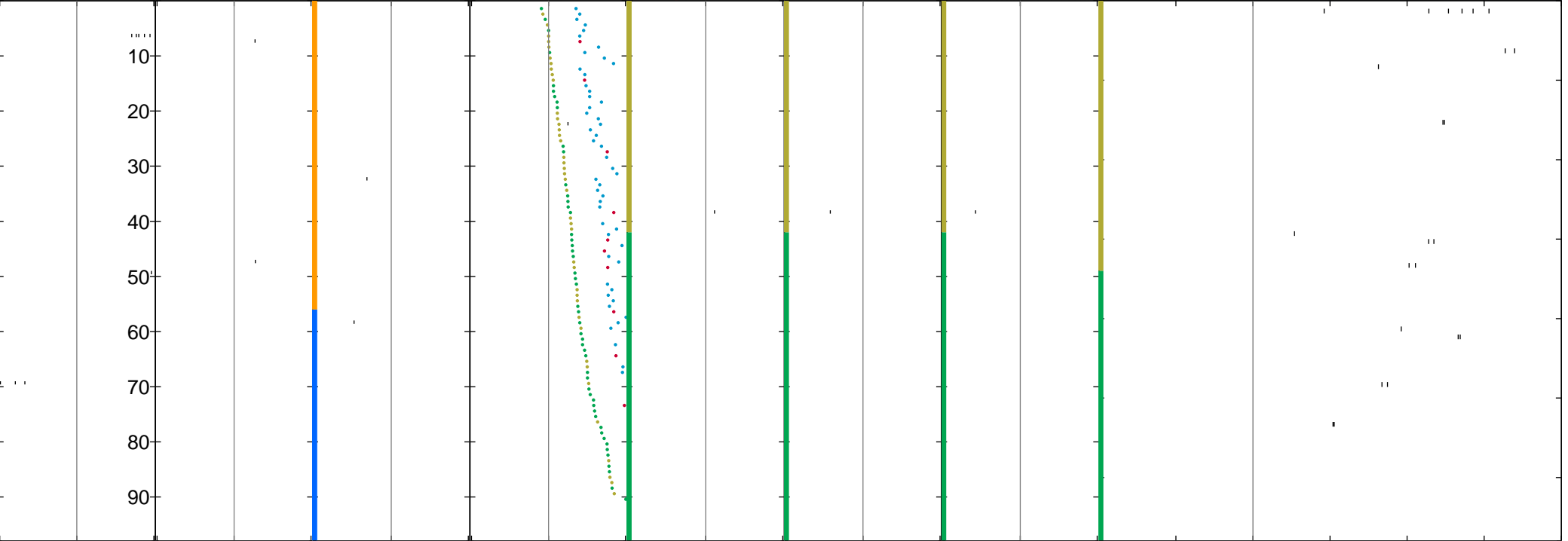
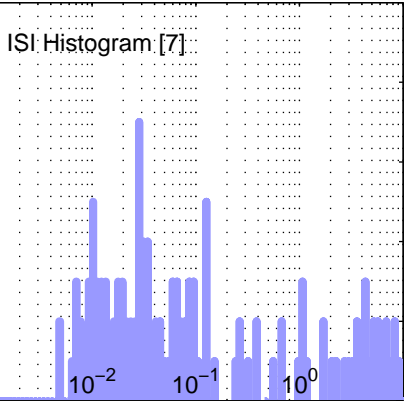
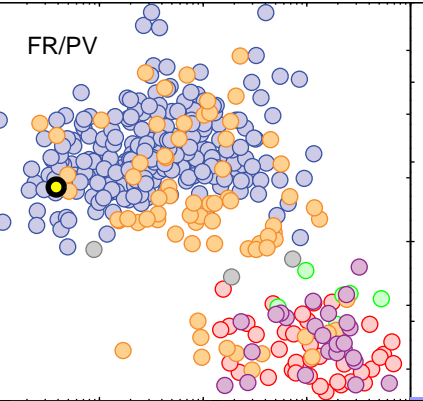
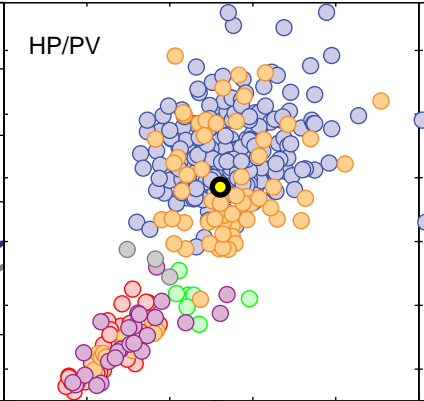
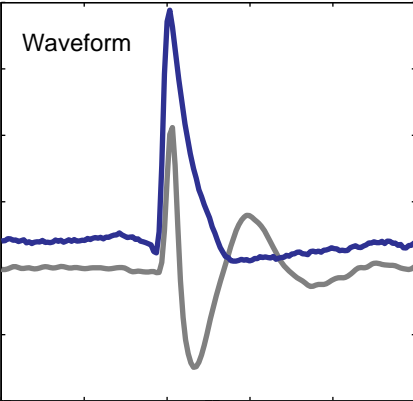
1



Cell: C0320070618T11a

AP: -0.96 ML: 3.7 DV: 5.3
w: 2 n: 191 $P_{ISI>2}$: 1
1/2pw: 261 μ s p->v: 771 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0384 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0320070619T06a

AP: 1.7 ML: 1.3 DV: 6.5

w: 4 n: 2161 $P_{ISI>2}$: 0.77

1/2pw: 342 μ s p->v: 862 μ s

β_T : NaN β_D : NaN

β_P : NaN SI: NaN

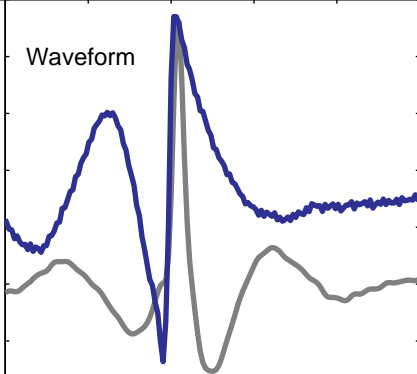
Session FR: 0.51 Hz

Pk Ev: None

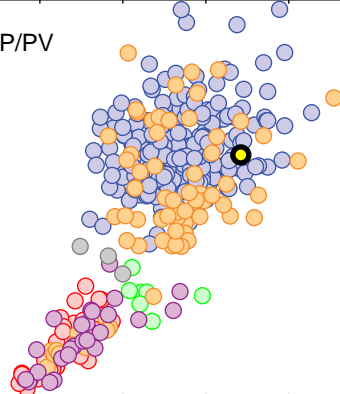
Pk FR: --

MSN

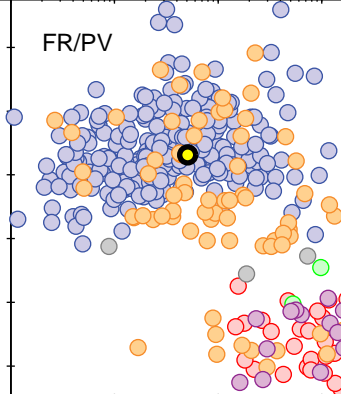
Waveform



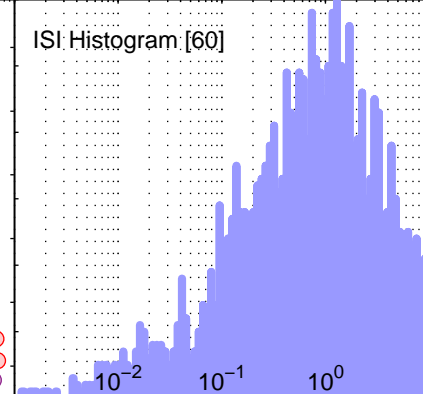
HP/PV



FR/PV



ISI Histogram [60]



10
20
30
40
50
60
70
80
90

1 Cue On [94]

2 Nose In [94]

3 Tone [50,44]

4 Go [94]

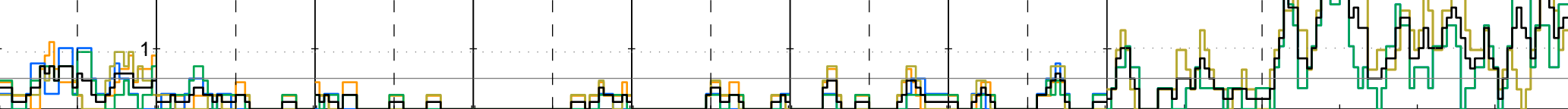
5 Choice [47,47]

6 Side In [47,47]

7 Nose Out [47,47]

8 Reward [34,32]

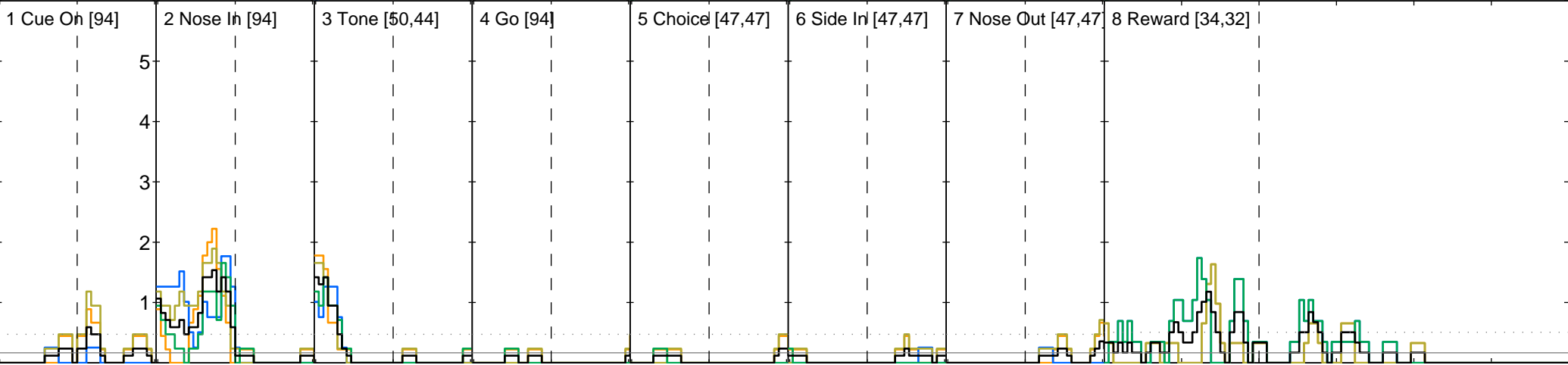
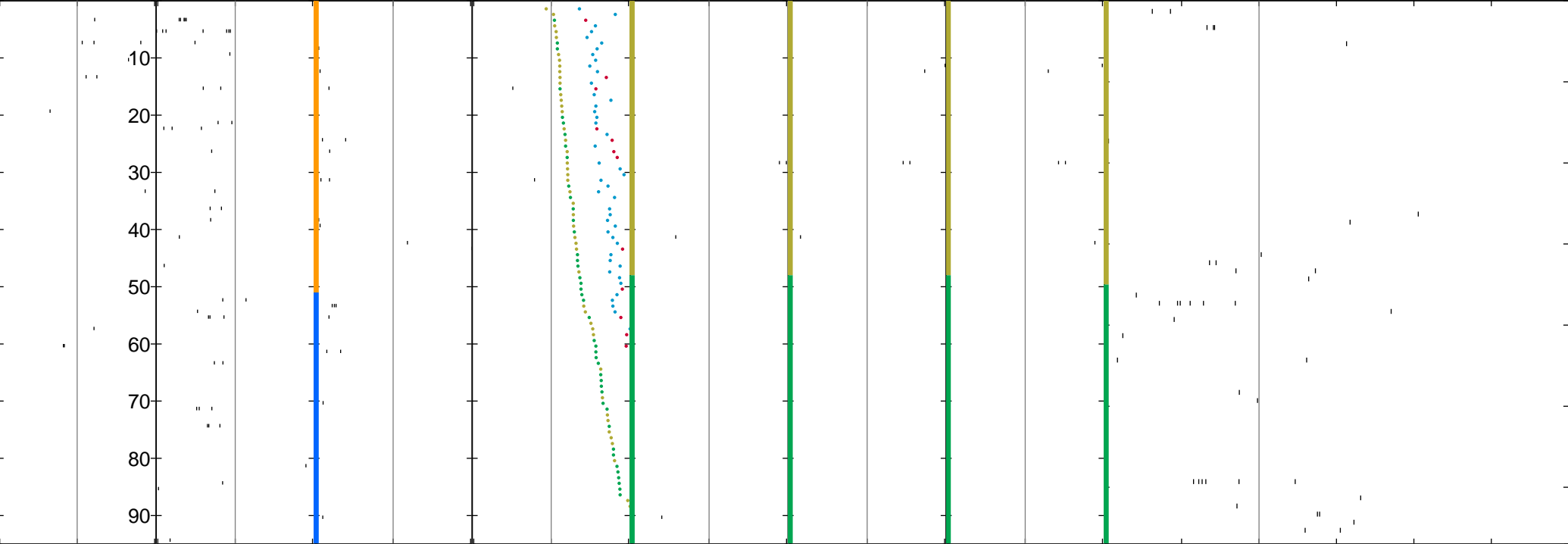
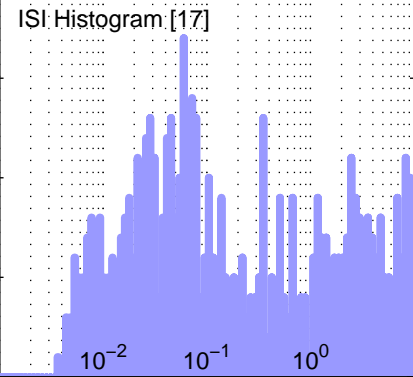
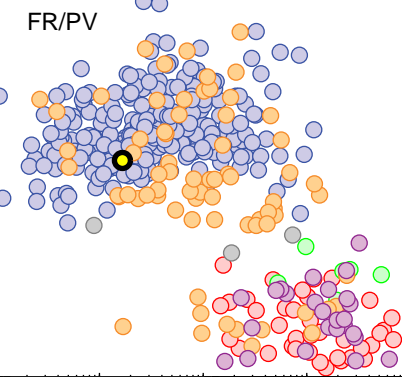
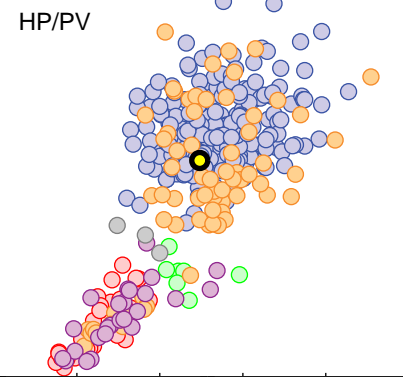
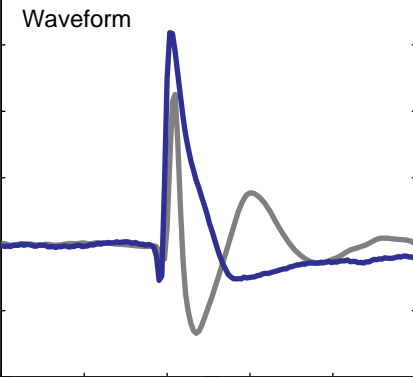
5
4
3
2
1



Cell: C0320070619T07b

AP: 0.96 ML: 3.6 DV: 5.8
w: 4 n: 708 $P_{ISI>2}$: 0.97
1/2pw: 248 μ s p->v: 779 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.167 Hz
Pk Ev: None
Pk FR: --

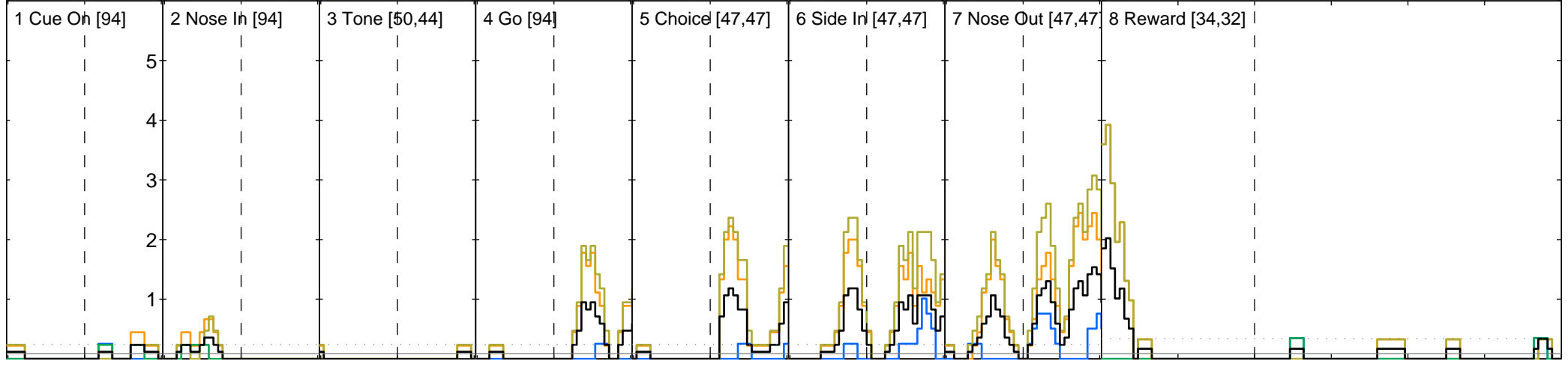
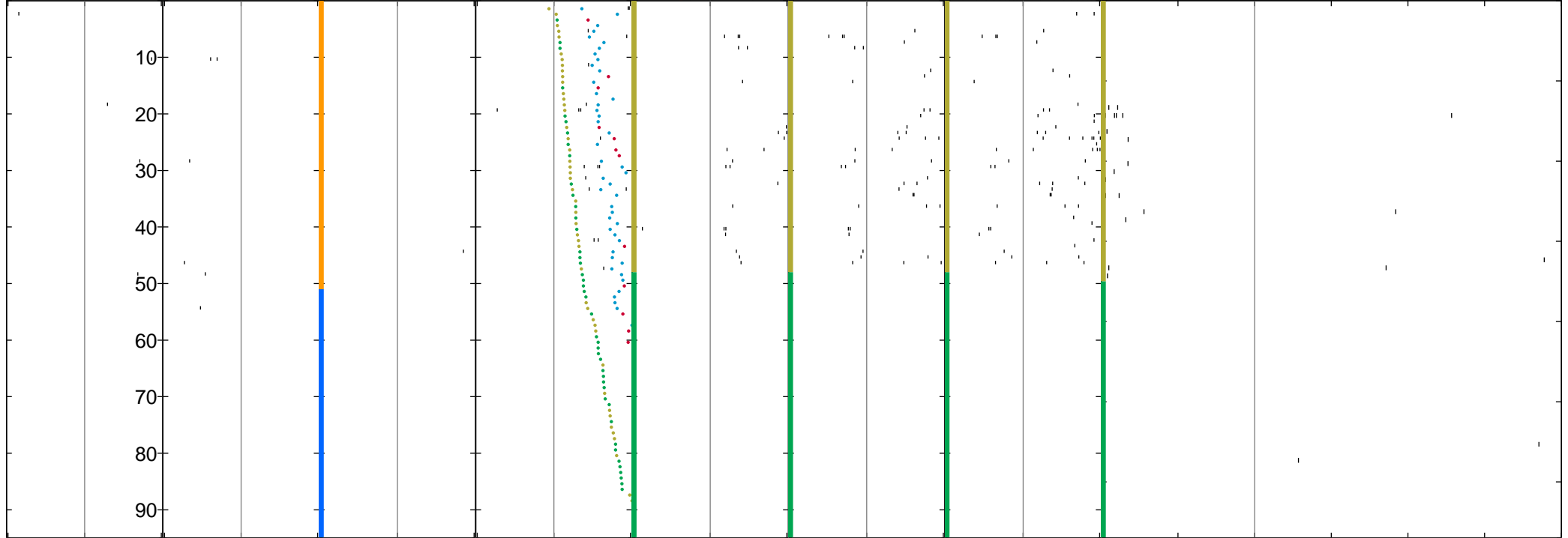
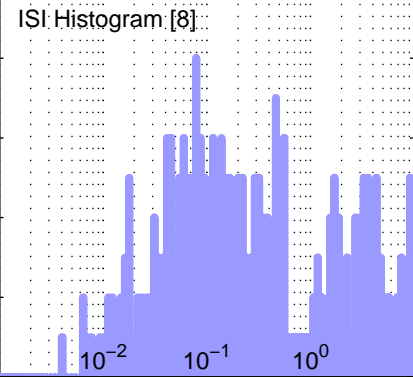
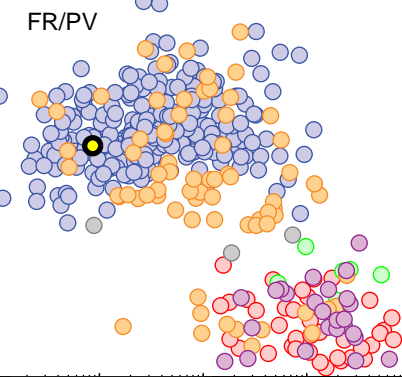
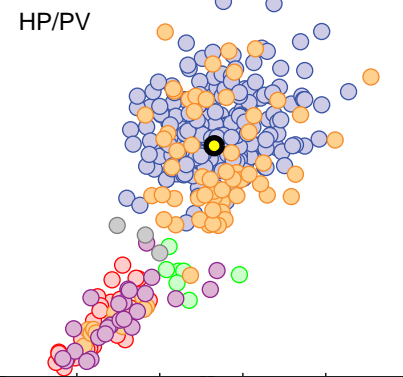
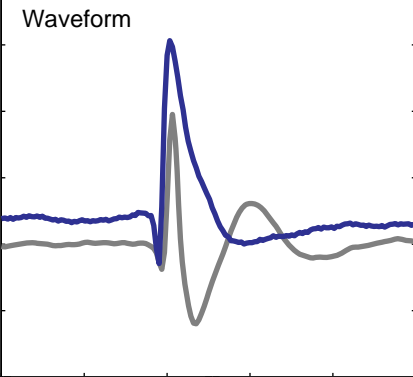
MSN



Cell: C0320070619T07c

AP: 0.96 ML: 3.6 DV: 5.8
w: 2 n: 362 $P_{ISI>2}$: 0.98
1/2pw: 266 μ s p->v: 826 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0858 Hz
Pk Ev: None
Pk FR: --

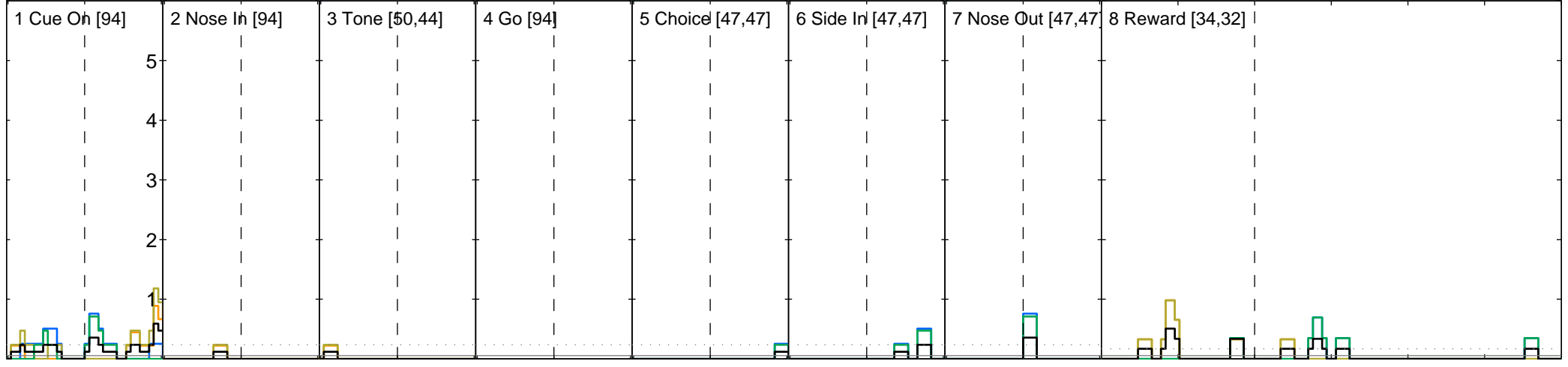
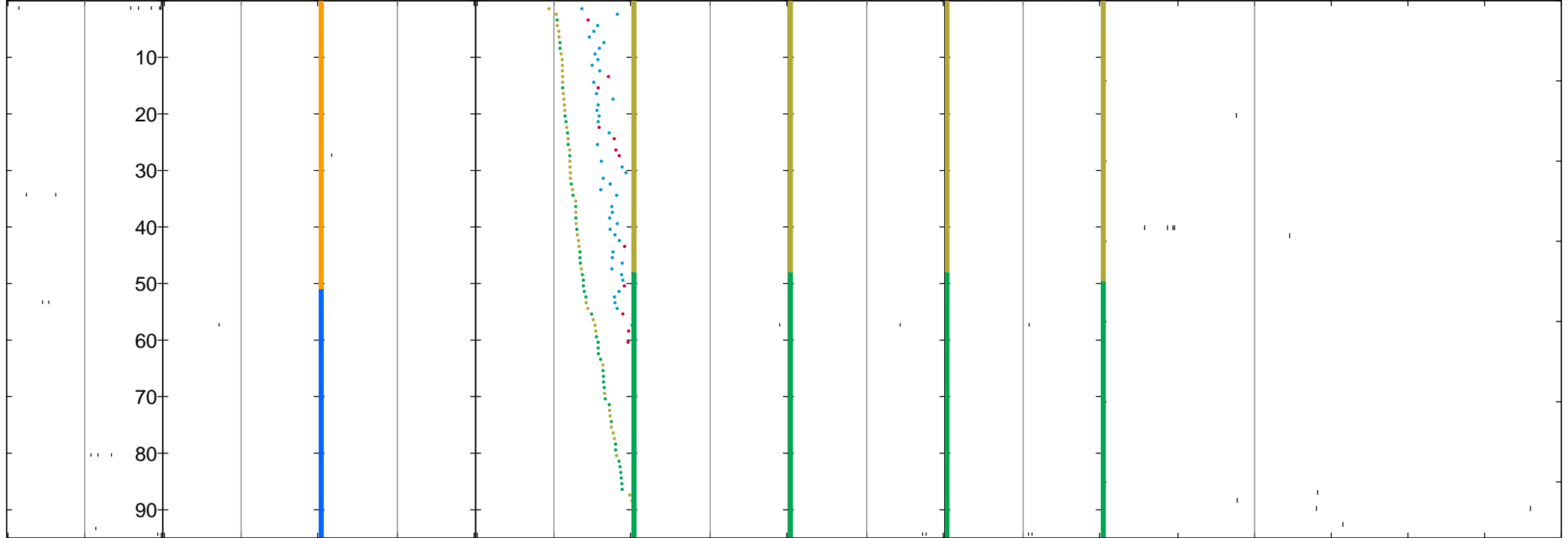
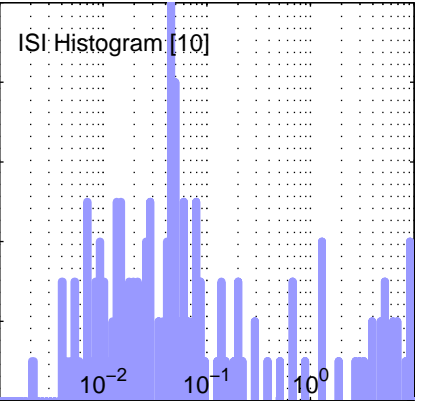
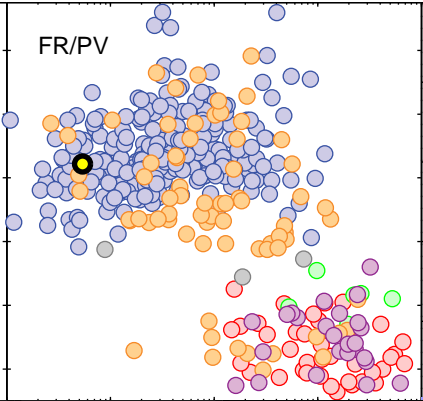
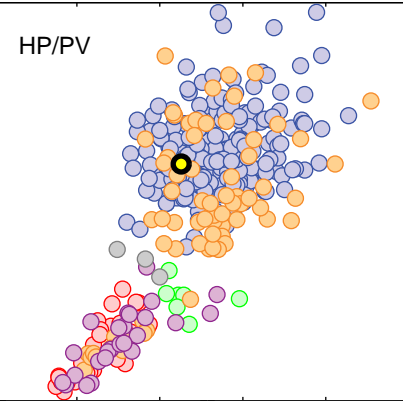
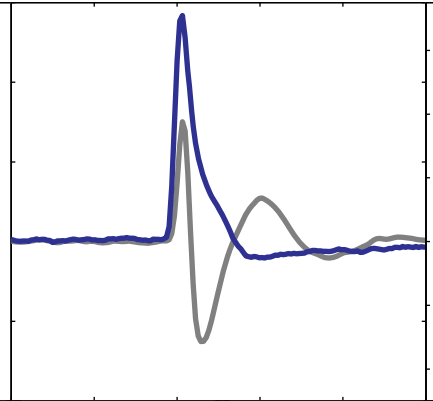
MSN



Cell: C0320070619T07d

AP: 0.96 ML: 3.6 DV: 5.8
w: 2 n: 227 $P_{ISI>2}$: 1
1/2pw: 226 μ s p->v: 843 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0538 Hz
Pk Ev: None
Pk FR: --

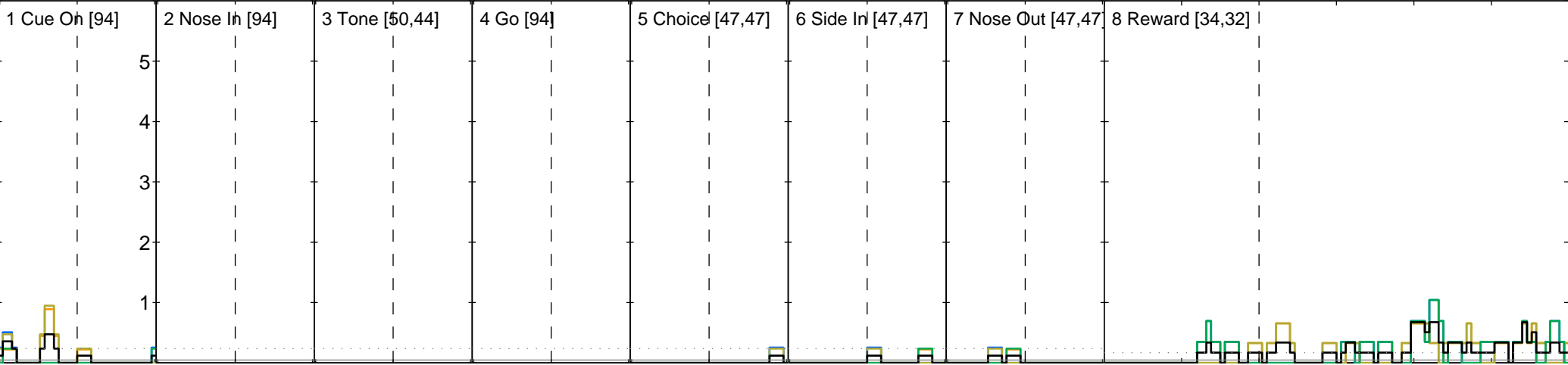
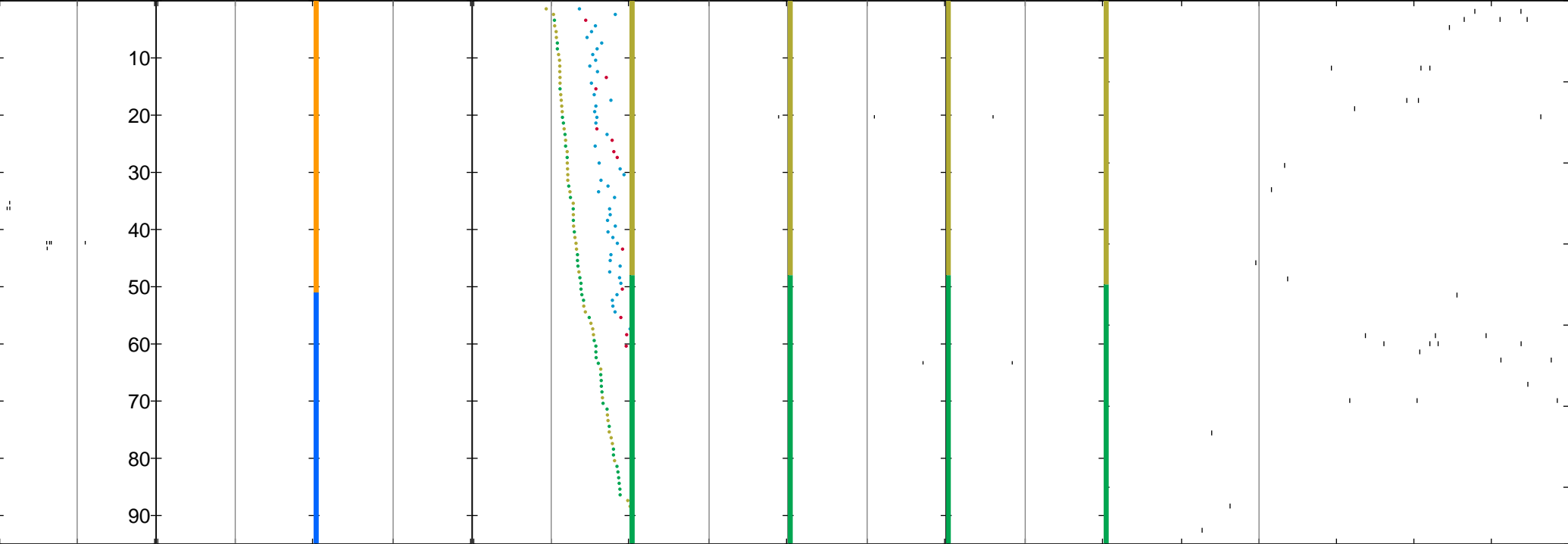
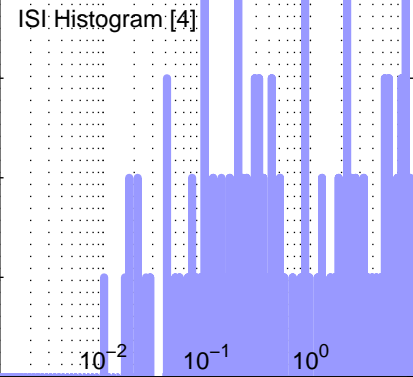
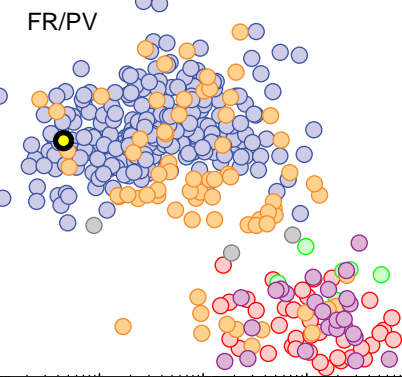
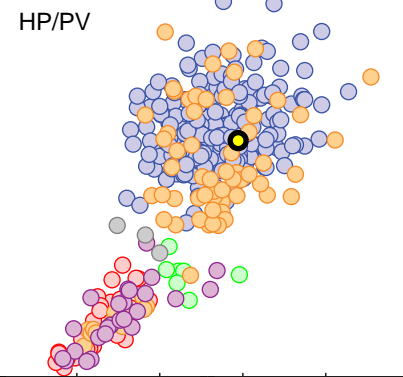
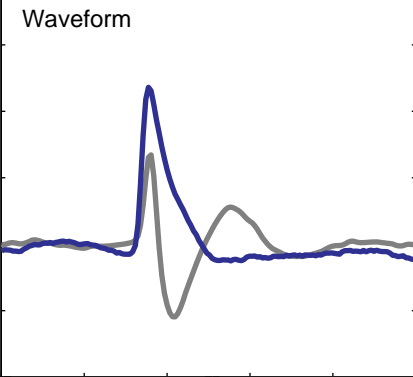
MSN



Cell: C0320070619T09c

AP: 1.6 ML: 3.7 DV: 5
w: 2 n: 189 $P_{ISI>2}$: 0.99
1/2pw: 294 μ s p->v: 842 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0452 Hz
Pk Ev: None
Pk FR: --

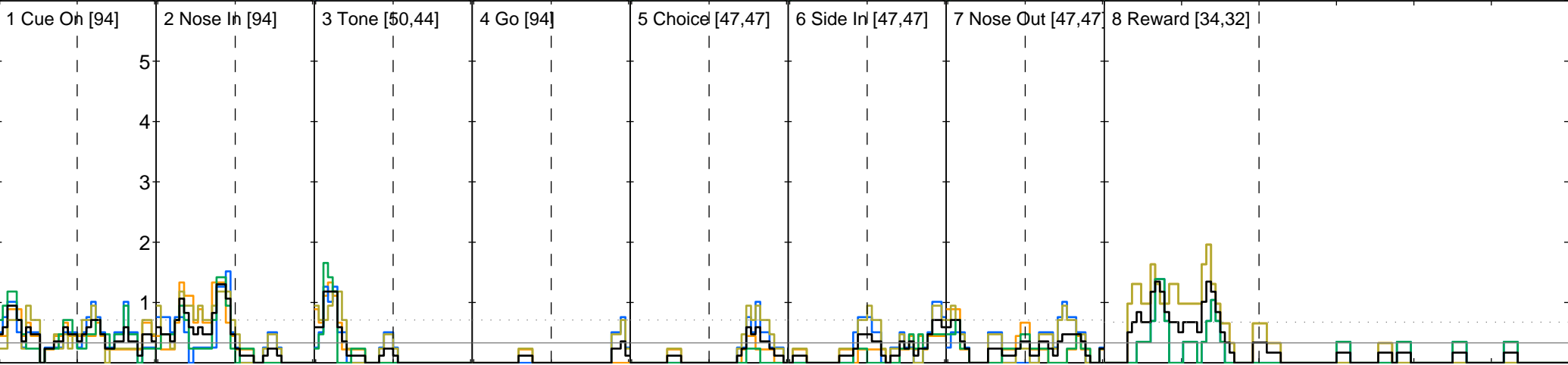
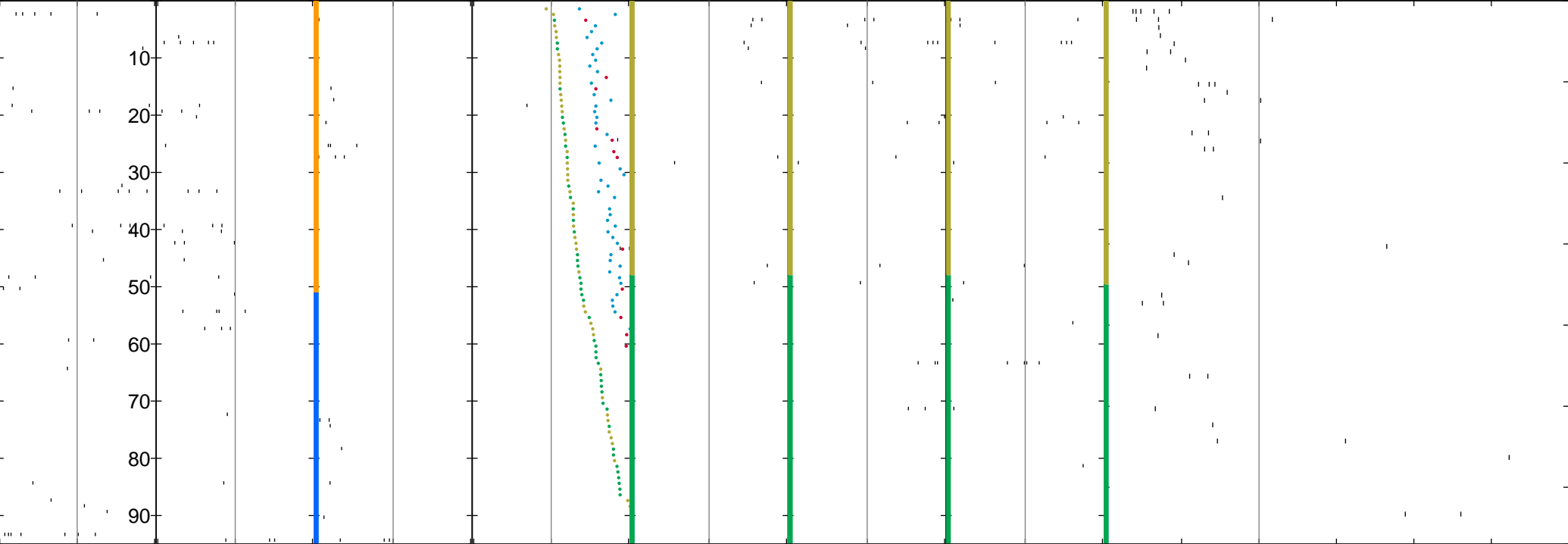
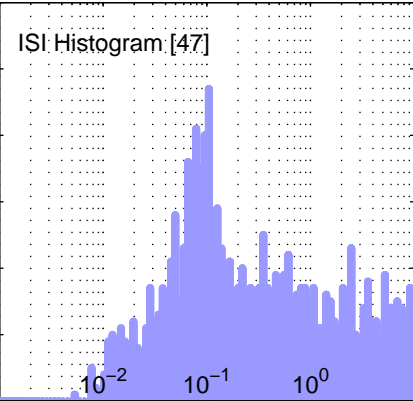
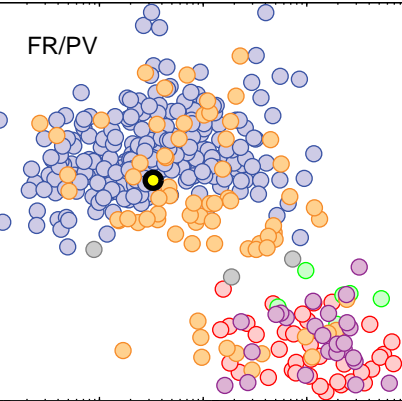
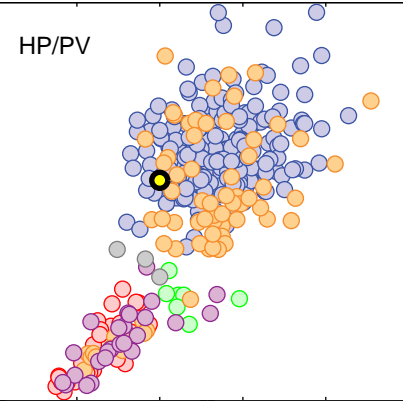
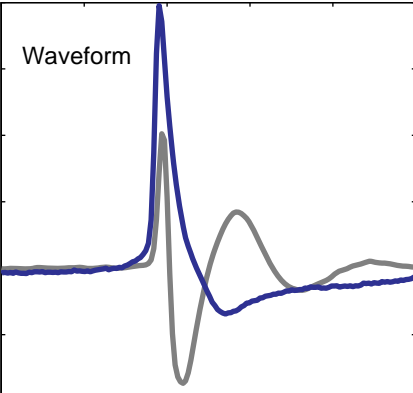
MSN



Cell: C0320070619T09F

AP: 1.6 ML: 3.7 DV: 5
w: 3 n: 1404 $P_{ISI>2}$: 0.92
1/2pw: 200 μ s p->v: 792 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.331 Hz
Pk Ev: None
Pk FR: --

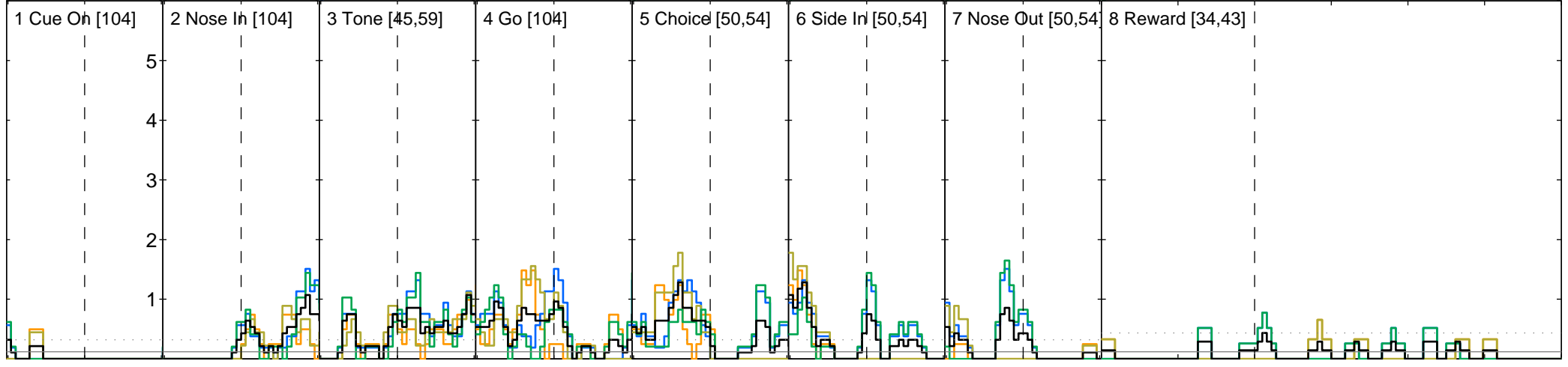
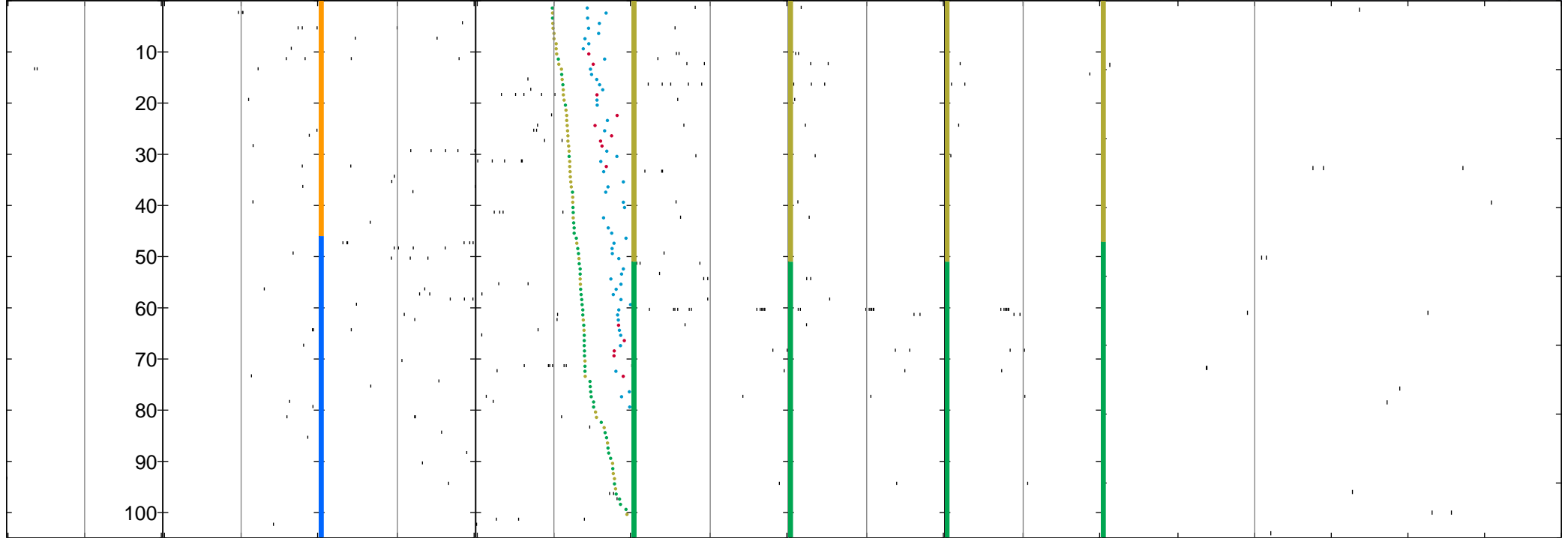
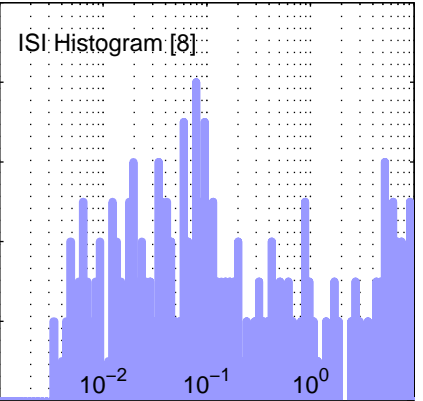
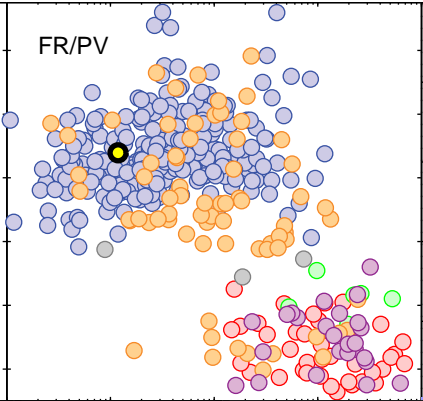
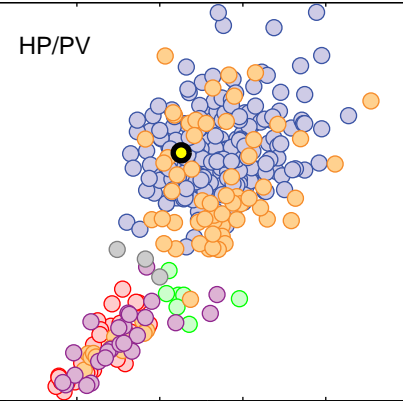
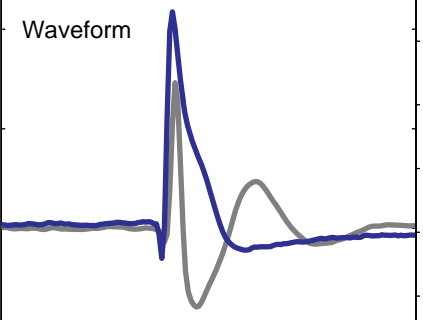
MSN



Cell: C0320070621T07c

AP: 0.96 ML: 3.6 DV: 6
w: 4 n: 349 $P_{ISI>2}$: 0.98
1/2pw: 226 μ s p->v: 878 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.119 Hz
Pk Ev: None
Pk FR: --

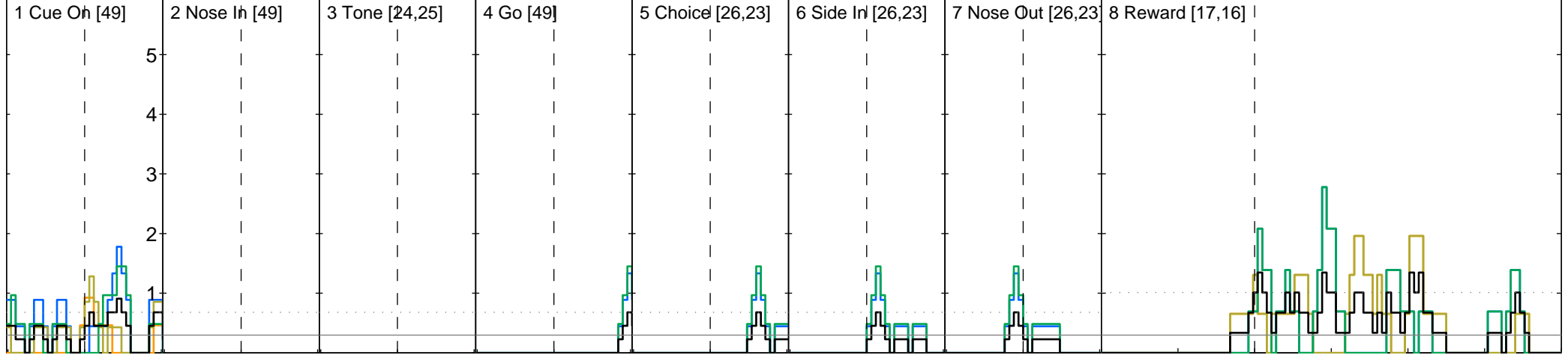
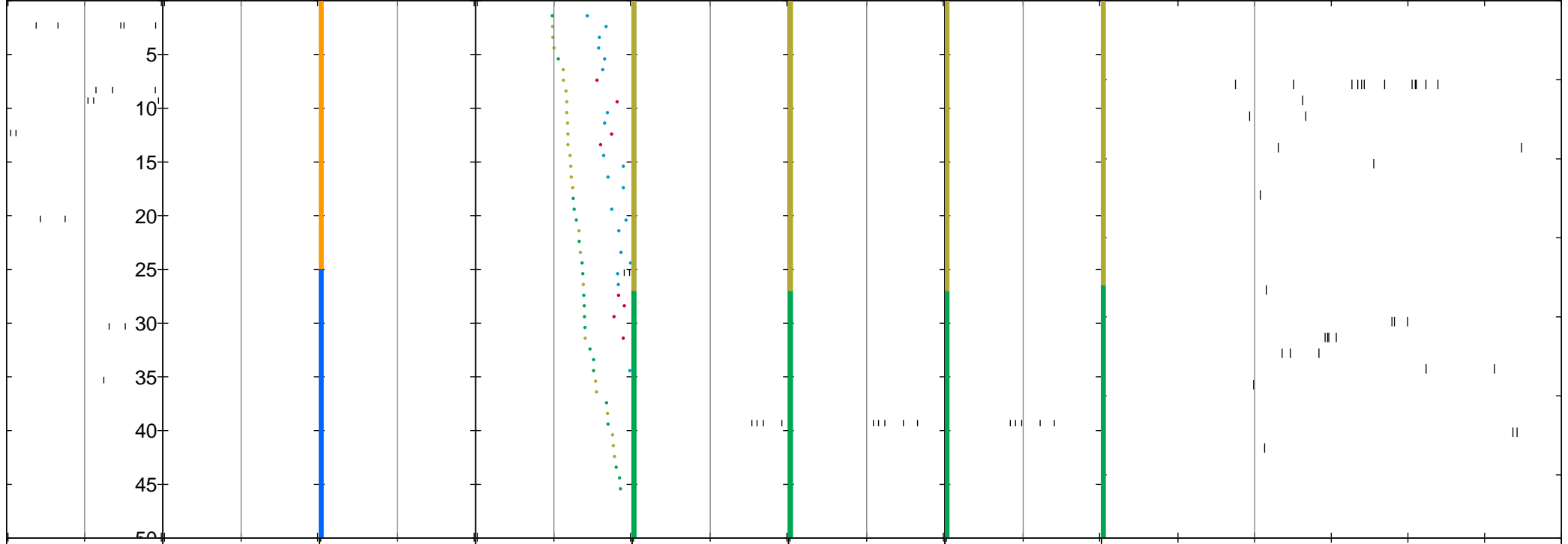
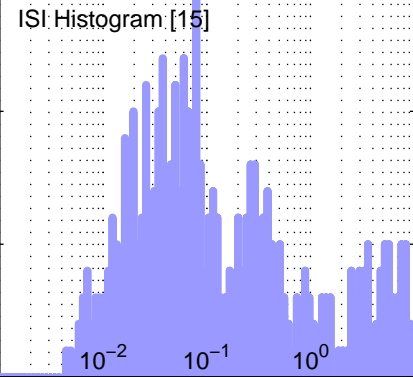
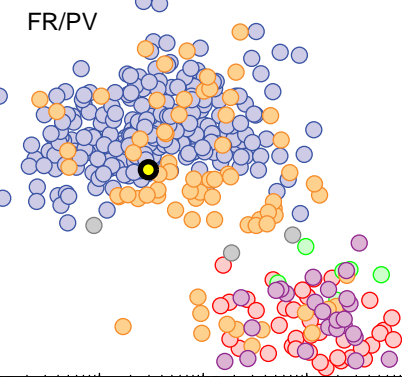
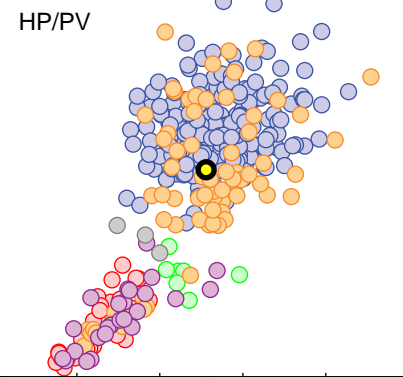
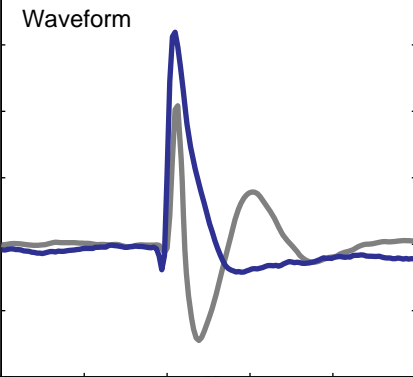
MSN



Cell: C0320070621T09a

AP: 1.6 ML: 3.7 DV: 5.1
w: 2 n: 429 $P_{ISI>2}$: 0.96
1/2pw: 256 μ s p->v: 750 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.297 Hz
Pk Ev: None
Pk FR: --

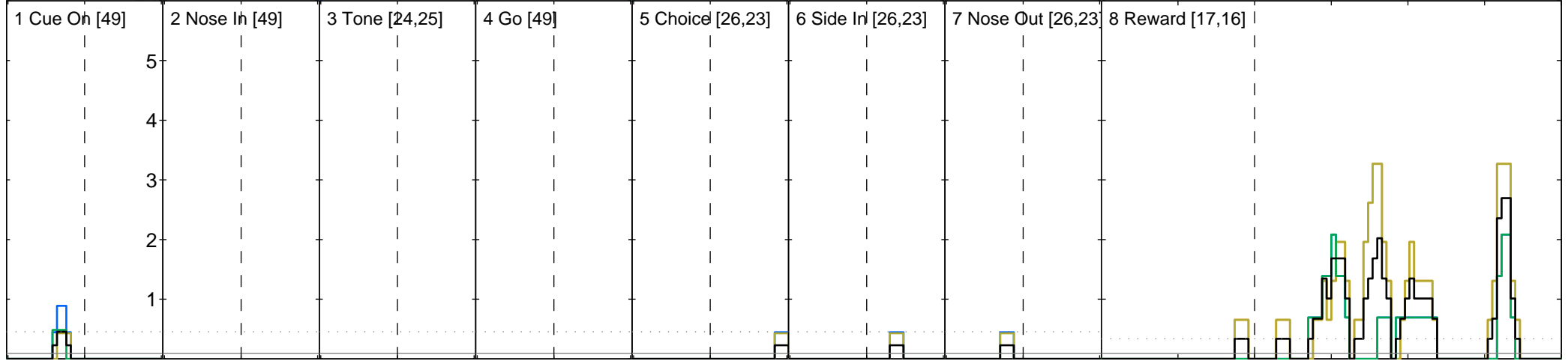
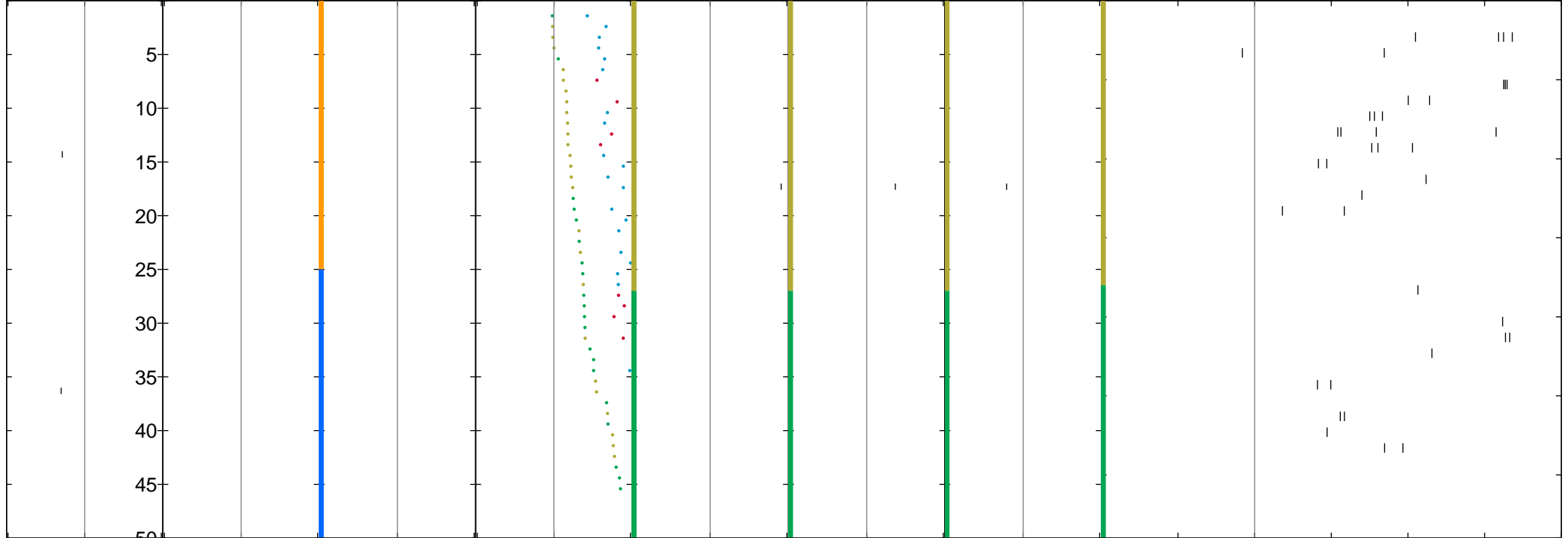
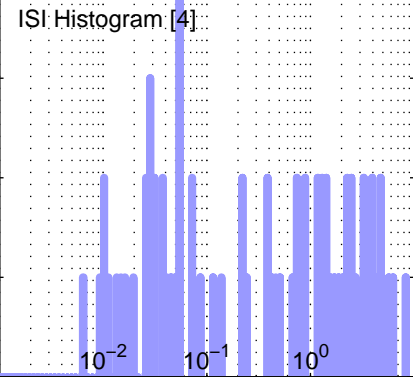
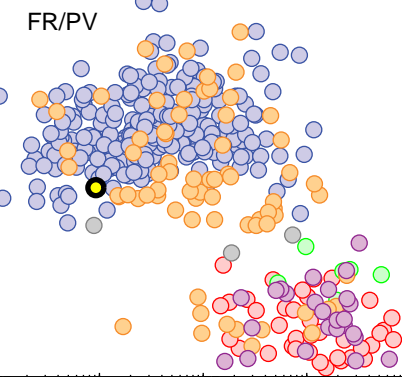
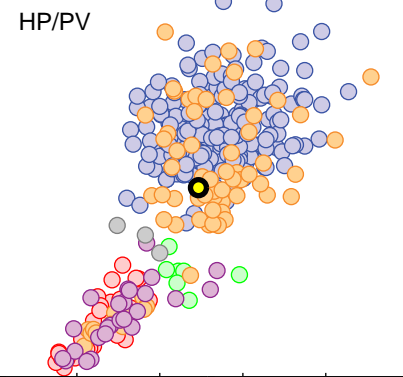
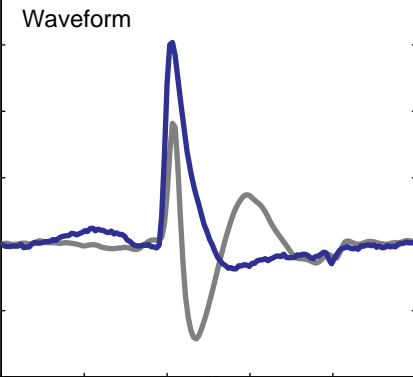
MSN



Cell: C0320070621T09b

AP: 1.6 ML: 3.7 DV: 5.1
w: 2 n: 110 $P_{ISI>2}$: 0.98
1/2pw: 246 μ s p->v: 694 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0925 Hz
Pk Ev: None
Pk FR: --

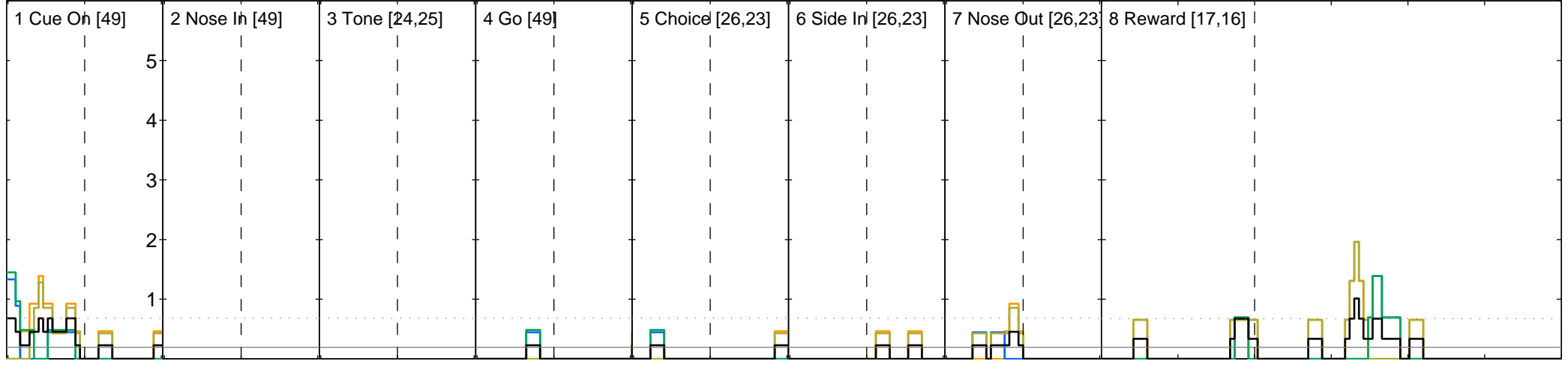
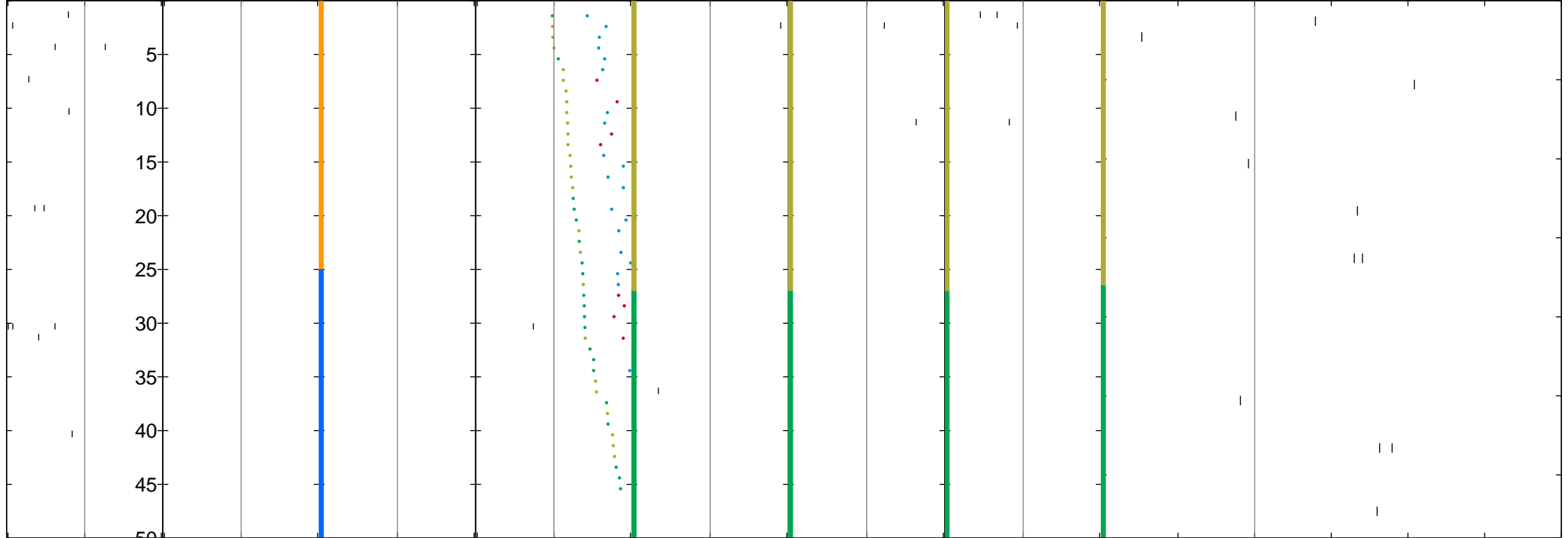
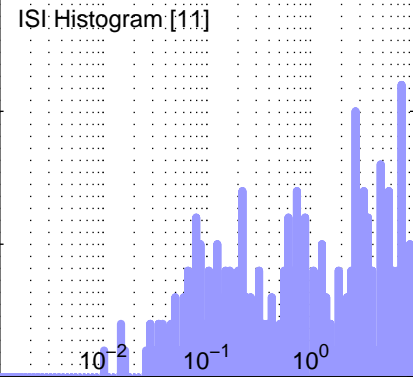
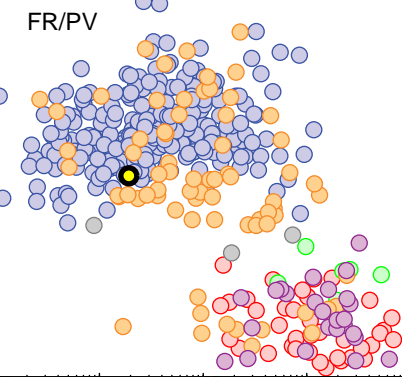
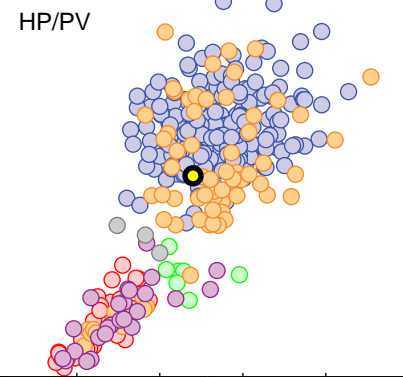
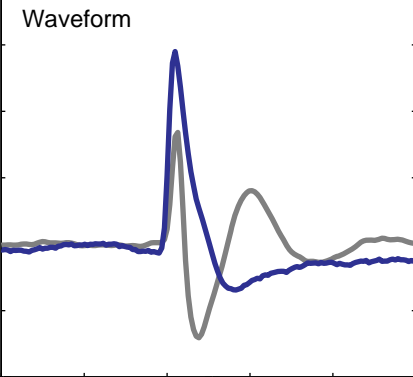
MSN



Cell: C0320070621T09c

AP: 1.6 ML: 3.7 DV: 5.1
w: 2 n: 278 $P_{ISI>2}$: 0.95
1/2pw: 240 μ s p->v: 731 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.193 Hz
Pk Ev: None
Pk FR: --

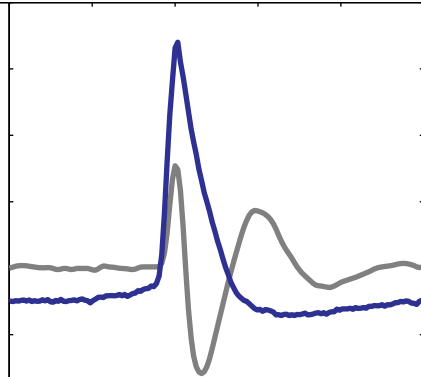
MSN



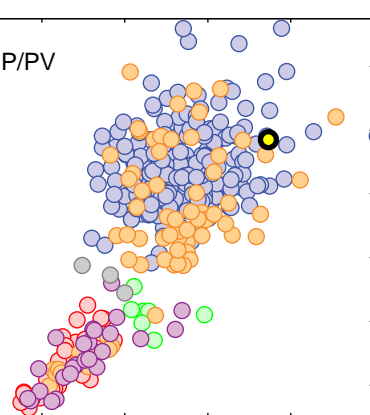
Cell: C0320070622T07b

AP: 0.96 ML: 3.6 DV: 6.1
w: 2 n: 3086 $P_{ISI>2}$: 0.72
1/2pw: 373 μ s p->v: 970 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.78 Hz
Pk Ev: None
Pk FR: --

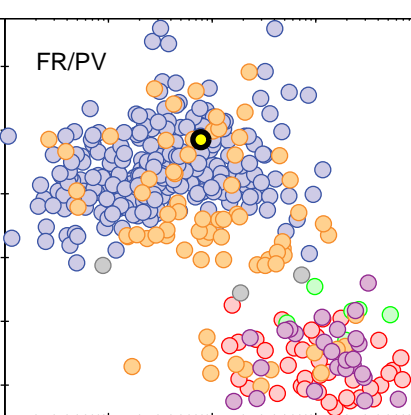
MSN



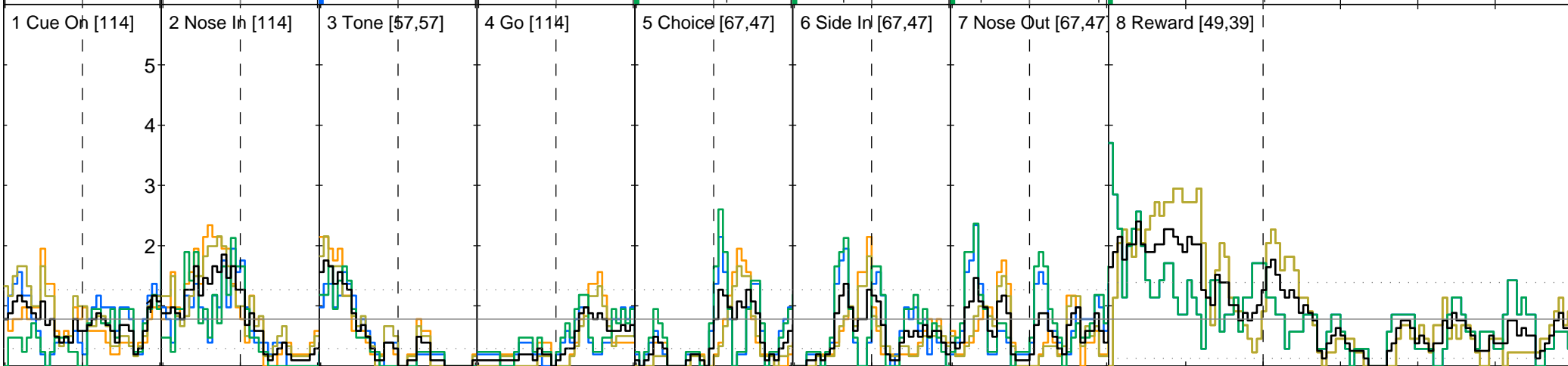
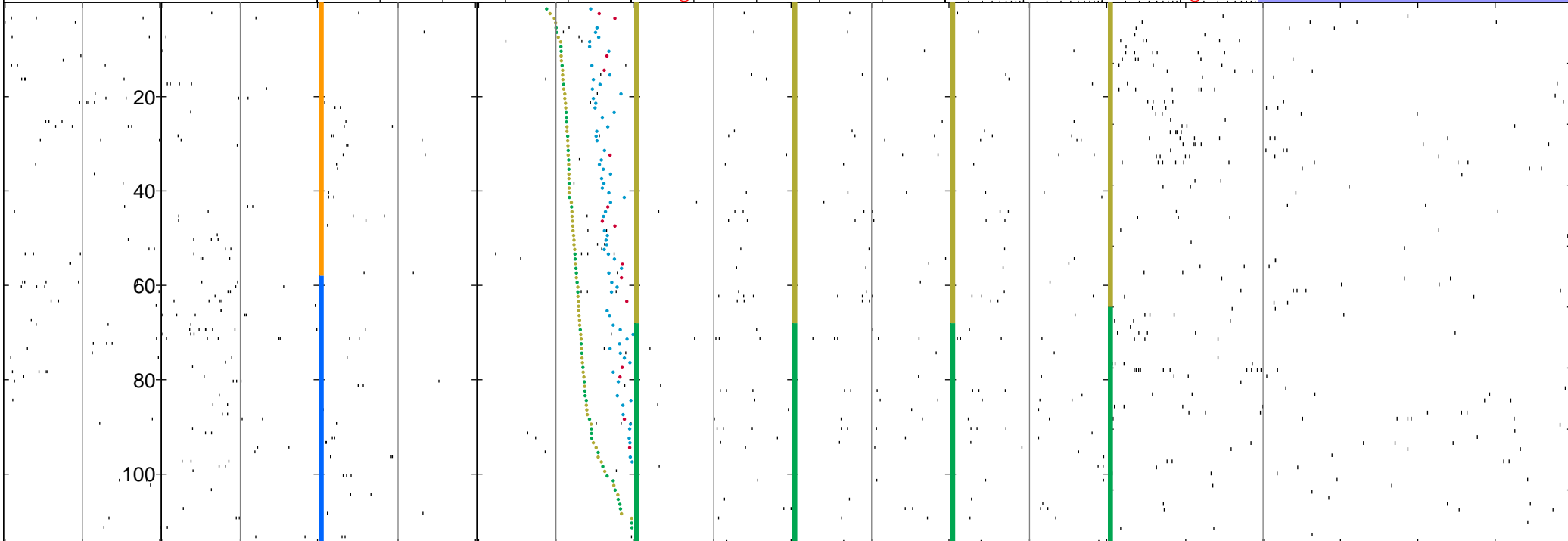
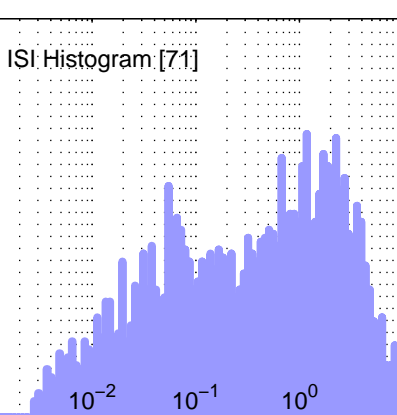
HP/PV



FR/PV



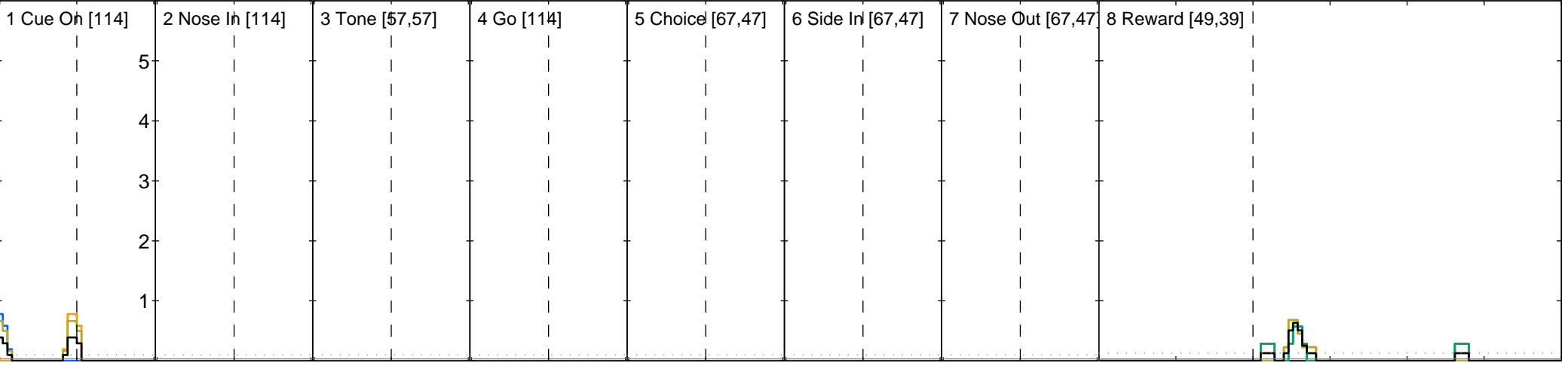
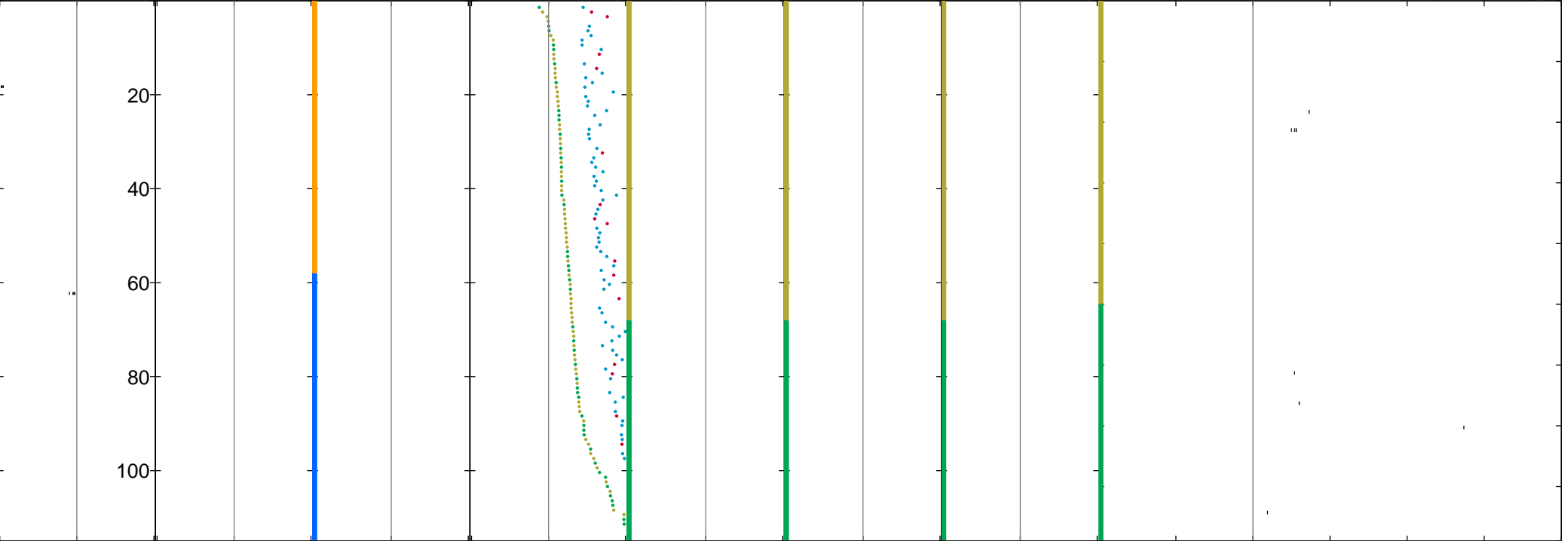
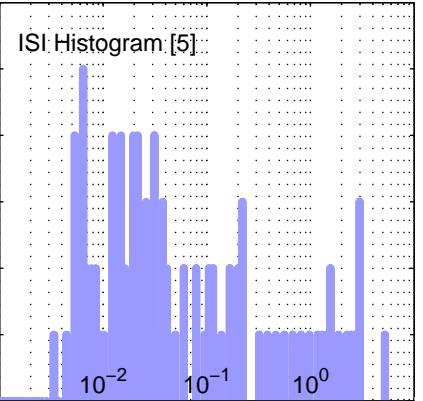
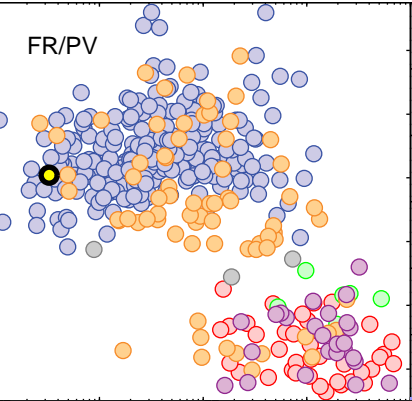
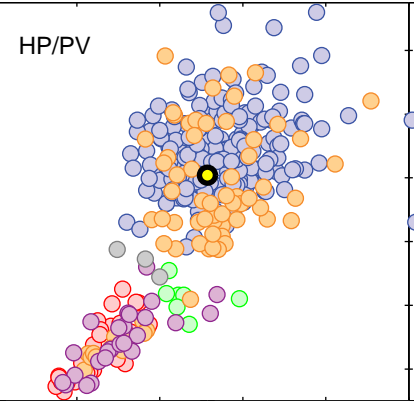
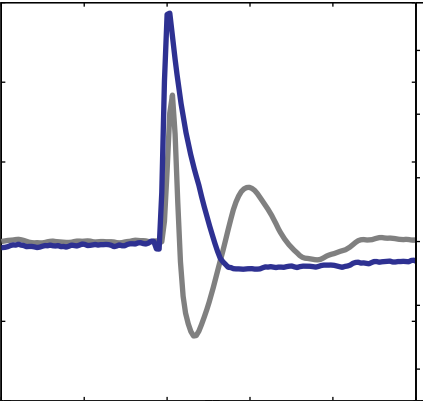
ISI Histogram [71]



Cell: C0320070622T11a

AP: -0.96 ML: 3.7 DV: 5.8
w: 1 n: 129 $P_{ISI>2}$: 1
1/2pw: 258 μ s p->v: 808 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0327 Hz
Pk Ev: None
Pk FR: --

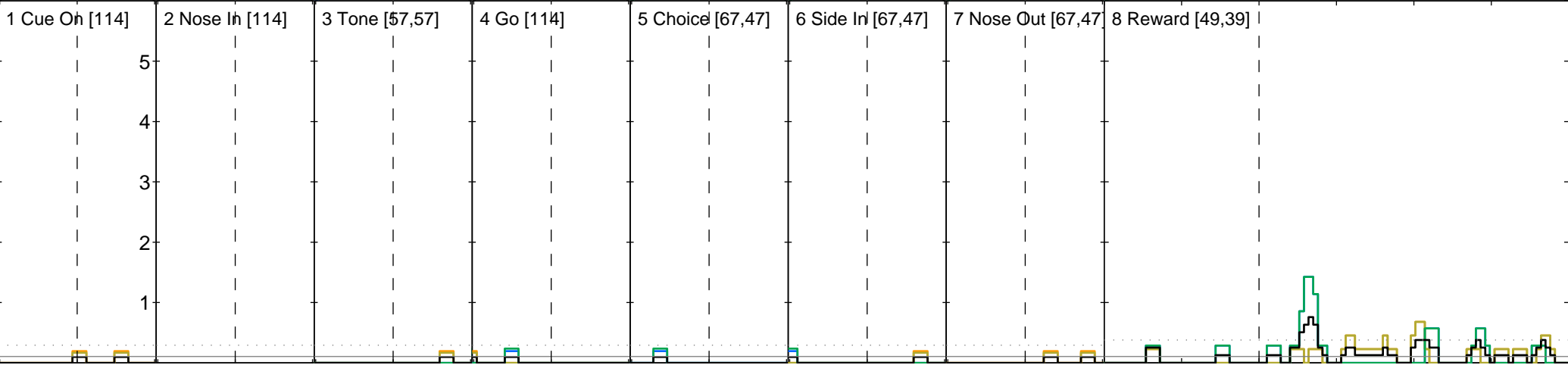
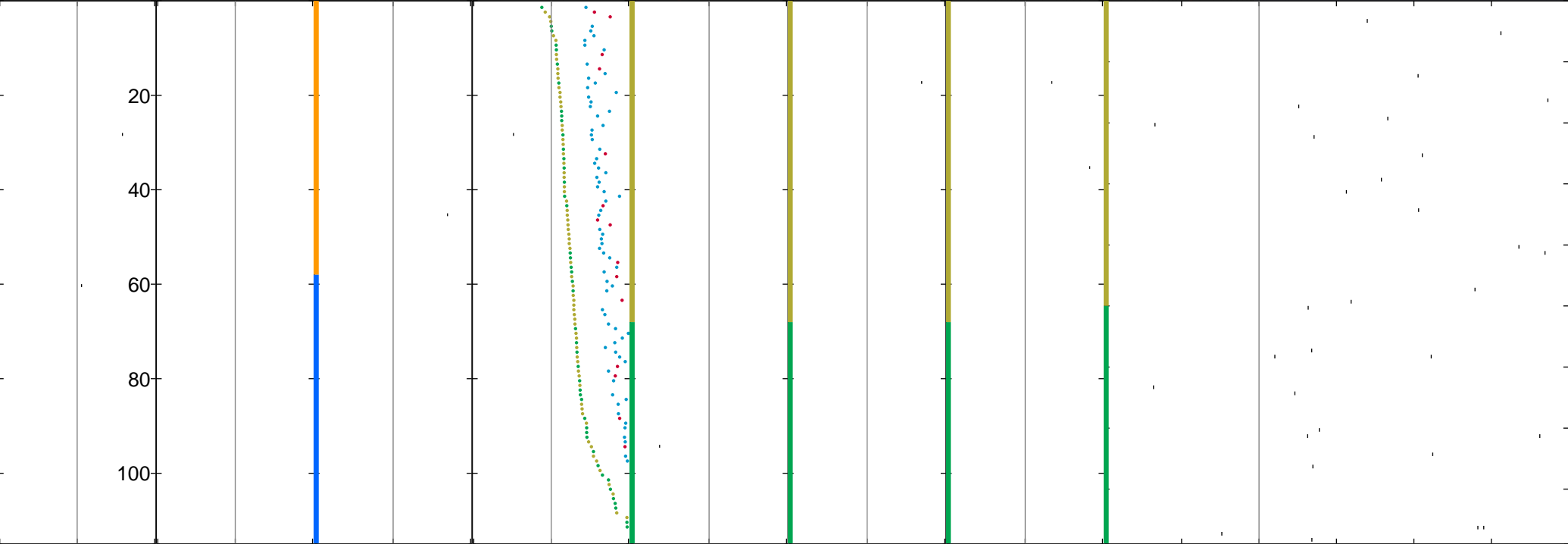
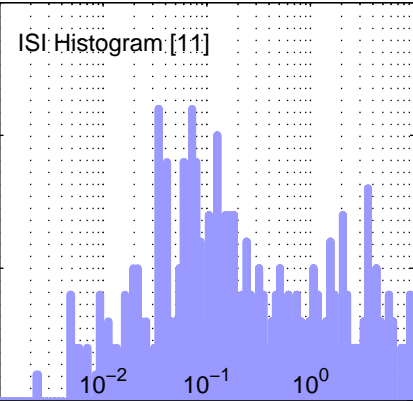
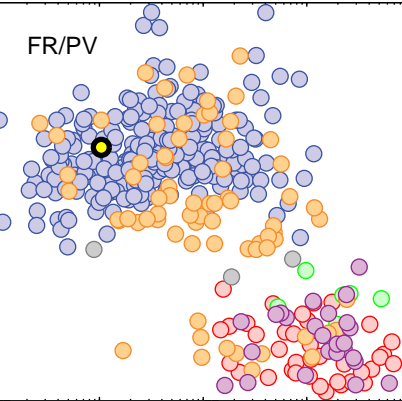
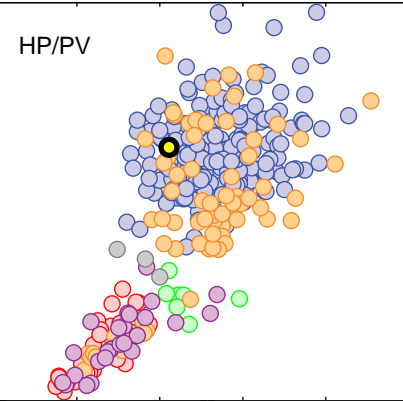
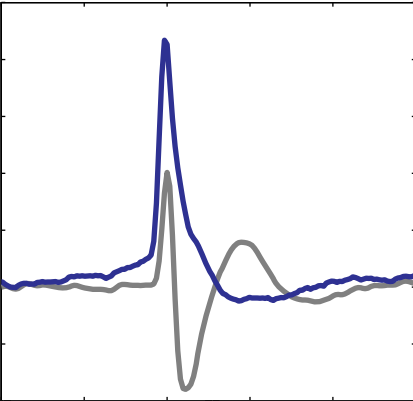
MSN



Cell: C0320070622T11d

AP: -0.96 ML: 3.7 DV: 5.8
w: 4 n: 409 $P_{ISI>2}$: 0.98
1/2pw: 211 μ s p->v: 896 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.105 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0320070623T07b

AP: 0.96 ML: 3.6 DV: 6.3

w: 3 n: 1429 $P_{ISI>2}$: 0.911/2pw: 285 μ s p \rightarrow v: 821 μ s β_T : -0.48 β_D : -2.2 β_P : 3.6 SI: NaN

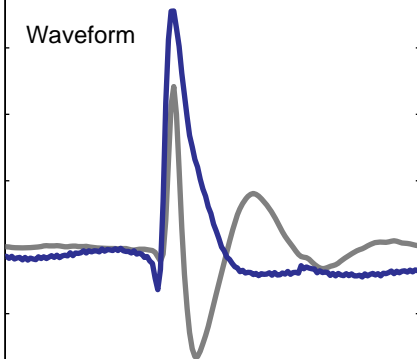
Session FR: 0.377 Hz

Pk Ev: None

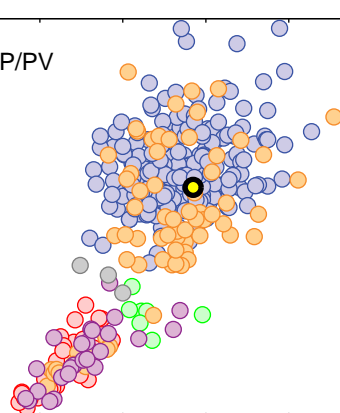
Pk FR: --

MSN

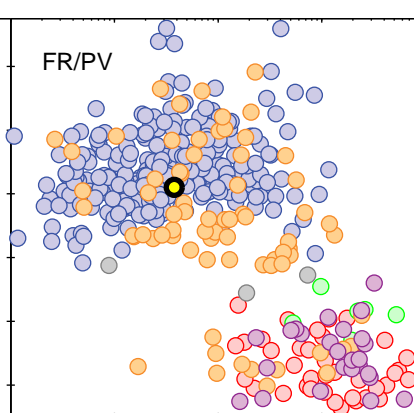
Waveform



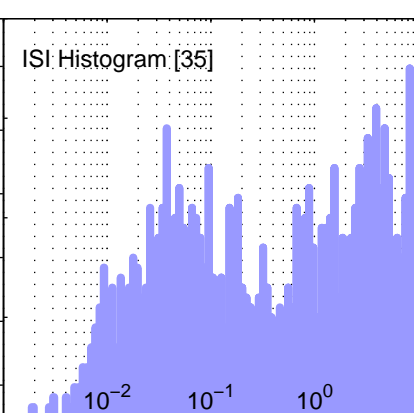
HP/PV



FR/PV



ISI Histogram [35]

10
20
30
40
50
60
70
80
90
100

1 Cue On [102]

2 Nose In [102]

3 Tone [52,50]

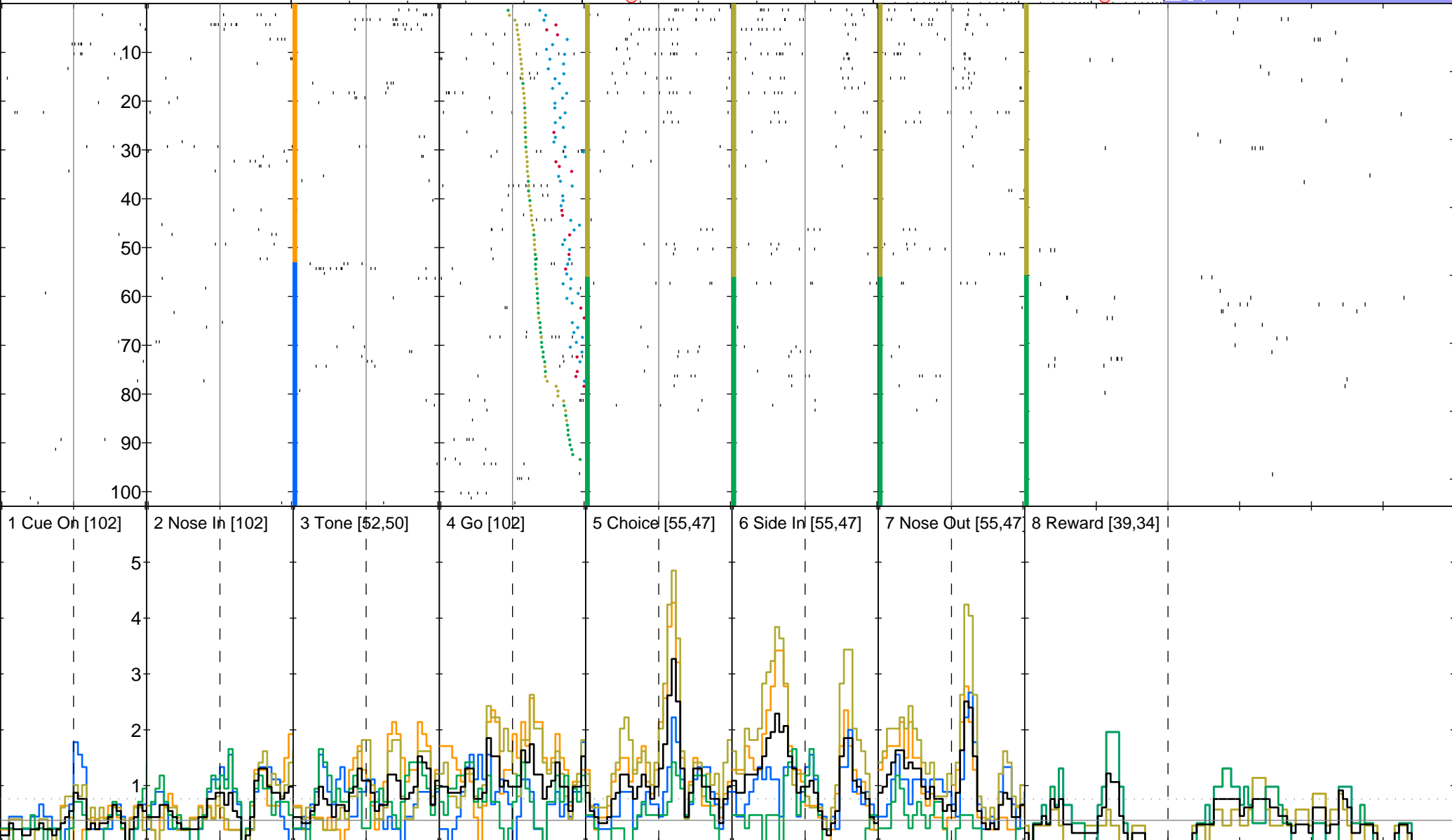
4 Go [102]

5 Choice [55,47]

6 Side In [55,47]

7 Nose Out [55,47]

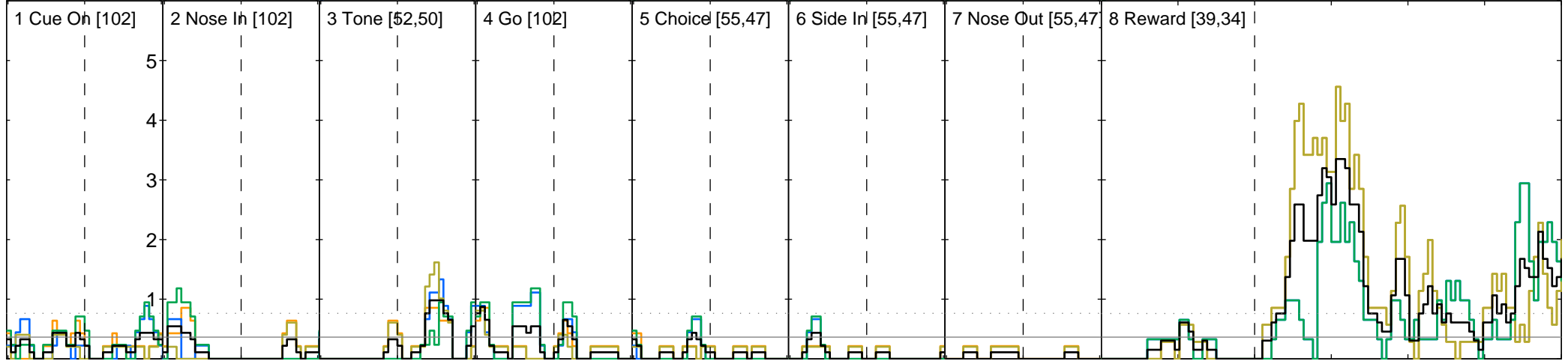
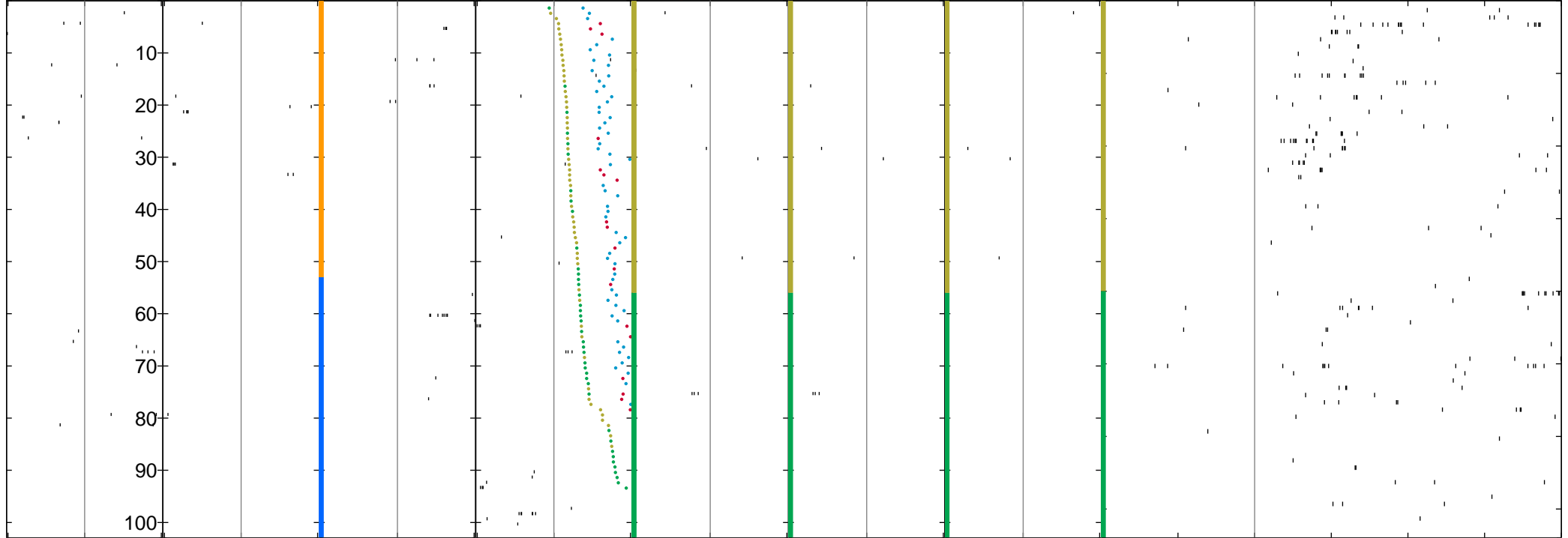
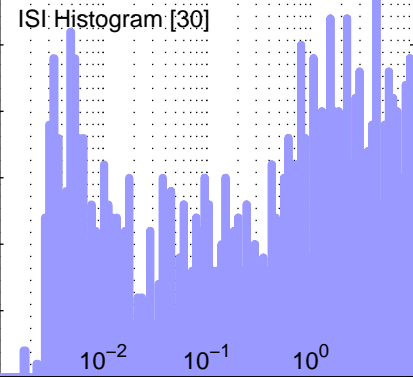
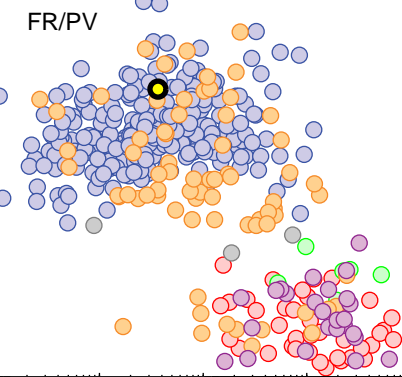
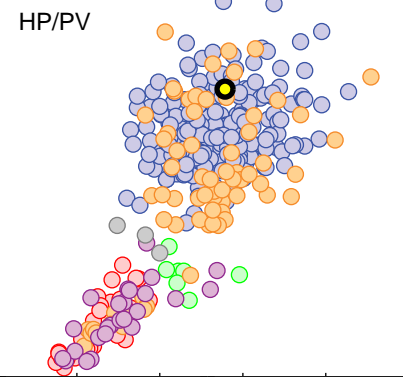
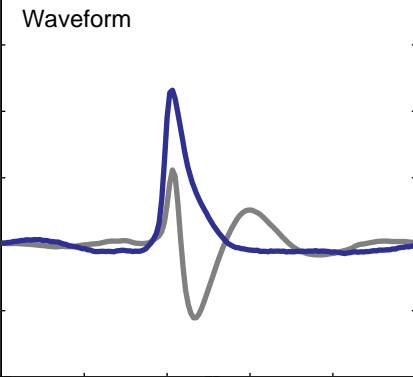
8 Reward [39,34]

5
4
3
2
1

Cell: C0320070623T07c

AP: 0.96 ML: 3.6 DV: 6.3
w: 4 n: 1372 $P_{ISI>2}$: 0.91
1/2pw: 278 μ s p->v: 1003 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.365 Hz
Pk Ev: None
Pk FR: --

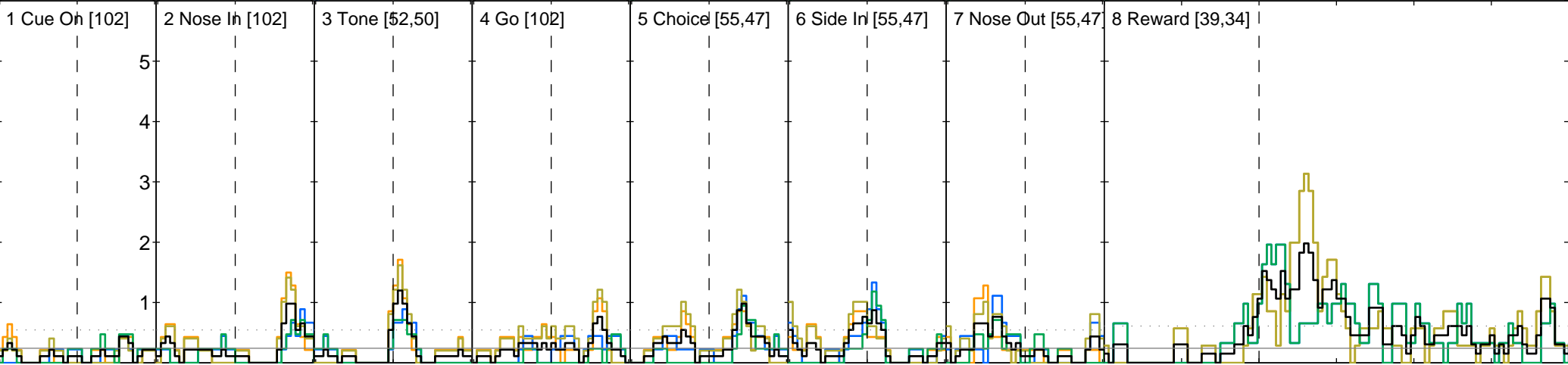
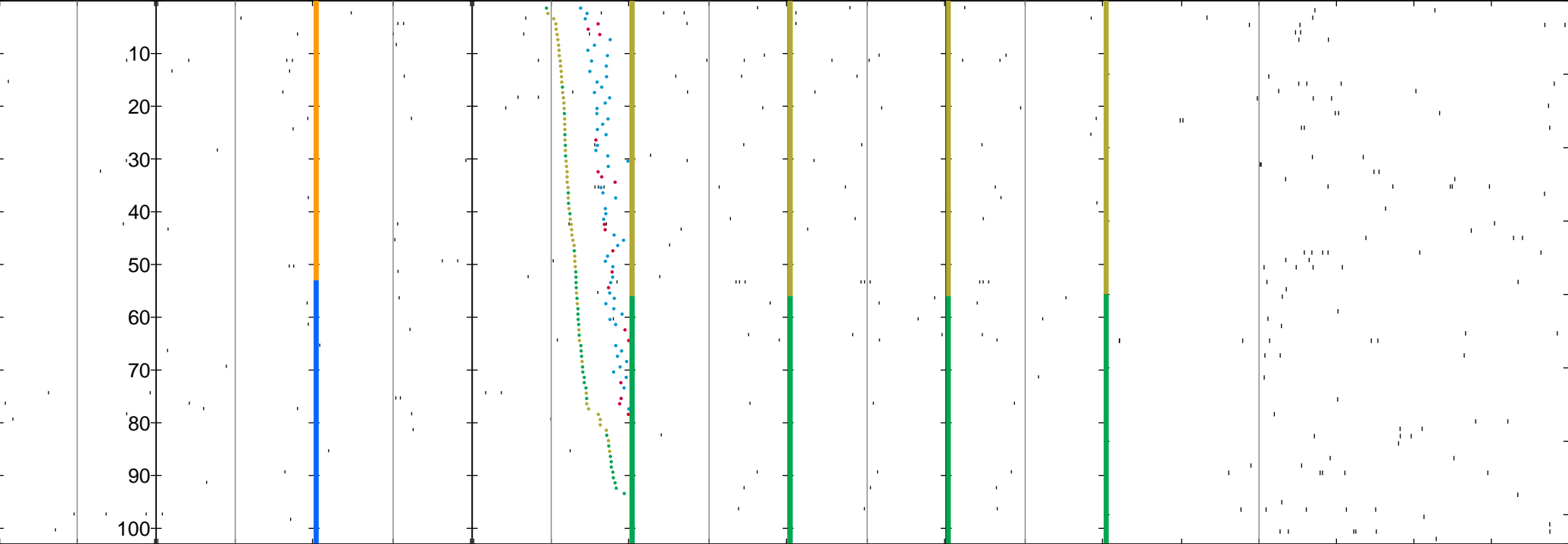
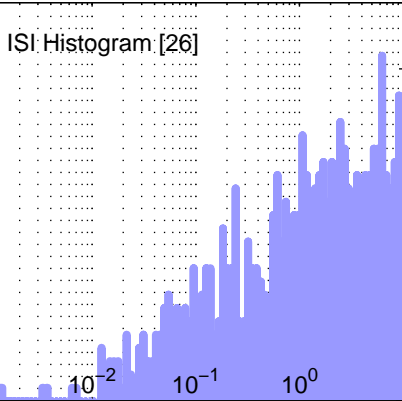
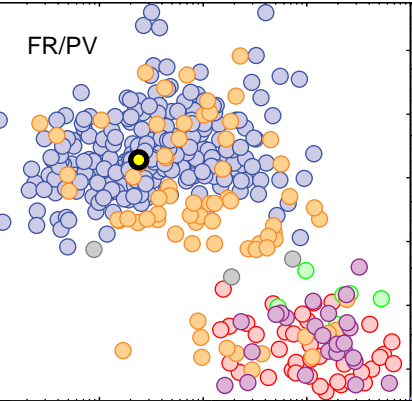
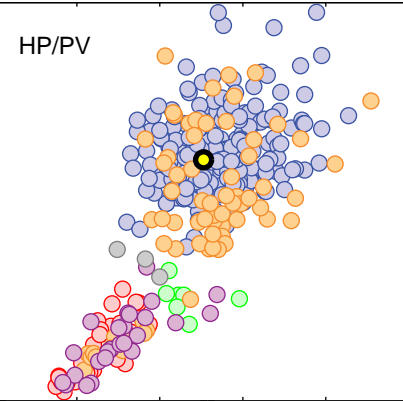
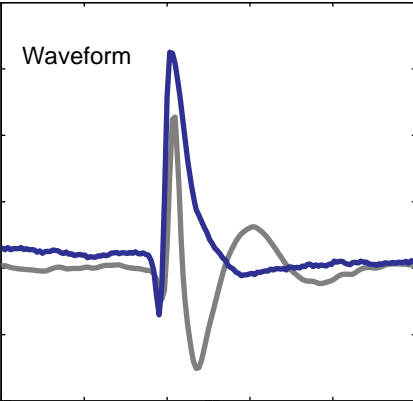
MSN



Cell: C0320070623T09a

AP: 1.6 ML: 3.7 DV: 5.3
w: 1 n: 907 $P_{ISI>2}$: 0.92
1/2pw: 253 μ s p->v: 856 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.24 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0320070623T09b

AP: 1.6 ML: 3.7 DV: 5.3

w: 1 n: 840 $P_{ISI>2}$: 0.951/2pw: 214 μ s p \rightarrow v: 1013 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

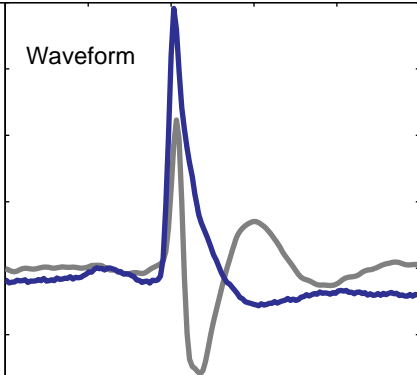
Session FR: 0.222 Hz

Pk Ev: None

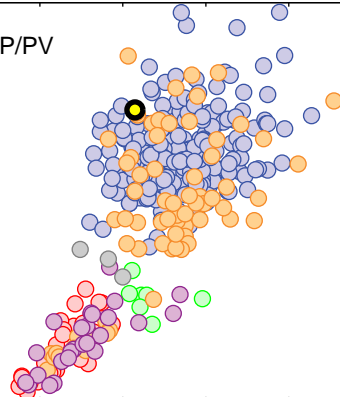
Pk FR: --

MSN

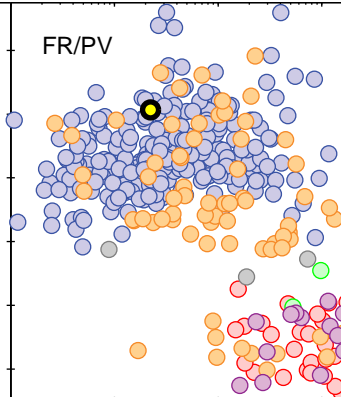
Waveform



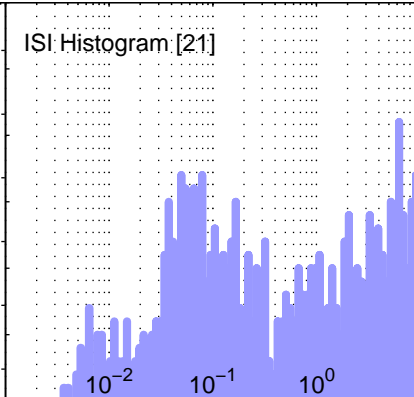
HP/PV



FR/PV



ISI Histogram [21]

10
20
30
40
50
60
70
80
90
100

1 Cue On [102]

2 Nose In [102]

3 Tone [52,50]

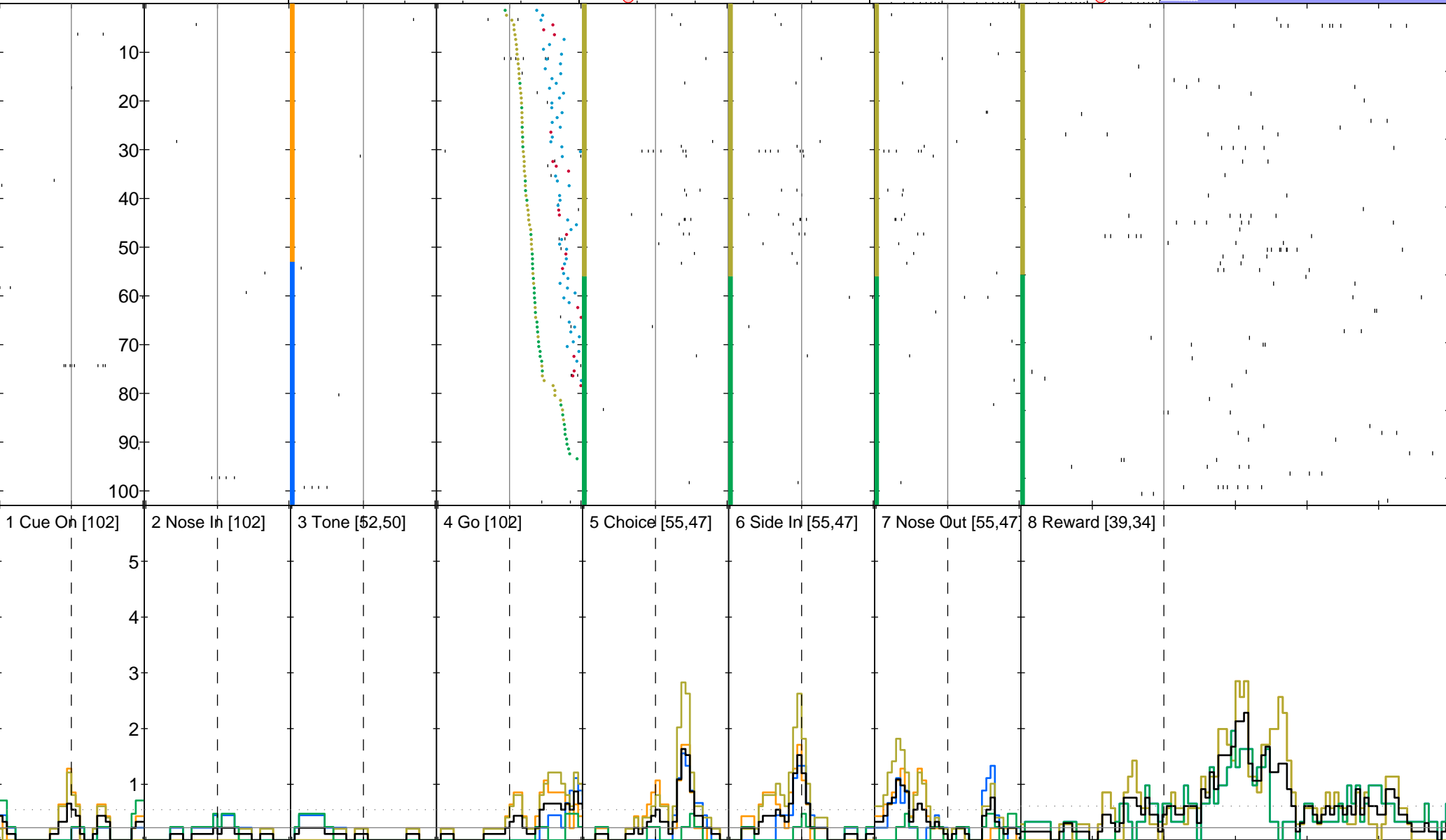
4 Go [102]

5 Choice [55,47]

6 Side In [55,47]

7 Nose Out [55,47]

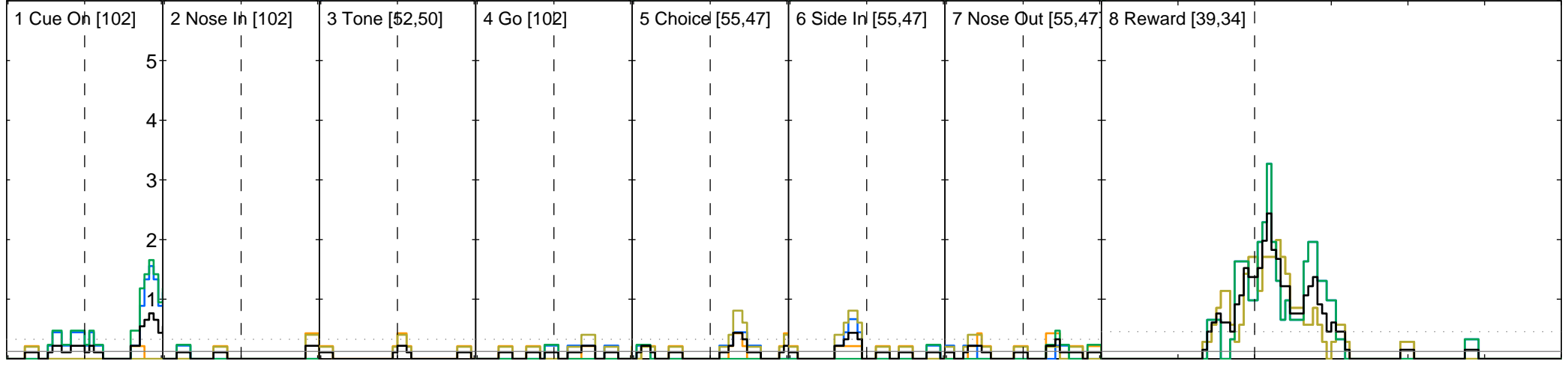
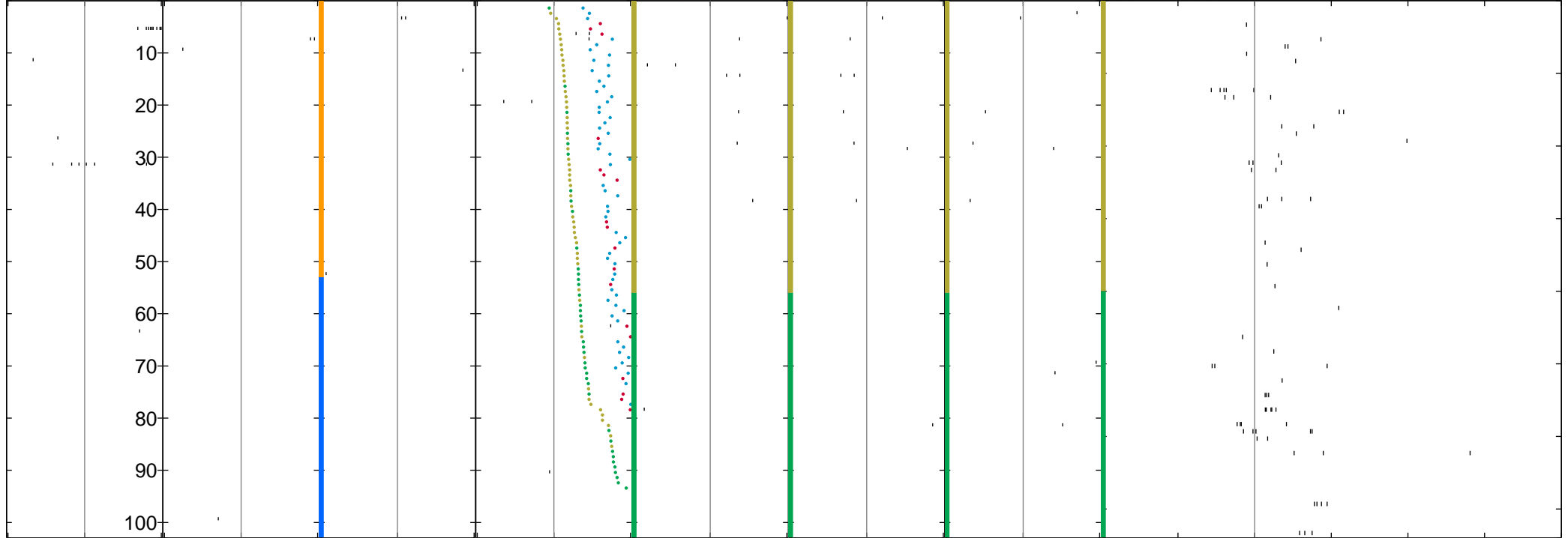
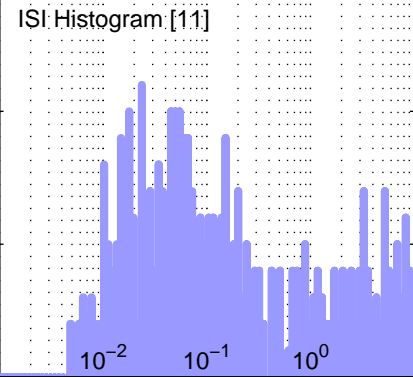
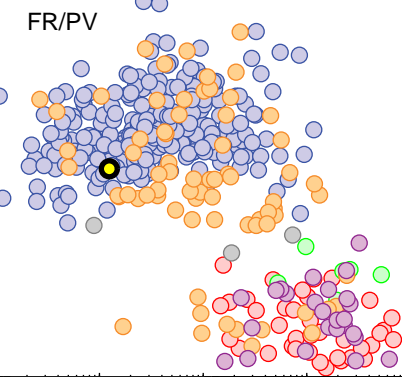
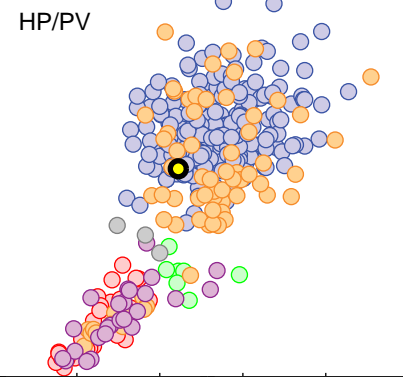
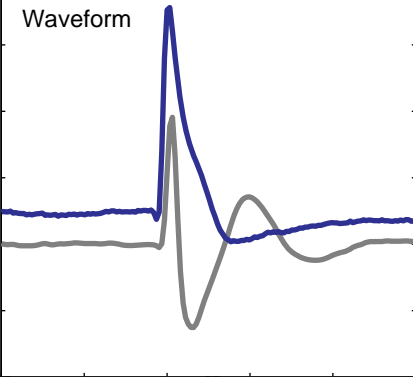
8 Reward [39,34]

5
4
3
2
1

Cell: C0320070623T09F

AP: 1.6 ML: 3.7 DV: 5.3
w: 3 n: 473 $P_{ISI>2}$: 0.98
1/2pw: 222 μ s p->v: 754 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.125 Hz
Pk Ev: None
Pk FR: --

MSN

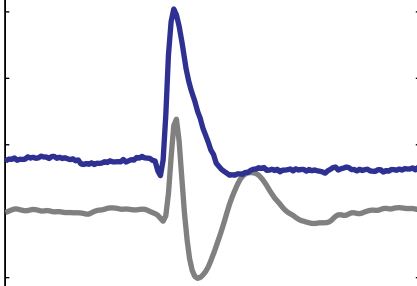


Cell: C0320070623T09g

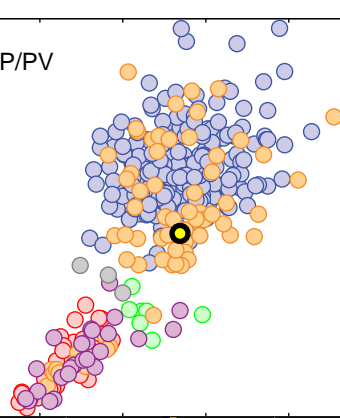
AP: 1.6 ML: 3.7 DV: 5.3
w: 3 n: 183 $P_{ISI>2}$: 0.99
1/2pw: 269 μ s p->v: 675 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0482 Hz
Pk Ev: None
Pk FR: --

MSN

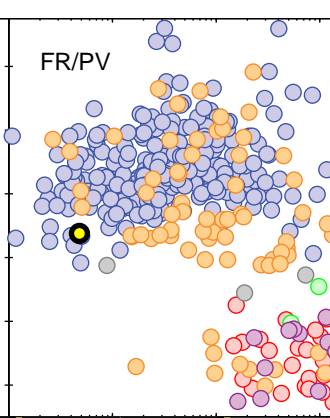
Waveform



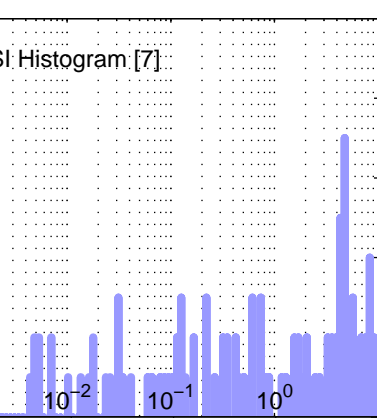
HP/PV



FR/PV



ISI Histogram [7]



10
20
30
40
50
60
70
80
90
100

1 Cue On [102]

2 Nose In [102]

3 Tone [52,50]

4 Go [102]

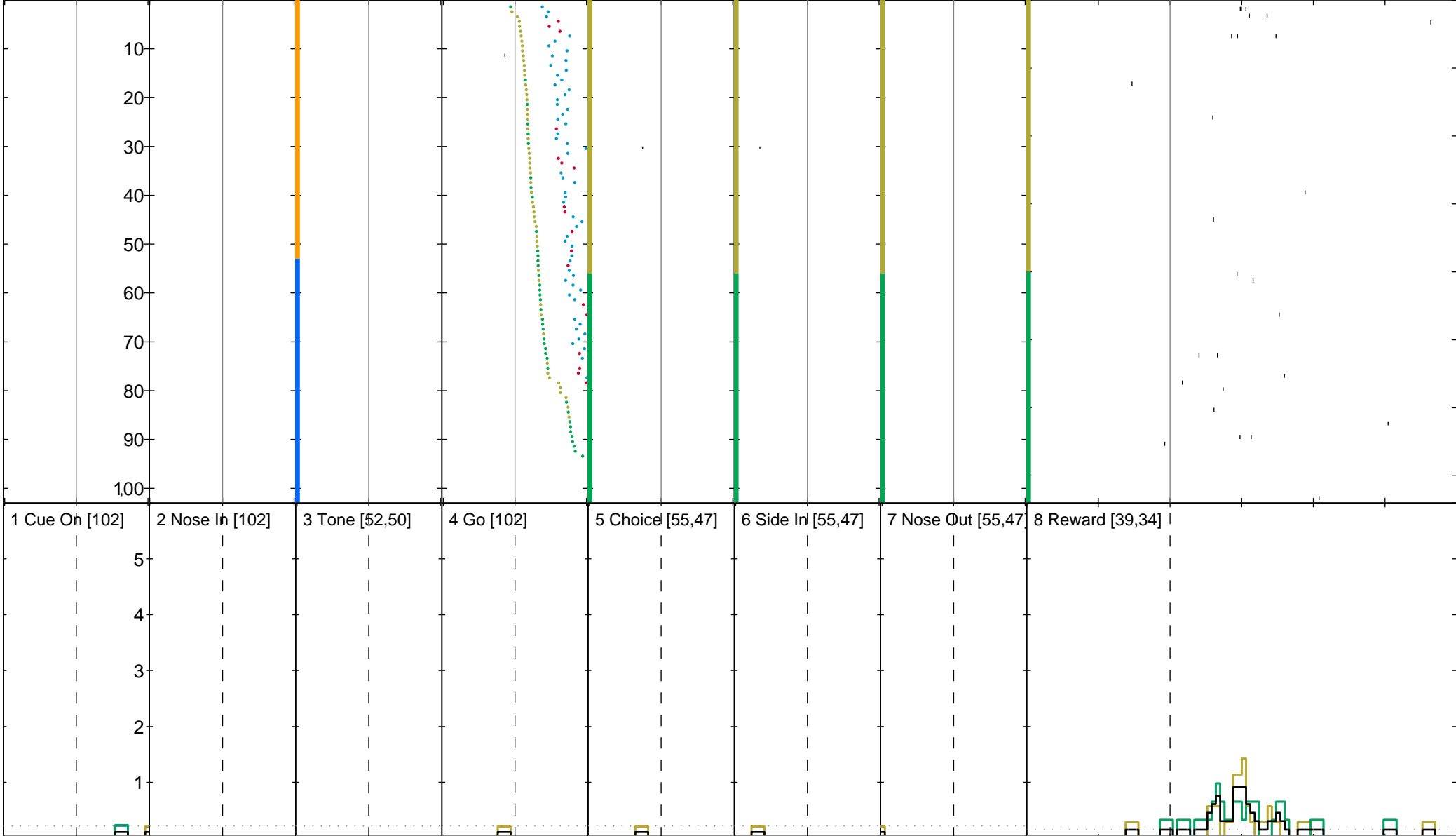
5 Choice [55,47]

6 Side In [55,47]

7 Nose Out [55,47]

8 Reward [39,34]

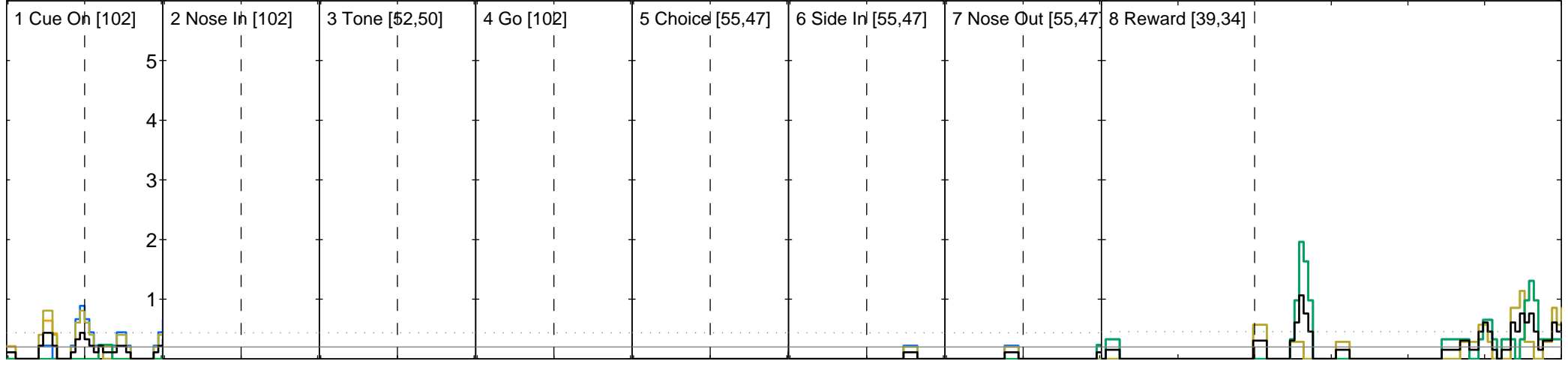
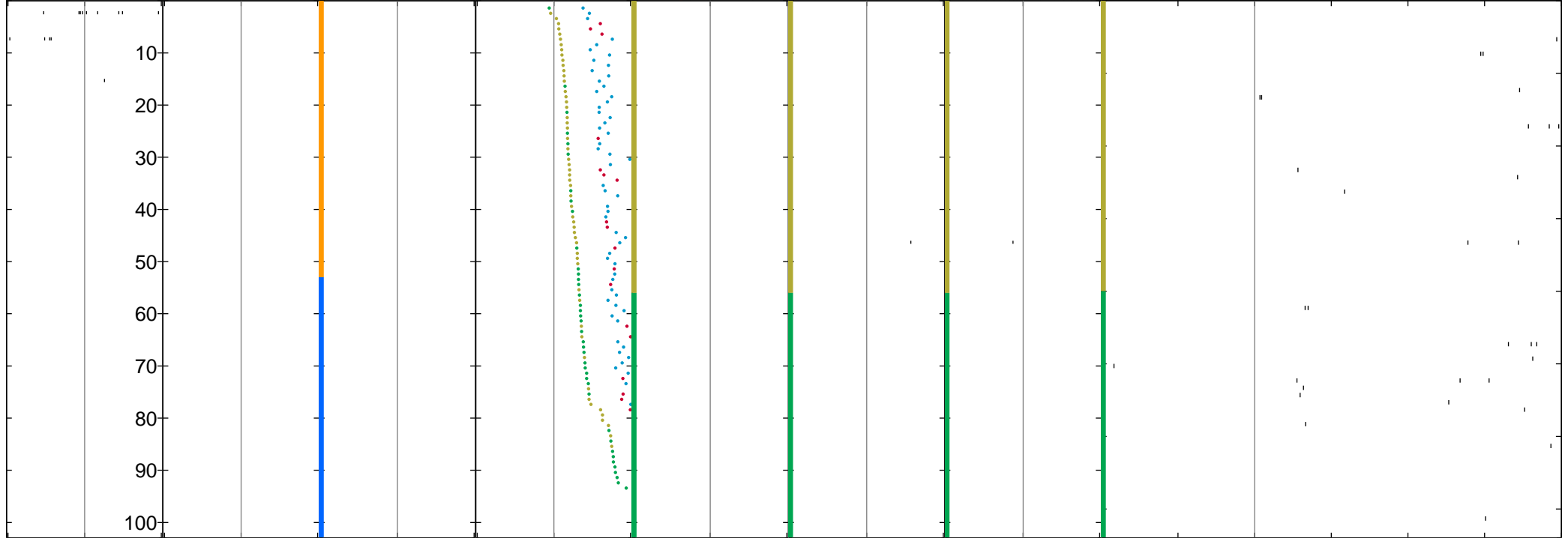
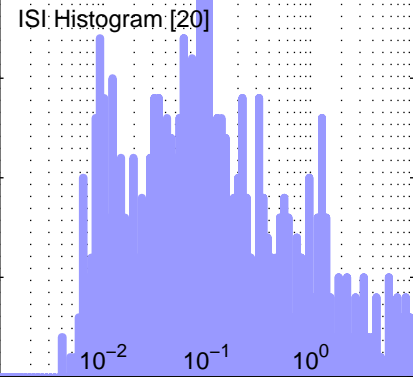
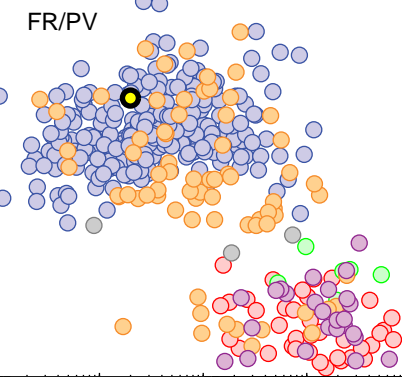
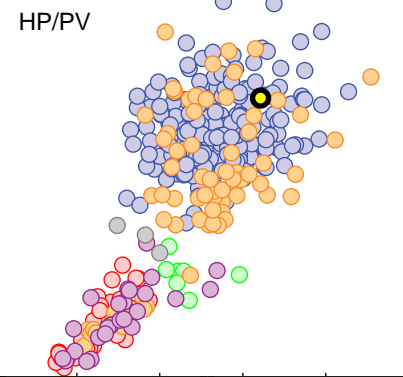
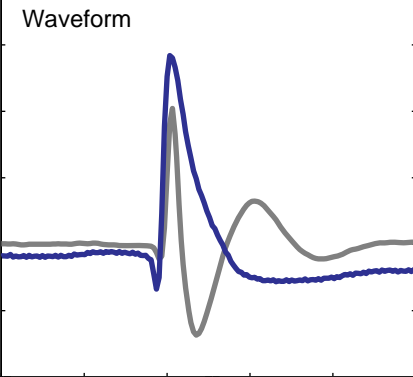
5
4
3
2
1



Cell: C0320070623T09h

AP: 1.6 ML: 3.7 DV: 5.3
w: 4 n: 756 $P_{ISI>2}$: 0.96
1/2pw: 322 μ s p->v: 974 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.199 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0320070623T11c

AP: -0.96 ML: 3.7 DV: 5.9

w: 2 n: 552 $P_{ISI>2}$: 0.96

1/2pw: 328 μ s p->v: 757 μ s

β_T : NaN β_D : NaN

β_P : NaN SI: NaN

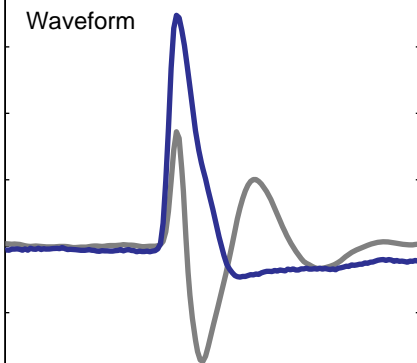
Session FR: 0.146 Hz

Pk Ev: None

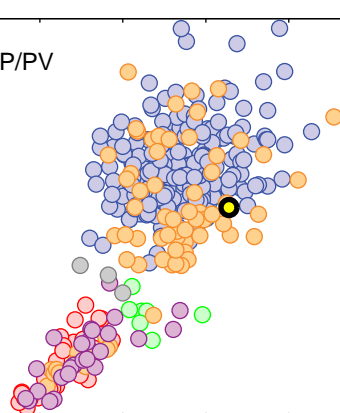
Pk FR: --

MSN

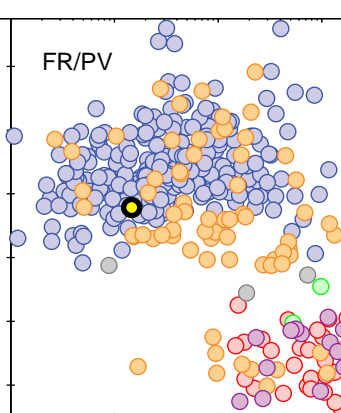
Waveform



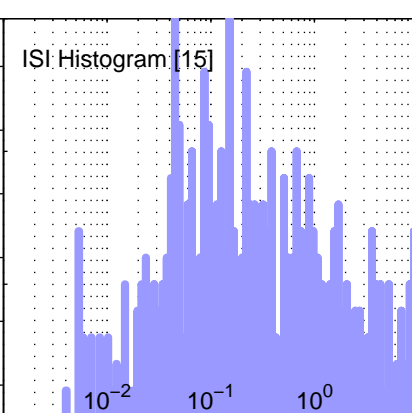
HP/PV



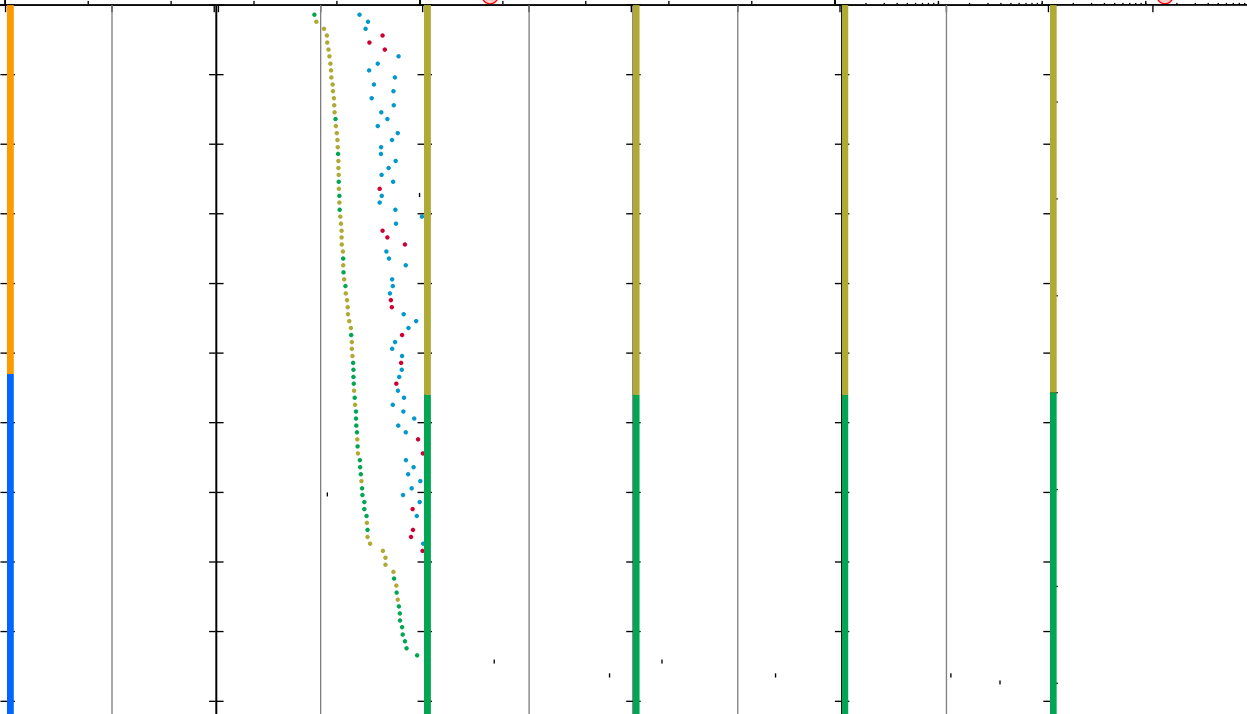
FR/PV



ISI Histogram [15]

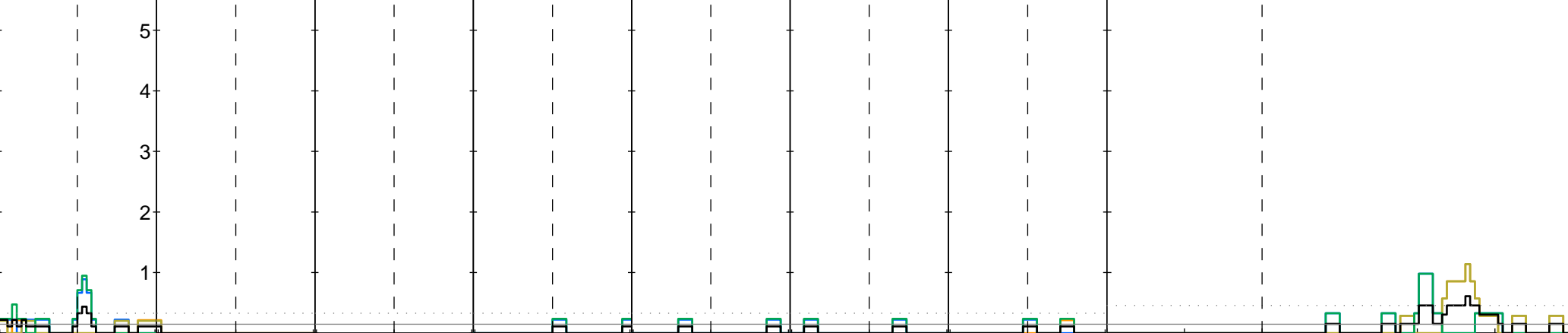


10
20
30
40
50
60
70
80
90
100



1 Cue On [102] 2 Nose In [102] 3 Tone [52,50] 4 Go [102] 5 Choice [55,47] 6 Side In [55,47] 7 Nose Out [55,47] 8 Reward [39,34]

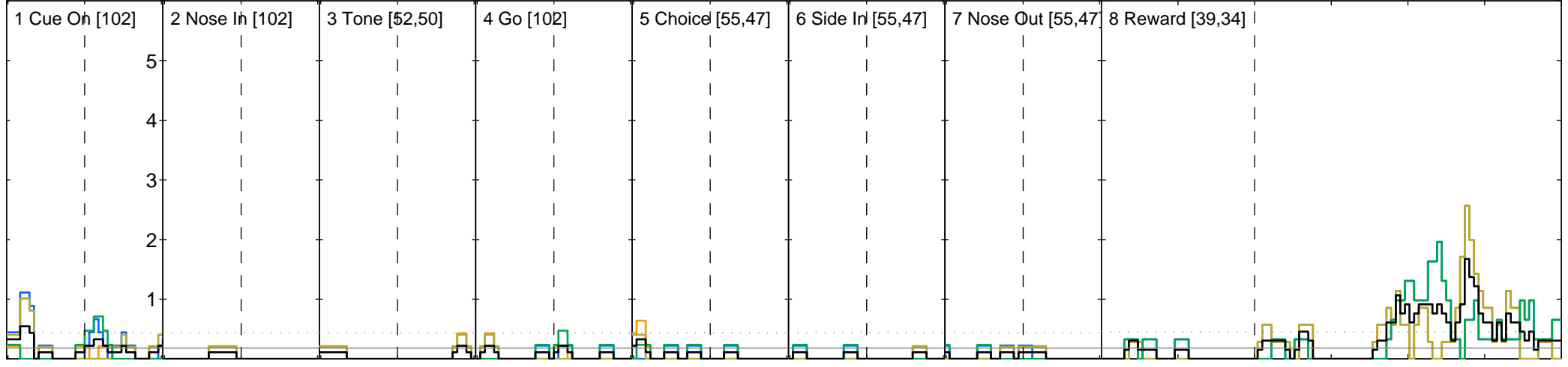
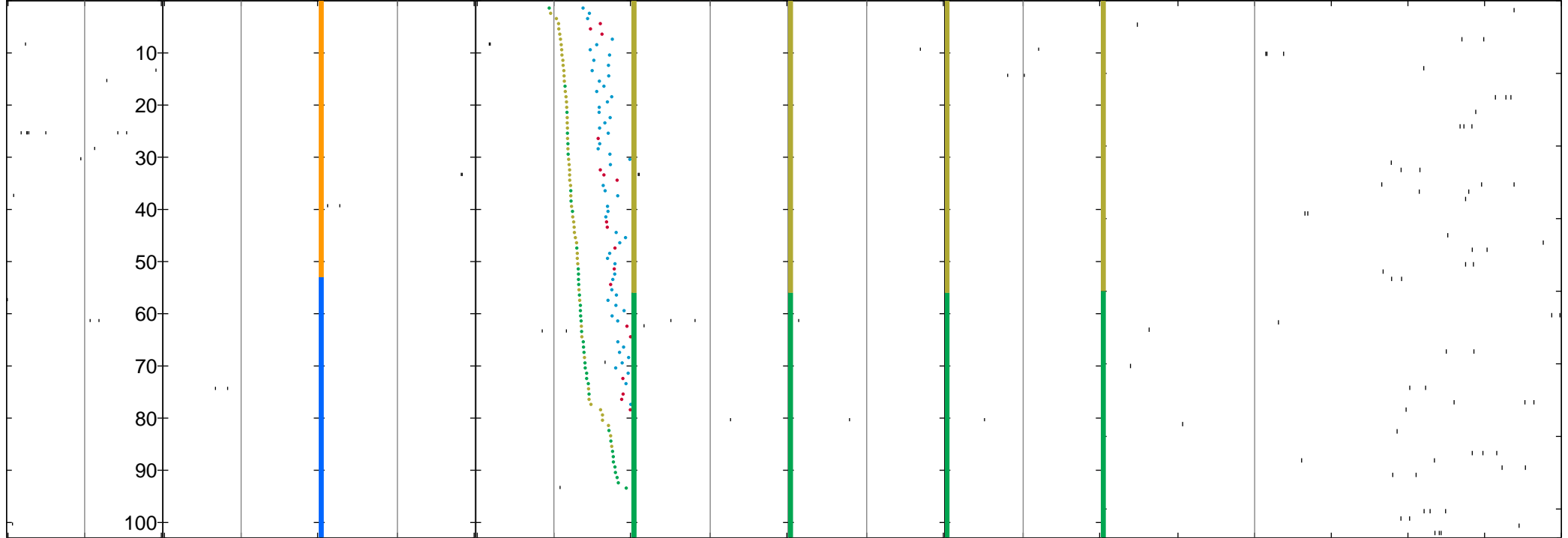
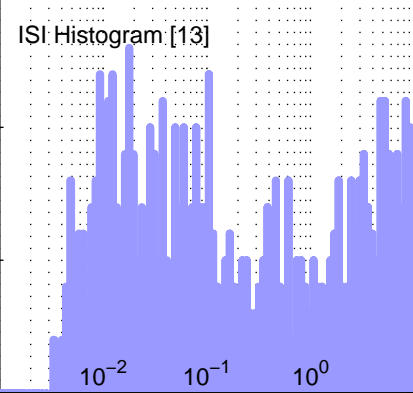
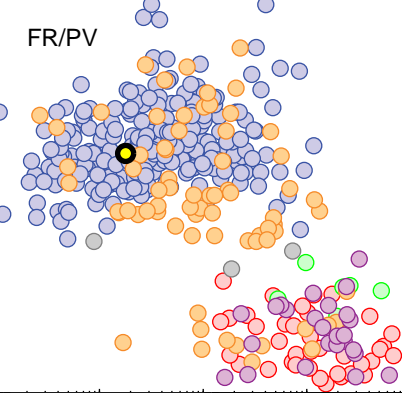
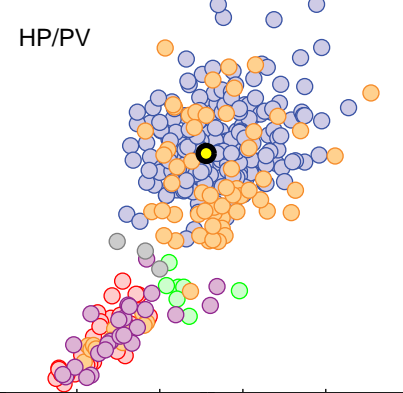
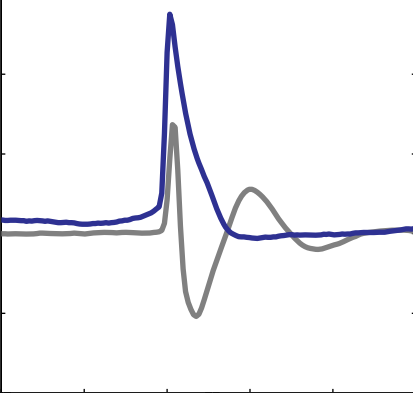
5
4
3
2
1



Cell: C0320070623T11d

AP: -0.96 ML: 3.7 DV: 5.9
w: 2 n: 676 $P_{ISI>2}$: 0.97
1/2pw: 256 μ s p->v: 851 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.179 Hz
Pk Ev: None
Pk FR: --

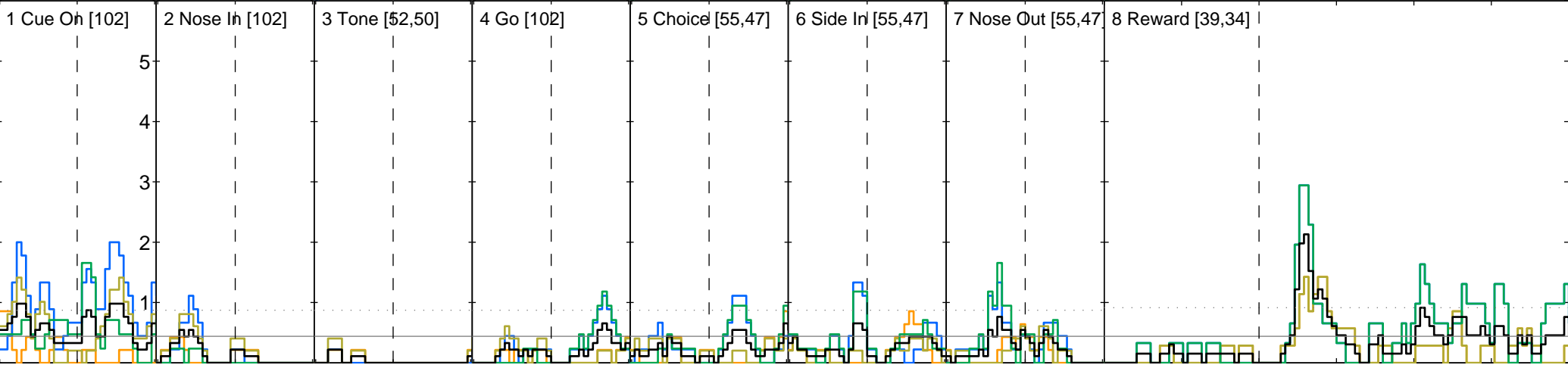
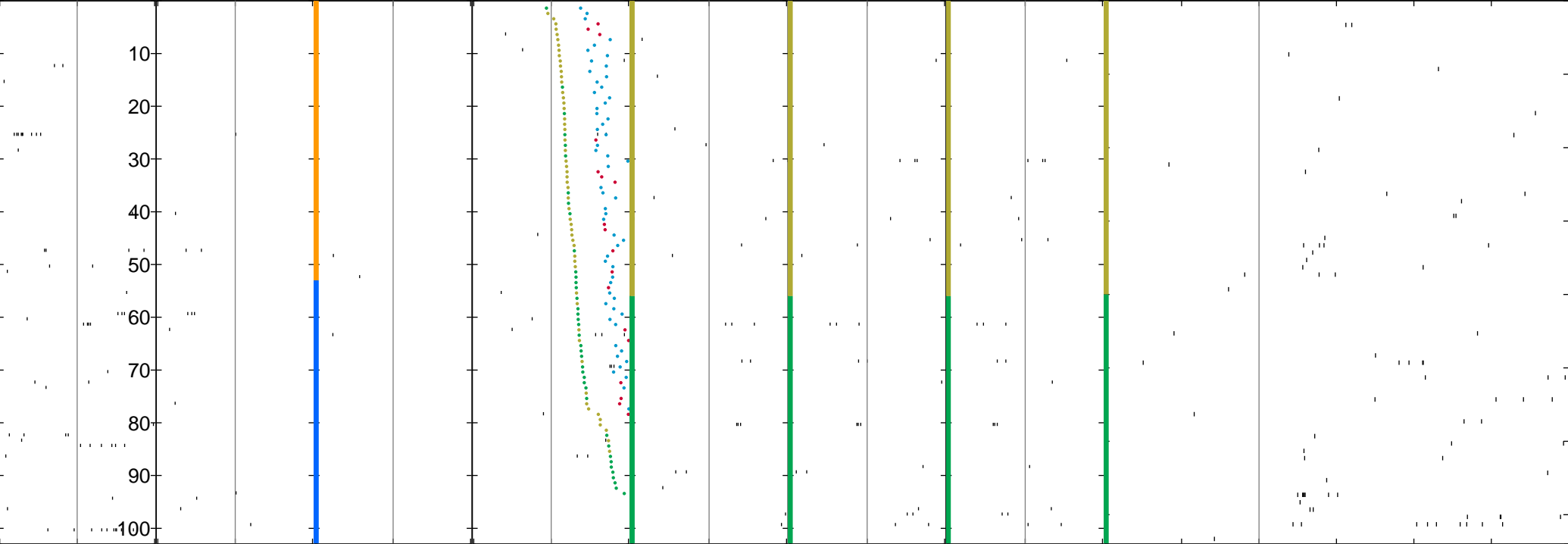
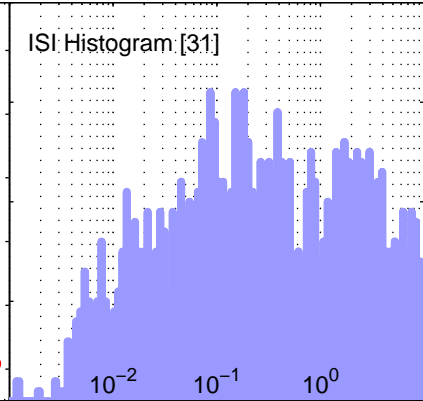
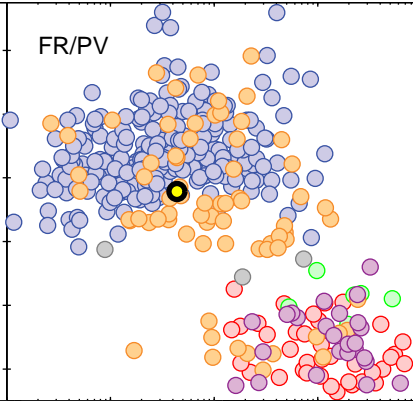
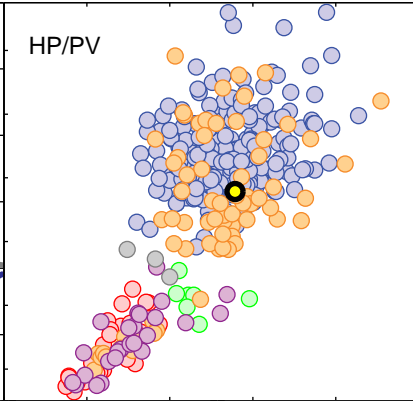
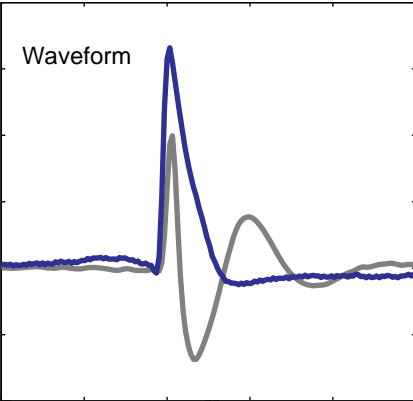
MSN



Cell: C0320070623T11f

AP: -0.96 ML: 3.7 DV: 5.9
w: 1 n: 1664 $P_{ISI>2}$: 0.88
1/2pw: 278 μ s p->v: 757 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.438 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0320070623T11g

AP: -0.96 ML: 3.7 DV: 5.9

w: 1 n: 1439 $P_{ISI>2}$: 0.82

1/2pw: 338 μ s p->v: 1271 μ s

β_T : NaN β_D : NaN

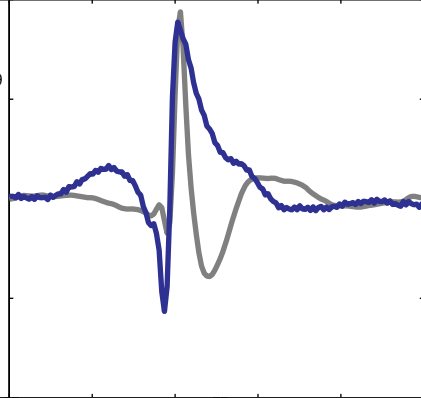
β_P : NaN SI: NaN

Session FR: 0.38 Hz

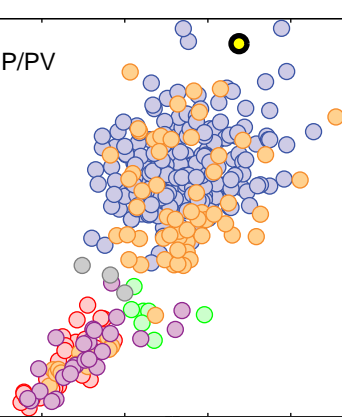
Pk Ev: None

Pk FR: --

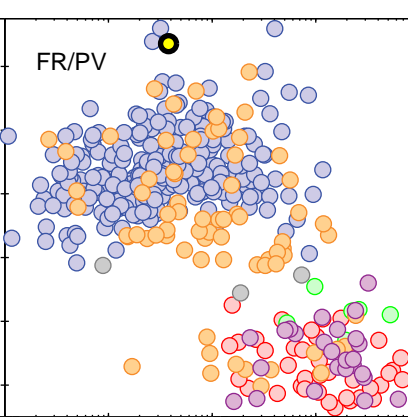
MSN



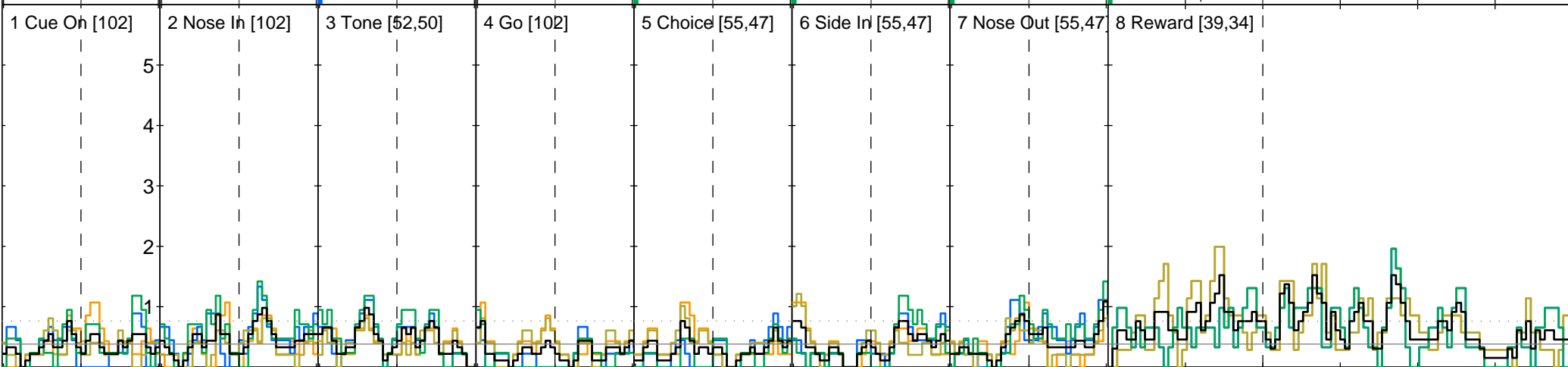
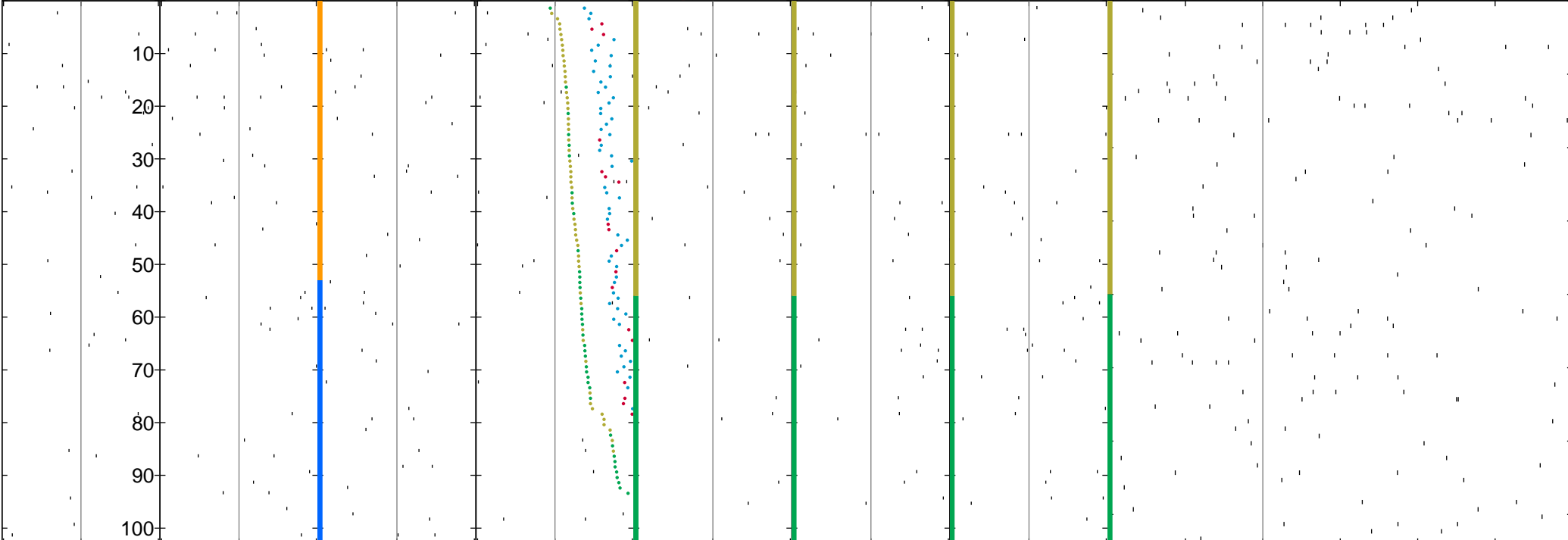
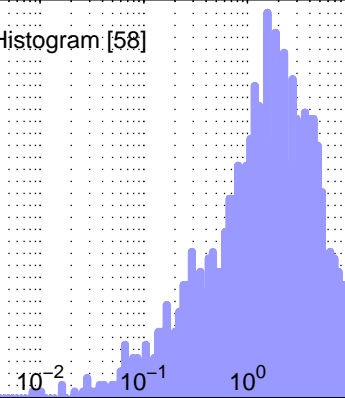
HP/PV



FR/PV



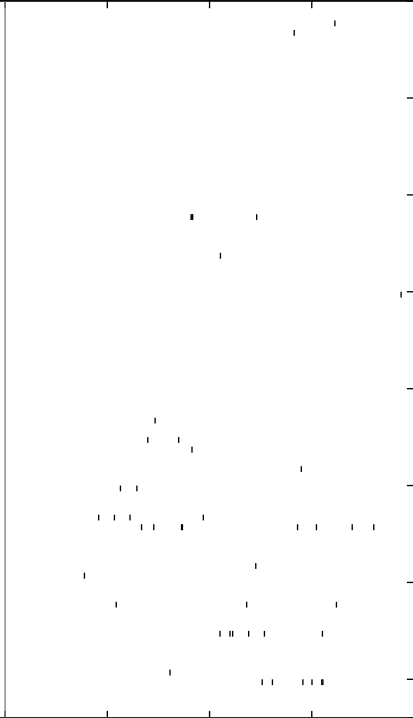
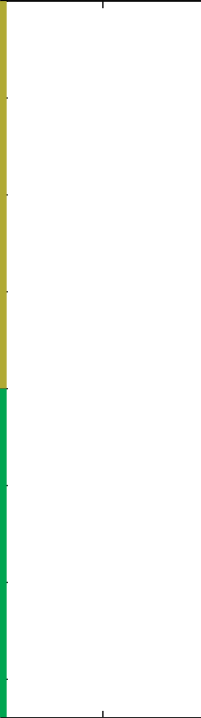
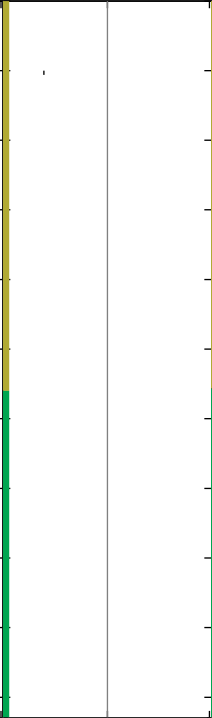
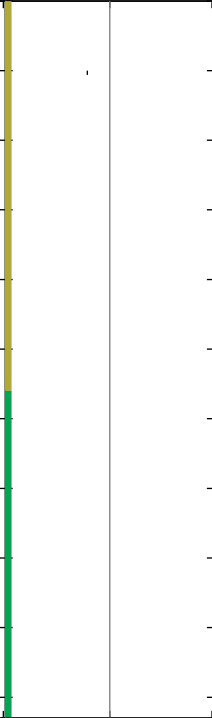
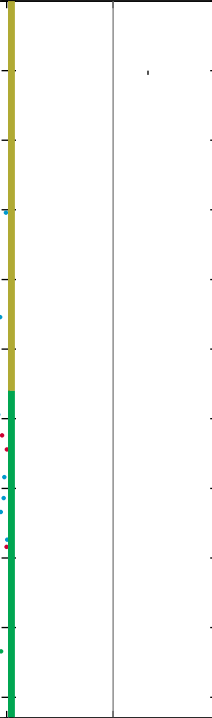
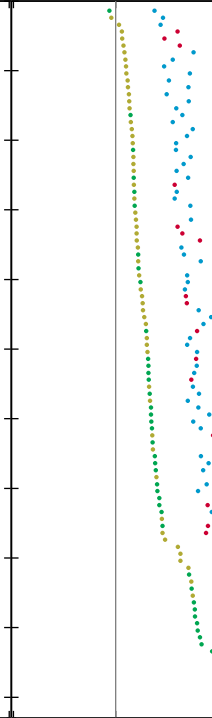
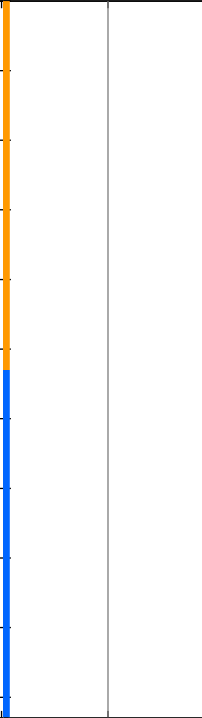
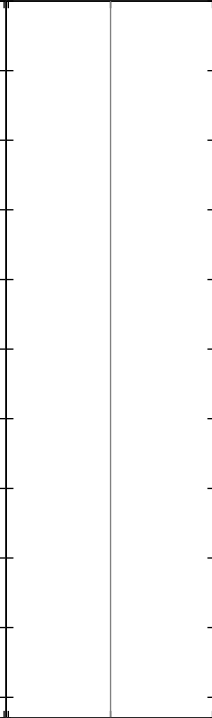
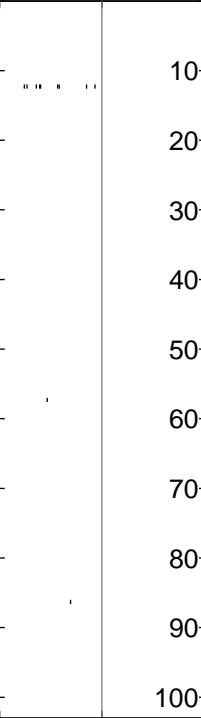
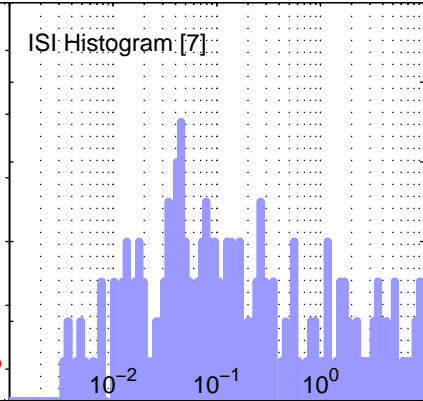
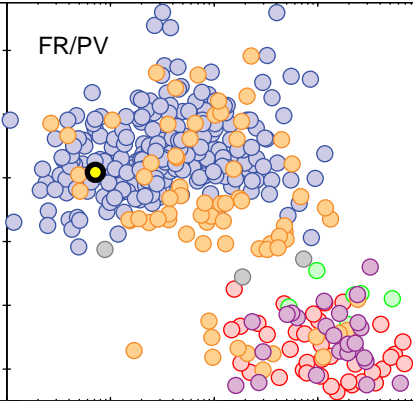
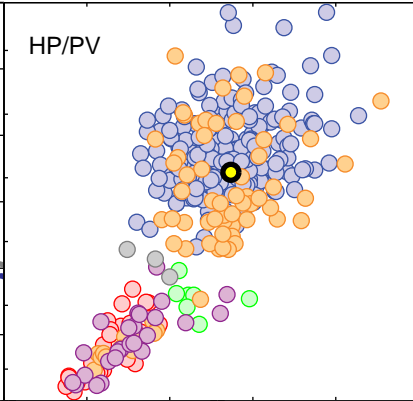
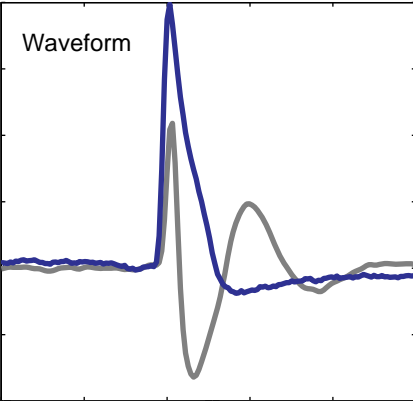
ISI Histogram [58]



Cell: C0320070623T11h

AP: -0.96 ML: 3.7 DV: 5.9
w: 1 n: 256 $P_{ISI>2}$: 0.99
1/2pw: 274 μ s p->v: 818 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0716 Hz
Pk Ev: None
Pk FR: --

MSN



1 Cue On [102]

2 Nose In [102]

3 Tone [52,50]

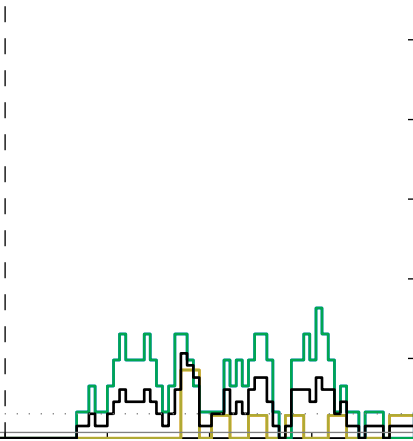
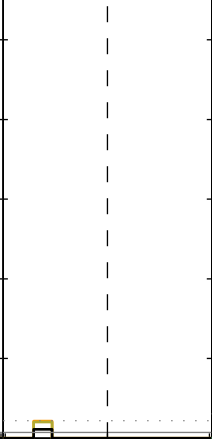
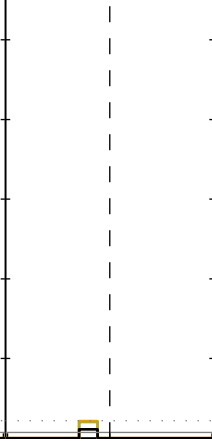
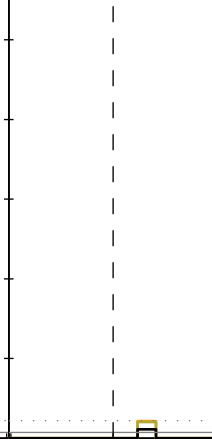
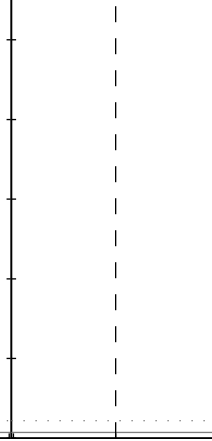
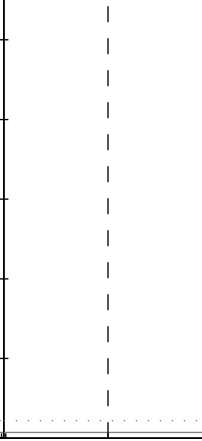
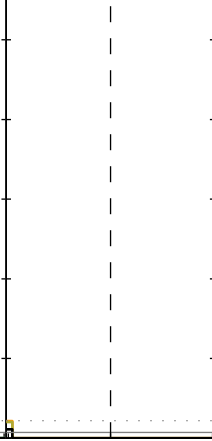
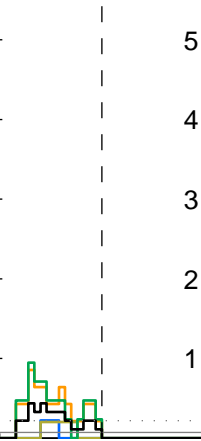
4 Go [102]

5 Choice [55,47]

6 Side In [55,47]

7 Nose Out [55,47]

8 Reward [39,34]



Cell: C0320070624T07c

AP: 0.96 ML: 3.6 DV: 6.5

w: 2 n: 1642 $P_{ISI>2}$: 0.84

1/2pw: 307 μ s p \rightarrow v: 962 μ s

β_T : 1.7 β_D : -4.5

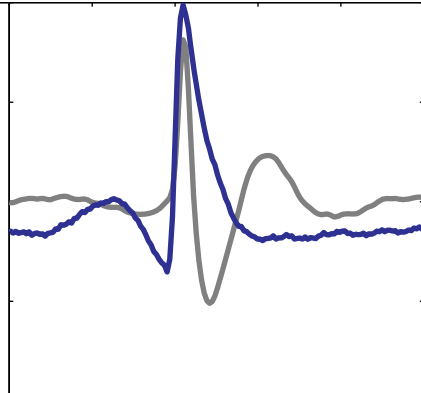
β_P : 2.5 SI: NaN

Session FR: 0.441 Hz

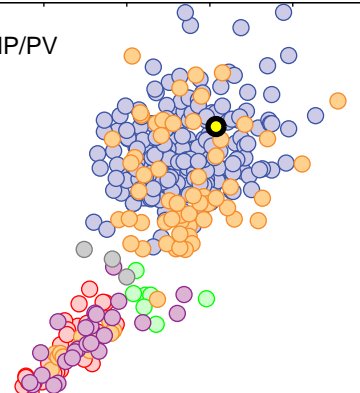
Pk Ev: None

Pk FR: --

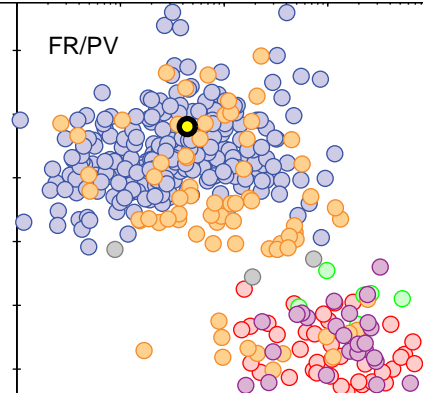
MSN



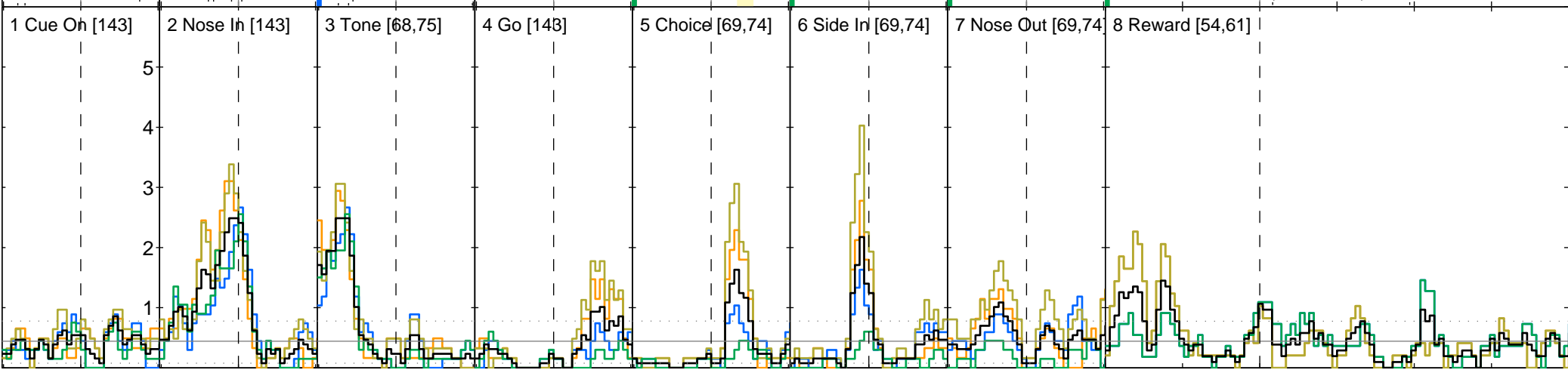
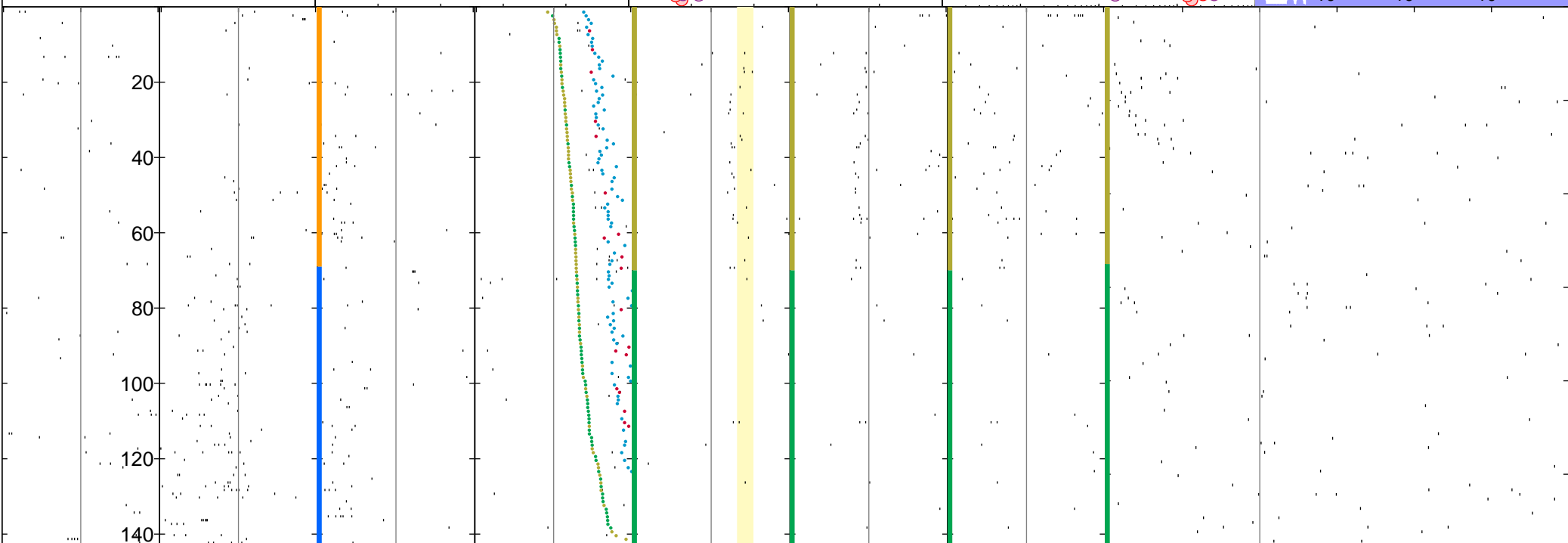
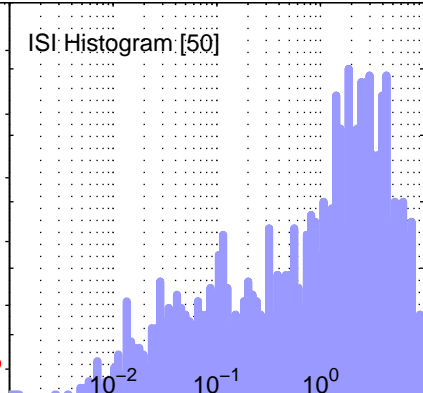
HP/PV



FR/PV



ISI Histogram [50]

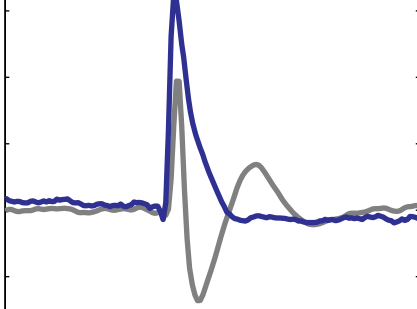


Cell: C0320070624T07d

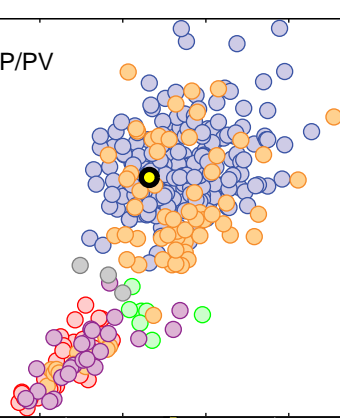
AP: 0.96 ML: 3.6 DV: 6.5
w: 4 n: 150 $P_{ISI>2}$: 1
1/2pw: 232 μ s p->v: 851 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0425 Hz
Pk Ev: None
Pk FR: --

MSN

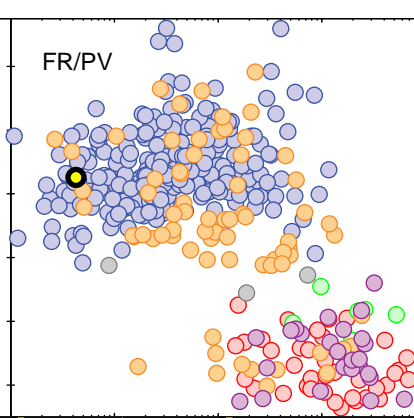
Waveform



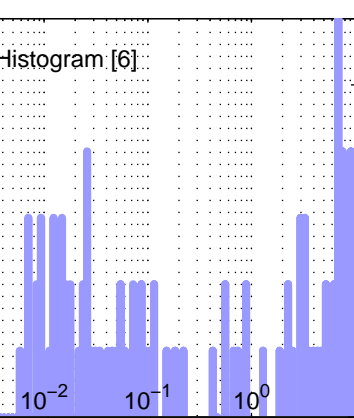
HP/PV



FR/PV



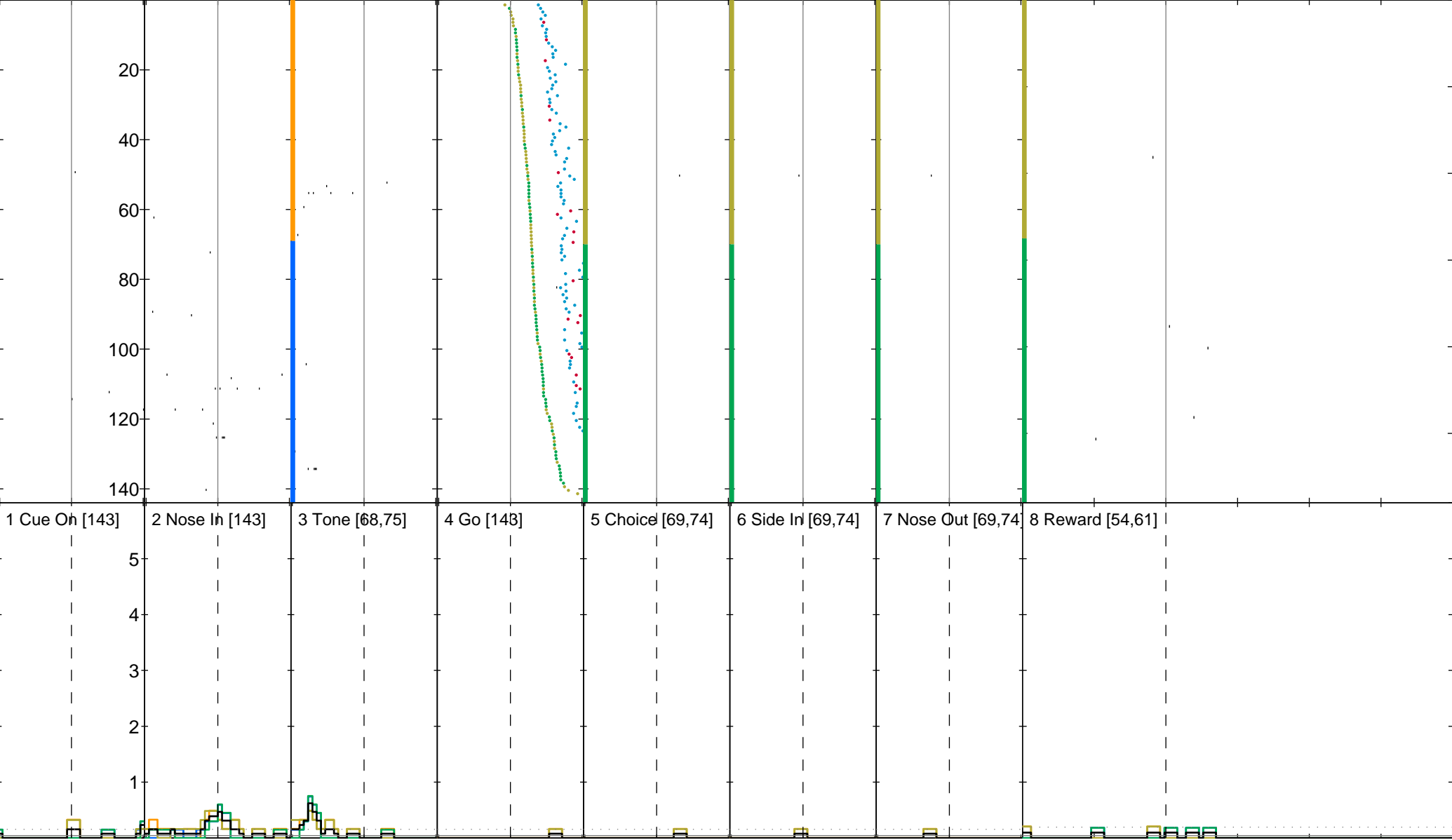
ISI Histogram [6]



20
40
60
80
100
120
140

1 Cue On [143] 2 Nose In [143] 3 Tone [68,75] 4 Go [148] 5 Choice [69,74] 6 Side In [69,74] 7 Nose Out [69,74] 8 Reward [54,61]

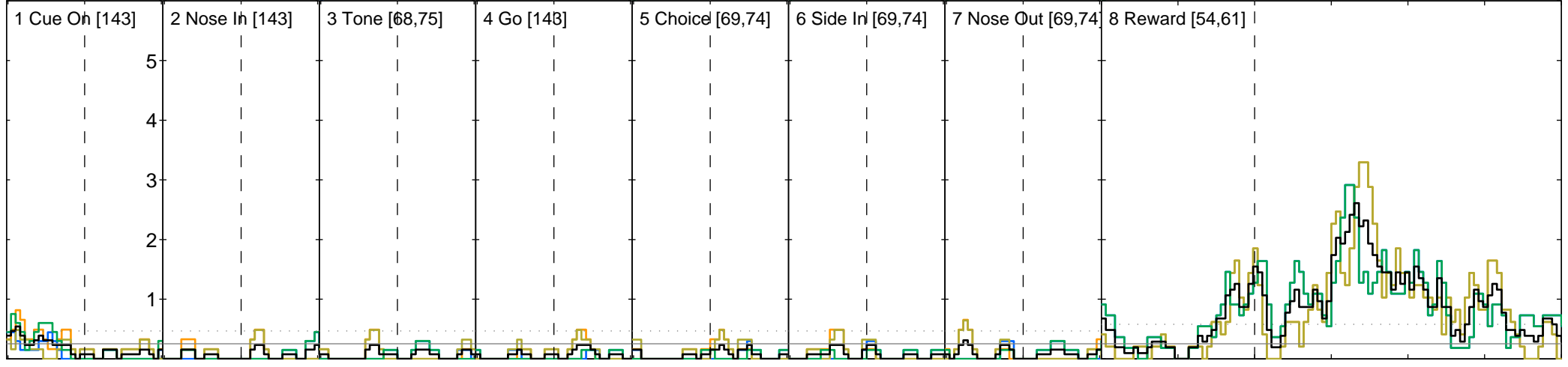
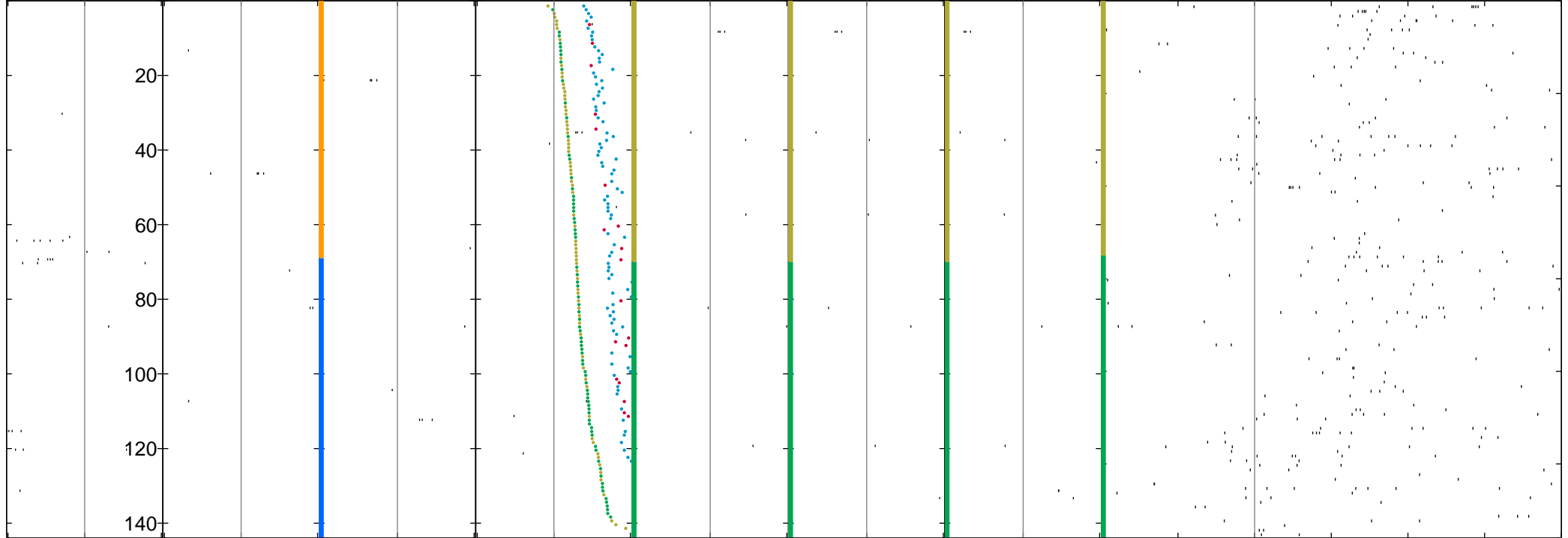
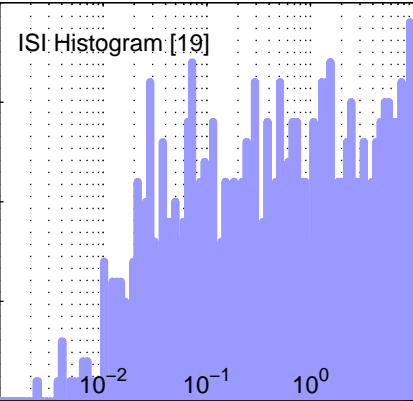
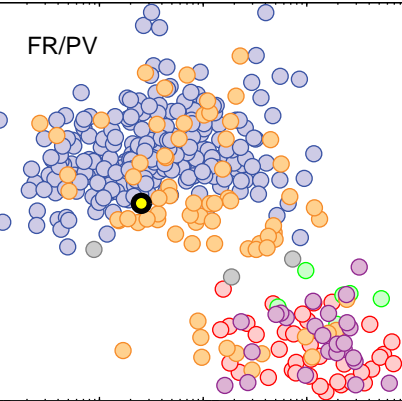
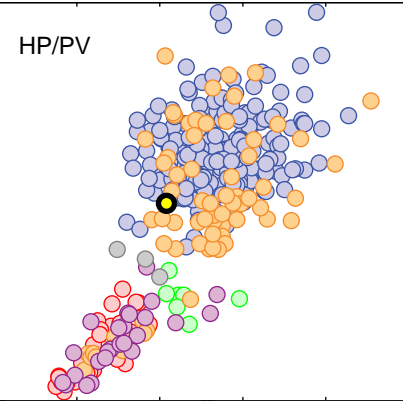
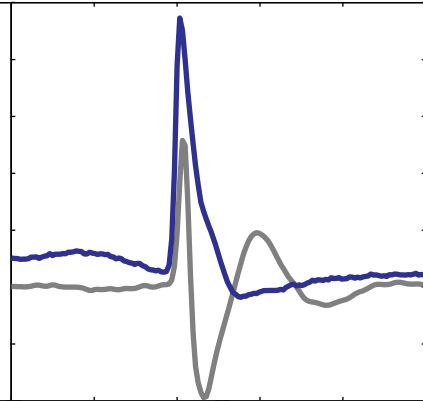
5
4
3
2
1



Cell: C0320070624T09b

AP: 1.6 ML: 3.7 DV: 5.4
w: 2 n: 943 $P_{ISI>2}$: 0.93
1/2pw: 208 μ s p \rightarrow v: 720 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.253 Hz
Pk Ev: None
Pk FR: --

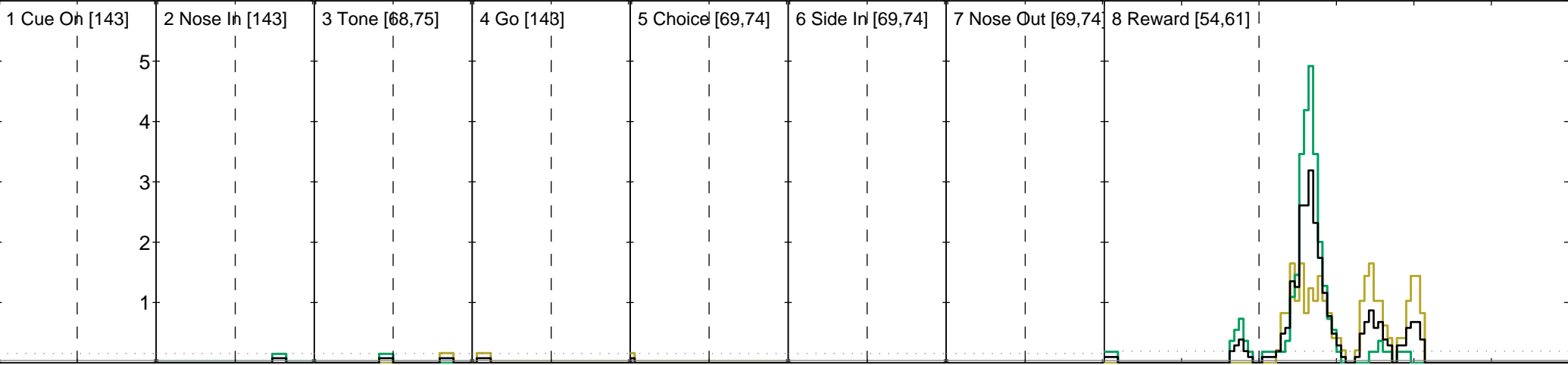
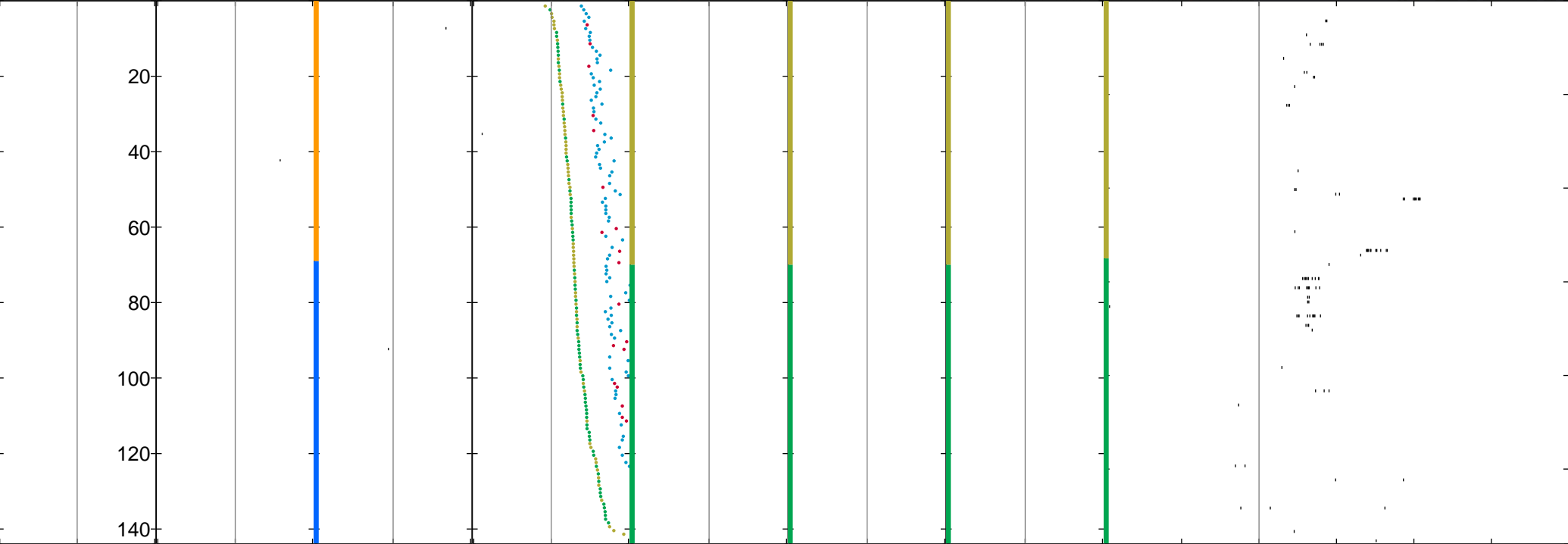
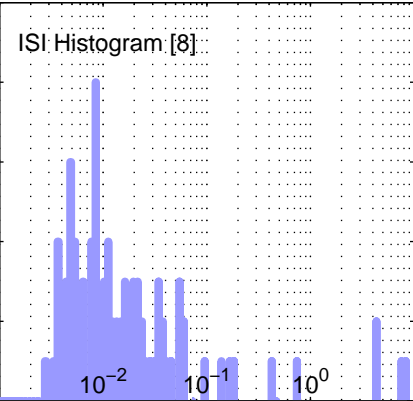
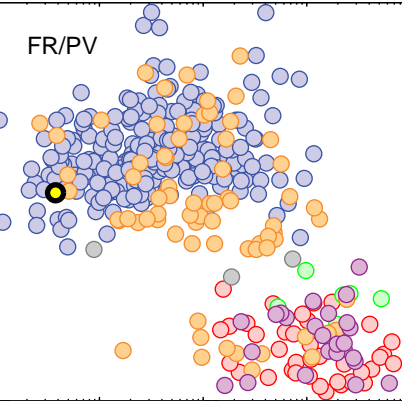
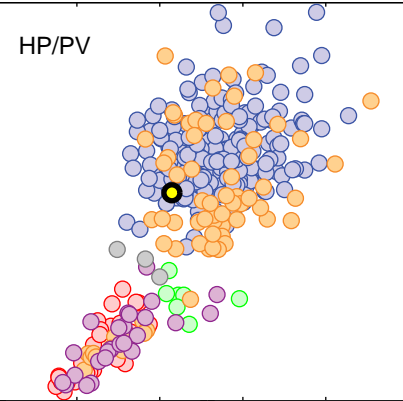
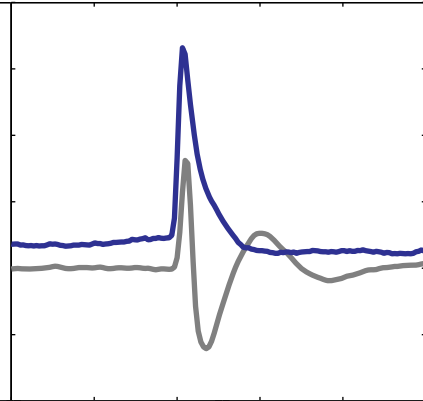
MSN



Cell: C0320070624T09d

AP: 1.6 ML: 3.7 DV: 5.4
w: 4 n: 138 $P_{ISI>2}$: 1
1/2pw: 214 μ s p->v: 754 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0377 Hz
Pk Ev: None
Pk FR: --

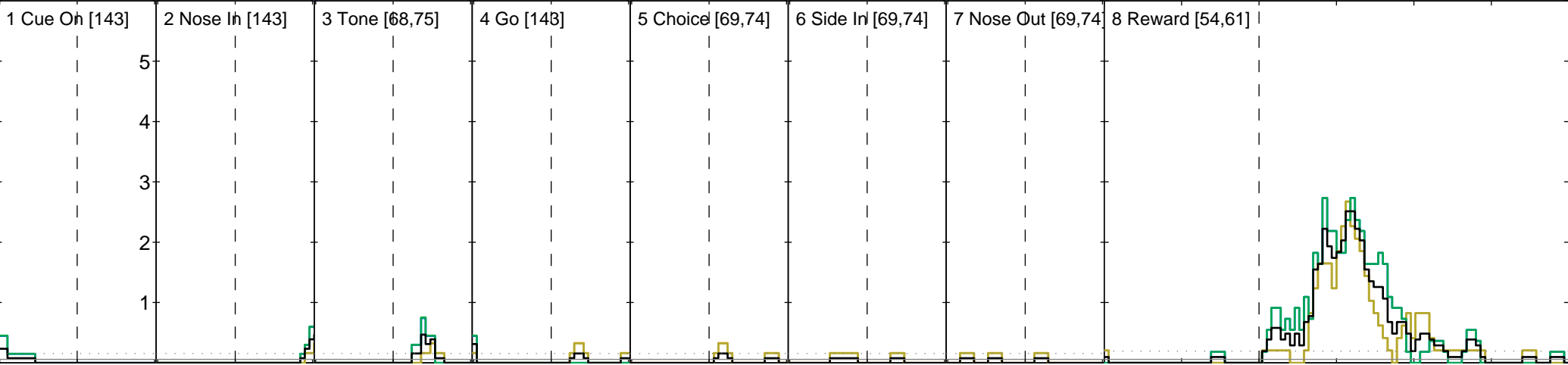
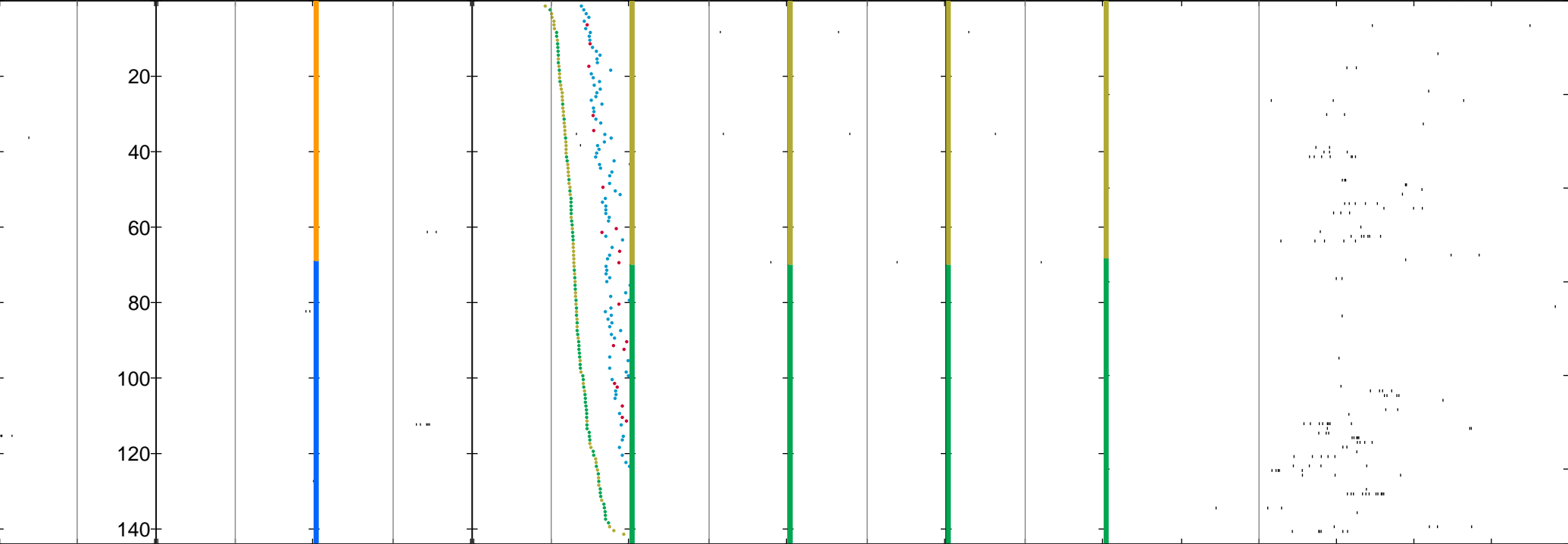
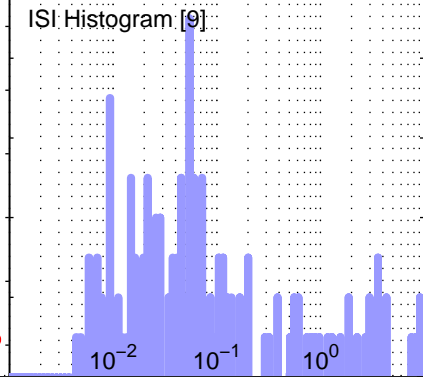
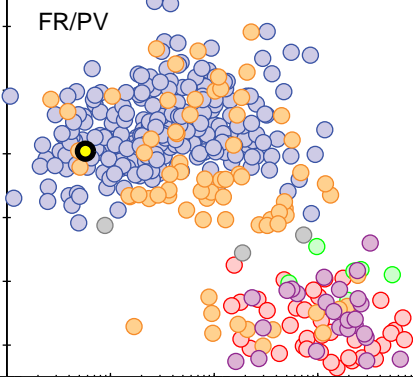
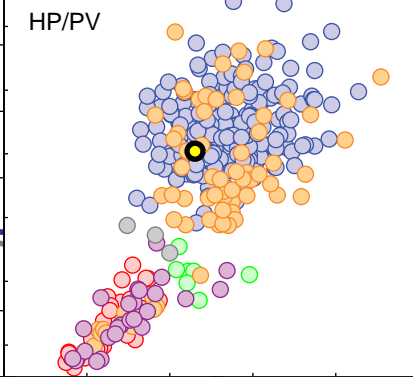
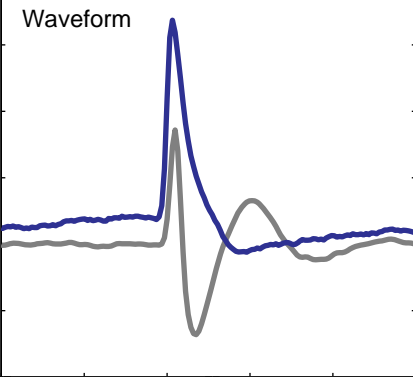
MSN



Cell: C0320070624T09e

AP: 1.6 ML: 3.7 DV: 5.4
w: 3 n: 214 $P_{ISI>2}$: 0.99
1/2pw: 230 μ s p->v: 808 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0576 Hz
Pk Ev: None
Pk FR: --

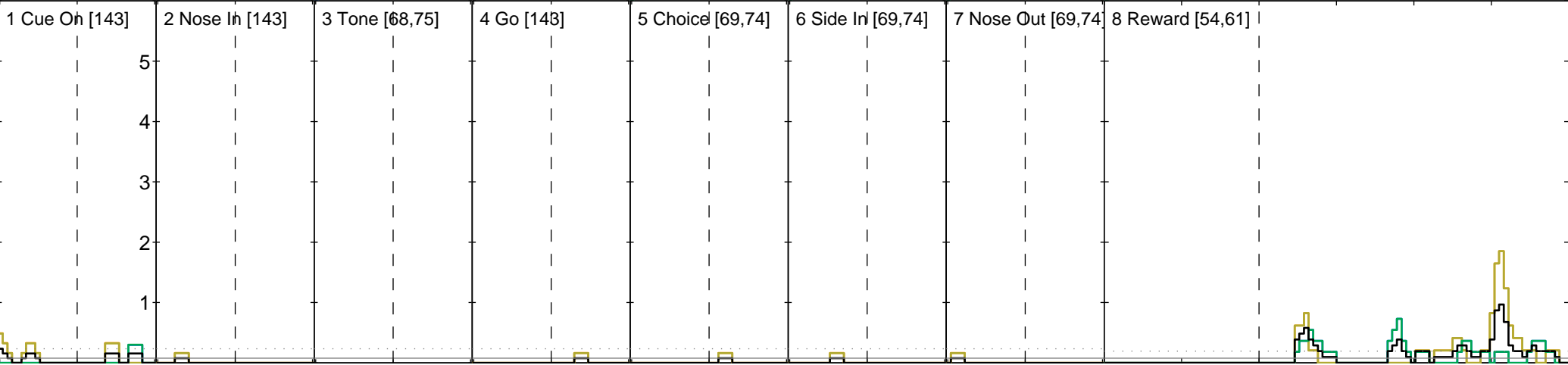
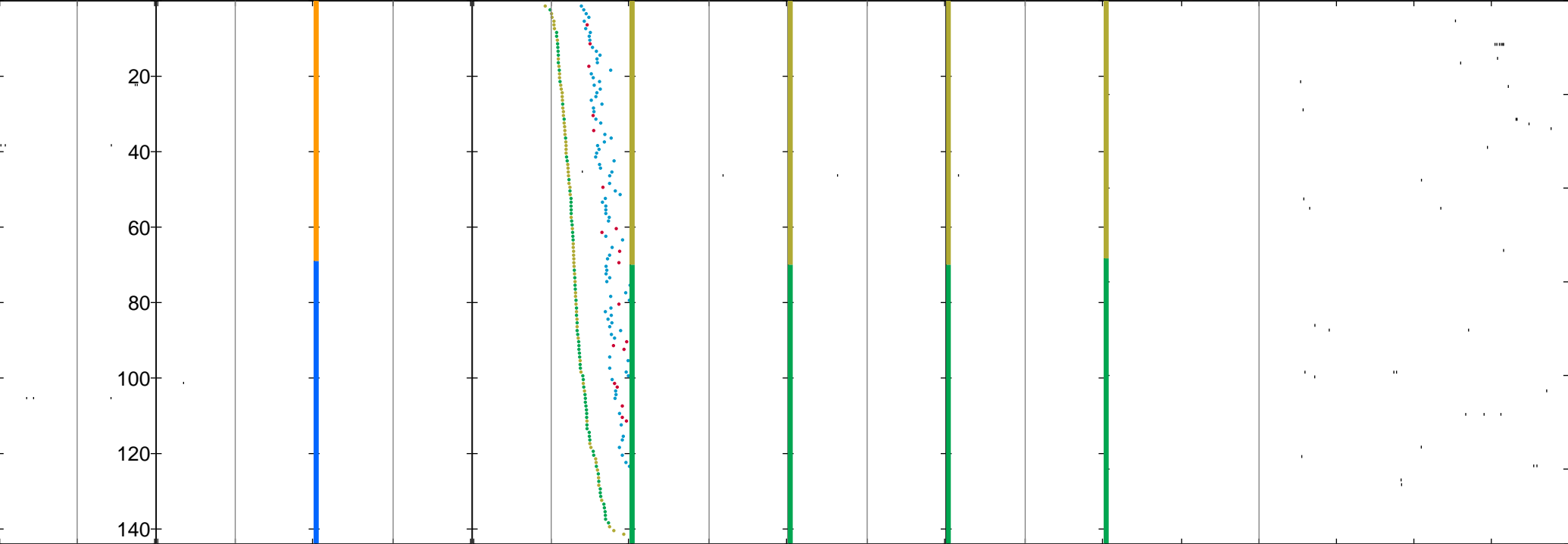
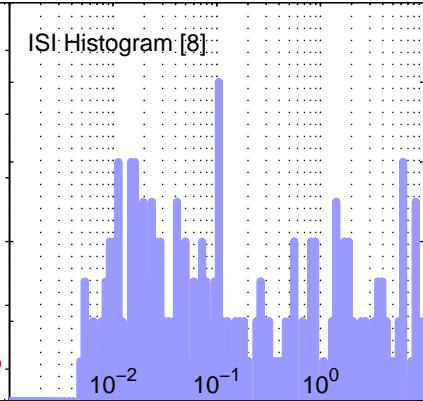
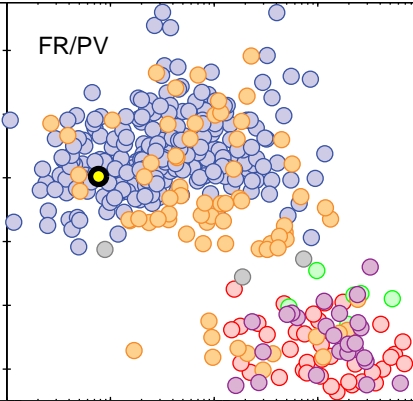
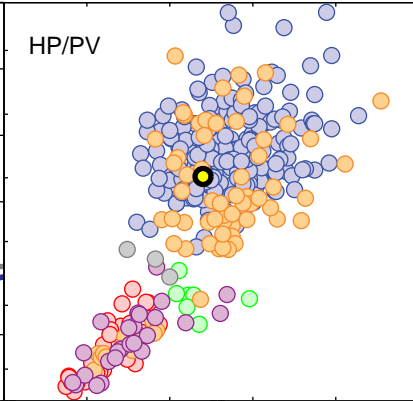
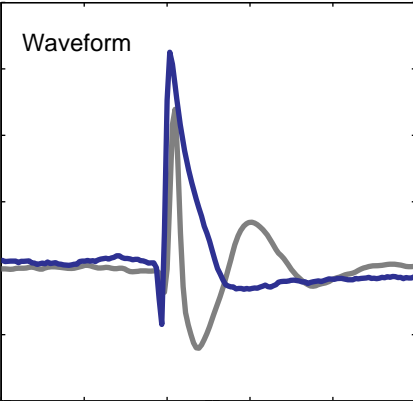
MSN



Cell: C0320070624T11a

AP: -0.96 ML: 3.7 DV: 6.1
w: 1 n: 280 $P_{ISI>2}$: 0.99
1/2pw: 240 μ s p->v: 805 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0768 Hz
Pk Ev: None
Pk FR: --

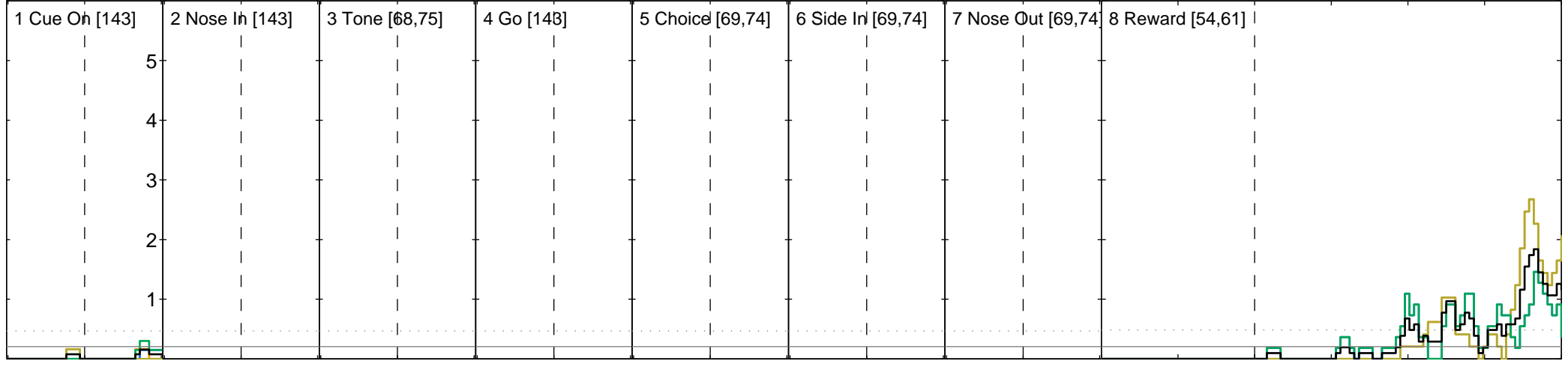
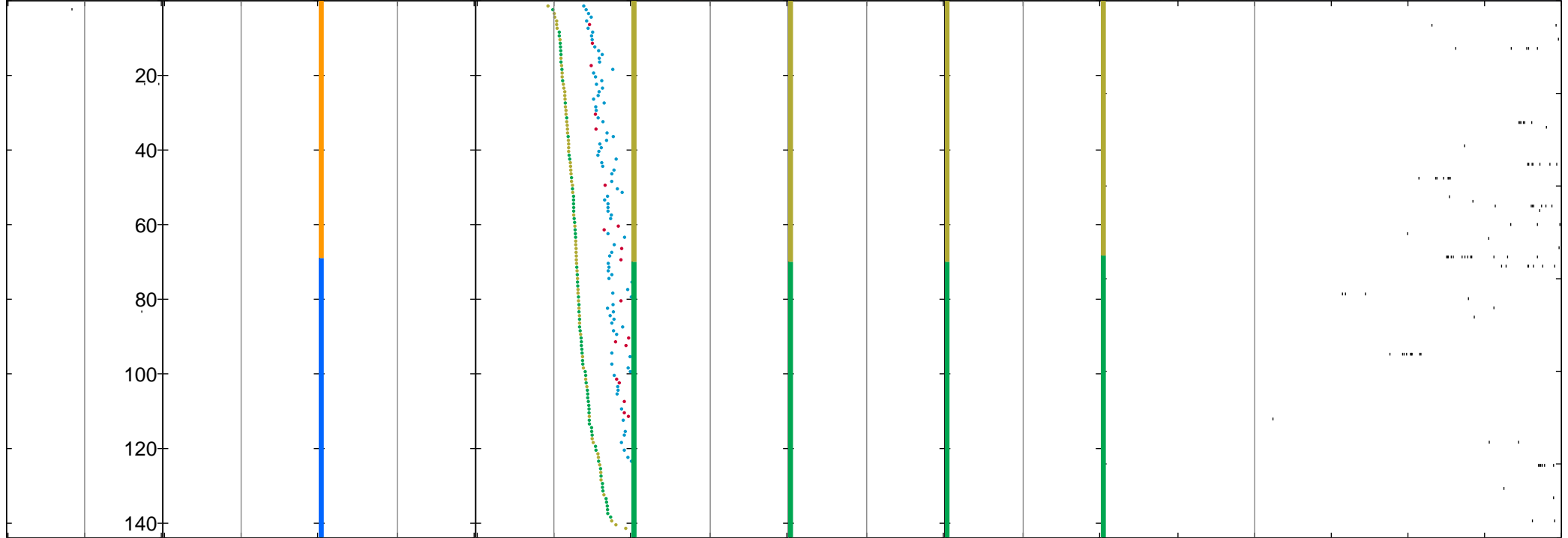
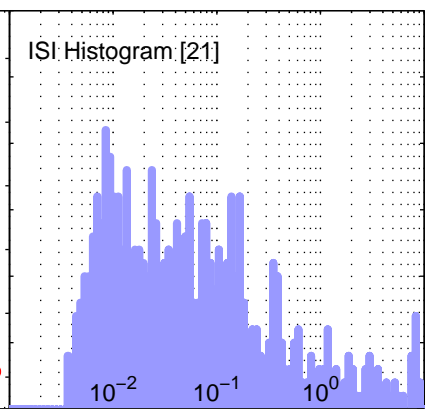
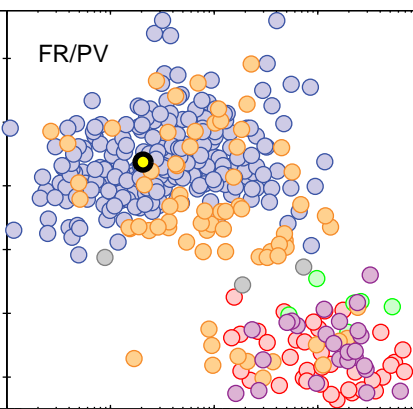
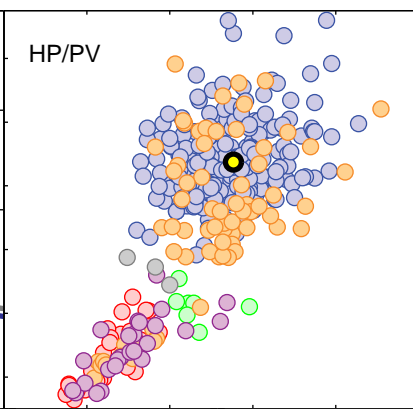
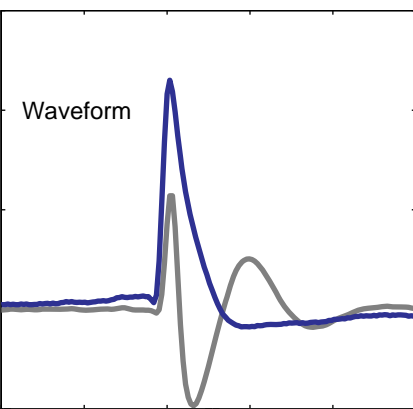
MSN



Cell: C0320070624T11b

AP: -0.96 ML: 3.7 DV: 6.1
w: 4 n: 761 $P_{ISI>2}$: 0.98
1/2pw: 277 μ s p->v: 875 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.205 Hz
Pk Ev: None
Pk FR: --

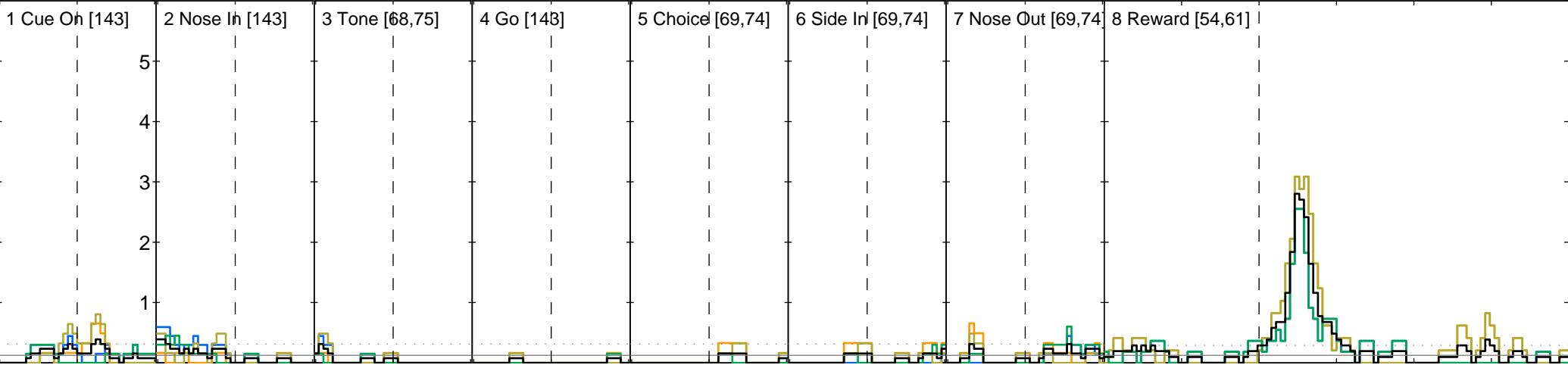
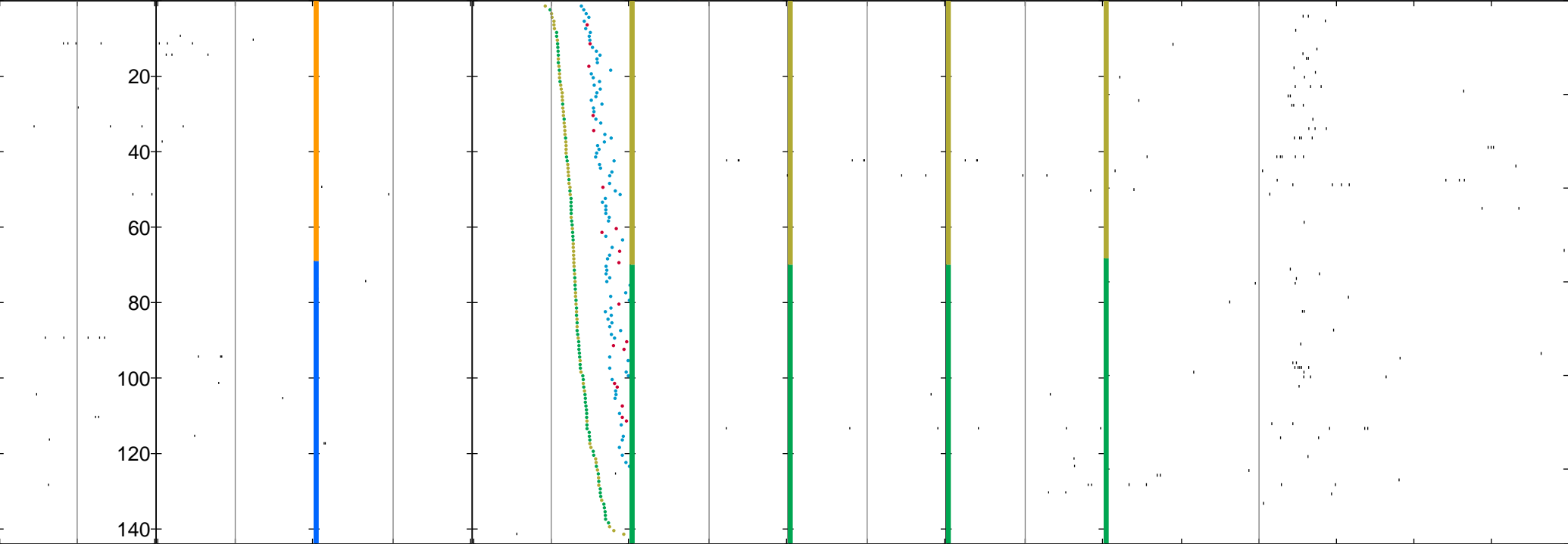
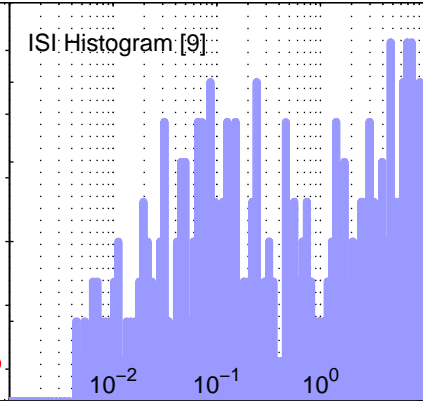
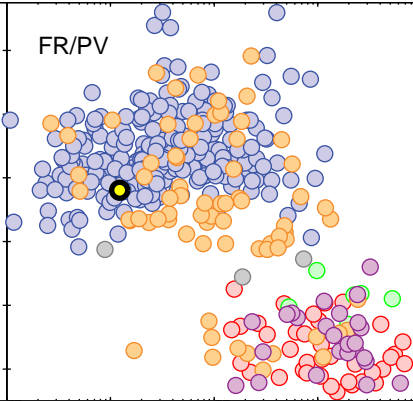
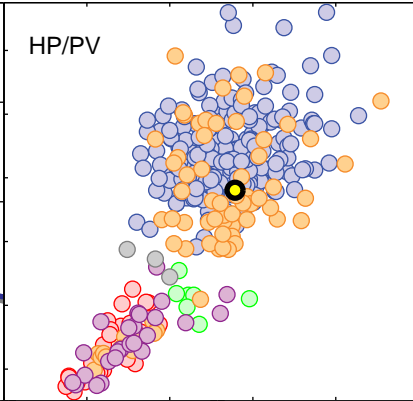
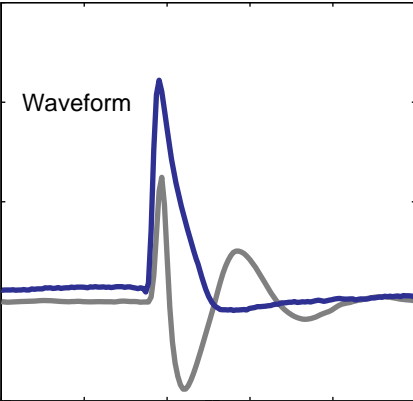
MSN



Cell: C0320070624T11c

AP: -0.96 ML: 3.7 DV: 6.1
w: 2 n: 450 $P_{ISI>2}$: 0.98
1/2pw: 278 μ s p->v: 762 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.123 Hz
Pk Ev: None
Pk FR: --

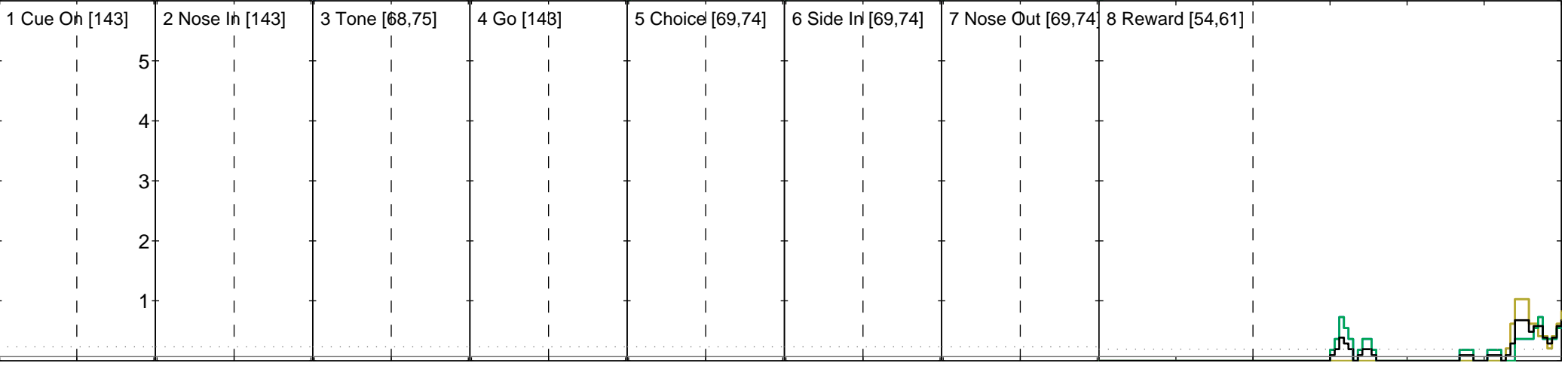
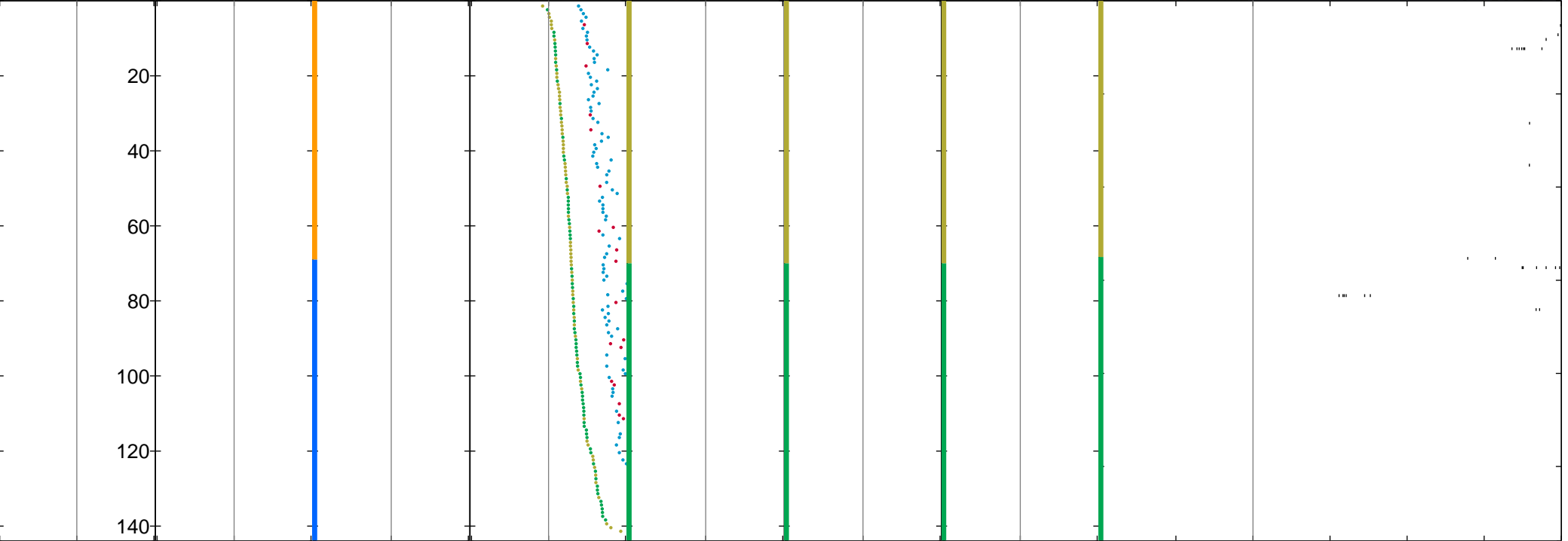
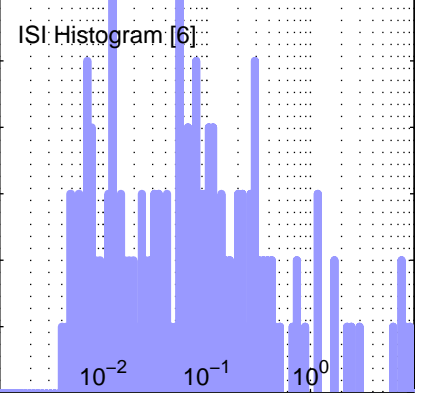
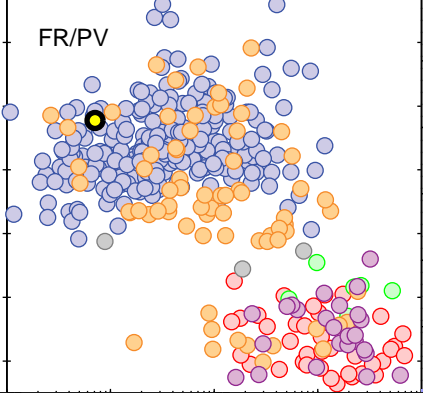
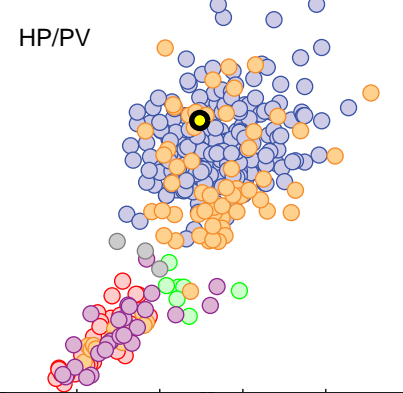
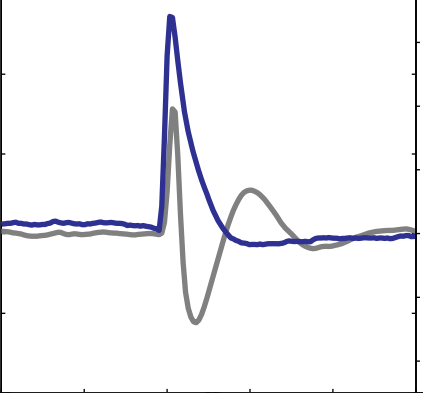
MSN



Cell: C0320070624T11d

AP: -0.96 ML: 3.7 DV: 6.1
w: 4 n: 194 $P_{ISI>2}$: 0.99
1/2pw: 248 μ s p->v: 955 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.071 Hz
Pk Ev: None
Pk FR: --

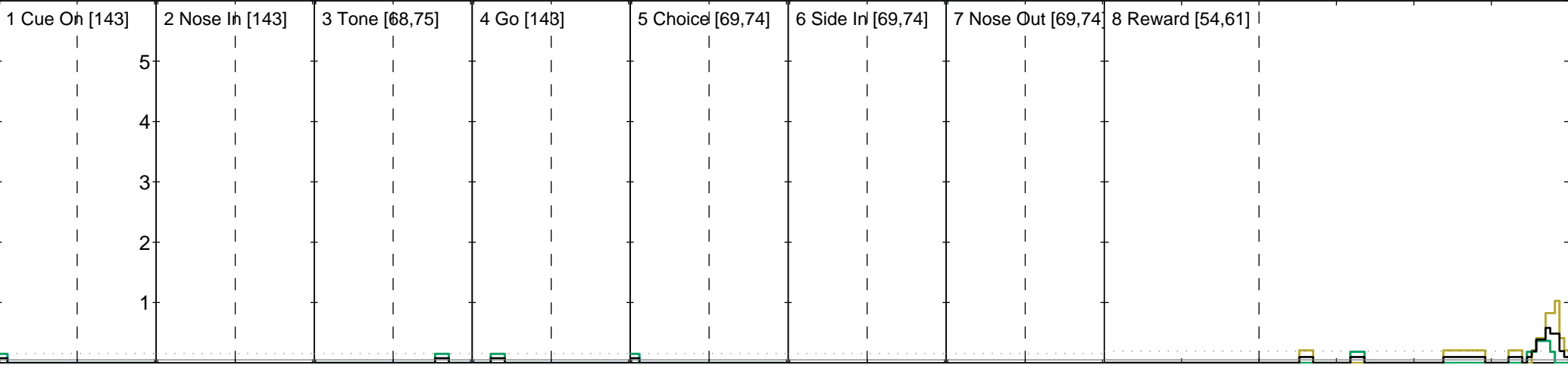
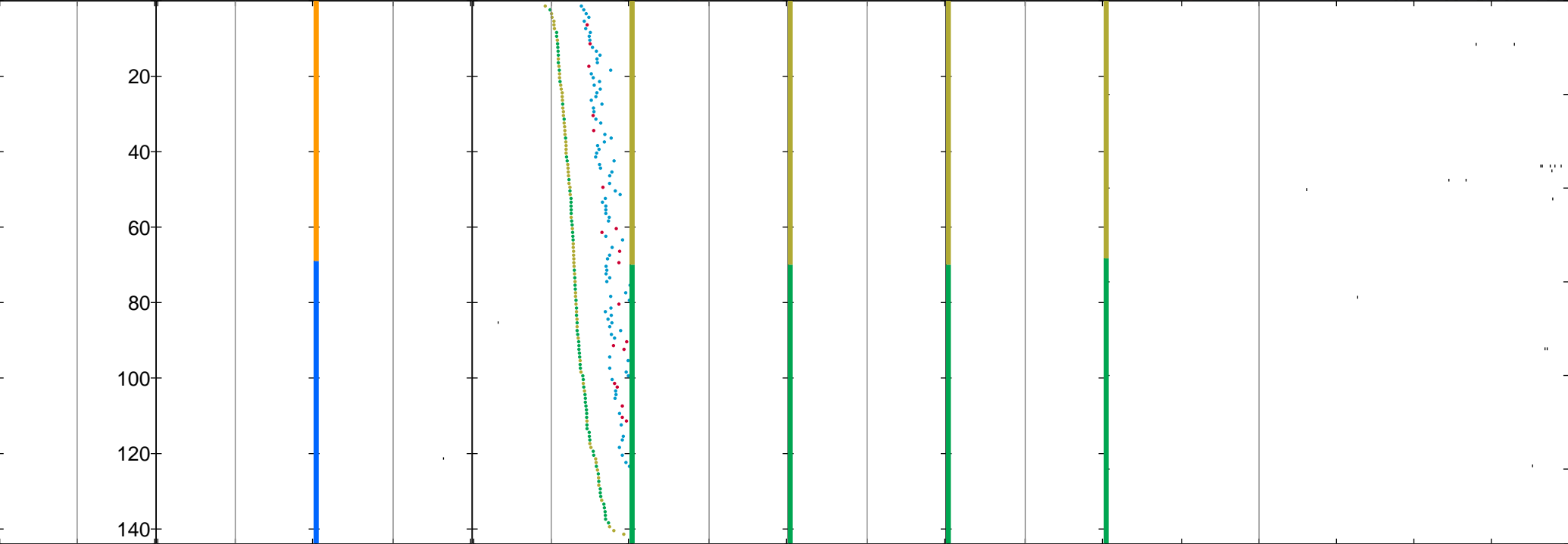
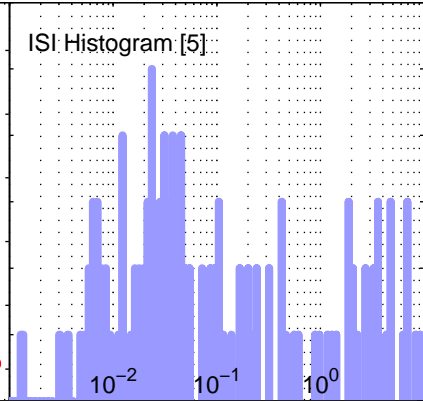
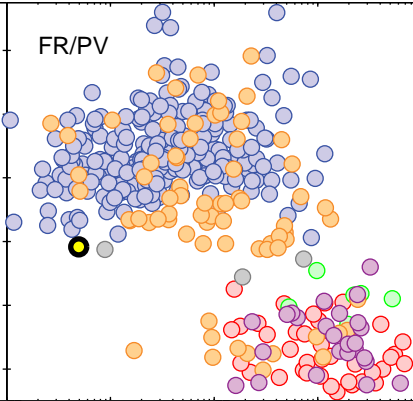
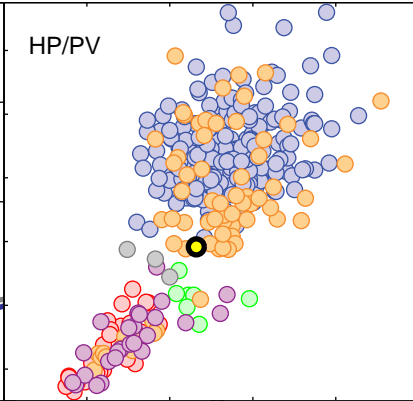
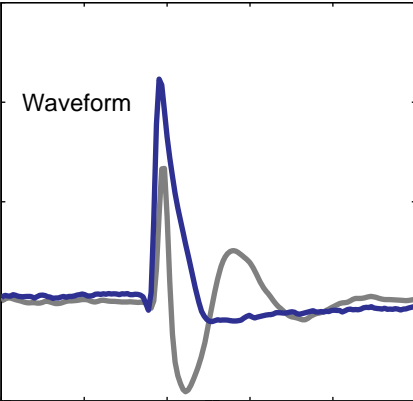
MSN



Cell: C0320070624T11g

AP: -0.96 ML: 3.7 DV: 6.1
w: 2 n: 181 $P_{ISI>2}$: 1
1/2pw: 232 μ s p->v: 583 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0494 Hz
Pk Ev: None
Pk FR: --

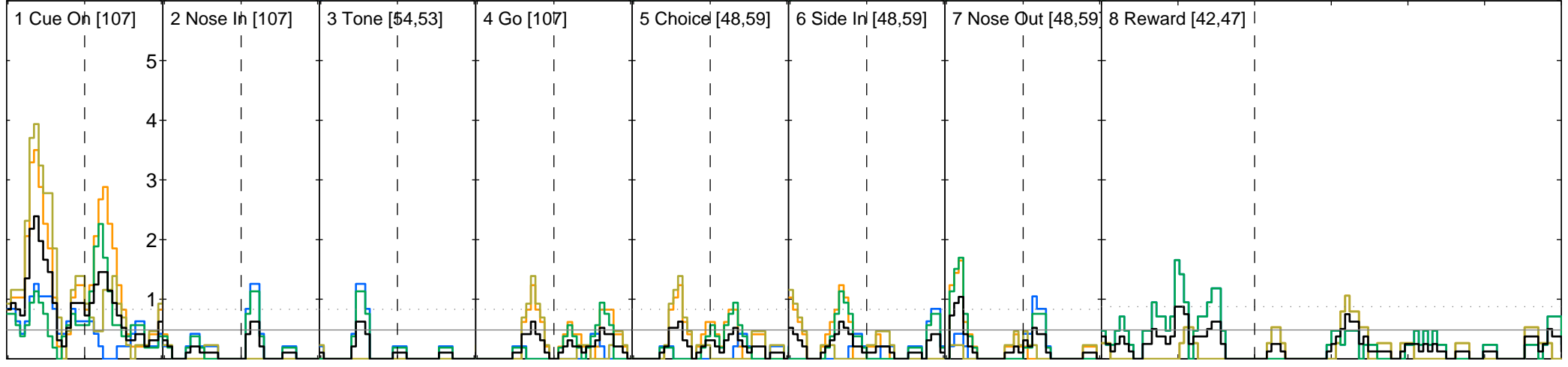
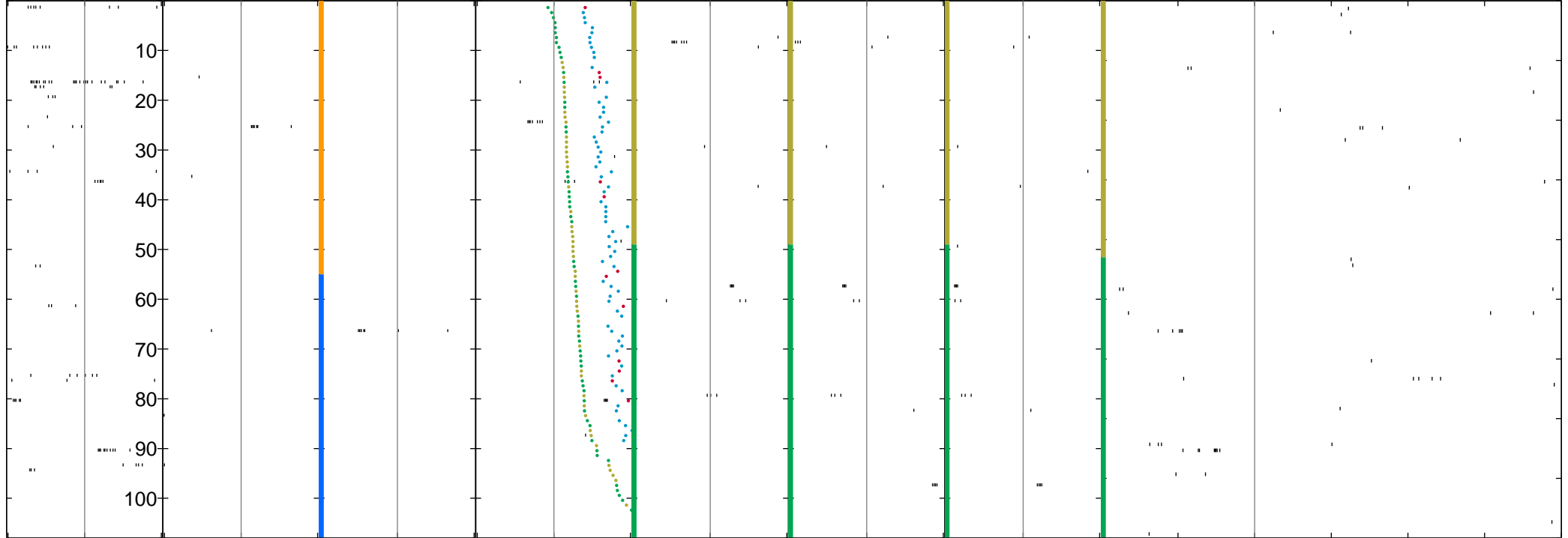
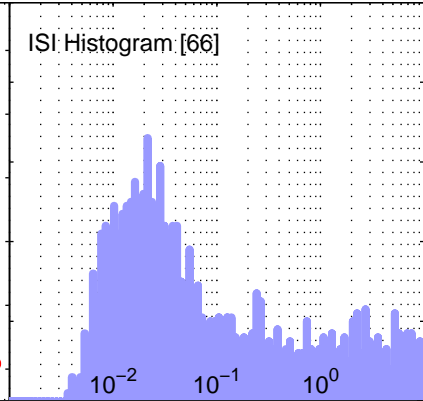
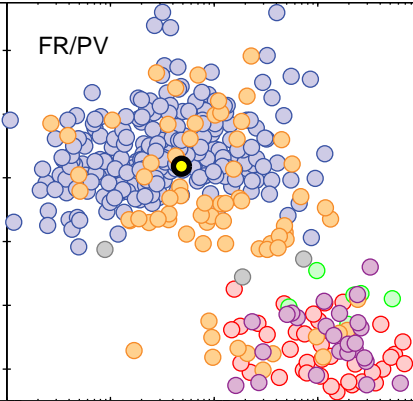
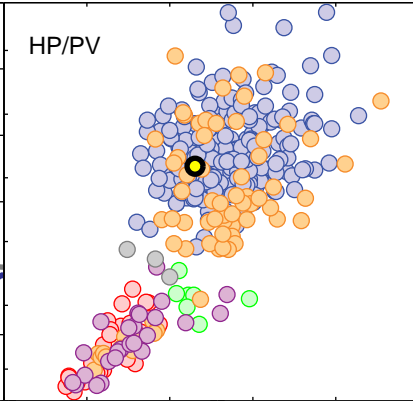
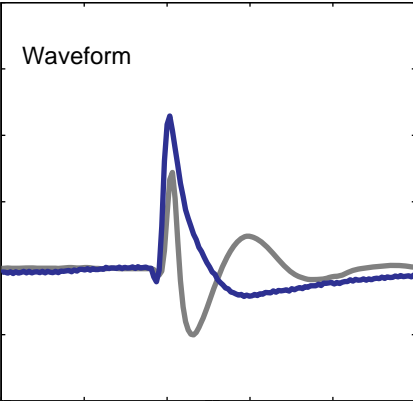
MSN



Cell: C0320070625T06a

AP: 1.7 ML: 1.3 DV: 7
w: 3 n: 2120 $P_{ISI>2}$: 0.93
1/2pw: 230 μ s p->v: 837 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.483 Hz
Pk Ev: None
Pk FR: --

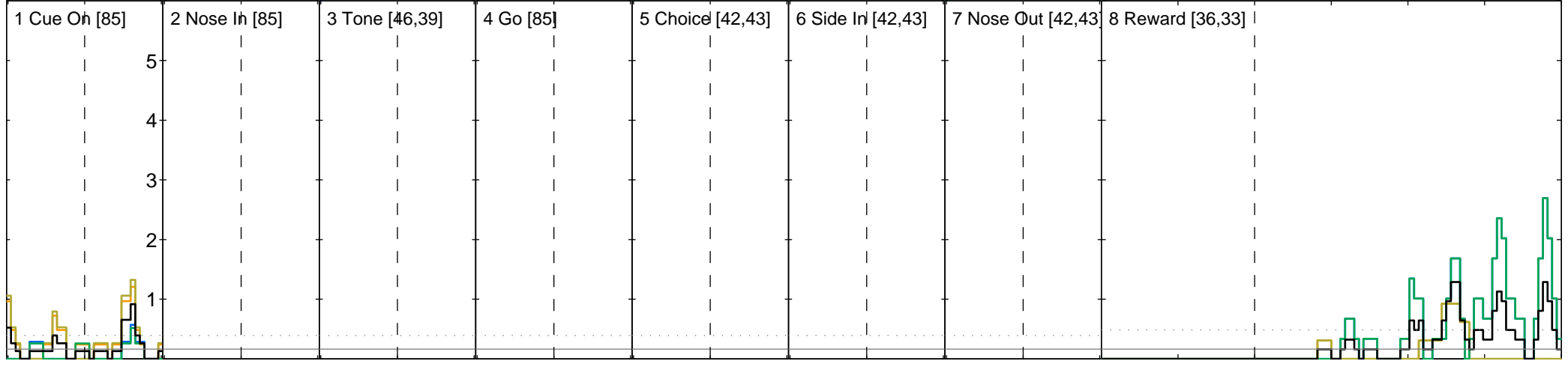
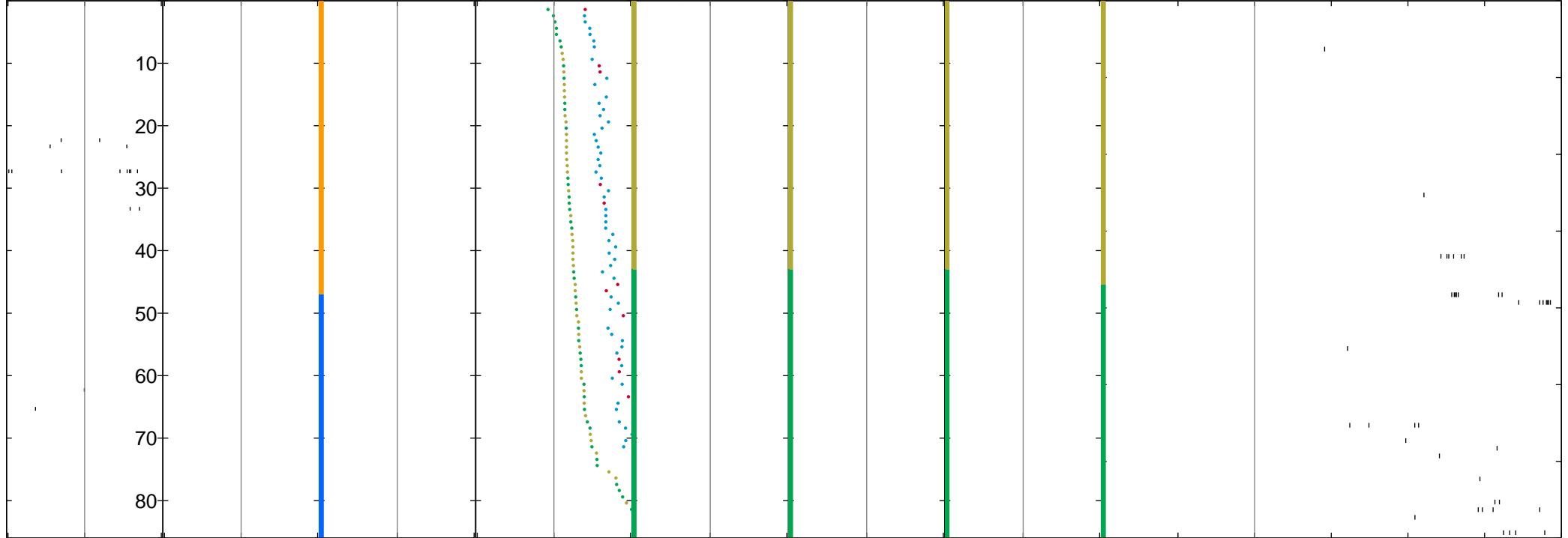
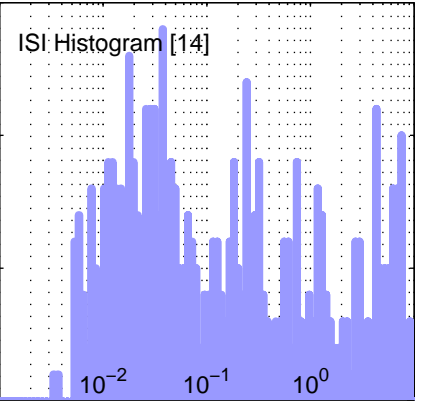
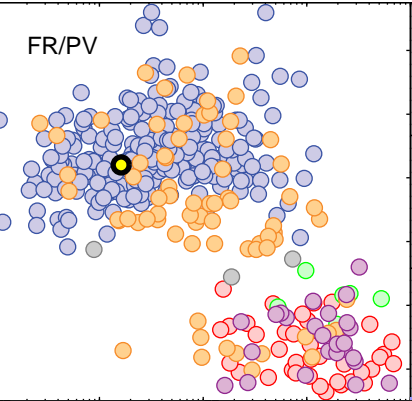
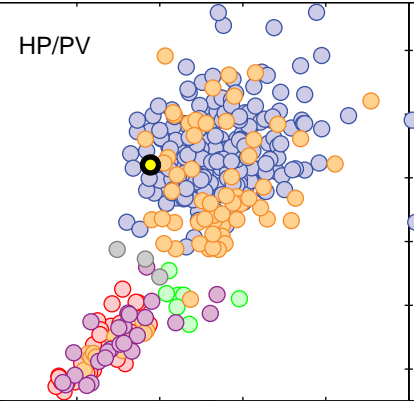
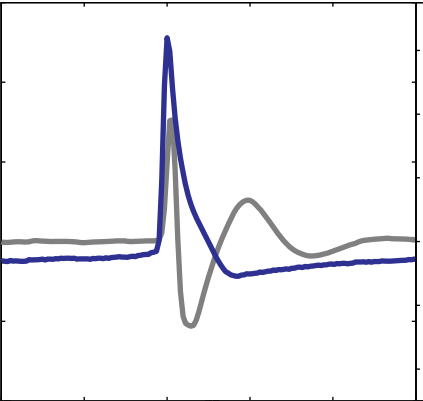
MSN



Cell: C0320070625T07a

AP: 0.96 ML: 3.6 DV: 6.6
w: 3 n: 556 $P_{ISI>2}$: 0.97
1/2pw: 189 μ s p->v: 840 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.162 Hz
Pk Ev: None
Pk FR: --

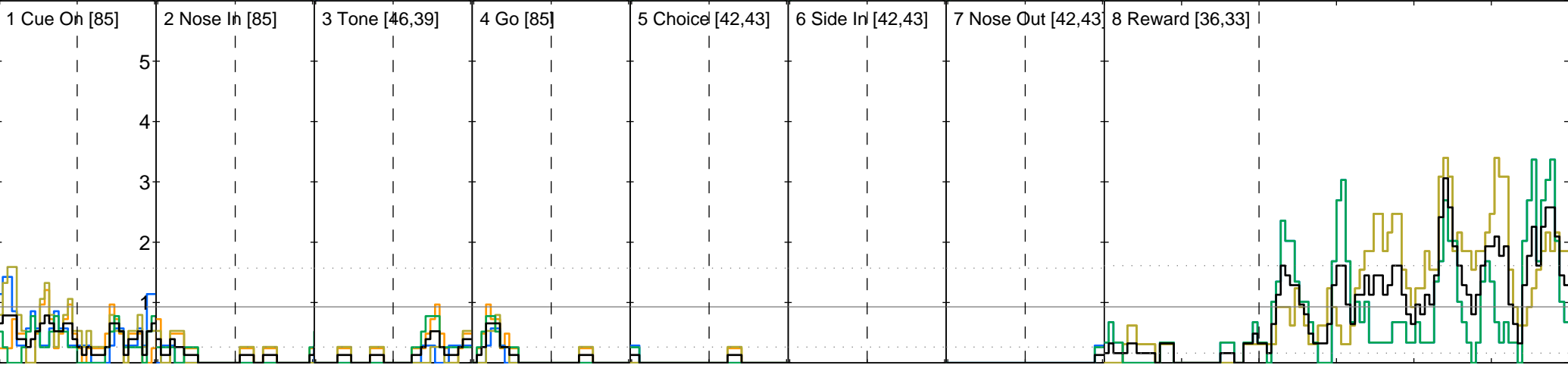
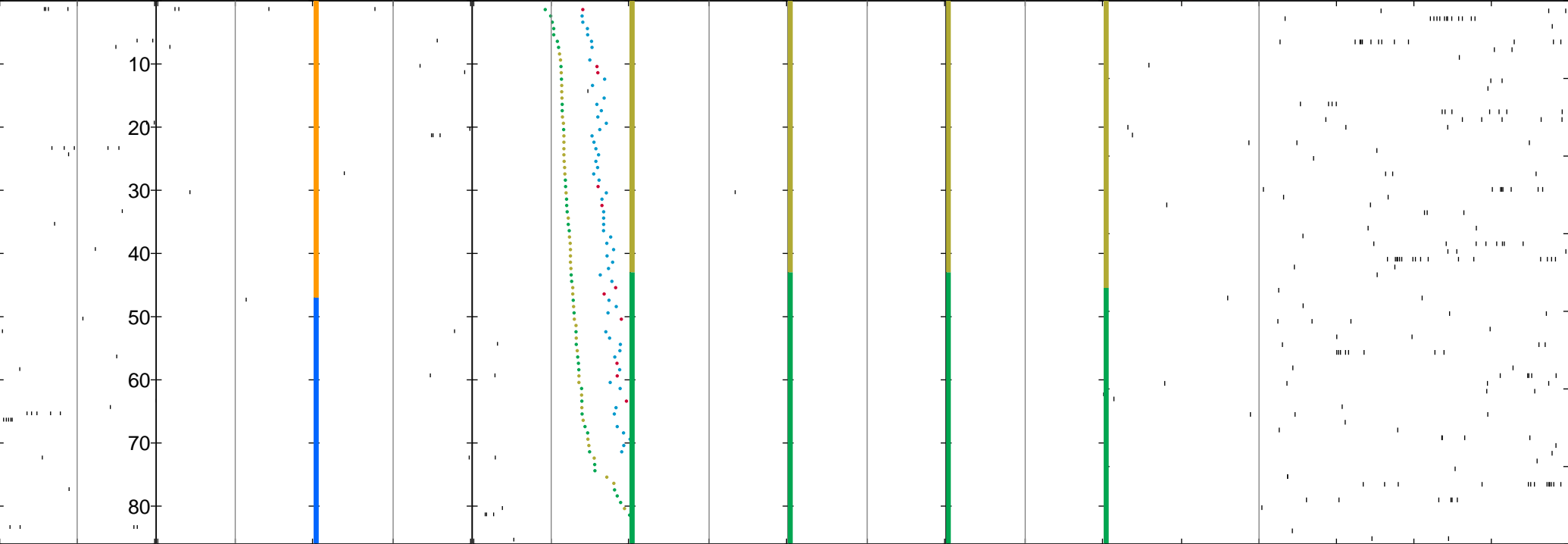
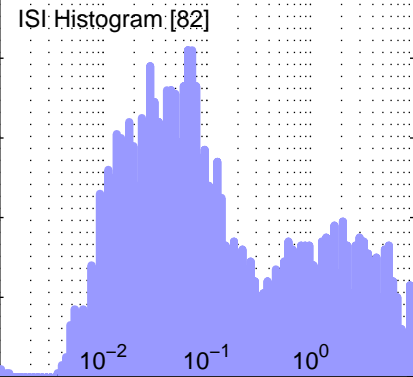
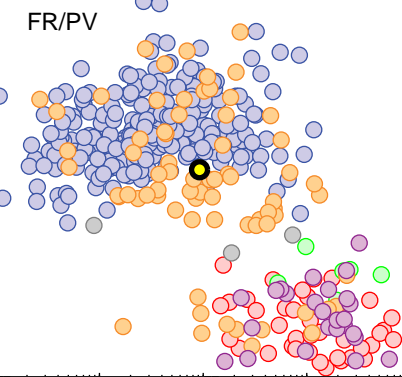
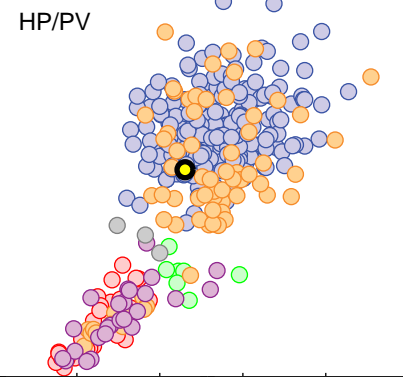
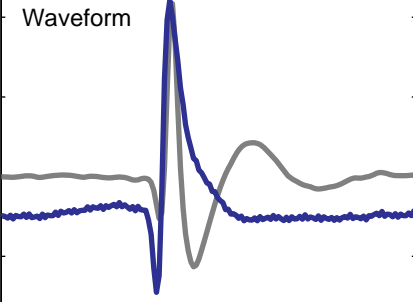
MSN



Cell: C0320070625T07b

AP: 0.96 ML: 3.6 DV: 6.6
w: 3 n: 3246 $P_{ISI>2}$: 0.81
1/2pw: 230 μ s p \rightarrow v: 750 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.928 Hz
Pk Ev: None
Pk FR: --

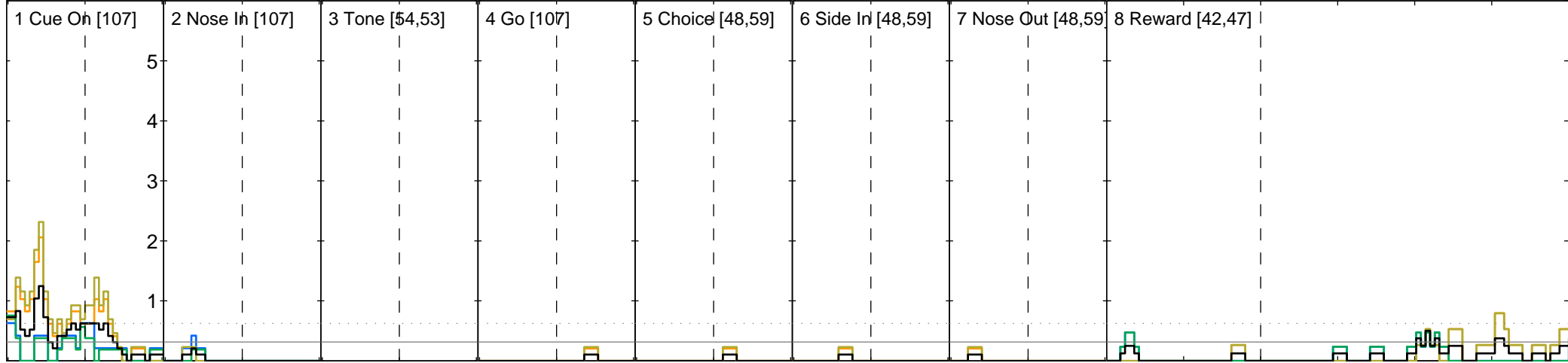
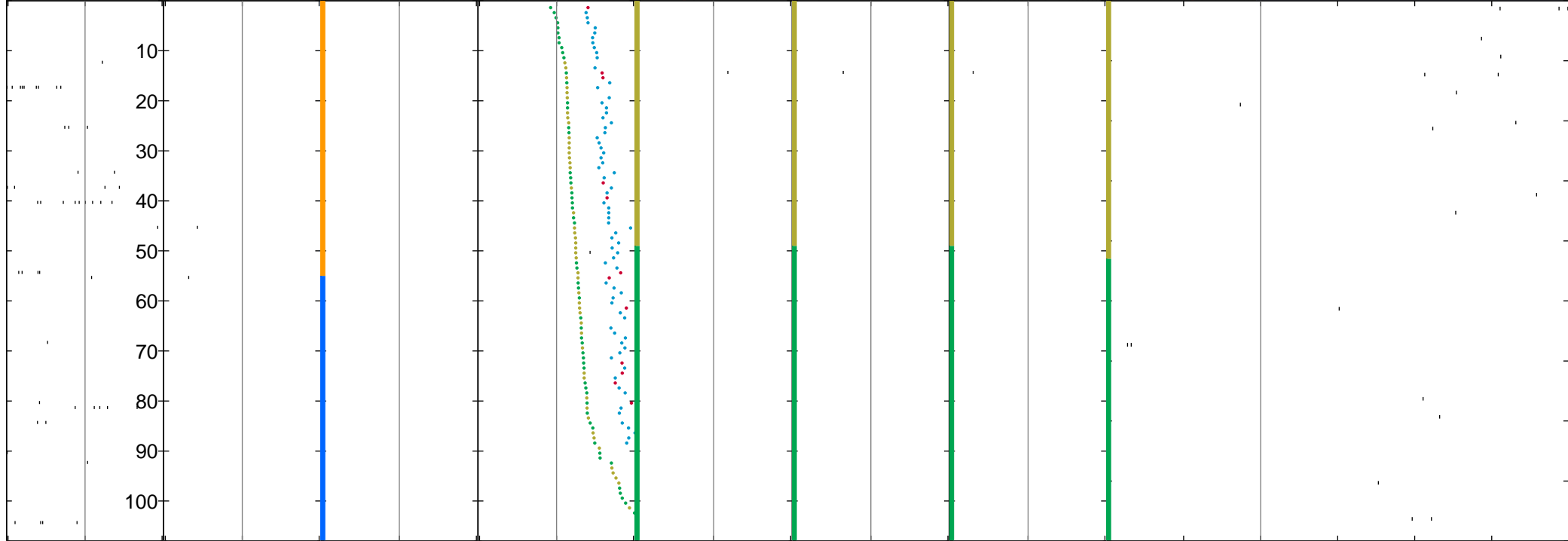
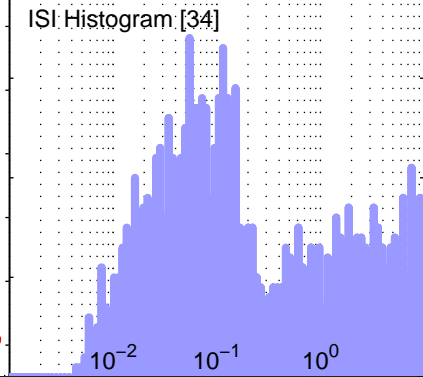
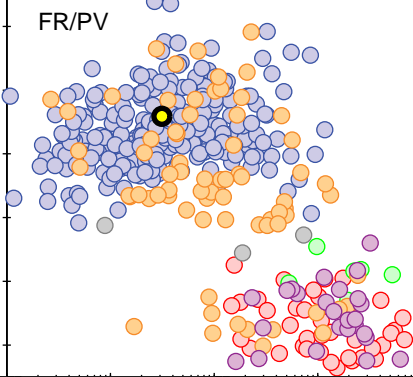
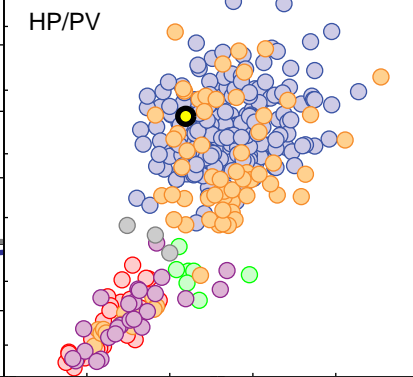
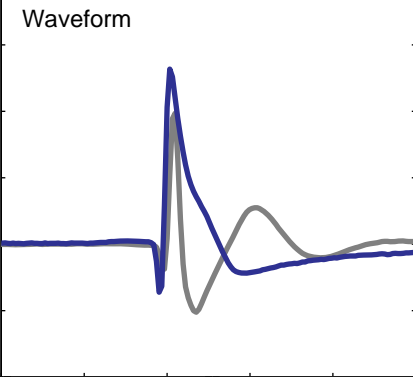
MSN



Cell: C0320070625T09b

AP: 1.6 ML: 3.7 DV: 5.5
w: 1 n: 1382 $P_{ISI>2}$: 0.94
1/2pw: 219 μ s p->v: 918 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.313 Hz
Pk Ev: None
Pk FR: --

MSN

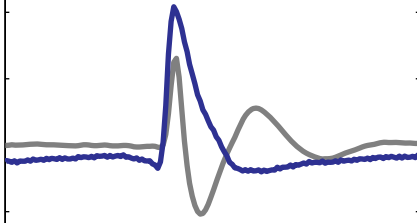


Cell: C0320070625T09c

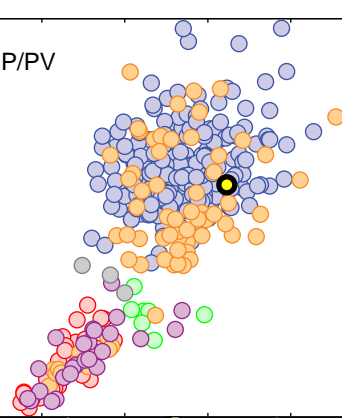
AP: 1.6 ML: 3.7 DV: 5.5
w: 2 n: 1887 $P_{ISI>2}$: 0.88
1/2pw: 323 μ s p->v: 829 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.427 Hz
Pk Ev: None
Pk FR: --

MSN

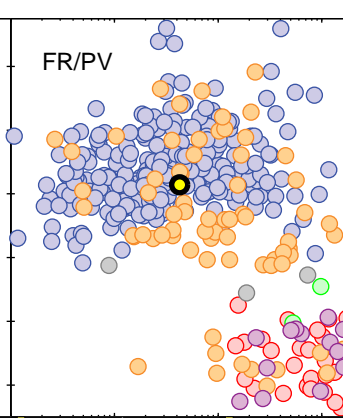
Waveform



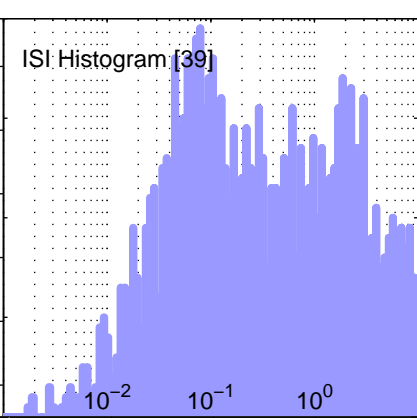
HP/PV



FR/PV



ISI Histogram [39]



10
20
30
40
50
60
70
80
90
100

1 Cue On [107]

2 Nose In [107]

3 Tone [54,53]

4 Go [107]

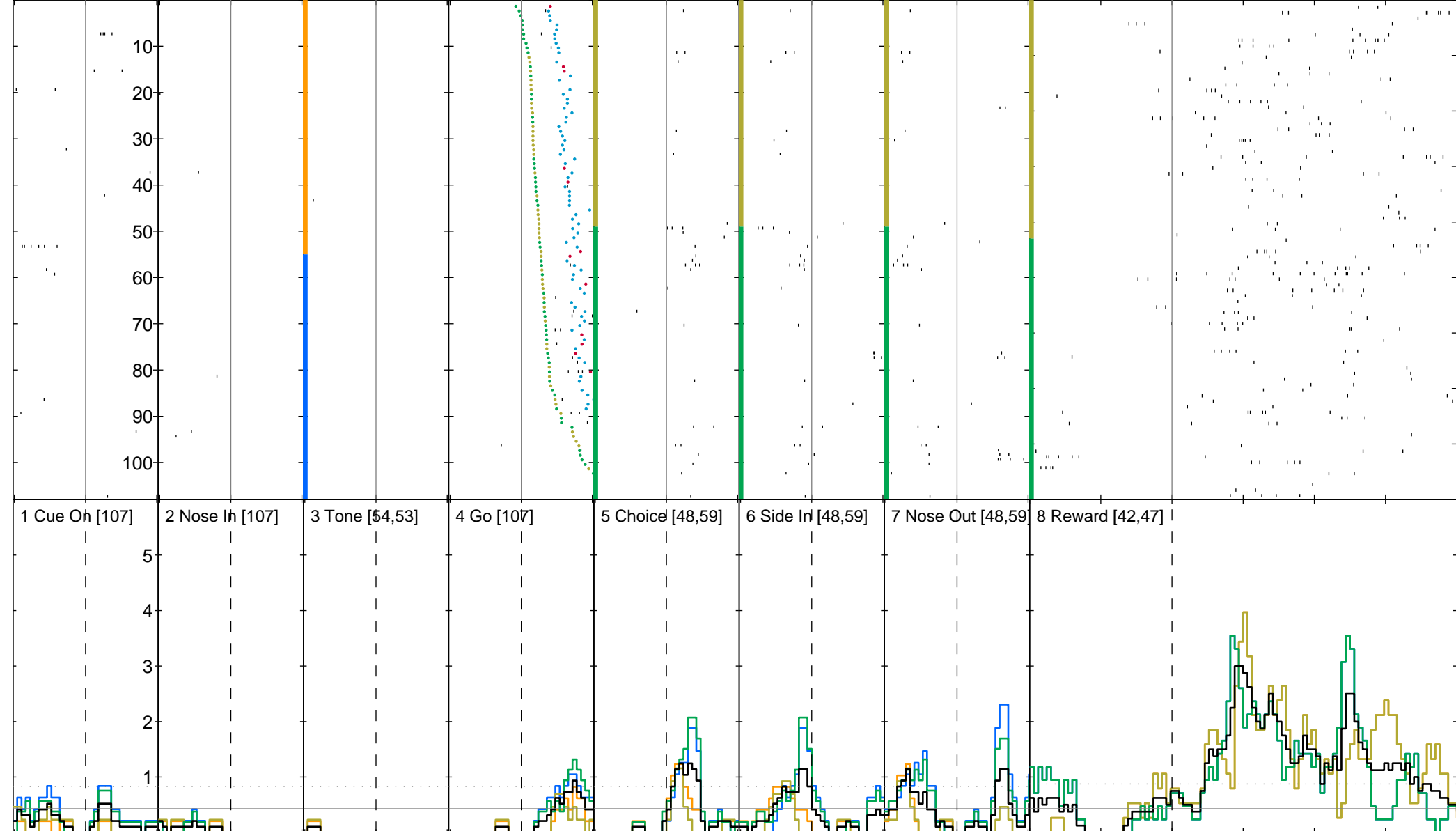
5 Choice [48,59]

6 Side In [48,59]

7 Nose Out [48,59]

8 Reward [42,47]

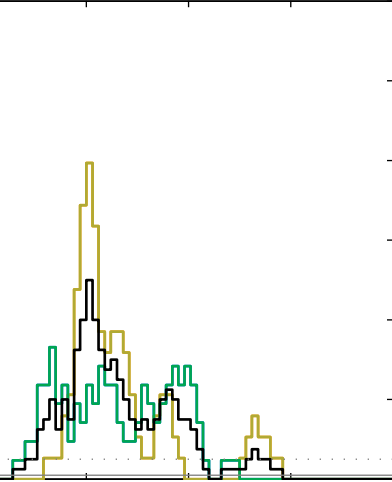
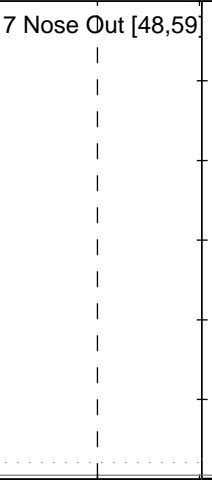
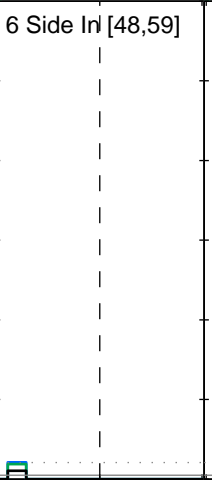
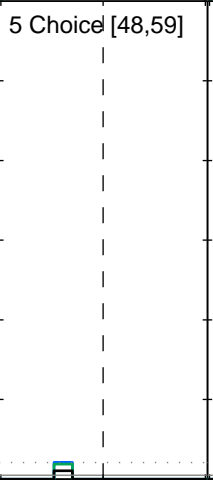
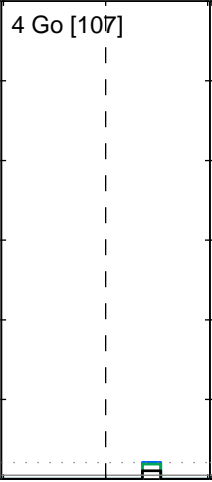
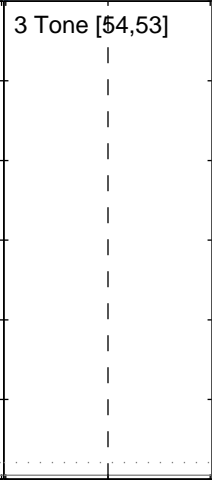
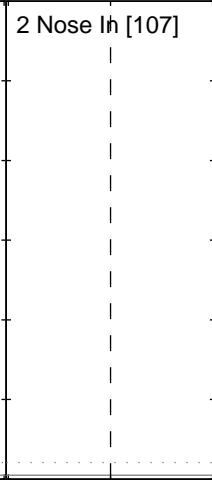
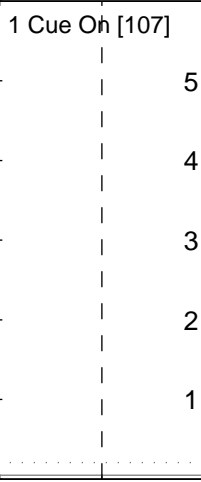
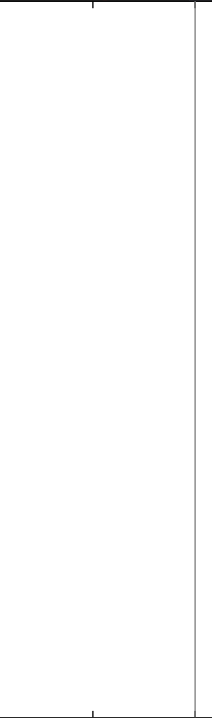
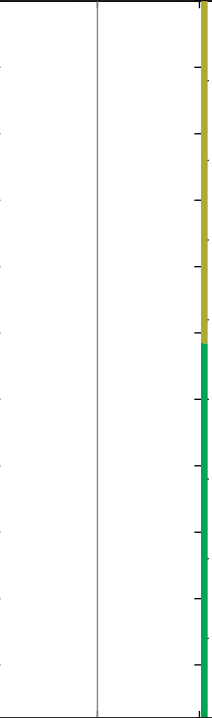
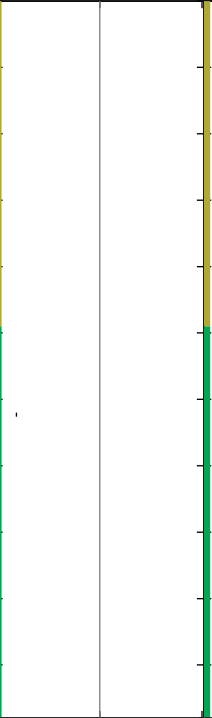
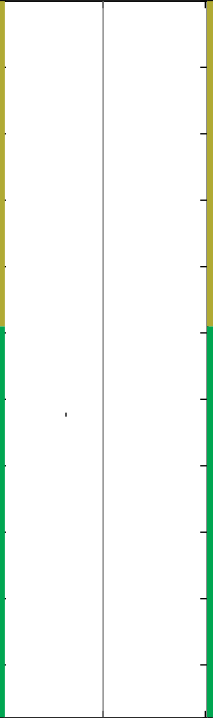
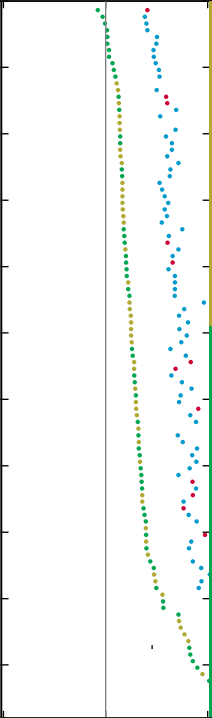
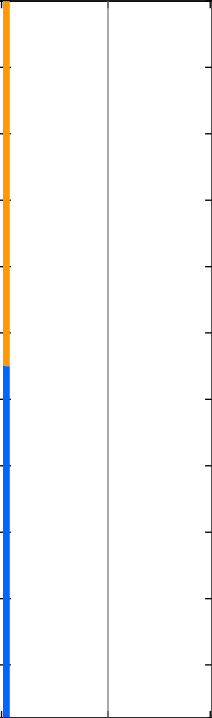
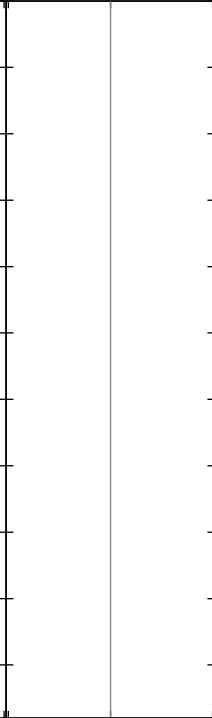
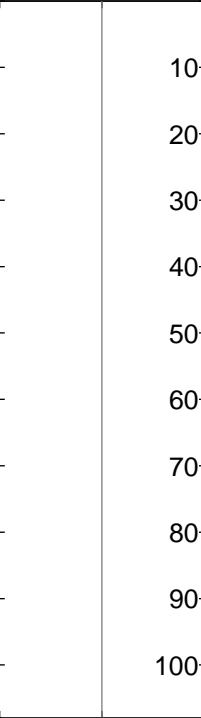
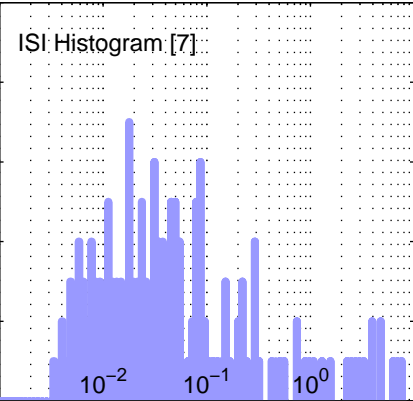
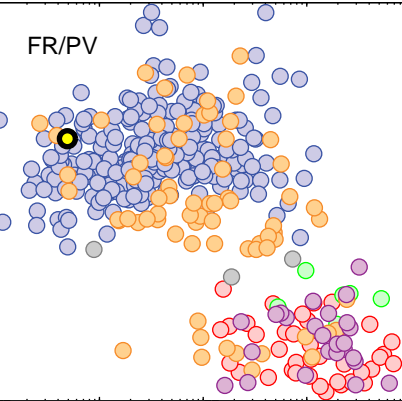
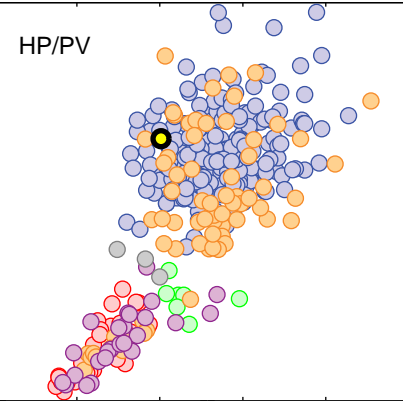
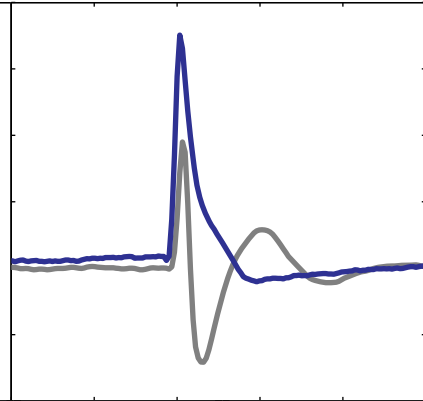
5
4
3
2
1



Cell: C0320070625T09d

AP: 1.6 ML: 3.7 DV: 5.5
w: 4 n: 203 $P_{ISI>2}$: 1
1/2pw: 202 μ s p->v: 923 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0492 Hz
Pk Ev: None
Pk FR: --

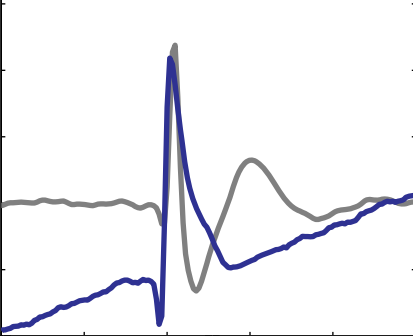
MSN



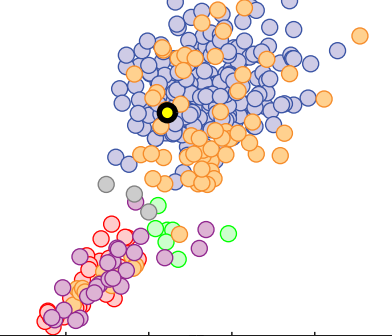
Cell: C0320070625T09e

AP: 1.6 ML: 3.7 DV: 5.5
w: 4 n: 221 $P_{ISI>2}$: 0.99
1/2pw: 222 μ s p->v: 800 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0529 Hz
Pk Ev: None
Pk FR: --

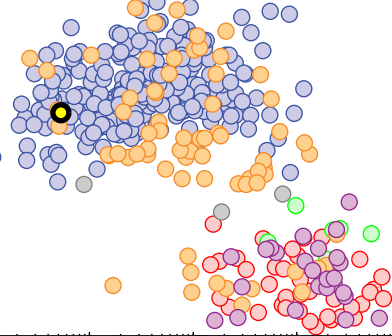
Waveform



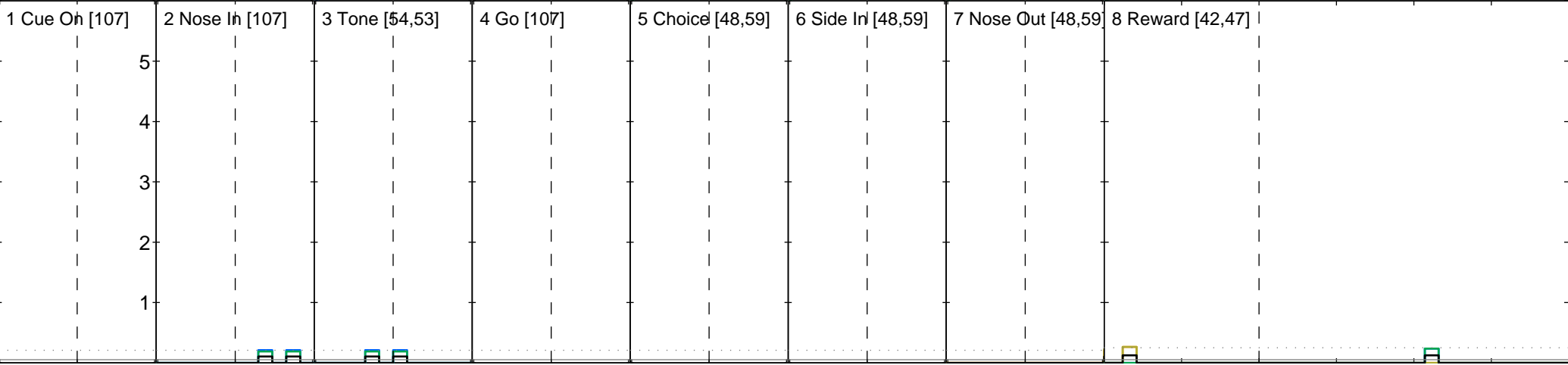
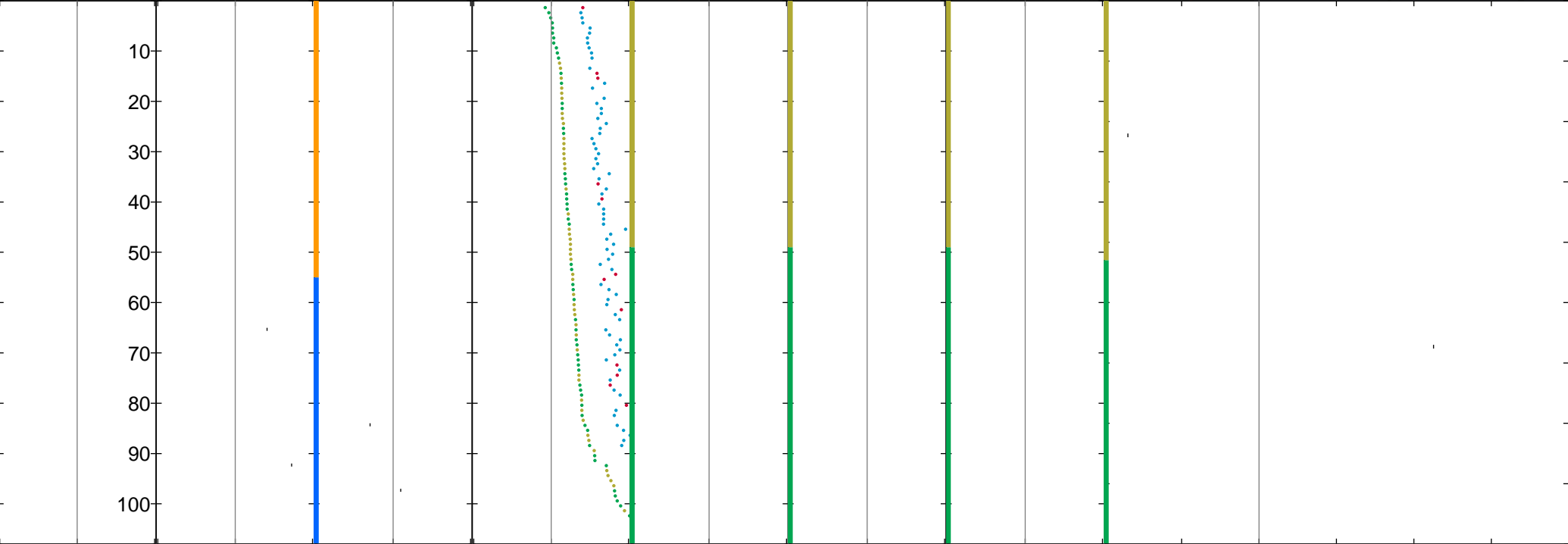
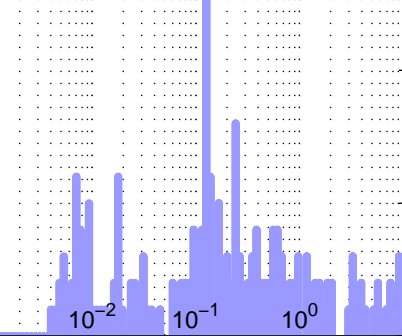
HP/PV



FR/PV



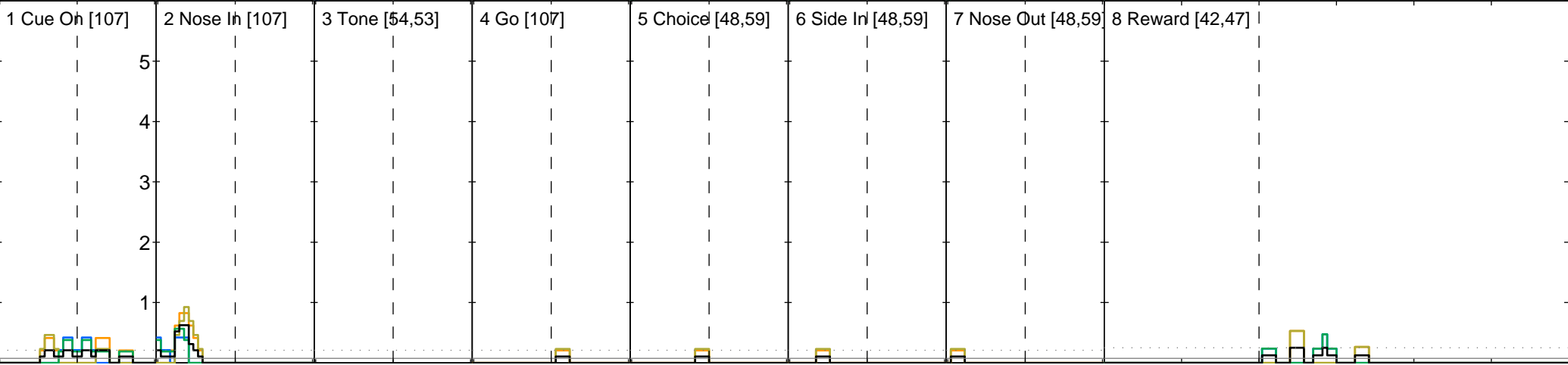
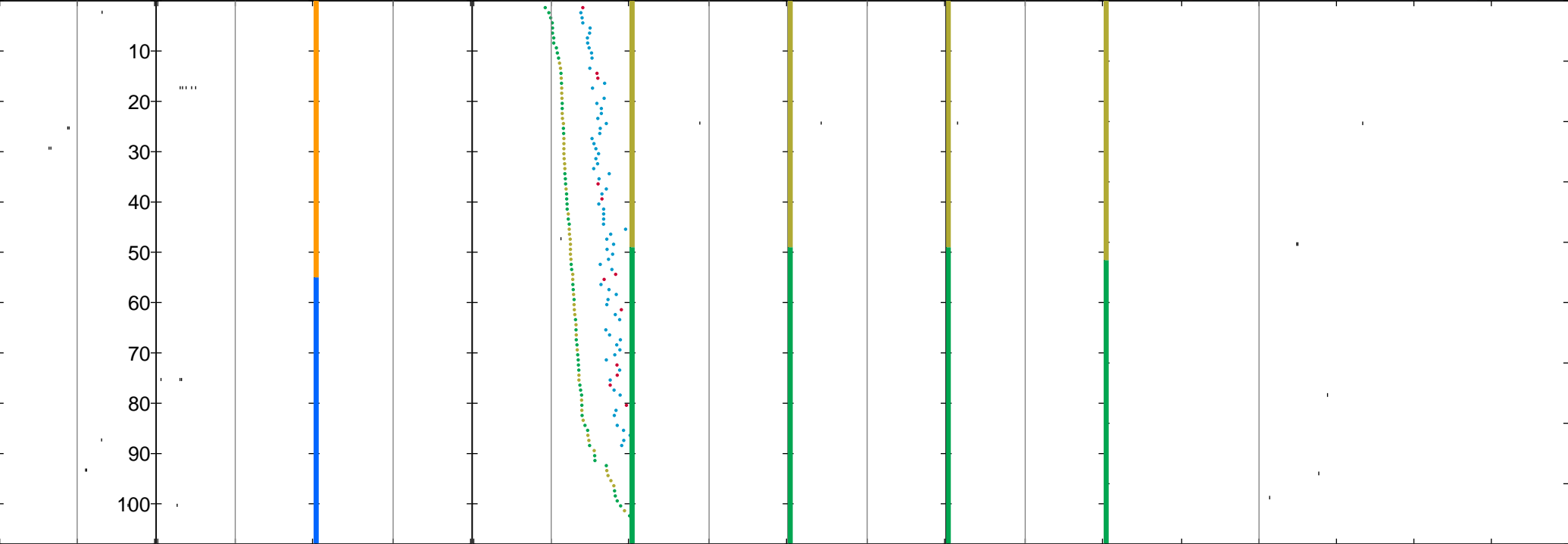
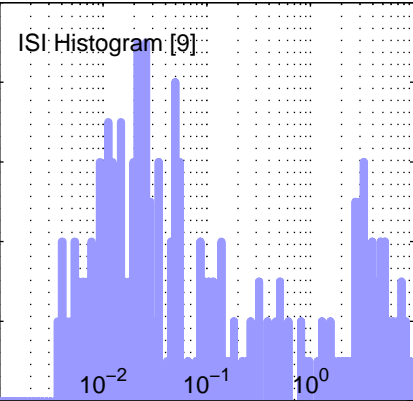
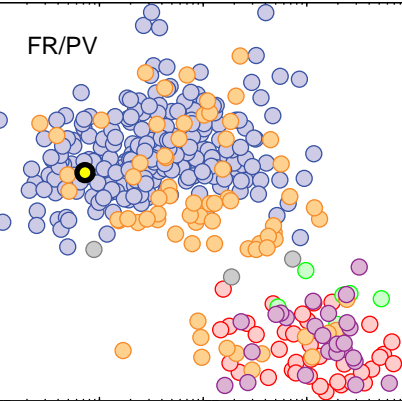
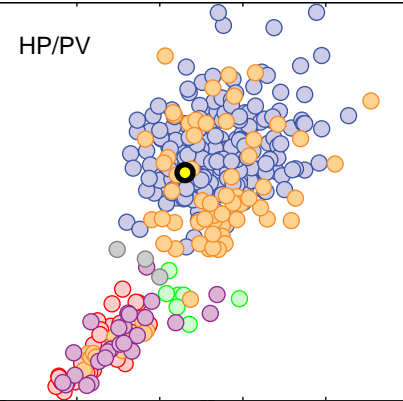
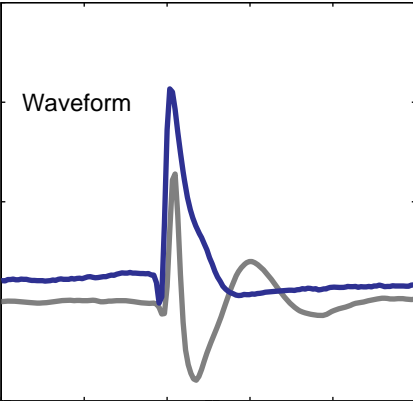
ISI Histogram [13]



Cell: C0320070625T09F

AP: 1.6 ML: 3.7 DV: 5.5
w: 3 n: 320 $P_{ISI>2}$: 0.99
1/2pw: 230 μ s p->v: 816 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0726 Hz
Pk Ev: None
Pk FR: --

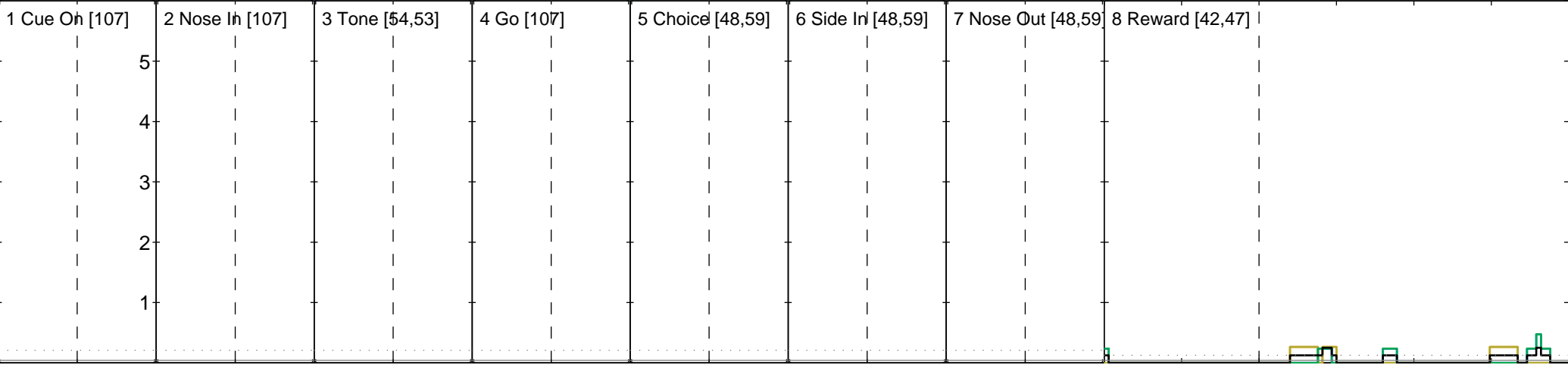
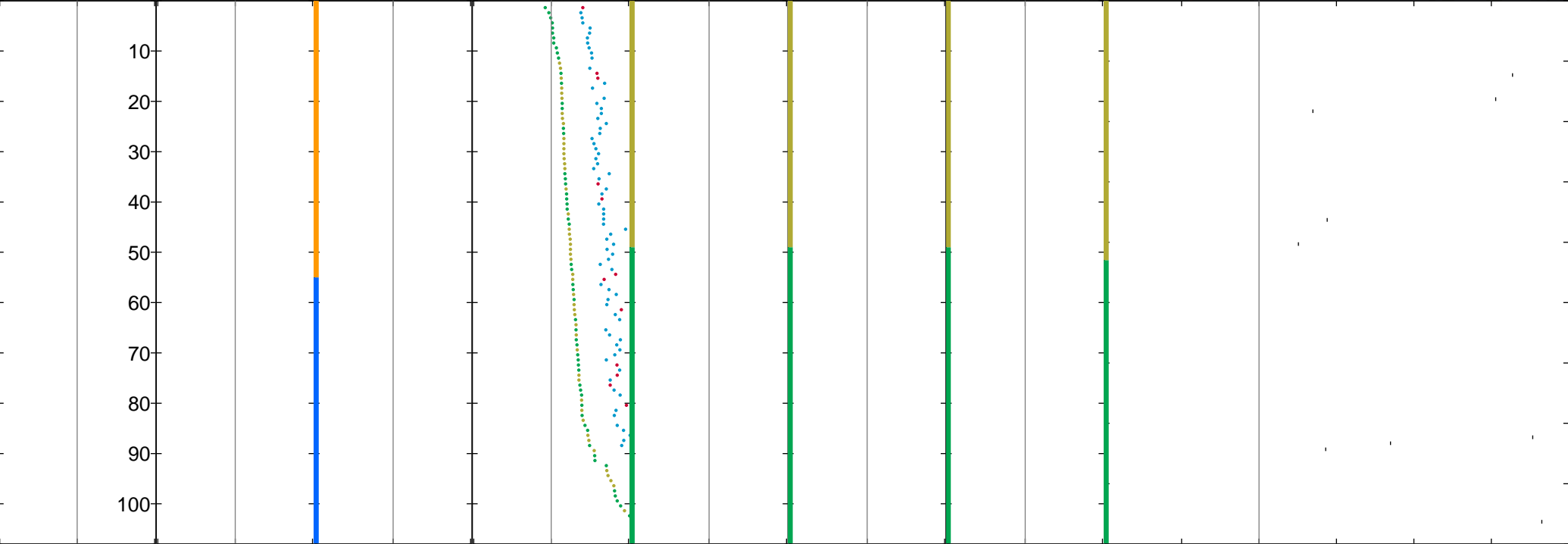
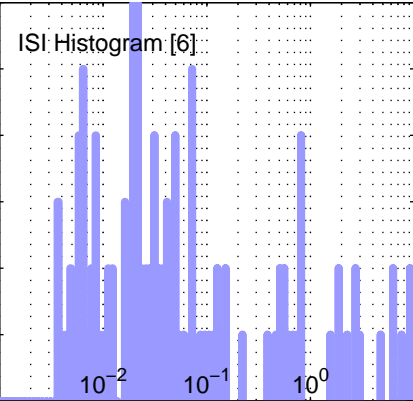
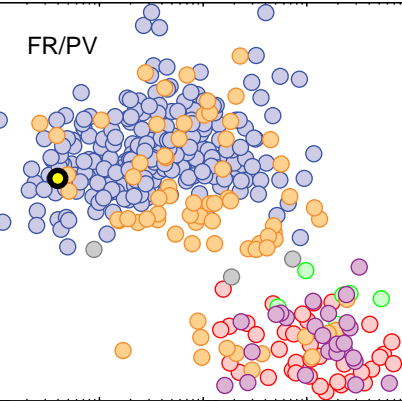
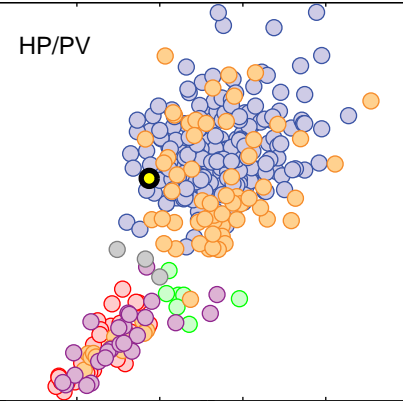
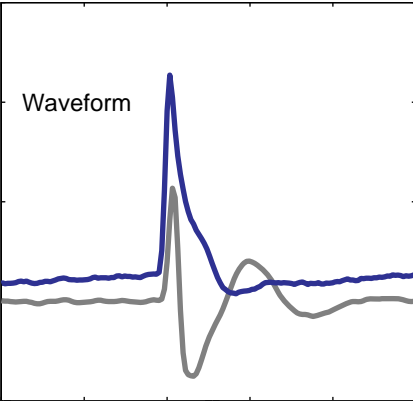
MSN



Cell: C0320070625T09g

AP: 1.6 ML: 3.7 DV: 5.5
w: 3 n: 172 $P_{ISI>2}$: 1
1/2pw: 187 μ s p->v: 798 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0395 Hz
Pk Ev: None
Pk FR: --

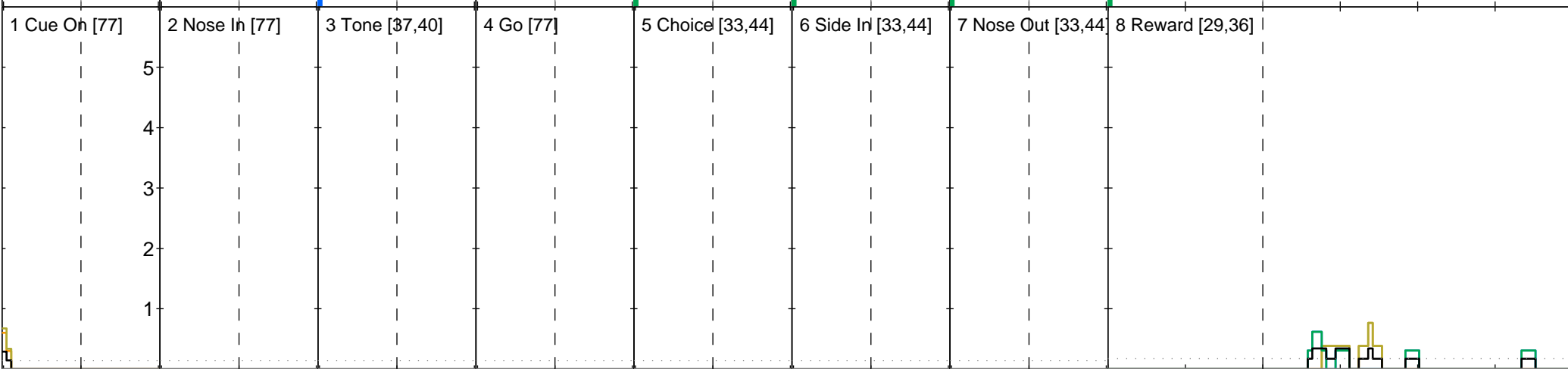
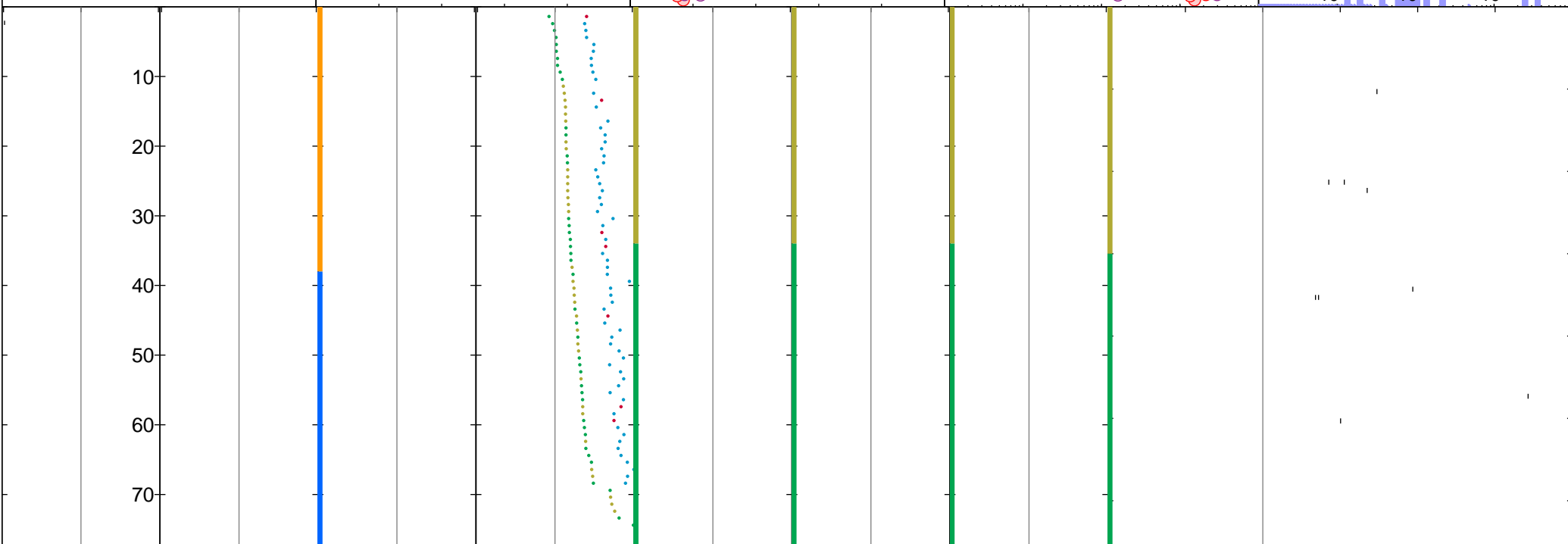
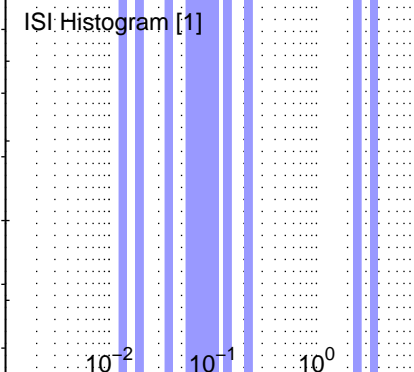
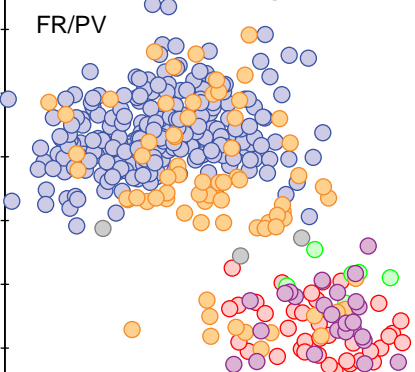
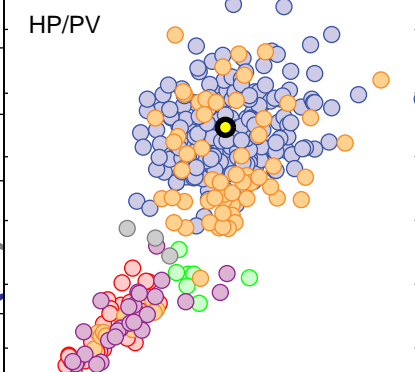
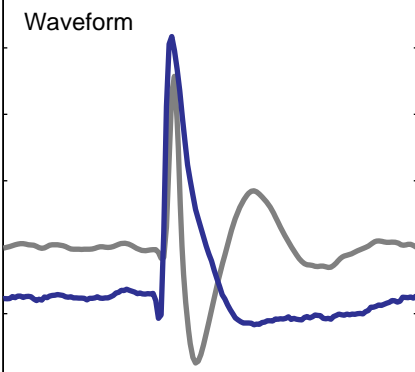
MSN



Cell: C0320070625T11b

AP: -0.96 ML: 3.7 DV: 6.2
w: 3 n: 26 $P_{ISI>2}$: 1
1/2pw: 267 μ s p->v: 893 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.00942 Hz
Pk Ev: None
Pk FR: --

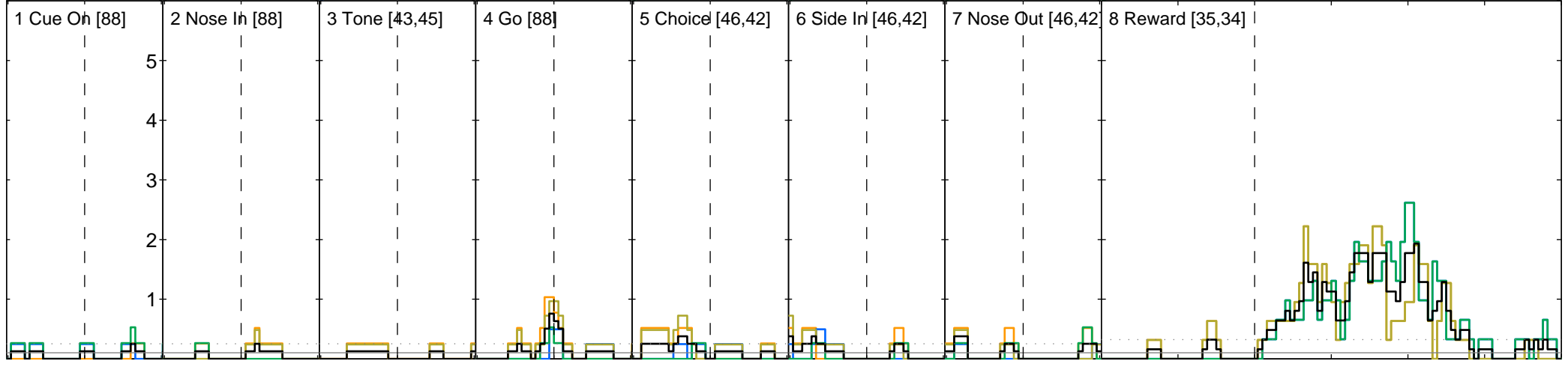
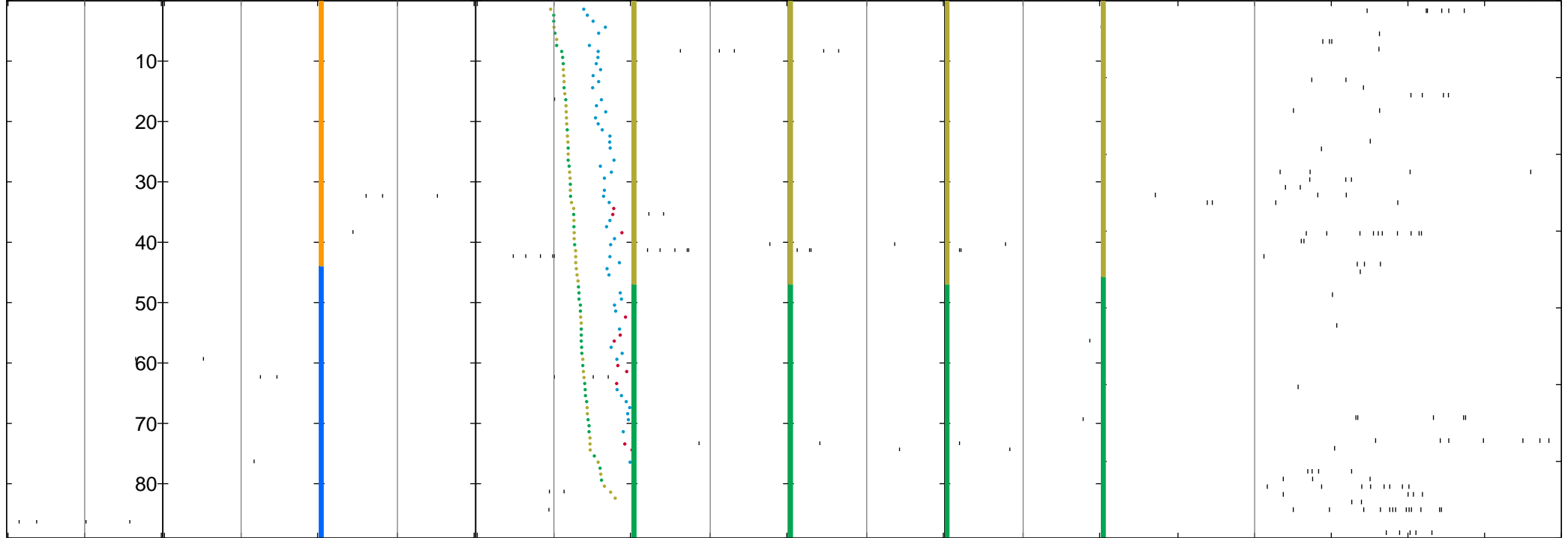
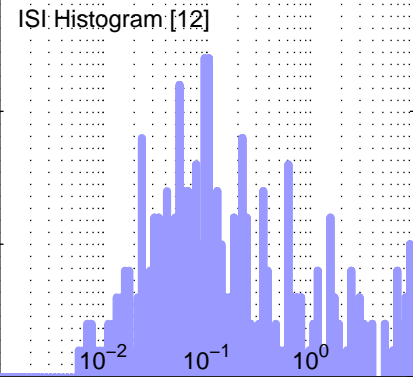
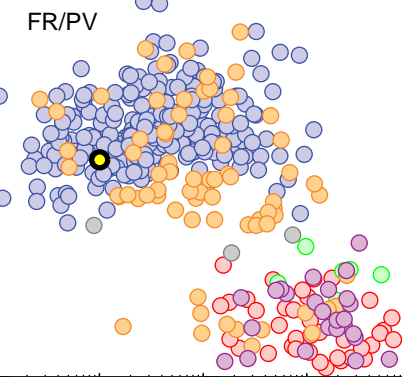
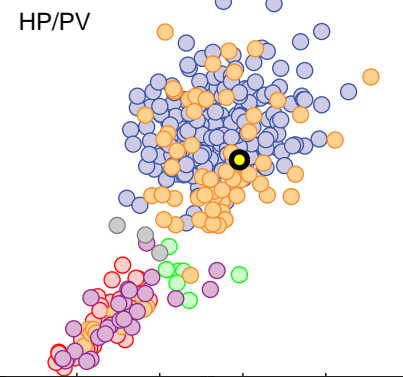
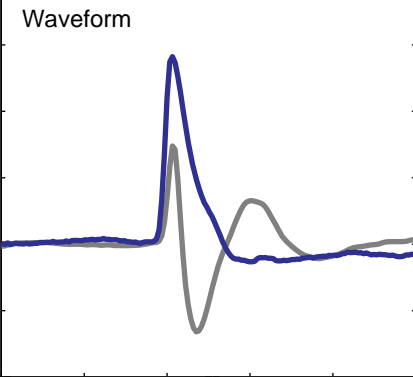
MSN



Cell: C0320070626T09b

AP: 1.6 ML: 3.7 DV: 5.6
w: 3 n: 372 $P_{ISI>2}$: 0.98
1/2pw: 296 μ s p->v: 781 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.101 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0320070626T09c

AP: 1.6 ML: 3.7 DV: 5.6

w: 3 n: 459 $P_{ISI>2}$: 0.981/2pw: 275 μ s p->v: 778 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

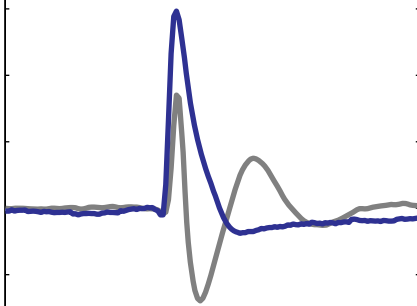
Session FR: 0.124 Hz

Pk Ev: None

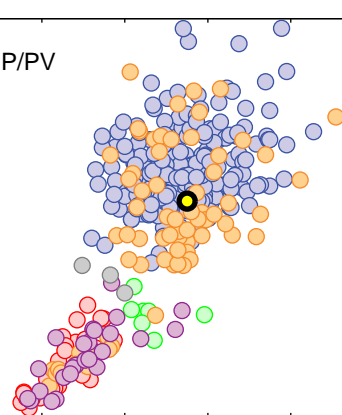
Pk FR: --

MSN

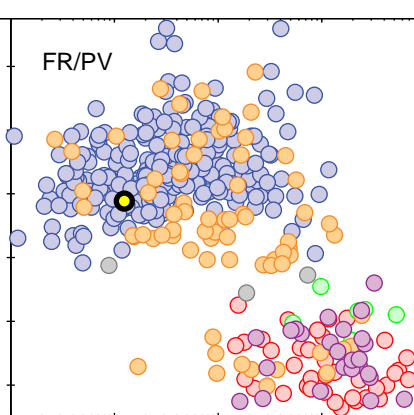
Waveform



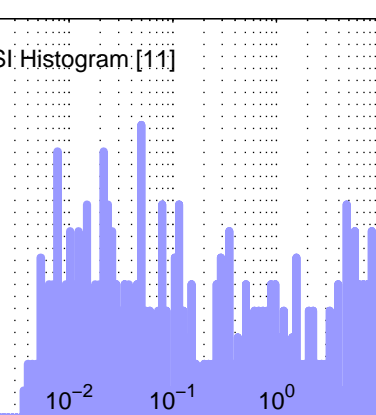
HP/PV



FR/PV



ISI Histogram [11]



10

20

30

40

50

60

70

80

1 Cue On [88]

2 Nose In [88]

3 Tone [43,45]

4 Go [88]

5 Choice [46,42]

6 Side In [46,42]

7 Nose Out [46,42]

8 Reward [35,34]

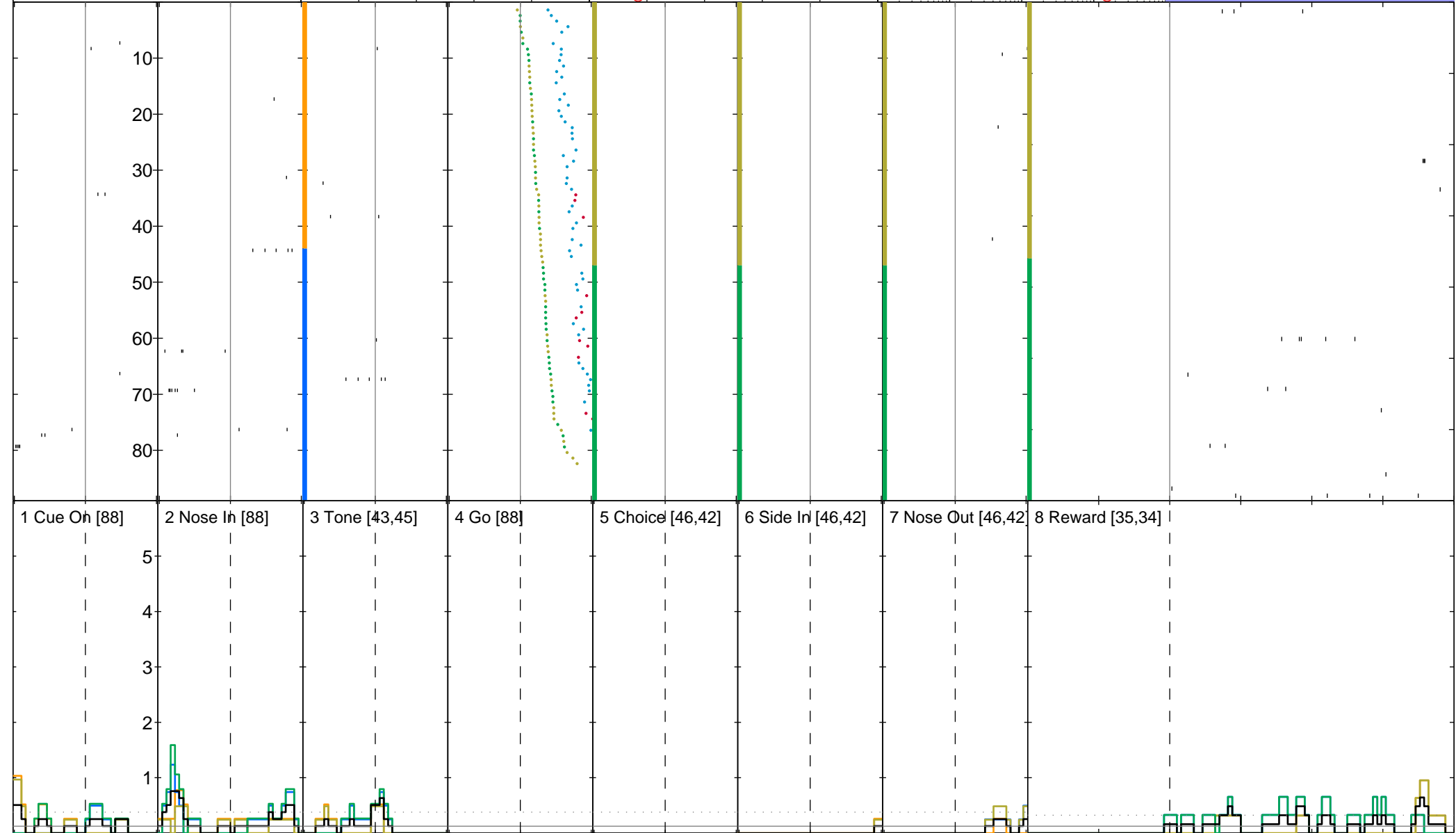
5

4

3

2

1



Cell: C0320070627T06a

AP: 1.7 ML: 1.3 DV: 7.3

w: 4 n: 3565 $P_{ISI>2}$: 0.62

1/2pw: 347 μ s p->v: 806 μ s

β_T : NaN β_D : NaN

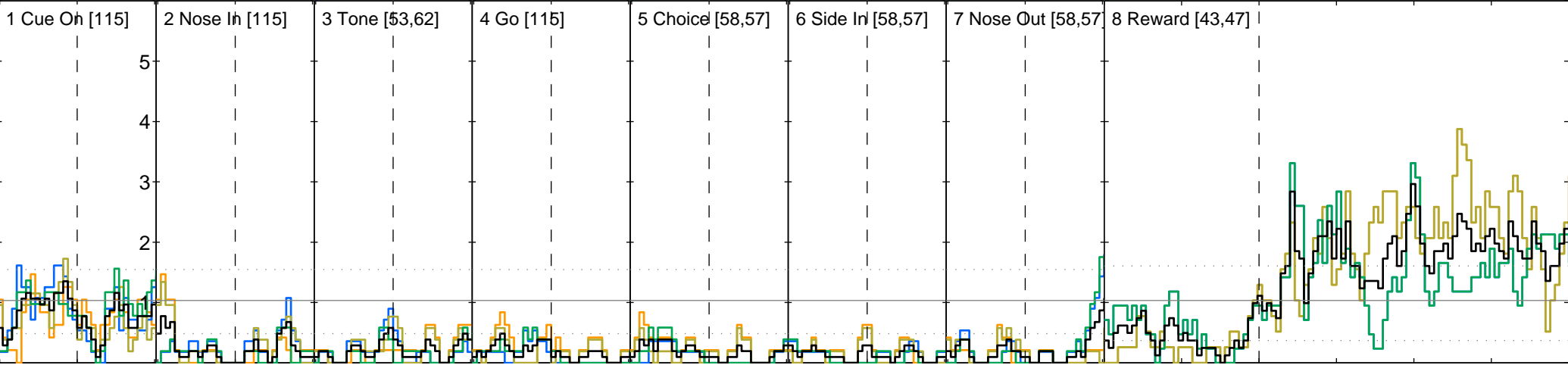
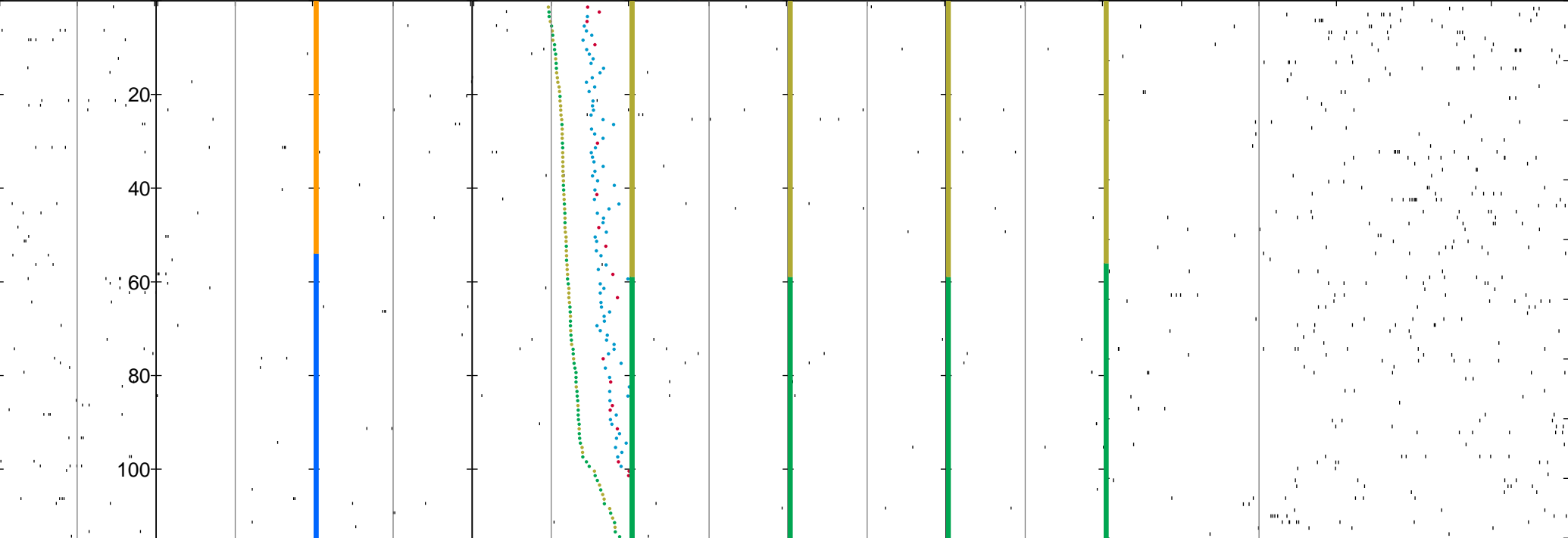
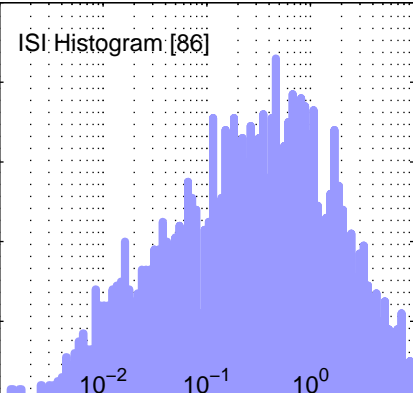
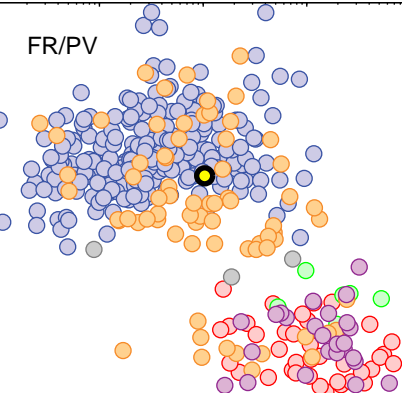
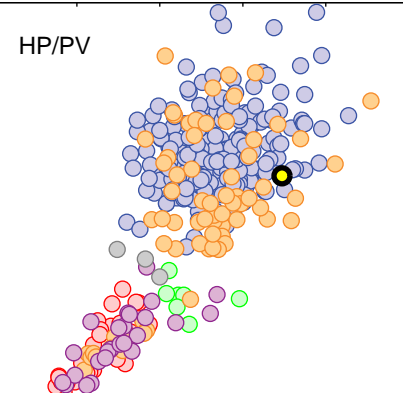
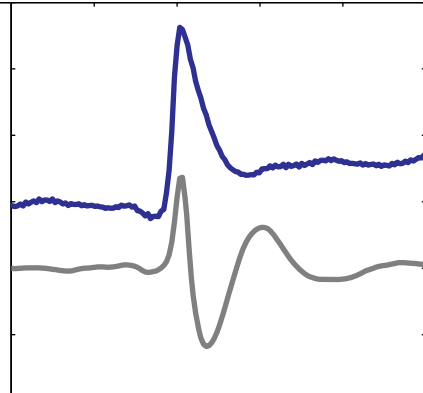
β_P : NaN SI: NaN

Session FR: 1.03 Hz

Pk Ev: None

Pk FR: --

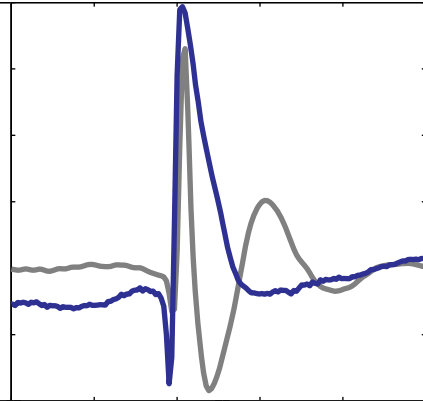
MSN



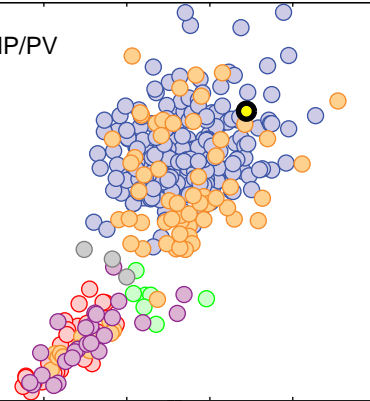
Cell: C0320070627T07a

AP: 0.96 ML: 3.6 DV: 7.1
w: 4 n: 1975 $P_{ISI>2}$: 0.85
1/2pw: 344 μ s p->v: 1010 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.572 Hz
Pk Ev: None
Pk FR: --

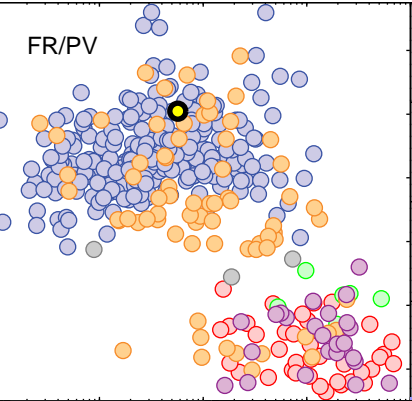
MSN



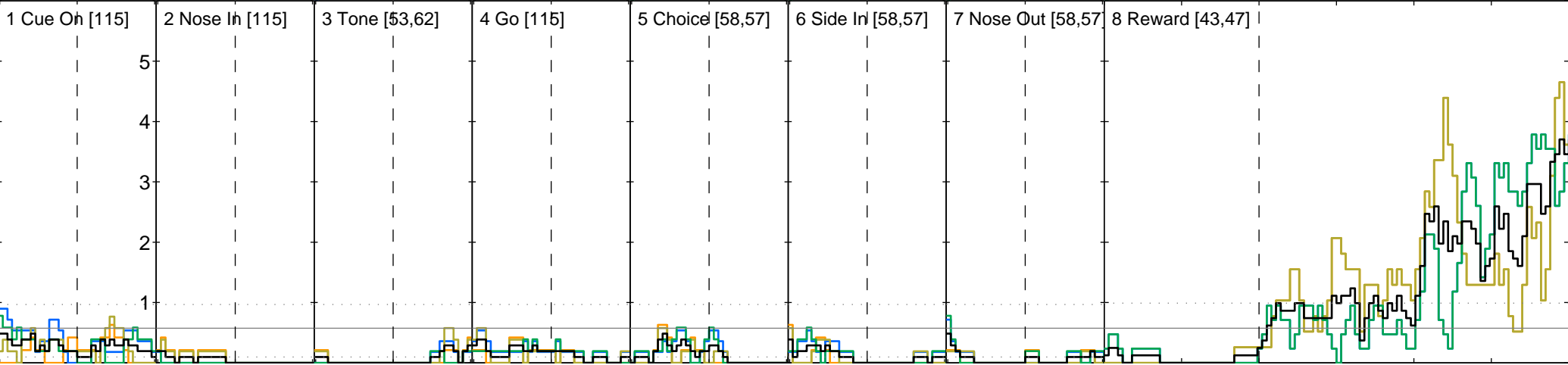
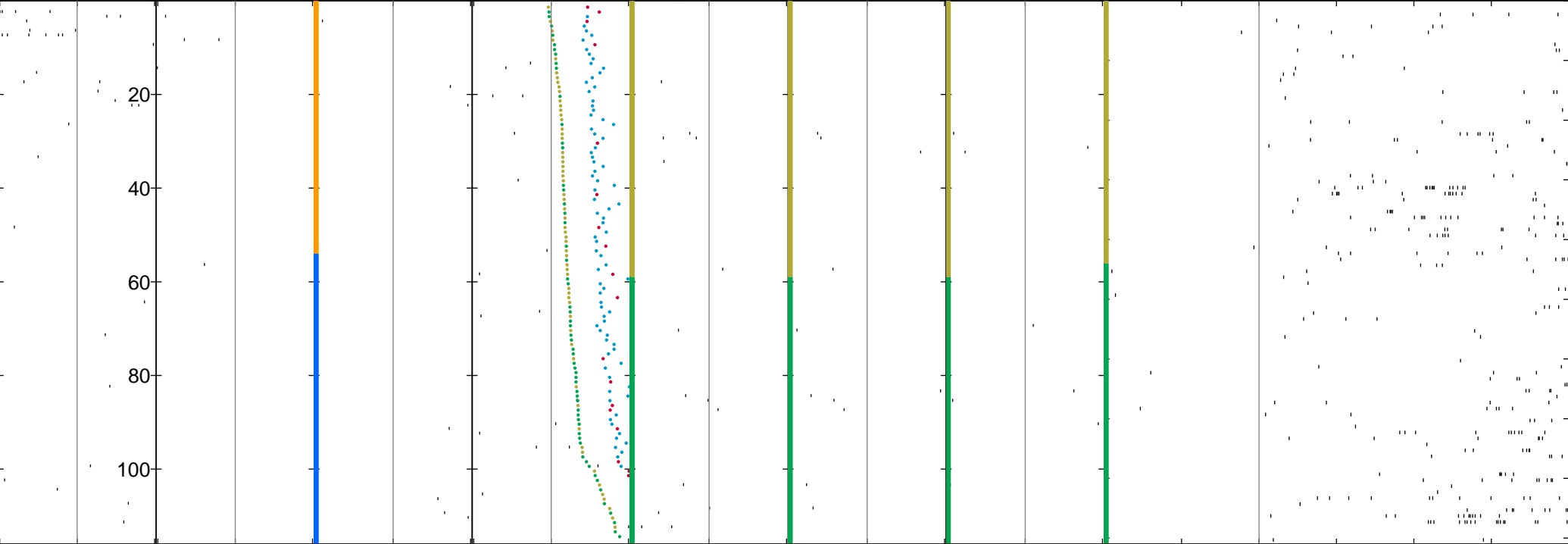
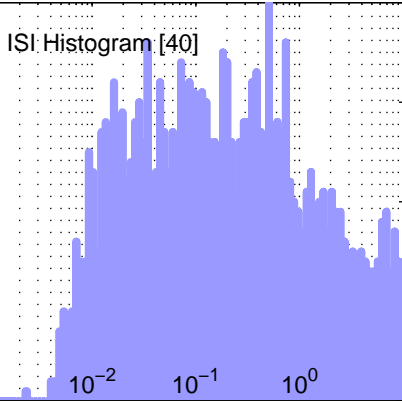
HP/PV



FR/PV



ISI Histogram [40]



Cell: C0320070627T11c

AP: -0.96 ML: 3.7 DV: 6.6

w: 1 n: 425 $P_{ISI>2}$: 0.95

1/2pw: 229 μ s p->v: 734 μ s

β_T : NaN β_D : NaN

β_P : NaN SI: NaN

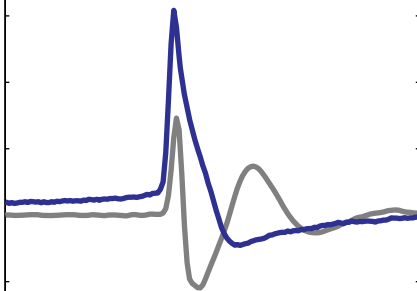
Session FR: 0.174 Hz

Pk Ev: None

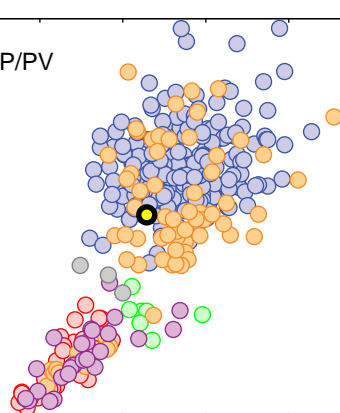
Pk FR: --

MSN

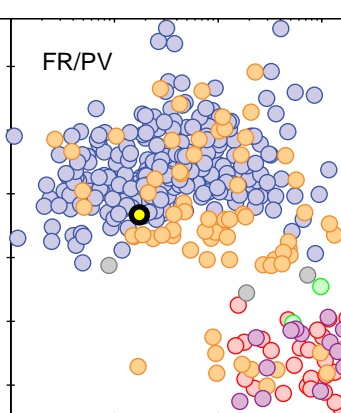
Waveform



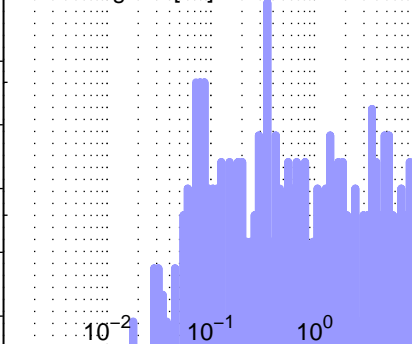
HP/PV



FR/PV



ISI Histogram [13]



10

20

30

40

50

60

70

80

1 Cue On [81]

2 Nose In [81]

3 Tone [32,49]

4 Go [81]

5 Choice [42,39]

6 Side In [42,39]

7 Nose Out [42,39]

8 Reward [28,35]

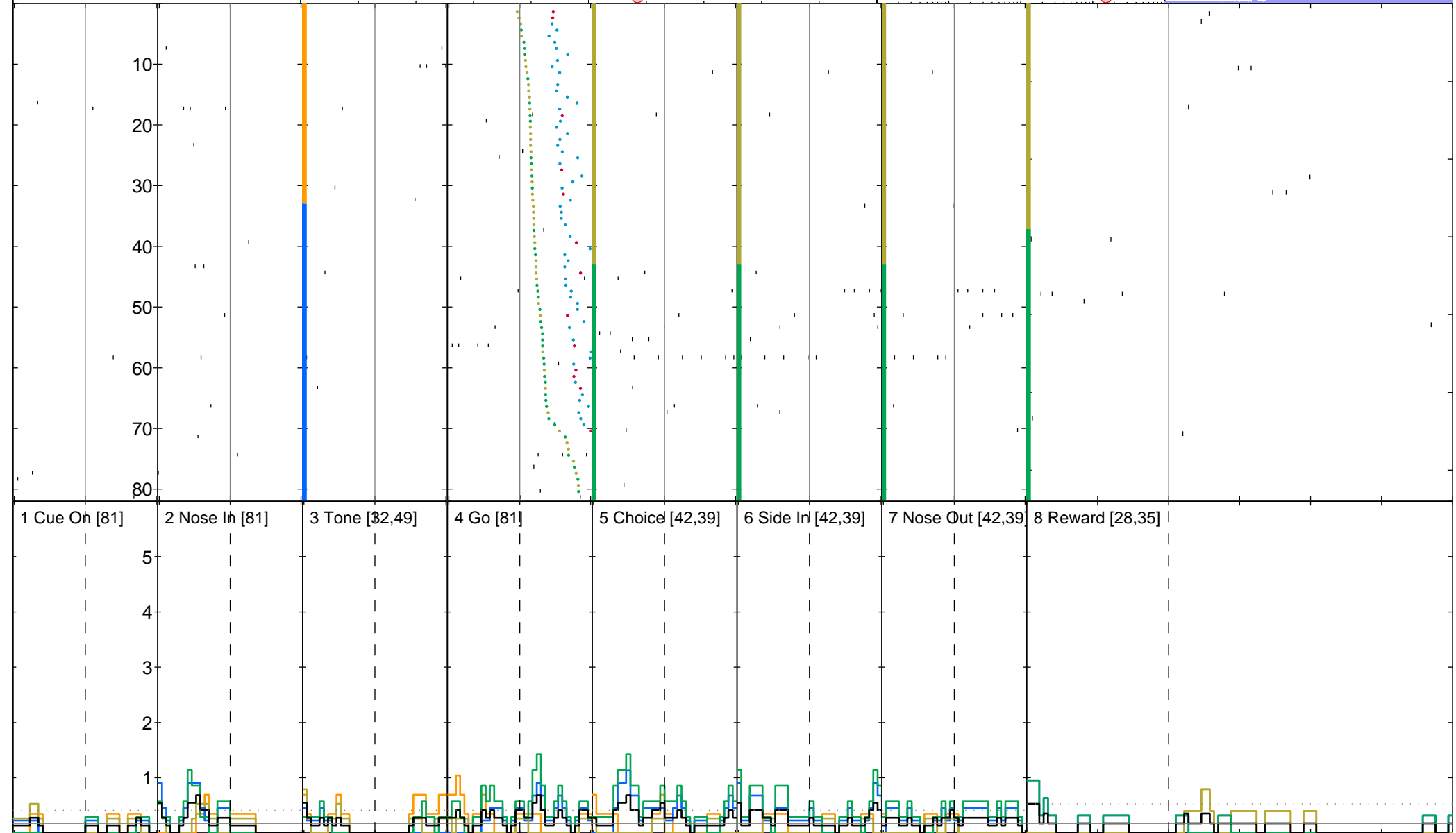
5

4

3

2

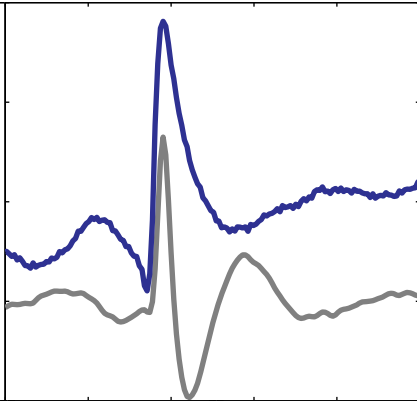
1



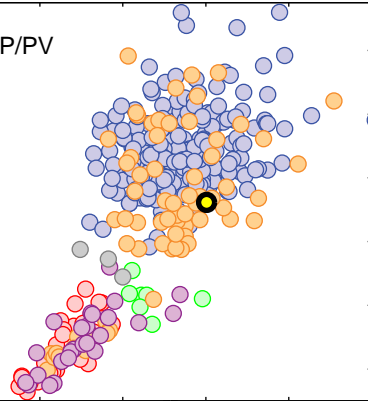
Cell: C0320070630T06b

AP: 1.7 ML: 1.3 DV: 7.5
w: 3 n: 301 $P_{ISI>2}$: 0.98
1/2pw: 301 μ s p->v: 723 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0993 Hz
Pk Ev: None
Pk FR: --

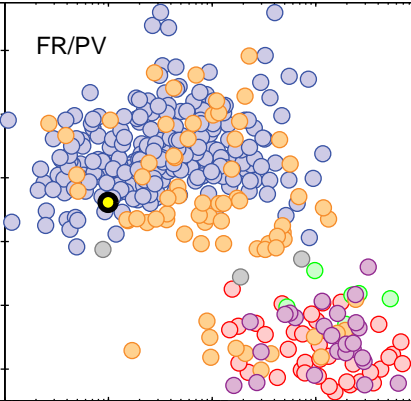
MSN



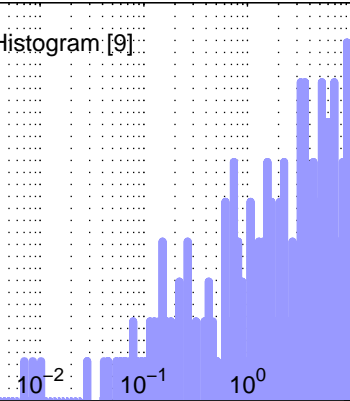
HP/PV



FR/PV



ISI Histogram [9]



10
20
30
40
50
60
70
80

1 Cue On [82]

2 Nose In [82]

3 Tone [38,44]

4 Go [82]

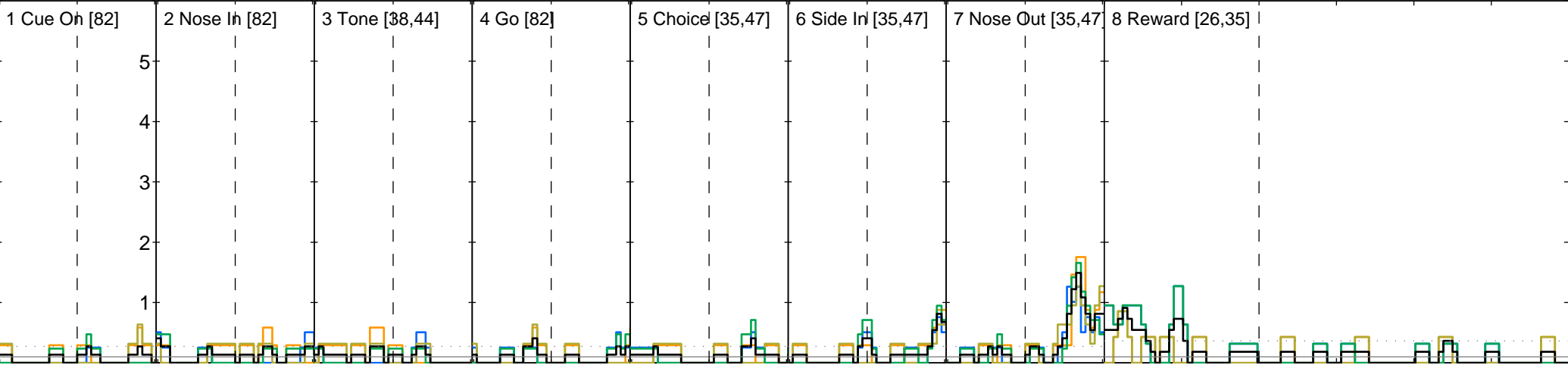
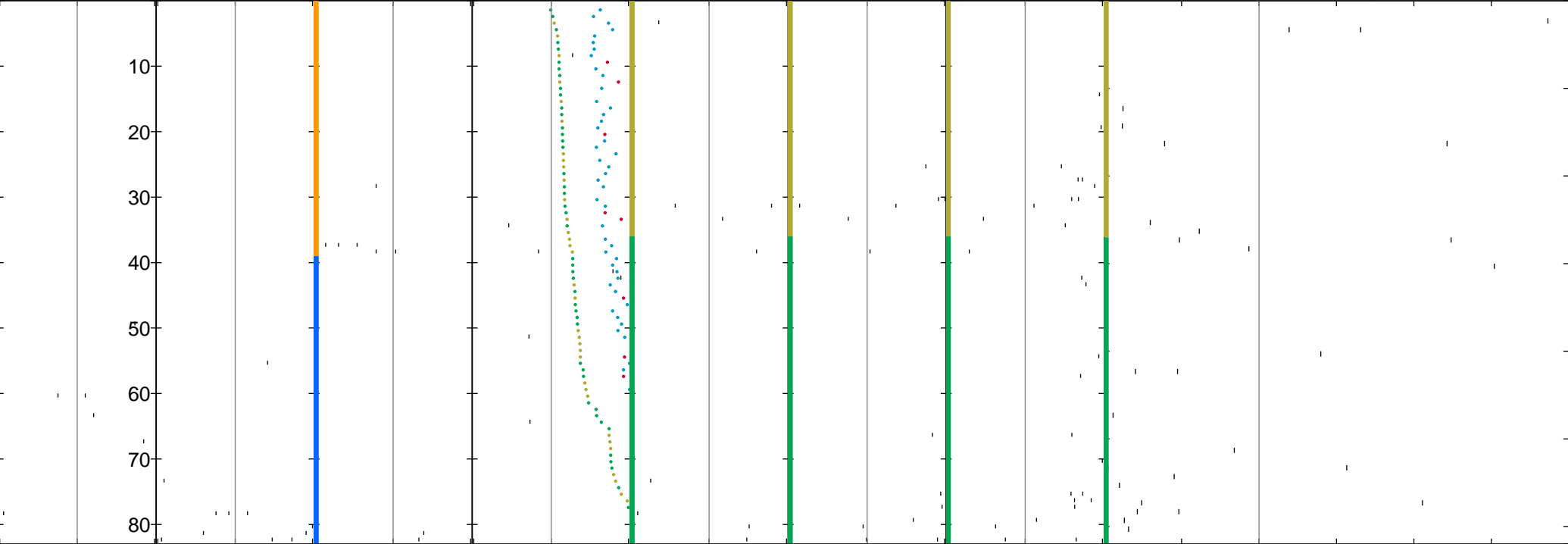
5 Choice [35,47]

6 Side In [35,47]

7 Nose Out [35,47]

8 Reward [26,35]

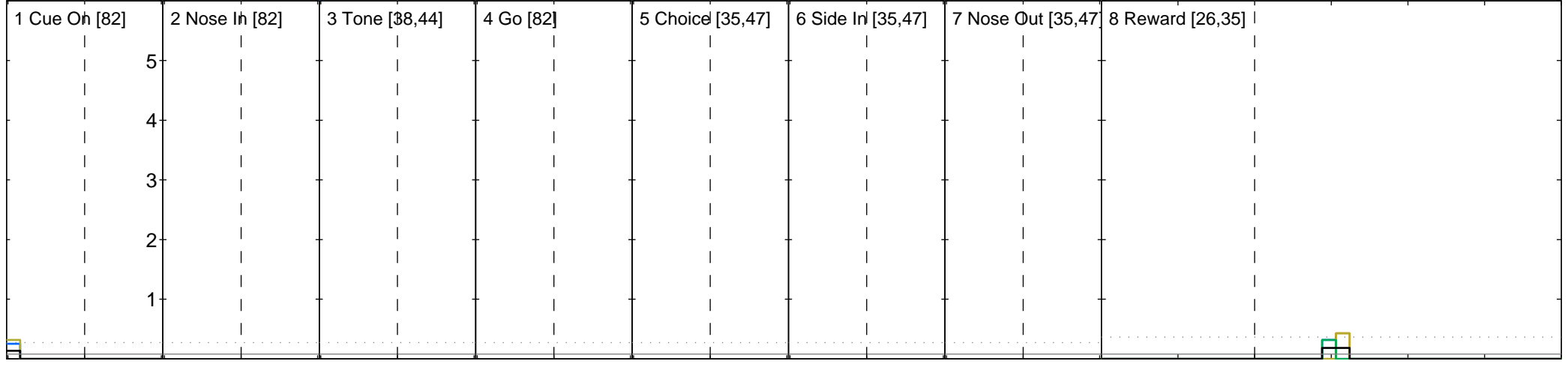
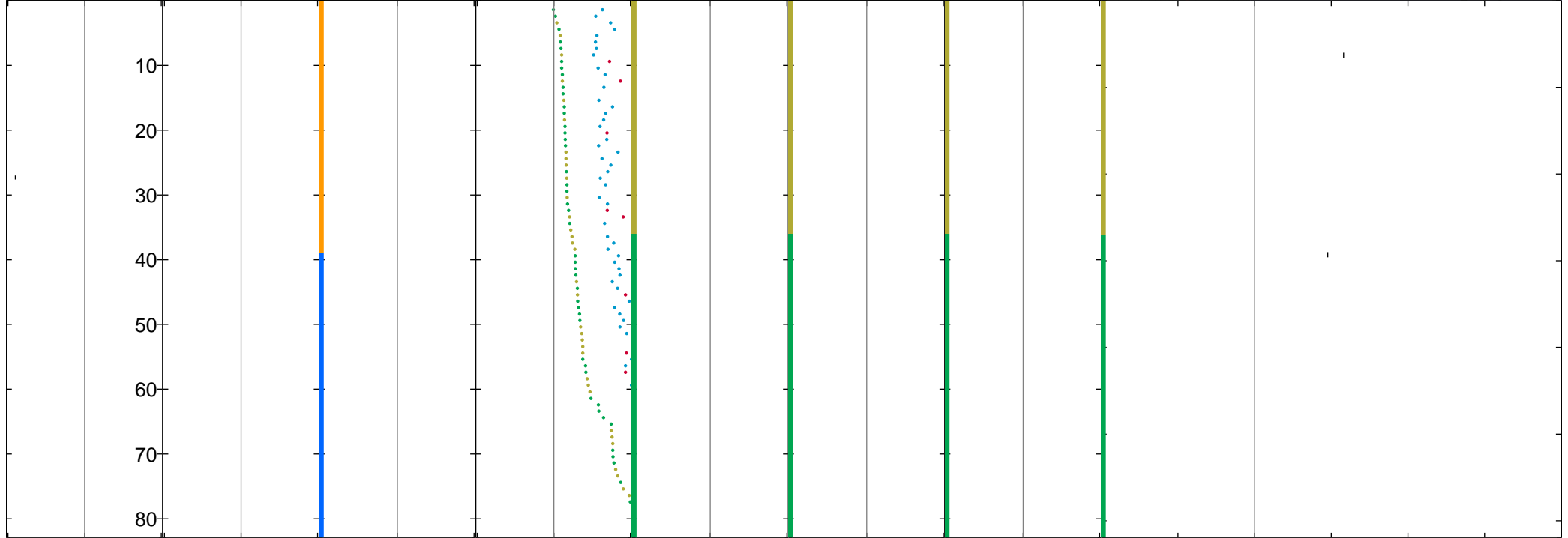
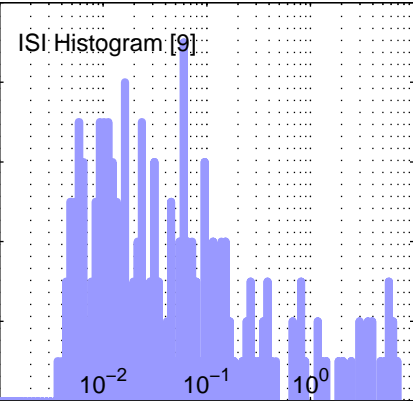
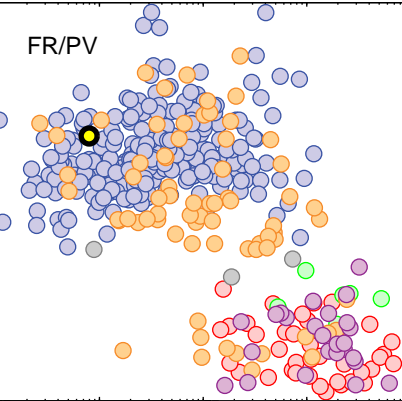
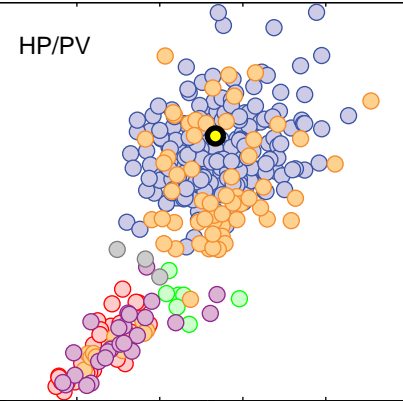
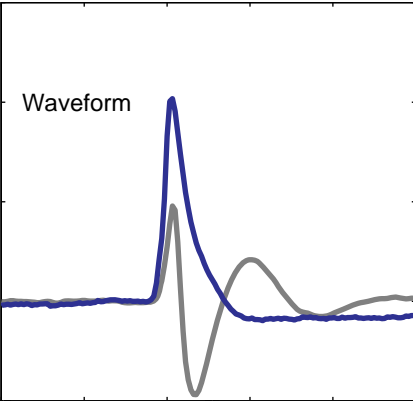
5
4
3
2
1



Cell: C0320070630T09a

AP: 1.6 ML: 3.7 DV: 6.2
w: 1 n: 227 $P_{ISI>2}$: 0.99
1/2pw: 267 μ s p->v: 931 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0796 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0320070630T09c

AP: 1.6 ML: 3.7 DV: 6.2

w: 1 n: 288 $P_{ISI>2}$: 0.981/2pw: 261 μ s p \rightarrow v: 784 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

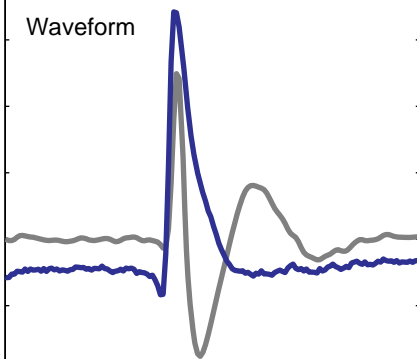
Session FR: 0.0962 Hz

Pk Ev: None

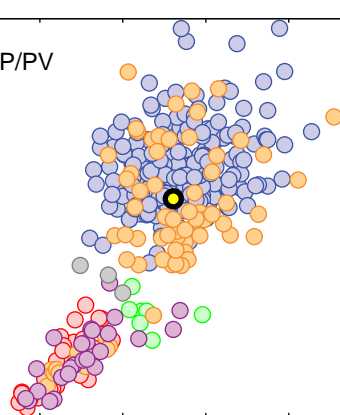
Pk FR: --

MSN

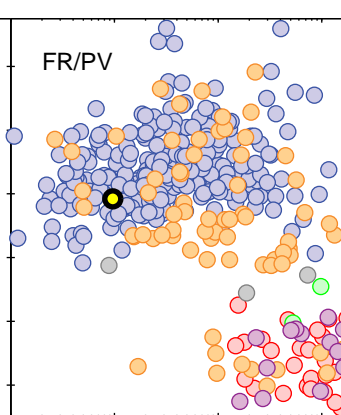
Waveform



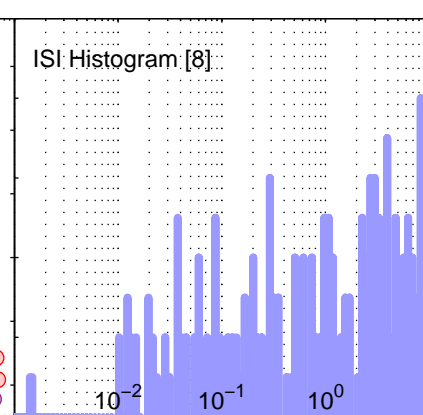
HP/PV



FR/PV



ISI Histogram [8]



10

20

30

40

50

60

70

80

1 Cue On [82]

2 Nose In [82]

3 Tone [38,44]

4 Go [82]

5 Choice [35,47]

6 Side In [35,47]

7 Nose Out [35,47]

8 Reward [26,35]

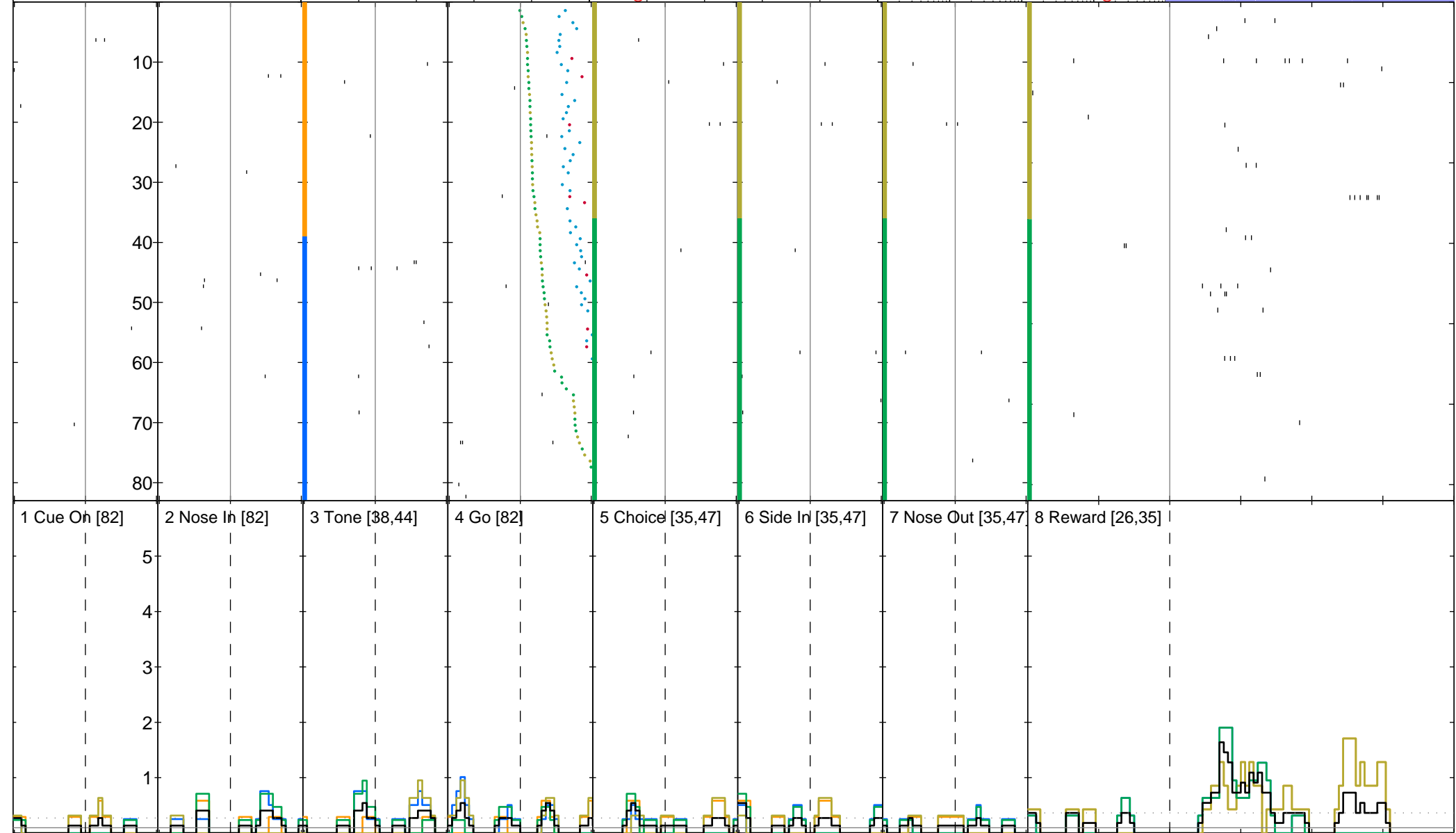
5

4

3

2

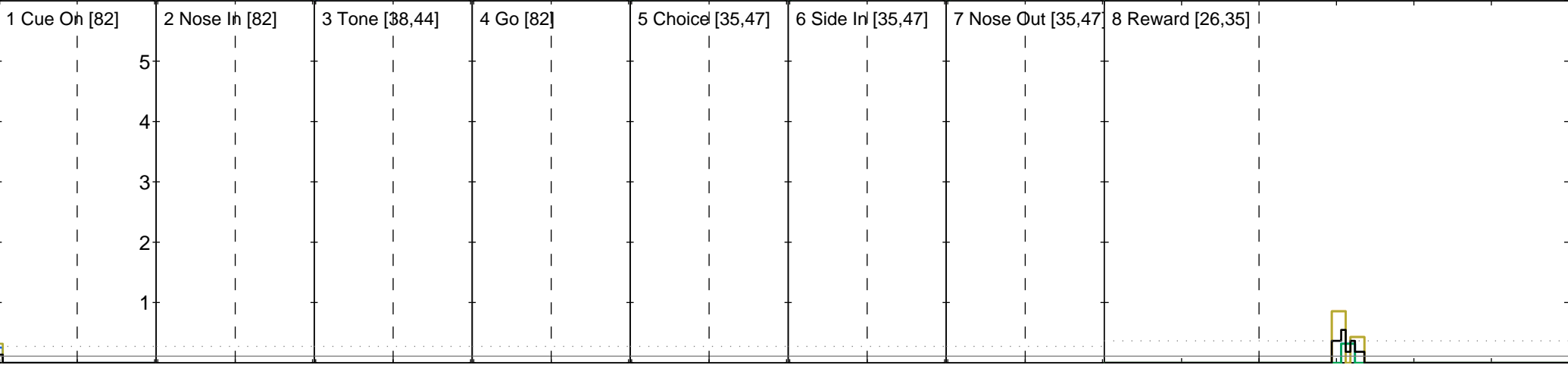
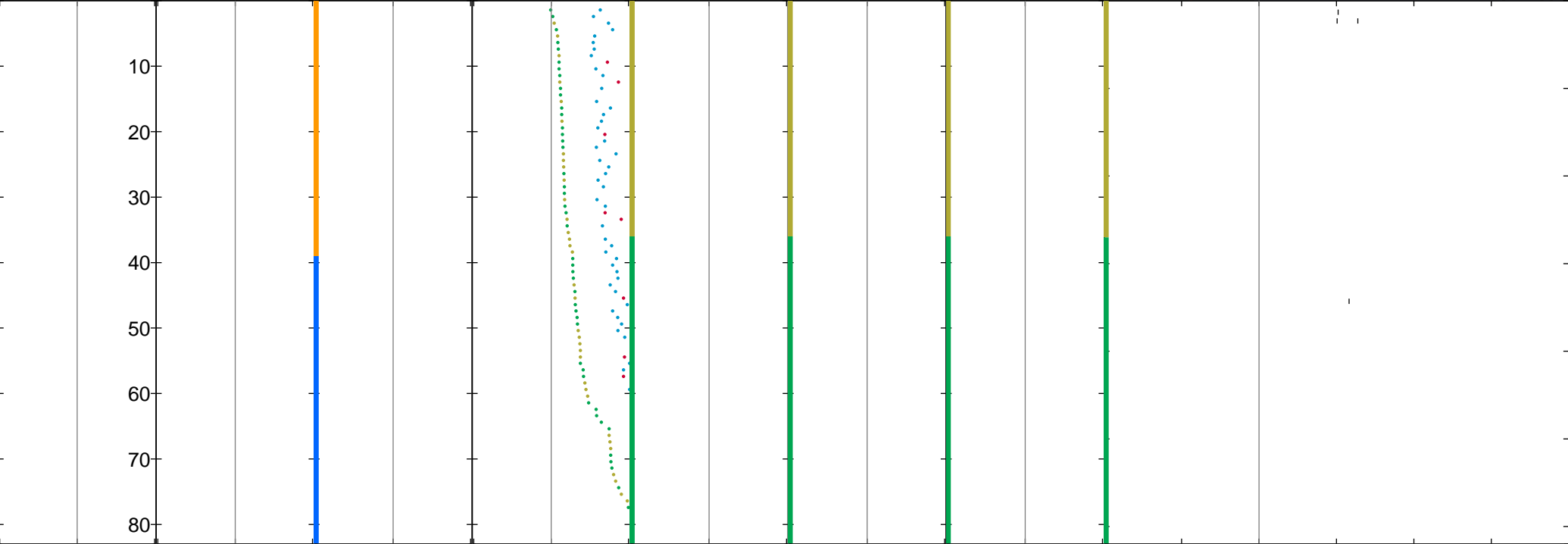
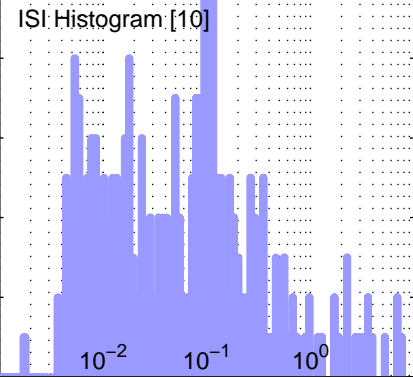
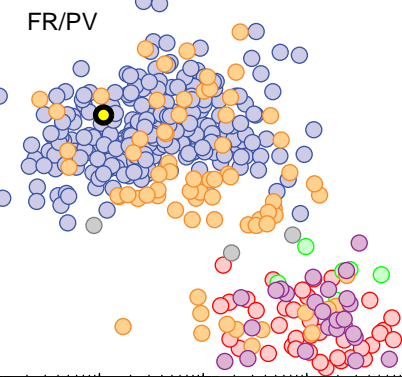
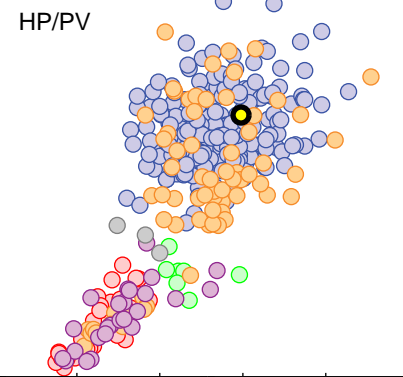
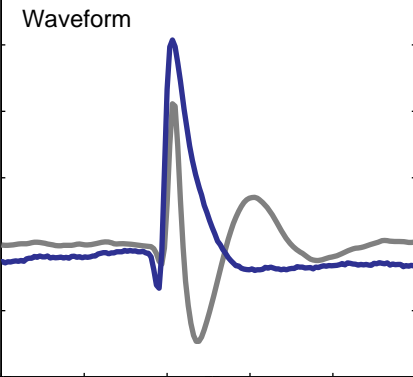
1



Cell: C0320070630T09e

AP: 1.6 ML: 3.7 DV: 6.2
w: 2 n: 273 $P_{ISI>2}$: 0.99
1/2pw: 298 μ s p->v: 922 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.109 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0320070630T09i

AP: 1.6 ML: 3.7 DV: 6.2

w: 3 n: 780 $P_{ISI>2}$: 0.931/2pw: 246 μ s p->v: 952 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

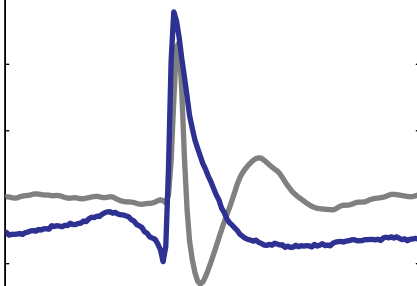
Session FR: 0.257 Hz

Pk Ev: None

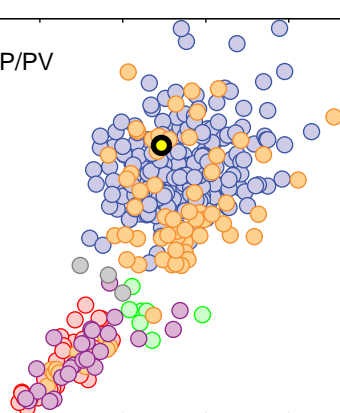
Pk FR: --

MSN

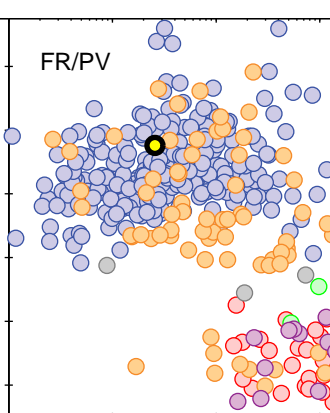
Waveform



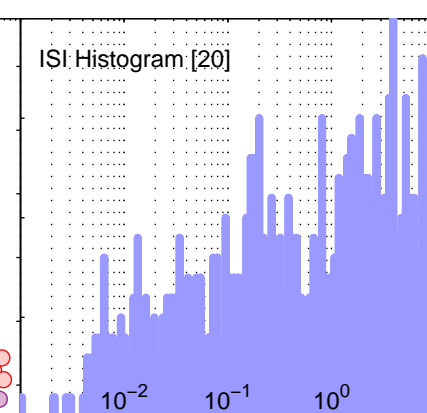
HP/PV



FR/PV



ISI Histogram [20]



10

20

30

40

50

60

70

80

1 Cue On [82]

2 Nose In [82]

3 Tone [38,44]

4 Go [82]

5 Choice [35,47]

6 Side In [35,47]

7 Nose Out [35,47]

8 Reward [26,35]

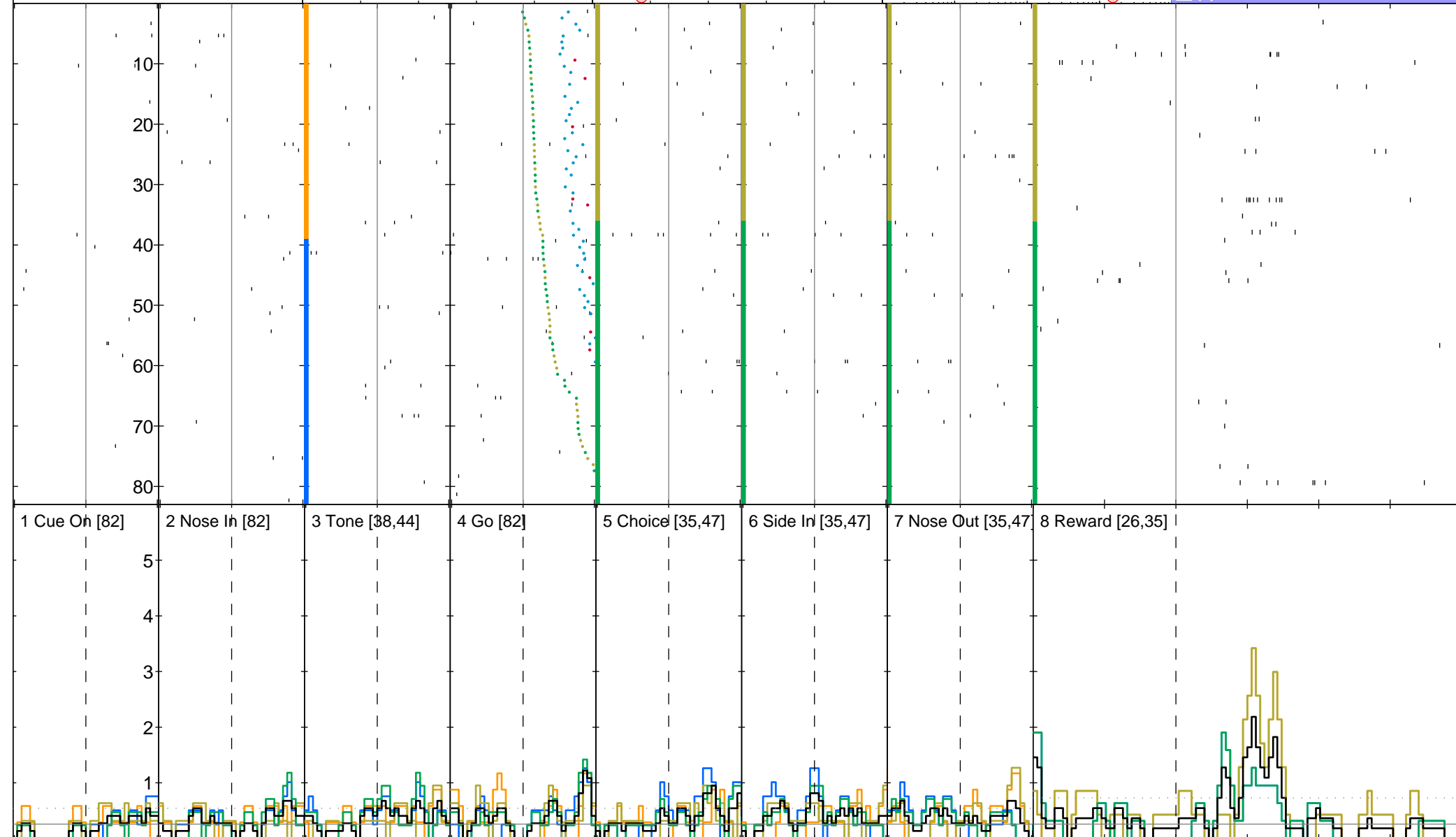
5

4

3

2

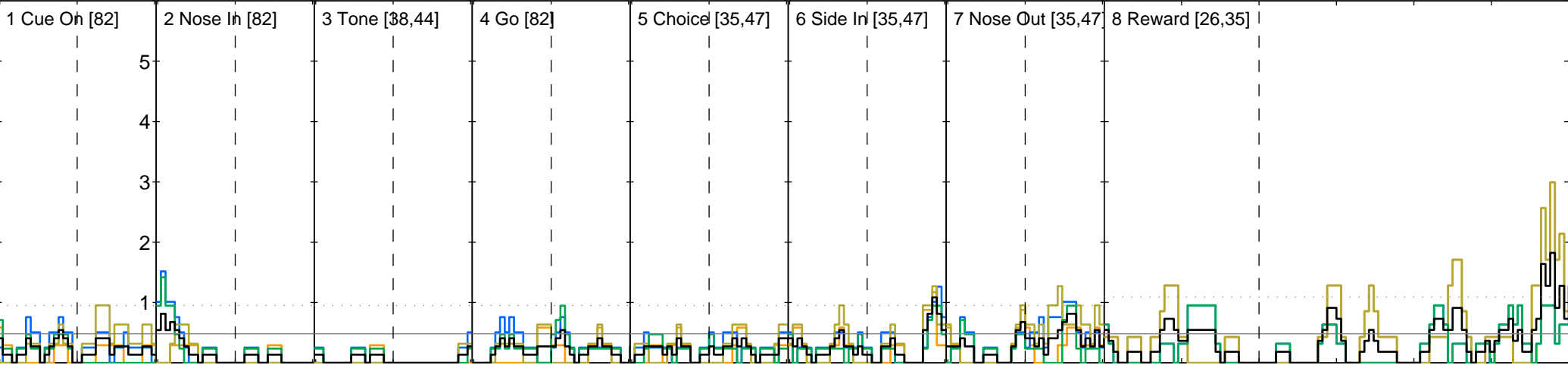
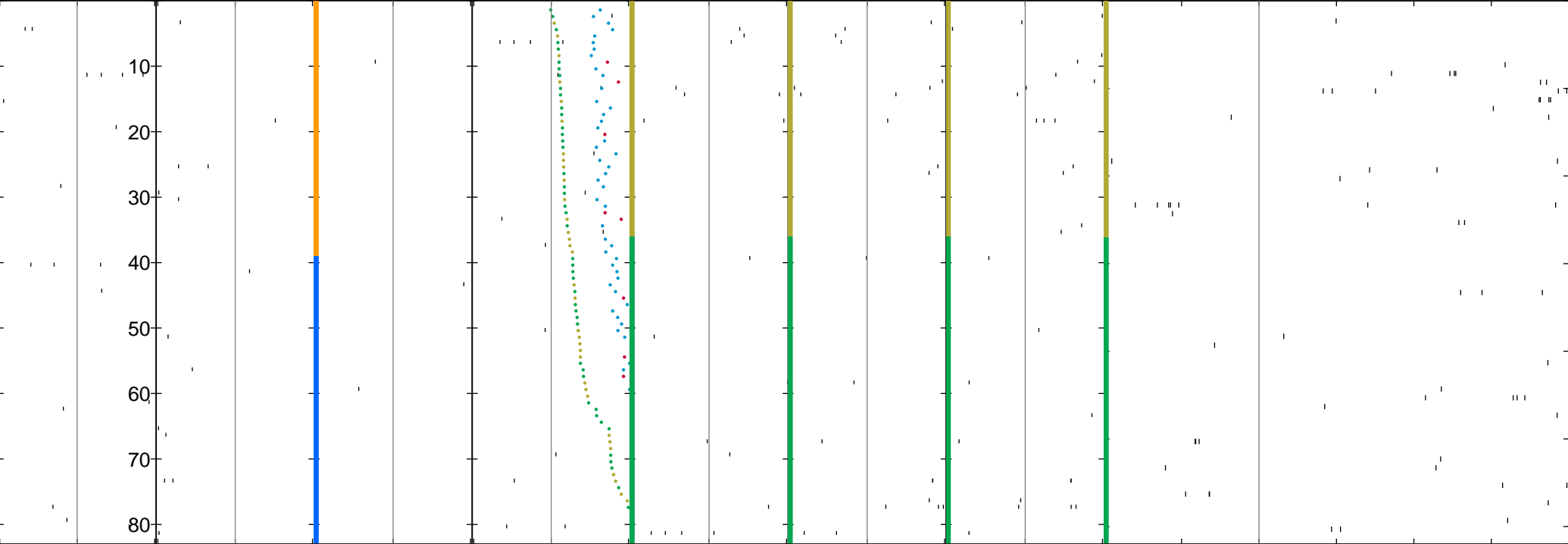
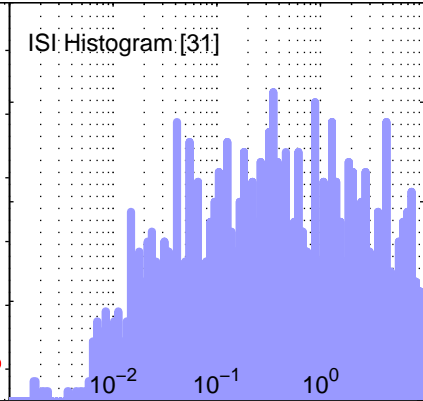
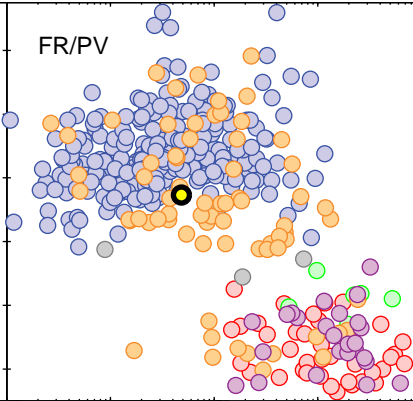
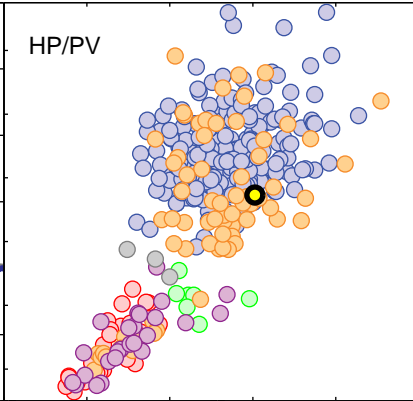
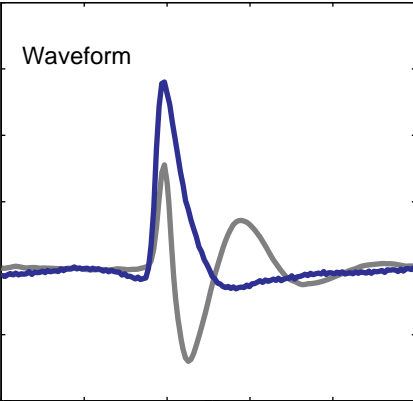
1



Cell: C0320070630T11a

AP: -0.96 ML: 3.7 DV: 7.1
w: 1 n: 1461 $P_{ISI>2}$: 0.86
1/2pw: 302 μ s p->v: 746 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.482 Hz
Pk Ev: None
Pk FR: --

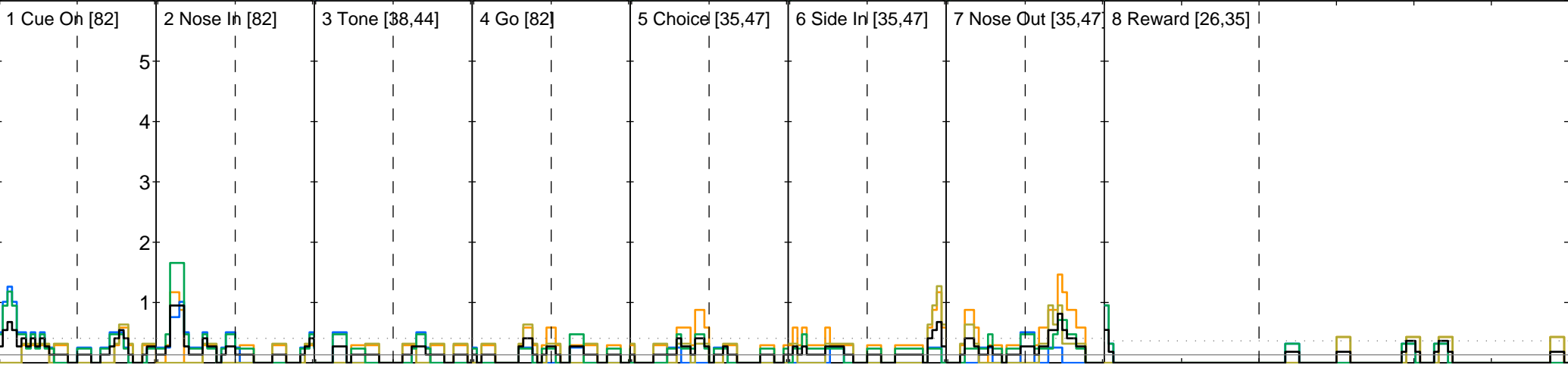
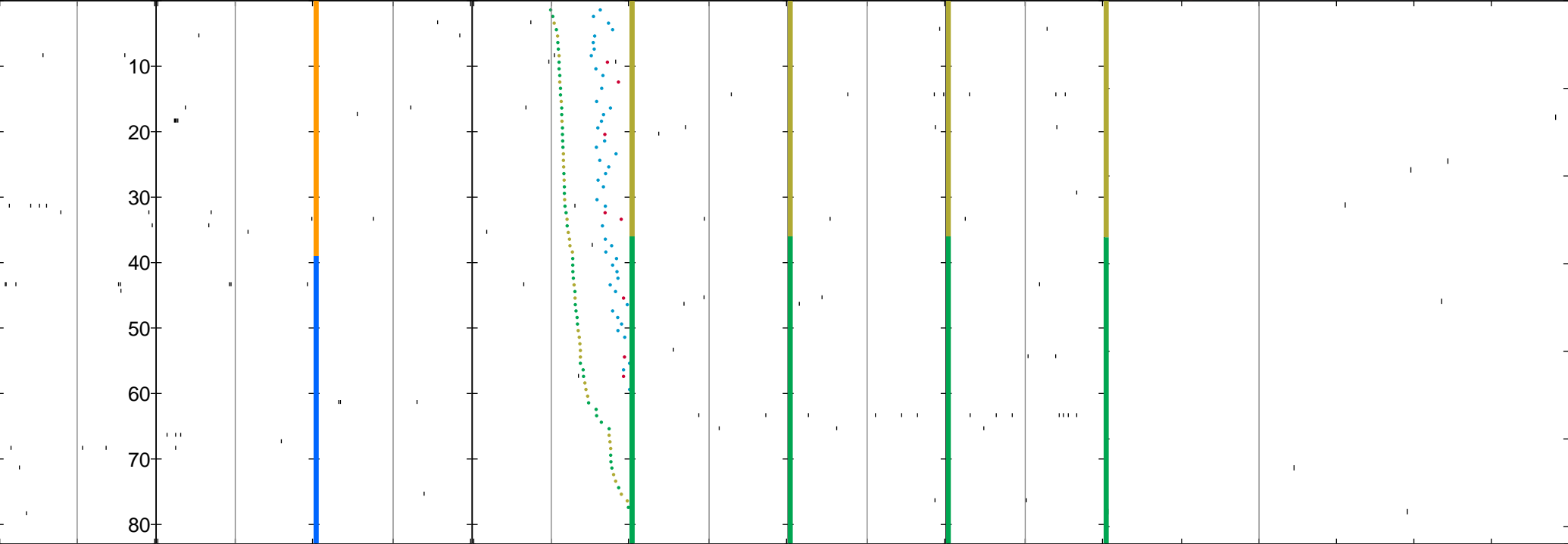
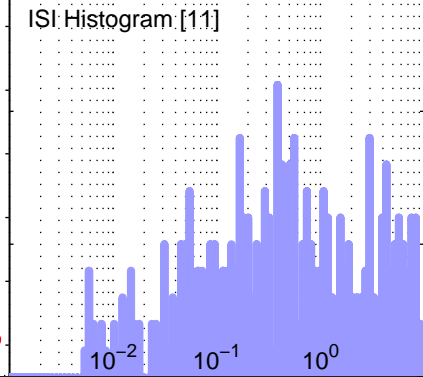
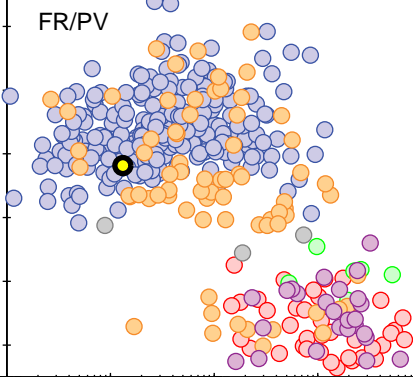
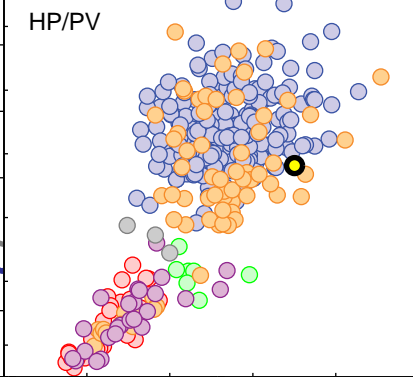
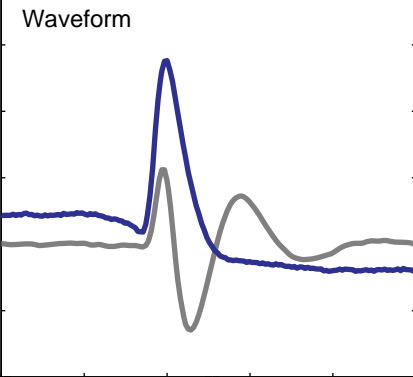
MSN



Cell: C0320070630T11b

AP: -0.96 ML: 3.7 DV: 7.1
w: 4 n: 400 $P_{ISI>2}$: 0.97
1/2pw: 350 μ s p->v: 763 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.132 Hz
Pk Ev: None
Pk FR: --

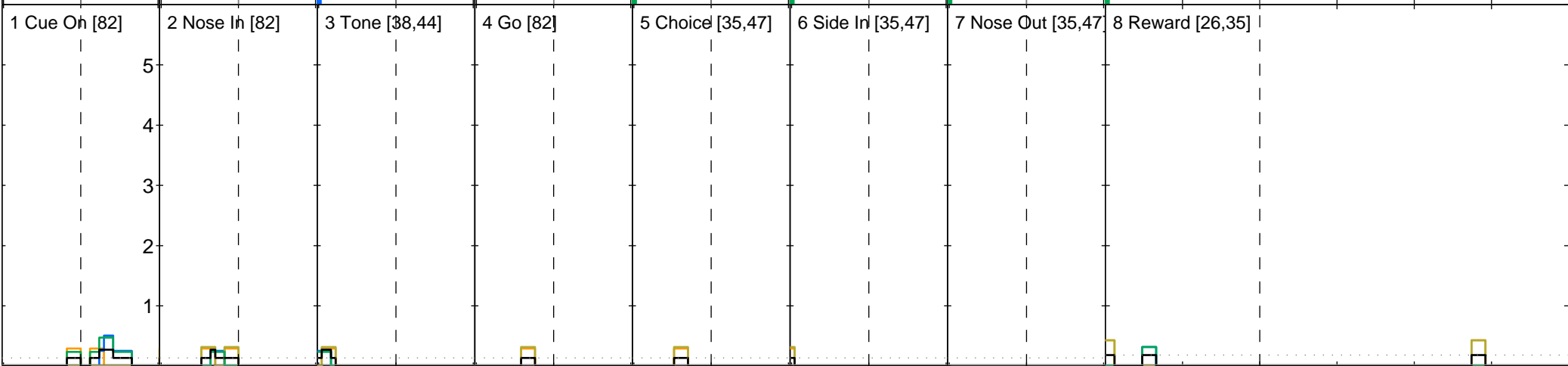
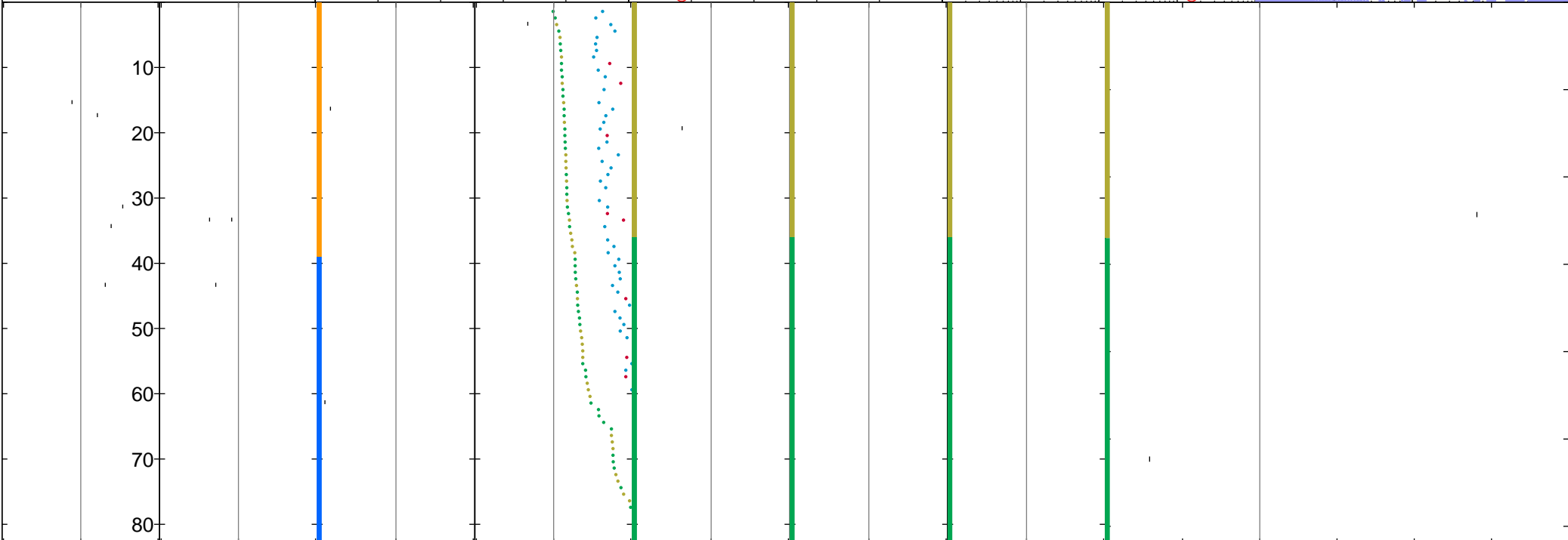
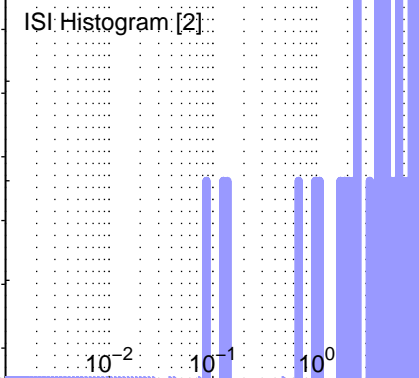
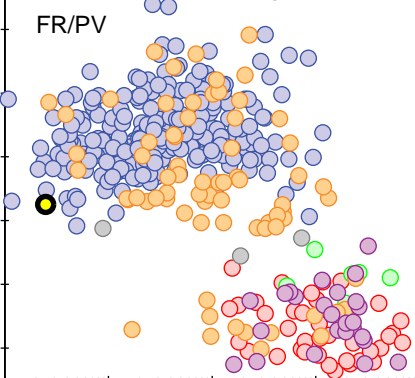
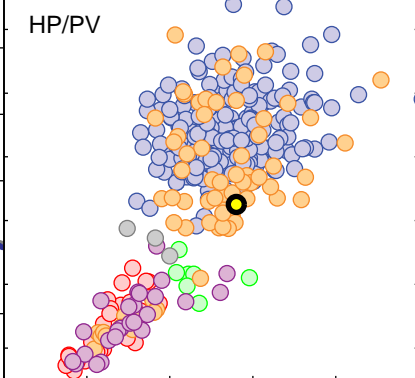
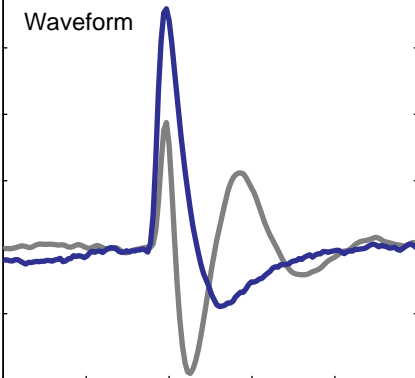
MSN



Cell: C0320070630T11c

AP: -0.96 ML: 3.7 DV: 7.1
w: 2 n: 76 $P_{ISI>2}$: 1
1/2pw: 280 μ s p->v: 651 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0249 Hz
Pk Ev: None
Pk FR: --

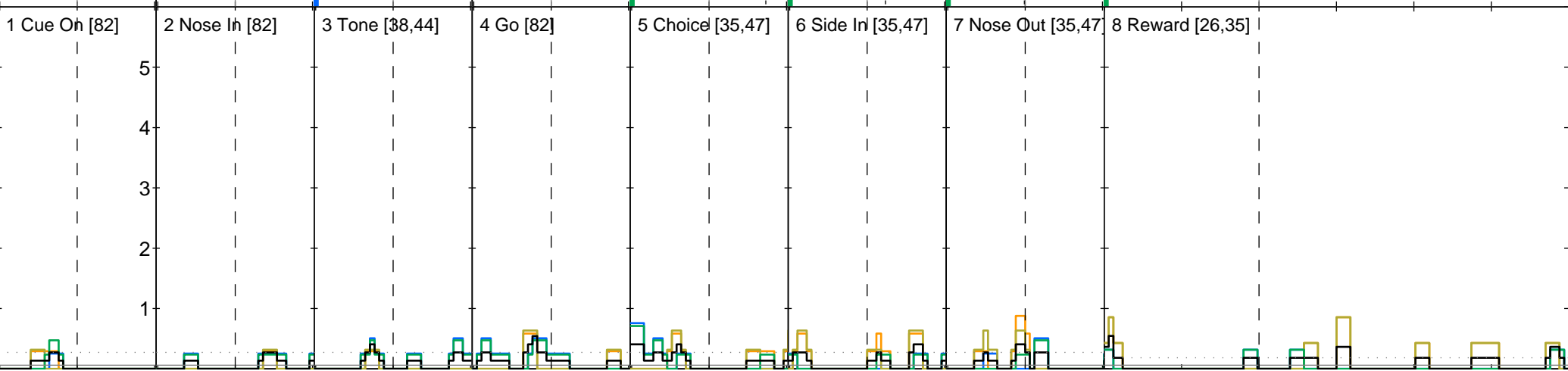
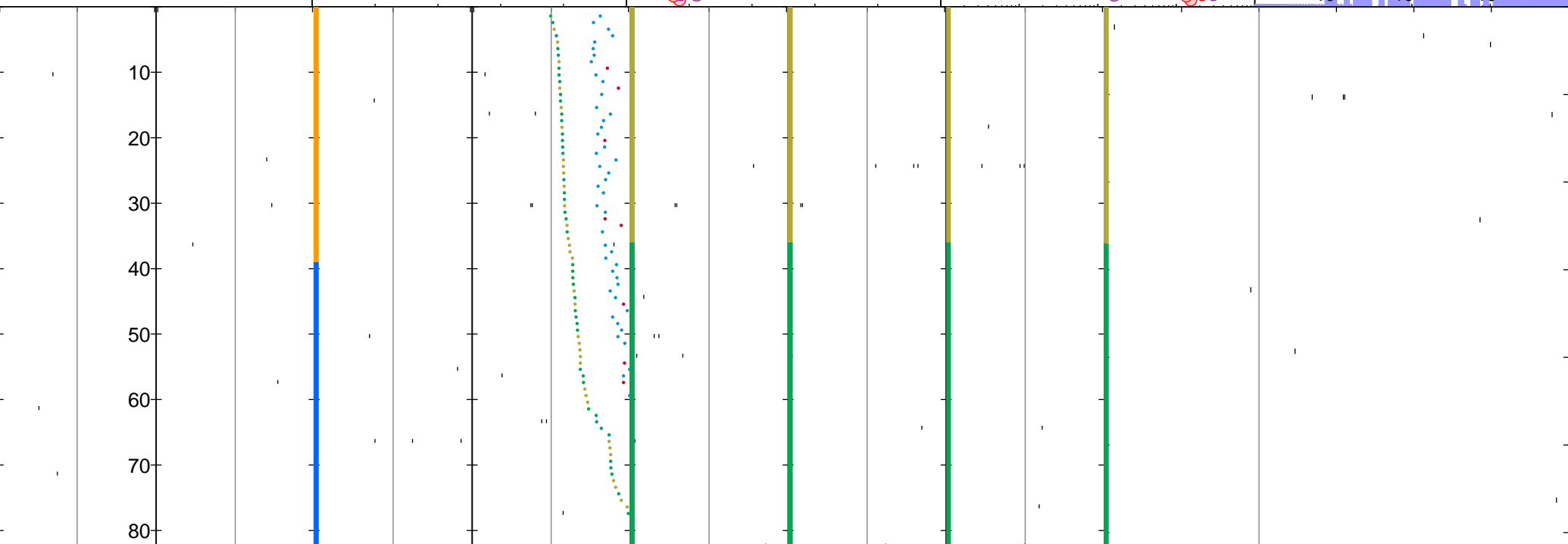
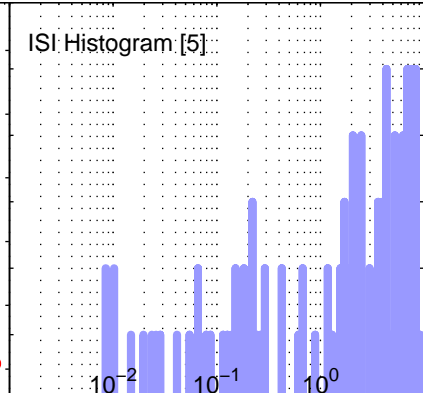
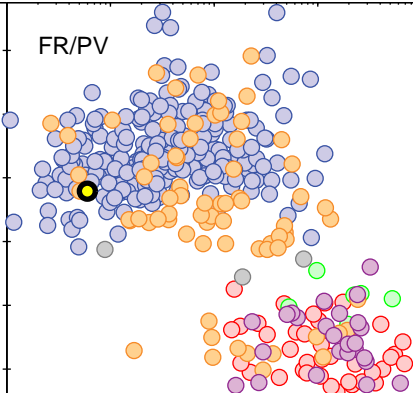
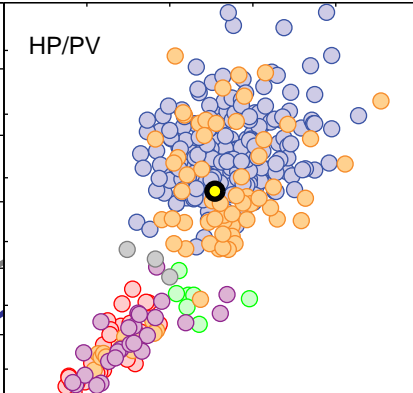
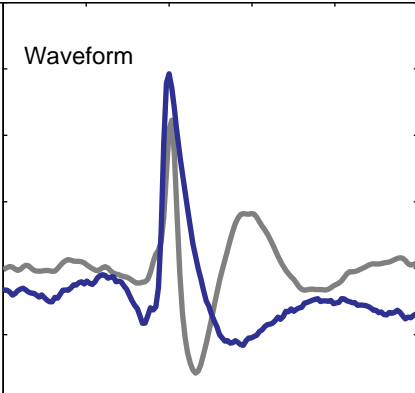
MSN



Cell: C0320070630T11d

AP: -0.96 ML: 3.7 DV: 7.1
w: 2 n: 182 $P_{ISI>2}$: 0.99
1/2pw: 254 μ s p->v: 758 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0598 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0320070630T11e

AP: -0.96 ML: 3.7 DV: 7.1

w: 1 n: 359 $P_{ISI>2}$: 0.97

1/2pw: 272 μ s p->v: 624 μ s

β_T : NaN β_D : NaN

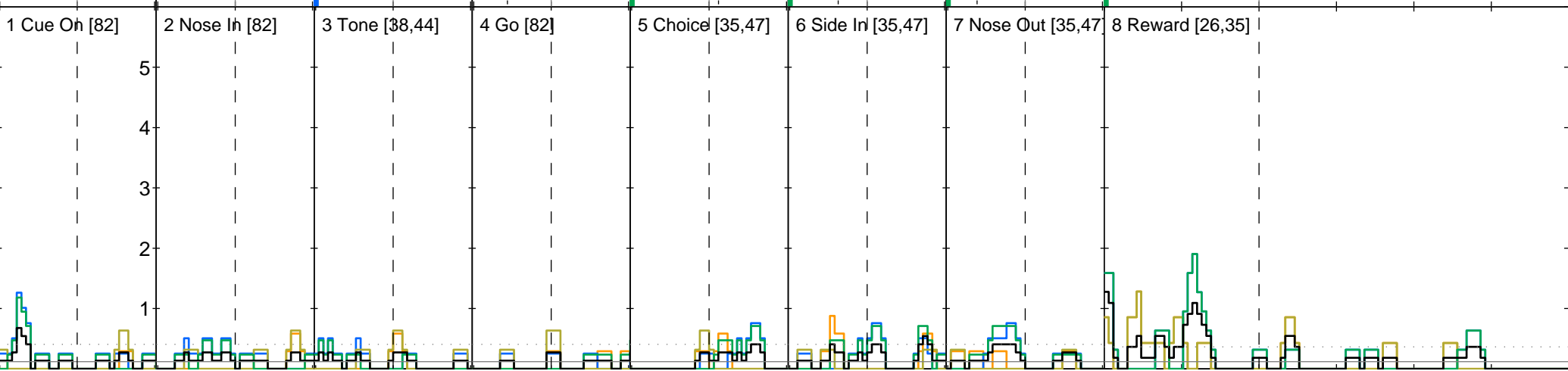
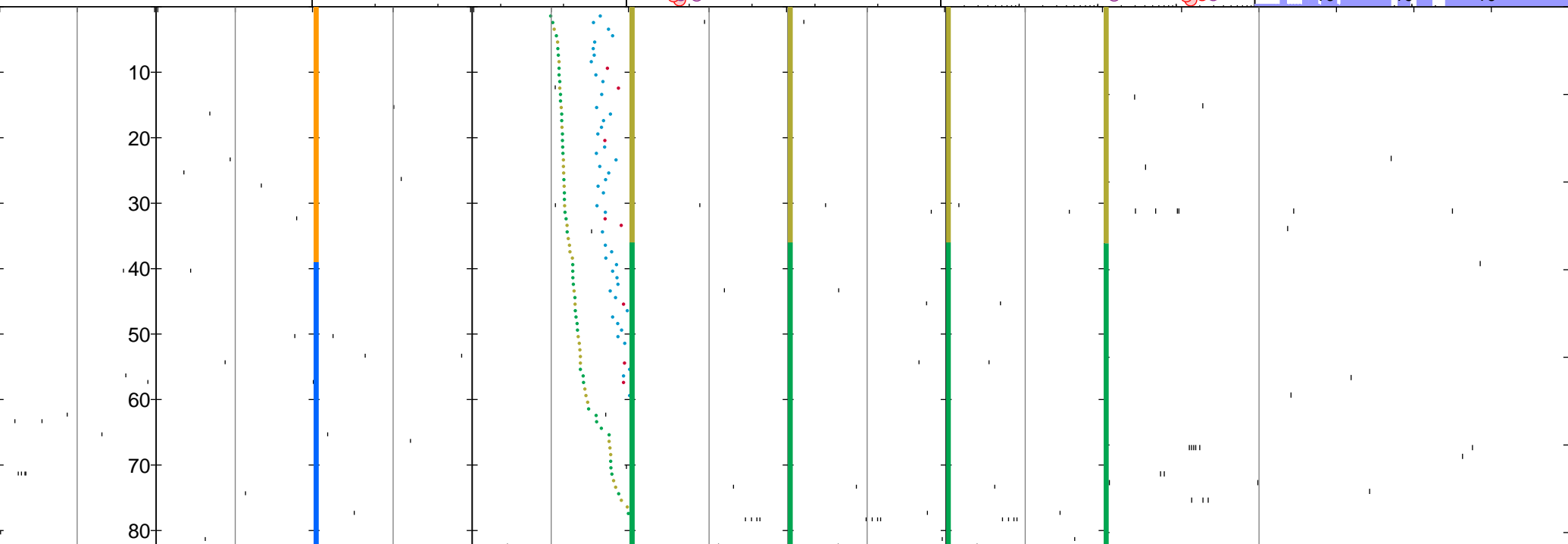
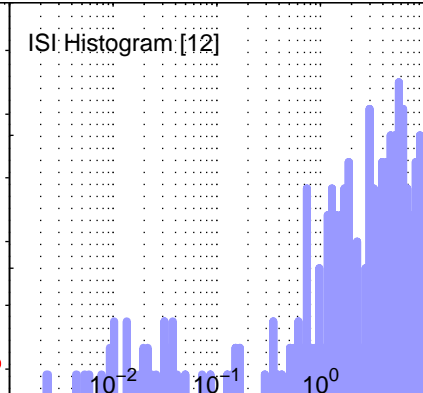
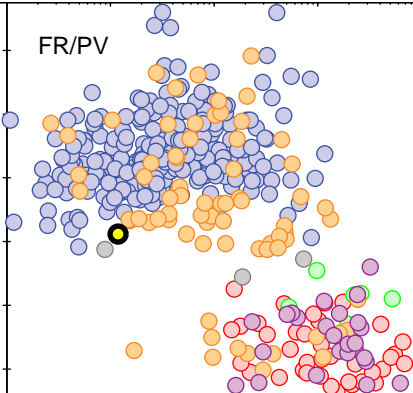
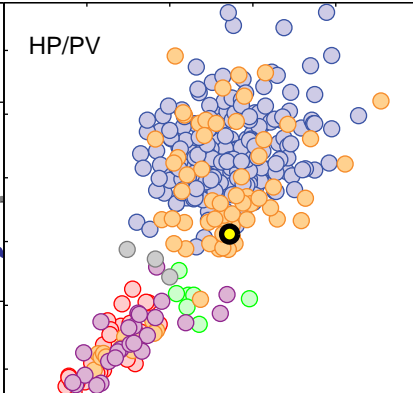
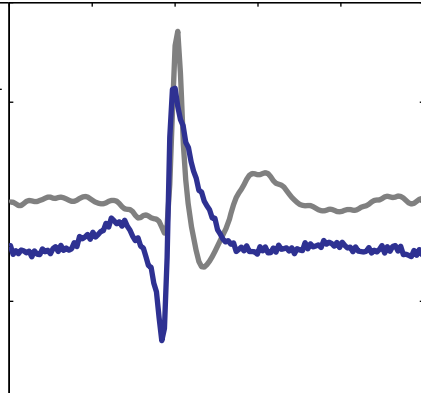
β_P : NaN SI: NaN

Session FR: 0.118 Hz

Pk Ev: None

Pk FR: --

MSN



Cell: C0320070701T07a

AP: 0.96 ML: 3.6 DV: 7.6

w: 3 n: 363 $P_{ISI>2}$: 0.99

1/2pw: 243 μ s p->v: 787 μ s

β_T : NaN β_D : NaN

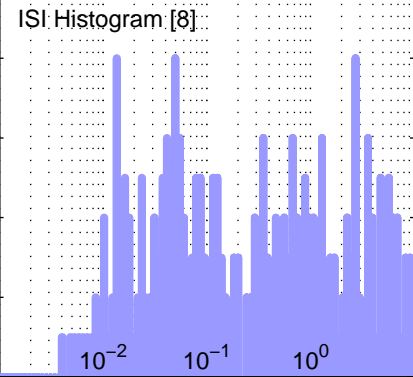
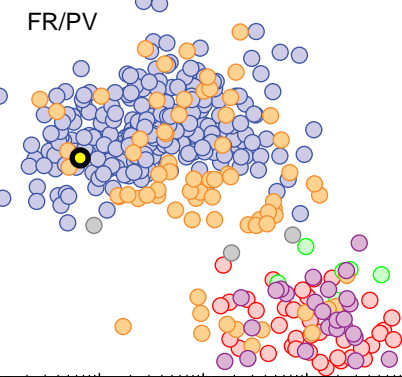
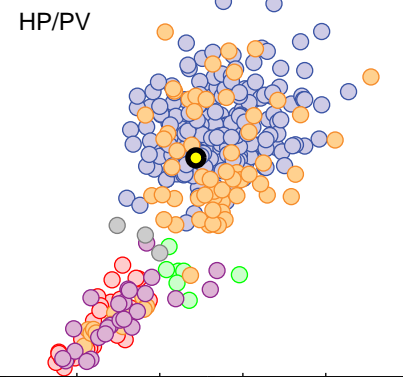
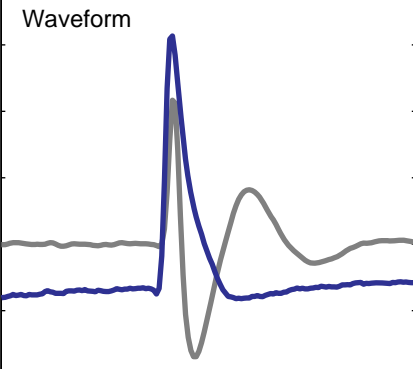
β_P : NaN SI: NaN

Session FR: 0.0651 Hz

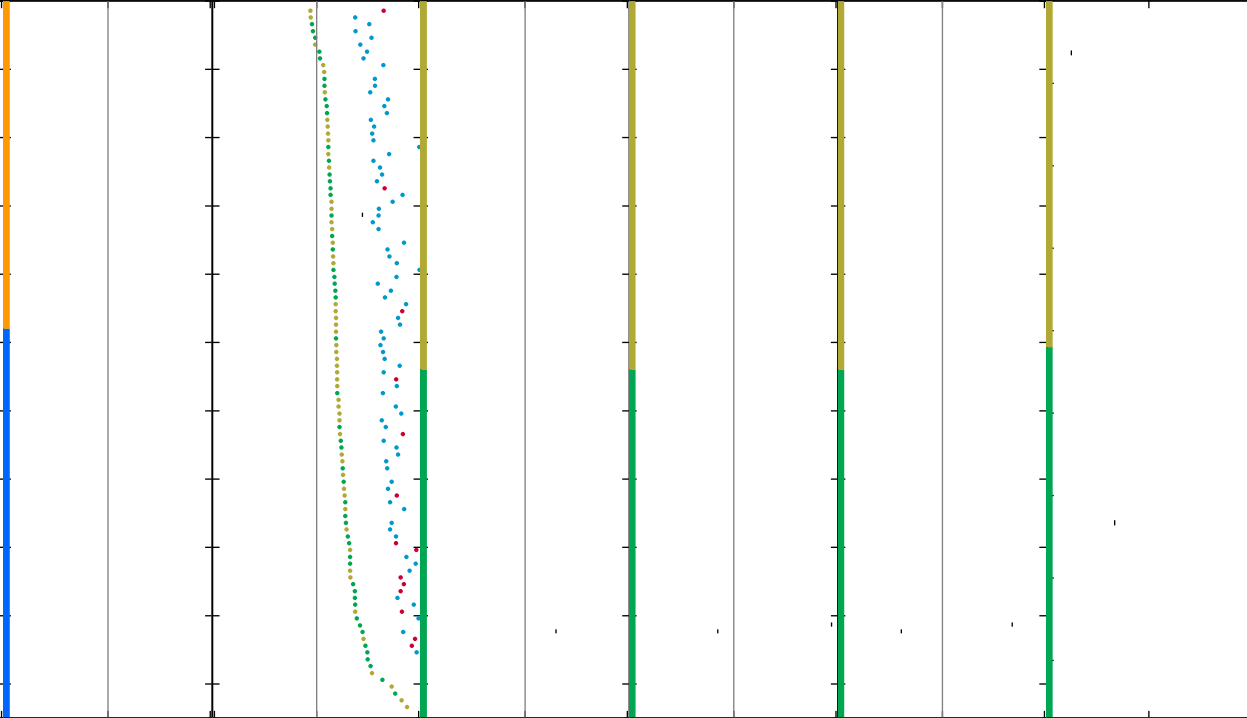
Pk Ev: None

Pk FR: --

MSN



10
20
30
40
50
60
70
80
90
100



1 Cue On [104]

2 Nose In [104]

3 Tone [47,57]

4 Go [104]

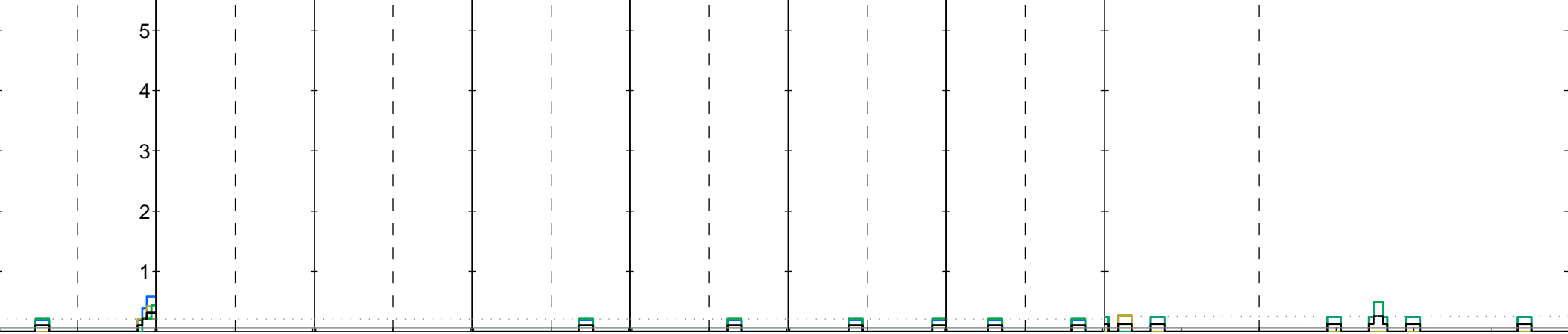
5 Choice [53,51]

6 Side In [53,51]

7 Nose Out [53,51]

8 Reward [41,45]

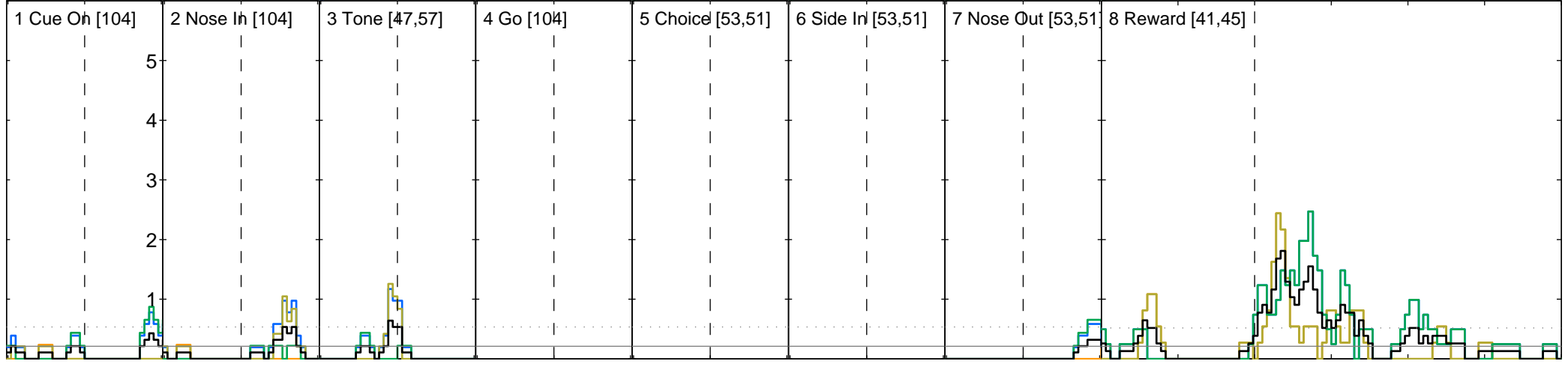
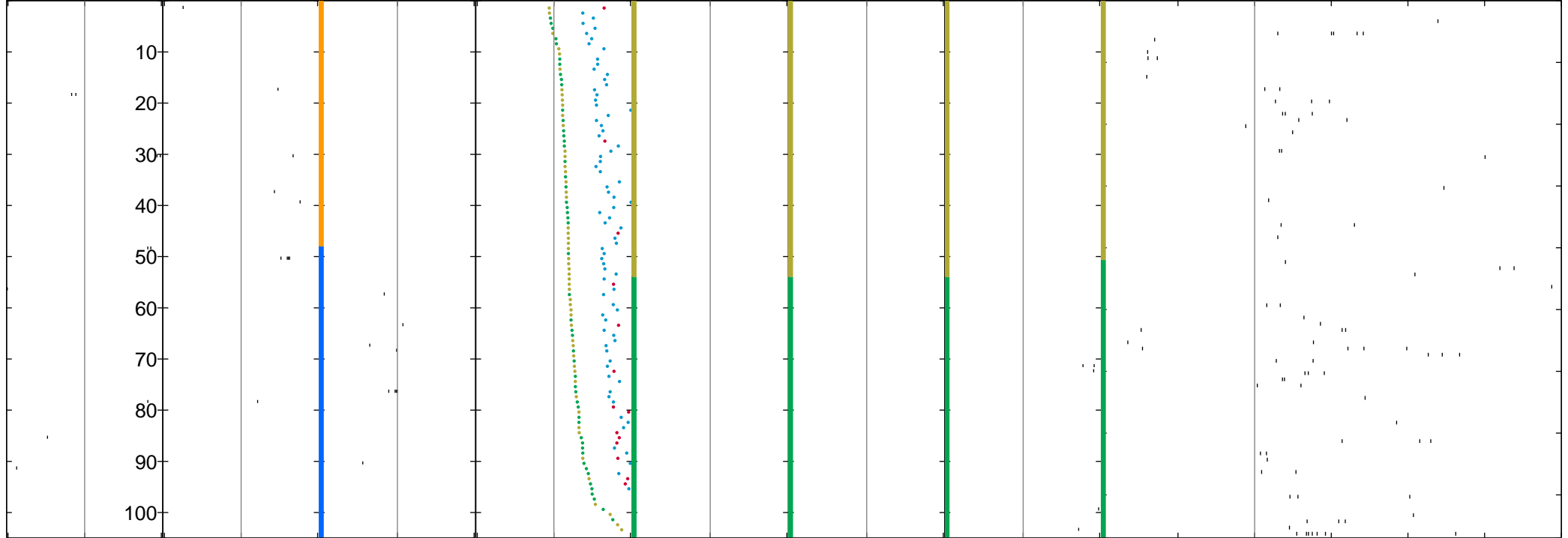
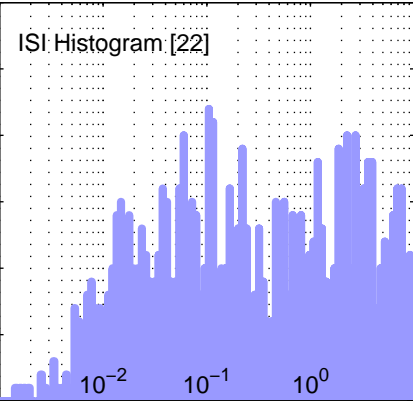
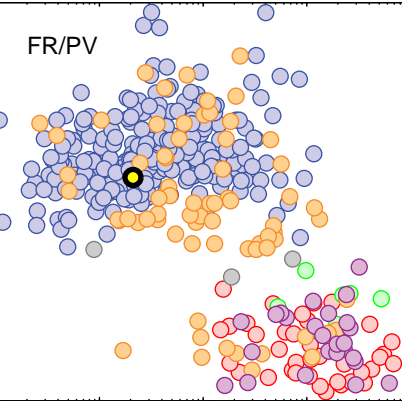
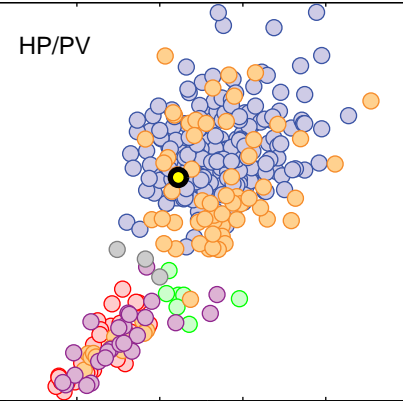
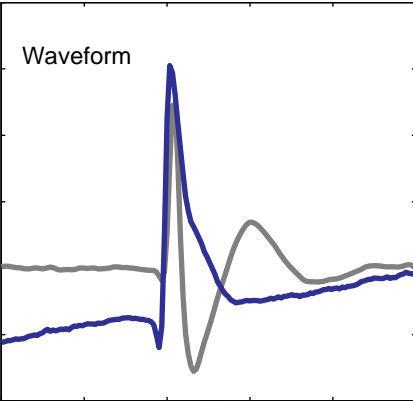
5
4
3
2
1



Cell: C0320070701T07b

AP: 0.96 ML: 3.6 DV: 7.6
w: 4 n: 1179 $P_{ISI>2}$: 0.95
1/2pw: 222 μ s p->v: 802 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.211 Hz
Pk Ev: None
Pk FR: --

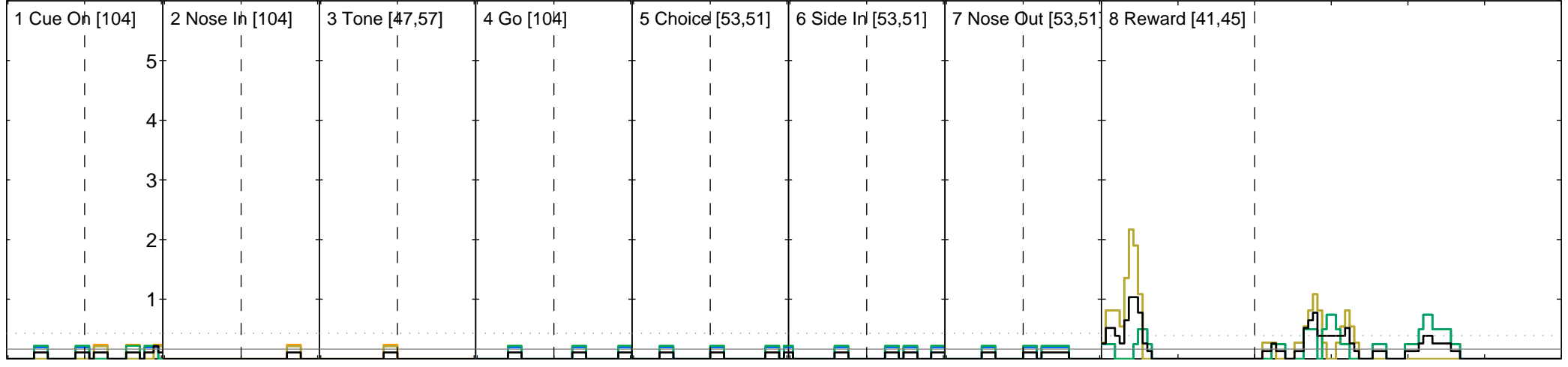
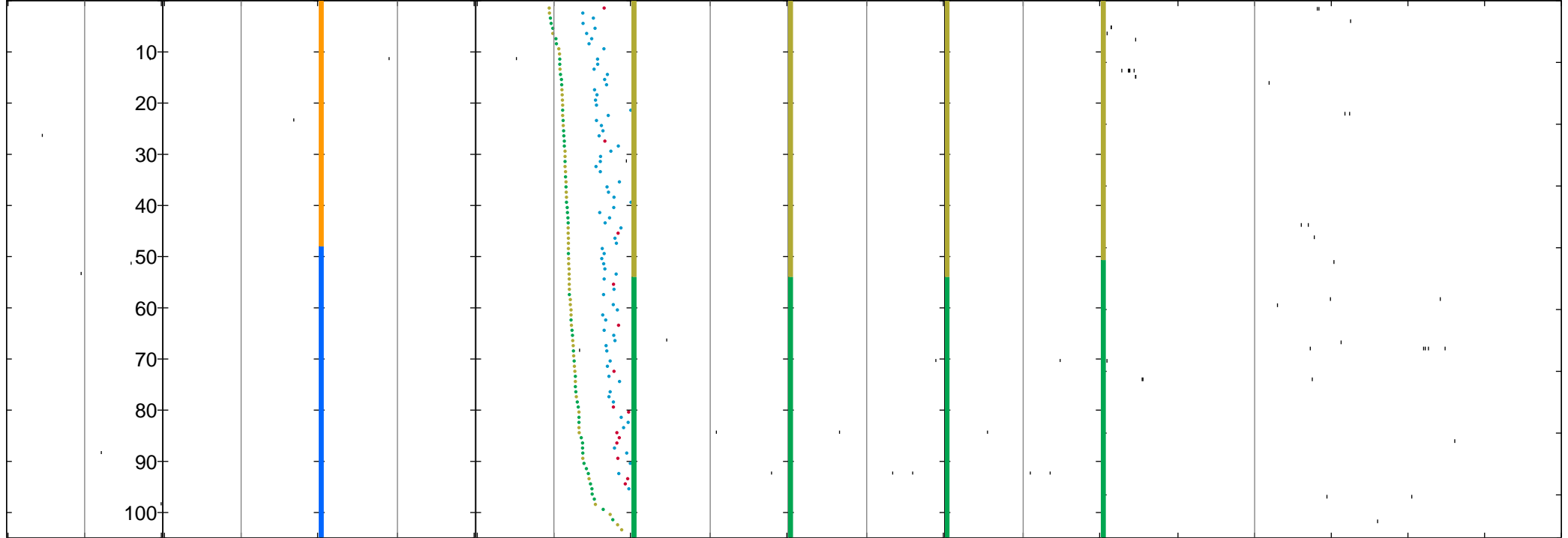
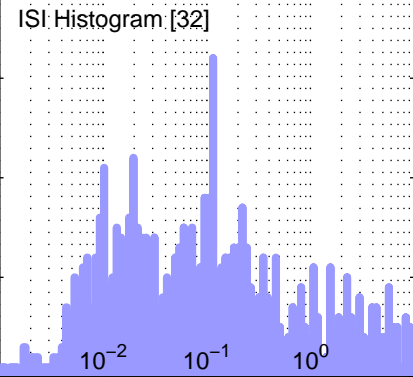
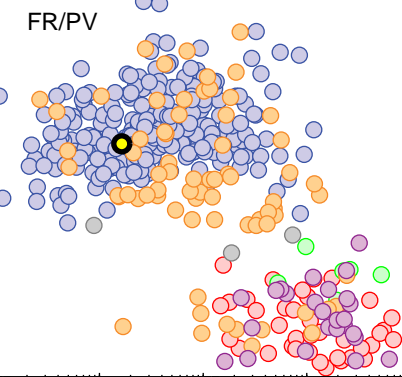
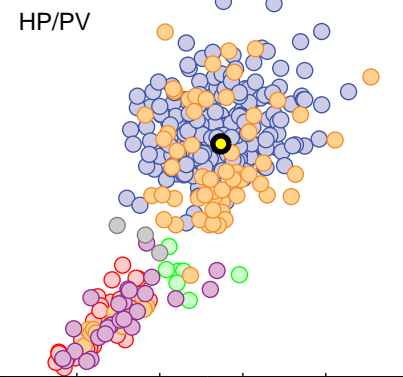
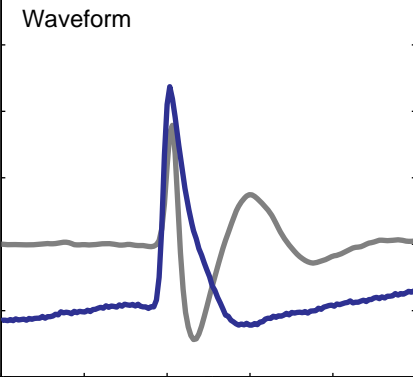
MSN



Cell: C0320070701T09b

AP: 1.6 ML: 3.7 DV: 6.3
w: 4 n: 914 $P_{ISI>2}$: 0.97
1/2pw: 274 μ s p->v: 832 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.164 Hz
Pk Ev: None
Pk FR: --

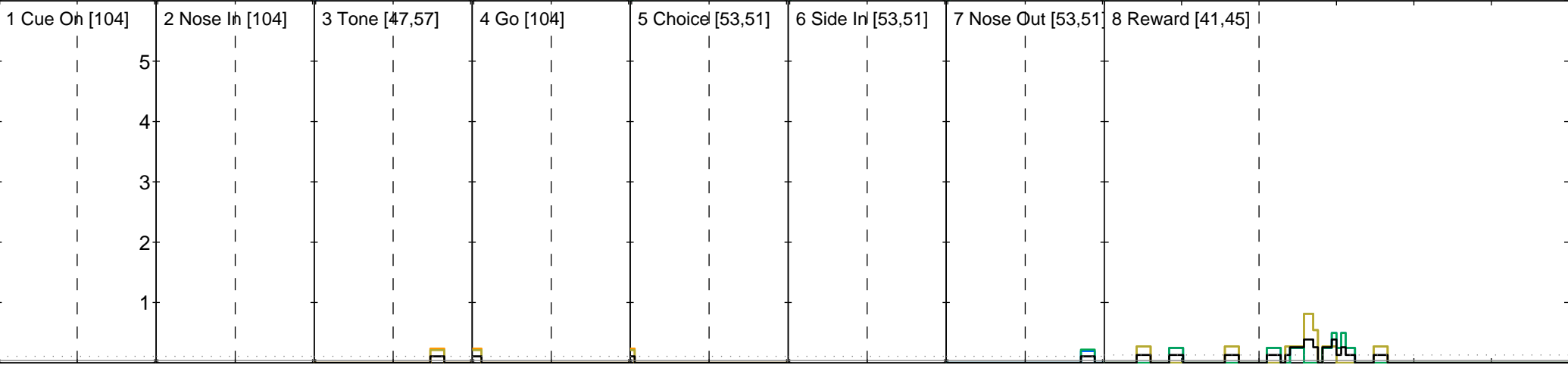
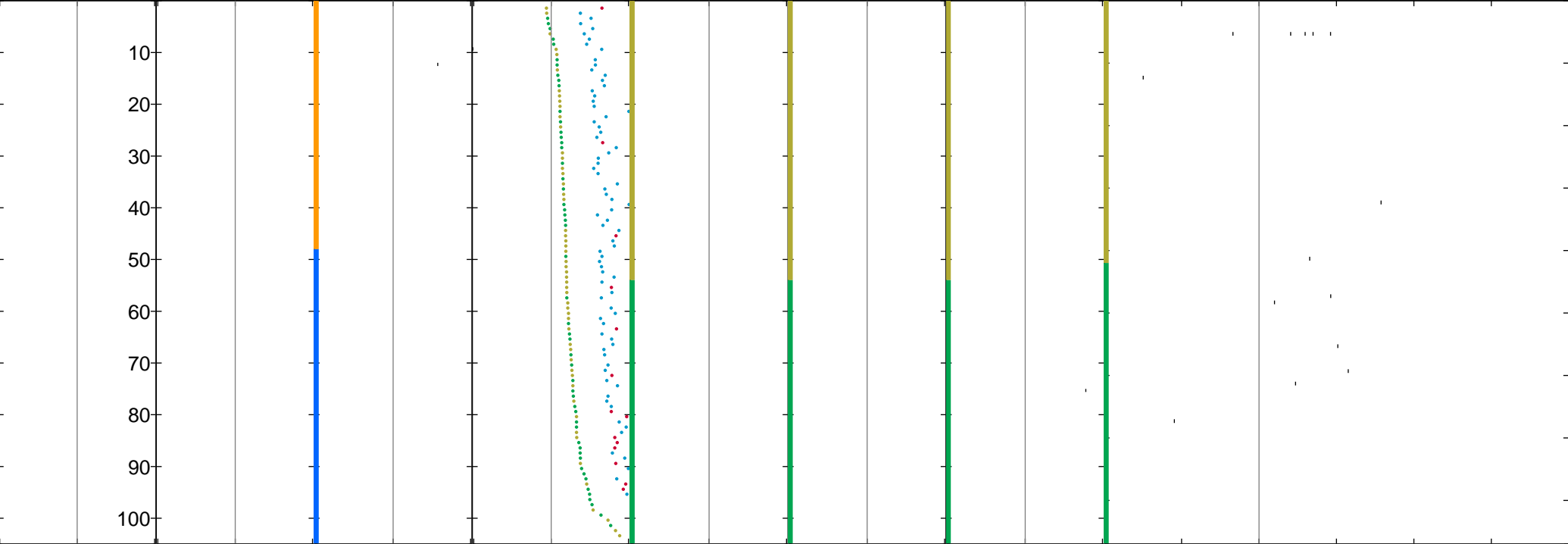
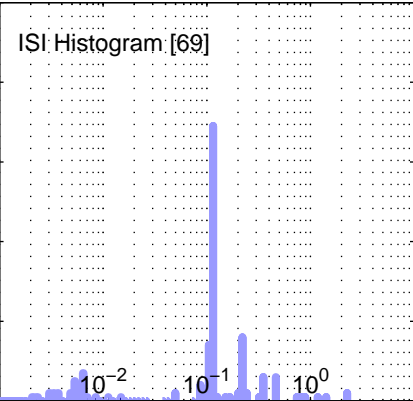
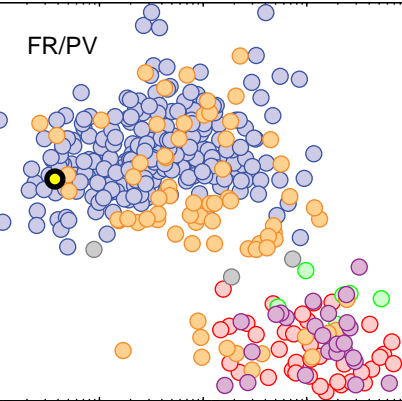
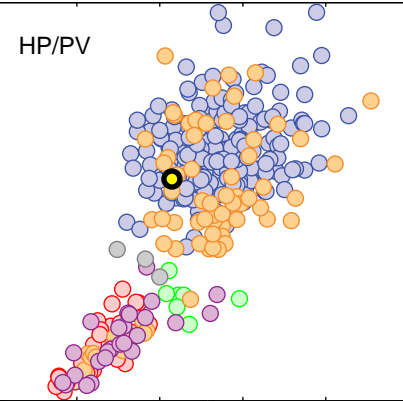
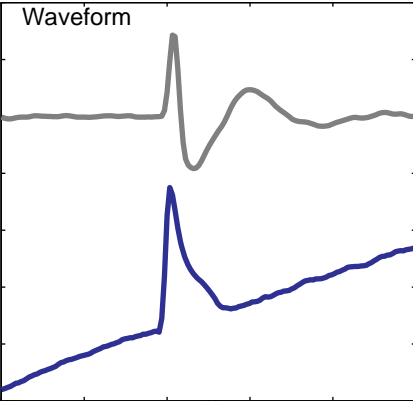
MSN



Cell: C0320070701T09d

AP: 1.6 ML: 3.7 DV: 6.3
w: 2 n: 188 $P_{ISI>2}$: 0.99
1/2pw: 214 μ s p->v: 797 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0372 Hz
Pk Ev: None
Pk FR: --

MSN

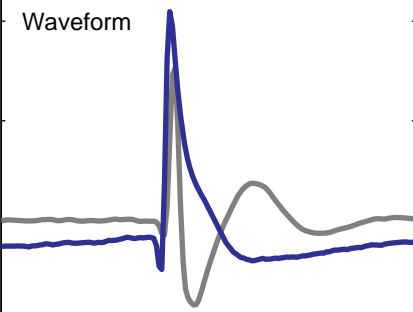


1 Cue On [104] 2 Nose In [104] 3 Tone [47,57] 4 Go [104] 5 Choice [53,51] 6 Side In [53,51] 7 Nose Out [53,51] 8 Reward [41,45]

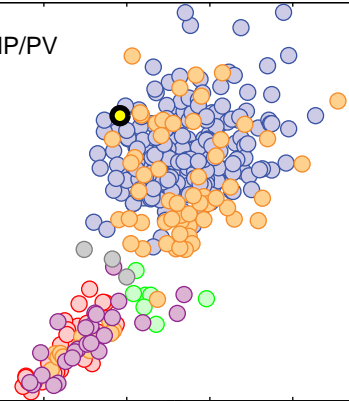
Cell: C0320070701T09e

AP: 1.6 ML: 3.7 DV: 6.3
w: 2 n: 252 $P_{ISI>2}$: 0.99
1/2pw: 192 μ s p->v: 995 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.047 Hz
Pk Ev: None
Pk FR: --

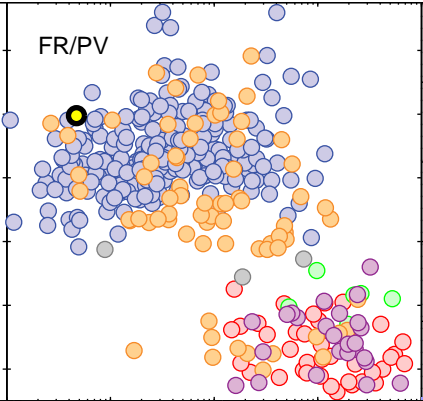
MSN



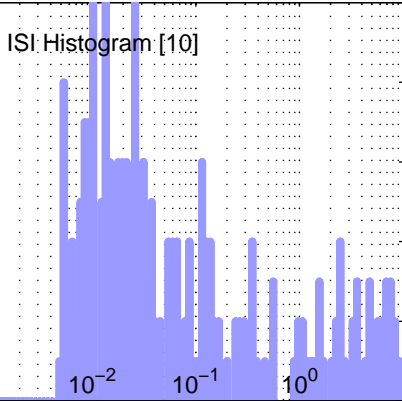
HP/PV



FR/PV



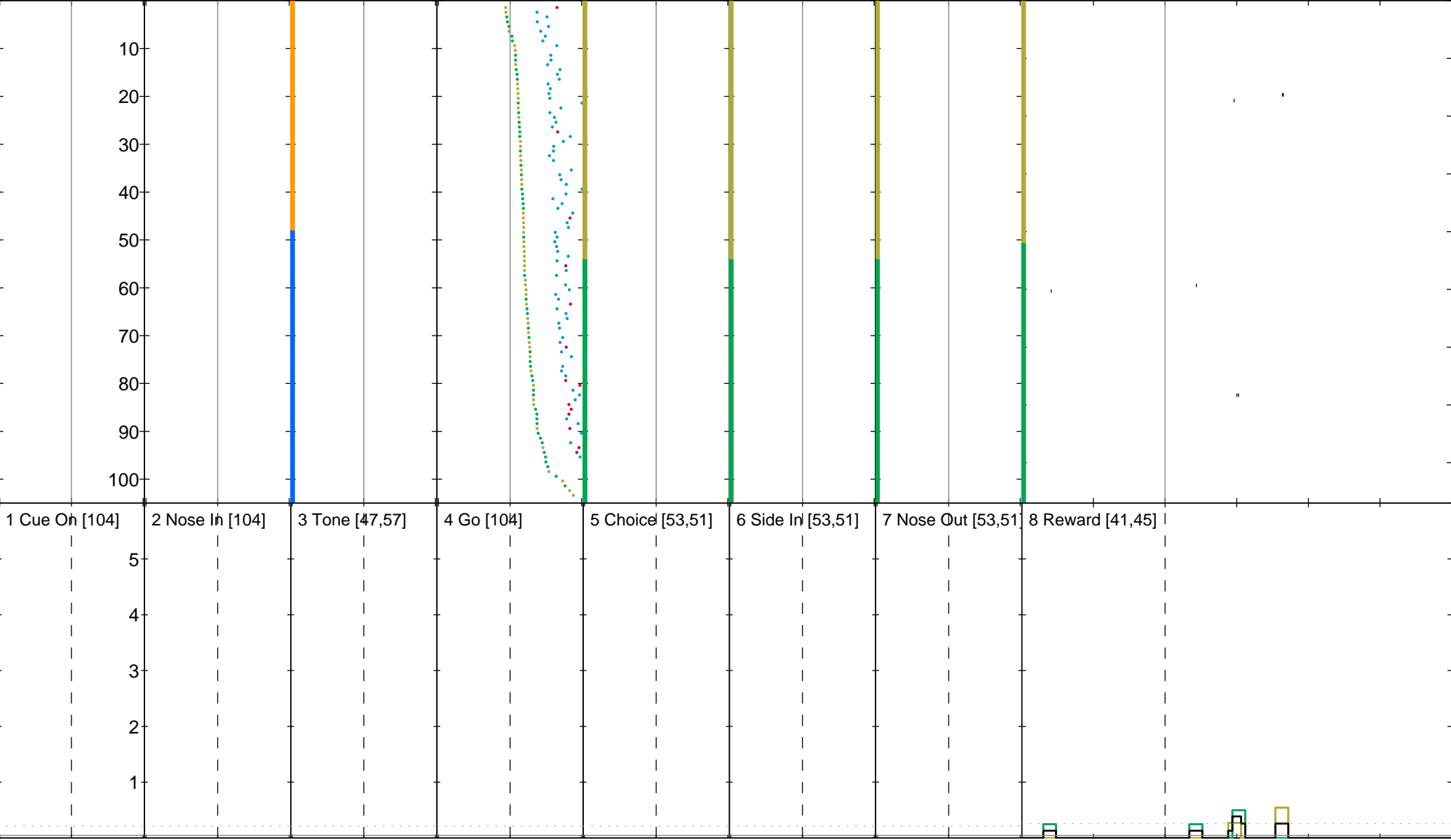
ISI Histogram [10]



10
20
30
40
50
60
70
80
90
100

1 Cue On [104] 2 Nose In [104] 3 Tone [47,57] 4 Go [104] 5 Choice [53,51] 6 Side In [53,51] 7 Nose Out [53,51] 8 Reward [41,45]

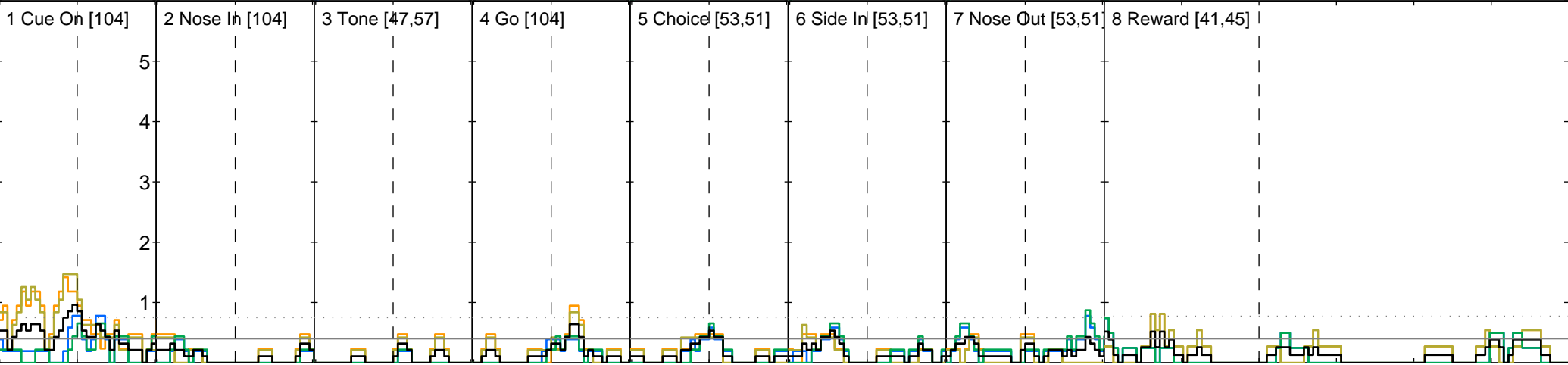
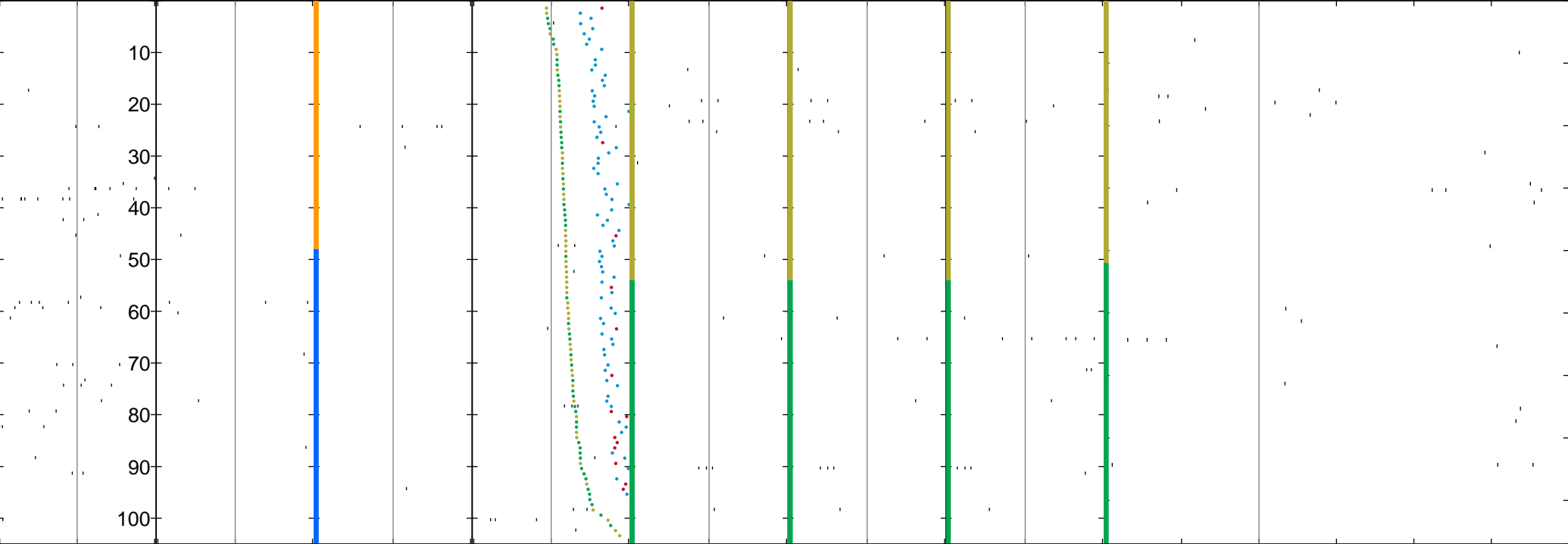
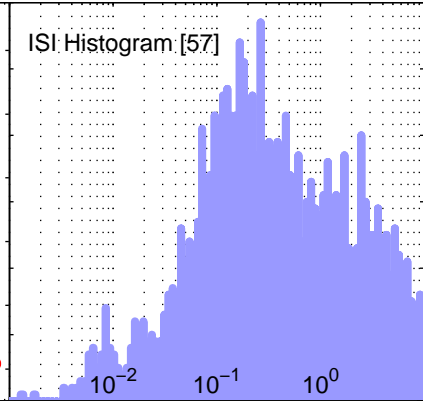
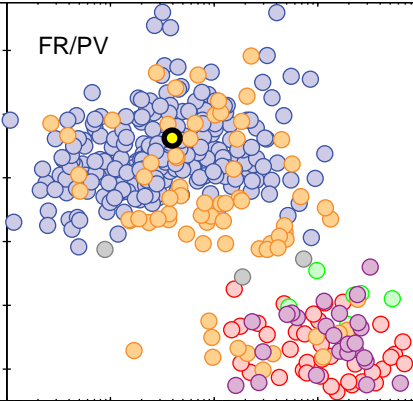
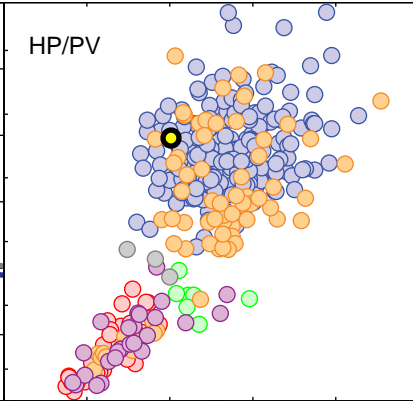
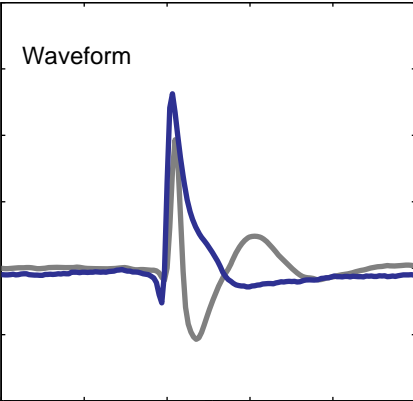
5
4
3
2
1



Cell: C0320070701T11a

AP: -0.96 ML: 3.7 DV: 7.3
w: 2 n: 2200 $P_{ISI>2}$: 0.88
1/2pw: 202 μ s p->v: 925 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.394 Hz
Pk Ev: None
Pk FR: --

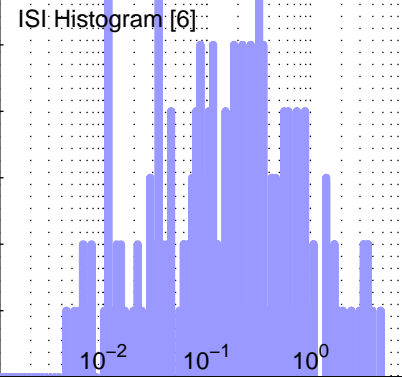
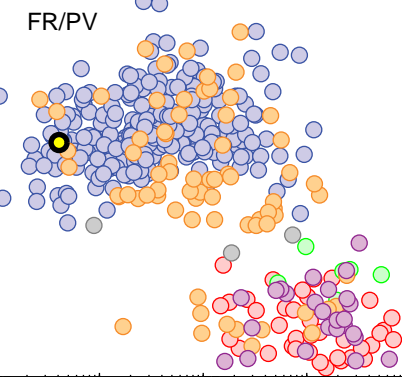
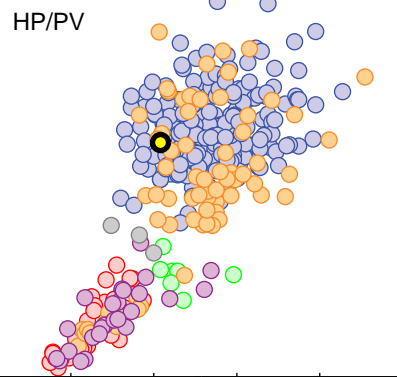
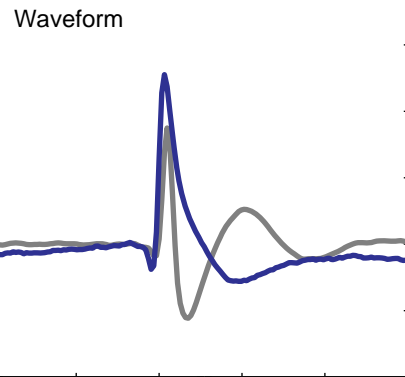
MSN



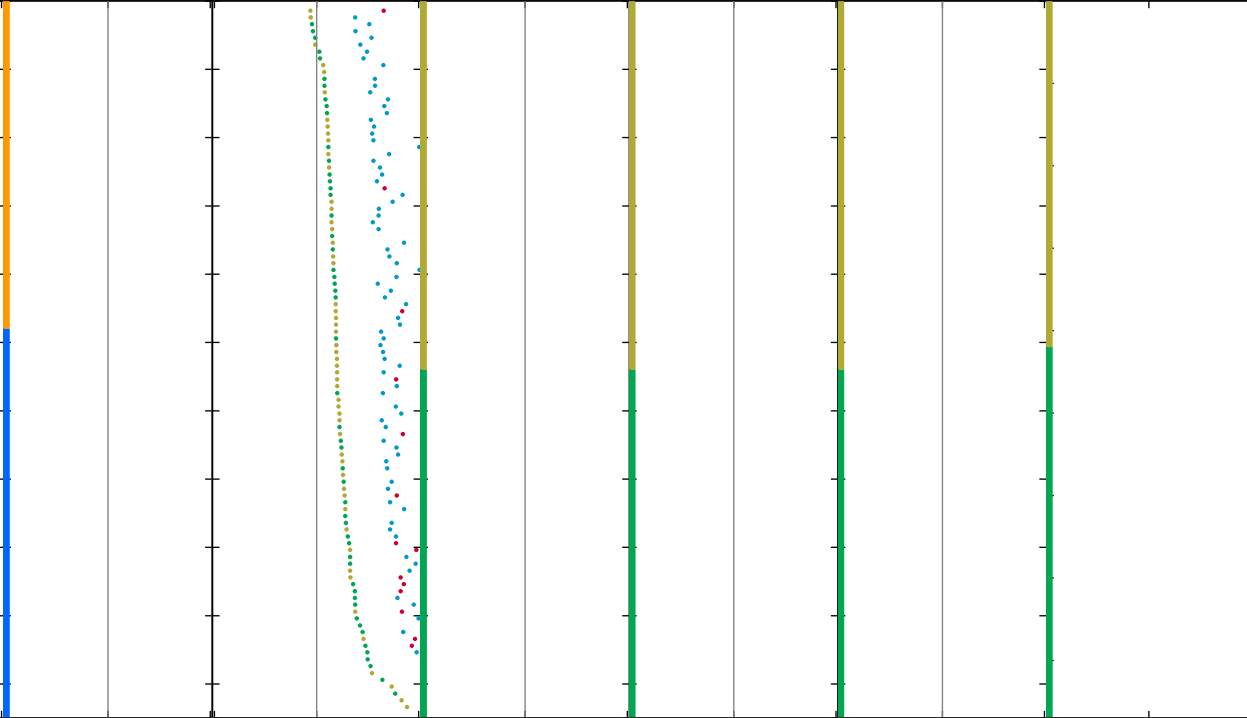
Cell: C0320070701T11b

AP: -0.96 ML: 3.7 DV: 7.3
w: 4 n: 171 $P_{ISI>2}$: 0.99
1/2pw: 208 μ s p->v: 835 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0407 Hz
Pk Ev: None
Pk FR: --

MSN



10
20
30
40
50
60
70
80
90
100



1 Cue On [104] 2 Nose In [104] 3 Tone [47,57] 4 Go [104] 5 Choice [53,51] 6 Side In [53,51] 7 Nose Out [53,51] 8 Reward [41,45]

5
4
3
2
1

Cell: C0320070702T07b

AP: 0.96 ML: 3.6 DV: 7.8

w: 3 n: 646 $P_{ISI>2}$: 0.971/2pw: 240 μ s p->v: 838 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

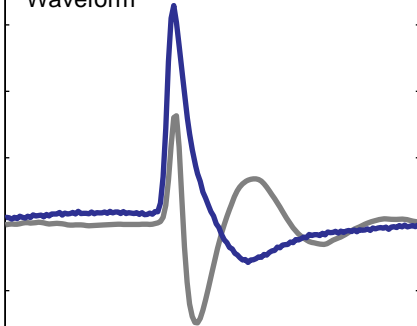
Session FR: 0.129 Hz

Pk Ev: None

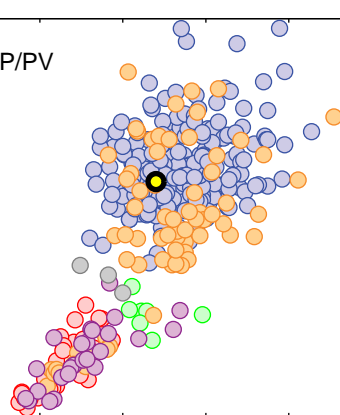
Pk FR: --

MSN

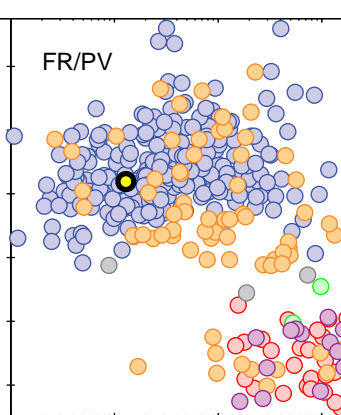
Waveform



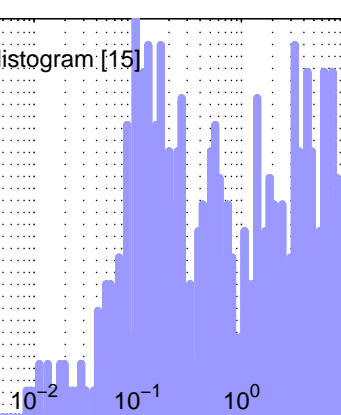
HP/PV



FR/PV



ISI Histogram [15]



20

40

60

80

100

120

1 Cue On [135]

2 Nose In [135]

3 Tone [71,64]

4 Go [135]

5 Choice [73,62]

6 Side In [73,62]

7 Nose Out [73,62]

8 Reward [60,51]

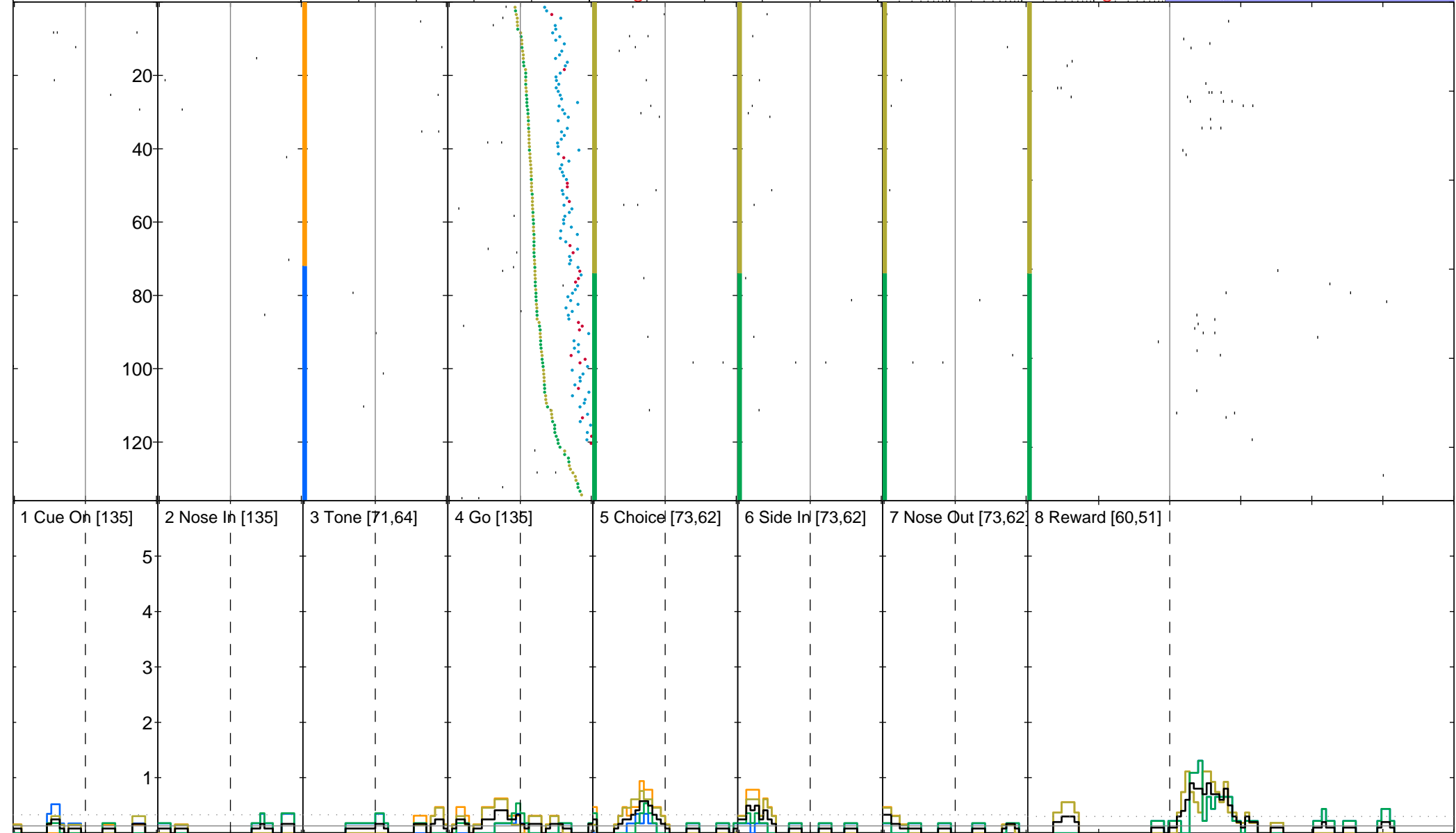
5

4

3

2

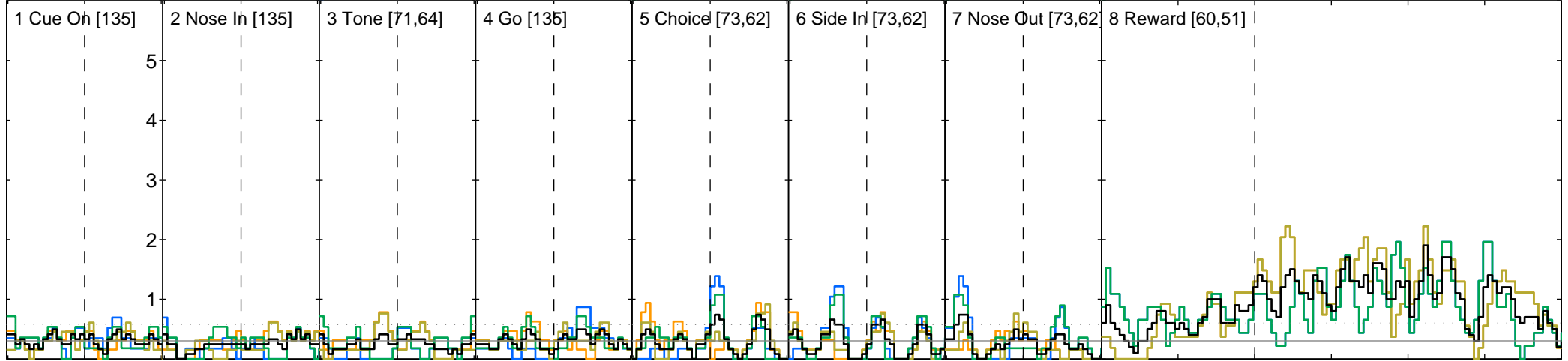
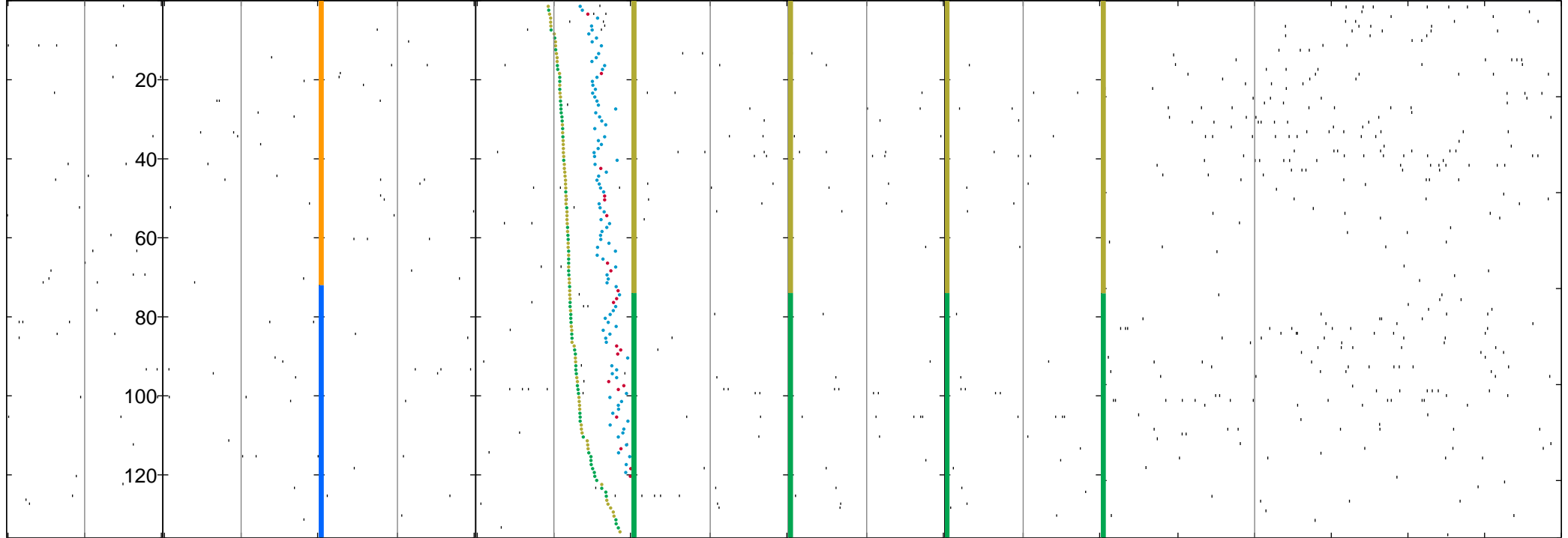
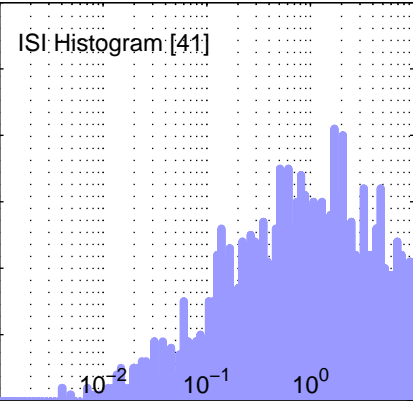
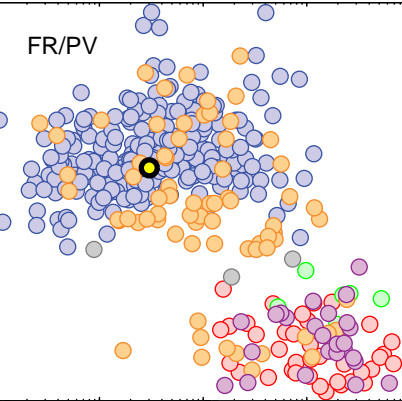
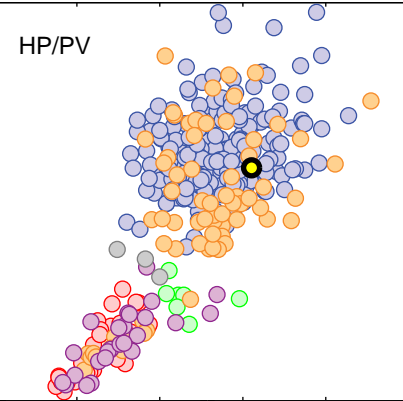
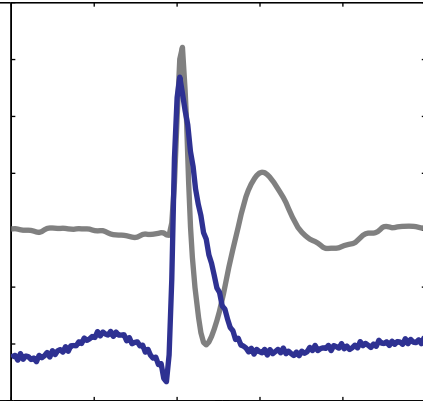
1



Cell: C0320070702T09a

AP: 1.6 ML: 3.7 DV: 6.4
w: 3 n: 1507 $P_{ISI>2}$: 0.88
1/2pw: 310 μ s p->v: 832 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.302 Hz
Pk Ev: None
Pk FR: --

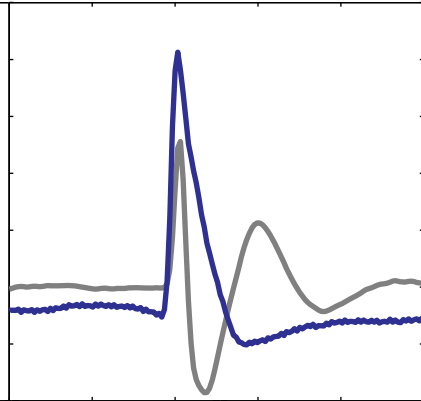
MSN



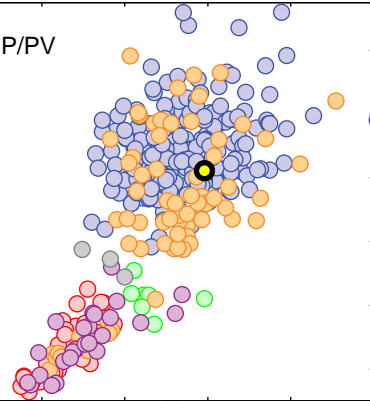
Cell: C0320070702T09b

AP: 1.6 ML: 3.7 DV: 6.4
w: 3 n: 907 $P_{ISI>2}$: 0.94
1/2pw: 296 μ s p->v: 822 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.182 Hz
Pk Ev: None
Pk FR: --

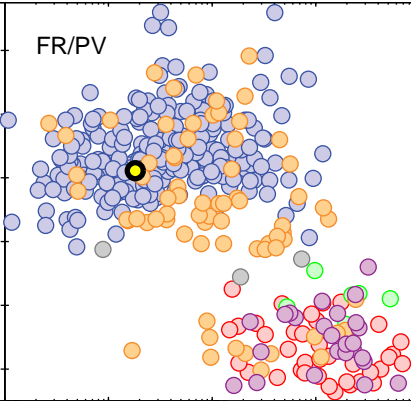
MSN



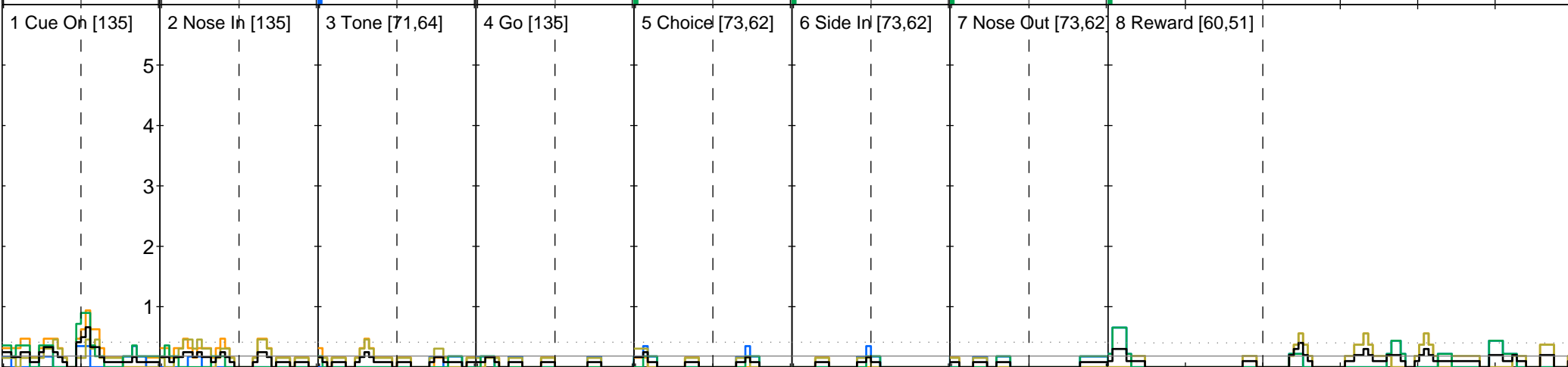
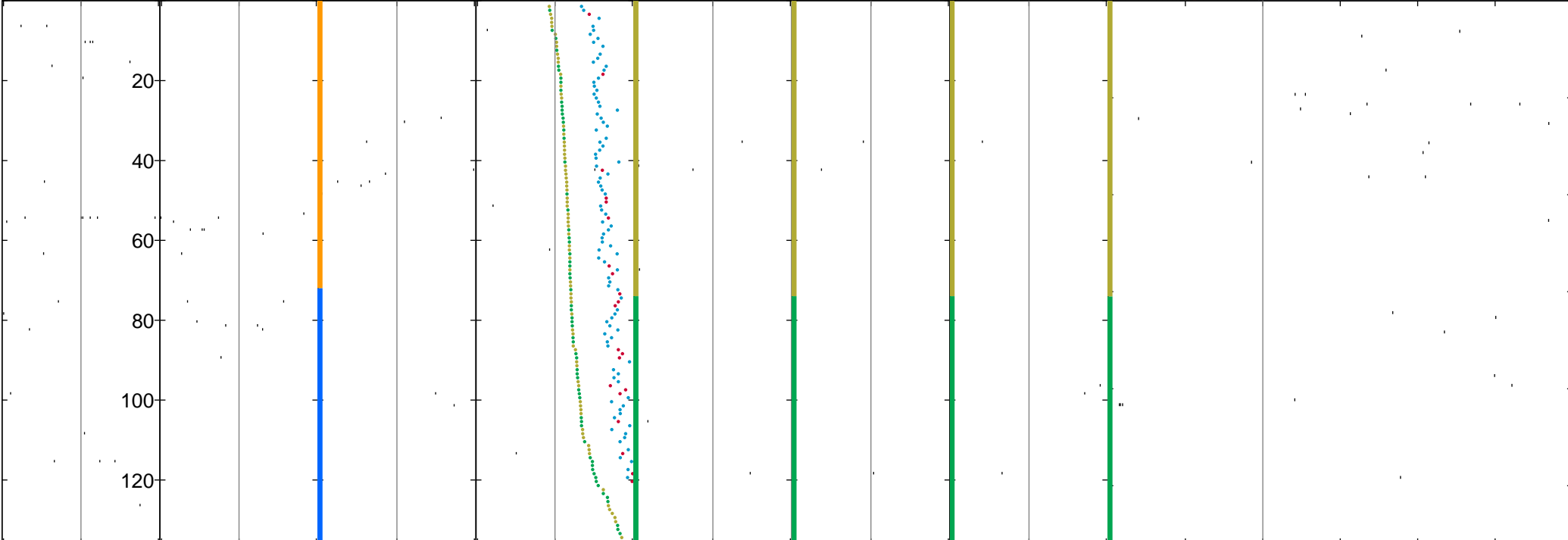
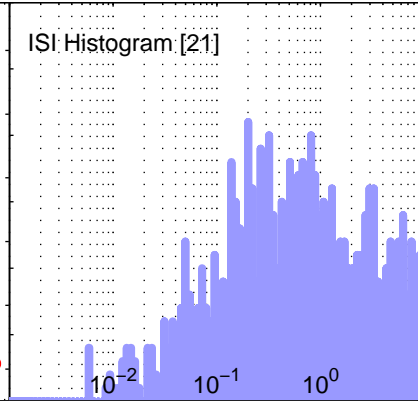
HP/PV



FR/PV



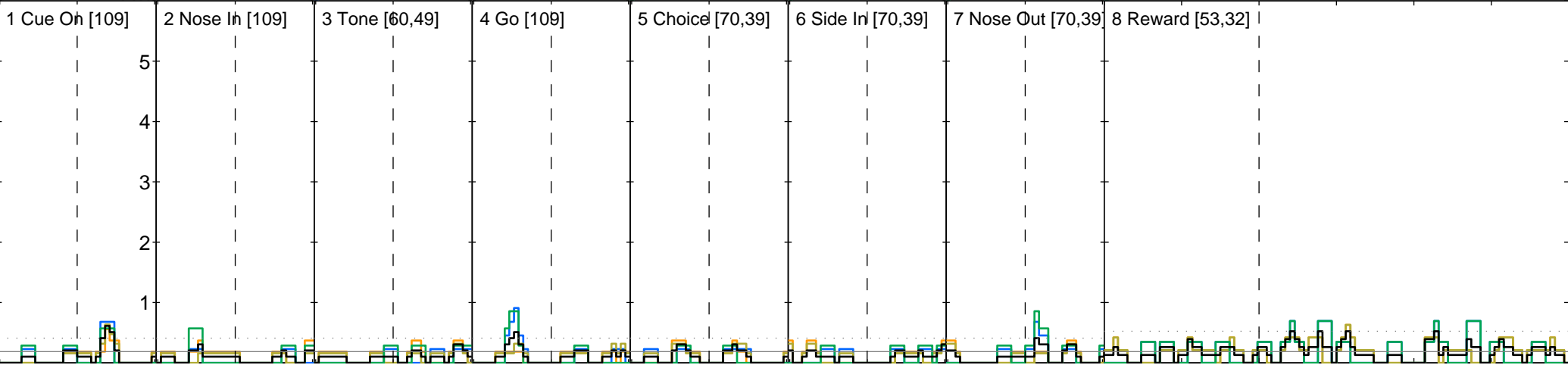
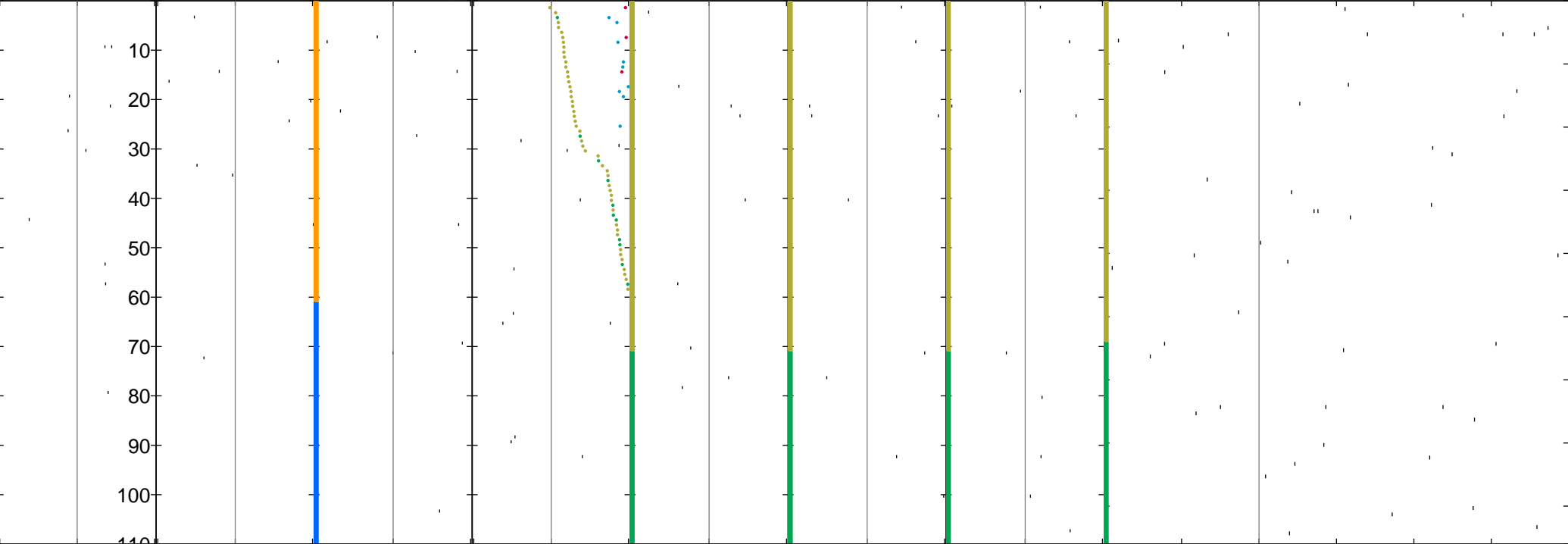
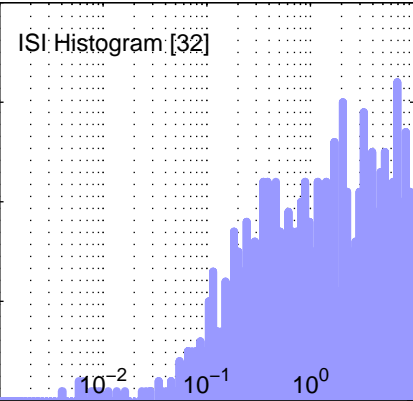
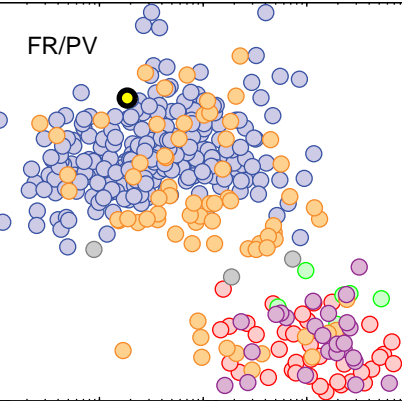
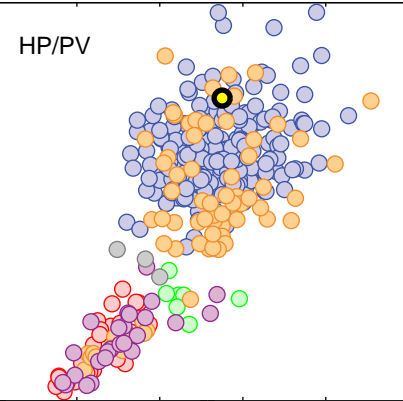
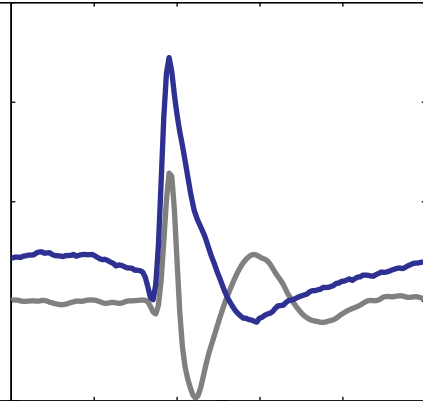
ISI Histogram [21]



Cell: C0420070226T04c

AP: 2.5 ML: 1.8 DV: 5.7
w: 1 n: 1156 $P_{ISI>2}$: 0.94
1/2pw: 275 μ s p->v: 1050 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.185 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0420070226T04e

AP: 2.5 ML: 1.8 DV: 5.7

w: 3 n: 1941 $P_{ISI>2}$: 0.87

1/2pw: 330 μ s p \rightarrow v: 1122 μ s

β_T : -2.8 β_D : 0.8

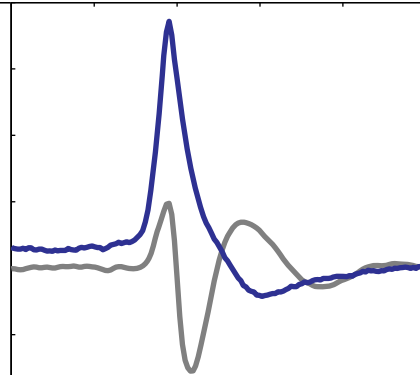
β_P : 2.5 SI: NaN

Session FR: 0.312 Hz

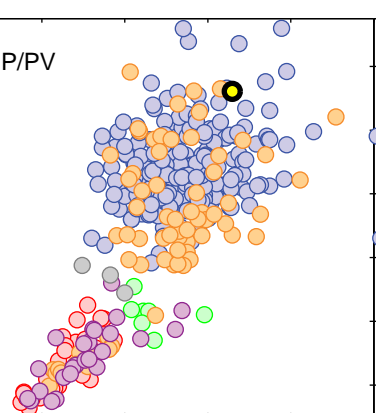
Pk Ev: None

Pk FR: --

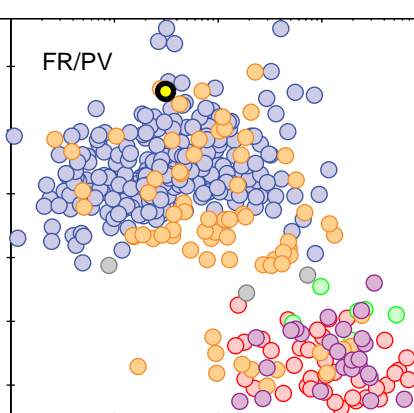
MSN



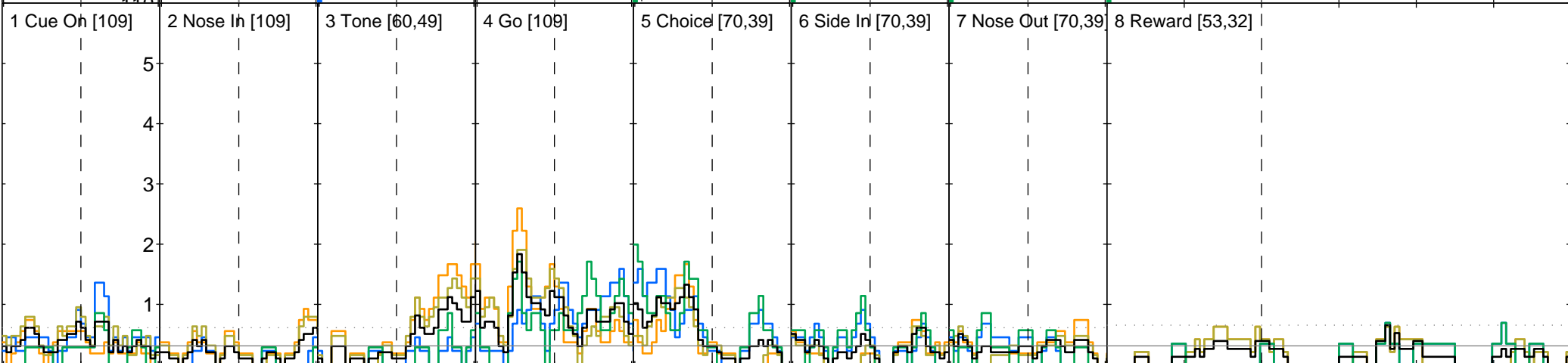
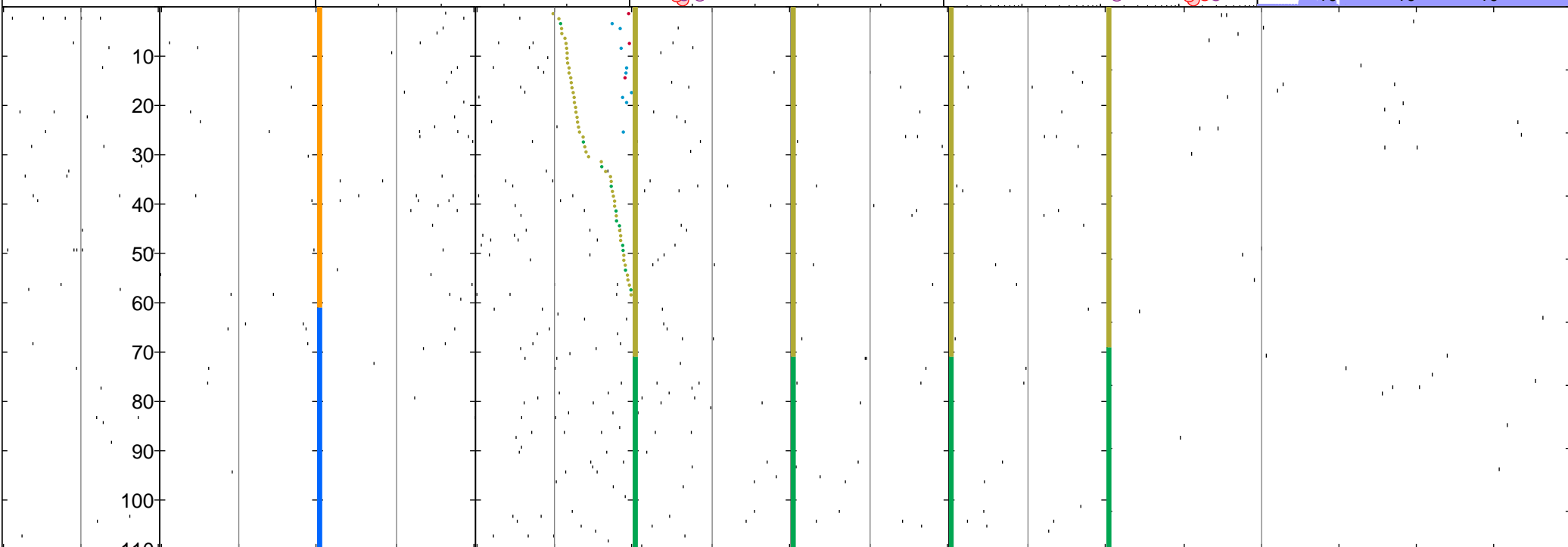
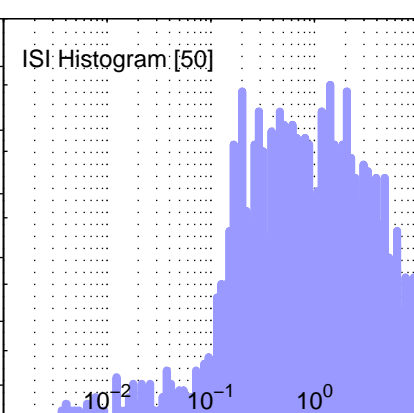
HP/PV



FR/PV



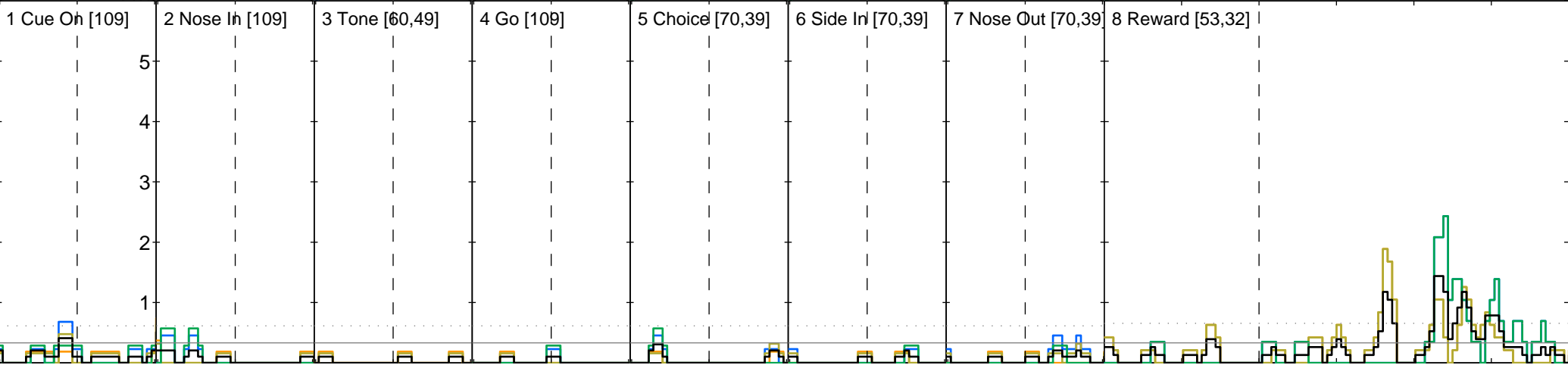
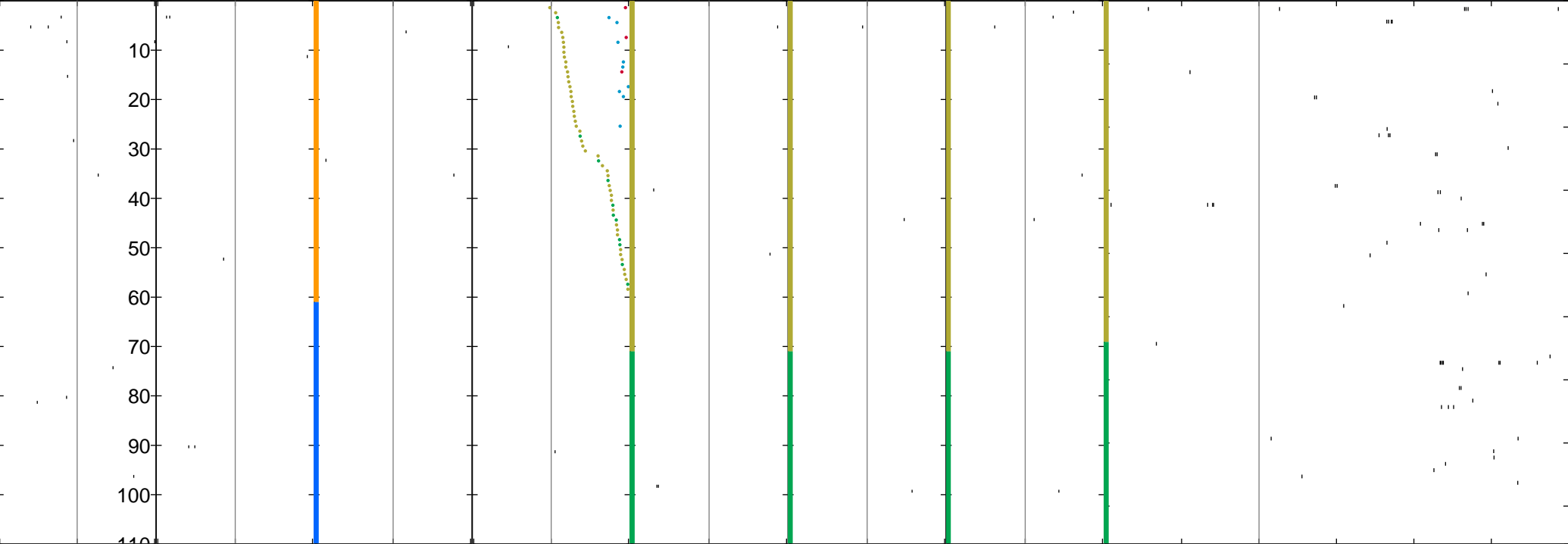
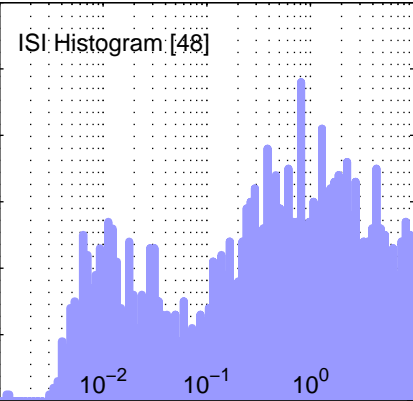
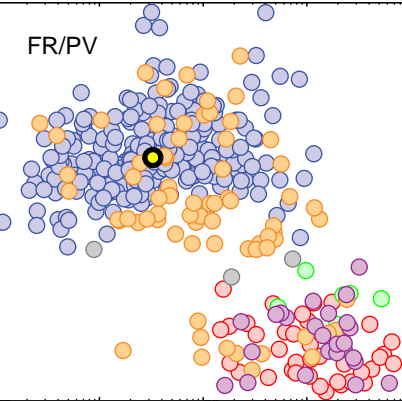
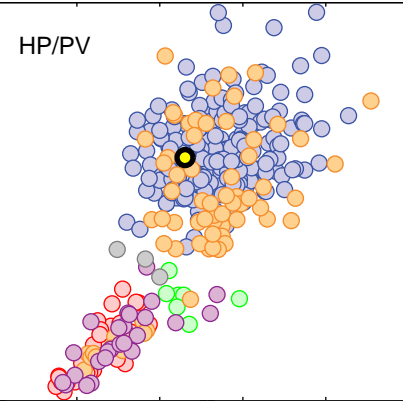
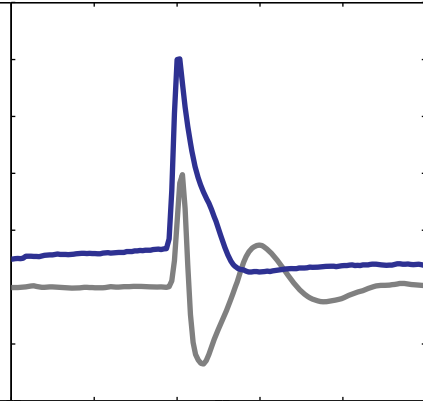
ISI Histogram [50]



Cell: C0420070226T05a

AP: 2.5 ML: 1.3 DV: 6.3
w: 3 n: 2054 $P_{ISI>2}$: 0.9
1/2pw: 230 μ s p->v: 864 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.329 Hz
Pk Ev: None
Pk FR: --

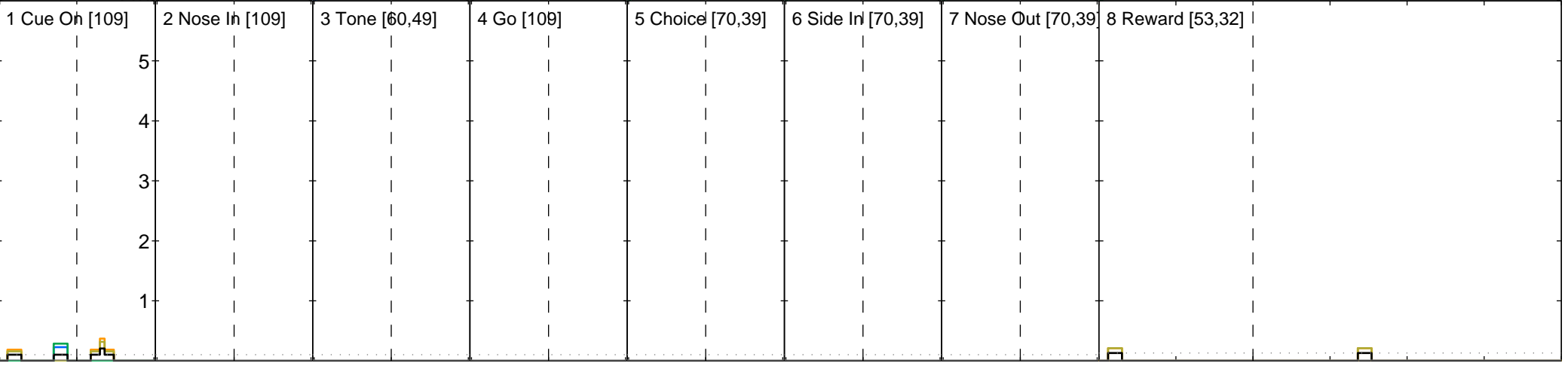
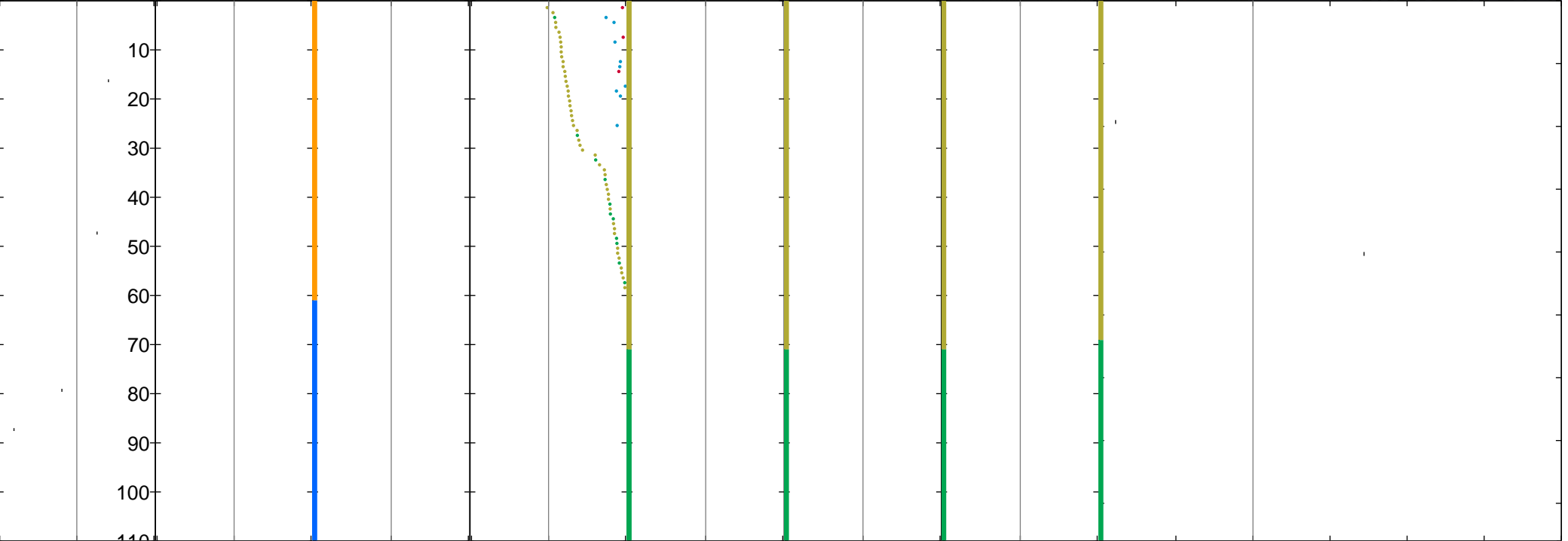
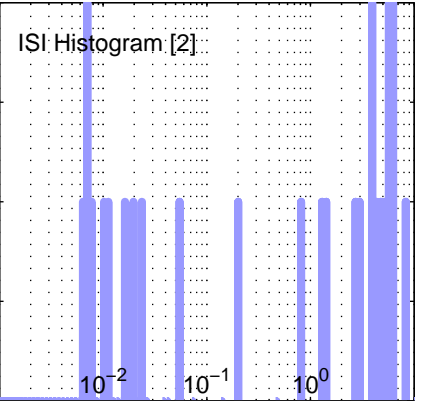
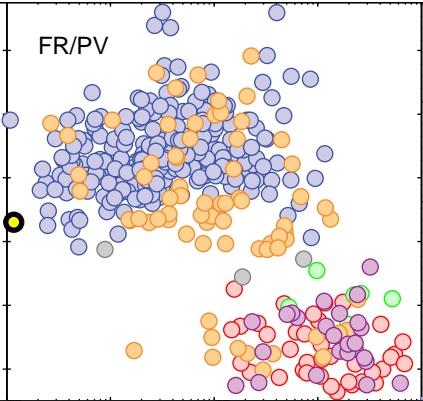
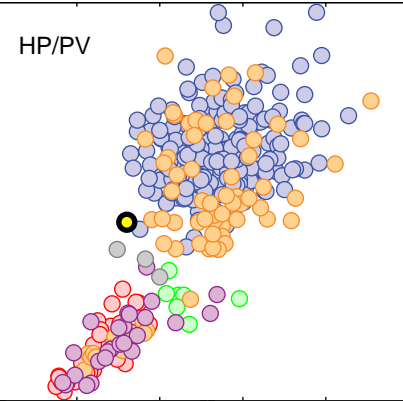
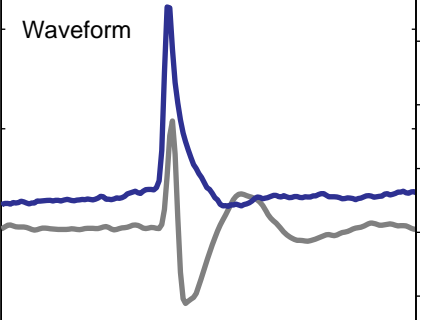
MSN



Cell: C0420070226T05b

AP: 2.5 ML: 1.3 DV: 6.3
w: 4 n: 73 $P_{ISI>2}$: 1
1/2pw: 160 μ s p->v: 661 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0117 Hz
Pk Ev: None
Pk FR: --

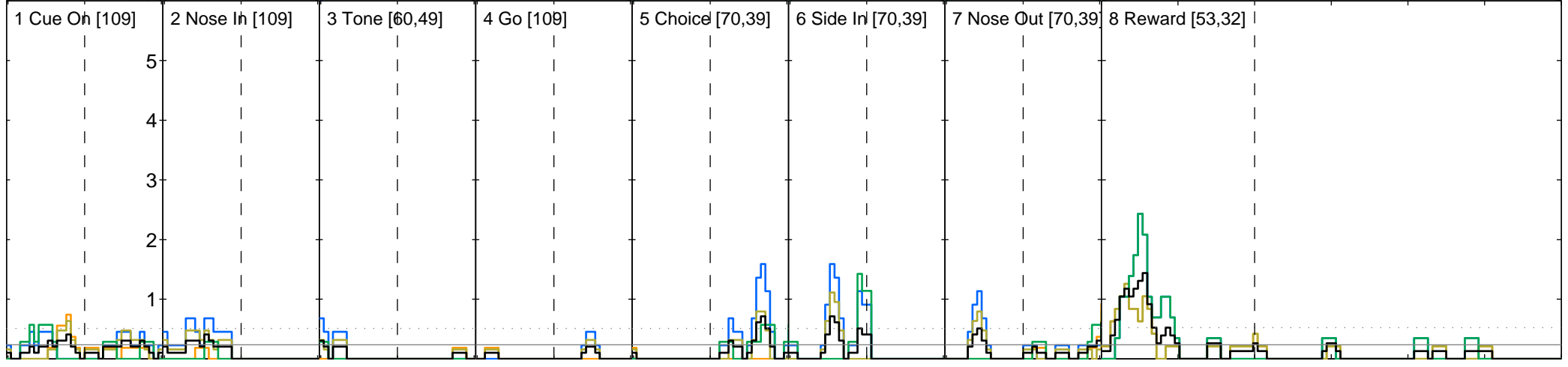
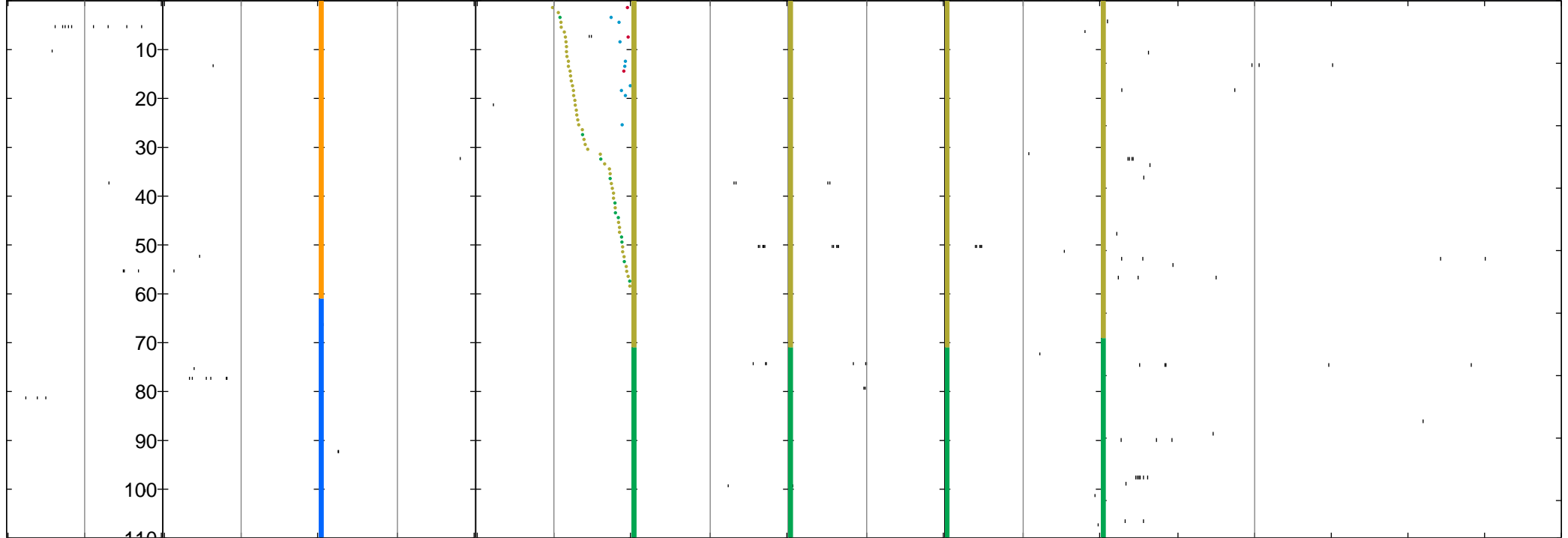
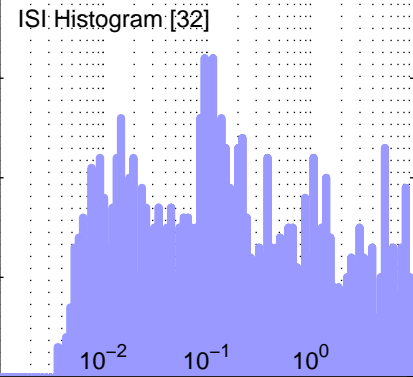
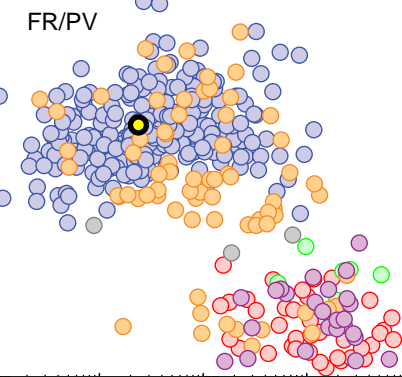
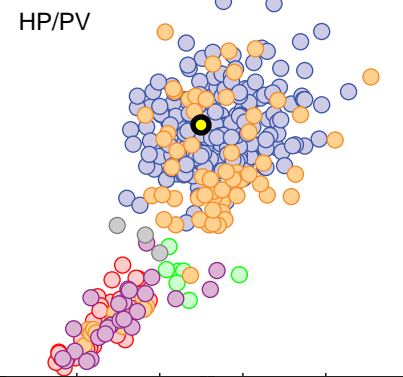
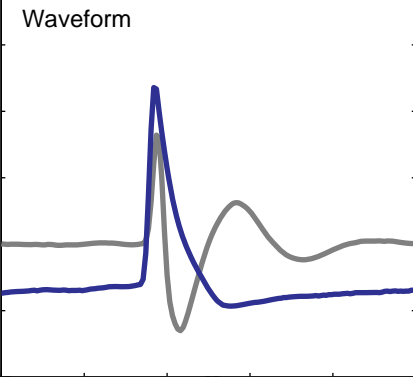
MSN



Cell: C0420070226T06a

AP: 2 ML: 1.8 DV: 5.2
w: 3 n: 1467 $P_{ISI>2}$: 0.95
1/2pw: 250 μ s p->v: 891 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.237 Hz
Pk Ev: None
Pk FR: --

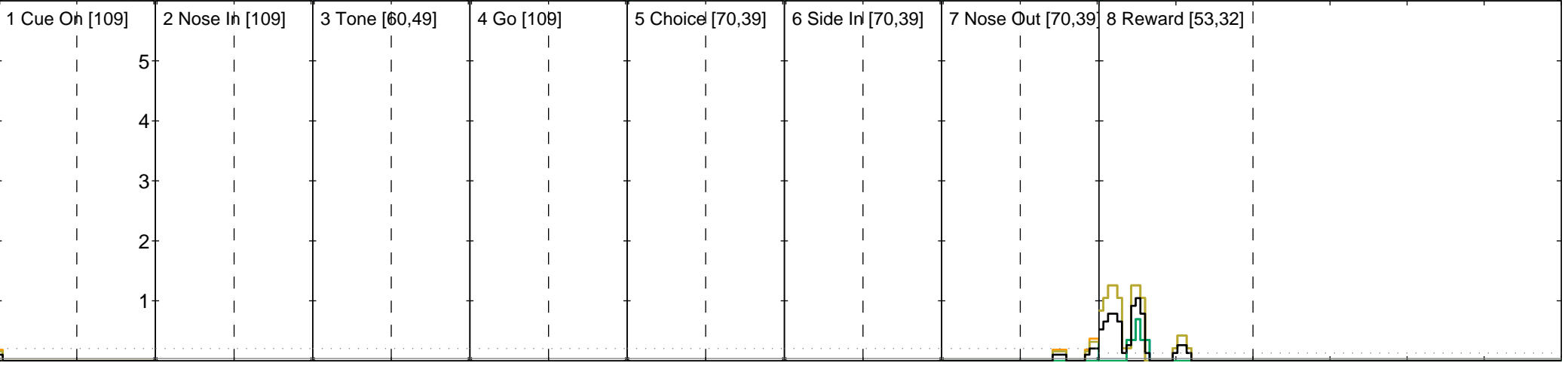
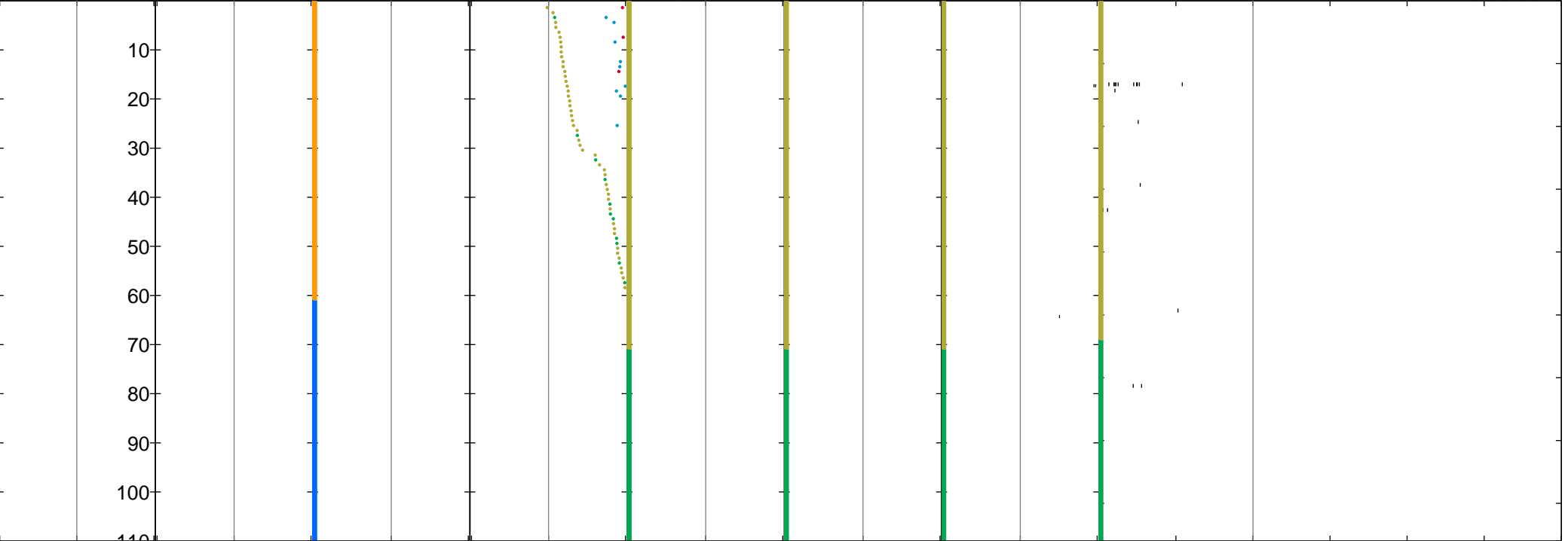
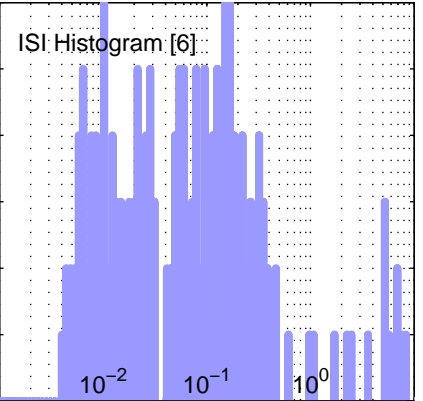
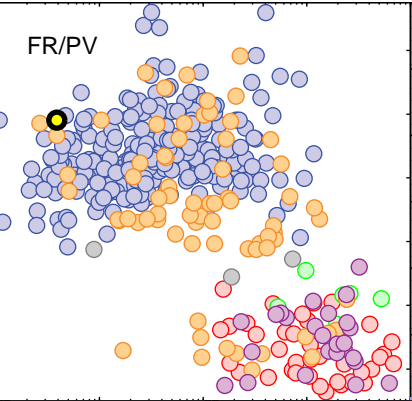
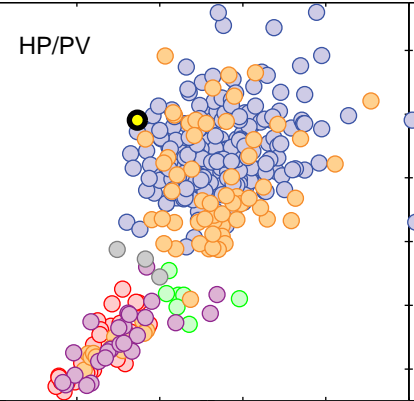
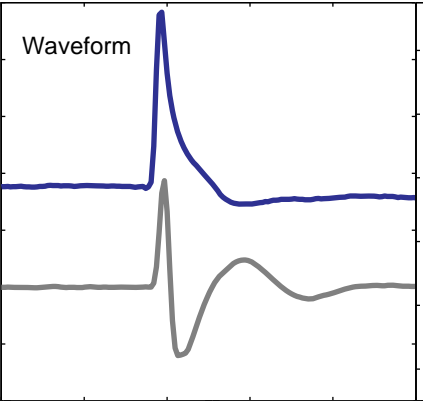
MSN



Cell: C0420070226T06b

AP: 2 ML: 1.8 DV: 5.2
w: 3 n: 239 $P_{ISI>2}$: 1
1/2pw: 173 μ s p->v: 981 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0389 Hz
Pk Ev: None
Pk FR: --

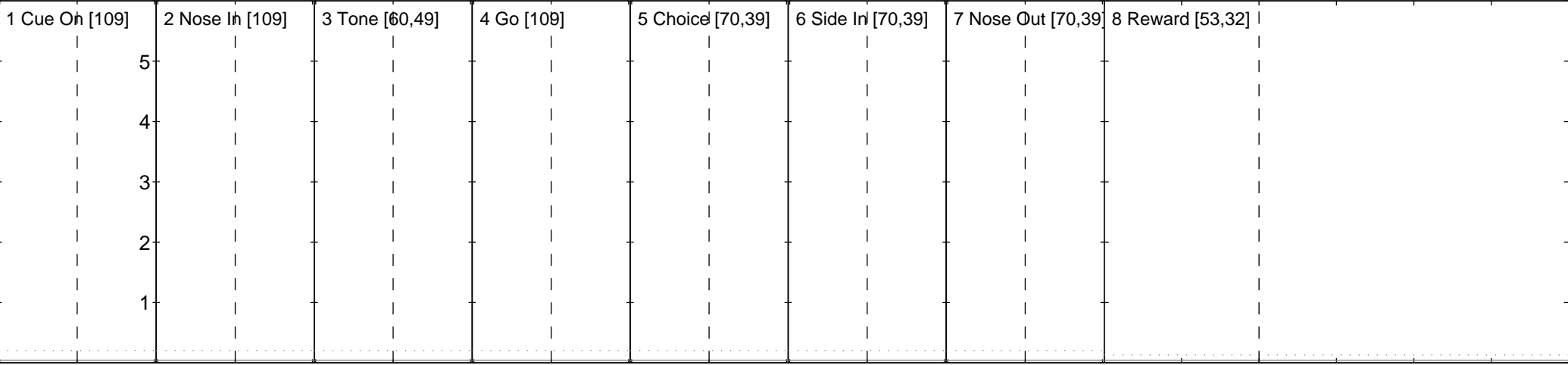
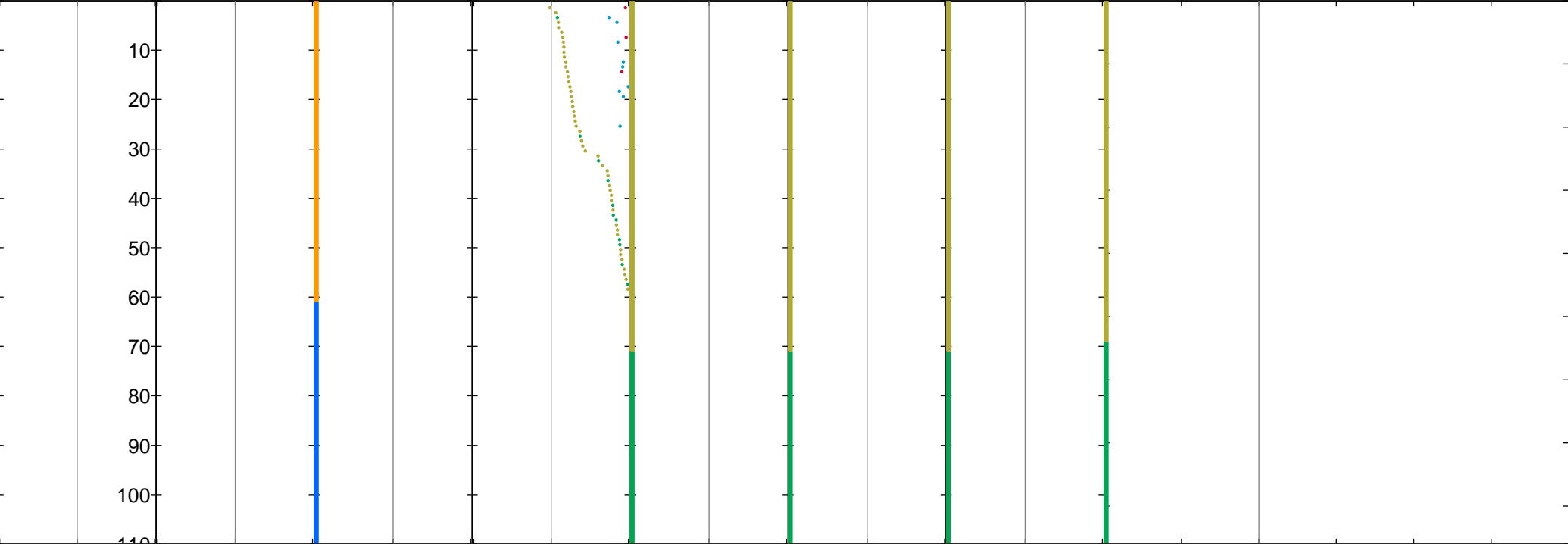
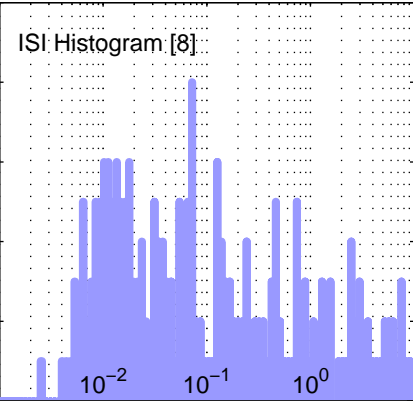
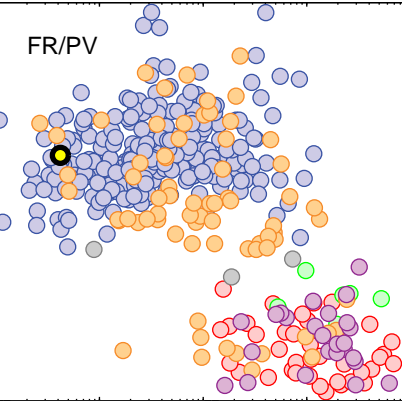
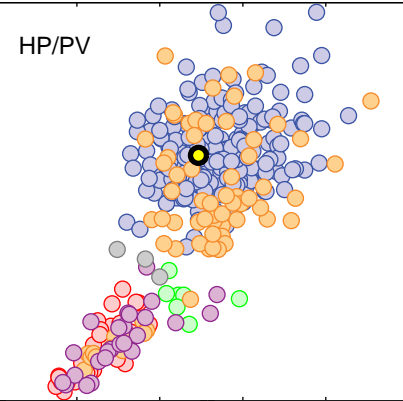
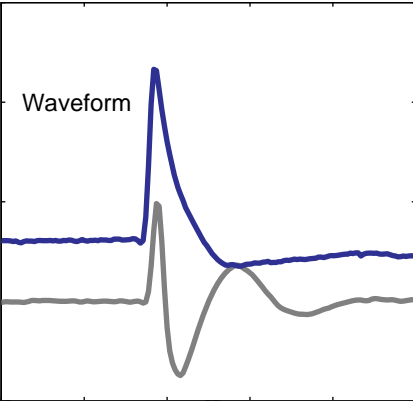
MSN



Cell: C0420070226T06c

AP: 2 ML: 1.8 DV: 5.2
w: 4 n: 263 $P_{ISI>2}$: 0.99
1/2pw: 246 μ s p->v: 870 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.042 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0420070226T06d

AP: 2 ML: 1.8 DV: 5.2

w: 4 n: 1242 $P_{ISI>2}$: 0.94

1/2pw: 286 μ s p->v: 1045 μ s

β_T : NaN β_D : NaN

β_P : NaN SI: NaN

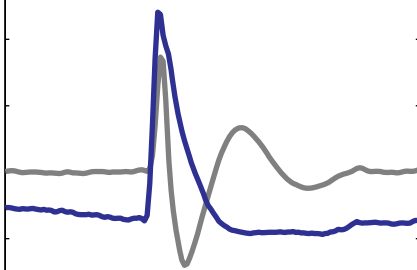
Session FR: 0.199 Hz

Pk Ev: None

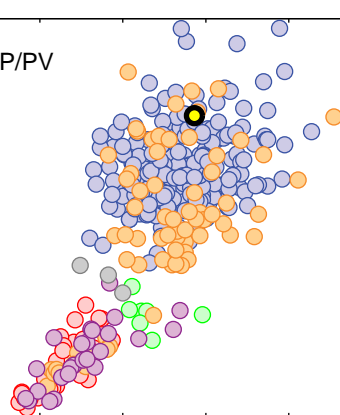
Pk FR: --

MSN

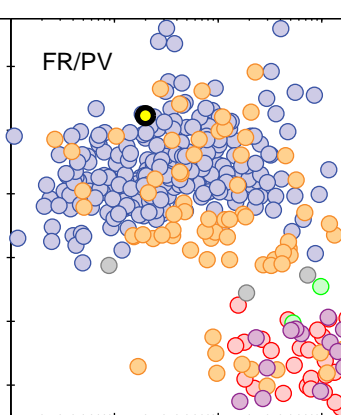
Waveform



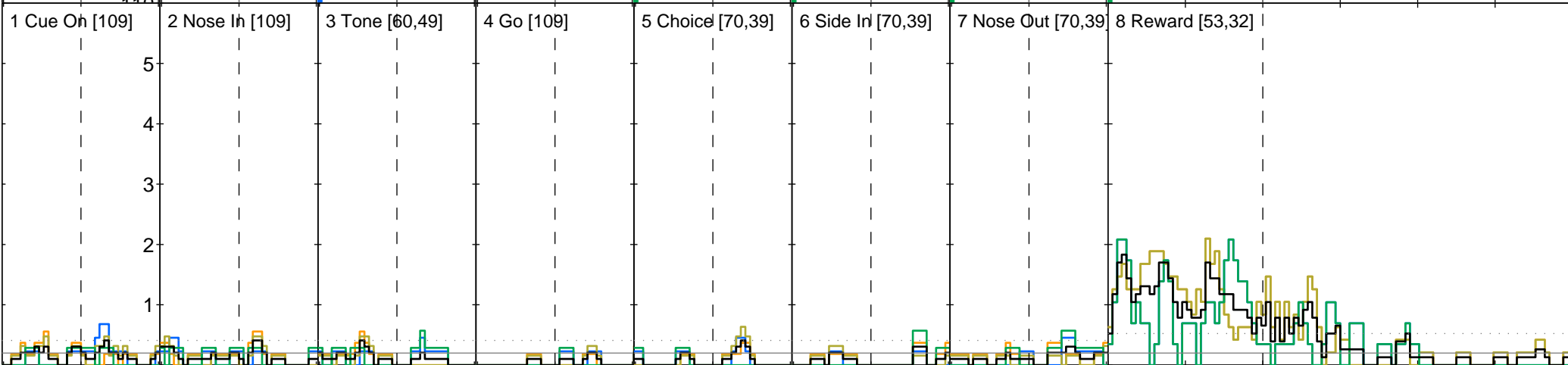
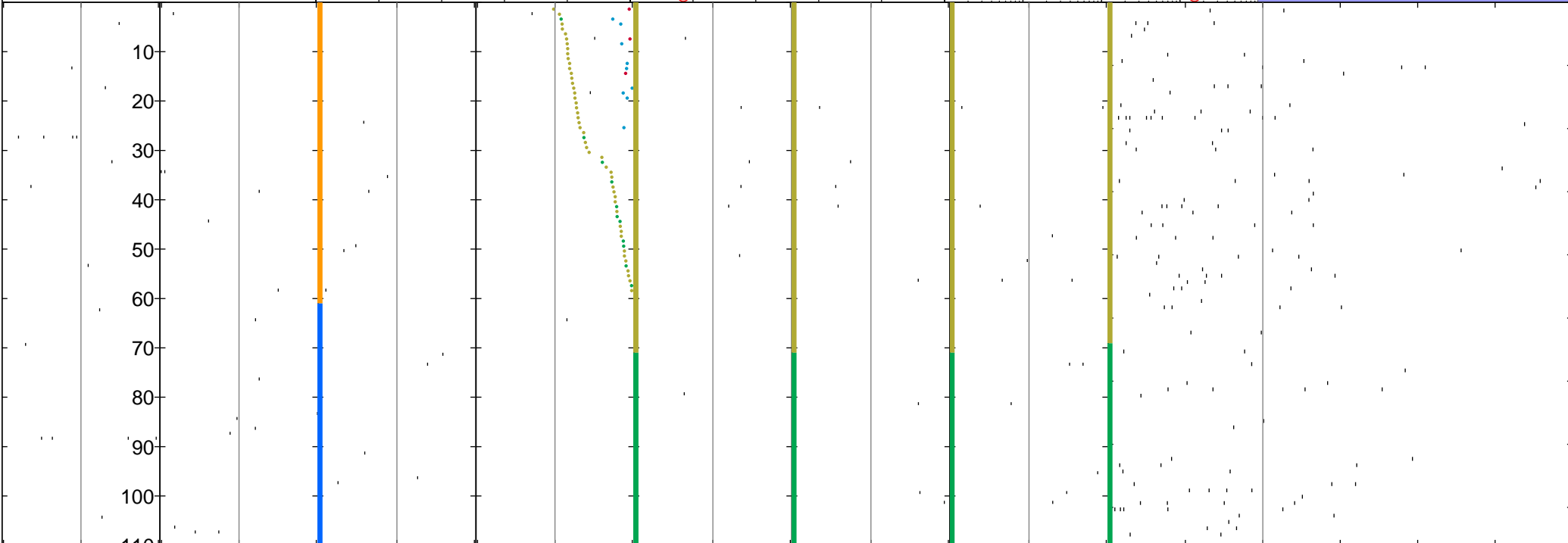
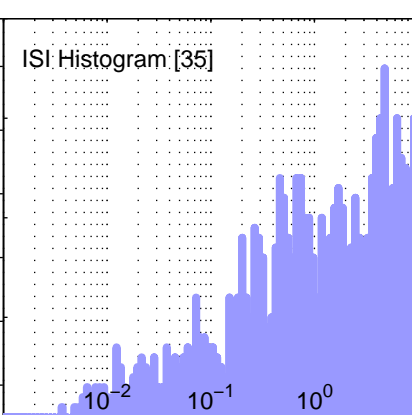
HP/PV



FR/PV



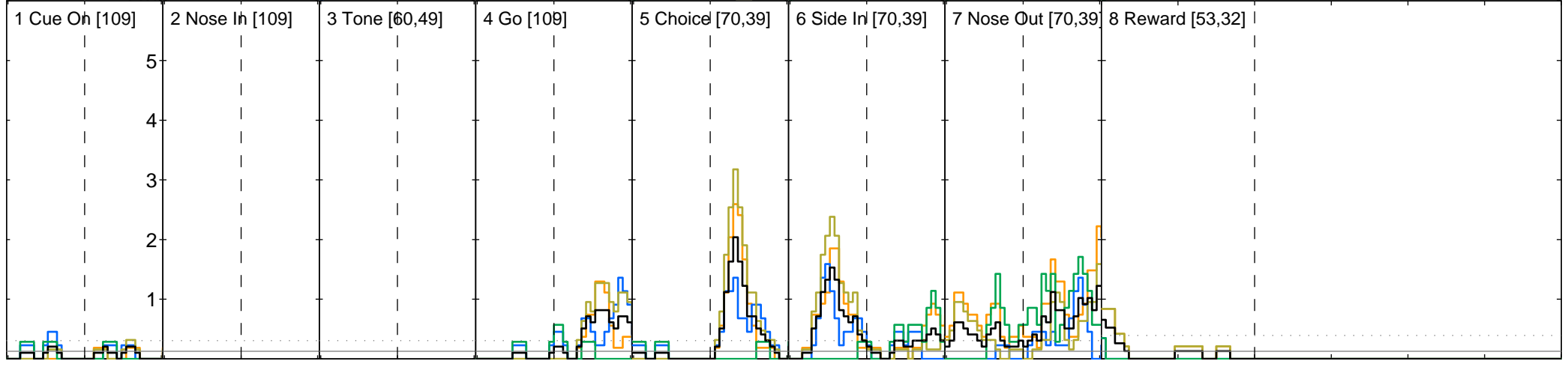
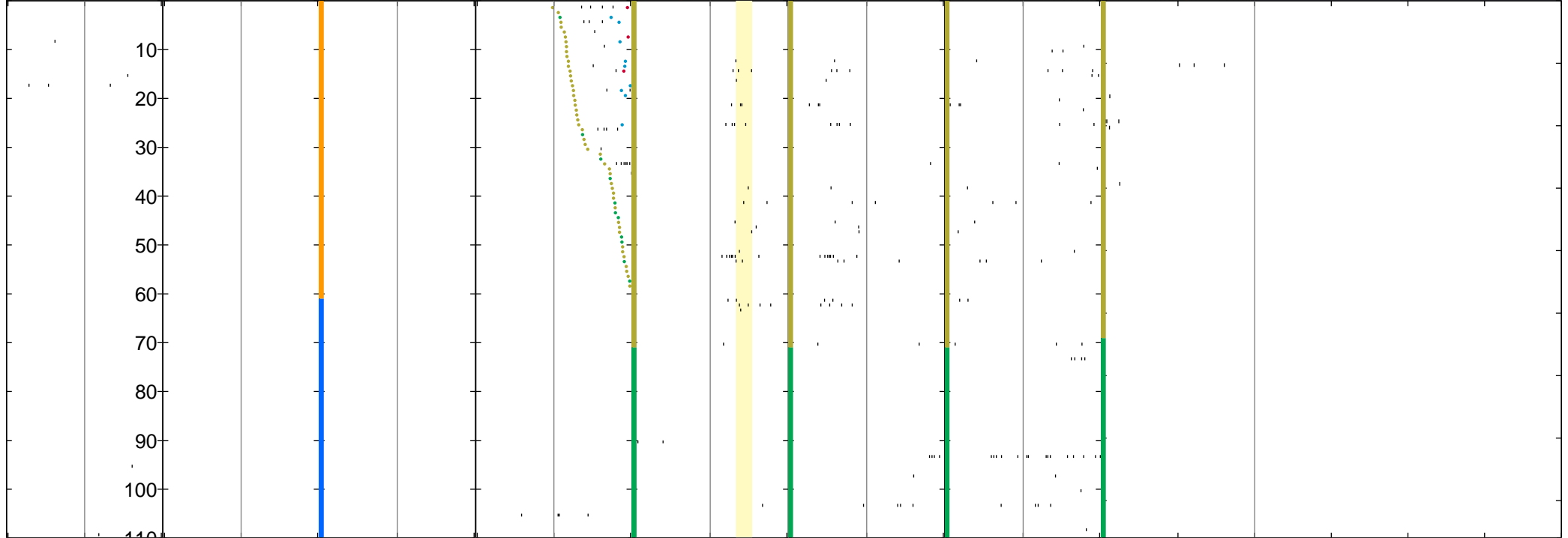
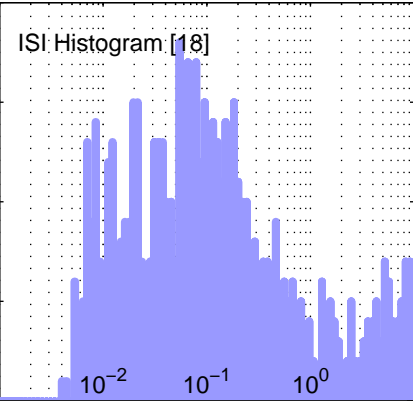
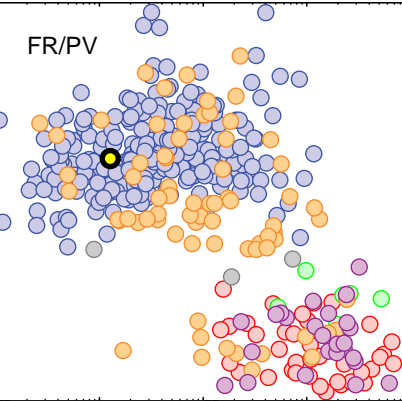
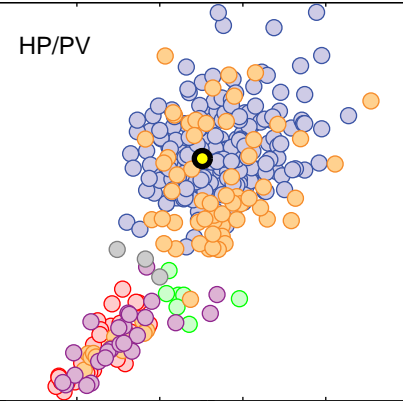
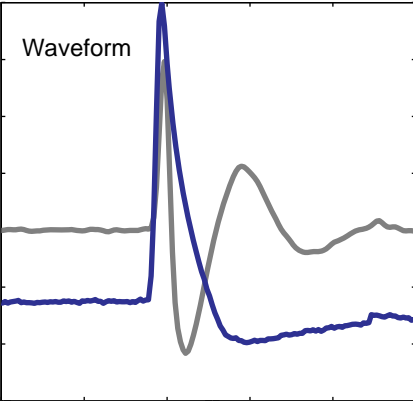
ISI Histogram [35]



Cell: C0420070226T06e

AP: 2 ML: 1.8 DV: 5.2
w: 2 n: 770 $P_{ISI>2}$: 0.98
1/2pw: 251 μ s p->v: 861 μ s
 β_T : 0.47 β_D : -2.7
 β_P : -3.1 SI: NaN
Session FR: 0.128 Hz
Pk Ev: None
Pk FR: --

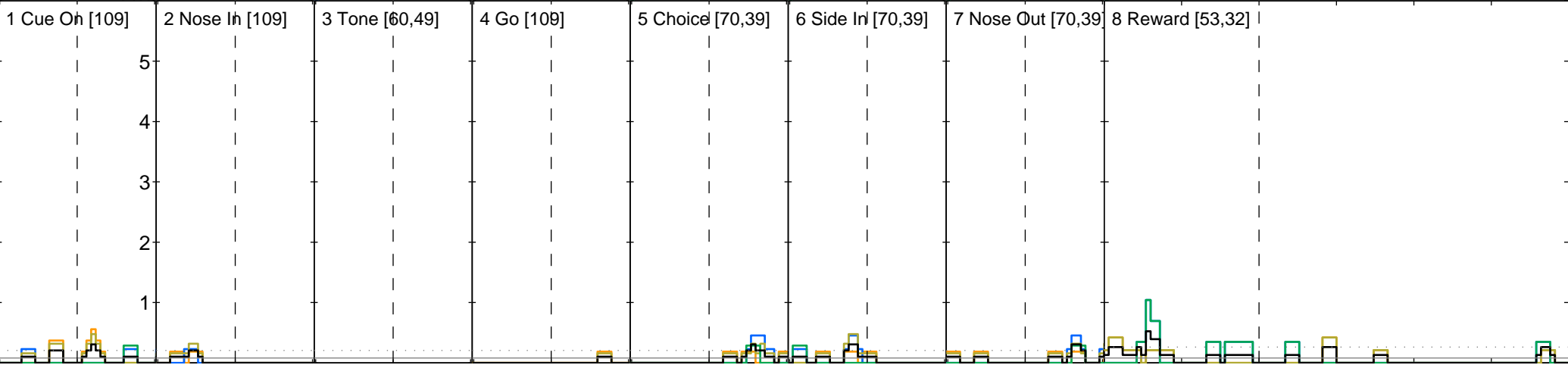
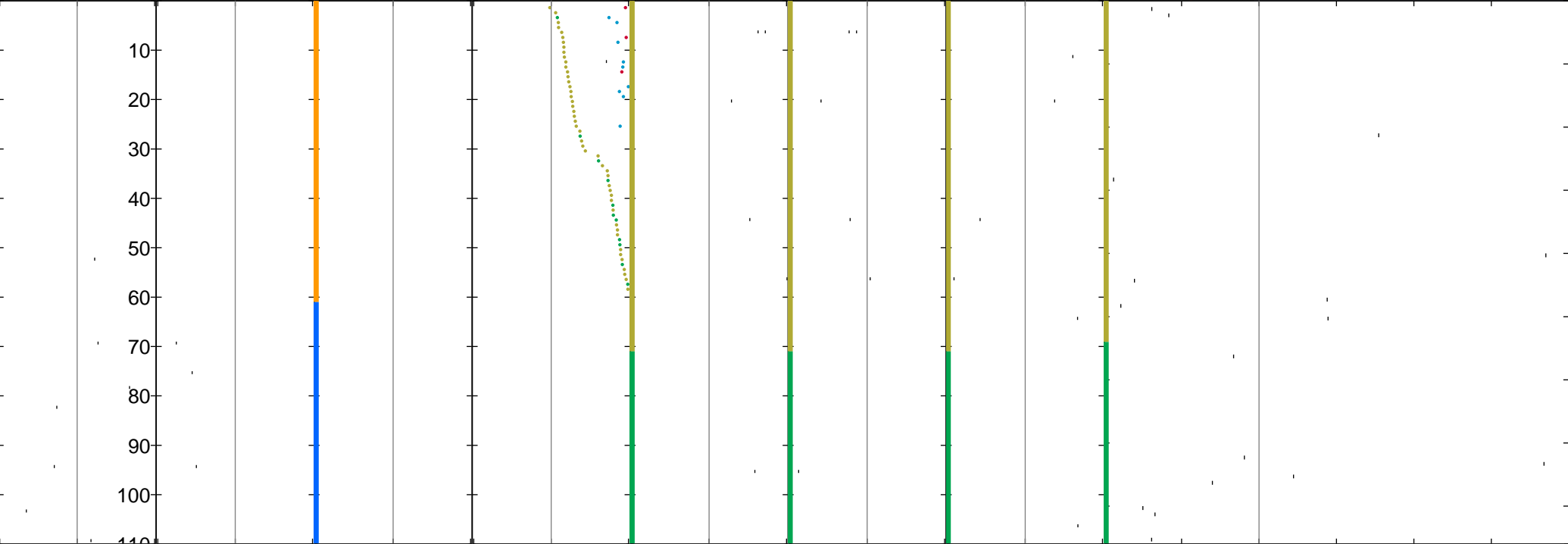
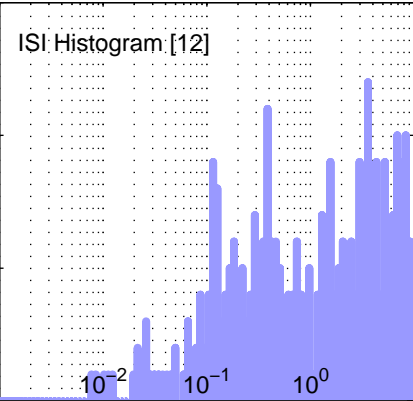
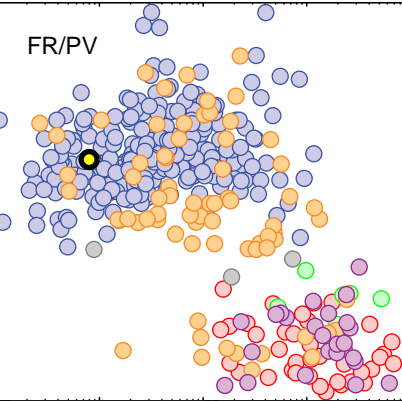
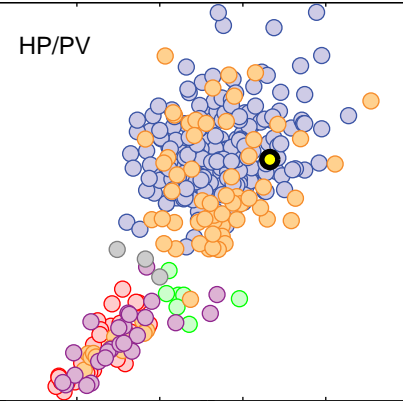
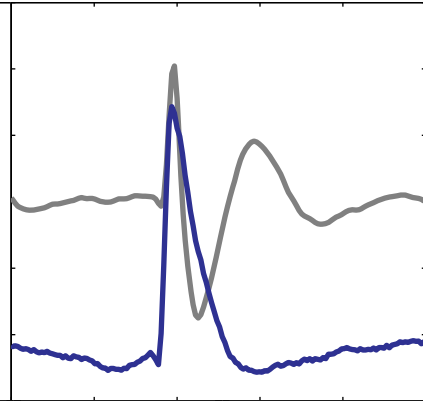
MSN



Cell: C0420070226T06F

AP: 2 ML: 1.8 DV: 5.2
w: 4 n: 491 $P_{ISI>2}$: 0.98
1/2pw: 333 μ s p->v: 858 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0798 Hz
Pk Ev: None
Pk FR: --

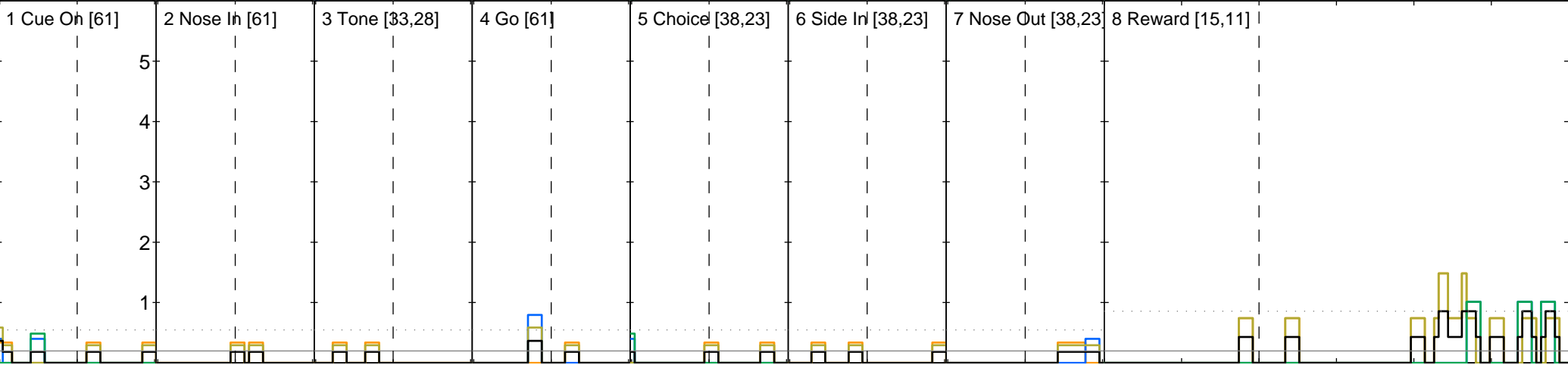
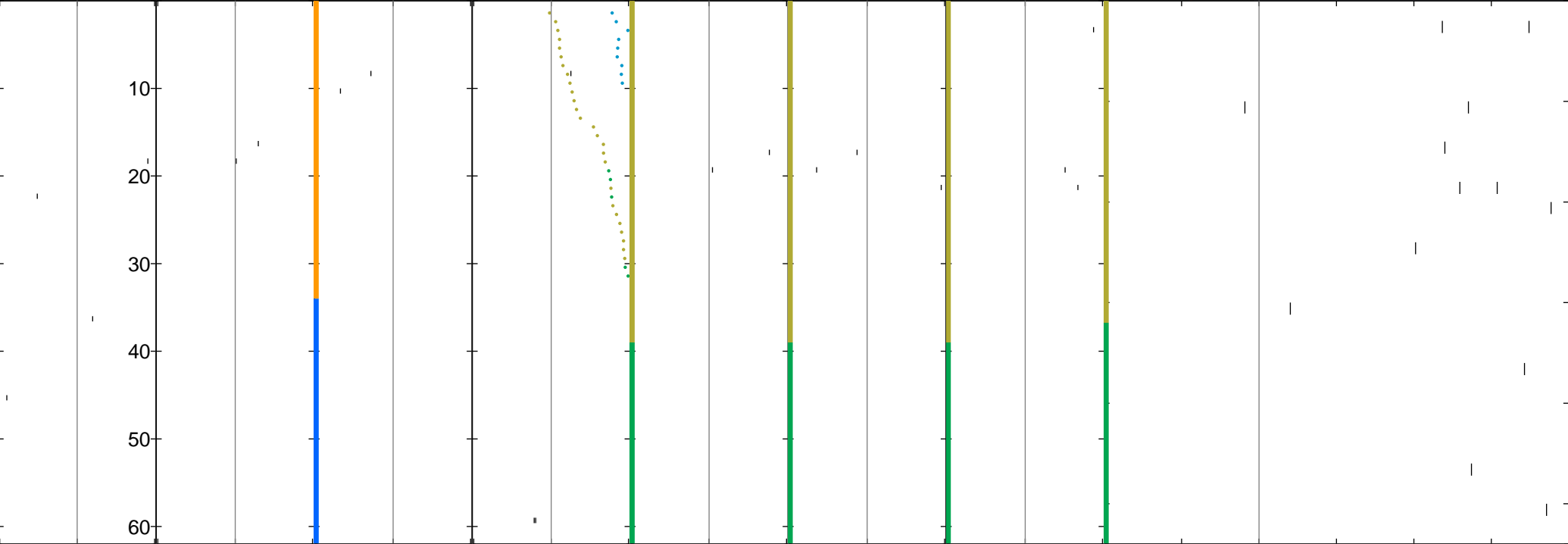
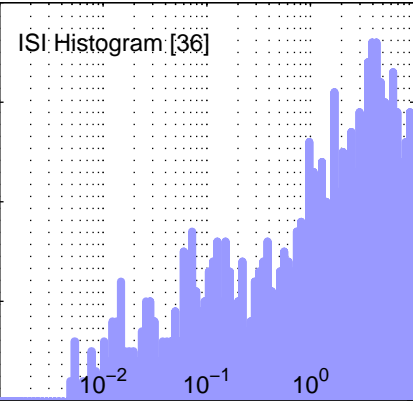
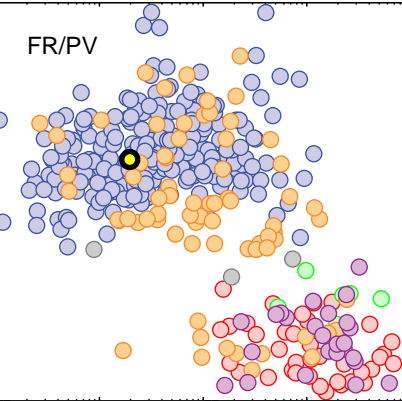
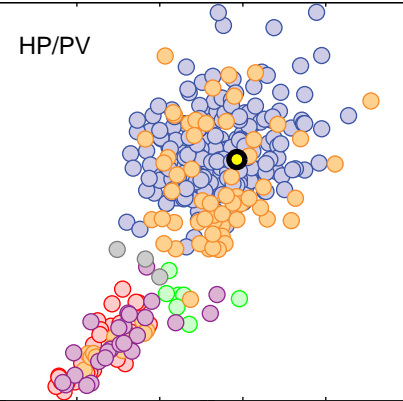
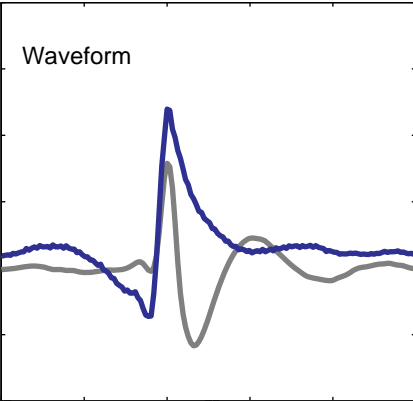
MSN



Cell: C0420070314T04a

AP: 2.5 ML: 1.8 DV: 5.8
w: 4 n: 1450 $P_{ISI>2}$: 0.95
1/2pw: 293 μ s p->v: 858 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.195 Hz
Pk Ev: None
Pk FR: --

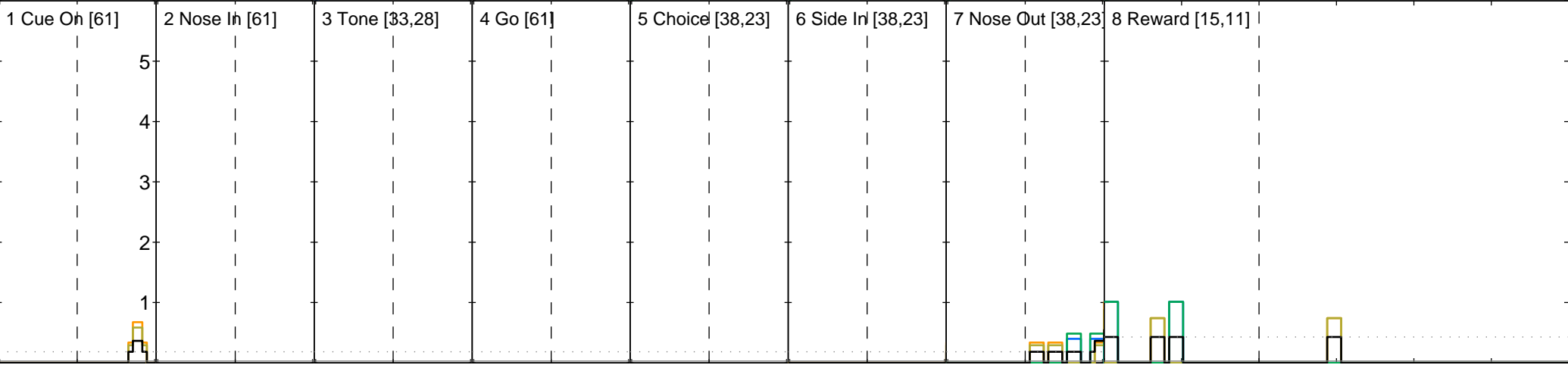
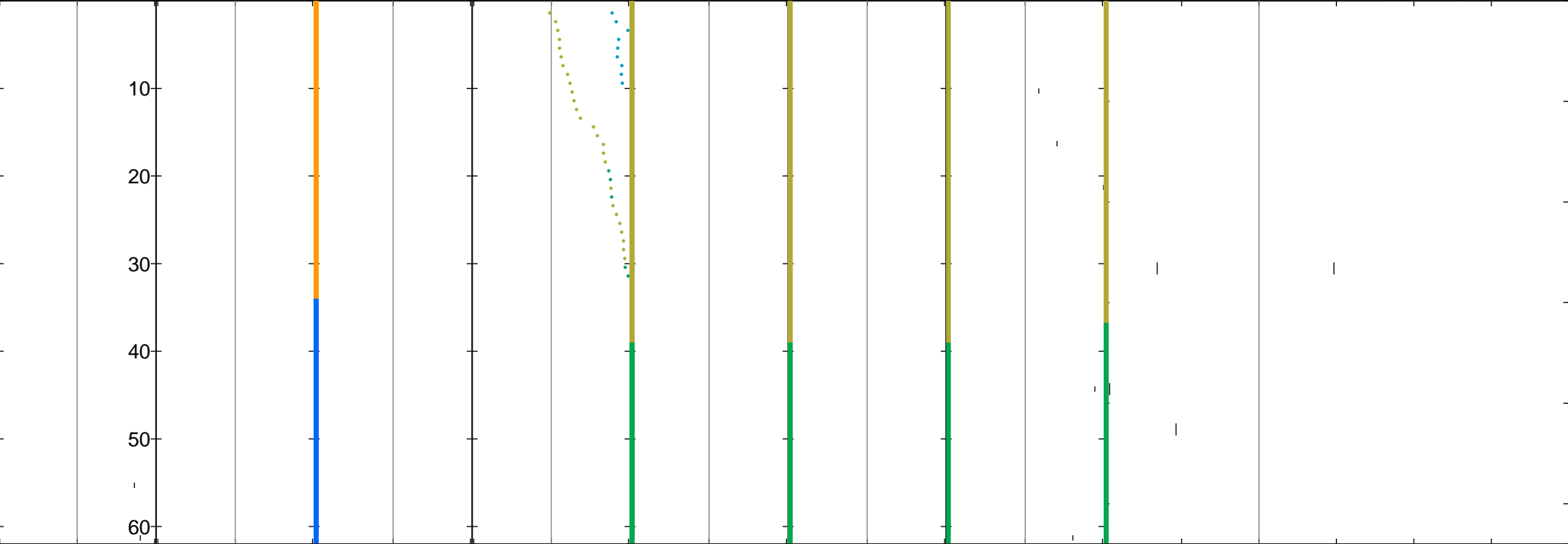
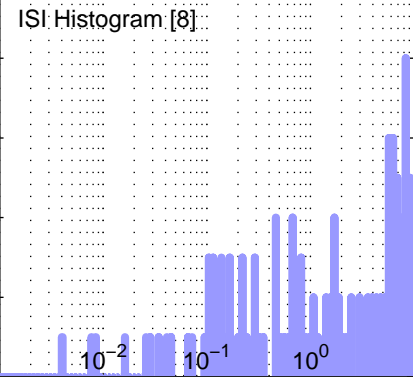
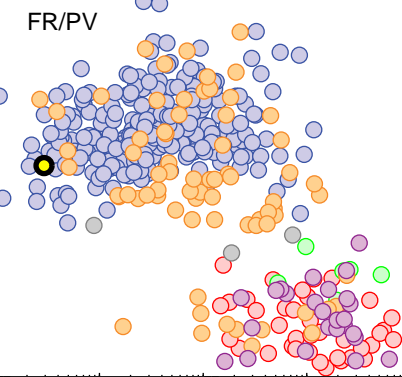
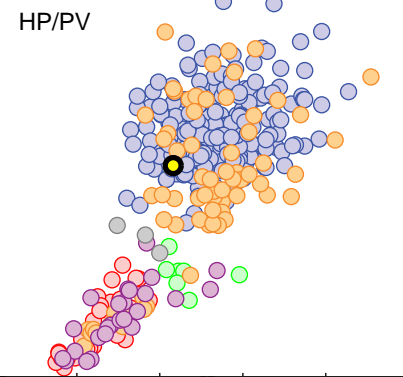
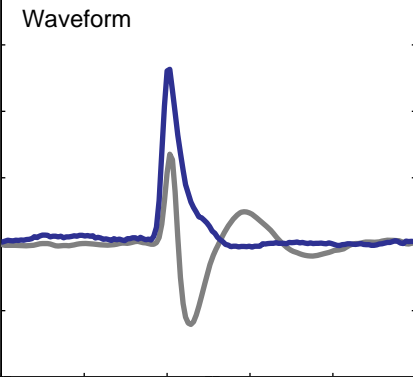
MSN



Cell: C0420070314T05c

AP: 2.5 ML: 1.3 DV: 6.7
w: 4 n: 210 $P_{ISI>2}$: 0.99
1/2pw: 216 μ s p->v: 763 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0293 Hz
Pk Ev: None
Pk FR: --

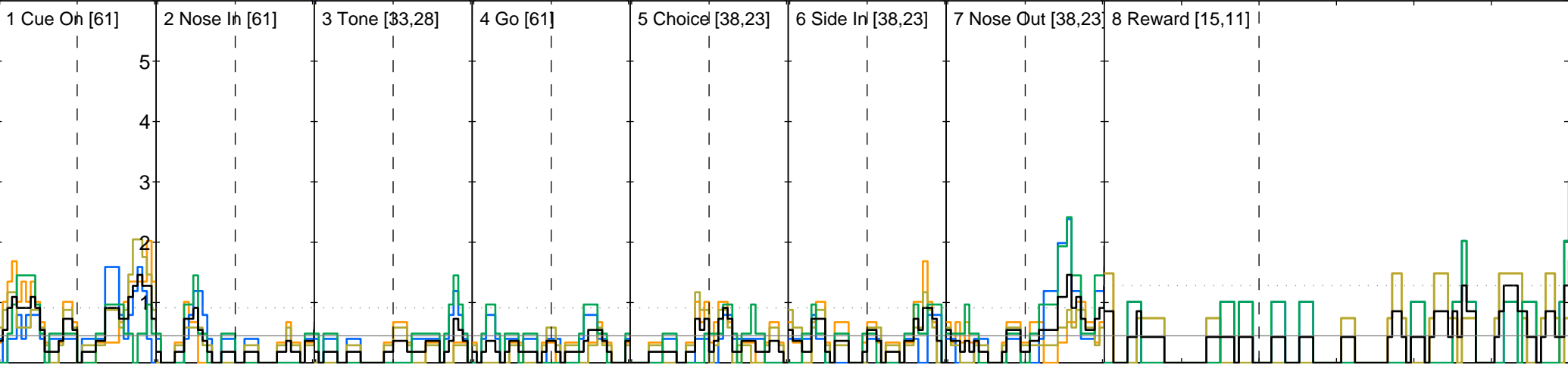
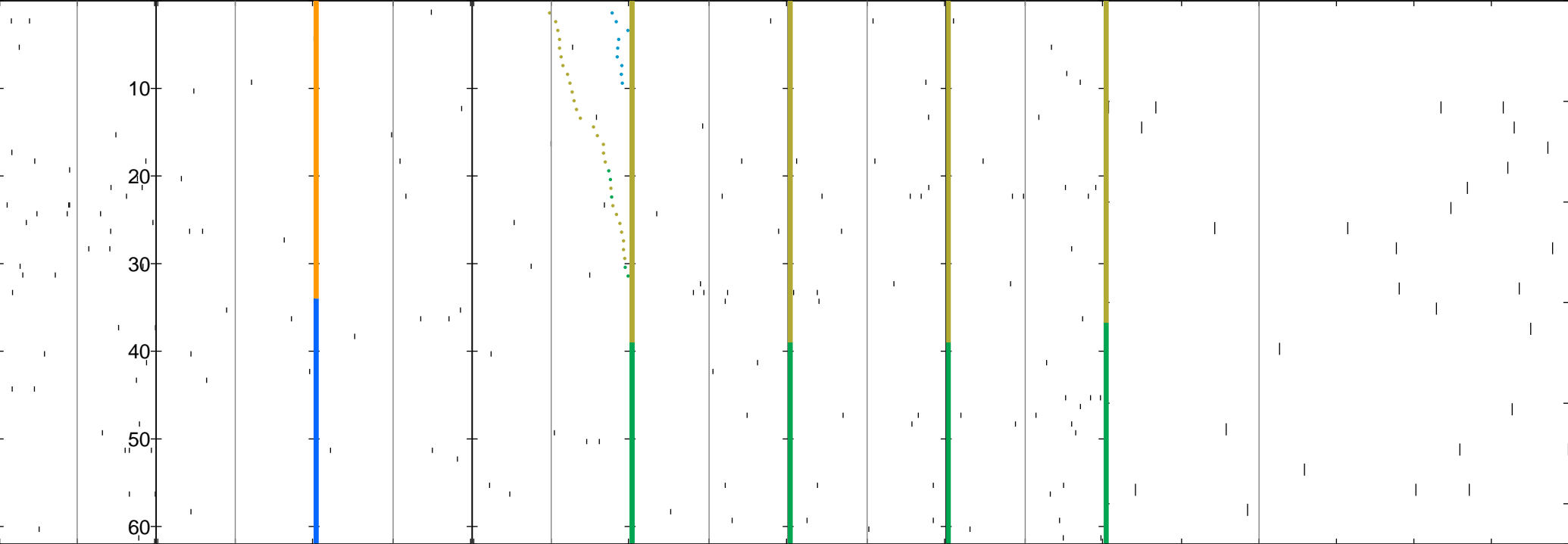
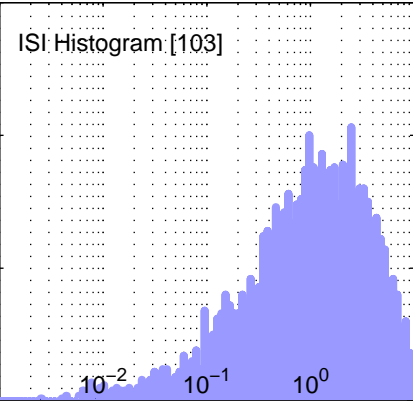
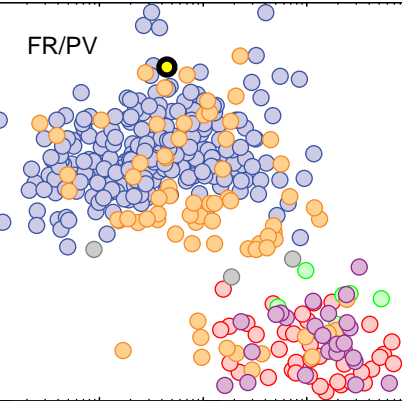
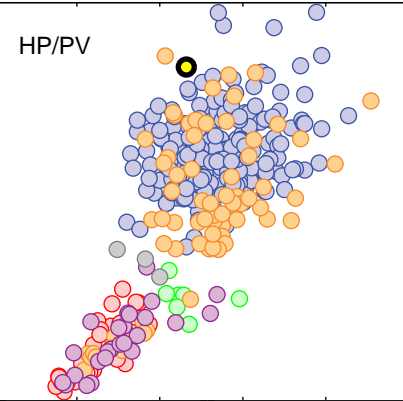
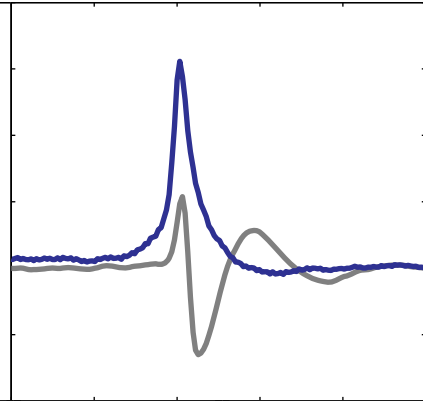
MSN



Cell: C0420070314T05e

AP: 2.5 ML: 1.3 DV: 6.7
w: 4 n: 3326 $P_{ISI>2}$: 0.79
1/2pw: 232 μ s p->v: 1148 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.448 Hz
Pk Ev: None
Pk FR: --

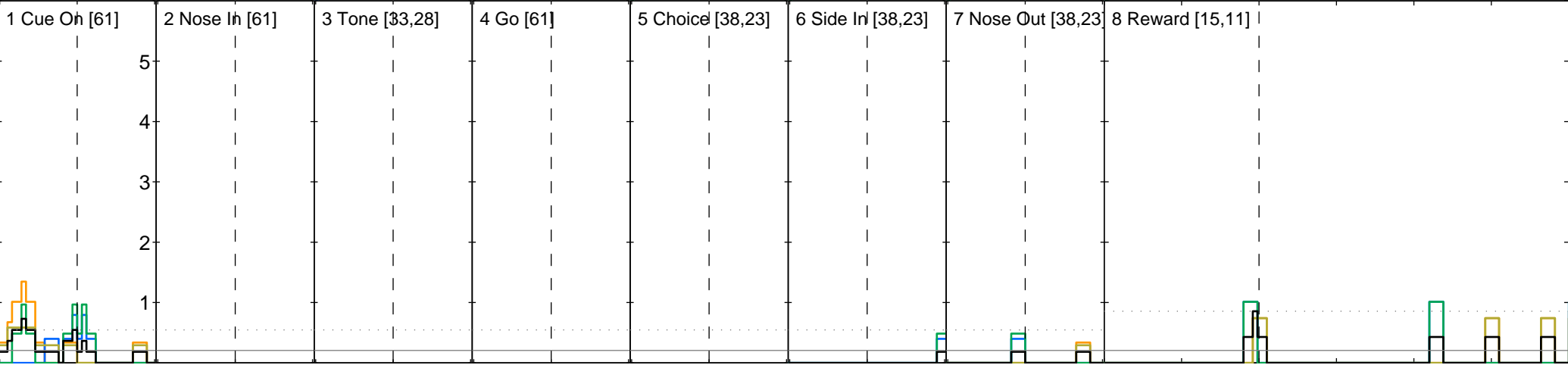
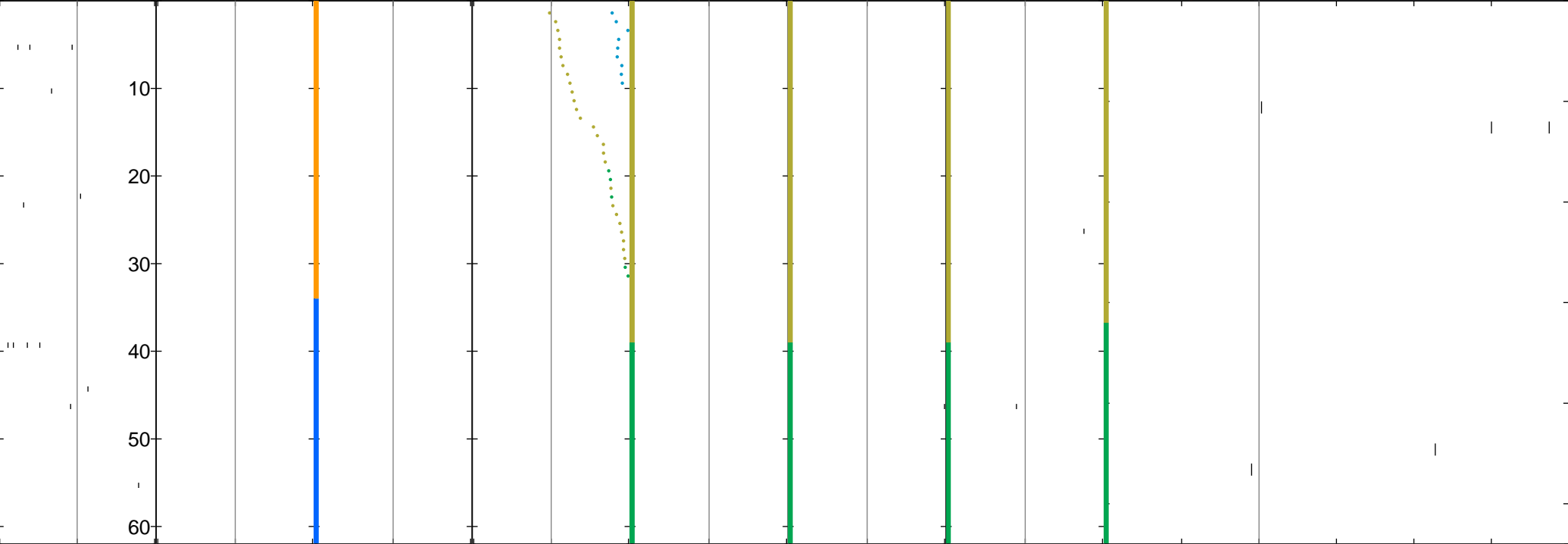
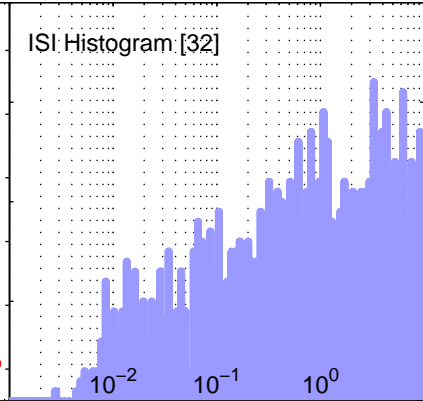
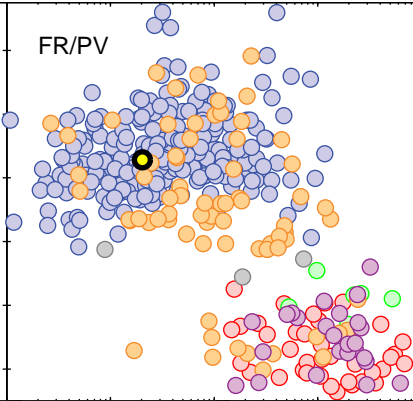
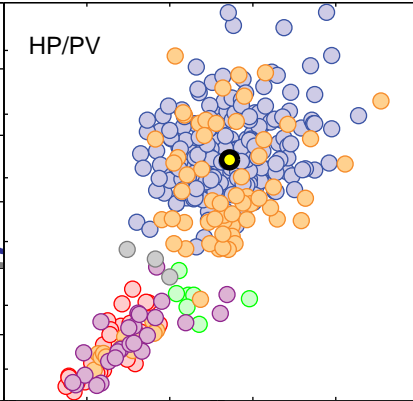
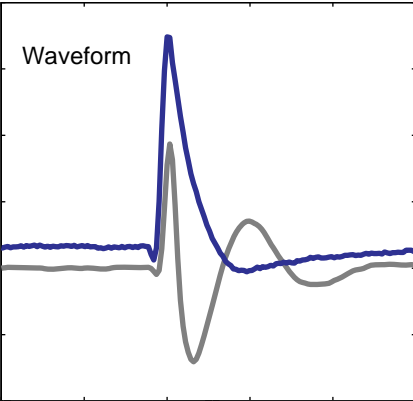
MSN



Cell: C0420070314T06a

AP: 2 ML: 1.8 DV: 5.5
w: 2 n: 1512 $P_{ISI>2}$: 0.94
1/2pw: 272 μ s p->v: 856 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.204 Hz
Pk Ev: None
Pk FR: --

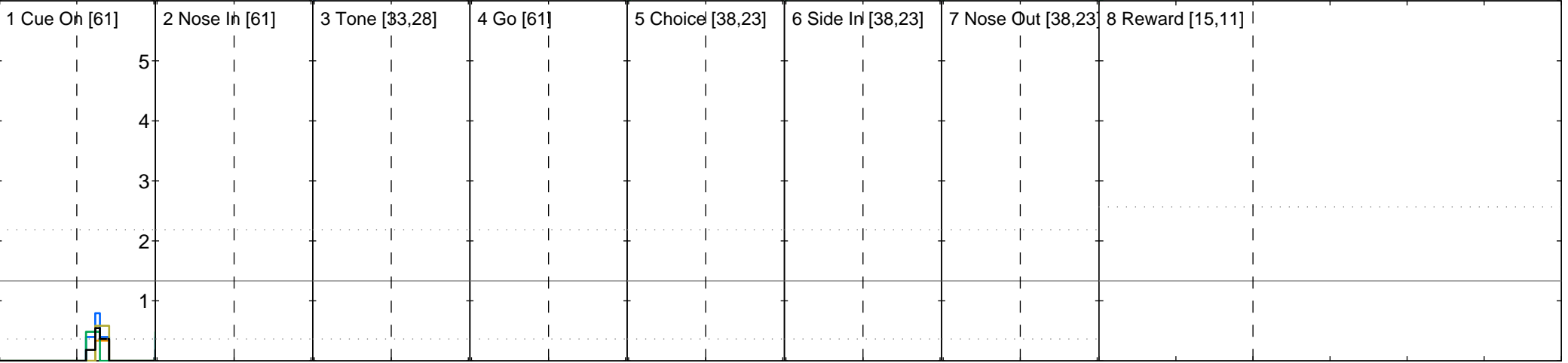
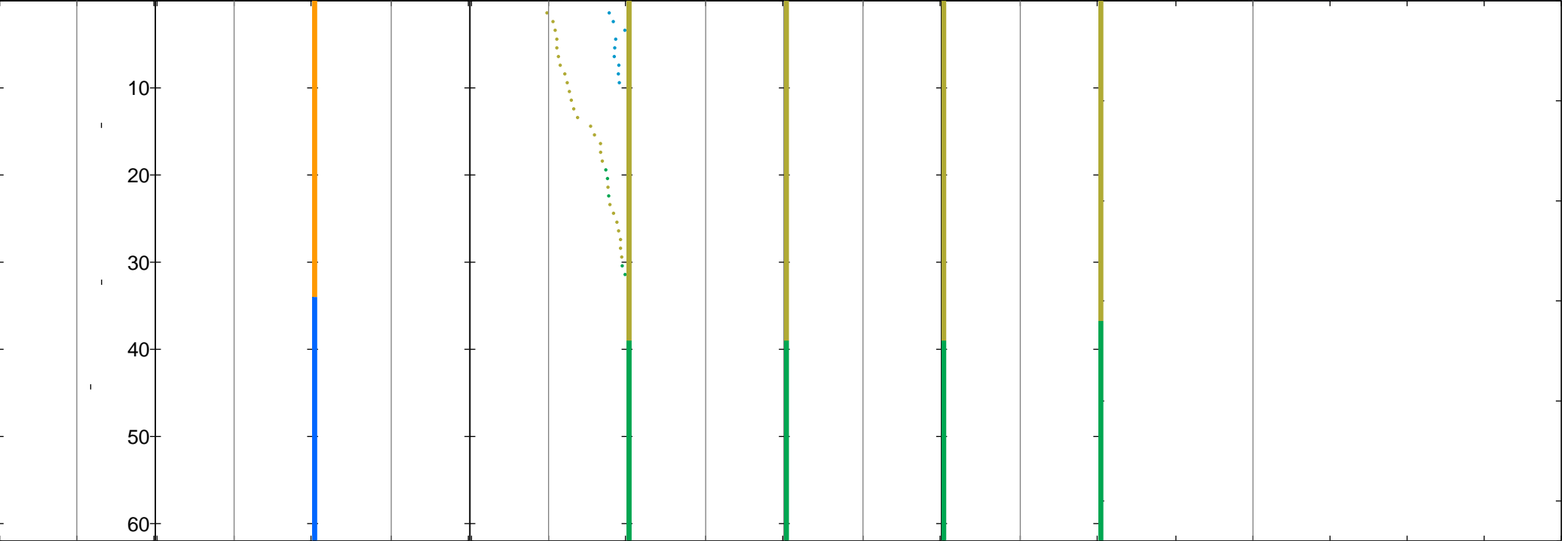
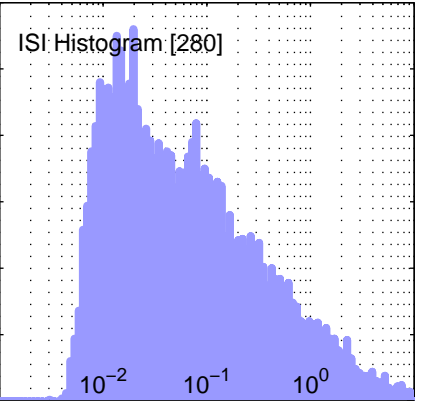
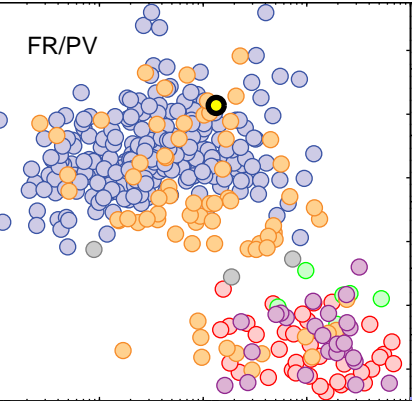
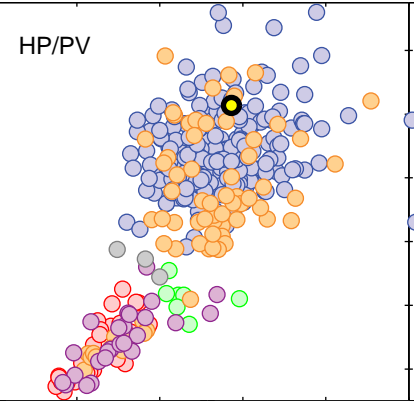
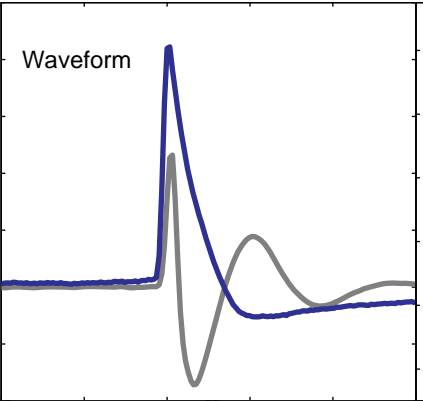
MSN



Cell: C0420070314T06c

AP: 2 ML: 1.8 DV: 5.5
w: 4 n: 9641 $P_{ISI>2}$: 0.78
1/2pw: 286 μ s p->v: 1027 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 1.33 Hz
Pk Ev: None
Pk FR: --

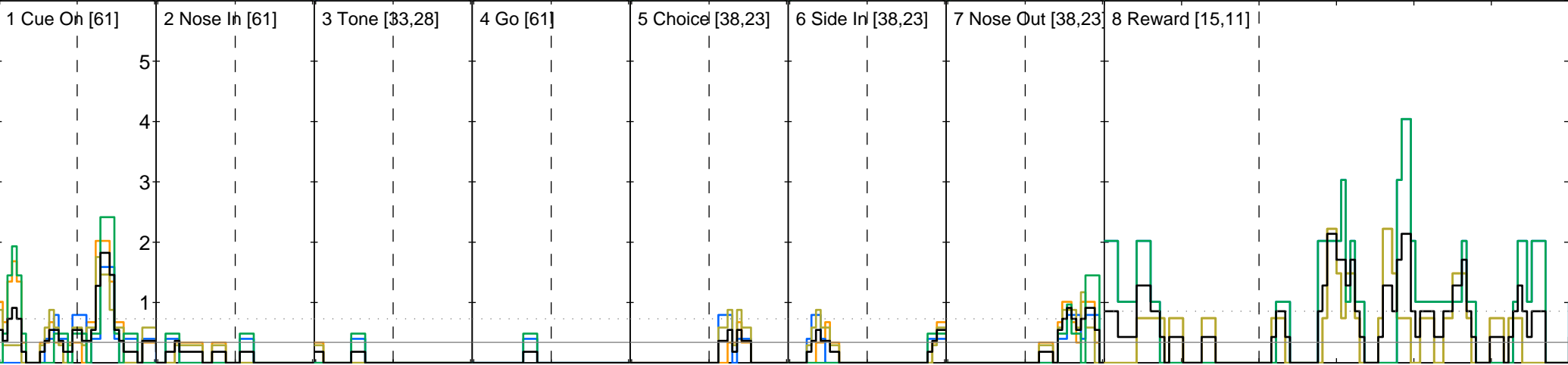
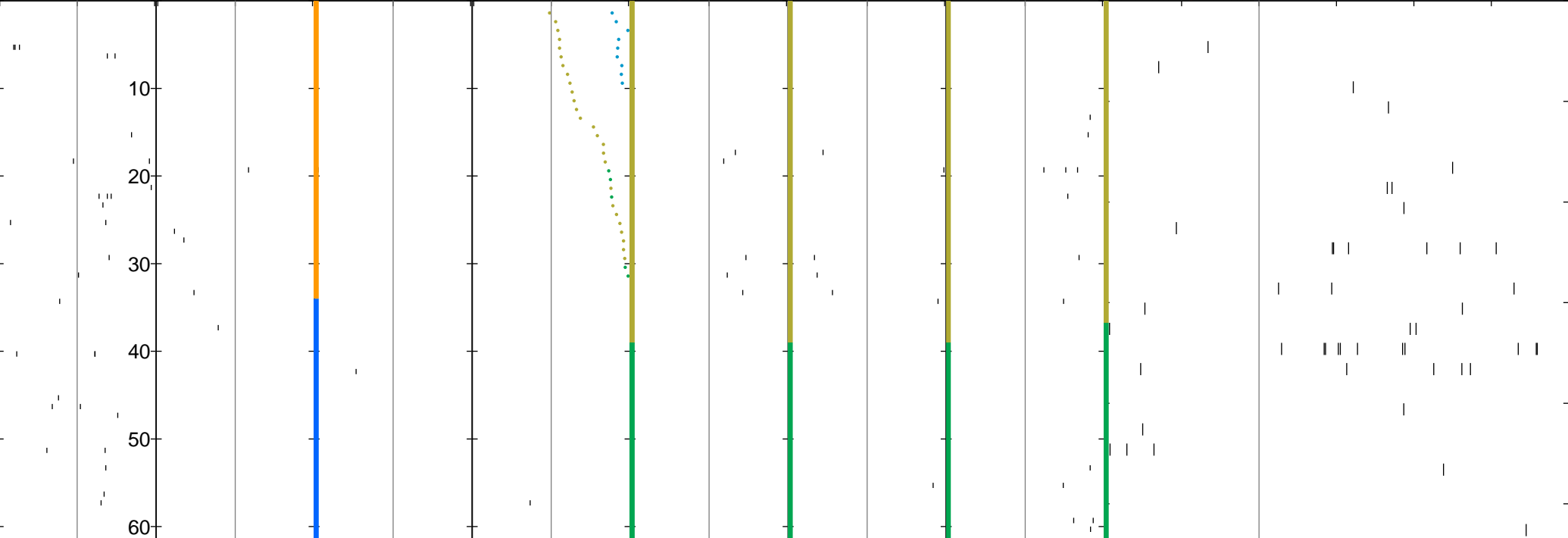
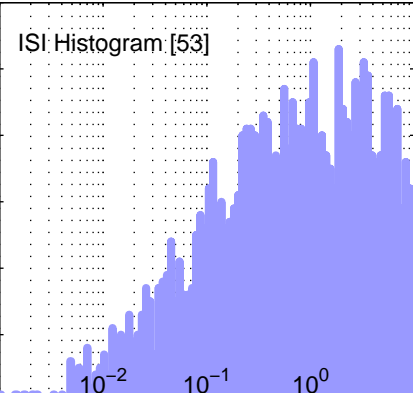
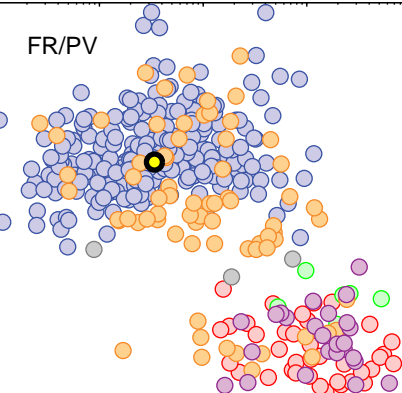
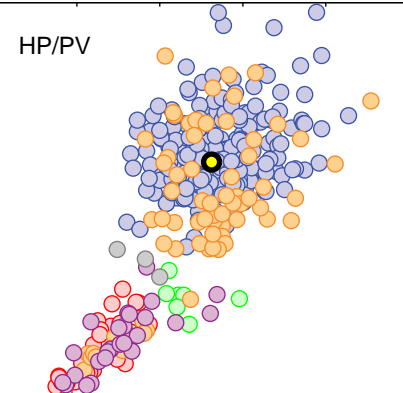
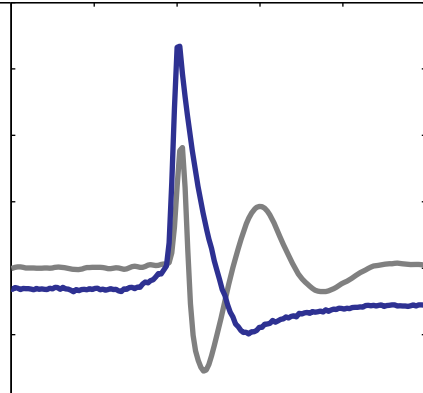
MSN



Cell: C0420070314T06d

AP: 2 ML: 1.8 DV: 5.5
w: 3 n: 2507 $P_{ISI>2}$: 0.89
1/2pw: 262 μ s p->v: 850 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.338 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0520070402T06a

AP: 1.9 ML: 1.5 DV: 7.8

w: 4 n: 3373 $P_{ISI>2}$: 0.75

1/2pw: 286 μ s p \rightarrow v: 896 μ s

β_T : 2.6 β_D : 2.3

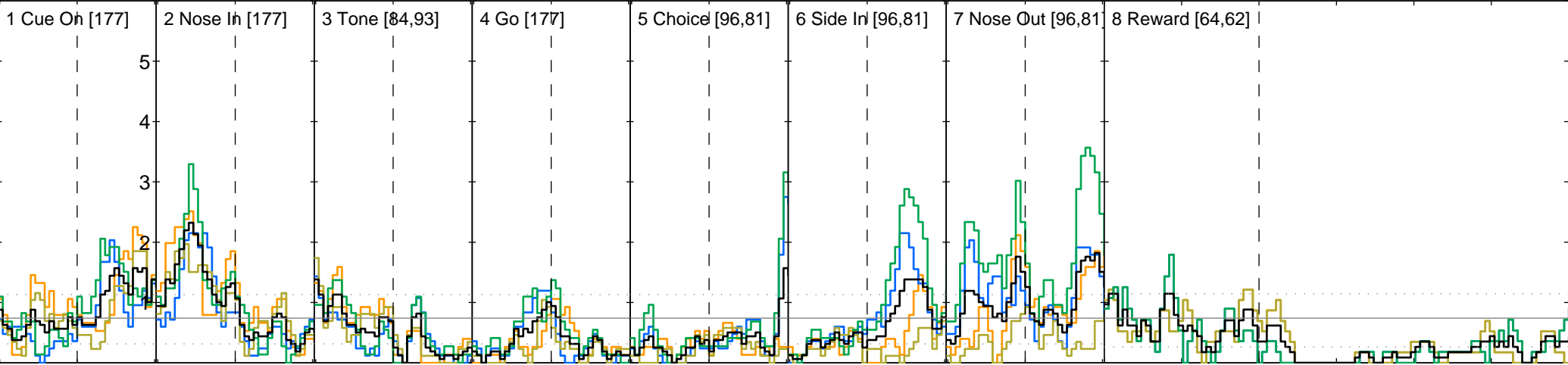
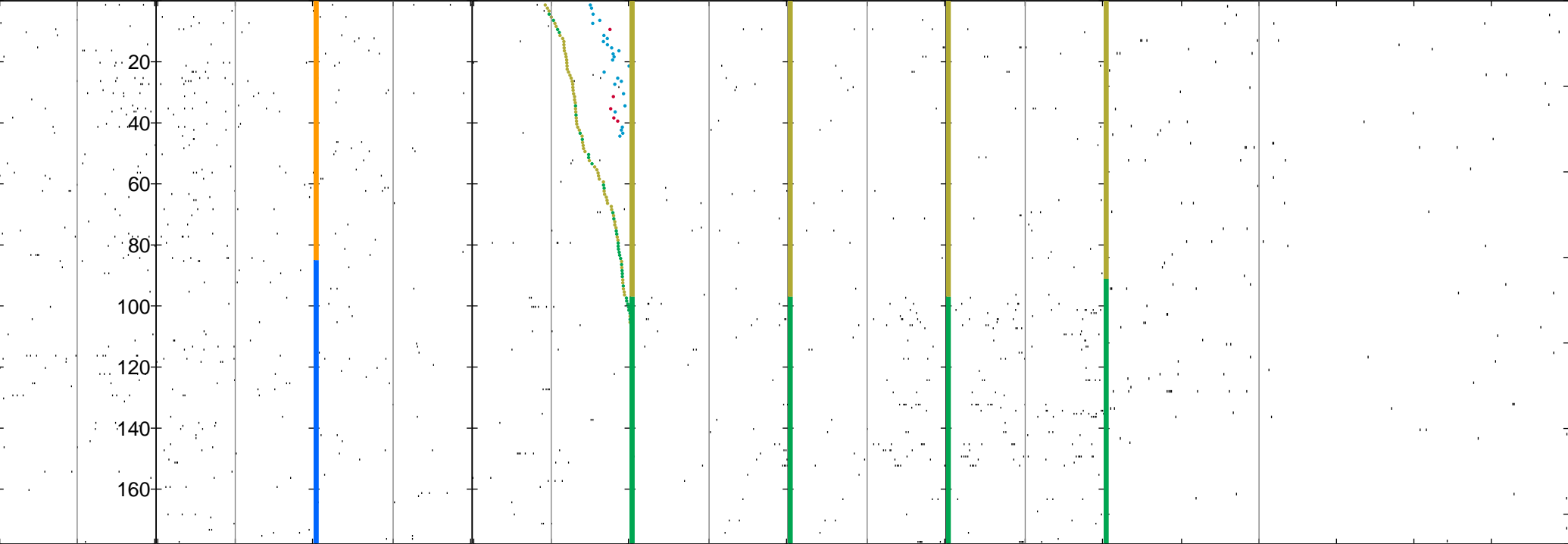
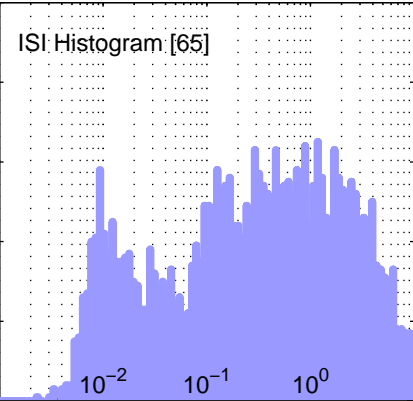
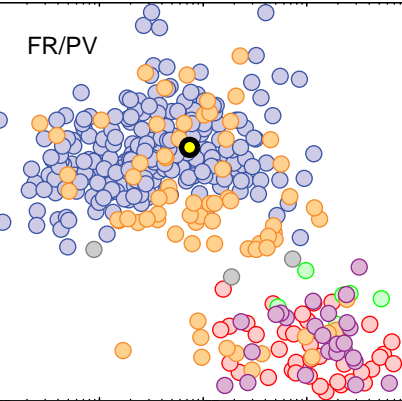
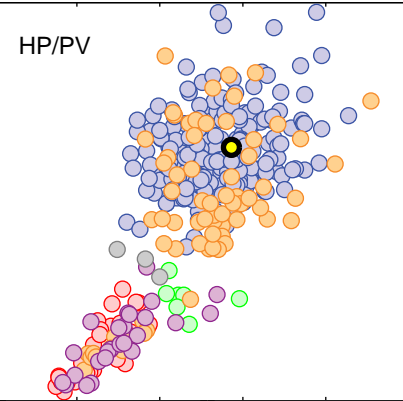
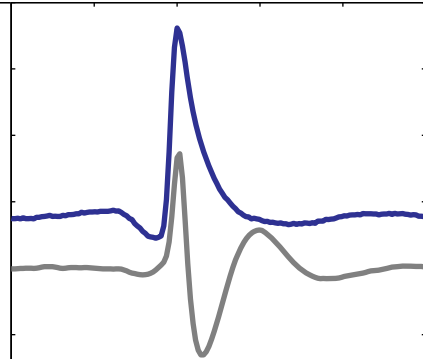
β_P : -3.8 SI: NaN

Session FR: 0.741 Hz

Pk Ev: None

Pk FR: --

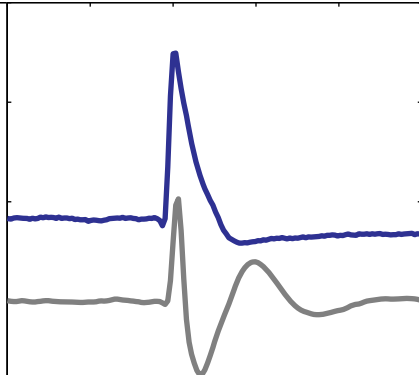
MSN



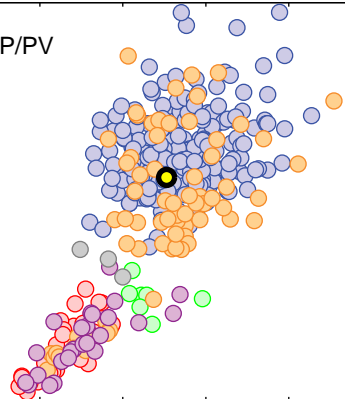
Cell: C0520070405R02a

AP: 0.24 ML: 4 DV: 6.5
w: 1 n: 3180 $P_{ISI>2}$: 0.85
1/2pw: 253 μ s p->v: 802 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.723 Hz
Pk Ev: None
Pk FR: --

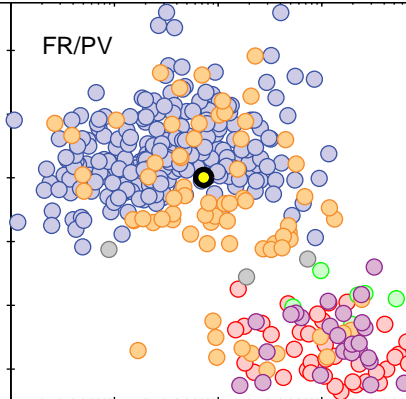
MSN



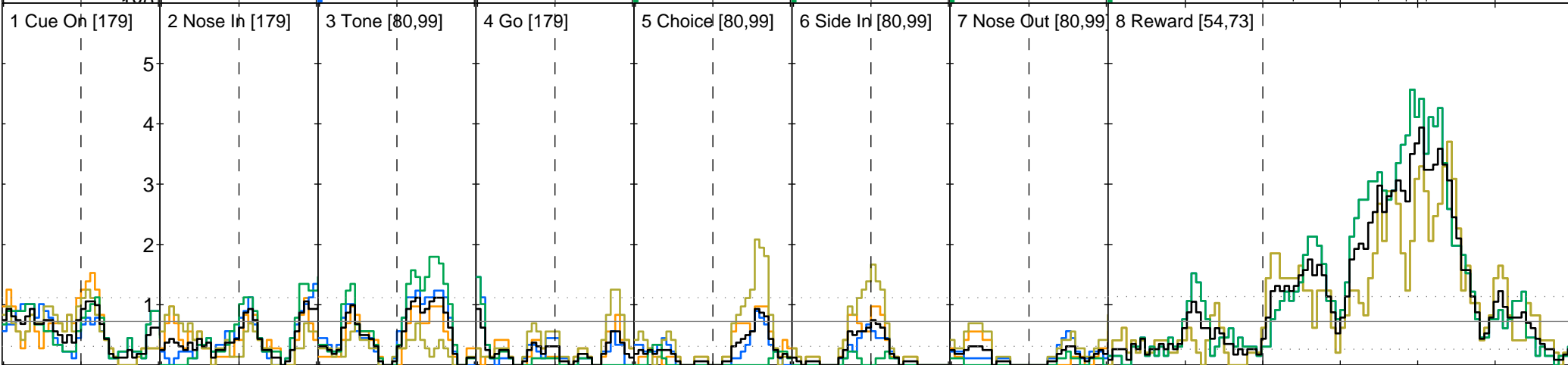
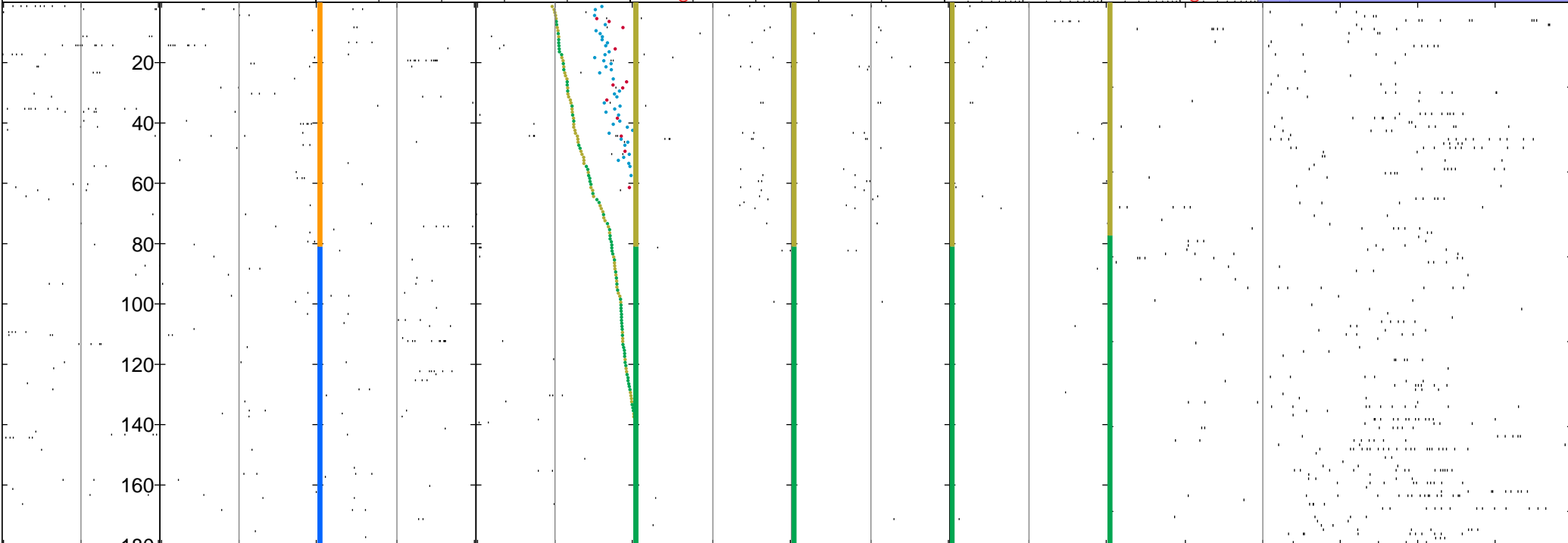
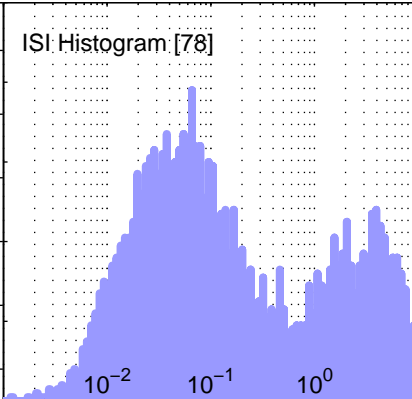
HP/PV



FR/PV



ISI Histogram [78]



Cell: C0520070405R02b

AP: 0.24 ML: 4 DV: 6.5

w: 1 n: 185 $P_{ISI>2}$: 11/2pw: 176 μ s p->v: 638 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

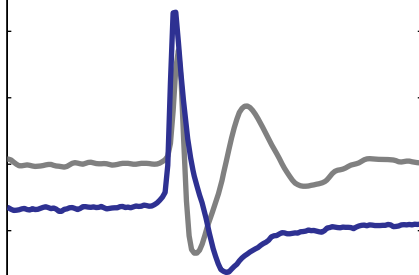
Session FR: 0.0426 Hz

Pk Ev: None

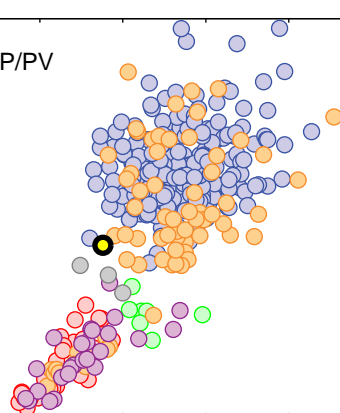
Pk FR: --

MSN

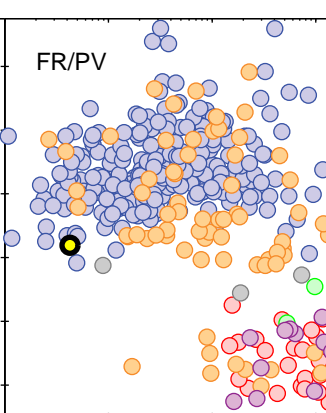
Waveform



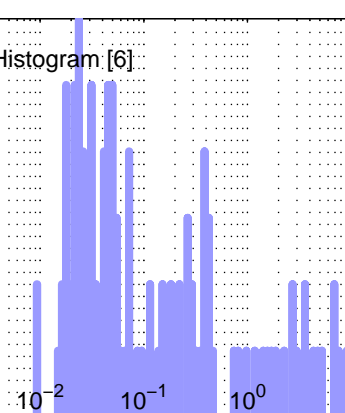
HP/PV



FR/PV



ISI Histogram [6]



20

40

60

80

100

120

140

160

180

1 Cue On [179]

2 Nose In [179]

3 Tone [80,99]

4 Go [179]

5 Choice [80,99]

6 Side In [80,99]

7 Nose Out [80,99]

8 Reward [54,73]

5

4

3

2

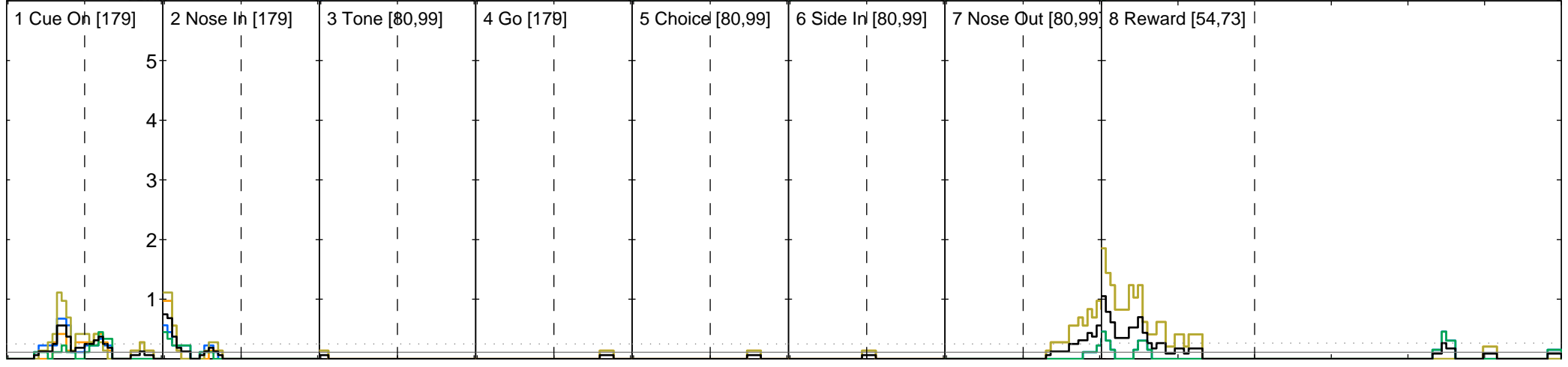
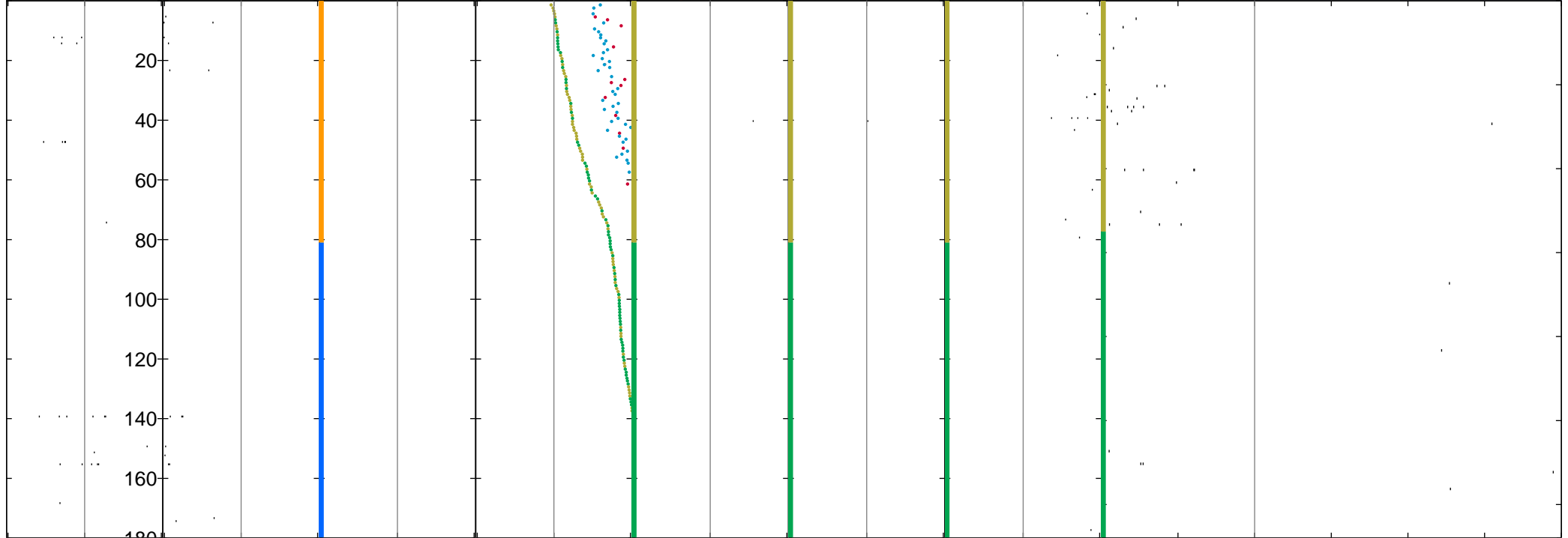
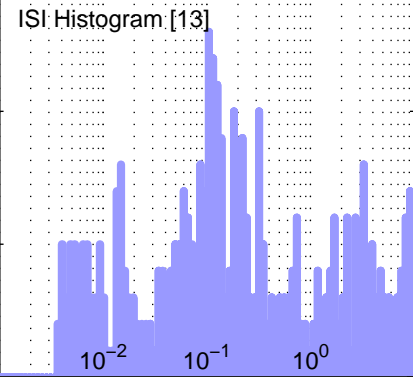
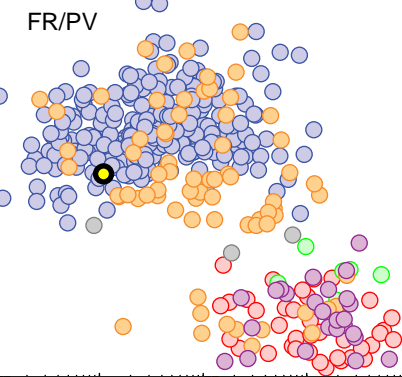
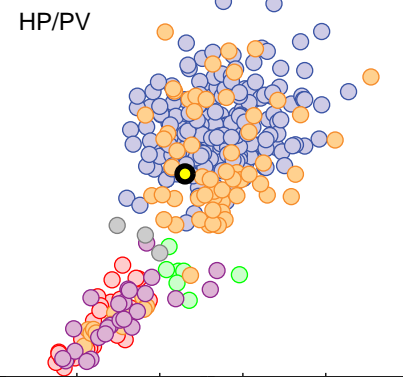
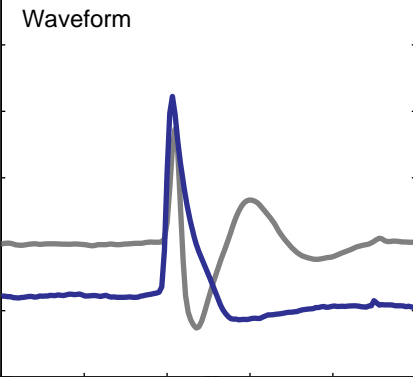
1



Cell: C0520070405T04a

AP: 3 ML: 1.5 DV: 6.8
w: 2 n: 479 $P_{ISI>2}$: 0.98
1/2pw: 230 μ s p->v: 738 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.11 Hz
Pk Ev: None
Pk FR: --

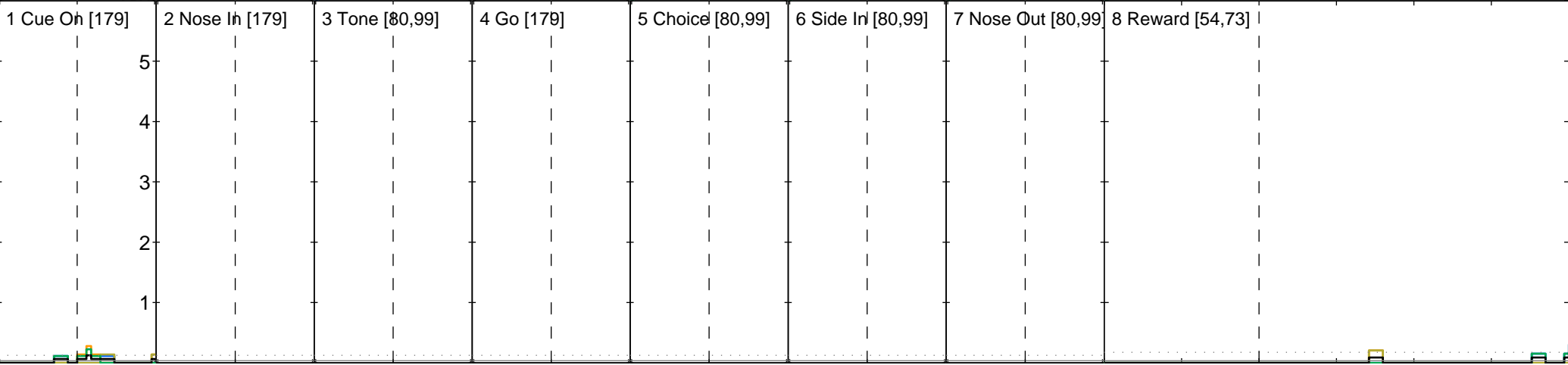
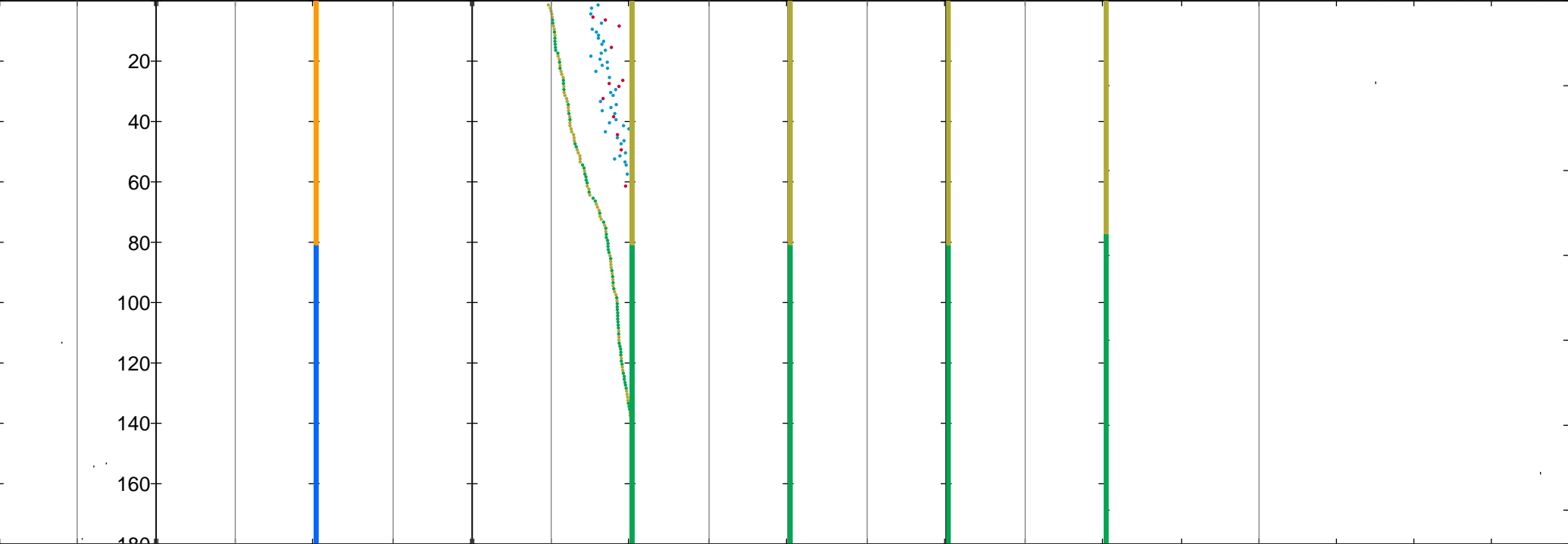
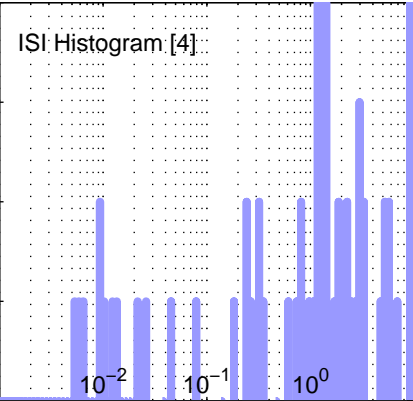
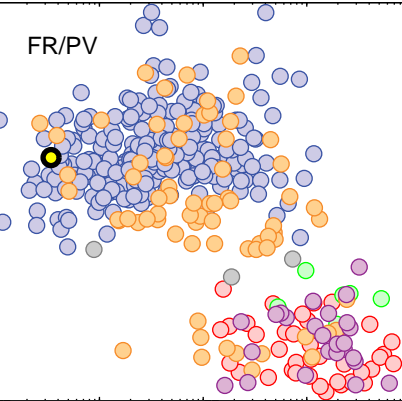
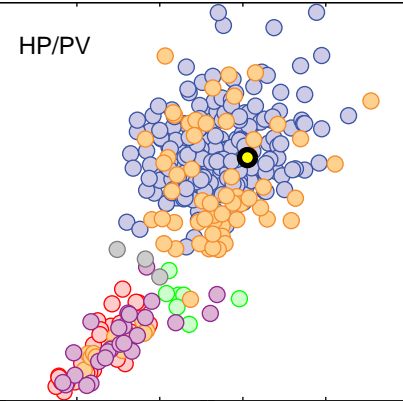
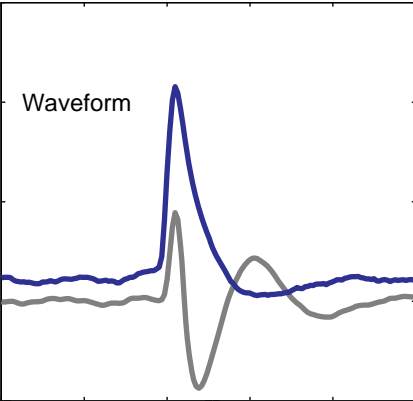
MSN



Cell: C0520070405T04b

AP: 3 ML: 1.5 DV: 6.8
w: 4 n: 103 $P_{ISI>2}$: 0.99
1/2pw: 306 μ s p->v: 864 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0341 Hz
Pk Ev: None
Pk FR: --

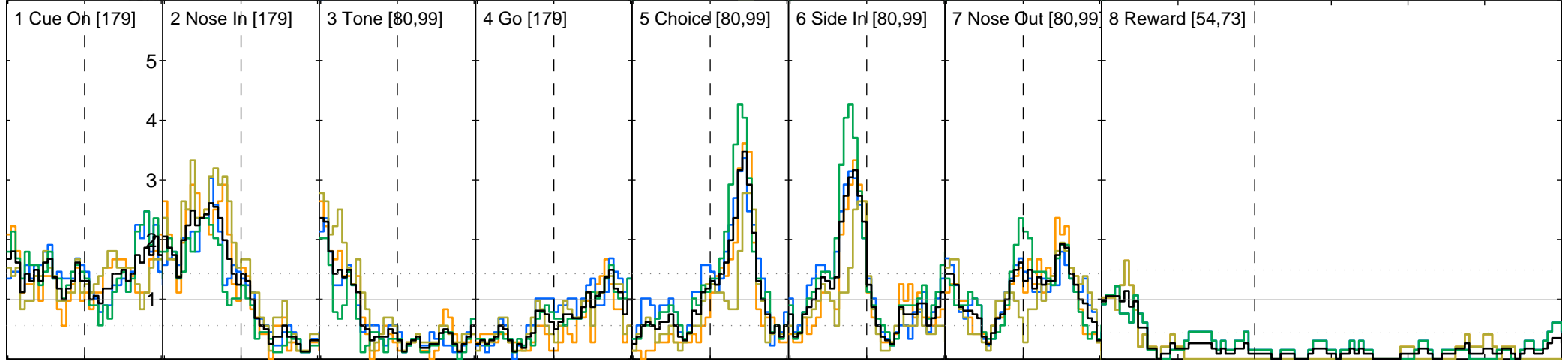
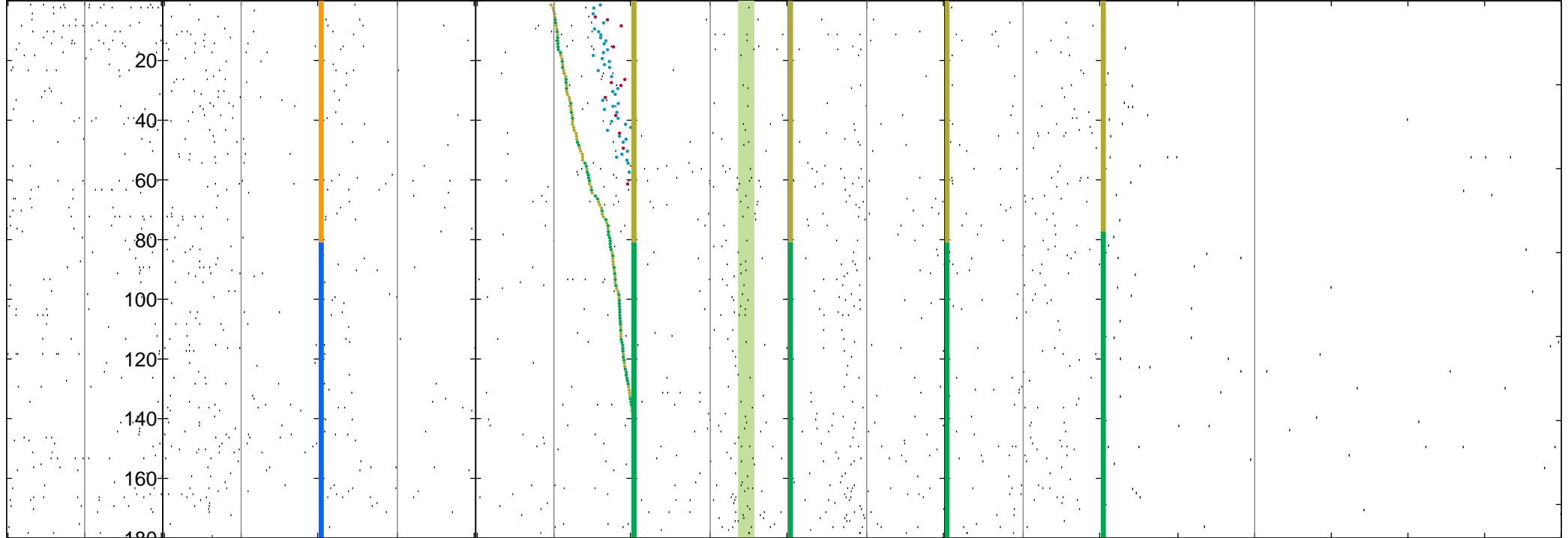
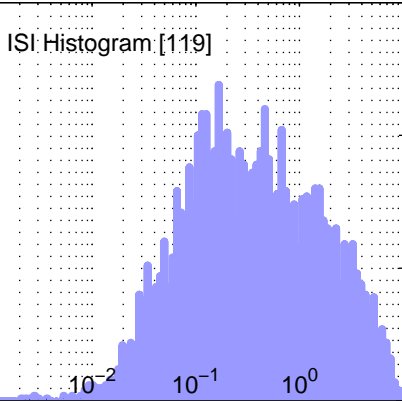
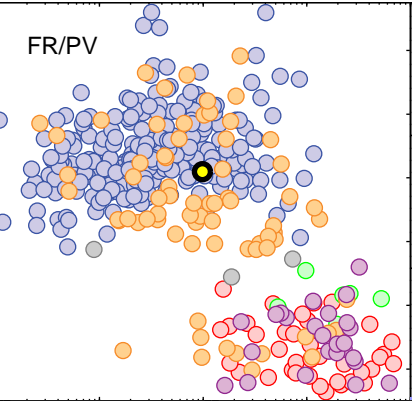
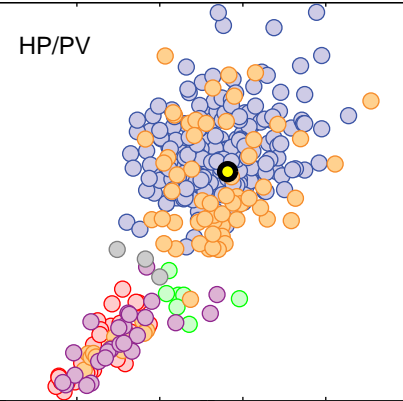
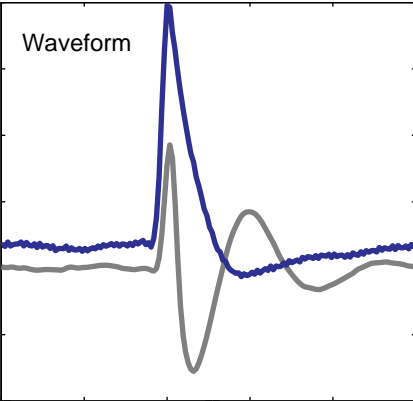
MSN



Cell: C0520070405T05a

AP: 2.2 ML: 1.2 DV: 7.5
w: 2 n: 4365 $P_{ISI>2}$: 0.62
1/2pw: 282 μ s p \rightarrow v: 819 μ s
 β_T : 2.6 β_D : 4.2
 β_P : -3 SI: NaN
Session FR: 0.99 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0520070405T05b

AP: 2.2 ML: 1.2 DV: 7.5

w: 3 n: 920 $P_{ISI>2}$: 0.93

1/2pw: 211 μ s p->v: 829 μ s

β_T : NaN β_D : NaN

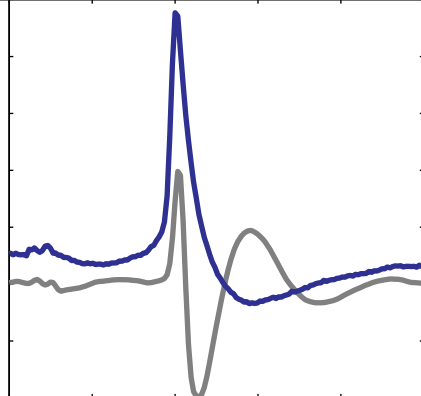
β_P : NaN SI: NaN

Session FR: 0.209 Hz

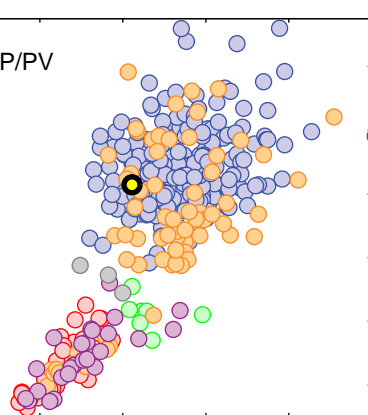
Pk Ev: None

Pk FR: --

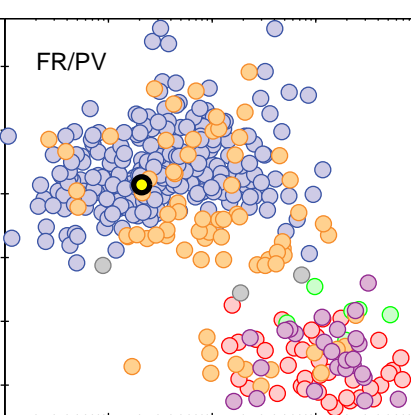
MSN



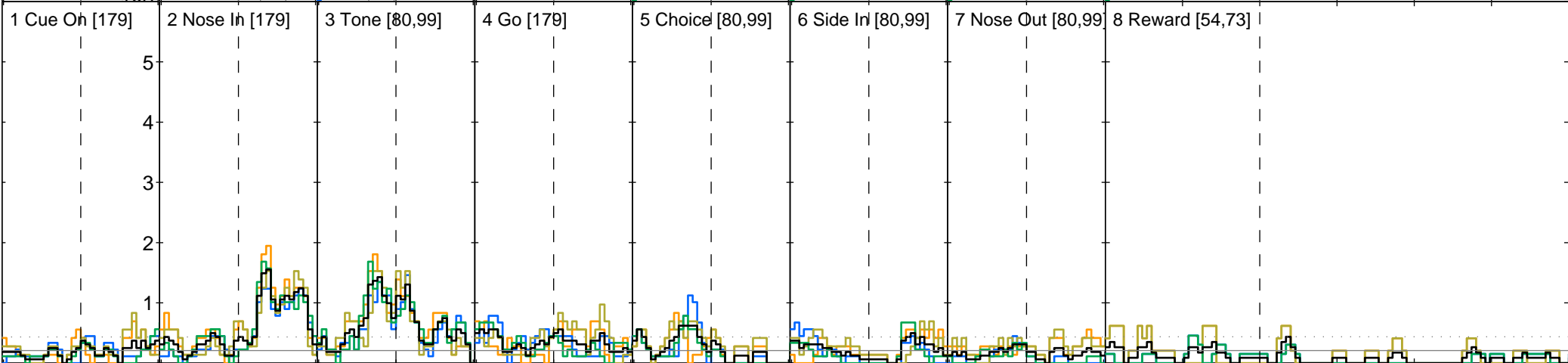
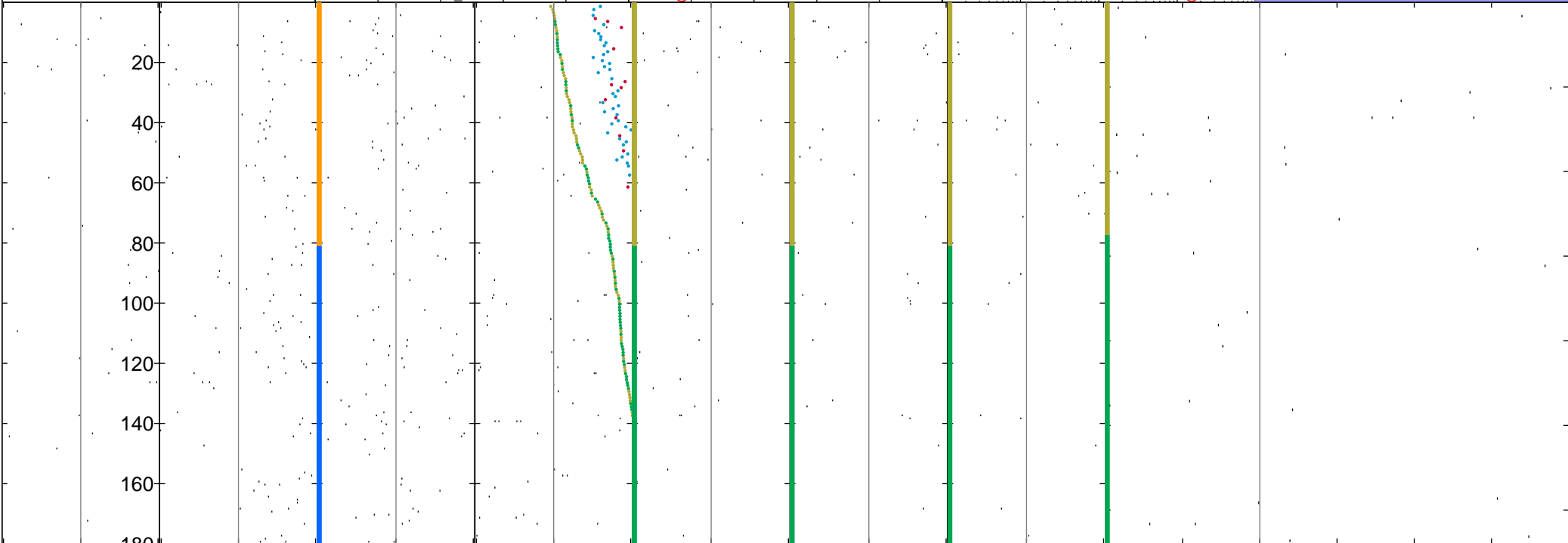
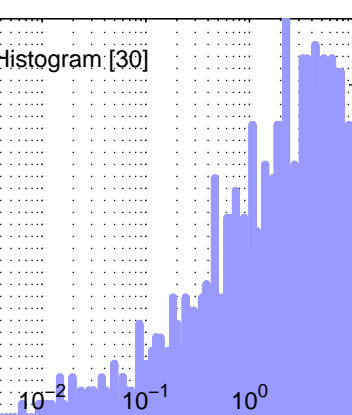
HP/PV



FR/PV



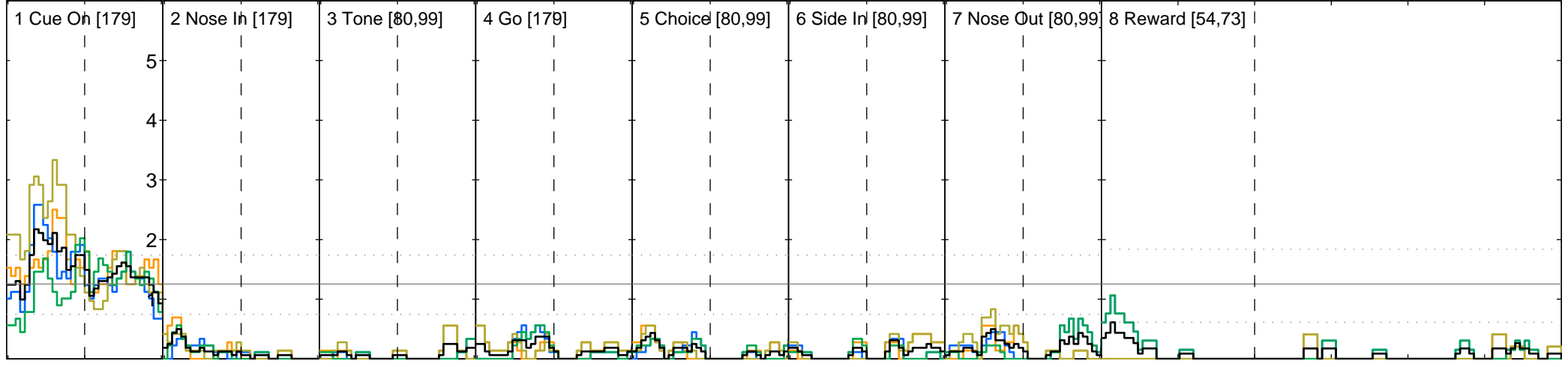
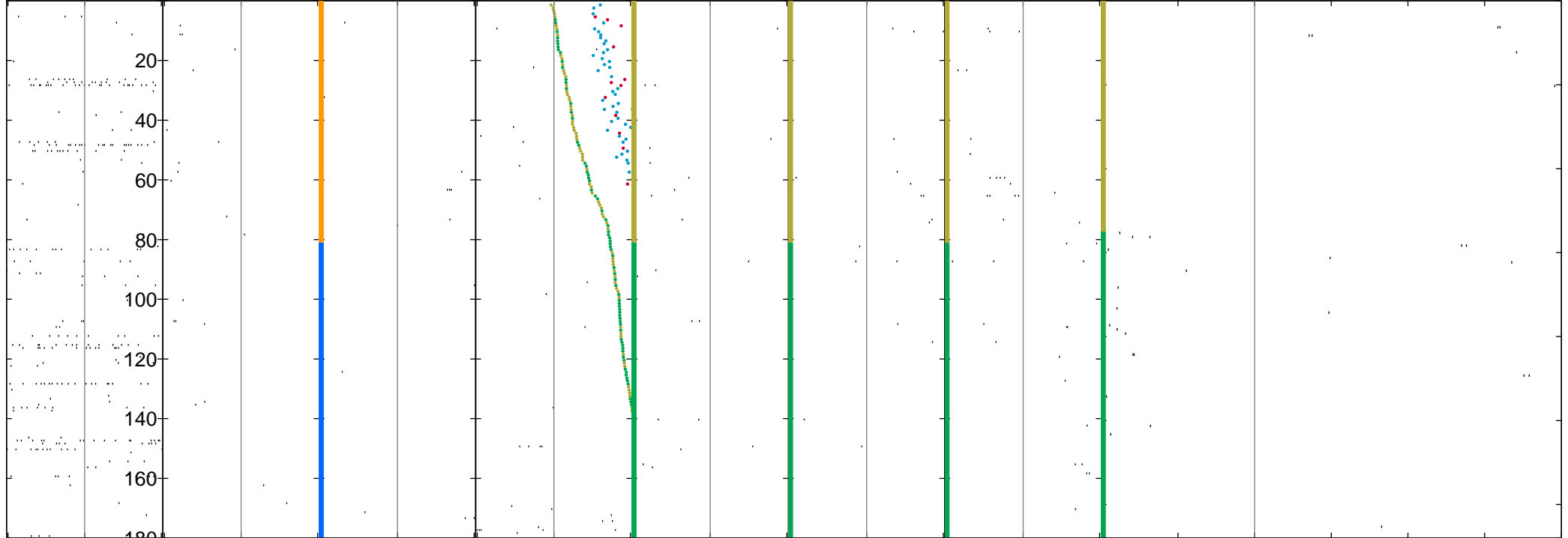
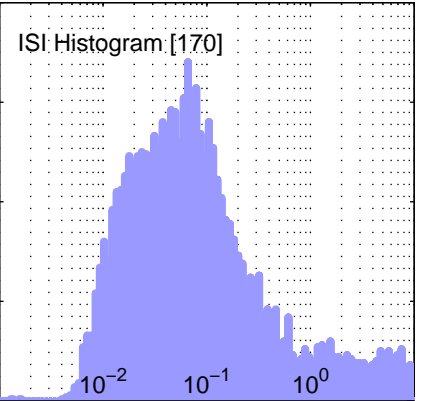
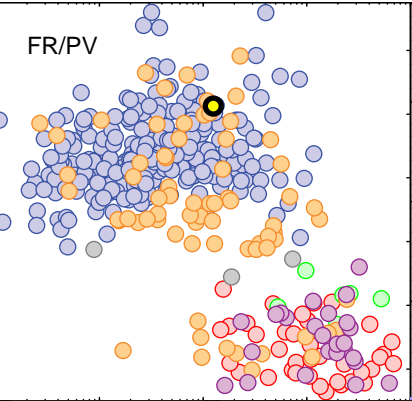
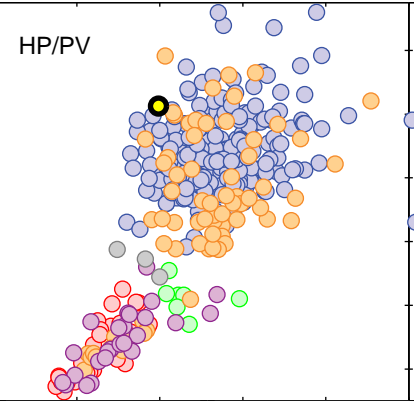
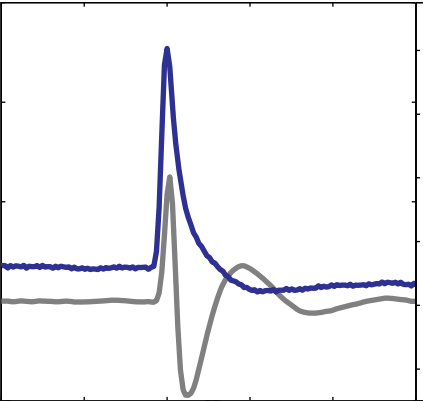
ISI Histogram [30]



Cell: C0520070405T05c

AP: 2.2 ML: 1.2 DV: 7.5
w: 4 n: 5502 $P_{ISI>2}$: 0.82
1/2pw: 198 μ s p->v: 1026 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 1.25 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0520070405T11a

AP: -0.48 ML: 4.6 DV: 4.4

w: 1 n: 810 $P_{ISI>2}$: 0.791/2pw: 234 μ s p->v: 872 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

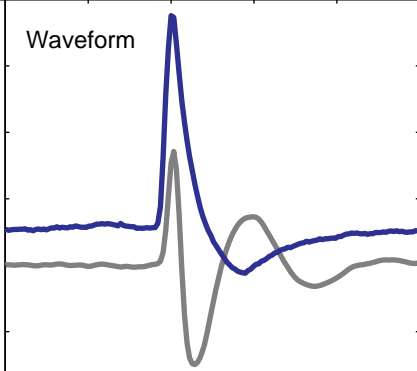
Session FR: 0.552 Hz

Pk Ev: None

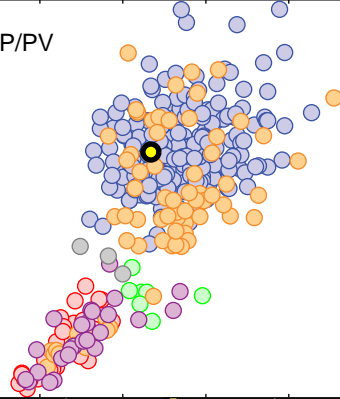
Pk FR: --

MSN

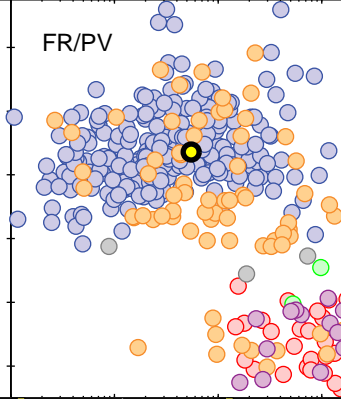
Waveform



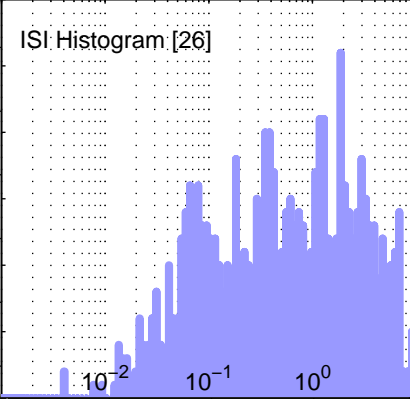
HP/PV



FR/PV



ISI Histogram [26]



10

20

30

40

50

60

1 Cue On [62]

2 Nose In [62]

3 Tone [29,33]

4 Go [62]

5 Choice [32,30]

6 Side In [32,30]

7 Nose Out [32,30]

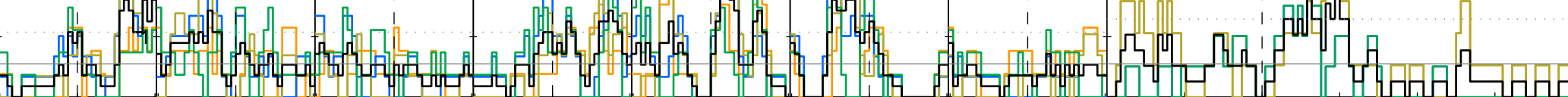
8 Reward [21,22]

5

4

3

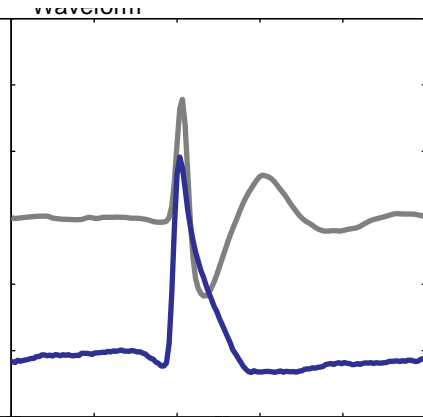
2



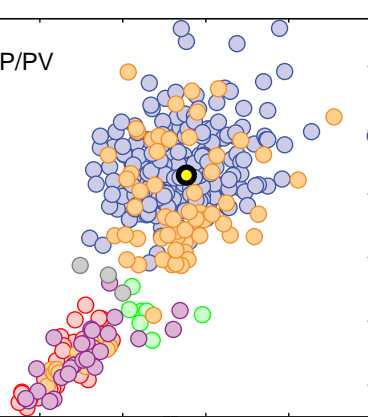
Cell: C0520070406T09b

AP: 0.72 ML: 2.4 DV: 4.7
w: 3 n: 1385 $P_{ISI>2}$: 0.93
1/2pw: 277 μ s p->v: 859 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.317 Hz
Pk Ev: None
Pk FR: --

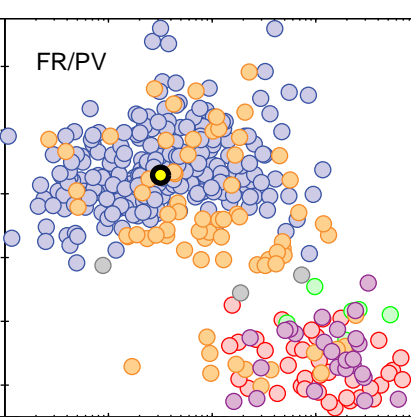
MSN



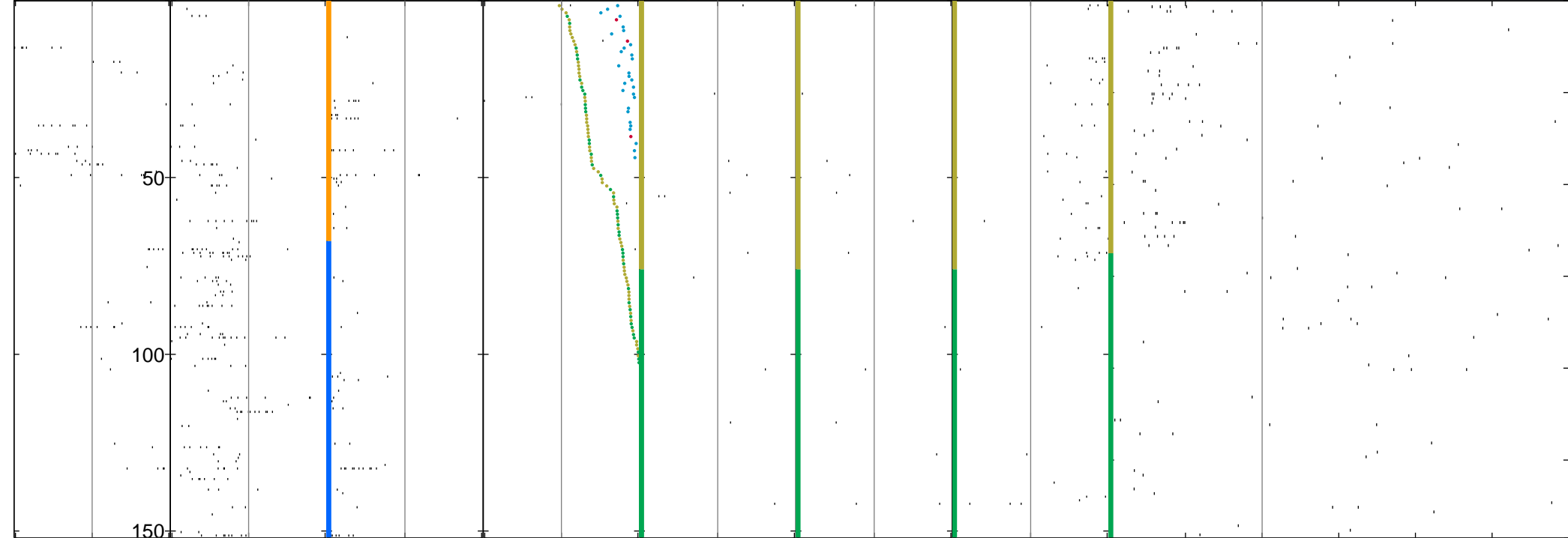
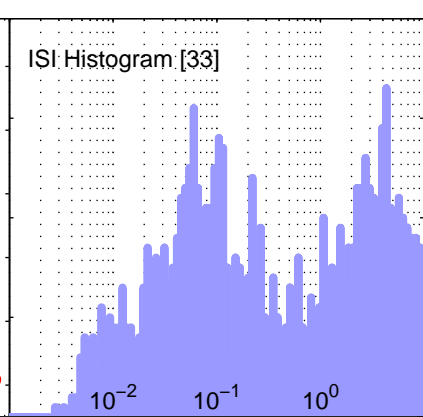
HP/PV



FR/PV



ISI Histogram [33]



1 Cue On [151]

2 Nose In [151]

3 Tone [67,84]

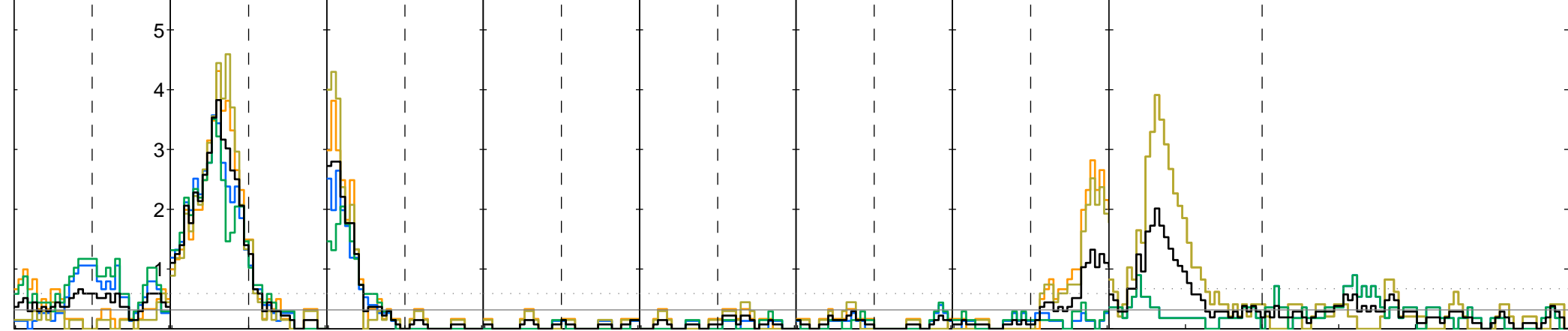
4 Go [151]

5 Choice [75,76]

6 Side In [75,76]

7 Nose Out [75,76]

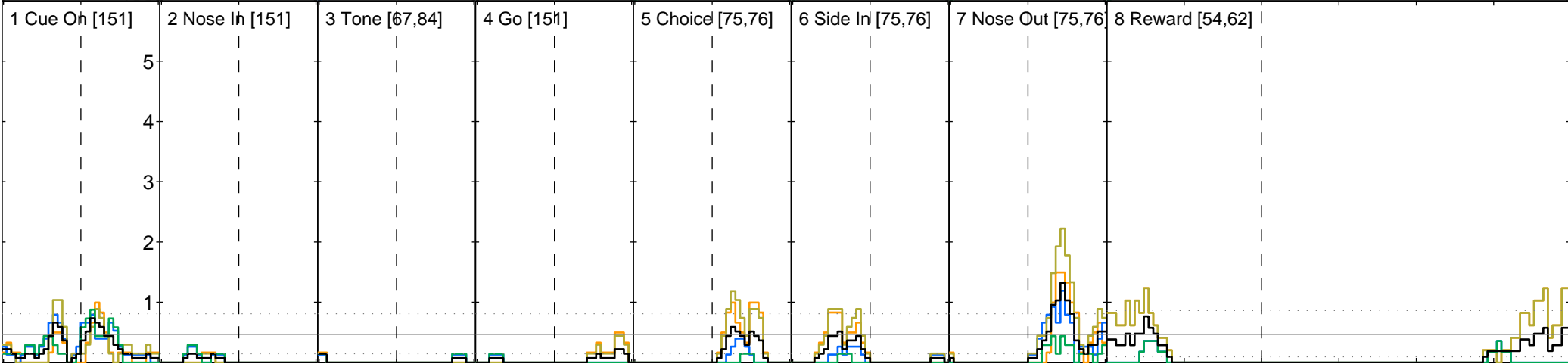
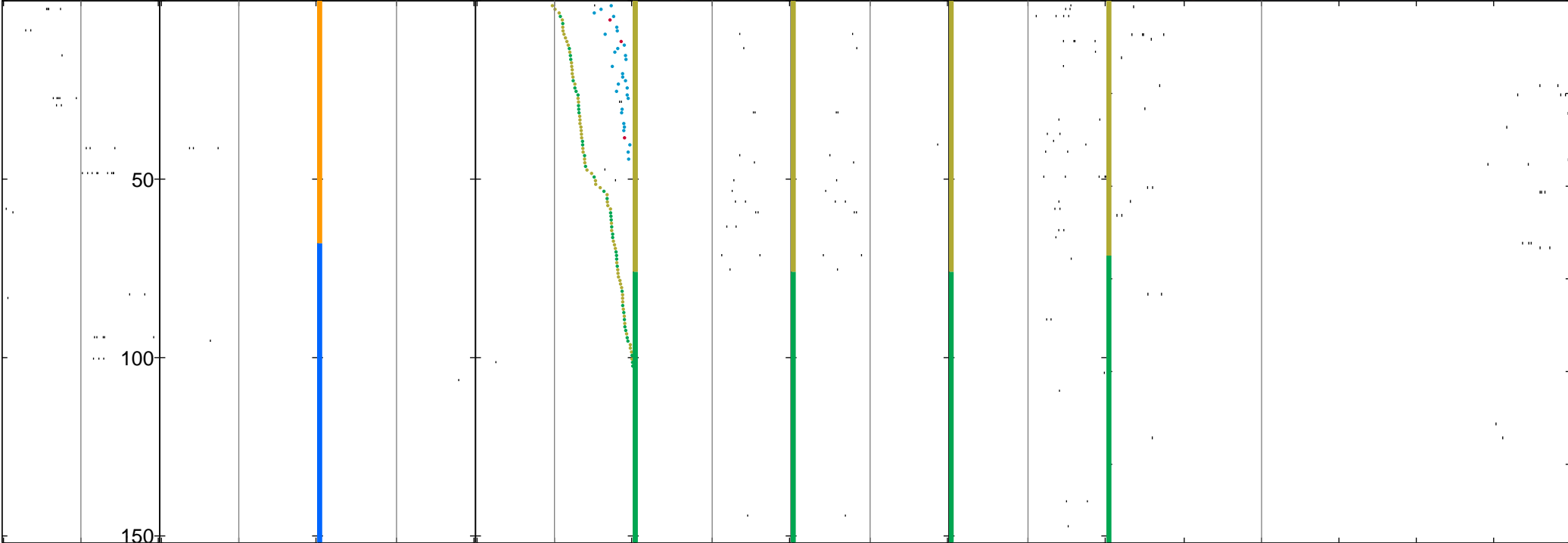
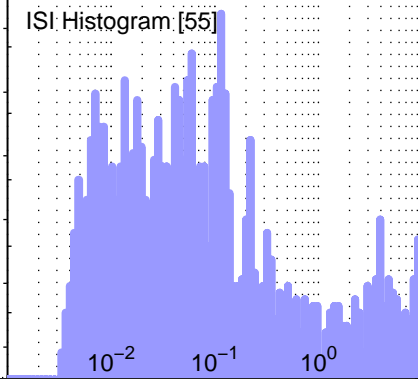
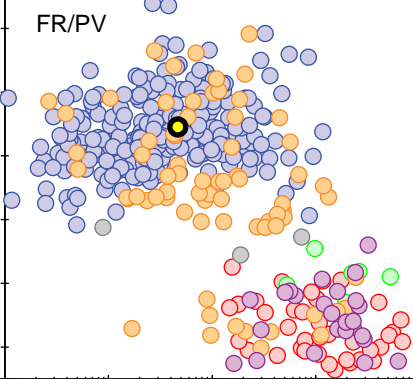
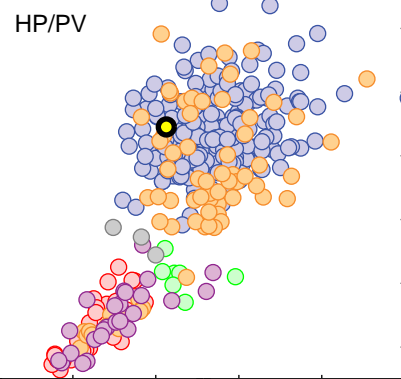
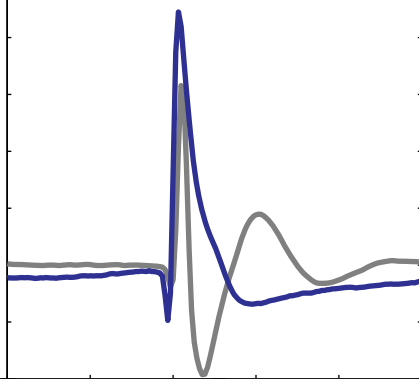
8 Reward [54,62]



Cell: C0520070406T11a

AP: -0.48 ML: 4.6 DV: 4.5
w: 4 n: 2041 $P_{ISI>2}$: 0.94
1/2pw: 213 μ s p->v: 891 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.468 Hz
Pk Ev: None
Pk FR: --

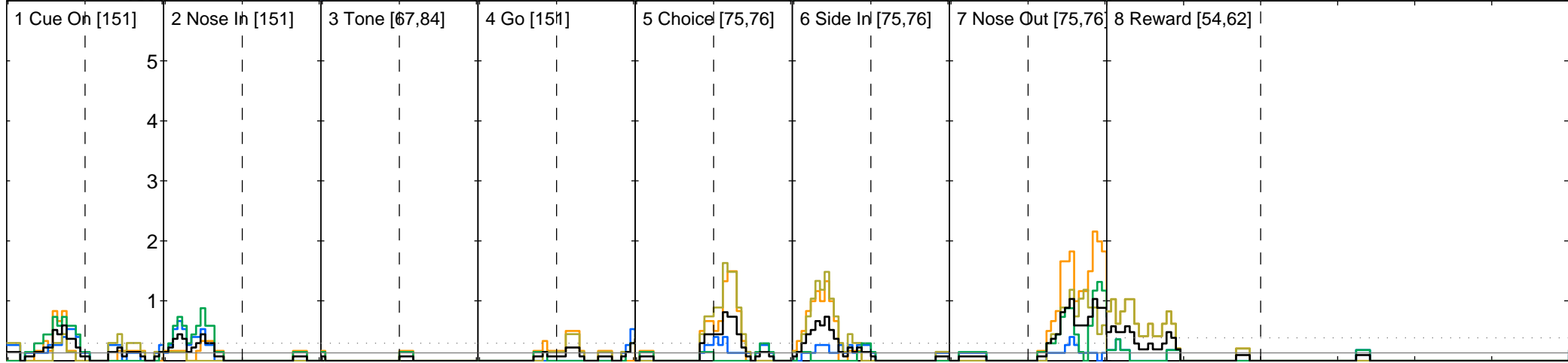
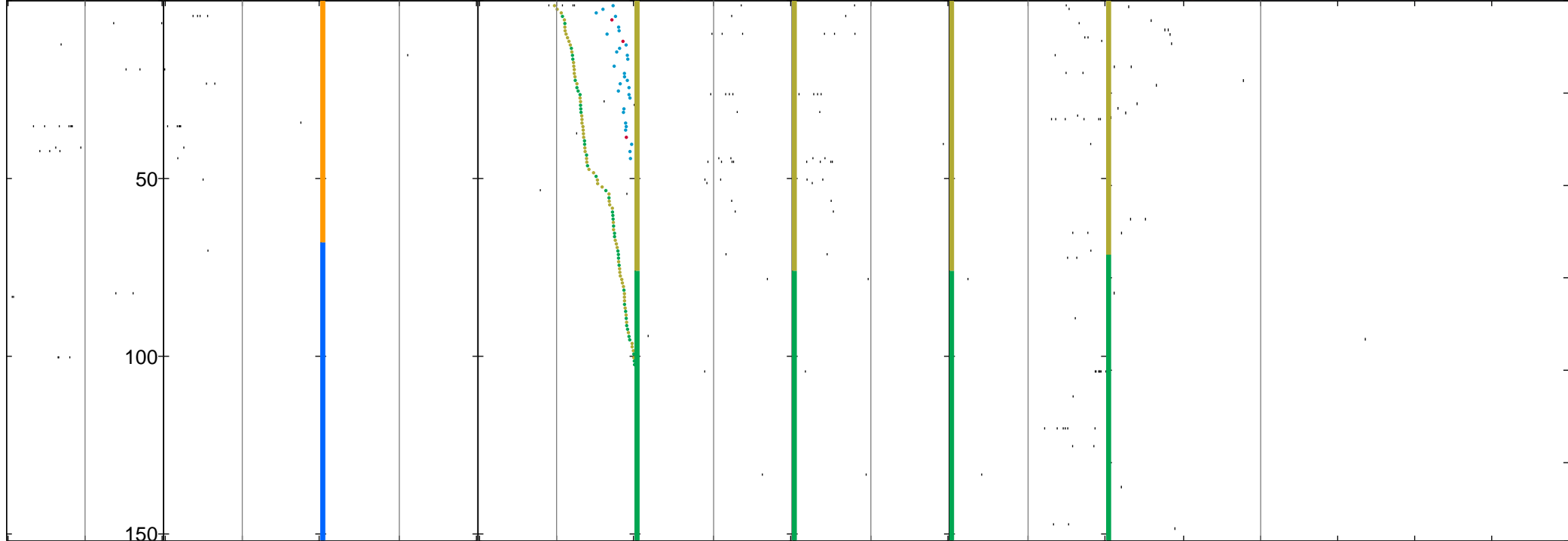
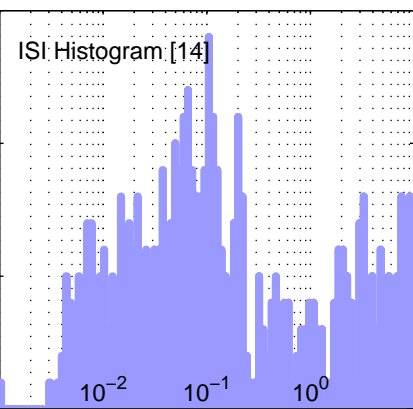
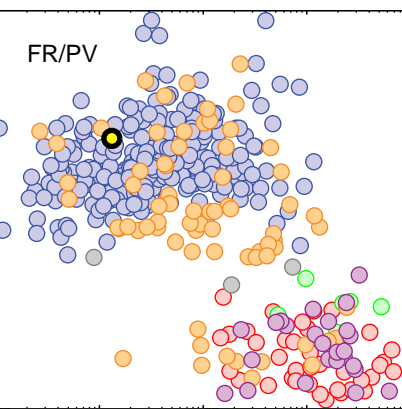
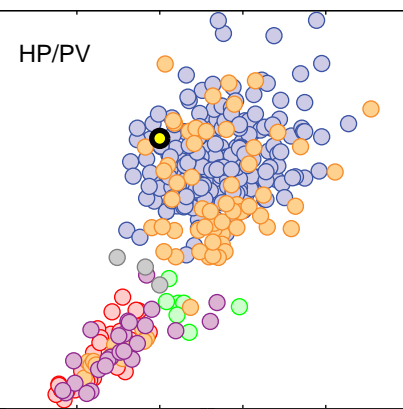
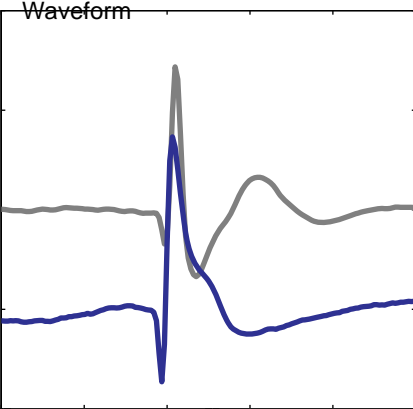
MSN



Cell: C0520070406T11b

AP: -0.48 ML: 4.6 DV: 4.5
w: 1 n: 575 $P_{ISI>2}$: 0.98
1/2pw: 200 μ s p->v: 949 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.132 Hz
Pk Ev: None
Pk FR: --

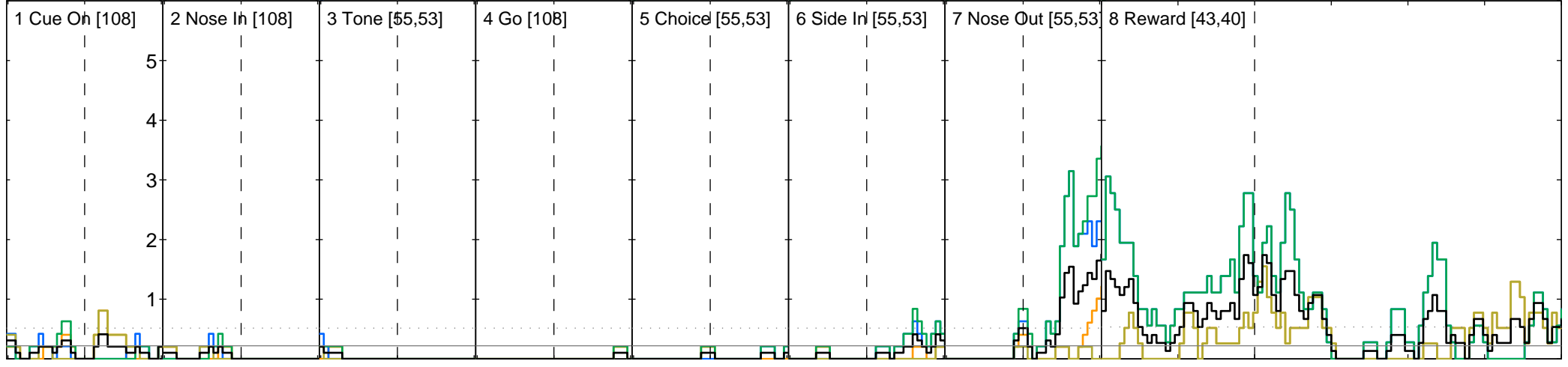
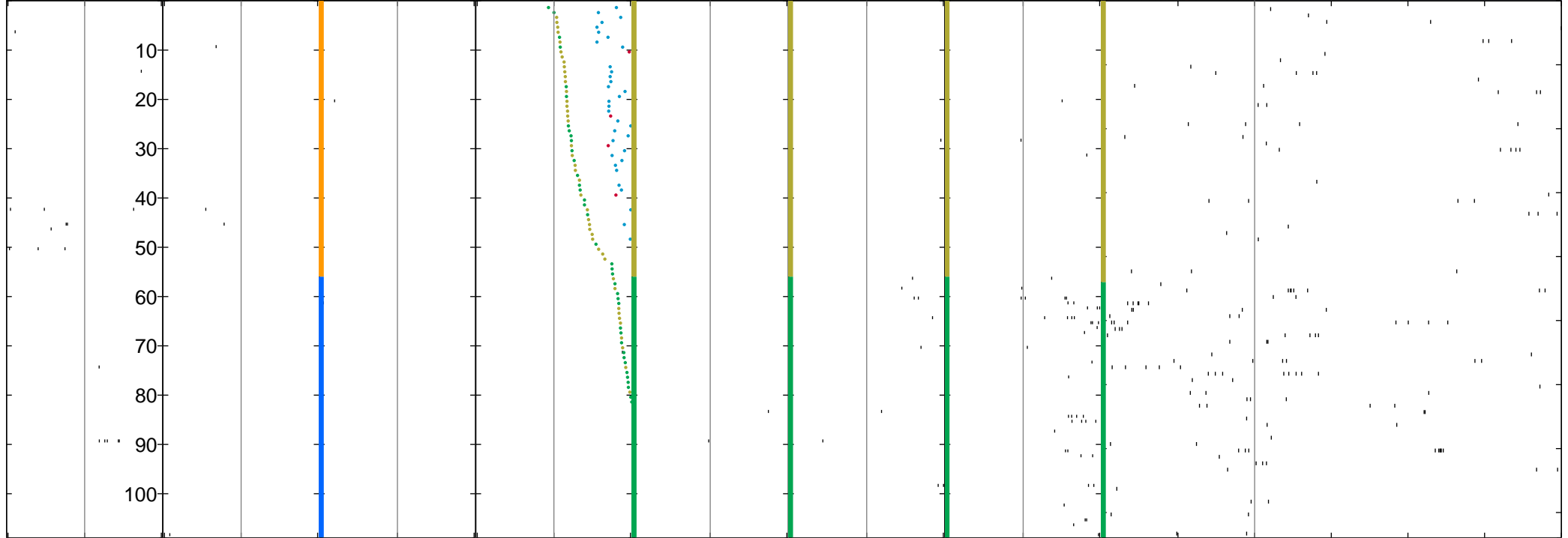
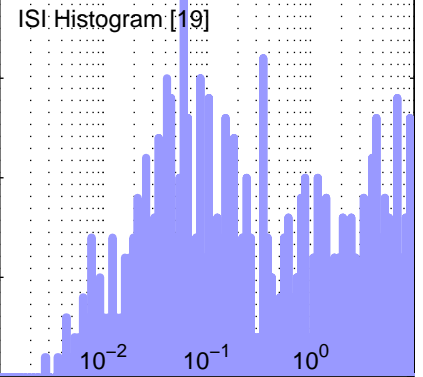
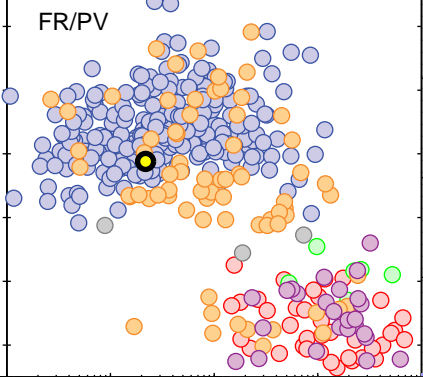
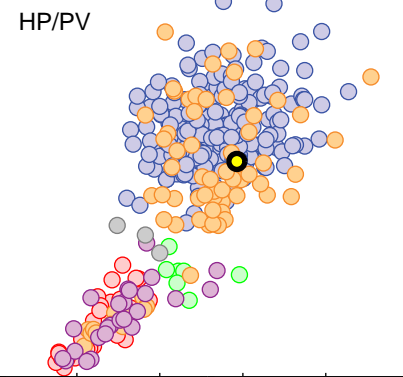
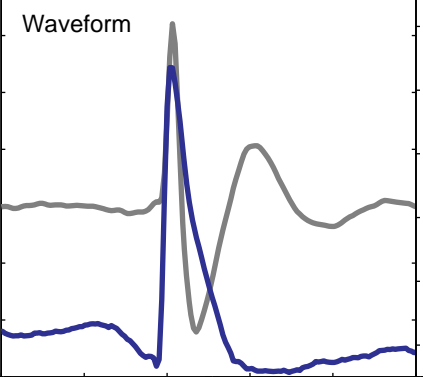
MSN



Cell: C0520070417T07a

AP: 1.3 ML: 3.4 DV: 4.5
w: 3 n: 712 $P_{ISI>2}$: 0.96
1/2pw: 293 μ s p->v: 776 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.218 Hz
Pk Ev: None
Pk FR: --

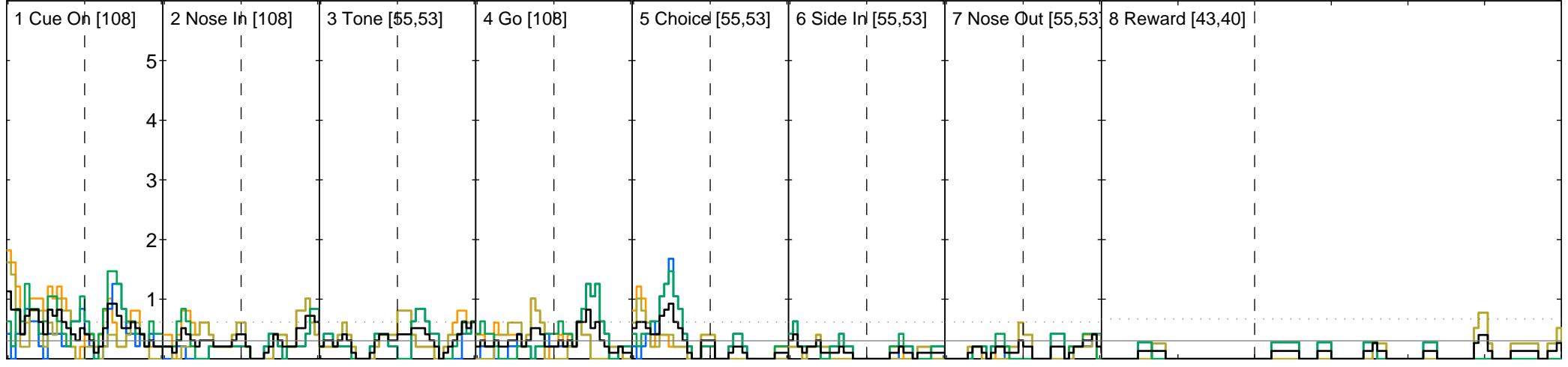
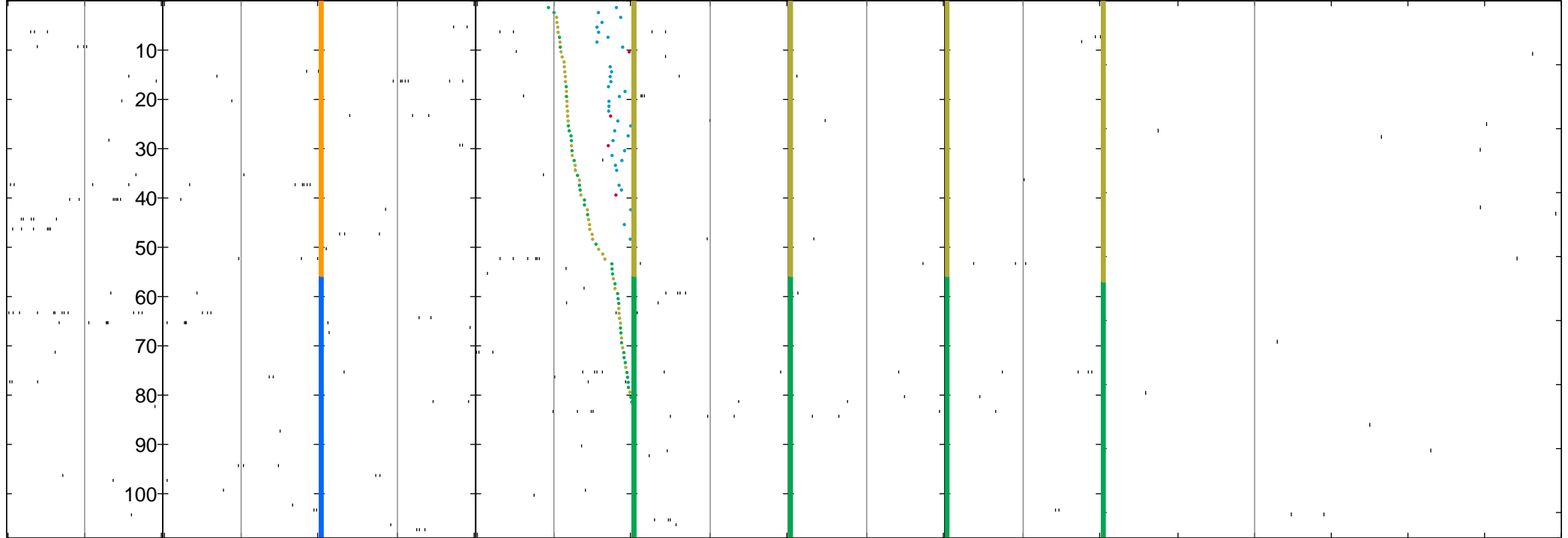
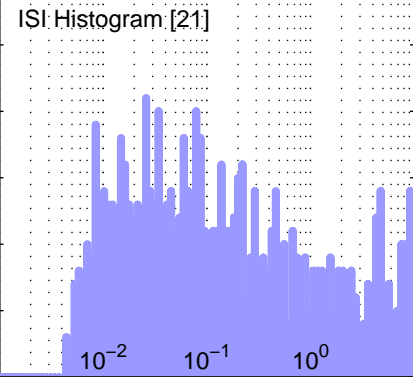
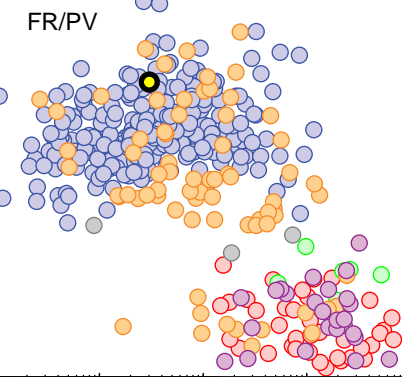
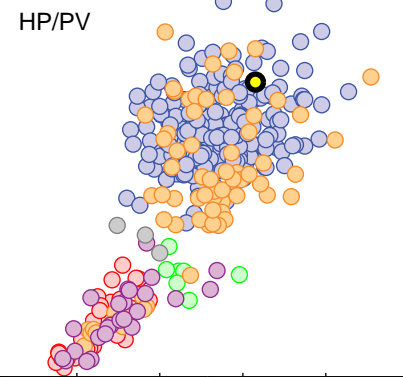
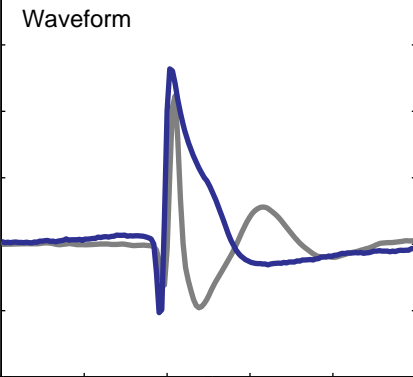
MSN



Cell: C0520070417T07c

AP: 1.3 ML: 3.4 DV: 4.5
w: 2 n: 962 $P_{ISI>2}$: 0.94
1/2pw: 315 μ s p->v: 1026 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.302 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0520070417T07d

AP: 1.3 ML: 3.4 DV: 4.5

w: 2 n: 818 $P_{ISI>2}$: 0.931/2pw: 275 μ s p->v: 747 μ s β_T : 0.96 β_D : 2.1 β_P : 2 SI: NaN

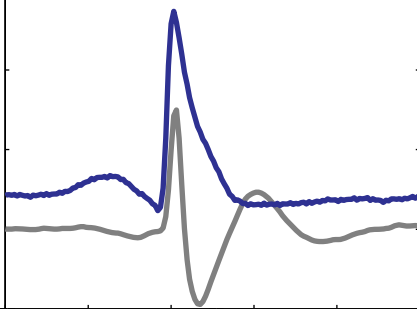
Session FR: 0.251 Hz

Pk Ev: None

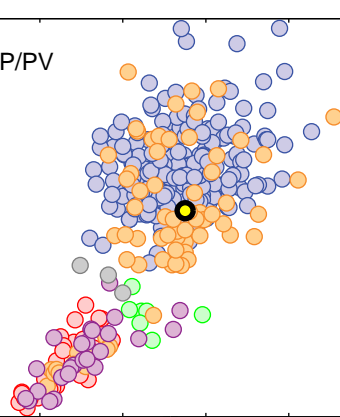
Pk FR: --

MSN

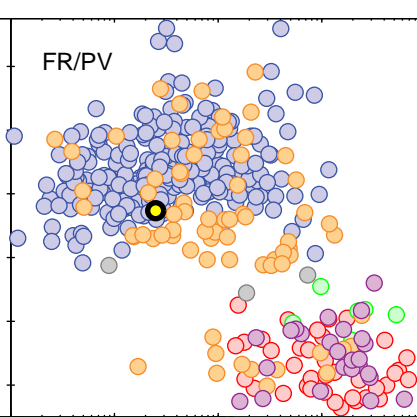
Waveform



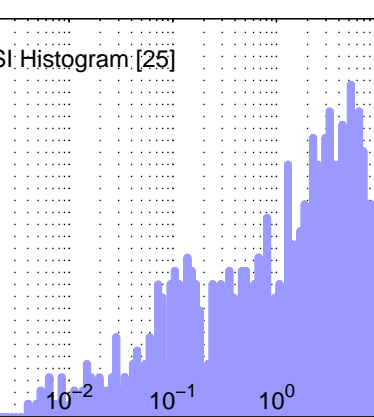
HP/PV



FR/PV



ISI Histogram [25]

10
20
30
40
50
60
70
80
90
100

1 Cue On [108]

2 Nose In [108]

3 Tone [55,53]

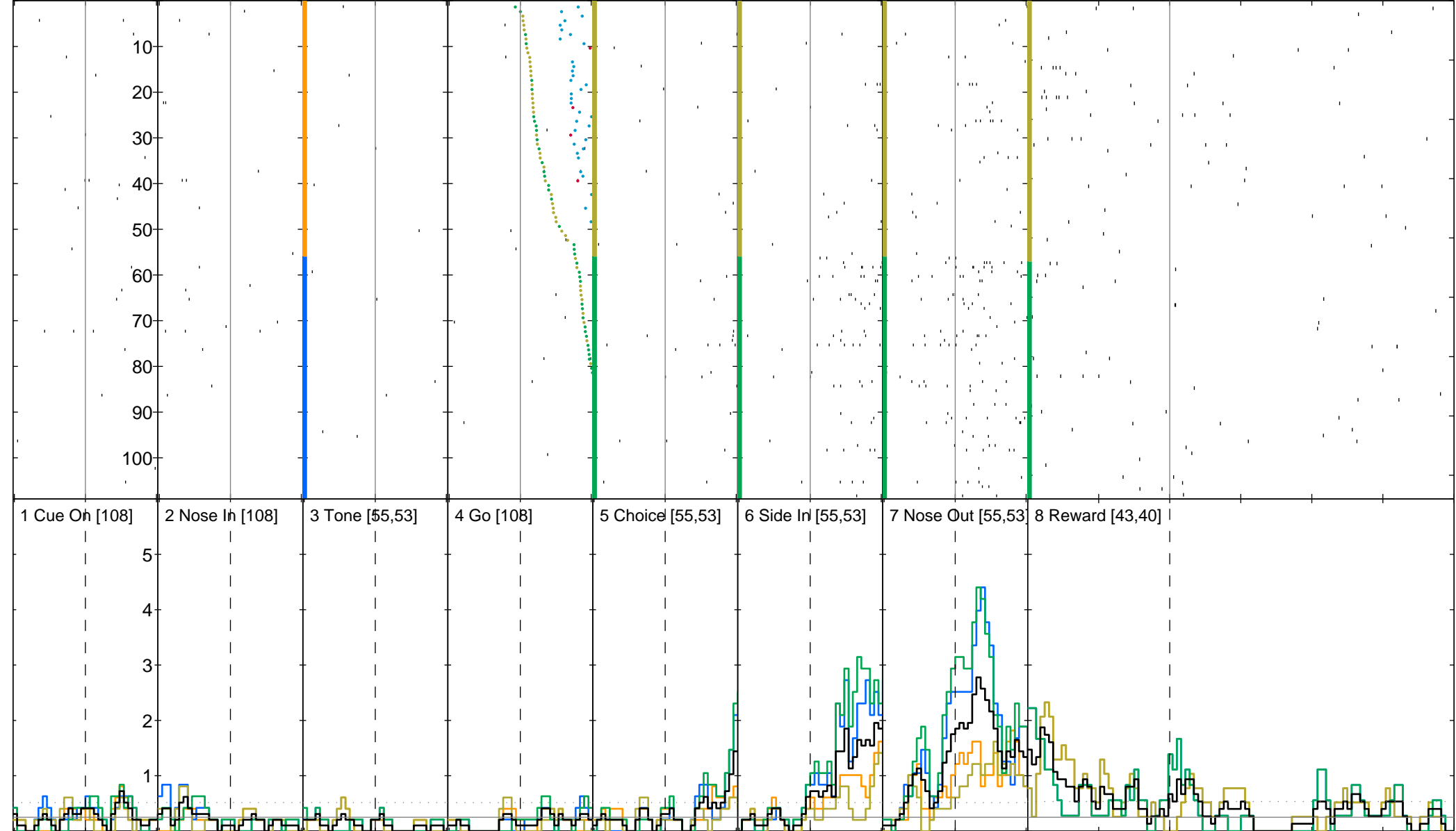
4 Go [108]

5 Choice [55,53]

6 Side In [55,53]

7 Nose Out [55,53]

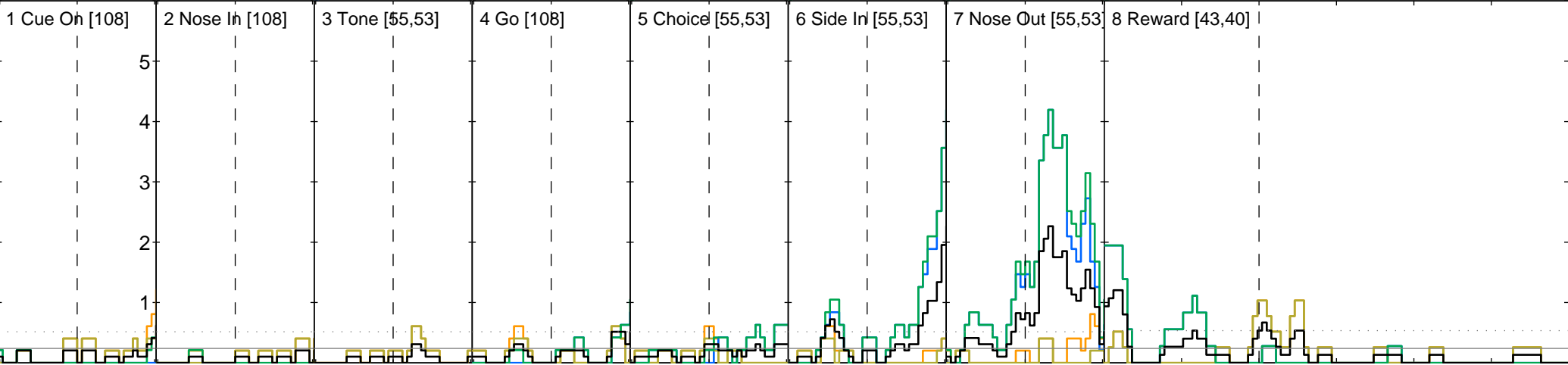
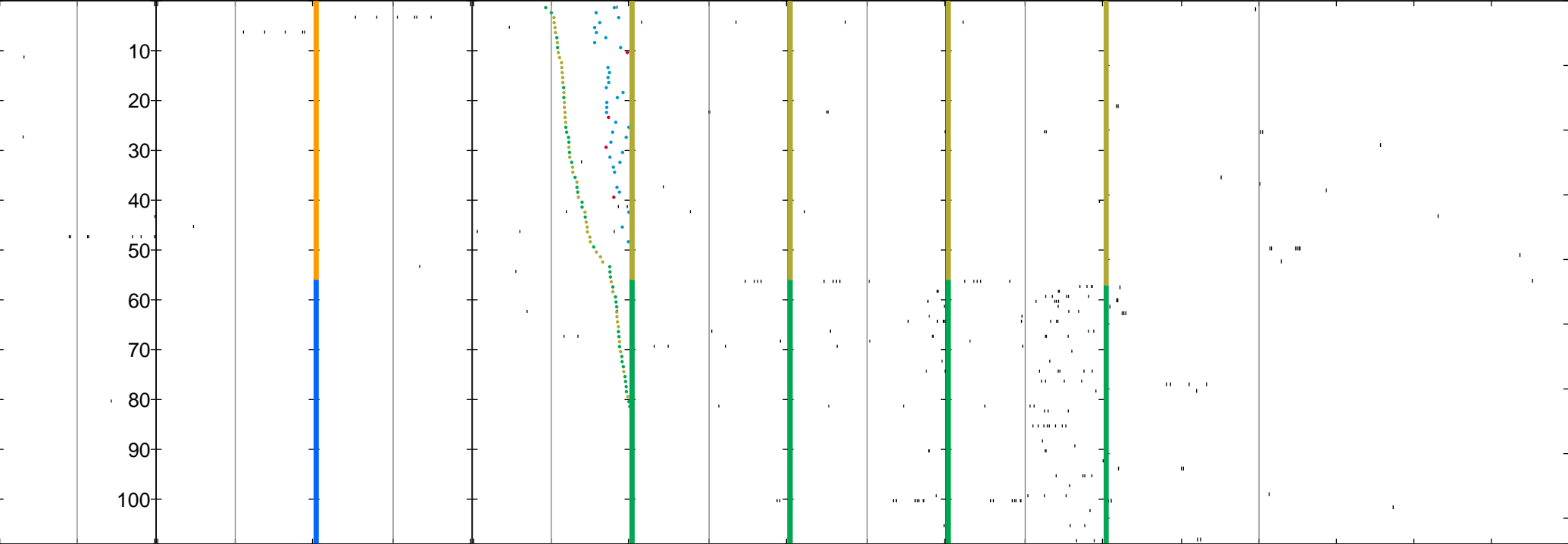
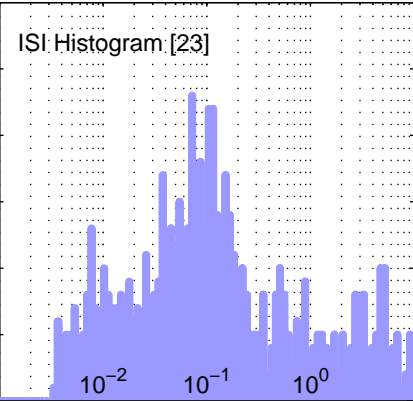
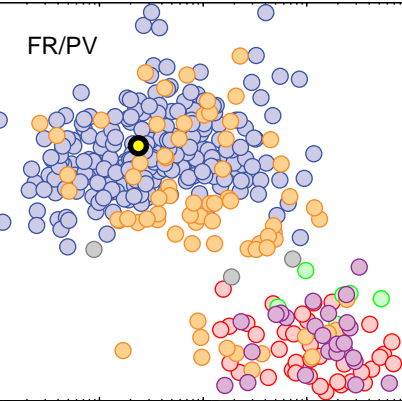
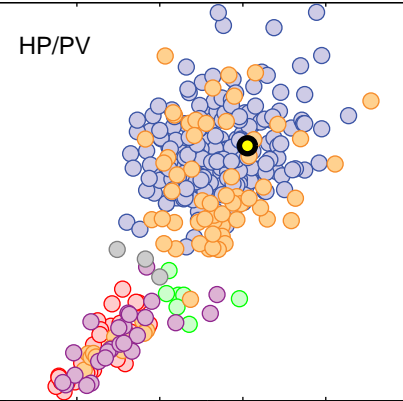
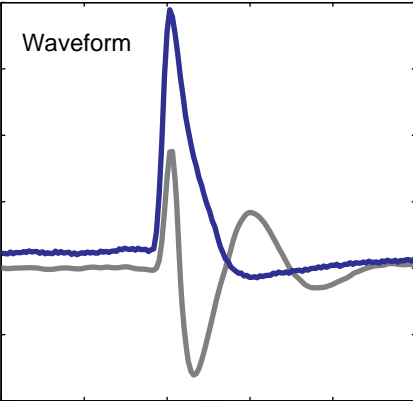
8 Reward [43,40]

5
4
3
2
1

Cell: C0520070417T07F

AP: 1.3 ML: 3.4 DV: 4.5
w: 2 n: 772 $P_{ISI>2}$: 0.96
1/2pw: 306 μ s p->v: 901 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.238 Hz
Pk Ev: None
Pk FR: --

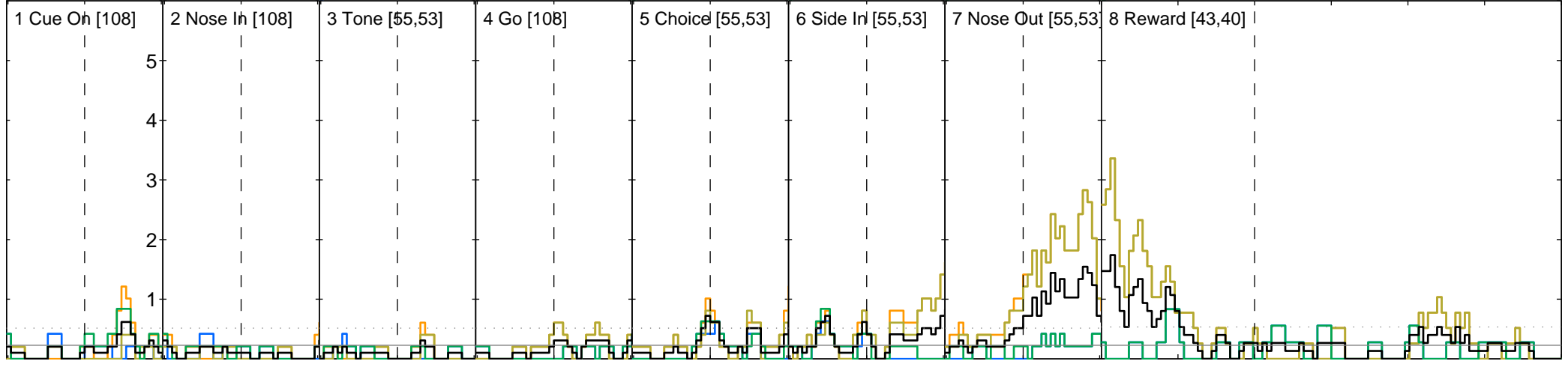
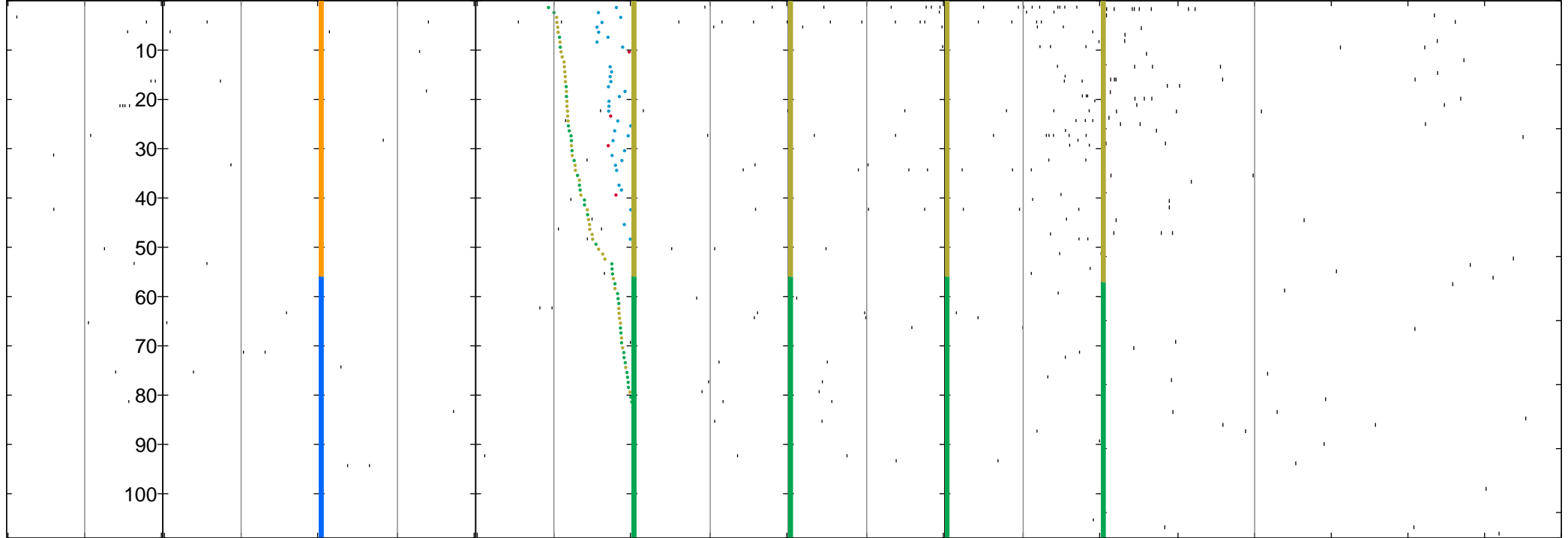
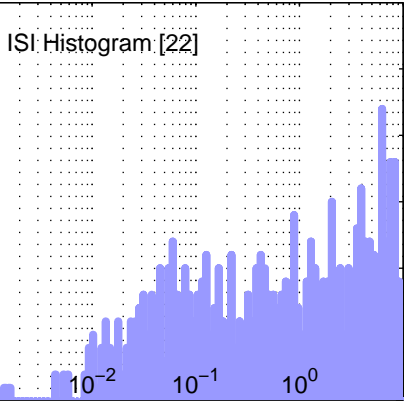
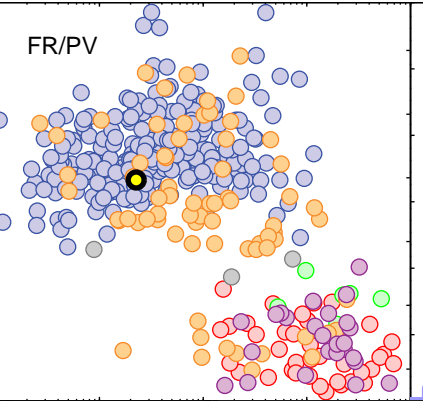
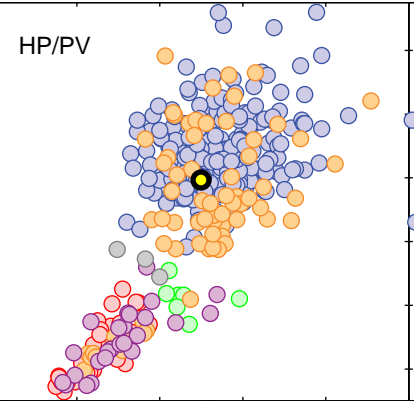
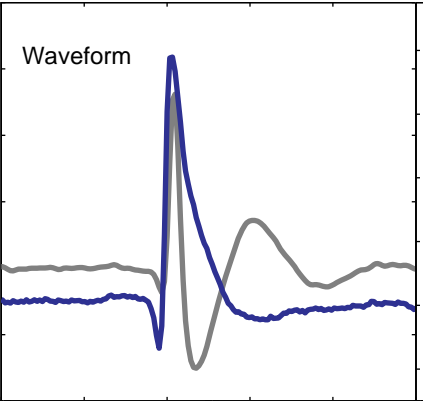
MSN



Cell: C0520070417T07h

AP: 1.3 ML: 3.4 DV: 4.5
w: 3 n: 739 $P_{ISI>2}$: 0.95
1/2pw: 250 μ s p->v: 794 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.227 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0520070417T12a

AP: -0.48 ML: 3.9 DV: 5.6

w: 2 n: 445 $P_{ISI>2}$: 0.98

1/2pw: 245 μ s p->v: 906 μ s

β_T : NaN β_D : NaN

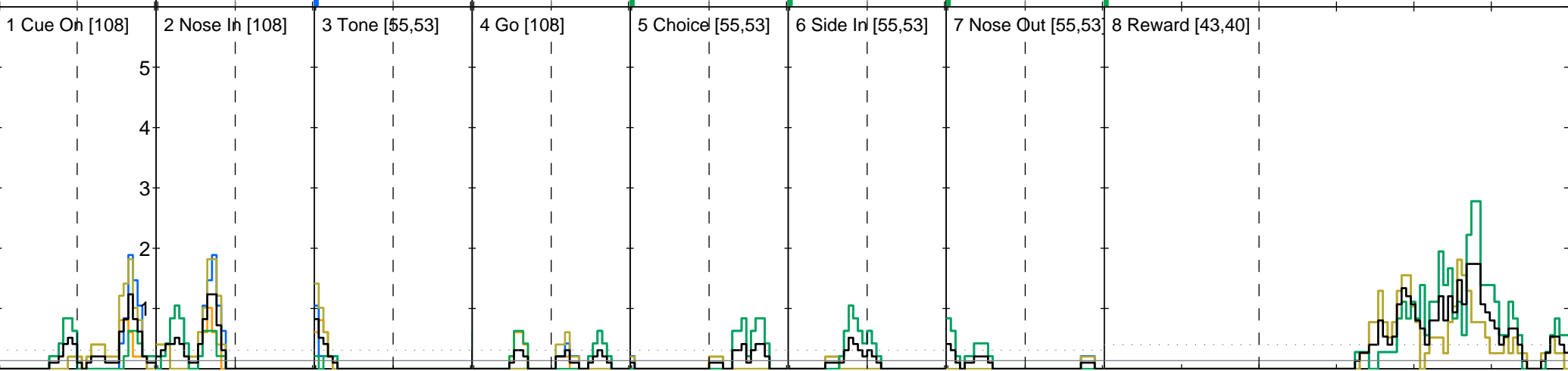
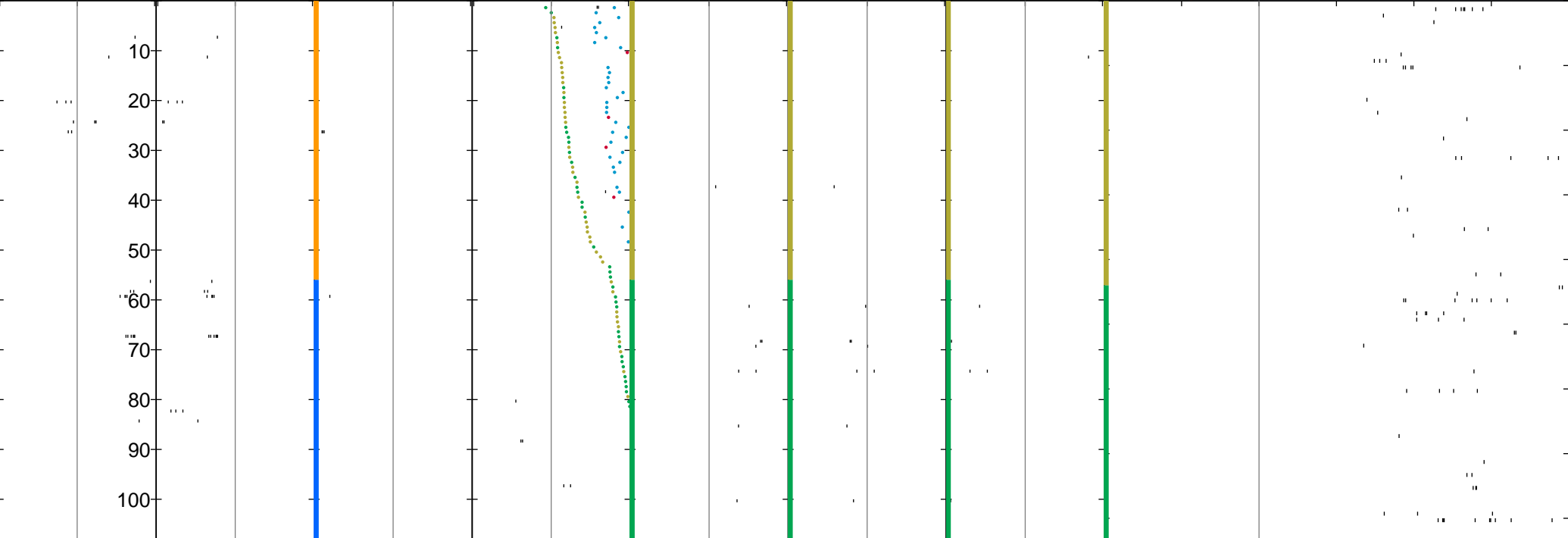
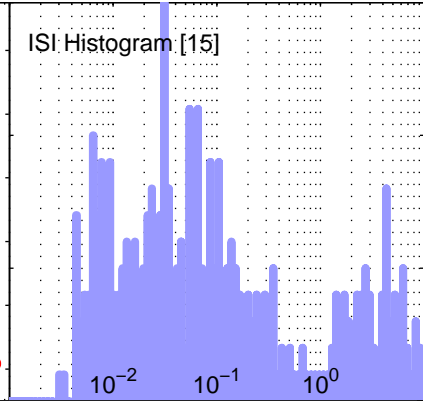
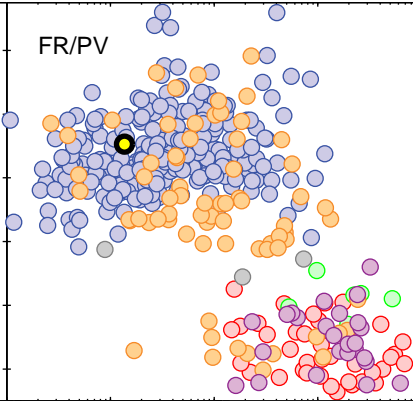
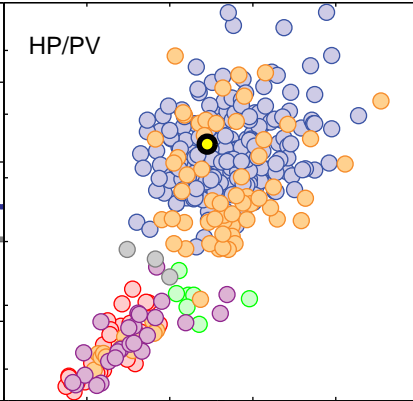
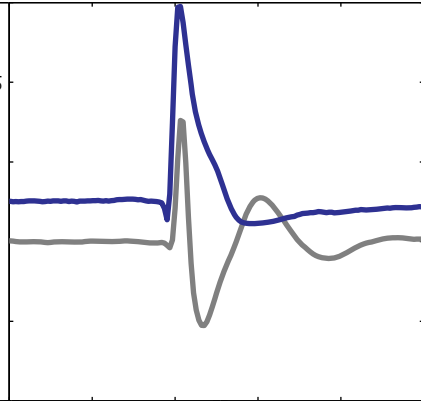
β_P : NaN SI: NaN

Session FR: 0.137 Hz

Pk Ev: None

Pk FR: --

MSN



Cell: C1220071024T05d

AP: 1.4 ML: 2.1 DV: 6.9

w: 4 n: 3657 $P_{ISI>2}$: 0.89

1/2pw: 374 μ s p->v: 824 μ s

β_T : NaN β_D : NaN

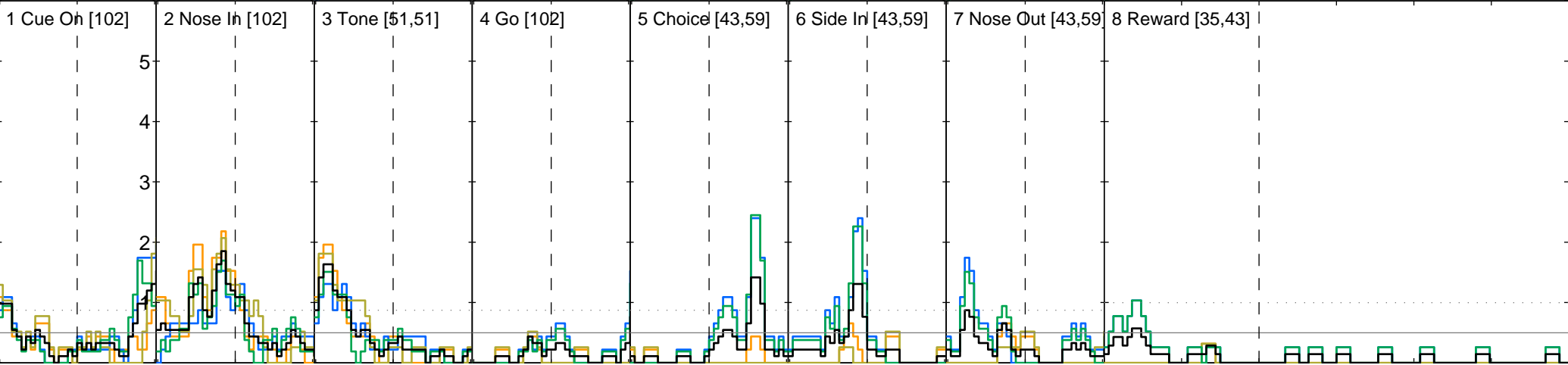
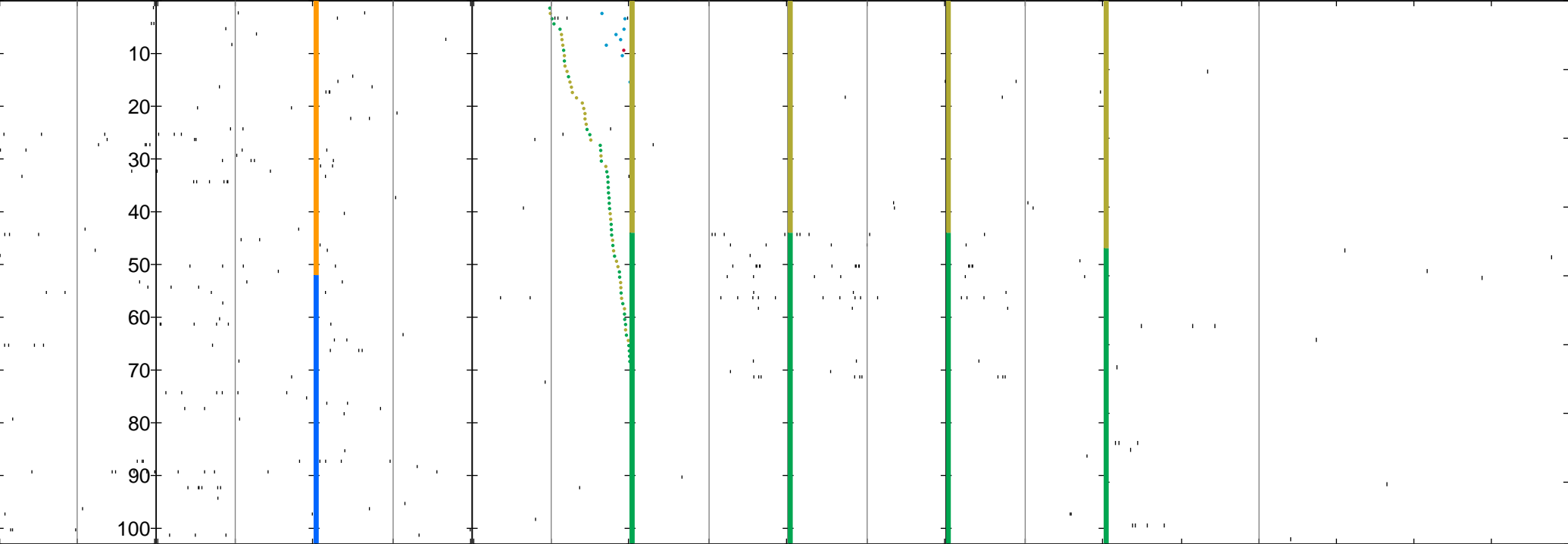
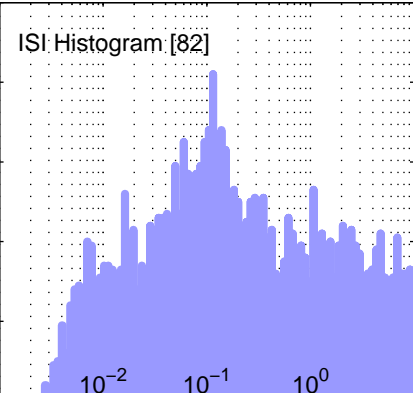
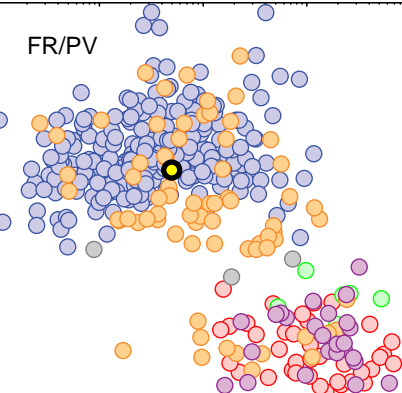
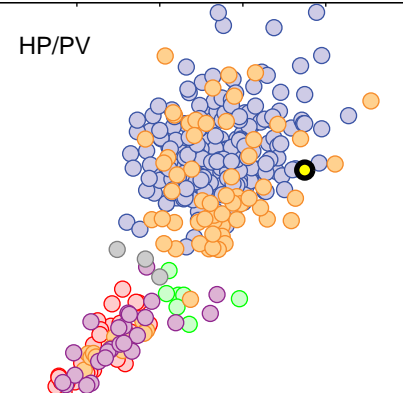
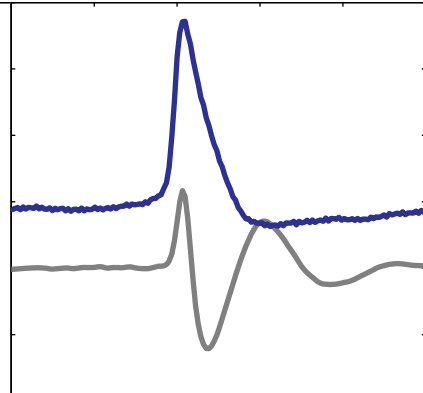
β_P : NaN SI: NaN

Session FR: 0.497 Hz

Pk Ev: None

Pk FR: --

MSN



Cell: C1220071025T05a

AP: 1.4 ML: 2.1 DV: 6.9

w: 2 n: 5070 $P_{ISI>2}$: 0.85

1/2pw: 346 μ s p->v: 1069 μ s

β_T : NaN β_D : NaN

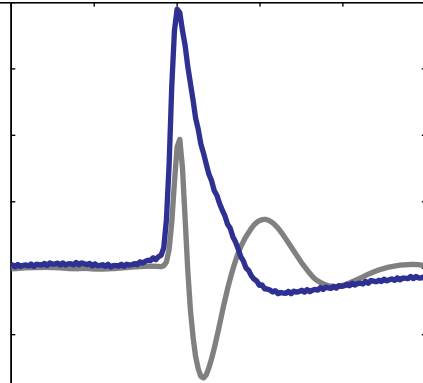
β_P : NaN SI: NaN

Session FR: 0.763 Hz

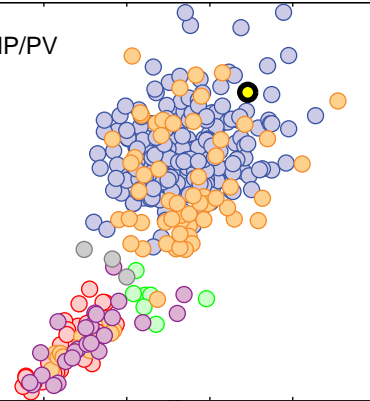
Pk Ev: None

Pk FR: --

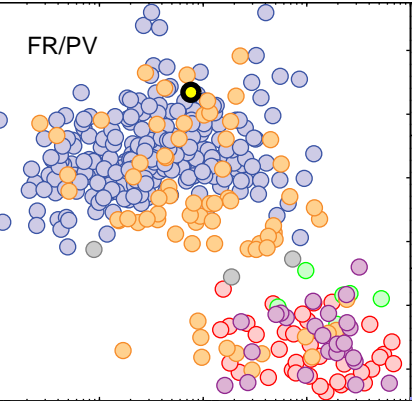
MSN



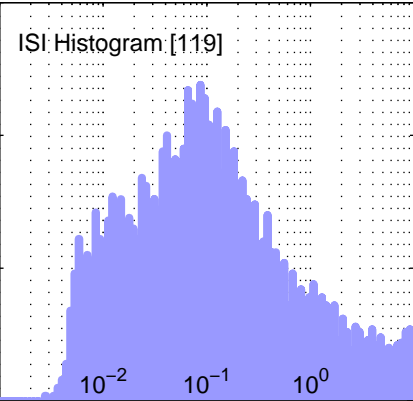
HP/PV



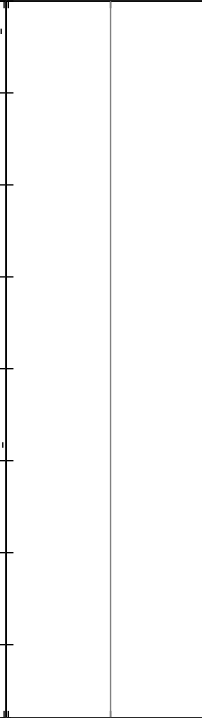
FR/PV



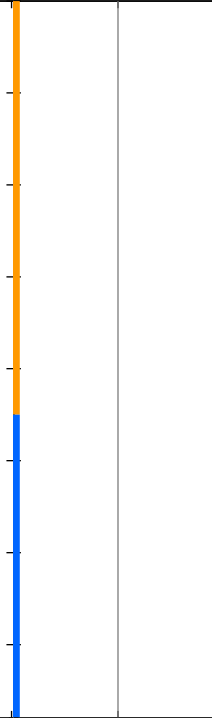
ISI Histogram [119]



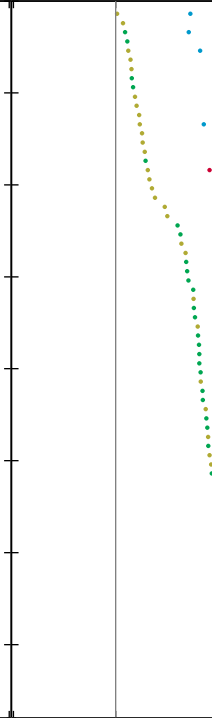
1 Cue On [77]



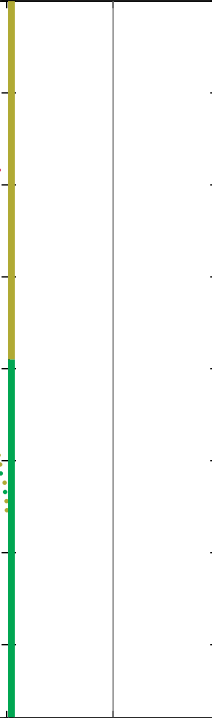
2 Nose In [77]



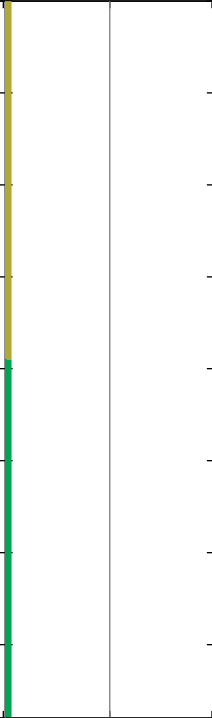
3 Tone [44,33]



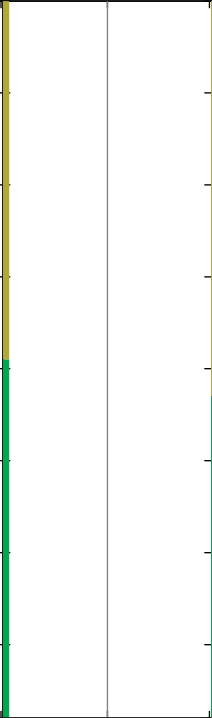
4 Go [77]



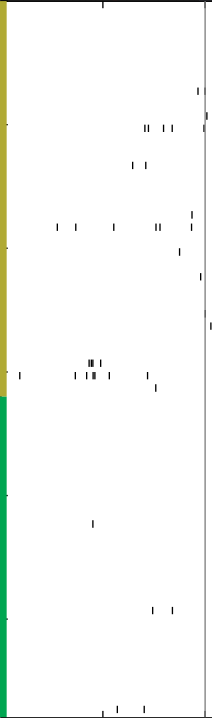
5 Choice [38,39]



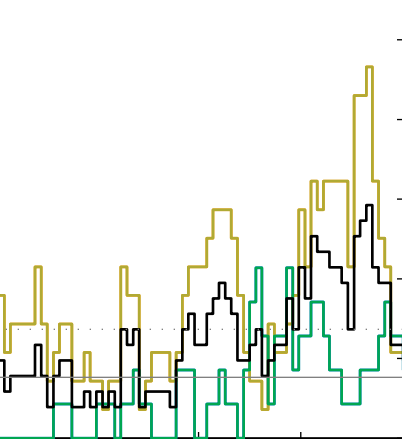
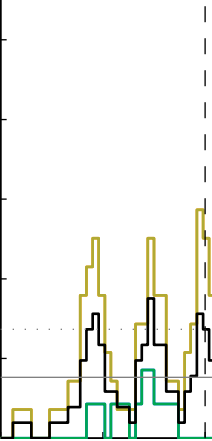
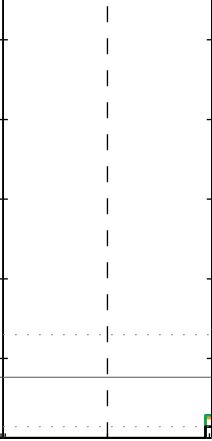
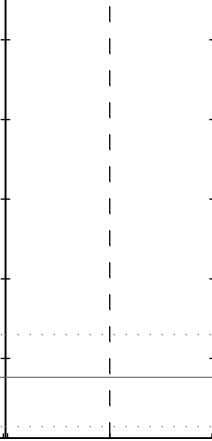
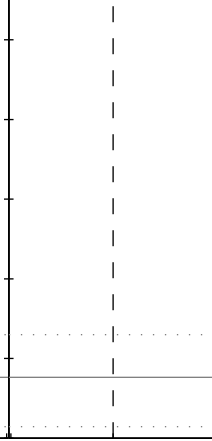
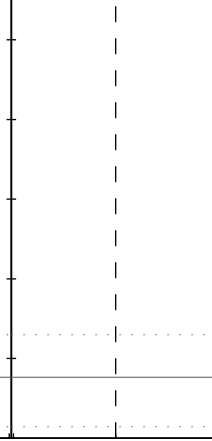
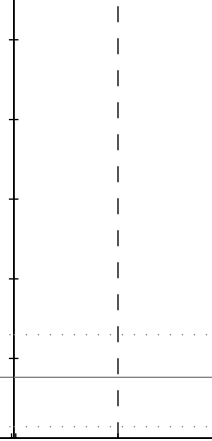
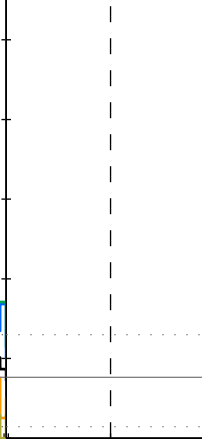
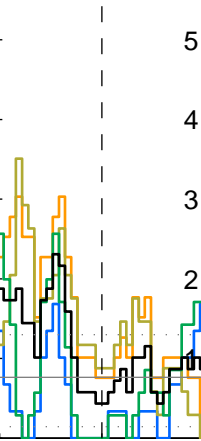
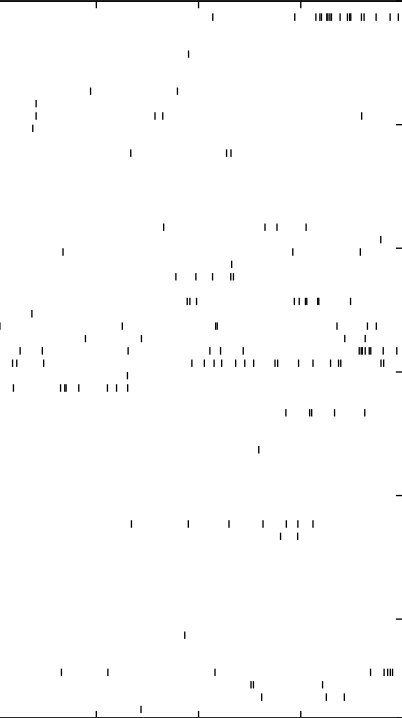
6 Side In [38,39]



7 Nose Out [38,39]



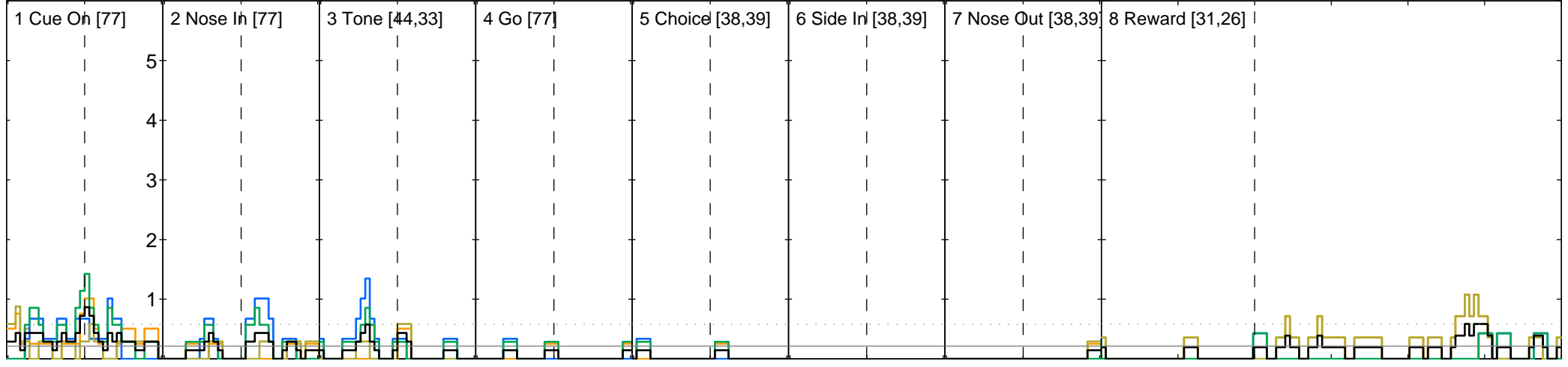
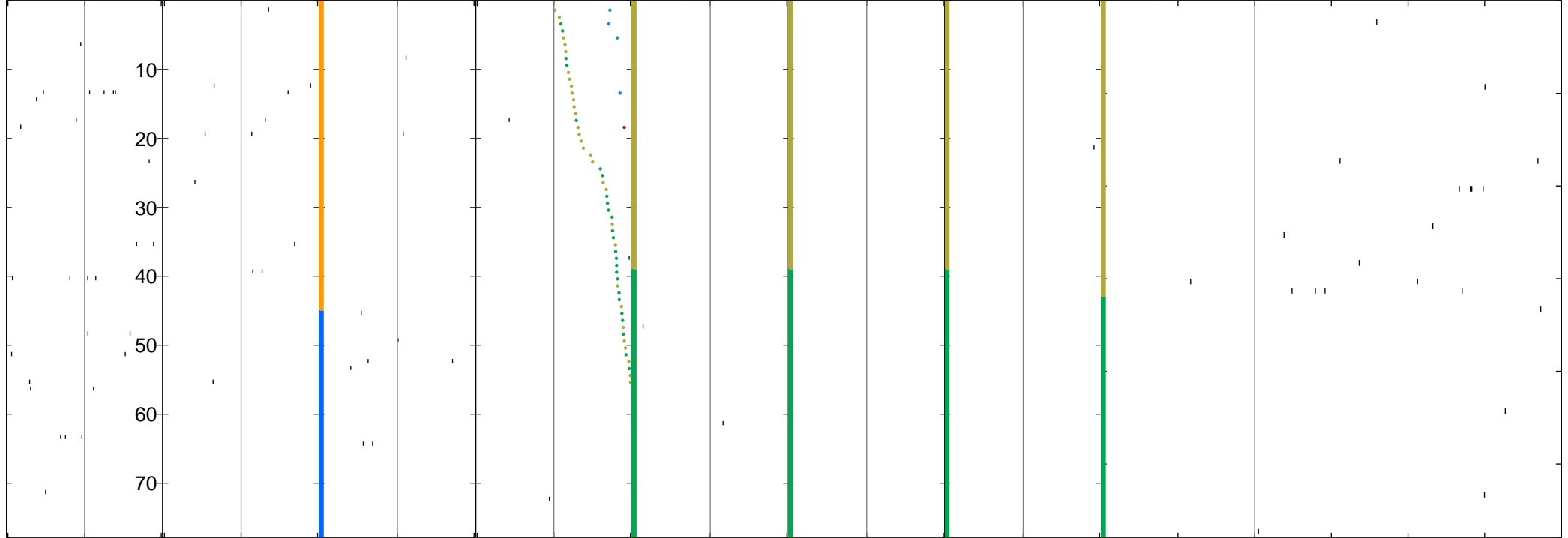
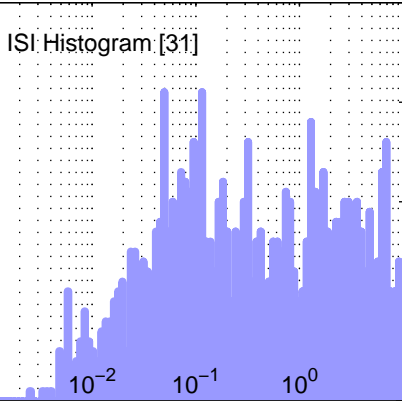
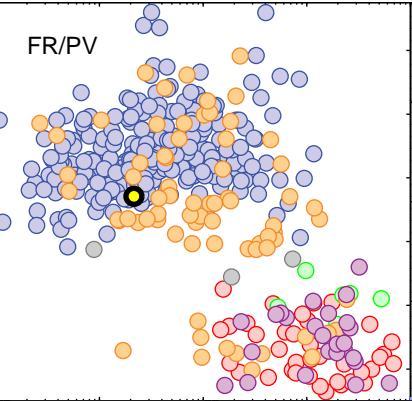
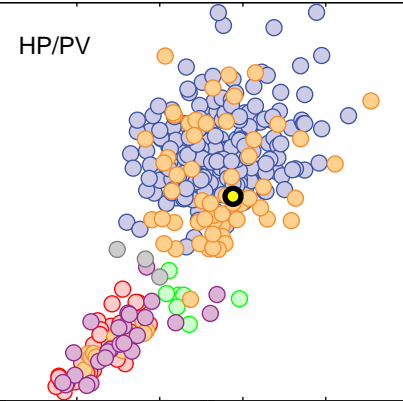
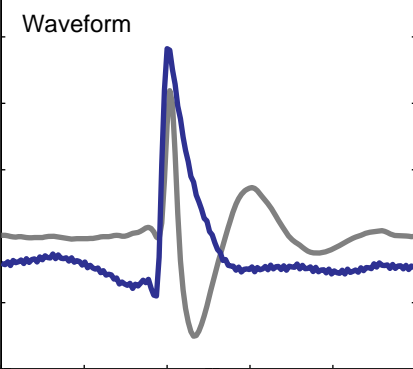
8 Reward [31,26]



Cell: C1220071025T05b

AP: 1.4 ML: 2.1 DV: 6.9
w: 3 n: 1435 $P_{ISI>2}$: 0.94
1/2pw: 288 μ s p->v: 742 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.215 Hz
Pk Ev: None
Pk FR: --

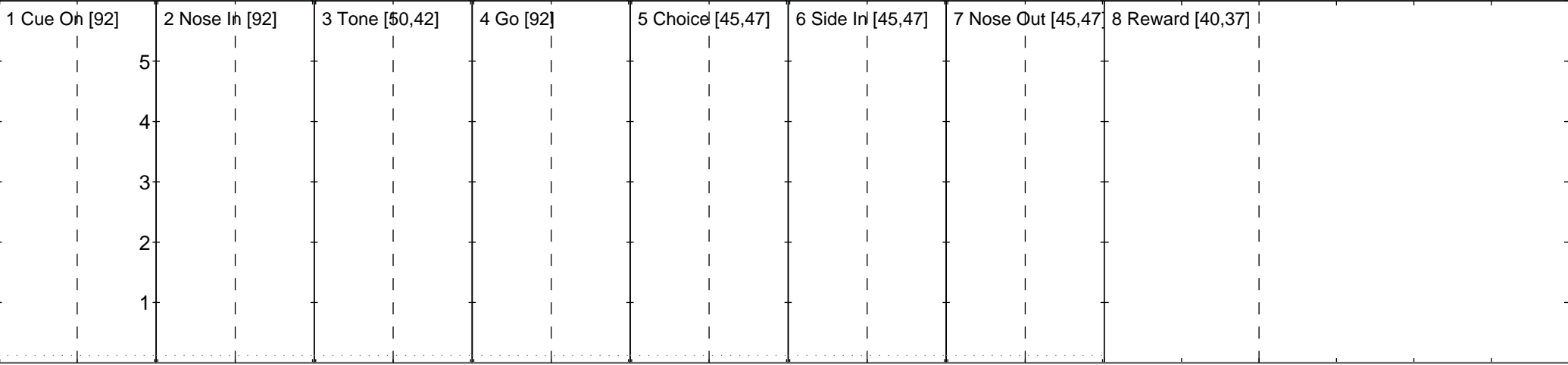
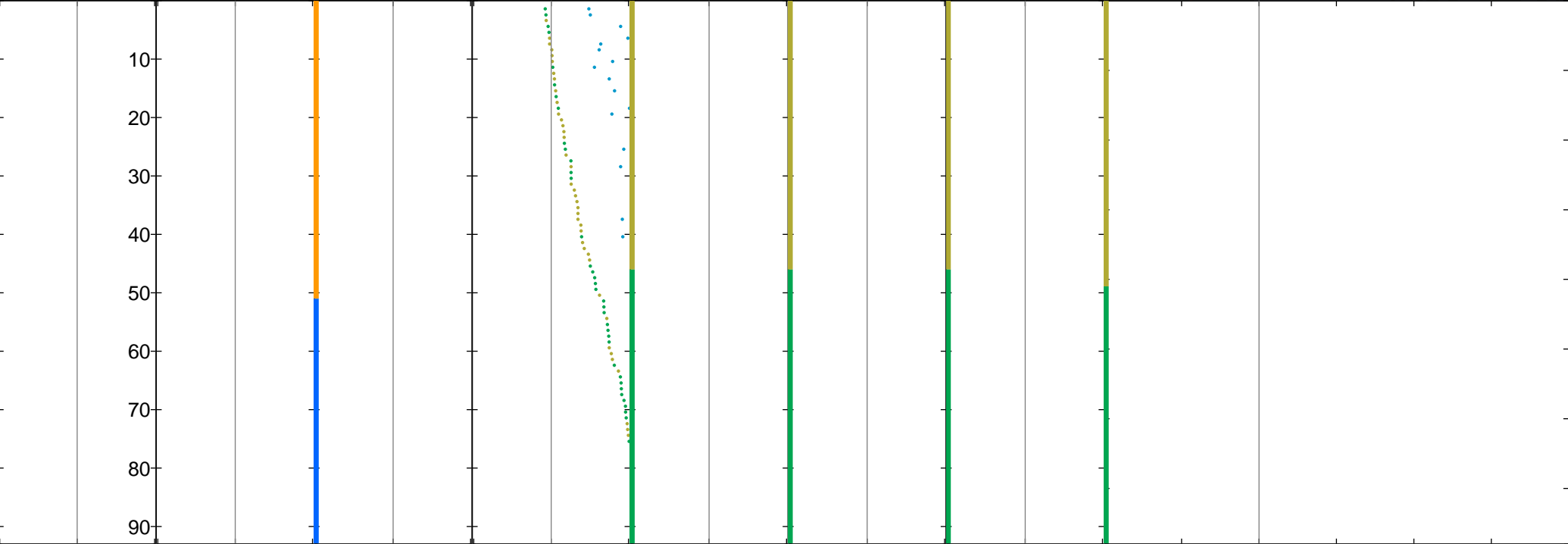
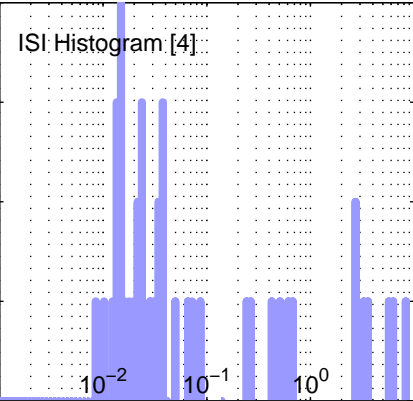
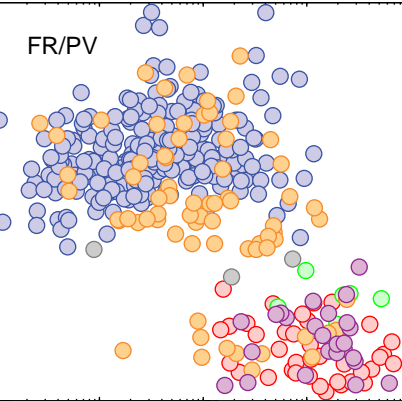
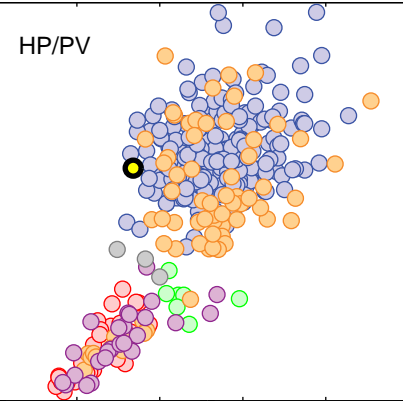
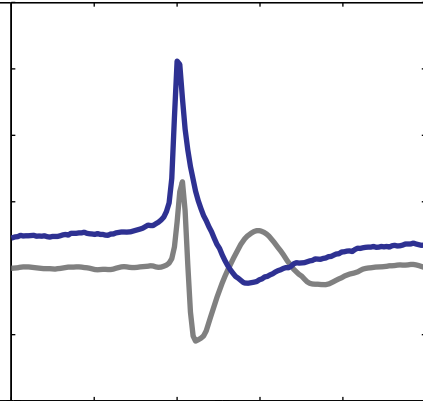
MSN



Cell: C1220071117T05a

AP: 1.4 ML: 2.1 DV: 7.5
w: 2 n: 70 $P_{ISI>2}$: 1
1/2pw: 168 μ s p->v: 830 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.00688 Hz
Pk Ev: None
Pk FR: --

MSN

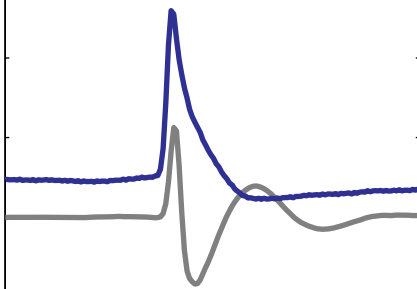


Cell: C1220071117T06a

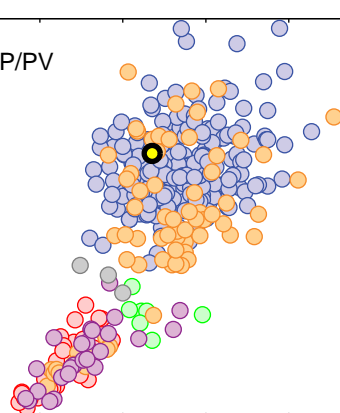
AP: 1.8 ML: 2.5 DV: 6
w: 3 n: 1452 $P_{ISI>2}$: 0.98
1/2pw: 235 μ s p->v: 926 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.143 Hz
Pk Ev: None
Pk FR: --

MSN

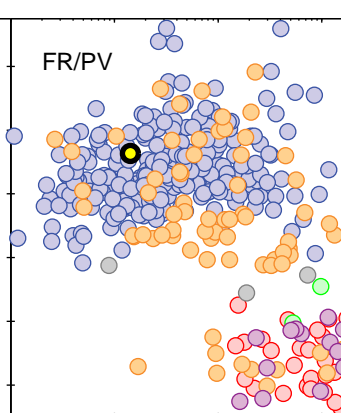
Waveform



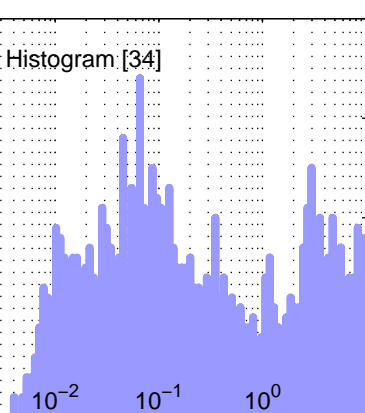
HP/PV



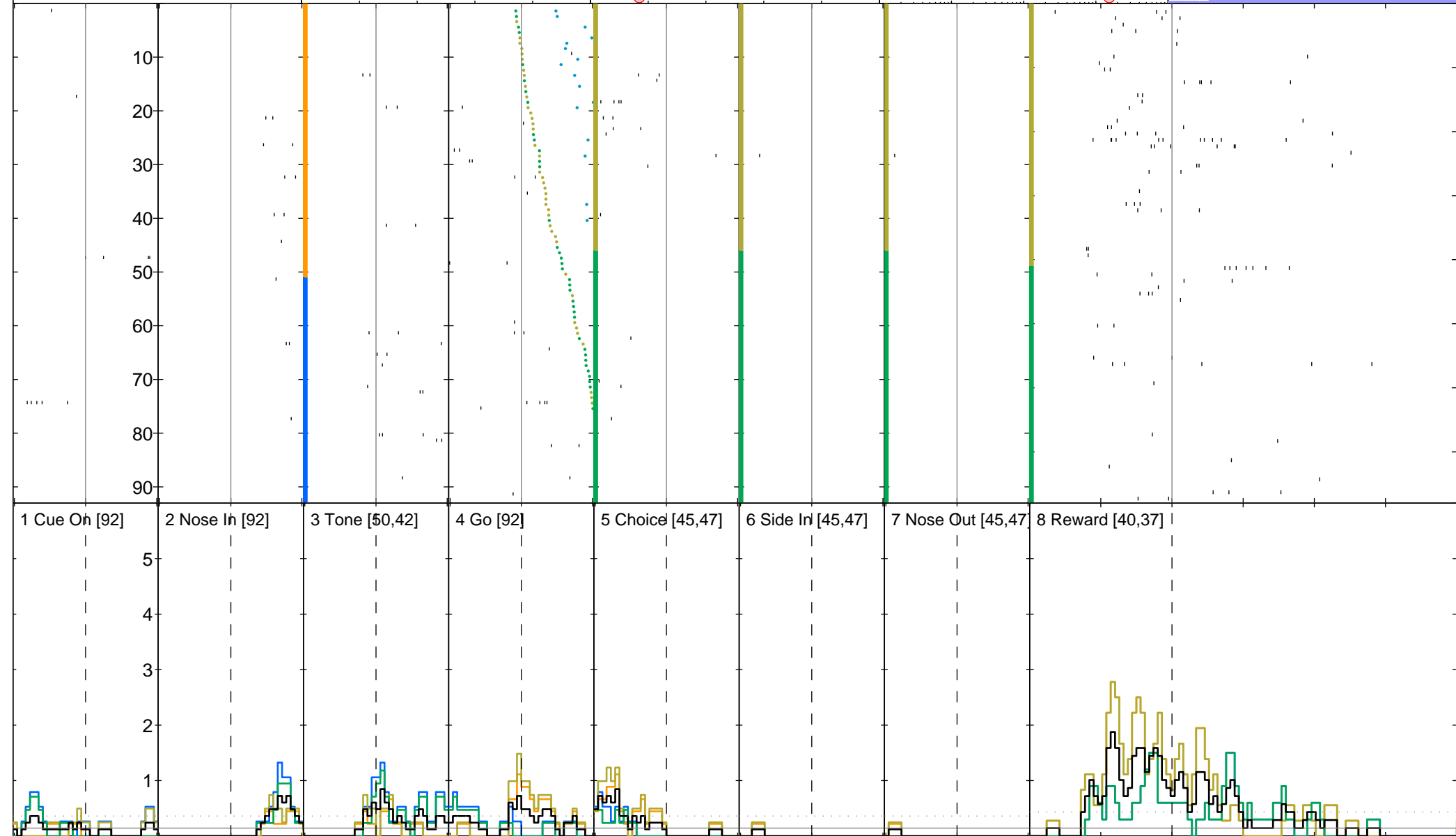
FR/PV



ISI Histogram [34]

10
20
30
40
50
60
70
80
90

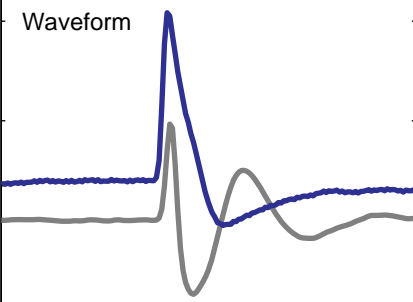
1 Cue On [92] 2 Nose In [92] 3 Tone [50,42] 4 Go [92] 5 Choice [45,47] 6 Side In [45,47] 7 Nose Out [45,47] 8 Reward [40,37]

5
4
3
2
1

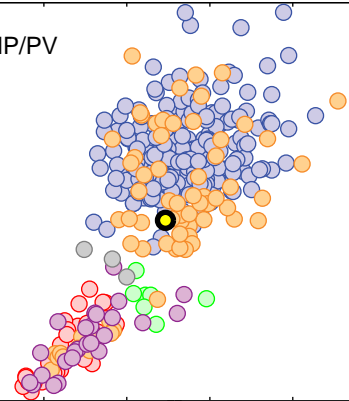
Cell: C1220071125T05a

AP: 1.4 ML: 2.1 DV: 8
w: 2 n: 289 $P_{ISI>2}$: 0.99
1/2pw: 246 μ s p->v: 667 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0507 Hz
Pk Ev: None
Pk FR: --

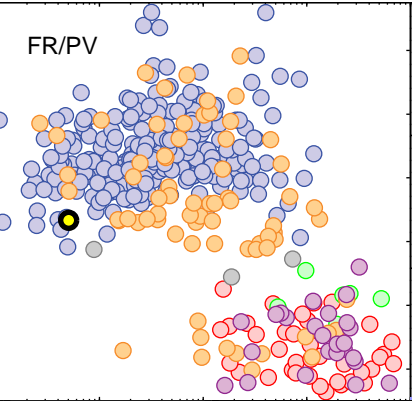
MSN



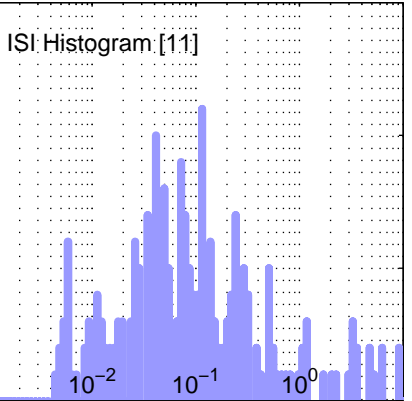
HP/PV



FR/PV



ISI Histogram [11]



10
20
30
40
50
60
70
80
90
100

1 Cue On [107] 2 Nose In [107] 3 Tone [55,52] 4 Go [107] 5 Choice [63,44] 6 Side In [63,44] 7 Nose Out [63,44] 8 Reward [46,35]

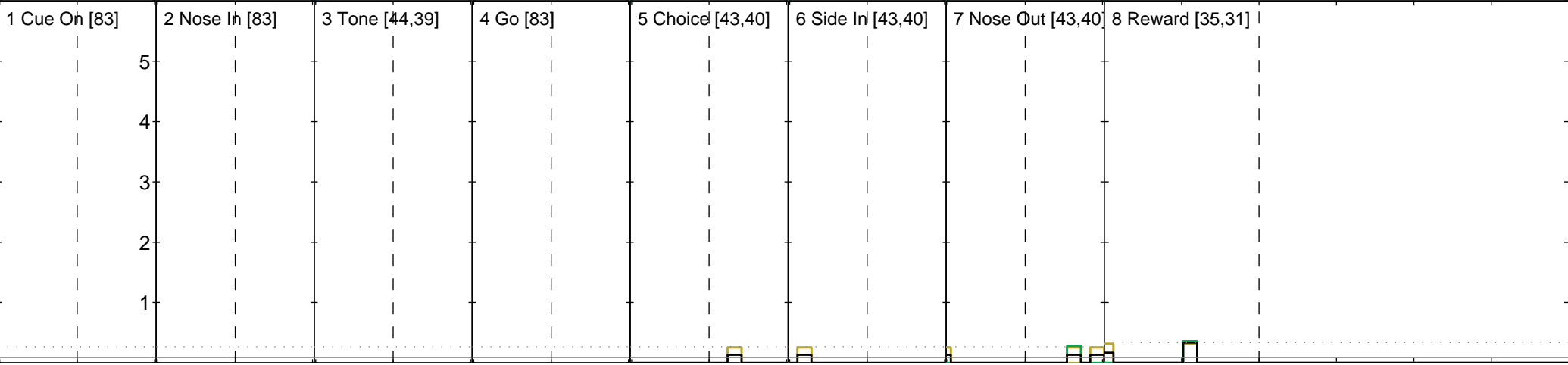
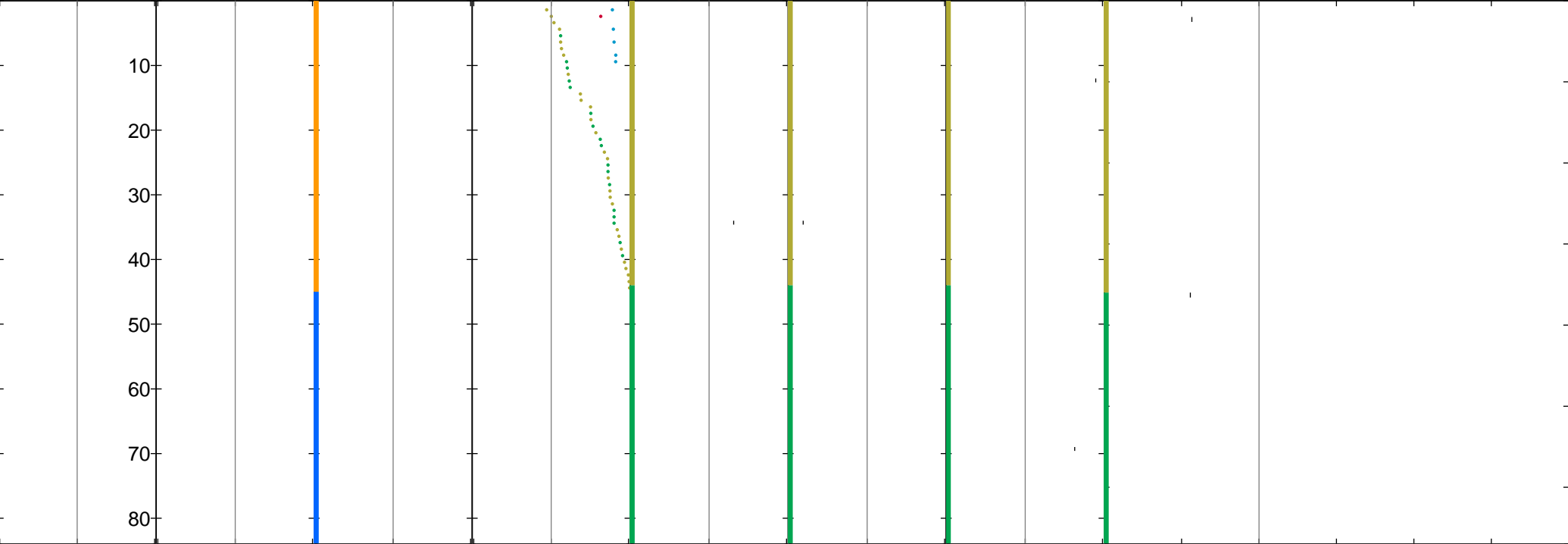
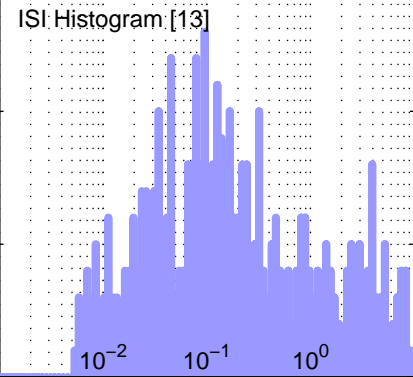
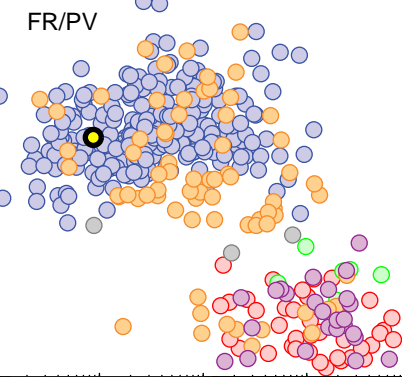
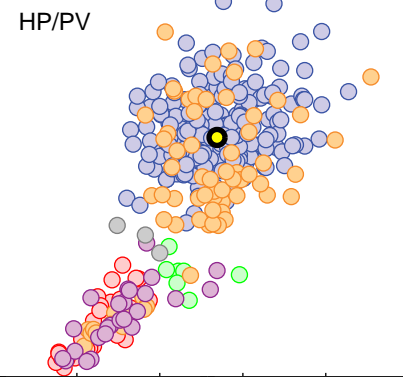
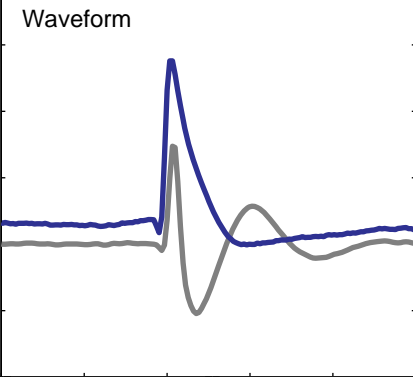
5
4
3
2
1



Cell: C1220071022T05b

AP: 1.4 ML: 2.1 DV: 6.7
w: 3 n: 513 $P_{ISI>2}$: 0.98
1/2pw: 269 μ s p->v: 851 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0869 Hz
Pk Ev: None
Pk FR: --

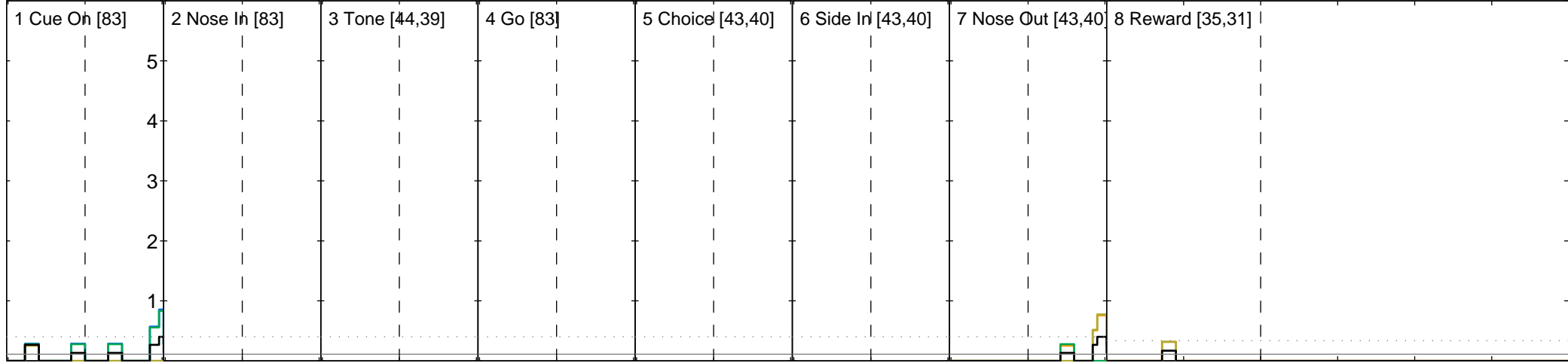
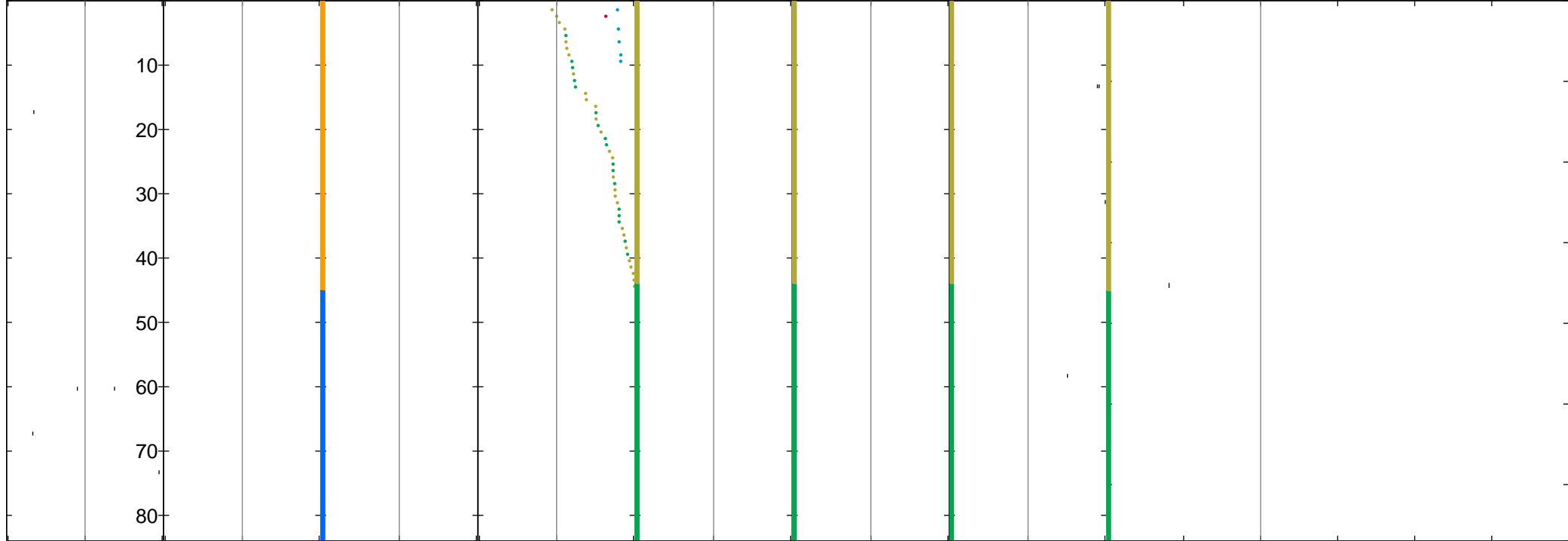
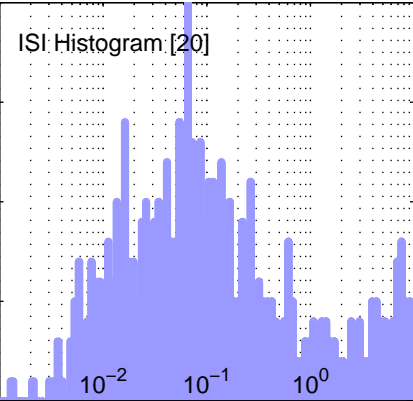
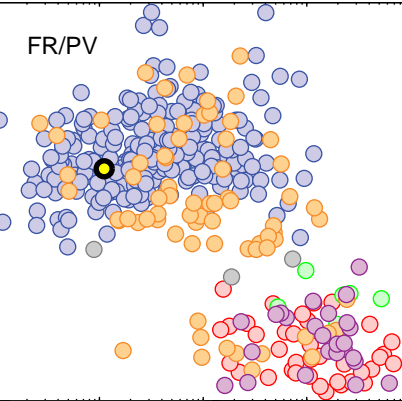
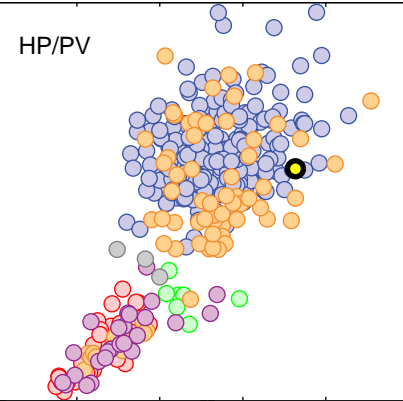
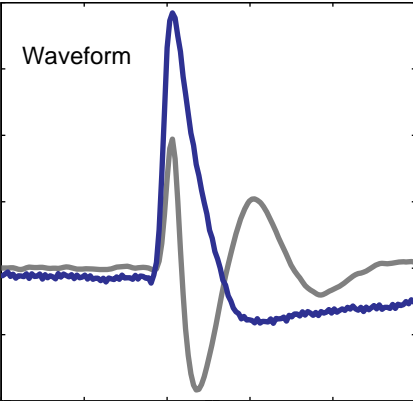
MSN



Cell: C1220071022T05c

AP: 1.4 ML: 2.1 DV: 6.7
w: 2 n: 656 $P_{ISI>2}$: 0.98
1/2pw: 363 μ s p->v: 829 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.111 Hz
Pk Ev: None
Pk FR: --

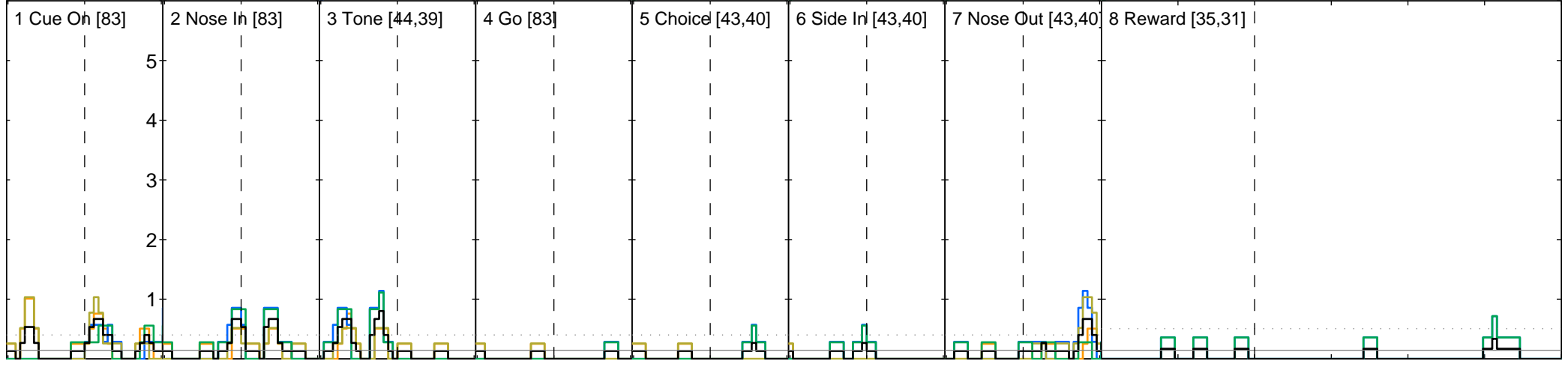
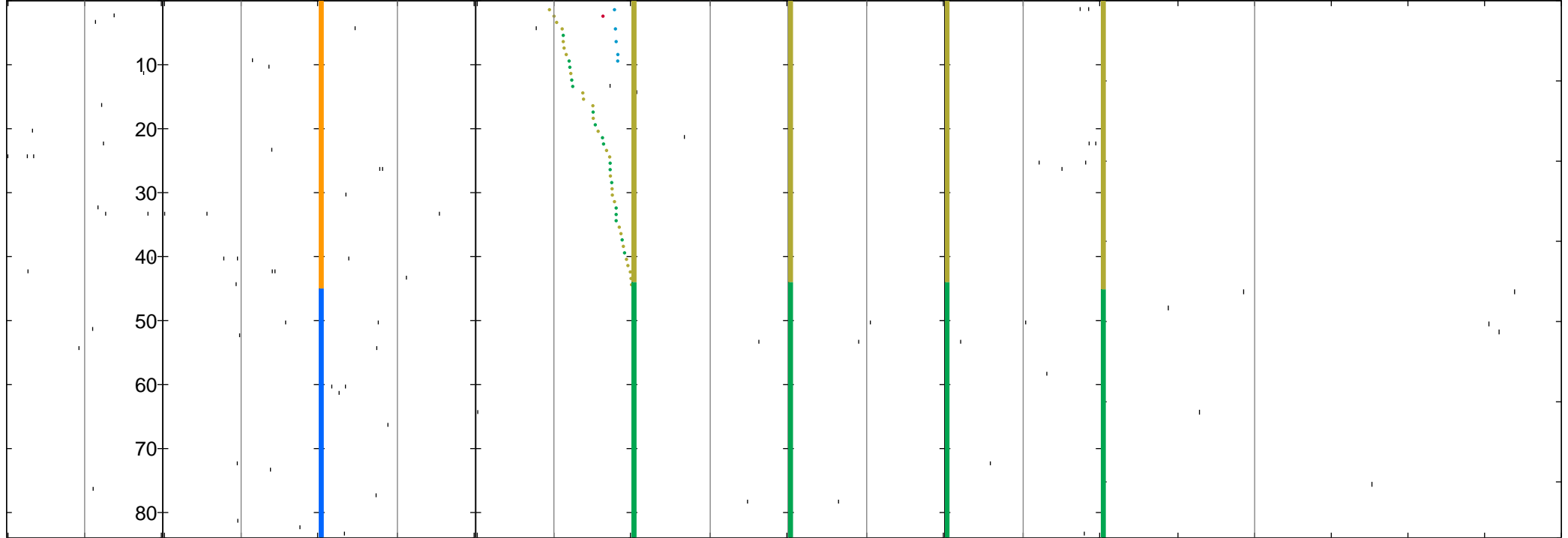
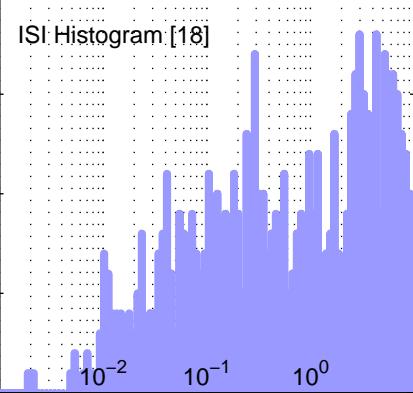
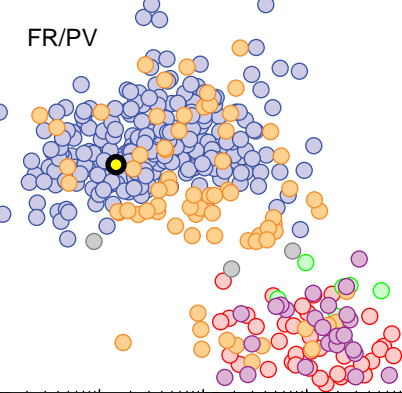
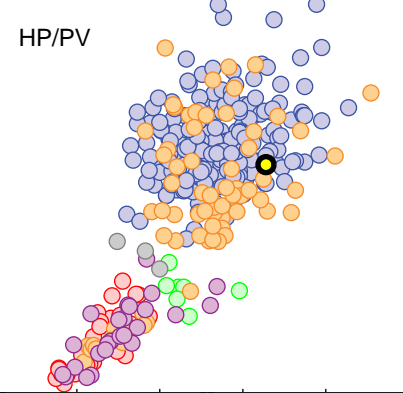
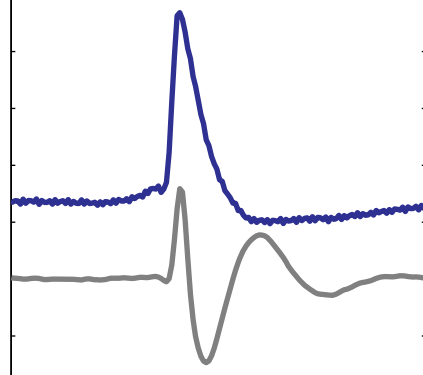
MSN



Cell: C1220071022T05d

AP: 1.4 ML: 2.1 DV: 6.7
w: 3 n: 857 $P_{ISI>2}$: 0.97
1/2pw: 328 μ s p->v: 816 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.145 Hz
Pk Ev: None
Pk FR: --

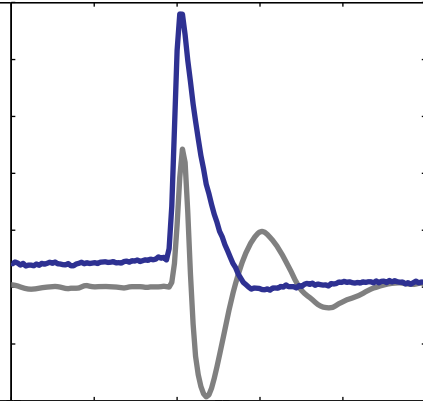
MSN



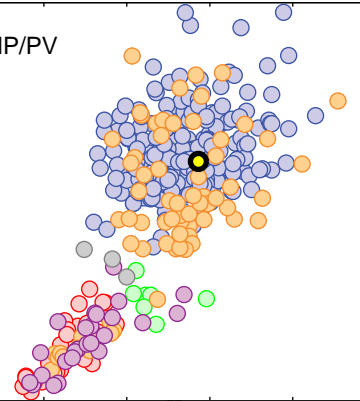
Cell: C1220071022T05e

AP: 1.4 ML: 2.1 DV: 6.7
w: 3 n: 421 $P_{ISI>2}$: 0.99
1/2pw: 286 μ s p->v: 851 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0712 Hz
Pk Ev: None
Pk FR: --

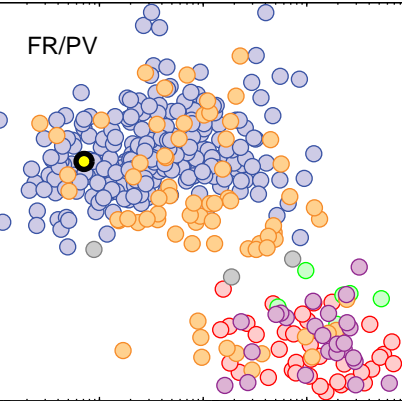
MSN



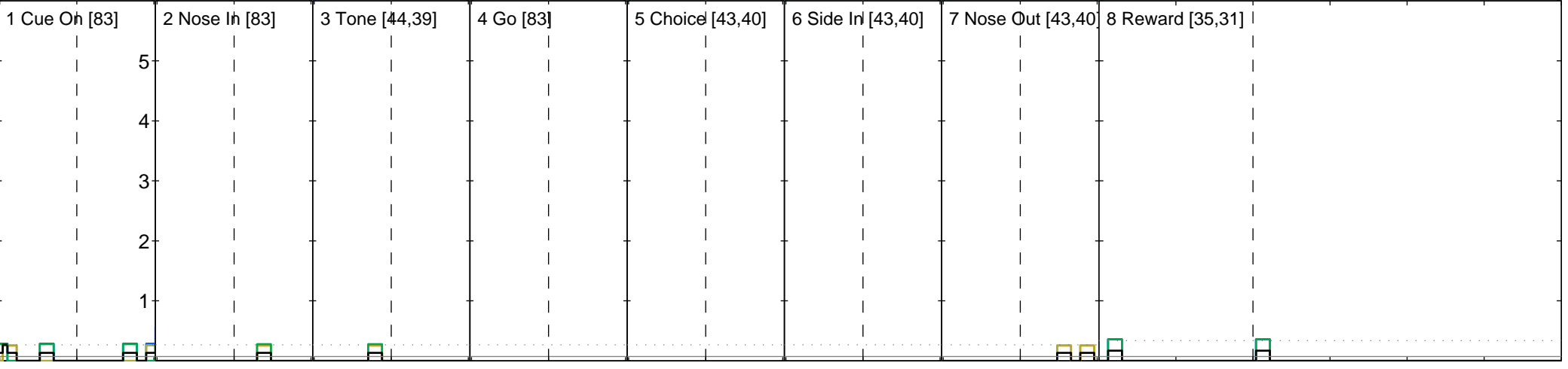
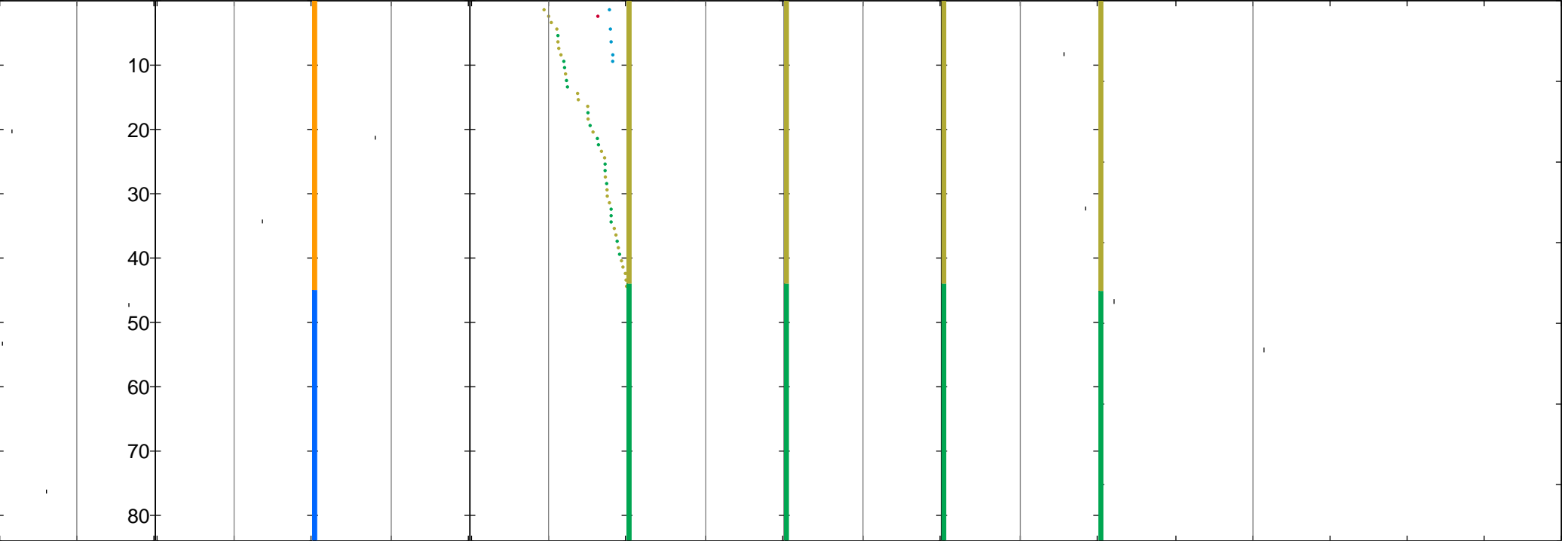
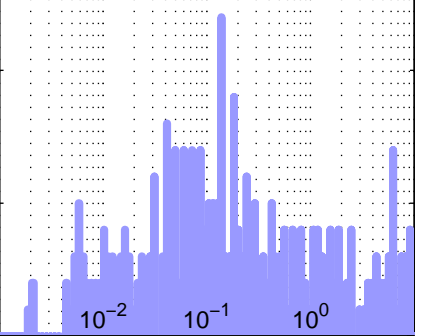
HP/PV



FR/PV



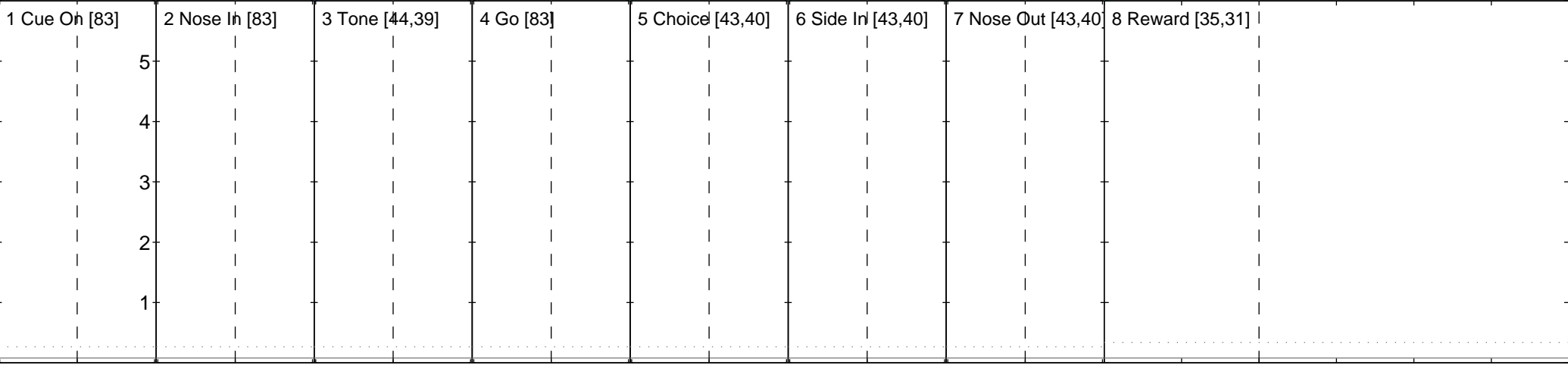
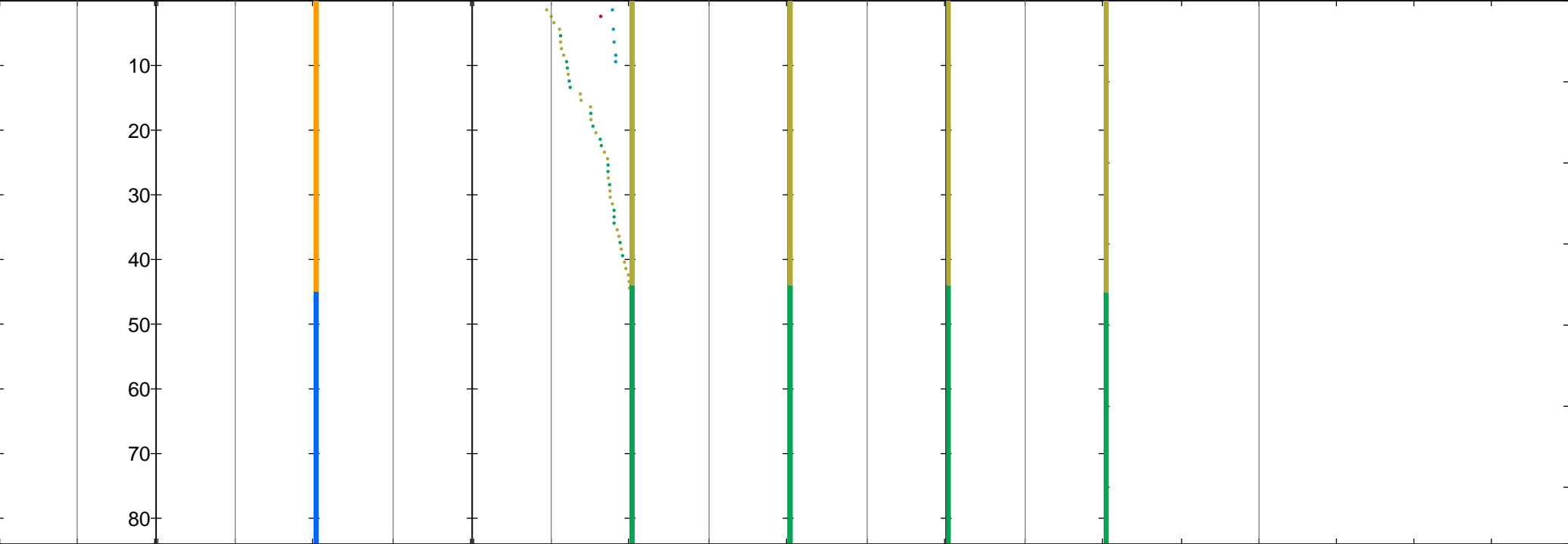
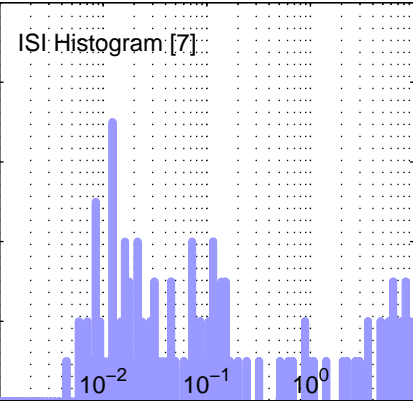
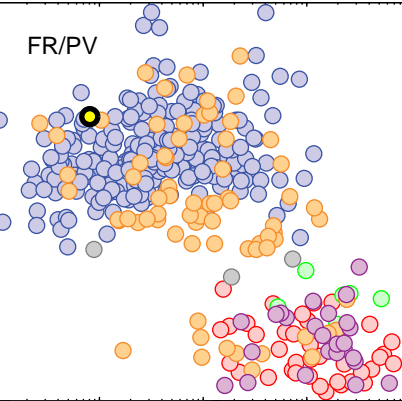
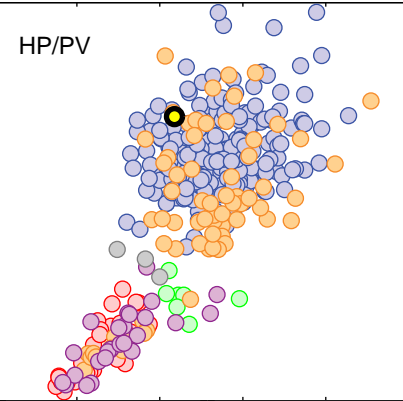
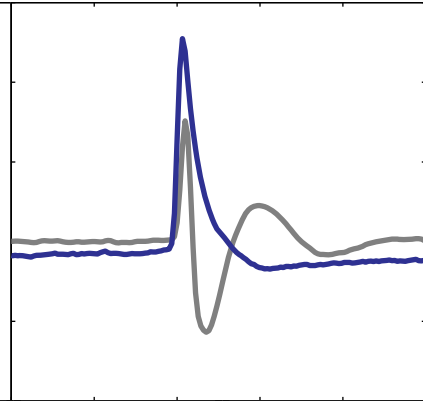
ISI Histogram [12]



Cell: C1220071022T11d

AP: -2.8 ML: 4.2 DV: 6.6
w: 4 n: 141 $P_{ISI>2}$: 0.99
1/2pw: 218 μ s p->v: 992 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0804 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C1220071022T11e

AP: -2.8 ML: 4.2 DV: 6.6

w: 4 n: 1689 $P_{ISI>2}$: 0.95

1/2pw: 346 μ s p->v: 907 μ s

β_T : NaN β_D : NaN

β_P : NaN SI: NaN

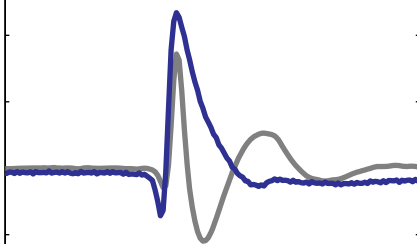
Session FR: 0.287 Hz

Pk Ev: None

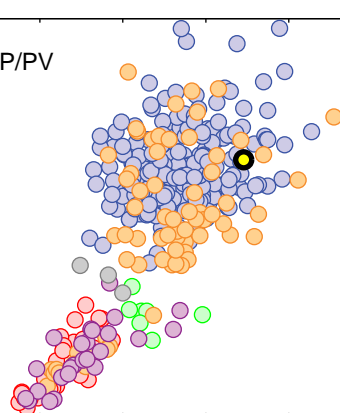
Pk FR: --

MSN

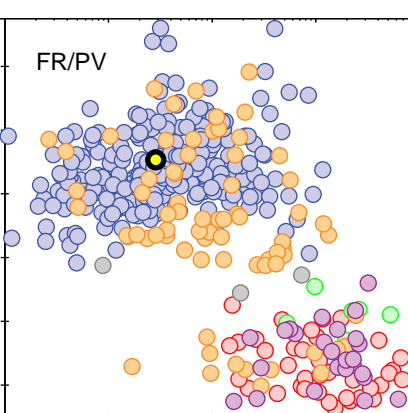
Waveform



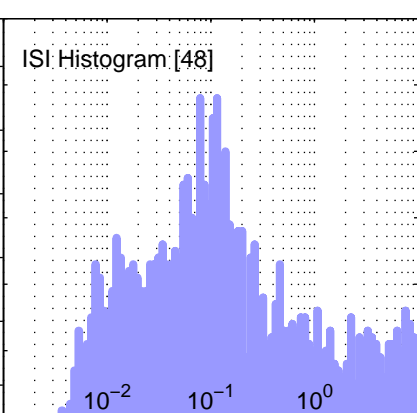
HP/PV



FR/PV



ISI Histogram [48]



10

20

30

40

50

60

70

80

1 Cue On [83]

2 Nose In [83]

3 Tone [44,39]

4 Go [83]

5 Choice [43,40]

6 Side In [43,40]

7 Nose Out [43,40]

8 Reward [35,31]

5

4

3

2

1



Cell: C1220071022T11g

AP: -2.8 ML: 4.2 DV: 6.6

w: 4 n: 1629 $P_{ISI>2}$: 0.921/2pw: 282 μ s p->v: 798 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

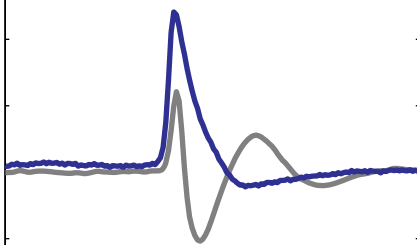
Session FR: 0.276 Hz

Pk Ev: None

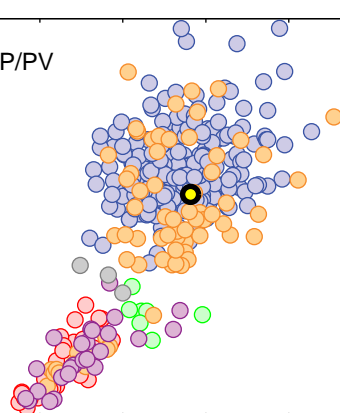
Pk FR: --

MSN

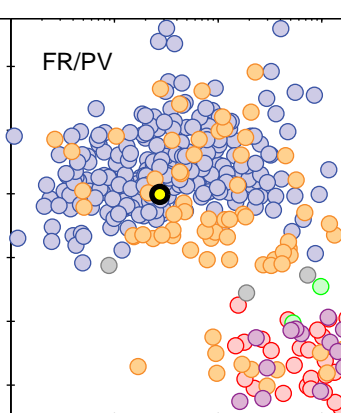
Waveform



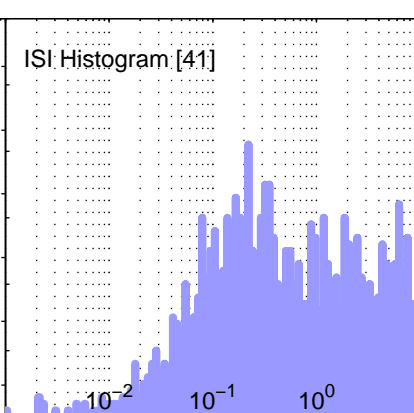
HP/PV



FR/PV



ISI Histogram [41]



10

20

30

40

50

60

70

80

1 Cue On [83]

2 Nose In [83]

3 Tone [44,39]

4 Go [83]

5 Choice [43,40]

6 Side In [43,40]

7 Nose Out [43,40]

8 Reward [35,31]

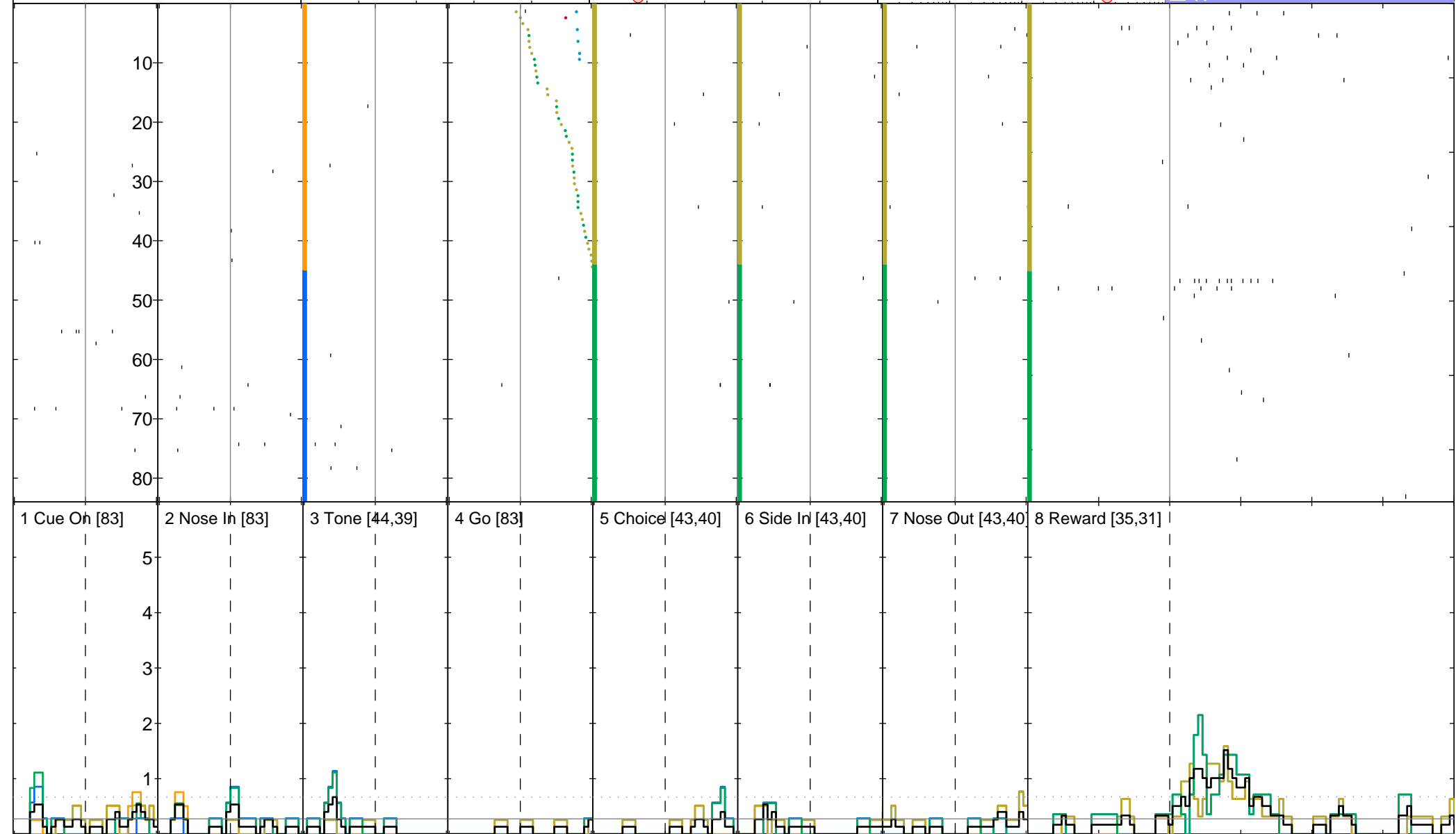
5

4

3

2

1



Cell: C1220071022T11h

AP: -2.8 ML: 4.2 DV: 6.6

w: 1 n: 353 $P_{ISI>2}$: 0.99

1/2pw: 374 μ s p->v: 970 μ s

β_T : NaN β_D : NaN

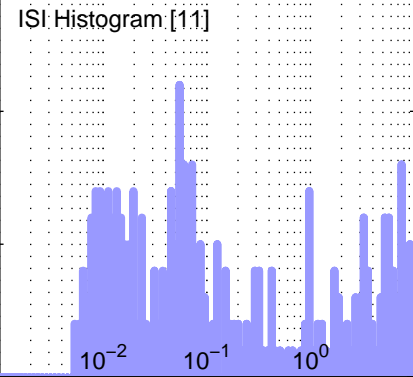
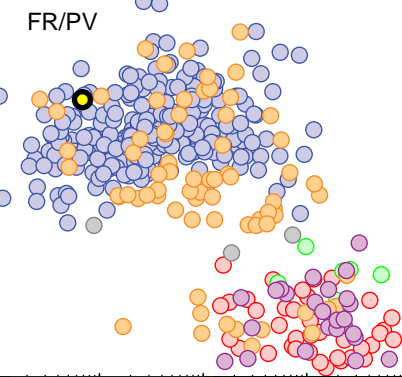
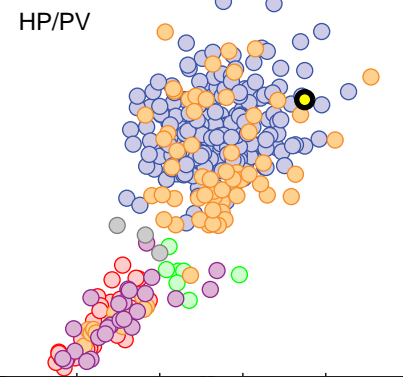
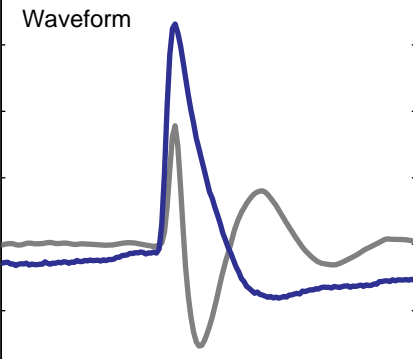
β_P : NaN SI: NaN

Session FR: 0.0683 Hz

Pk Ev: None

Pk FR: --

MSN



10
20
30
40
50
60
70
80

1 Cue On [83] 2 Nose In [83] 3 Tone [44,39] 4 Go [83] 5 Choice [43,40] 6 Side In [43,40] 7 Nose Out [43,40] 8 Reward [35,31]

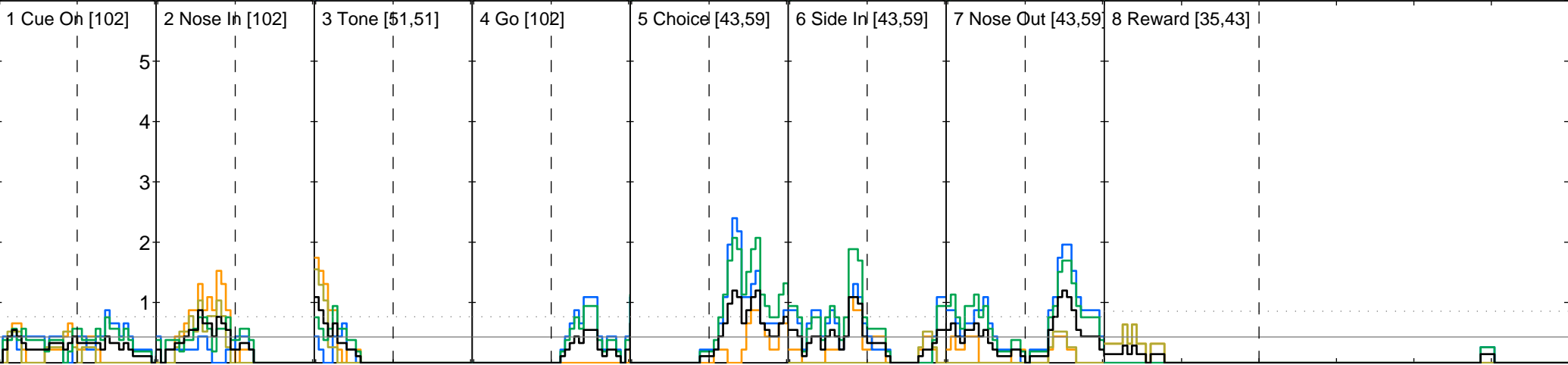
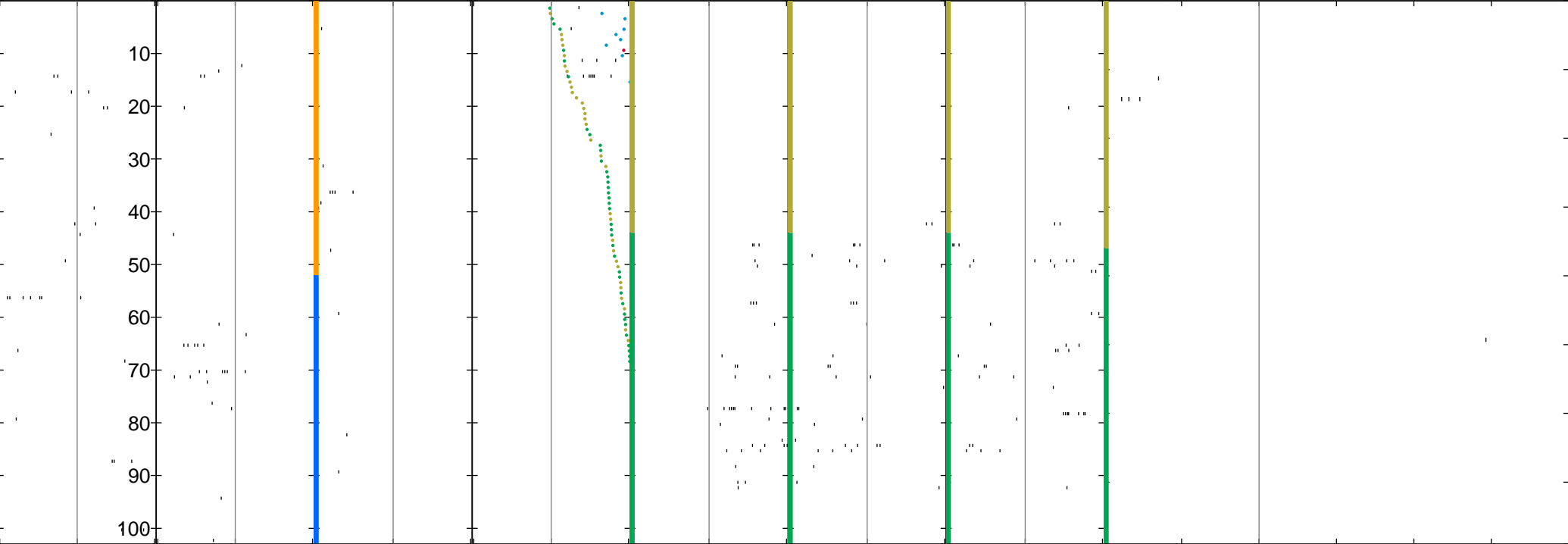
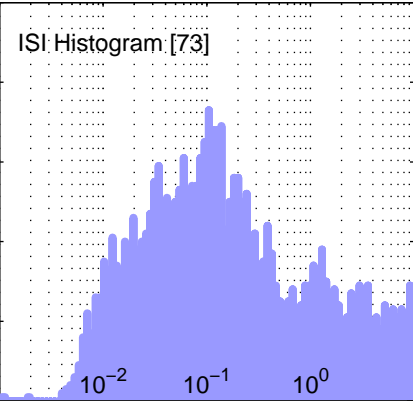
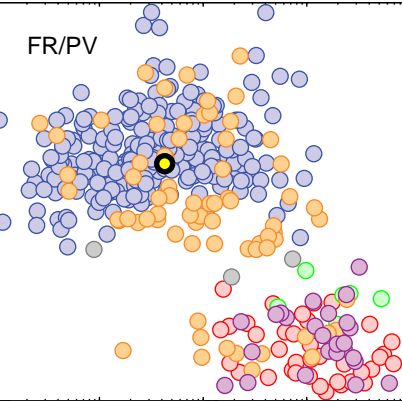
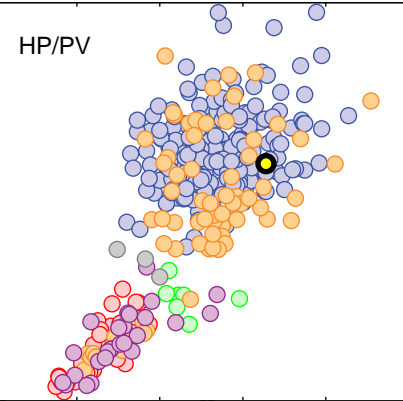
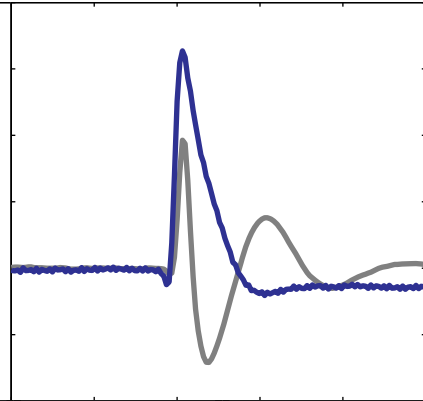
5
4
3
2
1



Cell: C1220071024T05b

AP: 1.4 ML: 2.1 DV: 6.9
w: 3 n: 3151 $P_{ISI>2}$: 0.91
1/2pw: 328 μ s p->v: 845 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.428 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C1220071024T05c

AP: 1.4 ML: 2.1 DV: 6.9

w: 4 n: 1426 $P_{ISI>2}$: 0.96

1/2pw: 360 μ s p \rightarrow v: 826 μ s

β_T : NaN β_D : NaN

β_P : NaN SI: NaN

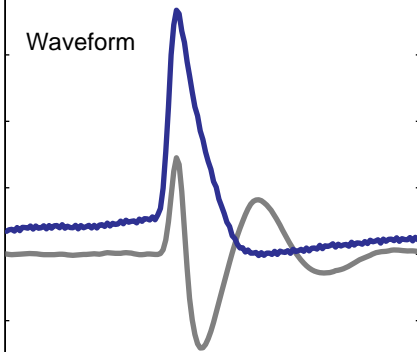
Session FR: 0.194 Hz

Pk Ev: None

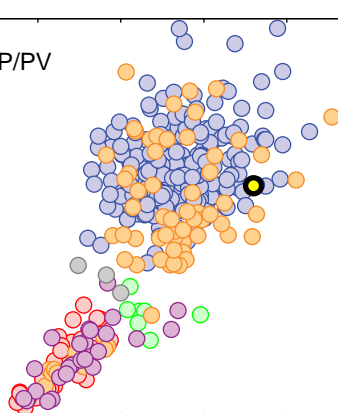
Pk FR: --

MSN

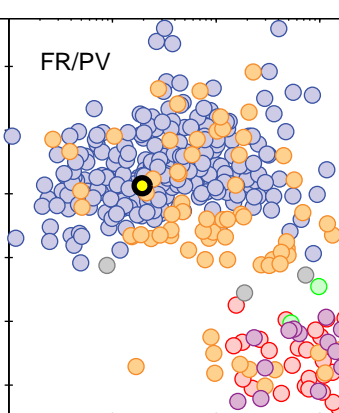
Waveform



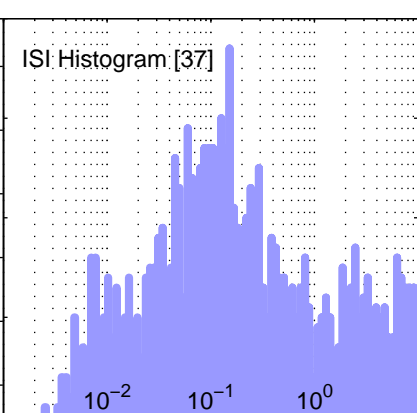
HP/PV



FR/PV



ISI Histogram [37]



10
20
30
40
50
60
70
80
90
100

1 Cue On [102]

2 Nose In [102]

3 Tone [51,51]

4 Go [102]

5 Choice [43,59]

6 Side In [43,59]

7 Nose Out [43,59]

8 Reward [35,43]

5
4
3
2



Cell: C1220071024T11b

AP: -2.8 ML: 4.2 DV: 6.7

w: 3 n: 2016 $P_{ISI>2}$: 0.92

1/2pw: 312 μ s p->v: 883 μ s

β_T : NaN β_D : NaN

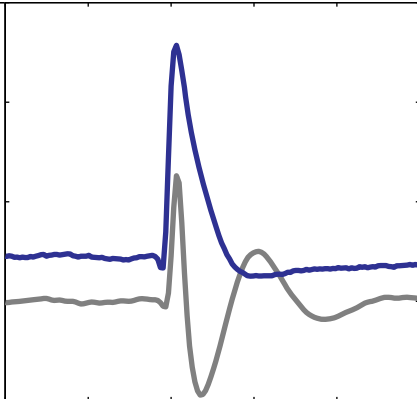
β_P : NaN SI: NaN

Session FR: 0.274 Hz

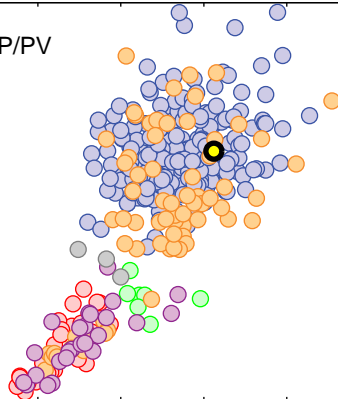
Pk Ev: None

Pk FR: --

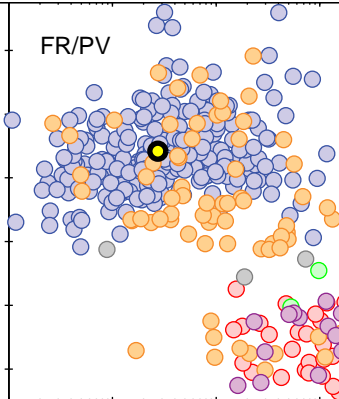
MSN



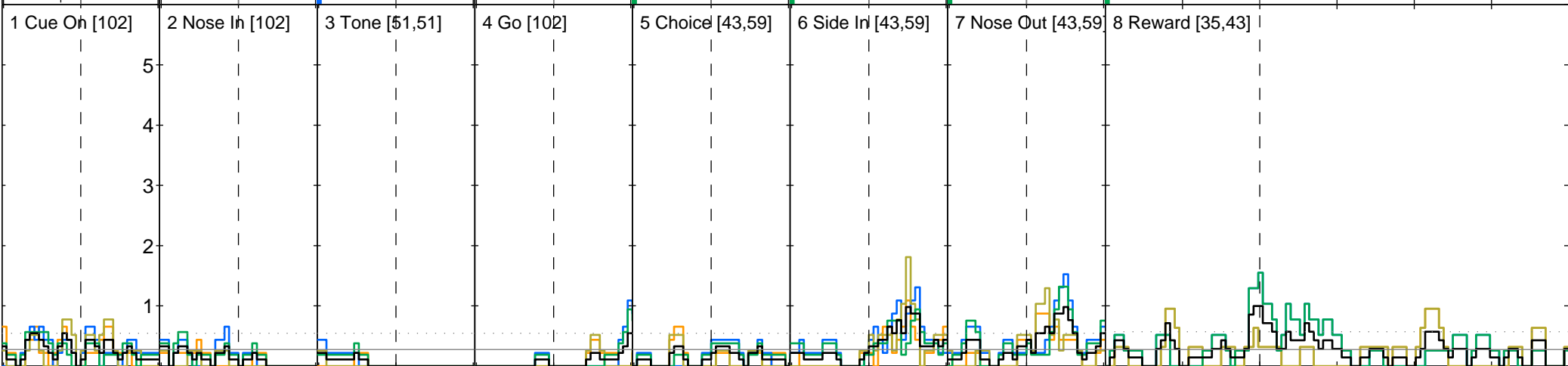
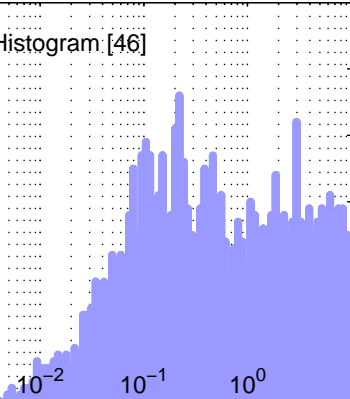
HP/PV



FR/PV



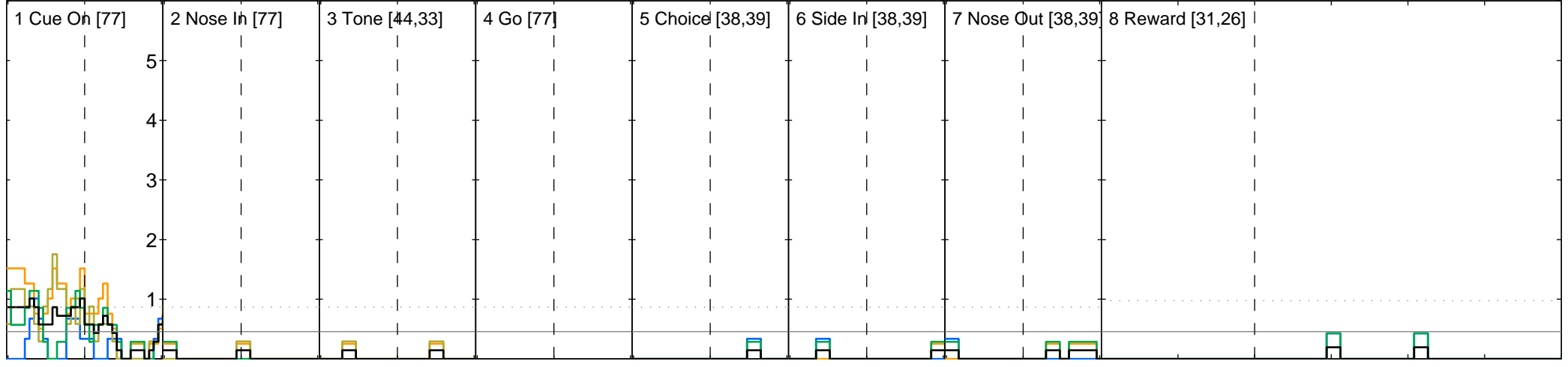
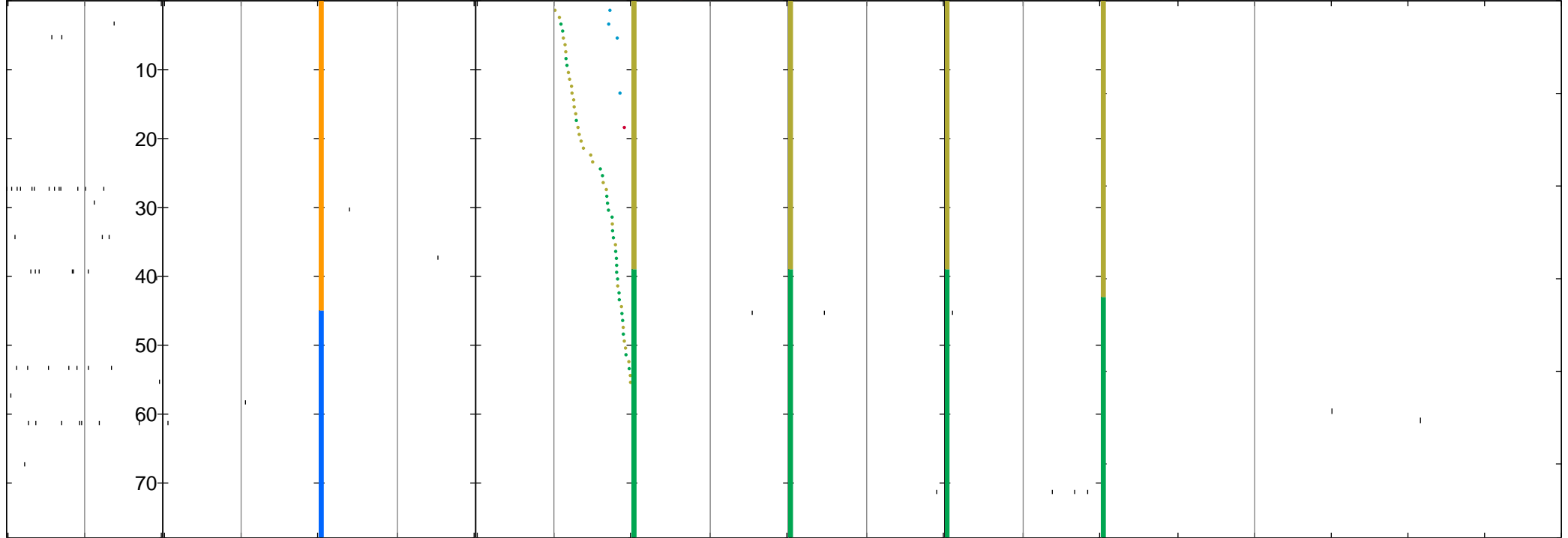
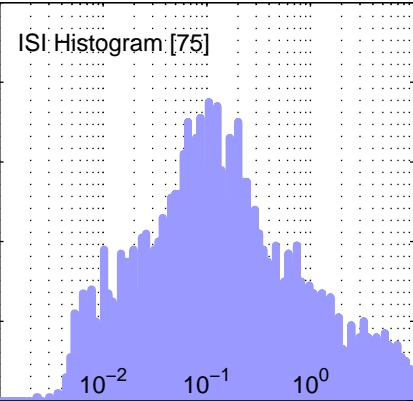
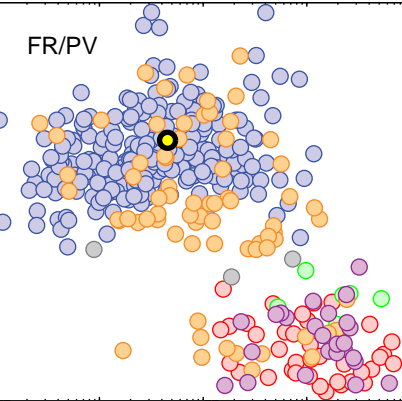
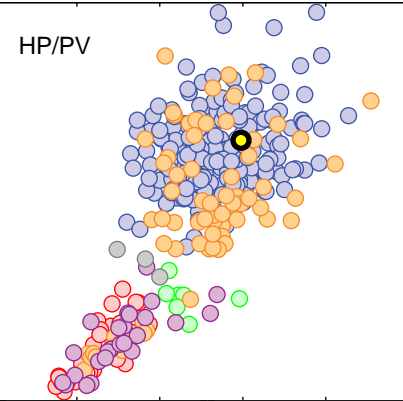
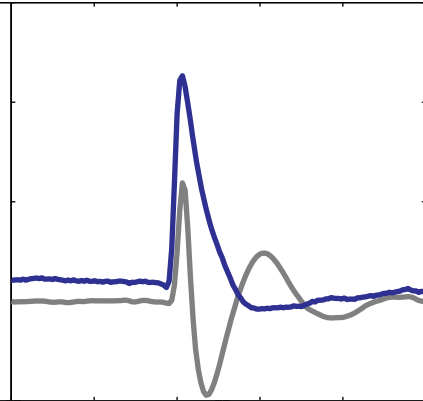
ISI Histogram [46]



Cell: C1220071025T11c

AP: -2.8 ML: 4.2 DV: 6.8
w: 3 n: 2980 $P_{ISI>2}$: 0.9
1/2pw: 298 μ s p->v: 918 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.455 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C1220071025T11d

AP: -2.8 ML: 4.2 DV: 6.8

w: 1 n: 1885 $P_{ISI>2}$: 0.93

1/2pw: 288 μ s p->v: 781 μ s

β_T : NaN β_D : NaN

β_P : NaN SI: NaN

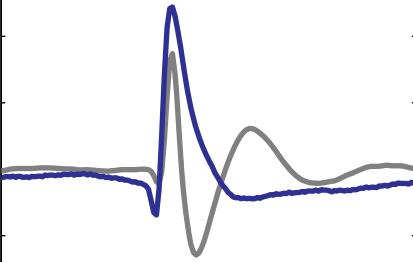
Session FR: 0.28 Hz

Pk Ev: None

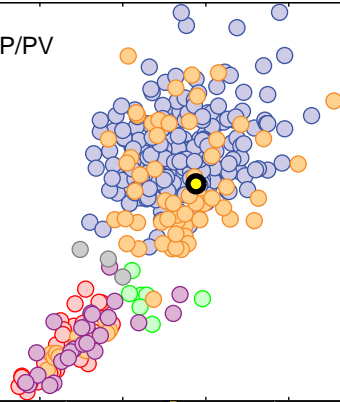
Pk FR: --

MSN

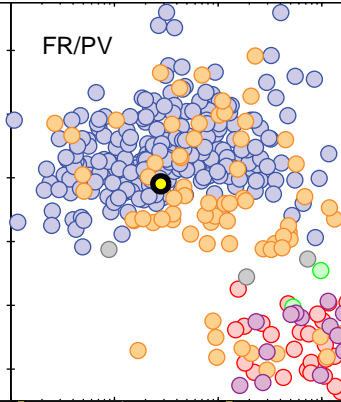
Waveform



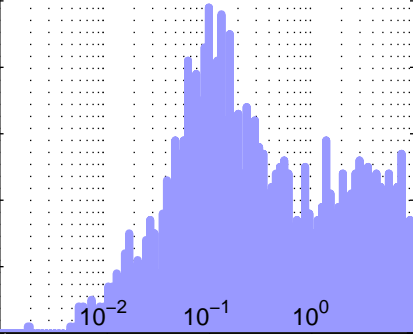
HP/PV



FR/PV



ISI Histogram [49]



10

20

30

40

50

60

70

1 Cue On [77]

2 Nose In [77]

3 Tone [44,33]

4 Go [77]

5 Choice [38,39]

6 Side In [38,39]

7 Nose Out [38,39]

8 Reward [31,26]

5

4

3

2

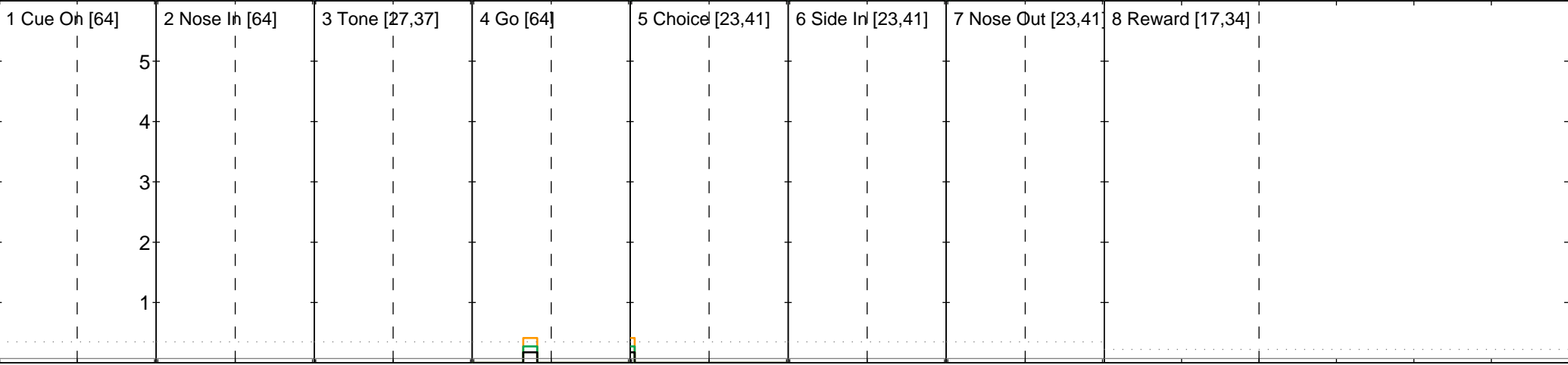
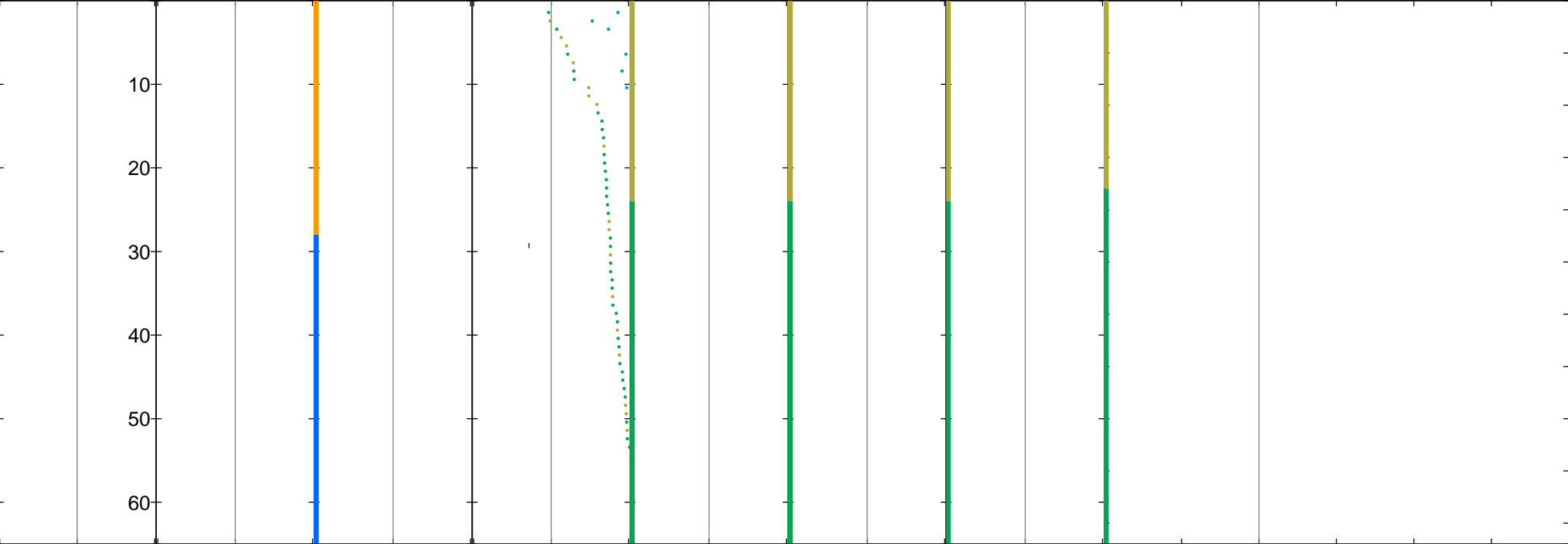
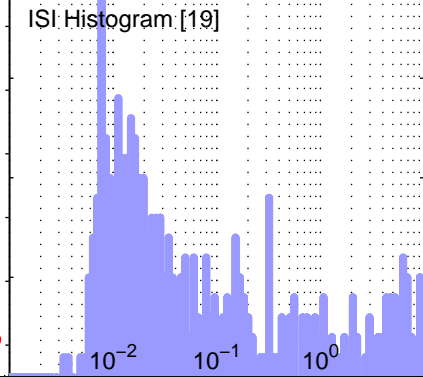
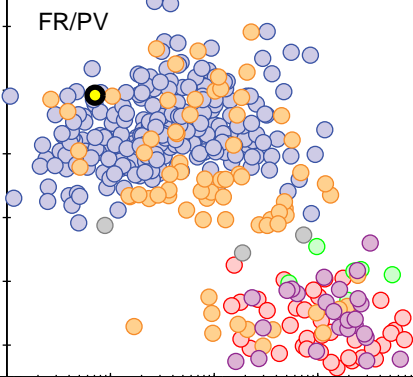
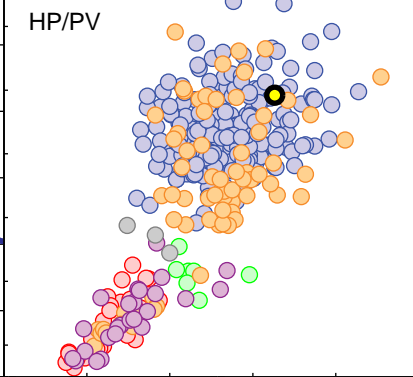
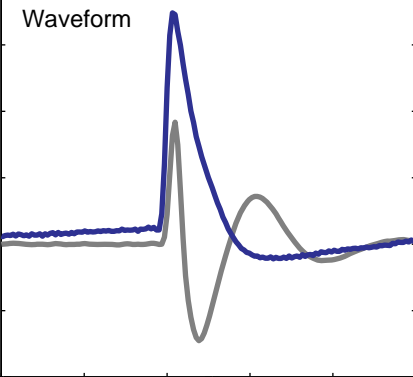
1



Cell: C1220071027T05a

AP: 1.4 ML: 2.1 DV: 6.9
w: 2 n: 445 $P_{ISI>2}$: 0.99
1/2pw: 326 μ s p->v: 984 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0709 Hz
Pk Ev: None
Pk FR: --

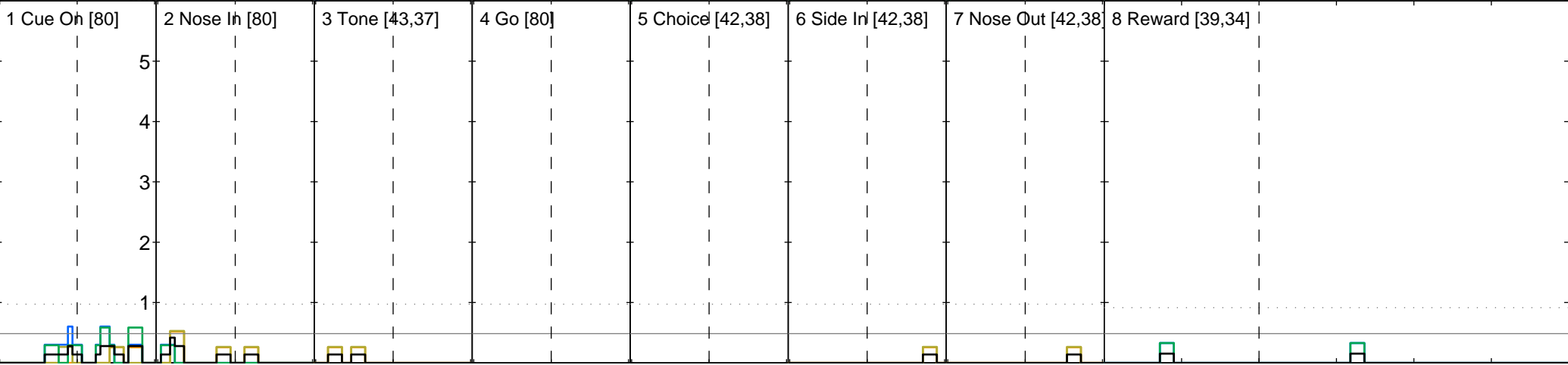
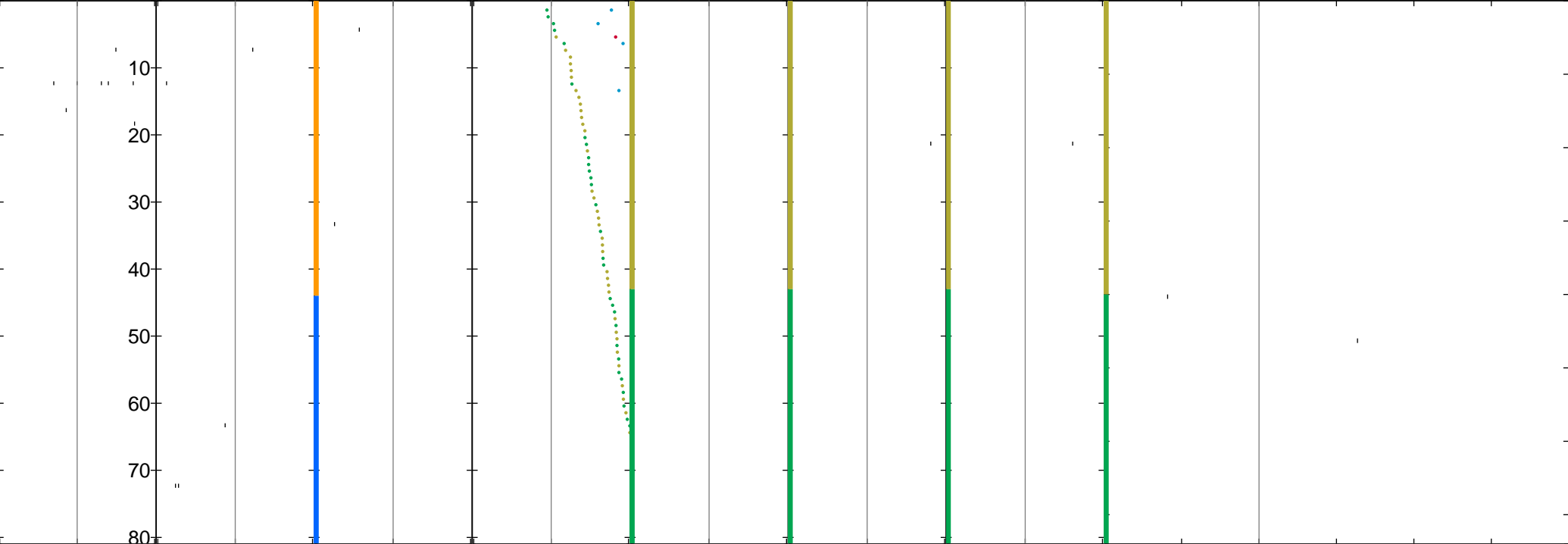
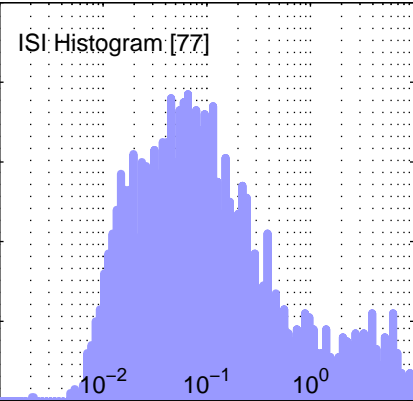
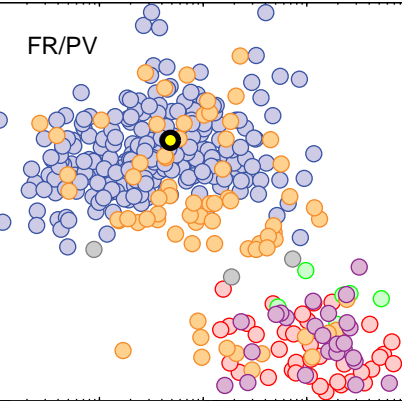
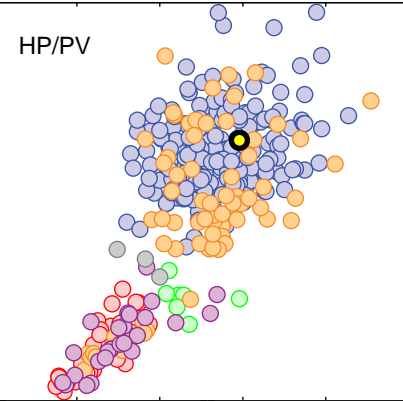
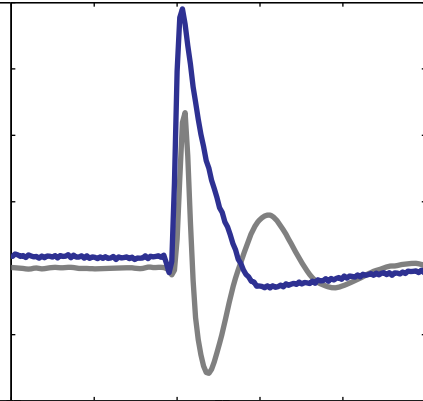
MSN



Cell: C1220071114T05a

AP: 1.4 ML: 2.1 DV: 7.2
w: 4 n: 2881 $P_{ISI>2}$: 0.92
1/2pw: 296 μ s p->v: 918 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.485 Hz
Pk Ev: None
Pk FR: --

MSN

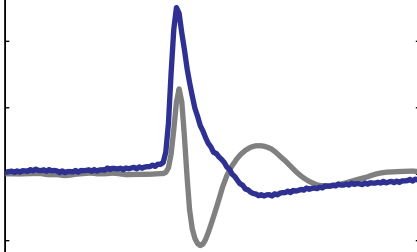


Cell: C1220071114T05b

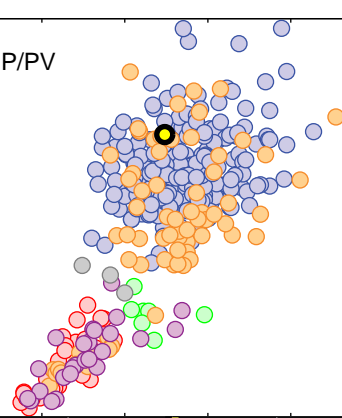
AP: 1.4 ML: 2.1 DV: 7.2
w: 2 n: 1151 $P_{ISI>2}$: 0.95
1/2pw: 248 μ s p->v: 986 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.189 Hz
Pk Ev: None
Pk FR: --

MSN

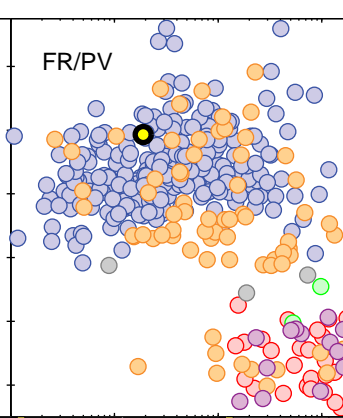
Waveform



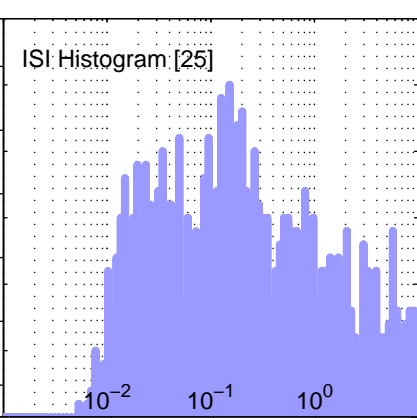
HP/PV



FR/PV



ISI Histogram [25]



10

20

30

40

50

60

70

80

1 Cue On [80]

2 Nose In [80]

3 Tone [43,37]

4 Go [80]

5 Choice [42,38]

6 Side In [42,38]

7 Nose Out [42,38]

8 Reward [39,34]

5

4

3

2

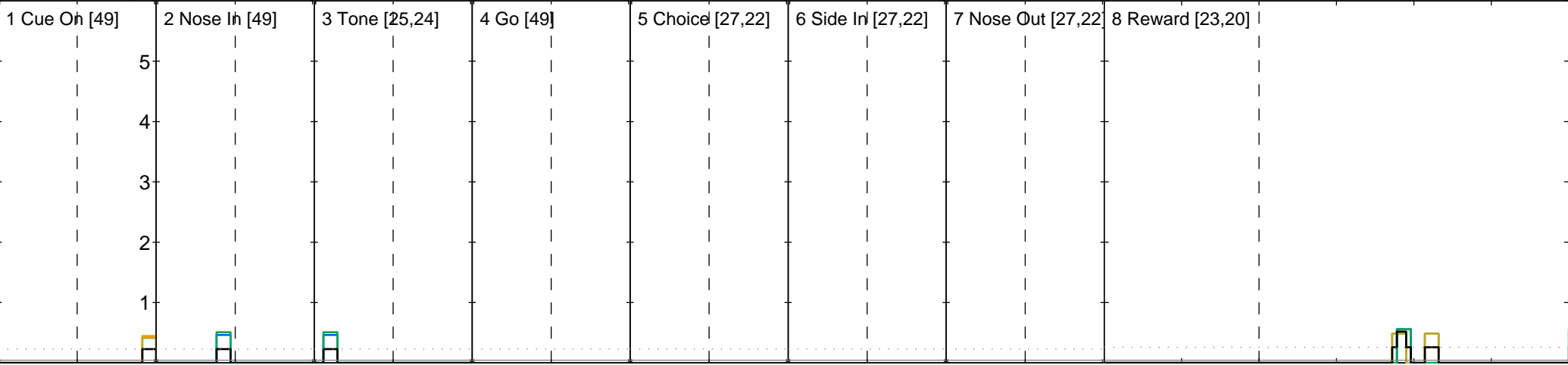
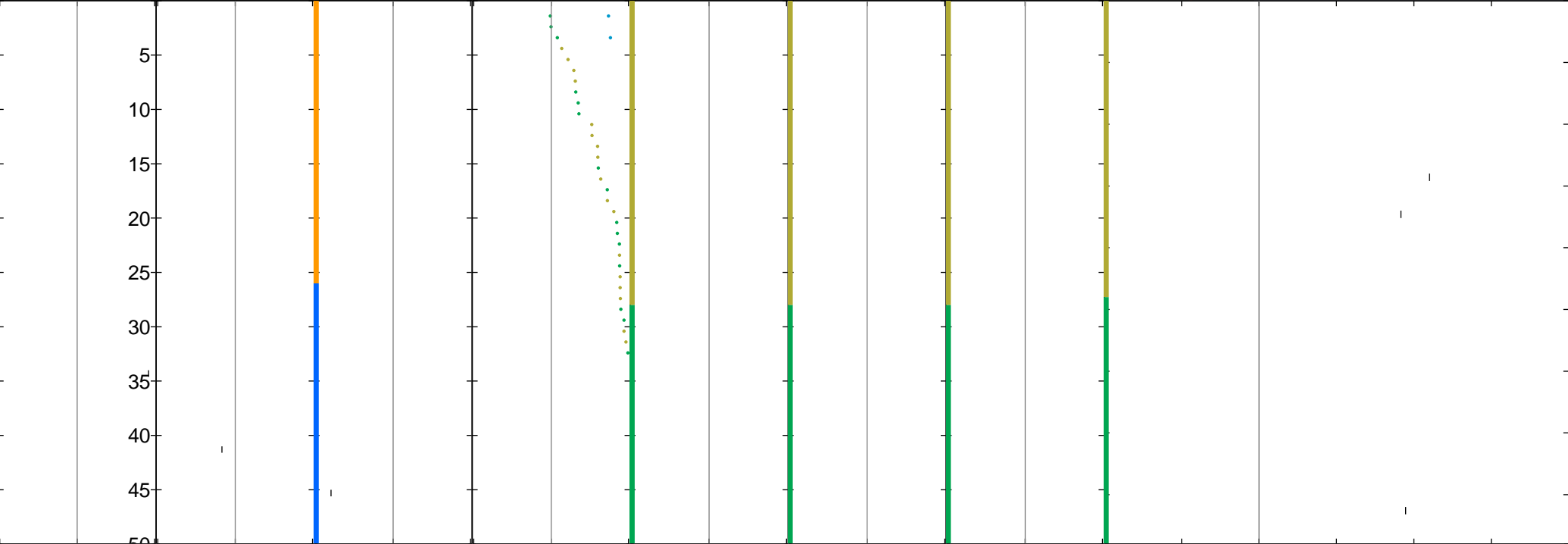
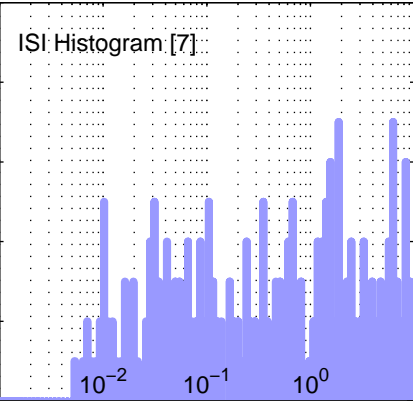
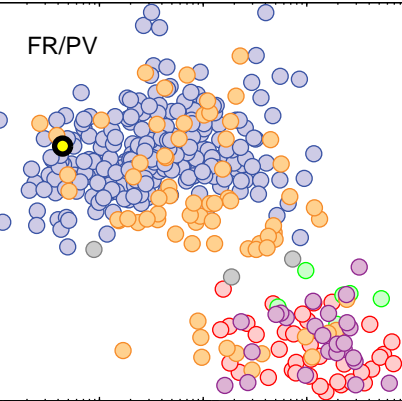
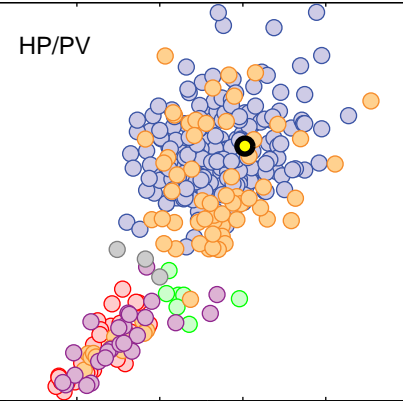
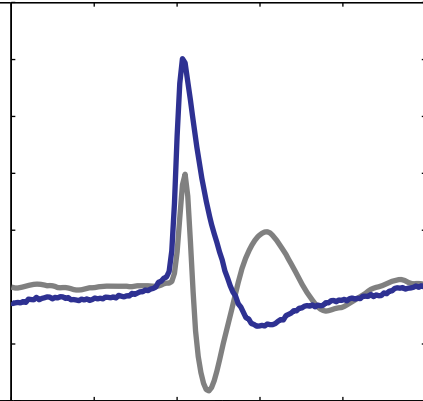
1



Cell: C1220071115T05a

AP: 1.4 ML: 2.1 DV: 7.3
w: 3 n: 309 $P_{ISI>2}$: 0.99
1/2pw: 302 μ s p->v: 899 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0441 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C1220071115T05b

AP: 1.4 ML: 2.1 DV: 7.3

w: 4 n: 1416 $P_{ISI>2}$: 0.941/2pw: 336 μ s p->v: 990 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

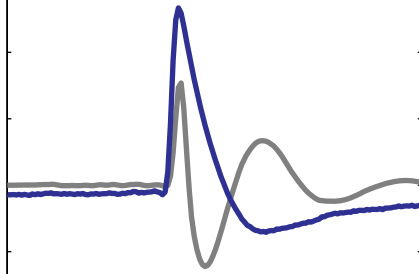
Session FR: 0.202 Hz

Pk Ev: None

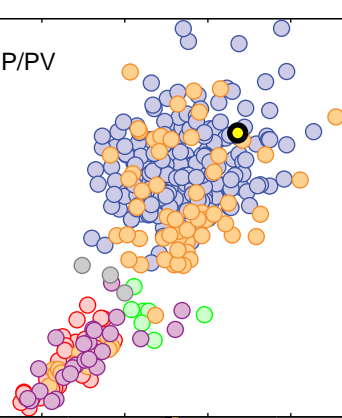
Pk FR: --

MSN

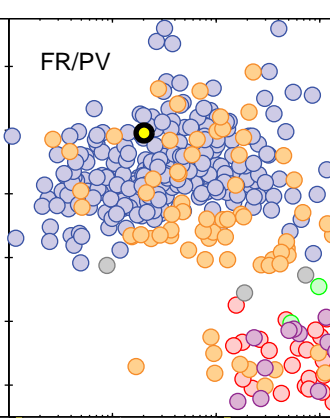
Waveform



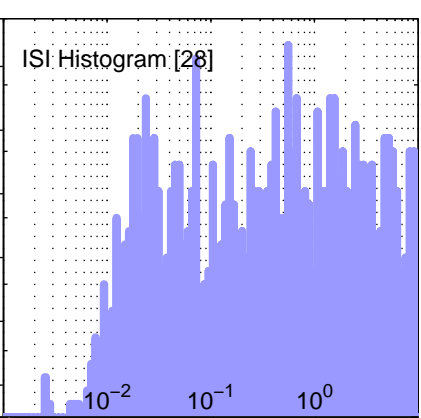
HP/PV



FR/PV



ISI Histogram [28]

5
10
15
20
25
30
35
40
45
50

1 Cue On [49]

2 Nose In [49]

3 Tone [25,24]

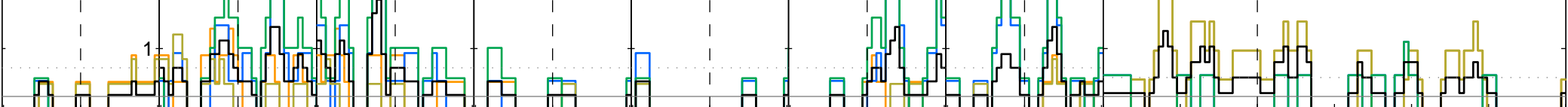
4 Go [49]

5 Choice [27,22]

6 Side In [27,22]

7 Nose Out [27,22]

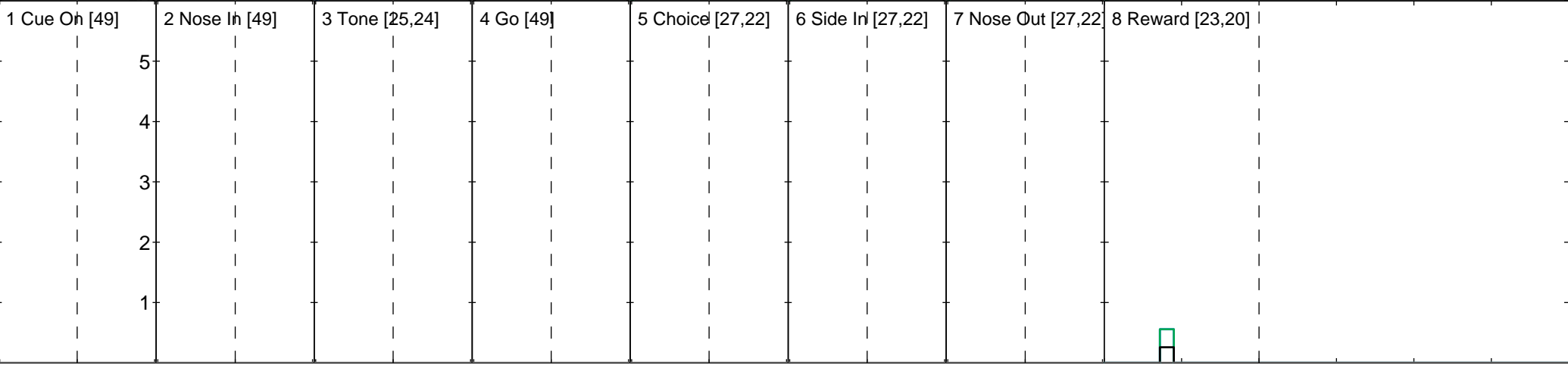
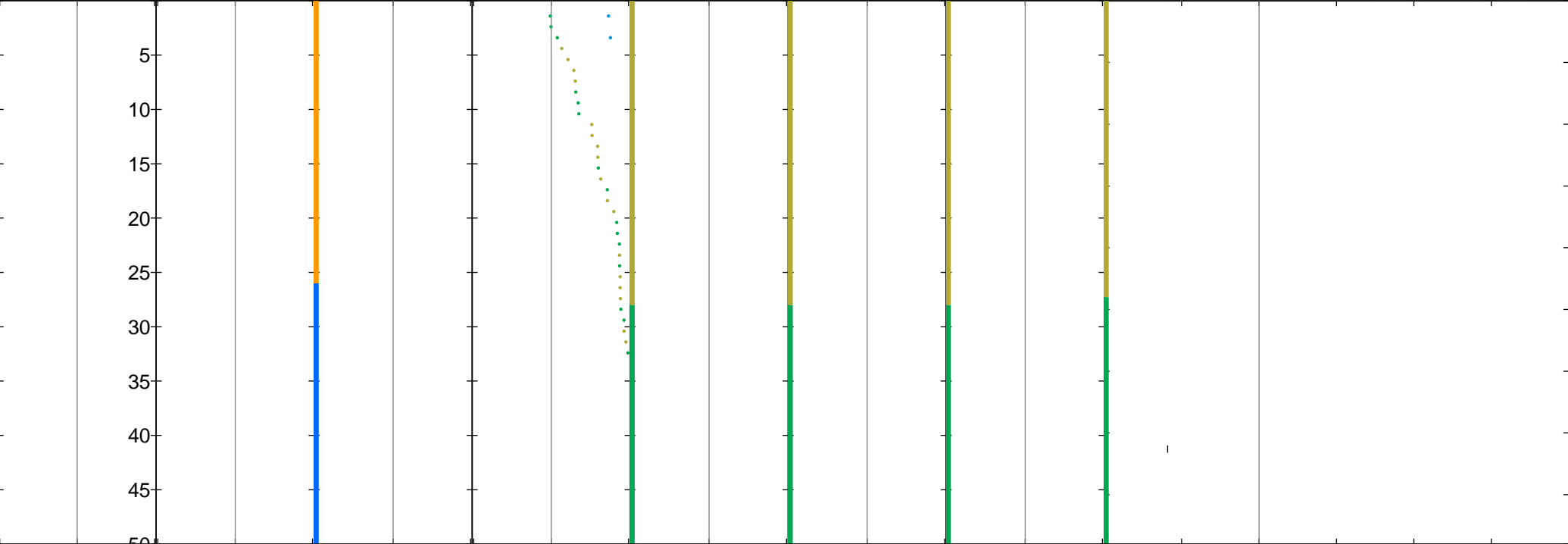
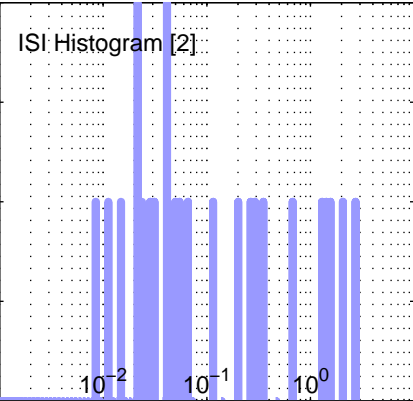
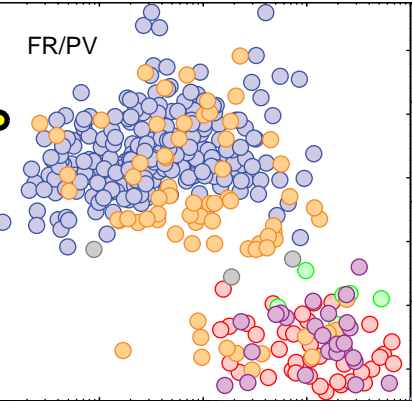
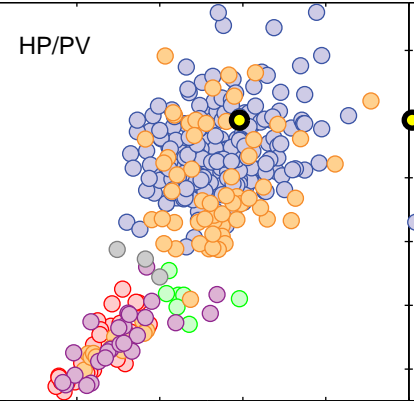
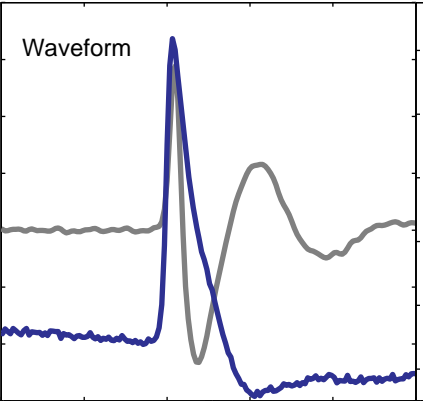
8 Reward [23,20]

5
4
3
2
1

Cell: C1220071115T05c

AP: 1.4 ML: 2.1 DV: 7.3
w: 2 n: 47 $P_{ISI>2}$: 1
1/2pw: 296 μ s p->v: 981 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0108 Hz
Pk Ev: None
Pk FR: --

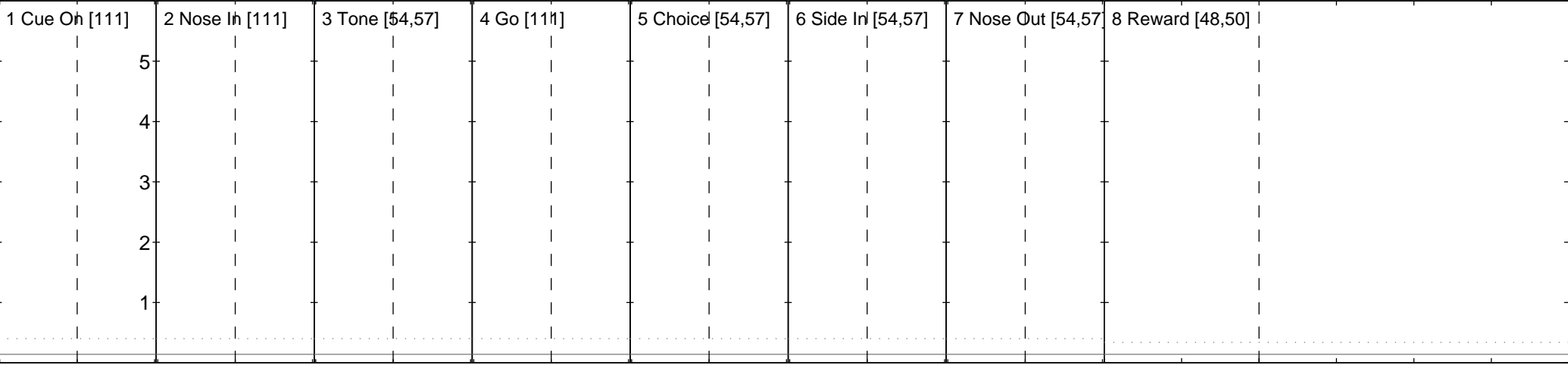
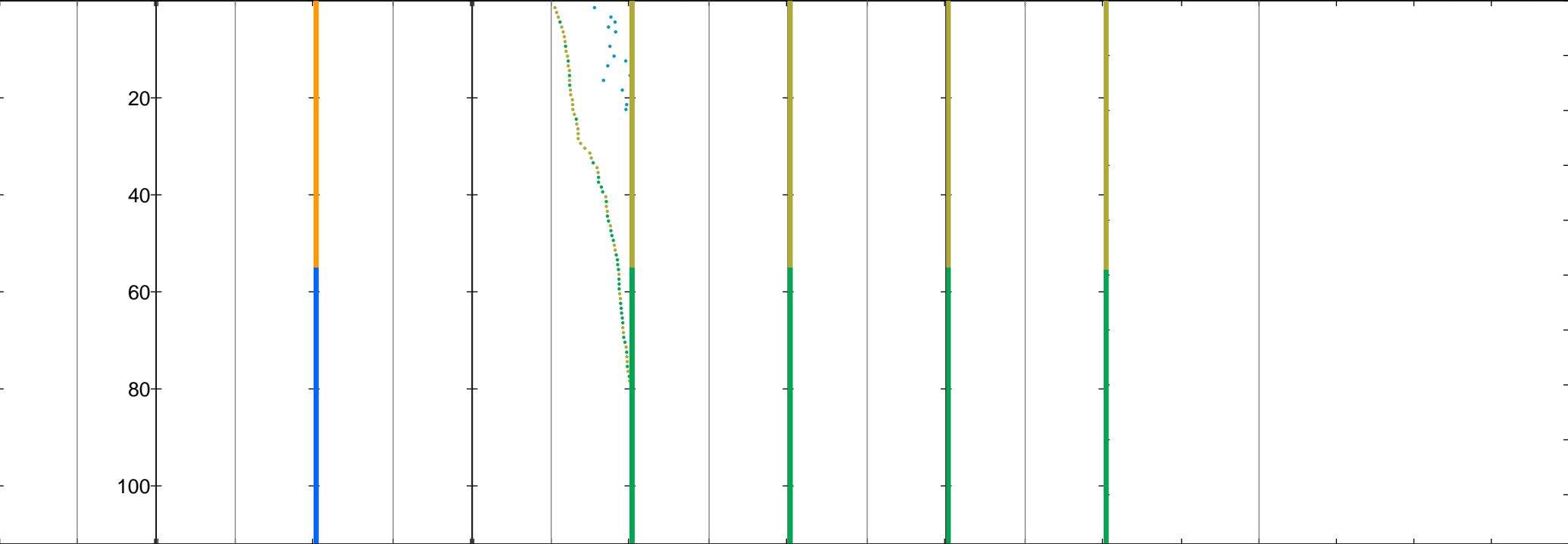
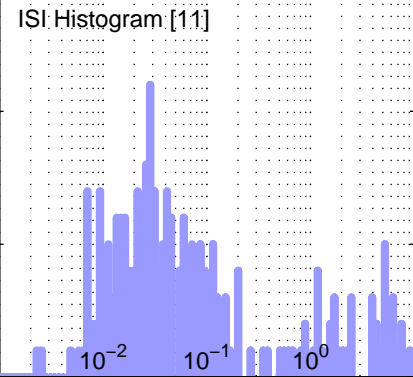
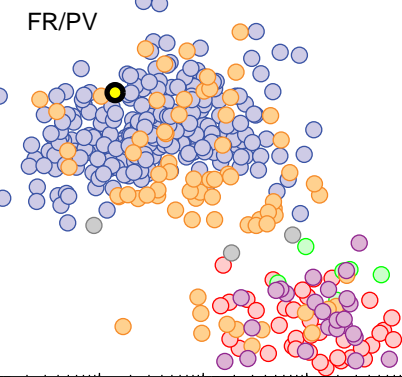
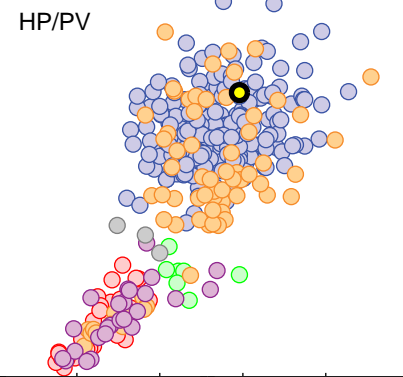
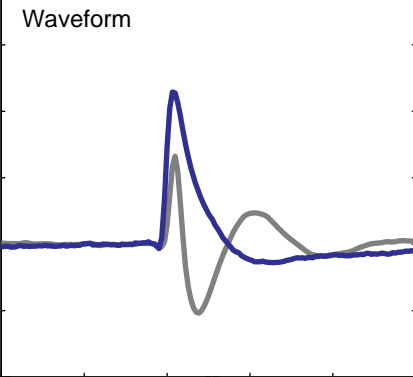
MSN



Cell: C1220071126T05a

AP: 1.4 ML: 2.1 DV: 8.1
w: 3 n: 250 $P_{ISI>2}$: 0.98
1/2pw: 296 μ s p->v: 992 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.142 Hz
Pk Ev: None
Pk FR: --

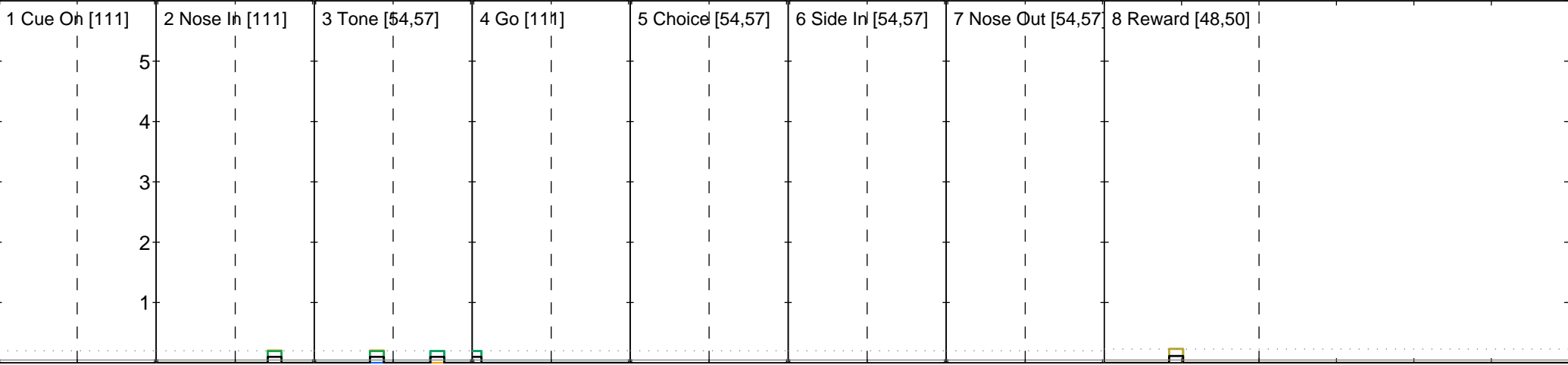
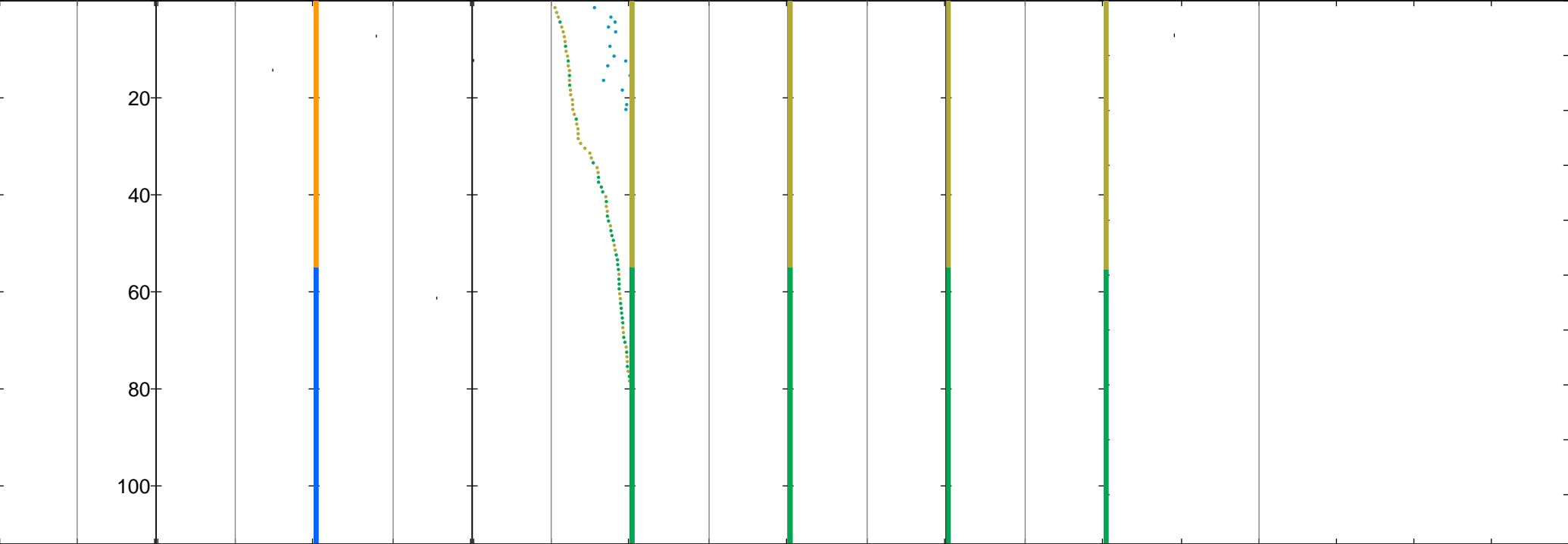
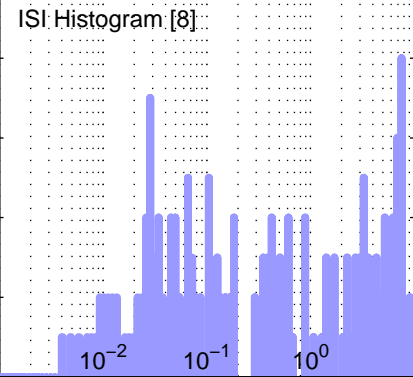
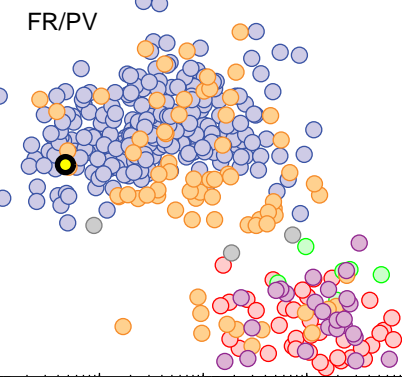
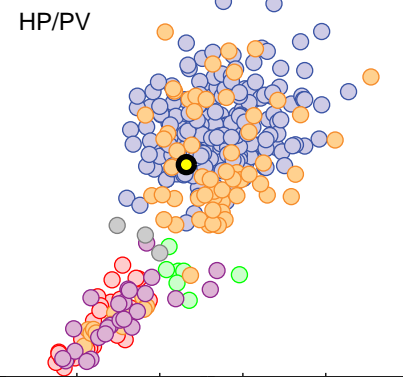
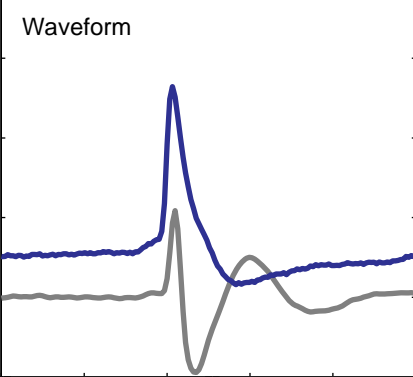
MSN



Cell: C1220071126T05b

AP: 1.4 ML: 2.1 DV: 8.1
w: 2 n: 242 $P_{ISI>2}$: 0.99
1/2pw: 232 μ s p->v: 766 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0471 Hz
Pk Ev: None
Pk FR: --

MSN



Cell: C0320070625T09a

AP: 1.6 ML: 3.7 DV: 5.5

w: 1 n: 101480 $P_{ISI>2}$: 0.0016

1/2pw: 222 μ s p \rightarrow v: 432 μ s

β_T : -3 β_D : -3.3

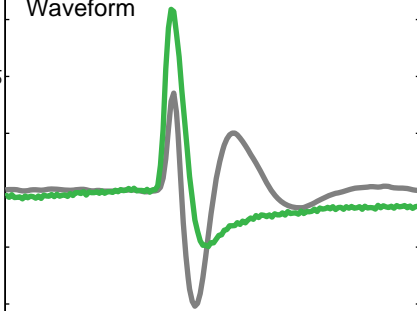
β_P : 3.1 SI: -0.28

Session FR: 23 Hz

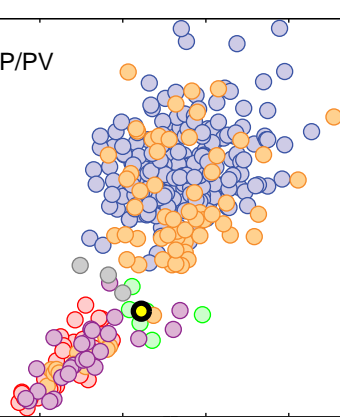
Pk Ev: 2 - Nose in (Tone1)

Pk FR: 49.8Hz (0.09s) ○

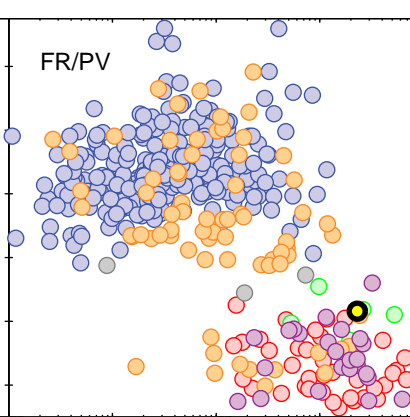
Waveform



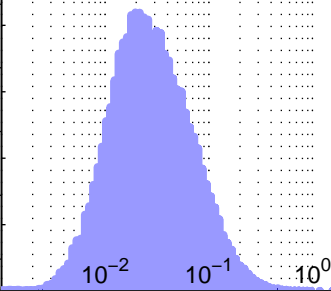
HP/PV



FR/PV



ISI Histogram [4194]



1 Cue On [107]

2 Nose In [107]

3 Tone [54,53]

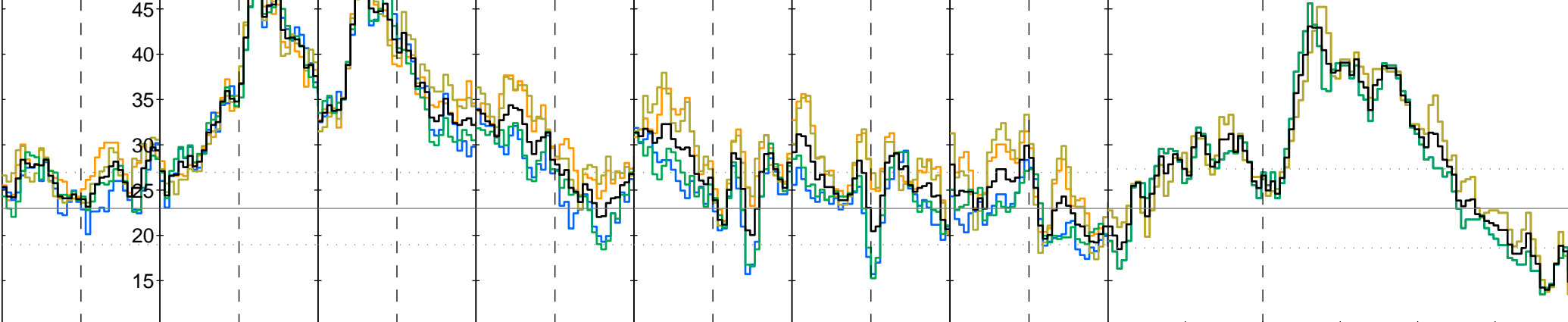
4 Go [107]

5 Choice [48,59]

6 Side In [48,59]

7 Nose Out [48,59]

8 Reward [42,47]



Cell: C0520070402R02b

AP: 0.24 ML: 4 DV: 6.2

w: 2 n: 88997 $P_{ISI>2}$: 0.023

1/2pw: 235 μ s p \rightarrow v: 341 μ s

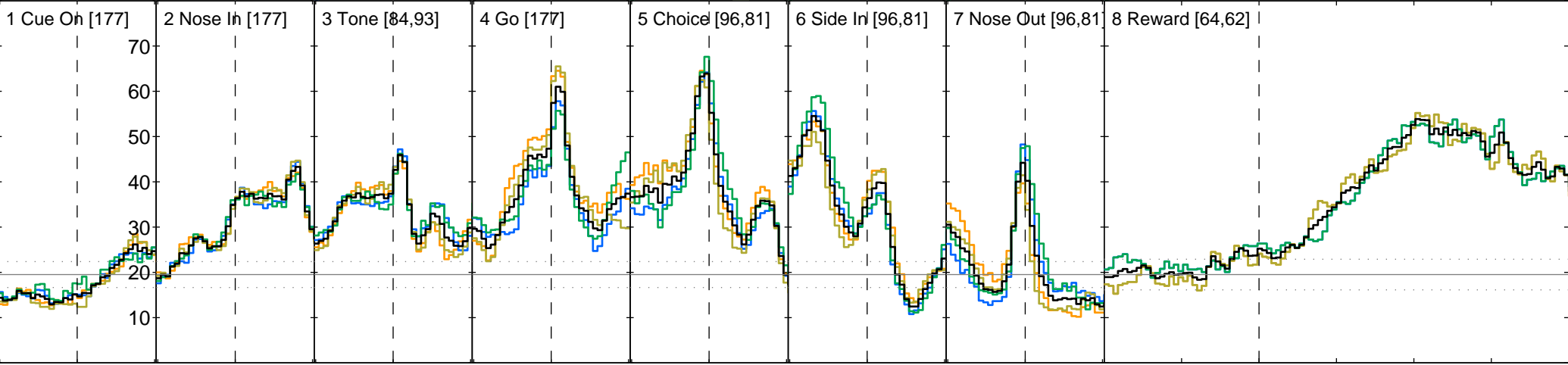
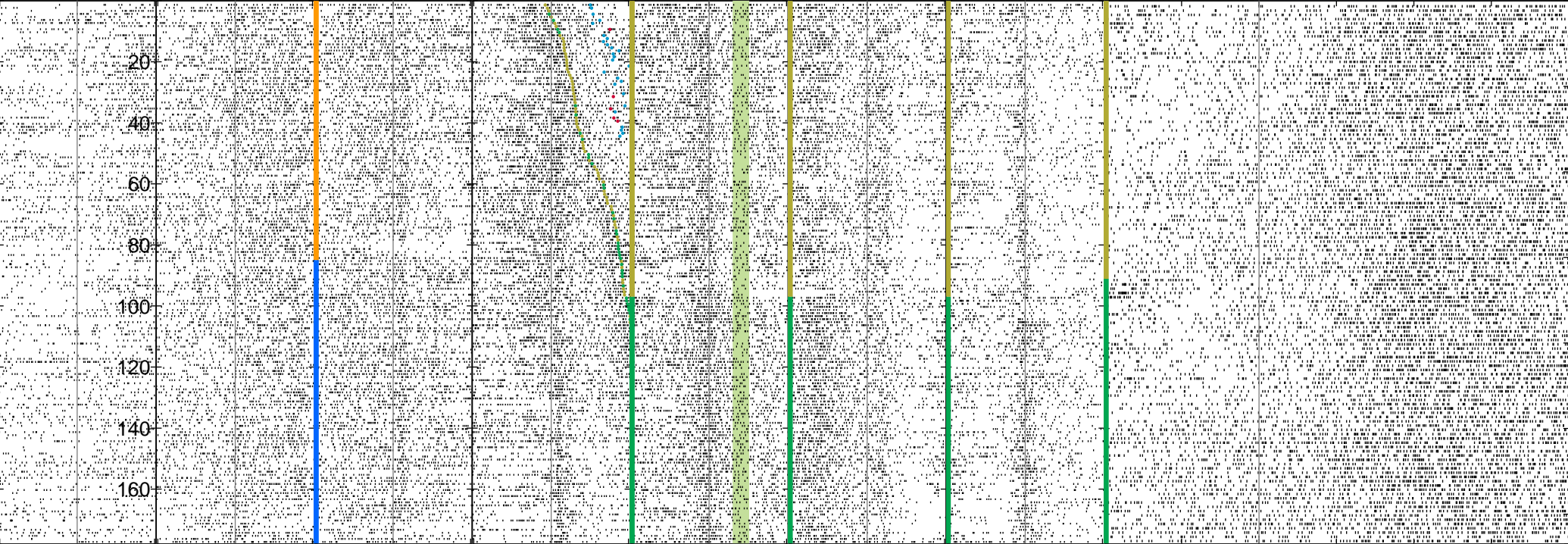
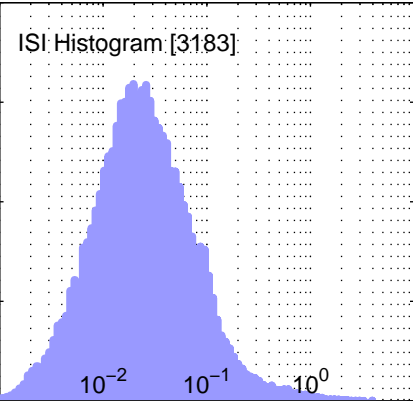
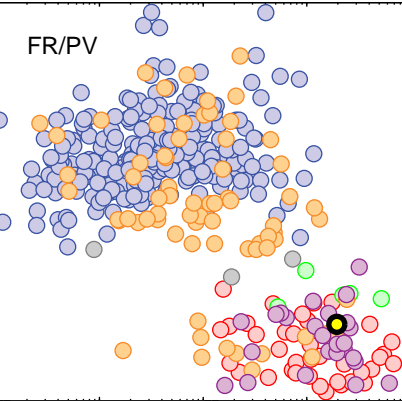
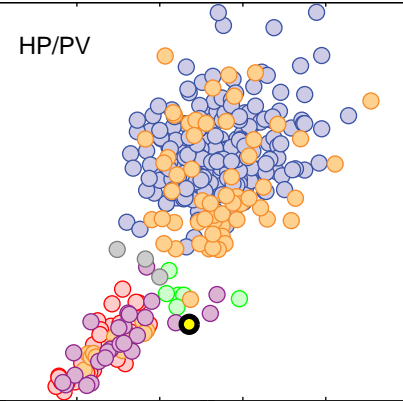
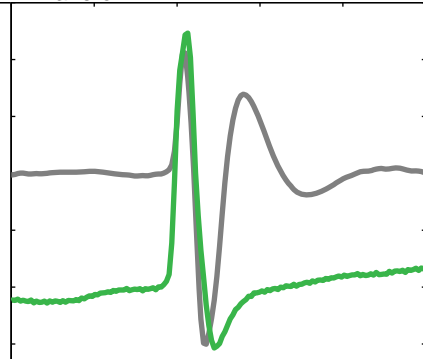
β_T : 3 β_D : 6

β_P : -3.3 SI: 0.21

Session FR: 19.5 Hz

Pk Ev: 5 - Choice (Ipsi)

Pk FR: 67.6Hz (-0.03s) ○



Cell: C0320070704T11a

AP: -0.96 ML: 3.7 DV: 7.9

w: 2 n: 84551 $P_{ISI>2}$: 0

1/2pw: 208 μ s p->v: 437 μ s

β_T : 3 β_D : -3.9

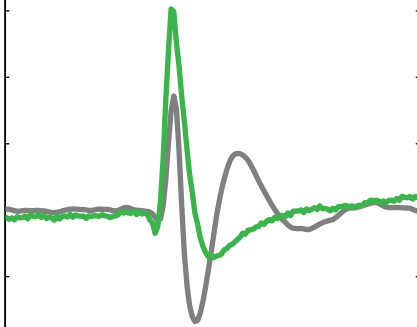
β_P : 3.4 SI: -0.16

Session FR: 26 Hz

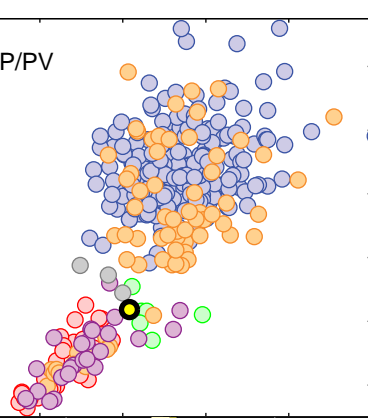
Pk Ev: 5 - Choice (Tone2)

Pk FR: 39.8Hz (1.11s) ○

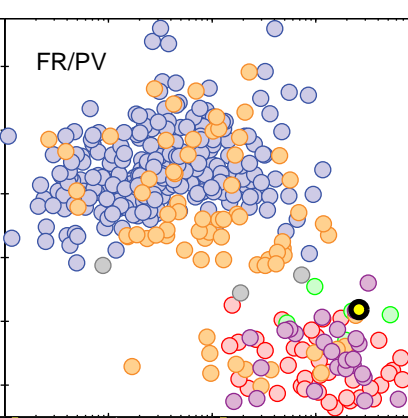
Waveform



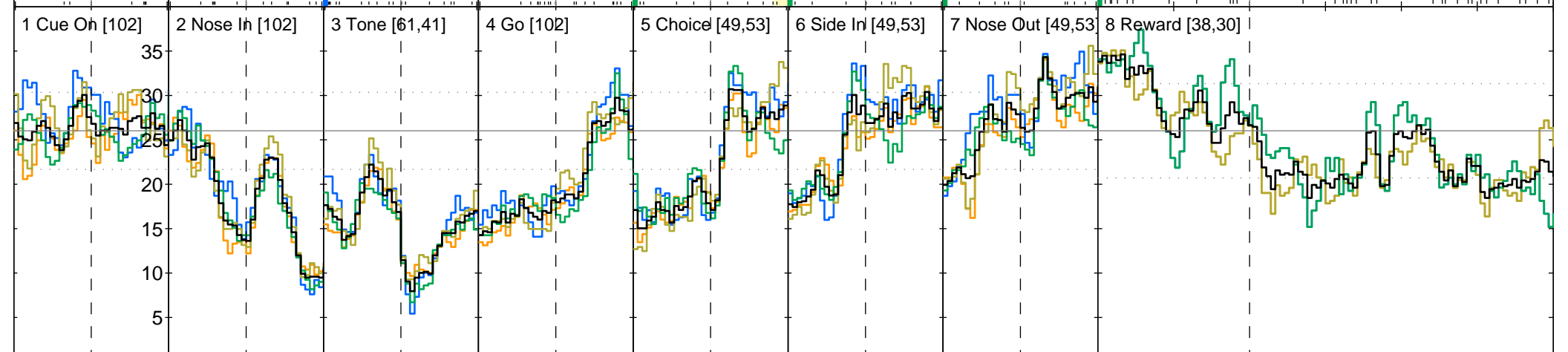
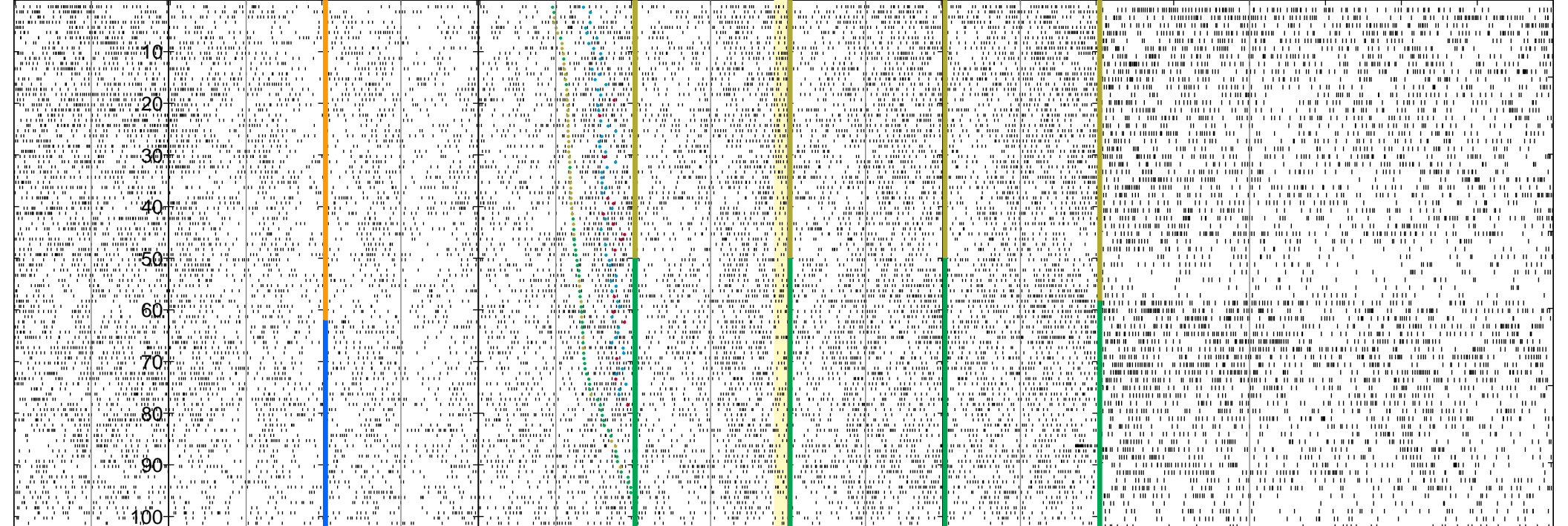
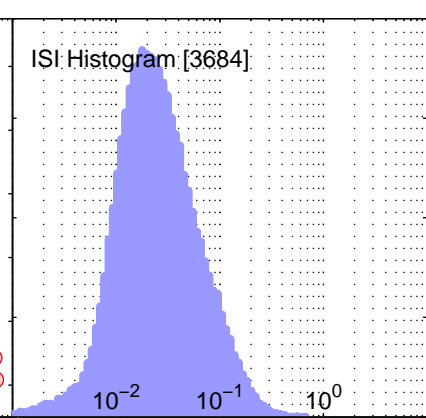
HP/PV



FR/PV



ISI Histogram [3684]



Cell: C0520070416T07b

AP: 1.3 ML: 3.4 DV: 4.5

w: 2 n: 99059 $P_{ISI>2}$: 0.017

1/2pw: 229 μ s p \rightarrow v: 432 μ s

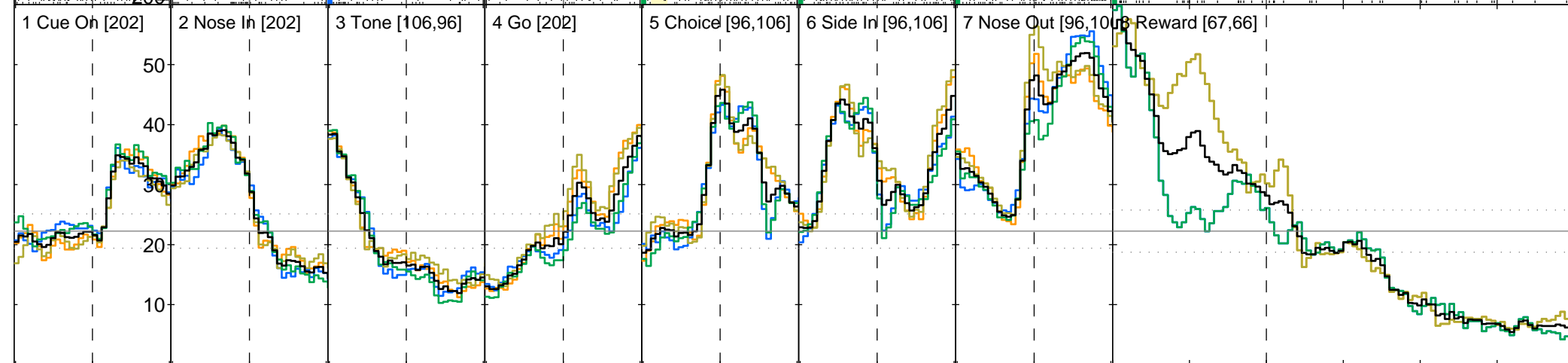
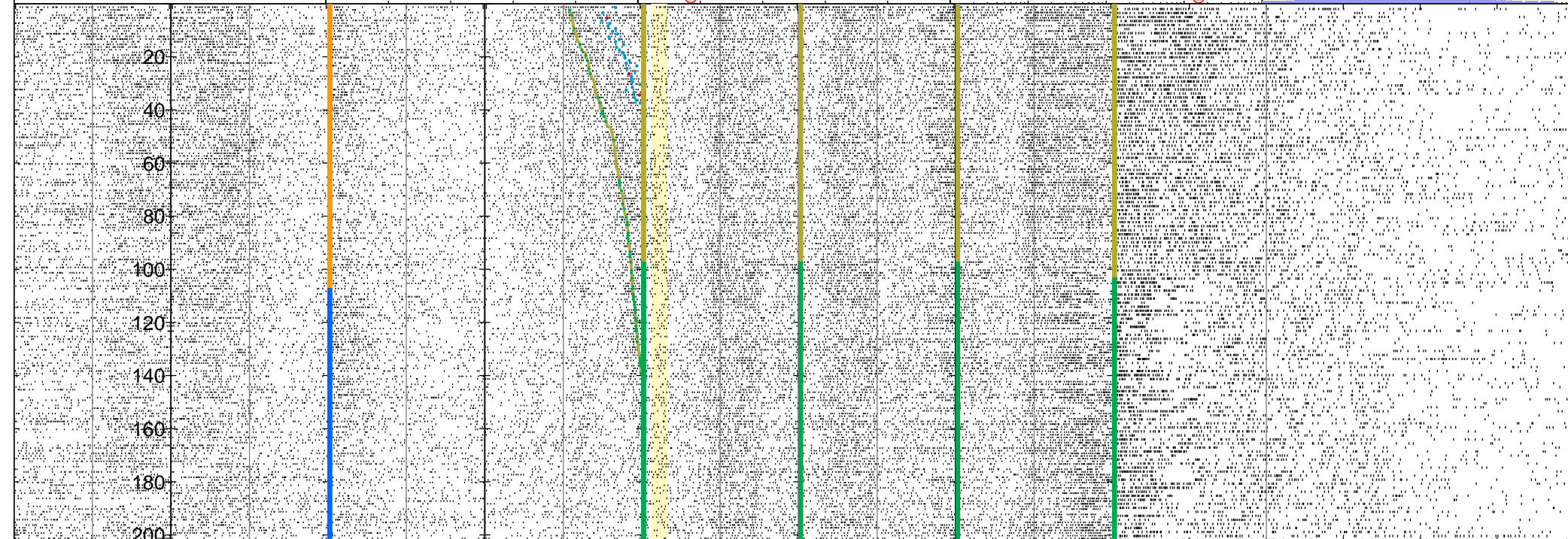
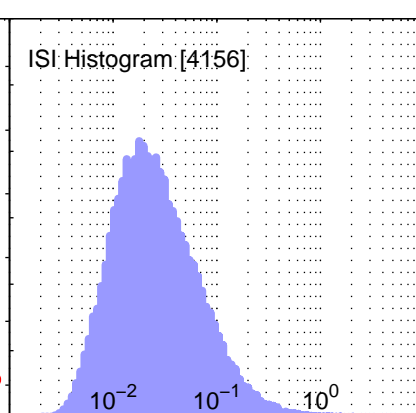
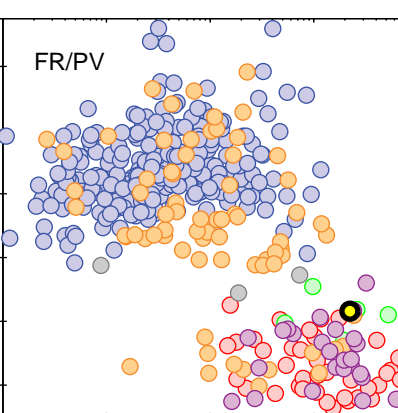
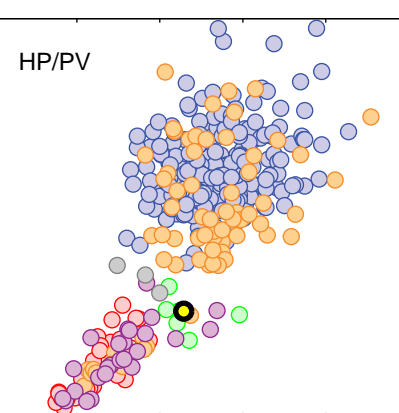
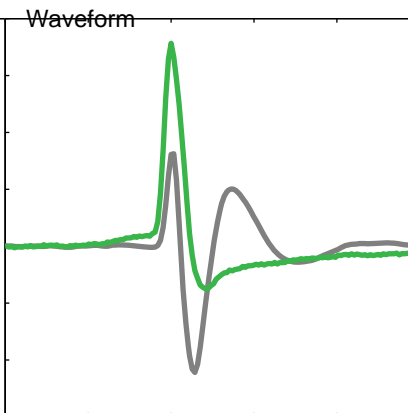
β_T : 2.8 β_D : -3.8

β_P : 4.2 SI: -0.22

Session FR: 22.3 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 59.8Hz (-0.97s) ○



Cell: C0320070703T09a

AP: 1.6 ML: 3.7 DV: 6.6

w: 3 n: 205059 P_{ISI>2}: 0

1/2pw: 296μs p->v: 421μs

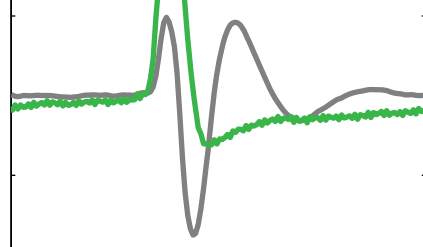
β_T: 3.3 β_D: -4.9

β_P: 3.6 SI: -0.15

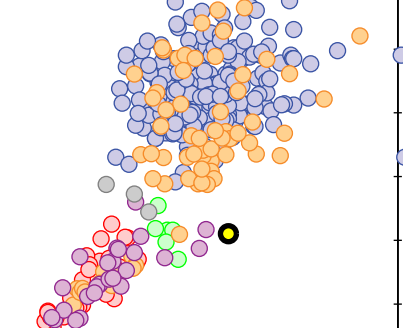
Session FR: 52.6 Hz

Pk Ev: 8 - Reward (T1/Con)

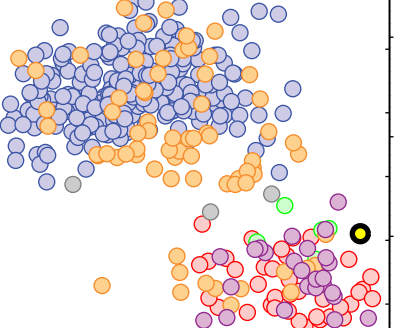
Pk FR: 104Hz (-0.22s) ○



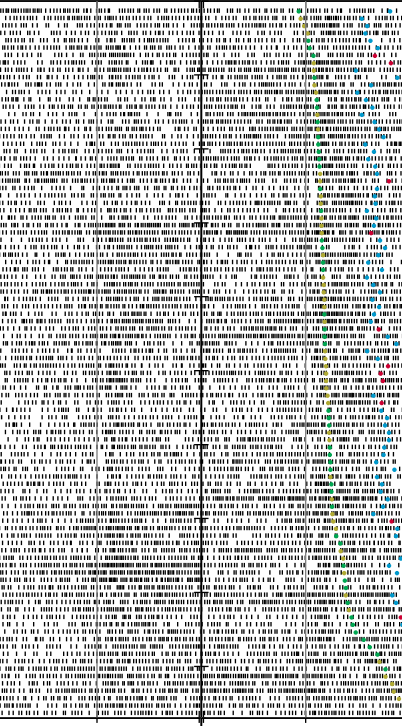
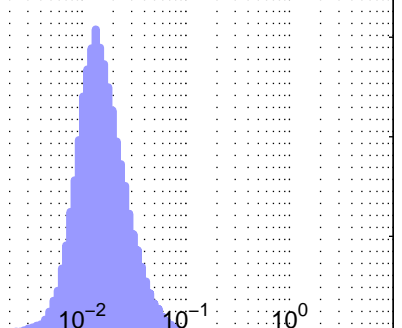
HP/PV



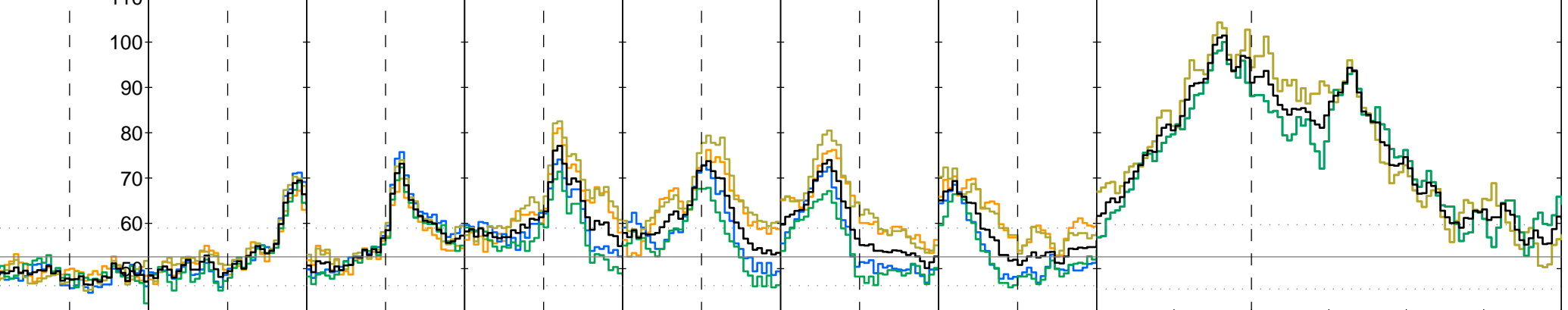
FR/PV



ISI Histogram [15385]



1 Cue On [96] 2 Nose In [96] 3 Tone [42,54] 4 Go [96] 5 Choice [49,47] 6 Side n [49,47] 7 Nose Out [49,47] 8 Reward [36,41]



Cell: C0320070611T11d

AP: -0.96 ML: 3.7 DV: 5

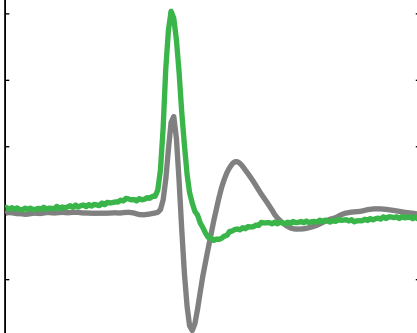
w: 4 n: 73609 $P_{ISI>2}$: 0.0591/2pw: 211 μ s p->v: 509 μ s β_T : -3.7 β_D : -6.8 β_P : 3.4 SI: -0.36

Session FR: 9.82 Hz

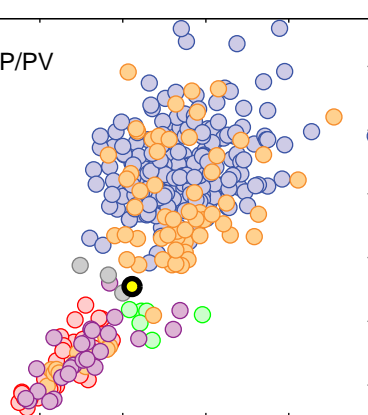
Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 45.2Hz (0.08s) ○

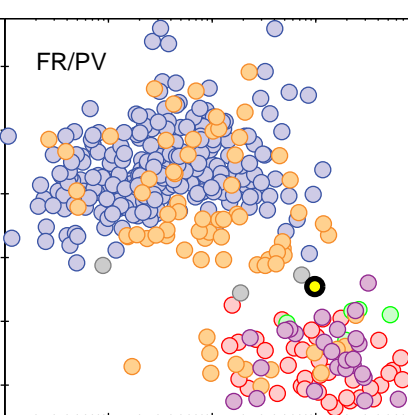
Waveform



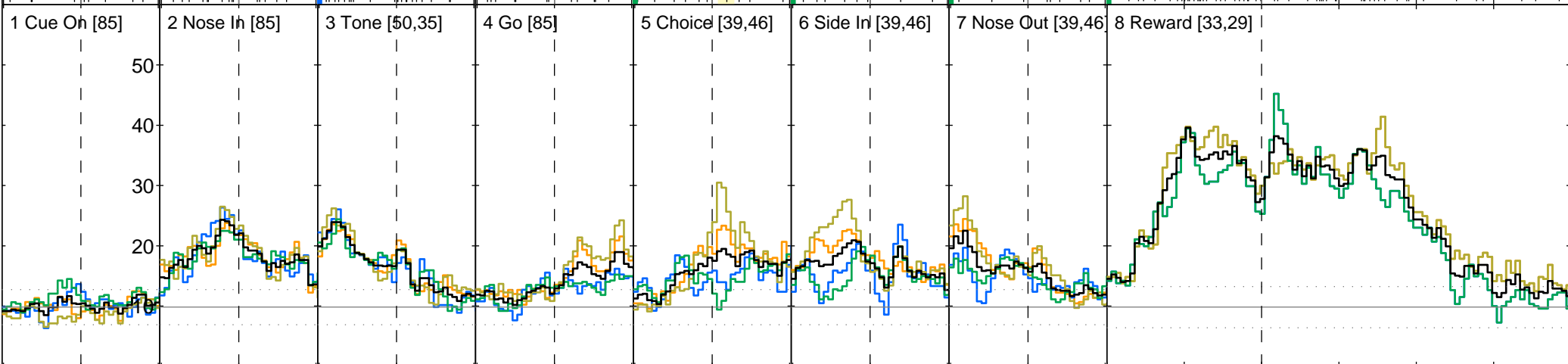
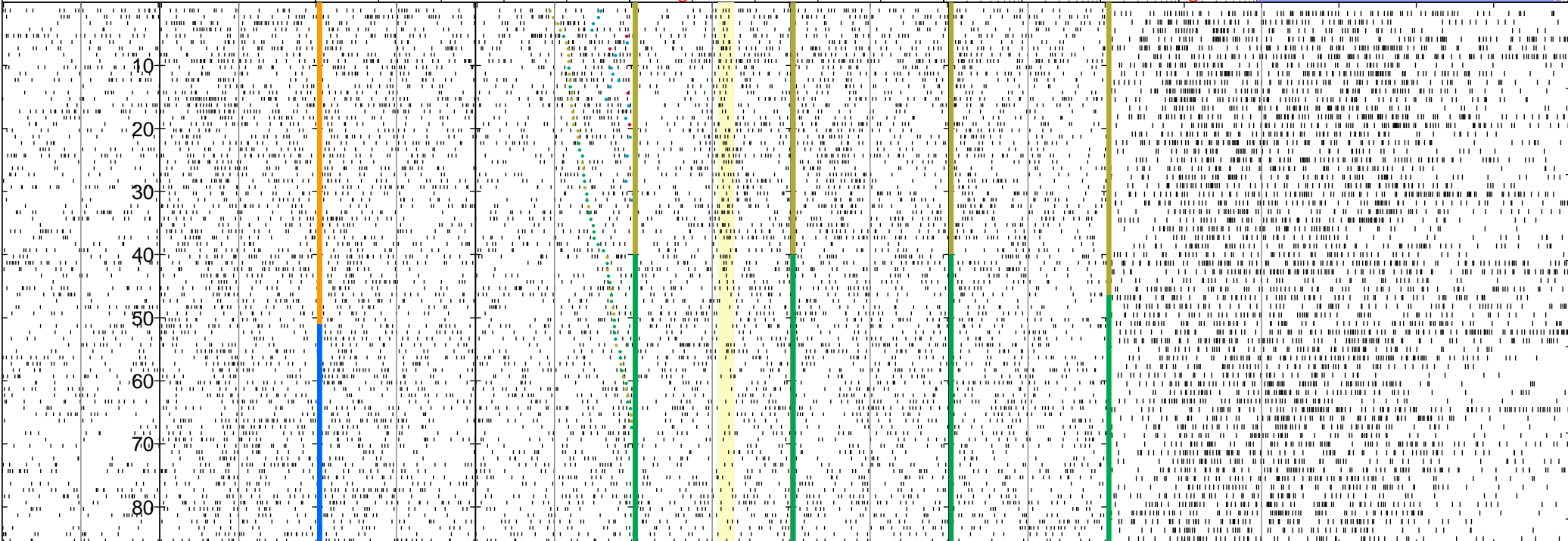
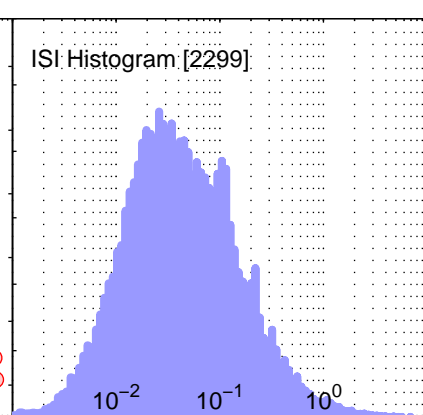
HP/PV



FR/PV



ISI Histogram [2299]



Cell: C0320070622T11e

AP: -0.96 ML: 3.7 DV: 5.8

w: 3 n: 20945 $P_{ISI>2}$: 0.019

1/2pw: 221 μ s p->v: 395 μ s

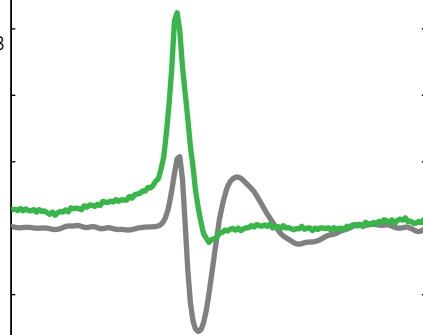
β_T : -2.6 β_D : -3.4

β_P : 3.2 SI: NaN

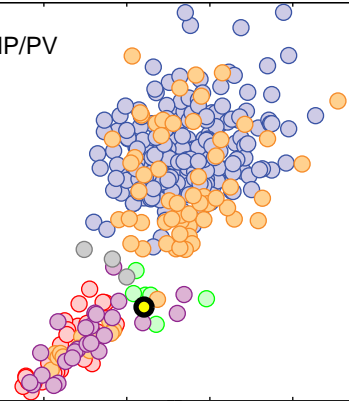
Session FR: 5.29 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

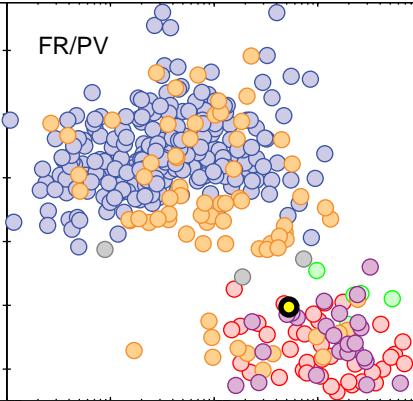
Pk FR: 18.8Hz (0.74s) ○



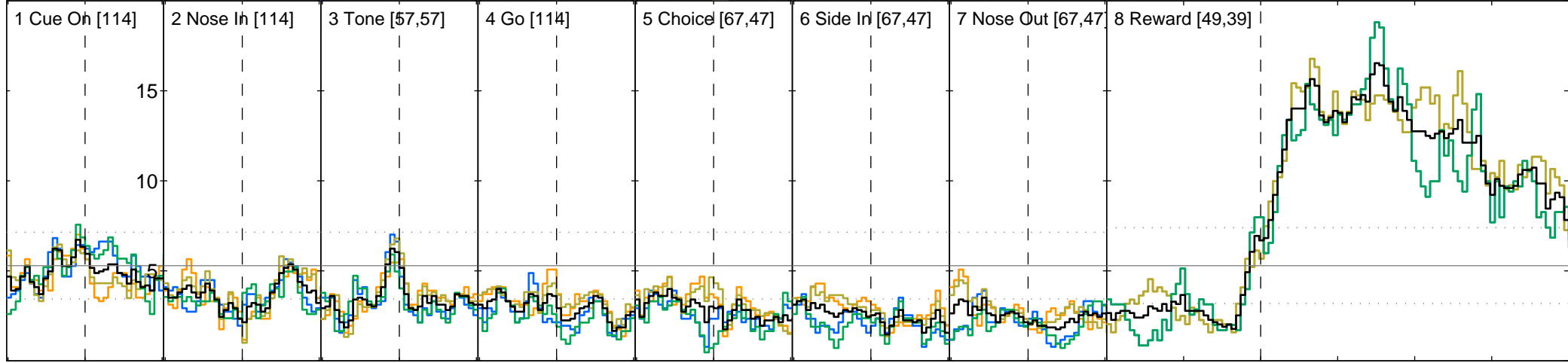
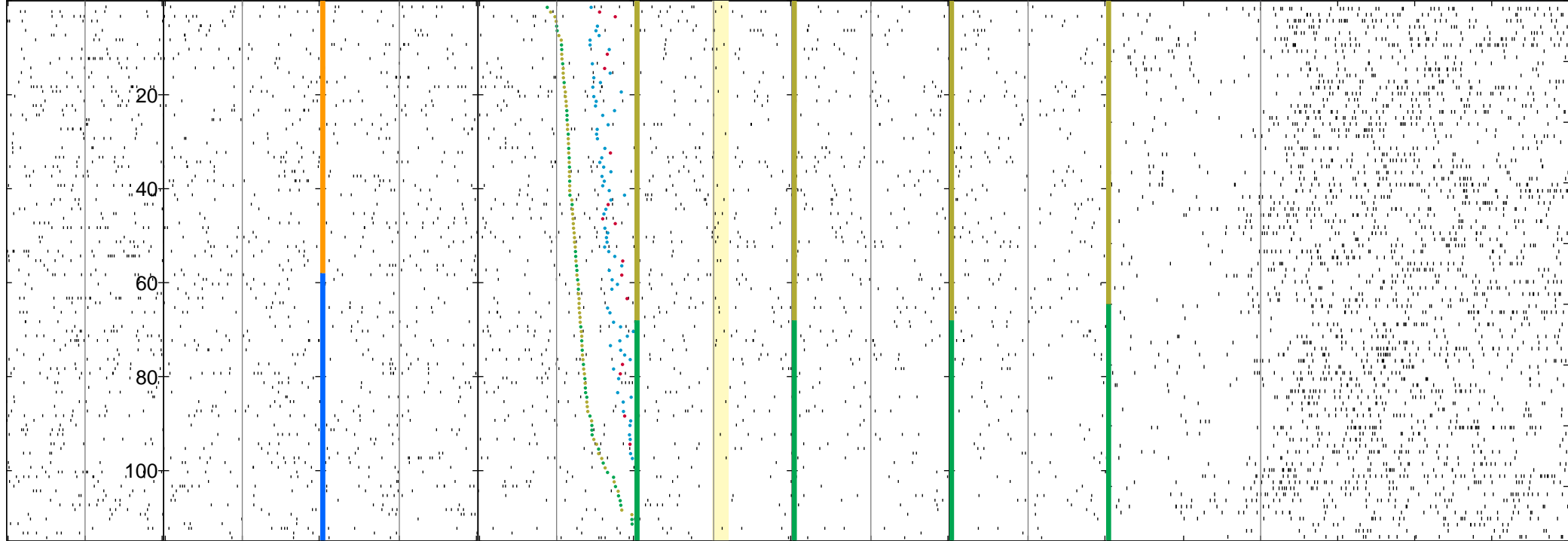
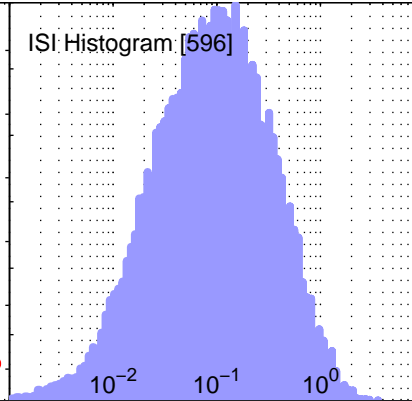
HP/PV



FR/PV

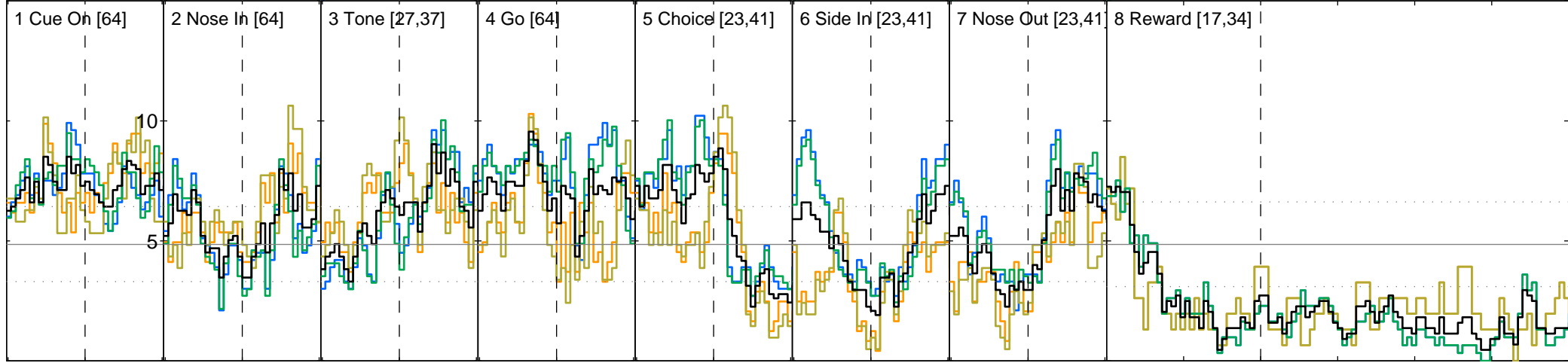
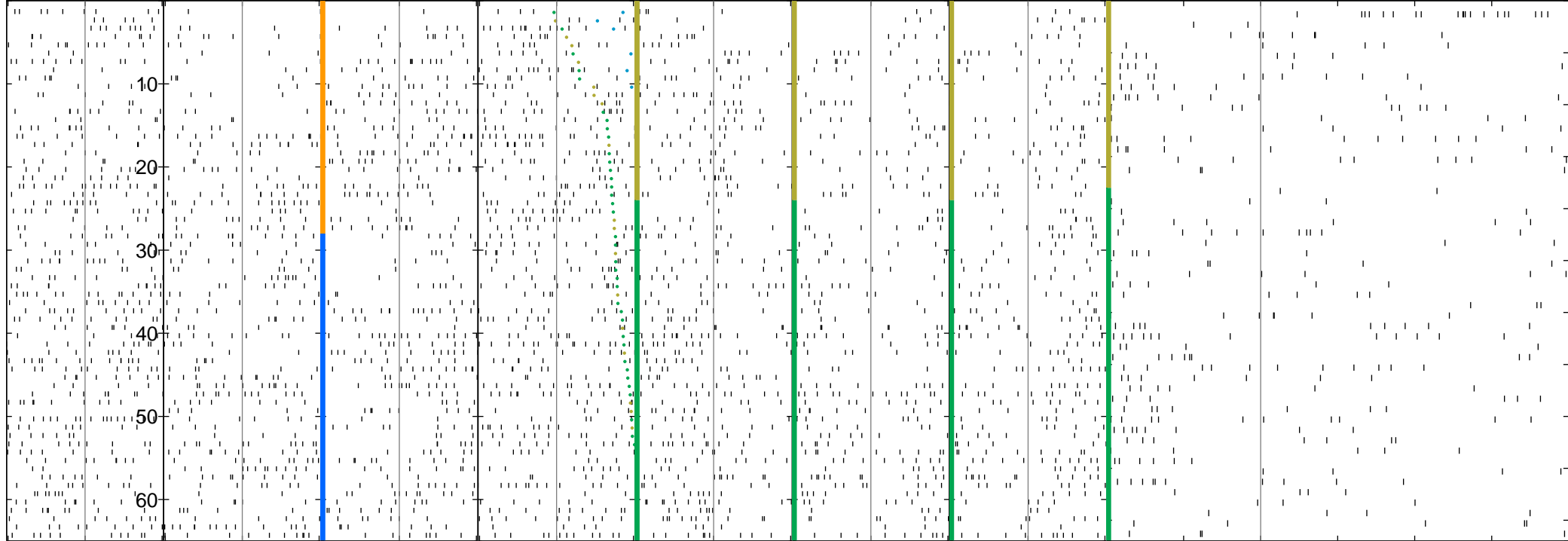
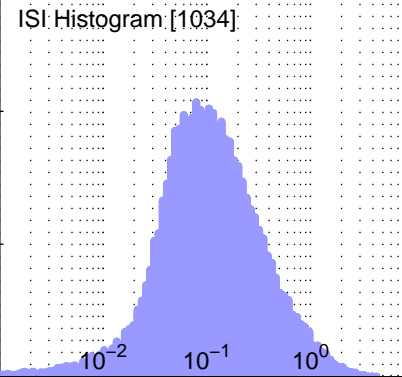
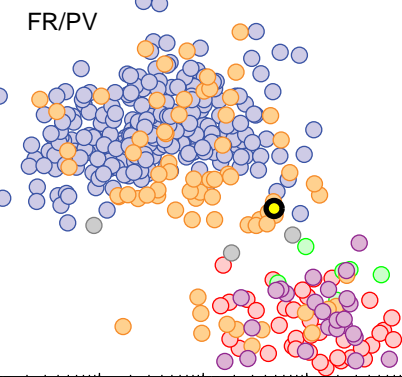
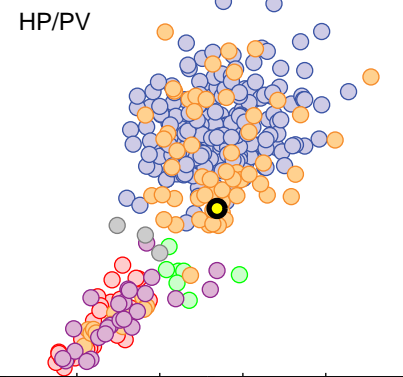
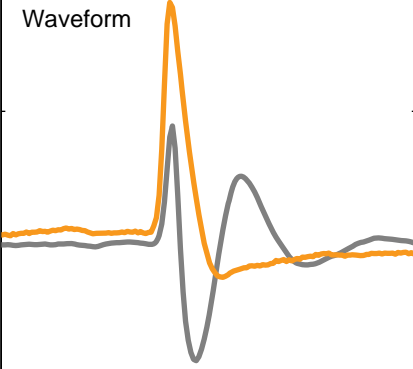


ISI Histogram [596]



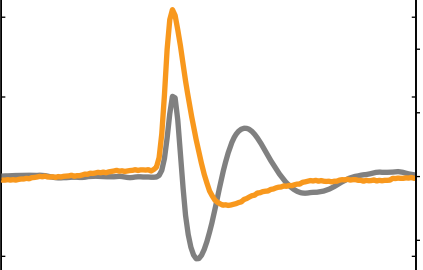
Cell: C1220071027T03F

AP: 3.2 ML: 2.6 DV: 2.2
w: 1 n: 29109 $P_{ISI>2}$: 0.054
1/2pw: 269 μ s p->v: 629 μ s
 β_T : -2.1 β_D : 2.4
 β_P : 3.8 SI: 0.65
Session FR: 4.85 Hz
Pk Ev: 1 - Cue on (Contra)
Pk FR: 11.6Hz (-1.04s) **M1_p**

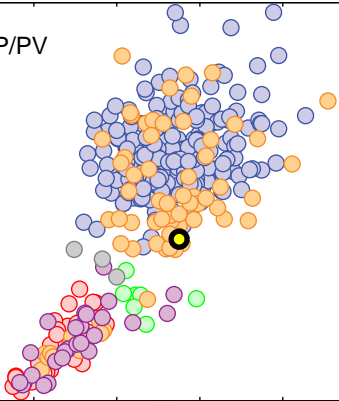


Cell: C1220071027T03e

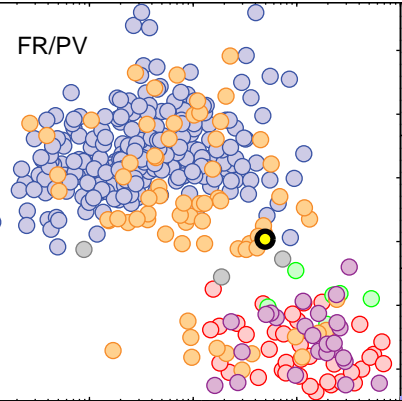
AP: 3.2 ML: 2.6 DV: 2.2
w: 1 n: 29579 $P_{ISI>2}$: 0.13
1/2pw: 275 μ s p->v: 608 μ s
 β_T : 2.2 β_D : -3.6
 β_P : -2.2 SI: 0.58
Session FR: 4.93 Hz
Pk Ev: 1 - Cue on (Tone2)
Pk FR: 11.1Hz (-0.65s) **M1_p**



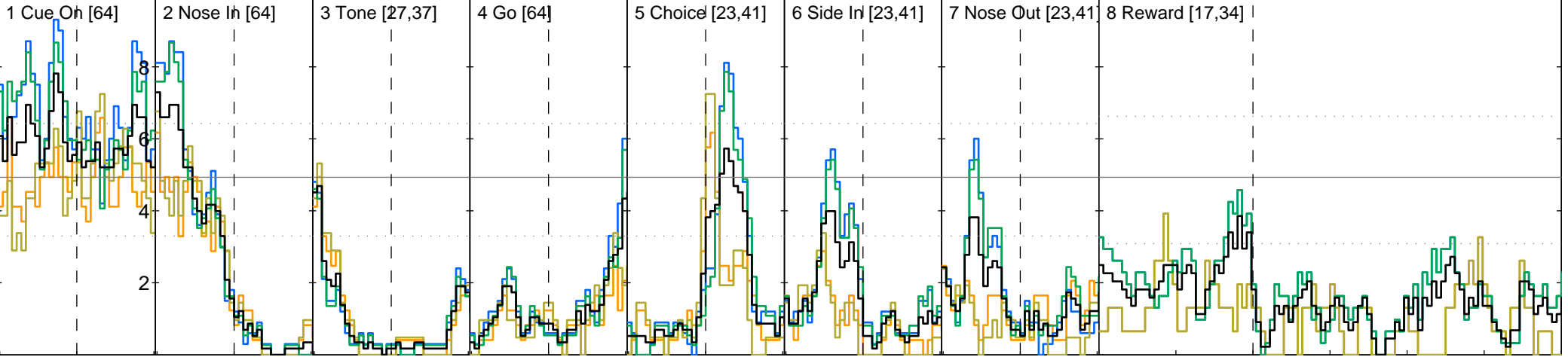
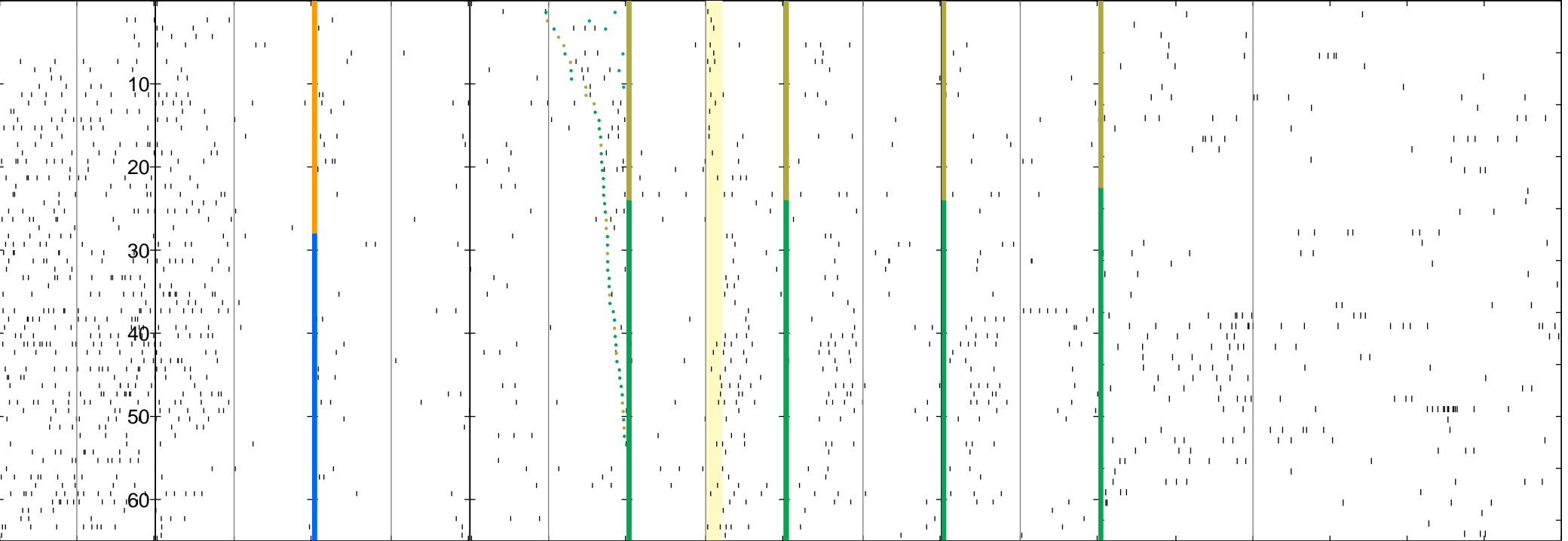
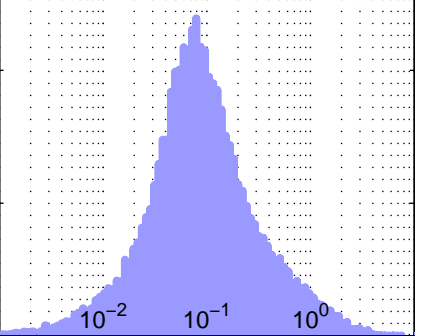
HP/PV



FR/PV



ISI Histogram [1195]



Cell: C1220071027T03i

AP: 3.2 ML: 2.6 DV: 2.2

w: 3 n: 19726 $P_{ISI>2}$: 0.11

1/2pw: 219 μ s p->v: 578 μ s

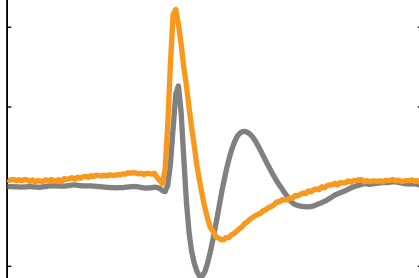
β_T : 3.1 β_D : -3.2

β_P : 3.1 SI: -0.55

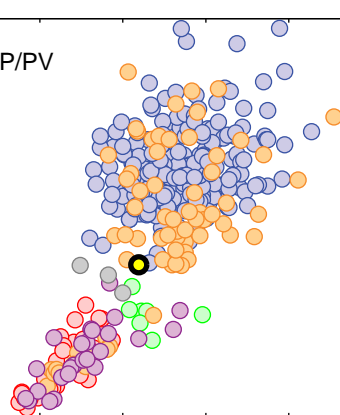
Session FR: 3.29 Hz

Pk Ev: 3 - Tone (Tone1)

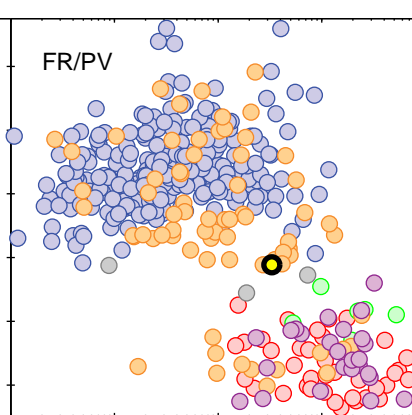
Pk FR: 16.9Hz (0.63s) **M1_p**



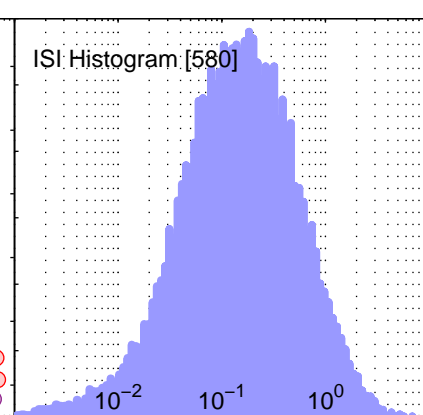
HP/PV



FR/PV



ISI Histogram [580]



10

20

30

40

50

60

1 Cue On [64]

2 Nose In [64]

3 Tone [27,37]

4 Go [64]

5 Choice [23,41]

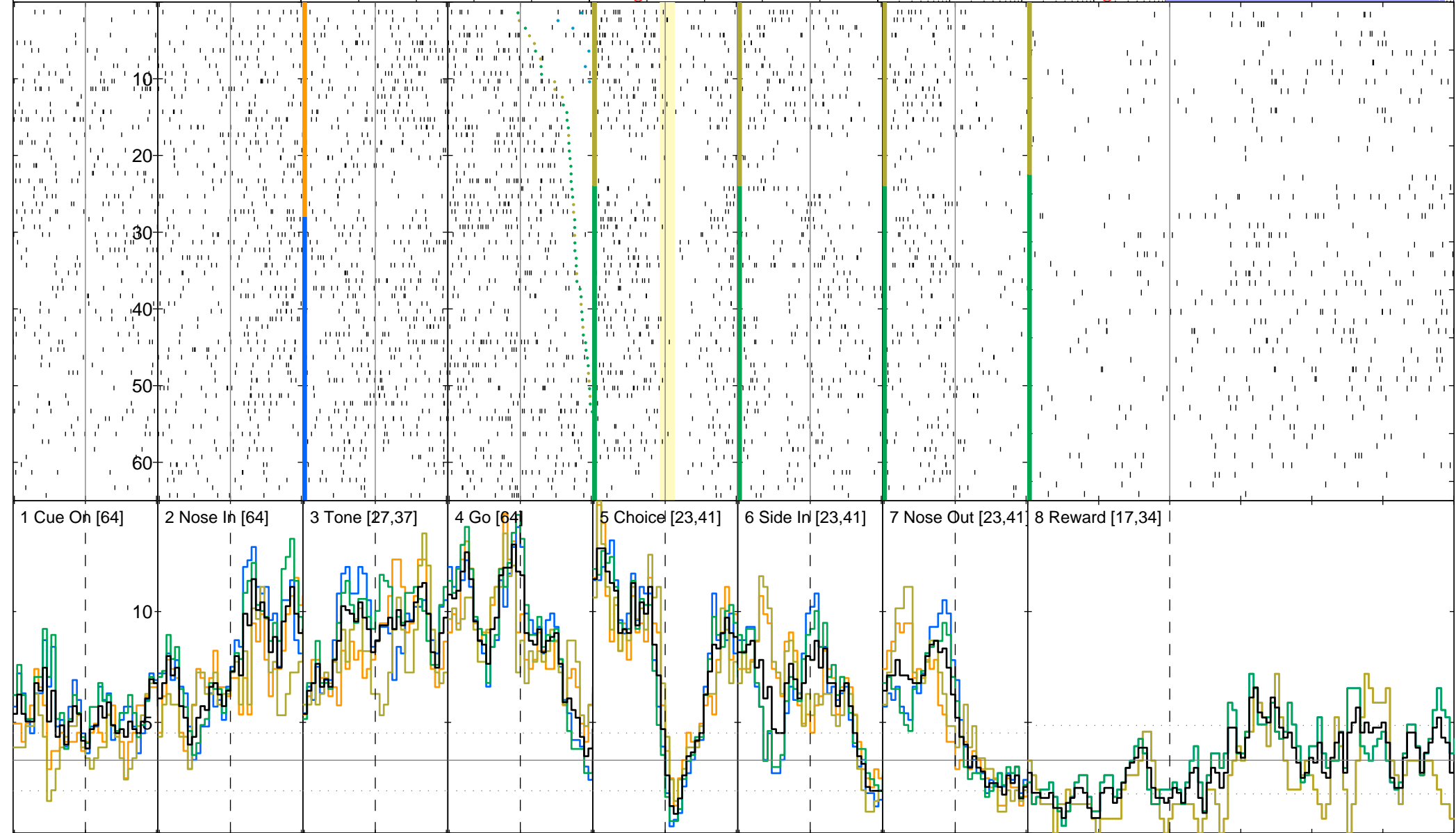
6 Side In [23,41]

7 Nose Out [23,41]

8 Reward [17,34]

10

5



Cell: C1220071027T03j

AP: 3.2 ML: 2.6 DV: 2.2

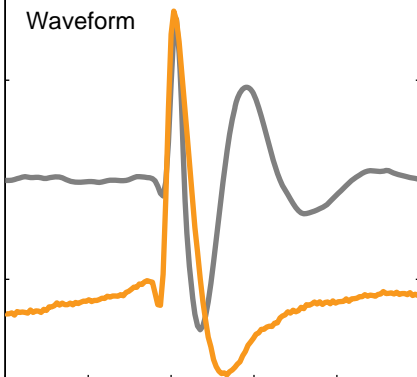
w: 4 n: 16294 $P_{ISI>2}$: 0.221/2pw: 259 μ s p \rightarrow v: 578 μ s β_T : 1.4 β_D : -5.8 β_P : 2.1 SI: -0.63

Session FR: 2.72 Hz

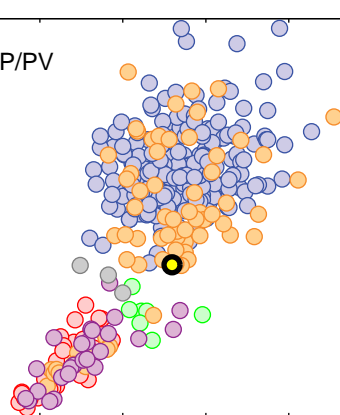
Pk Ev: 5 - Choice (Contra)

Pk FR: 15.9Hz (0.06s) **M1_p**

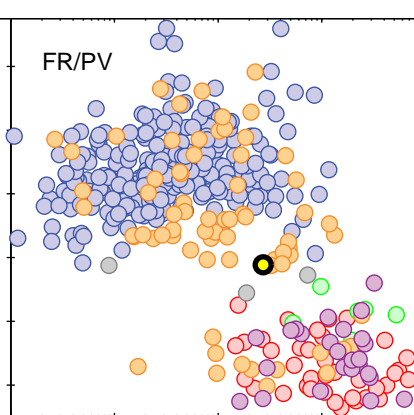
Waveform



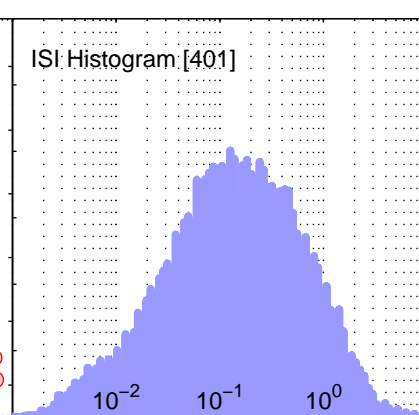
HP/PV



FR/PV



ISI Histogram [401]



10

20

30

40

50

60

1 Cue On [64]

2 Nose In [64]

3 Tone [27,37]

4 Go [64]

5 Choice [23,41]

6 Side In [23,41]

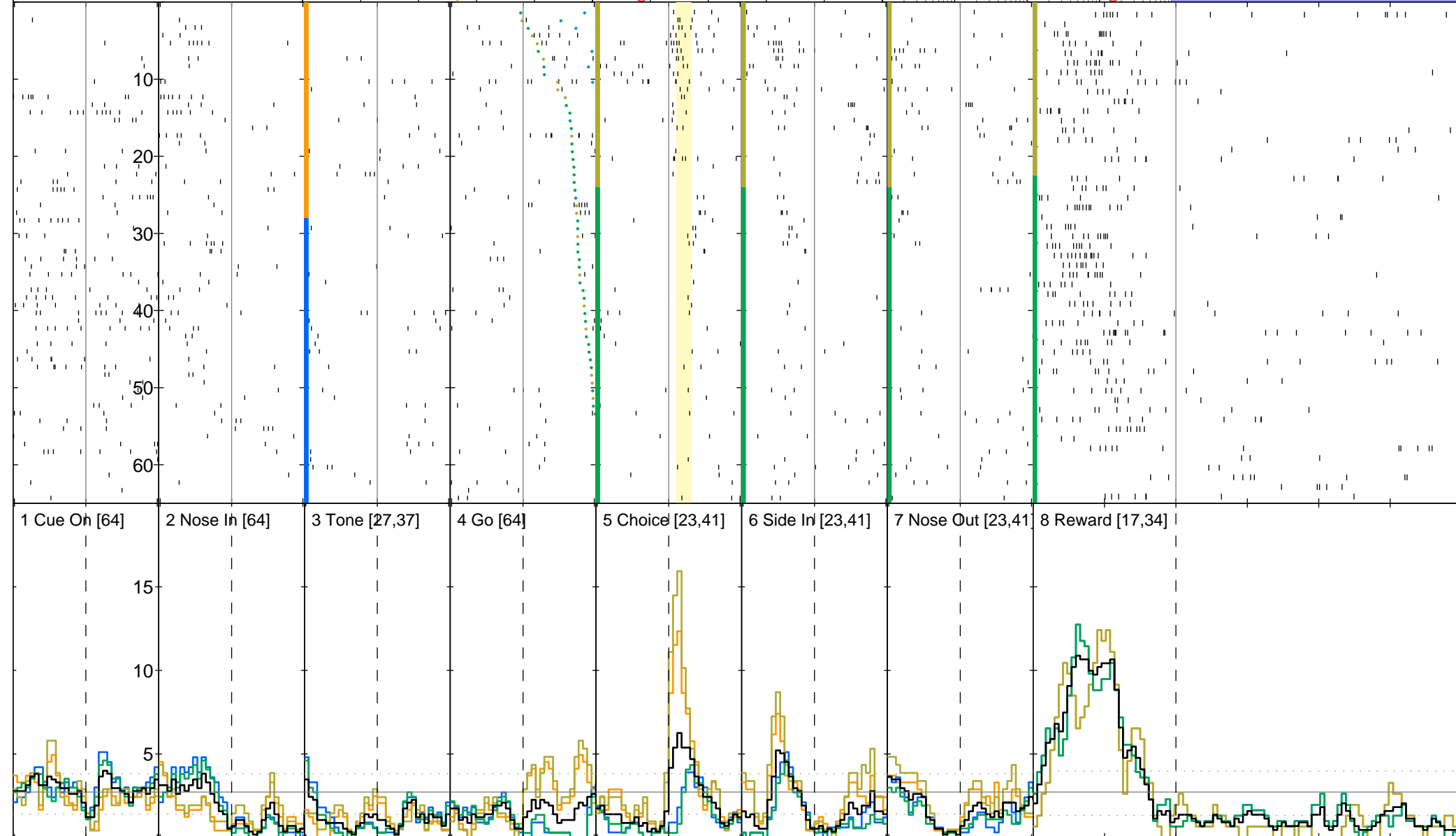
7 Nose Out [23,41]

8 Reward [17,34]

15

10

5



Cell: C1220071028T03b

AP: 3.2 ML: 2.6 DV: 2.3

w: 1 n: 21080 $P_{ISI>2}$: 0.37

1/2pw: 248 μ s p \rightarrow v: 594 μ s

β_T : -2.1 β_D : -17

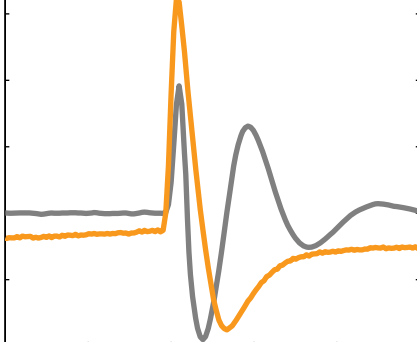
β_P : -2.8 SI: -0.98

Session FR: 3.51 Hz

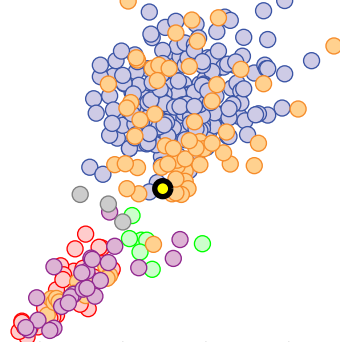
Pk Ev: 5 - Choice (Contra)

Pk FR: 48.1Hz (0.06s) M1_P

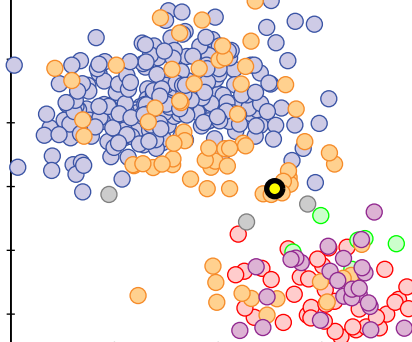
Waveform



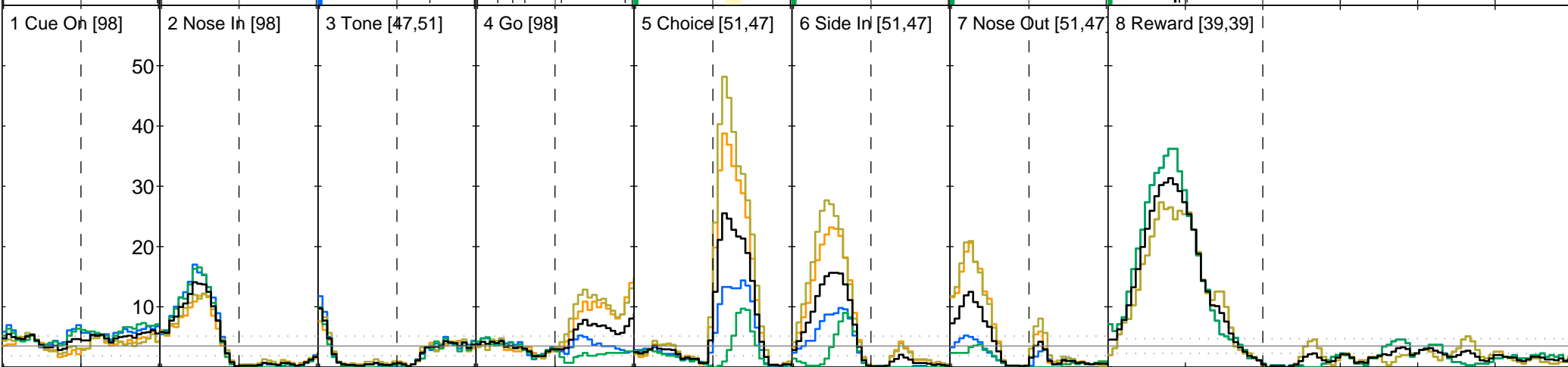
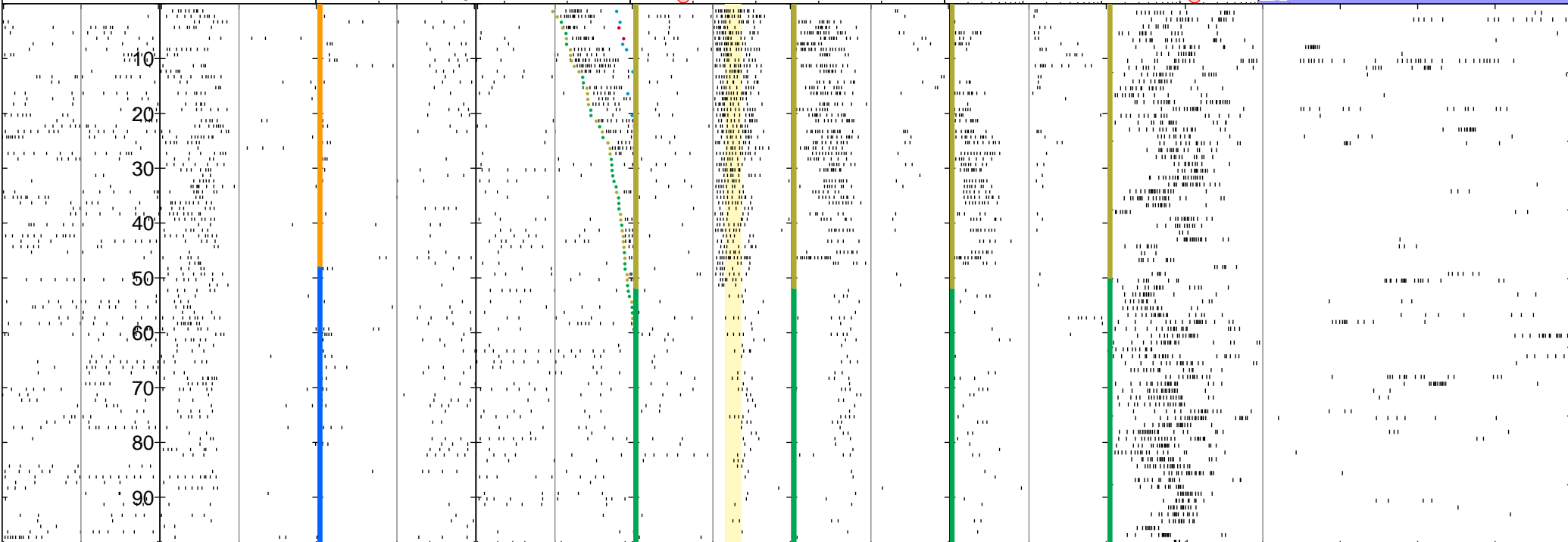
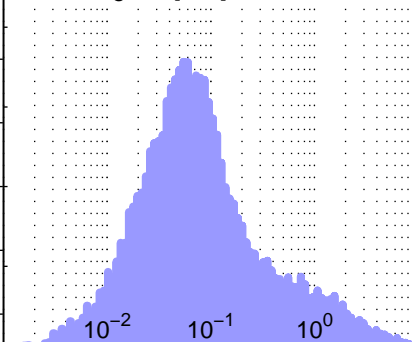
HP/PV



FR/PV



ISI Histogram [713]



Cell: C1220071028T03c

AP: 3.2 ML: 2.6 DV: 2.3

w: 4 n: 5142 $P_{ISI>2}$: 0.74

1/2pw: 246 μ s p->v: 661 μ s

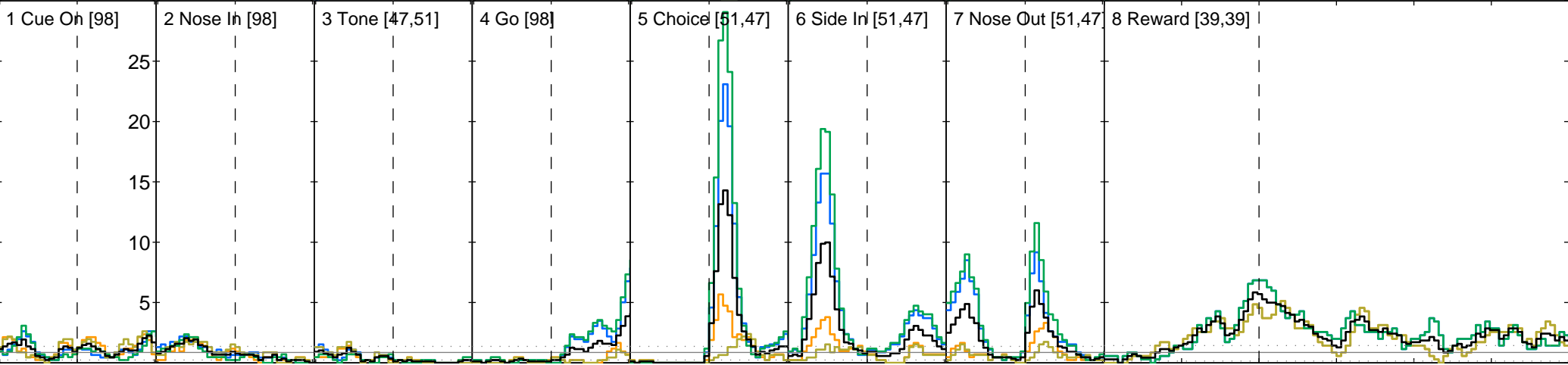
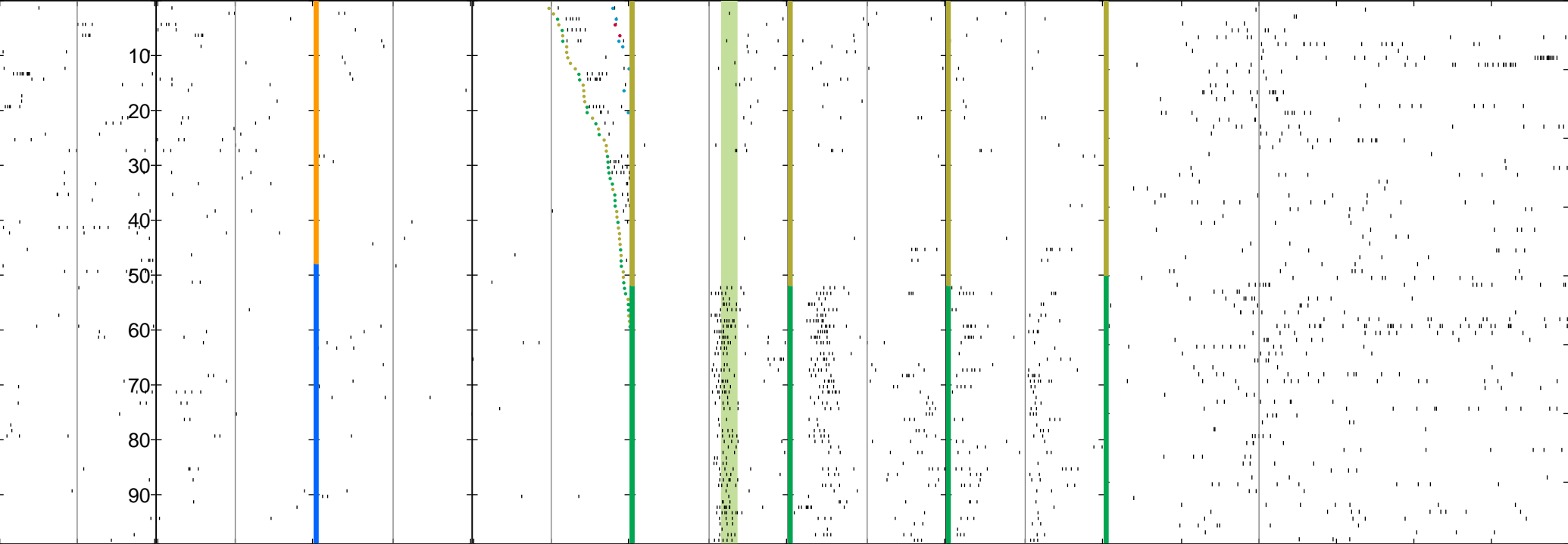
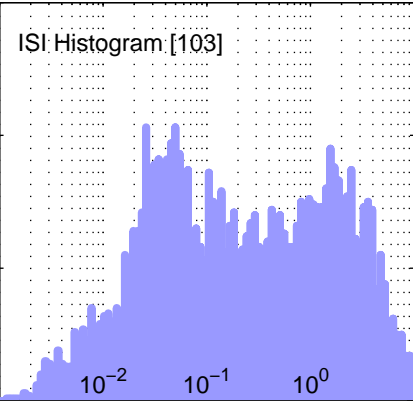
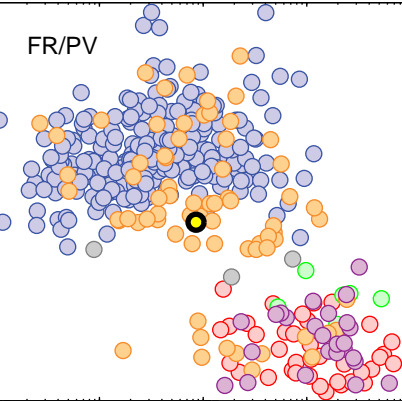
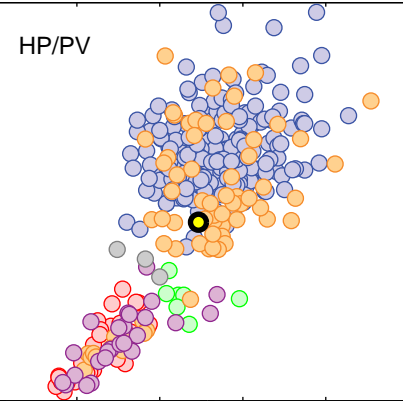
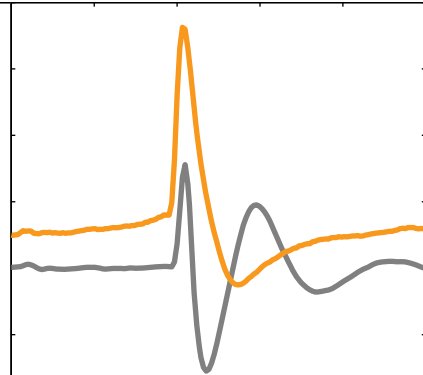
β_T : 1.9 β_D : 9.8

β_P : -2.7 SI: 0.93

Session FR: 0.858 Hz

Pk Ev: 5 - Choice (Ipsi)

Pk FR: 29.1Hz (0.09s) **M1_p**



Cell: C1220071114T03d

AP: 3.2 ML: 2.6 DV: 2.4

w: 2 n: 25991 $P_{ISI>2}$: 0.2

1/2pw: 275 μ s p \rightarrow v: 616 μ s

β_T : 4.5 β_D : -4.7

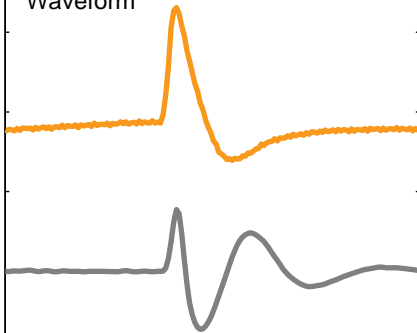
β_P : -4.1 SI: -0.36

Session FR: 4.27 Hz

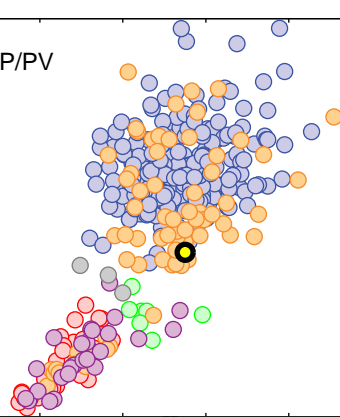
Pk Ev: 5 - Choice (Contra)

Pk FR: 42.6Hz (0.12s) **M1_p**

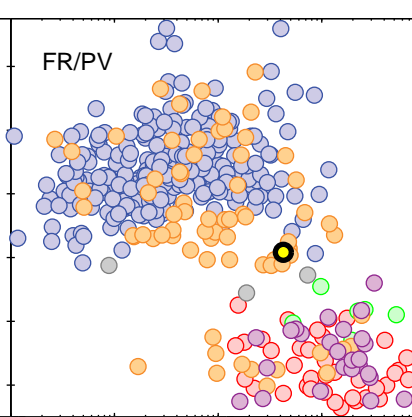
Waveform



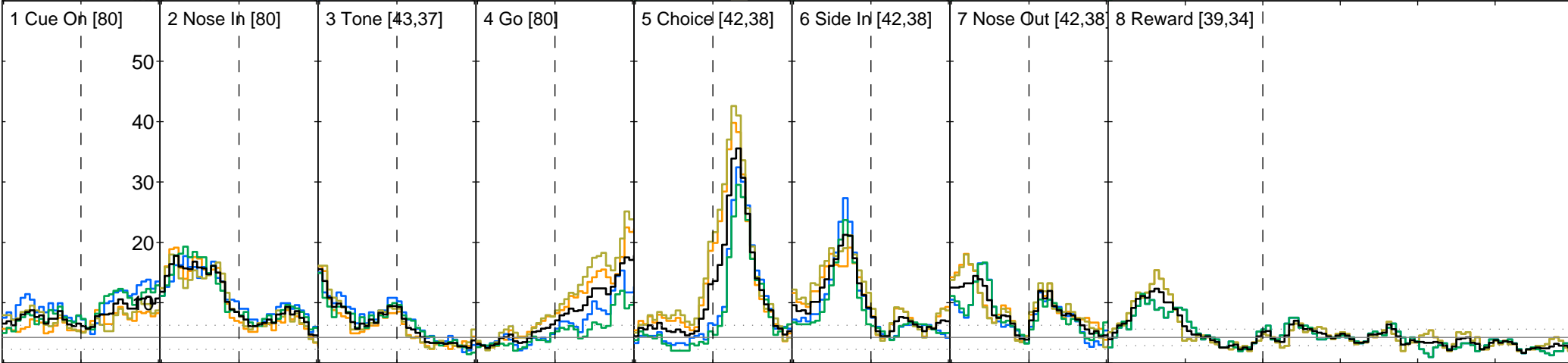
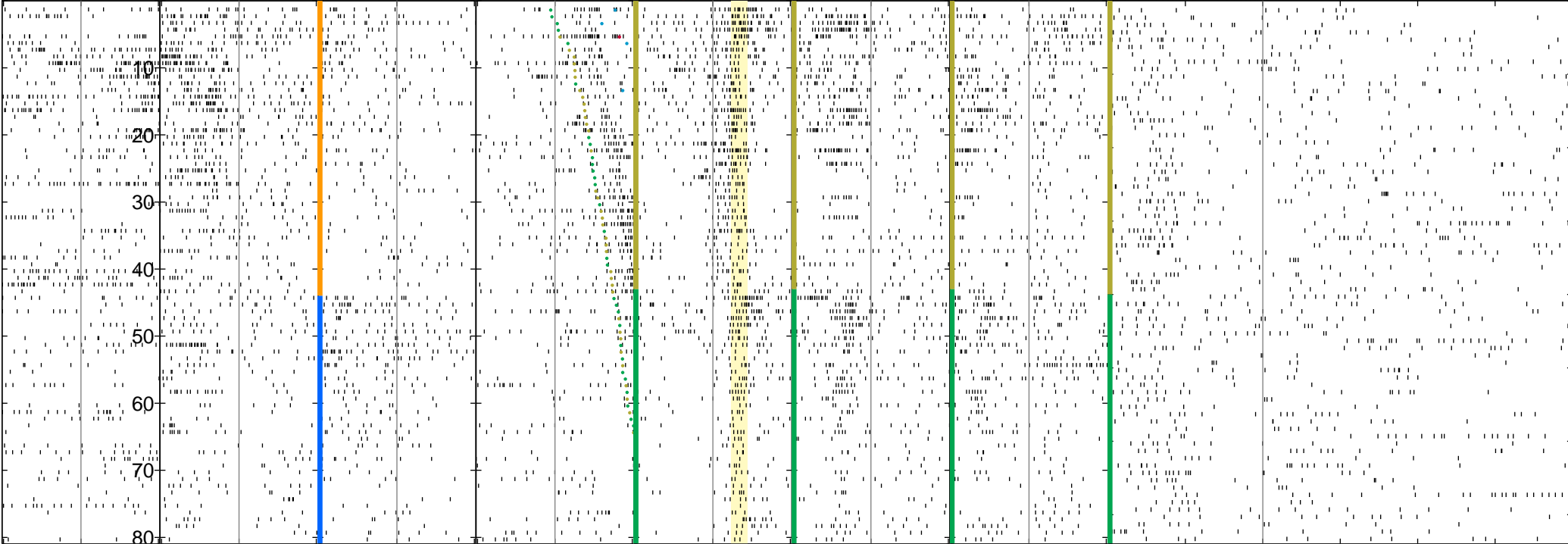
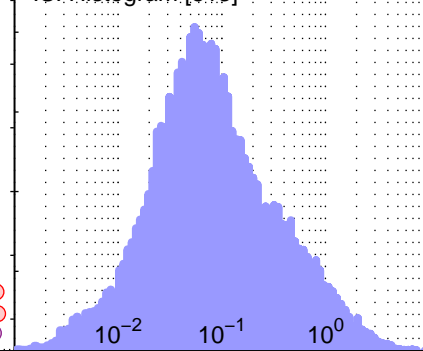
HP/PV



FR/PV



ISI Histogram [813]



Cell: C1220071025T03d

AP: 3.2 ML: 2.6 DV: 2

w: 4 n: 89284 $P_{ISI>2}$: 0.0003

1/2pw: 330 μ s p->v: 670 μ s

β_T : -2.4 β_D : 3

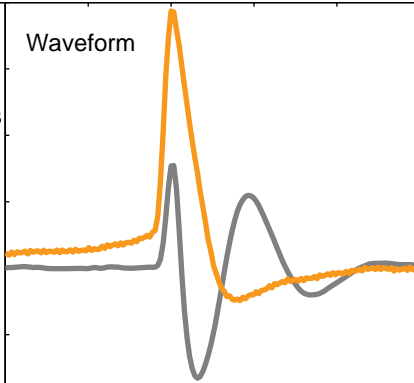
β_P : -3.1 SI: -0.21

Session FR: 13.2 Hz

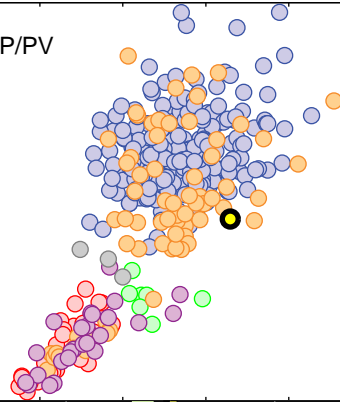
Pk Ev: 5 - Choice (Ipsi)

Pk FR: 43.9Hz (0.33s) M1_p

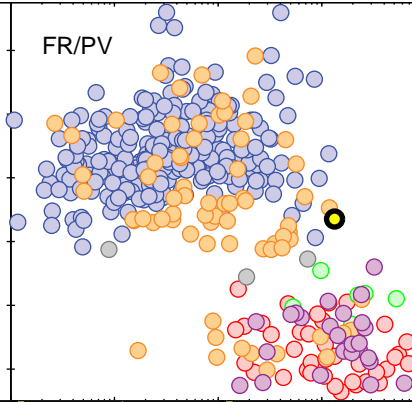
Waveform



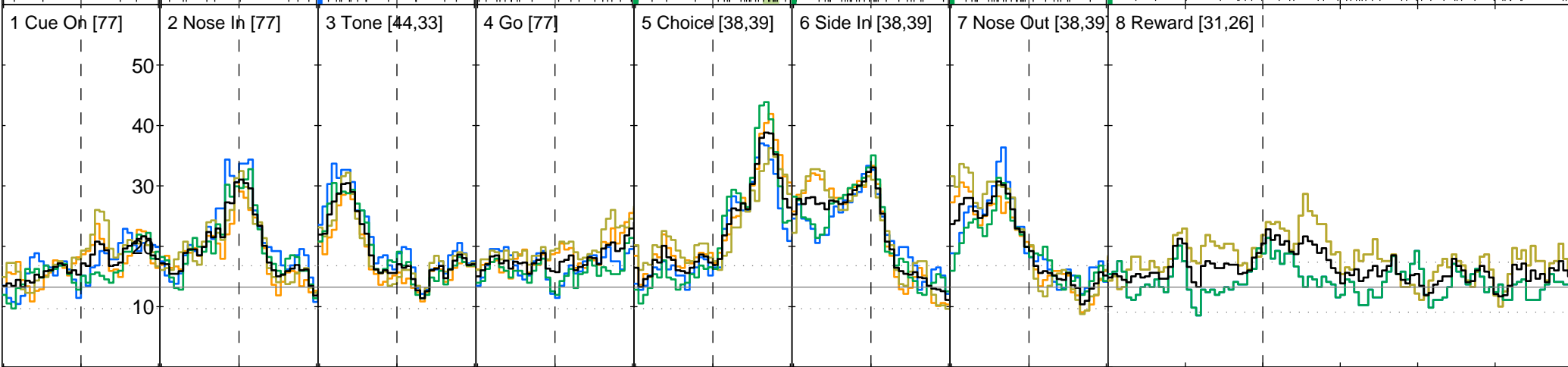
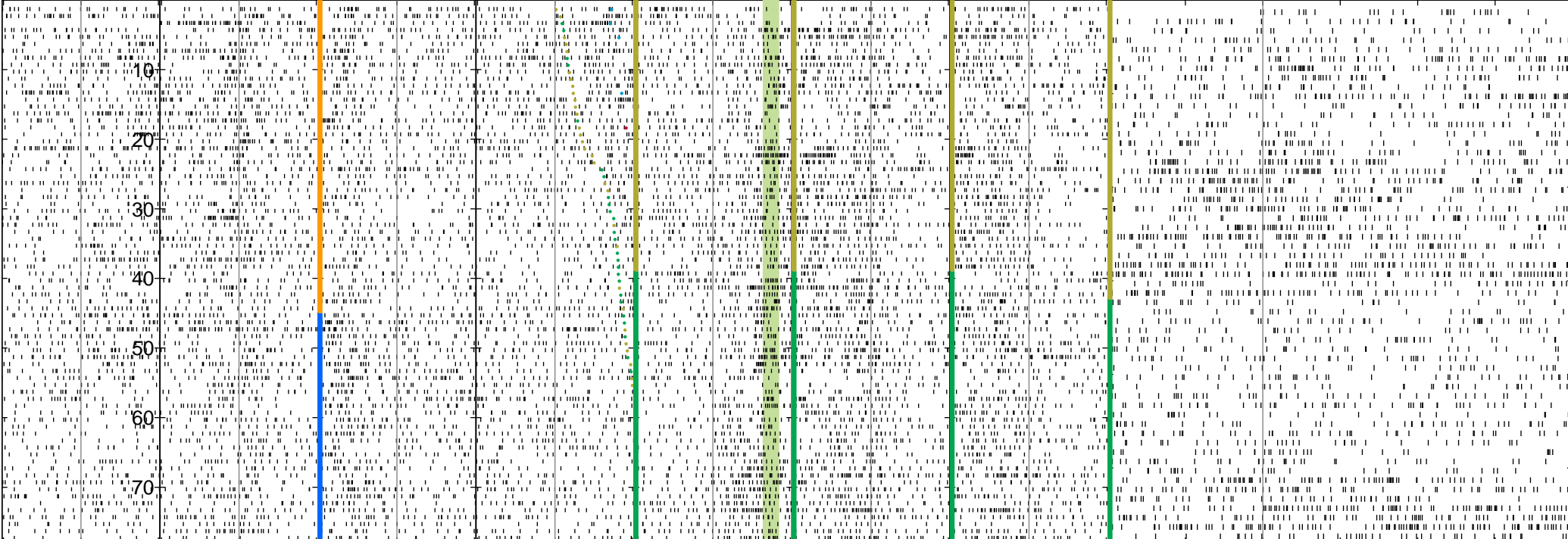
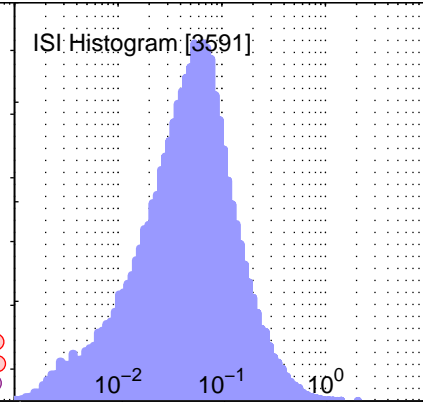
HP/PV



FR/PV



ISI Histogram [3591]



Cell: C1220071025T03b

AP: 3.2 ML: 2.6 DV: 2

w: 1 n: 46080 $P_{ISI>2}$: 0.006

1/2pw: 293 μ s p->v: 741 μ s

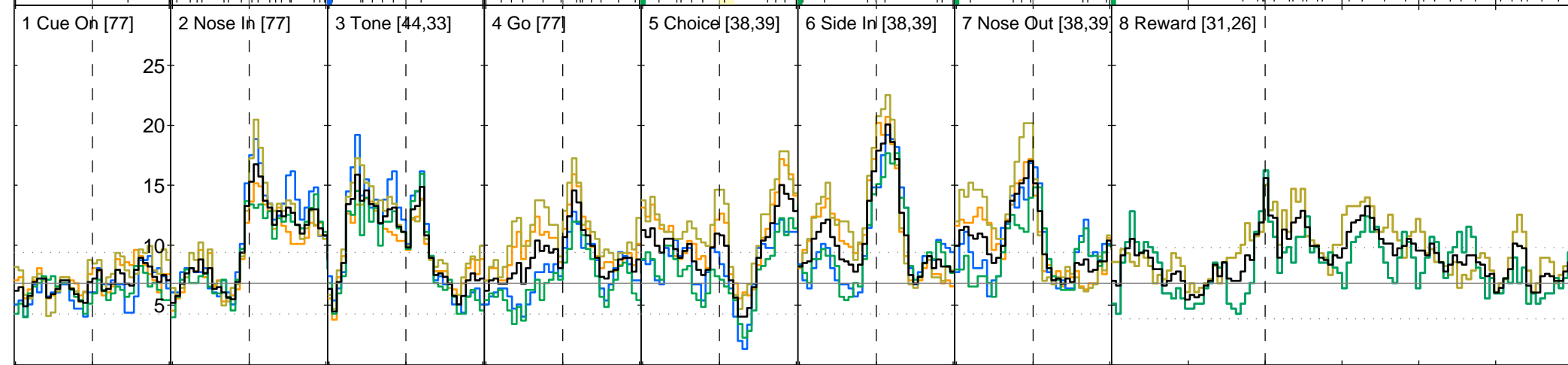
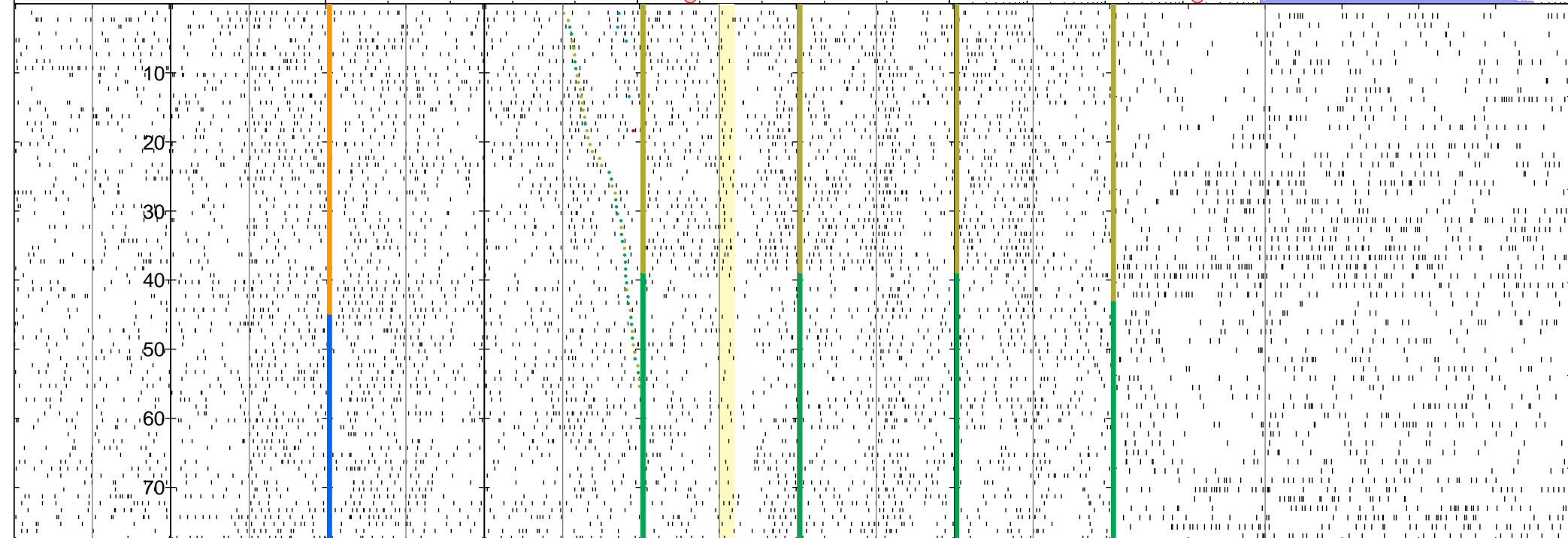
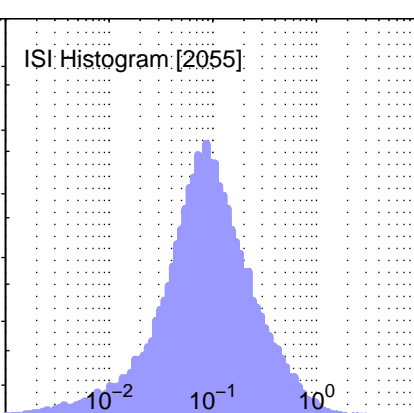
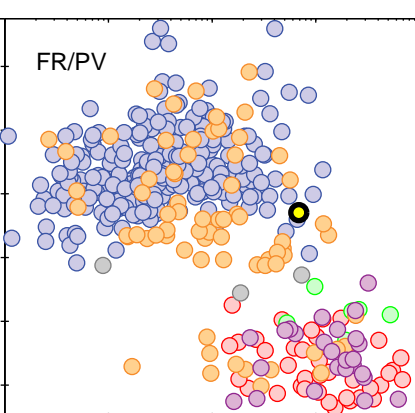
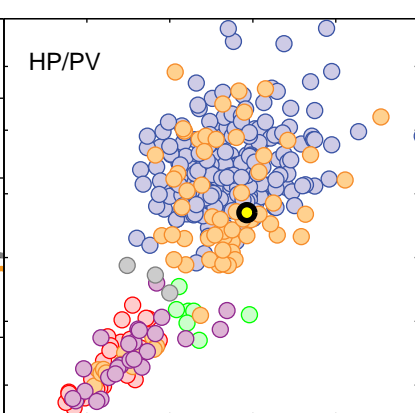
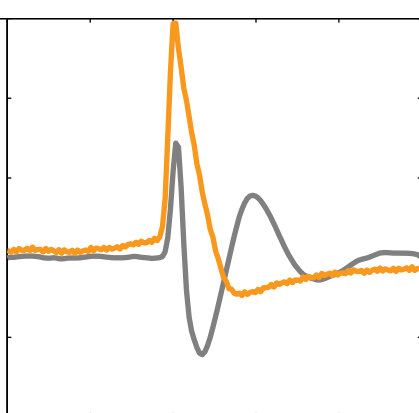
β_T : -2.8 β_D : -4.2

β_P : 2.4 SI: -0.38

Session FR: 6.83 Hz

Pk Ev: 6 - Side In (Contra)

Pk FR: 22.5Hz (0.06s) **M1_p**



Cell: C1220071025T03c

AP: 3.2 ML: 2.6 DV: 2

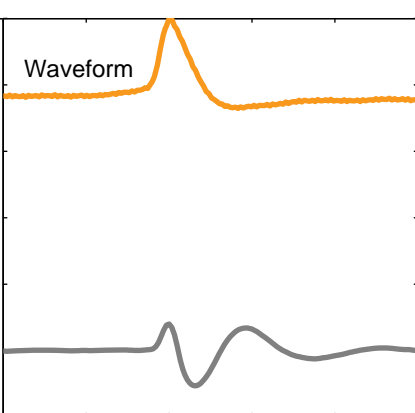
w: 3 n: 850 $P_{ISI>2}$: 0.991/2pw: 358 μ s p \rightarrow v: 666 μ s β_T : -1.3 β_D : 0.79 β_P : 1.8 SI: -0.34

Session FR: 0.154 Hz

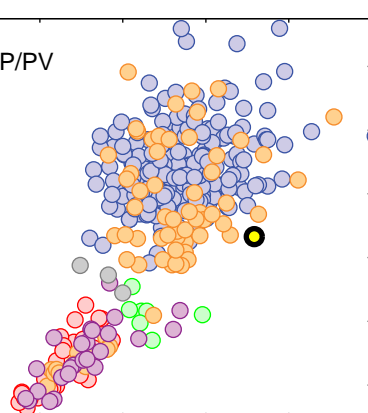
Pk Ev: 6 - Side In (Contra)

Pk FR: 9.36Hz (0.48s) **M1_p**

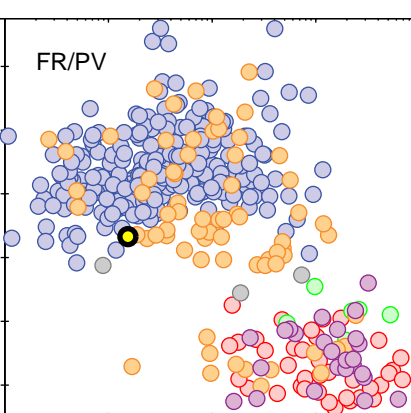
Waveform



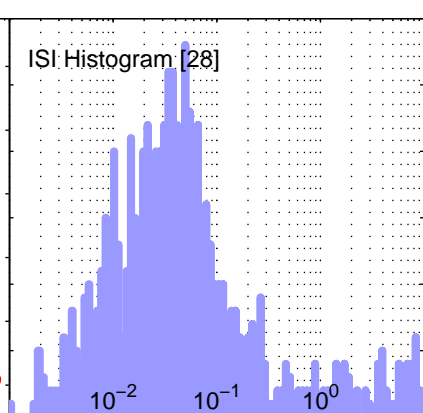
HP/PV



FR/PV



ISI Histogram [28]



10

20

30

40

50

60

70

1 Cue On [77]

2 Nose In [77]

3 Tone [44,33]

4 Go [77]

5 Choice [38,39]

6 Side In [38,39]

7 Nose Out [38,39]

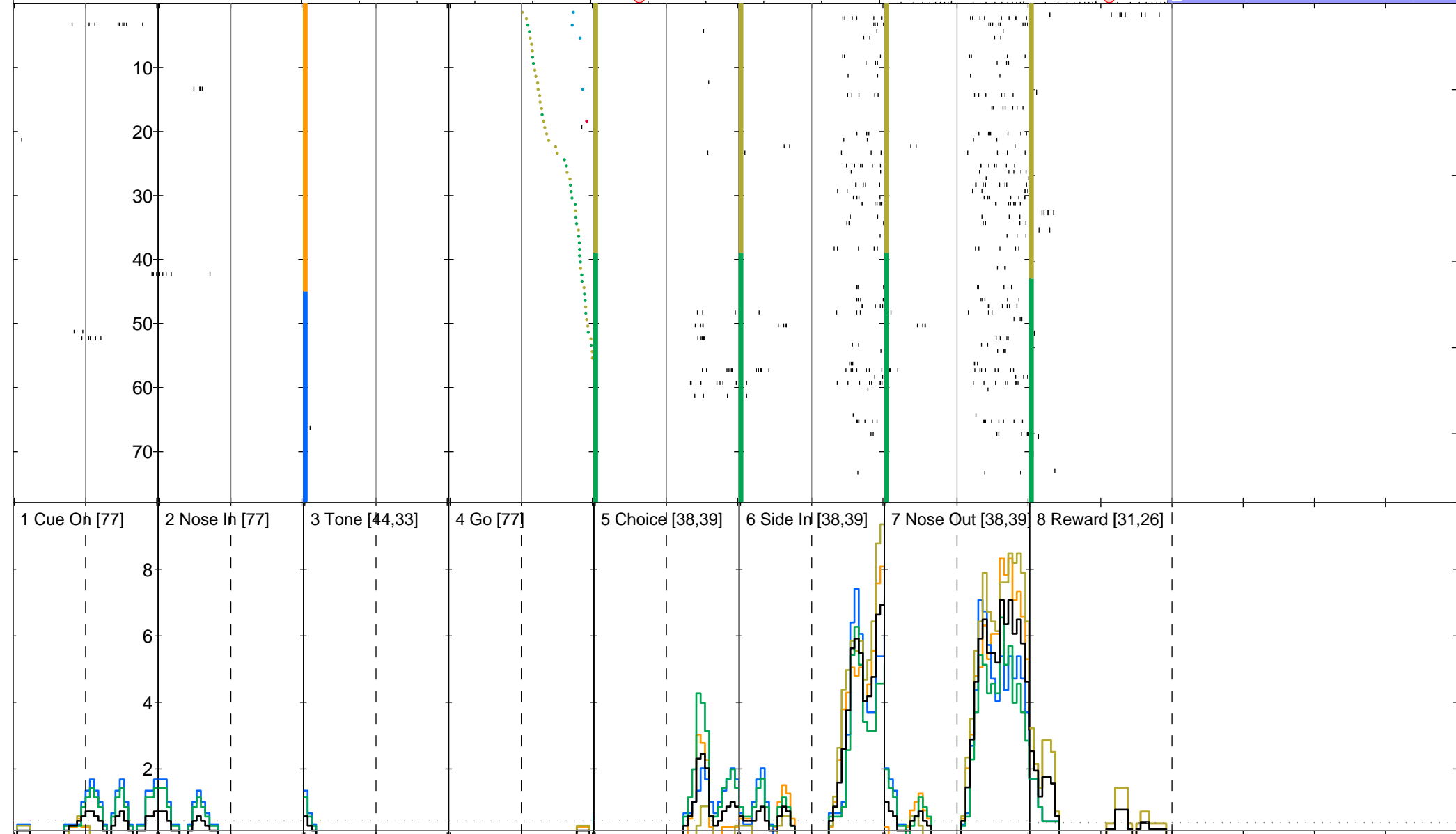
8 Reward [31,26]

8

6

4

2



Cell: C1220071022T03a

AP: 3.2 ML: 2.6 DV: 1.8

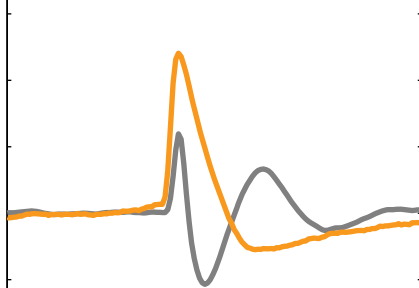
w: 4 n: 584 $P_{ISI>2}$: 0.821/2pw: 370 μ s p \rightarrow v: 923 μ s β_T : NaN β_D : NaN β_P : NaN SI: 0.6

Session FR: 0.587 Hz

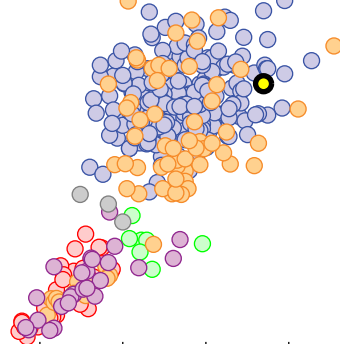
Pk Ev: 7 - Nose out (Ipsi)

Pk FR: 6.94Hz (-0.33s) **M1_p**

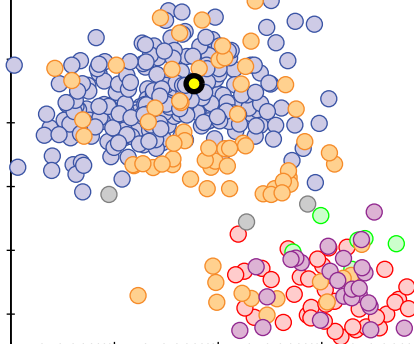
Waveform



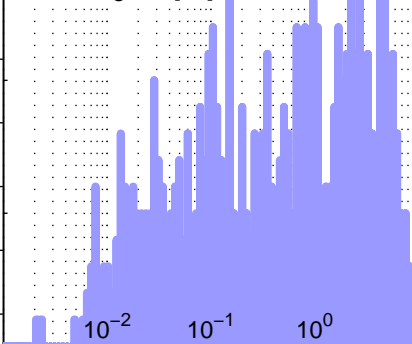
HP/PV



FR/PV



ISI Histogram [14]

5
10
15
20
25

1 Cue On [24]

2 Nose In [24]

3 Tone [14,10]

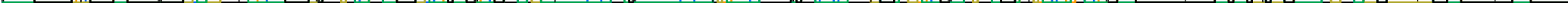
4 Go [24]

5 Choice [16,8]

6 Side In [16,8]

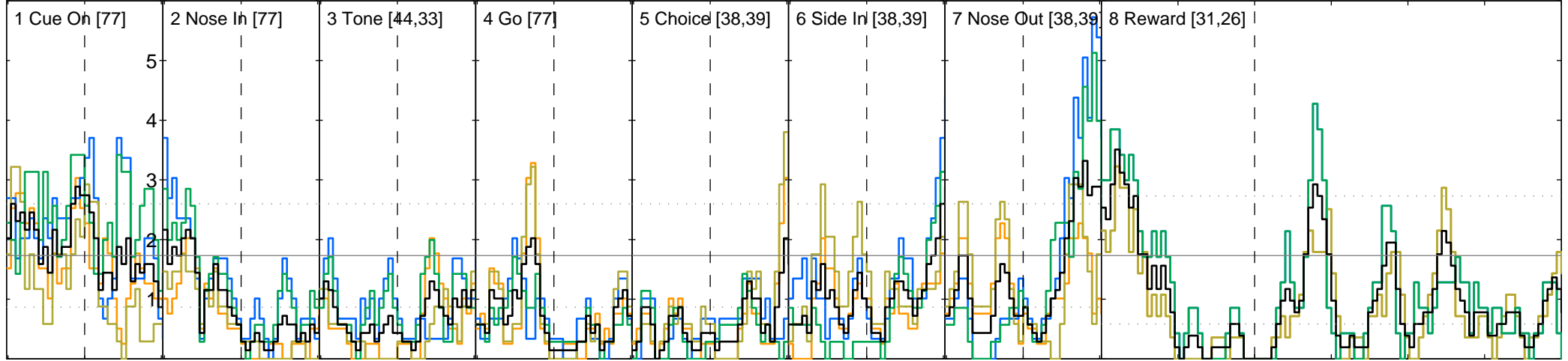
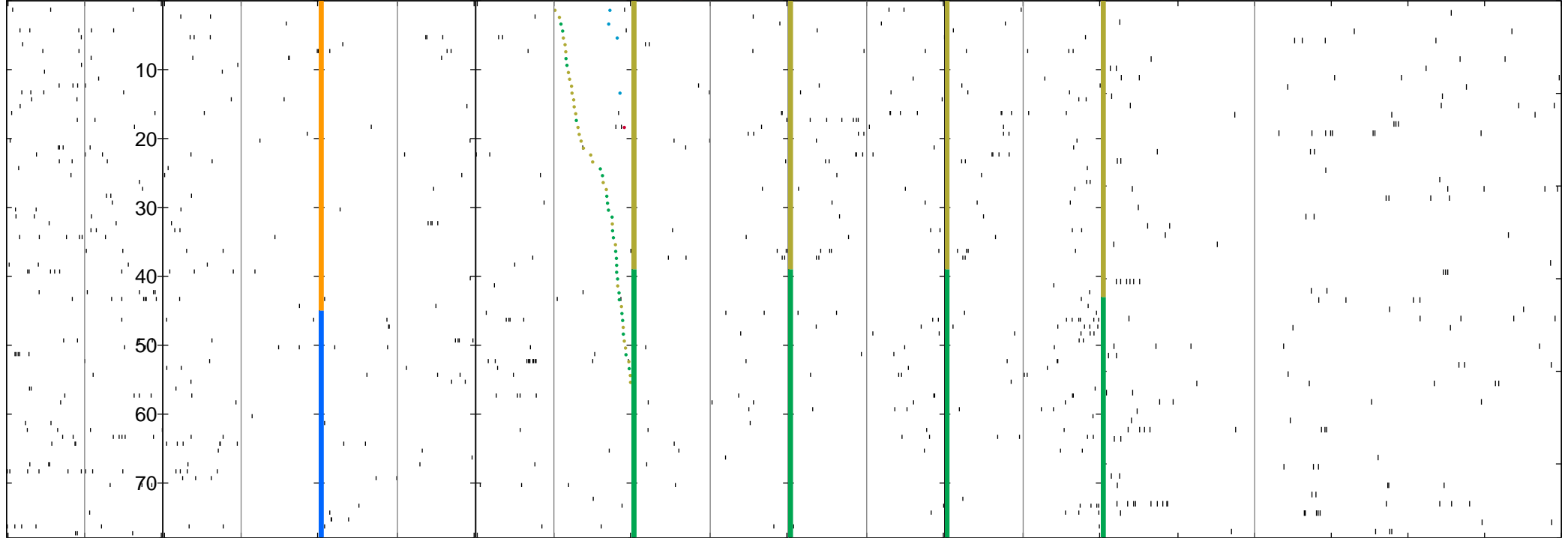
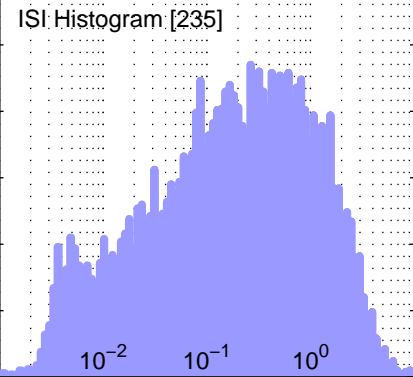
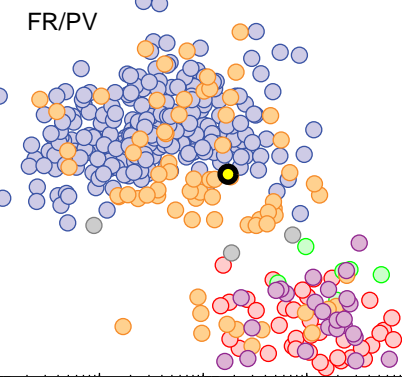
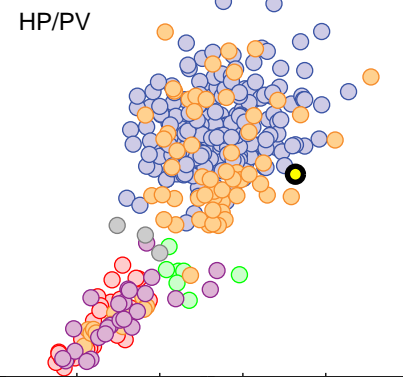
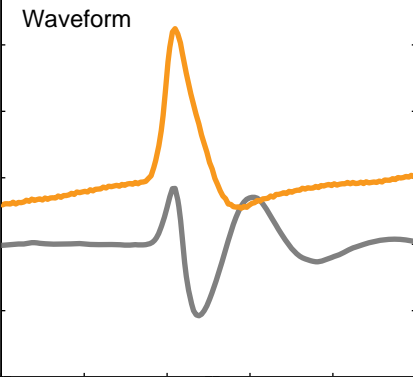
7 Nose Out [16,8]

8 Reward [13,7]

7
6
5
4
3
2
1

Cell: C1220071025T01b

AP: 4.2 ML: 3.6 DV: 1.6
w: 2 n: 11684 $P_{ISI>2}$: 0.4
1/2pw: 363 μ s p->v: 736 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 1.73 Hz
Pk Ev: 7 - Nose out (Tone2)
Pk FR: 5.72Hz (0.45s) **M1_p**

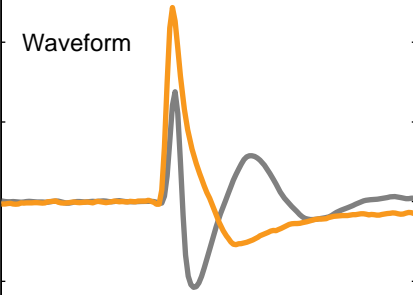


Cell: C0420070227T02a

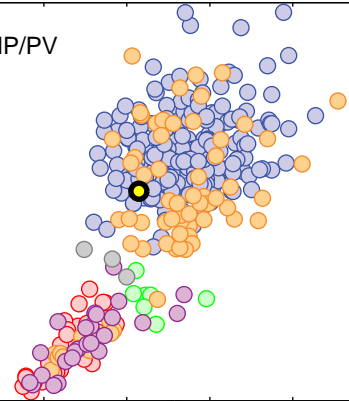
AP: 3.7 ML: 2.8 DV: 3
w: 4 n: 275 $P_{ISI>2}$: 0.99
1/2pw: 214 μ s p->v: 758 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0508 Hz
Pk Ev: None
Pk FR: --

M1_P

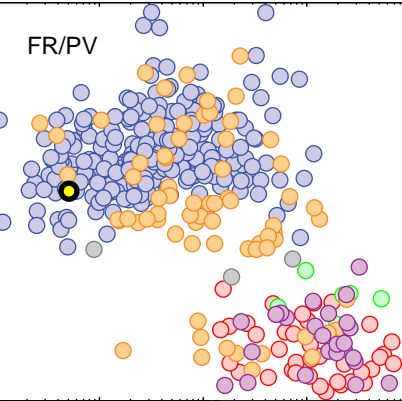
Waveform



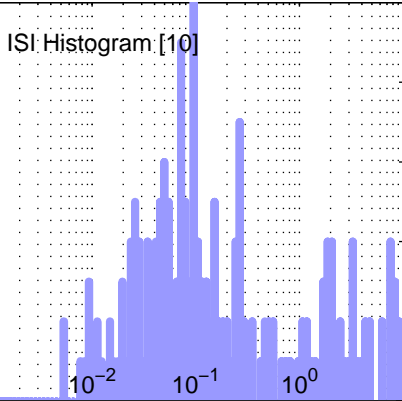
HP/PV



FR/PV



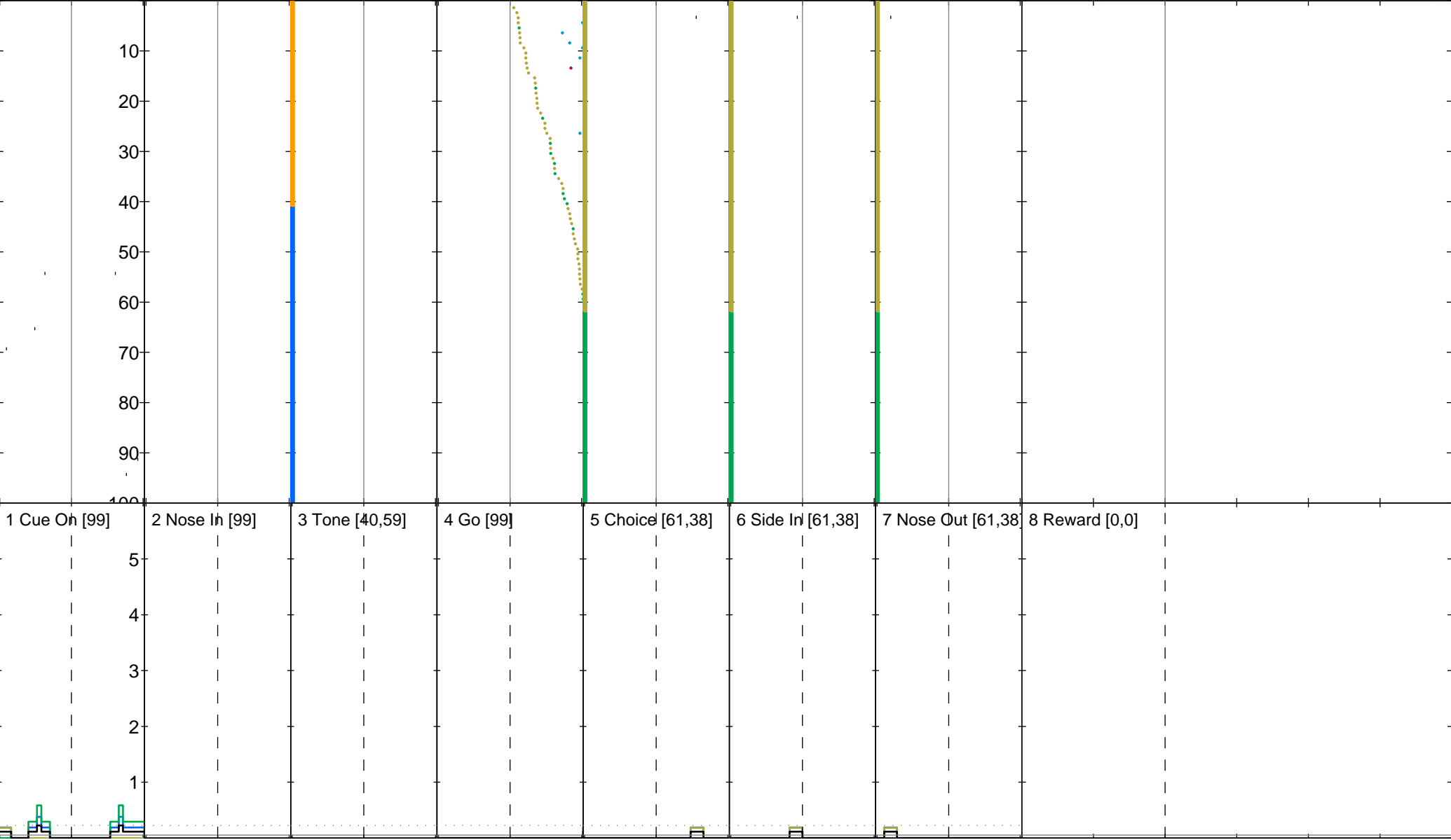
ISI Histogram [10]



10
20
30
40
50
60
70
80
90
100

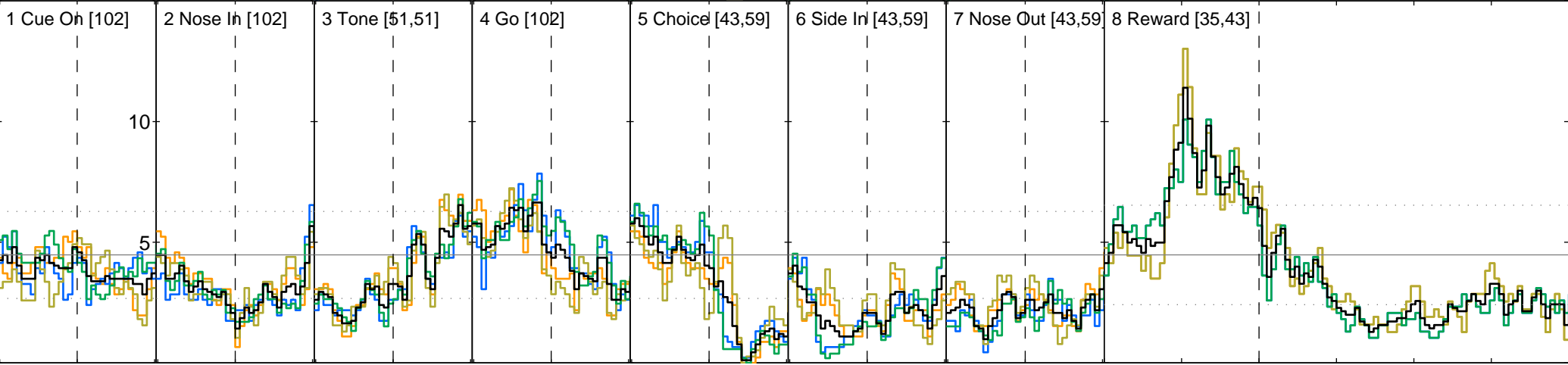
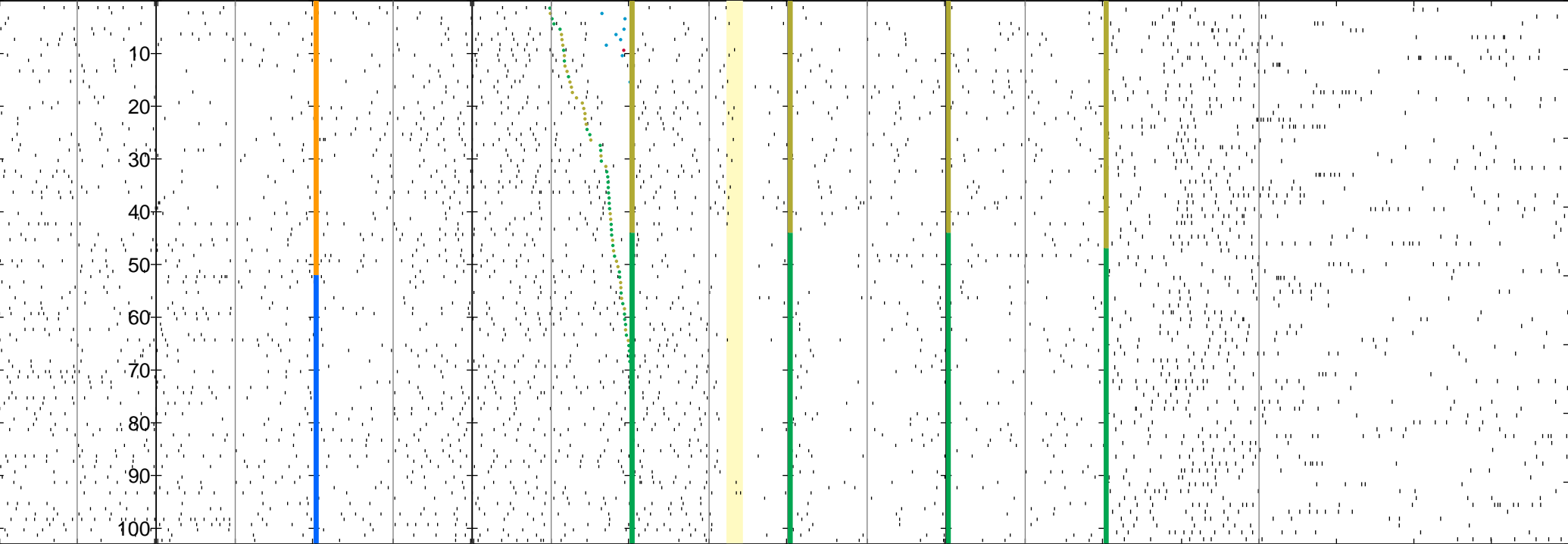
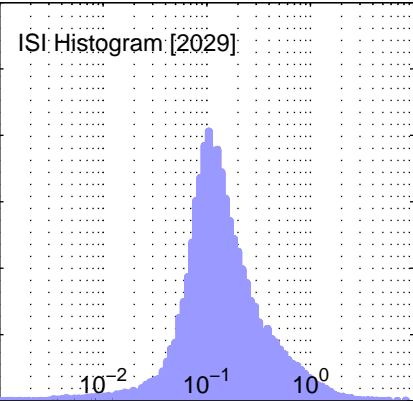
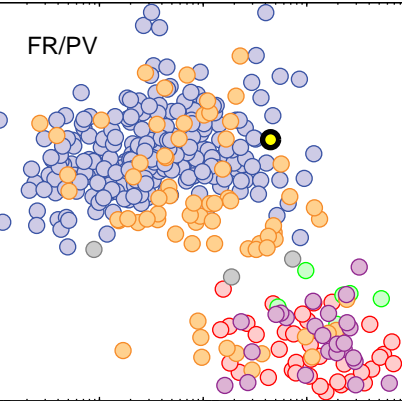
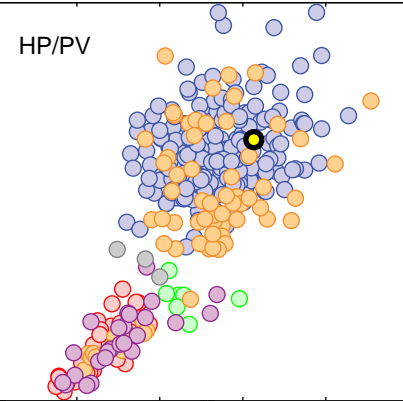
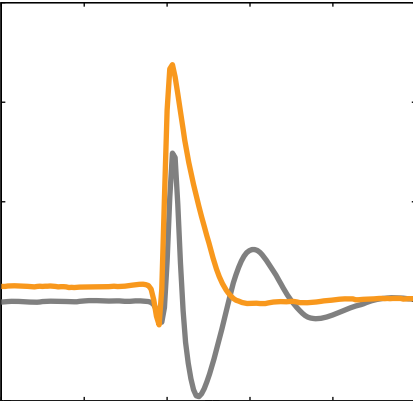
1 Cue On [99] 2 Nose In [99] 3 Tone [40,59] 4 Go [99] 5 Choice [61,38] 6 Side In [61,38] 7 Nose Out [61,38] 8 Reward [0,0]

5
4
3
2
1



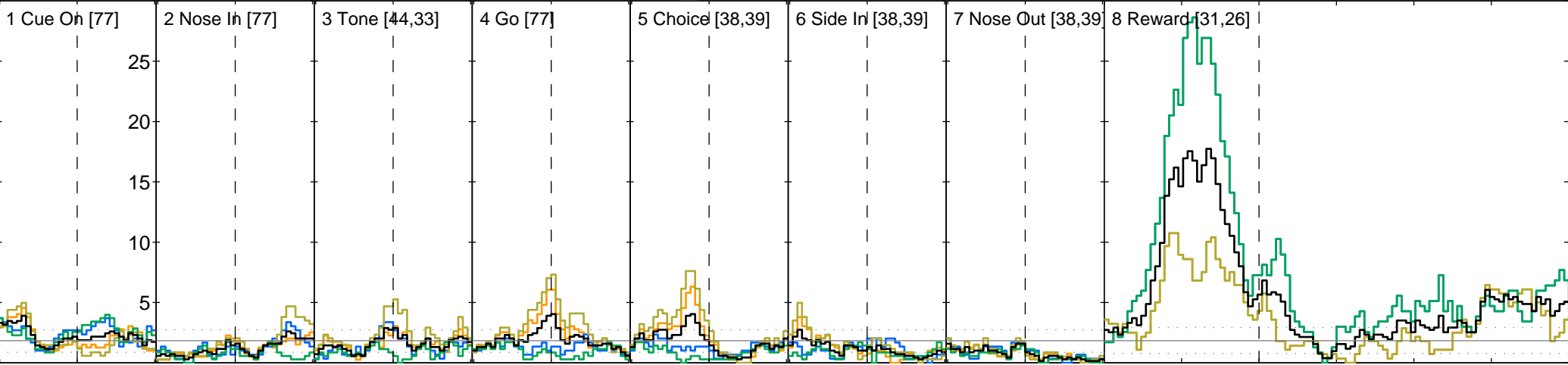
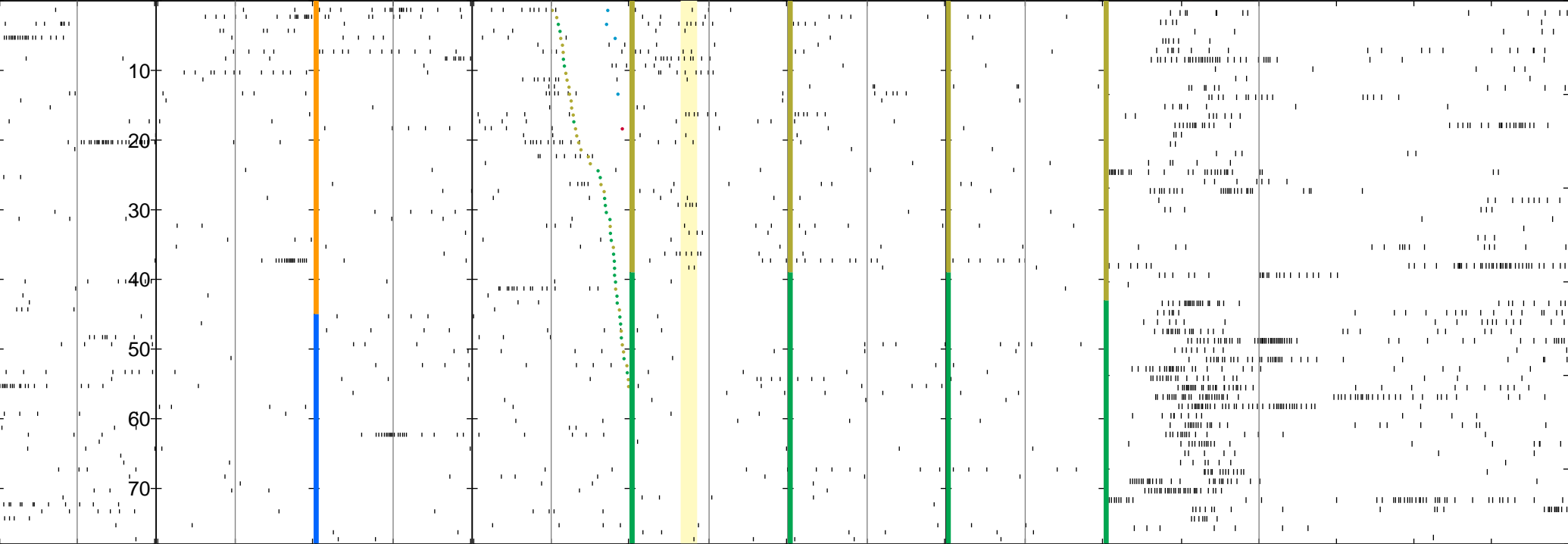
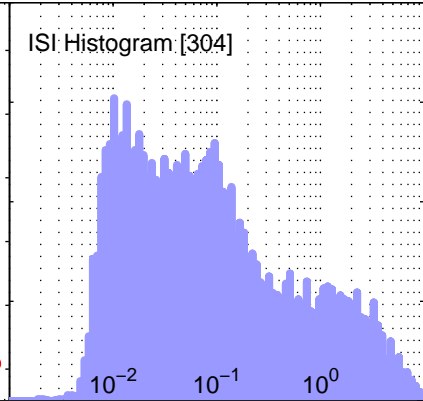
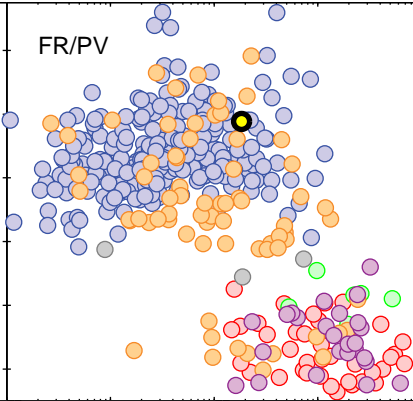
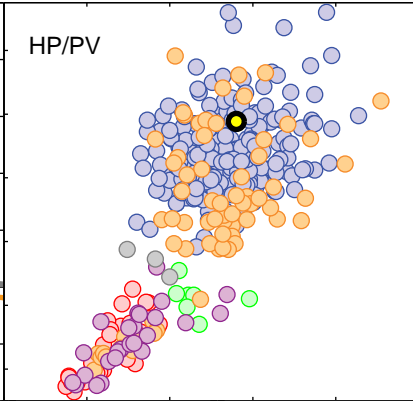
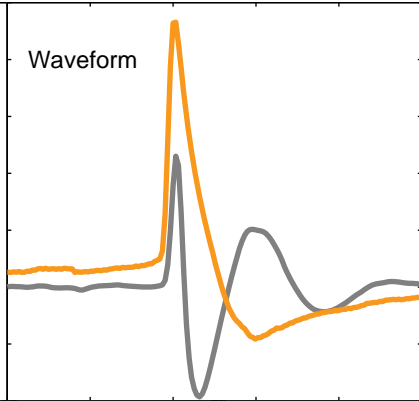
Cell: C1220071024T03a

AP: 3.2 ML: 2.6 DV: 1.9
w: 4 n: 32949 $P_{ISI>2}$: 0.048
1/2pw: 314 μ s p->v: 920 μ s
 β_T : 3 β_D : -4.8
 β_P : -3.3 SI: NaN
Session FR: 4.47 Hz
Pk Ev: 8 - Reward (T1/Con) **M1_p**
Pk FR: 13Hz (-0.49s)



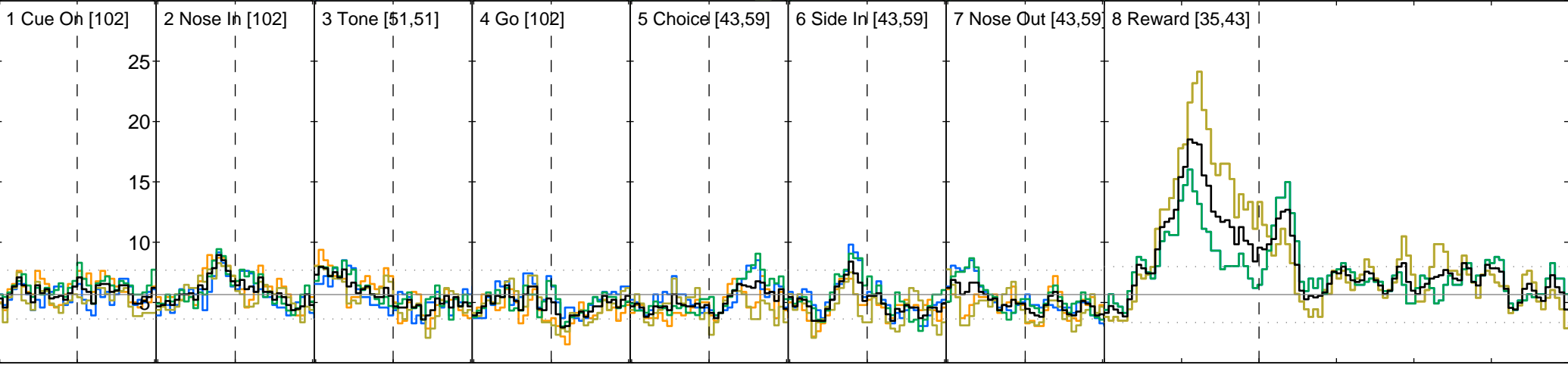
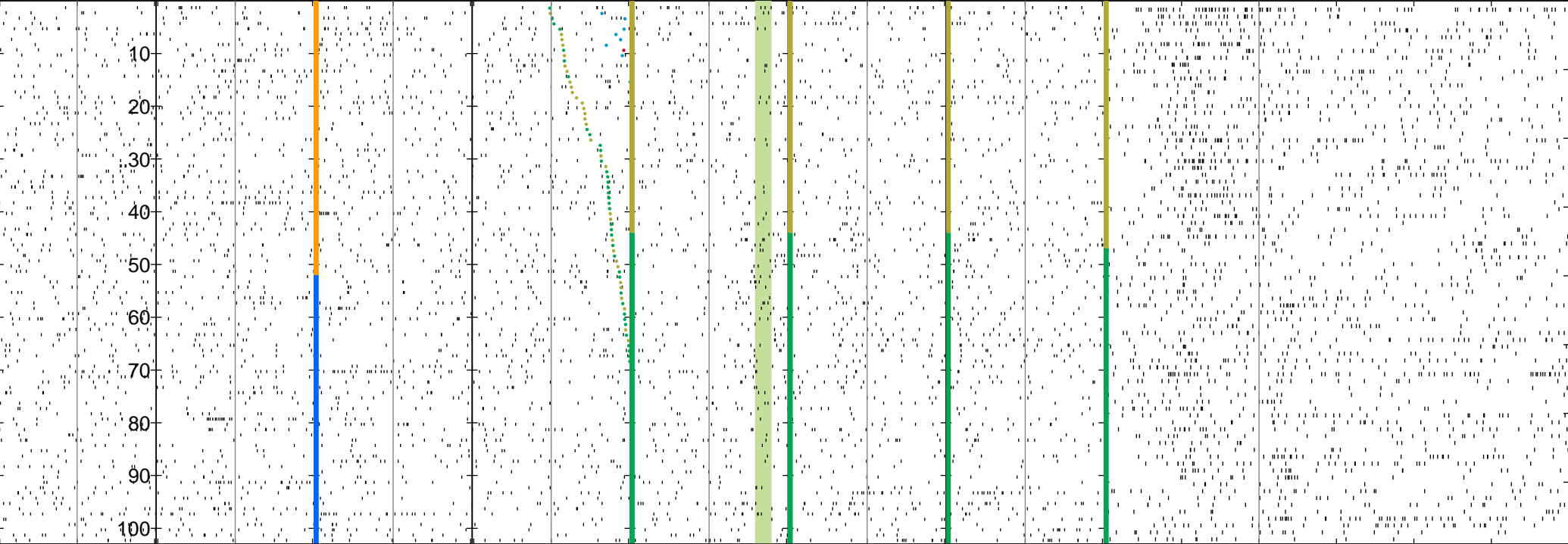
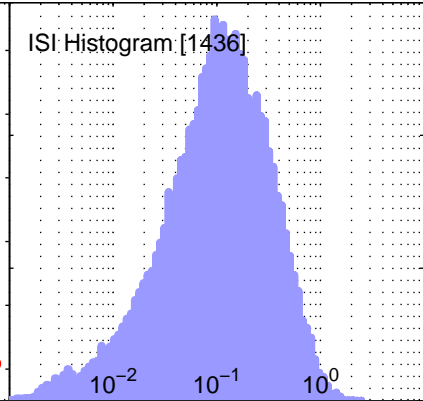
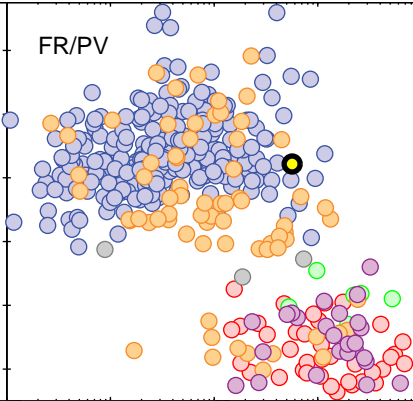
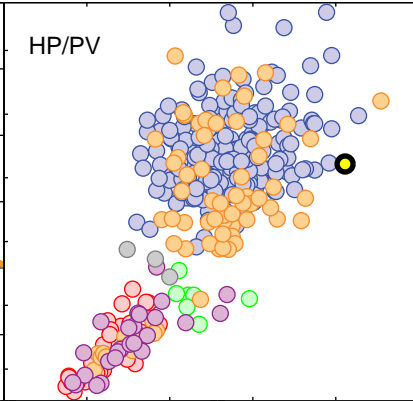
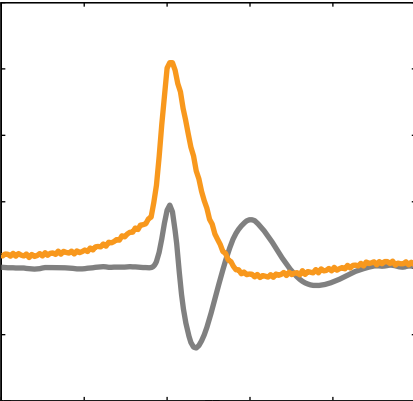
Cell: C1220071025T03a

AP: 3.2 ML: 2.6 DV: 2
w: 3 n: 12407 $P_{ISI>2}$: 0.63
1/2pw: 280 μ s p->v: 978 μ s
 β_T : -1.2 β_D : -3.2
 β_P : 1.7 SI: NaN
Session FR: 1.84 Hz
Pk Ev: 8 - Reward (T2/Ipsi)
Pk FR: 28.6Hz (-0.43s) **M1_p**



Cell: C1220071024T03b

AP: 3.2 ML: 2.6 DV: 1.9
w: 4 n: 41688 $P_{ISI>2}$: 0.0018
1/2pw: 411 μ s p->v: 843 μ s
 β_T : 3 β_D : 3.8
 β_P : 2.9 SI: 0.42
Session FR: 5.66 Hz
Pk Ev: 8 - Reward (T1/Con) **M1_p**
Pk FR: 24.1Hz (-0.4s)



Cell: C1220071025R01b

AP: 3.2 ML: 2.6 DV: 2.4

w: 1 n: 724 $P_{ISI>2}$: 0.94

1/2pw: 293 μ s p->v: 669 μ s

β_T : NaN β_D : NaN

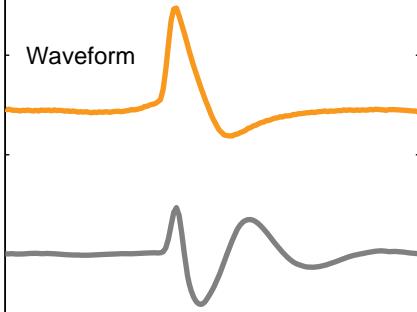
β_P : NaN SI: NaN

Session FR: 0.365 Hz

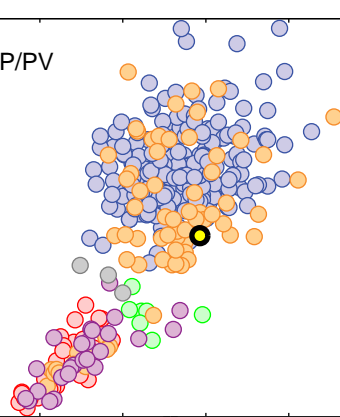
Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 19.3Hz (-0.31s) **M1_p**

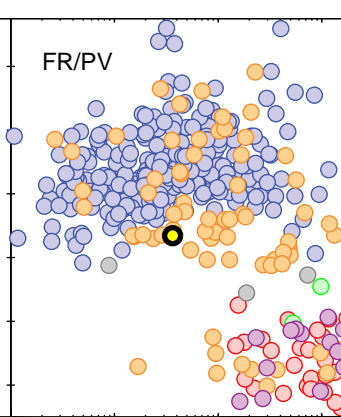
Waveform



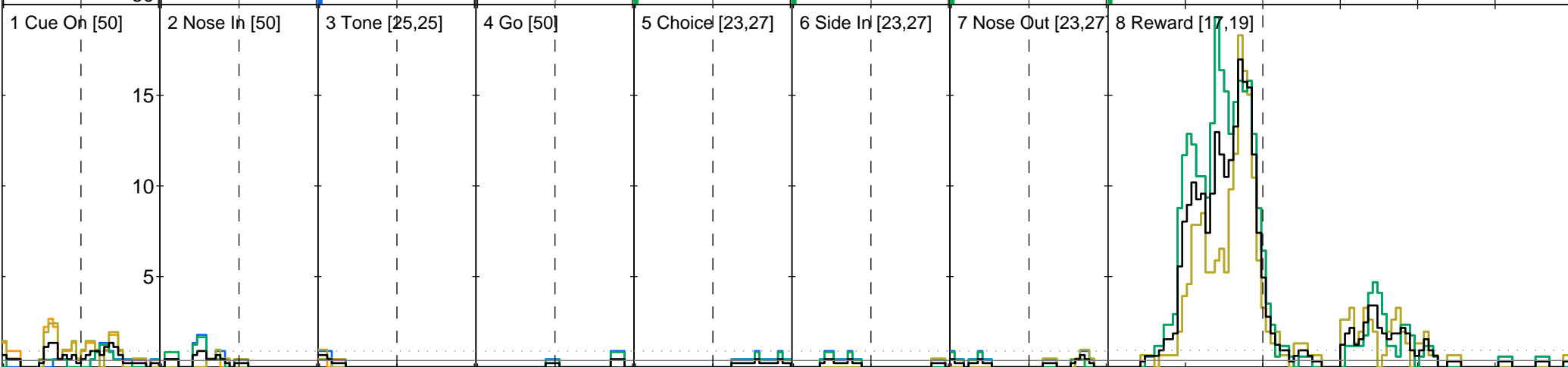
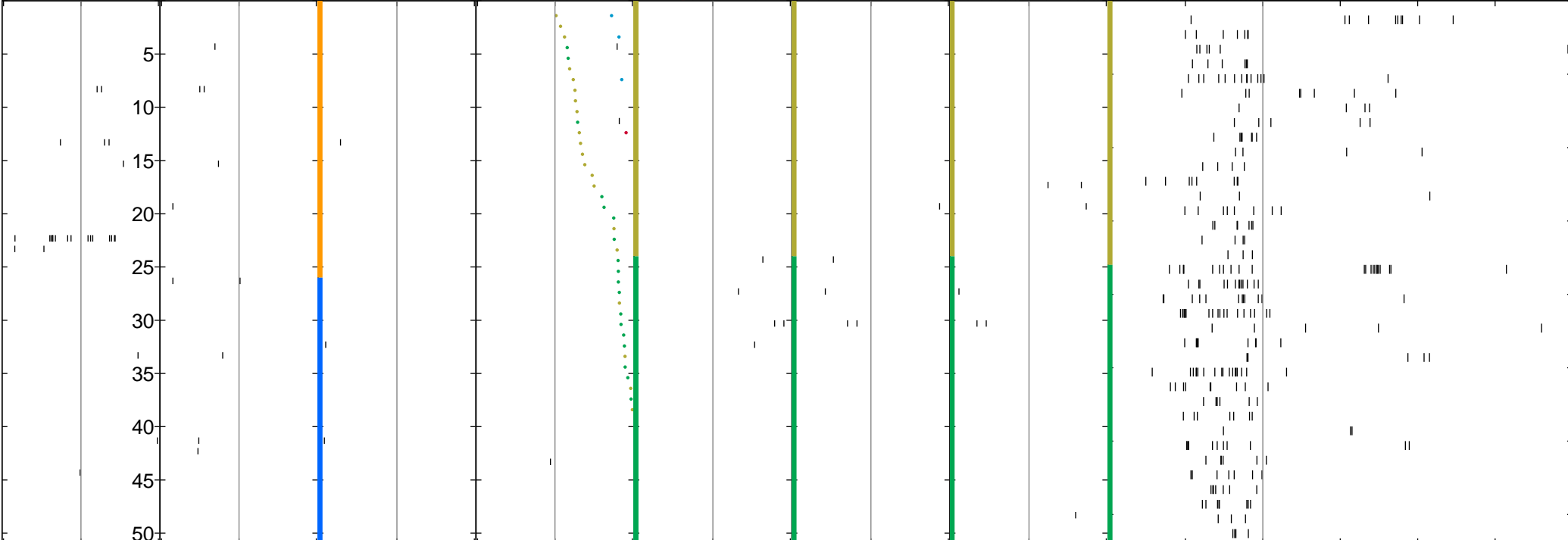
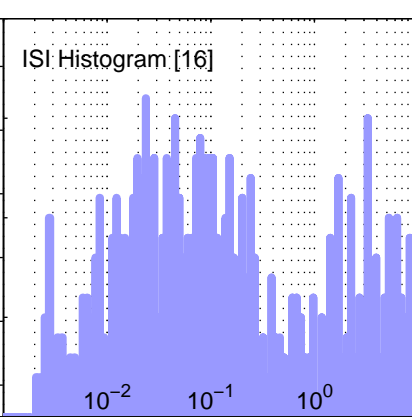
HP/PV



FR/PV



ISI Histogram [16]



Cell: C1220071114T03e

AP: 3.2 ML: 2.6 DV: 2.4

w: 2 n: 5741 $P_{ISI>2}$: 0.72

1/2pw: 261 μ s p->v: 680 μ s

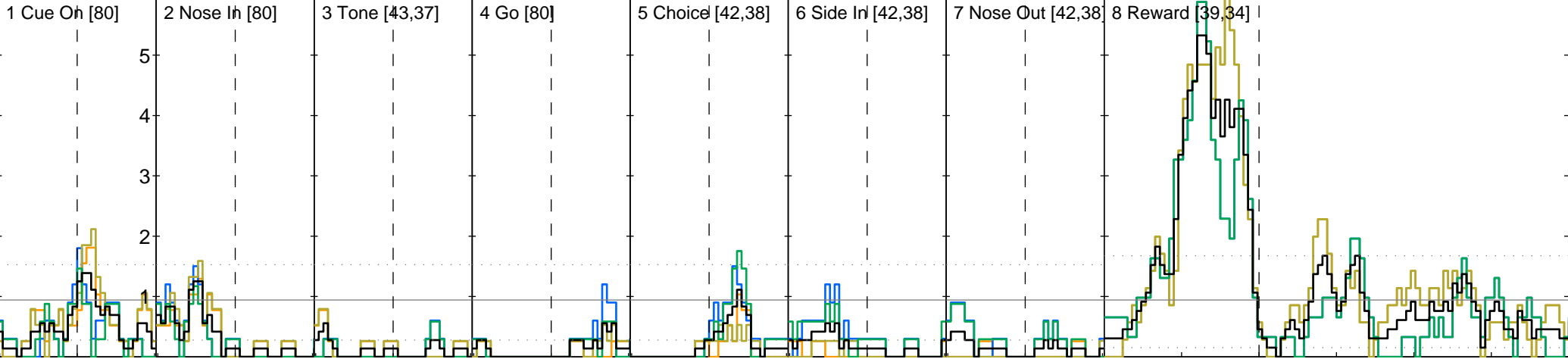
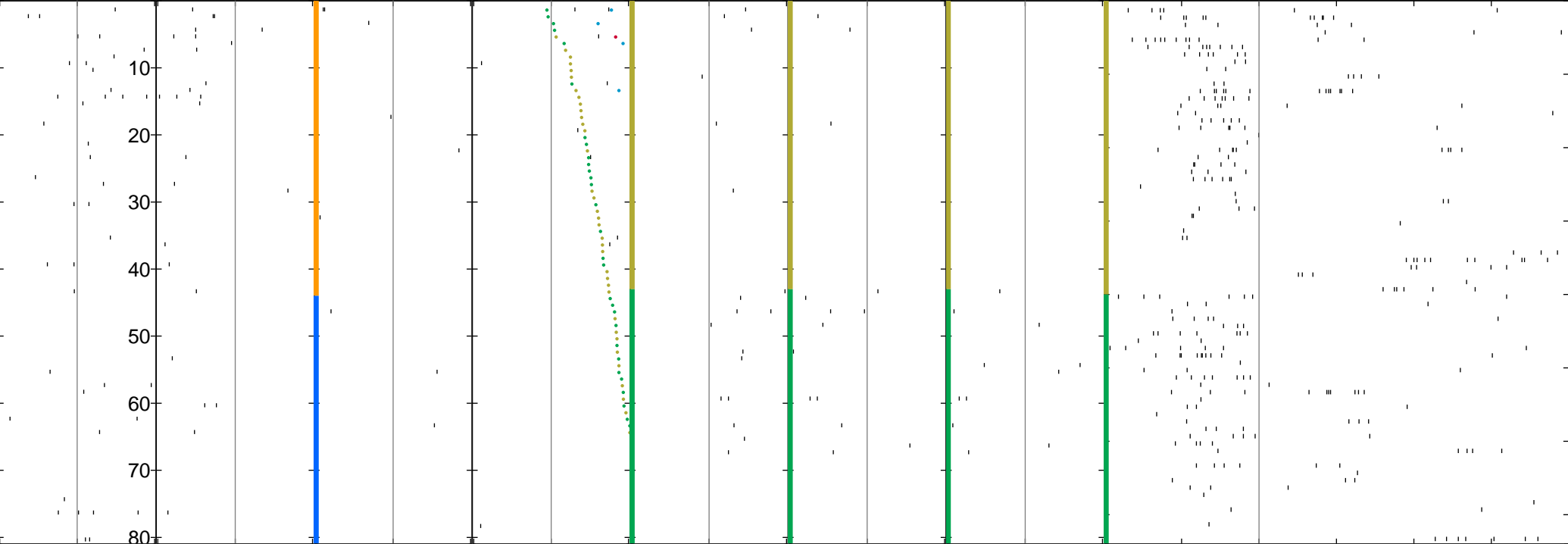
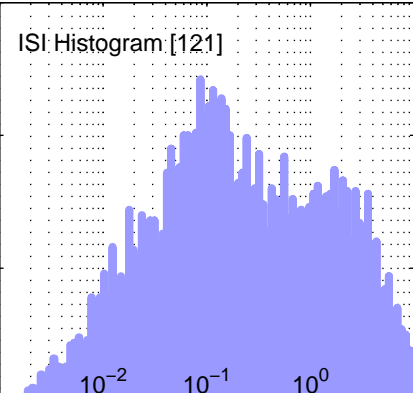
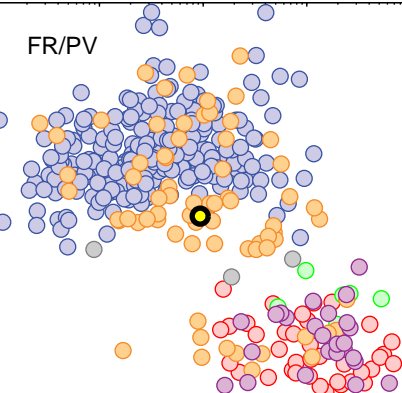
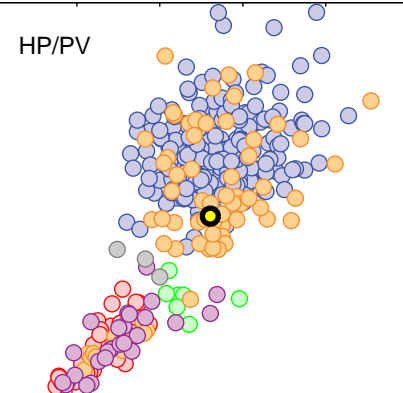
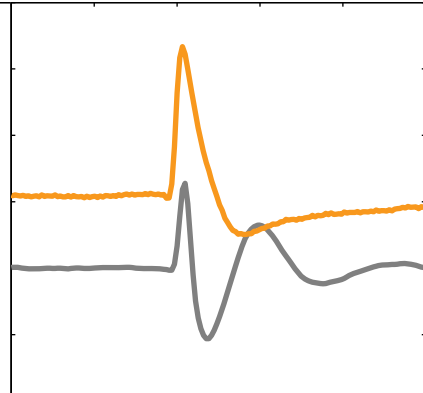
β_T : NaN β_D : NaN

β_P : NaN SI: NaN

Session FR: 0.942 Hz

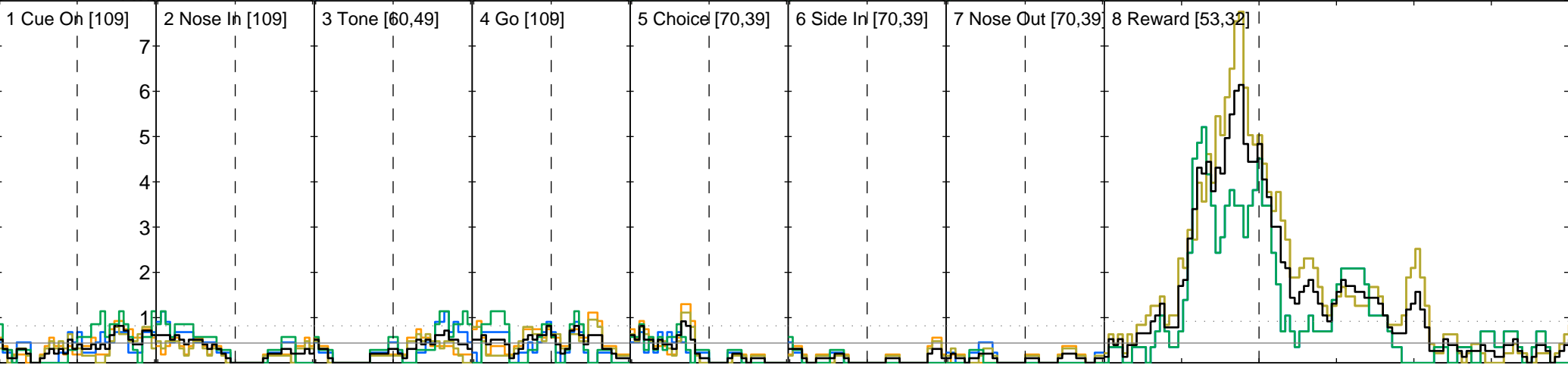
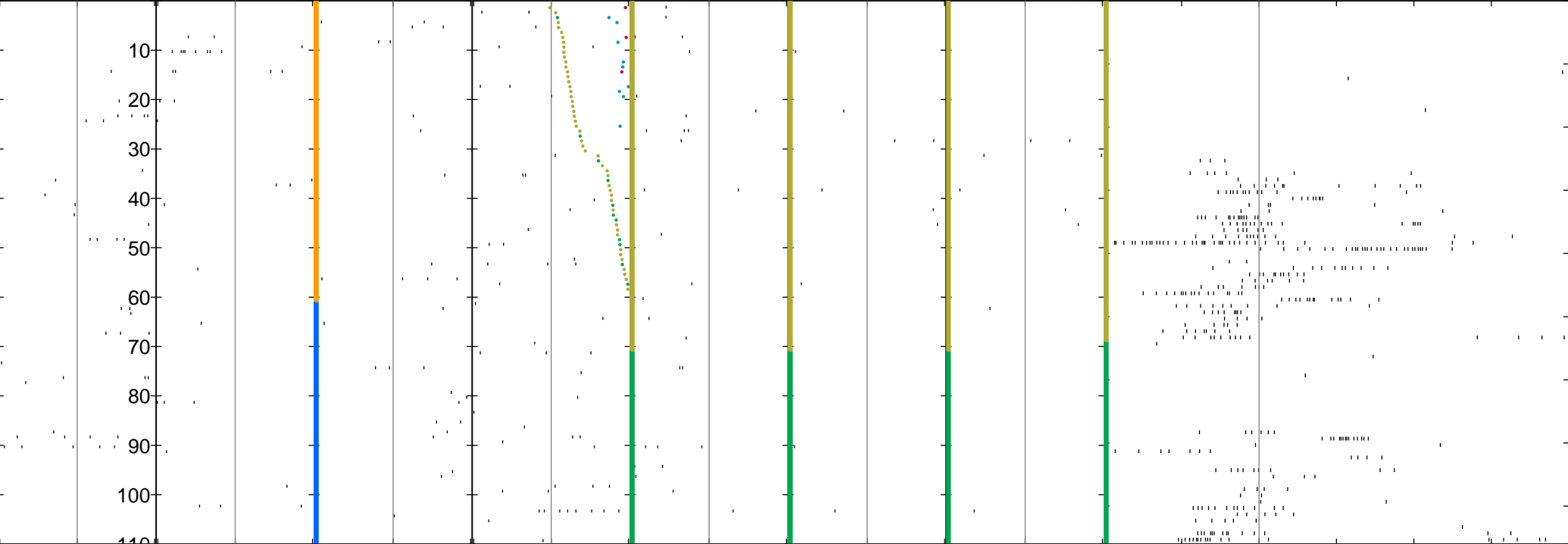
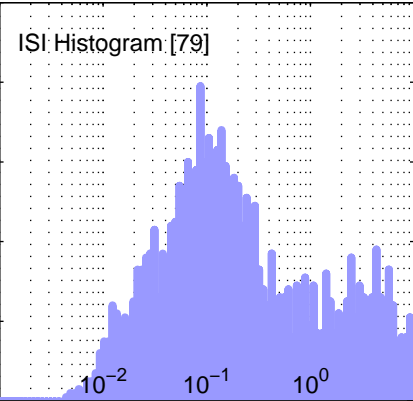
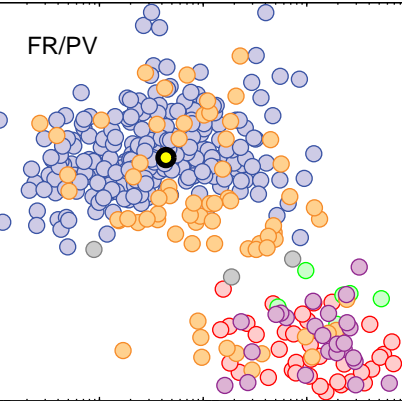
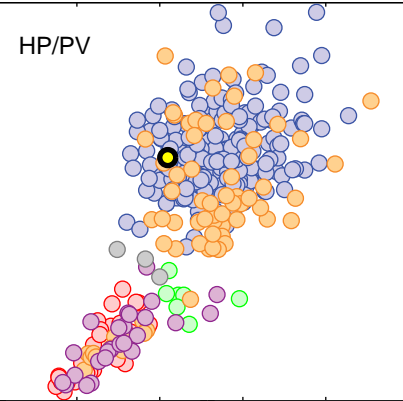
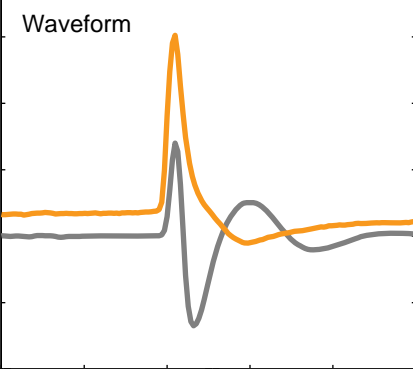
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 5.98Hz (-0.22s) **M1_p**



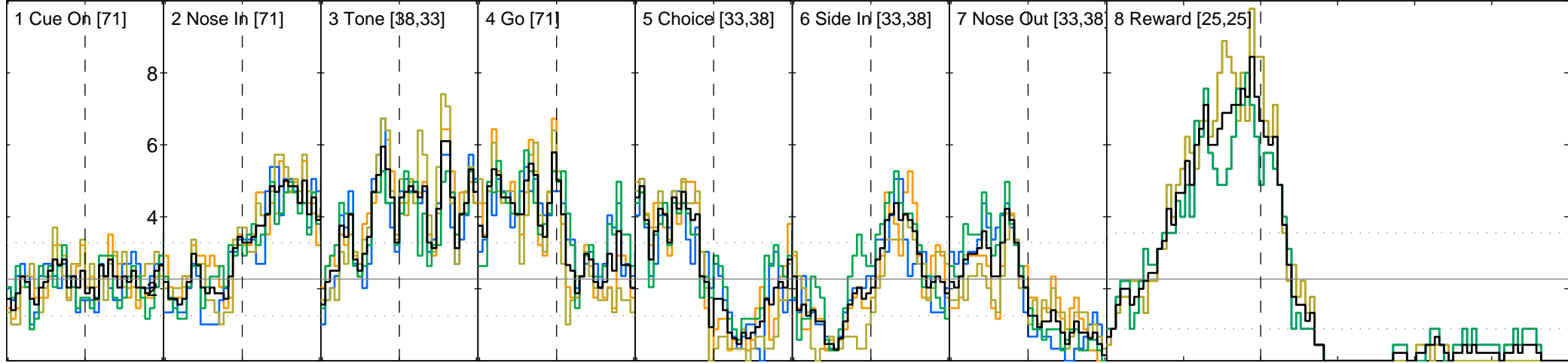
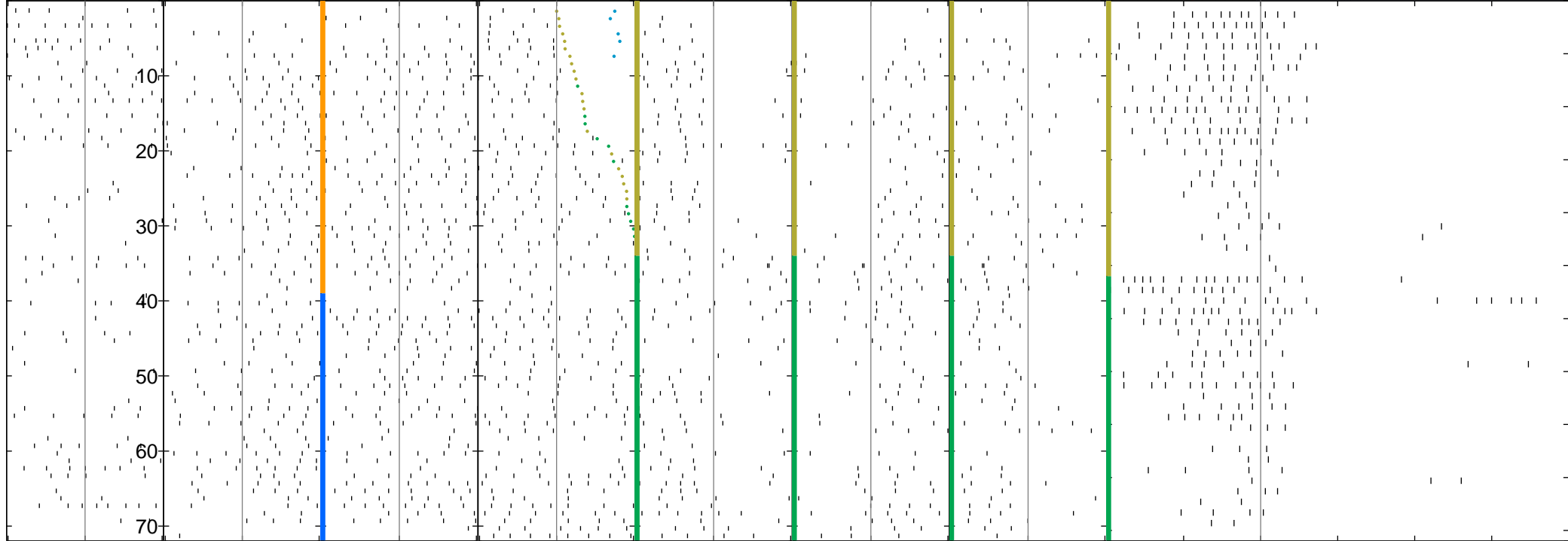
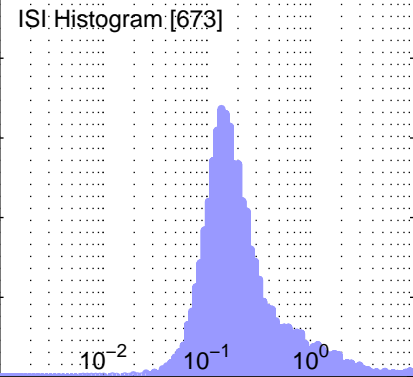
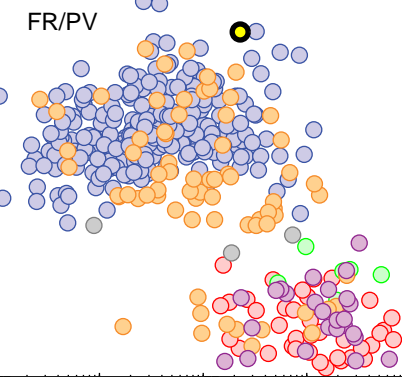
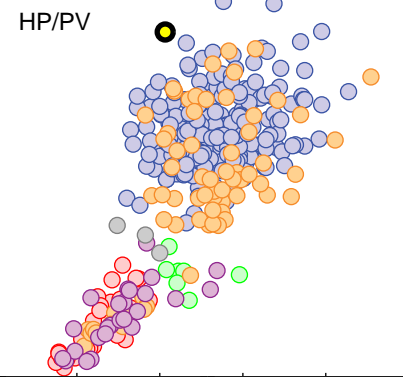
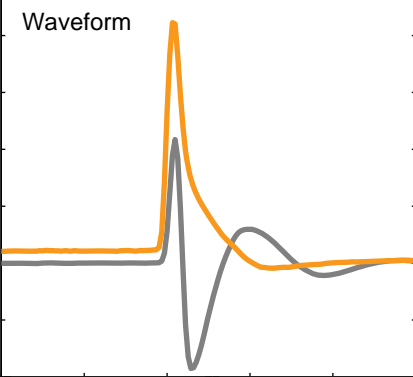
Cell: C0420070226T02a

AP: 3.7 ML: 2.8 DV: 3
w: 2 n: 2722 $P_{ISI>2}$: 0.9
1/2pw: 210 μ s p->v: 864 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.438 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 7.76Hz (-0.13s) **M1_p**



Cell: C0420070312T02a

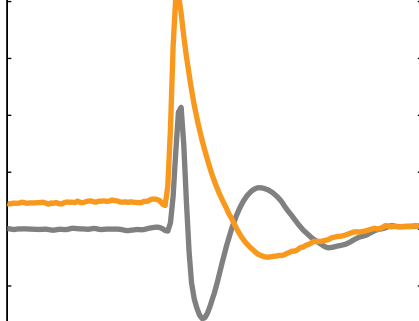
AP: 3.7 ML: 2.8 DV: 3.2
w: 2 n: 10134 $P_{ISI>2}$: 0.36
1/2pw: 206 μ s p \rightarrow v: 1182 μ s
 β_T : 2.3 β_D : 2.5
 β_P : 2.6 SI: 0.22
Session FR: 2.27 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 9.78Hz (-0.07s) **M1_p**



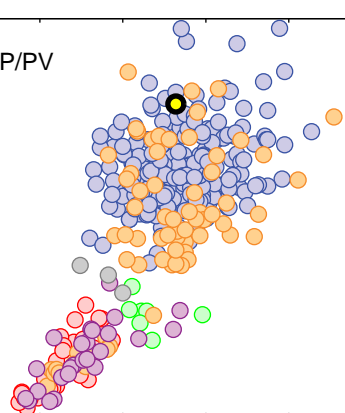
Cell: C0420070314T02b

AP: 3.7 ML: 2.8 DV: 3.3
w: 1 n: 3162 $P_{ISI>2}$: 0.89
1/2pw: 264 μ s p \rightarrow v: 1082 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.426 Hz
Pk Ev: 8 - Reward (T2/Ipsi)
Pk FR: 21.2Hz (-0.07s) **M1_P**

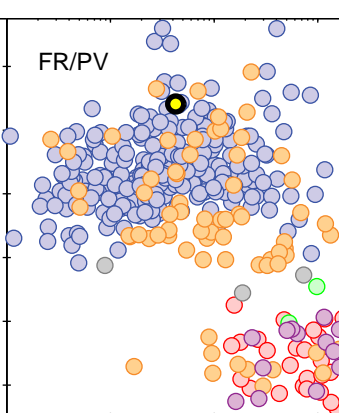
Waveform



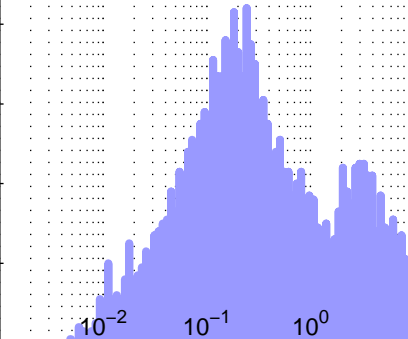
HP/PV



FR/PV



ISI Histogram [84]



10

20

30

40

50

60

1 Cue On [61]

2 Nose In [61]

3 Tone [33,28]

4 Go [61]

5 Choice [38,23]

6 Side In [38,23]

7 Nose Out [38,23]

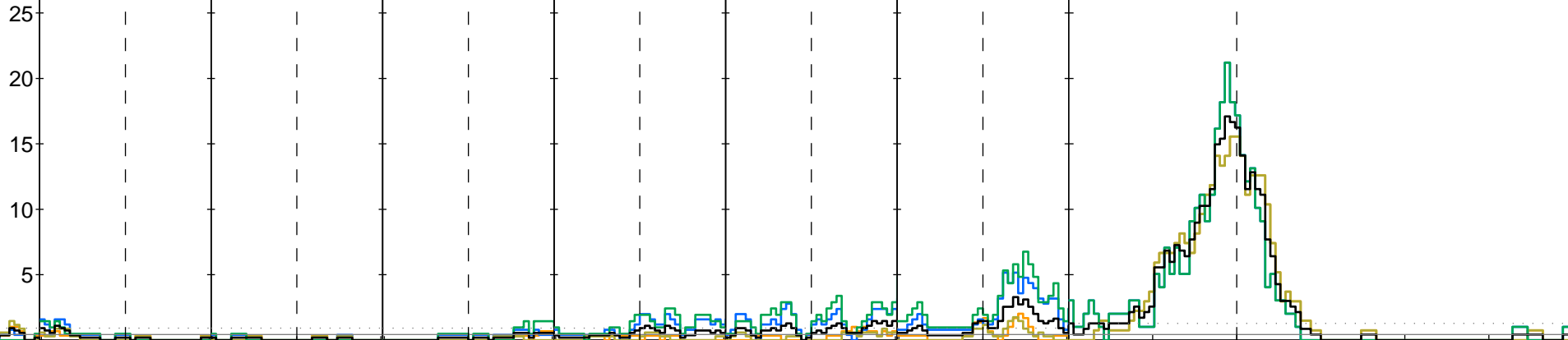
8 Reward [15,11]

25

15

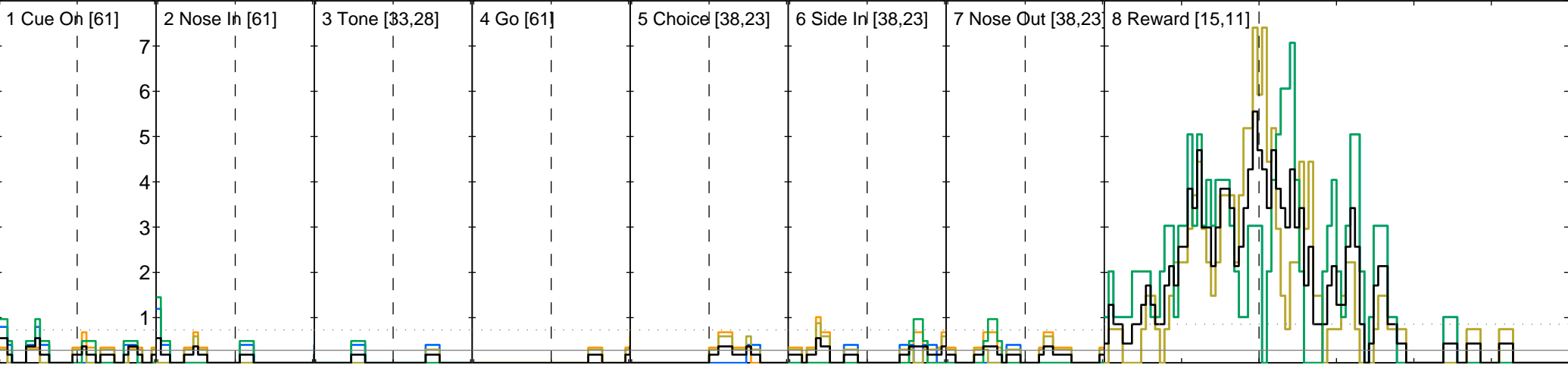
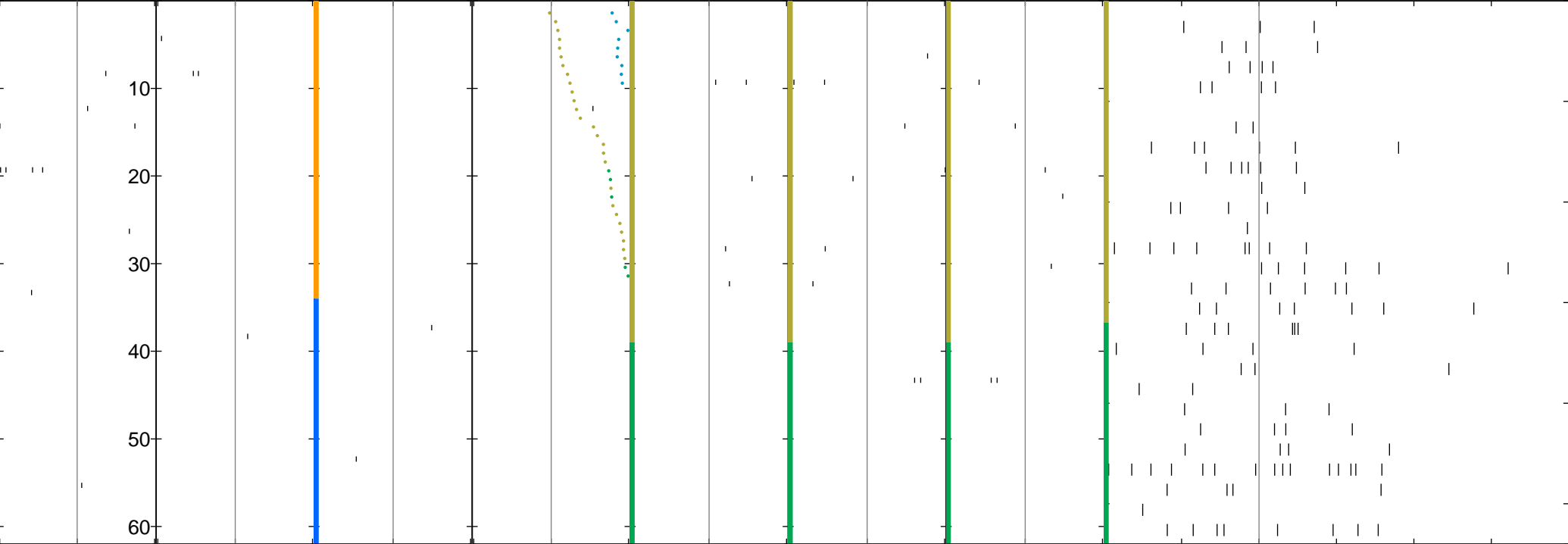
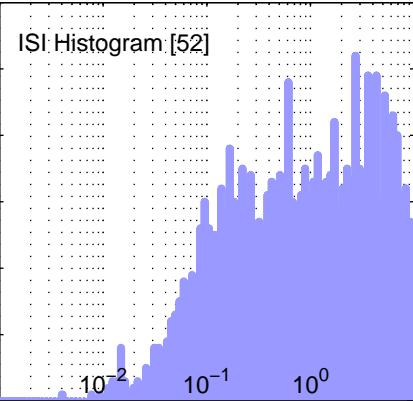
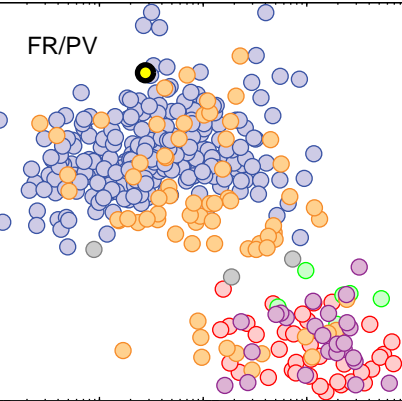
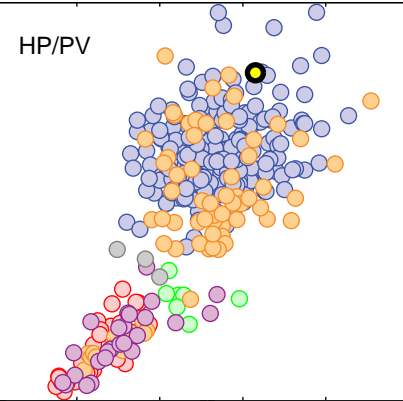
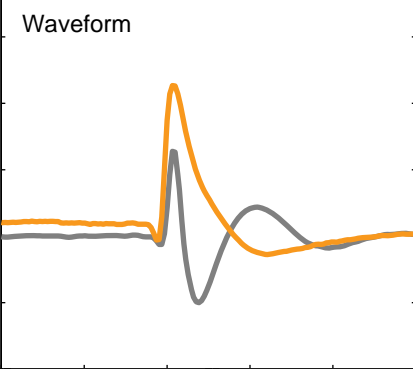
10

5



Cell: C0420070314T02h

AP: 3.7 ML: 2.8 DV: 3.3
w: 2 n: 2060 $P_{ISI>2}$: 0.91
1/2pw: 315 μ s p->v: 1130 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.278 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 7.41Hz (-0.04s) **M1_p**



Cell: C1220071028T03e

AP: 3.2 ML: 2.6 DV: 2.3

w: 4 n: 11054 $P_{ISI>2}$: 0.3

1/2pw: 251 μ s p->v: 728 μ s

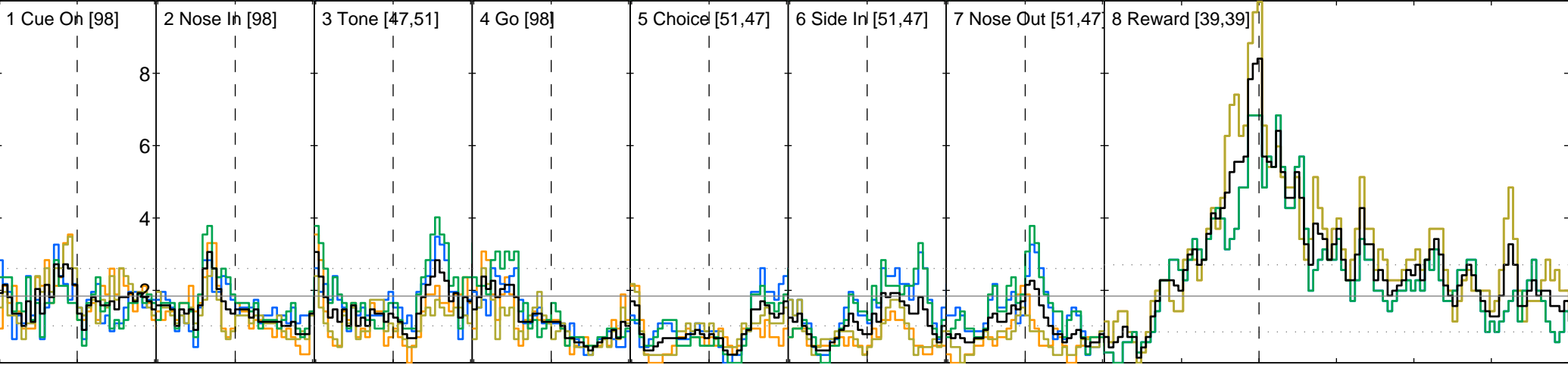
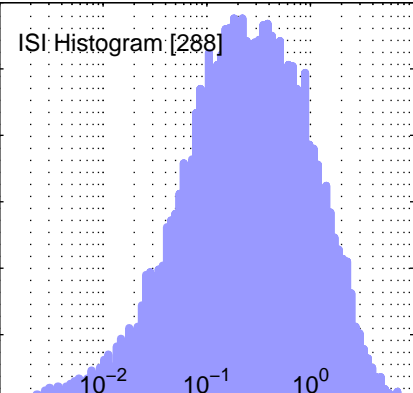
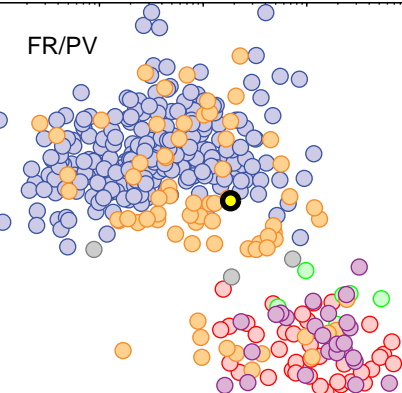
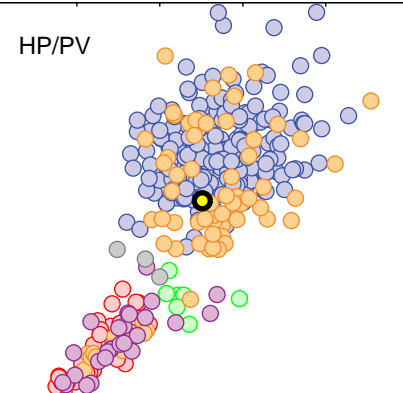
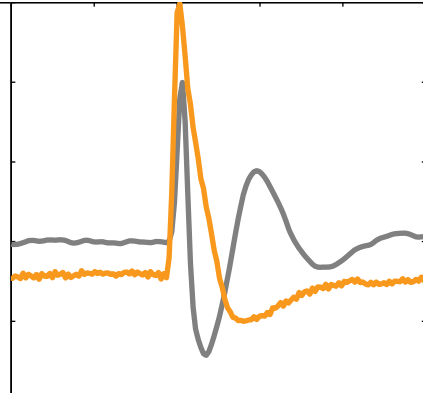
β_T : -0.51 β_D : 0.72

β_P : -0.72 SI: NaN

Session FR: 1.84 Hz

Pk Ev: 8 - Reward (T1/Con)

Pk FR: 9.97Hz (-0.01s) **M1_p**



Cell: C1220071115T03e

AP: 3.2 ML: 2.6 DV: 2.5

w: 3 n: 9113 $P_{ISI>2}$: 0.57

1/2pw: 278 μ s p \rightarrow v: 594 μ s

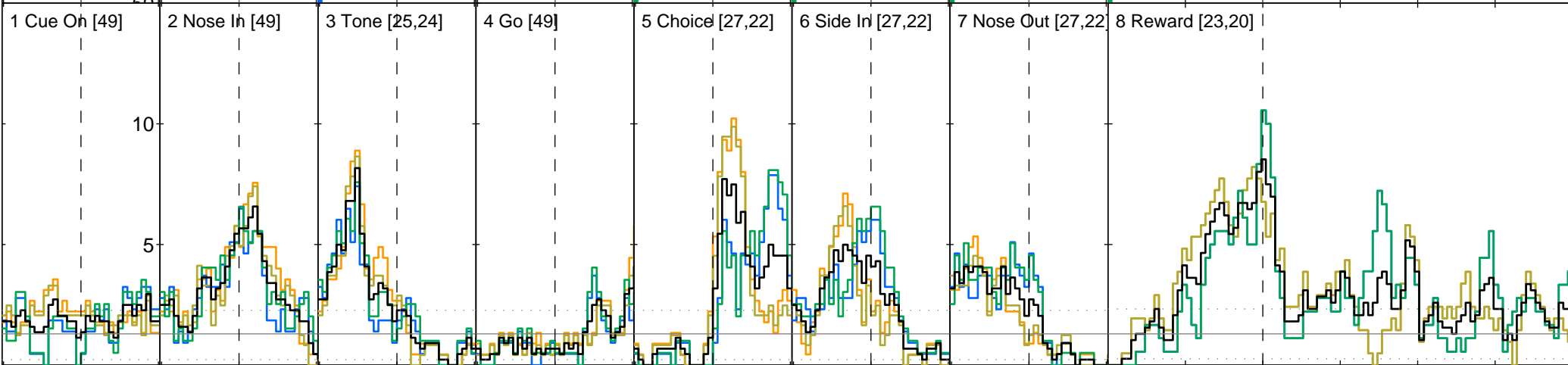
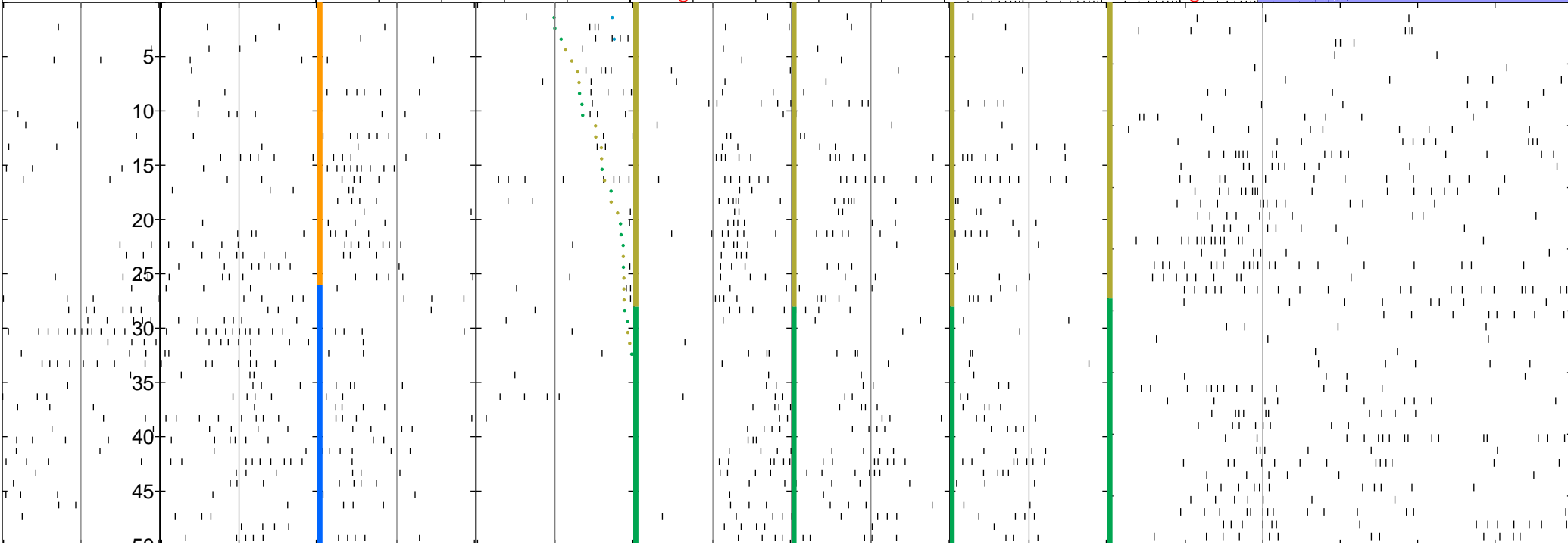
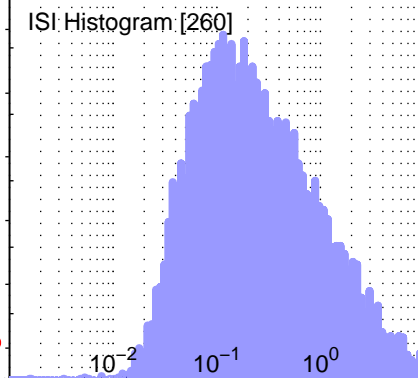
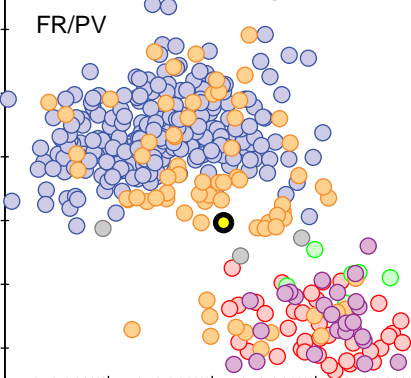
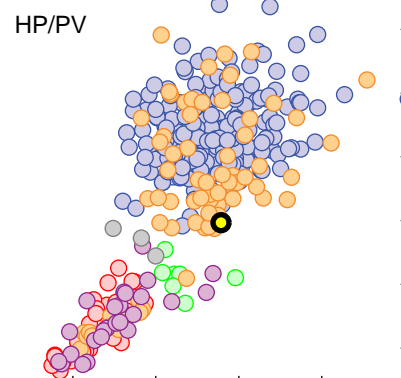
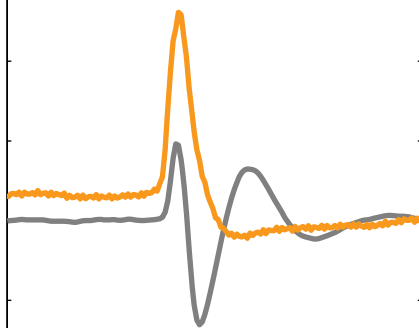
β_T : -2.3 β_D : 1.8

β_P : -3.4 SI: 0.74

Session FR: 1.29 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 10.6Hz (-0.01s) **M1_p**



Cell: C1220071024T02a

AP: 3.7 ML: 3.5 DV: 1.7

w: 1 n: 24474 $P_{ISI>2}$: 0.011

1/2pw: 322 μ s p->v: 706 μ s

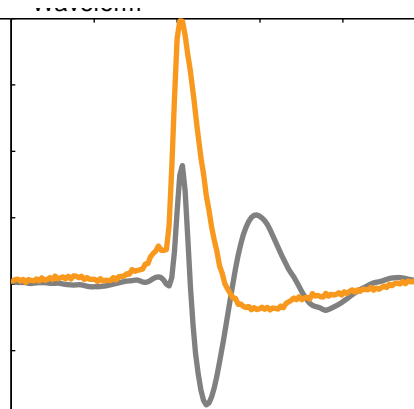
β_T : -2.7 β_D : 4

β_P : 4.8 SI: 0.42

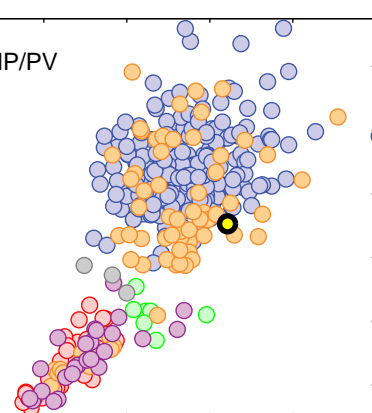
Session FR: 11.8 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

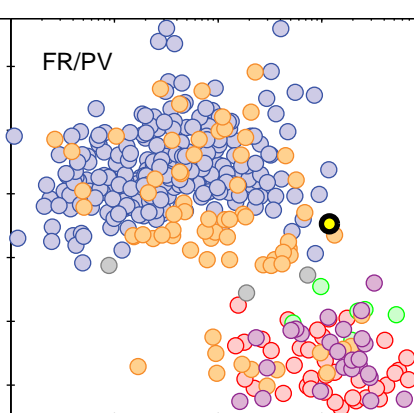
Pk FR: 22.8Hz (0.05s) M1_p



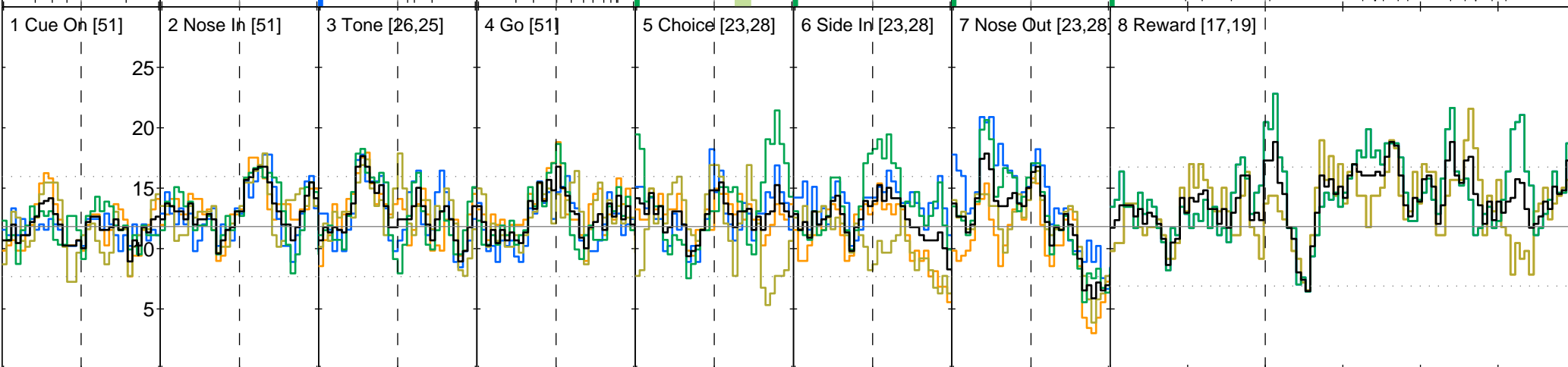
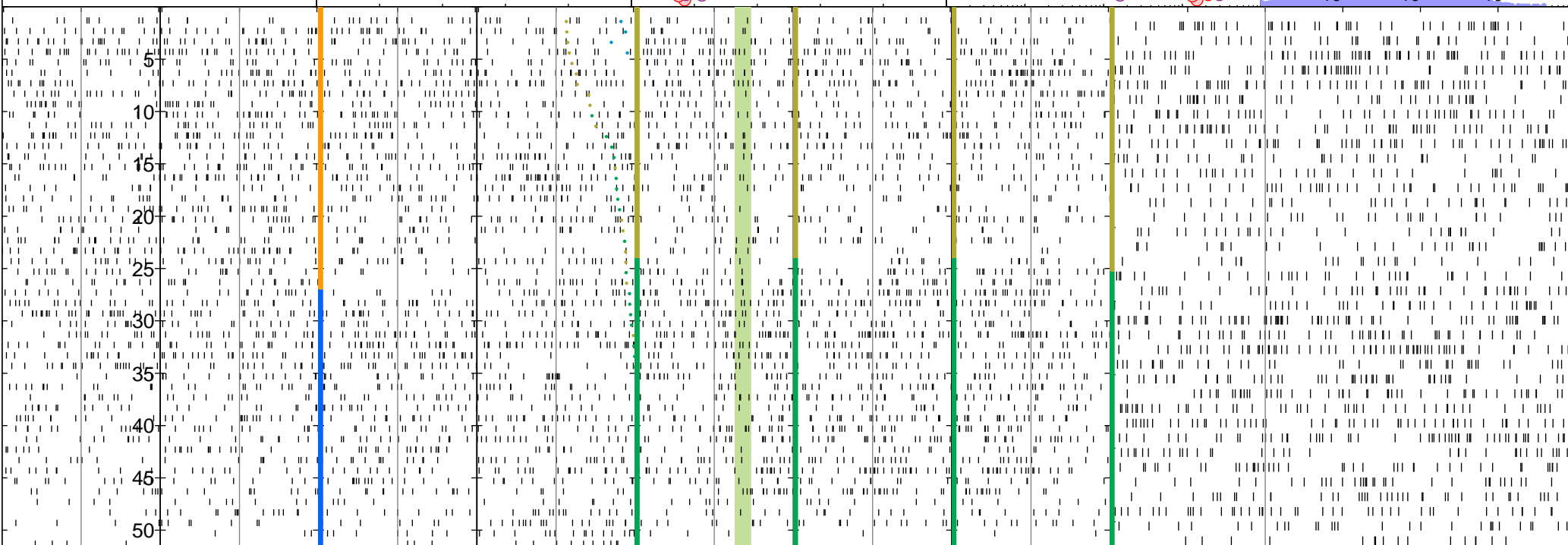
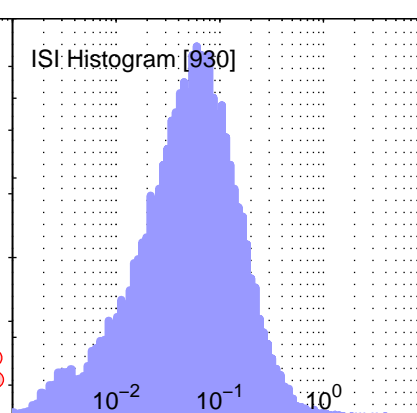
HP/PV



FR/PV



ISI Histogram [930]



Cell: C1220071027T03c

AP: 3.2 ML: 2.6 DV: 2.2

w: 3 n: 19475 $P_{ISI>2}$: 0.3

1/2pw: 270 μ s p \rightarrow v: 576 μ s

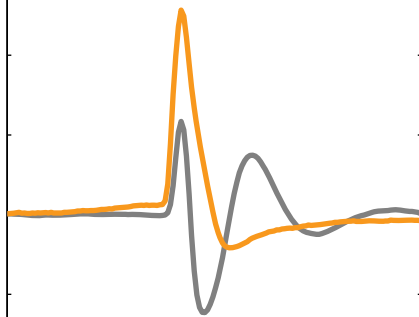
β_T : NaN β_D : NaN

β_P : NaN SI: NaN

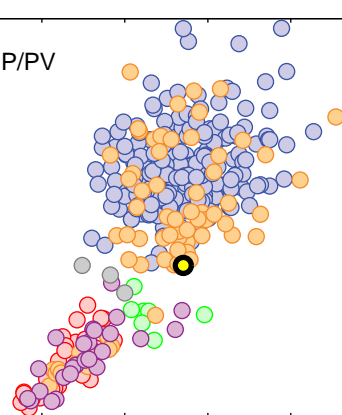
Session FR: 3.25 Hz

Pk Ev: 8 - Reward (T1/Con)

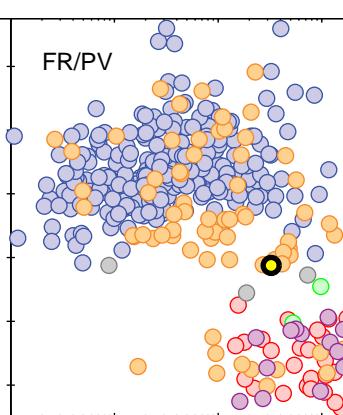
Pk FR: 15Hz (0.05s) **M1_p**



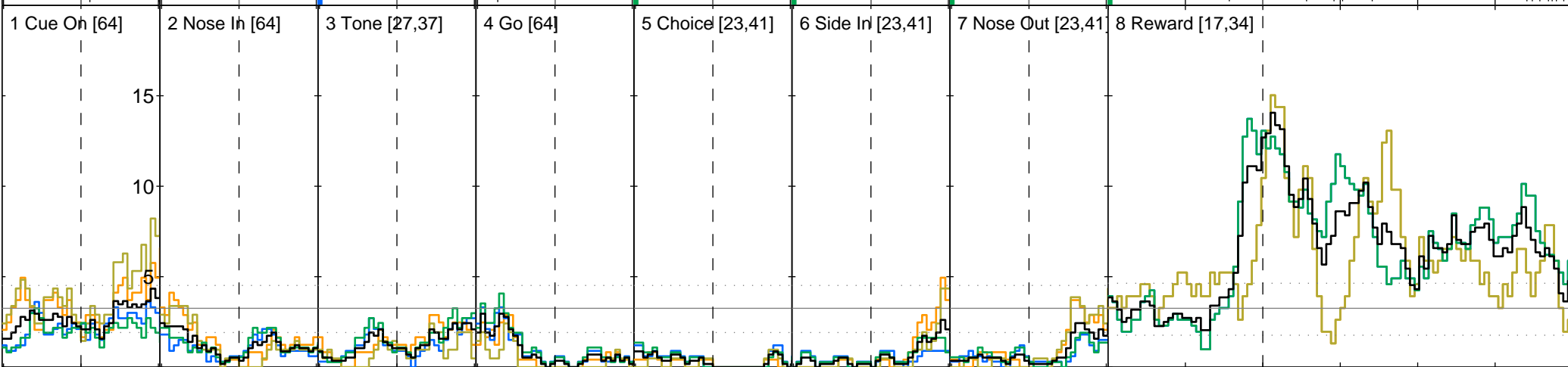
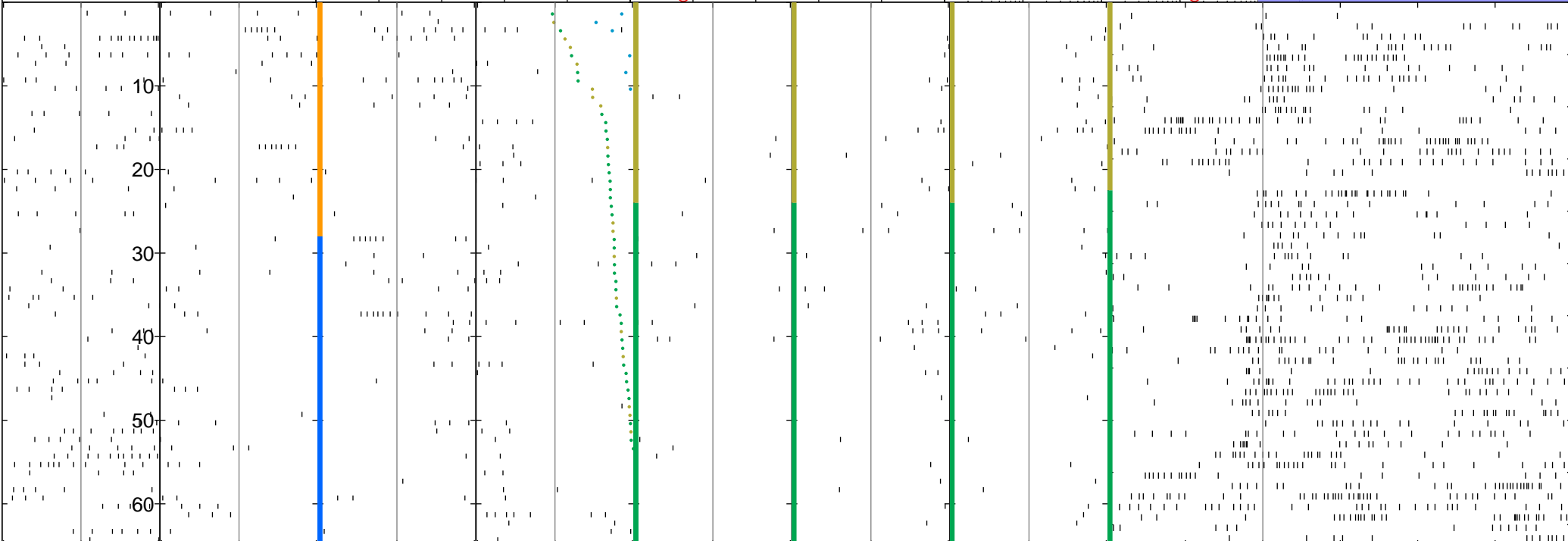
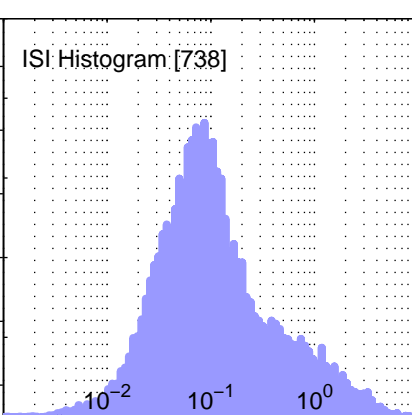
HP/PV



FR/PV



ISI Histogram [738]



Cell: C1220071117T03b

AP: 3.2 ML: 2.6 DV: 2.6

w: 1 n: 12577 $P_{ISI>2}$: 0.66

1/2pw: 266 μ s p->v: 664 μ s

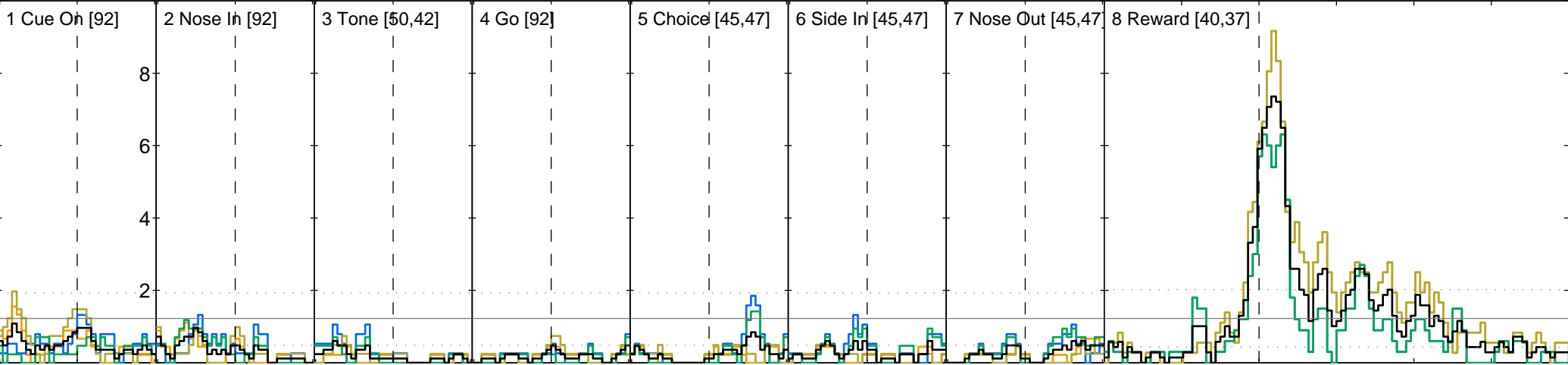
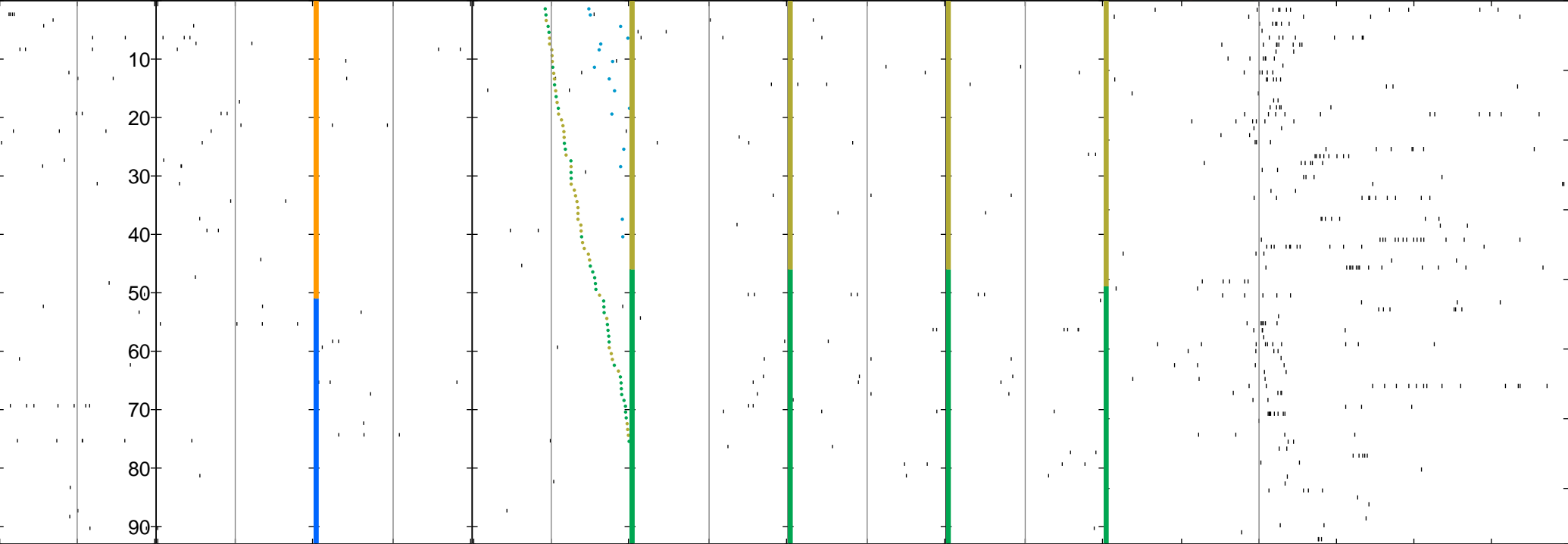
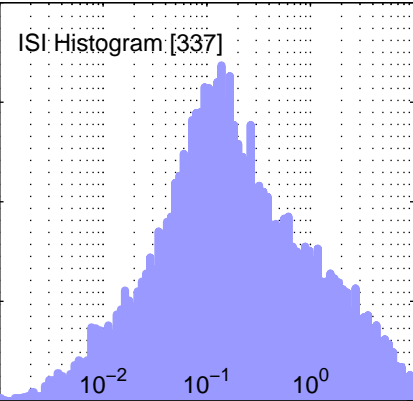
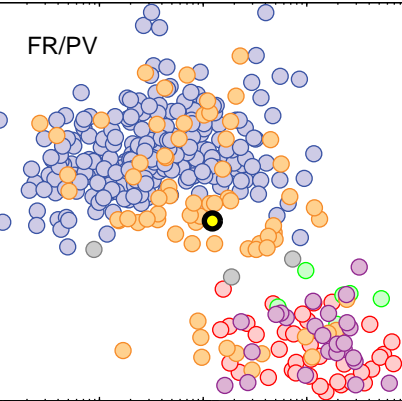
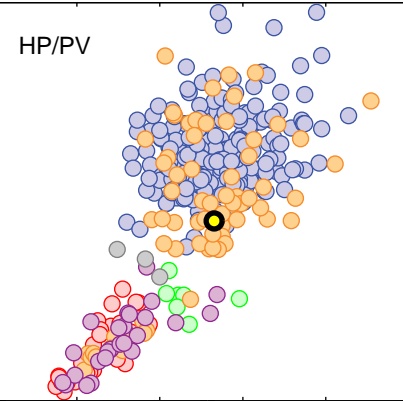
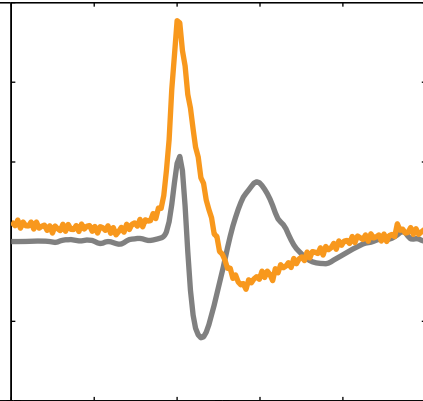
β_T : NaN β_D : NaN

β_P : NaN SI: NaN

Session FR: 1.23 Hz

Pk Ev: 8 - Reward (T1/Con)

Pk FR: 9.17Hz (0.08s) **M1_p**



Cell: C0420070314T03a

AP: 4.2 ML: 2.2 DV: 2.5

w: 1 n: 7527 $P_{ISI>2}$: 0.68

1/2pw: 218 μ s p \rightarrow v: 997 μ s

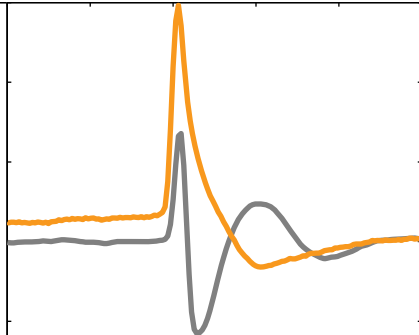
β_T : 0.93 β_D : -2.7

β_P : -2 SI: -0.69

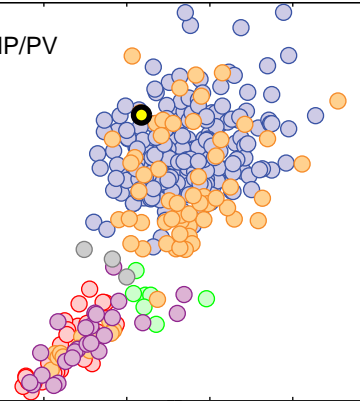
Session FR: 1.02 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

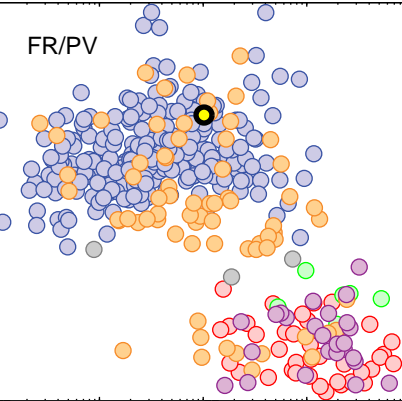
Pk FR: 14.1Hz (0.14s) M1_p



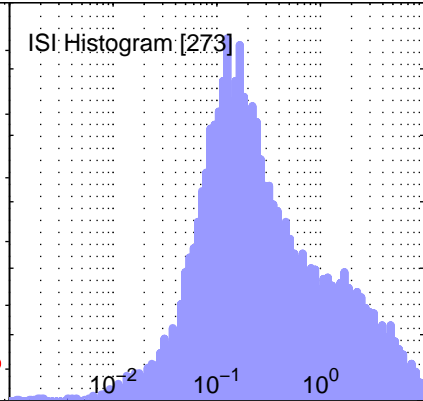
HP/PV



FR/PV



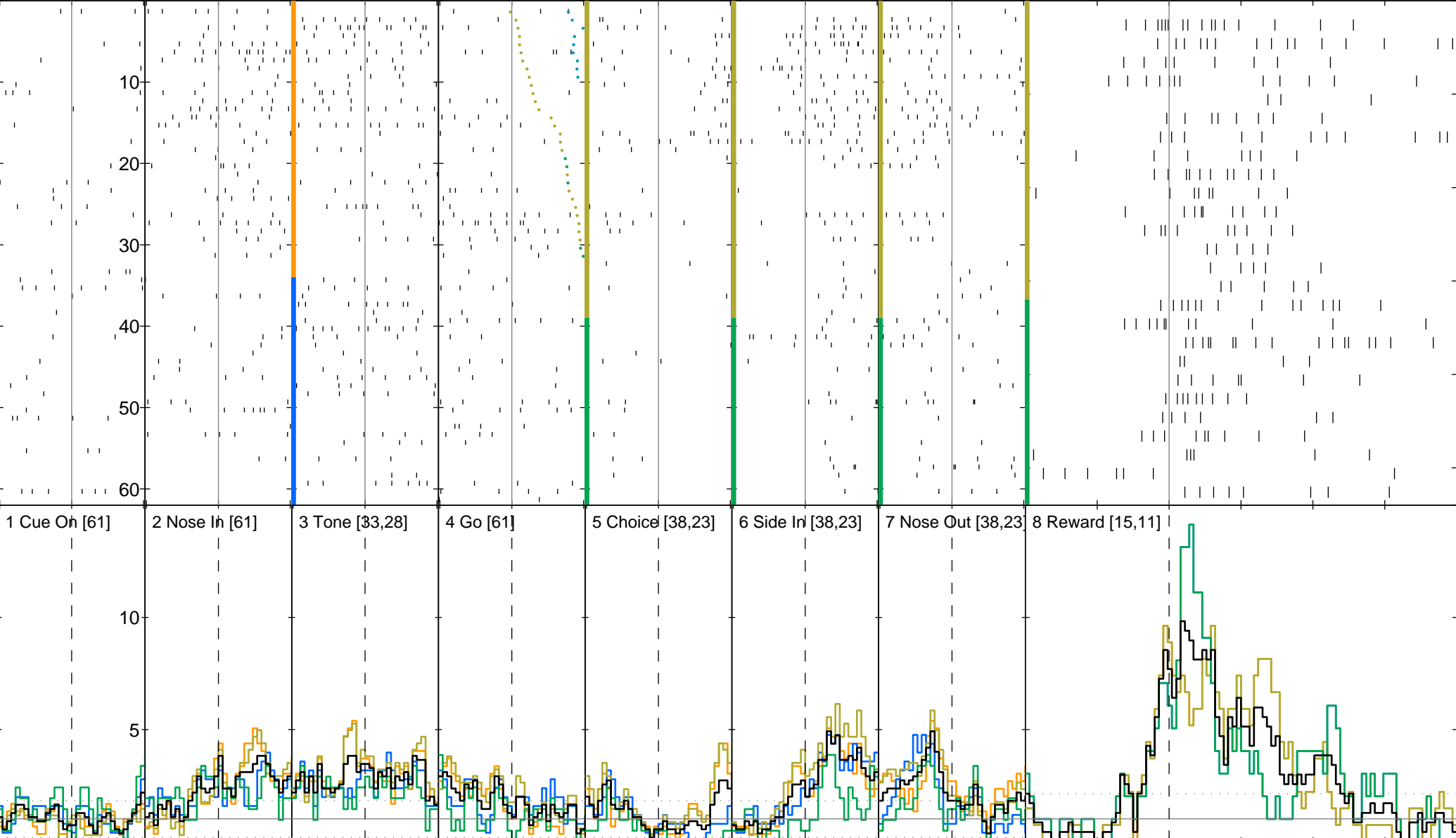
ISI Histogram [273]



10
20
30
40
50
60

1 Cue On [61] 2 Nose In [61] 3 Tone [33,28] 4 Go [61] 5 Choice [38,23] 6 Side In [38,23] 7 Nose Out [38,23] 8 Reward [15,11]

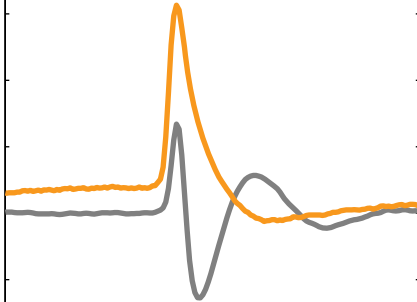
10
5



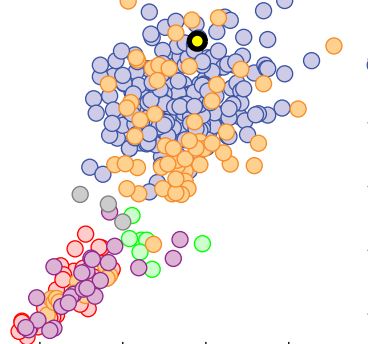
Cell: C0420070314T02a

AP: 3.7 ML: 2.8 DV: 3.3
w: 2 n: 15439 $P_{ISI>2}$: 0.4
1/2pw: 290 μ s p \rightarrow v: 1056 μ s
 β_T : -2.2 β_D : -2.4
 β_P : 3.1 SI: -0.84
Session FR: 2.08 Hz
Pk Ev: 8 - Reward (T2/Ipsi)
Pk FR: 21.2Hz (0.26s) **M1_p**

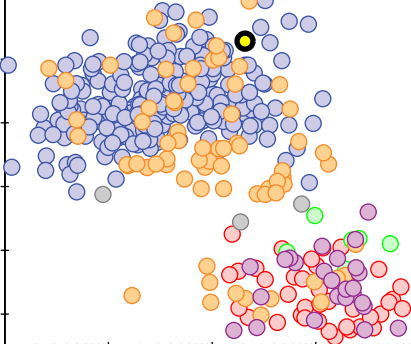
Waveform



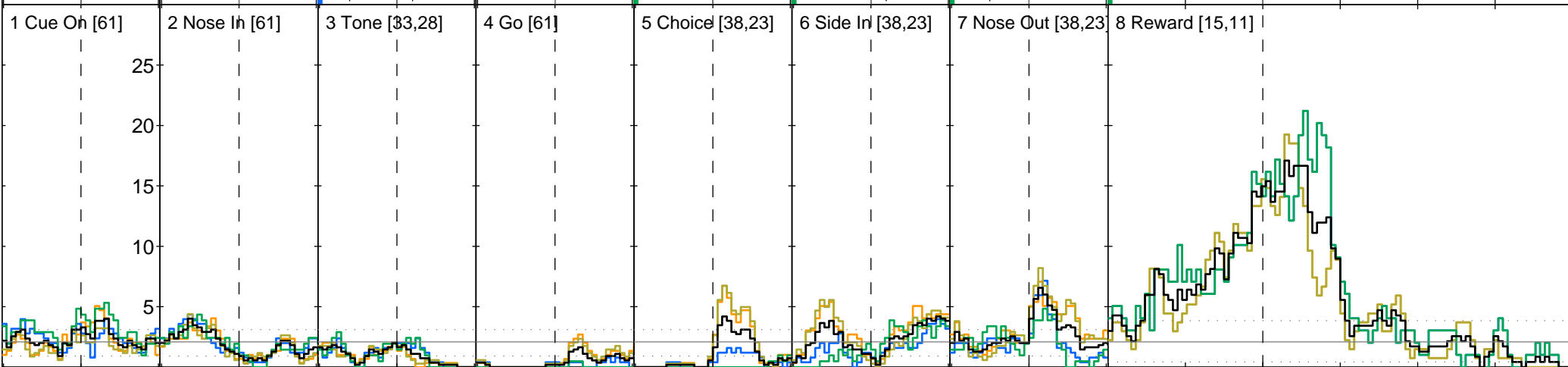
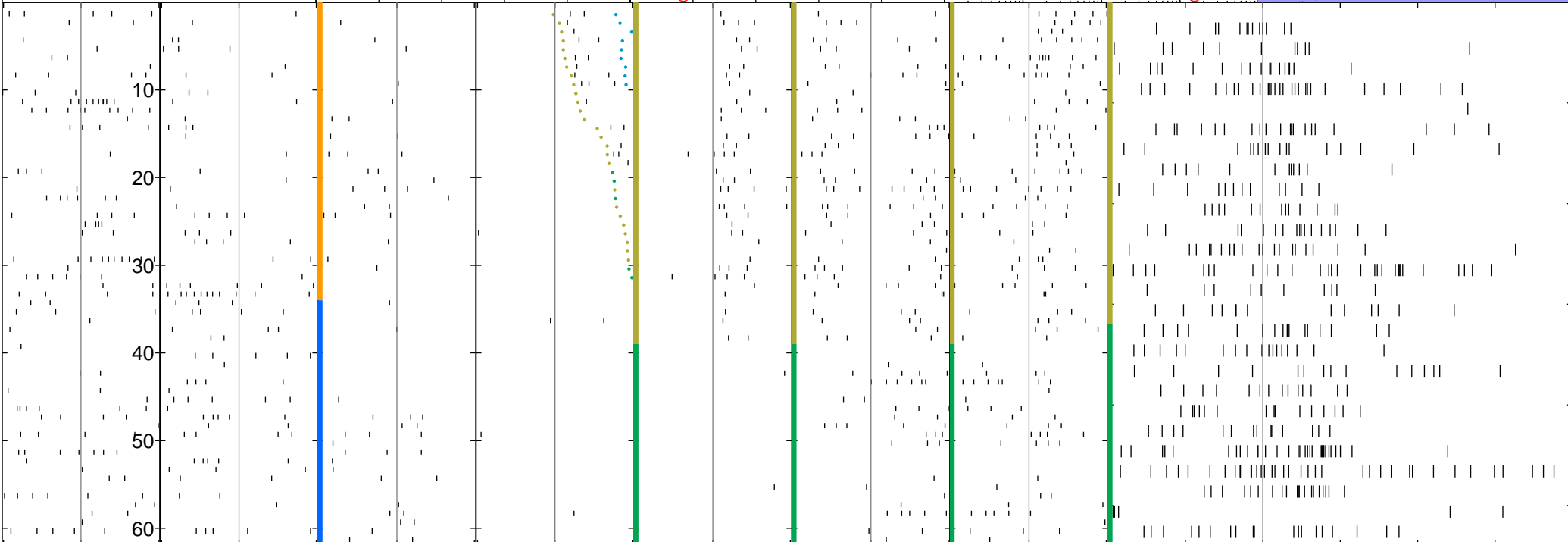
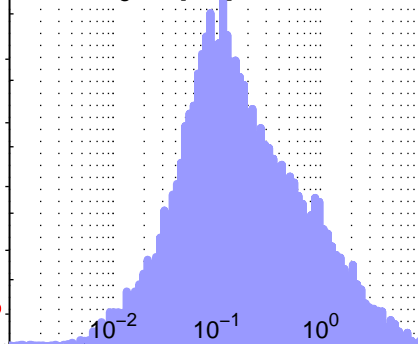
HP/PV



FR/PV



ISI Histogram [525]



Cell: C1220071027T01b

AP: 4.2 ML: 3.6 DV: 1.8

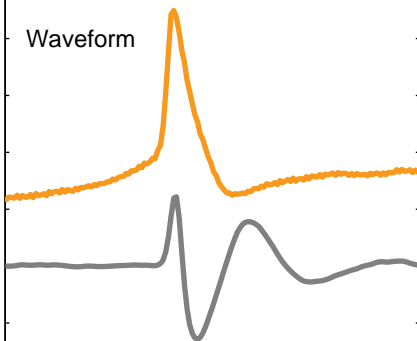
w: 3 n: 6990 $P_{ISI>2}$: 0.471/2pw: 298 μ s p->v: 718 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

Session FR: 1.17 Hz

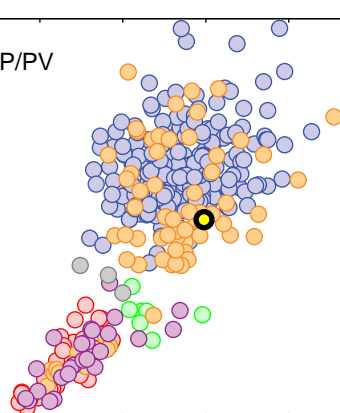
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 6.54Hz (0.26s) **M1_p**

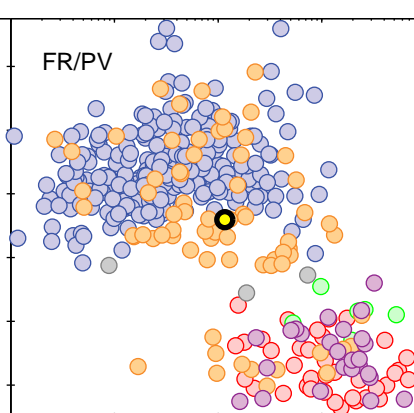
Waveform



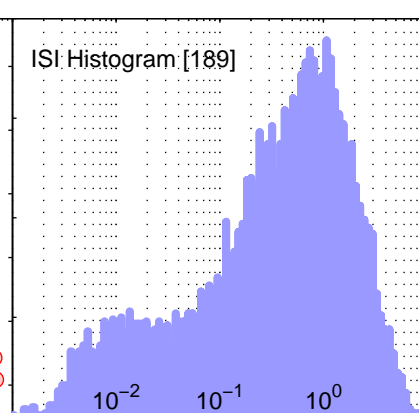
HP/PV



FR/PV



ISI Histogram [189]



10

20

30

40

50

60

1 Cue On [64]

2 Nose In [64]

3 Tone [27,37]

4 Go [64]

5 Choice [23,41]

6 Side In [23,41]

7 Nose Out [23,41]

8 Reward [17,34]

7

6

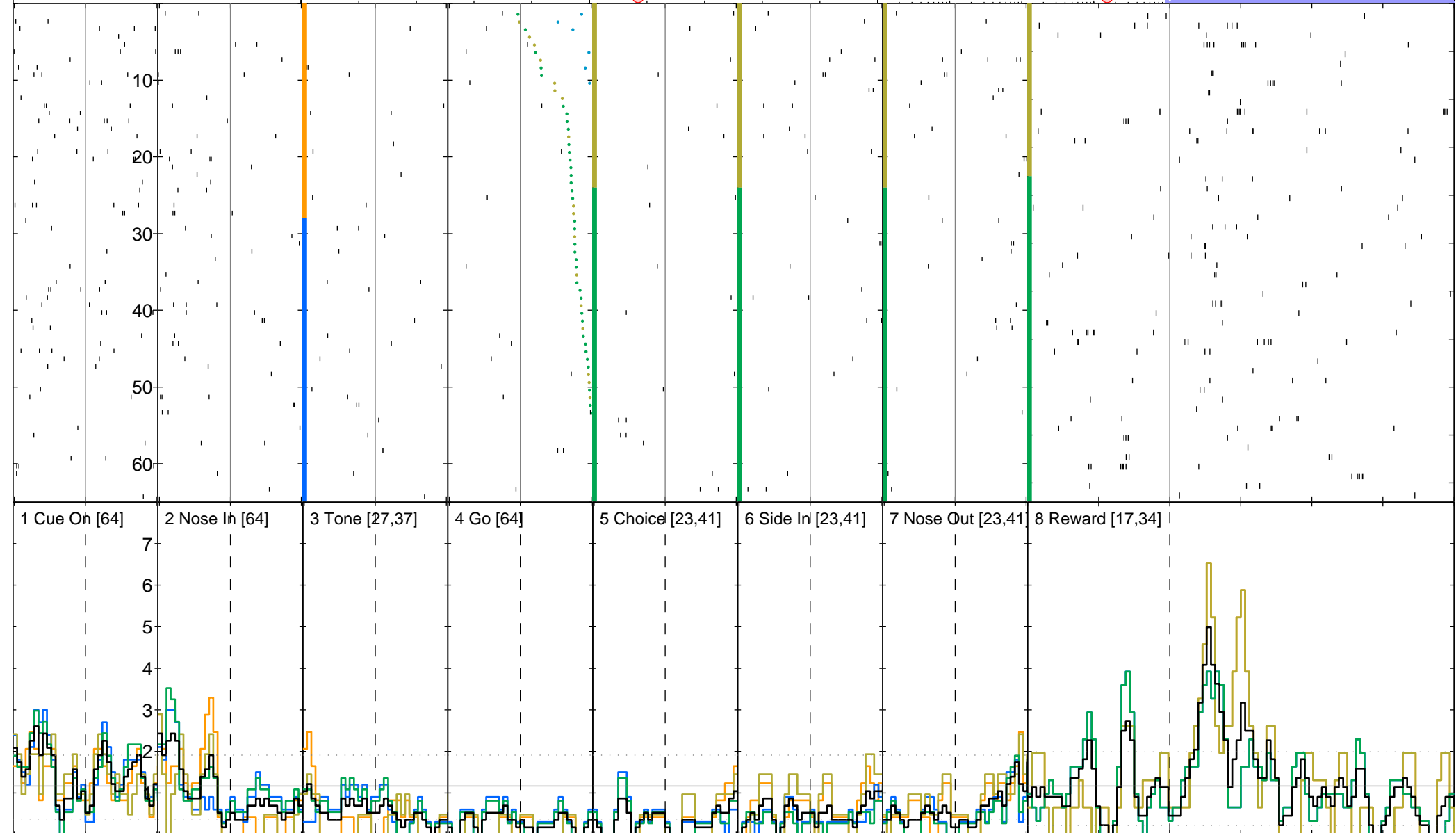
5

4

3

2

1



Cell: C0420070314T02e

AP: 3.7 ML: 2.8 DV: 3.3

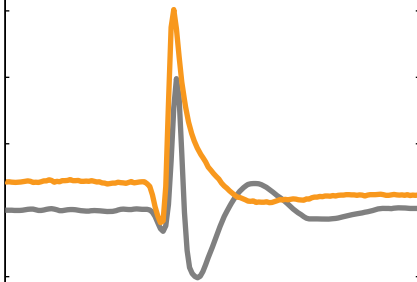
w: 1 n: 12337 $P_{ISI>2}$: 0.391/2pw: 182 μ s p \rightarrow v: 922 μ s β_T : 2.5 β_D : 2.5 β_P : 1.6 SI: NaN

Session FR: 1.66 Hz

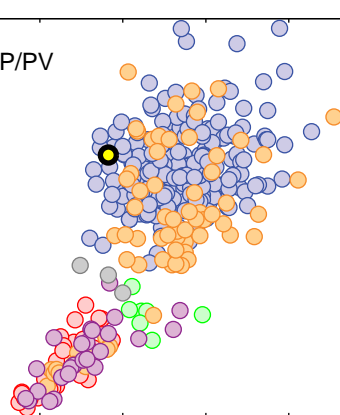
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 9.63Hz (0.41s) **M1_p**

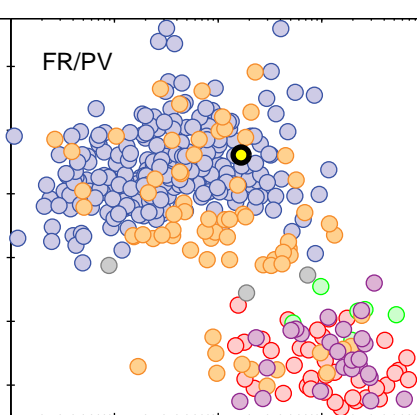
Waveform



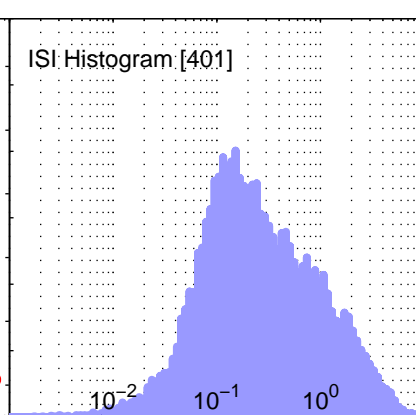
HP/PV



FR/PV



ISI Histogram [401]



10

20

30

40

50

60

1 Cue On [61]

2 Nose In [61]

3 Tone [33,28]

4 Go [61]

5 Choice [38,23]

6 Side In [38,23]

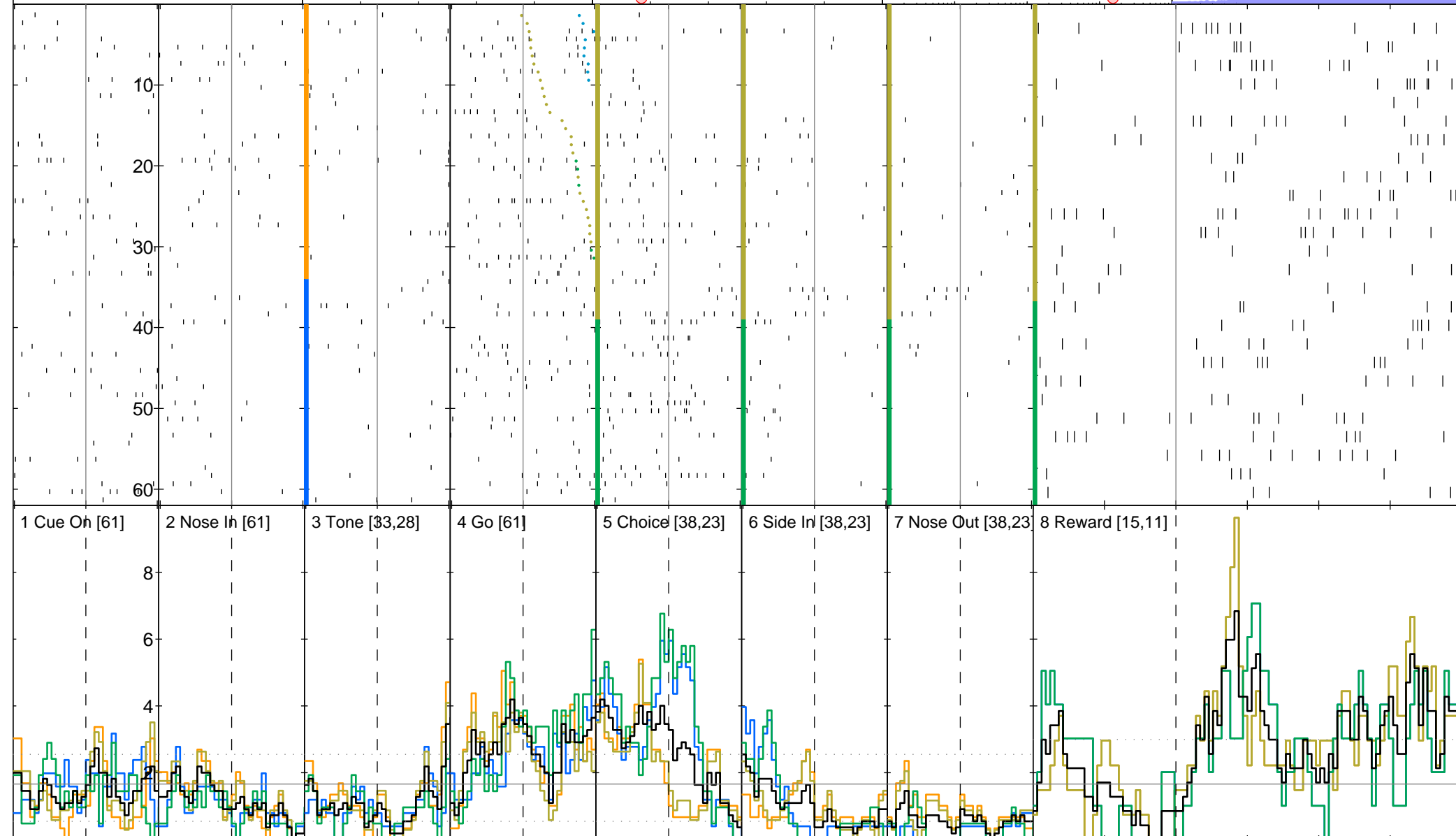
7 Nose Out [38,23]

8 Reward [15,11]

8

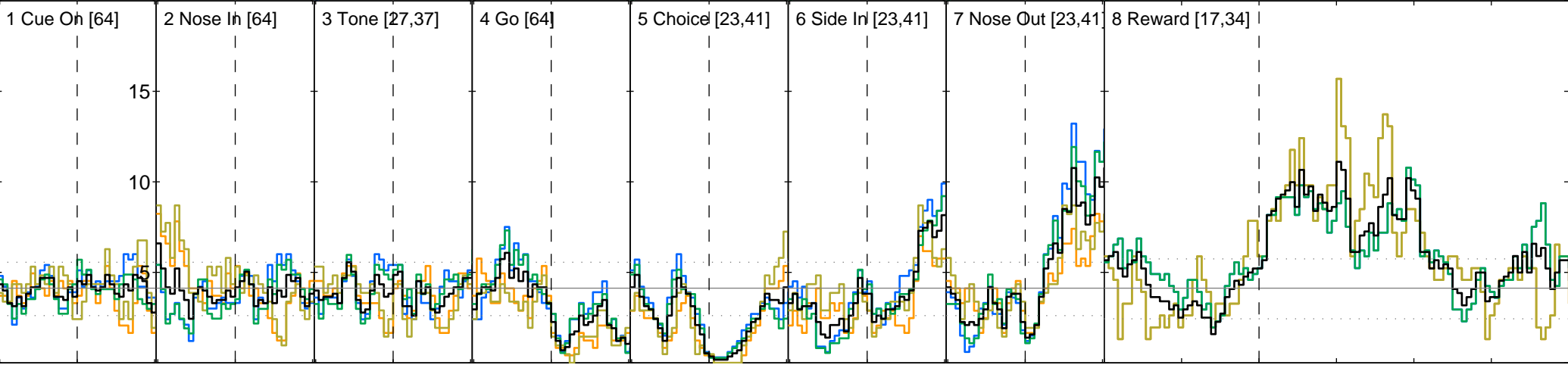
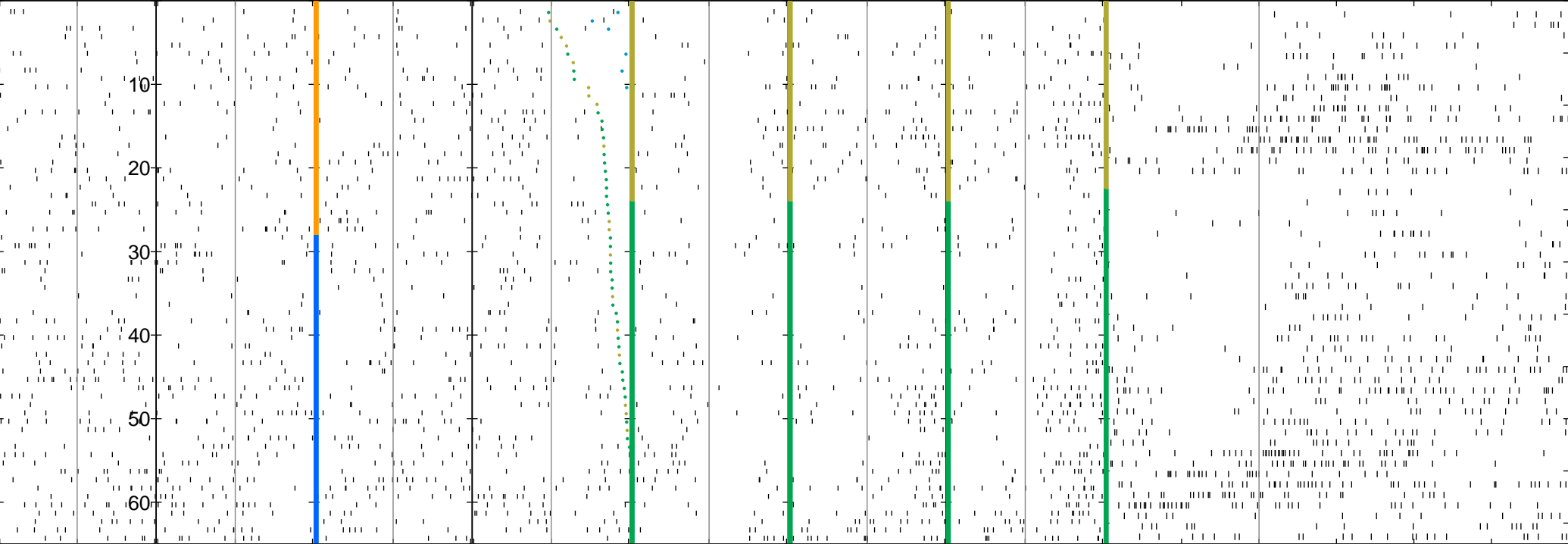
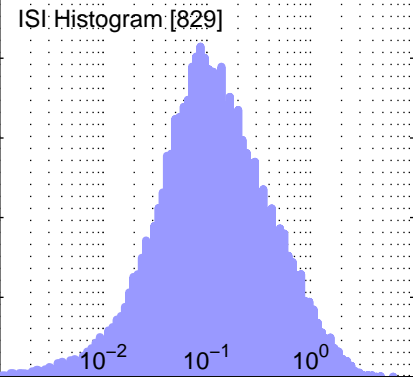
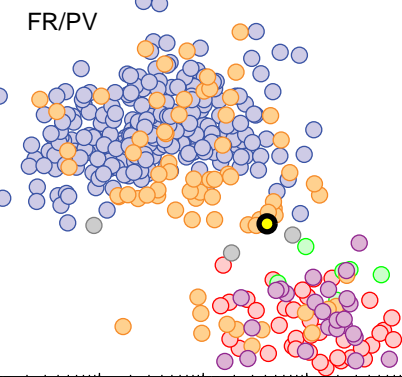
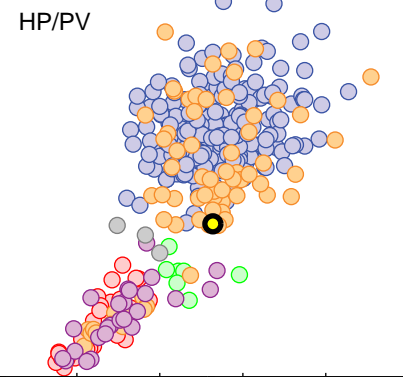
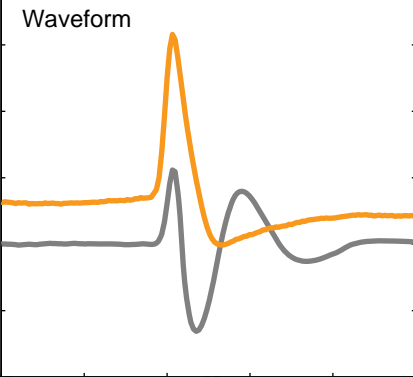
6

4



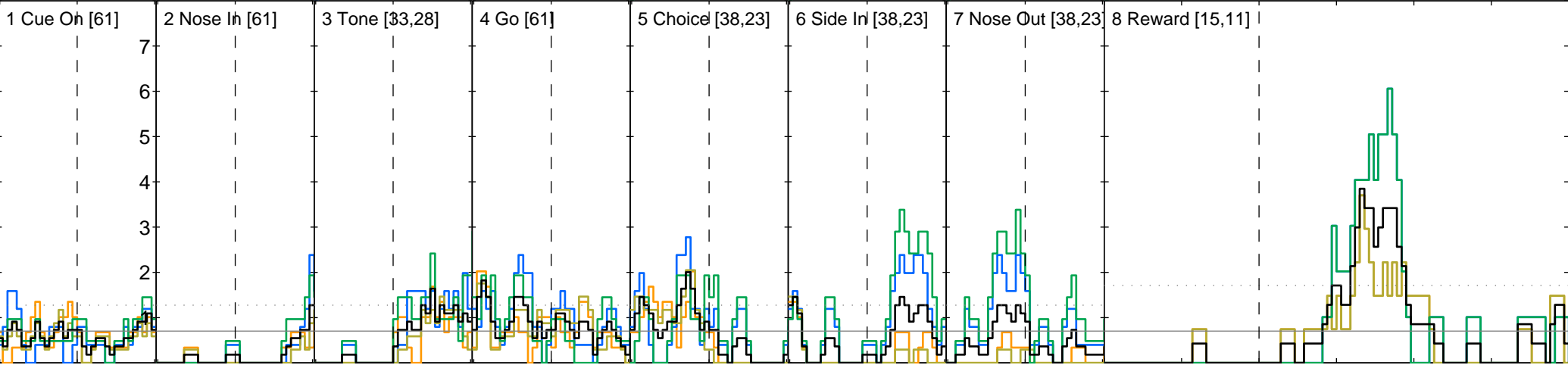
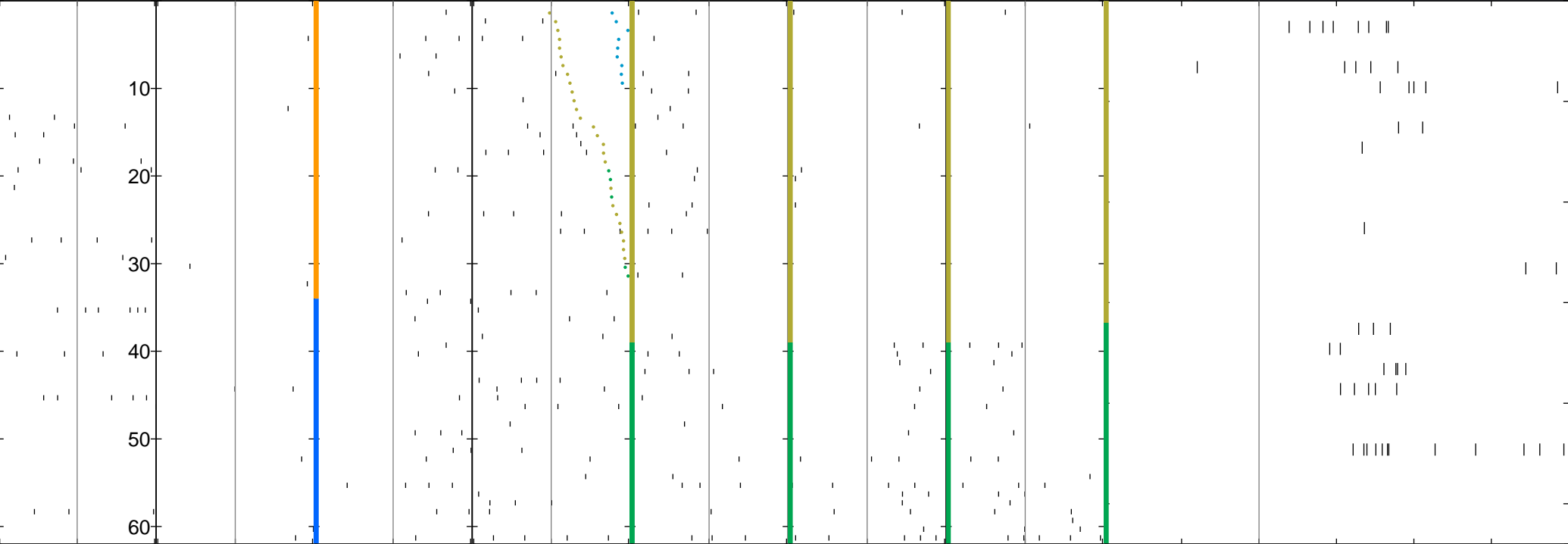
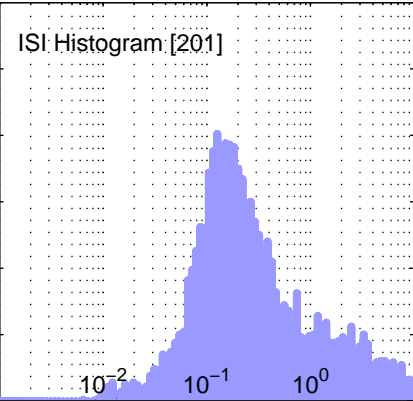
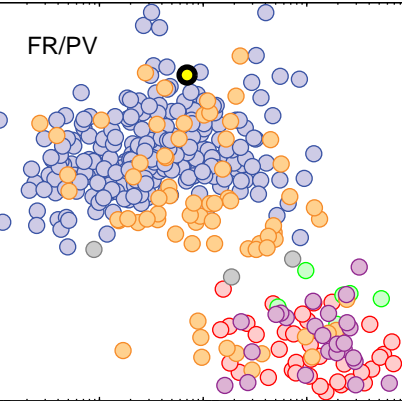
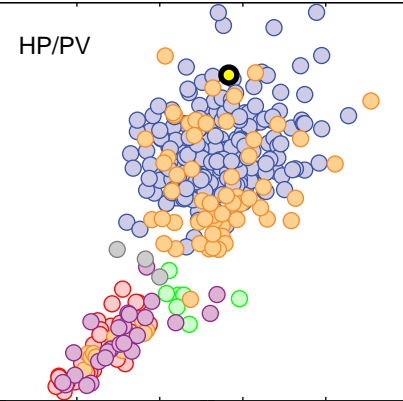
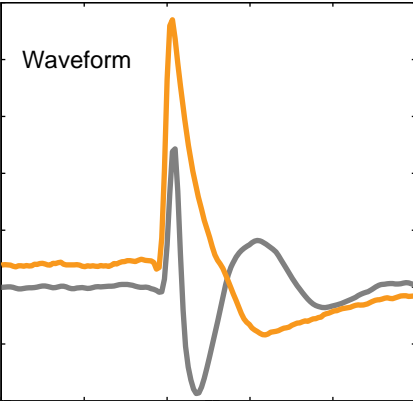
Cell: C1220071027T03a

AP: 3.2 ML: 2.6 DV: 2.2
w: 3 n: 24734 $P_{ISI>2}$: 0.074
1/2pw: 264 μ s p \rightarrow v: 581 μ s
 β_T : 2.8 β_D : -3.1
 β_P : 3.1 SI: 0.23
Session FR: 4.12 Hz
Pk Ev: 8 - Reward (T1/Con) **M1_P**
Pk FR: 15.7Hz (0.5s)



Cell: C0420070314T02F

AP: 3.7 ML: 2.8 DV: 3.3
w: 2 n: 5197 $P_{ISI>2}$: 0.79
1/2pw: 283 μ s p->v: 1123 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.701 Hz
Pk Ev: 8 - Reward (T2/Ipsi)
Pk FR: 6.06Hz (0.83s) **M1_P**



Cell: C0420070312T02b

AP: 3.7 ML: 2.8 DV: 3.2

w: 4 n: 6907 $P_{ISI>2}$: 0.58

1/2pw: 238 μ s p \rightarrow v: 827 μ s

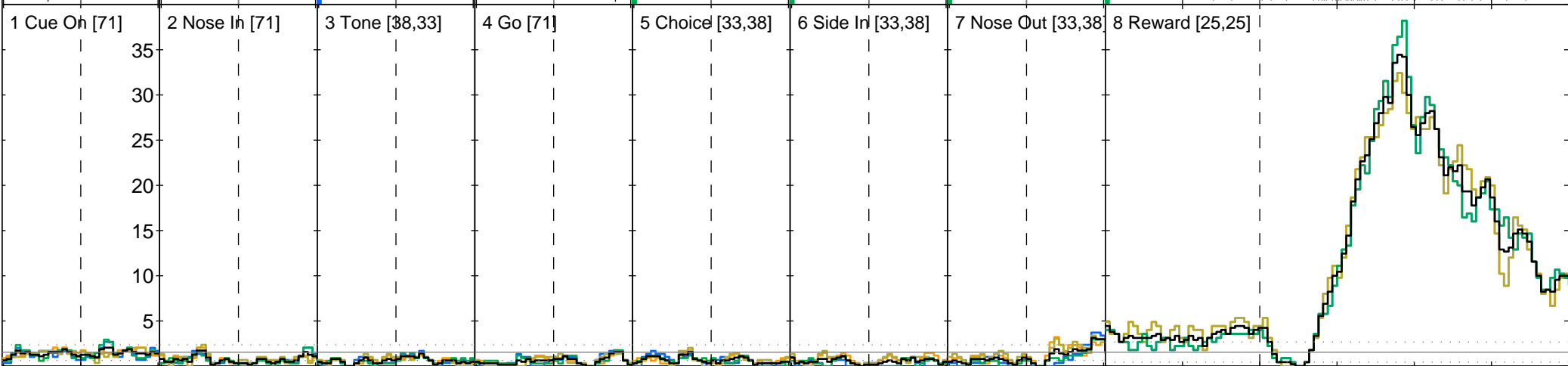
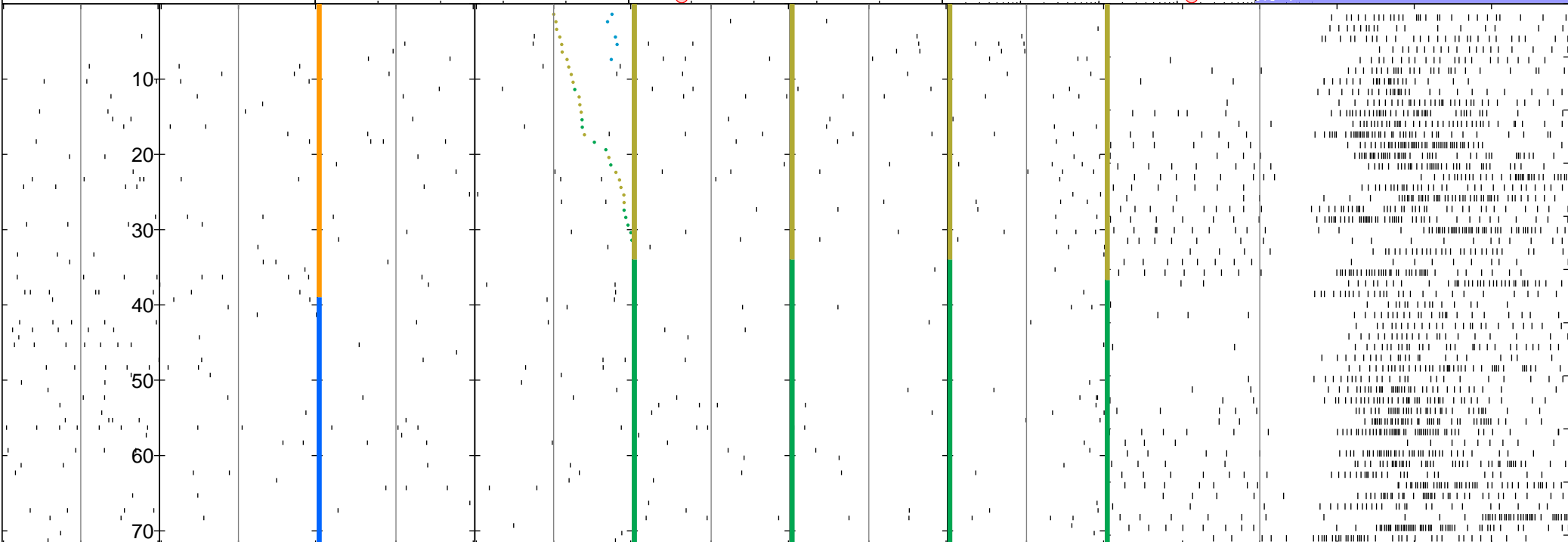
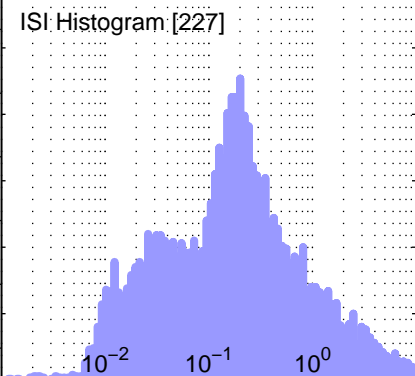
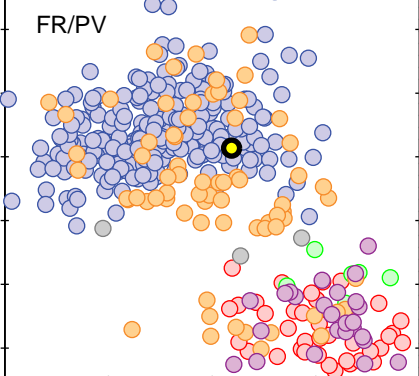
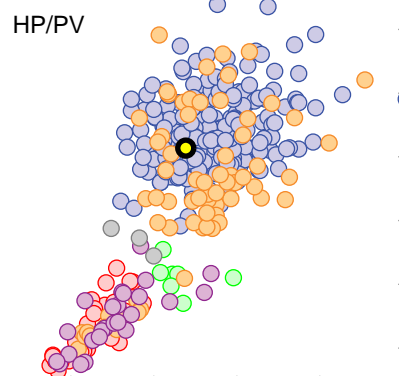
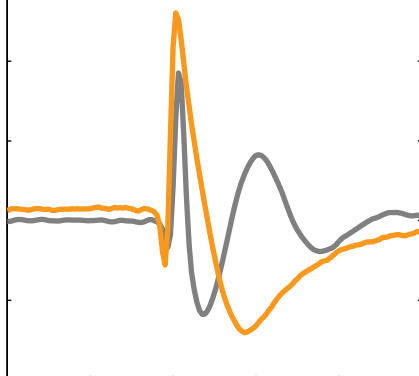
β_T : NaN β_D : NaN

β_P : NaN SI: NaN

Session FR: 1.54 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 38.2Hz (0.92s) **M1_p**



Cell: C0420070314T02d

AP: 3.7 ML: 2.8 DV: 3.3

w: 4 n: 8579 $P_{ISI>2}$: 0.69

1/2pw: 216 μ s p \rightarrow v: 1005 μ s

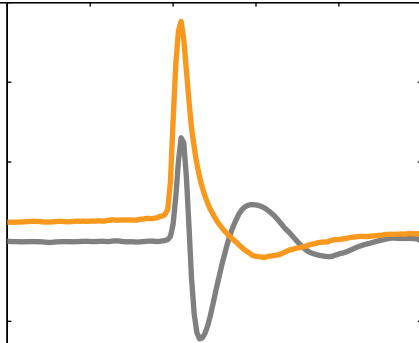
β_T : NaN β_D : NaN

β_P : NaN SI: NaN

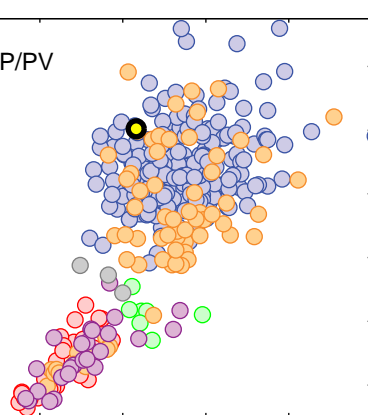
Session FR: 1.16 Hz

Pk Ev: 8 - Reward (T1/Con)

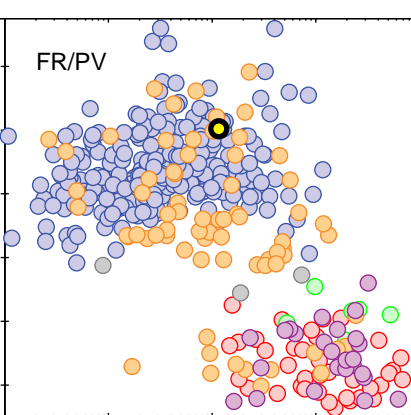
Pk FR: 6.67Hz (1.43s) **M1_P**



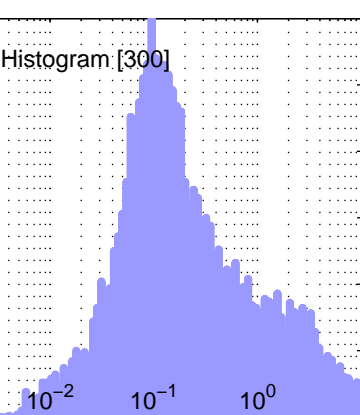
HP/PV



FR/PV



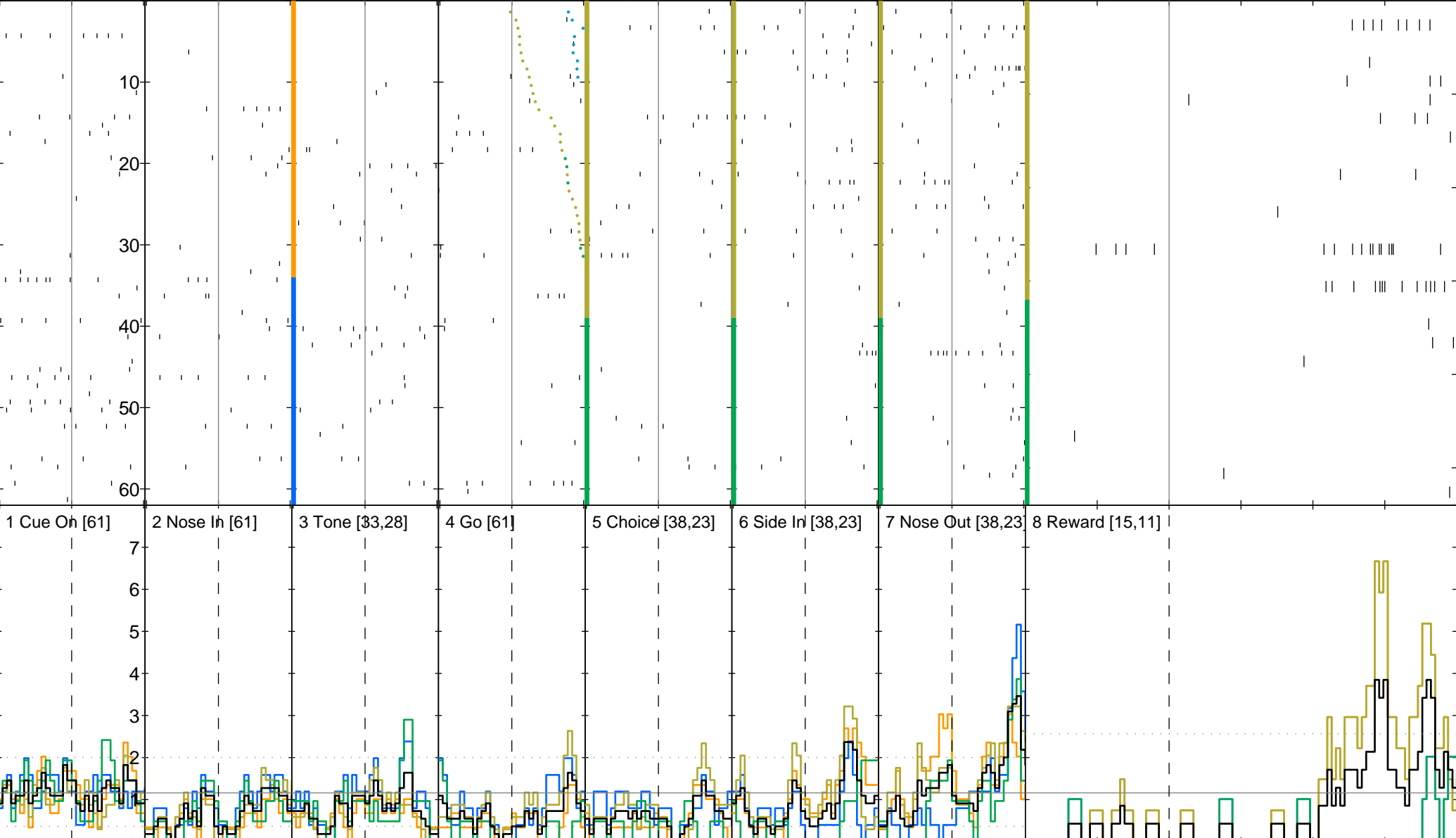
ISI Histogram [300]



10
20
30
40
50
60

1 Cue On [61] 2 Nose In [61] 3 Tone [33,28] 4 Go [61] 5 Choice [38,23] 6 Side In [38,23] 7 Nose Out [38,23] 8 Reward [15,11]

7
6
5
4
3
2



Cell: C1220071025T01a

AP: 4.2 ML: 3.6 DV: 1.6

w: 1 n: 3667 $P_{ISI>2}$: 0.791/2pw: 264 μ s p->v: 624 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

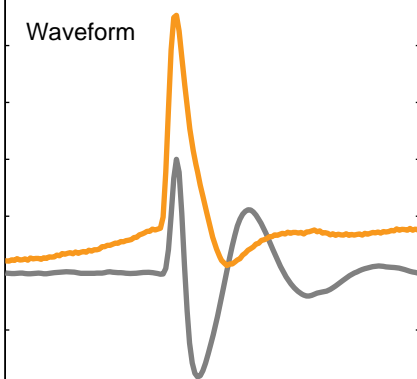
Session FR: 0.544 Hz

Pk Ev: None

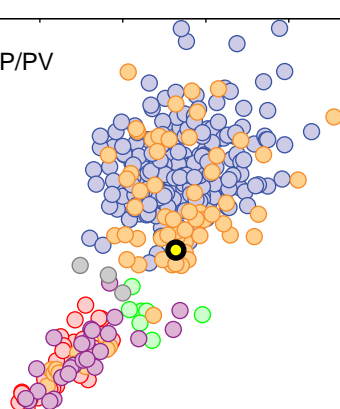
Pk FR: --

M1_P

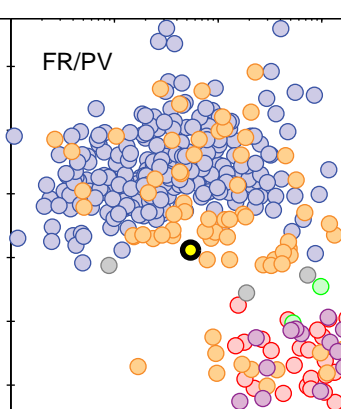
Waveform



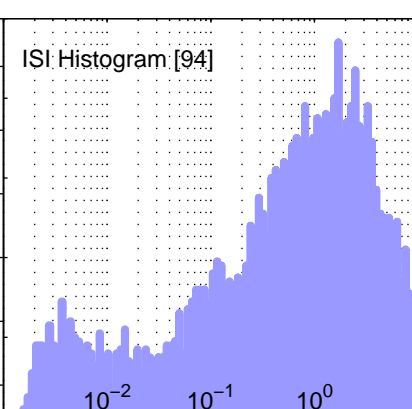
HP/PV



FR/PV



ISI Histogram [94]



10

20

30

40

50

60

70

1 Cue On [77]

2 Nose In [77]

3 Tone [44,33]

4 Go [77]

5 Choice [38,39]

6 Side In [38,39]

7 Nose Out [38,39]

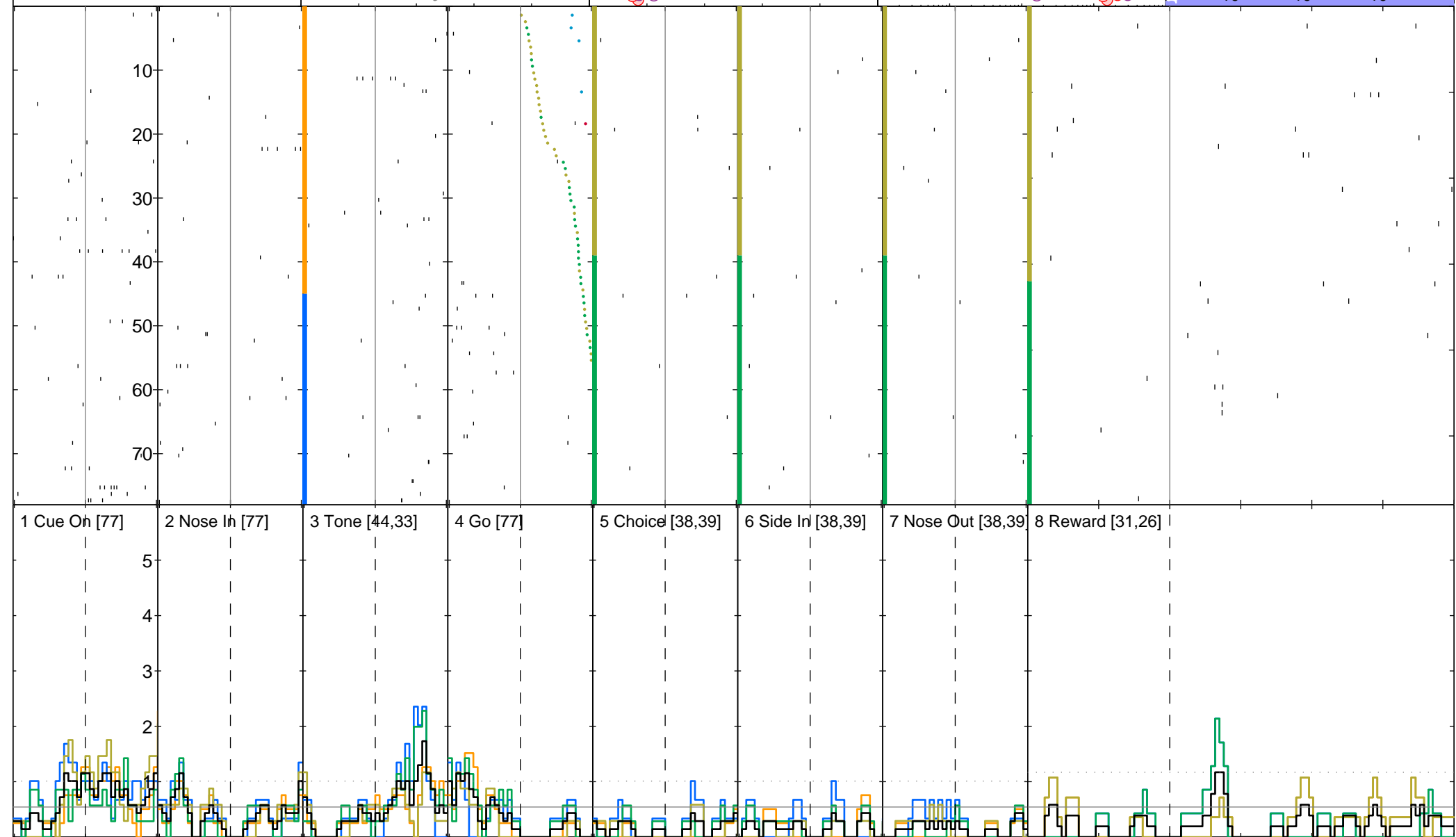
8 Reward [31,26]

5

4

3

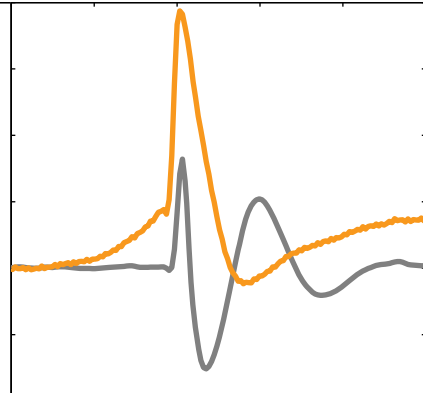
2



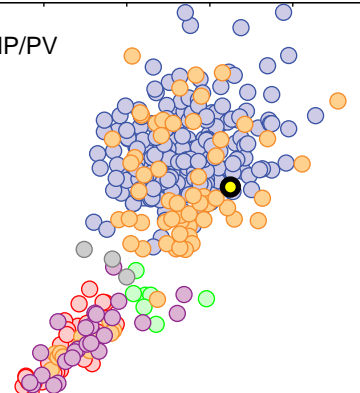
Cell: C1220071025T01c

AP: 4.2 ML: 3.6 DV: 1.6
w: 3 n: 3139 $P_{ISI>2}$: 0.81
1/2pw: 325 μ s p \rightarrow v: 771 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.466 Hz
Pk Ev: None
Pk FR: --

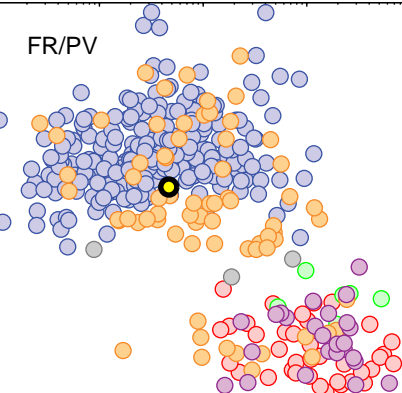
M1_P



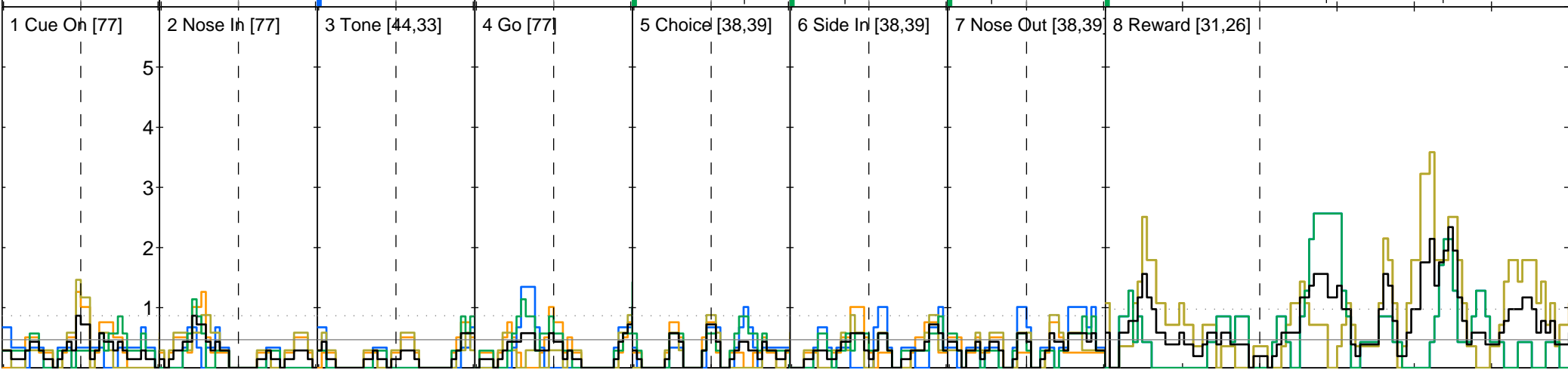
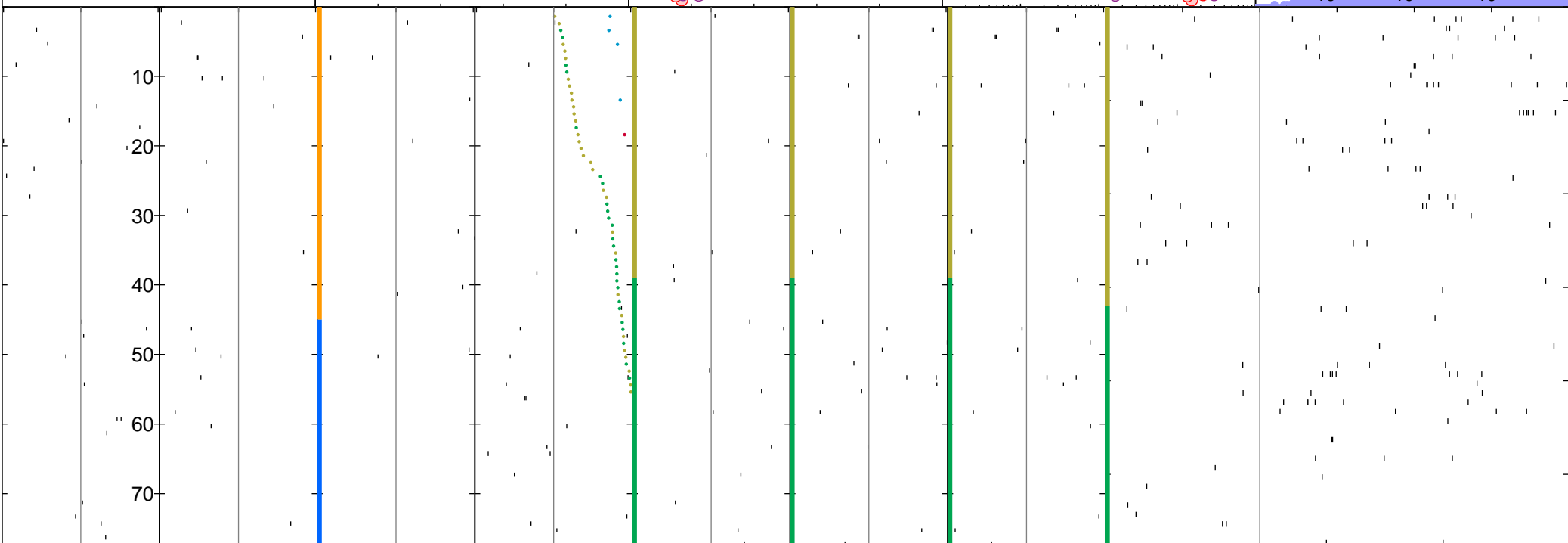
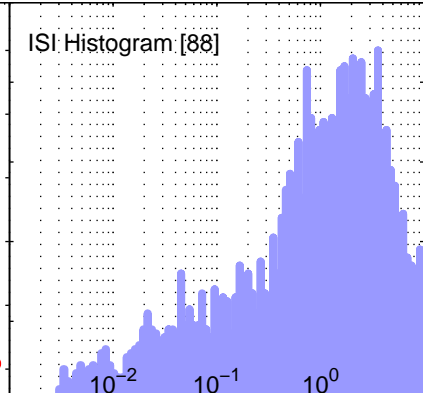
HP/PV



FR/PV



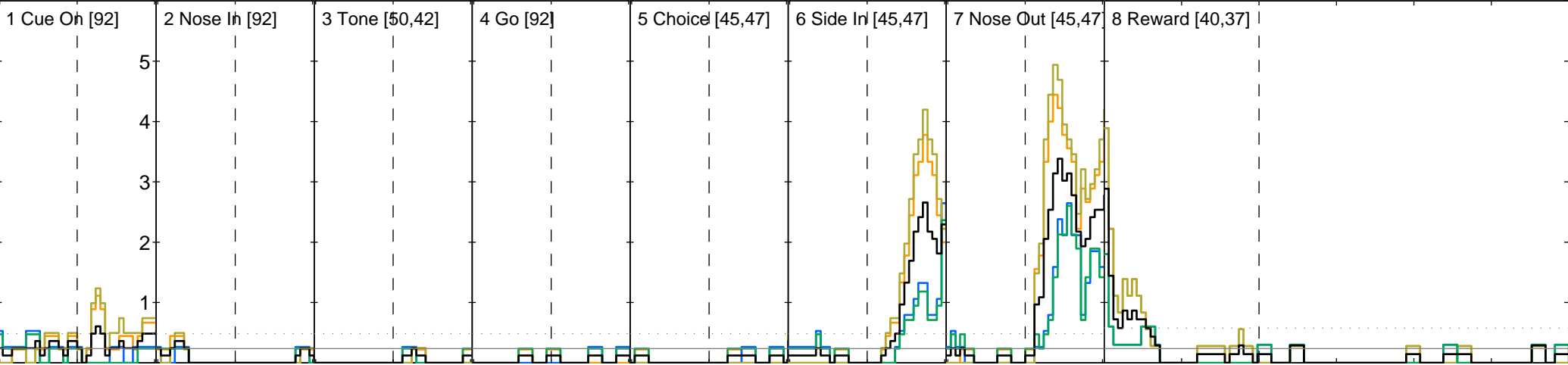
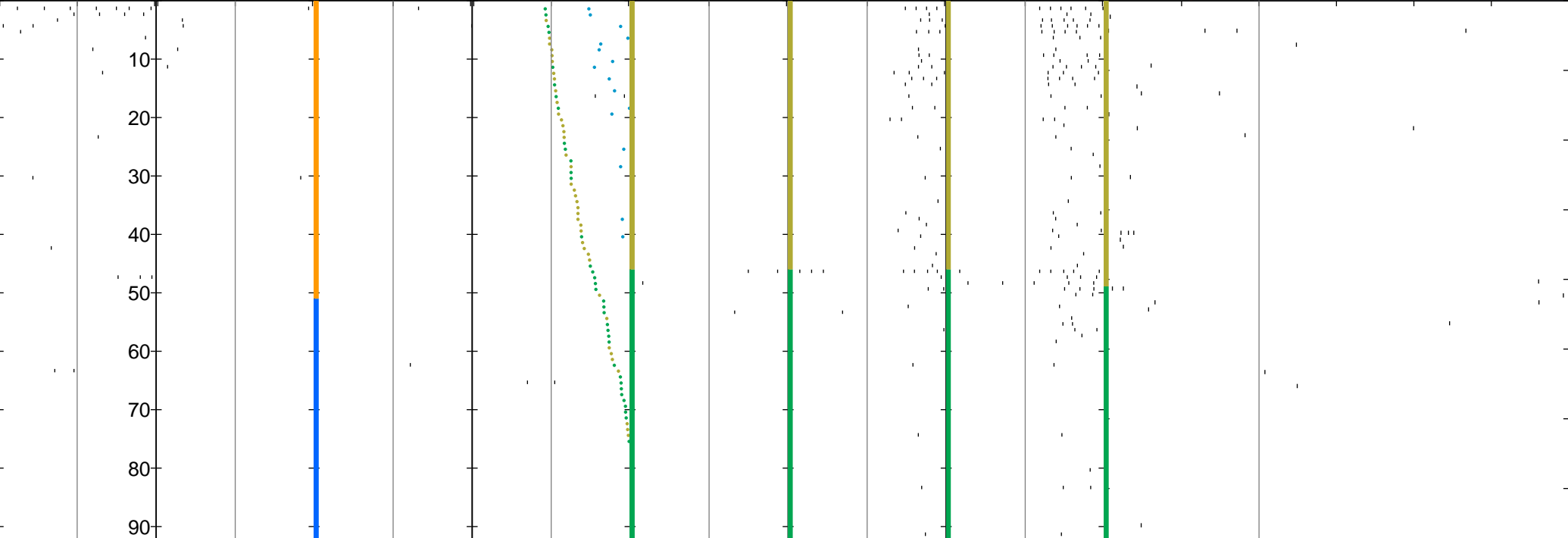
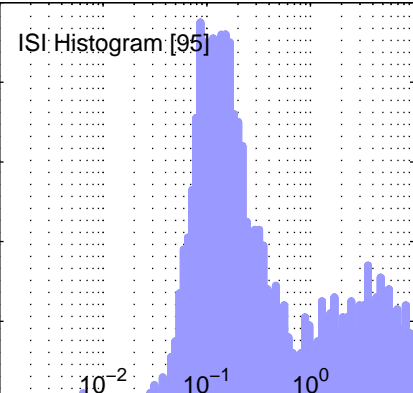
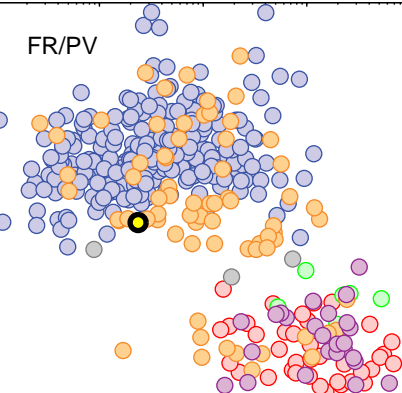
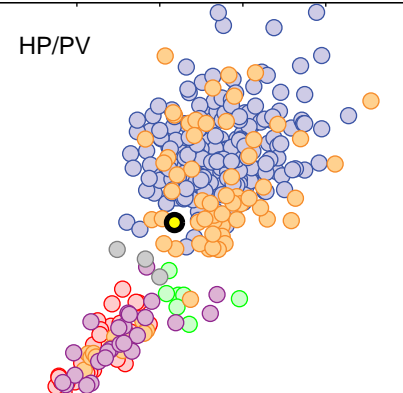
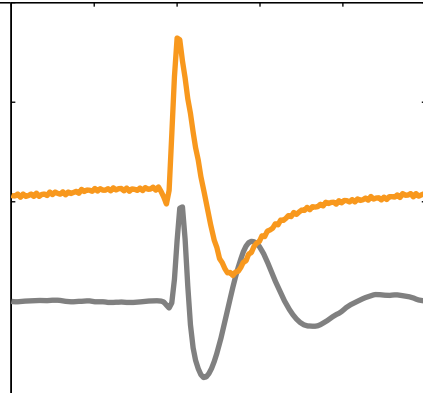
ISI Histogram [88]



Cell: C1220071117T03a

AP: 3.2 ML: 2.6 DV: 2.6
w: 3 n: 2419 $P_{ISI>2}$: 0.95
1/2pw: 218 μ s p->v: 659 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.236 Hz
Pk Ev: None
Pk FR: --

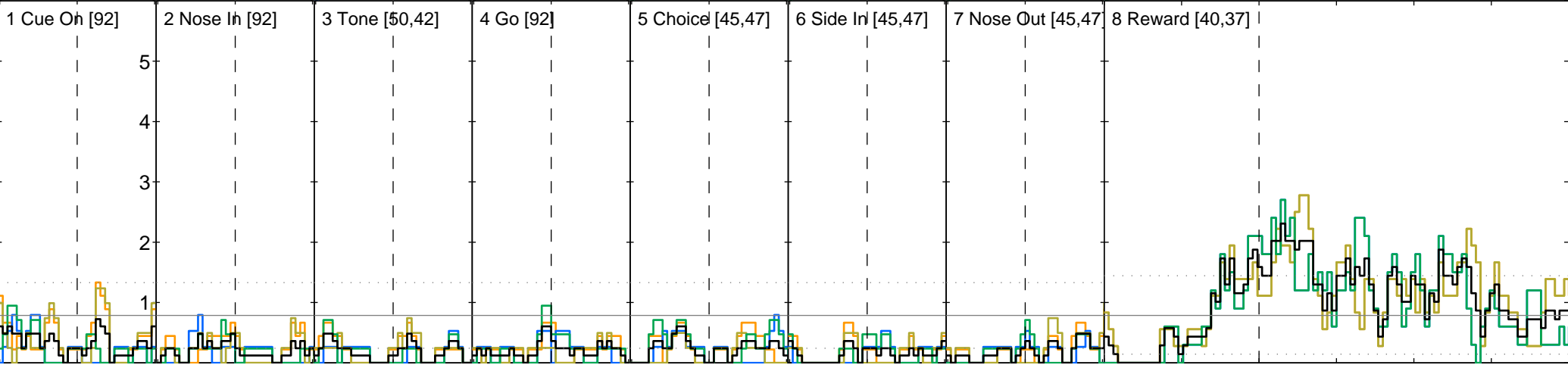
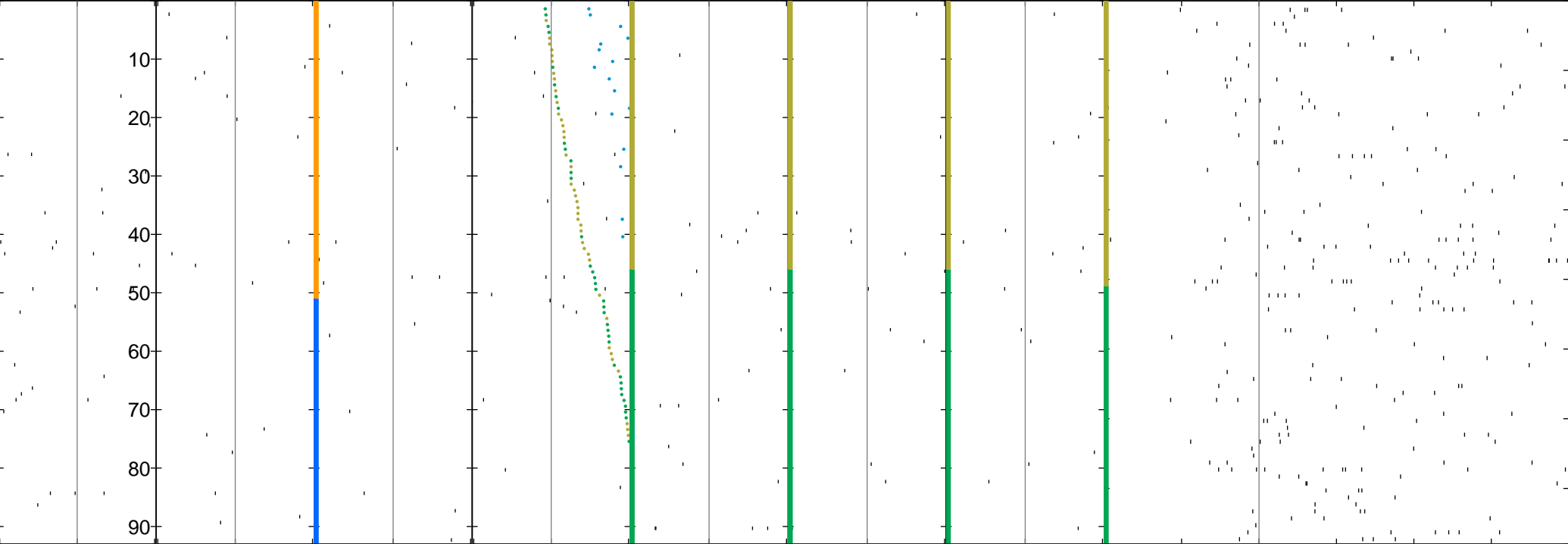
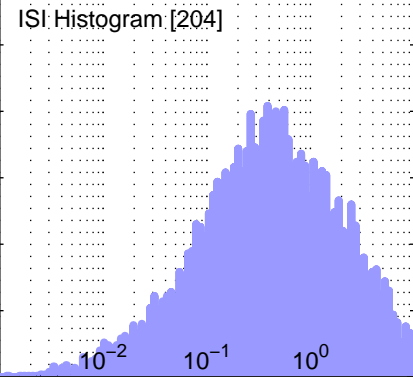
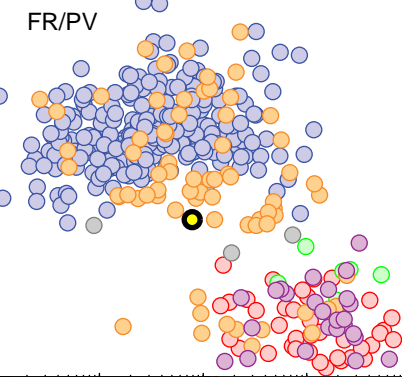
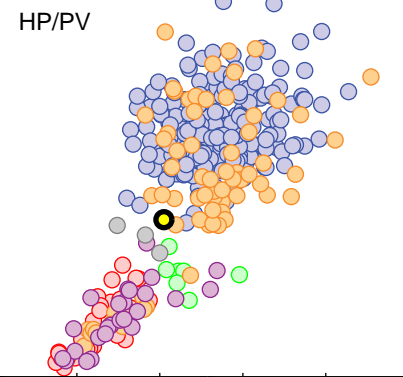
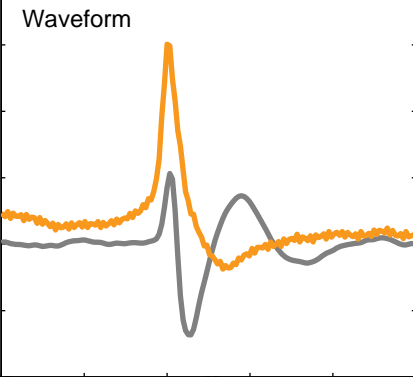
M1_p



Cell: C1220071117T03c

AP: 3.2 ML: 2.6 DV: 2.6
w: 4 n: 8049 $P_{ISI>2}$: 0.69
1/2pw: 205 μ s p->v: 594 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.785 Hz
Pk Ev: None
Pk FR: --

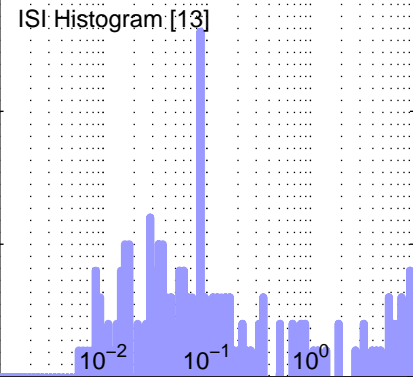
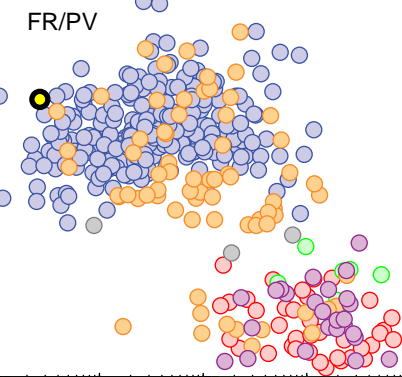
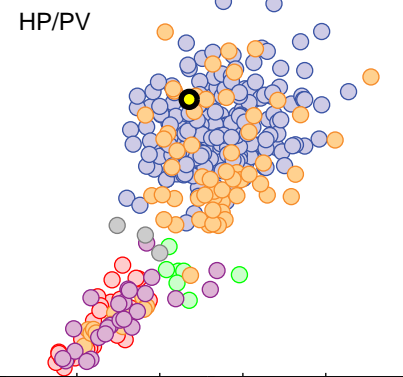
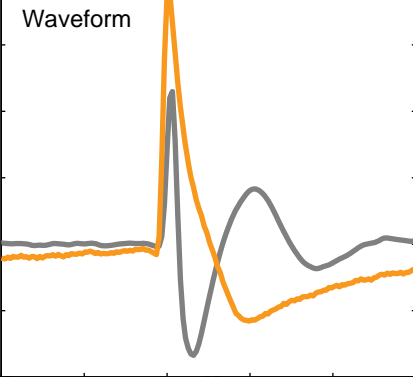
M1_P



Cell: C1220071117T03d

AP: 3.2 ML: 2.6 DV: 2.6
w: 4 n: 236 $P_{ISI>2}$: 1
1/2pw: 235 μ s p->v: 971 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0266 Hz
Pk Ev: None
Pk FR: --

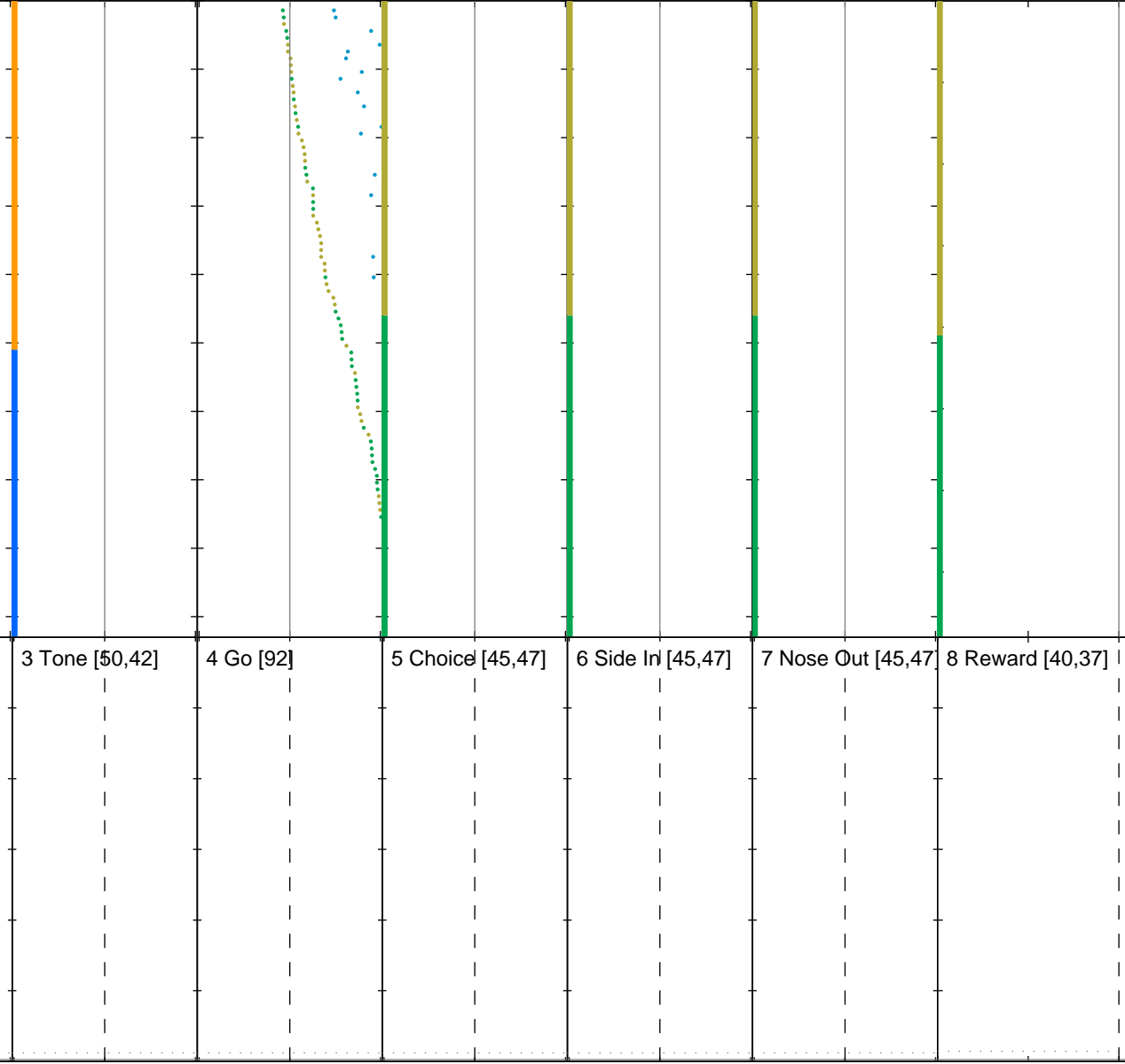
M1_P



10
20
30
40
50
60
70
80
90

1 Cue On [92] 2 Nose In [92] 3 Tone [50,42] 4 Go [92] 5 Choice [45,47] 6 Side In [45,47] 7 Nose Out [45,47] 8 Reward [40,37]

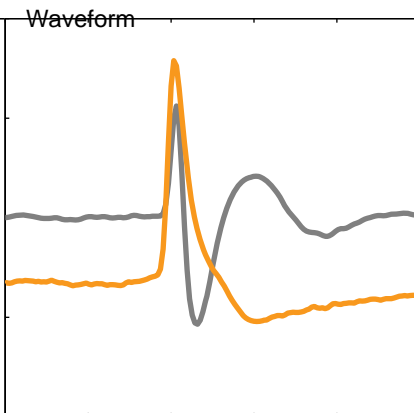
5
4
3
2
1



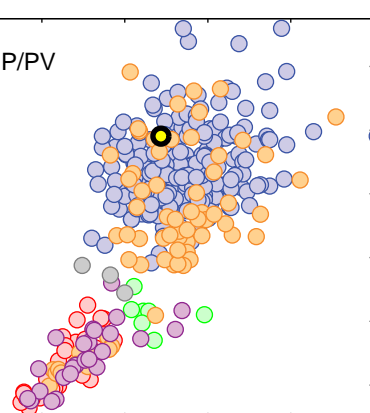
Cell: C0420070301T02a

AP: 3.7 ML: 2.8 DV: 3
w: 1 n: 379 $P_{ISI>2}$: 0.98
1/2pw: 243 μ s p->v: 981 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.104 Hz
Pk Ev: None
Pk FR: --

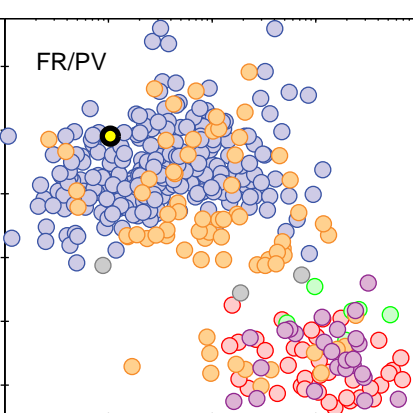
M1_P



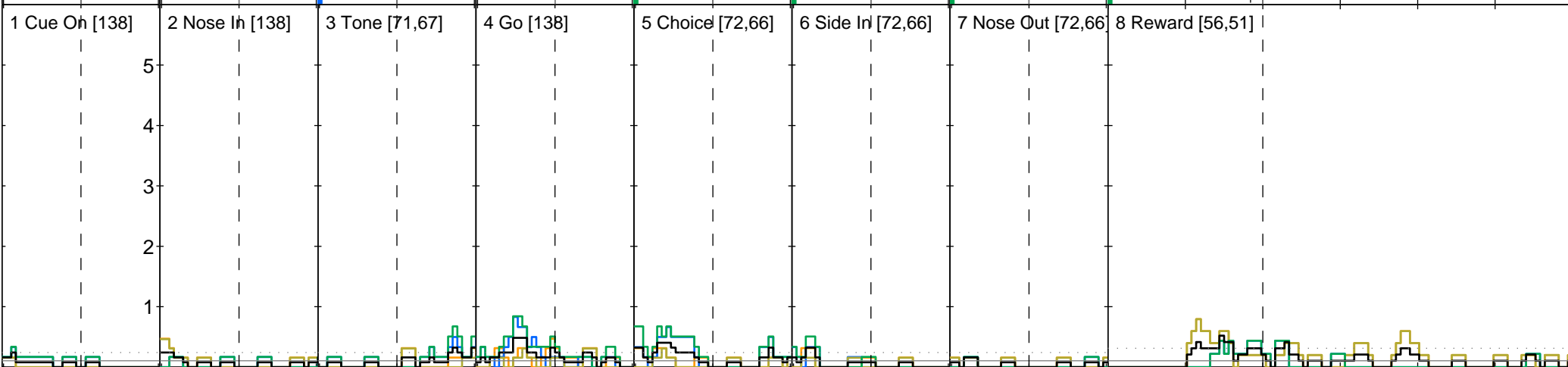
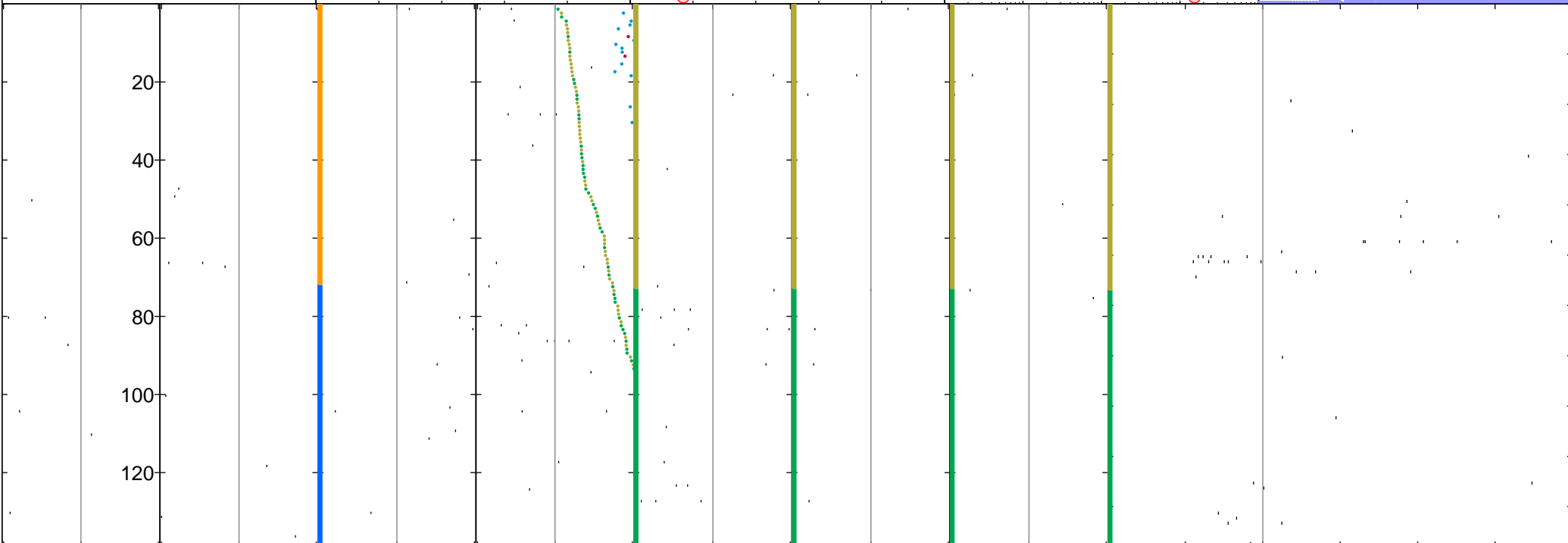
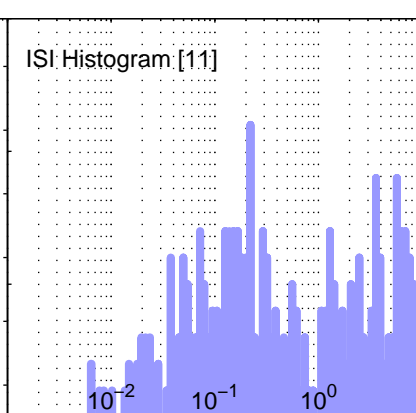
HP/PV



FR/PV



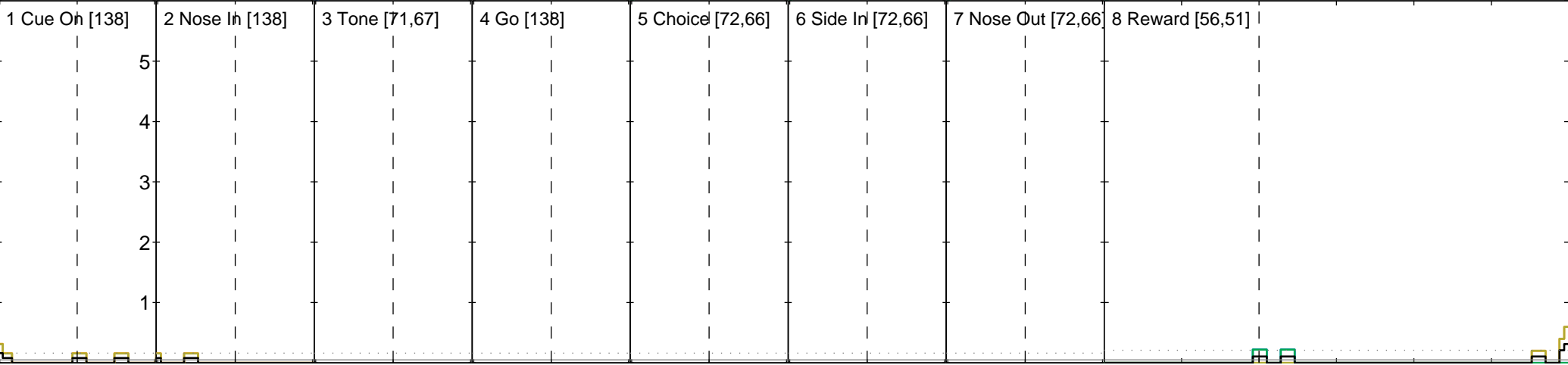
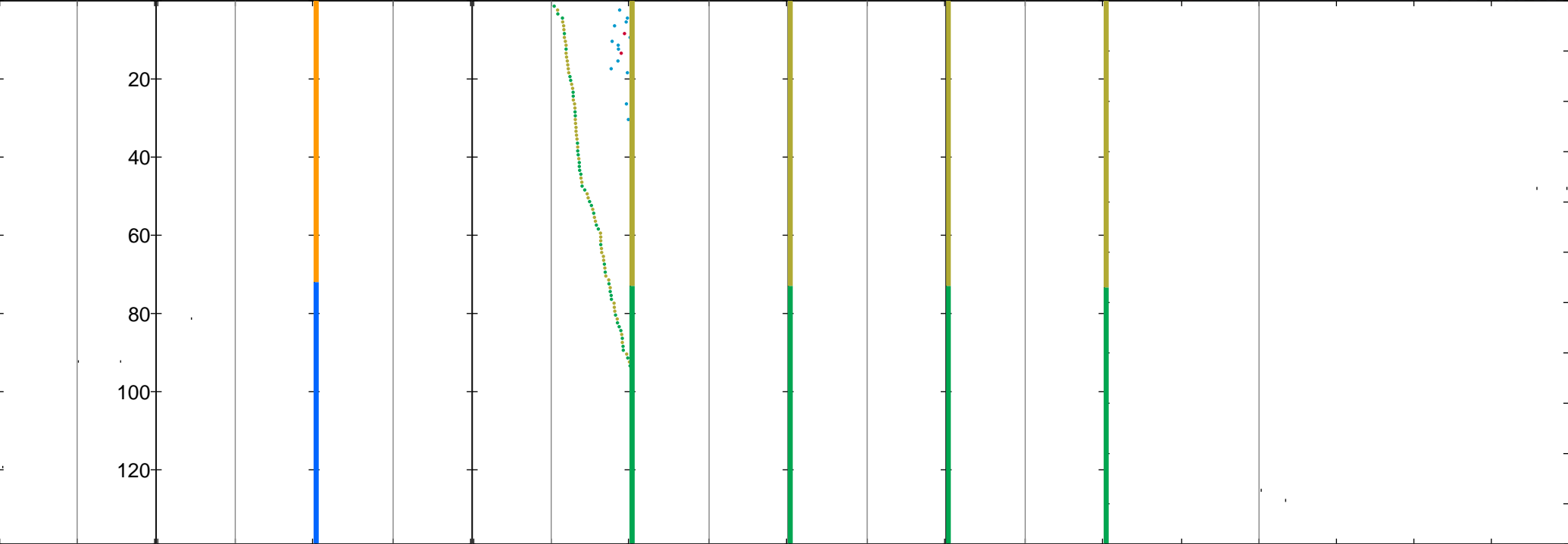
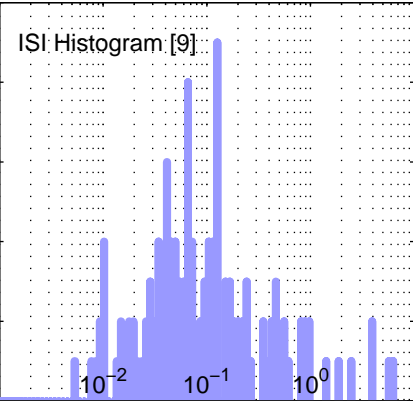
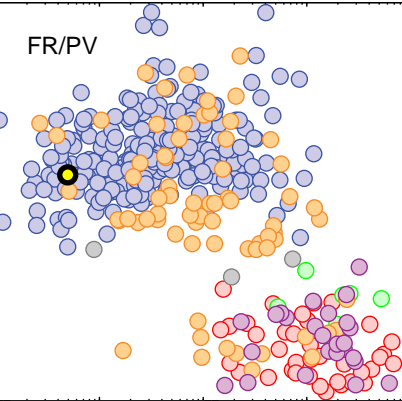
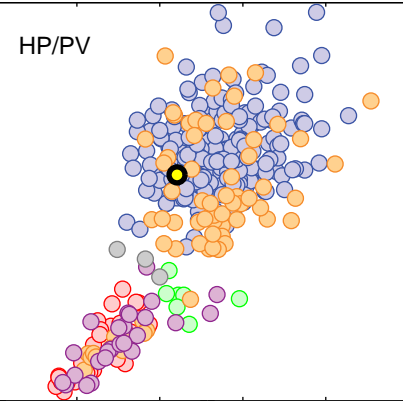
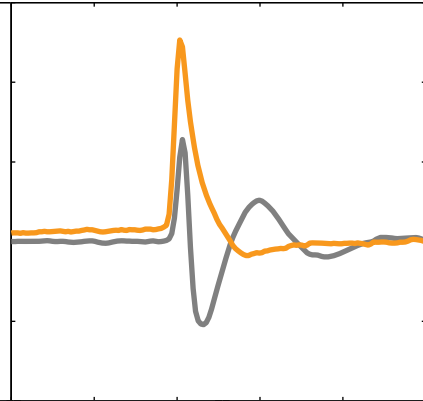
ISI Histogram [11]



Cell: C0420070301T02b

AP: 3.7 ML: 2.8 DV: 3
w: 4 n: 155 $P_{ISI>2}$: 0.99
1/2pw: 221 μ s p->v: 810 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0495 Hz
Pk Ev: None
Pk FR: --

M1_P

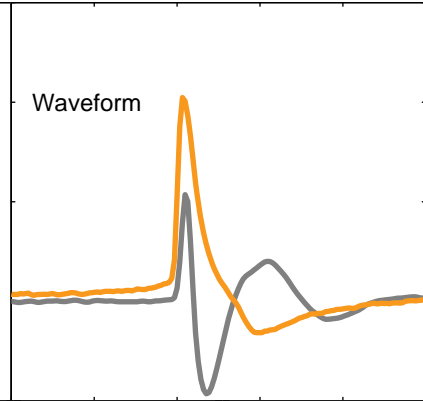


Cell: C0420070314T02c

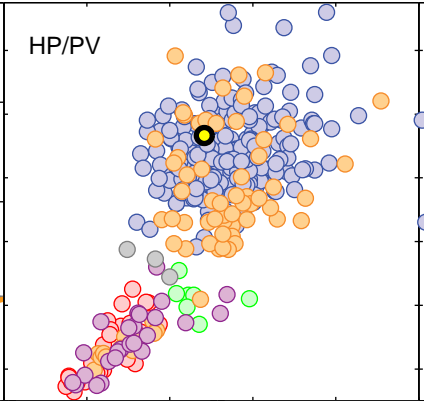
AP: 3.7 ML: 2.8 DV: 3.3
w: 1 n: 285 $P_{ISI>2}$: 0.99
1/2pw: 242 μ s p->v: 933 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0389 Hz
Pk Ev: None
Pk FR: --

M1_P

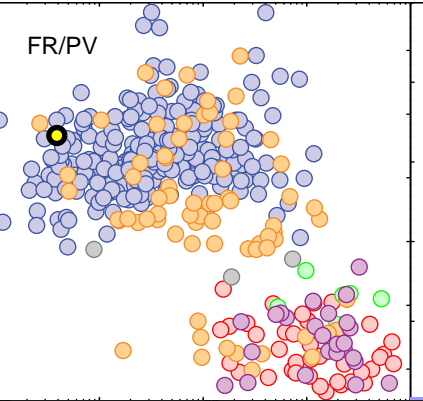
Waveform



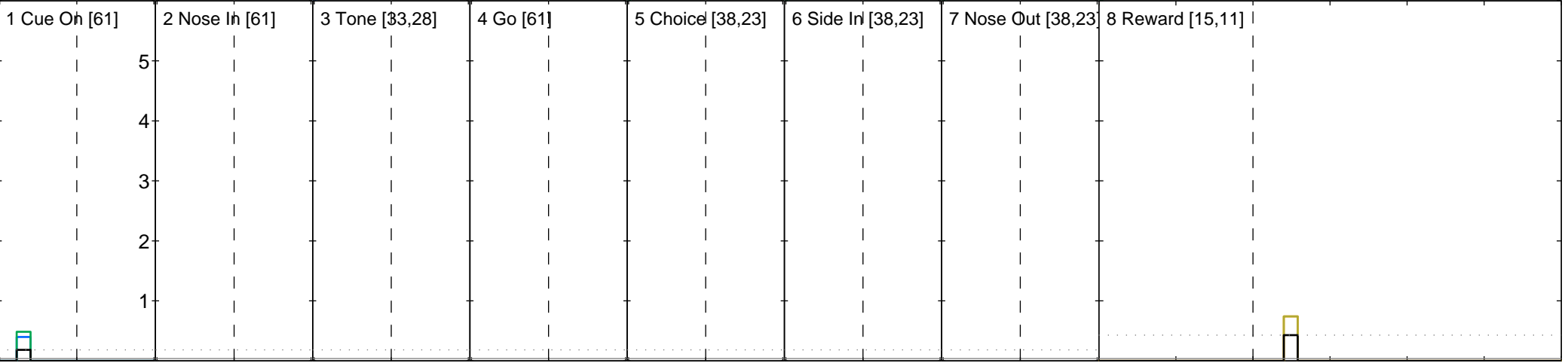
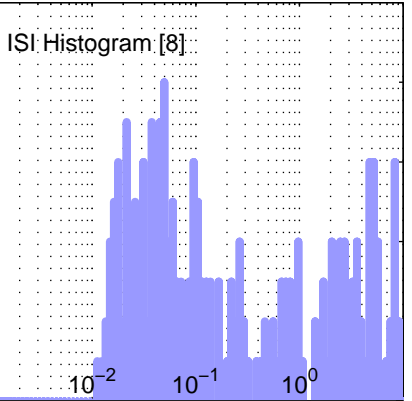
HP/PV



FR/PV



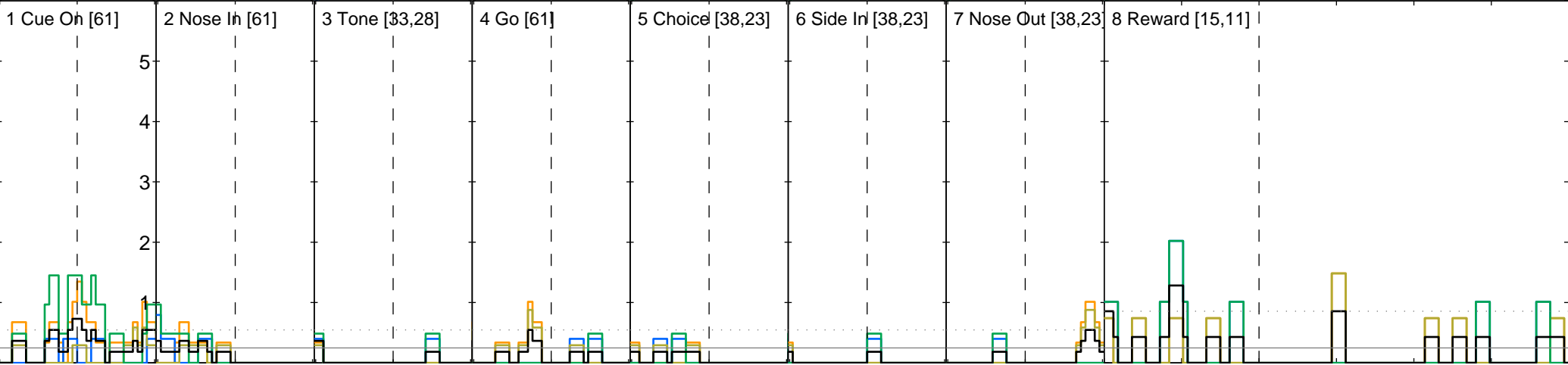
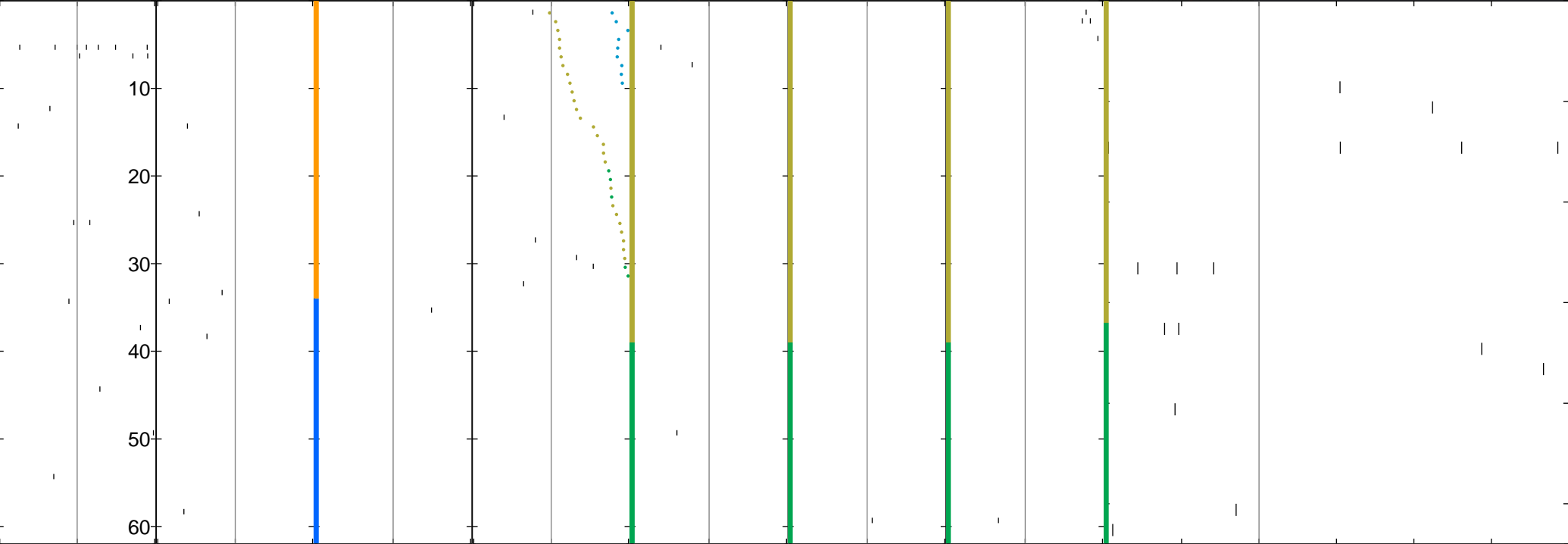
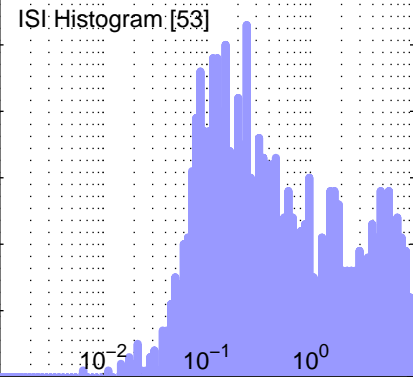
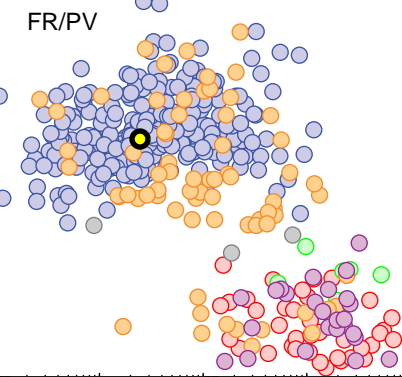
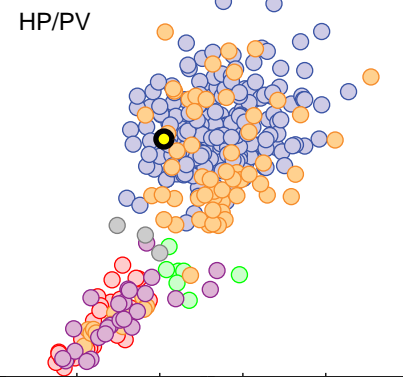
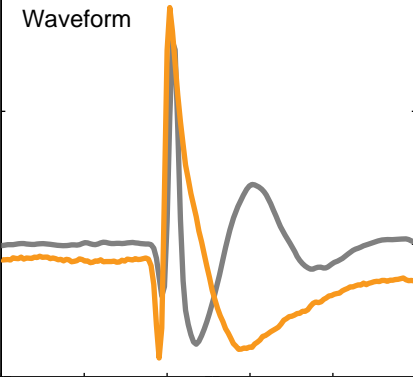
ISI Histogram [8]



Cell: C0420070314T02g

AP: 3.7 ML: 2.8 DV: 3.3
w: 1 n: 1814 $P_{ISI>2}$: 0.93
1/2pw: 205 μ s p->v: 846 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.246 Hz
Pk Ev: None
Pk FR: --

M1_P



Cell: C0420070314T02i

AP: 3.7 ML: 2.8 DV: 3.3

w: 2 n: 4898 $P_{ISI>2}$: 0.82

1/2pw: 256 μ s p->v: 971 μ s

β_T : NaN β_D : NaN

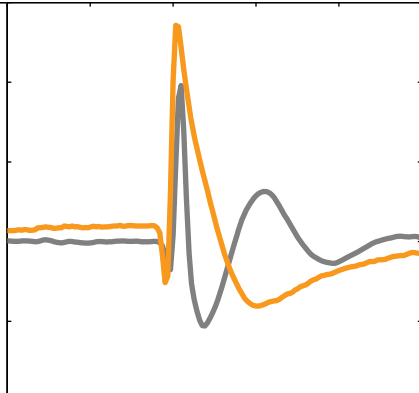
β_P : NaN SI: NaN

Session FR: 0.66 Hz

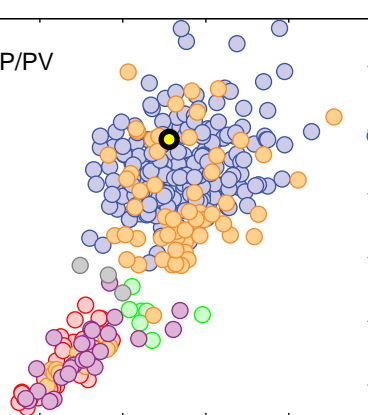
Pk Ev: None

Pk FR: --

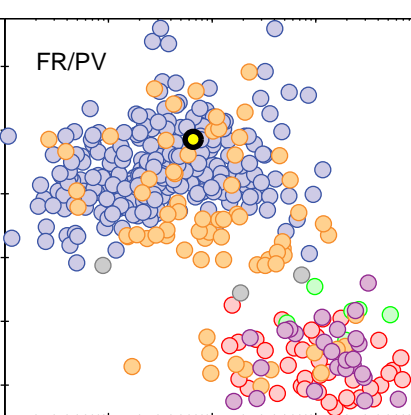
M1_p



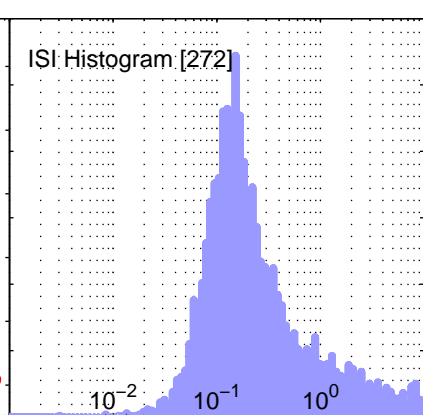
HP/PV



FR/PV



ISI Histogram [272]



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1 Cue On [61]

2 Nose In [61]

3 Tone [33,28]

4 Go [61]

5 Choice [38,23]

6 Side In [38,23]

7 Nose Out [38,23]

8 Reward [15,11]

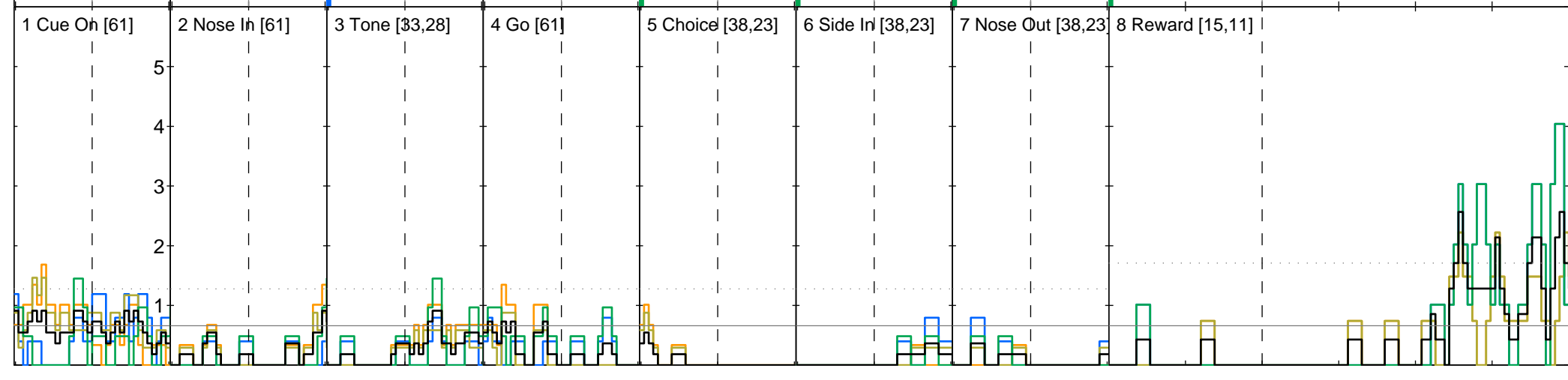
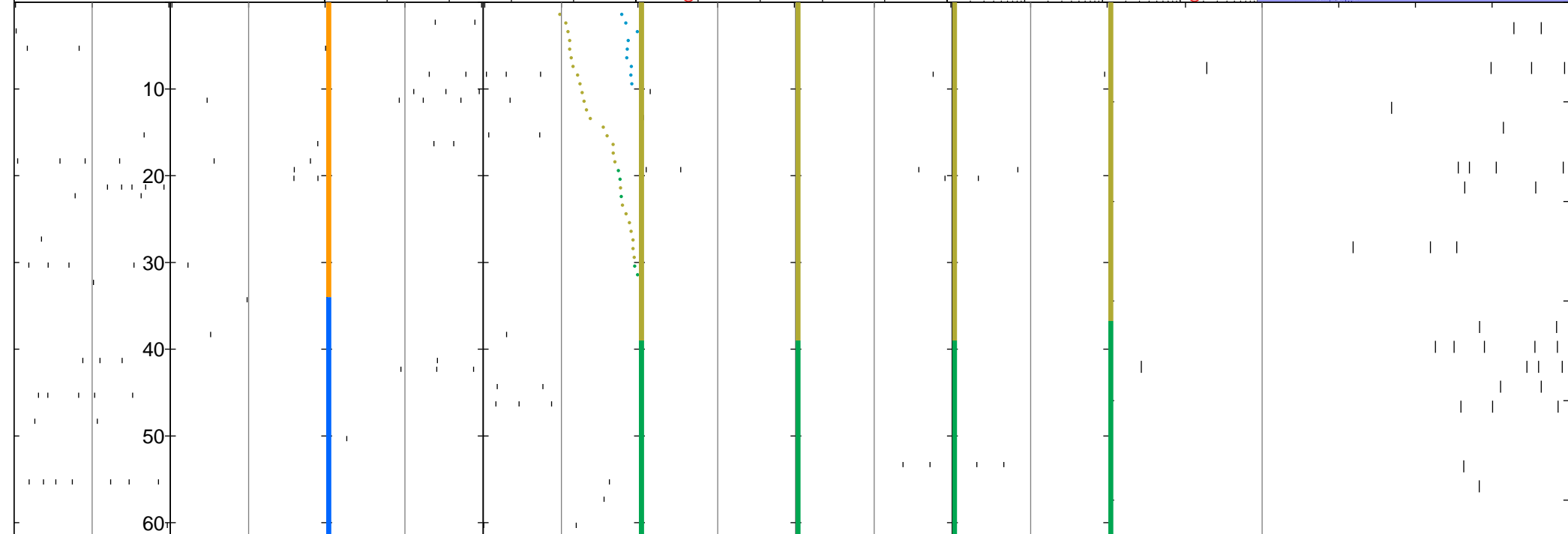
5

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2

1



Cell: C1220071027T01a

AP: 4.2 ML: 3.6 DV: 1.8

w: 3 n: 4516 $P_{ISI>2}$: 0.71/2pw: 266 μ s p->v: 683 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

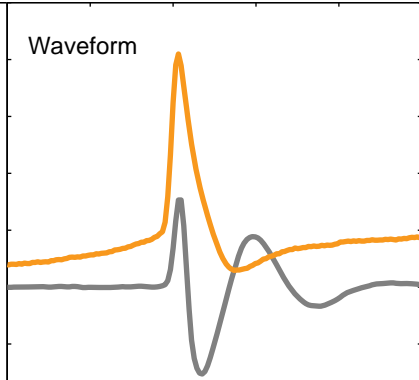
Session FR: 0.754 Hz

Pk Ev: None

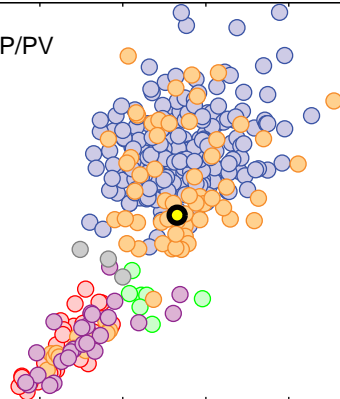
Pk FR: --

M1_P

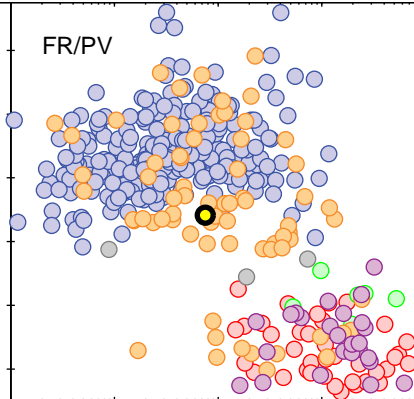
Waveform



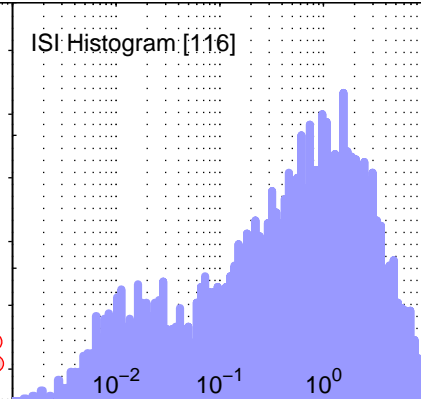
HP/PV



FR/PV



ISI Histogram [116]



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1 Cue On [64]

2 Nose In [64]

3 Tone [27,37]

4 Go [64]

5 Choice [23,41]

6 Side In [23,41]

7 Nose Out [23,41]

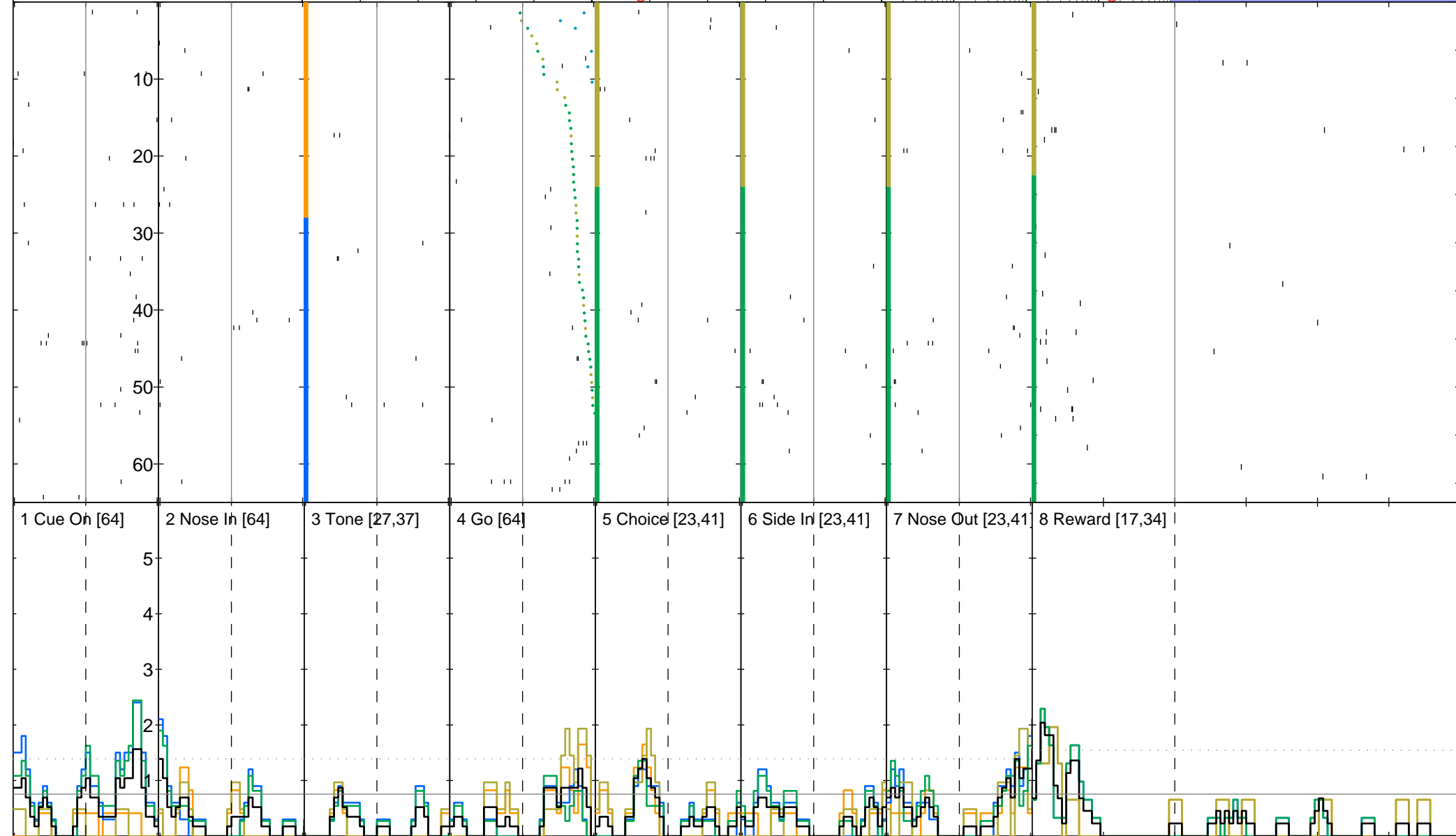
8 Reward [17,34]

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3

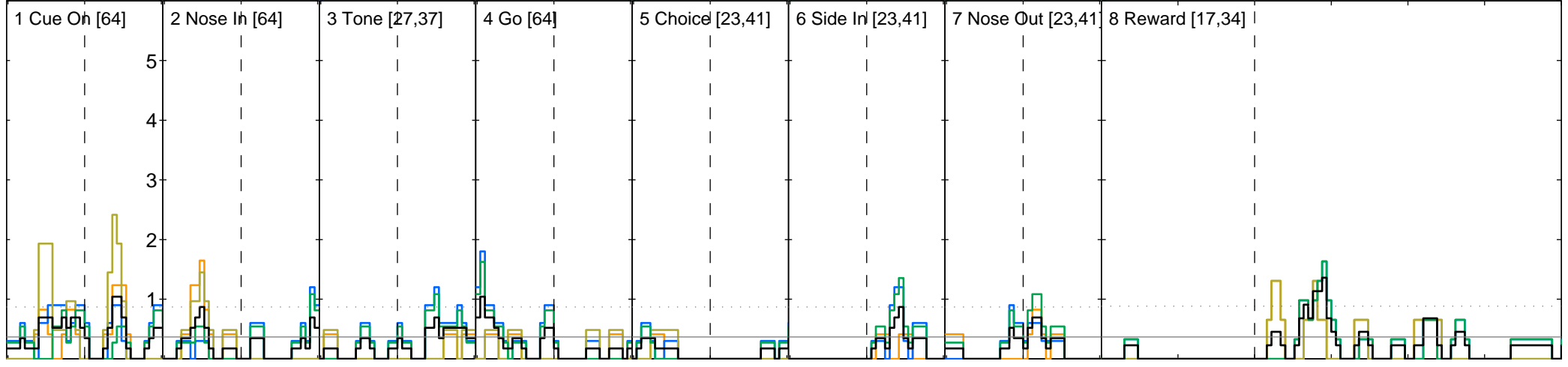
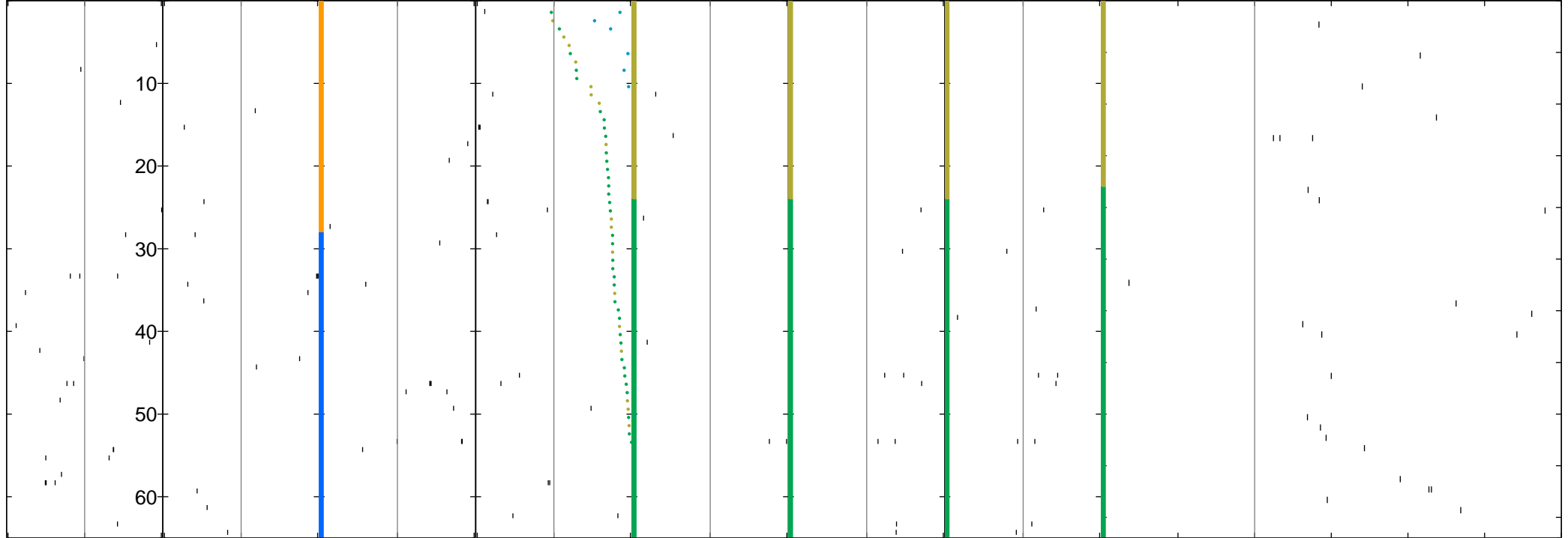
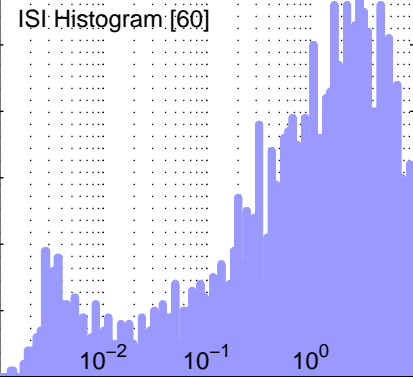
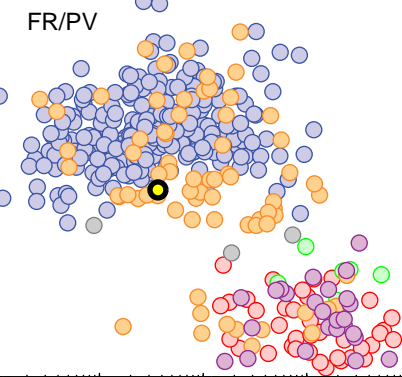
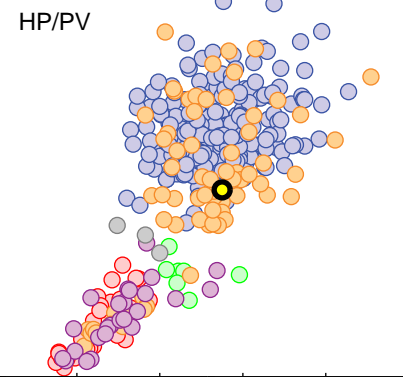
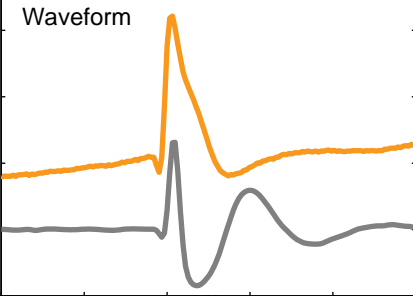
2



Cell: C1220071027T01c

AP: 4.2 ML: 3.6 DV: 1.8
w: 3 n: 2190 $P_{ISI>2}$: 0.87
1/2pw: 275 μ s p->v: 686 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.366 Hz
Pk Ev: None
Pk FR: --

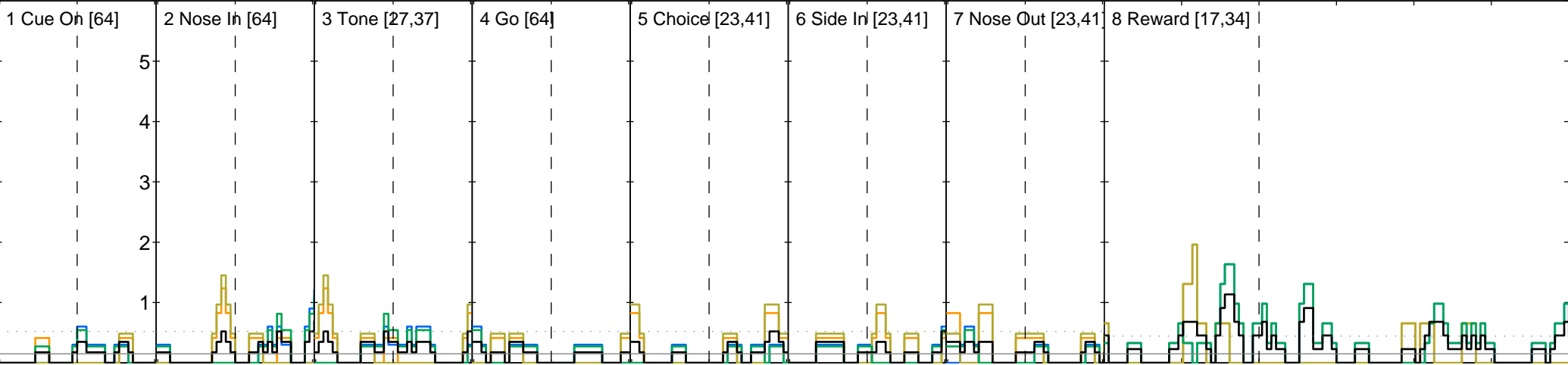
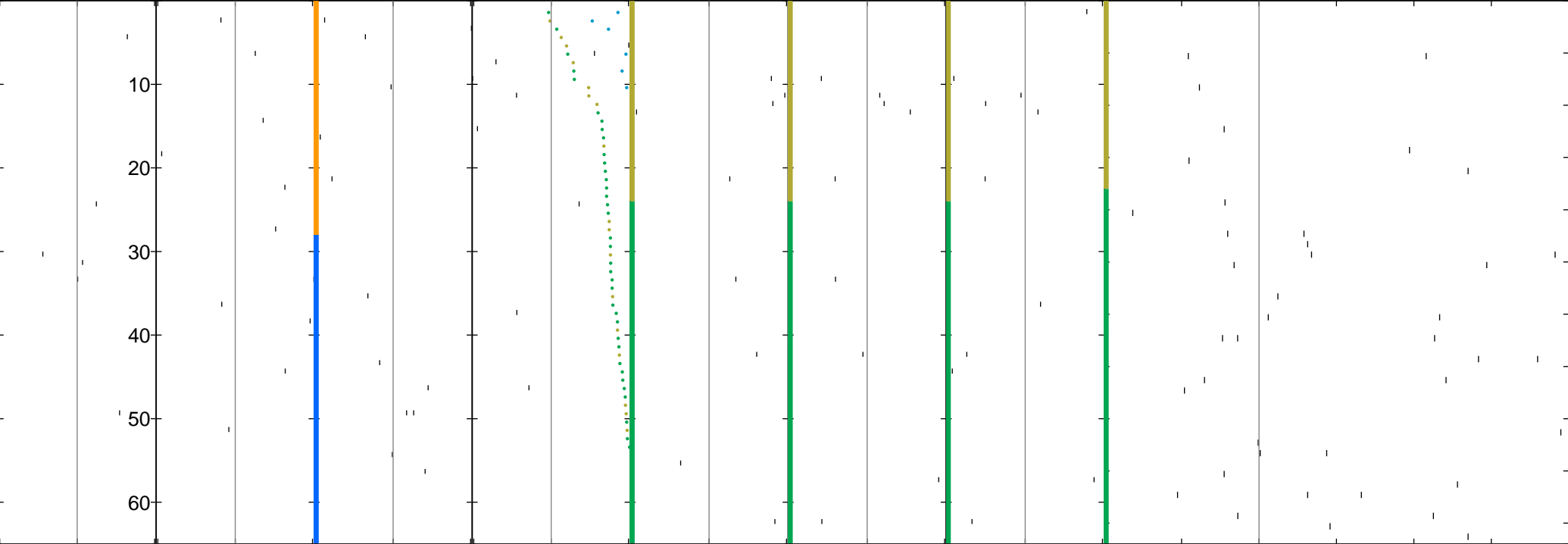
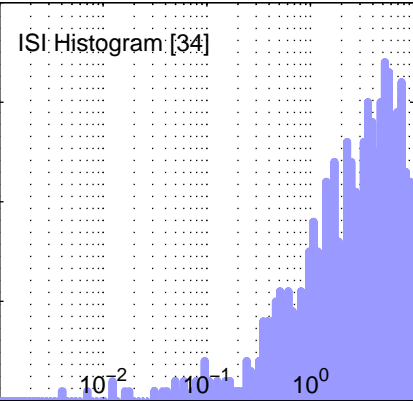
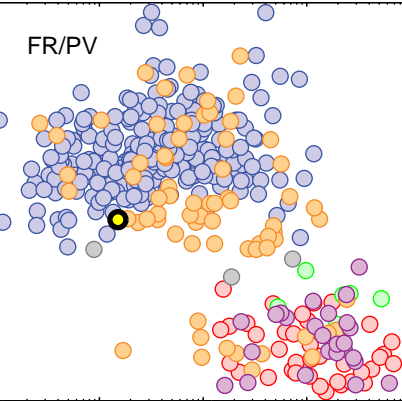
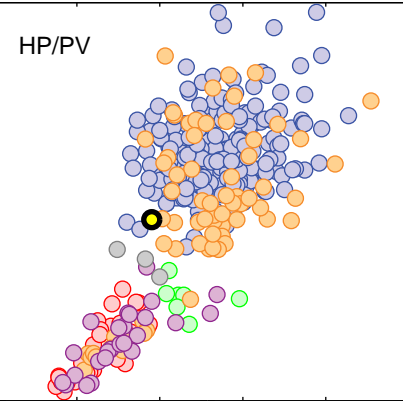
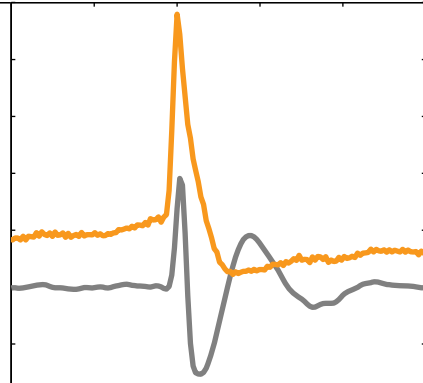
M1_P



Cell: C1220071027T03g

AP: 3.2 ML: 2.6 DV: 2.2
w: 3 n: 884 $P_{ISI>2}$: 0.96
1/2pw: 190 μ s p->v: 669 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.151 Hz
Pk Ev: None
Pk FR: --

M1_p

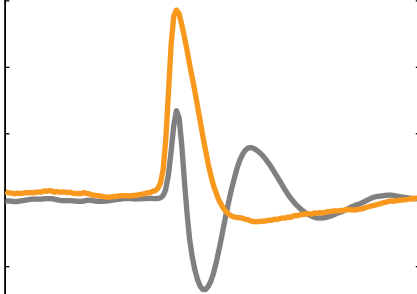


Cell: C1220071027T03h

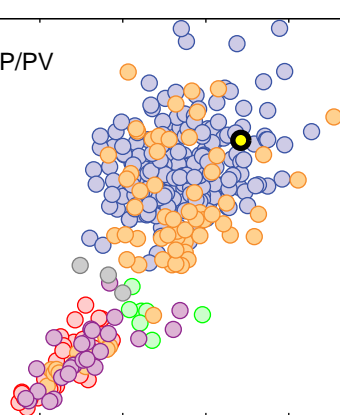
AP: 3.2 ML: 2.6 DV: 2.2
w: 1 n: 2157 $P_{ISI>2}$: 0.84
1/2pw: 342 μ s p->v: 968 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.36 Hz
Pk Ev: None
Pk FR: --

M1_p

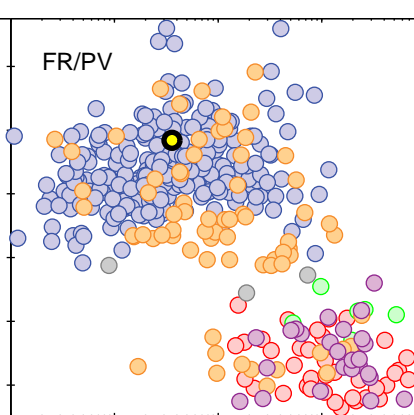
Waveform



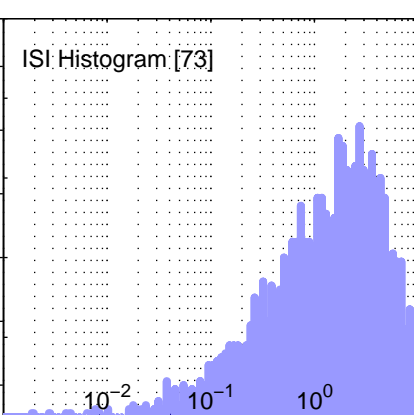
HP/PV



FR/PV



ISI Histogram [73]



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1 Cue On [64]

2 Nose In [64]

3 Tone [27,37]

4 Go [64]

5 Choice [23,41]

6 Side In [23,41]

7 Nose Out [23,41]

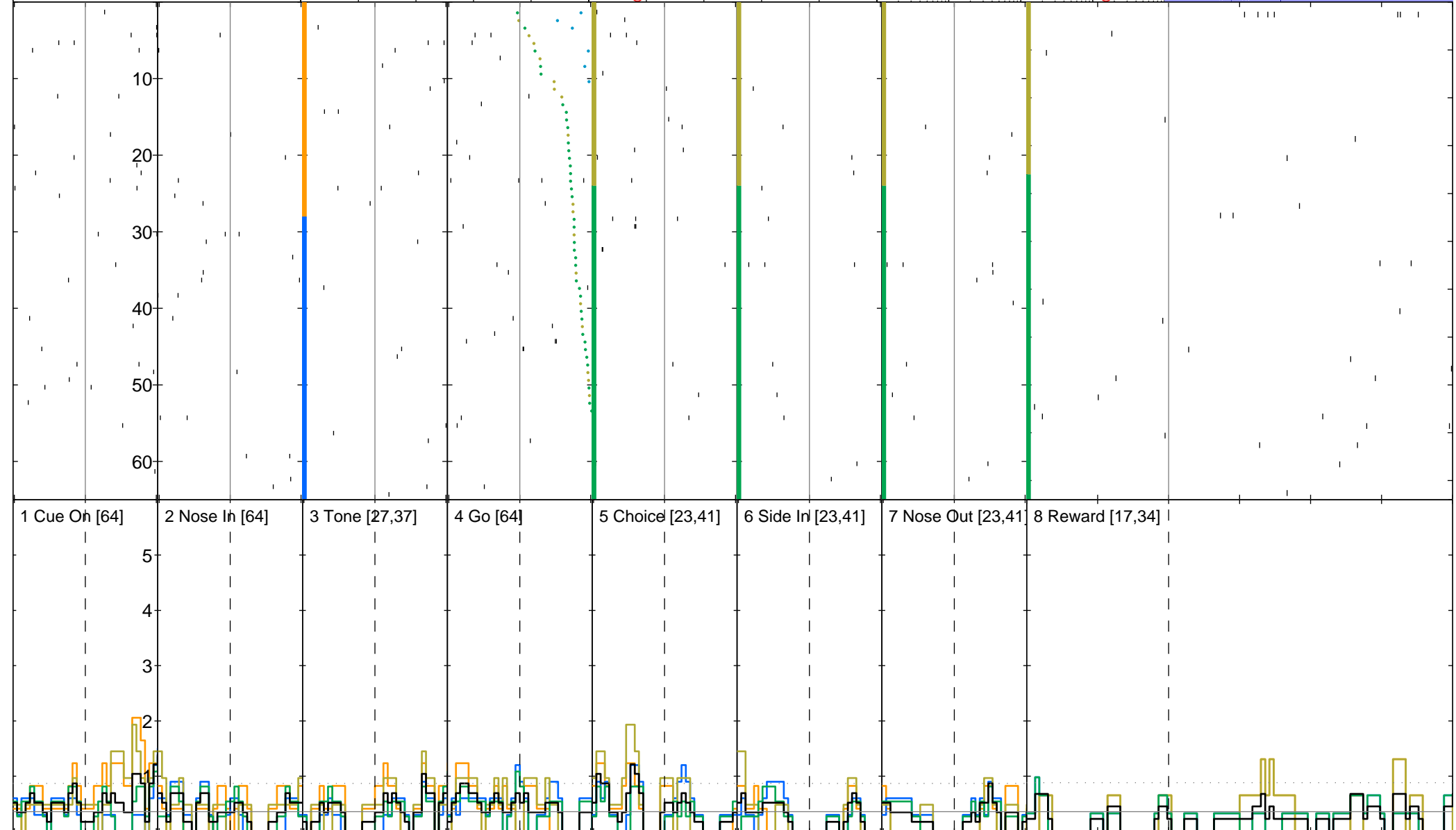
8 Reward [17,34]

5

4

3

2



Cell: C1220071027T03k

AP: 3.2 ML: 2.6 DV: 2.2

w: 2 n: 4884 $P_{ISI>2}$: 0.691/2pw: 288 μ s p \rightarrow v: 722 μ s β_T : NaN β_D : NaN β_P : NaN SI: NaN

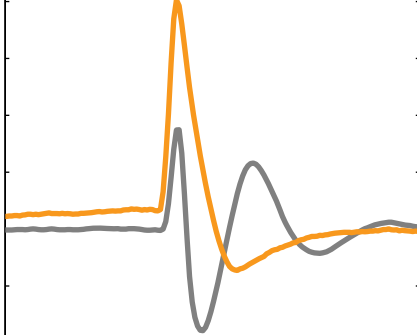
Session FR: 0.816 Hz

Pk Ev: None

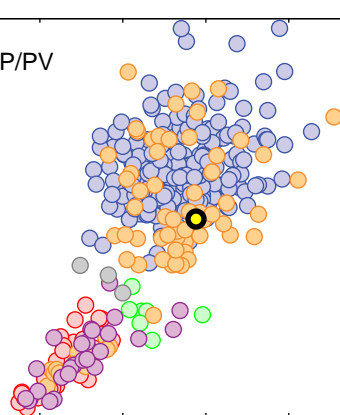
Pk FR: --

M1_P

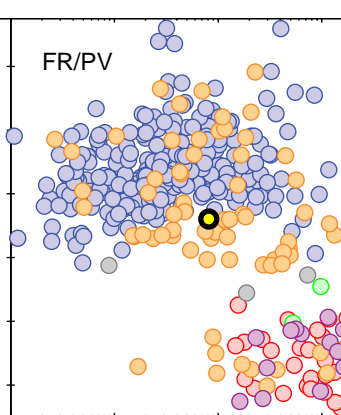
Waveform



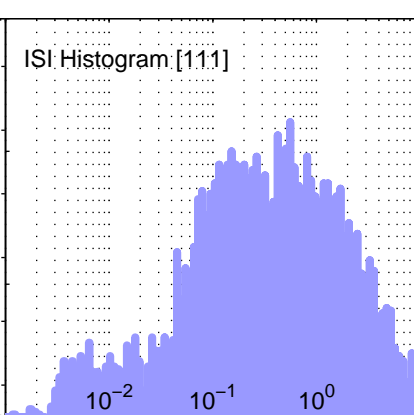
HP/PV



FR/PV



ISI Histogram [111]



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1 Cue On [64]

2 Nose In [64]

3 Tone [27,37]

4 Go [64]

5 Choice [23,41]

6 Side In [23,41]

7 Nose Out [23,41]

8 Reward [17,34]

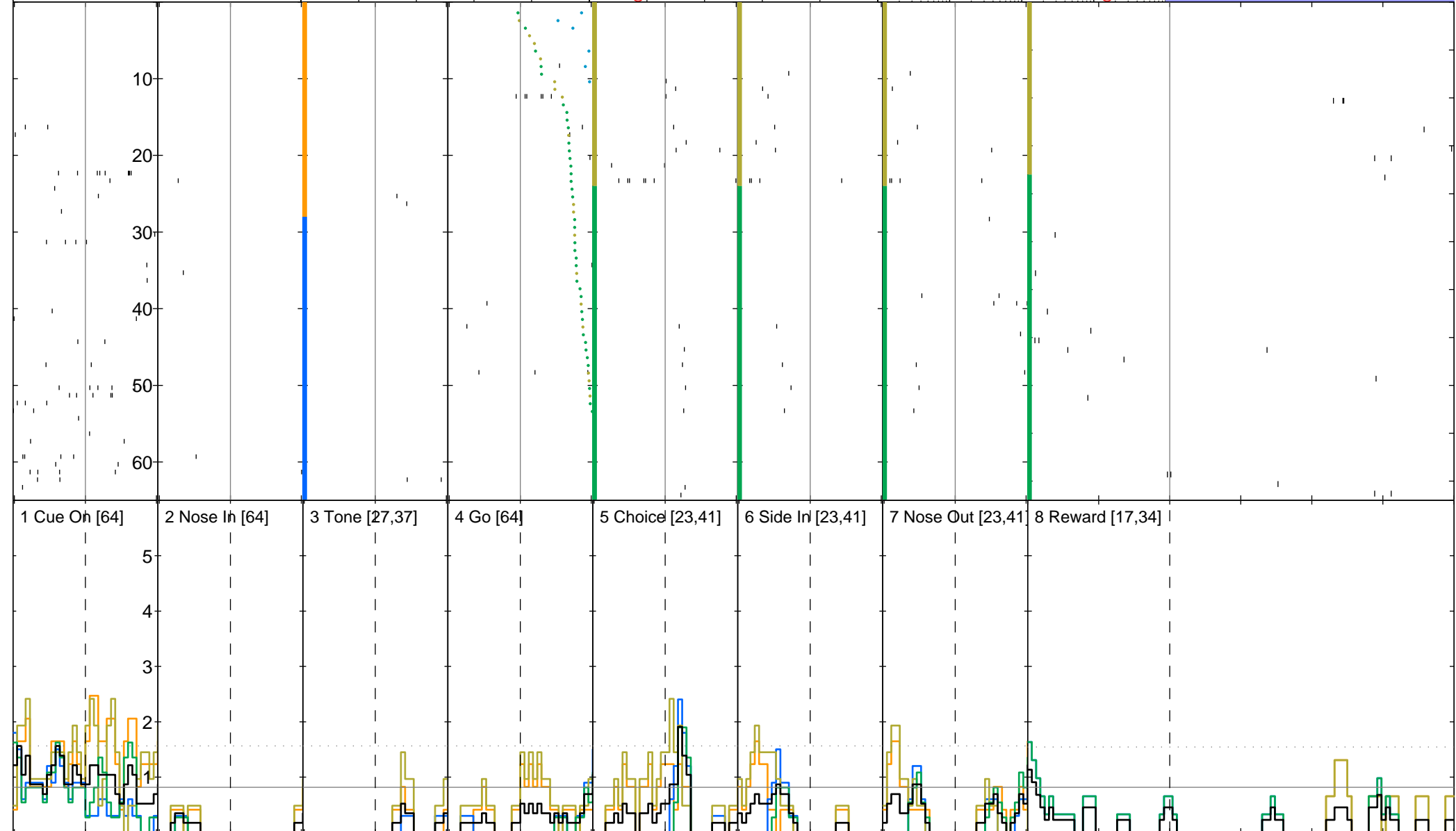
5

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1



Cell: C1220071028T01a

AP: 4.2 ML: 3.6 DV: 1.9

w: 3 n: 5504 $P_{ISI>2}$: 0.43

1/2pw: 454 μ s p \rightarrow v: 1042 μ s

β_T : 0.85 β_D : 1

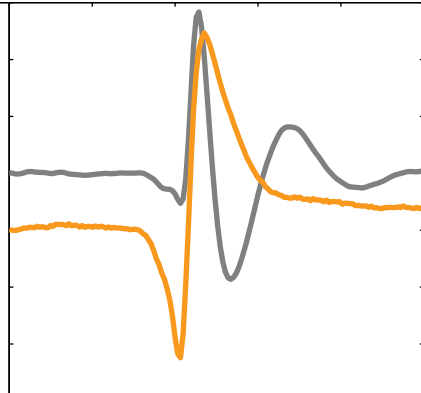
β_P : 2.4 SI: NaN

Session FR: 1.1 Hz

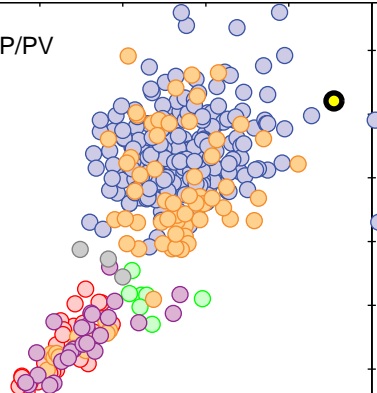
Pk Ev: None

Pk FR: --

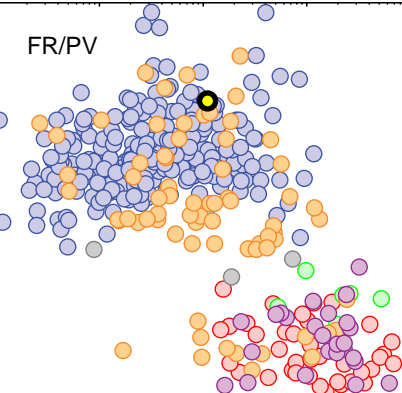
M1_p



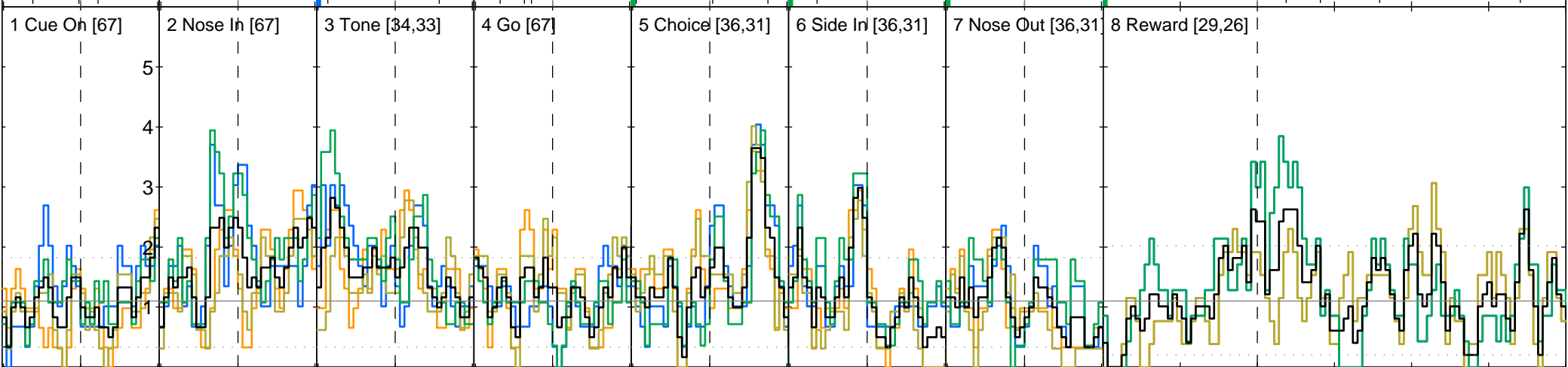
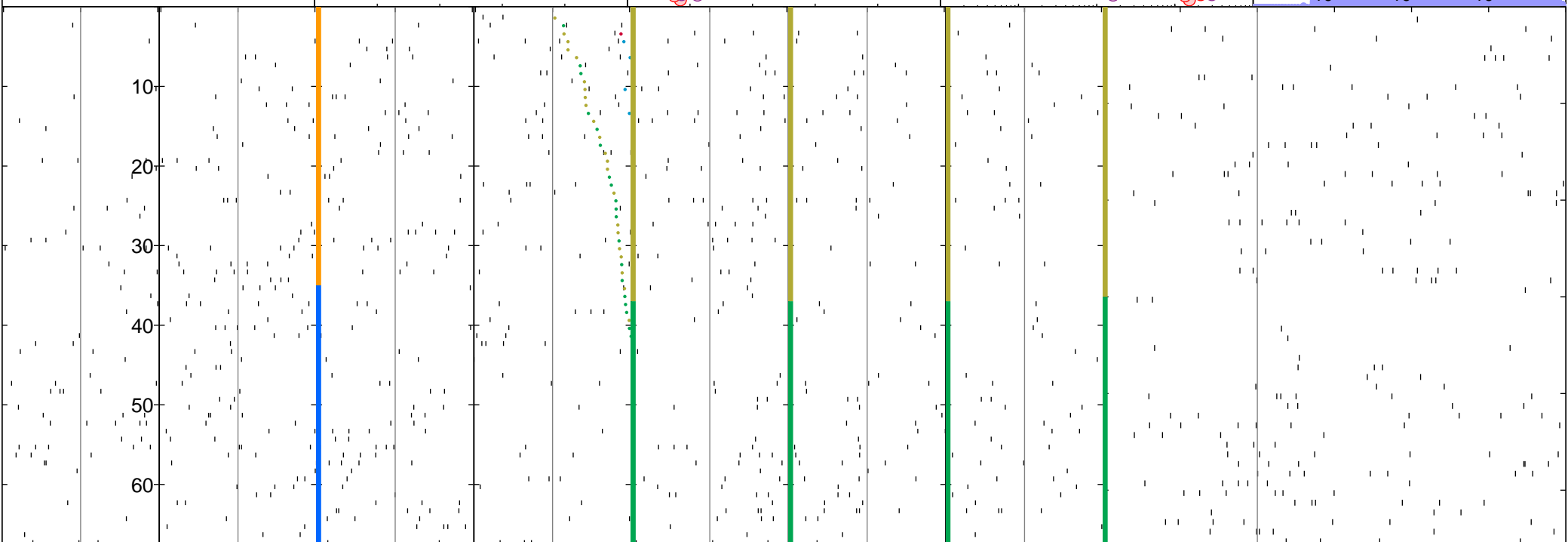
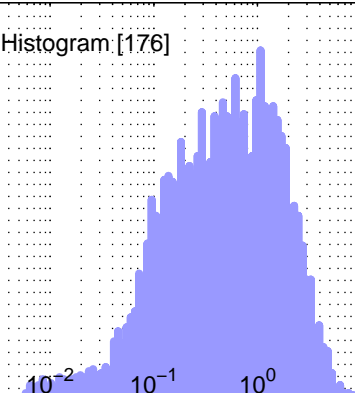
HP/PV



FR/PV



ISI Histogram [176]



1 Cue On [67]

2 Nose In [67]

3 Tone [34,33]

4 Go [67]

5 Choice [36,31]

6 Side In [36,31]

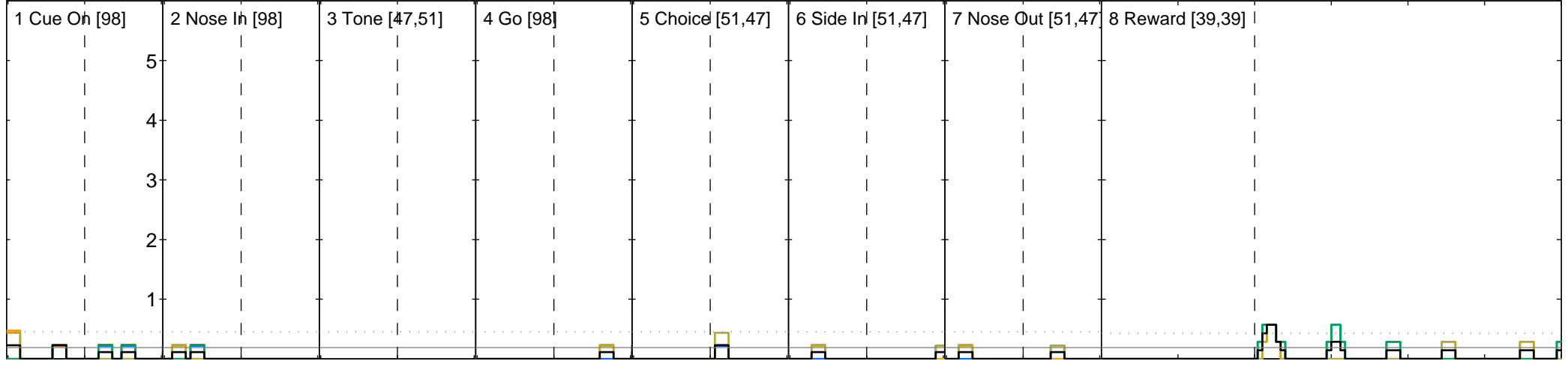
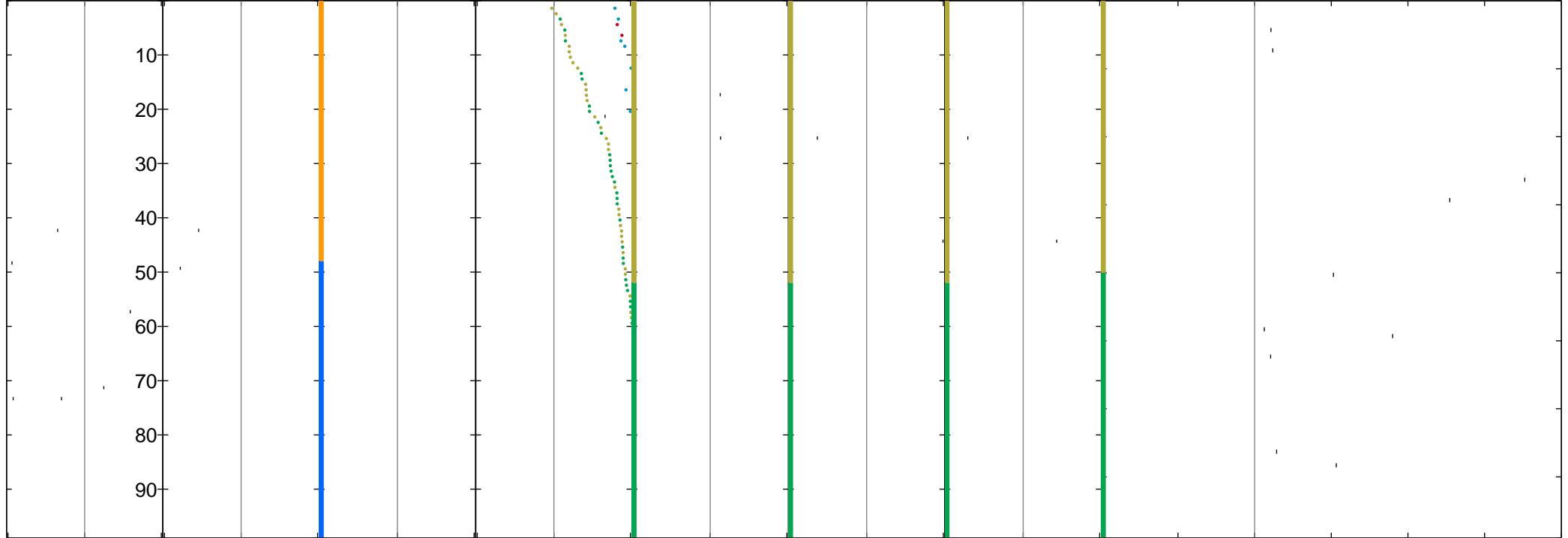
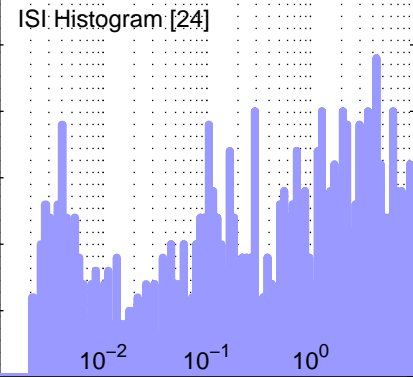
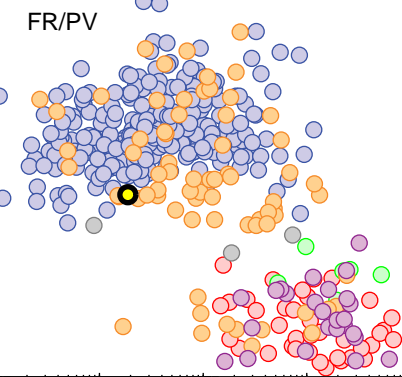
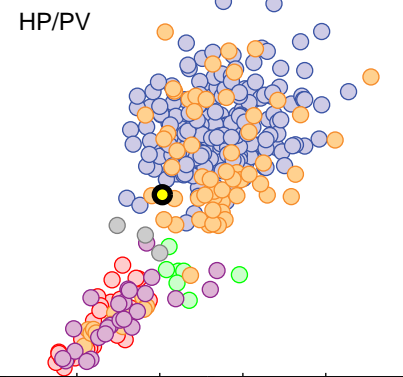
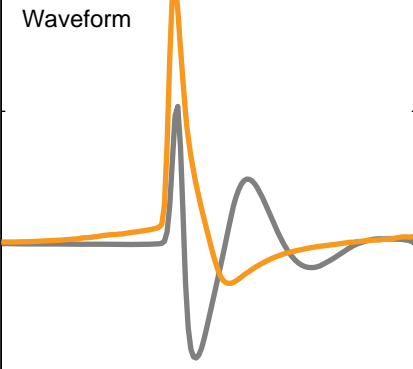
7 Nose Out [36,31]

8 Reward [29,26]

Cell: C1220071028T03a

AP: 3.2 ML: 2.6 DV: 2.3
w: 2 n: 1112 $P_{ISI>2}$: 0.95
1/2pw: 203 μ s p->v: 672 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.188 Hz
Pk Ev: None
Pk FR: --

M1_P



Cell: C1220071028T03f

AP: 3.2 ML: 2.6 DV: 2.3

w: 3 n: 7729 $P_{ISI>2}$: 0.66

1/2pw: 261 μ s p \rightarrow v: 720 μ s

β_T : 0.42 β_D : 0.83

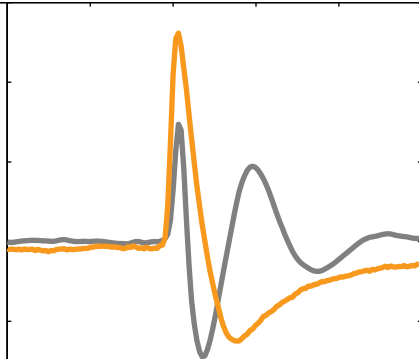
β_P : -0.9 SI: NaN

Session FR: 1.29 Hz

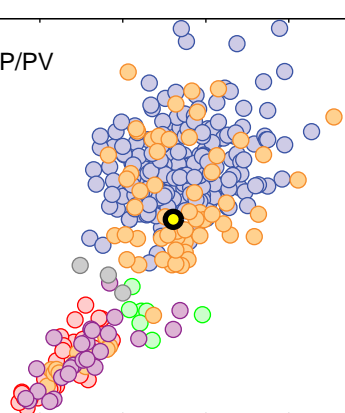
Pk Ev: None

Pk FR: --

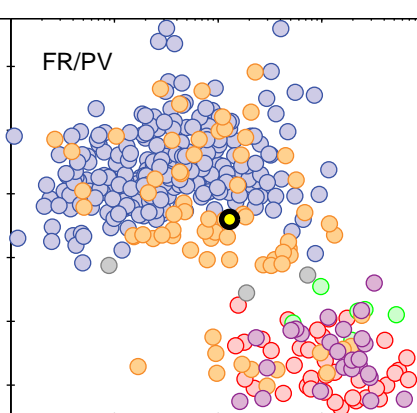
M1_p



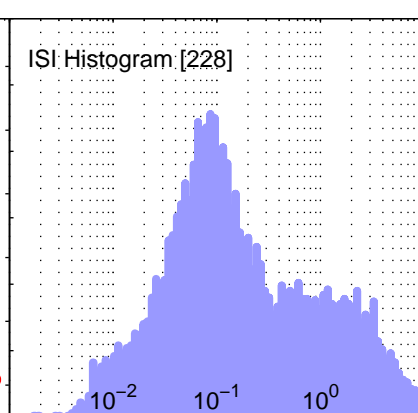
HP/PV



FR/PV

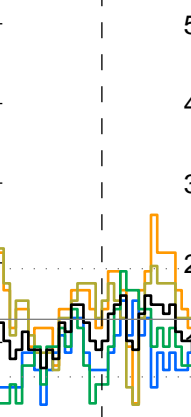


ISI Histogram [228]

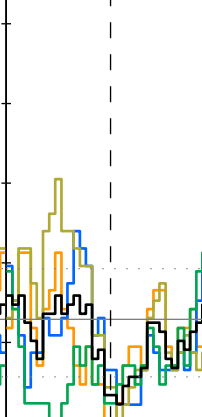


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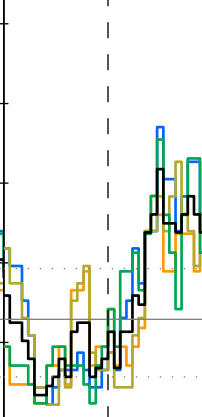
1 Cue On [98]



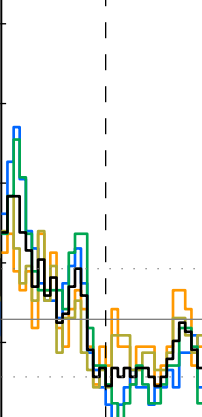
2 Nose In [98]



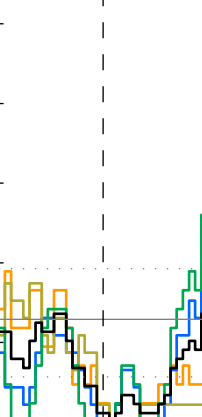
3 Tone [47,51]



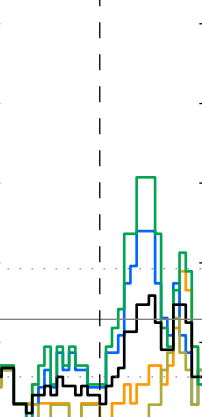
4 Go [98]



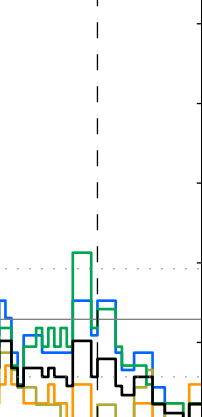
5 Choice [51,47]



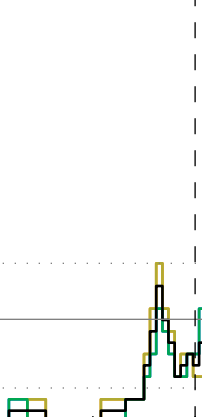
6 Side In [51,47]



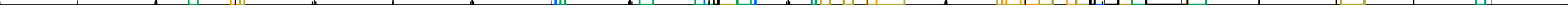
7 Nose Out [51,47]



8 Reward [39,39]



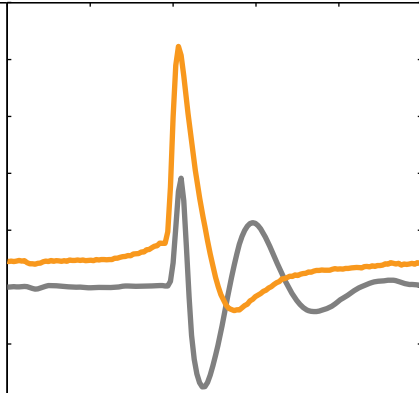
5
4
3
2



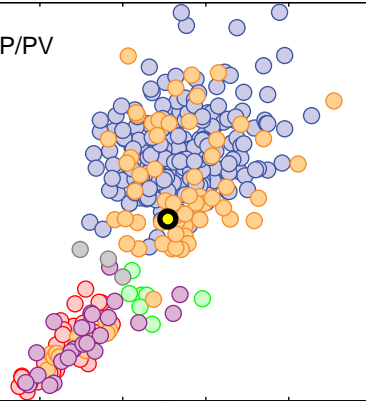
Cell: C1220071028T03g

AP: 3.2 ML: 2.6 DV: 2.3
w: 3 n: 1722 $P_{ISI>2}$: 0.93
1/2pw: 254 μ s p->v: 670 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.287 Hz
Pk Ev: None
Pk FR: --

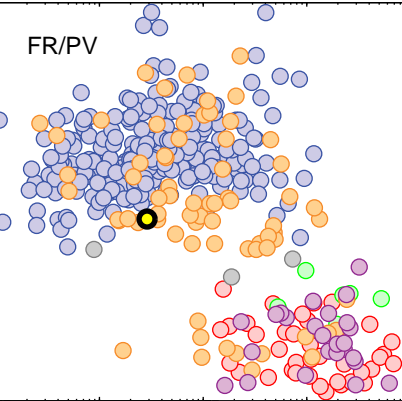
M1_P



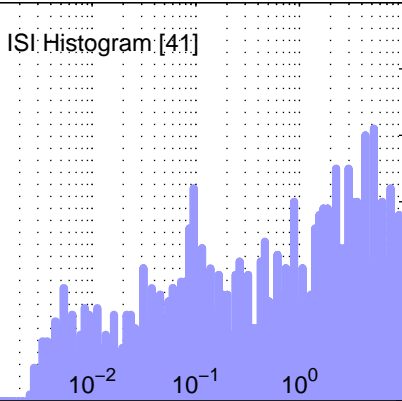
HP/PV



FR/PV



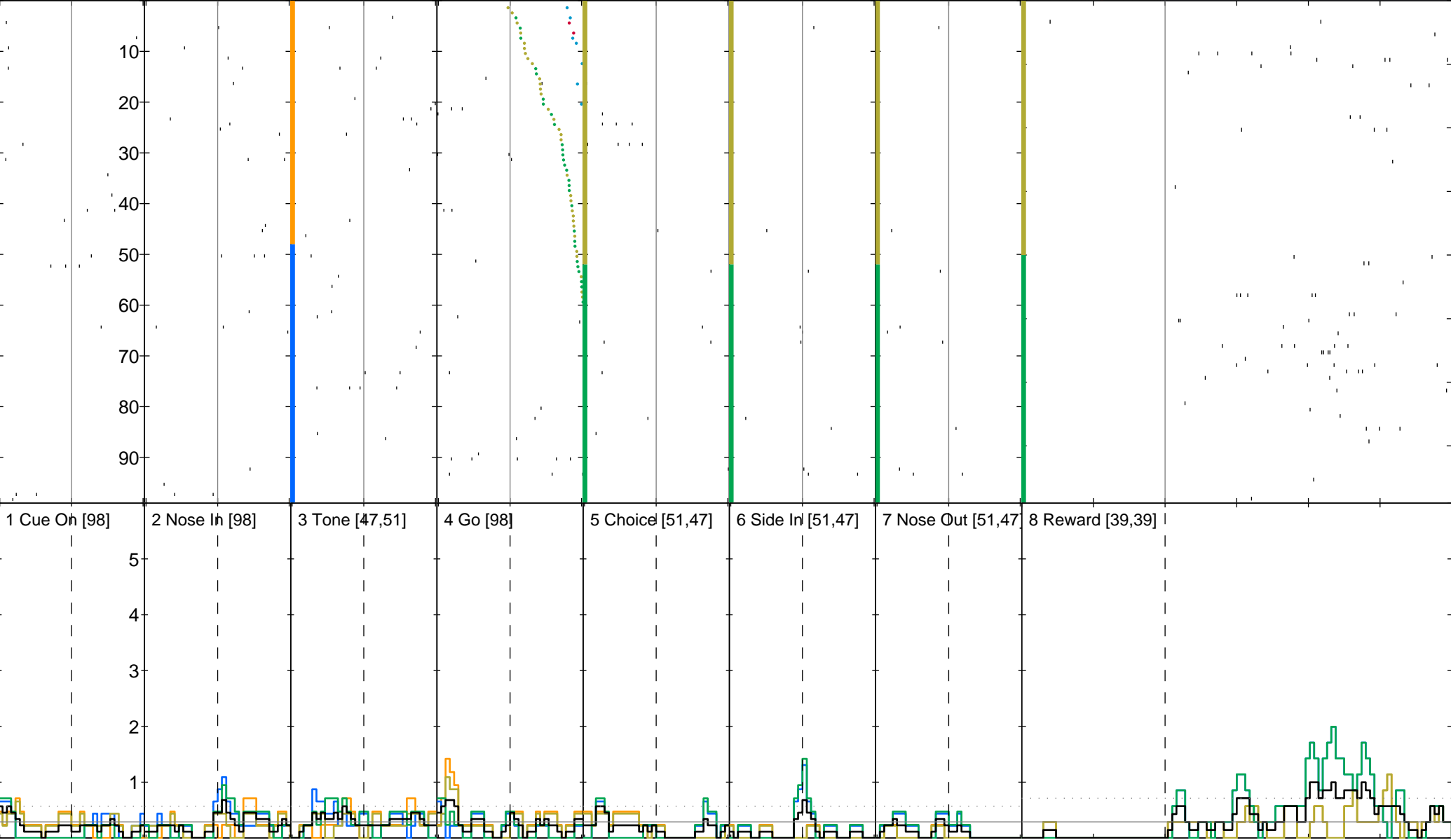
ISI Histogram [41]



10
20
30
40
50
60
70
80
90

1 Cue On [98] 2 Nose In [98] 3 Tone [47,51] 4 Go [98] 5 Choice [51,47] 6 Side In [51,47] 7 Nose Out [51,47] 8 Reward [39,39]

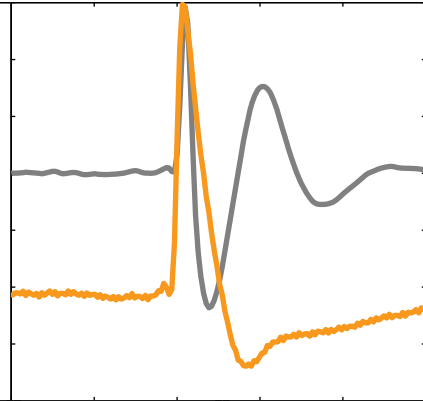
5
4
3
2
1



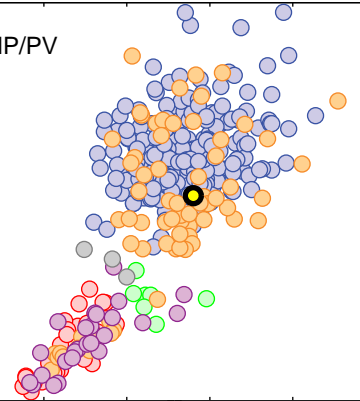
Cell: C1220071114T03f

AP: 3.2 ML: 2.6 DV: 2.4
w: 2 n: 2898 $P_{ISI>2}$: 0.86
1/2pw: 280 μ s p->v: 744 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.476 Hz
Pk Ev: None
Pk FR: --

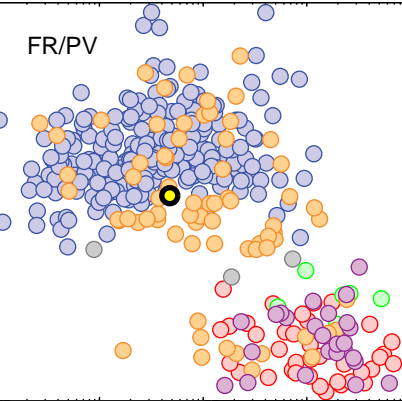
M1_p



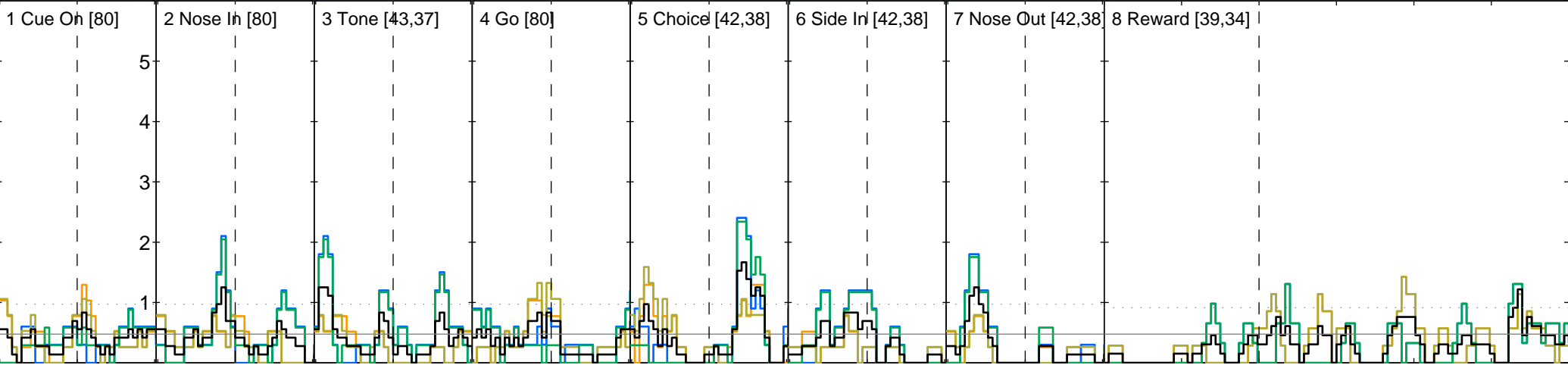
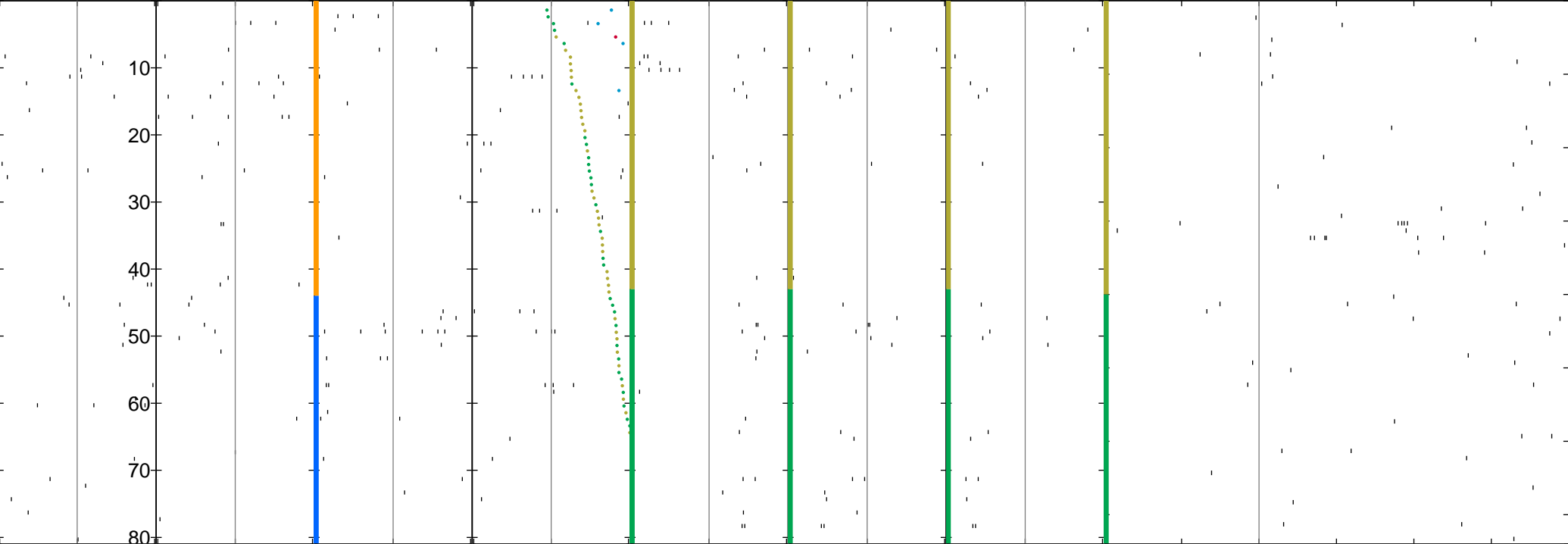
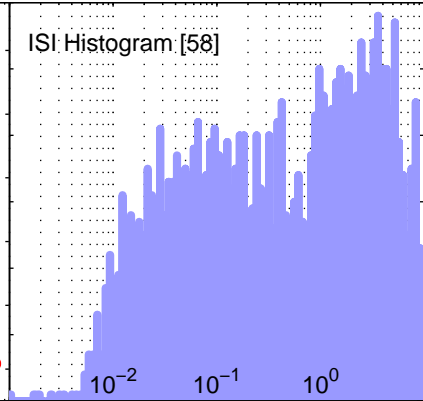
HP/PV



FR/PV



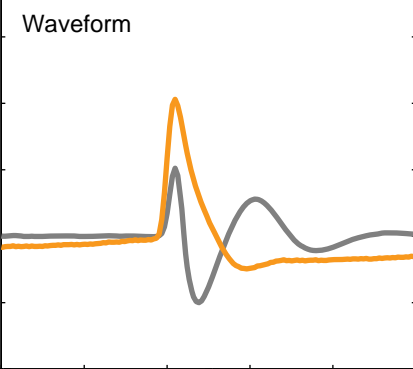
ISI Histogram [58]



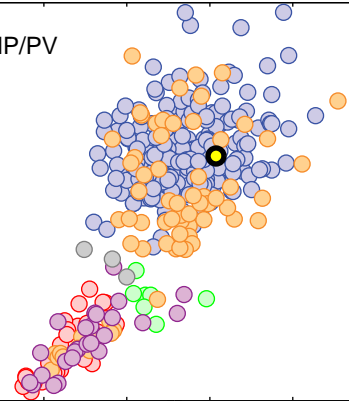
Cell: C1220071115T03a

AP: 3.2 ML: 2.6 DV: 2.5
w: 1 n: 3010 $P_{ISI>2}$: 0.93
1/2pw: 307 μ s p->v: 869 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.428 Hz
Pk Ev: None
Pk FR: --

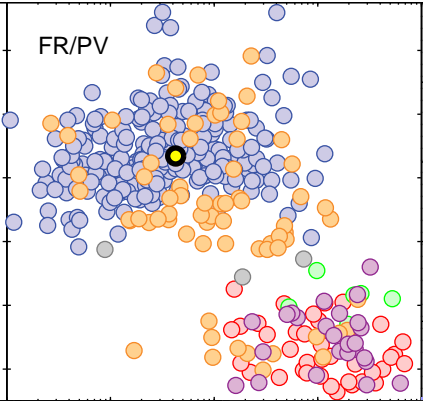
M1_P



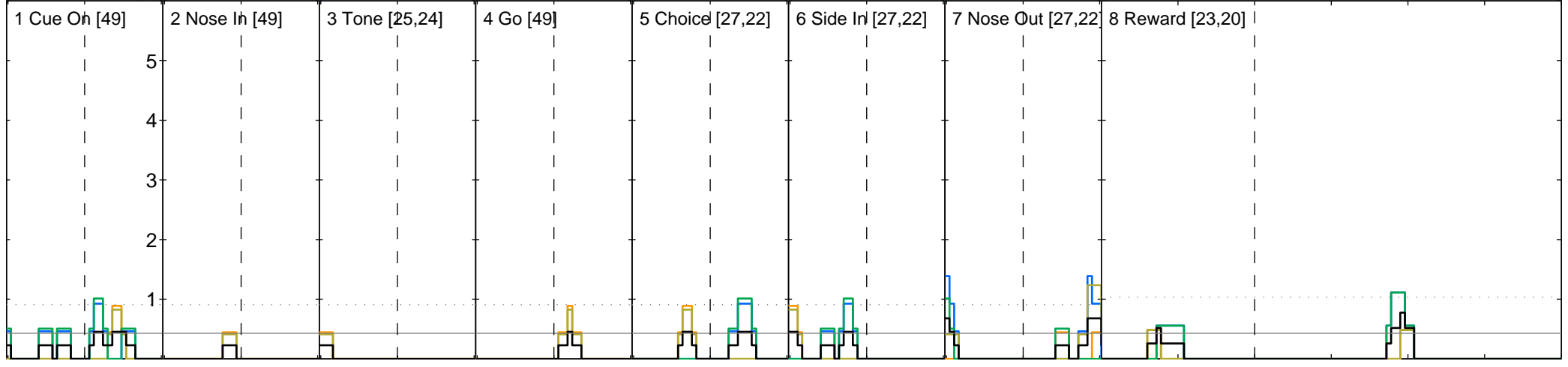
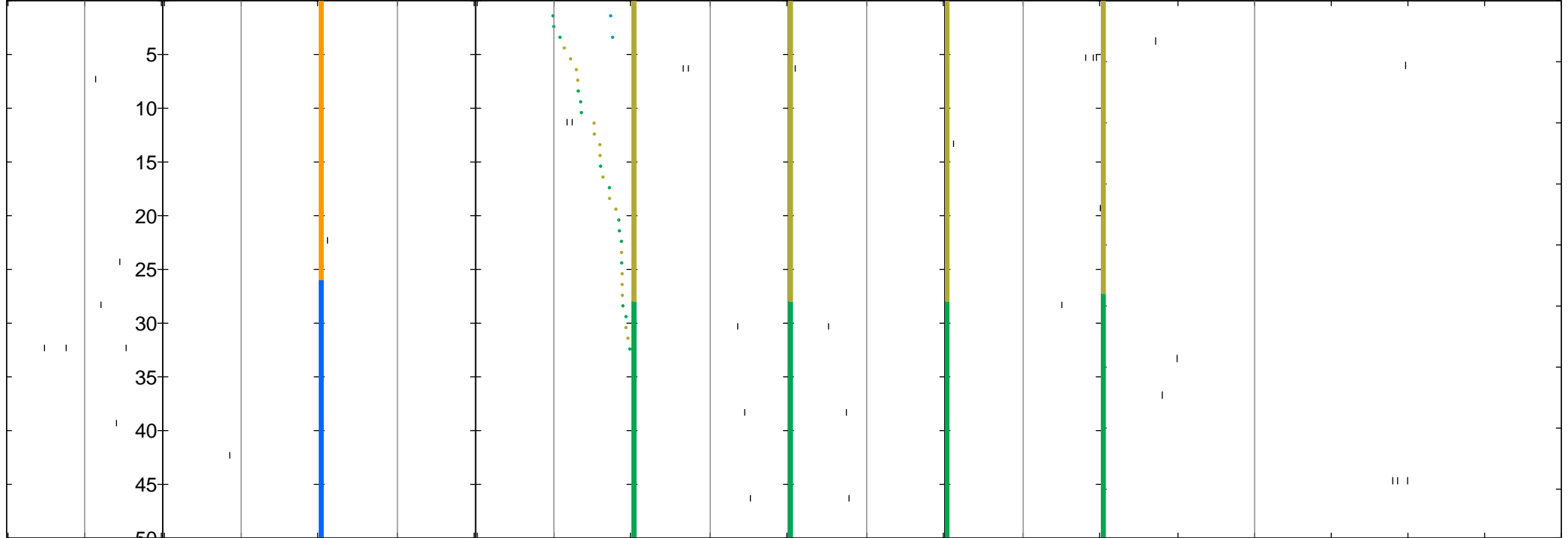
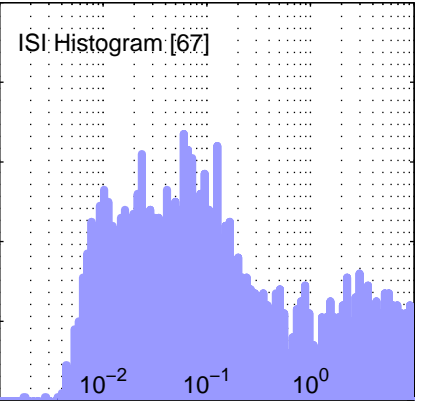
HP/PV



FR/PV



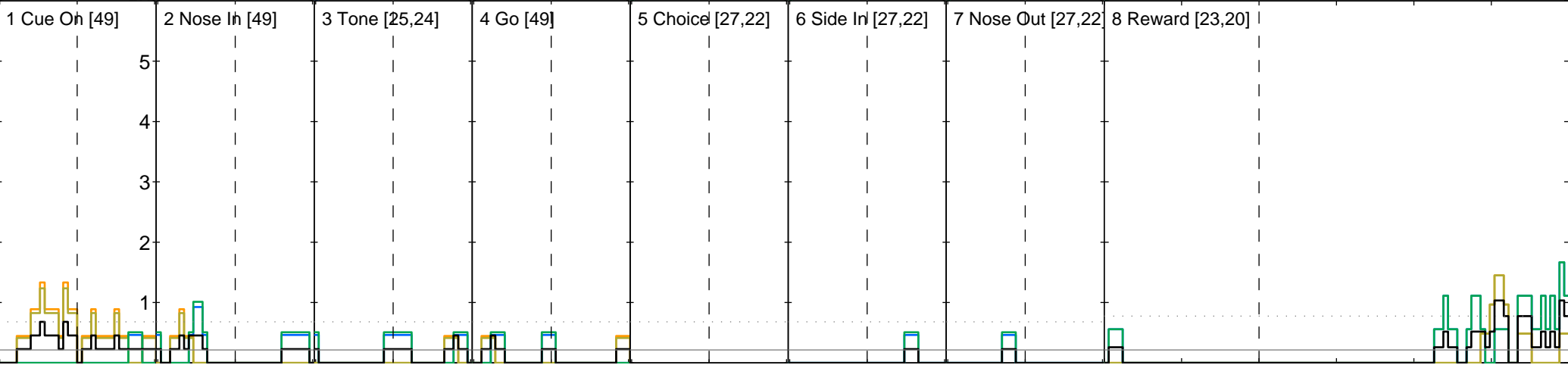
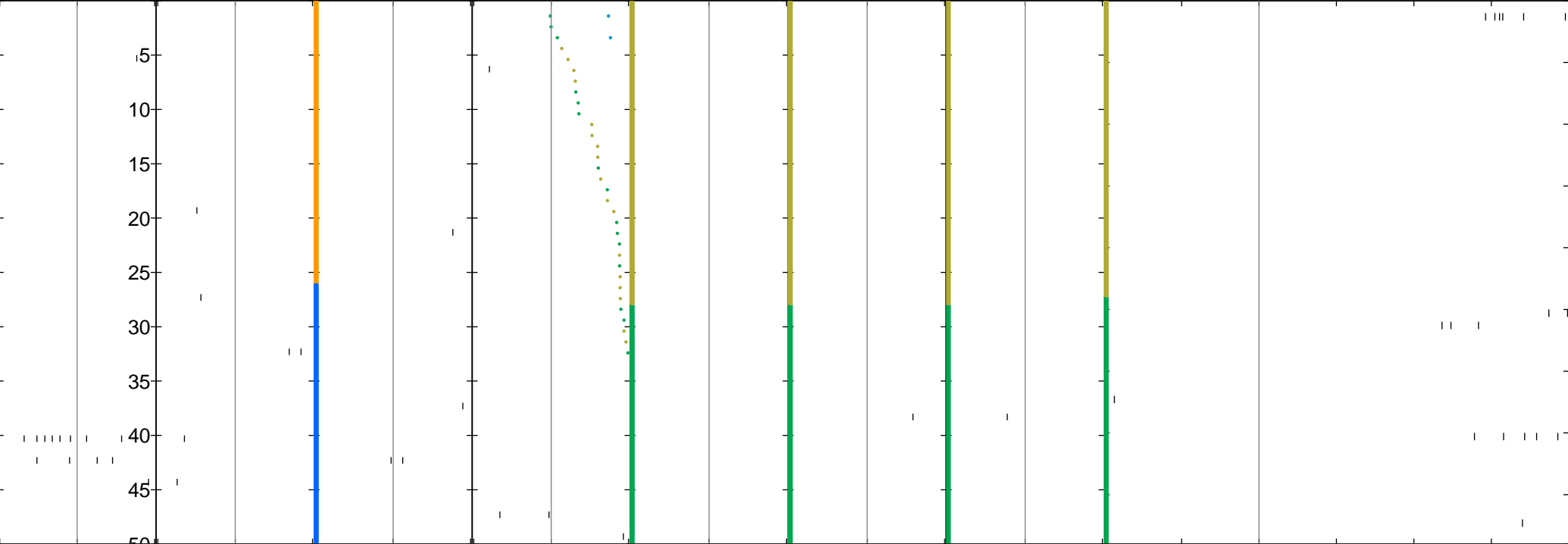
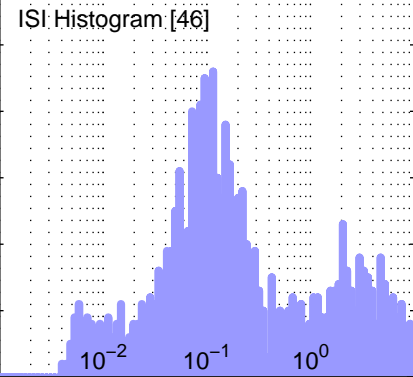
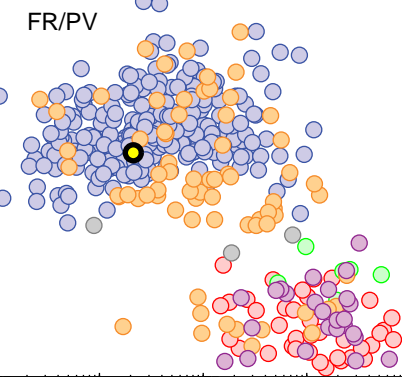
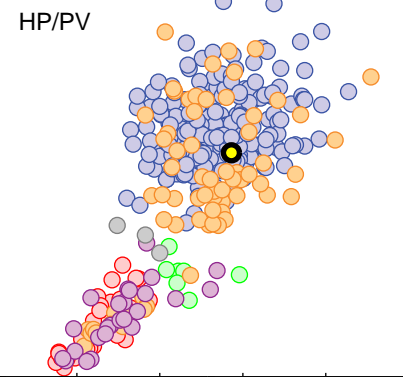
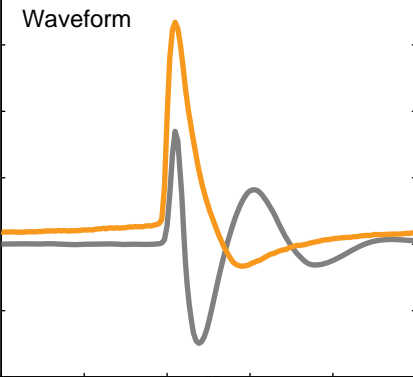
ISI Histogram [67]



Cell: C1220071115T03b

AP: 3.2 ML: 2.6 DV: 2.5
w: 4 n: 1372 $P_{ISI>2}$: 0.96
1/2pw: 286 μ s p->v: 803 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.213 Hz
Pk Ev: None
Pk FR: --

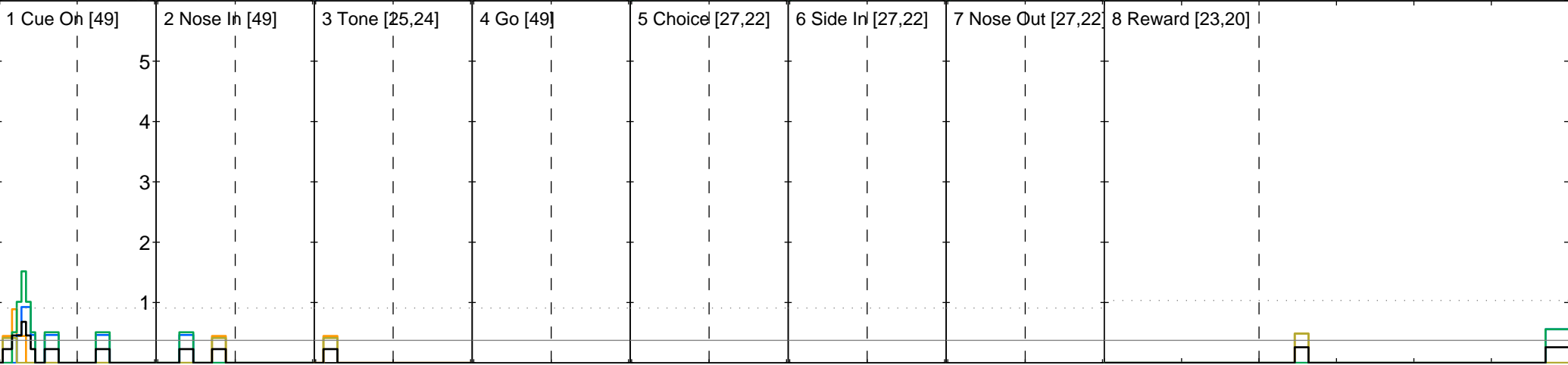
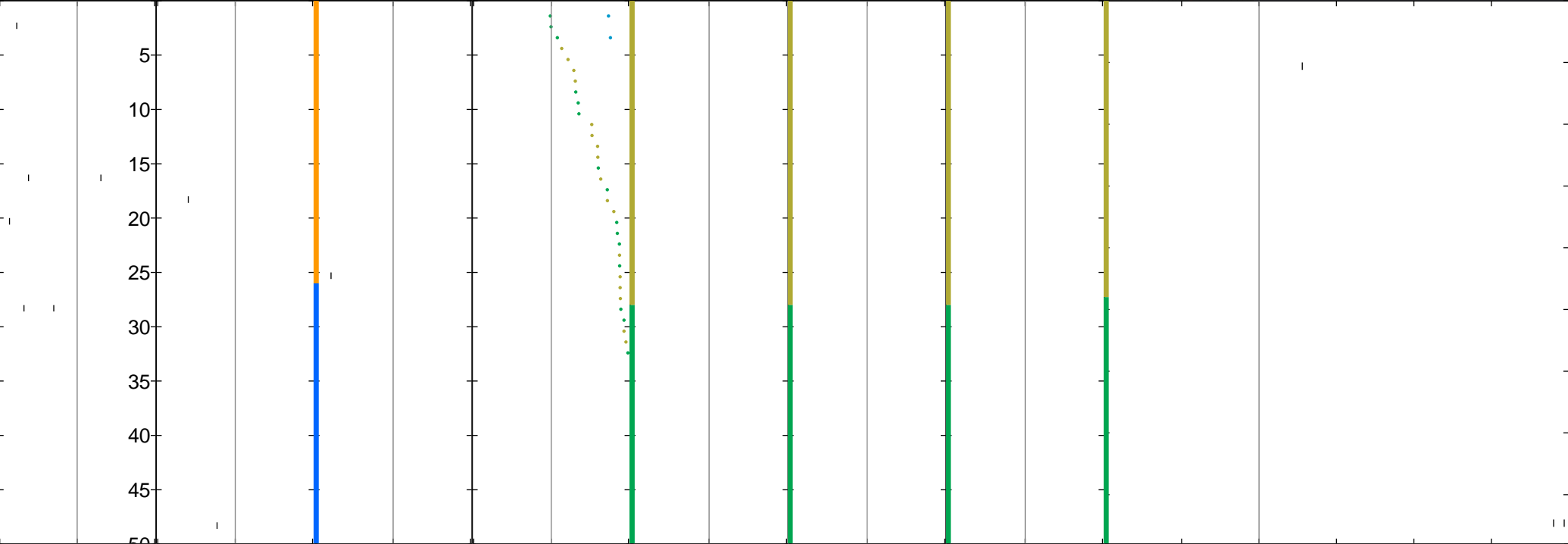
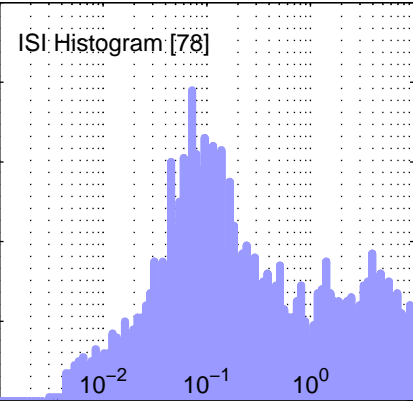
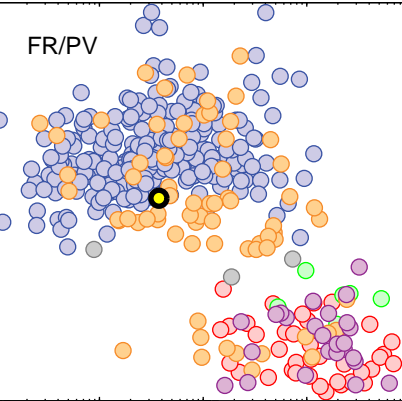
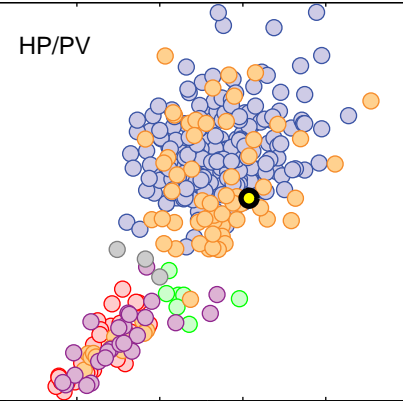
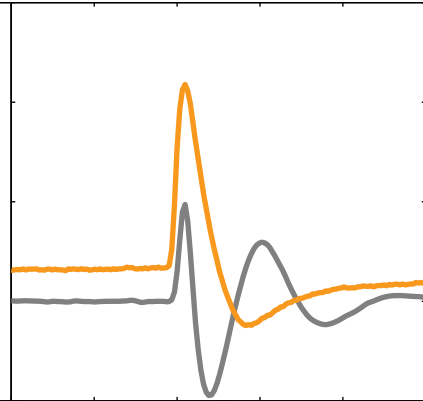
M1_p



Cell: C1220071115T03d

AP: 3.2 ML: 2.6 DV: 2.5
w: 4 n: 2635 $P_{ISI>2}$: 0.91
1/2pw: 307 μ s p->v: 736 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.374 Hz
Pk Ev: None
Pk FR: --

M1_p



Cell: C1220071027T03b

AP: 3.2 ML: 2.6 DV: 2.2

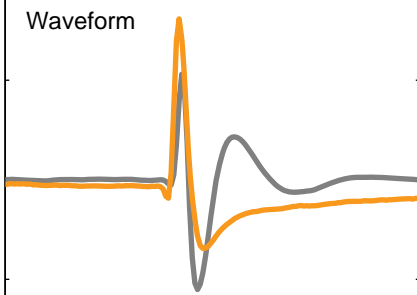
w: 1 n: 58182 $P_{ISI>2}$: 0.0571/2pw: 146 μ s p->v: 301 μ s β_T : 4.5 β_D : -5.6 β_P : -2.8 SI: 0.42

Session FR: 9.7 Hz

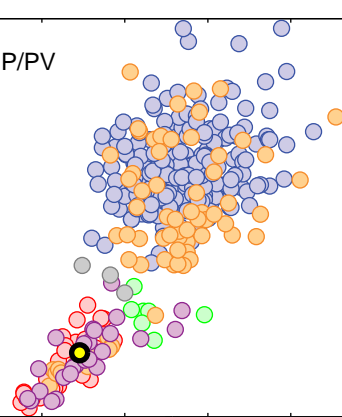
Pk Ev: 1 - Cue on (Contra)

Pk FR: 14.5Hz (-0.68s) **M1_I**

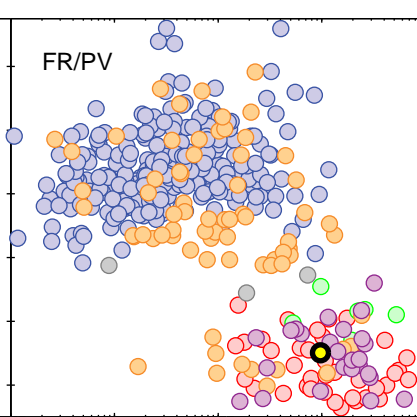
Waveform



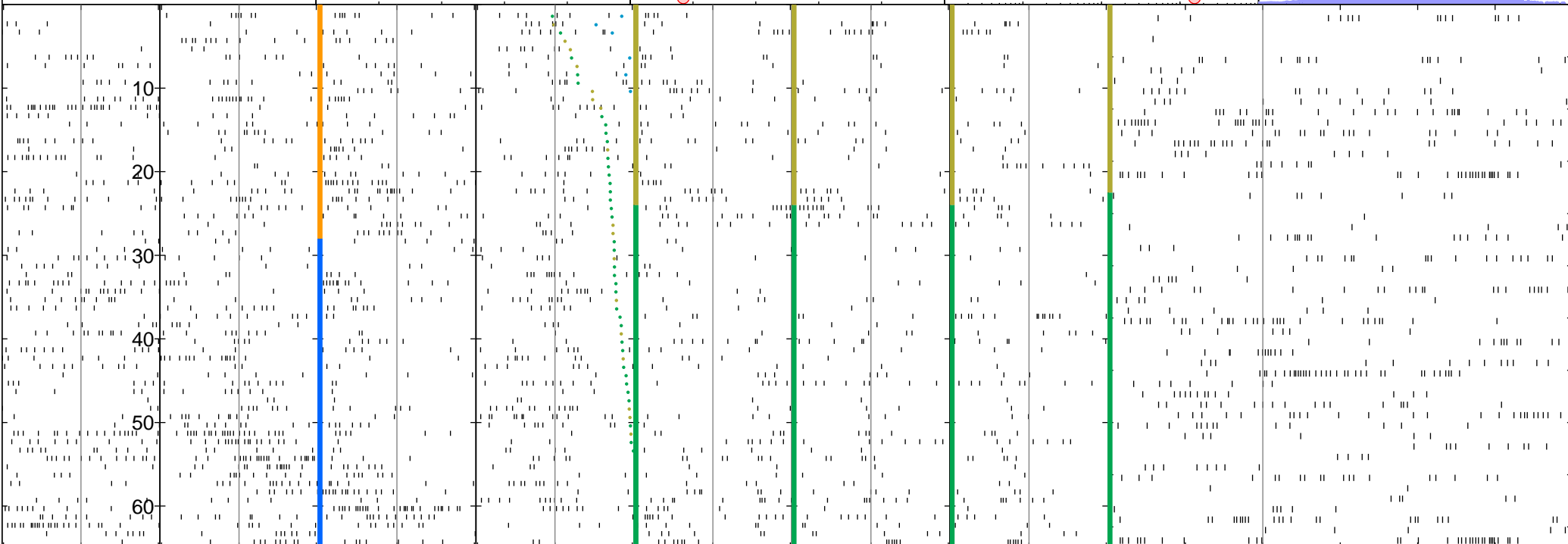
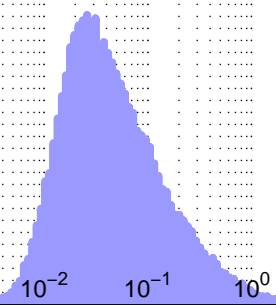
HP/PV



FR/PV



ISI Histogram [2184]



1 Cue On [64]

2 Nose In [64]

3 Tone [27,37]

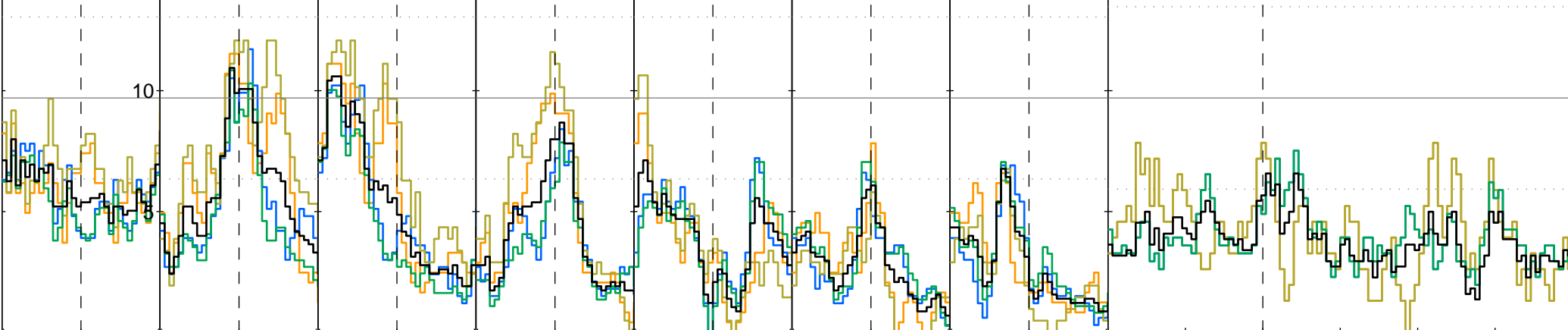
4 Go [64]

5 Choice [23,41]

6 Side In [23,41]

7 Nose Out [23,41]

8 Reward [17,34]



Cell: C1220071114T02a

AP: 3.7 ML: 3.5 DV: 2.1

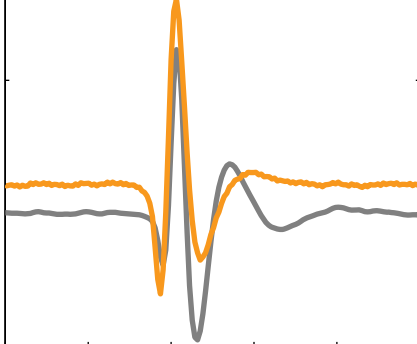
w: 3 n: 5801 $P_{ISI>2}$: 0.571/2pw: 165 μ s p->v: 299 μ s β_T : 0.7 β_D : -0.58 β_P : 1.3 SI: NaN

Session FR: 0.951 Hz

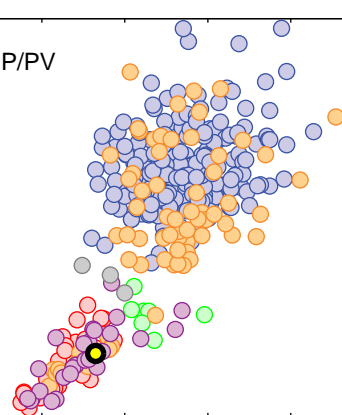
Pk Ev: 2 - Nose in (Ipsi)

Pk FR: 5.85Hz (1.02s) **M1_I**

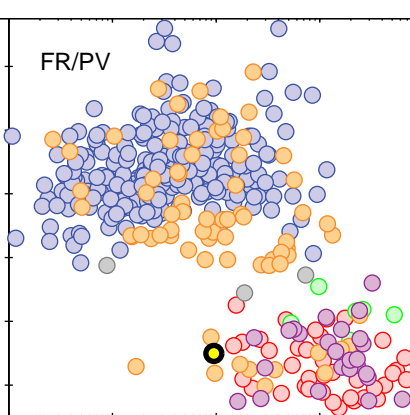
Waveform



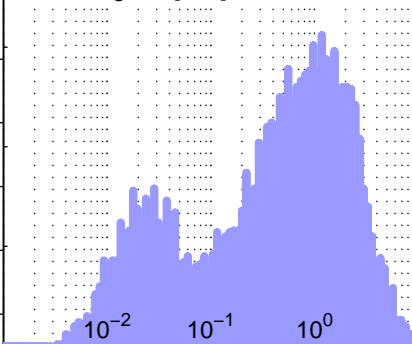
HP/PV



FR/PV



ISI Histogram [156]



10

20

30

40

50

60

70

80

1 Cue On [80]

2 Nose In [80]

3 Tone [43,37]

4 Go [80]

5 Choice [42,38]

6 Side In [42,38]

7 Nose Out [42,38]

8 Reward [39,34]

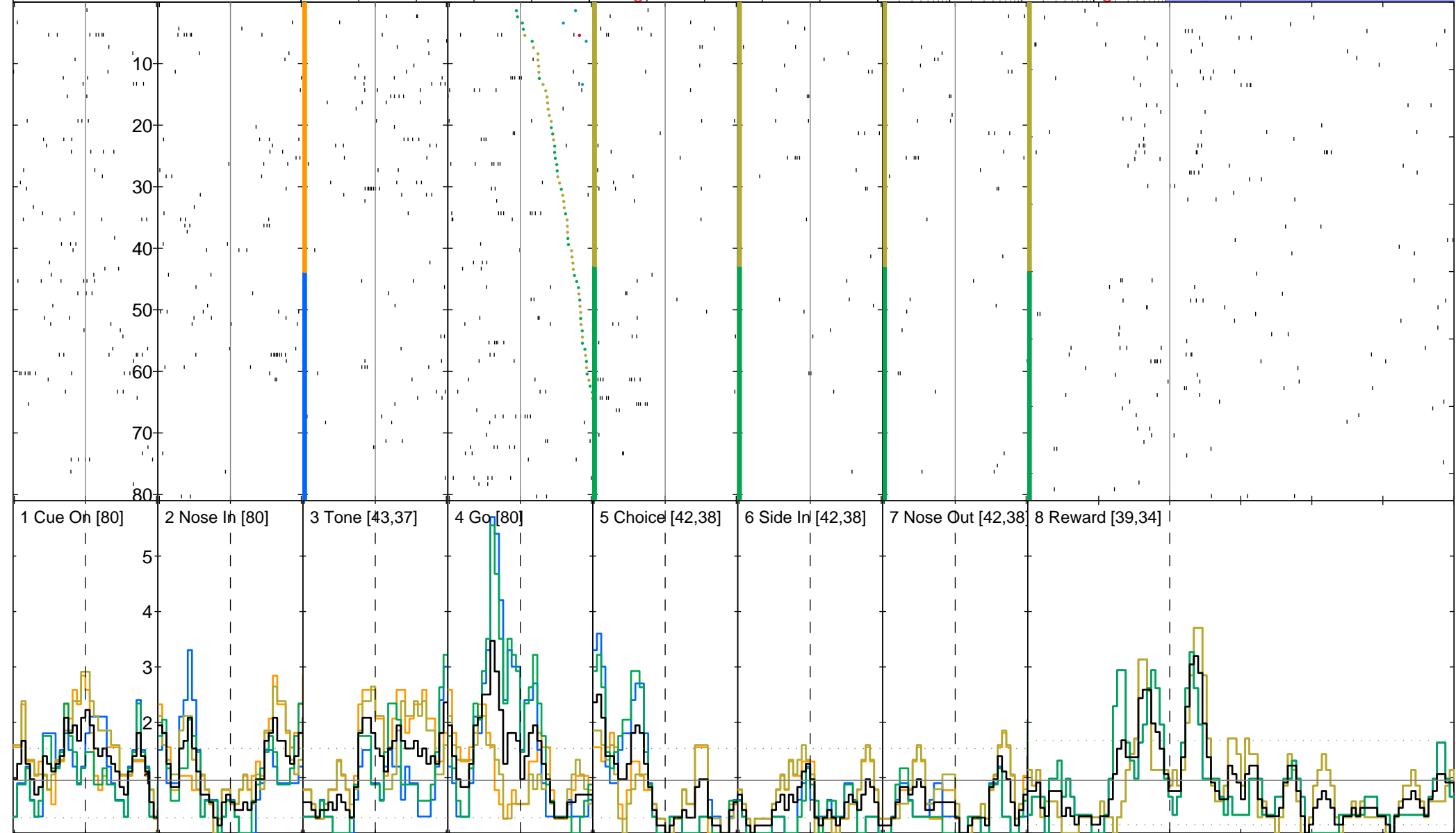
5

4

3

2

1



Cell: C1220071114T03c

AP: 3.2 ML: 2.6 DV: 2.4

w: 1 n: 148317 $P_{ISI>2}$: 0

1/2pw: 237 μ s p->v: 419 μ s

β_T : 1.6 β_D : 7

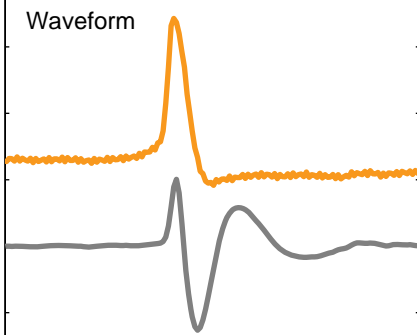
β_P : 3.1 SI: 0.42

Session FR: 24.3 Hz

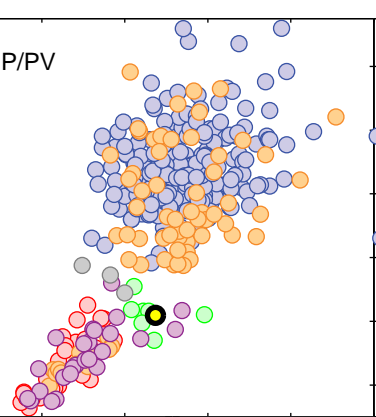
Pk Ev: 5 - Choice (Ipsi)

Pk FR: 53.8Hz (0.00s) **M1_I**

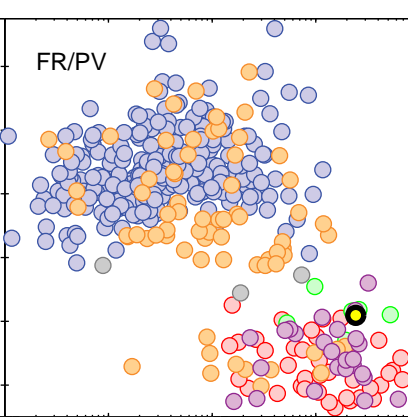
Waveform



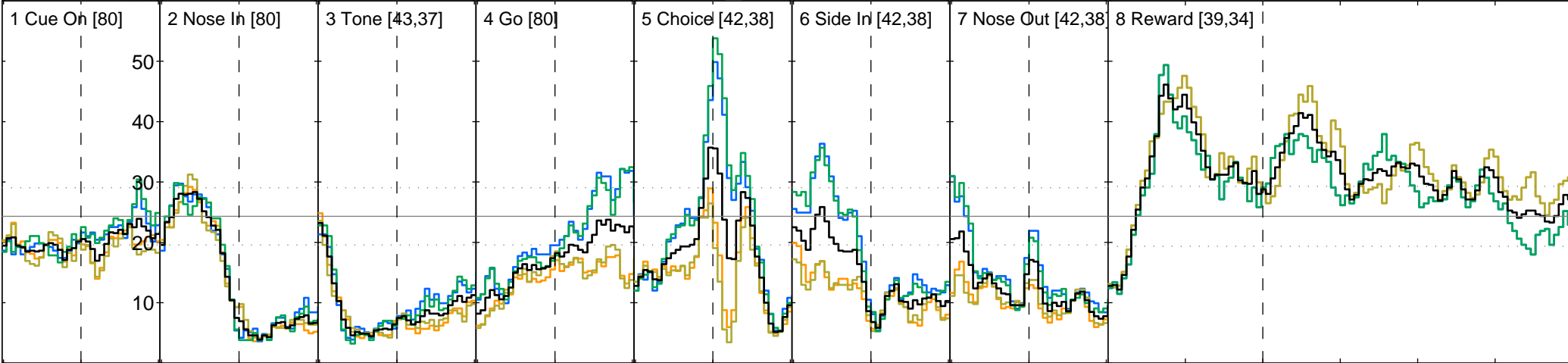
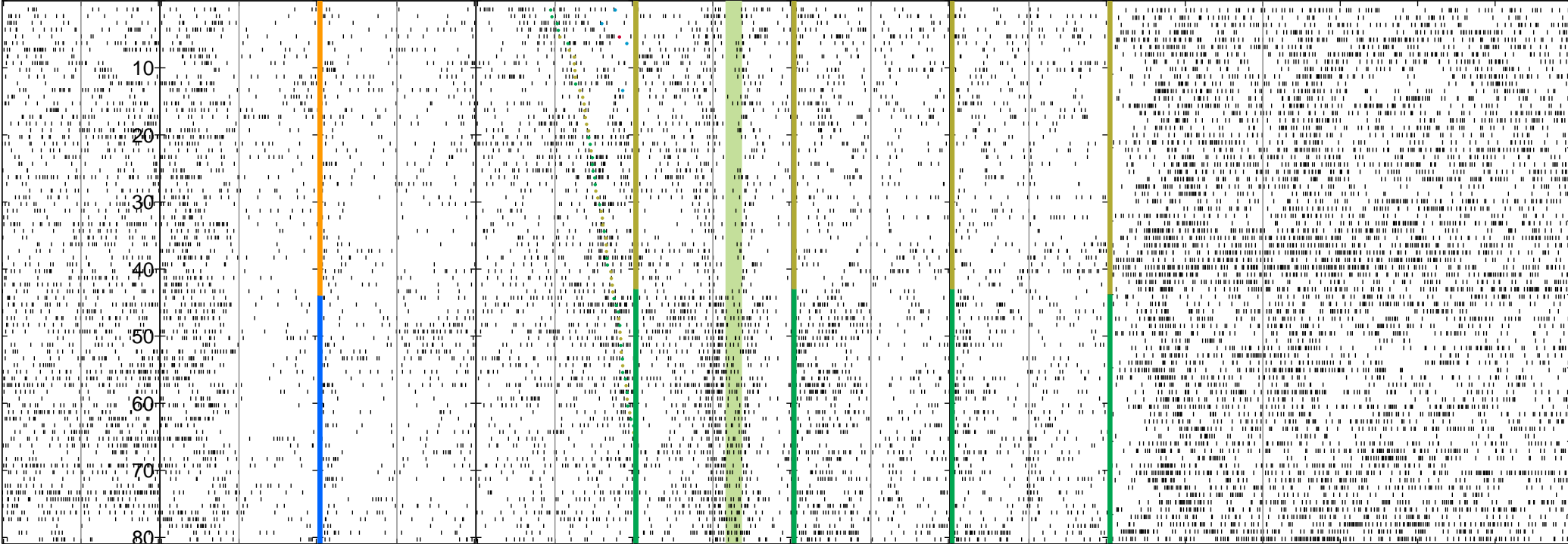
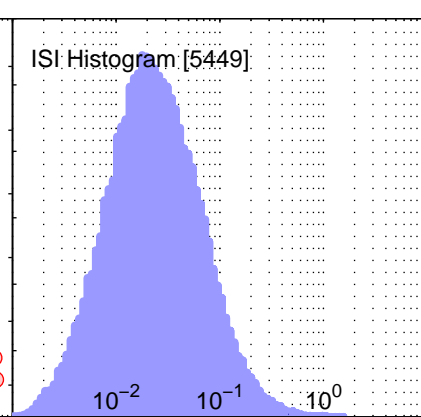
HP/PV



FR/PV



ISI Histogram [5449]



Cell: C1220071117T02a

AP: 3.7 ML: 3.5 DV: 2.5

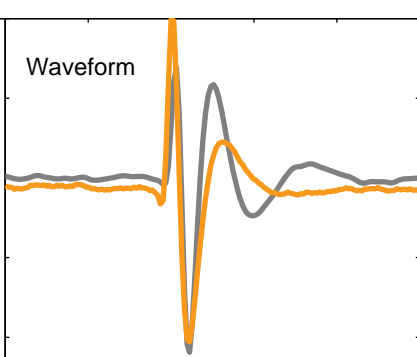
w: 3 n: 30399 $P_{ISI>2}$: 0.421/2pw: 109 μ s p \rightarrow v: 197 μ s β_T : 2.2 β_D : -4.2 β_P : -3.6 SI: -0.78

Session FR: 2.96 Hz

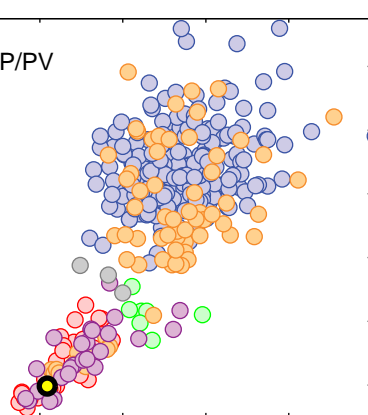
Pk Ev: 5 - Choice (Contra)

Pk FR: 14.3Hz (0.15s) **M1_I**

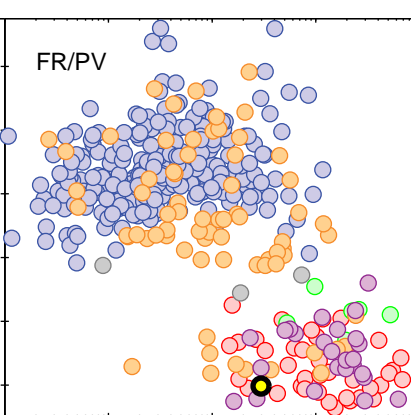
Waveform



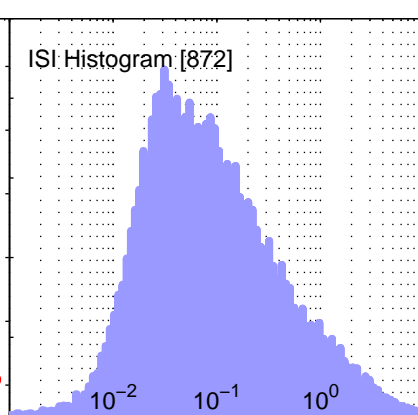
HP/PV



FR/PV



ISI Histogram [872]



10

20

30

40

50

60

70

80

90

1 Cue On [92]

2 Nose In [92]

3 Tone [50,42]

4 Go [92]

5 Choice [45,47]

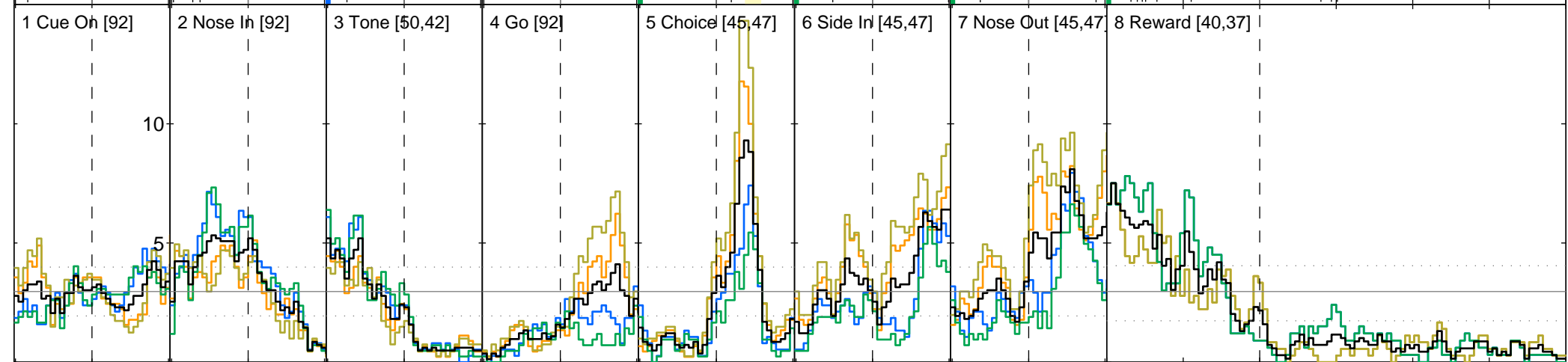
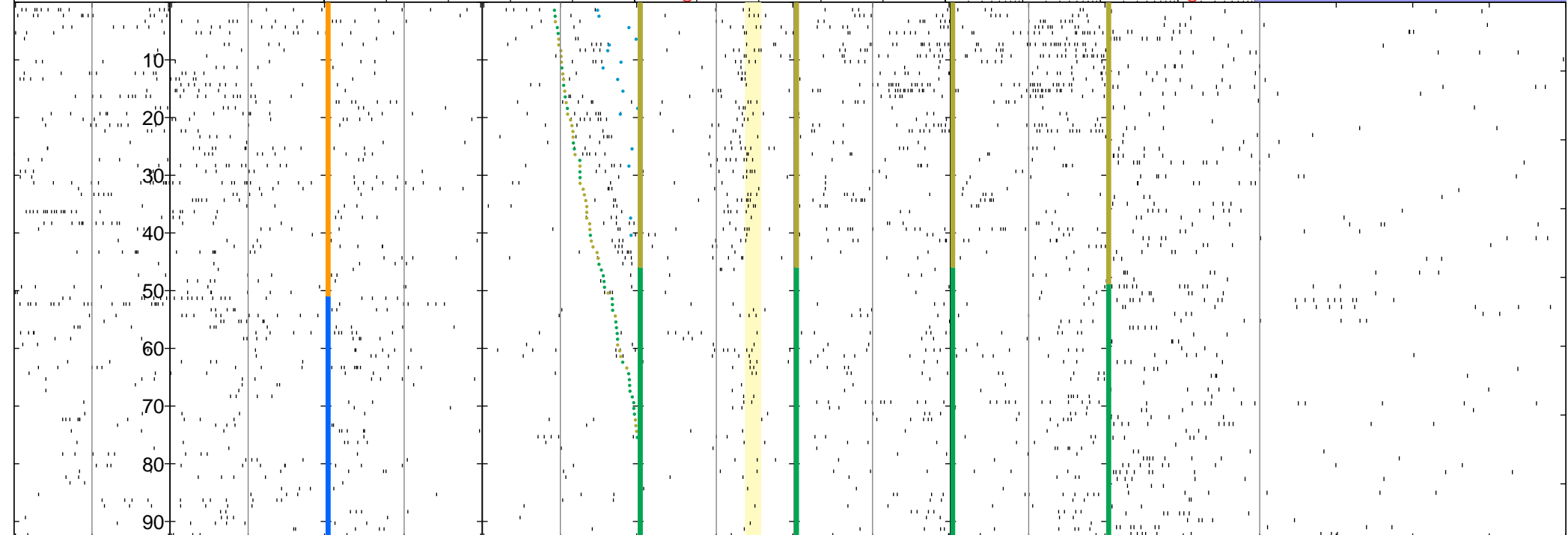
6 Side In [45,47]

7 Nose Out [45,47]

8 Reward [40,37]

10

5



Cell: C1220071115T03c

AP: 3.2 ML: 2.6 DV: 2.5

w: 2 n: 26032 $P_{ISI>2}$: 0.39

1/2pw: 114 μ s p \rightarrow v: 248 μ s

β_T : NaN β_D : NaN

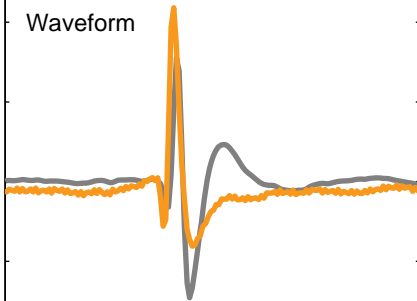
β_P : NaN SI: NaN

Session FR: 3.69 Hz

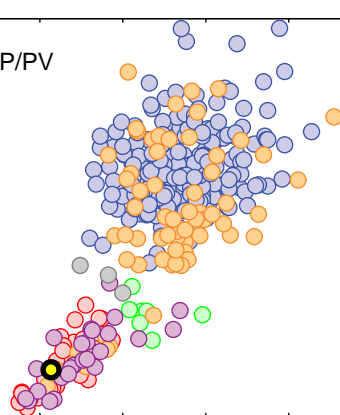
Pk Ev: 5 - Choice (Ipsi)

Pk FR: 5.56Hz (0.36s) **M1_I**

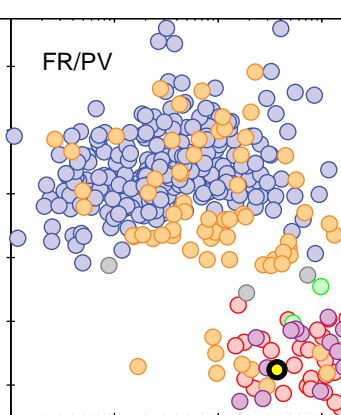
Waveform



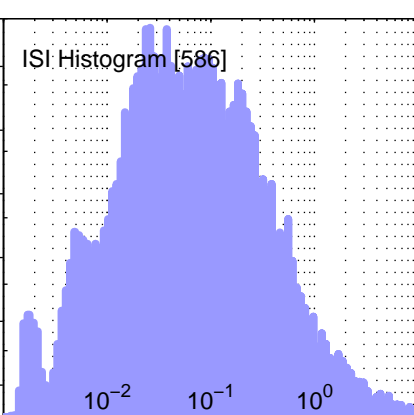
HP/PV



FR/PV



ISI Histogram [586]



5
10
15
20
25
30
35
40
45
50

1 Cue On [49]

2 Nose In [49]

3 Tone [25,24]

4 Go [49]

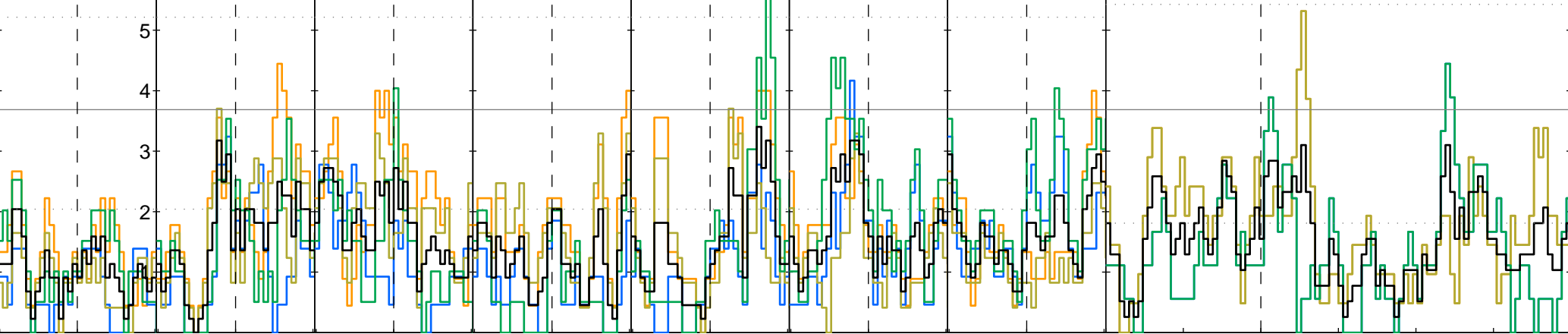
5 Choice [27,22]

6 Side In [27,22]

7 Nose Out [27,22]

8 Reward [23,20]

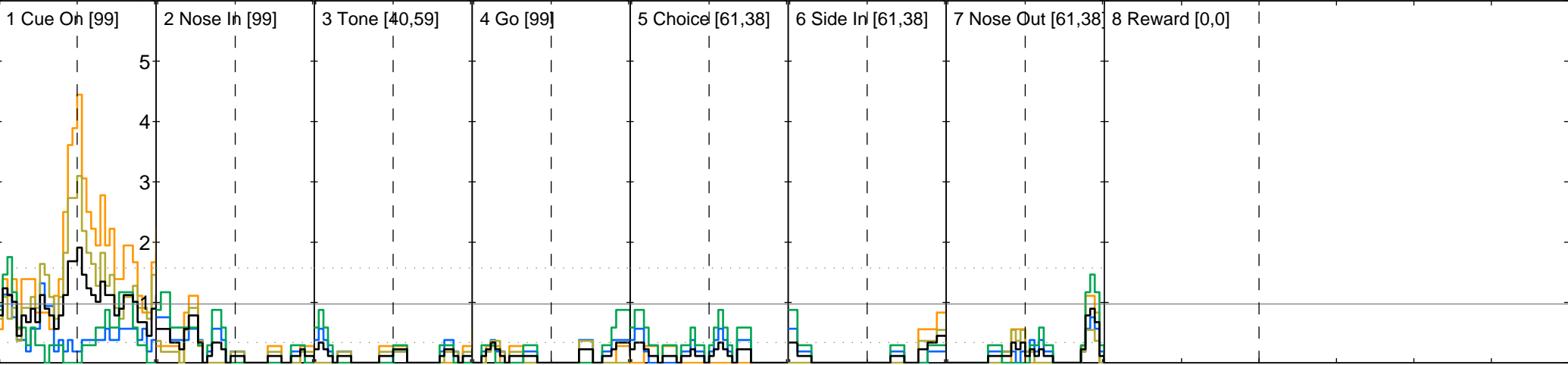
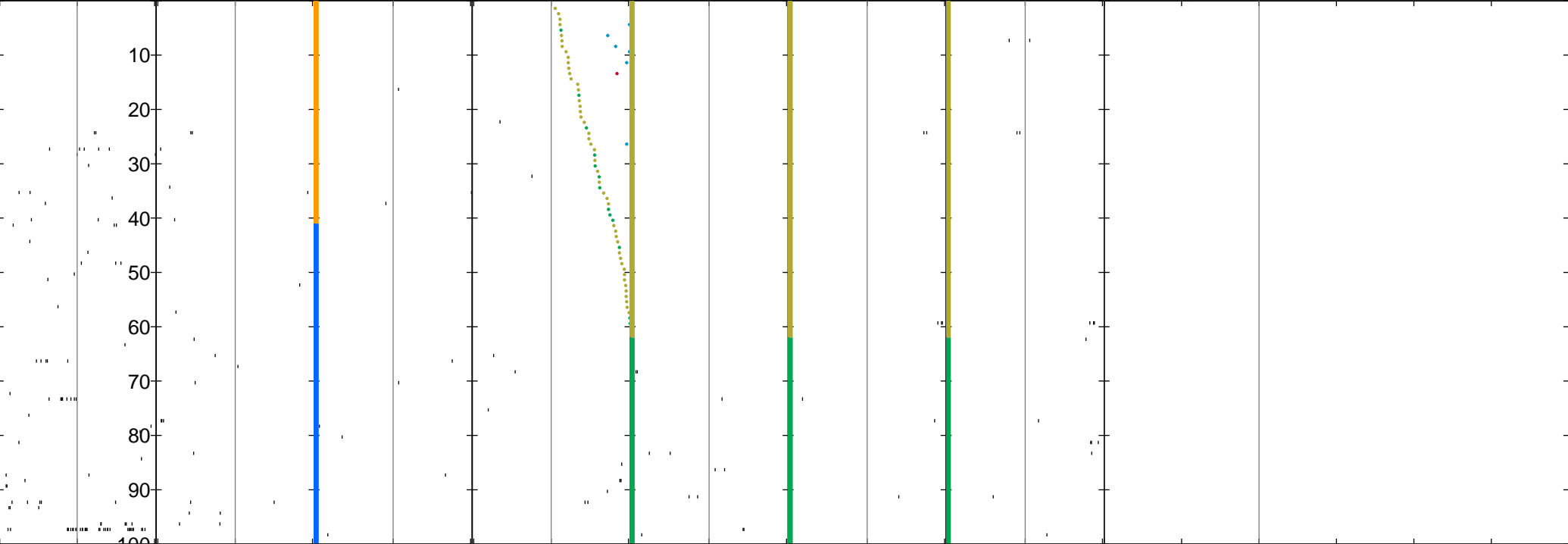
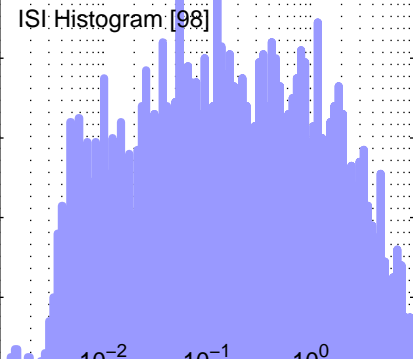
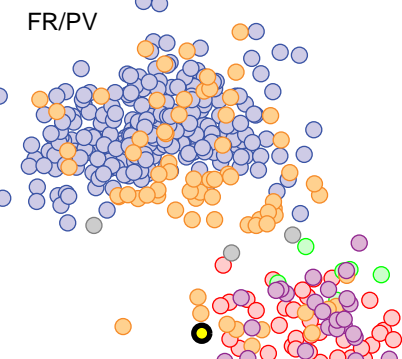
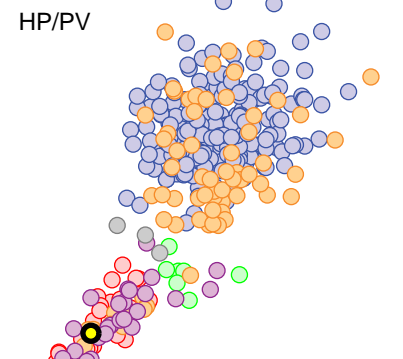
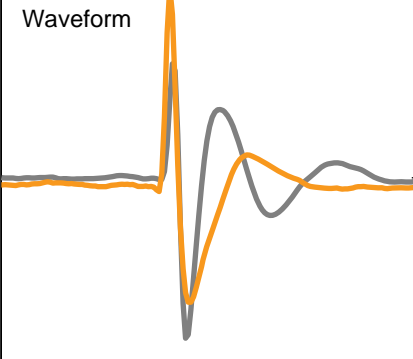
5
4
3
2



Cell: C0420070227T02b

AP: 3.7 ML: 2.8 DV: 3
w: 3 n: 5335 $P_{ISI>2}$: 0.73
1/2pw: 117 μ s p->v: 237 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.974 Hz
Pk Ev: None
Pk FR: --

M1_I



Cell: C1220071025T02a

AP: 3.7 ML: 3.5 DV: 1.8

w: 3 n: 14118 $P_{ISI>2}$: 0.38

1/2pw: 120 μ s p \rightarrow v: 250 μ s

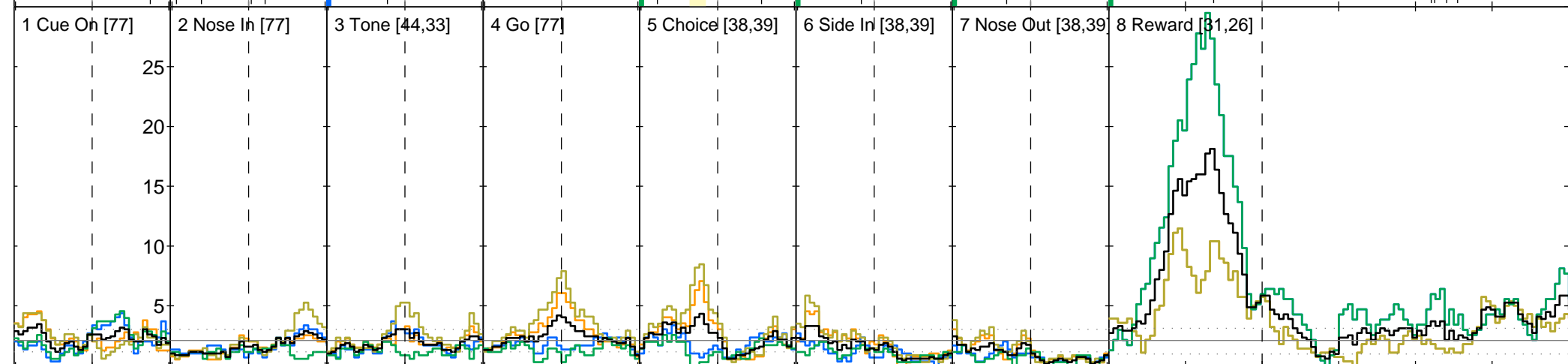
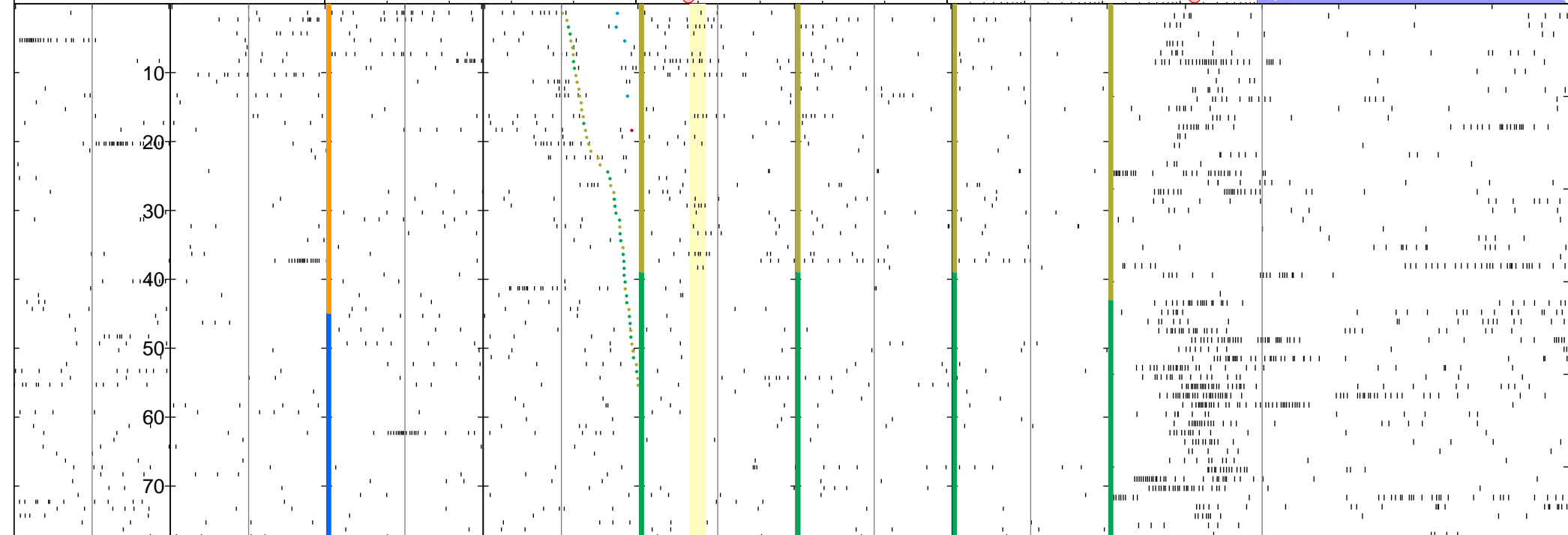
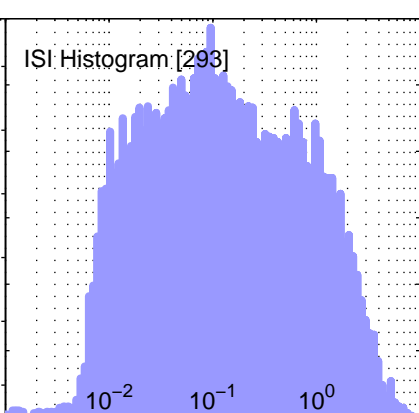
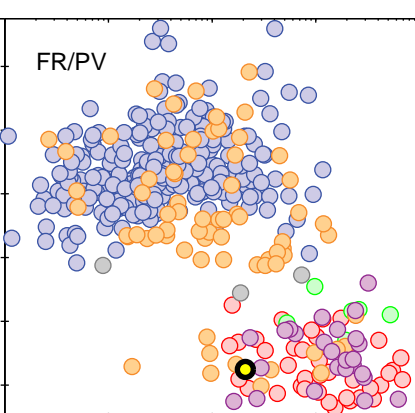
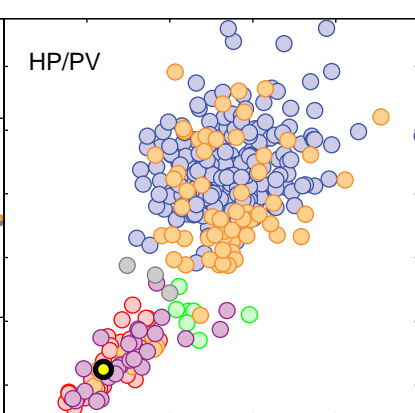
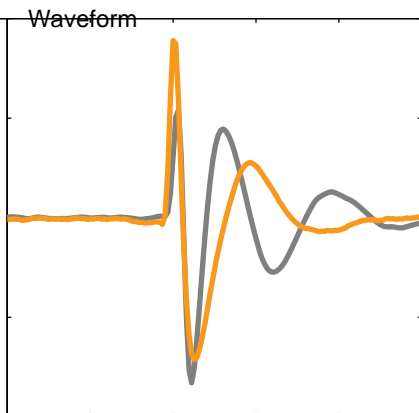
β_T : -1.8 β_D : -3.4

β_P : -2 SI: -0.74

Session FR: 2.09 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 29.5Hz (-0.37s) **M1_I**



Cell: C1220071115T02a

AP: 3.7 ML: 3.5 DV: 2.3

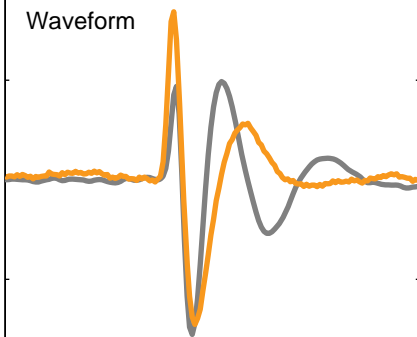
w: 3 n: 12000 $P_{ISI>2}$: 0.351/2pw: 141 μ s p->v: 266 μ s β_T : 2.2 β_D : 2.1 β_P : 2.4 SI: 0.39

Session FR: 1.7 Hz

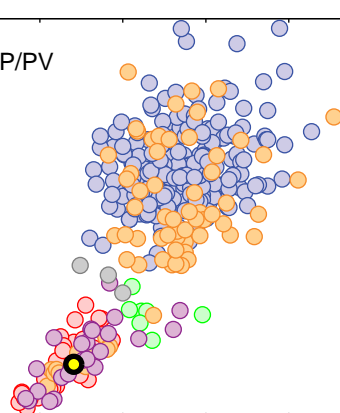
Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 17.2Hz (-0.31s) **M1_I**

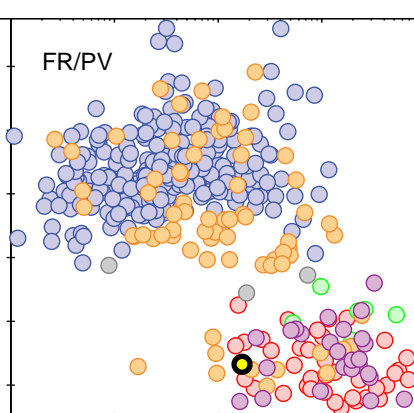
Waveform



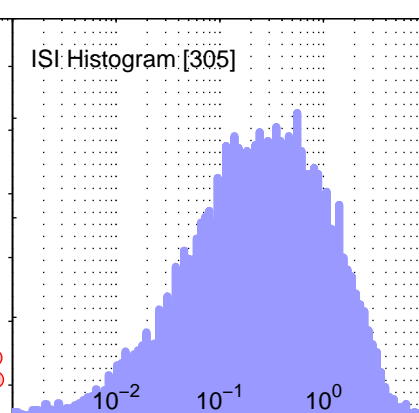
HP/PV



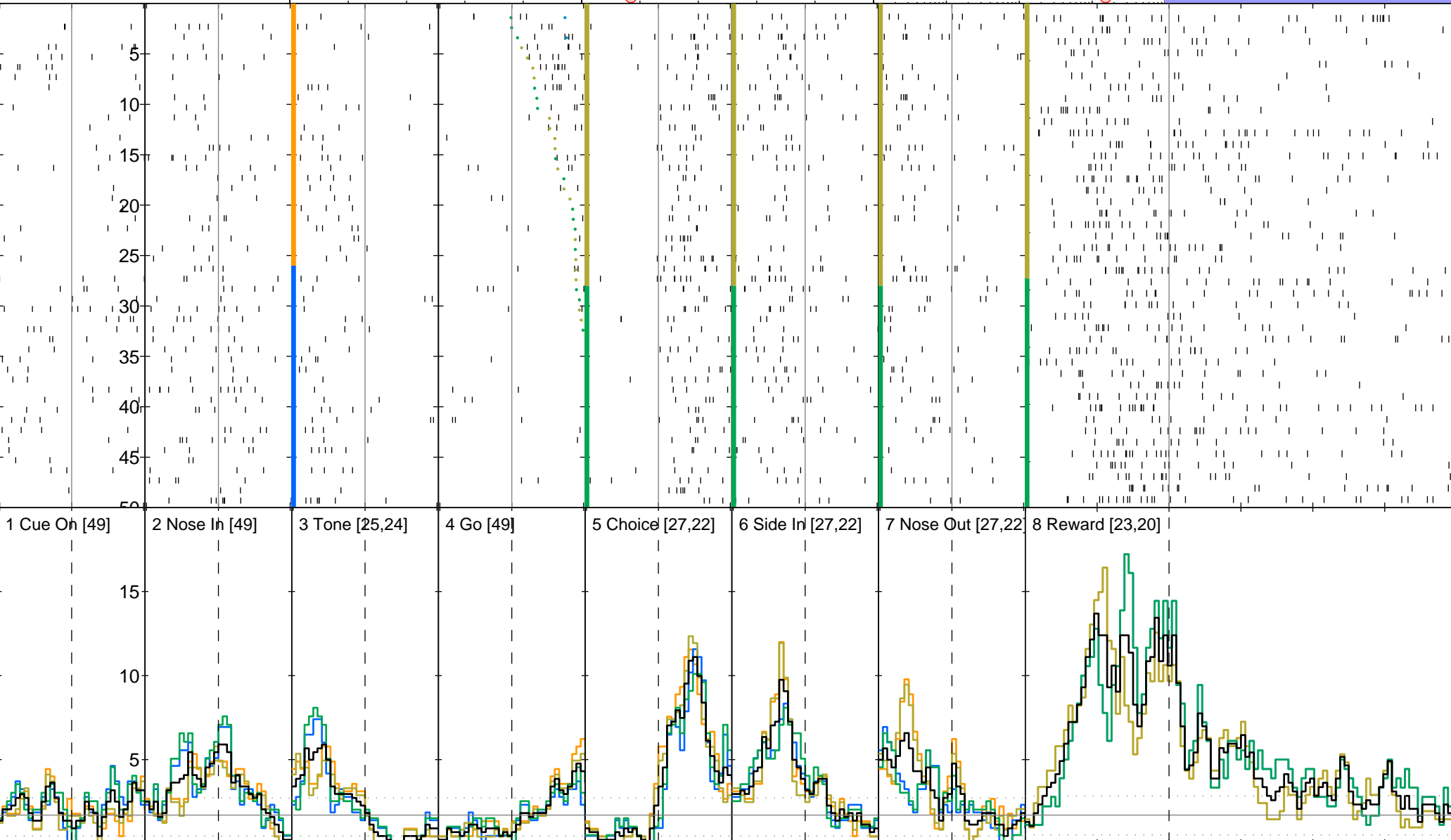
FR/PV



ISI Histogram [305]

5
10
15
20
25
30
35
40
45
50

1 Cue On [49] 2 Nose In [49] 3 Tone [25,24] 4 Go [49] 5 Choice [27,22] 6 Side In [27,22] 7 Nose Out [27,22] 8 Reward [23,20]

15
10
5

Cell: C1220071025R01a

AP: 3.2 ML: 2.6 DV: 2.4

w: 1 n: 1780 $P_{ISI>2}$: 0.63

1/2pw: 179 μ s p->v: 350 μ s

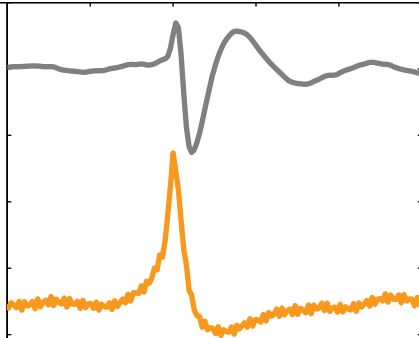
β_T : NaN β_D : NaN

β_P : NaN SI: NaN

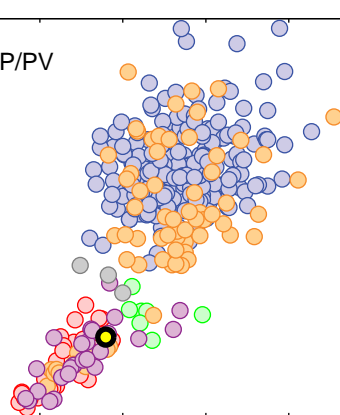
Session FR: 0.89 Hz

Pk Ev: 8 - Reward (T1/Con)

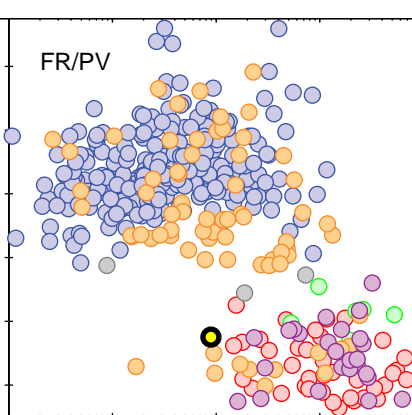
Pk FR: 5.23Hz (-0.1s) **M1_I**



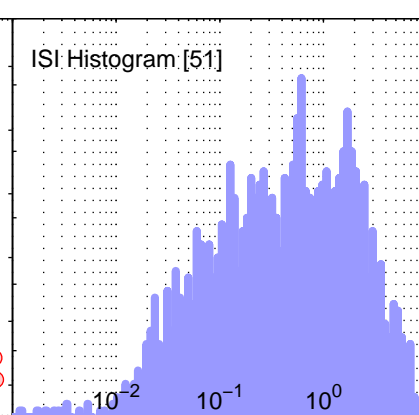
HP/PV



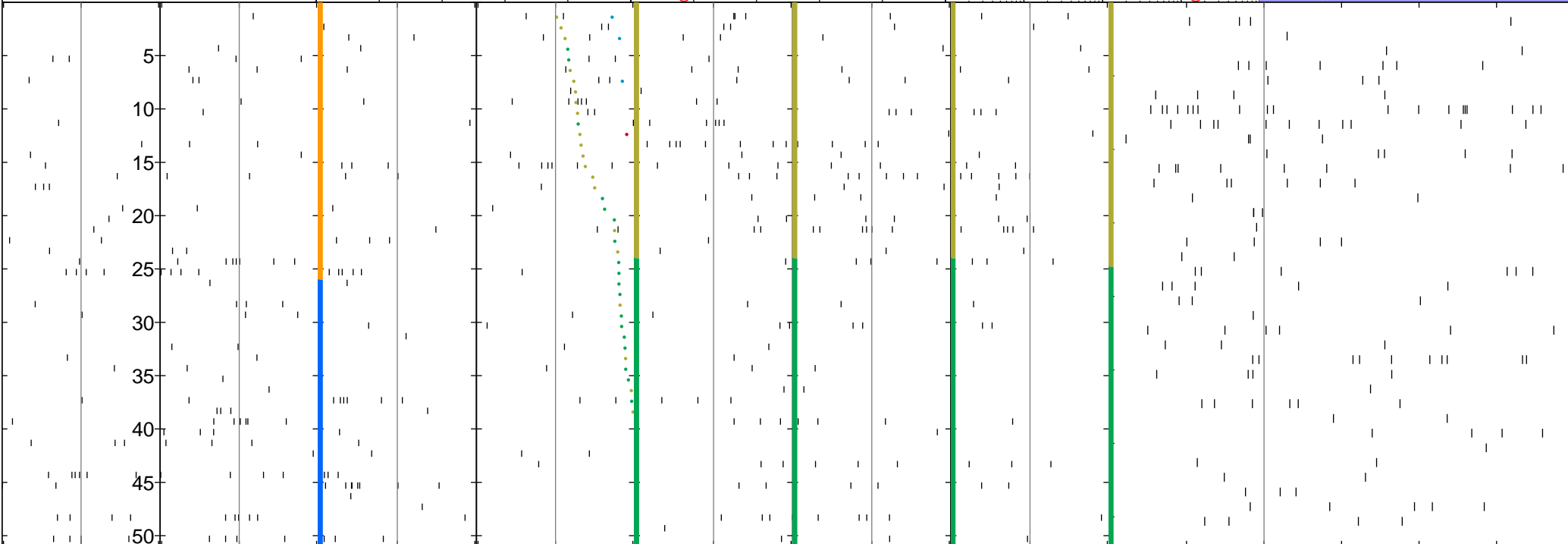
FR/PV



ISI Histogram [51]



5
10
15
20
25
30
35
40
45
50



1 Cue On [50]

2 Nose In [50]

3 Tone [25,25]

4 Go [50]

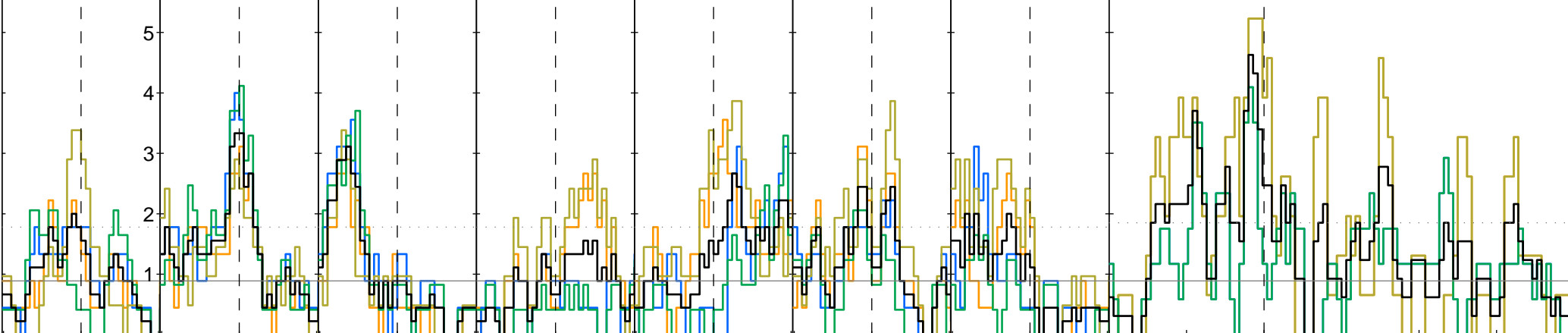
5 Choice [23,27]

6 Side In [23,27]

7 Nose Out [23,27]

8 Reward [17,19]

5
4
3
2
1



Cell: C1220071114T02b

AP: 3.7 ML: 3.5 DV: 2.1

w: 3 n: 69181 $P_{ISI>2}$: 0.0013

1/2pw: 123 μ s p \rightarrow v: 238 μ s

β_T : 2.7 β_D : 3.7

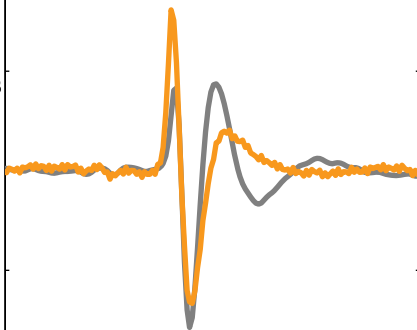
β_P : 2.7 SI: 0.31

Session FR: 11.3 Hz

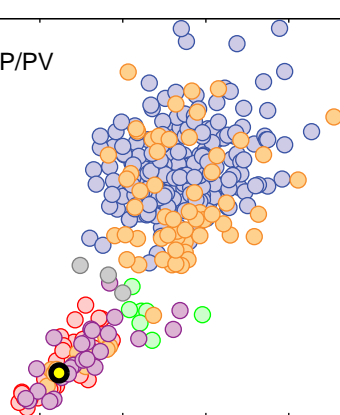
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 26.2Hz (-0.07s) **M1_I**

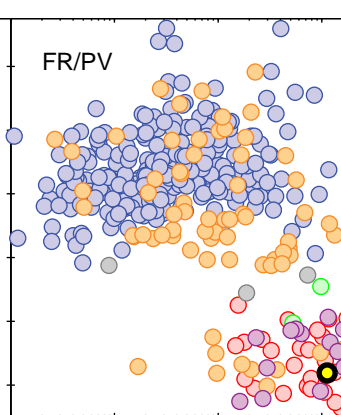
Waveform



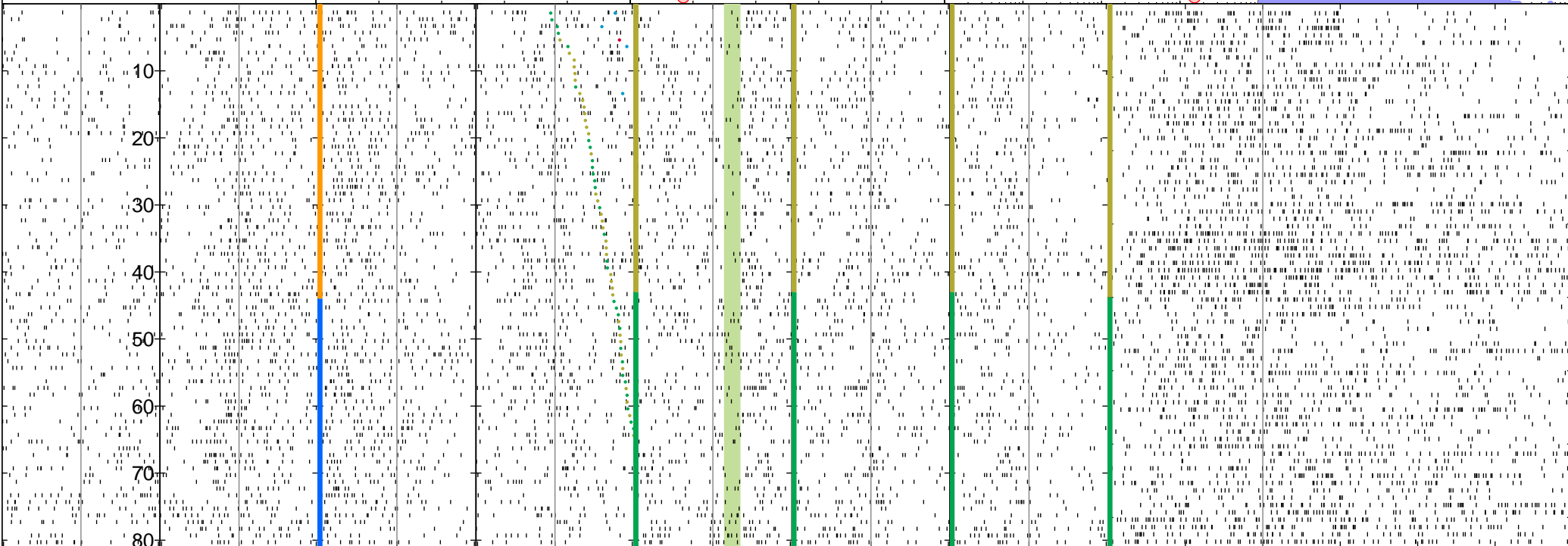
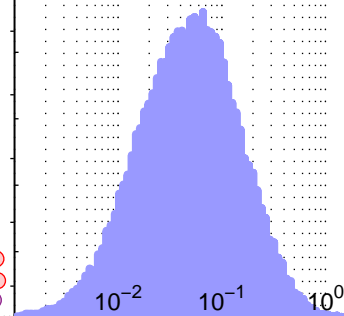
HP/PV



FR/PV



ISI Histogram [2303]



1 Cue On [80]

2 Nose In [80]

3 Tone [43,37]

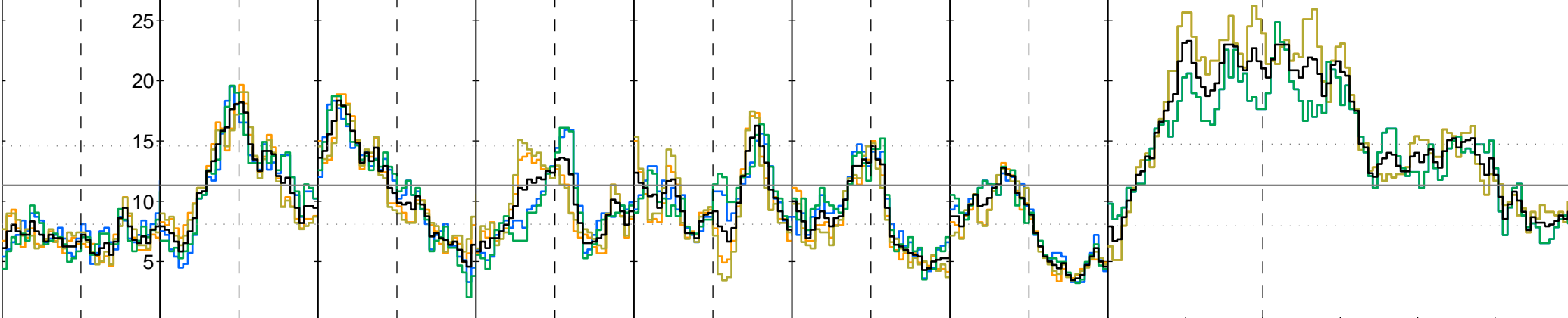
4 Go [80]

5 Choice [42,38]

6 Side In [42,38]

7 Nose Out [42,38]

8 Reward [39,34]



Cell: C1220071114T03a

AP: 3.2 ML: 2.6 DV: 2.4

w: 4 n: 116832 $P_{ISI>2}$: 0.002

1/2pw: 184 μ s p->v: 322 μ s

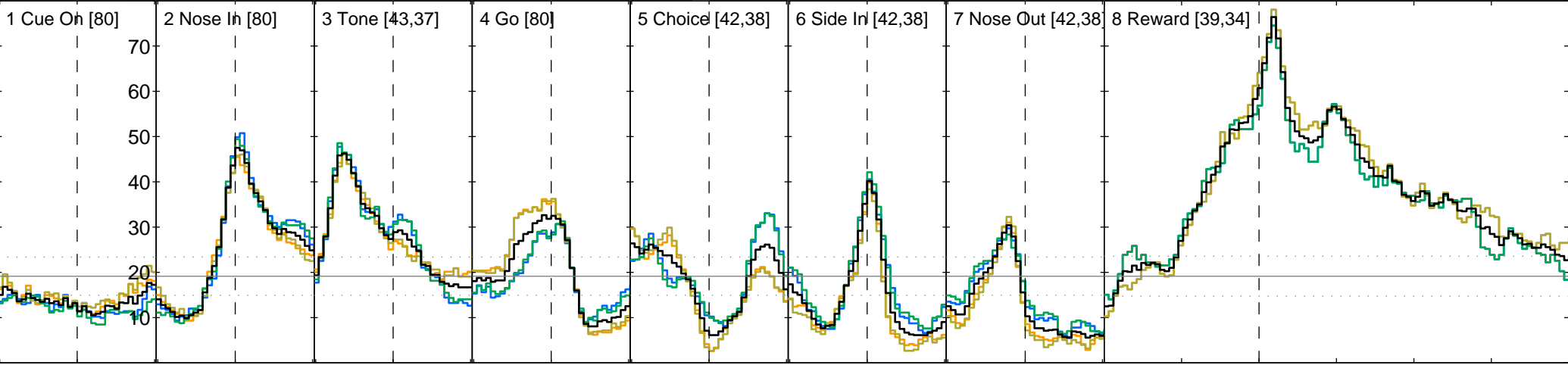
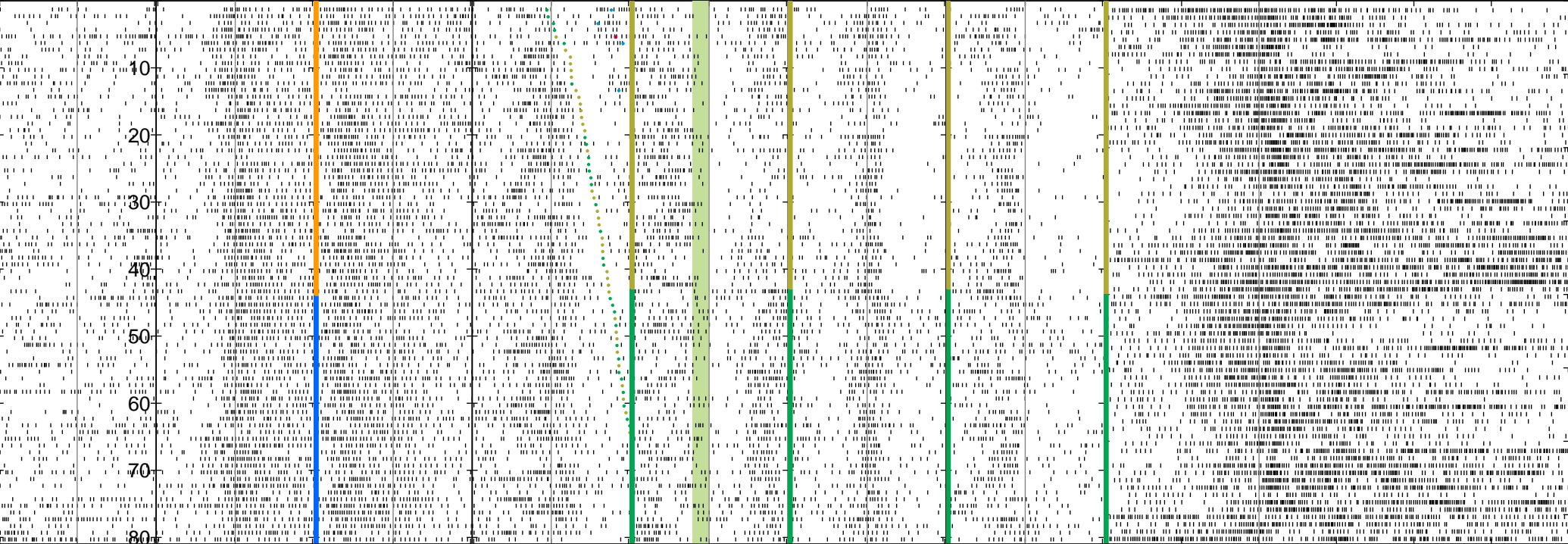
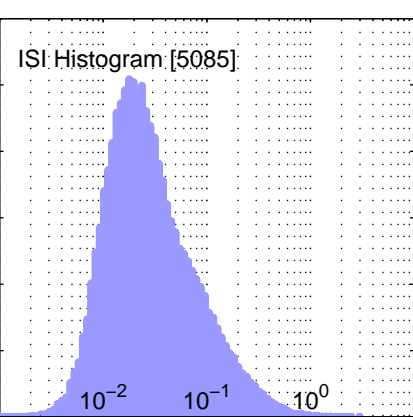
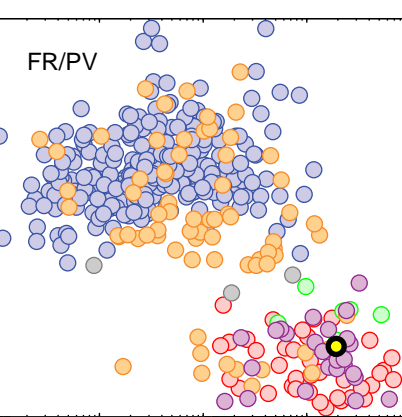
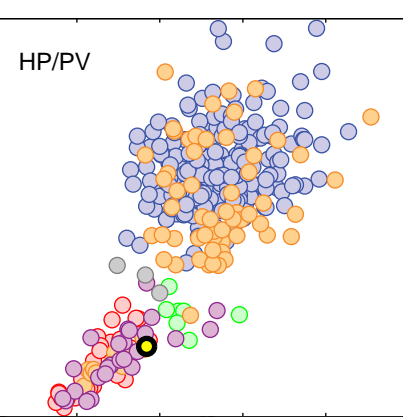
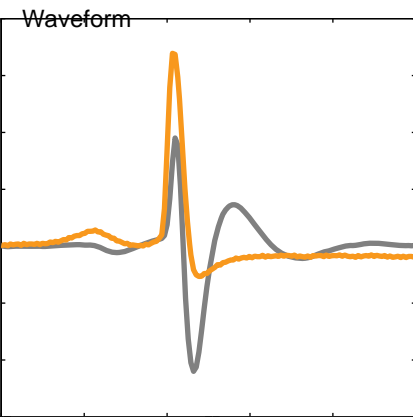
β_T : -2.5 β_D : 2.7

β_P : -3 SI: 0.62

Session FR: 19.2 Hz

Pk Ev: 8 - Reward (T1/Con)

Pk FR: 78.1Hz (0.08s) M1_I



Cell: C1220071028T03d

AP: 3.2 ML: 2.6 DV: 2.3

w: 4 n: 97014 $P_{ISI>2}$: 0.0048

1/2pw: 181 μ s p \rightarrow v: 312 μ s

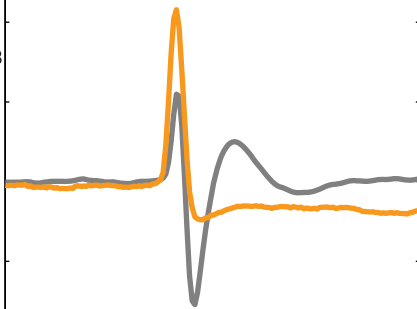
β_T : -2.9 β_D : 4.5

β_P : 2.8 SI: -0.42

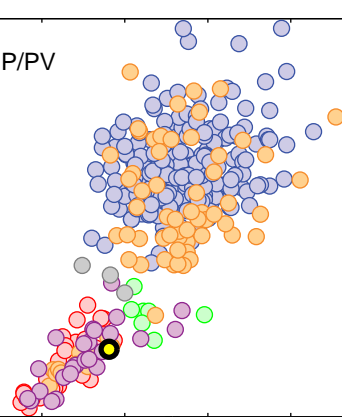
Session FR: 16.2 Hz

Pk Ev: 8 - Reward (T1/Con)

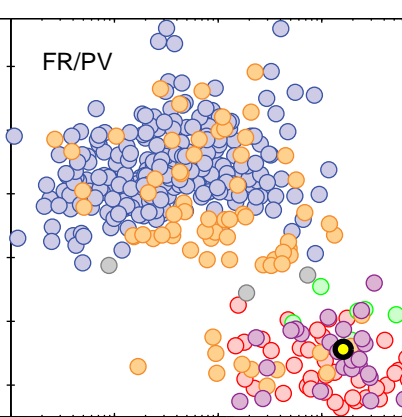
Pk FR: 60.1Hz (0.11s) **M1_I**



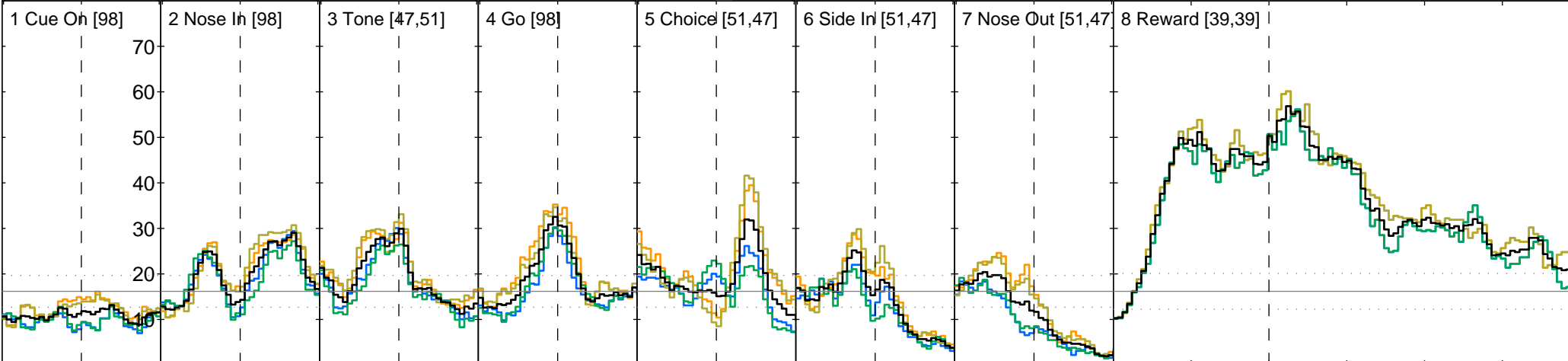
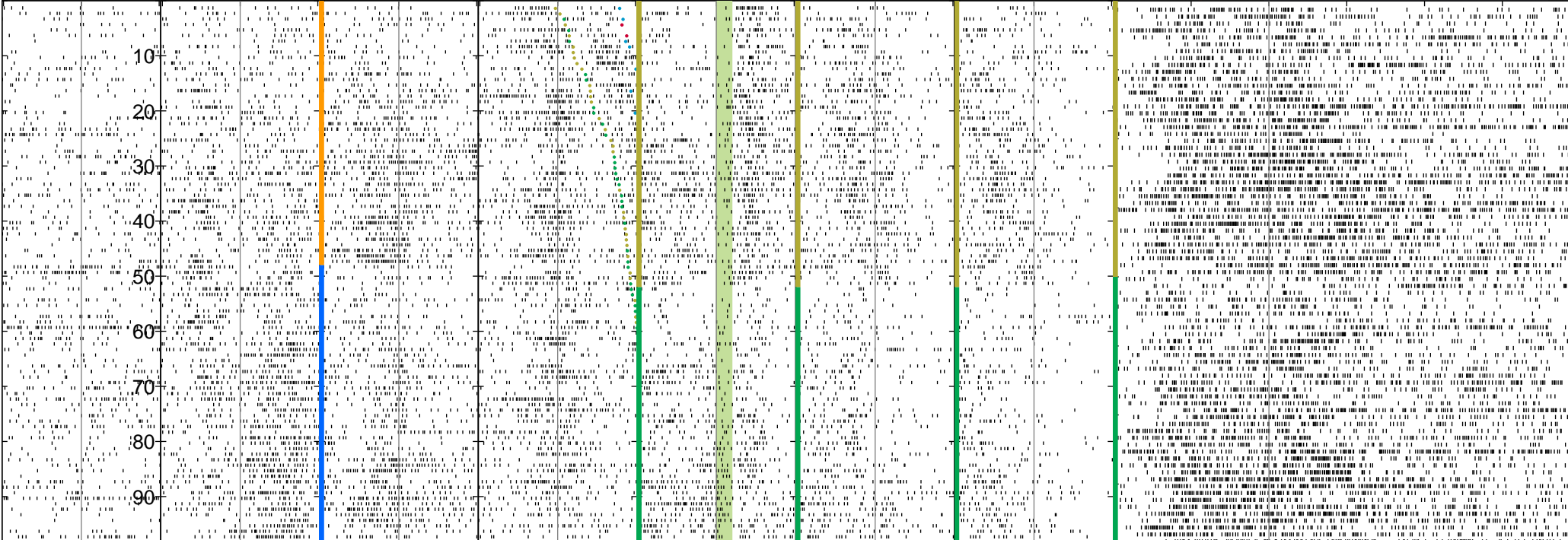
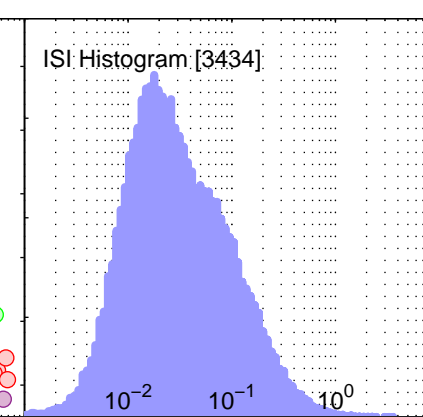
HP/PV



FR/PV



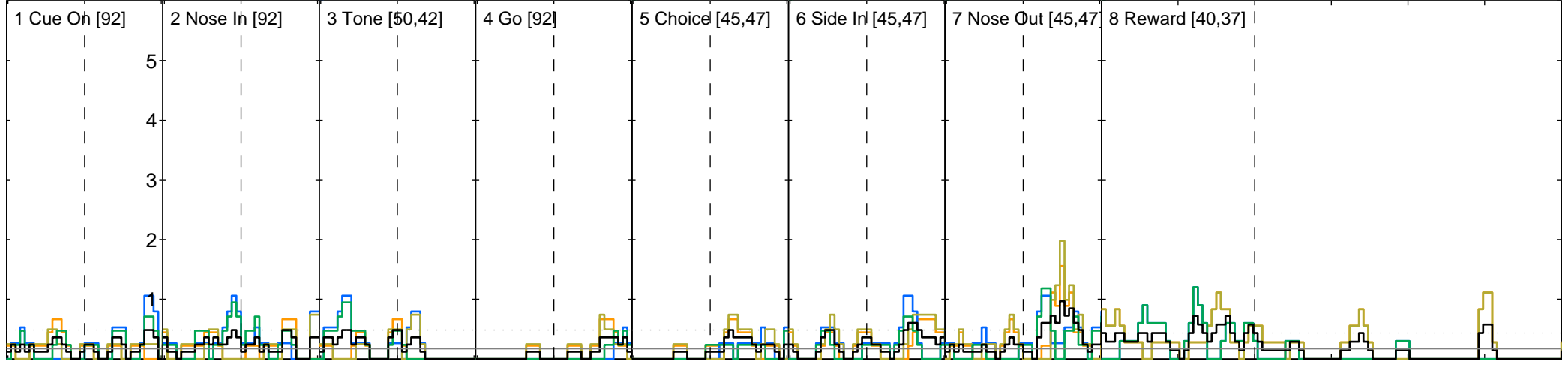
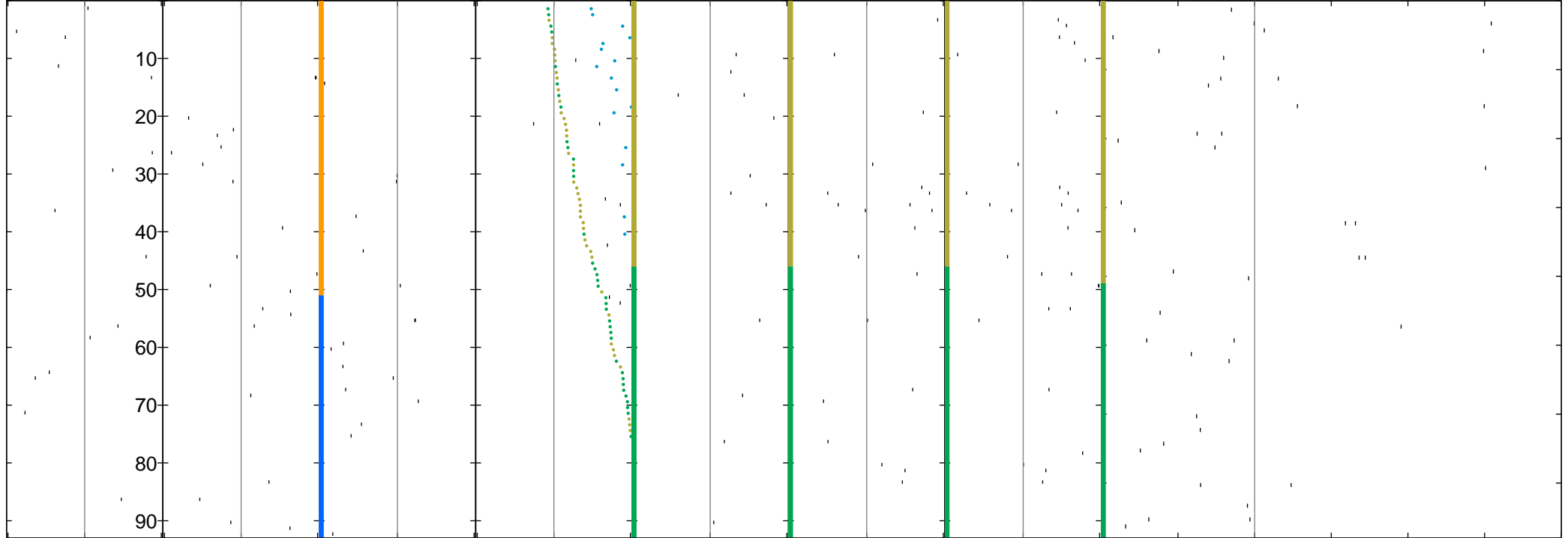
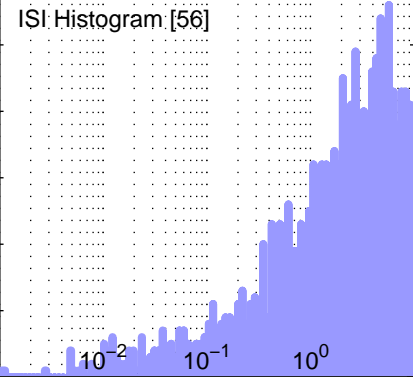
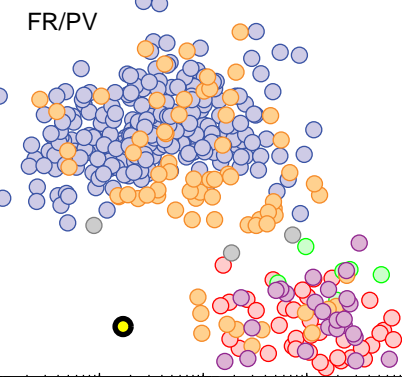
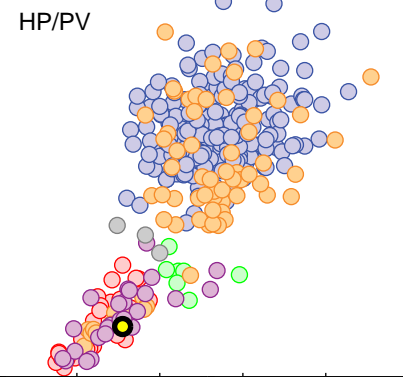
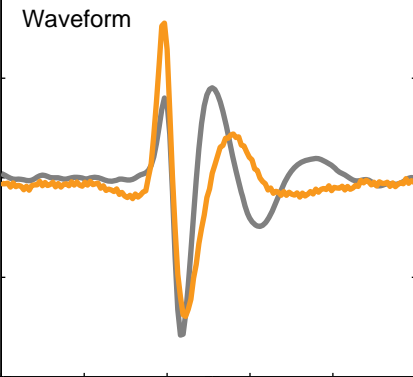
ISI Histogram [3434]



Cell: C1220071117T02b

AP: 3.7 ML: 3.5 DV: 2.5
w: 3 n: 1735 $P_{ISI>2}$: 0.95
1/2pw: 155 μ s p->v: 258 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.169 Hz
Pk Ev: None
Pk FR: --

M1_I



Cell: C0320070623T15b

AP: -2.3 ML: 4.6 DV: 7.1

w: 1 n: 121632 $P_{ISI>2}$: 0

1/2pw: 184 μ s p \rightarrow v: 520 μ s

β_T : 3.2 β_D : -2.6

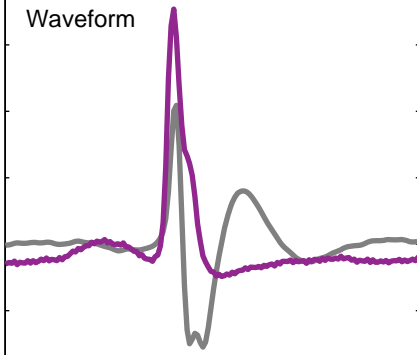
β_P : -3 SI: 0.25

Session FR: 32 Hz

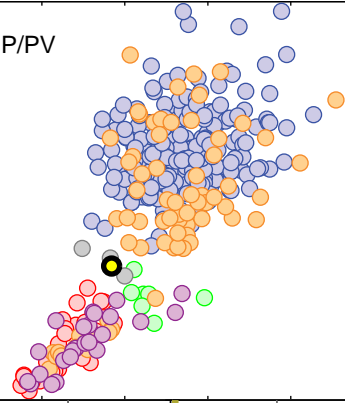
Pk Ev: 1 - Cue on (Tone1)

Pk FR: 41.2Hz (-0.44s) GP

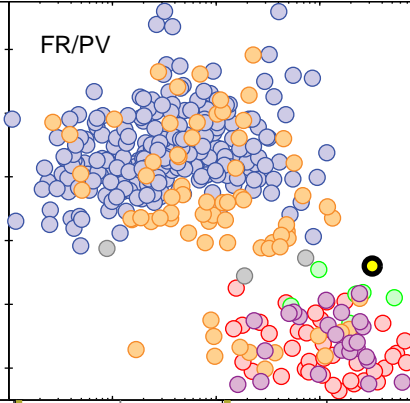
Waveform



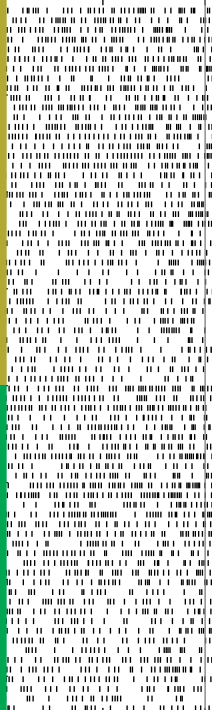
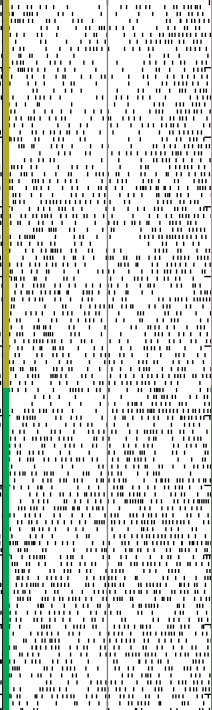
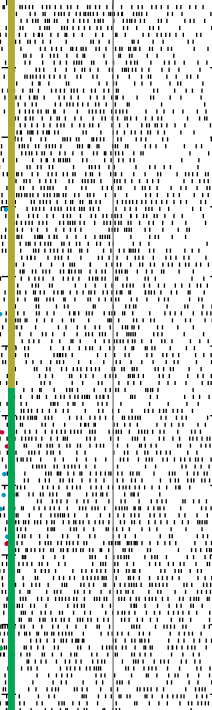
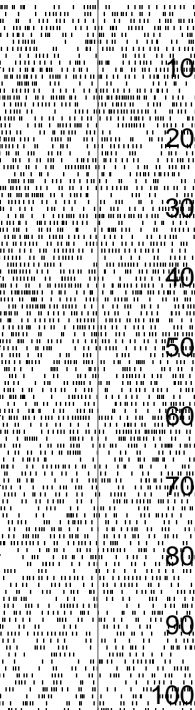
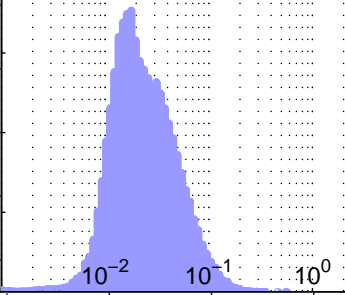
HP/PV



FR/PV



ISI Histogram [7063]



1 Cue On [102]

2 Nose In [102]

3 Tone [52,50]

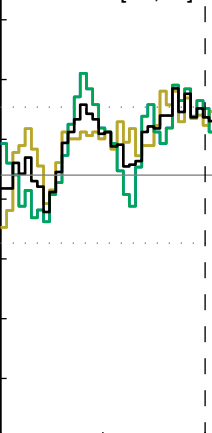
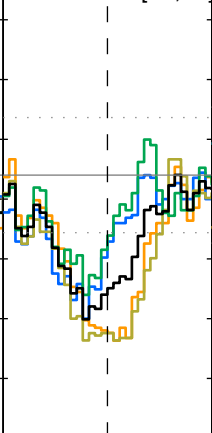
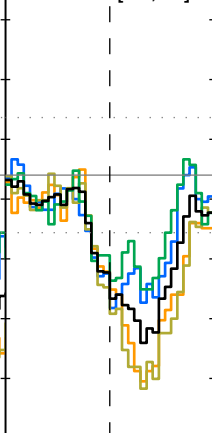
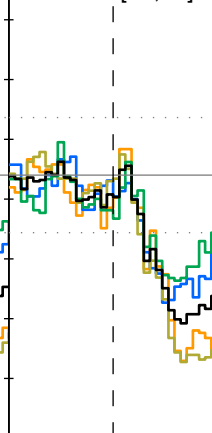
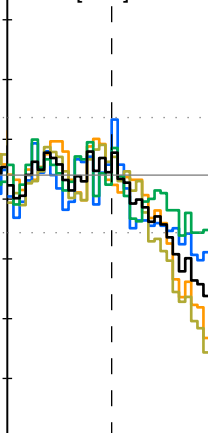
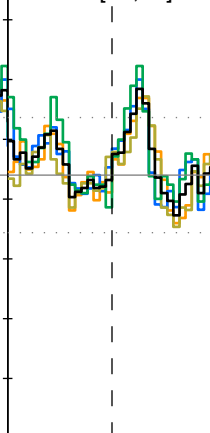
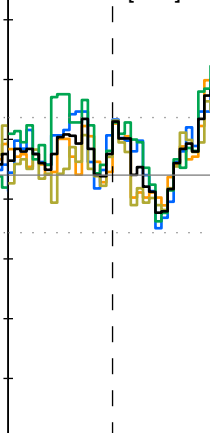
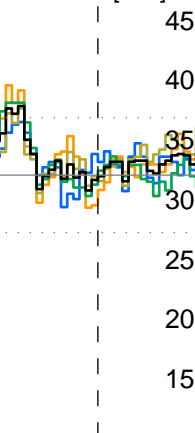
4 Go [102]

5 Choice [55,47]

6 Side In [55,47]

7 Nose Out [55,47]

8 Reward [39,34]



Cell: C0320070621T15a

AP: -2.3 ML: 4.6 DV: 6.8

w: 3 n: 74147 $P_{ISI>2}$: 0

1/2pw: 269 μ s p->v: 434 μ s

β_T : 3 β_D : 5.1

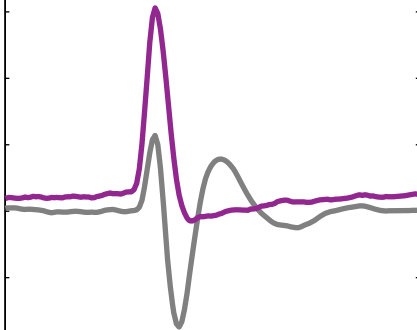
β_P : -2.7 SI: 0.24

Session FR: 24.2 Hz

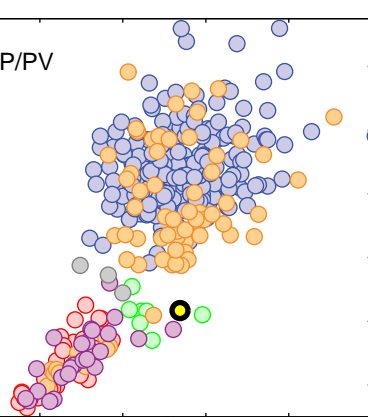
Pk Ev: 3 - Tone (Tone2)

Pk FR: 37.9Hz (0.21s) GP

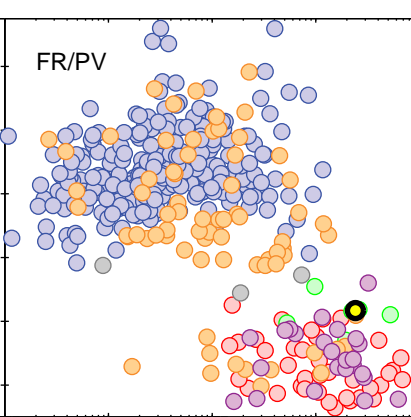
Waveform



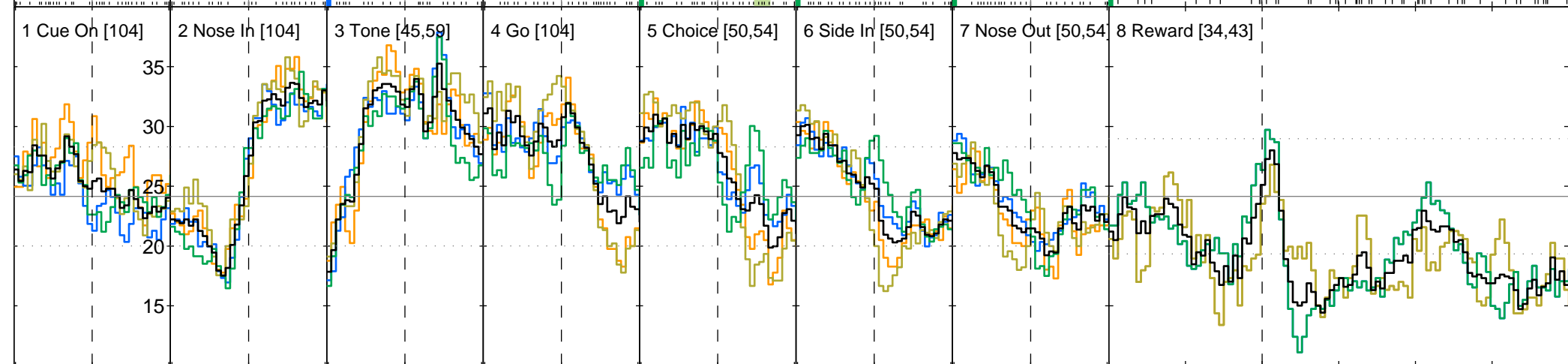
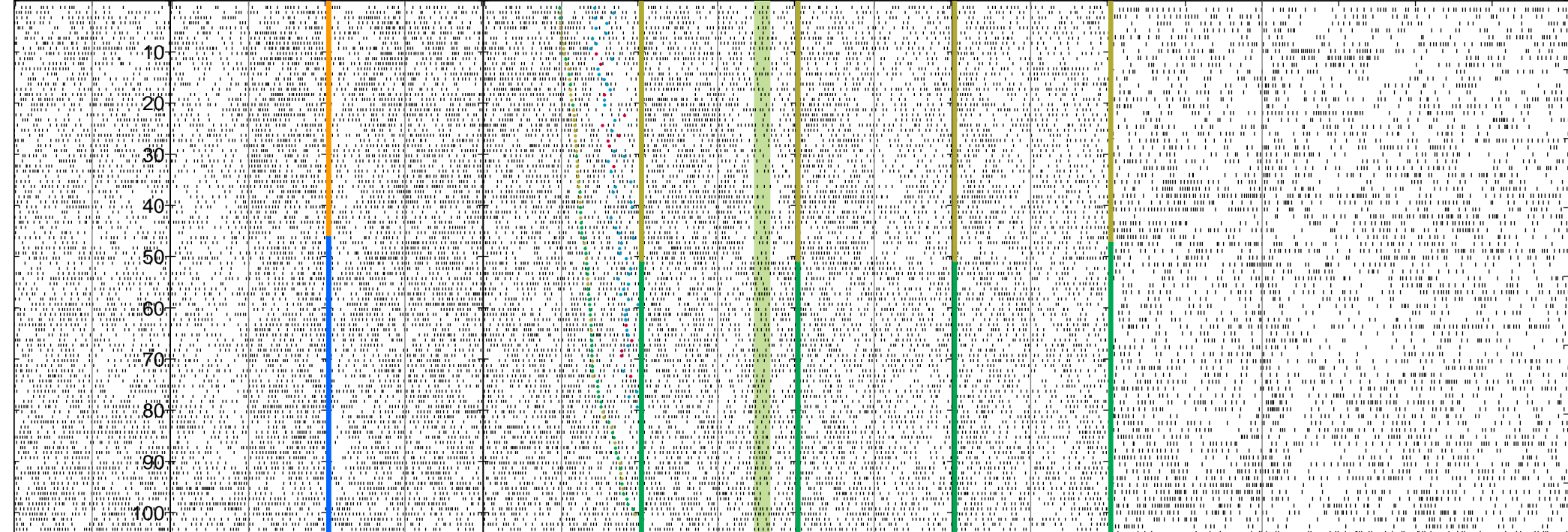
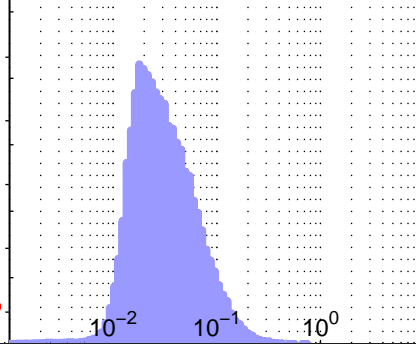
HP/PV



FR/PV



ISI Histogram [4211]



Cell: C0520070406R03a

AP: -2.5 ML: 4.1 DV: 5.6

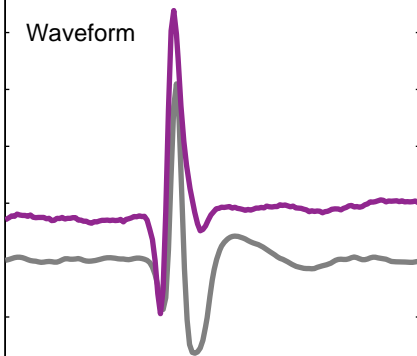
w: 1 n: 52548 $P_{ISI>2}$: 0.0421/2pw: 157 μ s p->v: 334 μ s β_T : 2.4 β_D : -5.6 β_P : 4.7 SI: -0.79

Session FR: 12.1 Hz

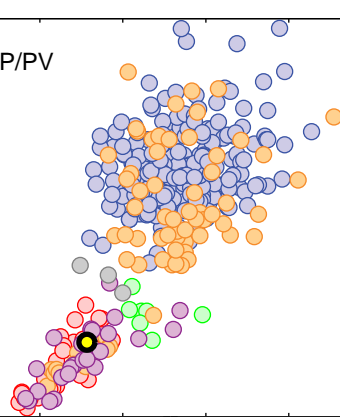
Pk Ev: 3 - Tone (Contra)

Pk FR: 25.3Hz (0.45s) **GP**

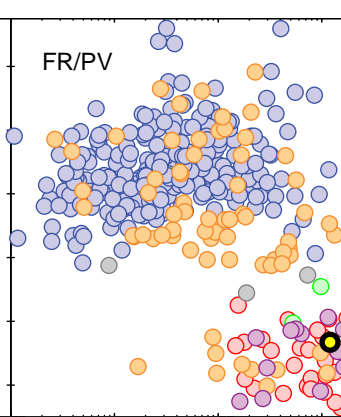
Waveform



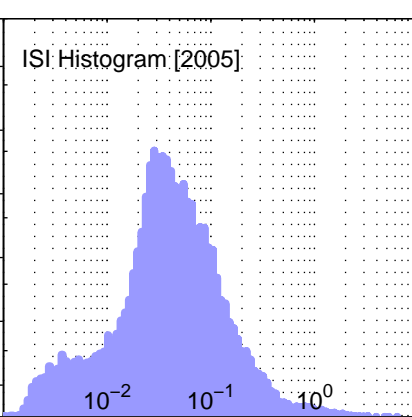
HP/PV



FR/PV



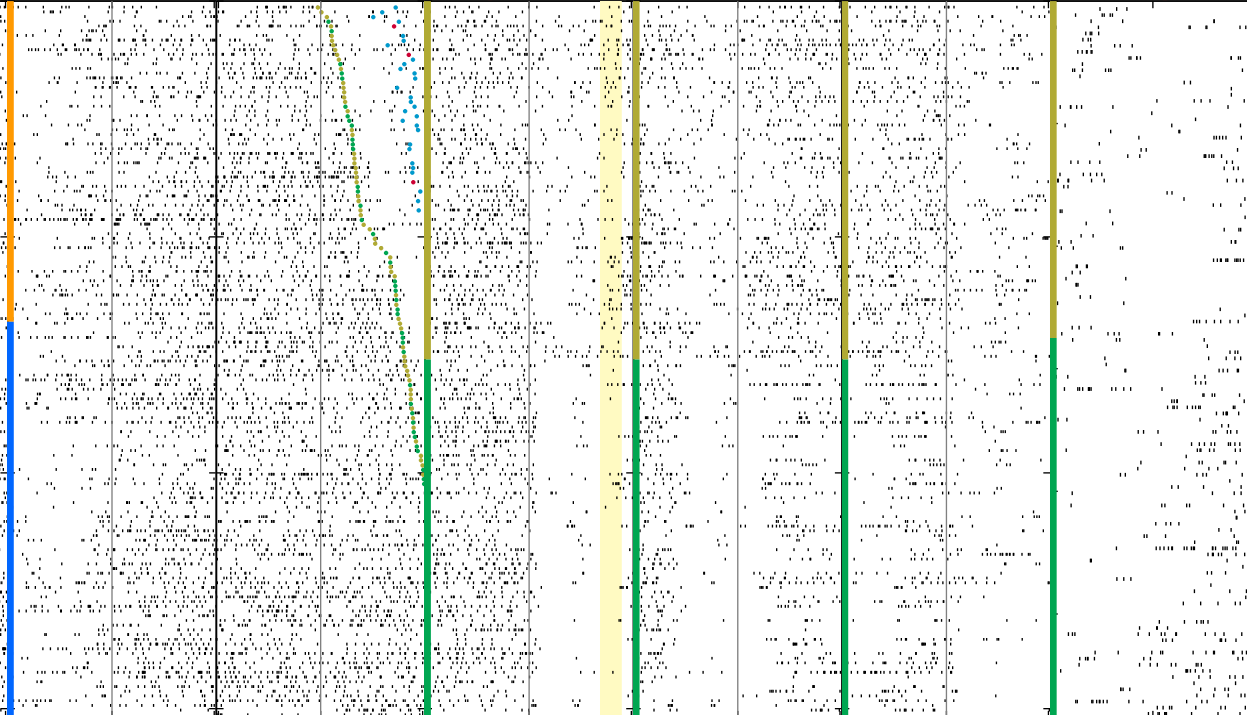
ISI Histogram [2005]



50

100

150



1 Cue On [151]

2 Nose In [151]

3 Tone [67,84]

4 Go [151]

5 Choice [75,76]

6 Side In [75,76]

7 Nose Out [75,76]

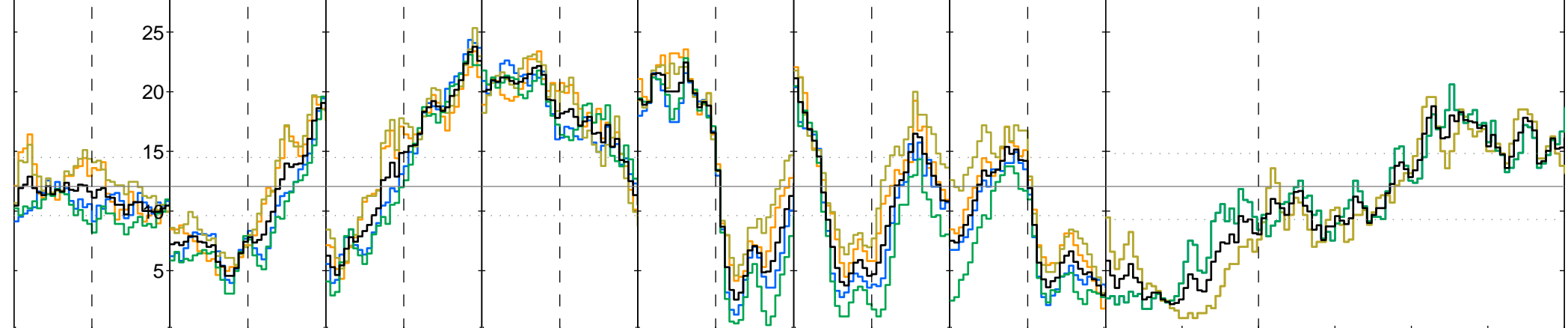
8 Reward [54,62]

25

20

15

5



Cell: C0320070619T15a

AP: -2.3 ML: 4.6 DV: 6.6

w: 3 n: 124050 $P_{ISI>2}$: 0

1/2pw: 126 μ s p->v: 224 μ s

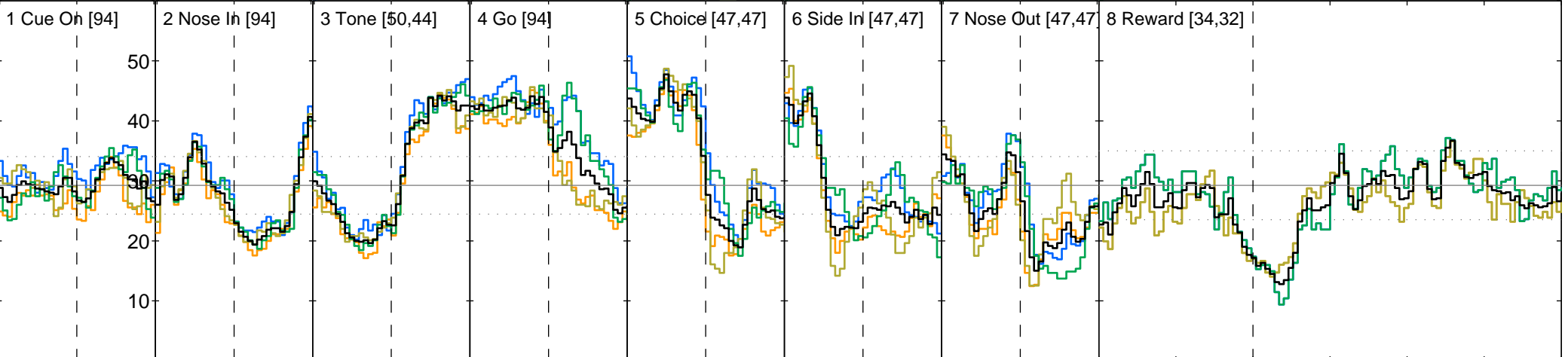
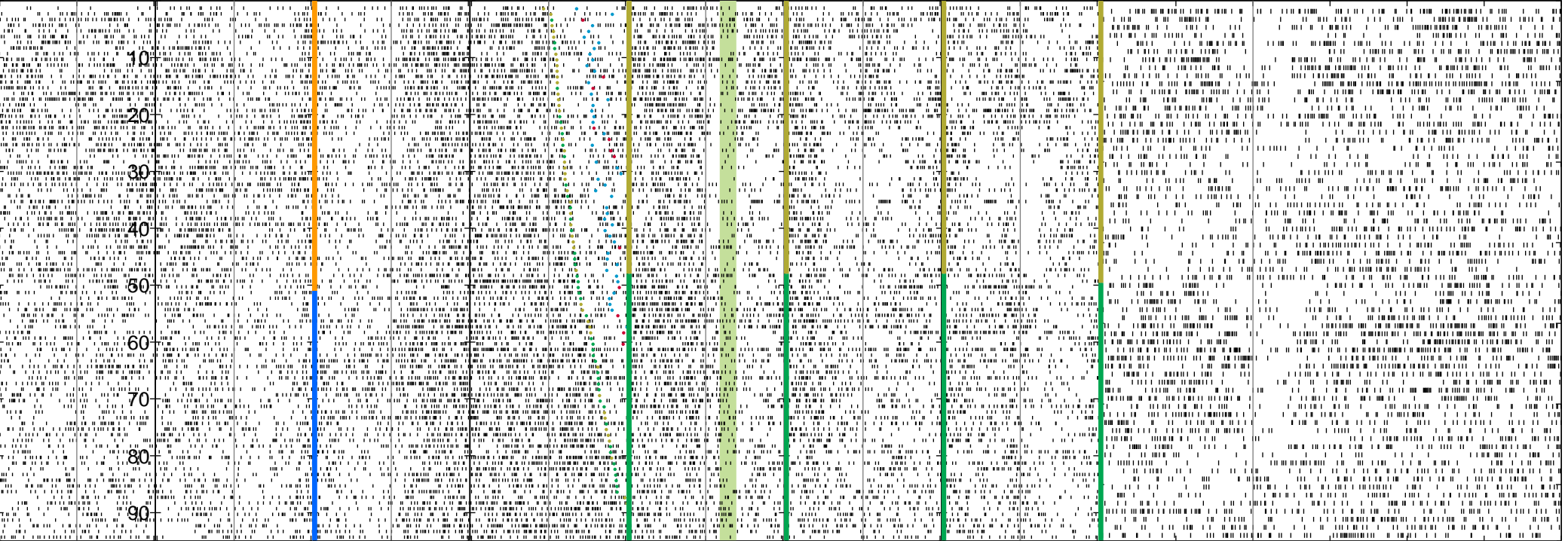
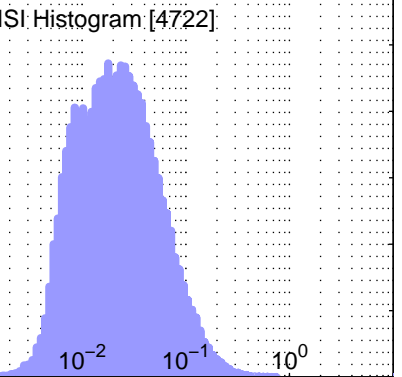
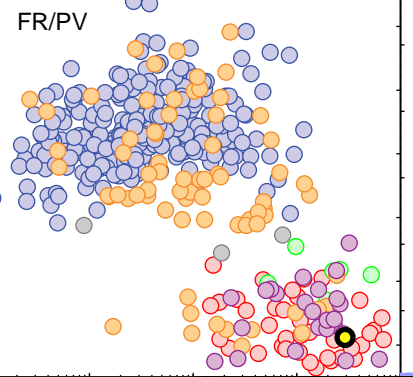
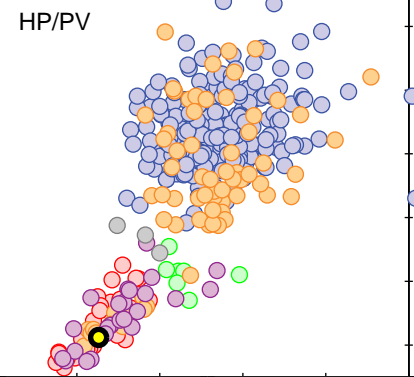
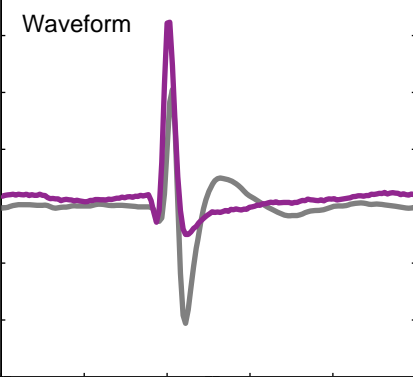
β_T : 4.4 β_D : 4.9

β_P : -2.9 SI: 0.32

Session FR: 29.3 Hz

Pk Ev: 5 - Choice (Tone2)

Pk FR: 50.8Hz (-0.51s) GP



Cell: C0520070417R03a

AP: -2.5 ML: 4.1 DV: 6.2

w: 2 n: 96498 $P_{ISI>2}$: 0.0074

1/2pw: 86 μ s p->v: 150 μ s

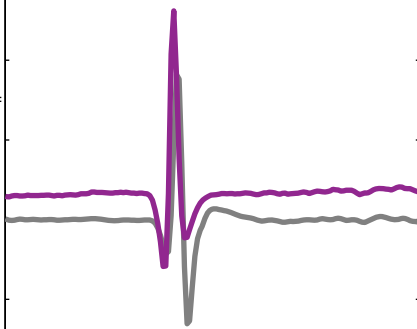
β_T : 2.3 β_D : -3.3

β_P : 4.2 SI: -0.22

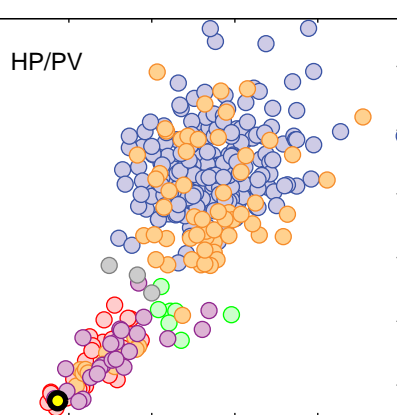
Session FR: 29.6 Hz

Pk Ev: 5 - Choice (Ipsi)

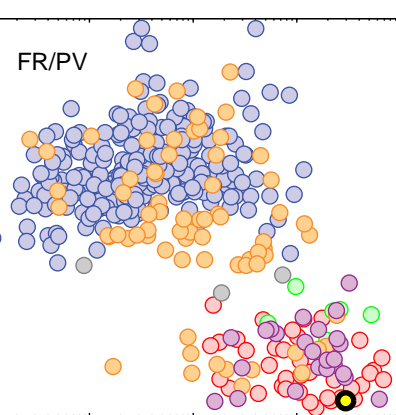
Pk FR: 64.8Hz (0.03s) GP



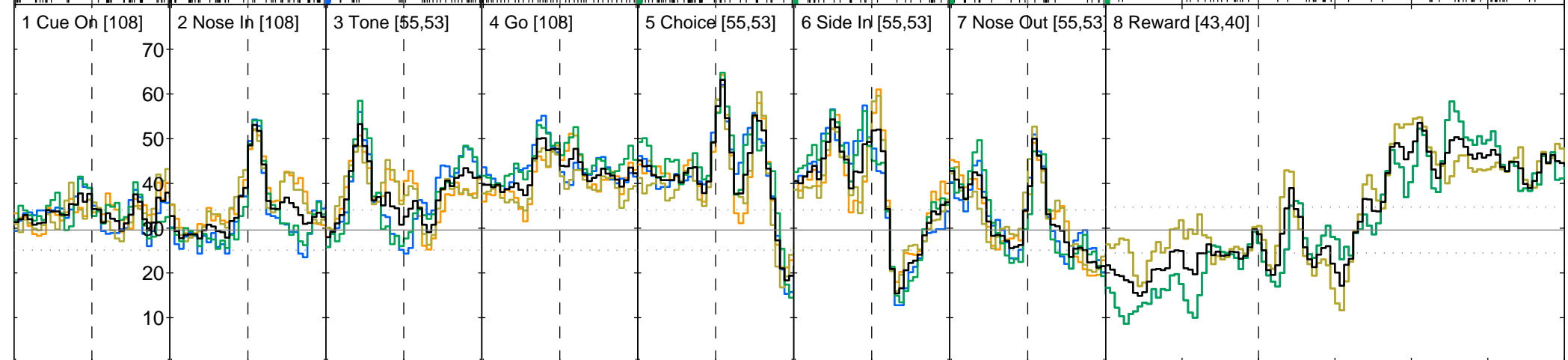
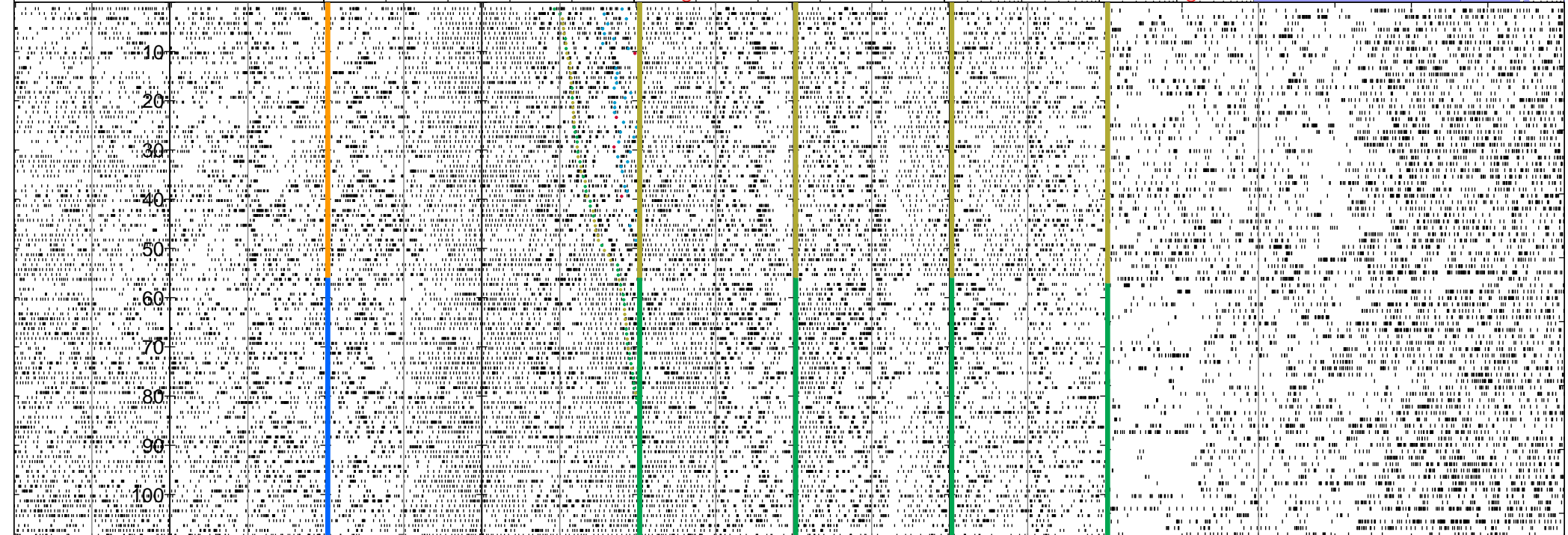
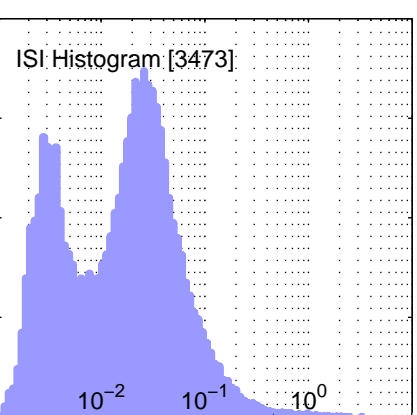
HP/PV



FR/PV



ISI Histogram [3473]



Cell: C0320070625T15a

AP: -2.3 ML: 4.6 DV: 7.4

w: 4 n: 71441 $P_{ISI>2}$: 0.0082

1/2pw: 261 μ s p->v: 374 μ s

β_T : -2.4 β_D : -3.7

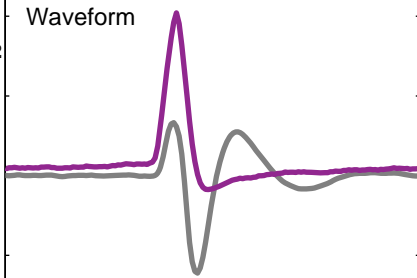
β_P : 5 SI: -0.18

Session FR: 16.2 Hz

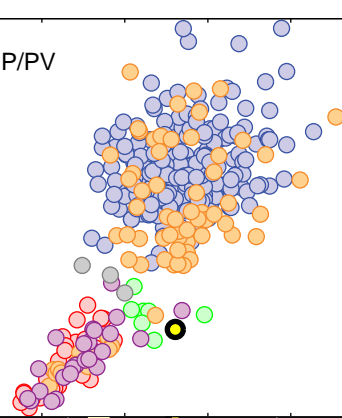
Pk Ev: 5 - Choice (Contra)

Pk FR: 29.4Hz (0.12s) GP

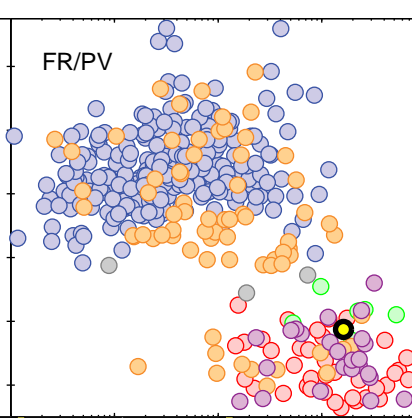
Waveform



HP/PV

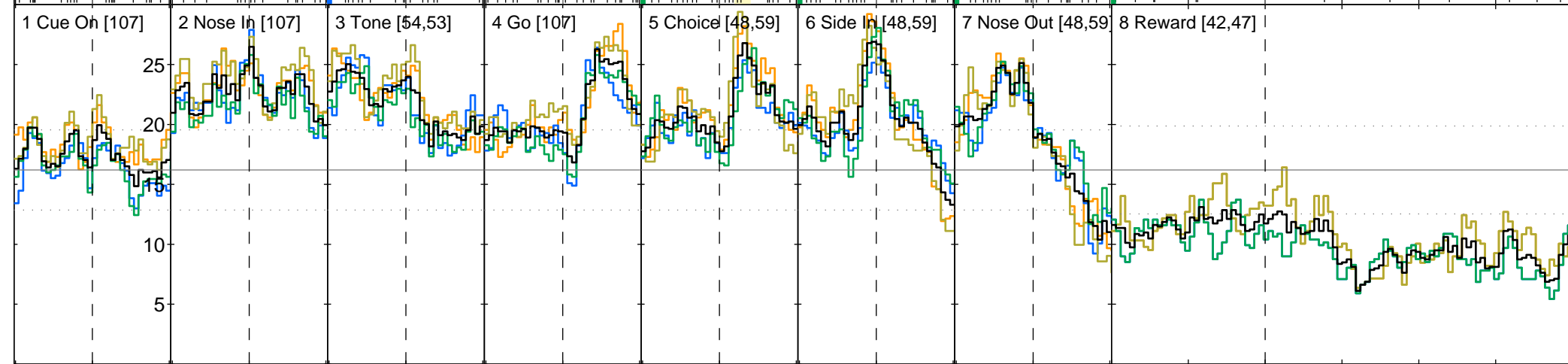
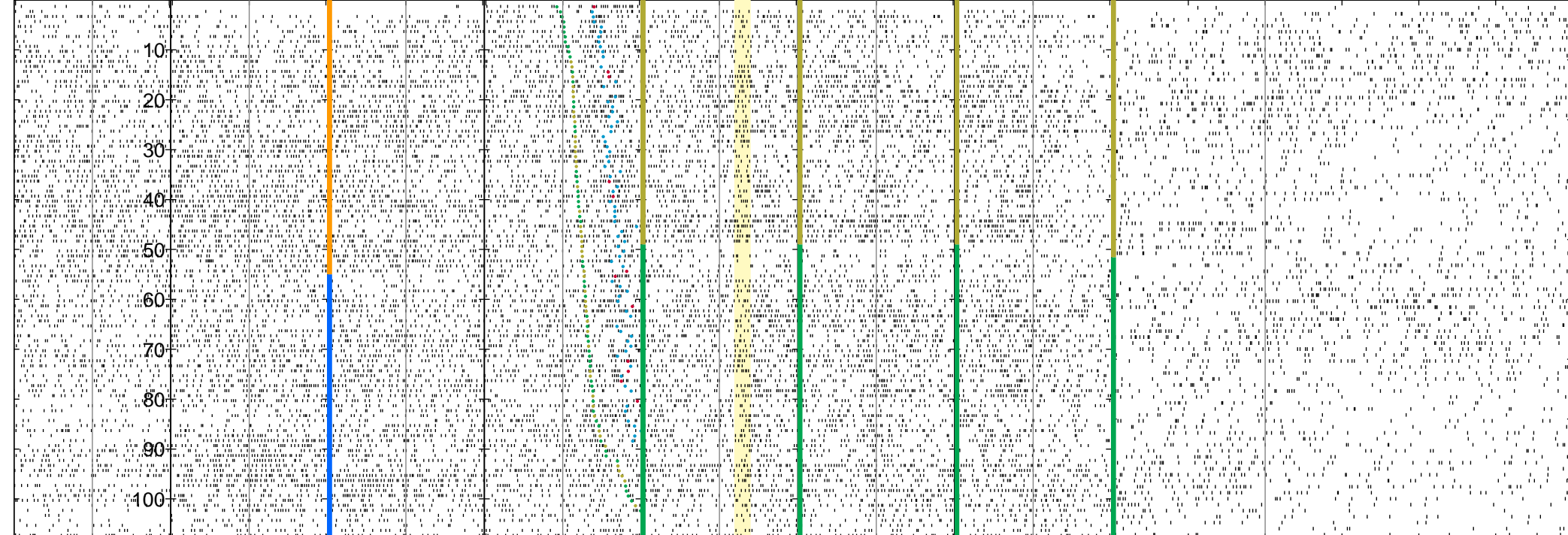
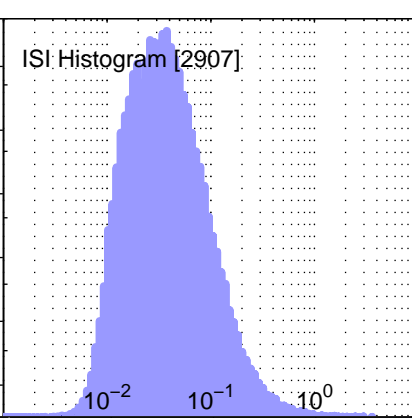


FR/PV



ISI Histogram [2907]

10^{-2} 10^{-1} 10^0



Cell: C1220071027T11a

AP: -2.8 ML: 4.2 DV: 6.9

w: 2 n: 130589 $P_{ISI>2}$: 0

1/2pw: 150 μ s p->v: 330 μ s

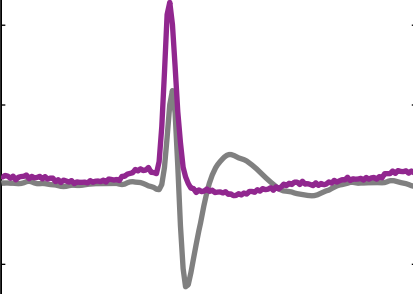
β_T : -3 β_D : -3.9

β_P : -2.8 SI: -0.26

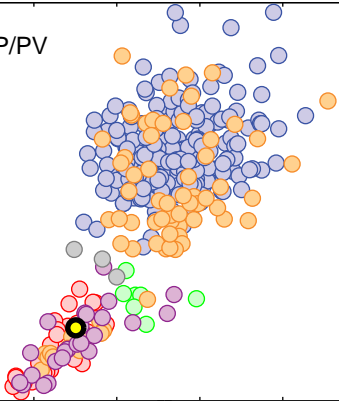
Session FR: 26.1 Hz

Pk Ev: 5 - Choice (Contra)

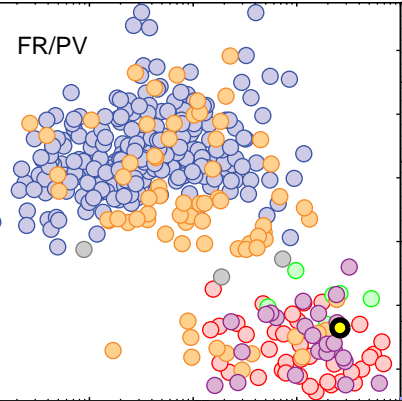
Pk FR: 49.3Hz (0.18s) GP



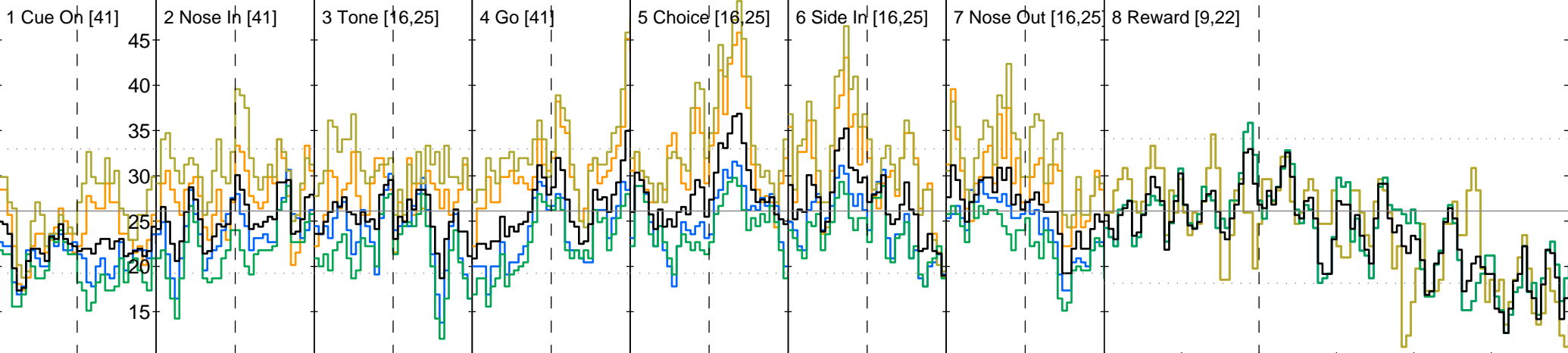
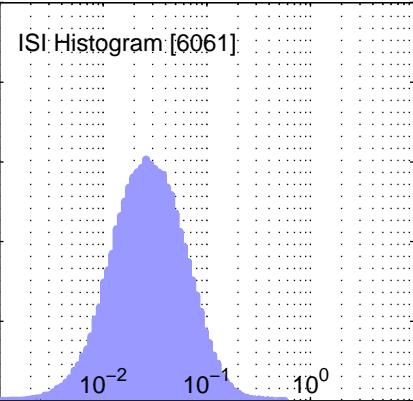
HP/PV



FR/PV



ISI Histogram [6061]



Cell: C0320070624T15a

AP: -2.3 ML: 4.6 DV: 7.3

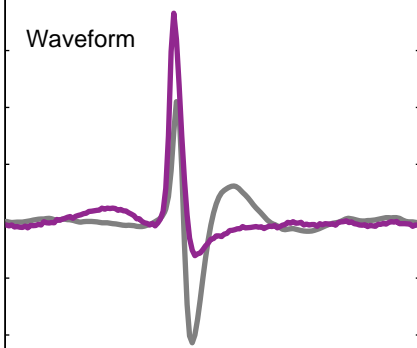
w: 1 n: 86000 $P_{ISI>2}$: 01/2pw: 141 μ s p->v: 262 μ s β_T : -2.3 β_D : -3.5 β_P : -3.4 SI: -0.17

Session FR: 23 Hz

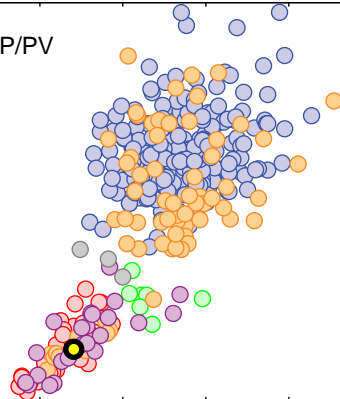
Pk Ev: 6 - Side In (Tone2)

Pk FR: 37.8Hz (-0.75s) GP

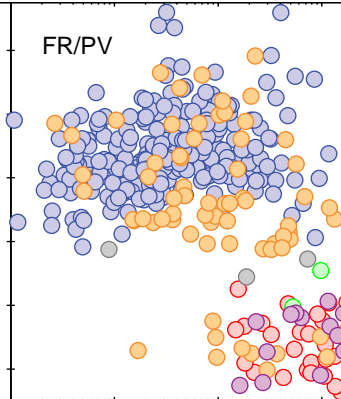
Waveform



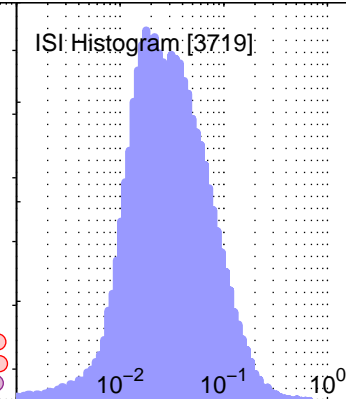
HP/PV



FR/PV



ISI Histogram [3719]



20

40

60

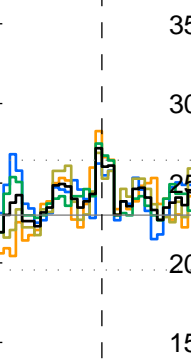
80

100

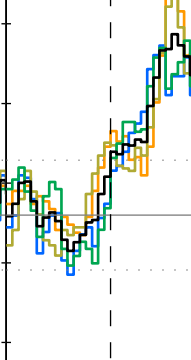
120

140

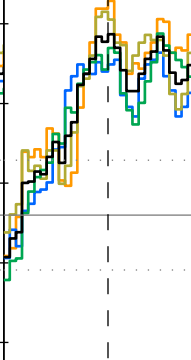
1 Cue Oh [143]



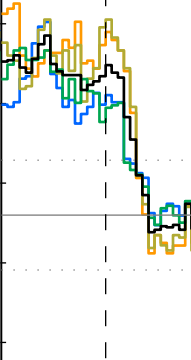
2 Nose In [143]



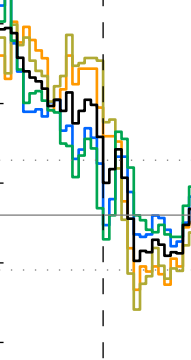
3 Tone [68,75]



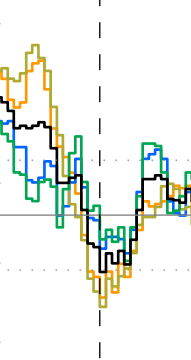
4 Go [143]



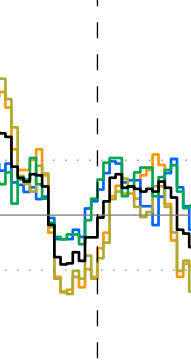
5 Choice [69,74]



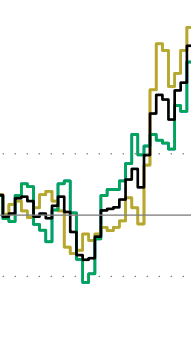
6 Side In [69,74]



7 Nose Out [69,74]



8 Reward [54,61]



Cell: C0320070627T15c

AP: -2.3 ML: 4.6 DV: 7.7

w: 1 n: 39798 $P_{ISI>2}$: 0

1/2pw: 190 μ s p \rightarrow v: 413 μ s

β_T : -2.7 β_D : -3.5

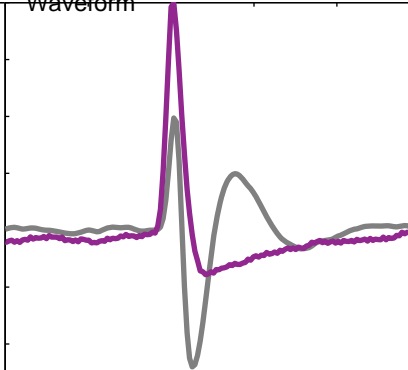
β_P : -3.1 SI: -0.16

Session FR: 11.5 Hz

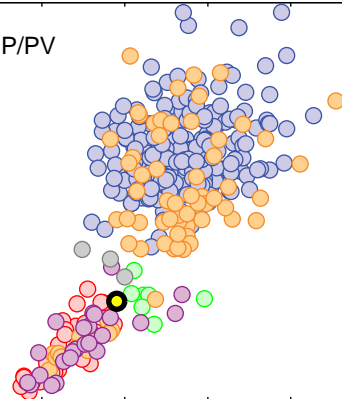
Pk Ev: 6 - Side In (Tone1)

Pk FR: 17Hz (-0.36s) **GP**

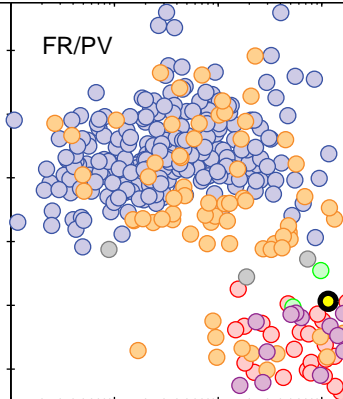
Waveform



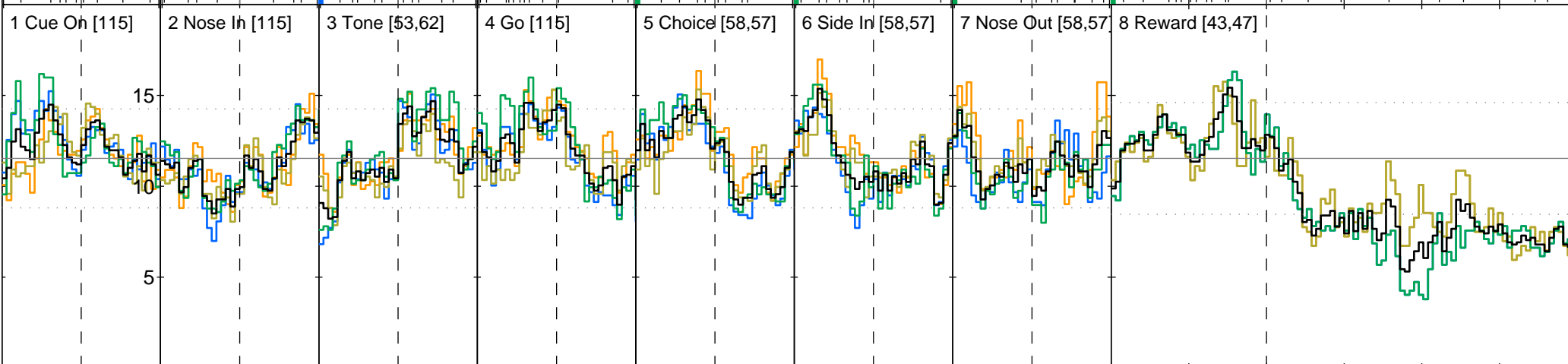
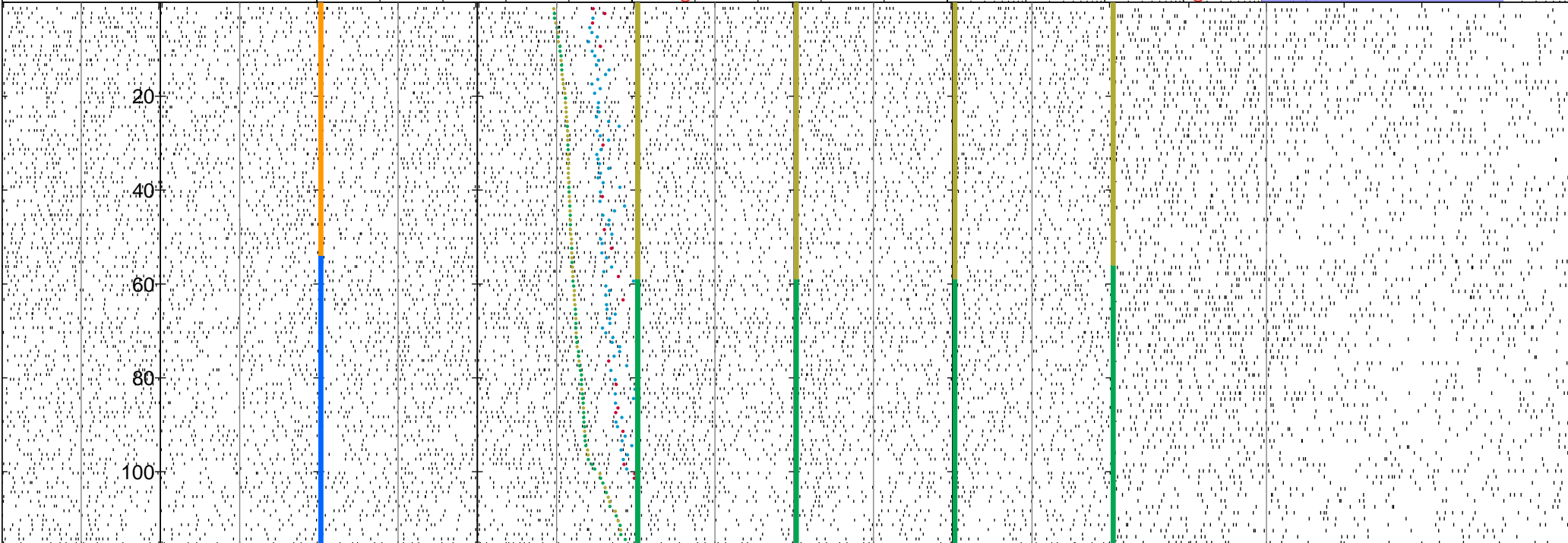
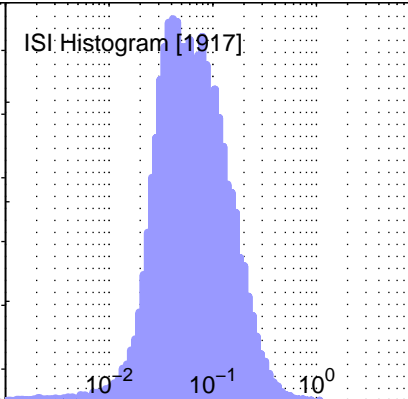
HP/PV



FR/PV



ISI Histogram [1917]



Cell: C0320070621T15d

AP: -2.3 ML: 4.6 DV: 6.8

w: 3 n: 9077 $P_{ISI>2}$: 0.18

1/2pw: 138 μ s p \rightarrow v: 254 μ s

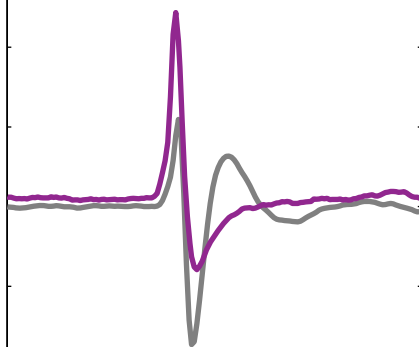
β_T : -3.1 β_D : -3.1

β_P : -3 SI: -0.73

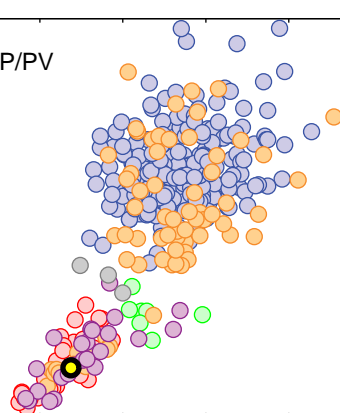
Session FR: 2.96 Hz

Pk Ev: 6 - Side In (Contra)

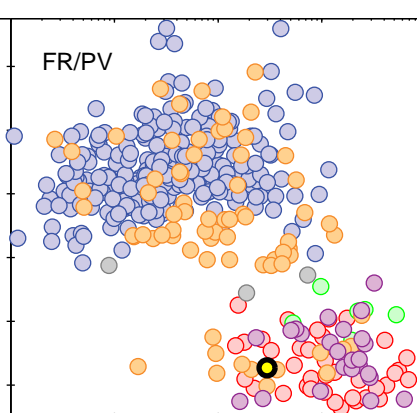
Pk FR: 8.44Hz (0.09s) GP



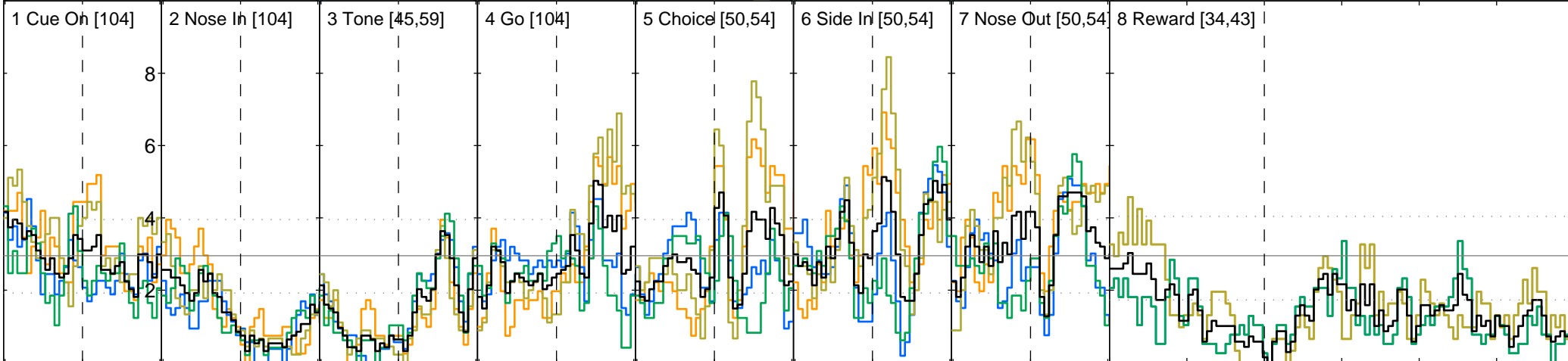
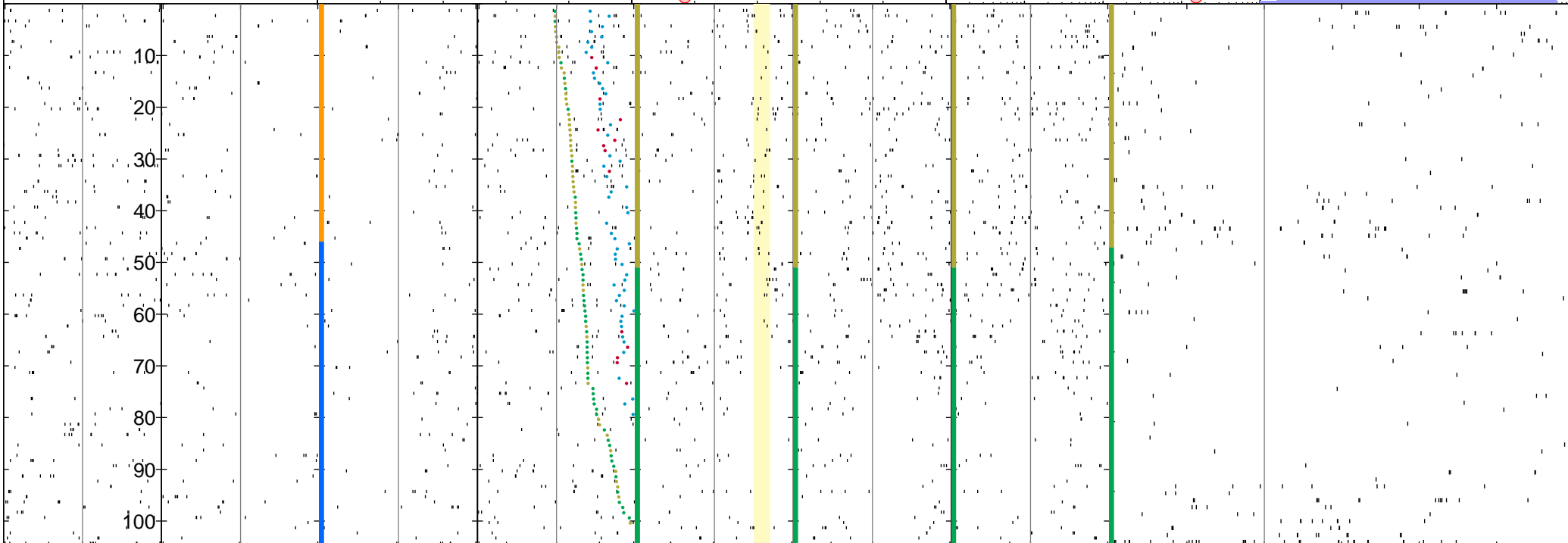
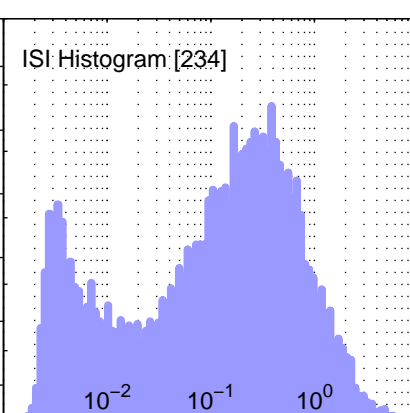
HP/PV



FR/PV



ISI Histogram [234]



Cell: C0320070621T15c

AP: -2.3 ML: 4.6 DV: 6.8

w: 3 n: 50059 $P_{ISI>2}$: 0

1/2pw: 166 μ s p->v: 256 μ s

β_T : 2.6 β_D : 6.5

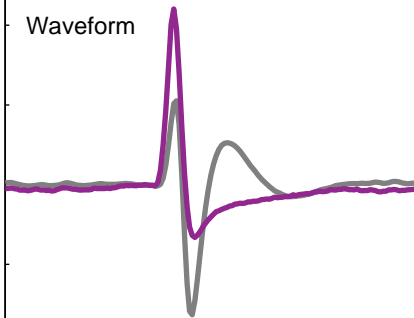
β_P : -3.2 SI: 0.5

Session FR: 16.3 Hz

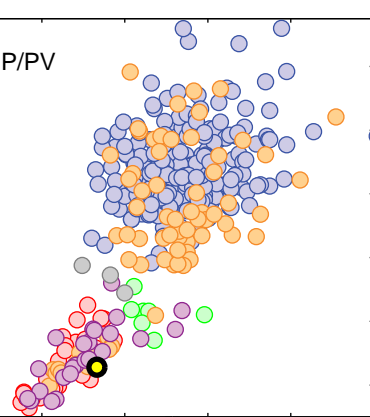
Pk Ev: 7 - Nose out (Tone2)

Pk FR: 38.4Hz (0.3s) GP

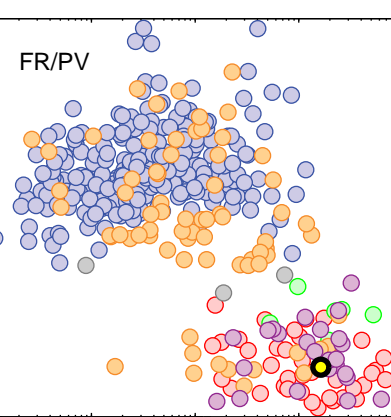
Waveform



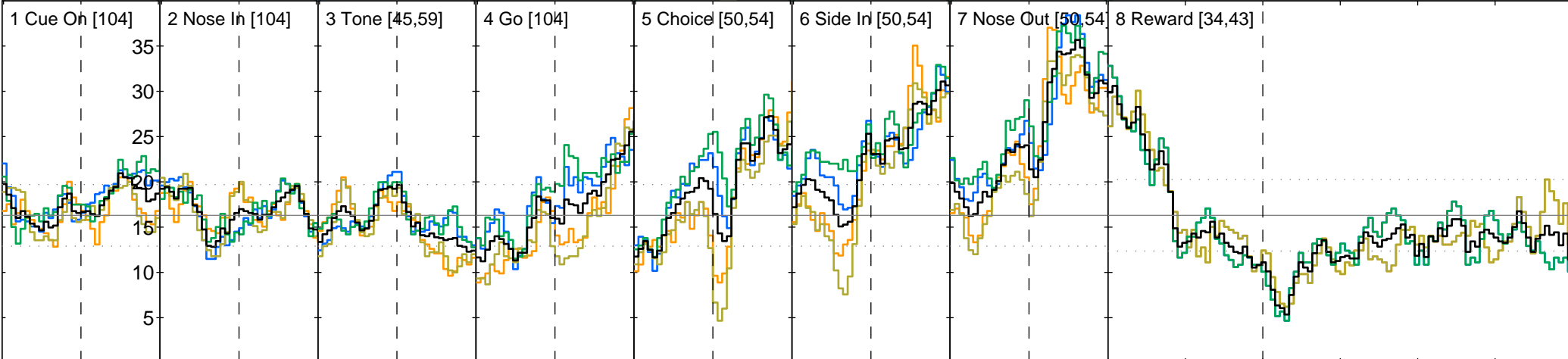
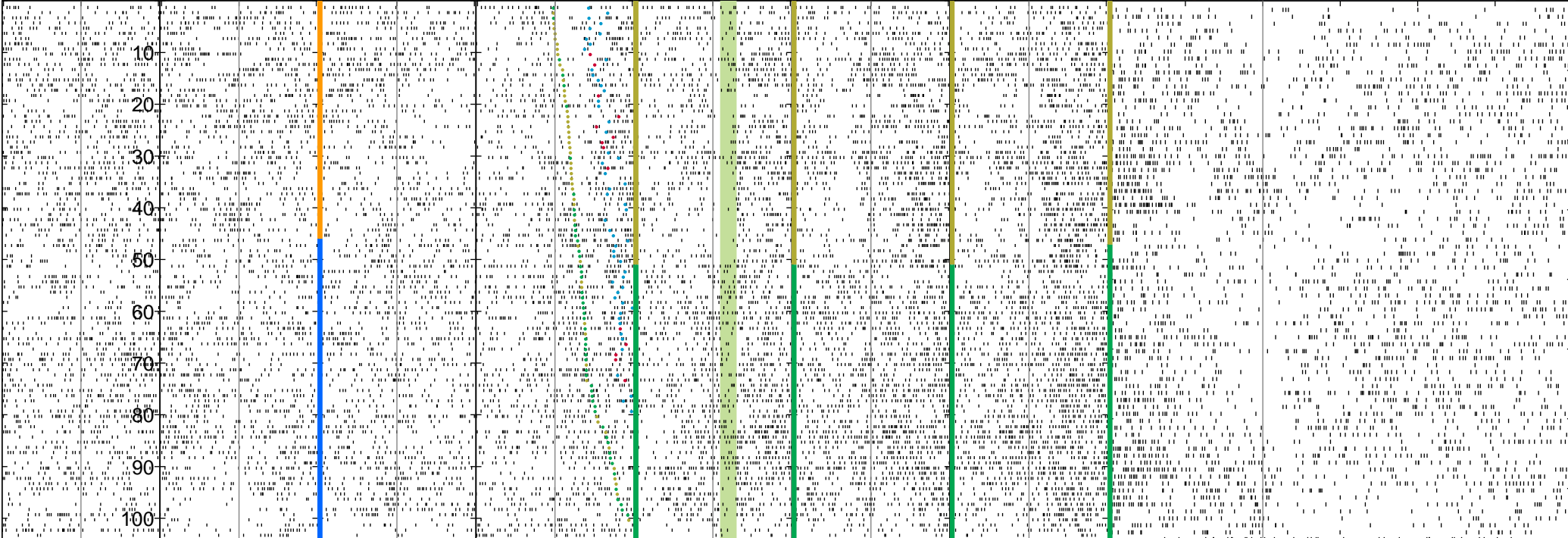
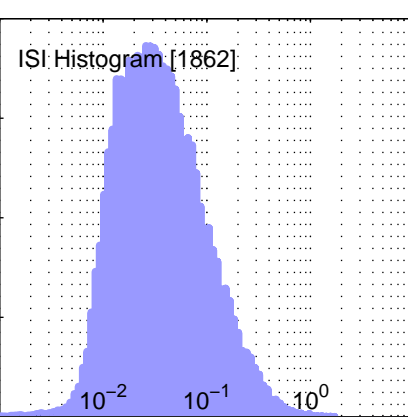
HP/PV



FR/PV



ISI Histogram [1862]



Cell: C0320070627T15a

AP: -2.3 ML: 4.6 DV: 7.7

w: 2 n: 97352 $P_{ISI>2}$: 0

1/2pw: 134 μ s p->v: 235 μ s

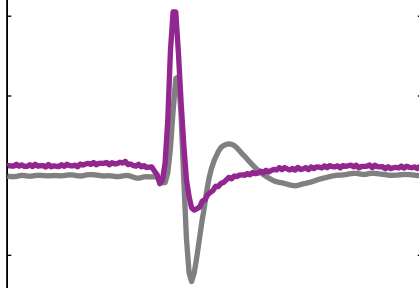
β_T : -2.7 β_D : -4.2

β_P : 4.9 SI: -0.42

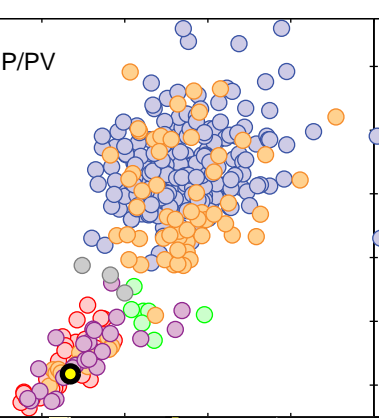
Session FR: 28.2 Hz

Pk Ev: 7 - Nose out (Tone1)

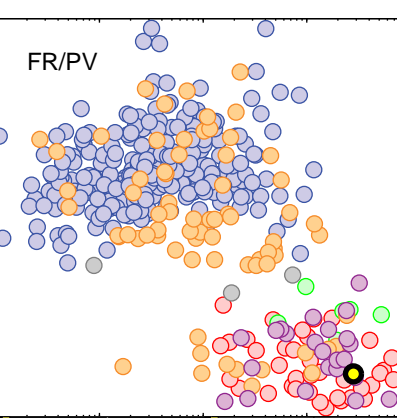
Pk FR: 60.6Hz (0.42s) GP



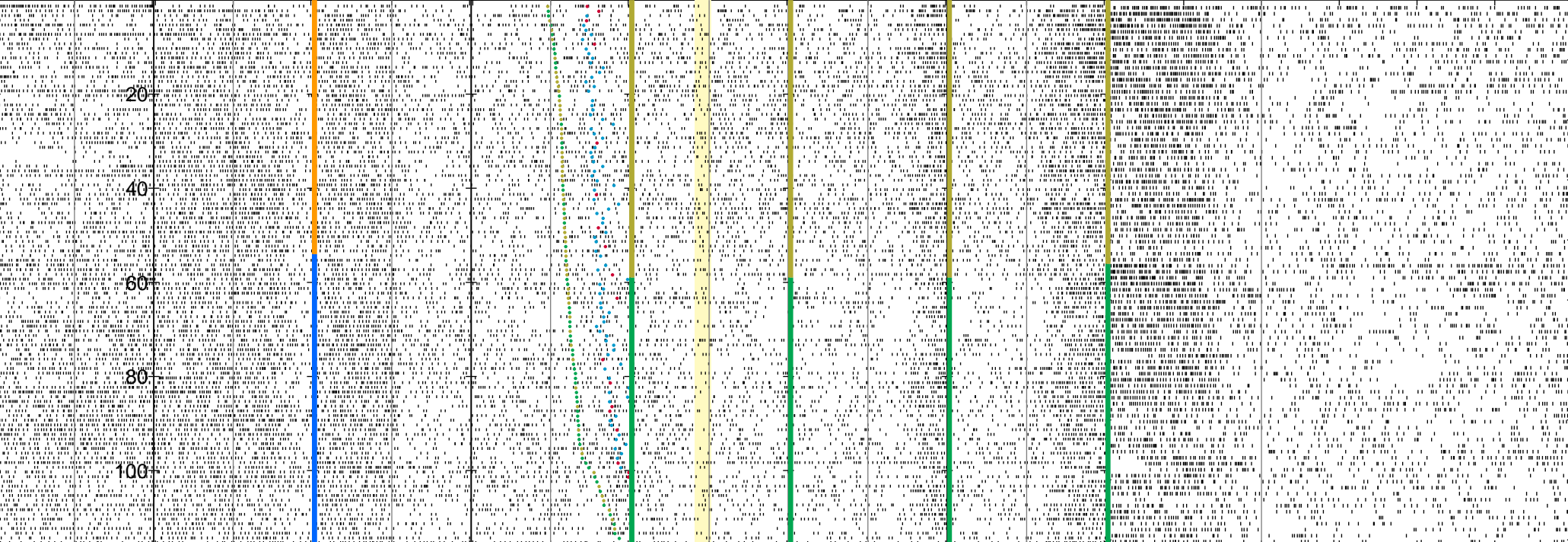
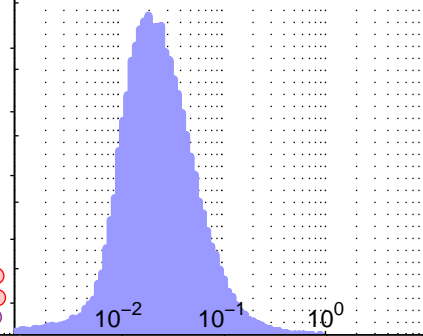
HP/PV



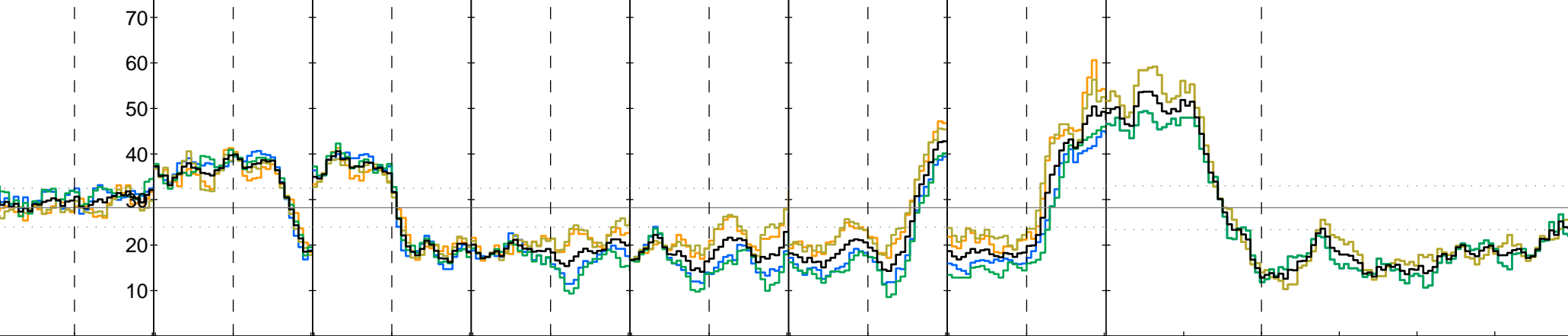
FR/PV



ISI Histogram [4811]



1 Cue On [115] 2 Nose In [115] 3 Tone [53,62] 4 Go [115] 5 Choice [58,57] 6 Side In [58,57] 7 Nose Out [58,57] 8 Reward [43,47]



Cell: C0320070621T15b

AP: -2.3 ML: 4.6 DV: 6.8

w: 4 n: 43737 $P_{ISI>2}$: 0.0017

1/2pw: 173 μ s p \rightarrow v: 306 μ s

β_T : -2.5 β_D : 2.8

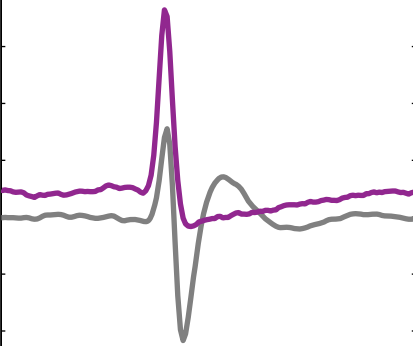
β_P : 3.3 SI: 0.26

Session FR: 14.2 Hz

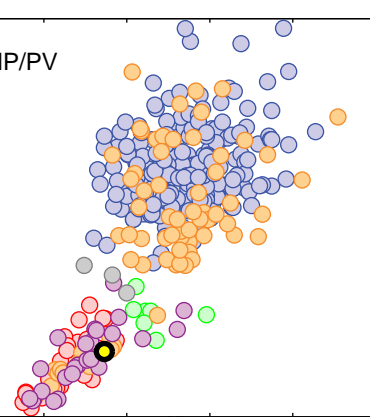
Pk Ev: 7 - Nose out (Ipsi)

Pk FR: 30.7Hz (0.63s) GP

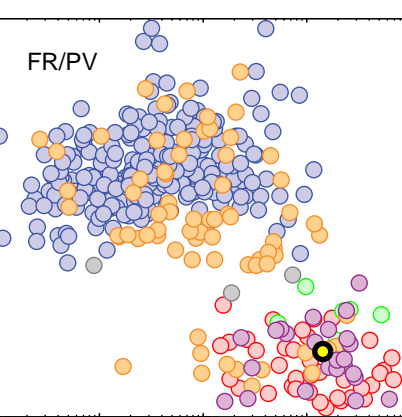
Waveform



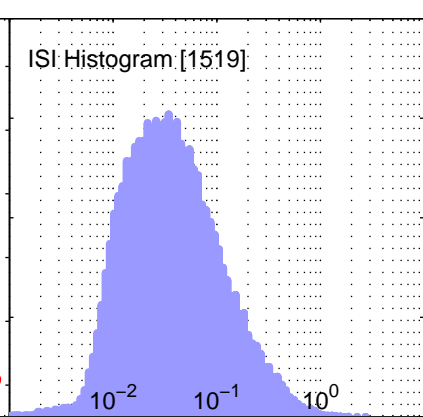
HP/PV



FR/PV



ISI Histogram [1519]



1 Cue On [104]

2 Nose In [104]

3 Tone [45,59]

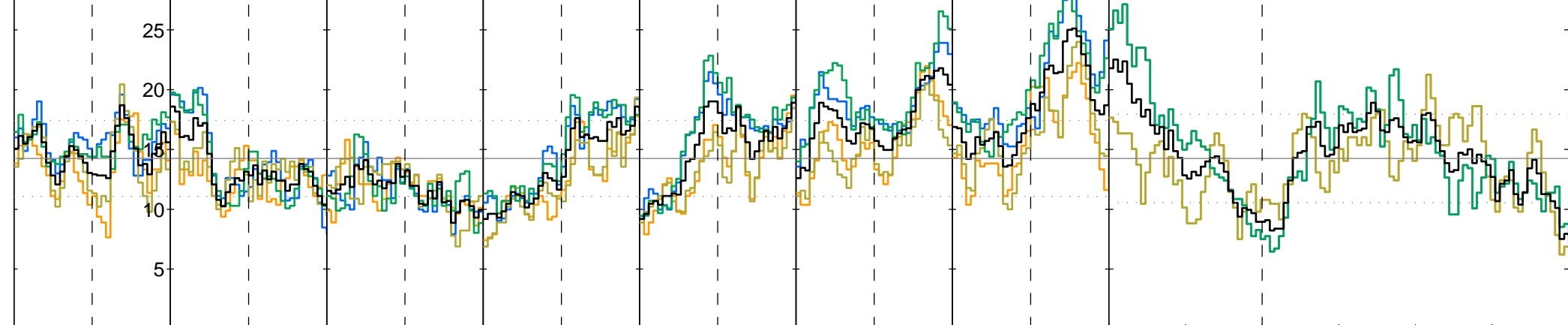
4 Go [104]

5 Choice [50,54]

6 Side In [50,54]

7 Nose Out [50,54]

8 Reward [34,43]



Cell: C0320070624T15b

AP: -2.3 ML: 4.6 DV: 7.3

w: 1 n: 91366 $P_{ISI>2}$: 0

1/2pw: 219 μ s p \rightarrow v: 346 μ s

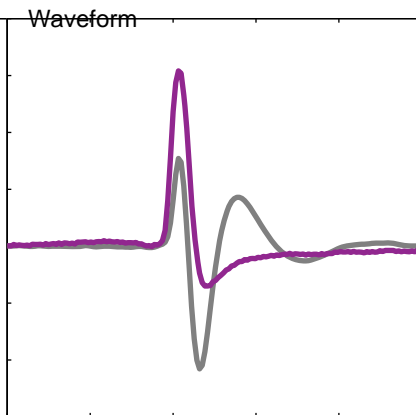
β_T : -2.9 β_D : 4.9

β_P : 3.4 SI: 0.18

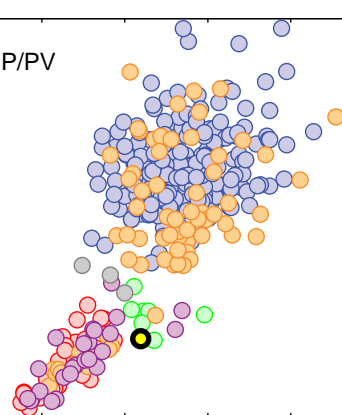
Session FR: 24.4 Hz

Pk Ev: 7 - Nose out (Tone1)

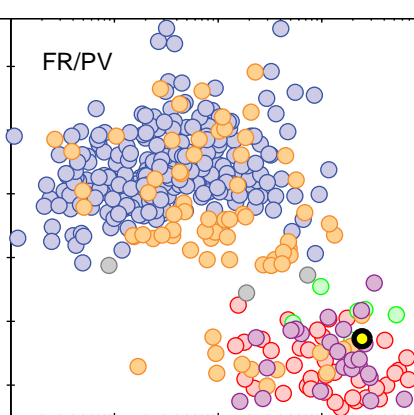
Pk FR: 35.8Hz (0.87s) GP



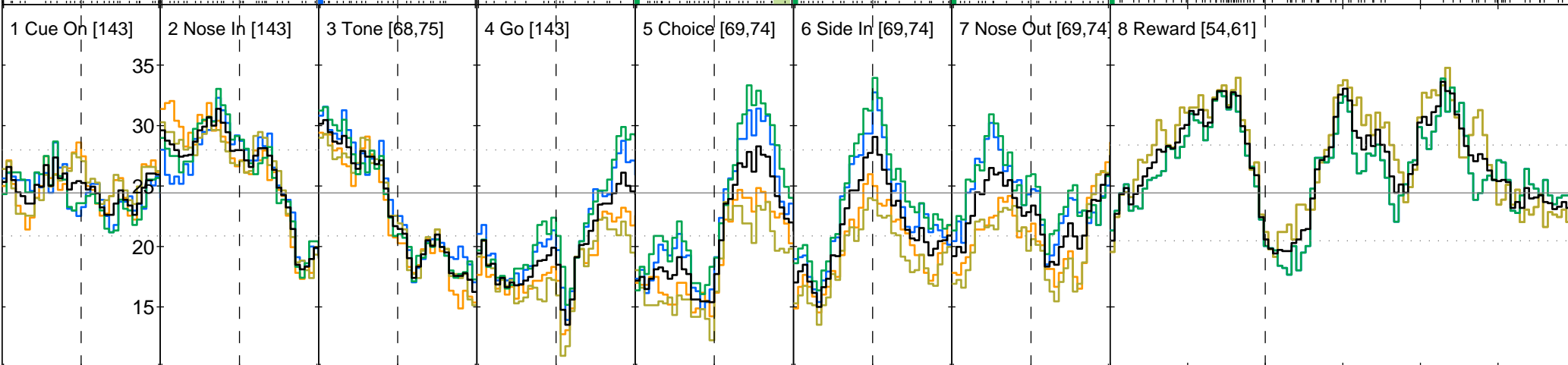
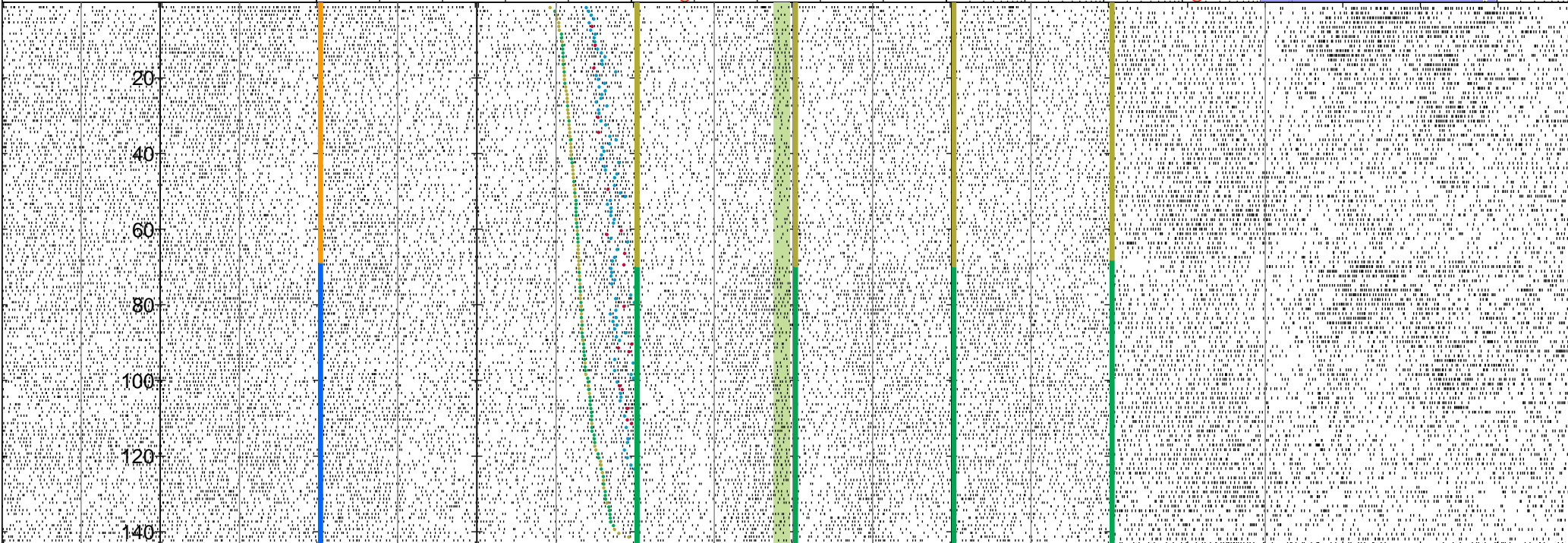
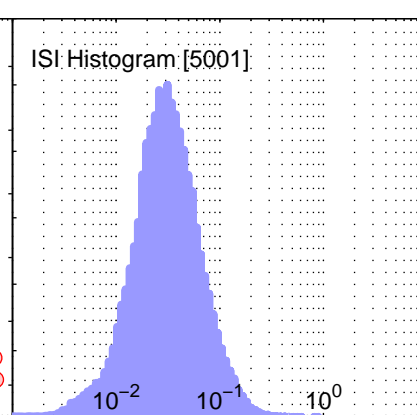
HP/PV



FR/PV



ISI Histogram [5001]



Cell: C0320070627T15b

AP: -2.3 ML: 4.6 DV: 7.7

w: 1 n: 21944 $P_{ISI>2}$: 0

1/2pw: 182 μ s p \rightarrow v: 362 μ s

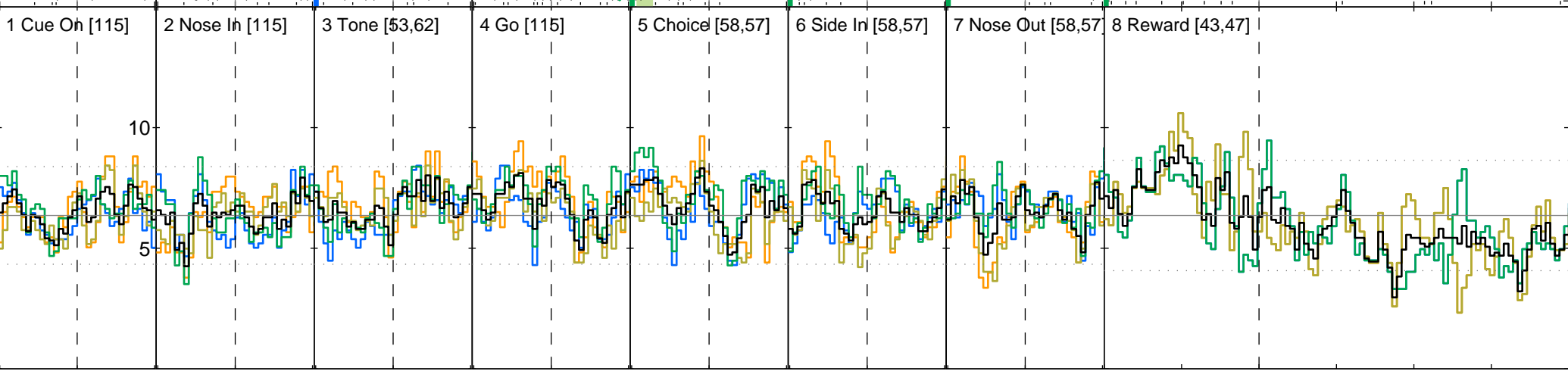
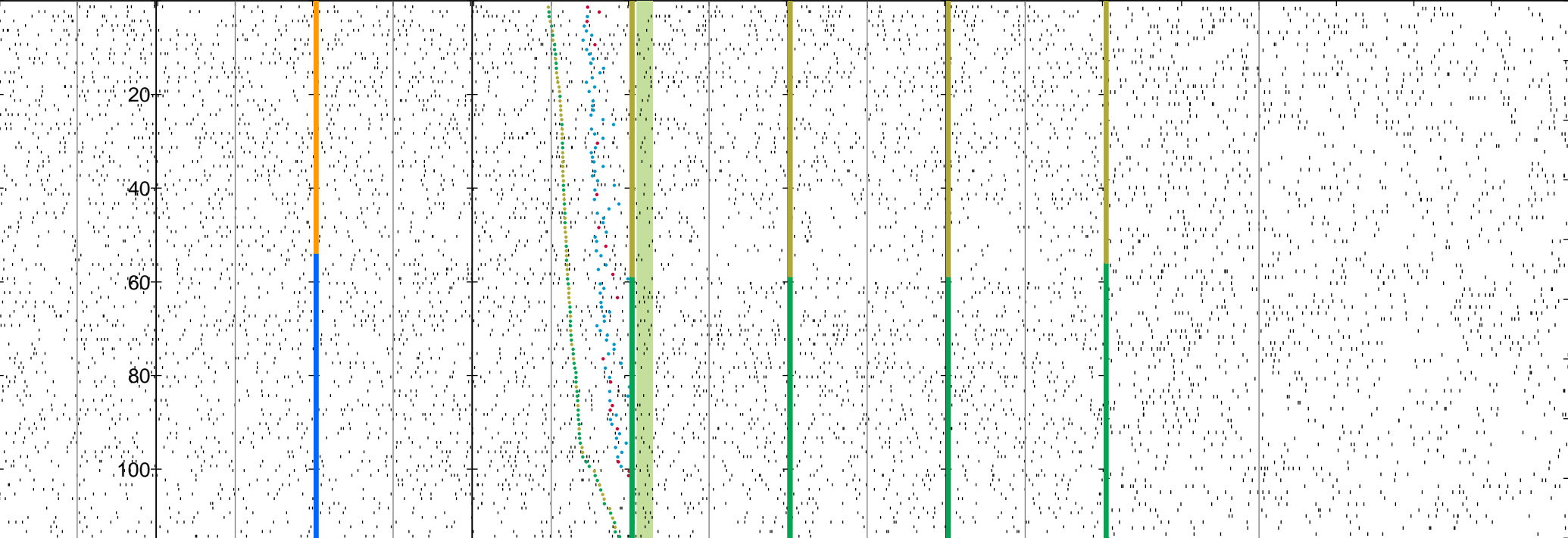
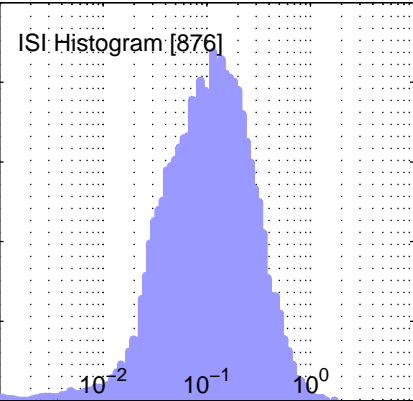
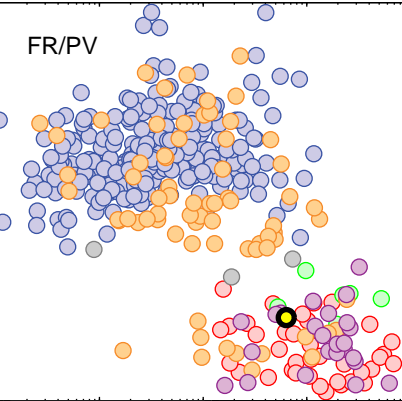
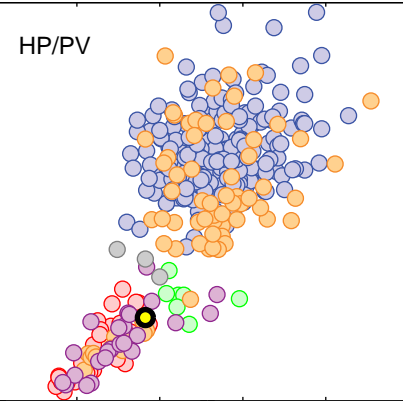
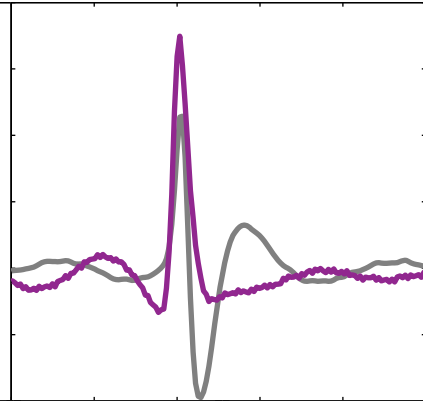
β_T : 2.6 β_D : 3.1

β_P : -3.4 SI: 0.33

Session FR: 6.36 Hz

Pk Ev: 8 - Reward (T1/Con)

Pk FR: 10.6Hz (-0.52s) GP



Cell: C1220071114T11a

AP: -2.8 ML: 4.2 DV: 7.2

w: 3 n: 383287 P_{ISI>2}: 0

1/2pw: 117μs p->v: 155μs

β_T: 3.5 β_D: -5

β_p: -7.5 SI: -0.4

Session FR: 62.8 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 115Hz (-0.34s) GP

HP/PV

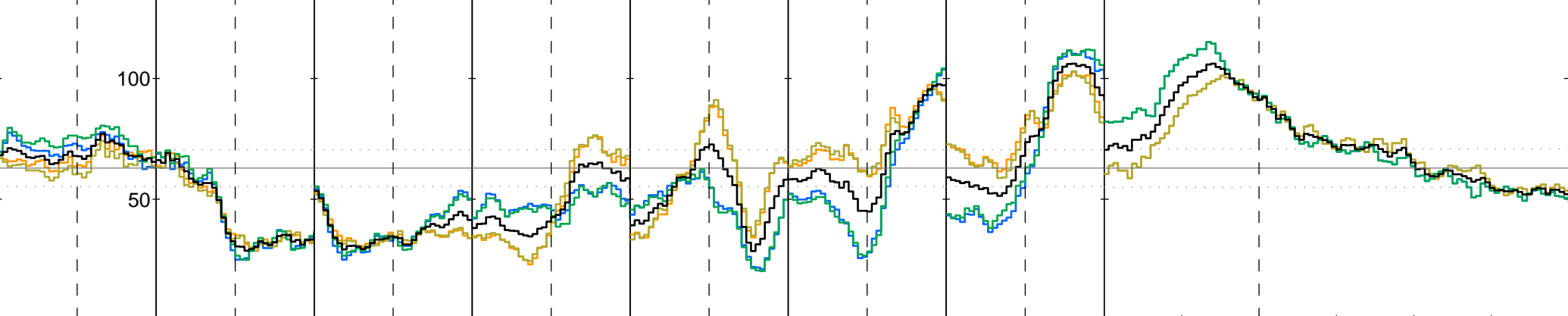
FR/PV

ISI Histogram [37384]

10⁻² 10⁻¹ 10⁰



1 Cue On [80] 2 Nose In [80] 3 Tone [43,37] 4 Go [80] 5 Choice [42,38] 6 Side In [42,38] 7 Nose Out [42,38] 8 Reward [39,34]



Cell: C1220071117T11b

AP: -2.8 ML: 4.2 DV: 7.4

w: 3 n: 14002 $P_{ISI>2}$: 0.082

1/2pw: 117 μ s p->v: 349 μ s

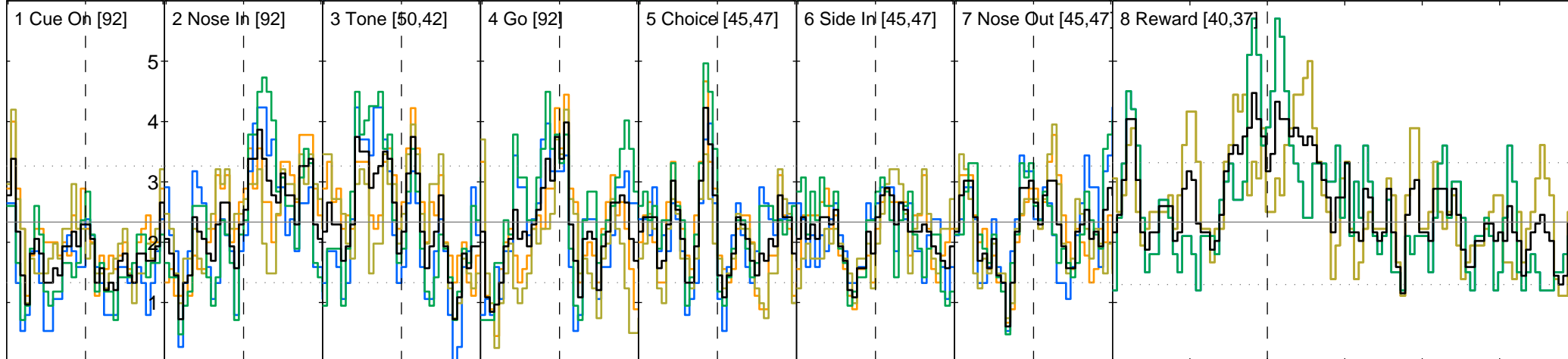
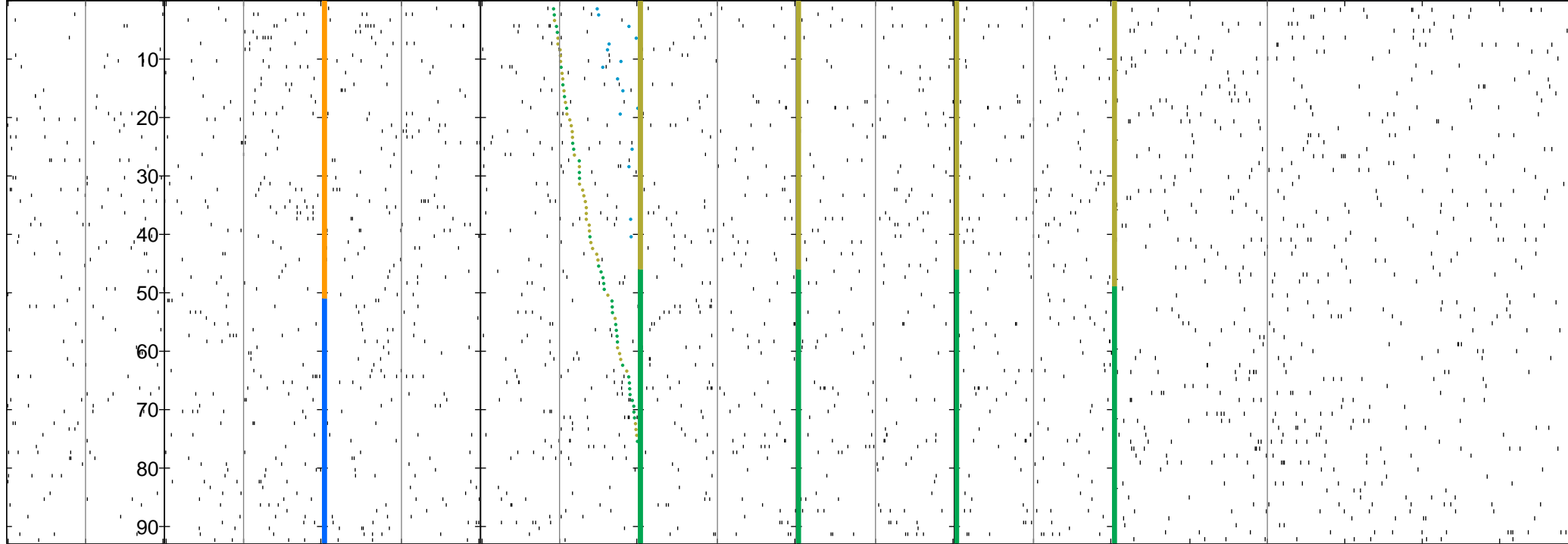
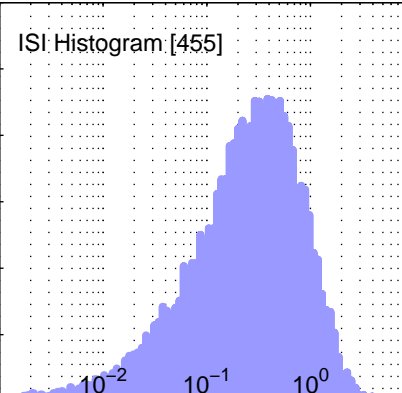
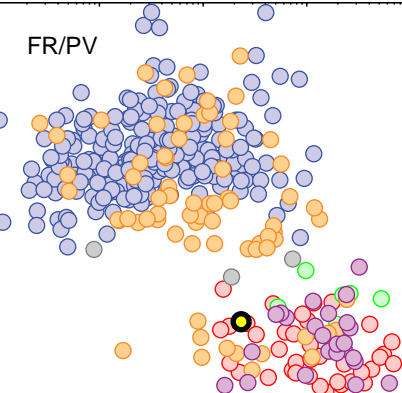
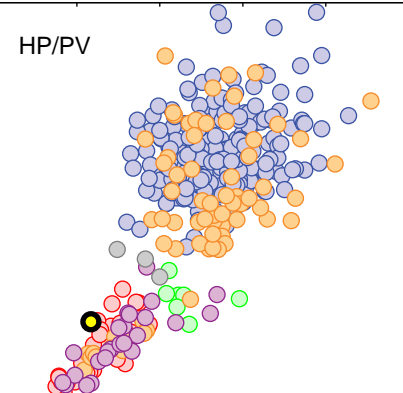
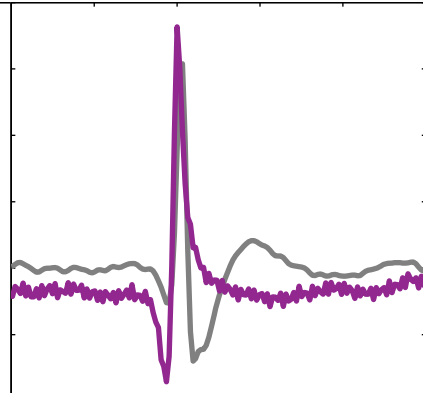
β_T : -1.8 β_D : 2.1

β_P : -3.1 SI: NaN

Session FR: 2.33 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 5.71Hz (-0.1s) GP



Cell: C1220071117T11a

AP: -2.8 ML: 4.2 DV: 7.4

w: 3 n: 117654 $P_{ISI>2}$: 0.0003

1/2pw: 96 μ s p \rightarrow v: 251 μ s

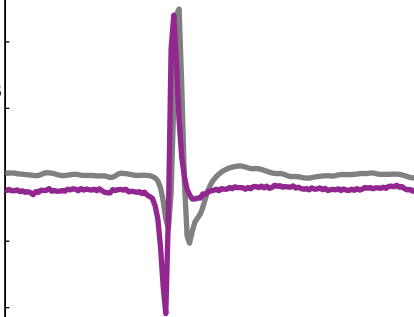
β_T : -3.4 β_D : -7.8

β_P : -3.6 SI: -0.32

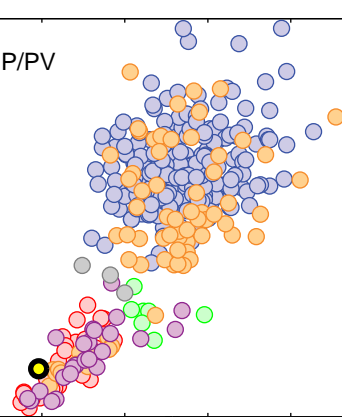
Session FR: 19.6 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

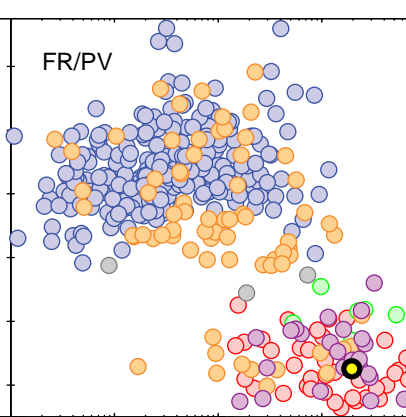
Pk FR: 83.5Hz (0.05s) GP



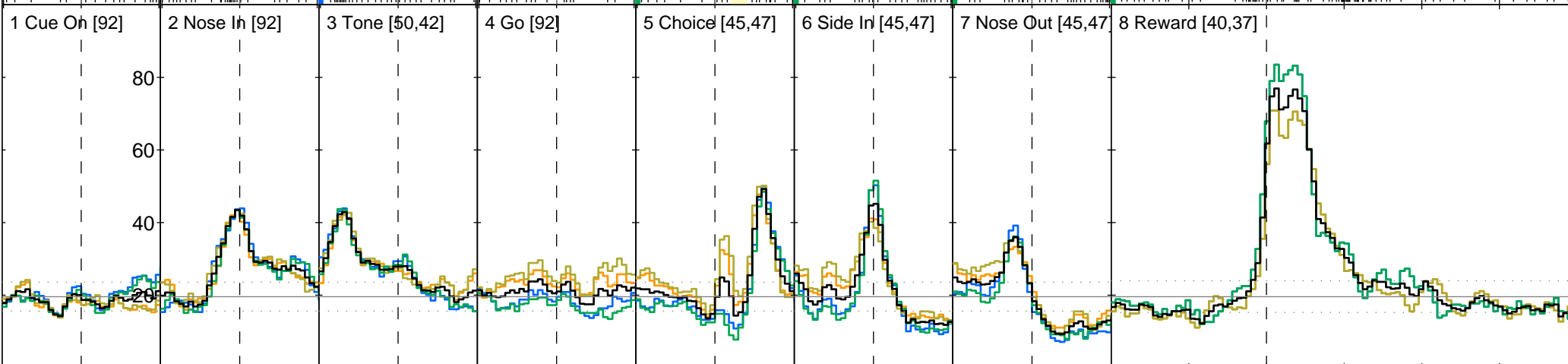
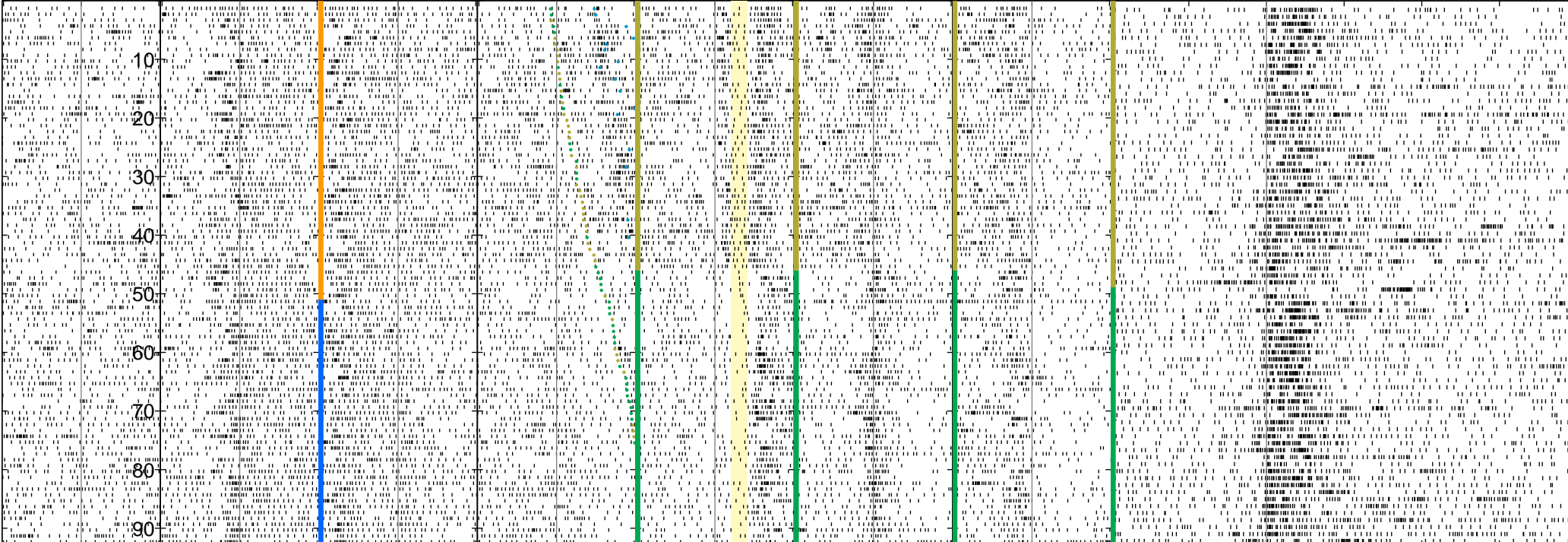
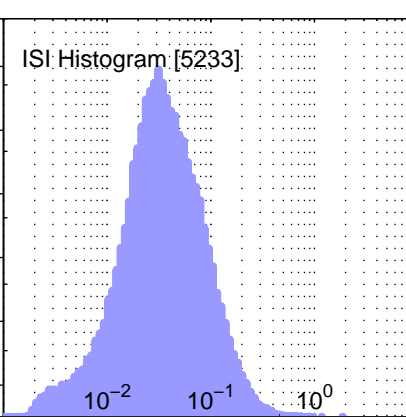
HP/PV



FR/PV



ISI Histogram [5233]



Cell: C0320070623T15a

AP: -2.3 ML: 4.6 DV: 7.1

w: 3 n: 74788 $P_{ISI>2}$: 0.0011

1/2pw: 152 μ s p->v: 278 μ s

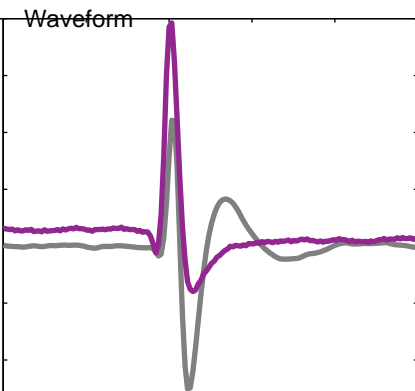
β_T : -3.6 β_D : 9.6

β_P : -4.4 SI: 0.94

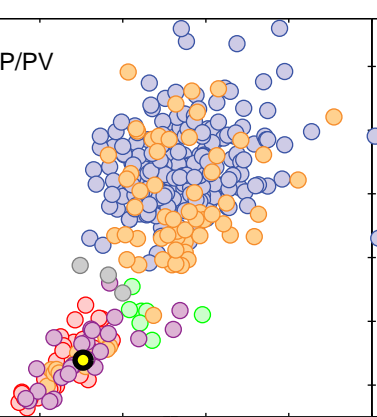
Session FR: 19.7 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

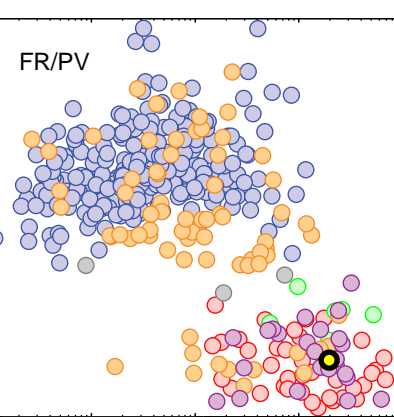
Pk FR: 53.9Hz (0.11s) GP



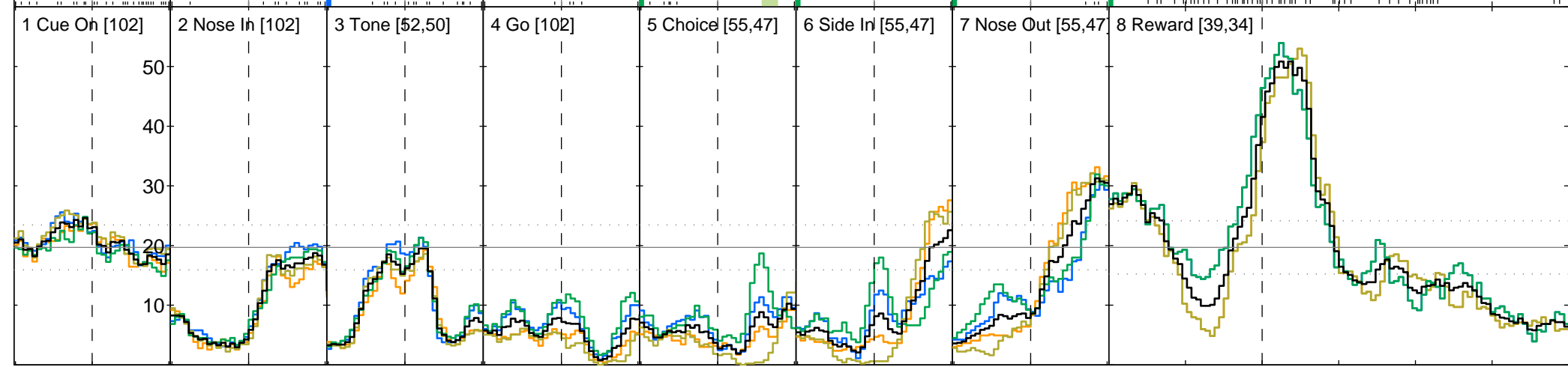
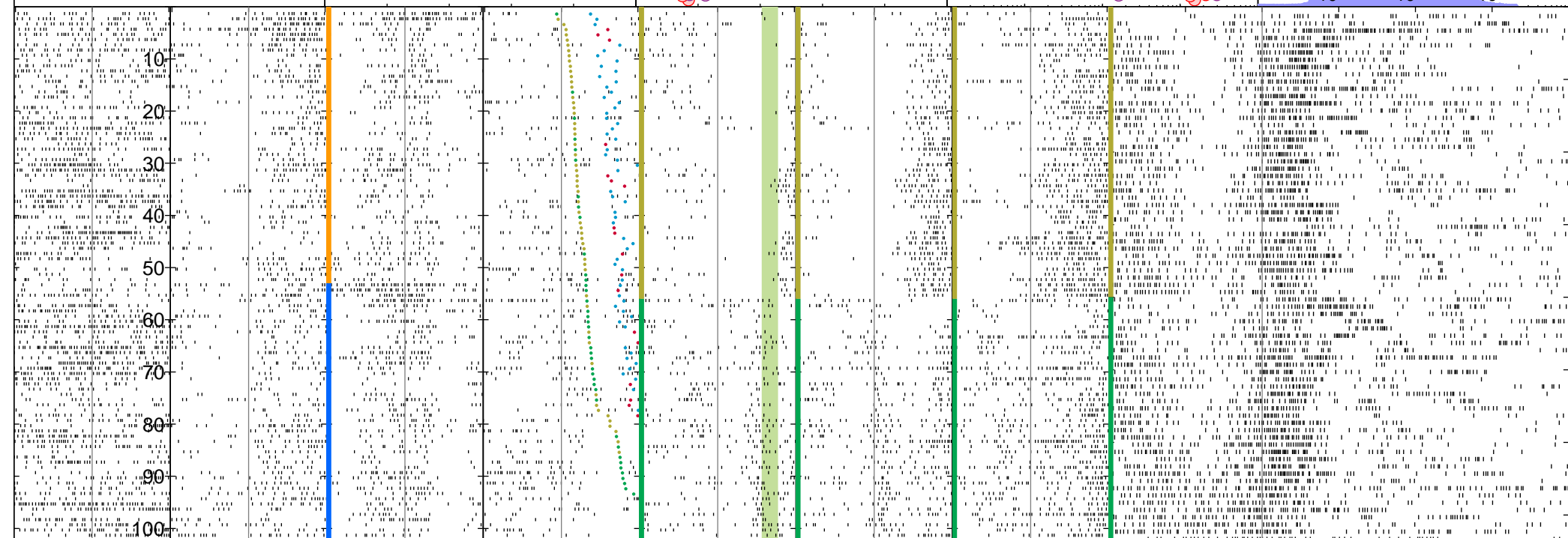
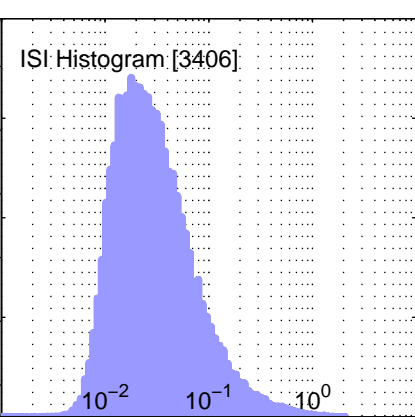
HP/PV



FR/PV



ISI Histogram [3406]



Cell: C0520070417R03b

AP: -2.5 ML: 4.1 DV: 6.2

w: 1 n: 31680 $P_{ISI>2}$: 0.021

1/2pw: 98 μ s p->v: 181 μ s

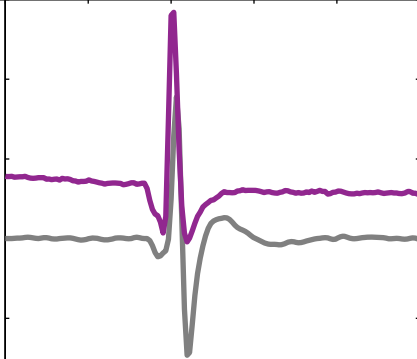
β_T : 3.8 β_D : -4.1

β_P : 4.5 SI: -0.51

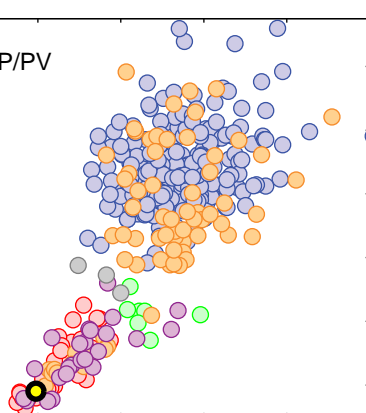
Session FR: 9.72 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

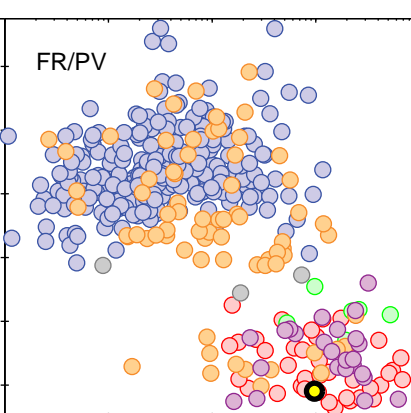
Pk FR: 22.5Hz (0.2s) GP



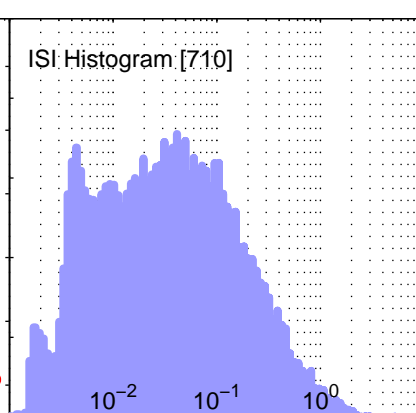
HP/PV



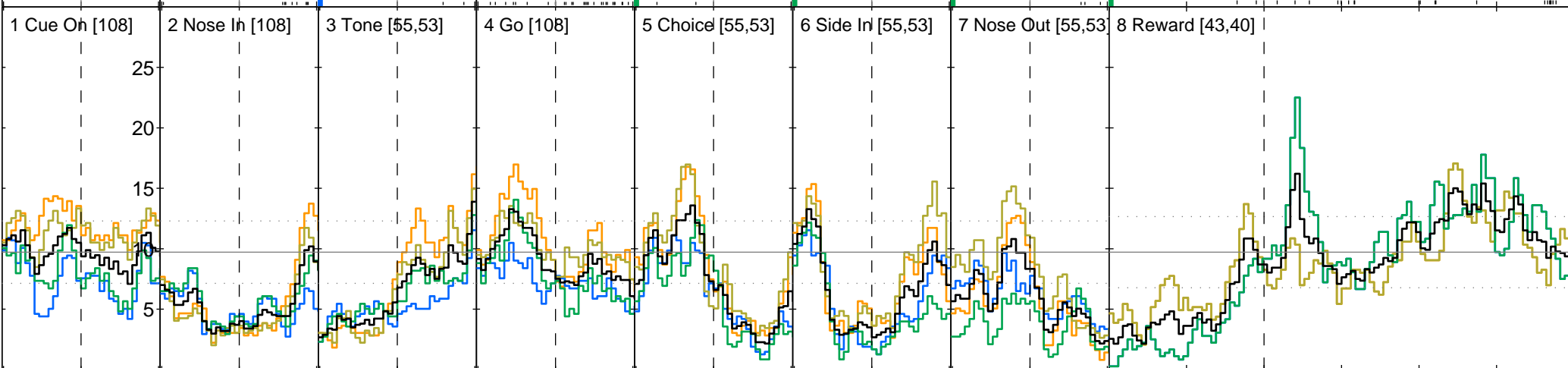
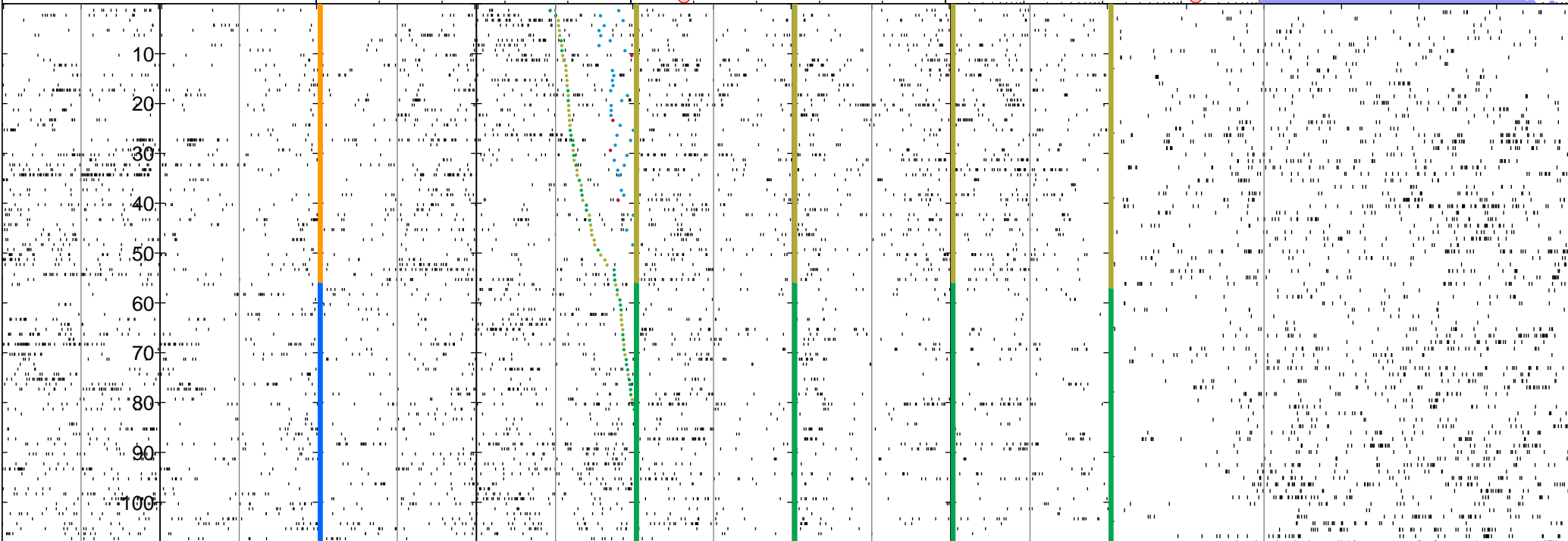
FR/PV



ISI Histogram [710]



10⁻² 10⁻¹ 10⁰



1 Cue On [108]

2 Nose In [108]

3 Tone [55,53]

4 Go [108]

5 Choice [55,53]

6 Side In [55,53]

7 Nose Out [55,53]

8 Reward [43,40]

Cell: C0320070623T15c

AP: -2.3 ML: 4.6 DV: 7.1

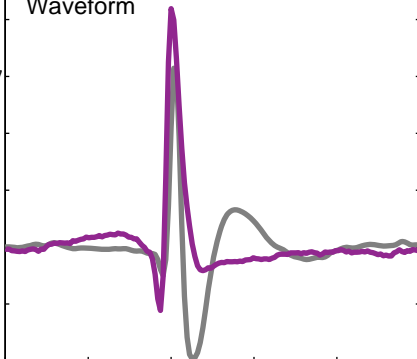
w: 4 n: 21411 $P_{ISI>2}$: 0.00471/2pw: 162 μ s p \rightarrow v: 376 μ s β_T : -2.2 β_D : -2.5 β_P : 3.6 SI: -0.49

Session FR: 5.63 Hz

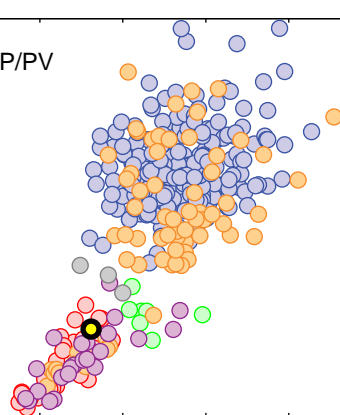
Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 17.3Hz (0.23s) **GP**

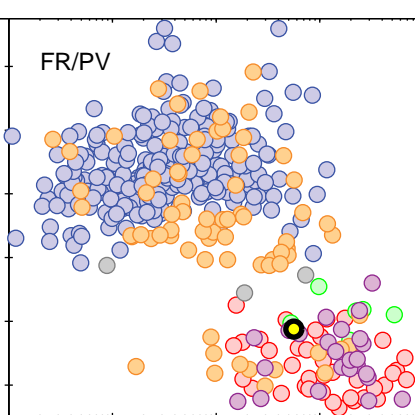
Waveform



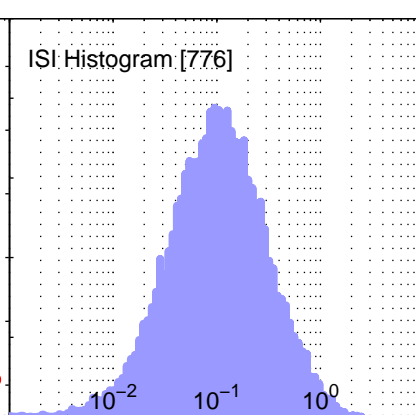
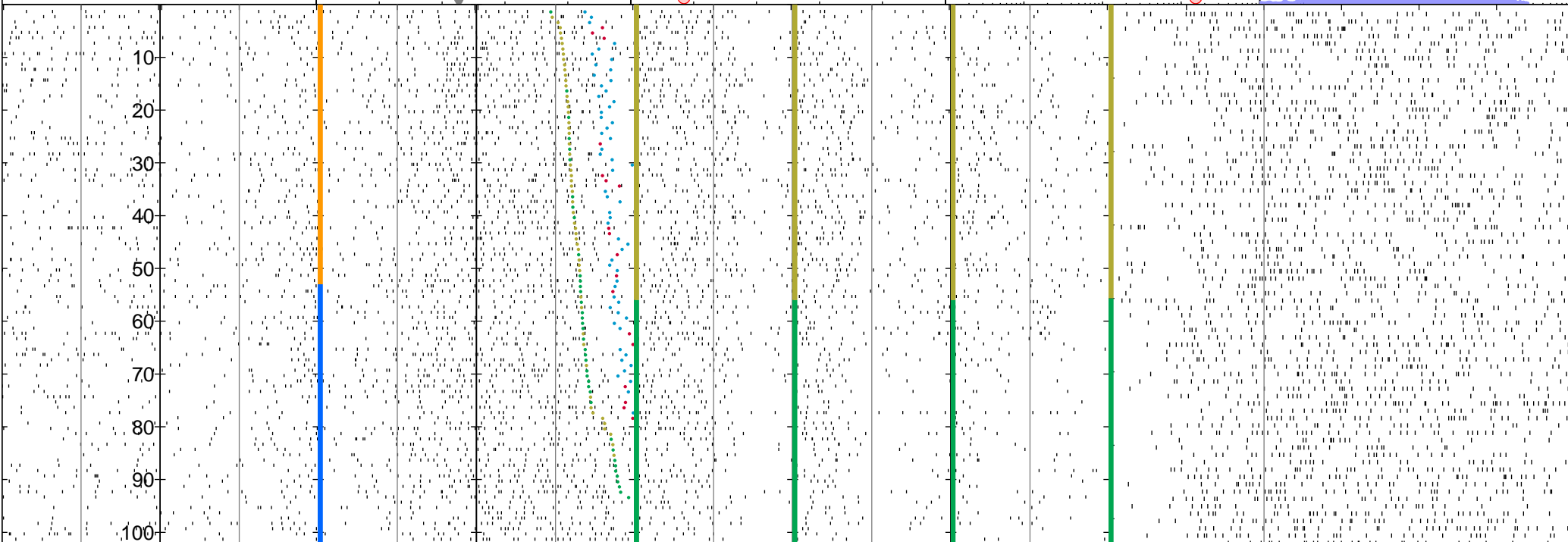
HP/PV



FR/PV



ISI Histogram [776]

10
20
30
40
50
60
70
80
90
100

1 Cue On [102]

2 Nose In [102]

3 Tone [52,50]

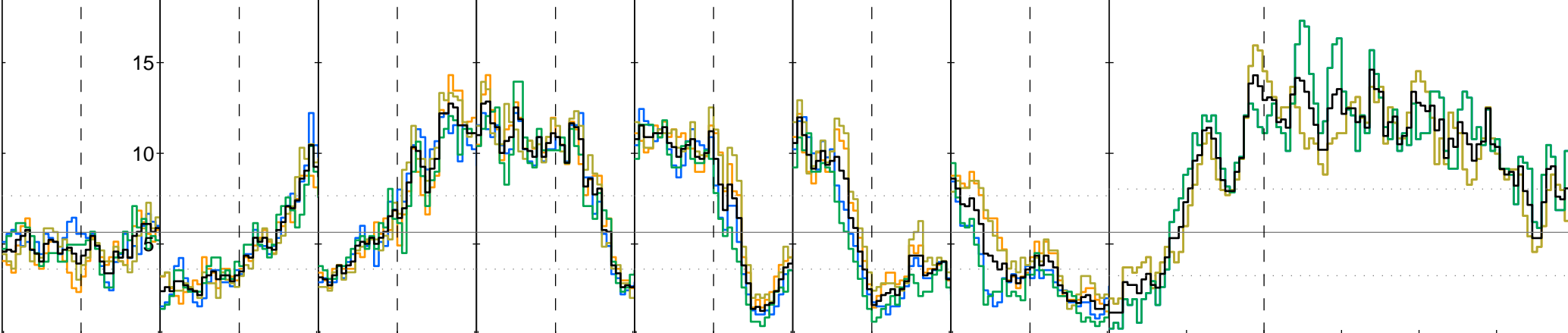
4 Go [102]

5 Choice [55,47]

6 Side In [55,47]

7 Nose Out [55,47]

8 Reward [39,34]

15
10
5

Cell: C1220071121T11a

AP: -2.8 ML: 4.2 DV: 7.6

w: 1 n: 139522 $P_{ISI>2}$: 0

1/2pw: 157 μ s p->v: 282 μ s

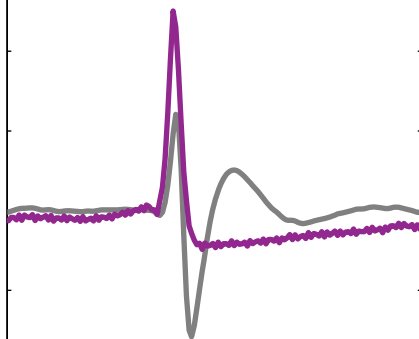
β_T : -2.4 β_D : 2.1

β_P : -3.8 SI: -0.2

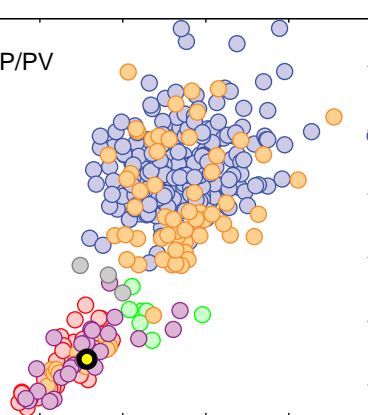
Session FR: 23 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

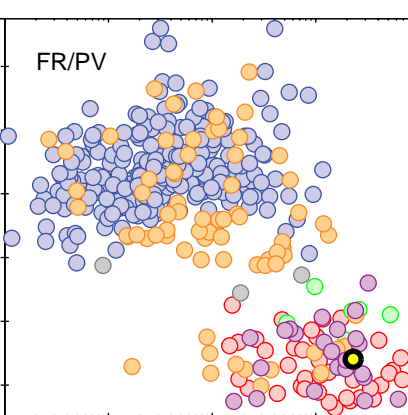
Pk FR: 33.6Hz (0.35s) GP



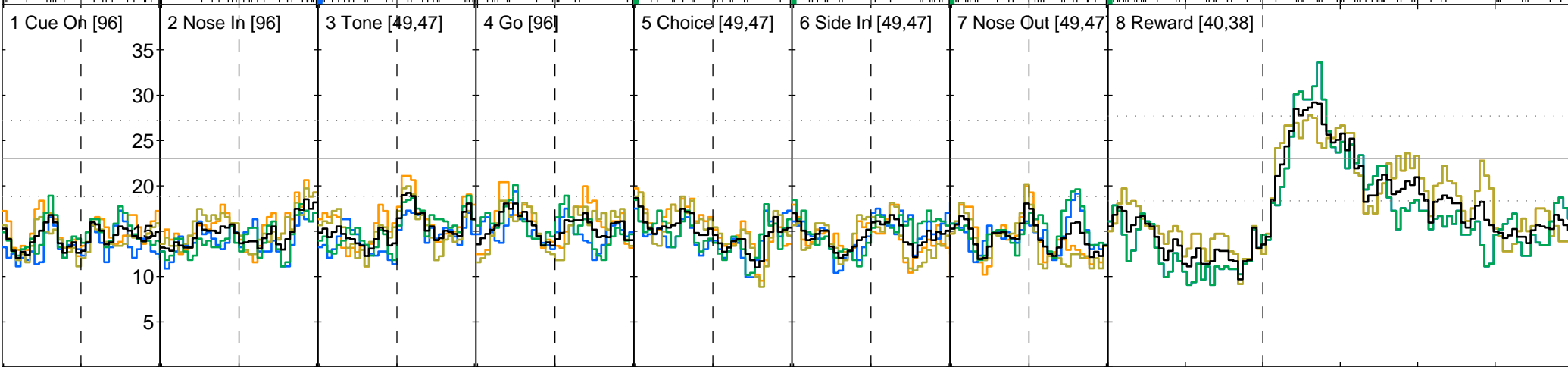
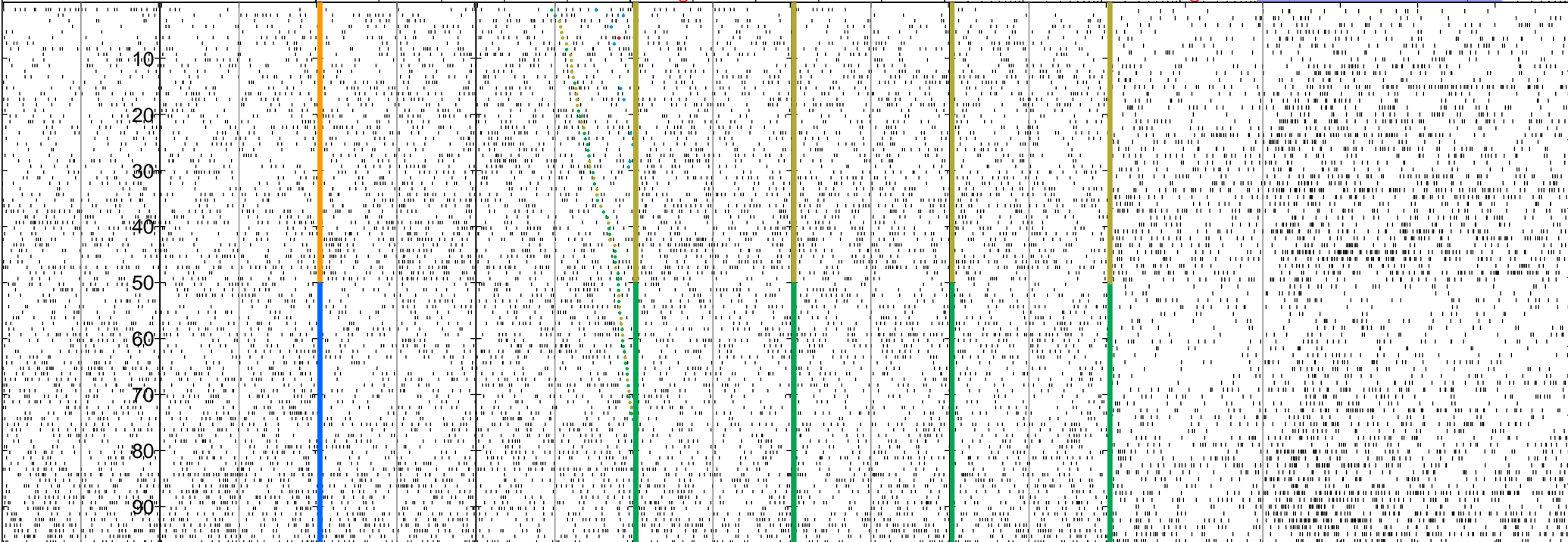
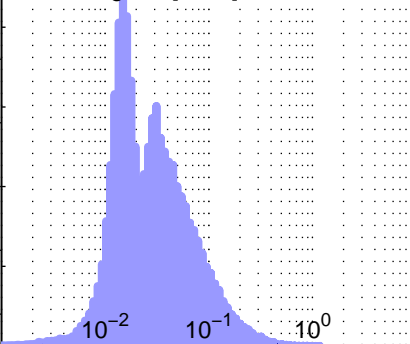
HP/PV



FR/PV



ISI Histogram [8903]



Cell: C0520070416R03a

AP: -2.5 ML: 4.1 DV: 6.2

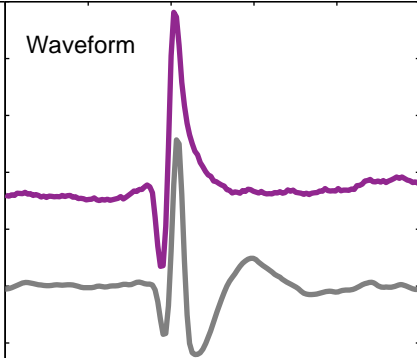
w: 1 n: 22367 $P_{ISI>2}$: 0.0991/2pw: 163 μ s p \rightarrow v: 372 μ s β_T : 2.7 β_D : -6.1 β_P : 4 SI: -1

Session FR: 5.04 Hz

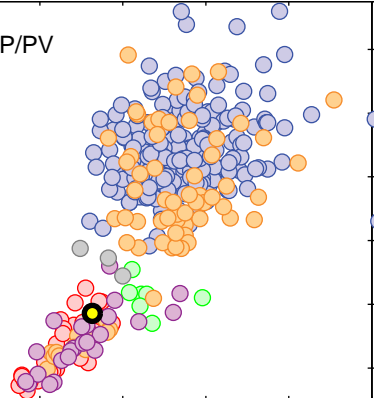
Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 13.6Hz (0.8s) GP

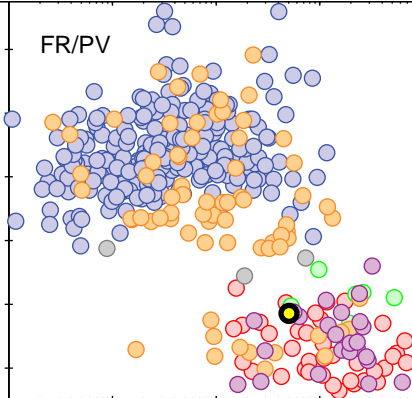
Waveform



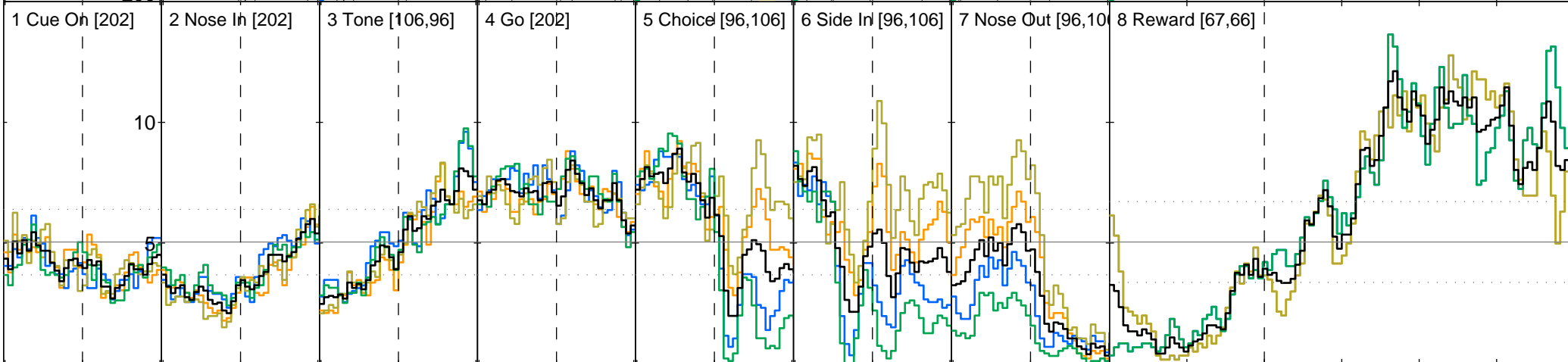
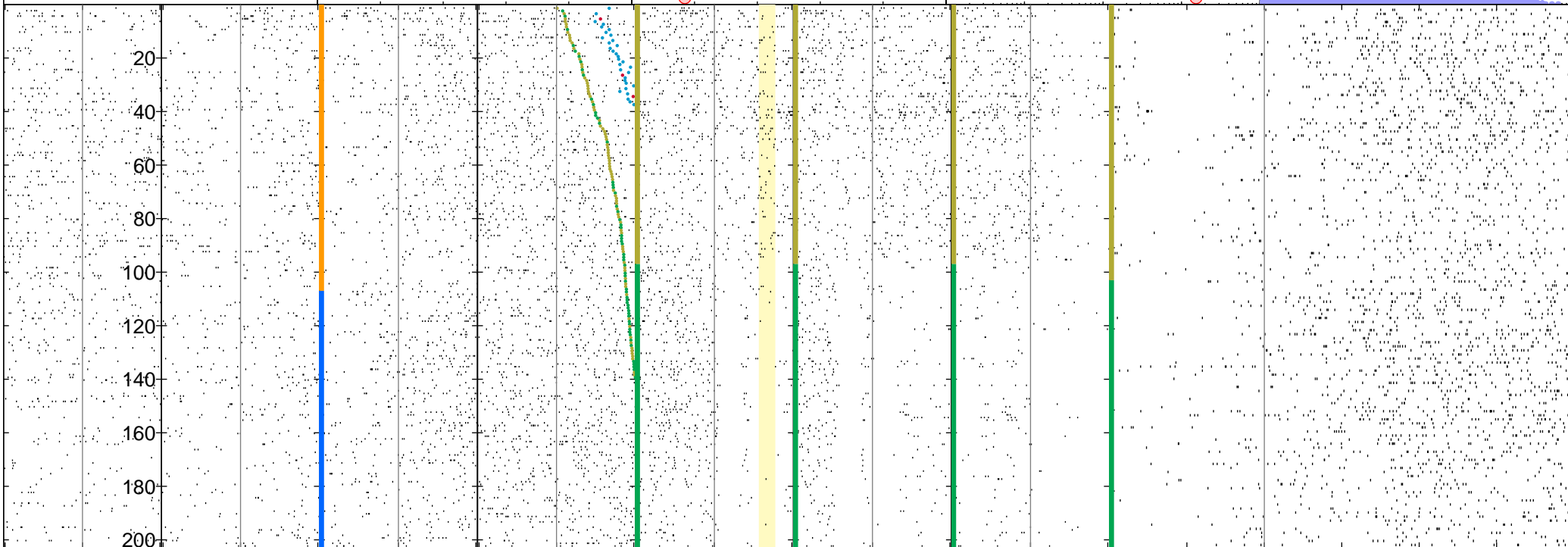
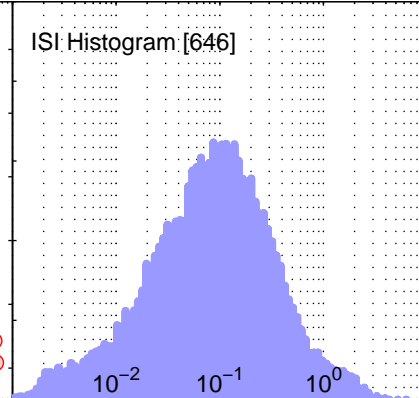
HP/PV



FR/PV



ISI Histogram [646]



Cell: C0520070406R03b

AP: -2.5 ML: 4.1 DV: 5.6

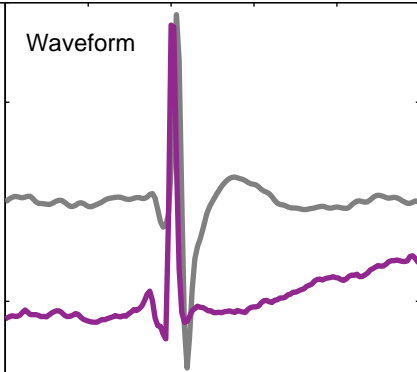
w: 1 n: 11792 $P_{ISI>2}$: 0.171/2pw: 83 μ s p \rightarrow v: 158 μ s β_T : -2.4 β_D : -3.2 β_P : 2.9 SI: NaN

Session FR: 2.71 Hz

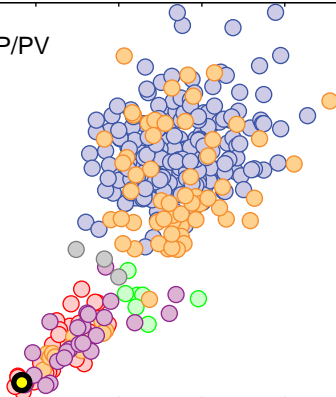
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 8.02Hz (1.04s) GP

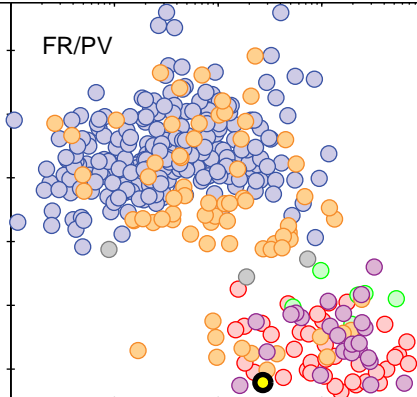
Waveform



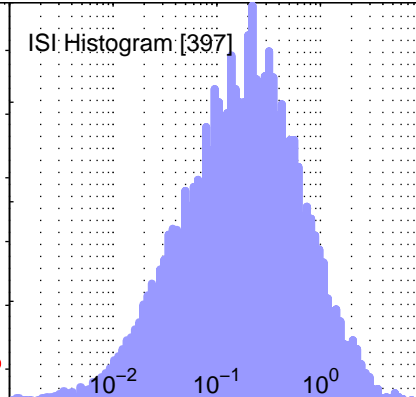
HP/PV



FR/PV



ISI Histogram [397]



50

100

150

1 Cue On [151]

2 Nose In [151]

3 Tone [67,84]

4 Go [151]

5 Choice [75,76]

6 Side In [75,76]

7 Nose Out [75,76]

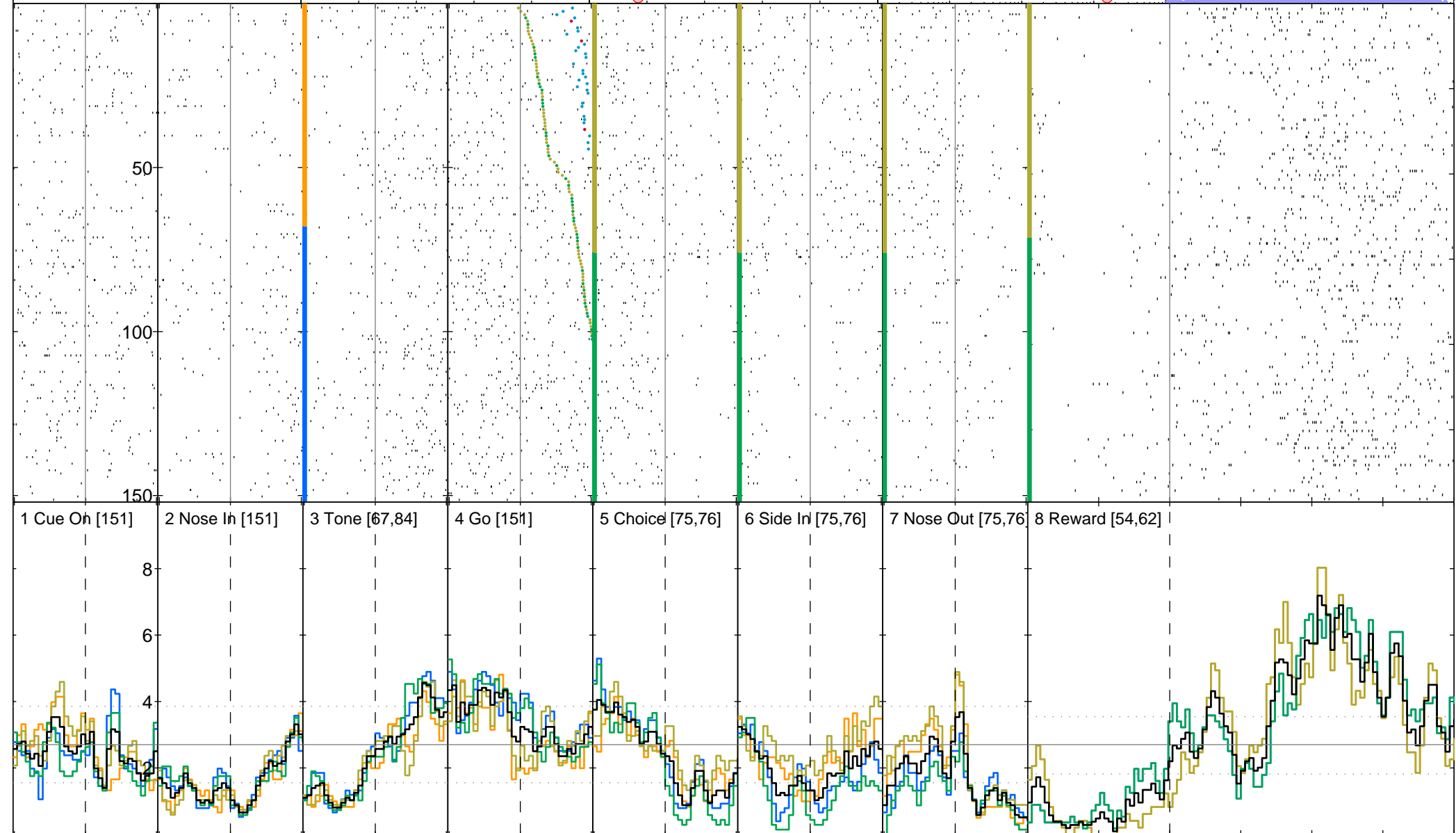
8 Reward [54,62]

8

6

4

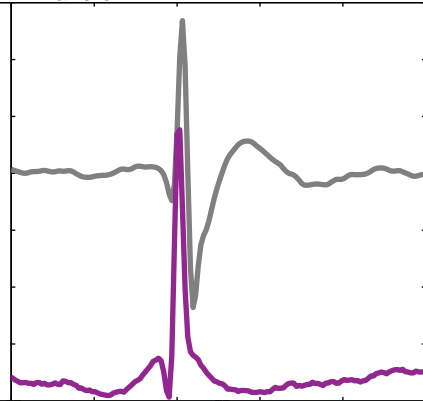
2



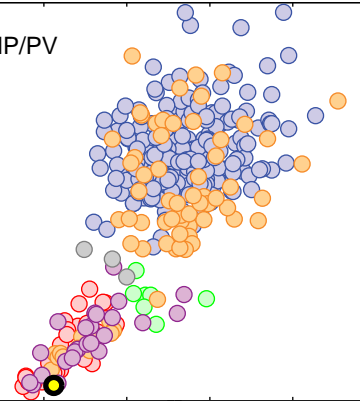
Cell: C0520070405R03a

AP: -2.5 ML: 4.1 DV: 5.5
w: 2 n: 7168 $P_{ISI>2}$: 0.19
1/2pw: 112 μ s p->v: 149 μ s
 β_T : 2.9 β_D : 1.9
 β_P : 3.2 SI: NaN
Session FR: 1.63 Hz
Pk Ev: None
Pk FR: --

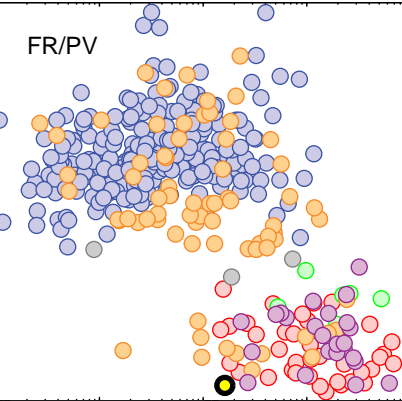
GP



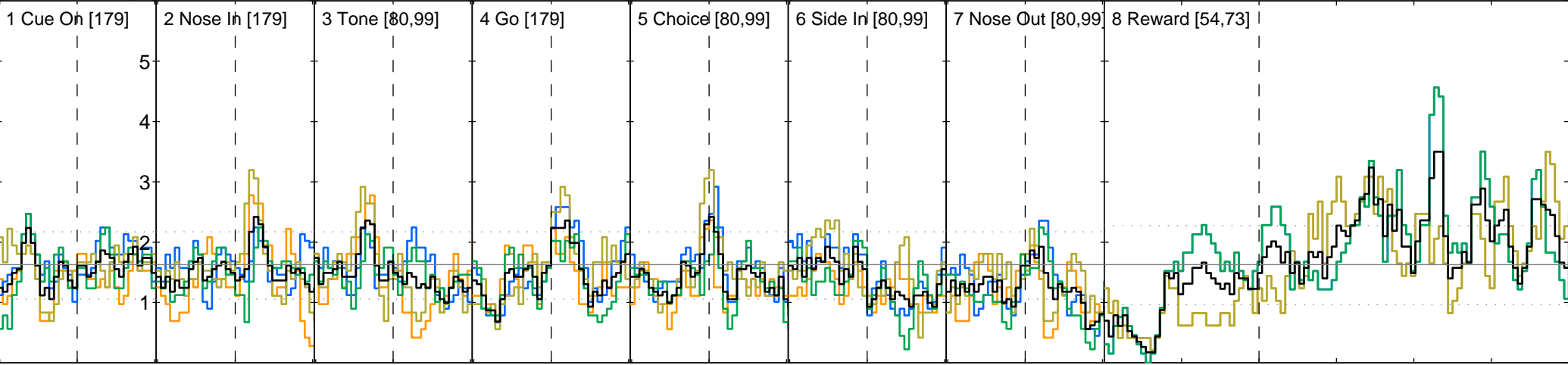
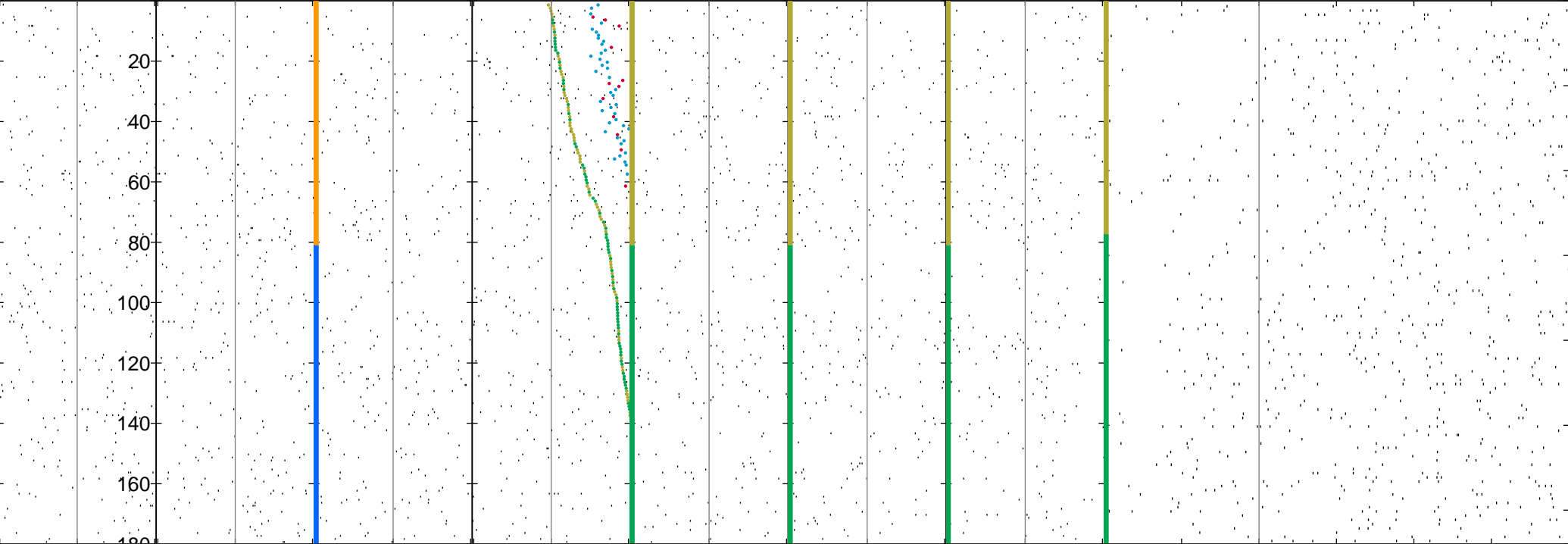
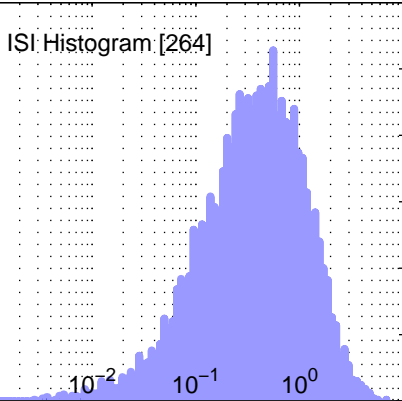
HP/PV



FR/PV



ISI Histogram [264]



Cell: C1220071025T11a

AP: -2.8 ML: 4.2 DV: 6.8

w: 1 n: 12637 $P_{ISI>2}$: 0.45

1/2pw: 200 μ s p->v: 490 μ s

β_T : 4.8 β_D : -4.3

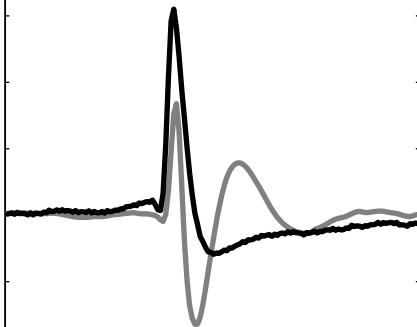
β_P : 3.4 SI: -0.46

Session FR: 1.87 Hz

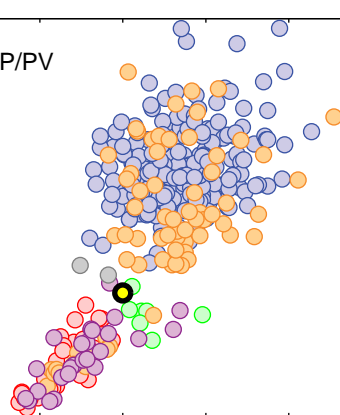
Pk Ev: 5 - Choice (Tone2)

Pk FR: 9.09Hz (0.33s) Unc

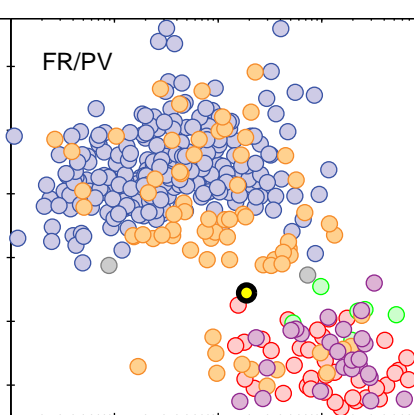
Waveform



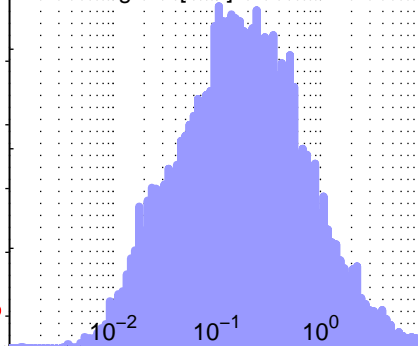
HP/PV



FR/PV



ISI Histogram [343]



10

20

30

40

50

60

70

1 Cue On [77]

2 Nose In [77]

3 Tone [44,33]

4 Go [77]

5 Choice [38,39]

6 Side In [38,39]

7 Nose Out [38,39]

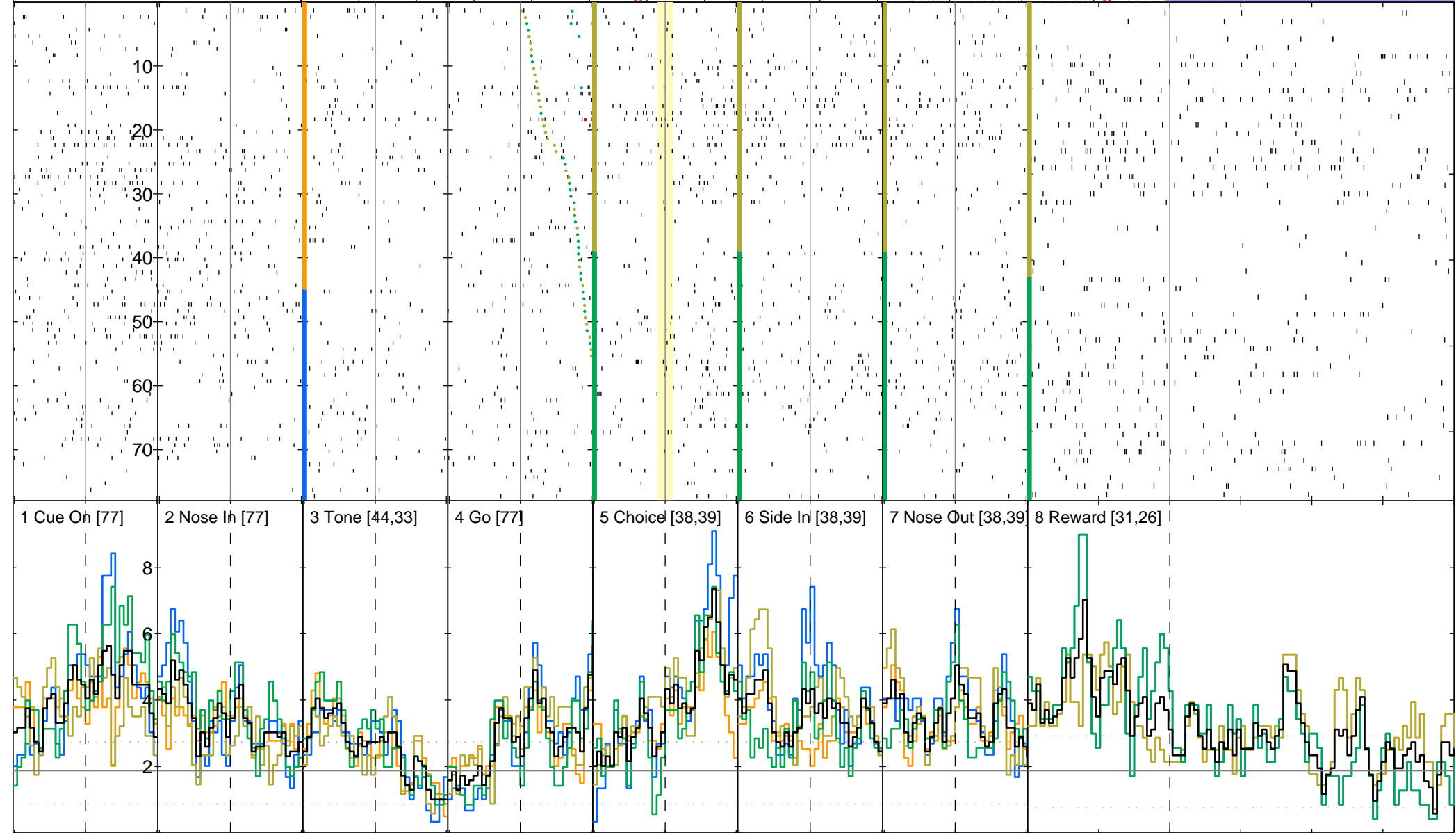
8 Reward [31,26]

8

6

4

2



Cell: C0320070624T06b

AP: 1.7 ML: 1.3 DV: 6.8

w: 4 n: 27455 $P_{ISI>2}$: 0.012

1/2pw: 182 μ s p \rightarrow v: 546 μ s

β_T : -3 β_D : 3.6

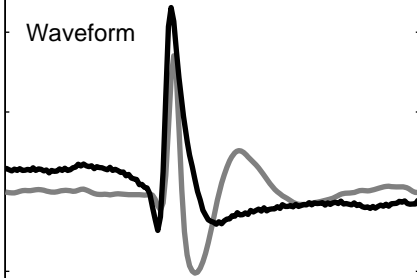
β_P : 3.6 SI: 0.47

Session FR: 7.34 Hz

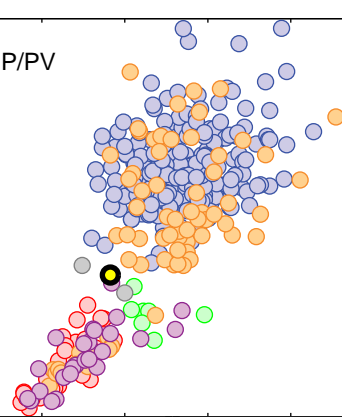
Pk Ev: 6 - Side In (Tone1)

Pk FR: 19.1Hz (0.66s) **Unc**

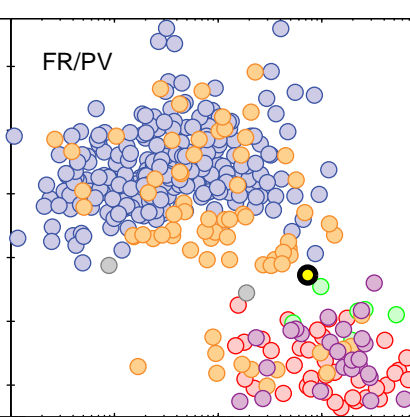
Waveform



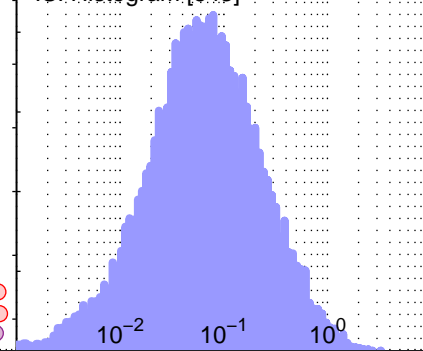
HP/PV



FR/PV

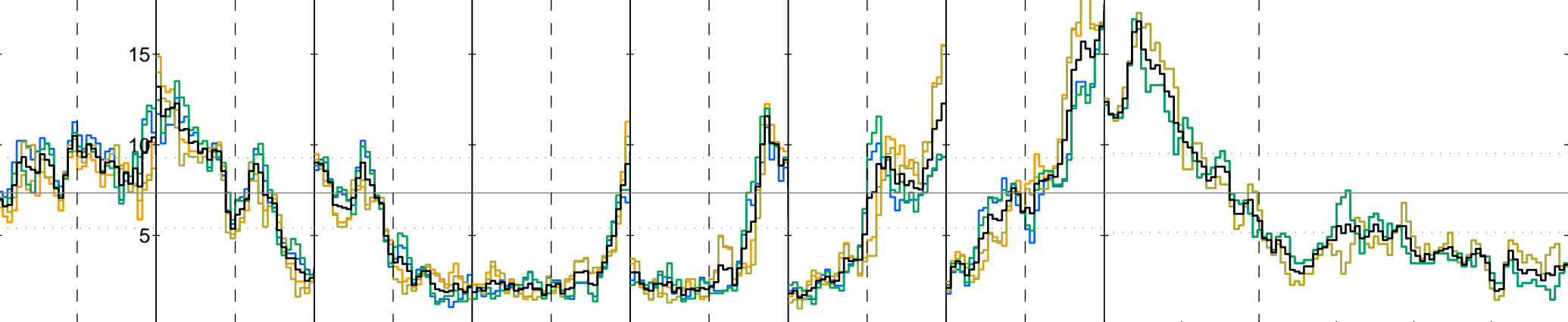


ISI Histogram [843]



20
40
60
80
100
120
140

1 Cue On [143] 2 Nose In [143] 3 Tone [68,75] 4 Go [148] 5 Choice [69,74] 6 Side In [69,74] 7 Nose Out [69,74] 8 Reward [54,61]



Cell: C0320070618T09h

AP: 1.6 ML: 3.7 DV: 4.9

w: 3 n: 24930 $P_{ISI>2}$: 0

1/2pw: 258 μ s p \rightarrow v: 2296 μ s

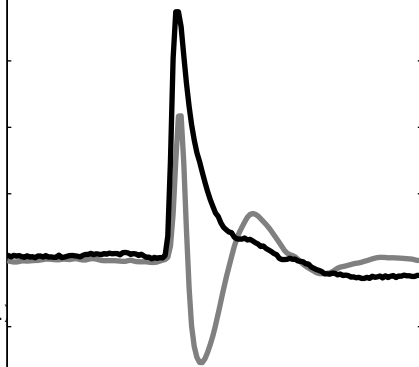
β_T : 2.9 β_D : -6.1

β_P : -2.7 SI: -0.68

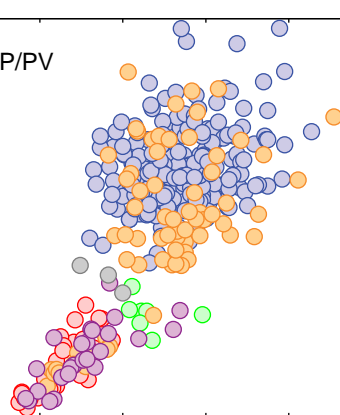
Session FR: 4.96 Hz

Pk Ev: 7 - Nose out (Contra)

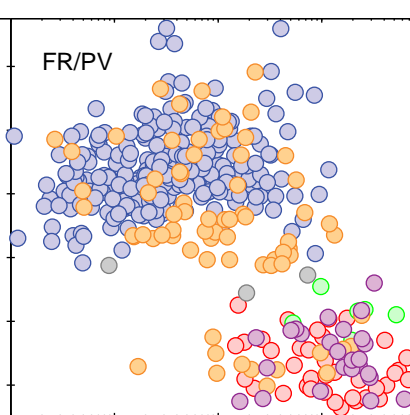
Pk FR: 11.4Hz (0.09s) **Unc**



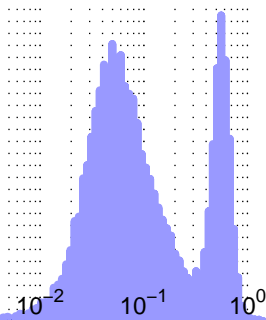
HP/PV



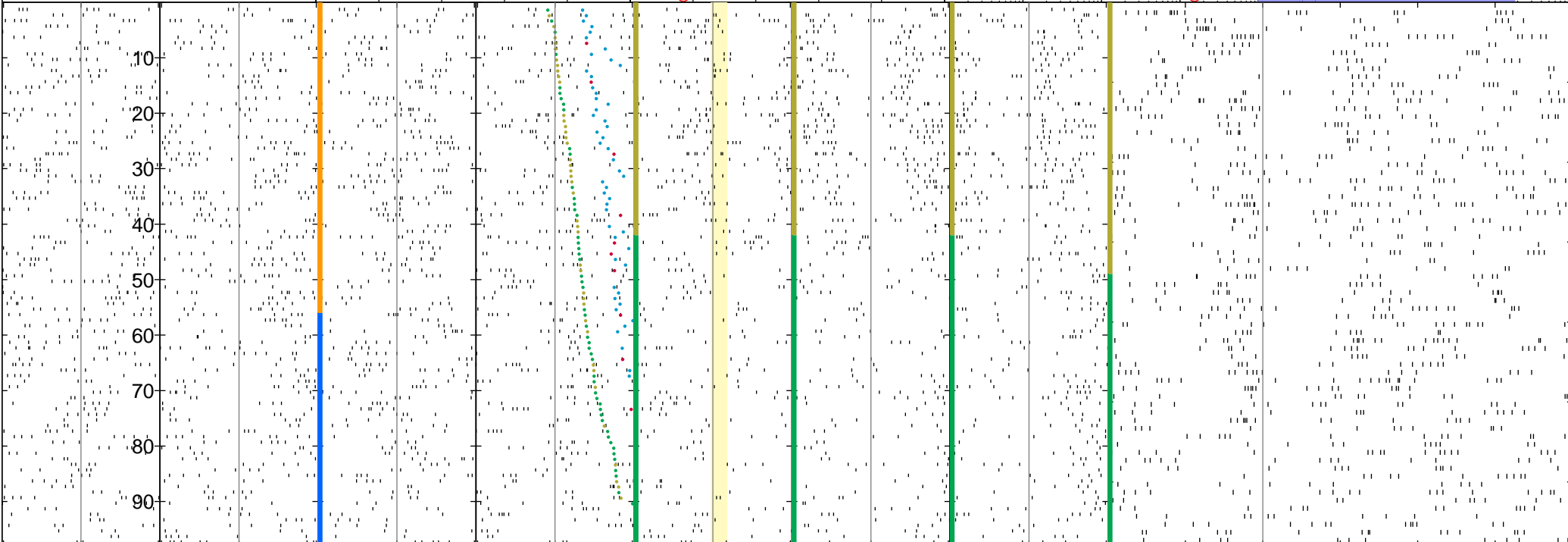
FR/PV



ISI Histogram [1154]



10
20
30
40
50
60
70
80
90



1 Cue On [97]

2 Nose In [97]

3 Tone [55,42]

4 Go [97]

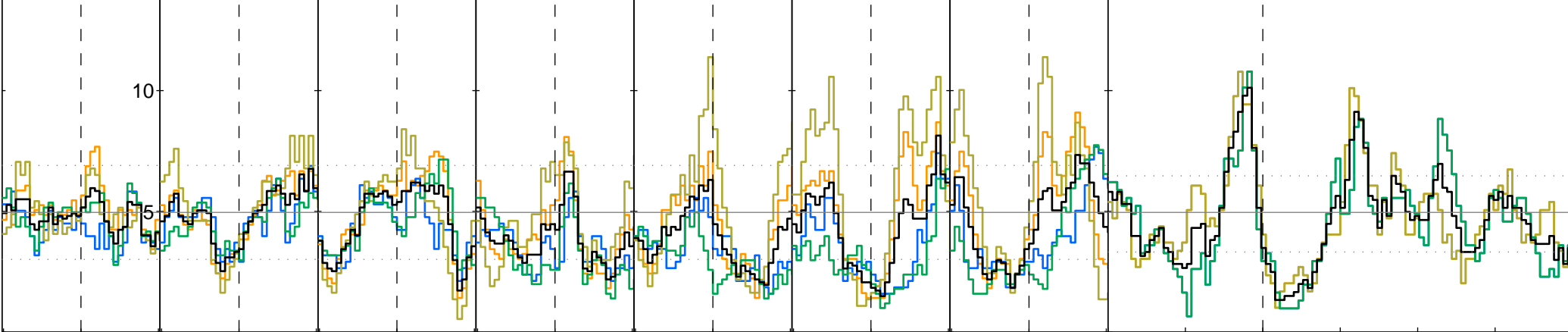
5 Choice [41,56]

6 Side In [41,56]

7 Nose Out [41,56]

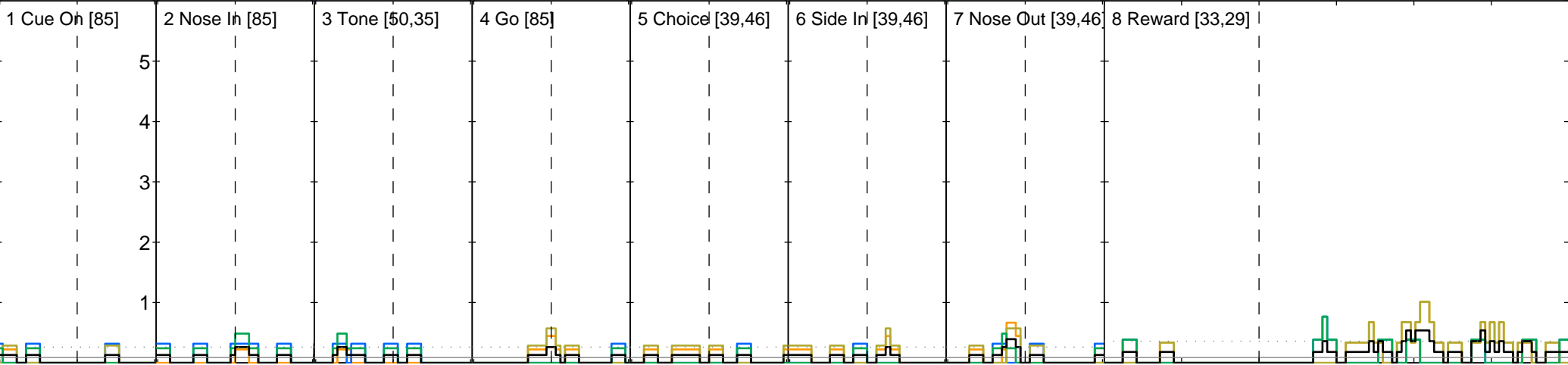
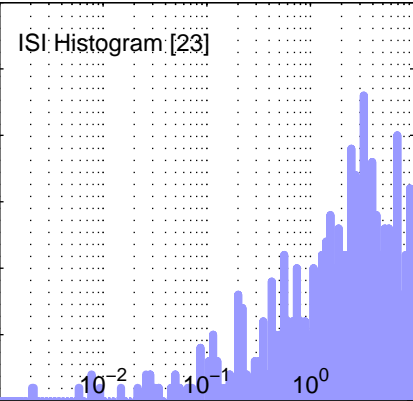
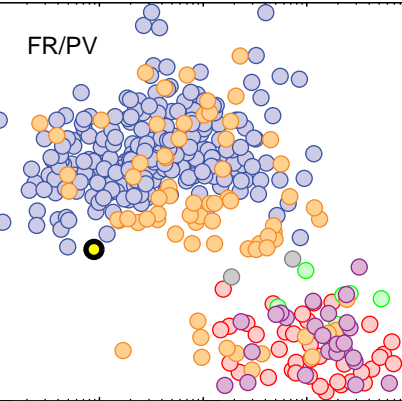
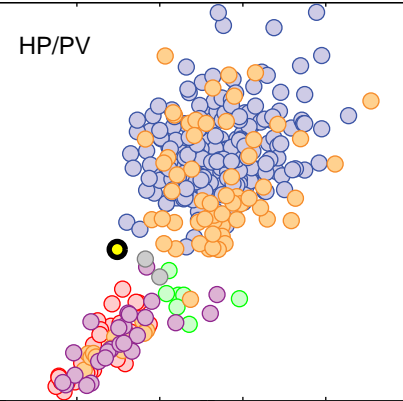
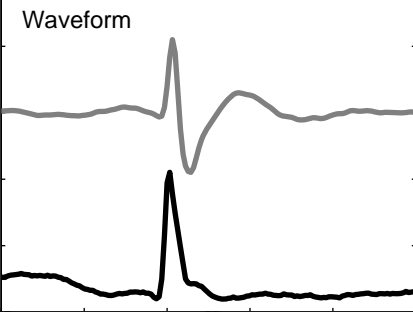
8 Reward [33,34]

10
5



Cell: C0320070611T15c

AP: -2.3 ML: 4.6 DV: 6
w: 3 n: 657 $P_{ISI>2}$: 0.98
1/2pw: 149 μ s p->v: 576 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0882 Hz
Pk Ev: None
Pk FR: --



Cell: C0420070314T05a

AP: 2.5 ML: 1.3 DV: 6.7

w: 2 n: 75101 $P_{ISI>2}$: 0.022

1/2pw: 256 μ s p \rightarrow v: 466 μ s

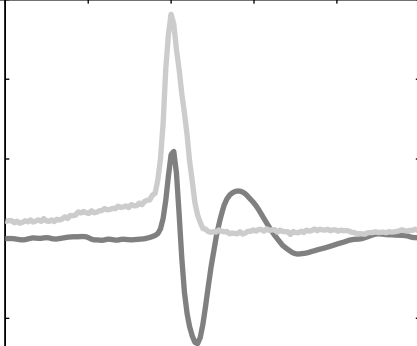
β_T : 2.4 β_D : -3.2

β_P : -3.8 SI: 0.42

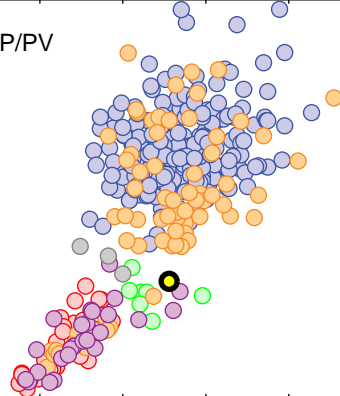
Session FR: 10.1 Hz

Pk Ev: 1 - Cue on (Ipsi)

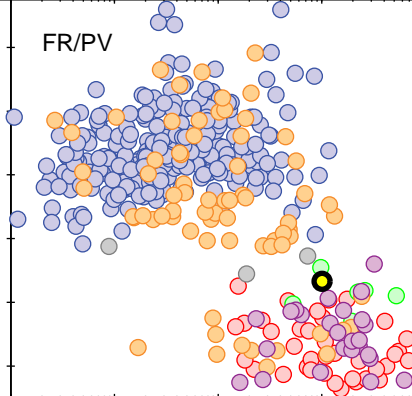
Pk FR: 19.8Hz (0.37s) Inv



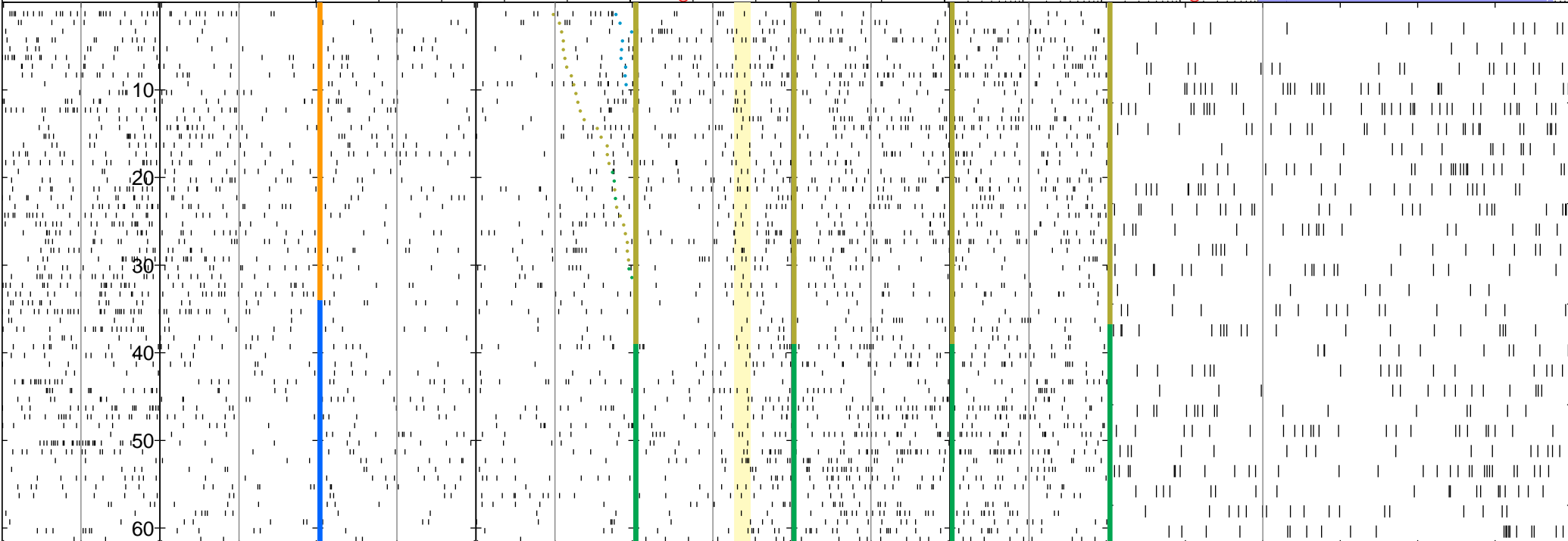
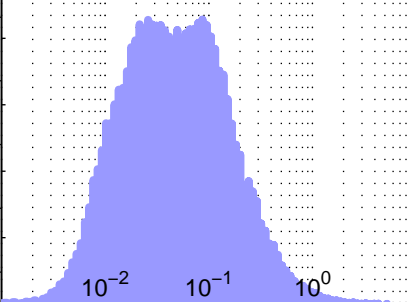
HP/PV



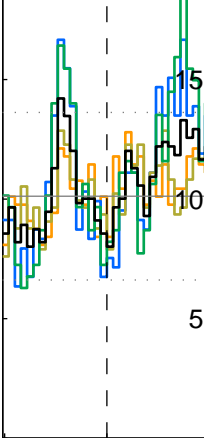
FR/PV



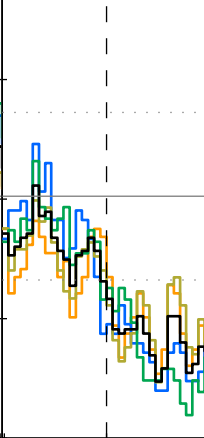
ISI Histogram [2140]



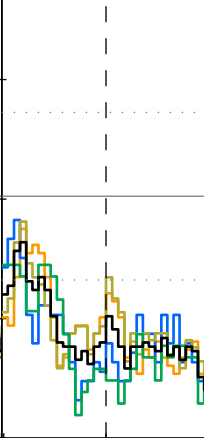
1 Cue On [61]



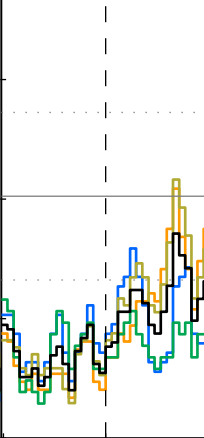
2 Nose In [61]



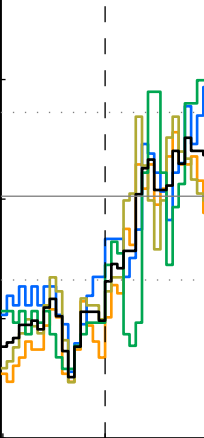
3 Tone [33,28]



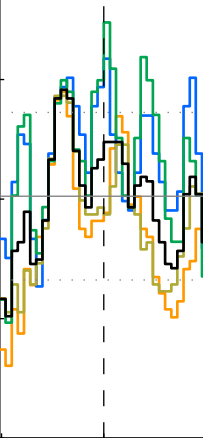
4 Go [61]



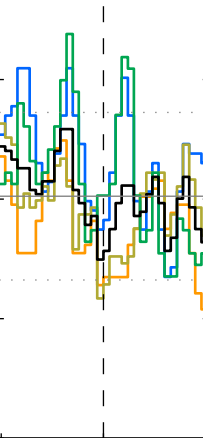
5 Choice [38,23]



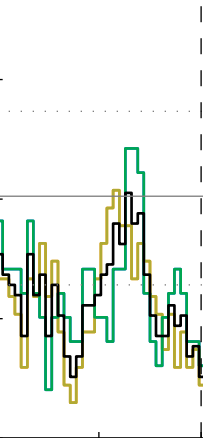
6 Side In [38,23]

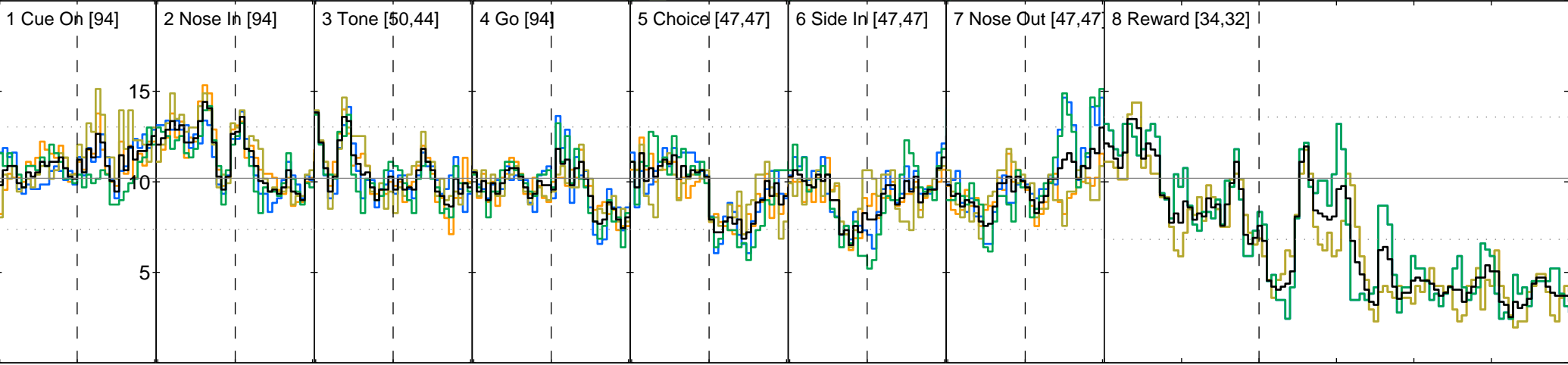
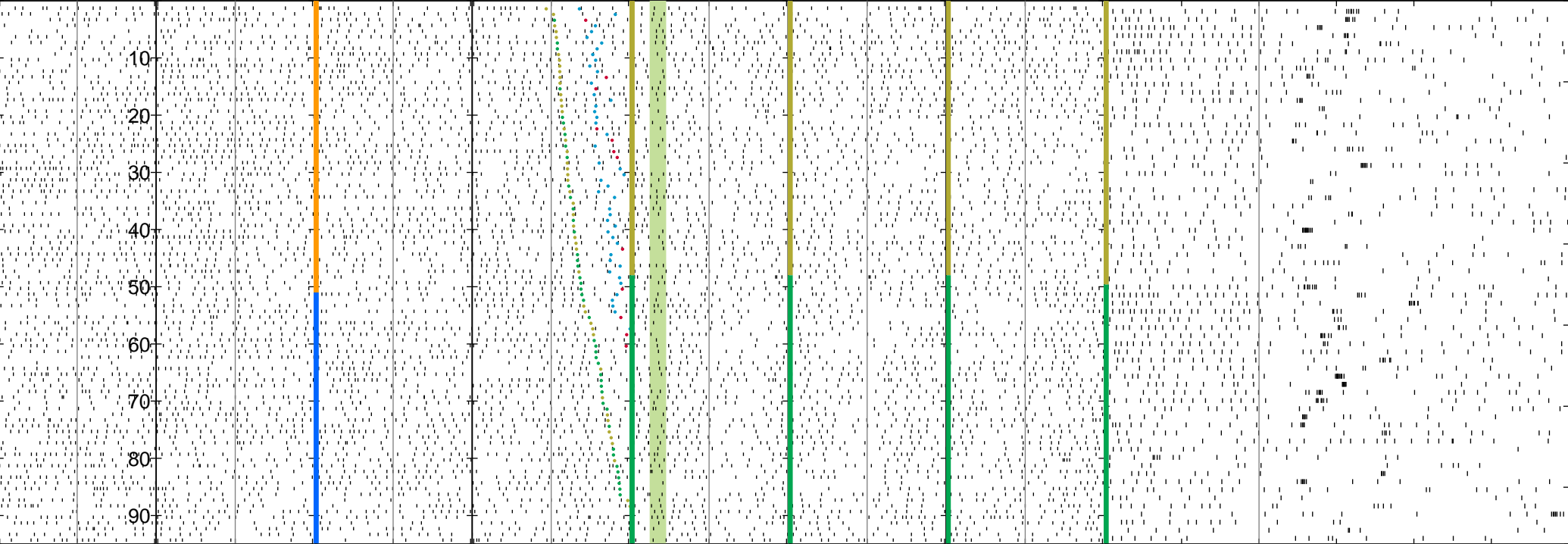
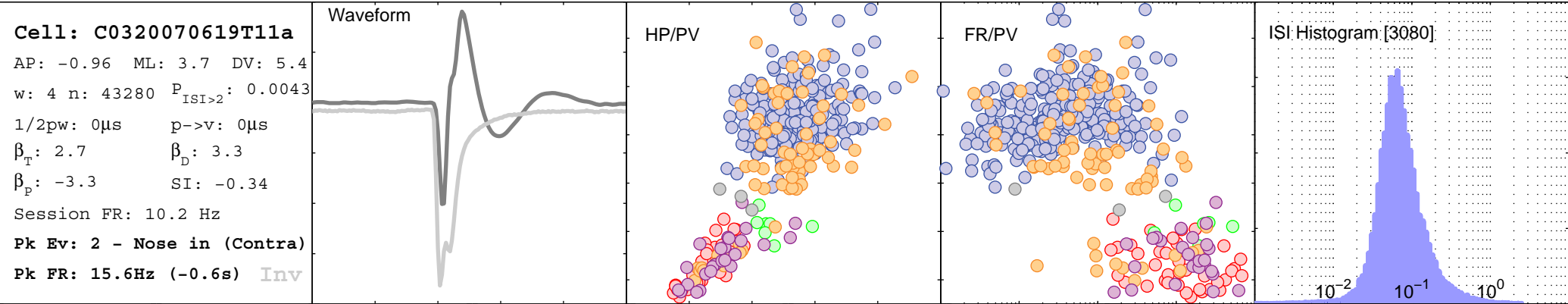


7 Nose Out [38,23]



8 Reward [15,11]





Cell: C0520070402R02a

AP: 0.24 ML: 4 DV: 6.2

w: 1 n: 29729 $P_{ISI>2}$: 0

1/2pw: 389 μ s p->v: 794 μ s

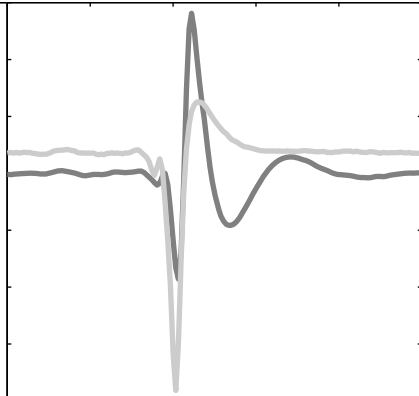
β_T : -2.5 β_D : 3.6

β_P : -3.3 SI: 0.28

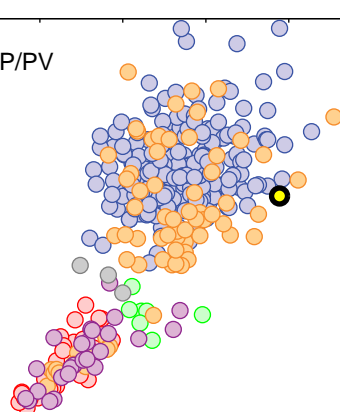
Session FR: 6.52 Hz

Pk Ev: 3 - Tone (Tone1)

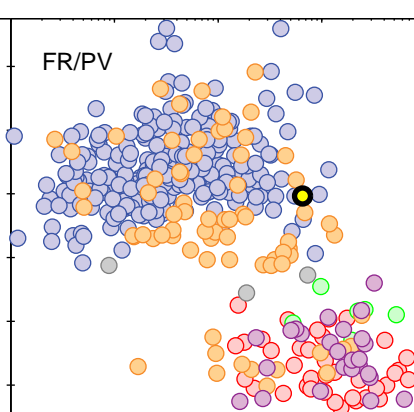
Pk FR: 18.1Hz (0.12s) Inv



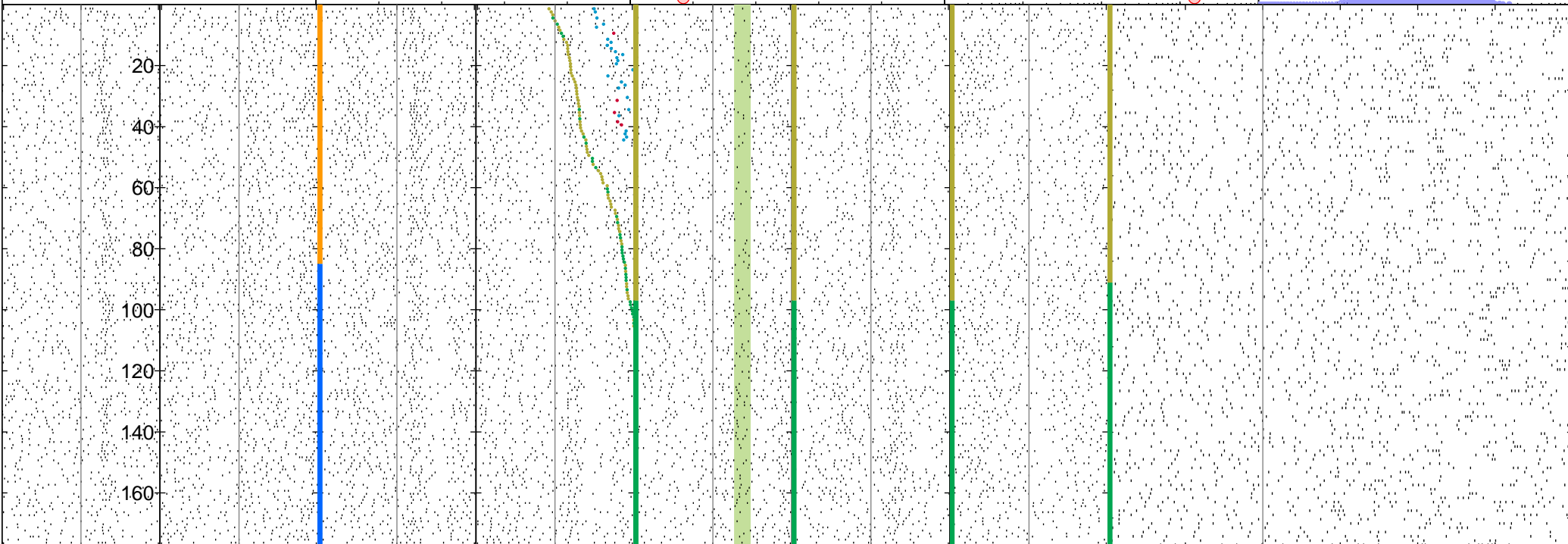
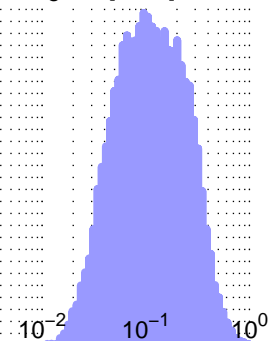
HP/PV



FR/PV



ISI Histogram [1254]



1 Cue On [177]

2 Nose In [177]

3 Tone [84,93]

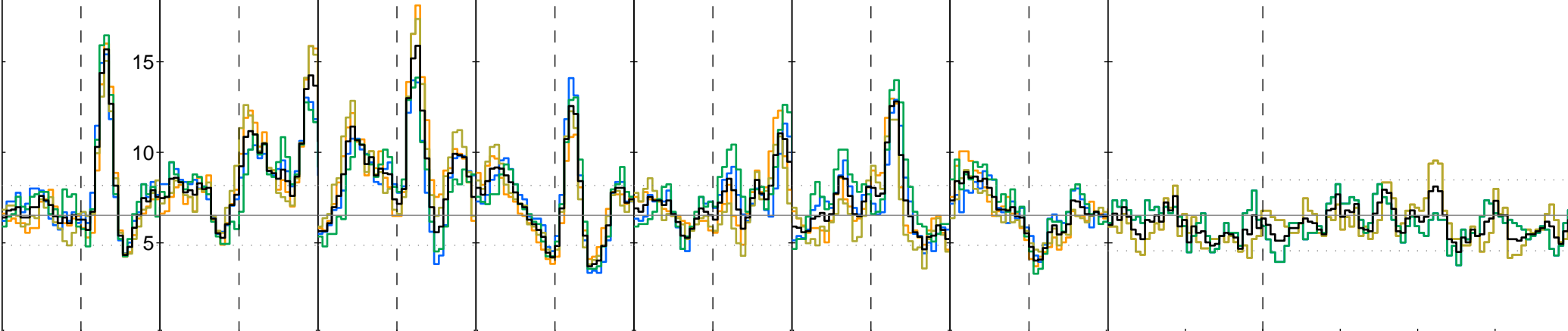
4 Go [177]

5 Choice [96,81]

6 Side In [96,81]

7 Nose Out [96,81]

8 Reward [64,62]



Cell: C1220071114T03b

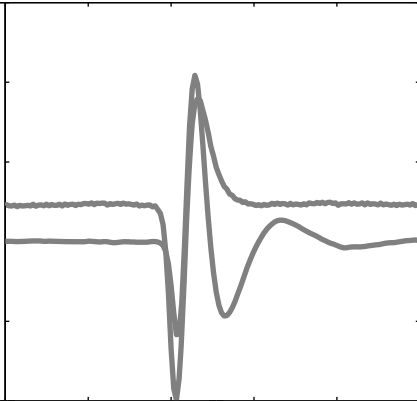
AP: 3.2 ML: 2.6 DV: 2.4

w: 1 n: 10715 $P_{ISI>2}$: 0.361/2pw: 270 μ s p->v: 542 μ s β_T : 2.1 β_D : 2.5 β_P : -2.5 SI: NaN

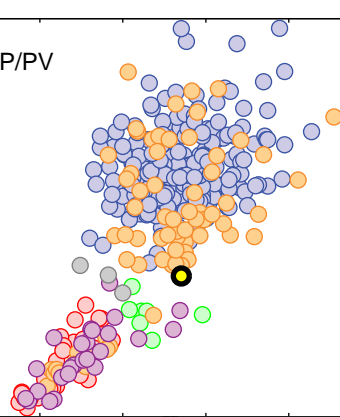
Session FR: 1.76 Hz

Pk Ev: 3 - Tone (Ipsi)

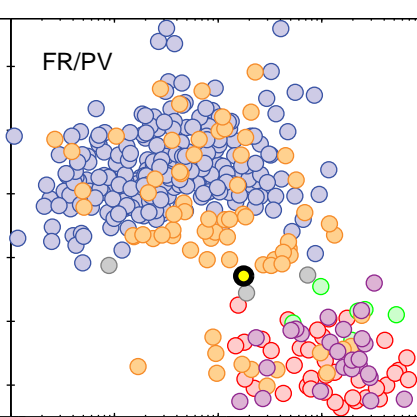
Pk FR: 10.2Hz (0.63s) Inv



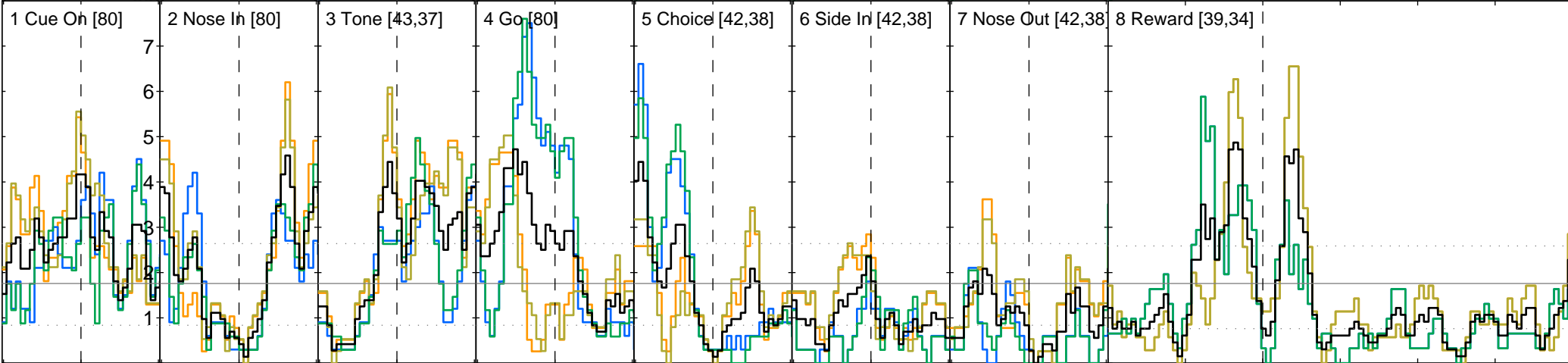
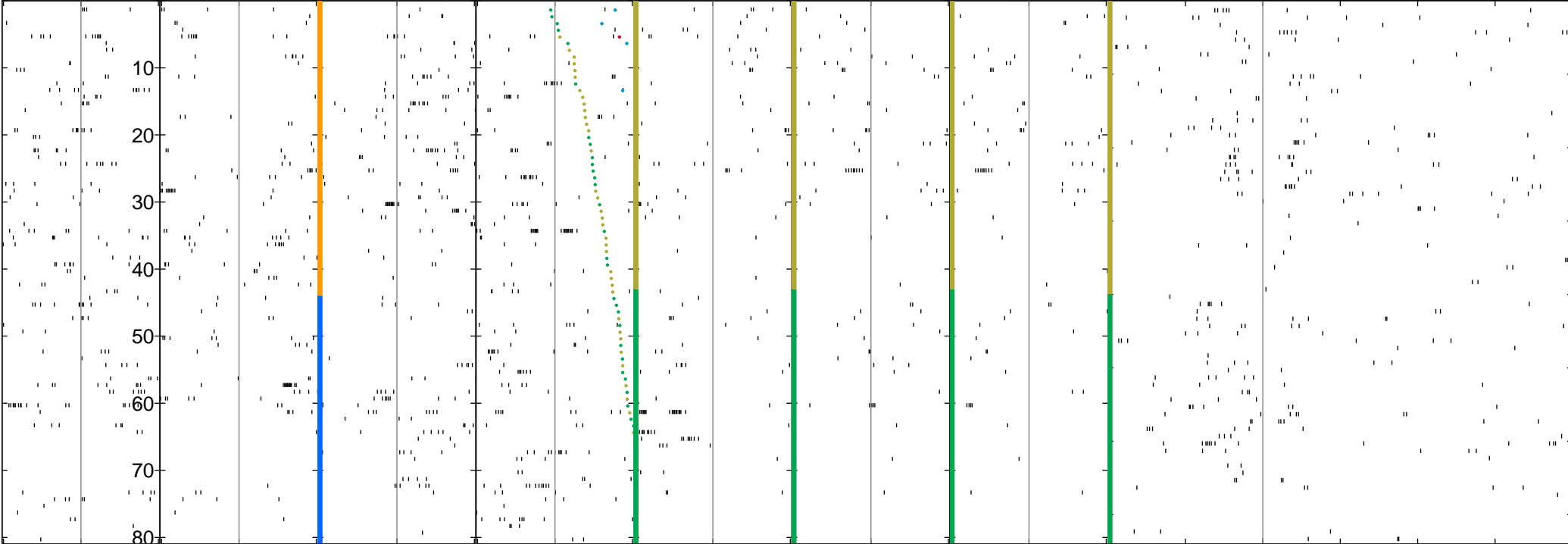
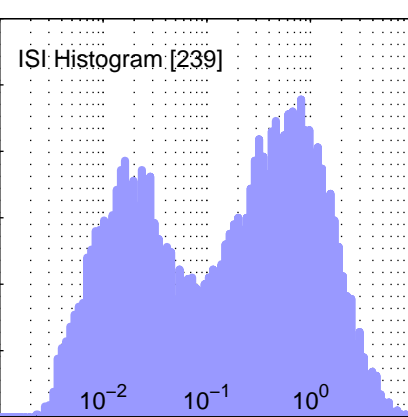
HP/PV



FR/PV



ISI Histogram [239]



Cell: C0320070624T07a

AP: 0.96 ML: 3.6 DV: 6.5

w: 3 n: 30397 $P_{ISI>2}$: 0

1/2pw: 118 μ s p \rightarrow v: 261 μ s

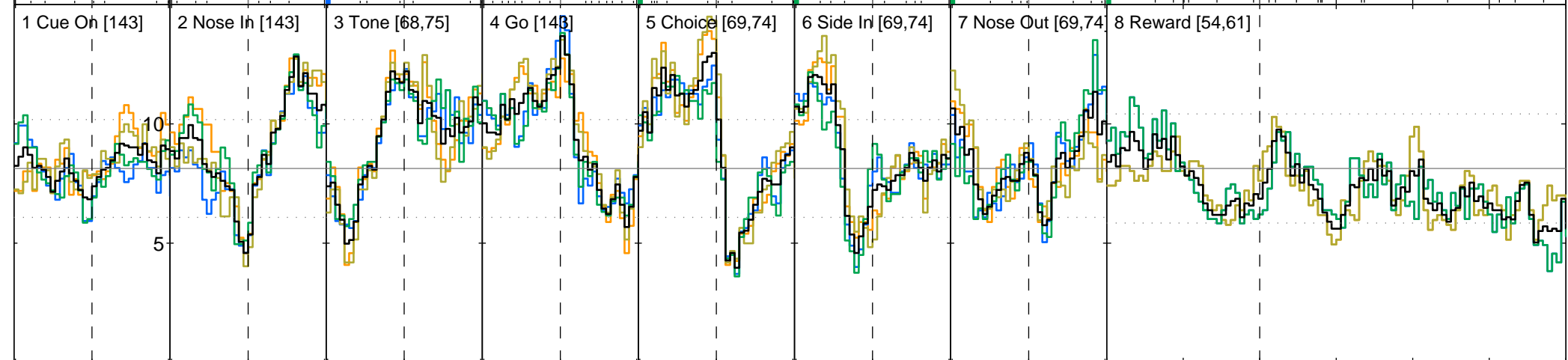
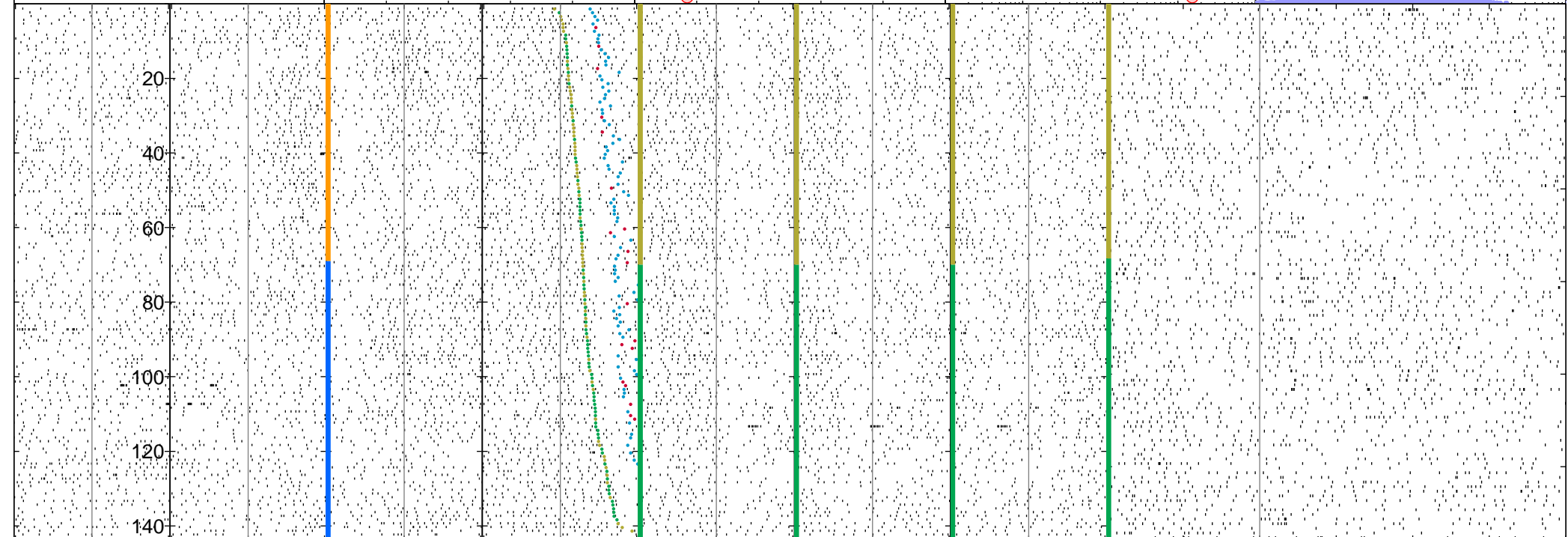
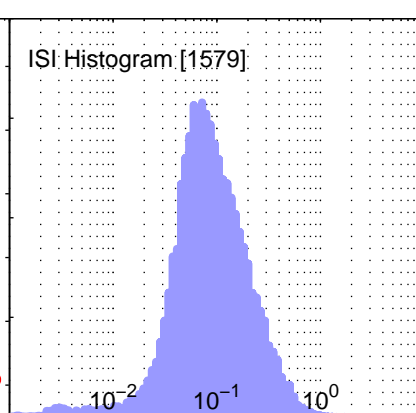
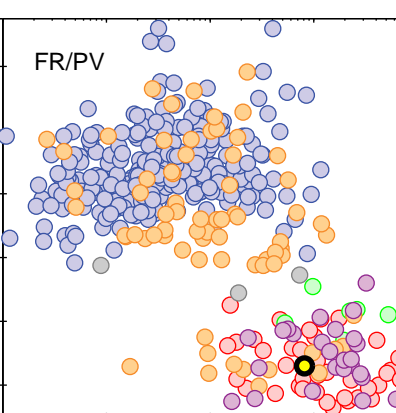
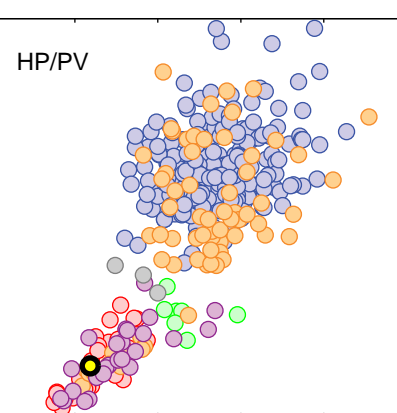
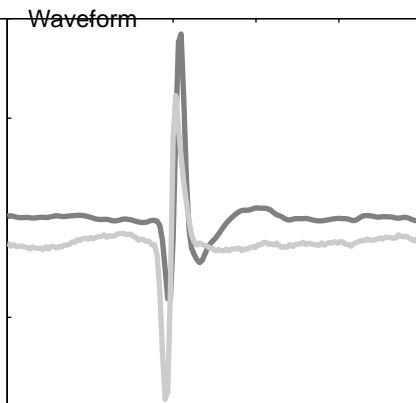
β_T : -2.4 β_D : 3.6

β_P : 3.5 SI: 0.28

Session FR: 8.13 Hz

Pk Ev: 4 - Go (Tone2)

Pk FR: 14.5Hz (0.00s) Inv



Cell: C0520070406T11e

AP: -0.48 ML: 4.6 DV: 4.5

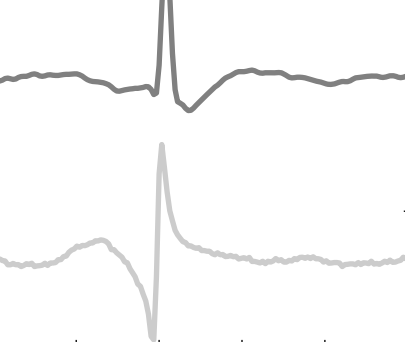
w: 1 n: 18778 $P_{ISI>2}$: 0.0451/2pw: 118 μ s p->v: 419 μ s β_T : -5.3 β_D : -9.8 β_P : -4.5 SI: -0.86

Session FR: 4.3 Hz

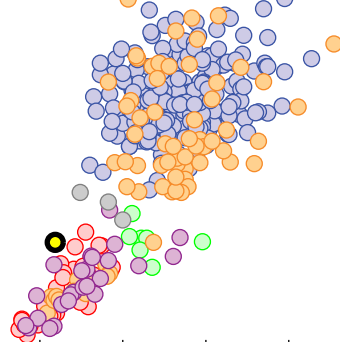
Pk Ev: 5 - Choice (Contra)

Pk FR: 45.5Hz (0.03s) Inv

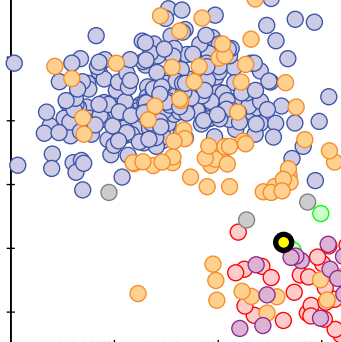
Waveform



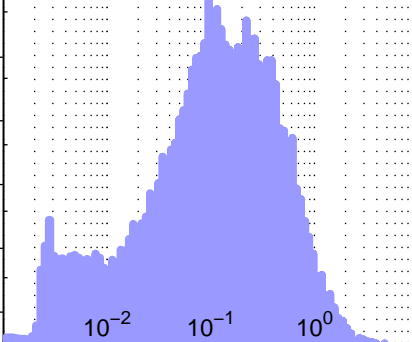
HP/PV



FR/PV



ISI Histogram [524]



50

100

150

1 Cue On [151]

2 Nose In [151]

3 Tone [67,84]

4 Go [151]

5 Choice [75,76]

6 Side In [75,76]

7 Nose Out [75,76]

8 Reward [54,62]

50

40

30

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10

Cell: C0320070630T09b

AP: 1.6 ML: 3.7 DV: 6.2

w: 1 n: 14569 $P_{ISI>2}$: 0.0047

1/2pw: 160 μ s p \rightarrow v: 525 μ s

β_T : -3.3 β_D : -3

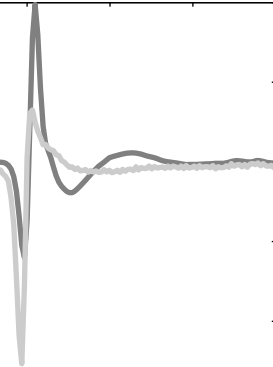
β_P : 3.7 SI: -0.31

Session FR: 4.8 Hz

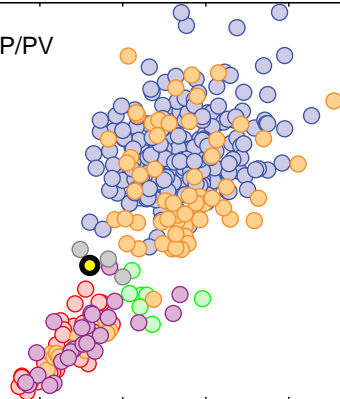
Pk Ev: 5 - Choice (Tone2)

Pk FR: 13.4Hz (0.75s) Inv

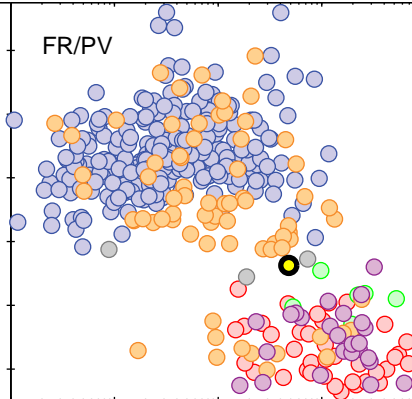
Waveform



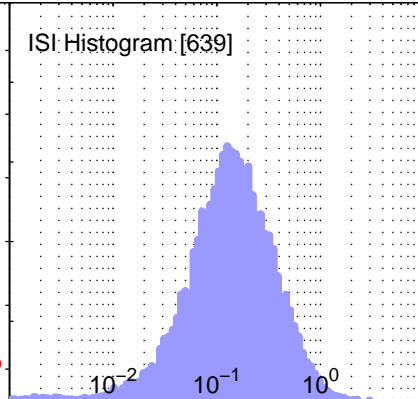
HP/PV



FR/PV

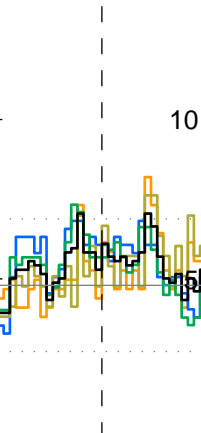


ISI Histogram [639]

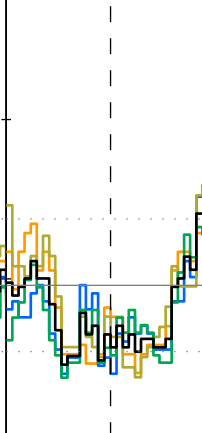


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80

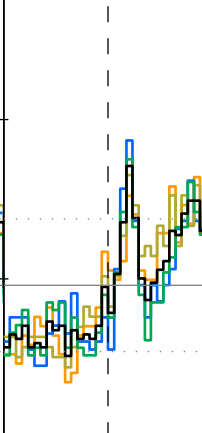
1 Cue On [82]



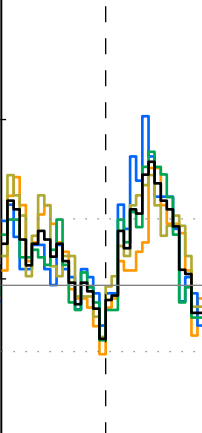
2 Nose In [82]



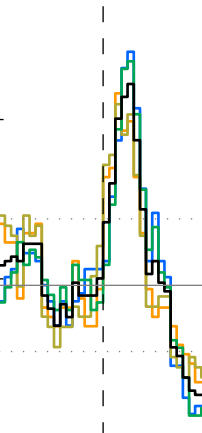
3 Tone [38,44]



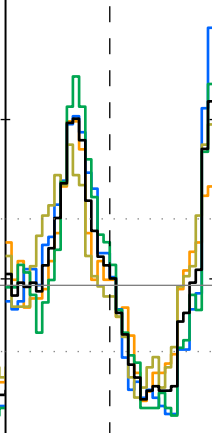
4 Go [82]



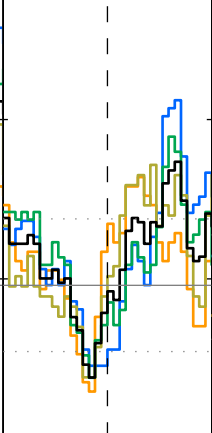
5 Choice [35,47]



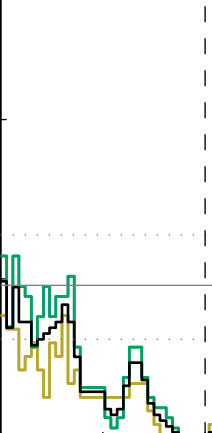
6 Side In [35,47]



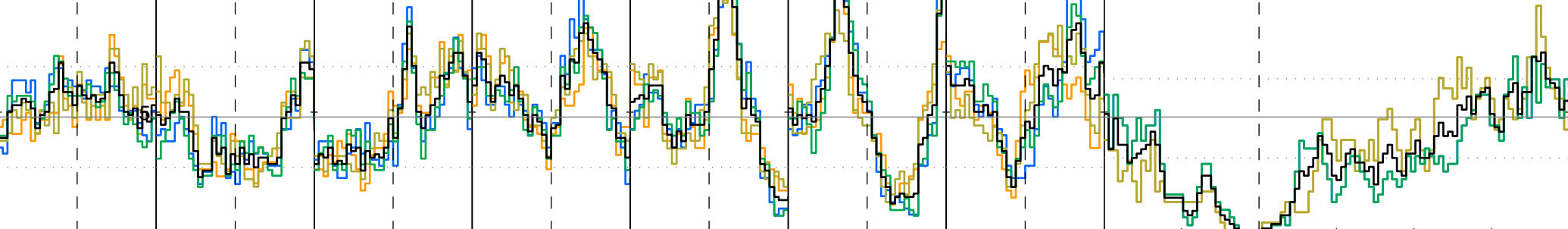
7 Nose Out [35,47]



8 Reward [26,35]

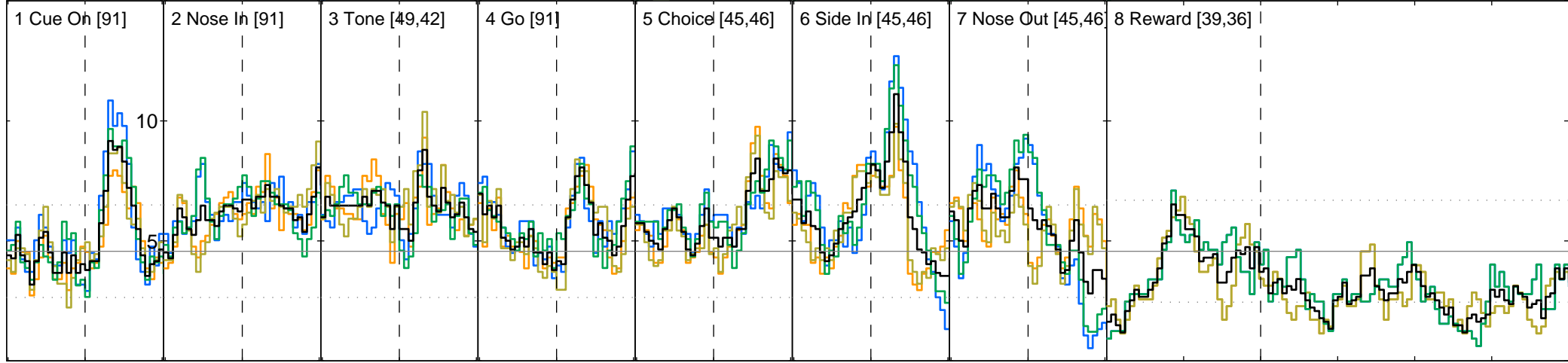
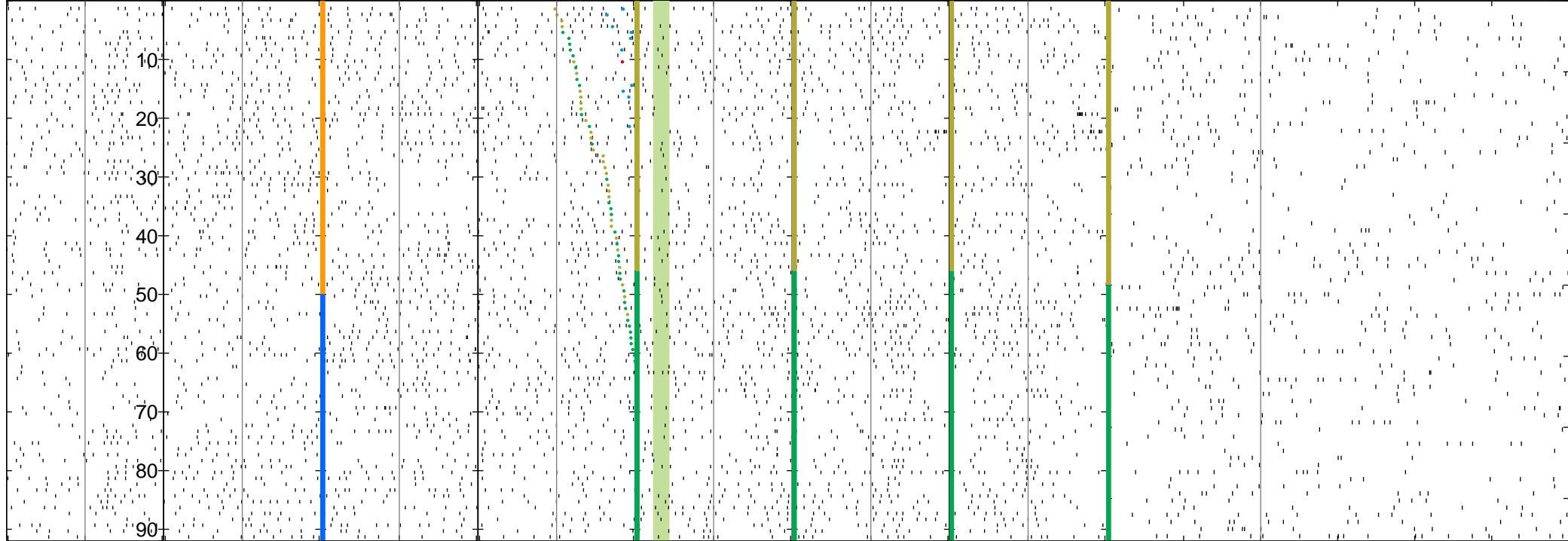
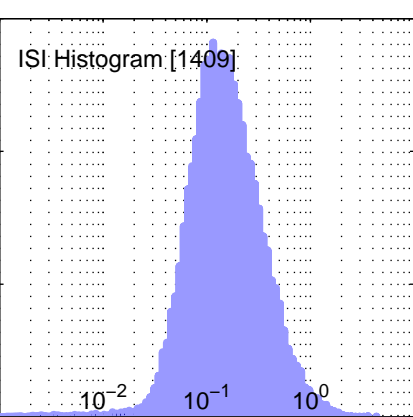
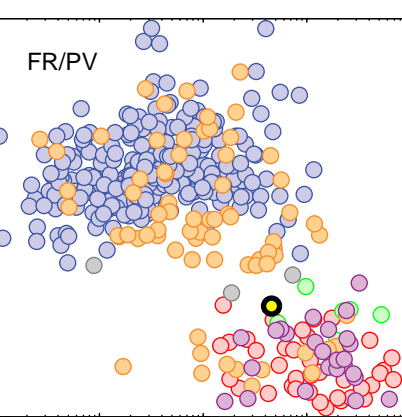
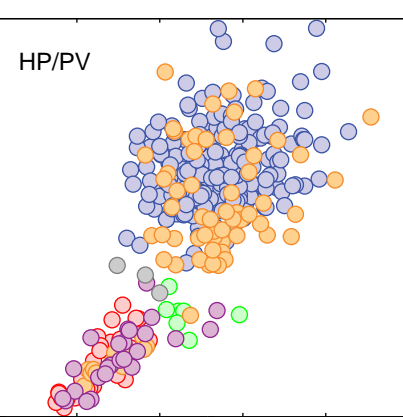
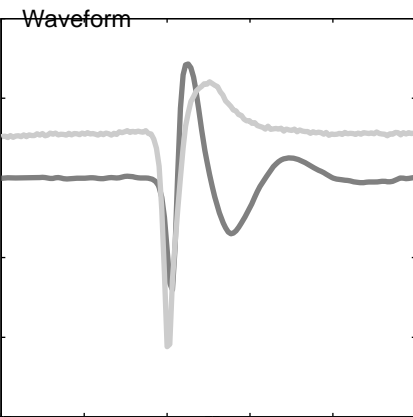


10



Cell: C1220071127T05a

AP: 1.4 ML: 2.1 DV: 8.3
w: 3 n: 28407 $P_{ISI>2}$: 0.011
1/2pw: 510 μ s p->v: 448 μ s
 β_T : 2.7 β_D : 2.7
 β_P : 3.1 SI: -0.4
Session FR: 4.57 Hz
Pk Ev: 6 - Side In (Tone2)
Pk FR: 12.7Hz (0.15s) Inv



Cell: C0320070613T09d

AP: 1.6 ML: 3.7 DV: 4.7

w: 3 n: 4653 $P_{ISI>2}$: 0.41

1/2pw: 0 μ s p->v: 0 μ s

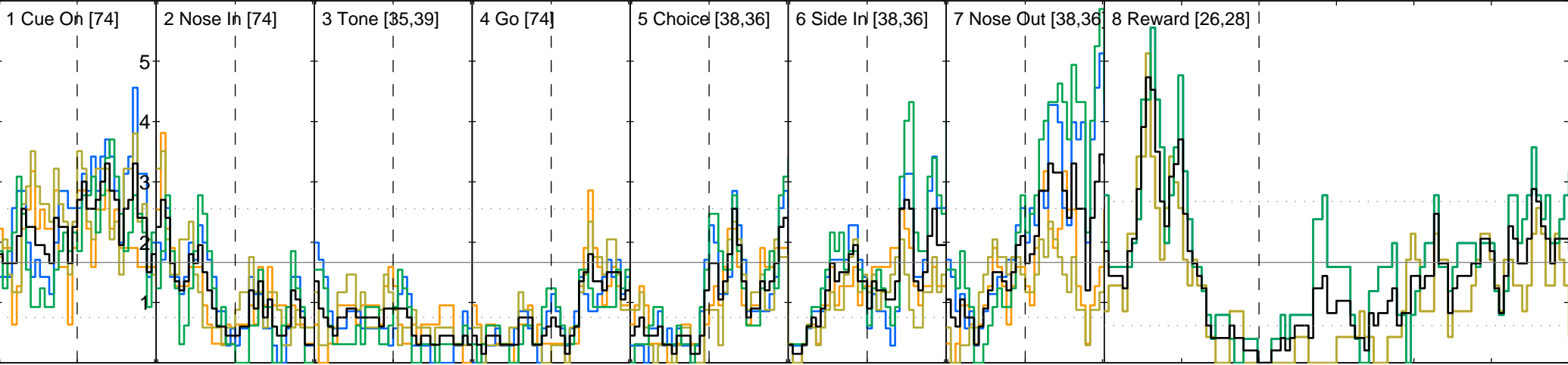
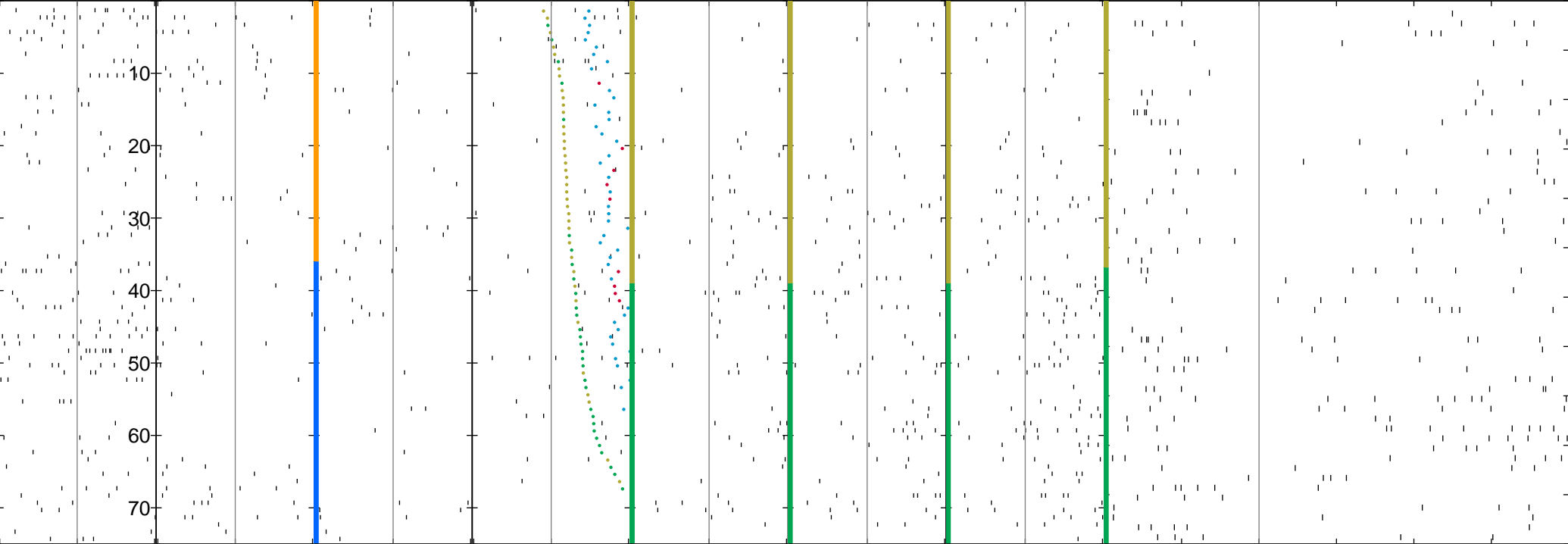
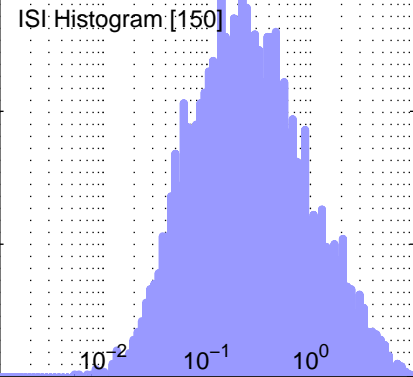
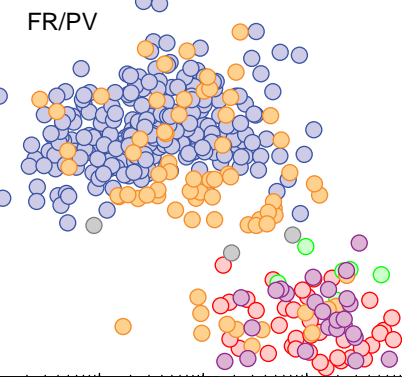
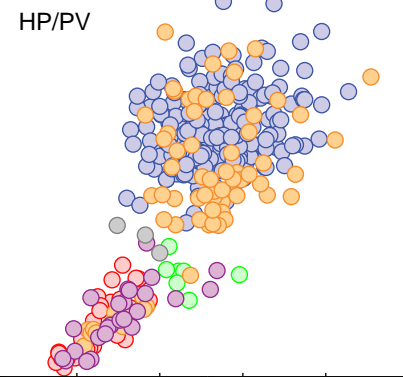
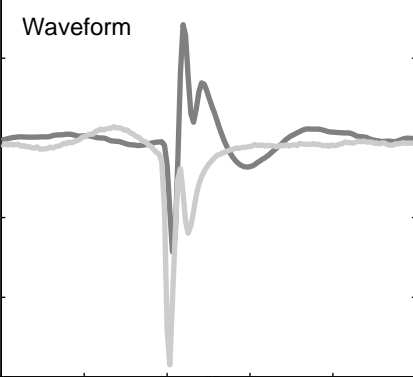
β_T : 2.4 β_D : 2.9

β_P : 2.9 SI: 0.71

Session FR: 1.66 Hz

Pk Ev: 6 - Side In (Ipsi)

Pk FR: 7.1Hz (0.57s) Inv



1 Cue On [74] 2 Nose In [74] 3 Tone [35,39] 4 Go [74] 5 Choice [38,36] 6 Side In [38,36] 7 Nose Out [38,36] 8 Reward [26,28]

Cell: C0320070619T11c

AP: -0.96 ML: 3.7 DV: 5.4

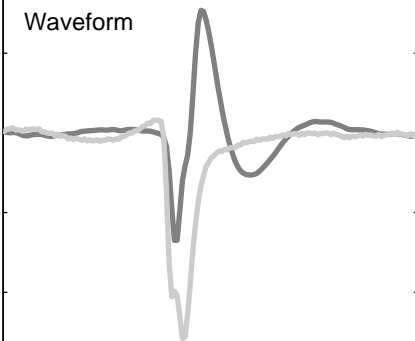
w: 4 n: 9052 $P_{ISI>2}$: 0.281/2pw: 0 μ s p->v: 0 μ s β_T : -2.7 β_D : -1.9 β_P : -3.5 SI: 0.22

Session FR: 2.13 Hz

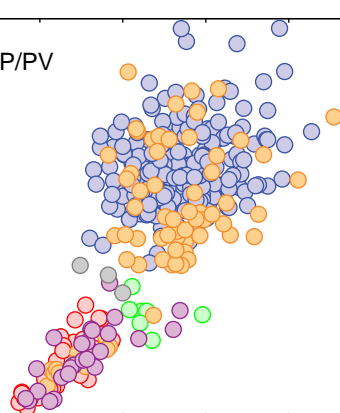
Pk Ev: 6 - Side In (Ipsi)

Pk FR: 5.44Hz (1.23s) Inv

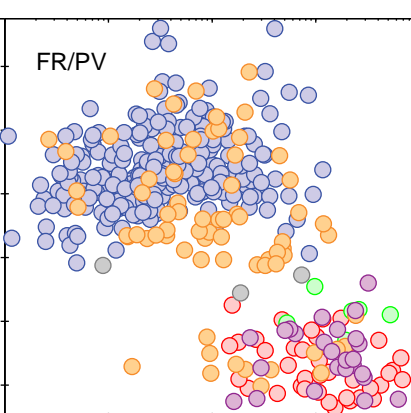
Waveform



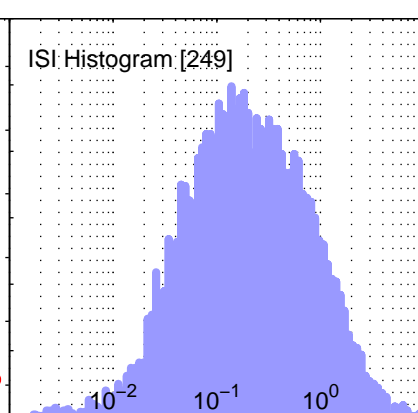
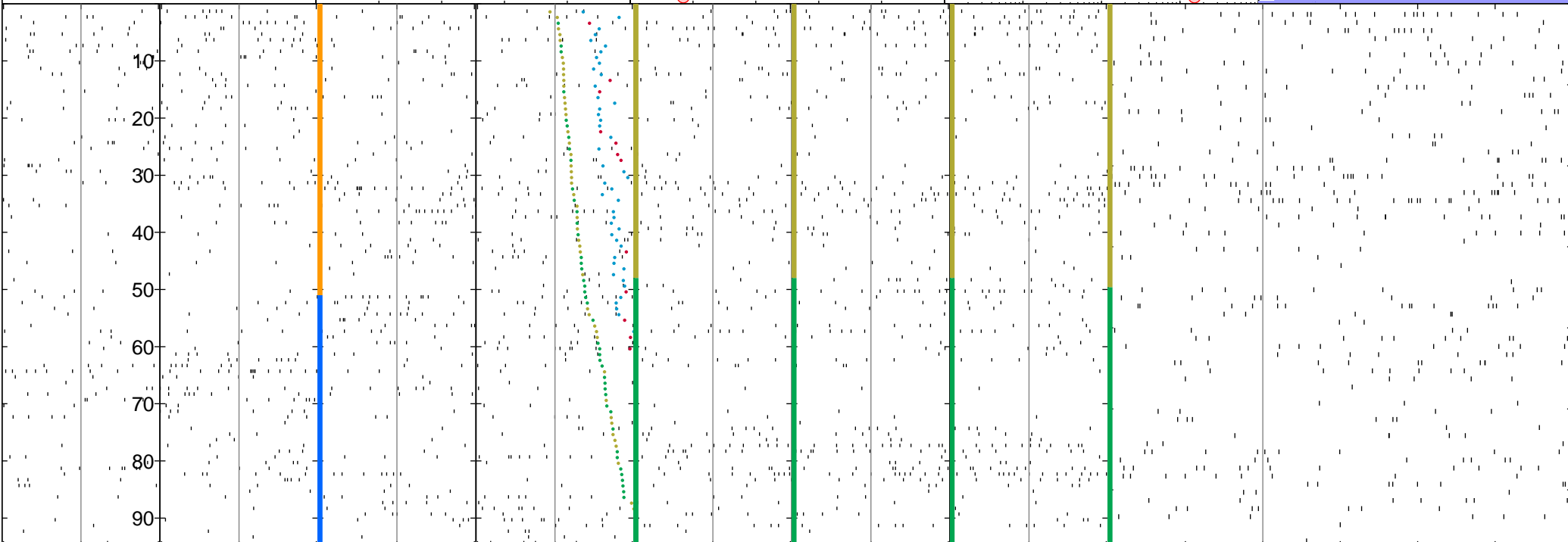
HP/PV



FR/PV



ISI Histogram [249]

10
20
30
40
50
60
70
80
90

1 Cue On [94]

2 Nose In [94]

3 Tone [50,44]

4 Go [94]

5 Choice [47,47]

6 Side In [47,47]

7 Nose Out [47,47]

8 Reward [34,32]

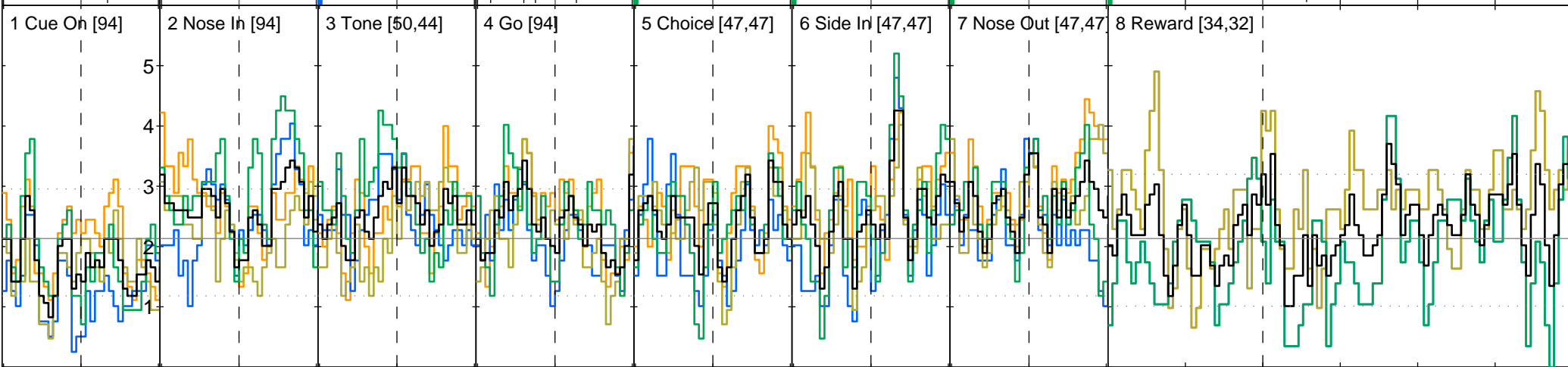
5

4

3

2

1



Cell: C0320070611T09g

AP: 1.6 ML: 3.7 DV: 4.7

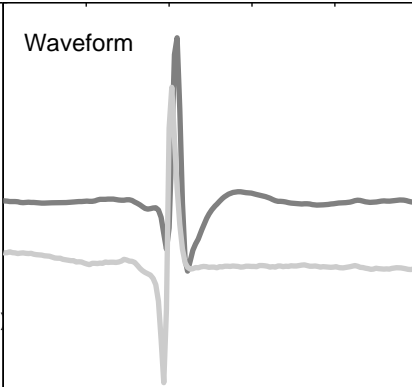
w: 4 n: 35361 $P_{ISI>2}$: 0.11/2pw: 93 μ s p \rightarrow v: 243 μ s β_T : -2.6 β_D : -2.6 β_P : 3.2 SI: 0.59

Session FR: 4.72 Hz

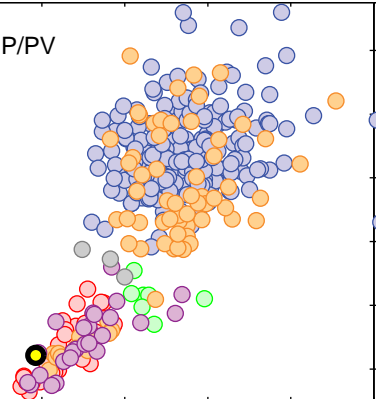
Pk Ev: 7 - Nose out (Contra)

Pk FR: 21.1Hz (0.93s) Inv

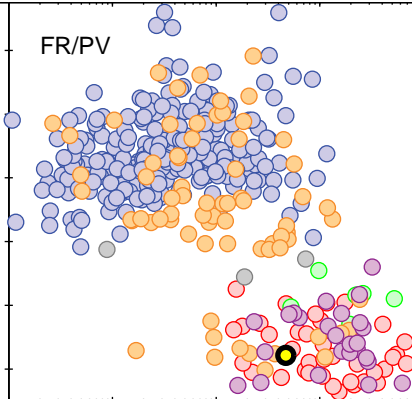
Waveform



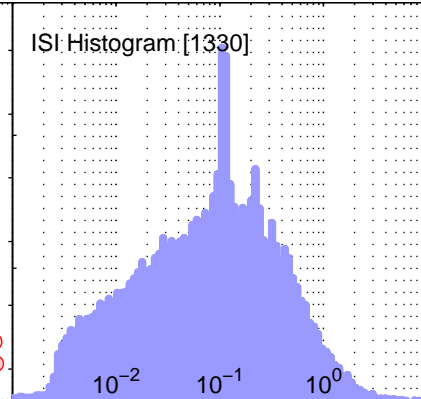
HP/PV



FR/PV



ISI Histogram [1330]



10

20

30

40

50

60

70

80

1 Cue On [85]

2 Nose In [85]

3 Tone [50,35]

4 Go [85]

5 Choice [39,46]

6 Side In [39,46]

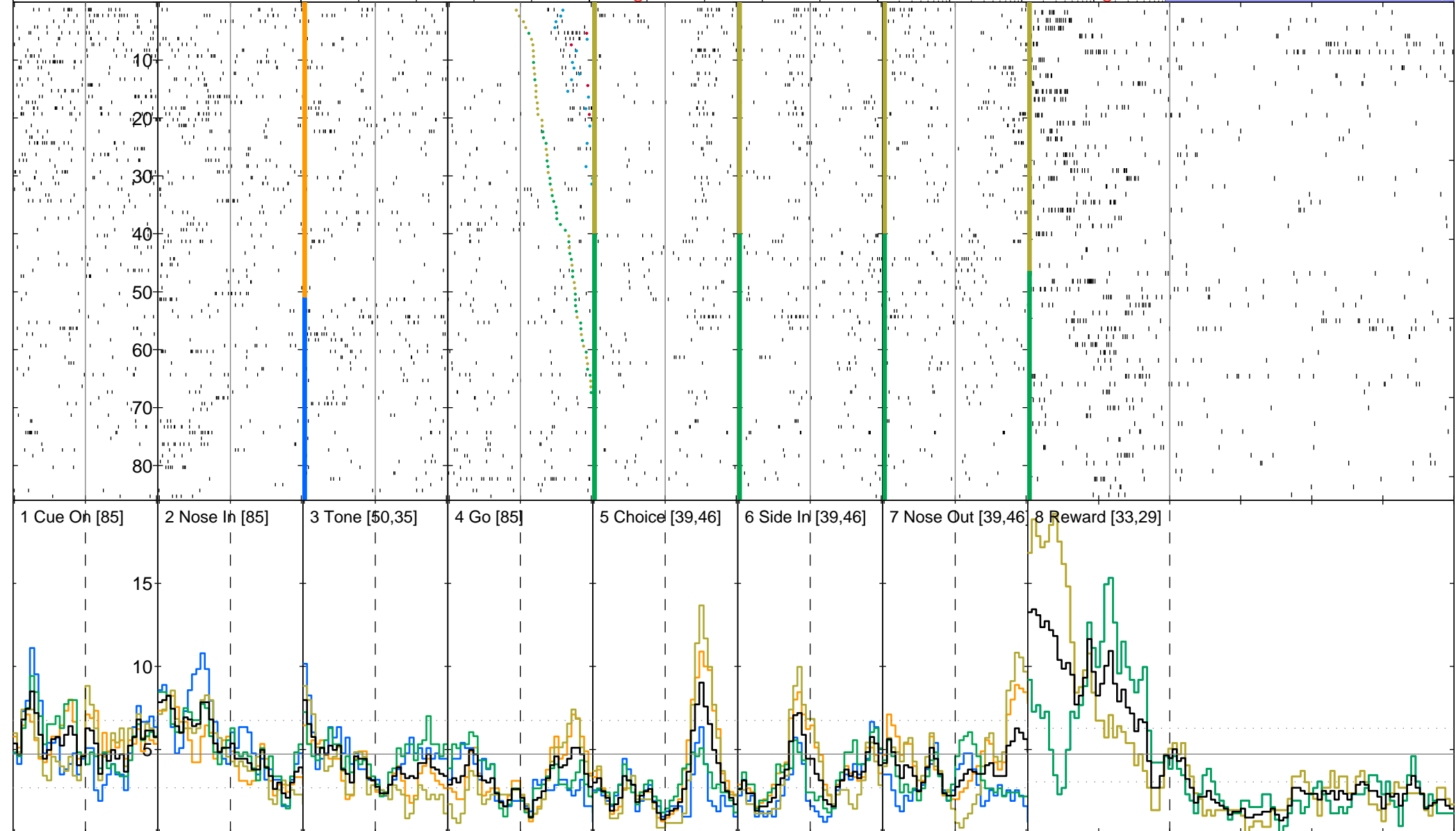
7 Nose Out [39,46]

8 Reward [33,29]

15

10

5



Cell: C1220071117T05b

AP: 1.4 ML: 2.1 DV: 7.5

w: 3 n: 548919 $P_{ISI>2}$: 0.011

1/2pw: 0μs p->v: 0μs

β_T : -2.1 β_D : 3.2

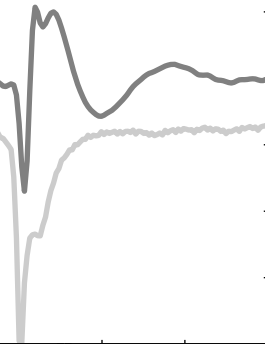
β_P : 4.6 SI: 0.33

Session FR: 53.5 Hz

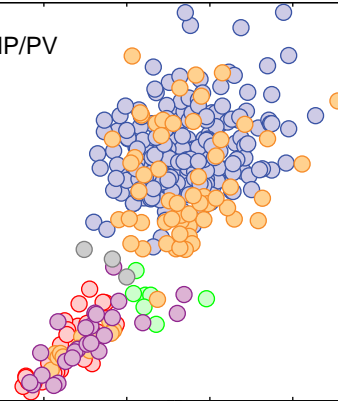
Pk Ev: 8 - Reward (T2/Ipsi)

Pk FR: 68.2Hz (-0.79s) Inv

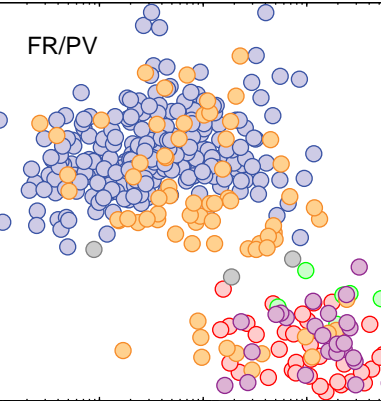
Waveform



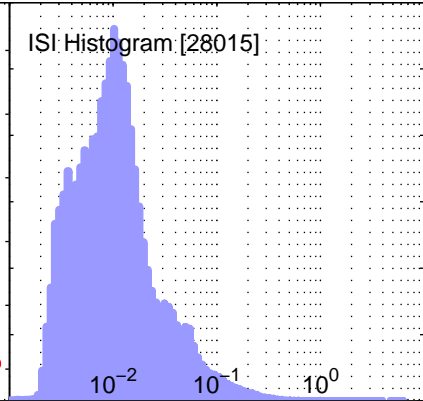
HP/PV



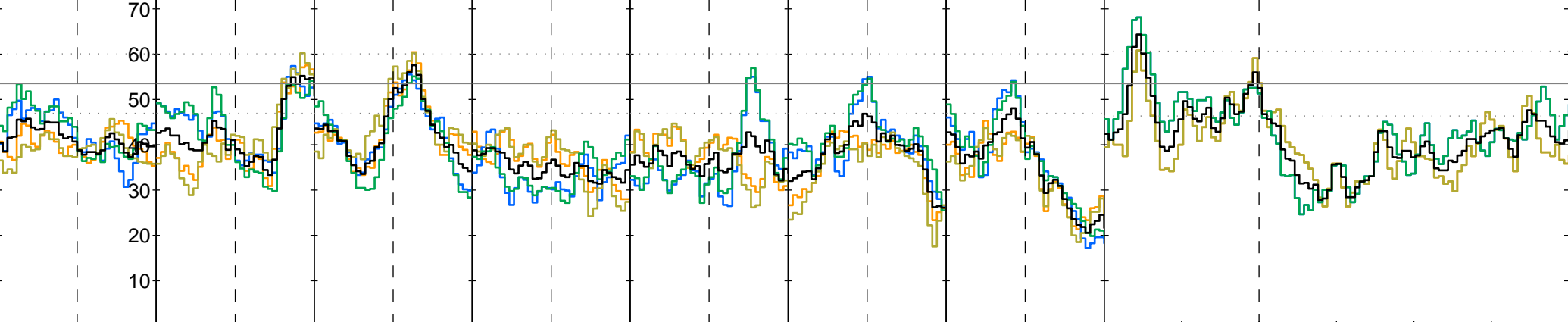
FR/PV



ISI Histogram [28015]

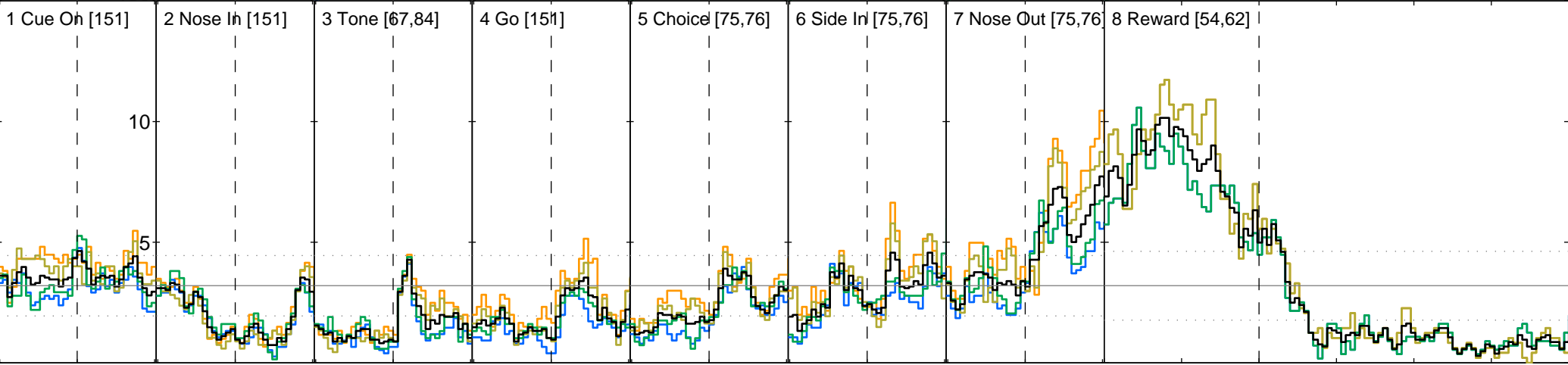
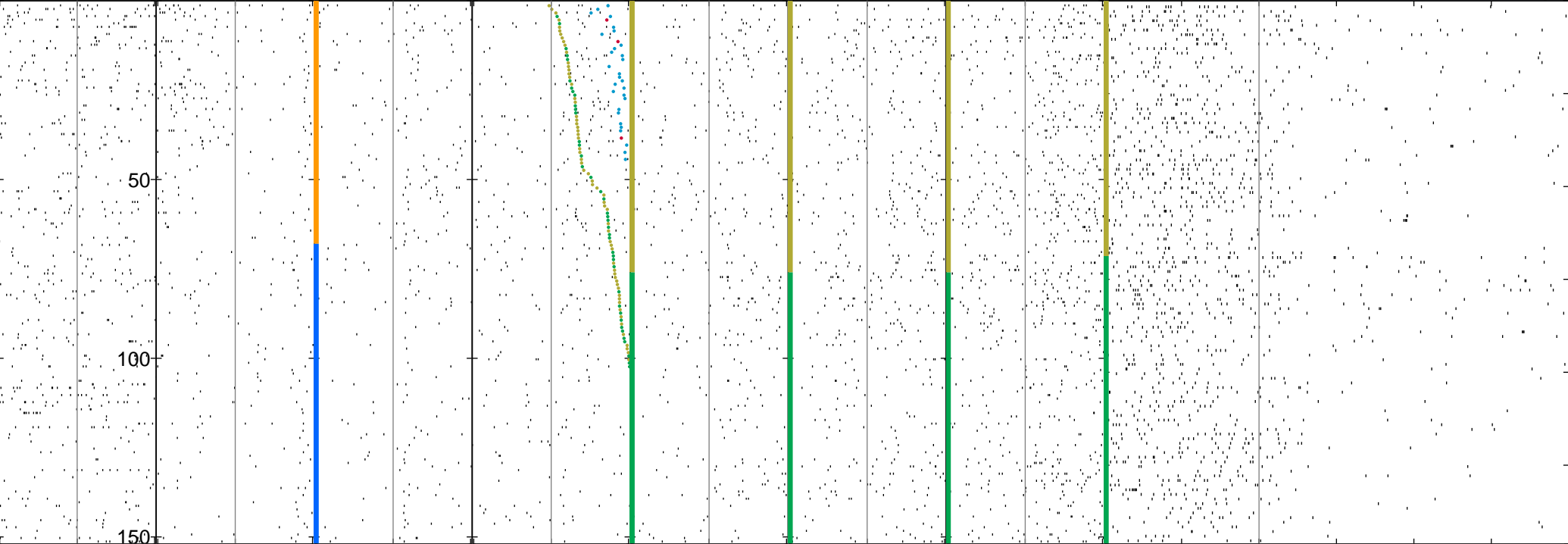
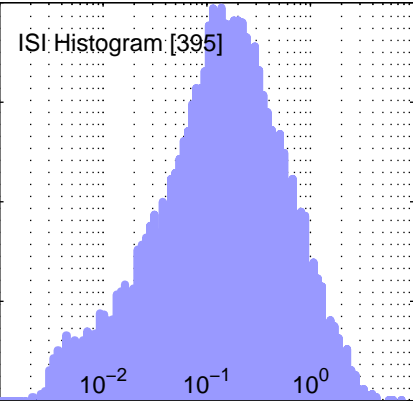
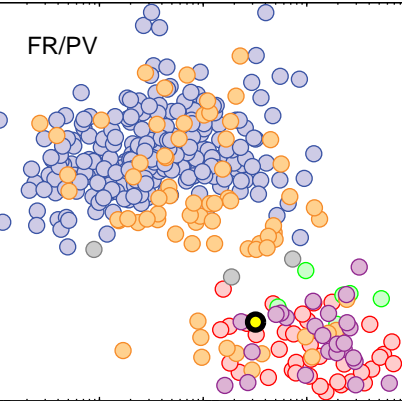
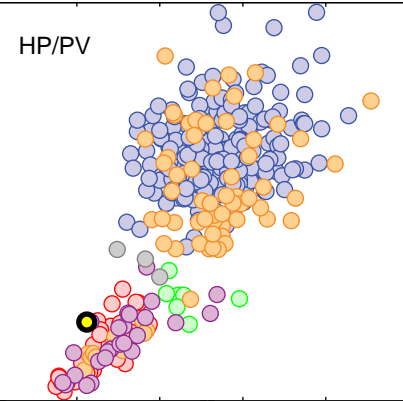
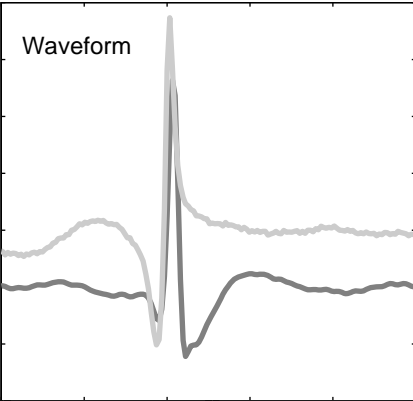


1 Cue On [92] 2 Nose In [92] 3 Tone [50,42] 4 Go [92] 5 Choice [45,47] 6 Side In [45,47] 7 Nose Out [45,47] 8 Reward [40,37]



Cell: C0520070406T06a

AP: 1.9 ML: 1.5 DV: 8.1
w: 2 n: 13952 $P_{ISI>2}$: 0.13
1/2pw: 112 μ s p->v: 347 μ s
 β_T : -3.6 β_D : 2.6
 β_P : -2.8 SI: 0.34
Session FR: 3.2 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 11.7Hz (-0.61s) Inv



Cell: C0320070613T15a

AP: -2.3 ML: 4.6 DV: 6.2

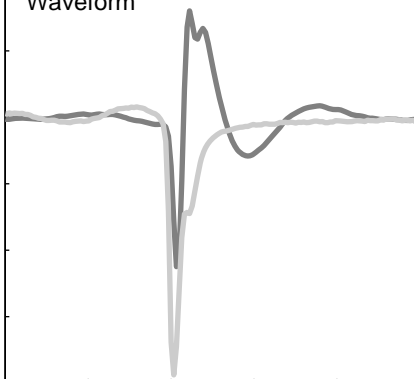
w: 1 n: 32229 $P_{ISI>2}$: 0.111/2pw: 0 μ s p->v: 0 μ s β_T : 1.8 β_D : 2.3 β_P : -4.4 SI: 0.55

Session FR: 9.56 Hz

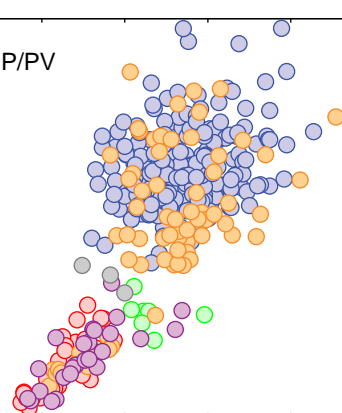
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 17.6Hz (-0.52s) Inv

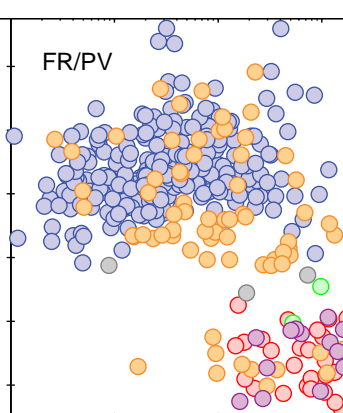
Waveform



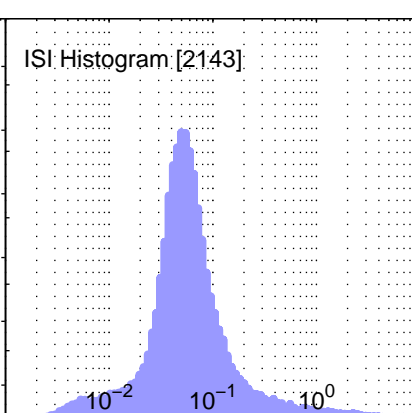
HP/PV



FR/PV



ISI Histogram [2143]



10

20

30

40

50

60

70

80

90

15

10

5

1 Cue On [89]

2 Nose In [89]

3 Tone [47,42]

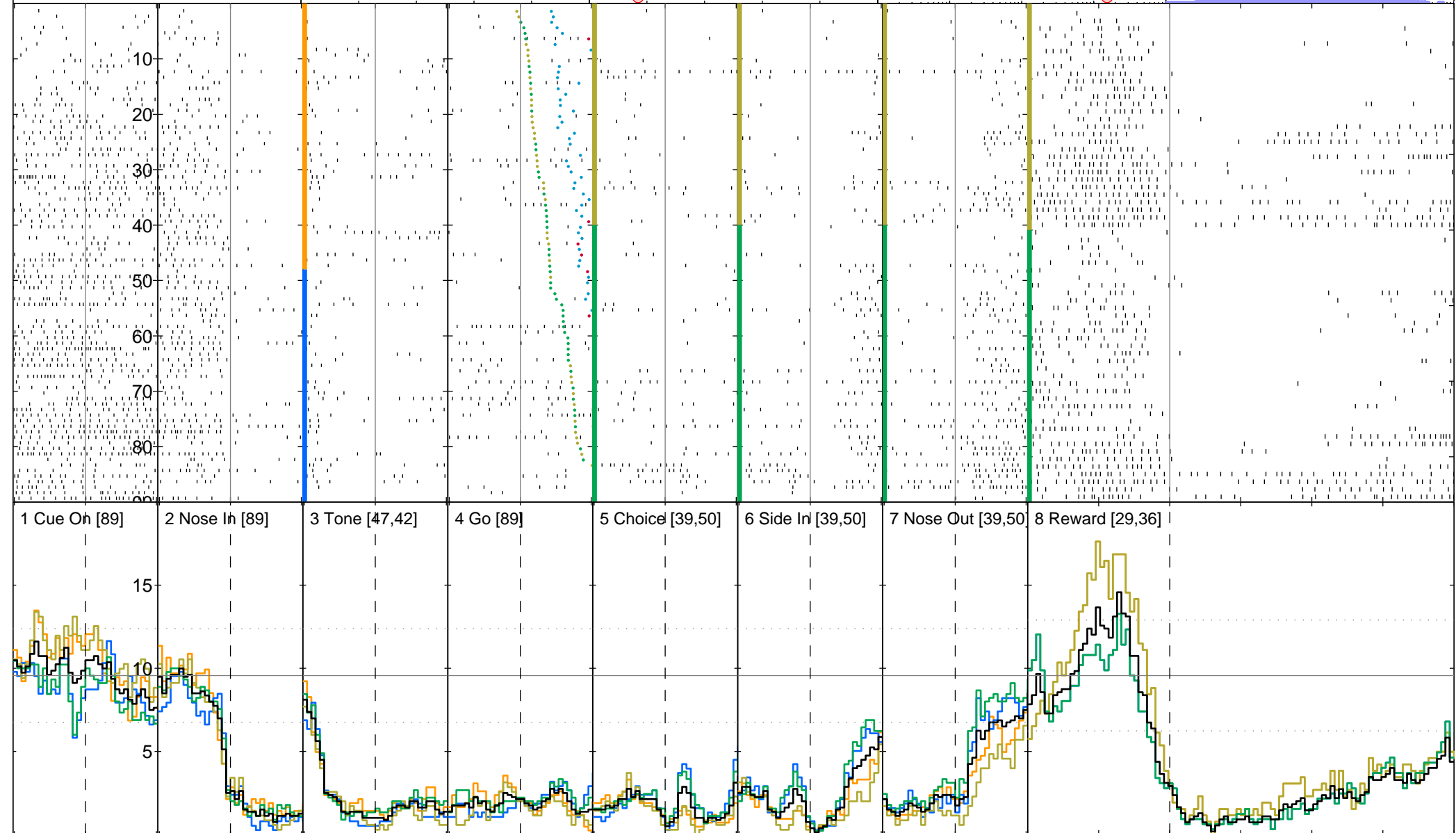
4 Go [89]

5 Choice [39,50]

6 Side In [39,50]

7 Nose Out [39,50]

8 Reward [29,36]



Cell: C0320070613T09F

AP: 1.6 ML: 3.7 DV: 4.7

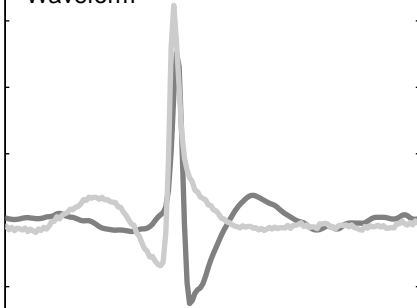
w: 3 n: 9771 $P_{ISI>2}$: 0.0431/2pw: 131 μ s p->v: 802 μ s β_T : -2.6 β_D : 2.8 β_P : 2.1 SI: -0.58

Session FR: 3.49 Hz

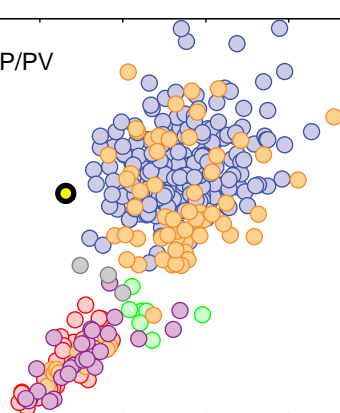
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 9.4Hz (-0.34s) Inv

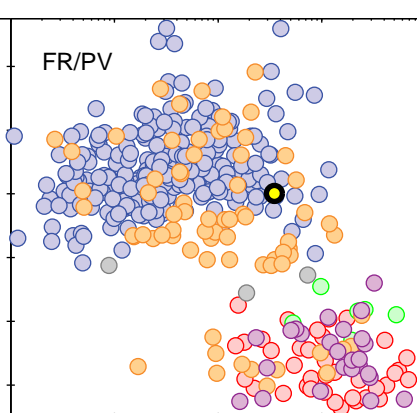
Waveform



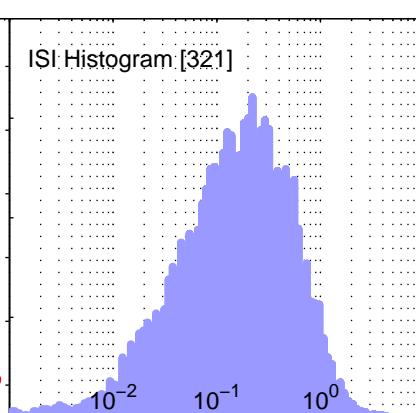
HP/PV



FR/PV



ISI Histogram [321]



10

20

30

40

50

60

70

1 Cue On [74]

2 Nose In [74]

3 Tone [35,39]

4 Go [74]

5 Choice [38,36]

6 Side In [38,36]

7 Nose Out [38,36]

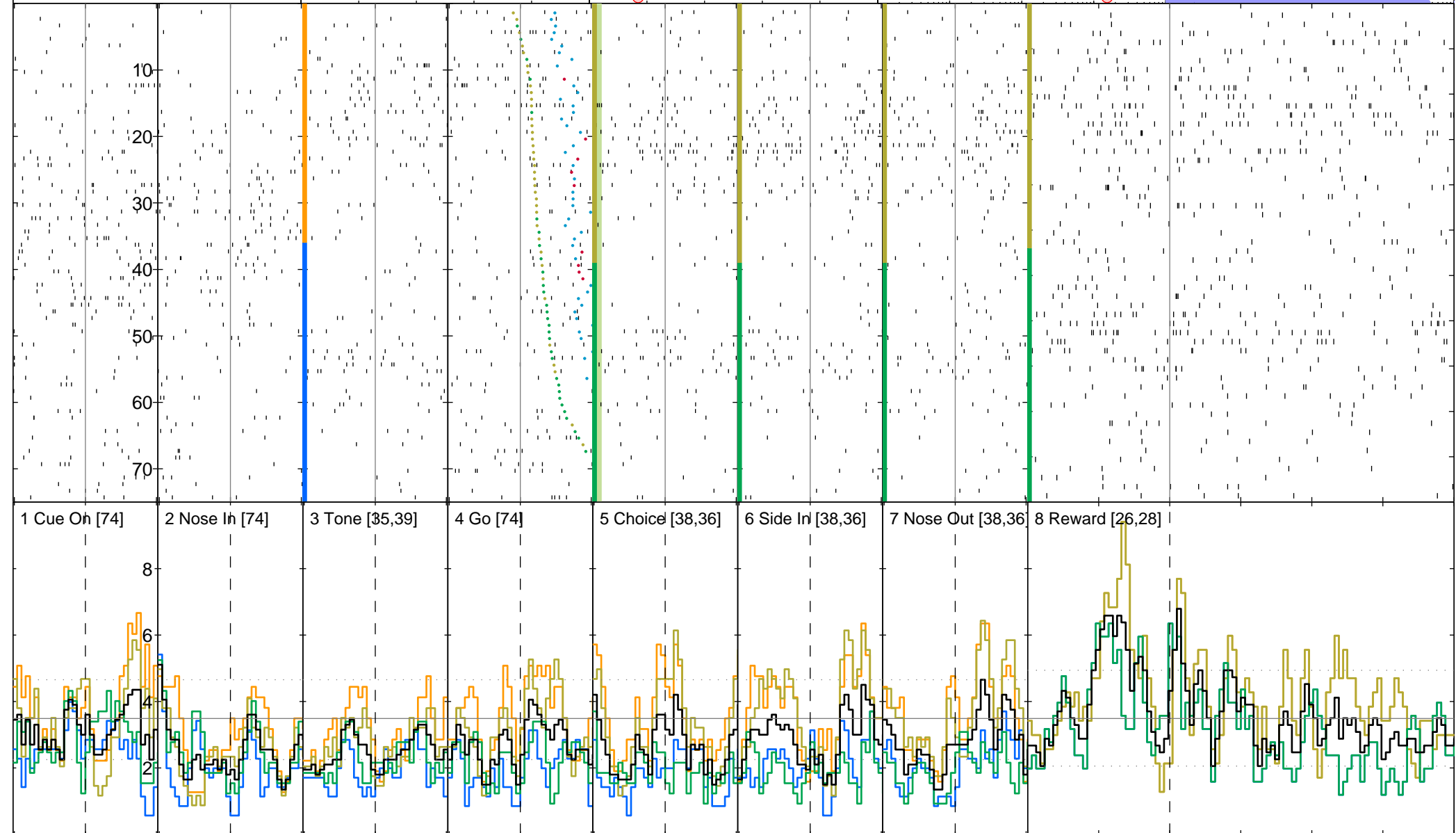
8 Reward [26,28]

8

6

4

2



Cell: C0320070702T07c

AP: 0.96 ML: 3.6 DV: 7.8

w: 4 n: 13709 $P_{ISI>2}$: 0.029

1/2pw: 282 μ s p->v: 678 μ s

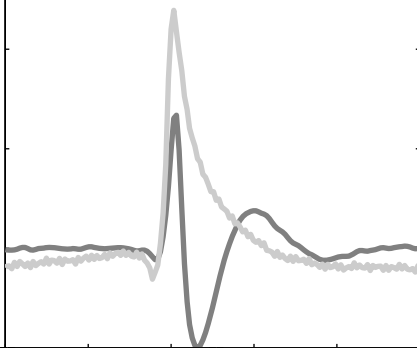
β_T : 2.7 β_D : -3.1

β_P : 2.9 SI: 0.27

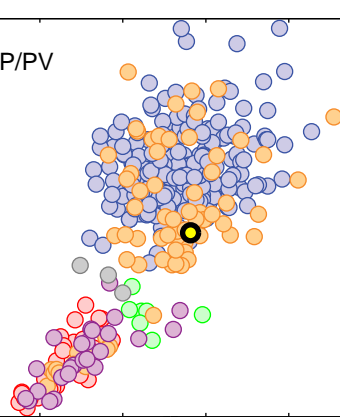
Session FR: 2.73 Hz

Pk Ev: 8 - Reward (T1/Con)

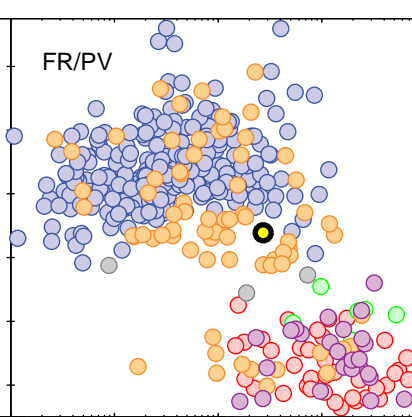
Pk FR: 7.22Hz (0.26s) Inv



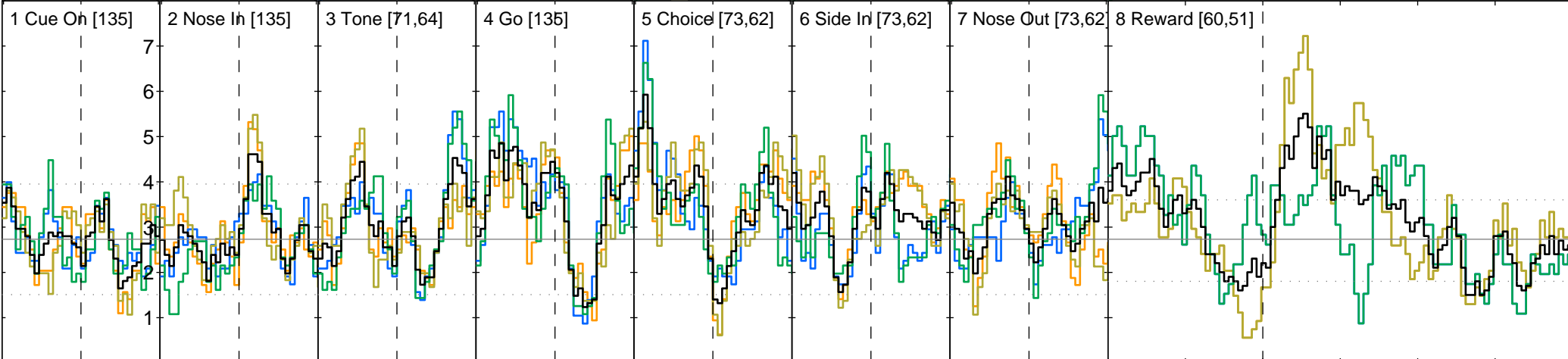
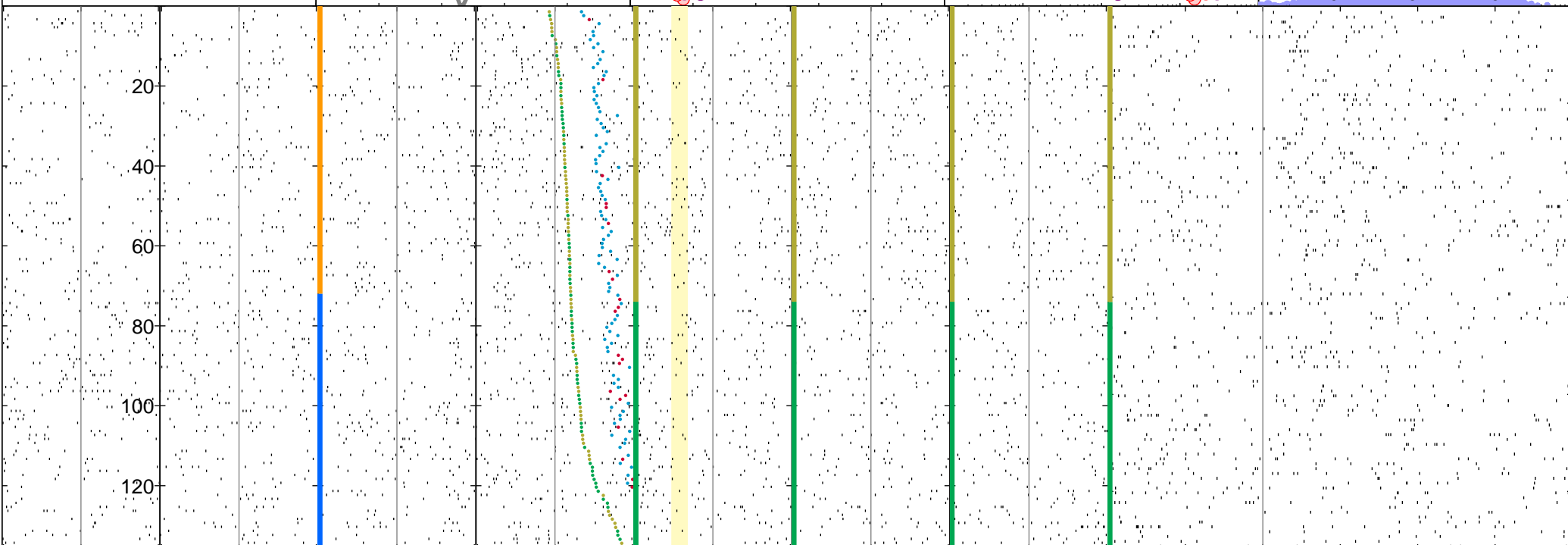
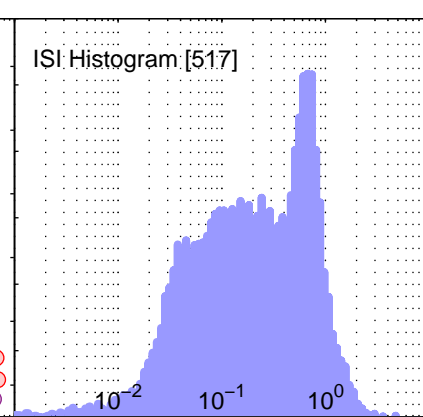
HP/PV



FR/PV



ISI Histogram [517]



Cell: C1220071125T05b

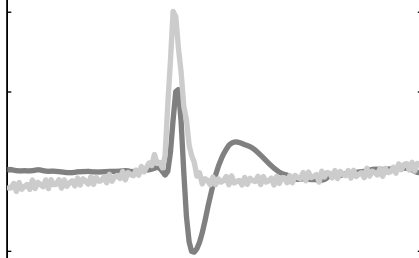
AP: 1.4 ML: 2.1 DV: 8

w: 3 n: 9601 $P_{ISI>2}$: 0.461/2pw: 166 μ s p->v: 283 μ s β_T : -2 β_D : 2.9 β_P : -3.2 SI: NaN

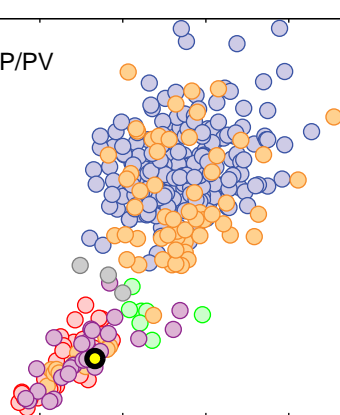
Session FR: 1.67 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

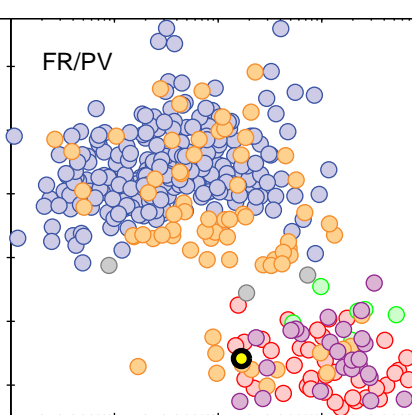
Pk FR: 6.98Hz (0.29s) Inv



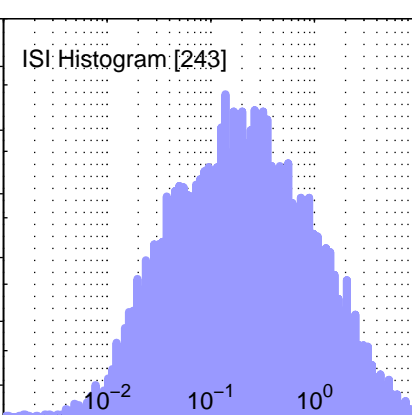
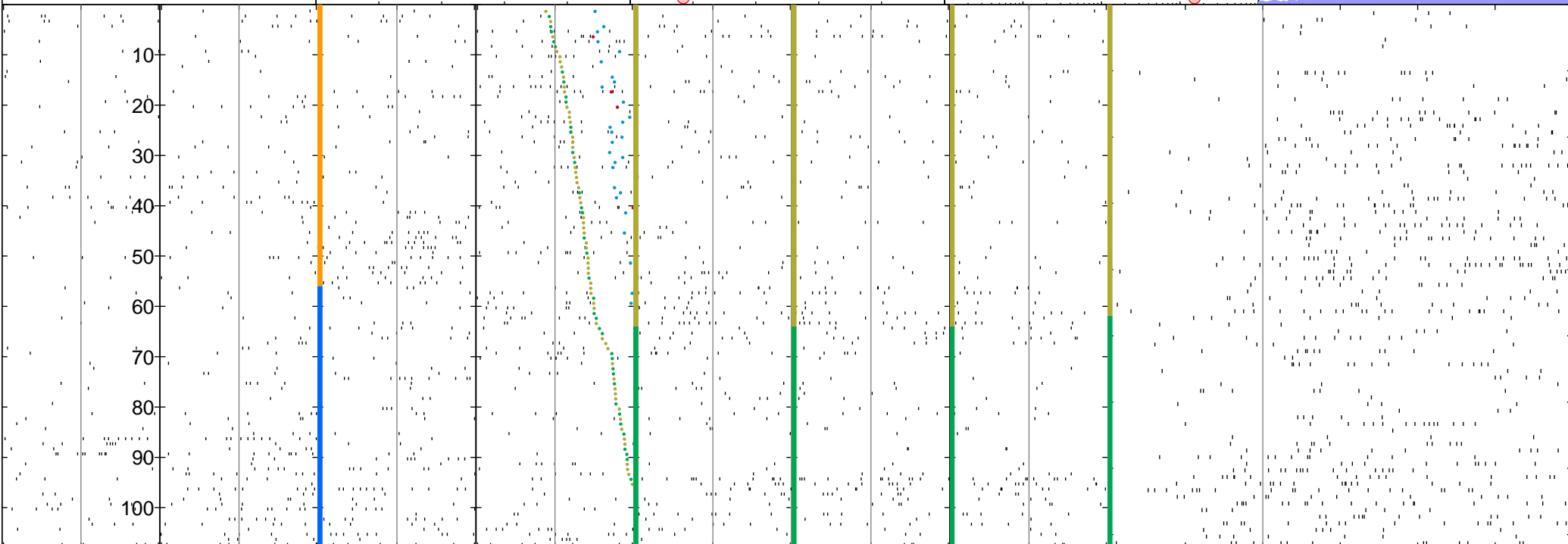
HP/PV



FR/PV



ISI Histogram [243]

10
20
30
40
50
60
70
80
90
100

1 Cue On [107]

2 Nose In [107]

3 Tone [55,52]

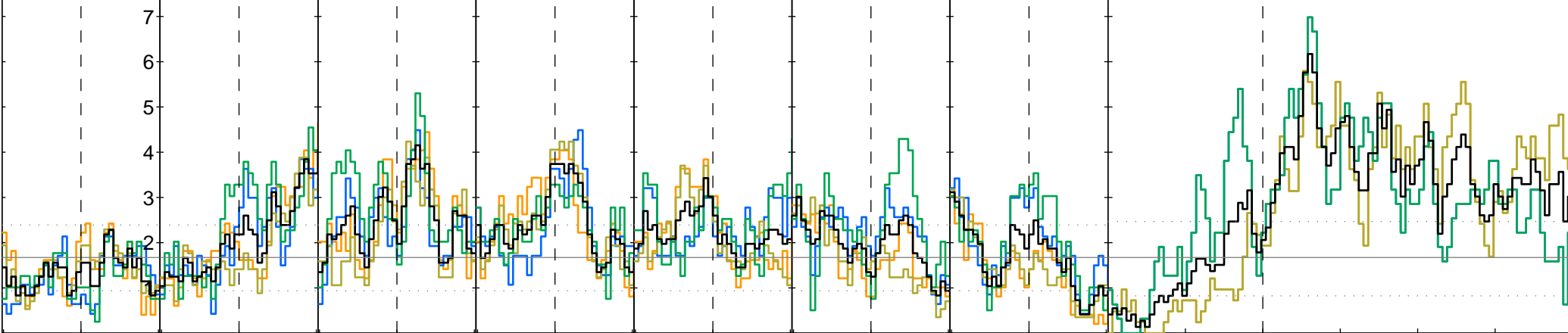
4 Go [107]

5 Choice [63,44]

6 Side In [63,44]

7 Nose Out [63,44]

8 Reward [46,35]

7
6
5
4
3
2

Cell: C0320070618T07b

AP: 0.96 ML: 3.6 DV: 5.6

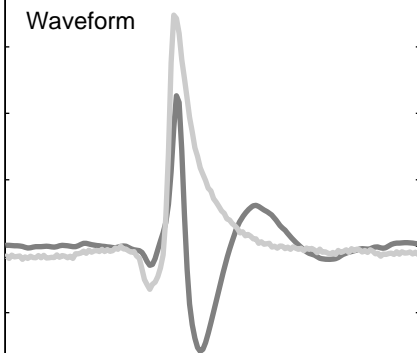
w: 3 n: 47702 $P_{ISI>2}$: 01/2pw: 272 μ s p \rightarrow v: 797 μ s β_T : -2.5 β_D : -4.5 β_P : -3.1 SI: -0.38

Session FR: 9.48 Hz

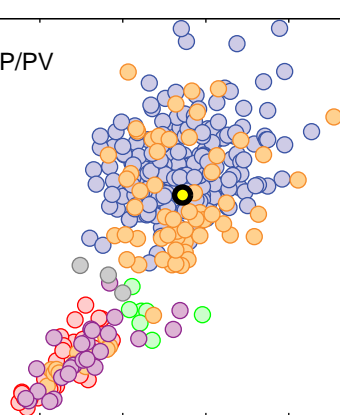
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 18.9Hz (0.41s) Inv

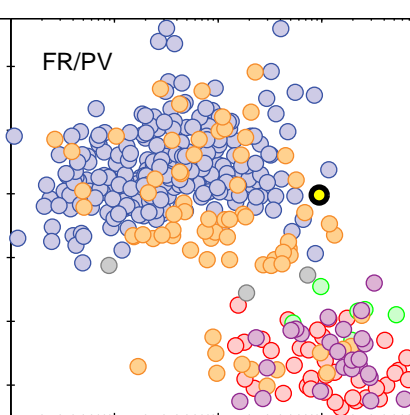
Waveform



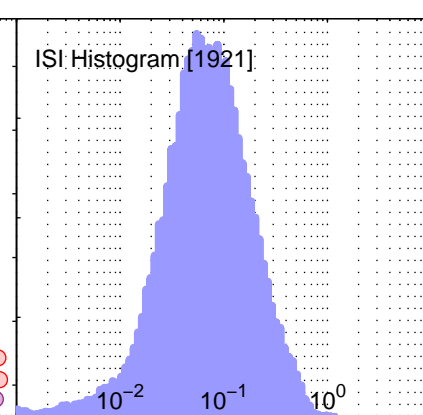
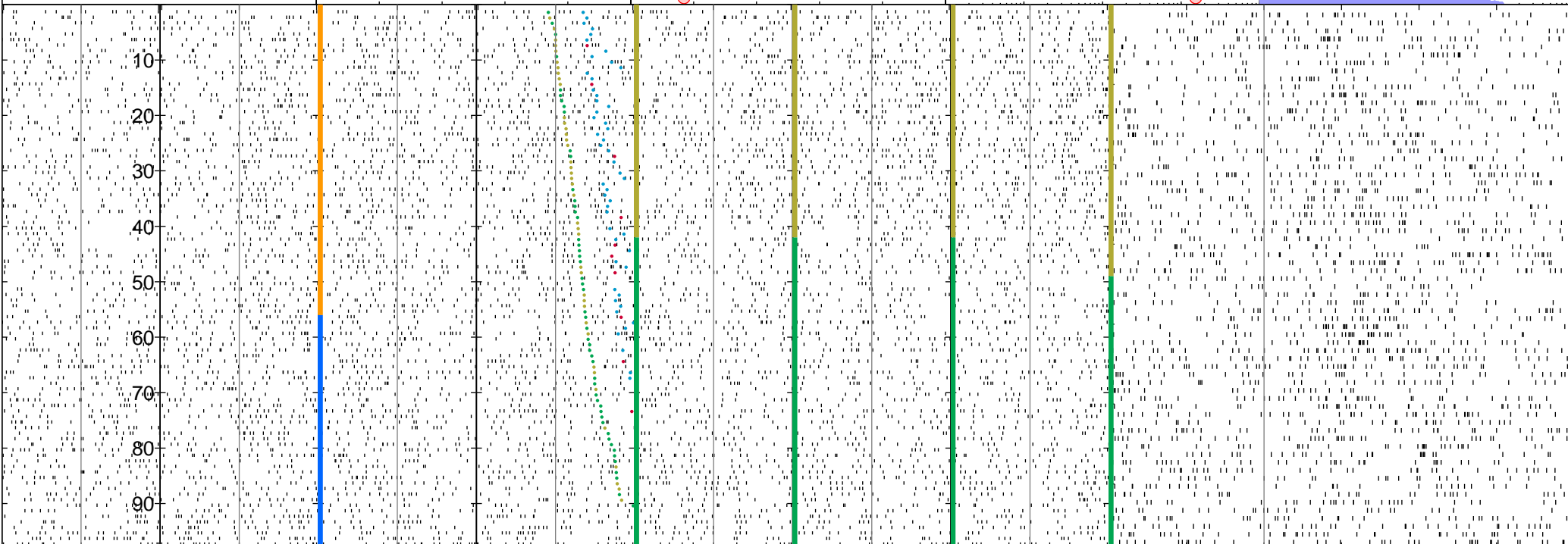
HP/PV



FR/PV



ISI Histogram [1921]

10
20
30
40
50
60
70
80
90

1 Cue On [97]

2 Nose In [97]

3 Tone [55,42]

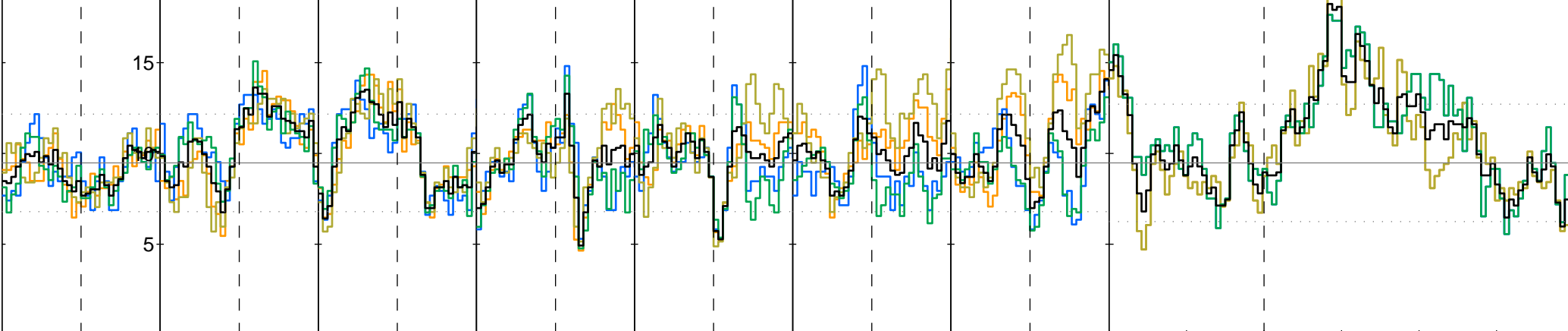
4 Go [97]

5 Choice [41,56]

6 Side In [41,56]

7 Nose Out [41,56]

8 Reward [33,34]

15
5

Cell: C0320070625T11d

AP: -0.96 ML: 3.7 DV: 6.2

w: 4 n: 45715 $P_{ISI>2}$: 0

1/2pw: 130 μ s p->v: 834 μ s

β_T : -3.3 β_D : 3

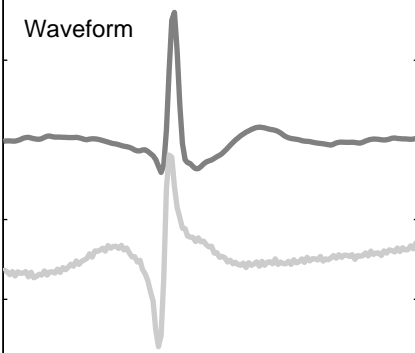
β_P : -3.4 SI: 0.31

Session FR: 16.2 Hz

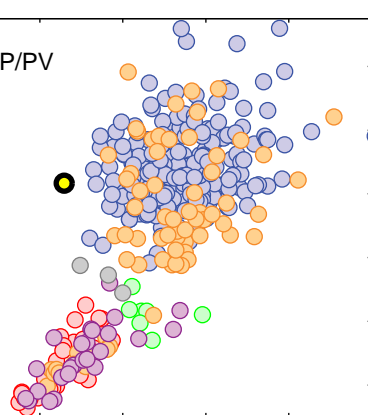
Pk Ev: 8 - Reward (T1/Con)

Pk FR: 25.3Hz (0.62s) Inv

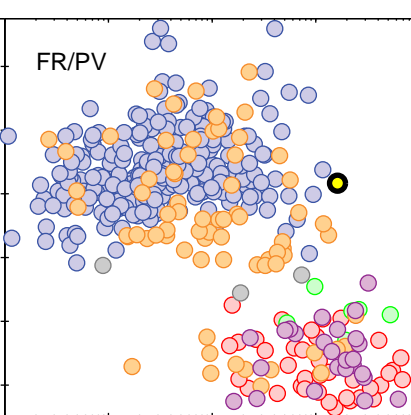
Waveform



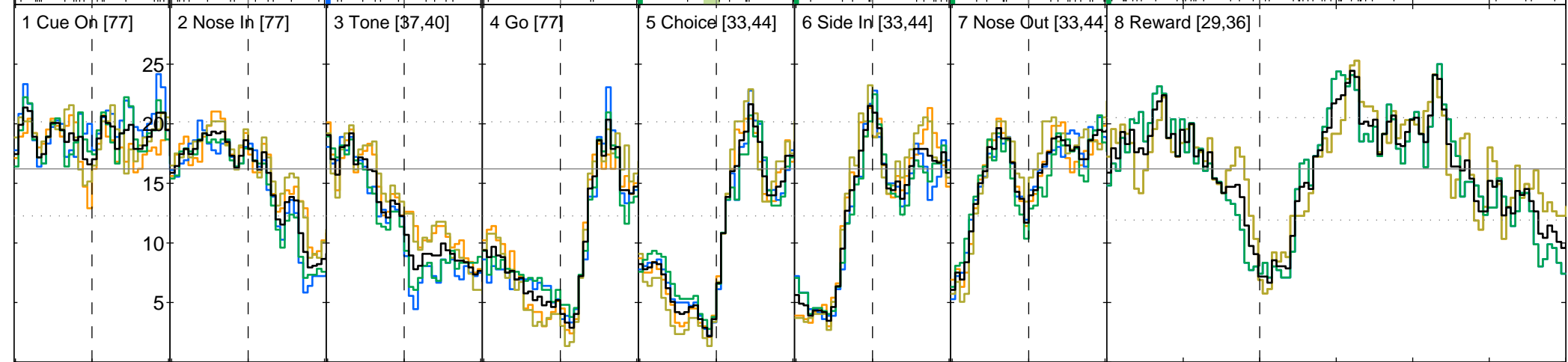
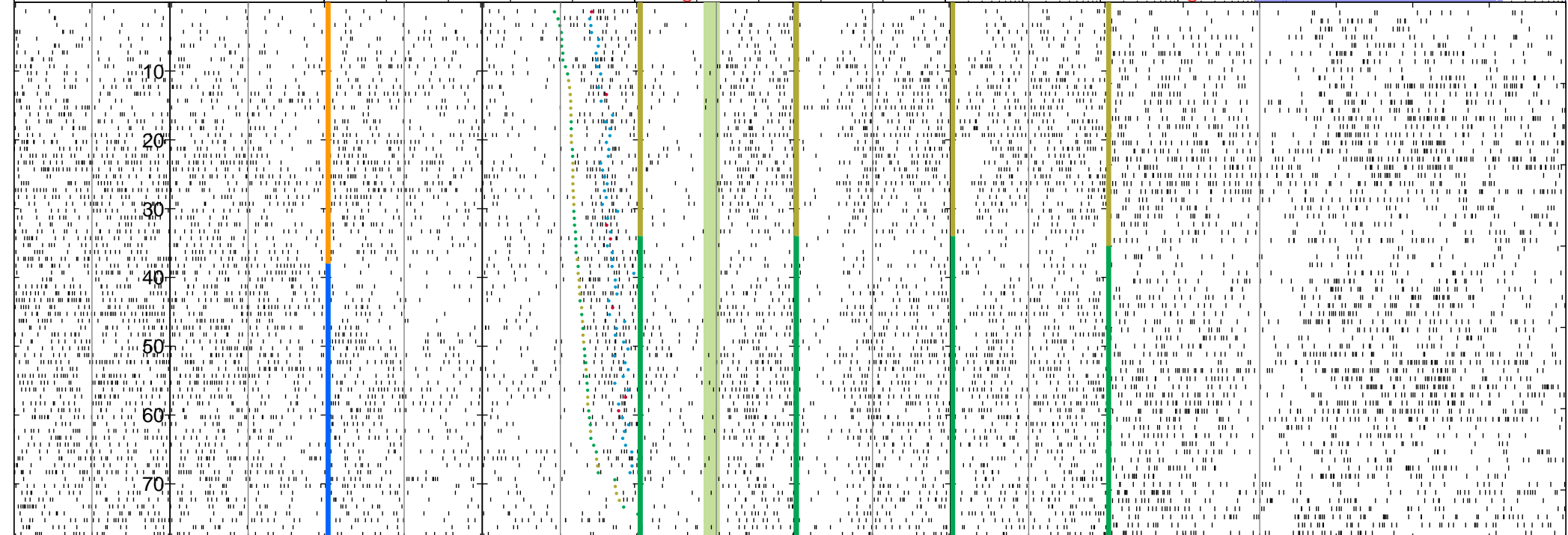
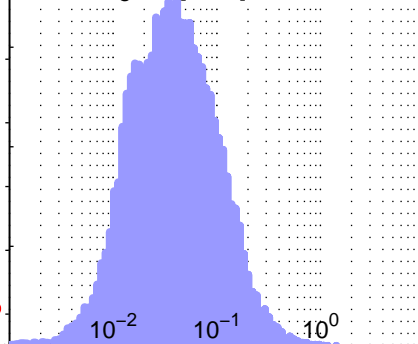
HP/PV



FR/PV

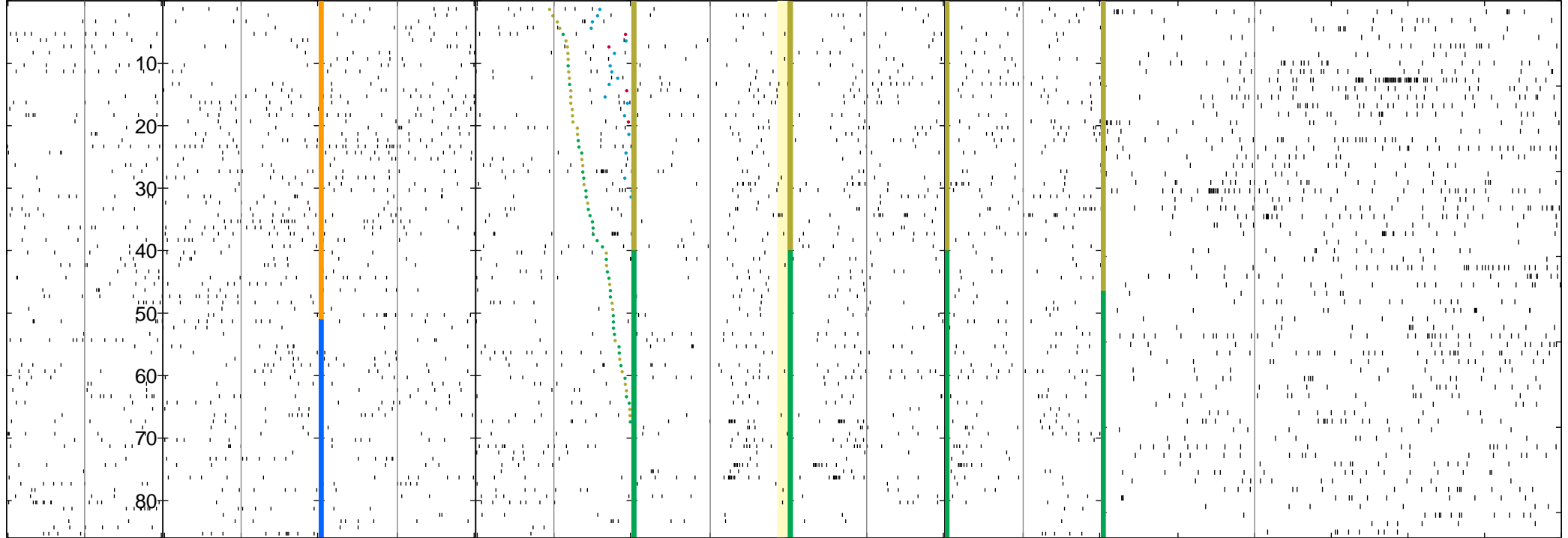
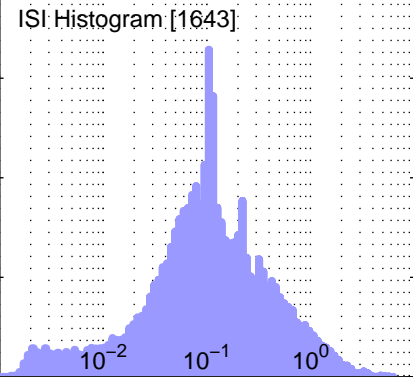
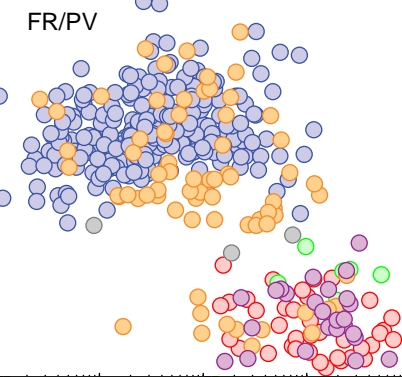
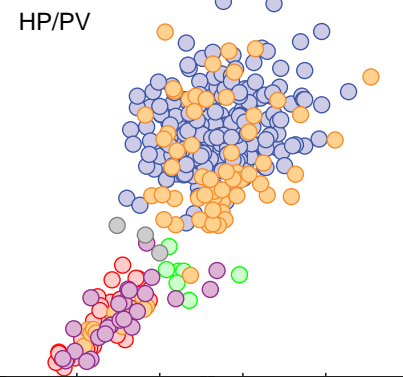
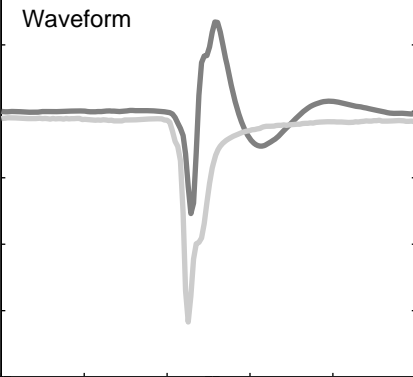


ISI Histogram [1760]

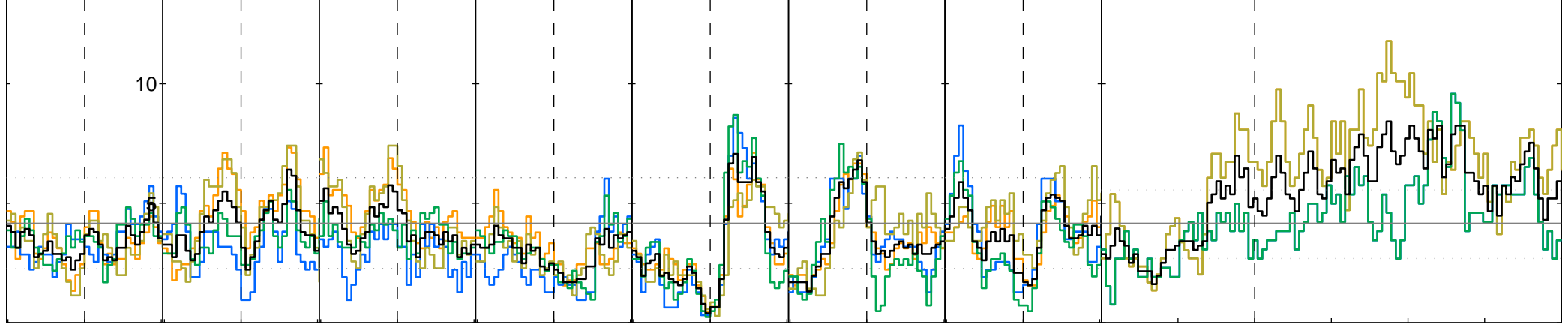


Cell: C0320070611T15a

AP: -2.3 ML: 4.6 DV: 6
w: 4 n: 31203 $P_{ISI>2}$: 0.11
1/2pw: 0 μ s p->v: 0 μ s
 β_T : 3.5 β_D : -3.4
 β_P : 2.7 SI: -0.84
Session FR: 4.16 Hz
Pk Ev: 8 - Reward (T1/Con)
Pk FR: 11.8Hz (0.86s) Inv



1 Cue On [85] 2 Nose In [85] 3 Tone [50,35] 4 Go [85] 5 Choice [39,46] 6 Side In [39,46] 7 Nose Out [39,46] 8 Reward [33,29]



Cell: C0320070621T07e

AP: 0.96 ML: 3.6 DV: 6

w: 4 n: 19071 $P_{ISI>2}$: 0.0031

1/2pw: 104 μ s p \rightarrow v: 354 μ s

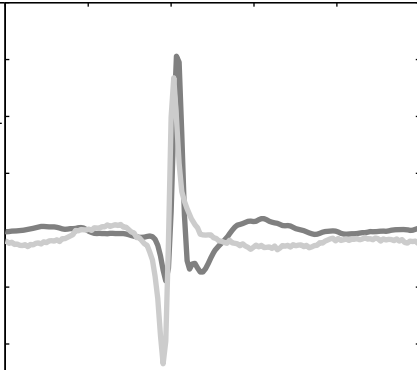
β_T : 2.3 β_D : -2.5

β_P : 3.1 SI: -0.38

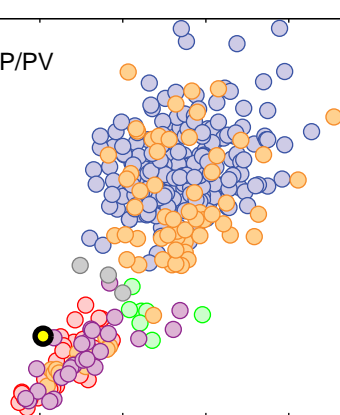
Session FR: 6.2 Hz

Pk Ev: 8 - Reward (T2/Ipsi)

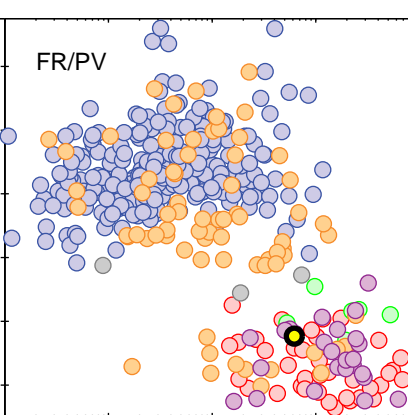
Pk FR: 12.4Hz (1.25s) Inv



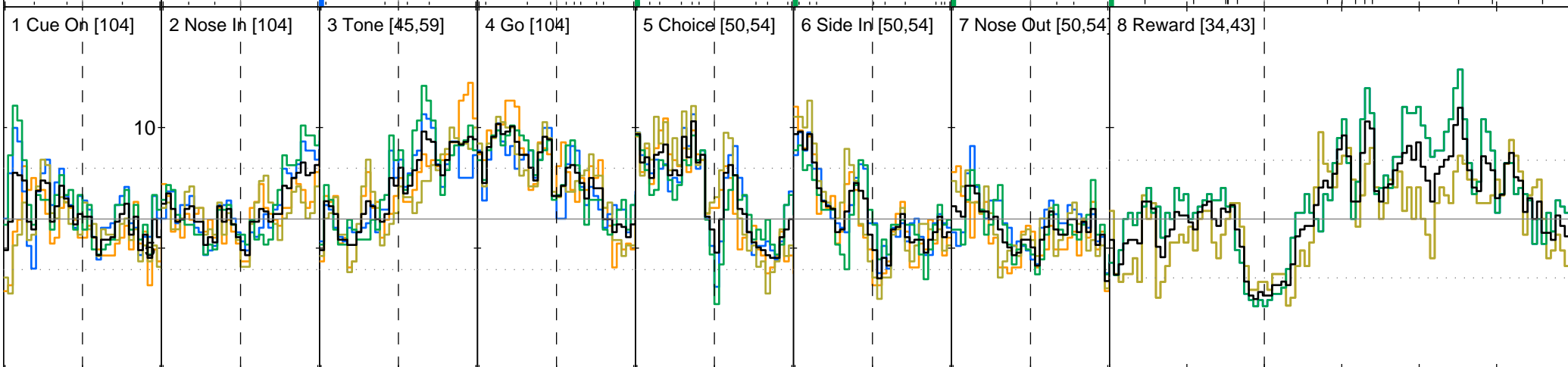
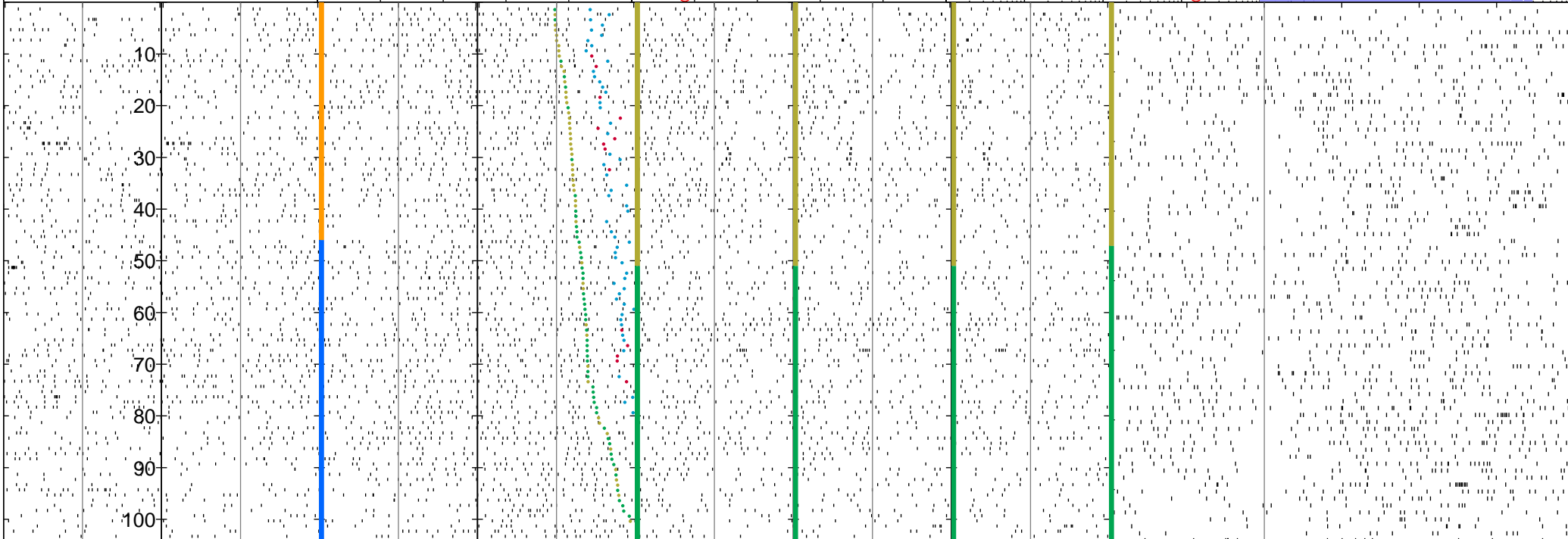
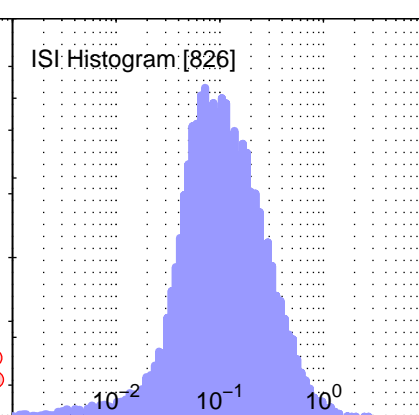
HP/PV



FR/PV



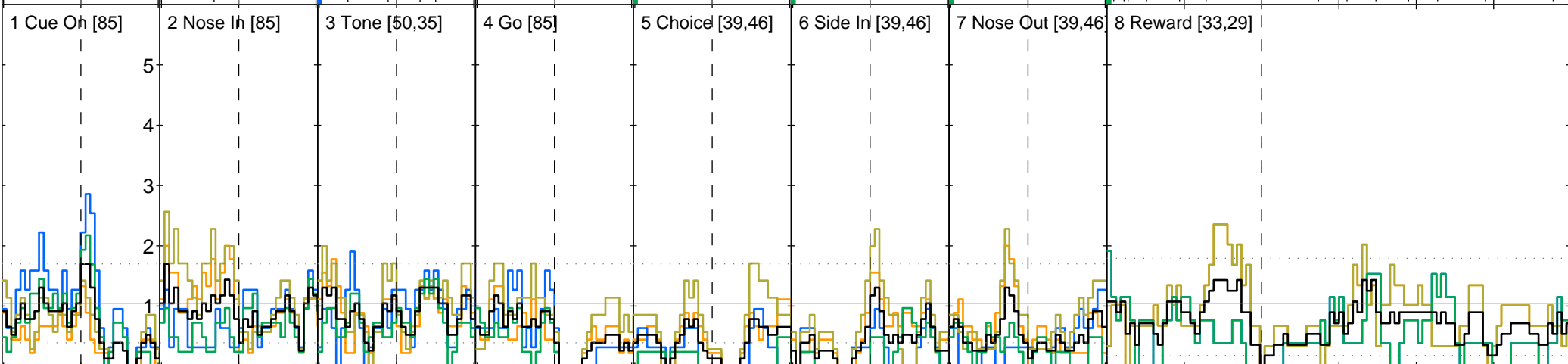
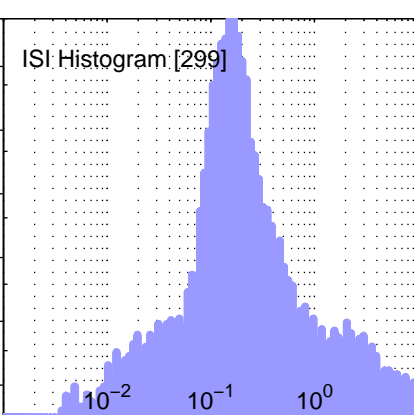
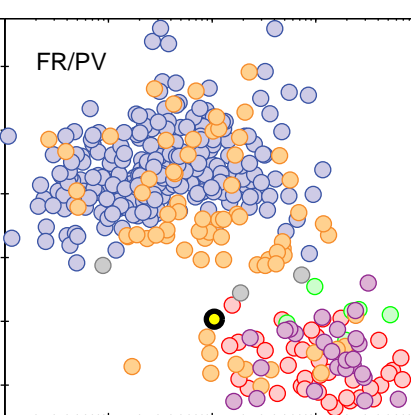
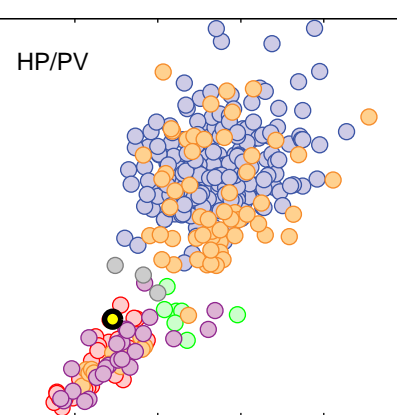
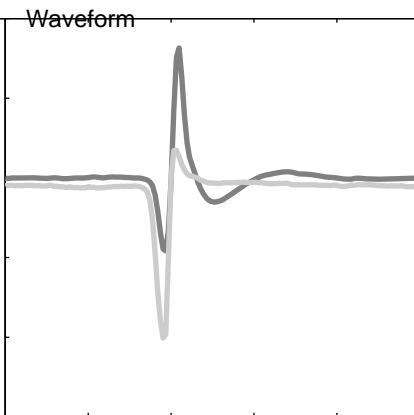
ISI Histogram [826]



Cell: C0320070611T07F

AP: 0.96 ML: 3.6 DV: 5.1
w: 4 n: 7821 $P_{ISI>2}$: 0.73
1/2pw: 146 μ s p->v: 407 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 1.05 Hz
Pk Ev: None
Pk FR: --

Inv



Cell: C0320070613T09e

AP: 1.6 ML: 3.7 DV: 4.7

w: 3 n: 491 $P_{ISI>2}$: 0.95

1/2pw: 94 μ s p->v: 194 μ s

β_T : NaN β_D : NaN

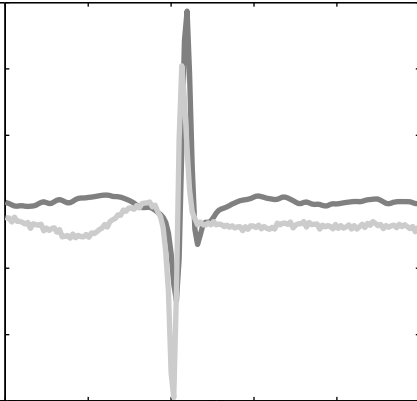
β_P : NaN SI: NaN

Session FR: 0.176 Hz

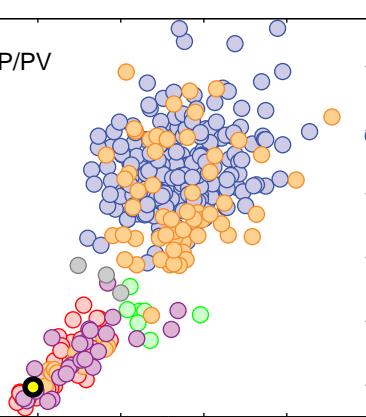
Pk Ev: None

Pk FR: --

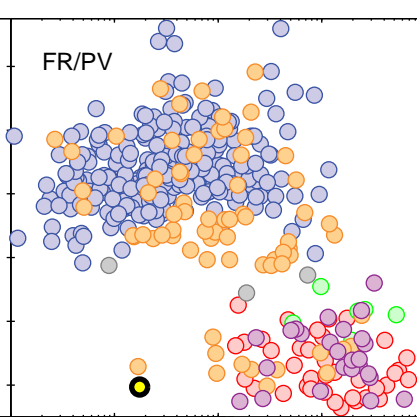
Inv



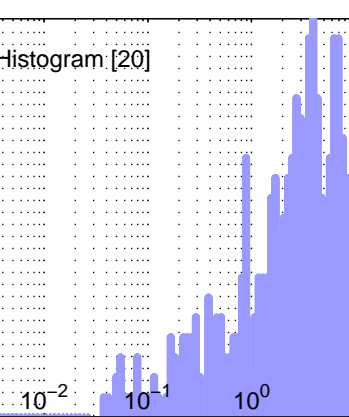
HP/PV



FR/PV



ISI Histogram [20]



10

20

30

40

50

60

70

1 Cue On [74]

2 Nose In [74]

3 Tone [35,39]

4 Go [74]

5 Choice [38,36]

6 Side In [38,36]

7 Nose Out [38,36]

8 Reward [26,28]

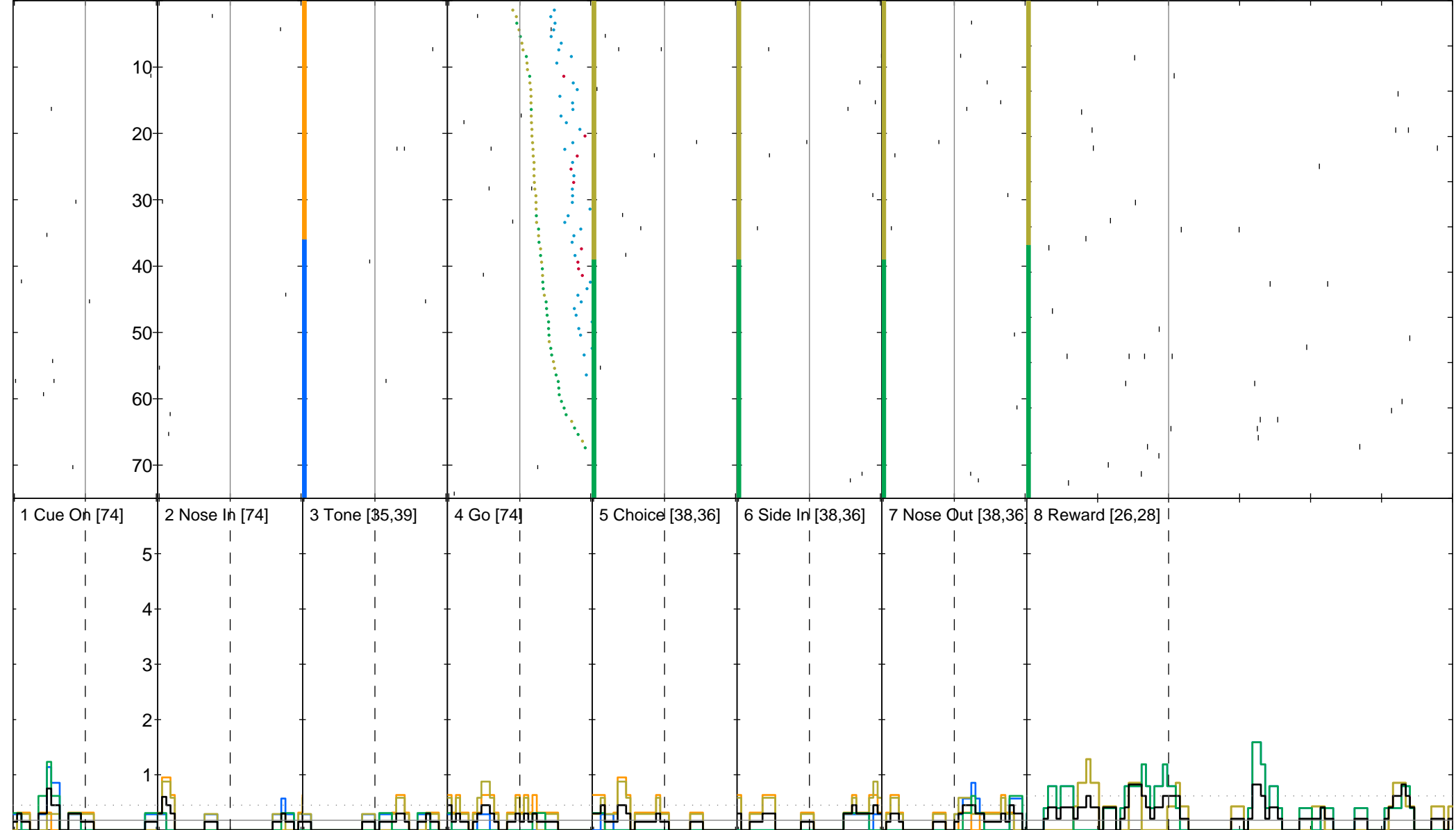
5

4

3

2

1



Cell: C0320070618T07k

AP: 0.96 ML: 3.6 DV: 5.6

w: 4 n: 206 $P_{ISI>2}$: 1

1/2pw: 253 μ s p->v: 634 μ s

β_T : NaN β_D : NaN

β_P : NaN SI: NaN

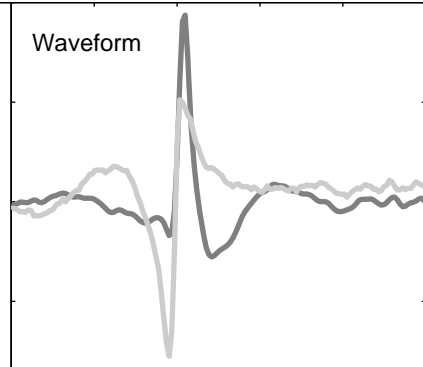
Session FR: 0.042 Hz

Pk Ev: None

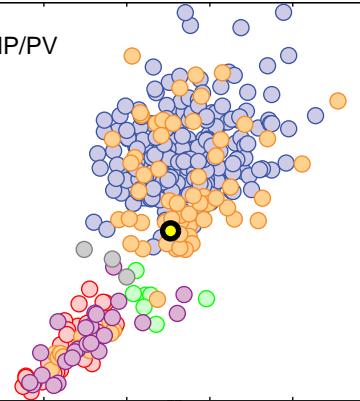
Pk FR: --

Inv

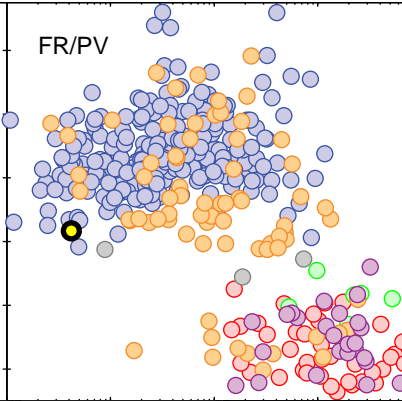
Waveform



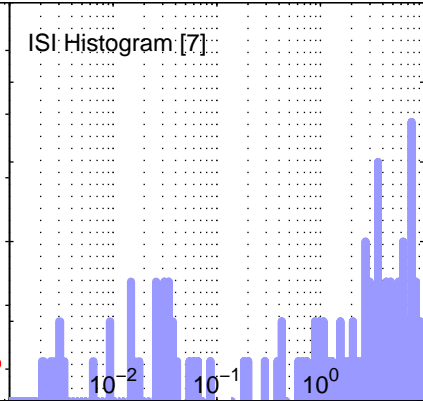
HP/PV



FR/PV



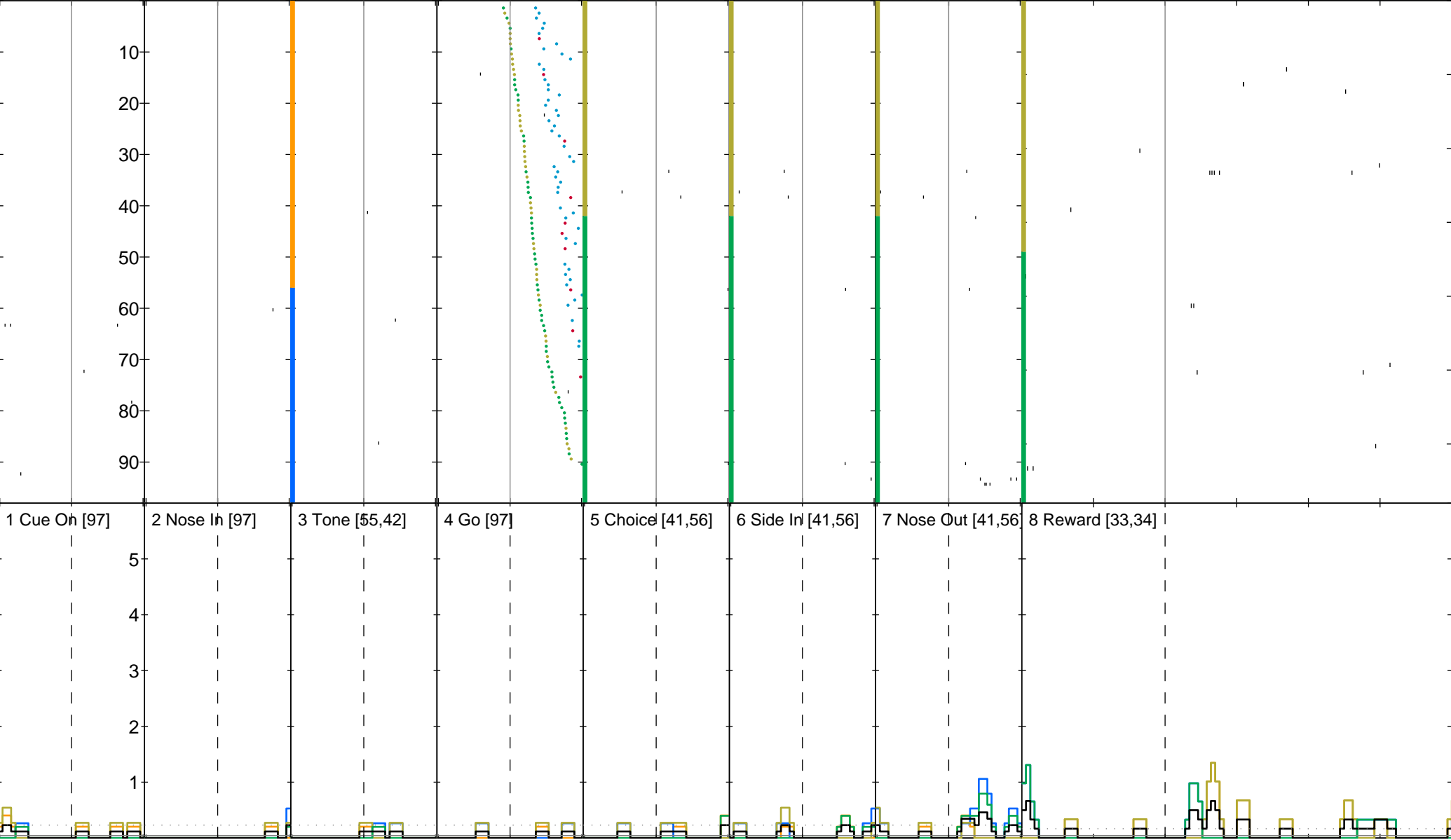
ISI Histogram [7]



10
20
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40
50
60
70
80
90

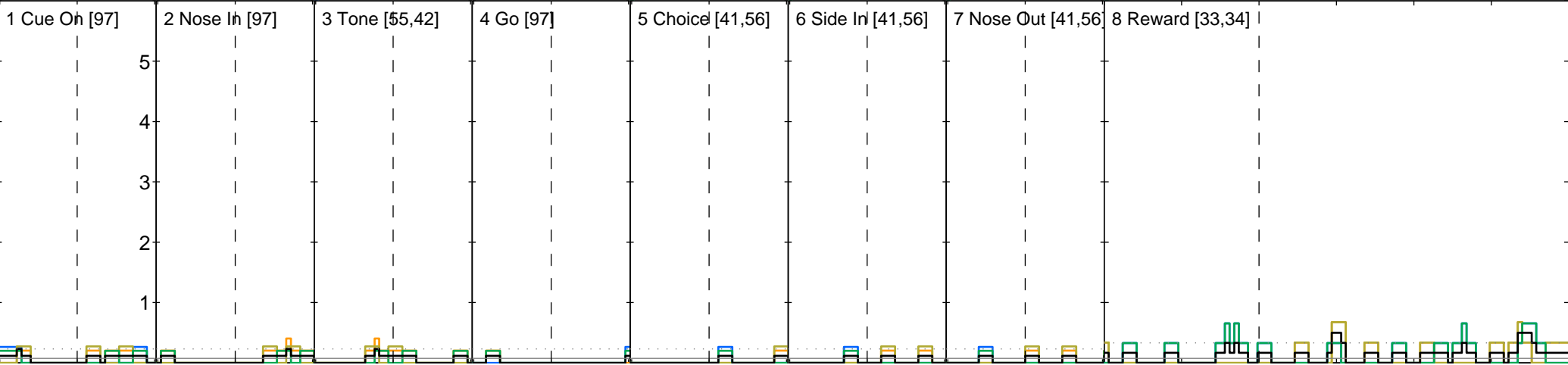
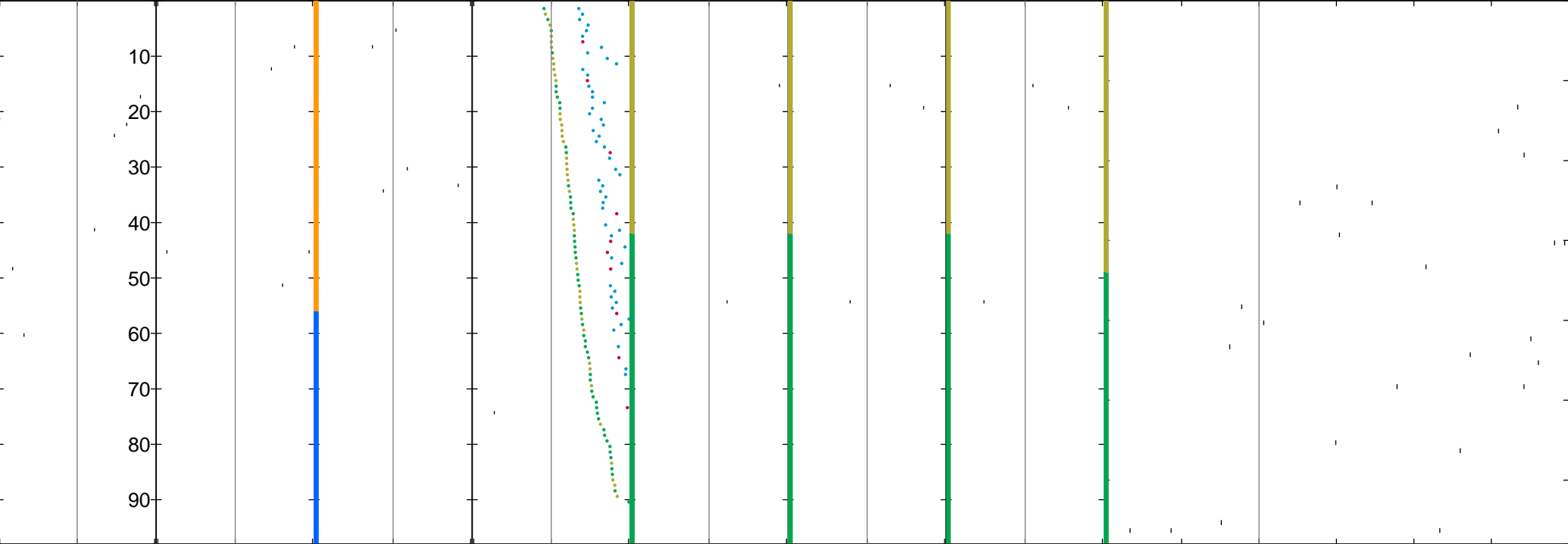
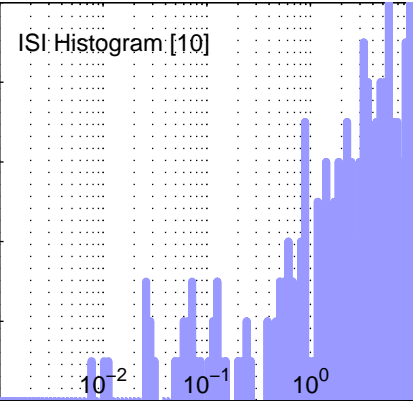
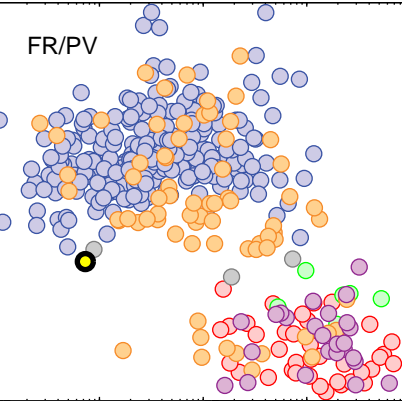
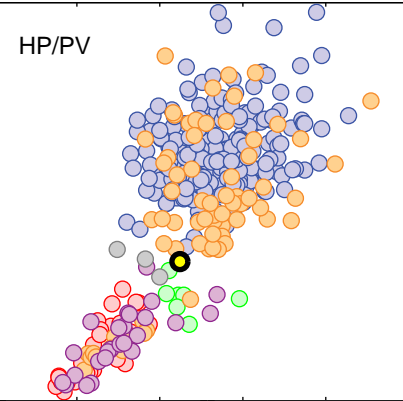
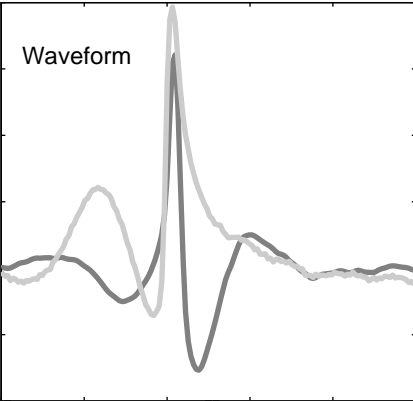
1 Cue On [97] 2 Nose In [97] 3 Tone [55,42] 4 Go [97] 5 Choice [41,56] 6 Side In [41,56] 7 Nose Out [41,56] 8 Reward [33,34]

5
4
3
2
1



Cell: C0320070618T09F

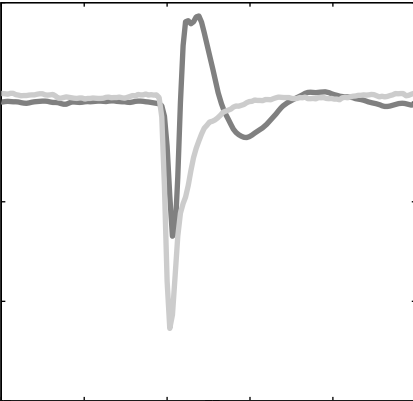
AP: 1.6 ML: 3.7 DV: 4.9
w: 3 n: 366 $P_{ISI>2}$: 0.99
1/2pw: 224 μ s p->v: 538 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.073 Hz
Pk Ev: None
Pk FR: --



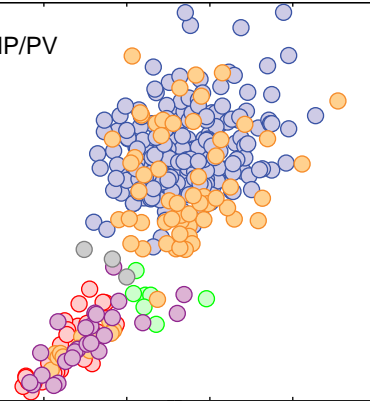
Cell: C0320070619T11b

AP: -0.96 ML: 3.7 DV: 5.4
w: 4 n: 182 $P_{ISI>2}$: 1
1/2pw: 0 μ s p->v: 0 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.0431 Hz
Pk Ev: None
Pk FR: --

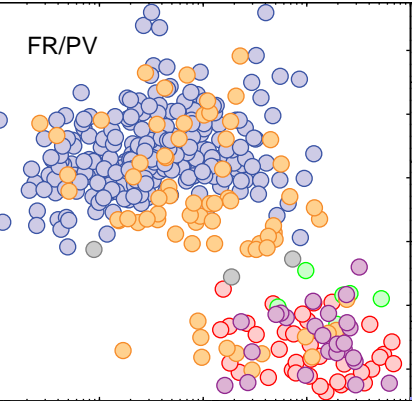
Inv



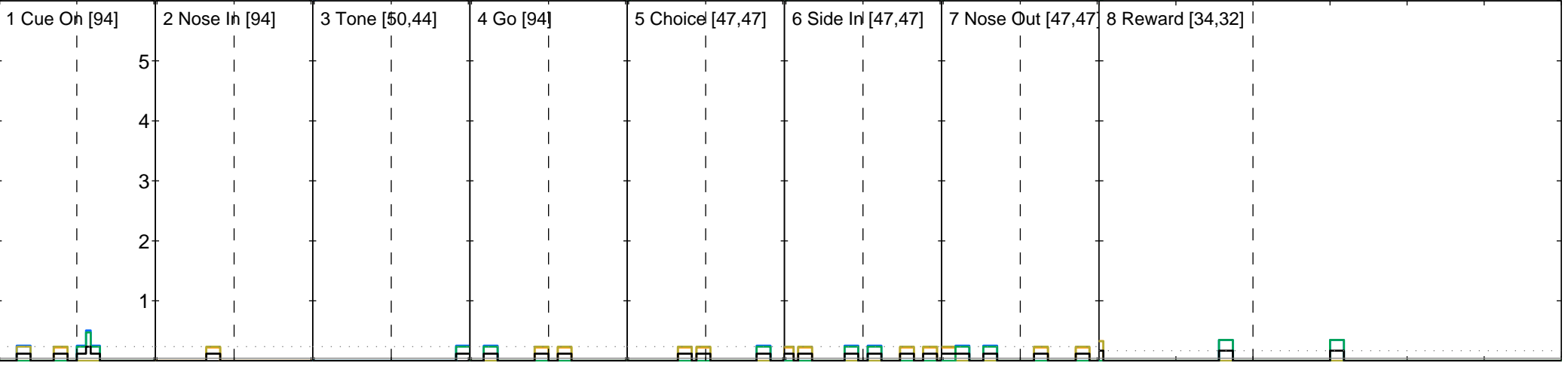
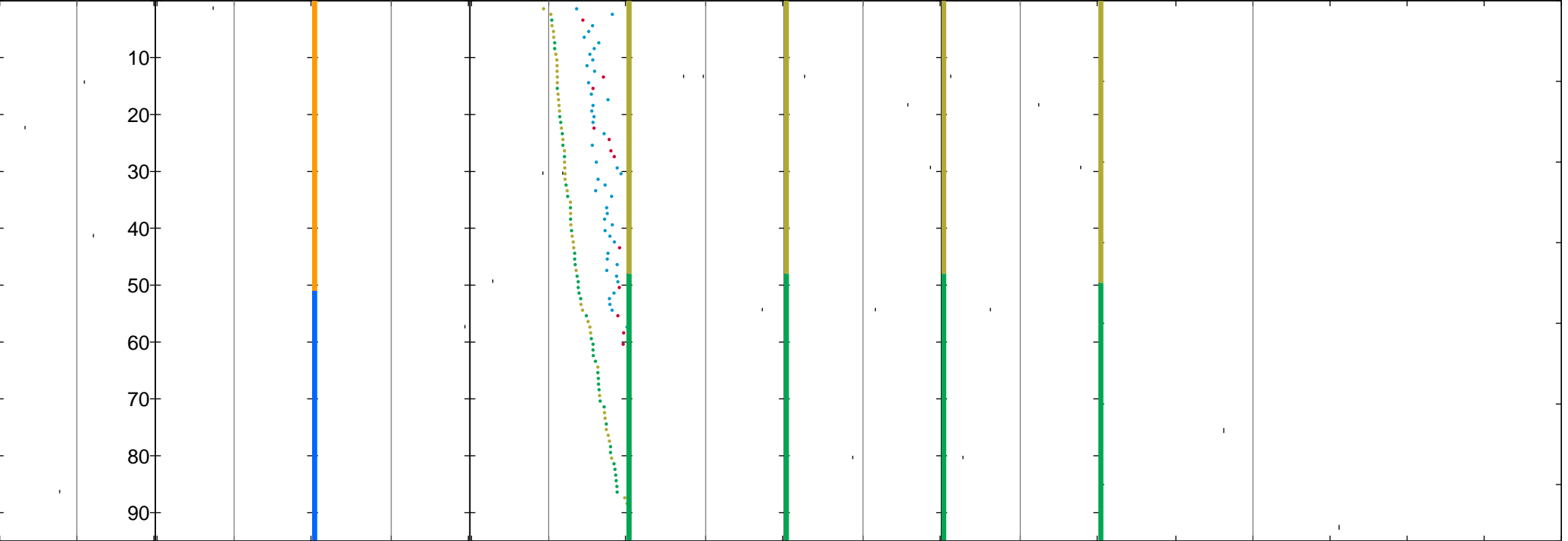
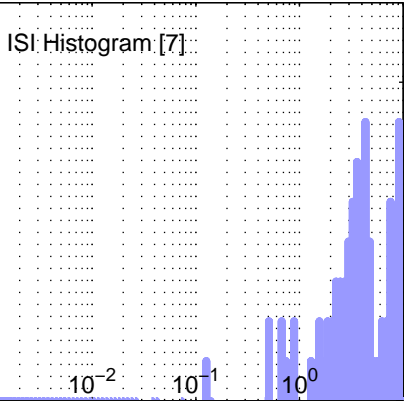
HP/PV



FR/PV

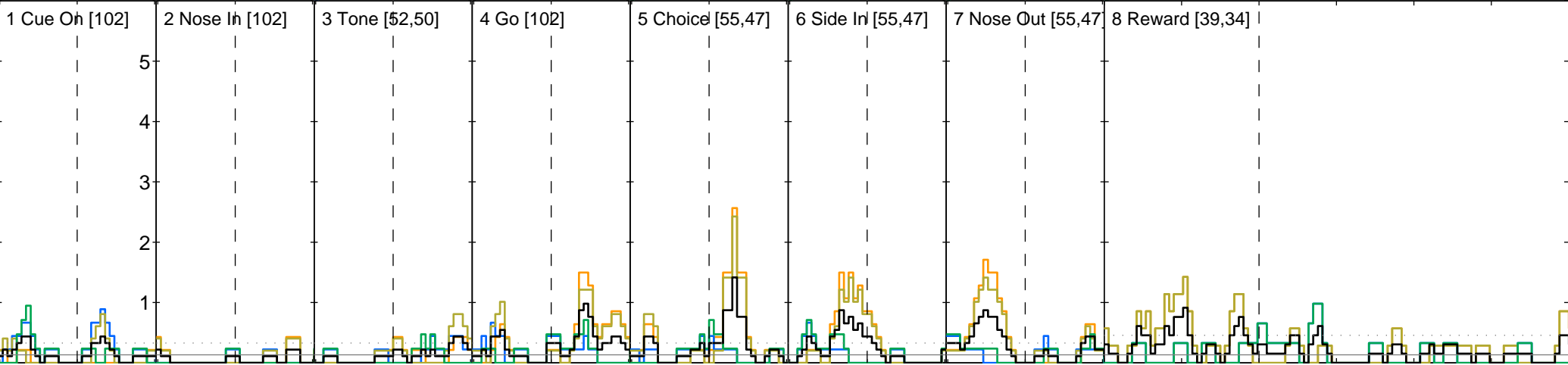
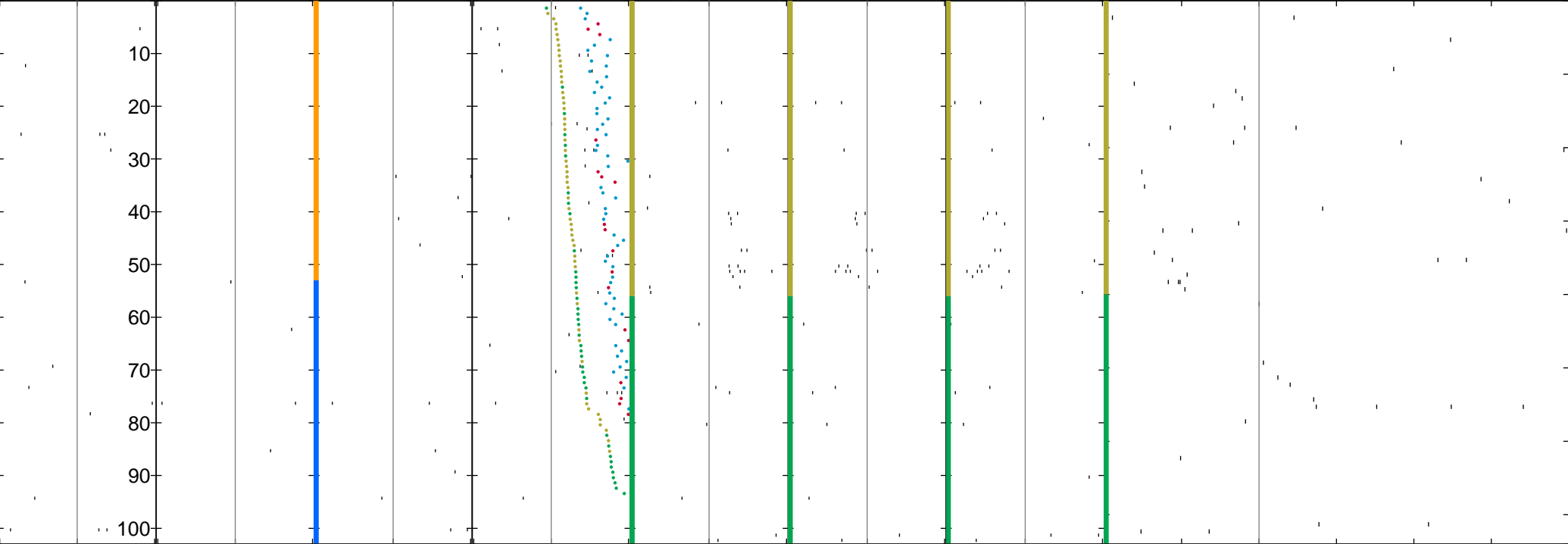
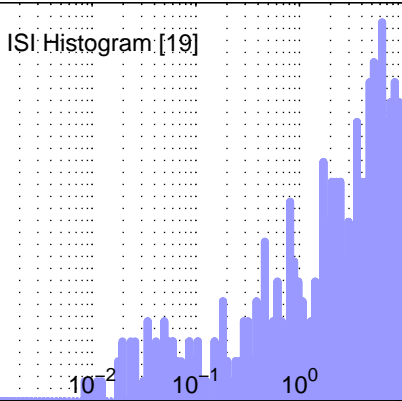
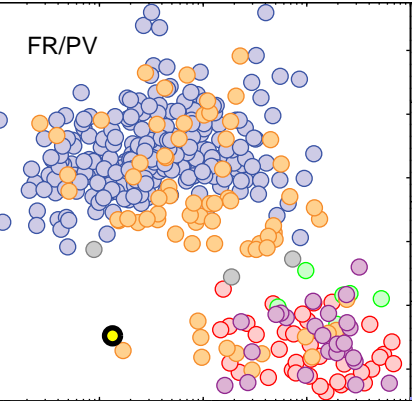
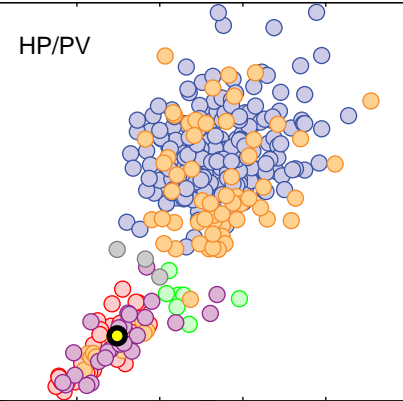
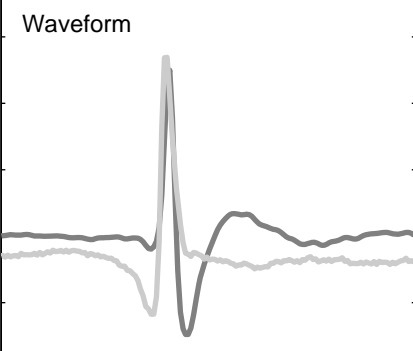


ISI Histogram [7]



Cell: C0320070623T09e

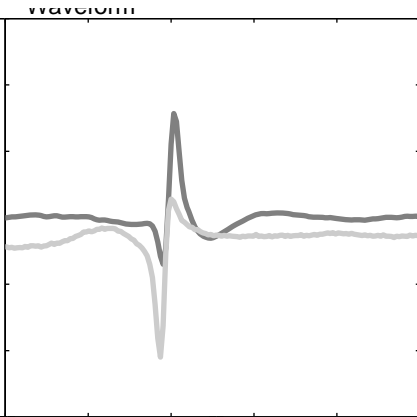
AP: 1.6 ML: 3.7 DV: 5.3
w: 2 n: 507 $P_{ISI>2}$: 0.97
1/2pw: 149 μ s p->v: 304 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.134 Hz
Pk Ev: None
Pk FR: --



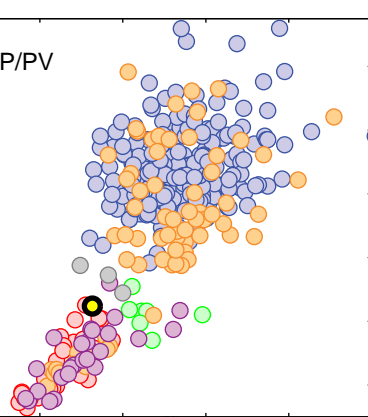
Cell: C0320070630T09d

AP: 1.6 ML: 3.7 DV: 6.2
w: 1 n: 1523 $P_{ISI>2}$: 0.78
1/2pw: 163 μ s p->v: 448 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.502 Hz
Pk Ev: None
Pk FR: --

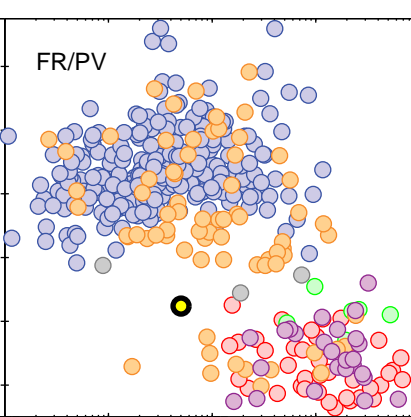
Inv



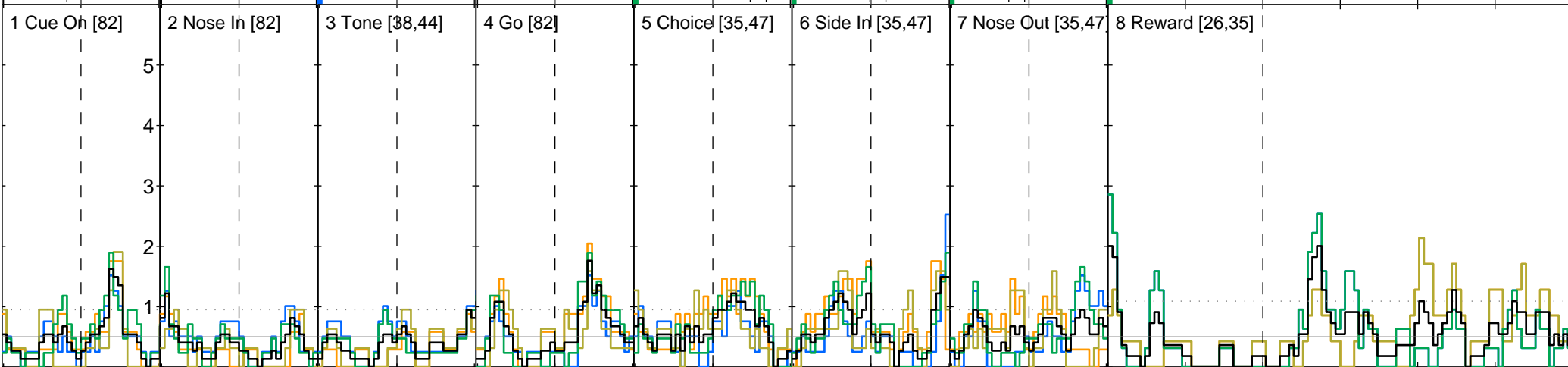
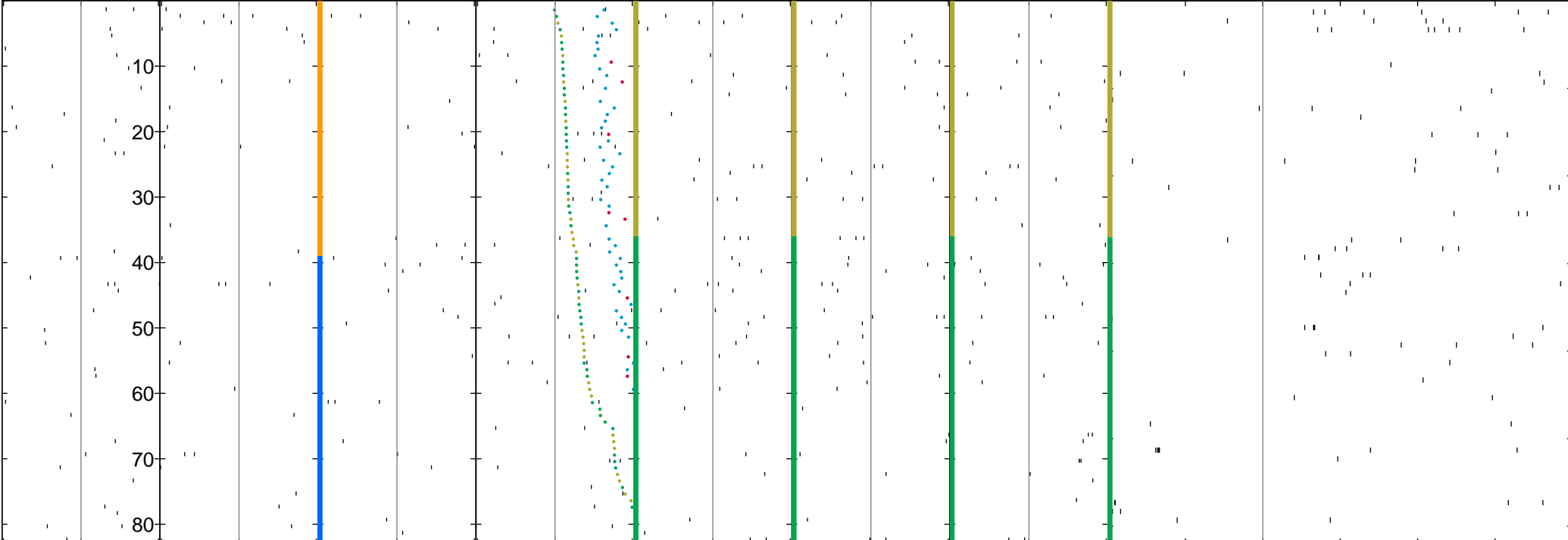
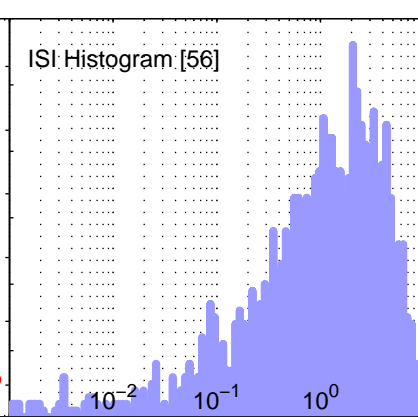
HP/PV



FR/PV



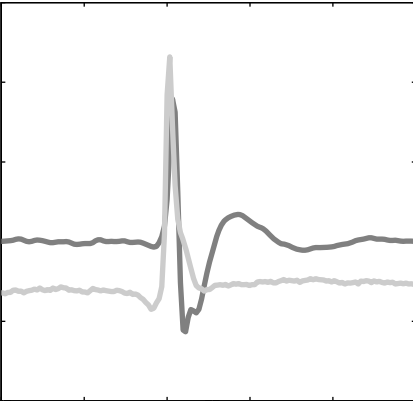
ISI Histogram [56]



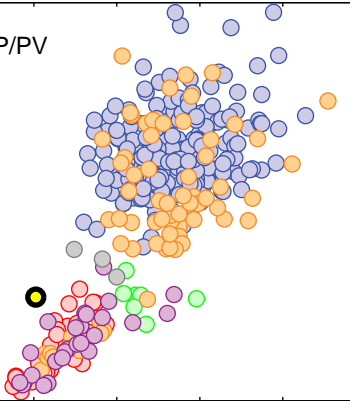
Cell: C0320070702T07d

AP: 0.96 ML: 3.6 DV: 7.8
w: 4 n: 5492 $P_{ISI>2}$: 0.72
1/2pw: 102 μ s p->v: 426 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 1.12 Hz
Pk Ev: None
Pk FR: --

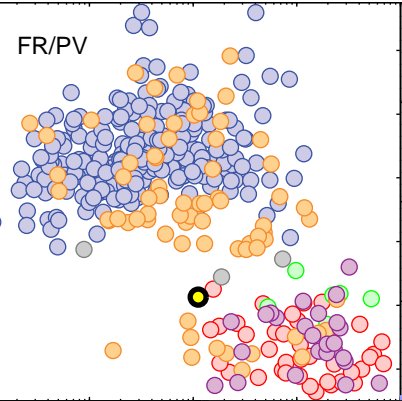
Inv



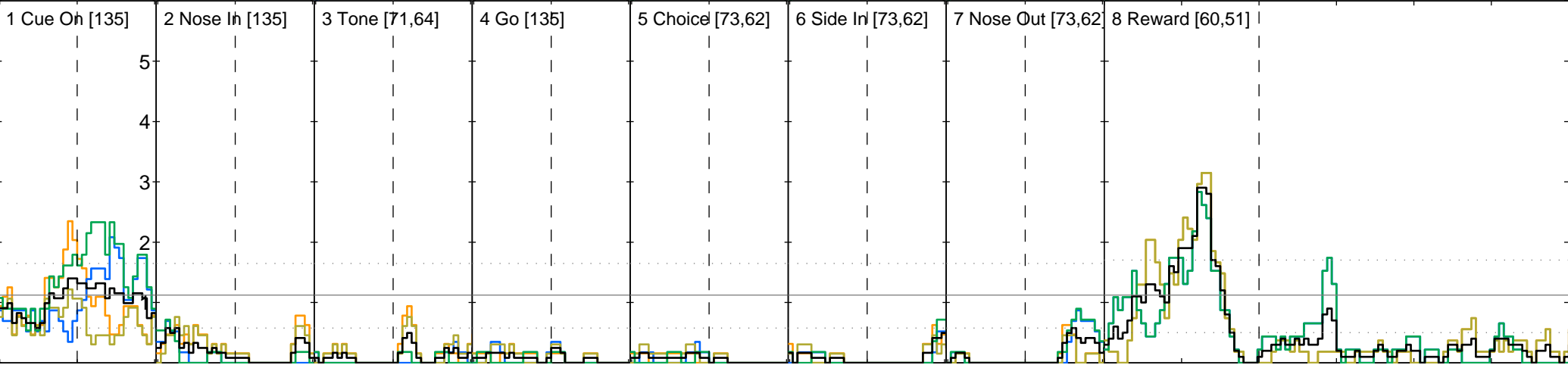
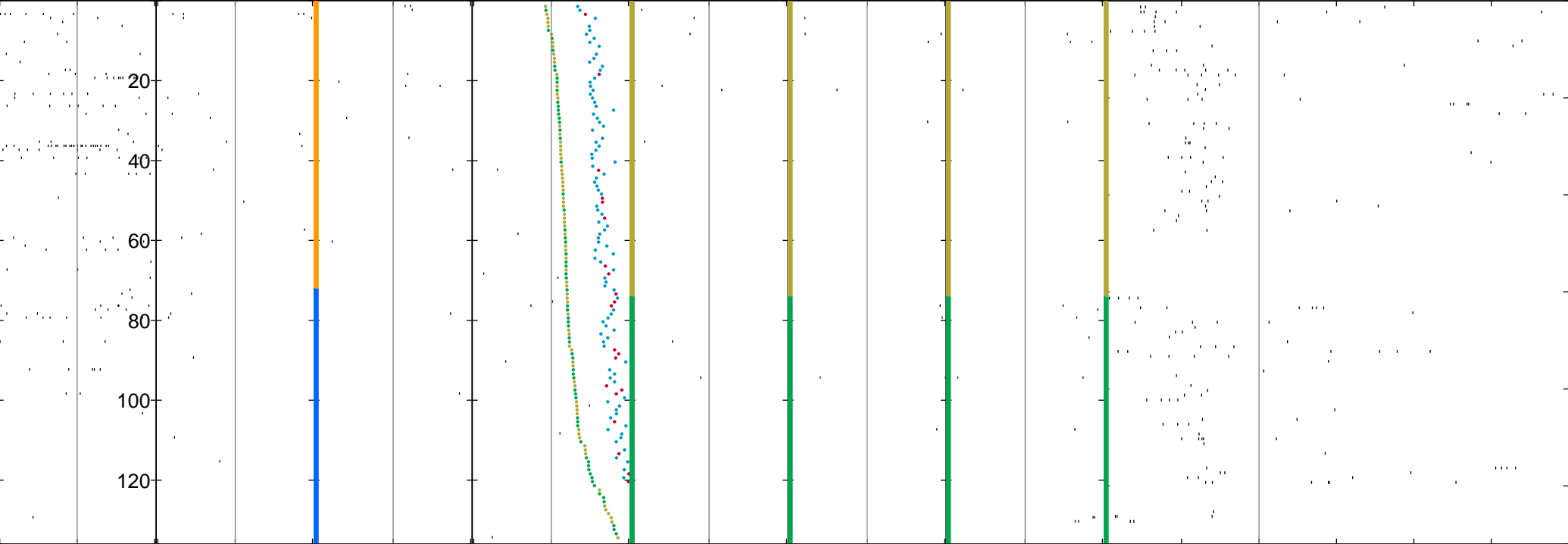
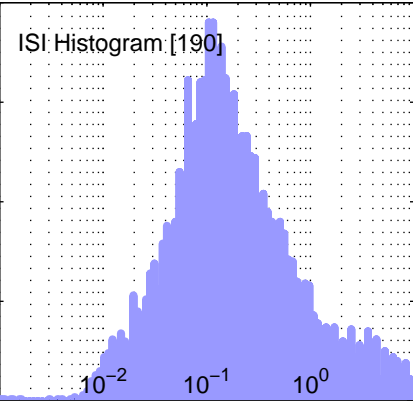
HP/PV



FR/PV



ISI Histogram [190]



Cell: C0320070702T11a

AP: -0.96 ML: 3.7 DV: 7.4

w: 1 n: 3511 $P_{ISI>2}$: 0.48

1/2pw: 195 μ s p->v: 466 μ s

β_T : NaN β_D : NaN

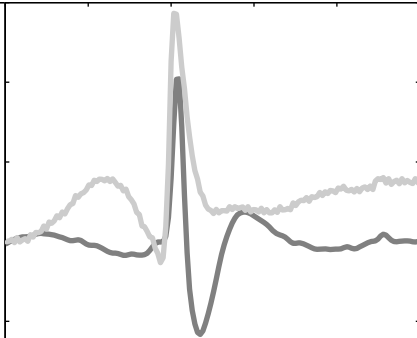
β_P : NaN SI: NaN

Session FR: 1 Hz

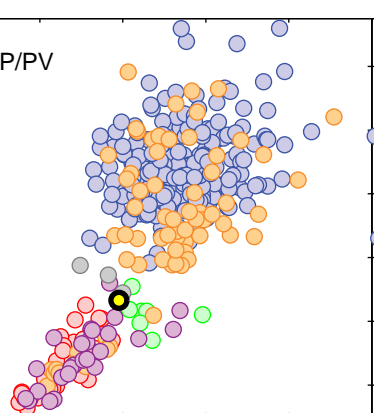
Pk Ev: None

Pk FR: --

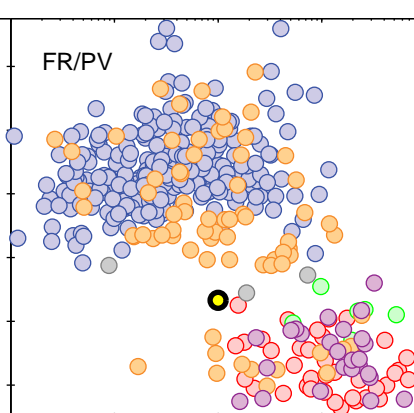
Inv



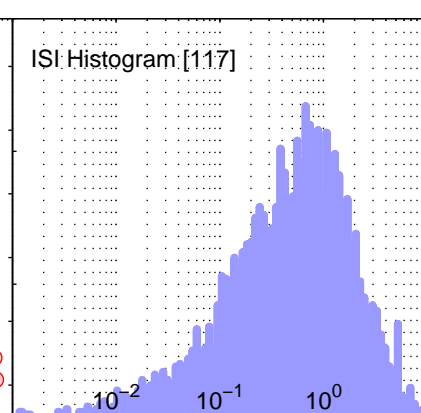
HP/PV



FR/PV



ISI Histogram [117]



10

20

30

40

50

60

70

80

1 Cue On [87]

2 Nose In [87]

3 Tone [47,40]

4 Go [87]

5 Choice [48,39]

6 Side In [48,39]

7 Nose Out [48,39]

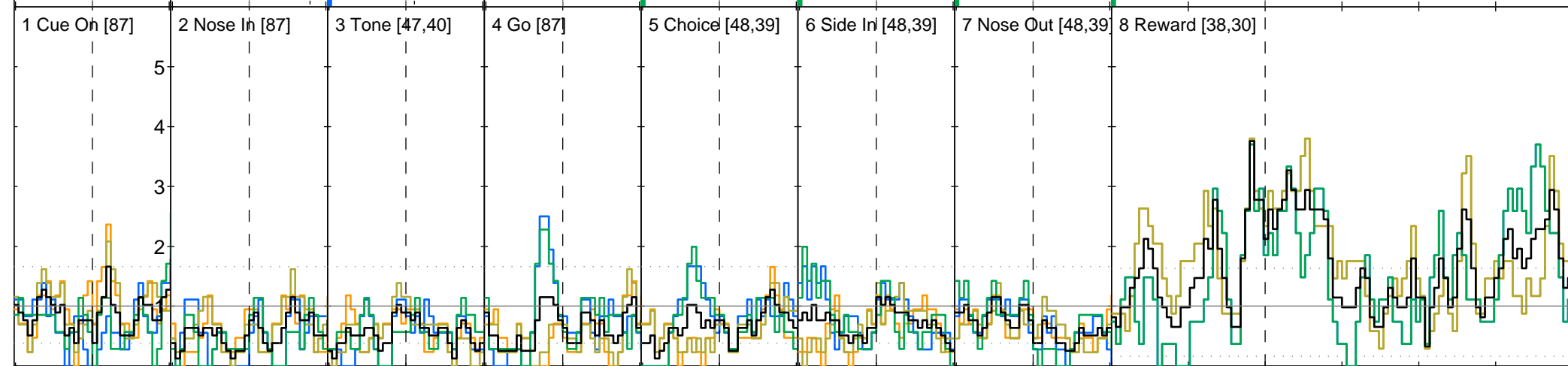
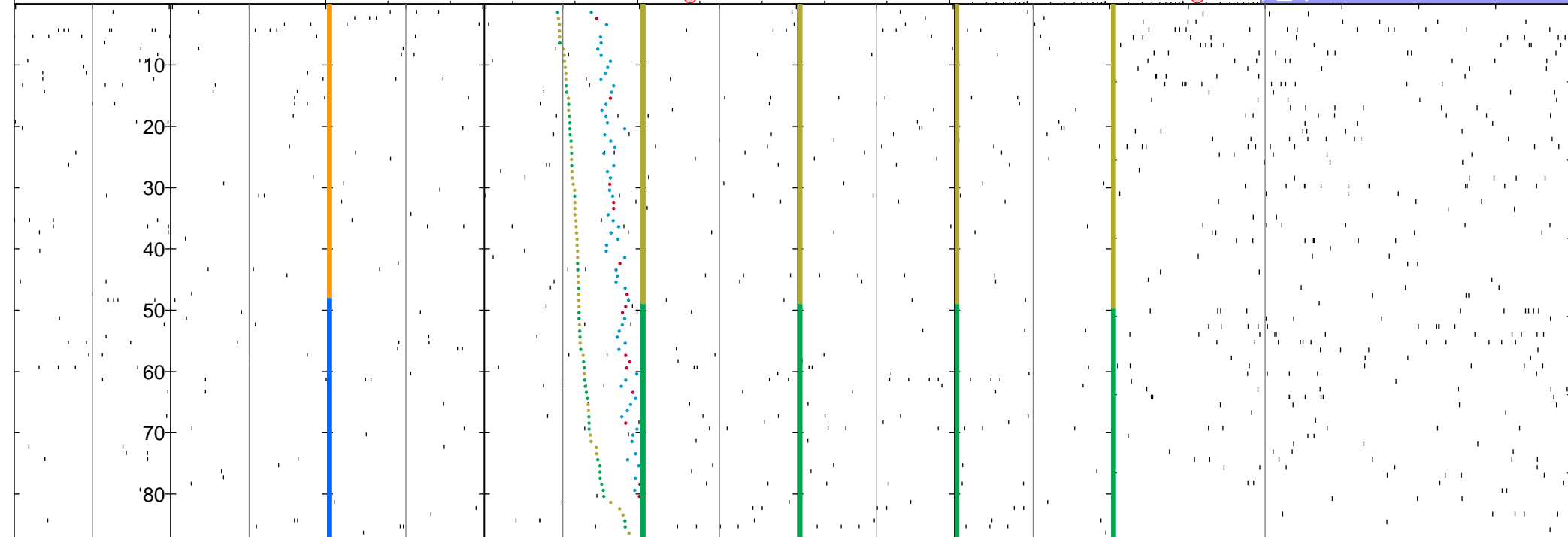
8 Reward [38,30]

5

4

3

2

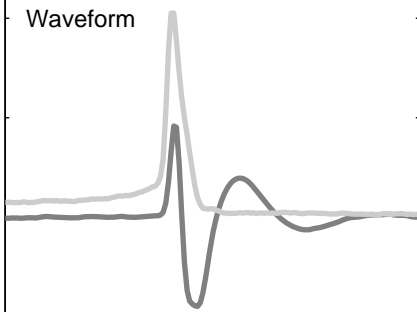


Cell: C0420070314T05d

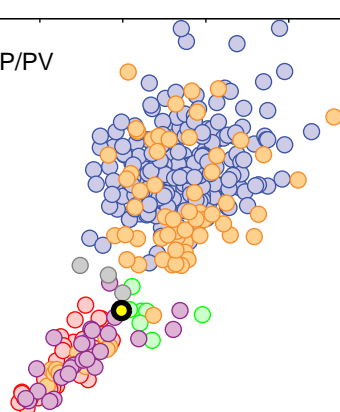
AP: 2.5 ML: 1.3 DV: 6.7
w: 2 n: 913 $P_{ISI>2}$: 0.97
1/2pw: 198 μ s p->v: 434 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.125 Hz
Pk Ev: None
Pk FR: --

Inv

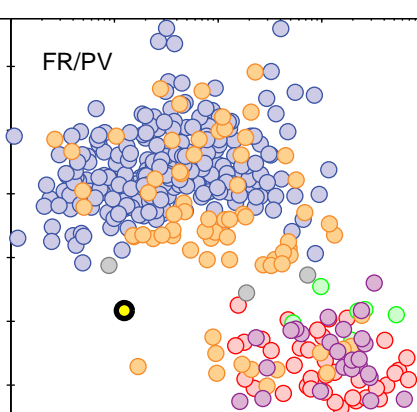
Waveform



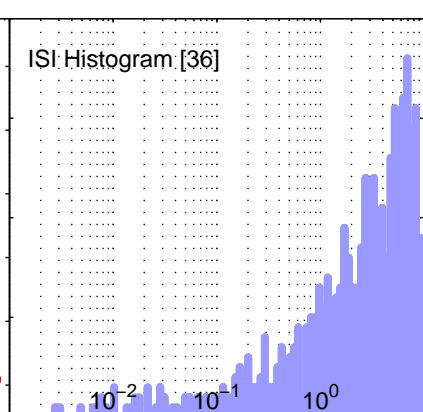
HP/PV



FR/PV



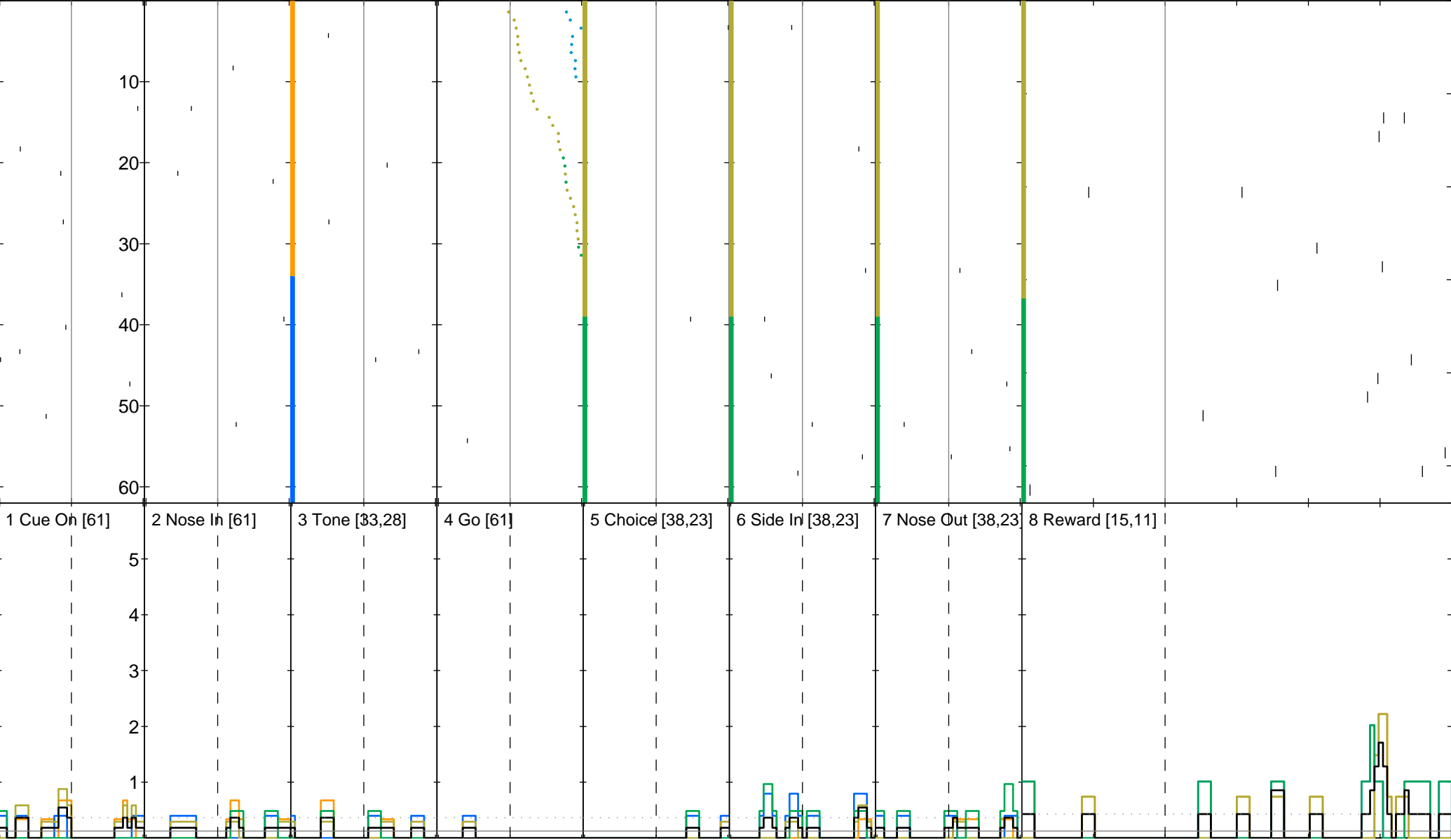
ISI Histogram [36]



10
20
30
40
50
60

1 Cue On [61] 2 Nose In [61] 3 Tone [33,28] 4 Go [61] 5 Choice [38,23] 6 Side In [38,23] 7 Nose Out [38,23] 8 Reward [15,11]

5
4
3
2
1

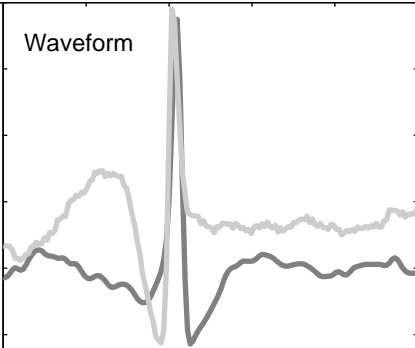


Cell: C0520070406T11f

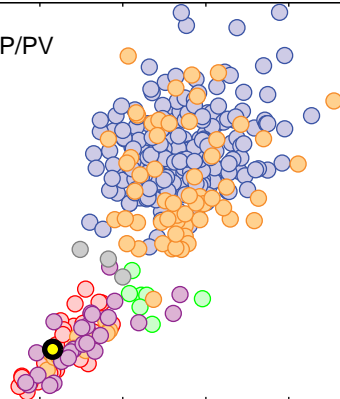
AP: -0.48 ML: 4.6 DV: 4.5
w: 4 n: 4013 $P_{ISI>2}$: 0.56
1/2pw: 115 μ s p->v: 262 μ s
 β_T : 1.6 β_D : -3.4
 β_P : -2.5 SI: NaN
Session FR: 0.92 Hz
Pk Ev: None
Pk FR: --

Inv

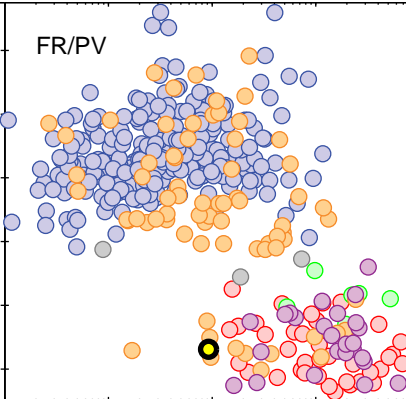
Waveform



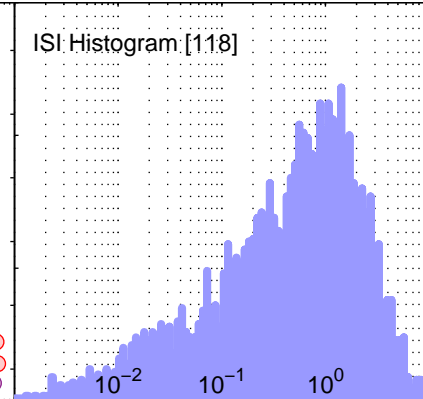
HP/PV



FR/PV



ISI Histogram [118]



50

100

150

1 Cue On [151]

2 Nose In [151]

3 Tone [67,84]

4 Go [151]

5 Choice [75,76]

6 Side In [75,76]

7 Nose Out [75,76]

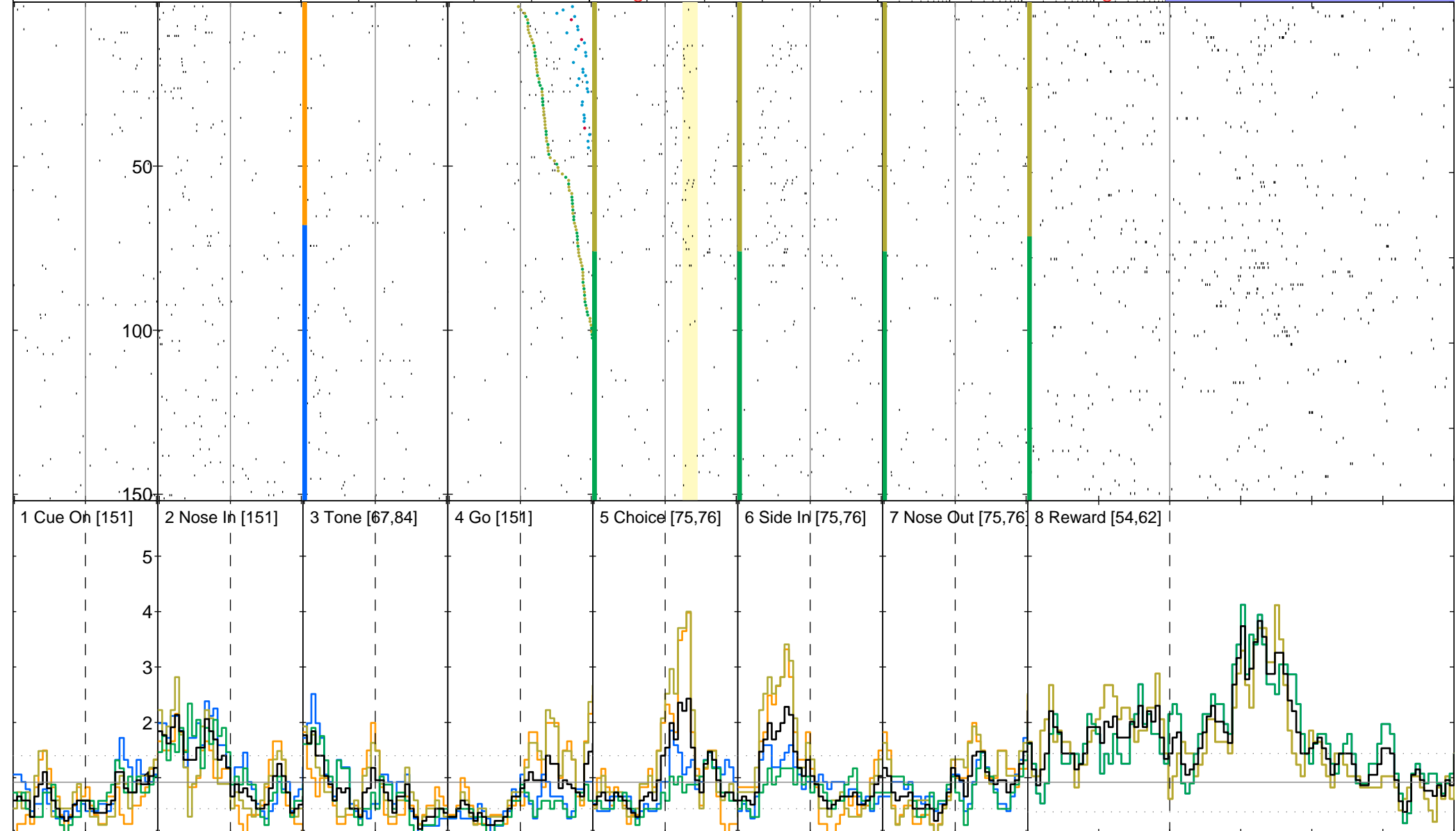
8 Reward [54,62]

5

4

3

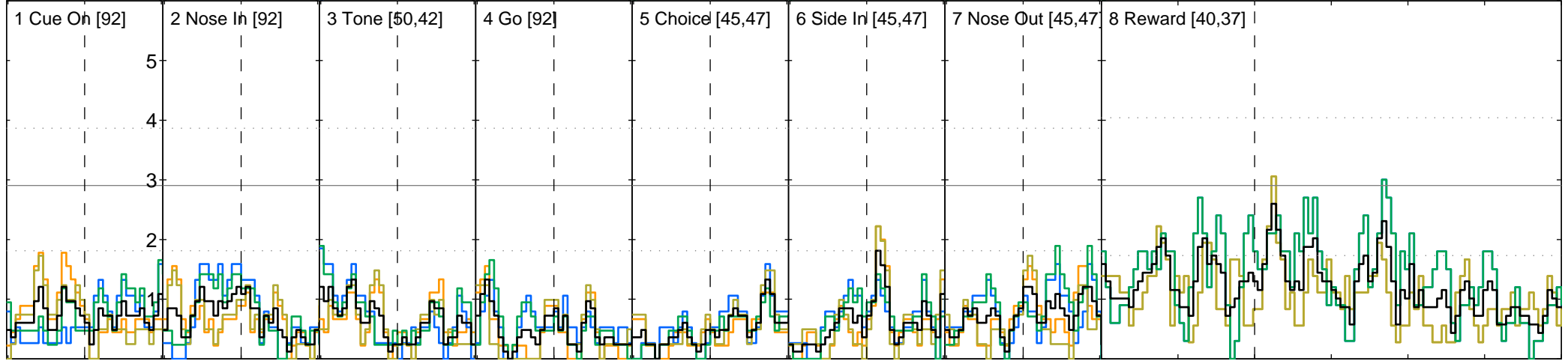
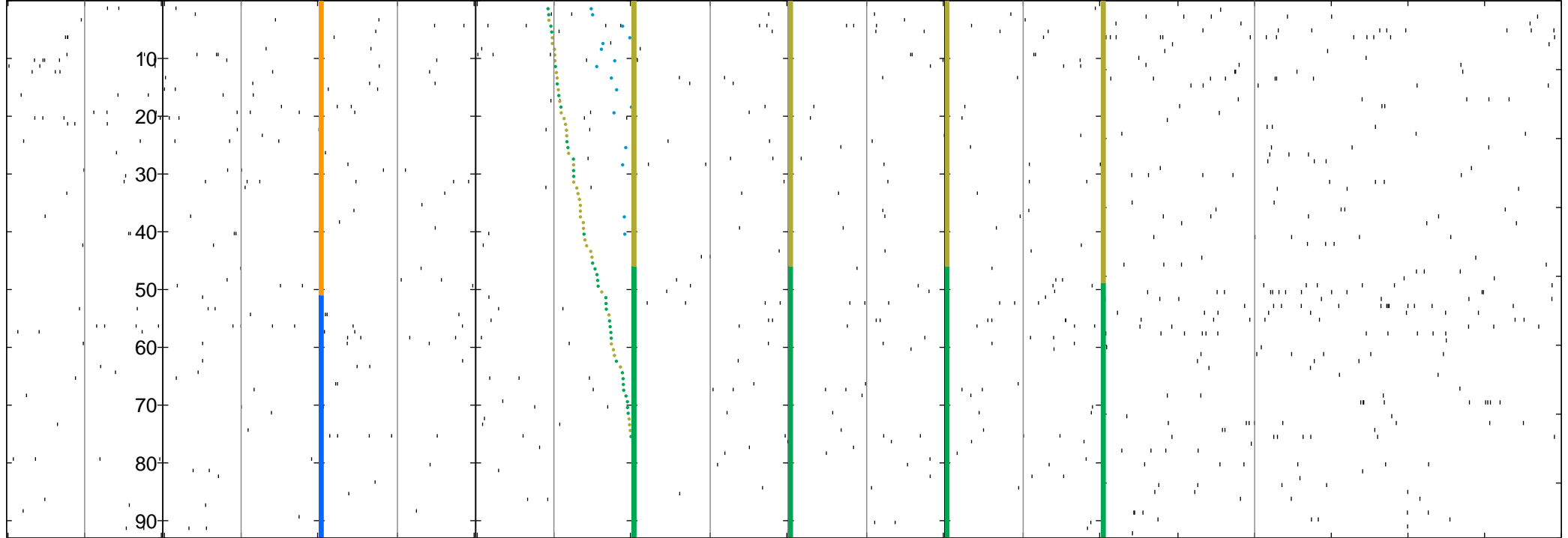
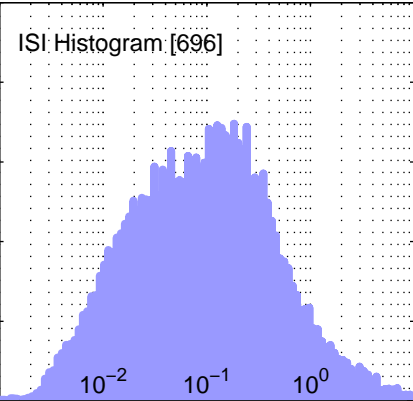
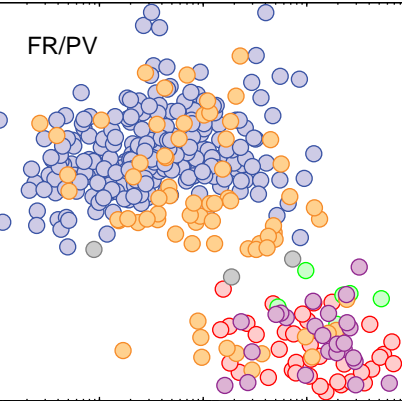
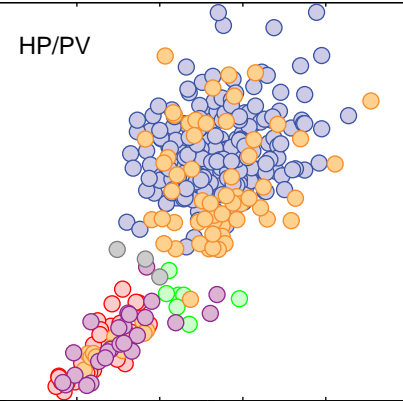
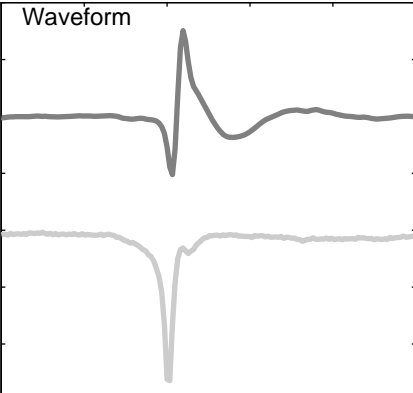
2



Cell: C1220071117T05c

AP: 1.4 ML: 2.1 DV: 7.5
w: 3 n: 29788 $P_{ISI>2}$: 0.4
1/2pw: 0 μ s p->v: 0 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 2.9 Hz
Pk Ev: None
Pk FR: --

Inv



Cell: C1220071117T05d

AP: 1.4 ML: 2.1 DV: 7.5
w: 3 n: 3539 $P_{ISI>2}$: 0.89
1/2pw: 243 μ s p->v: 629 μ s
 β_T : NaN β_D : NaN
 β_P : NaN SI: NaN
Session FR: 0.346 Hz
Pk Ev: None
Pk FR: --

Inv

