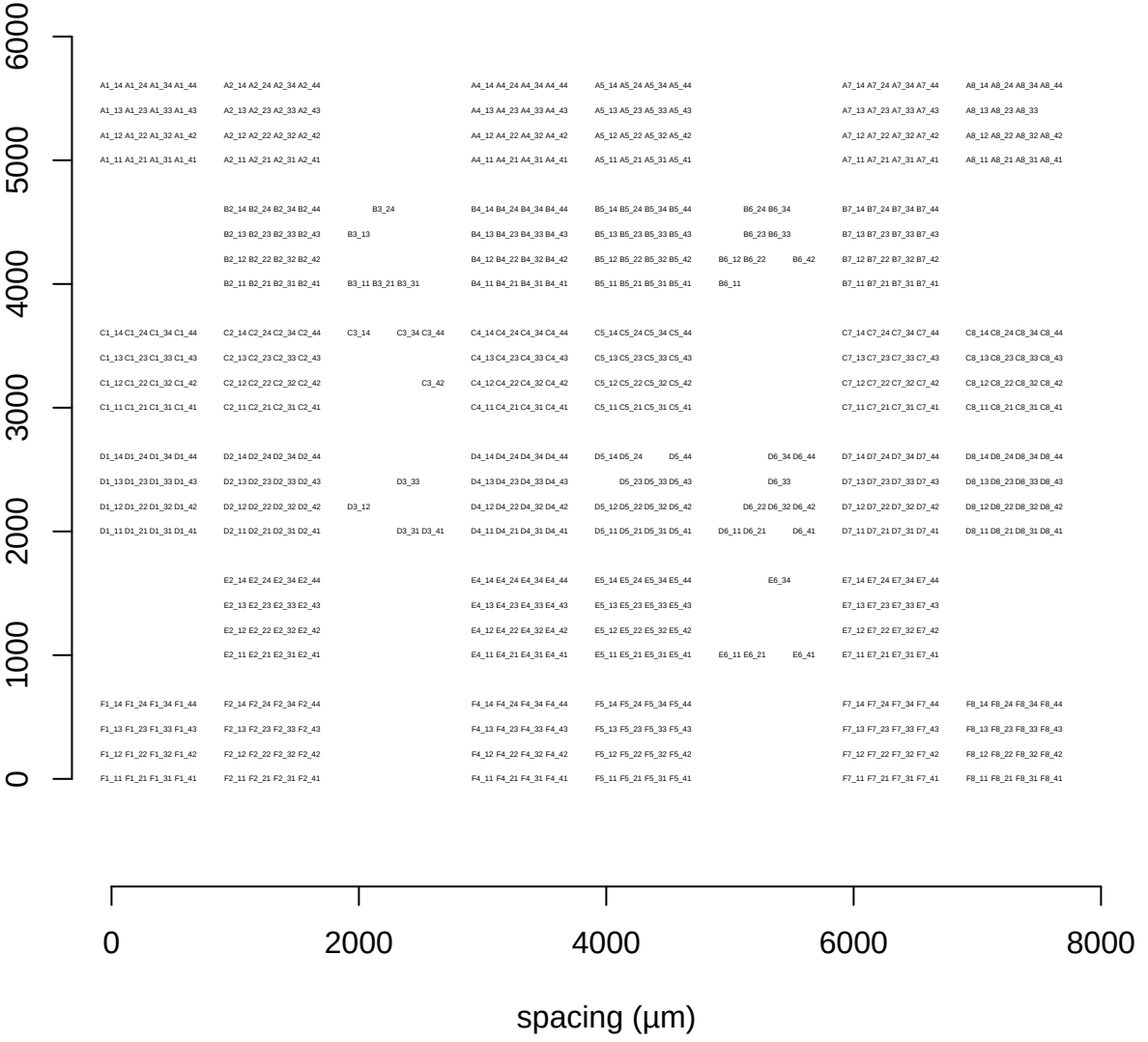
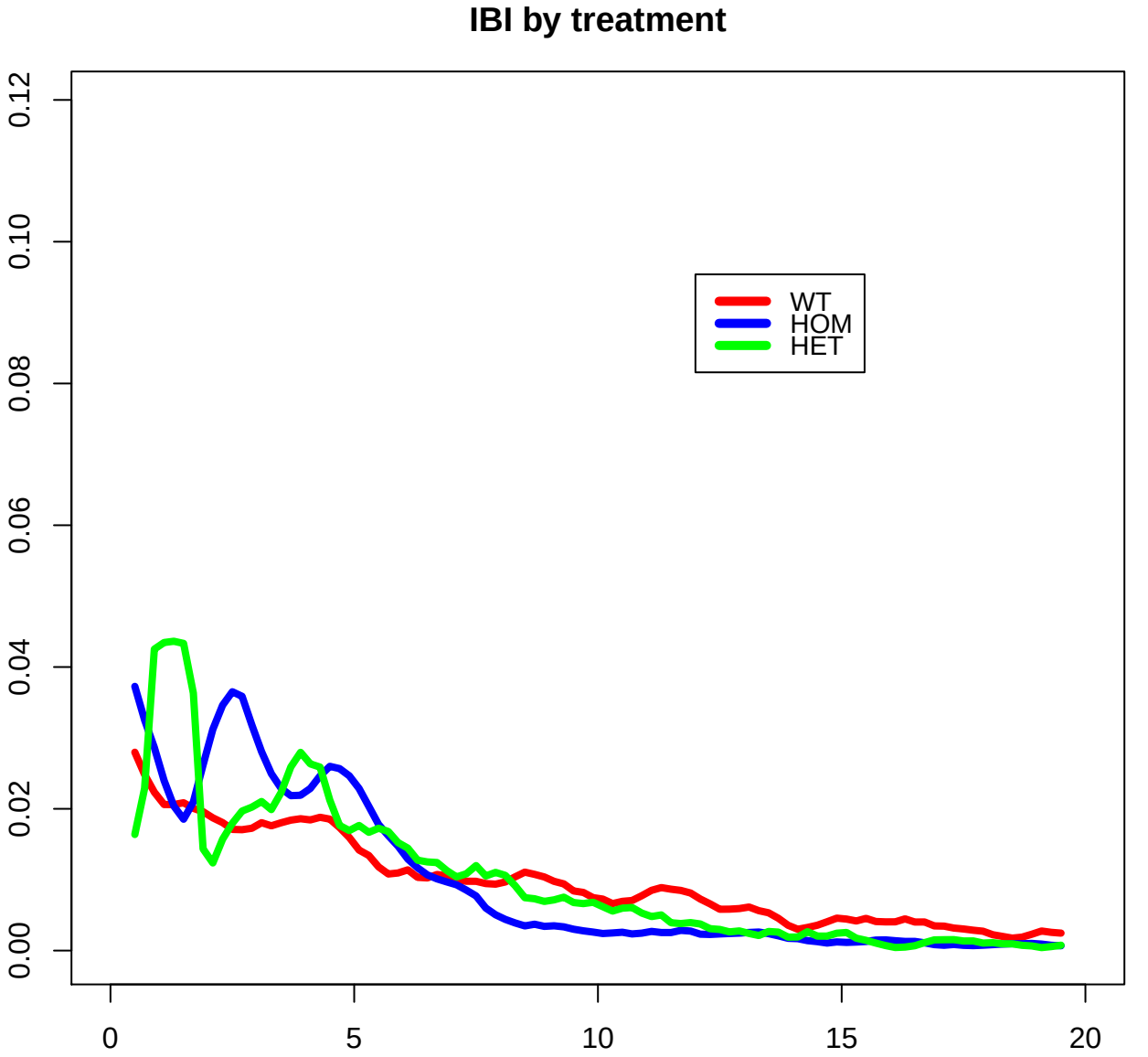
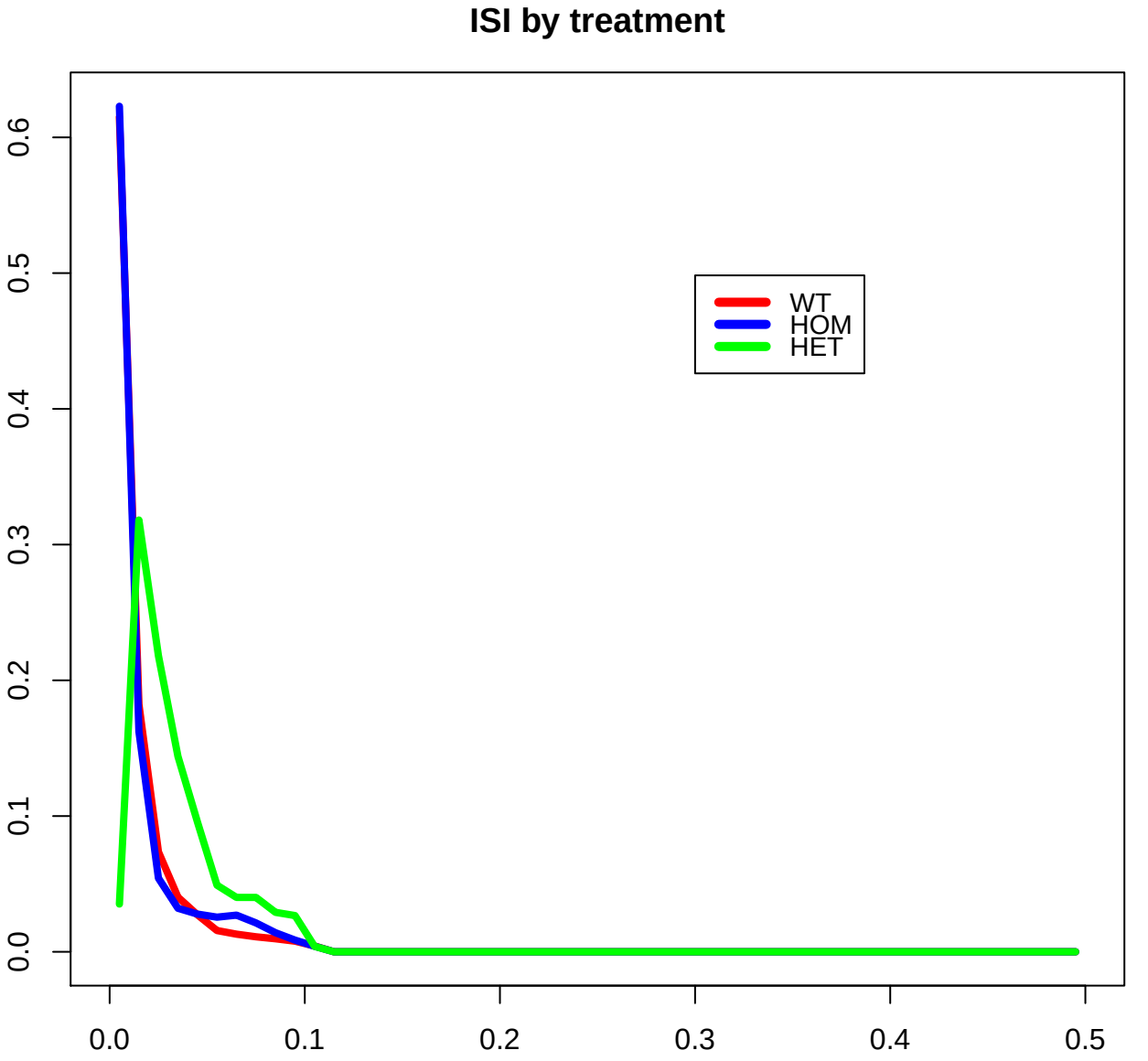
Electrode Layout
file= Kcnt1Y777H_20170817_500659_DIV35

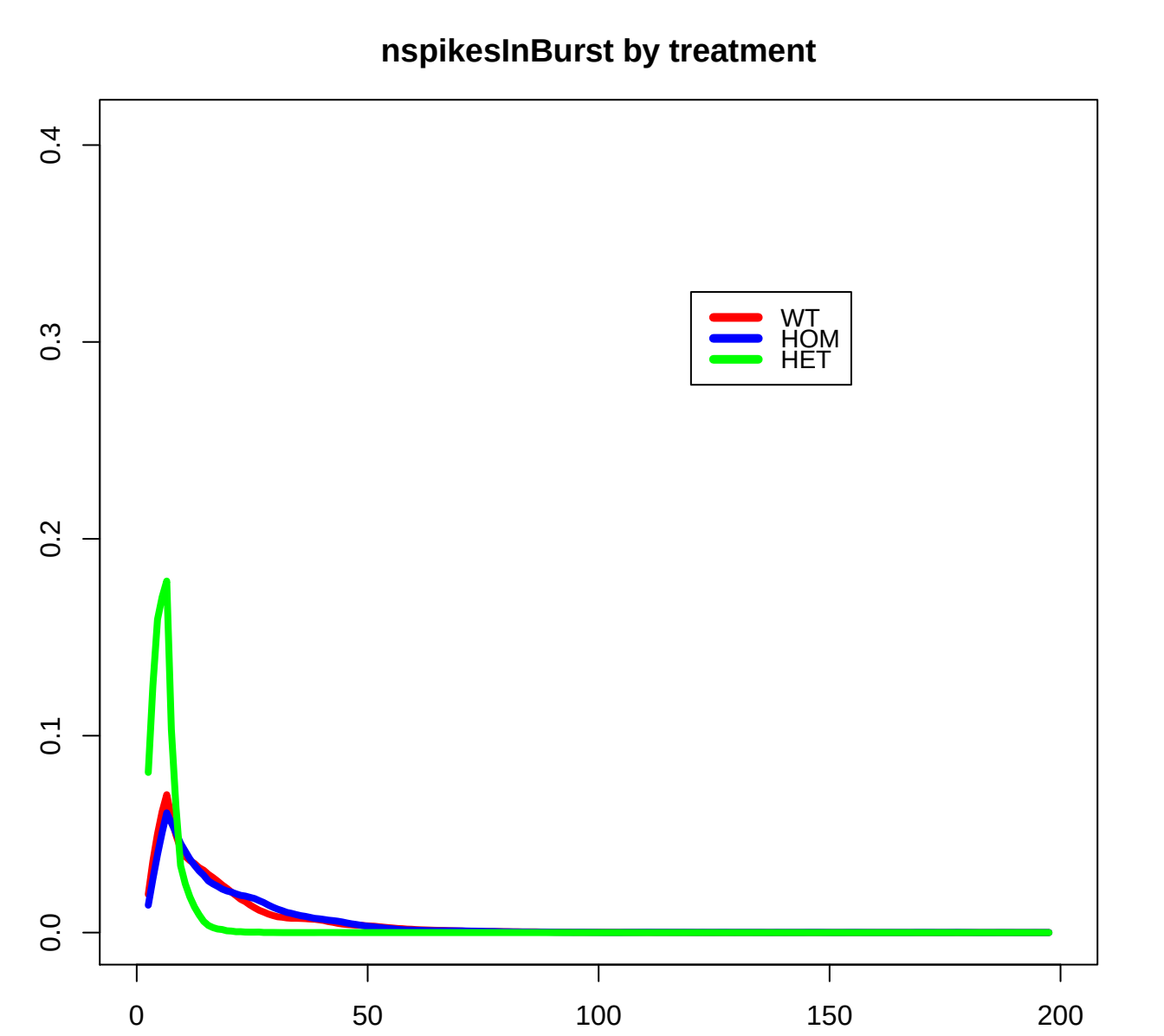




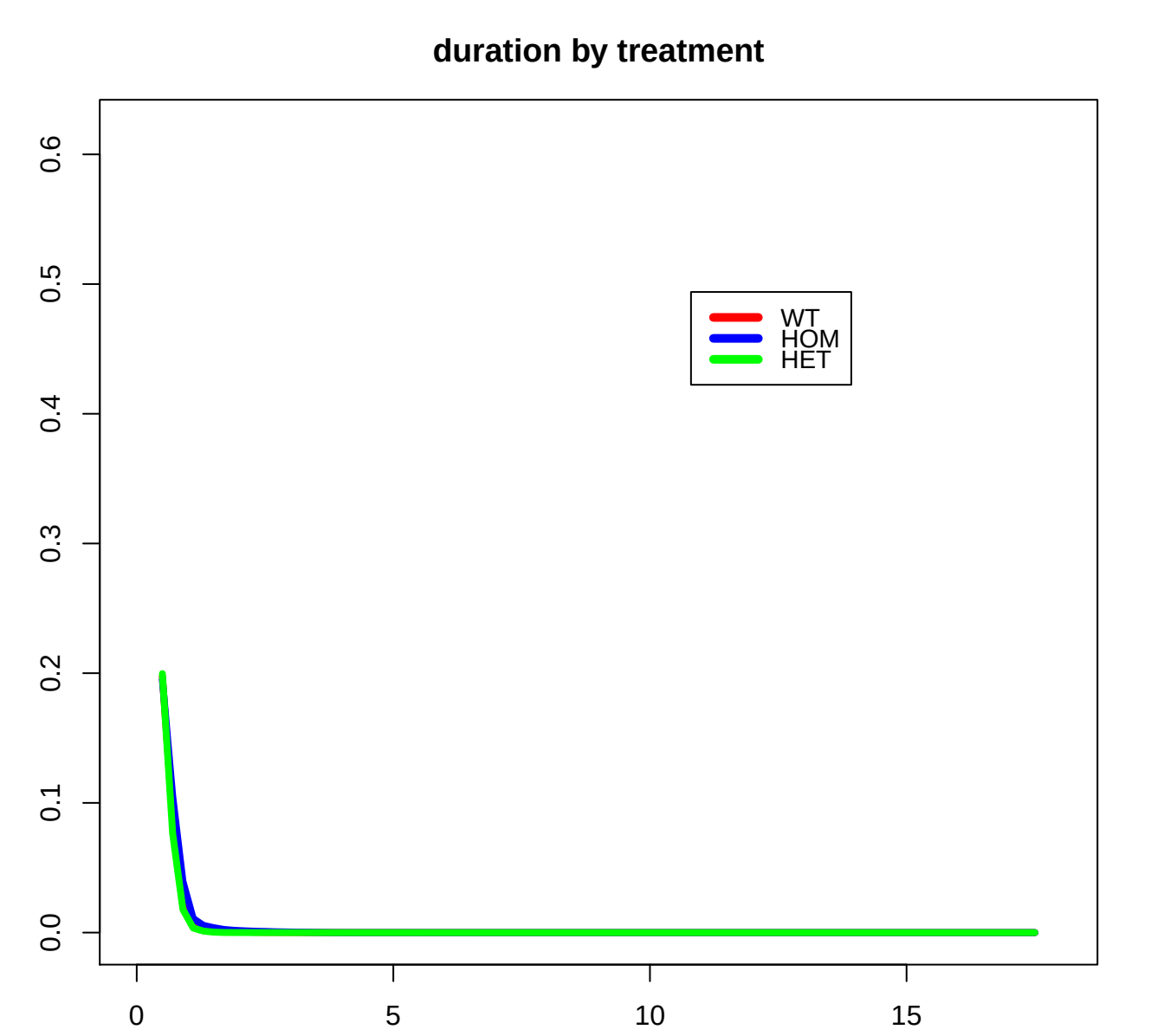
K−S test for WT vs. HOM : 2.3e−06, for: IBI
K−S test for WT vs. HET : 0.0039, for: IBI
K−S test for HOM vs. HET : 0.024, for: IBI



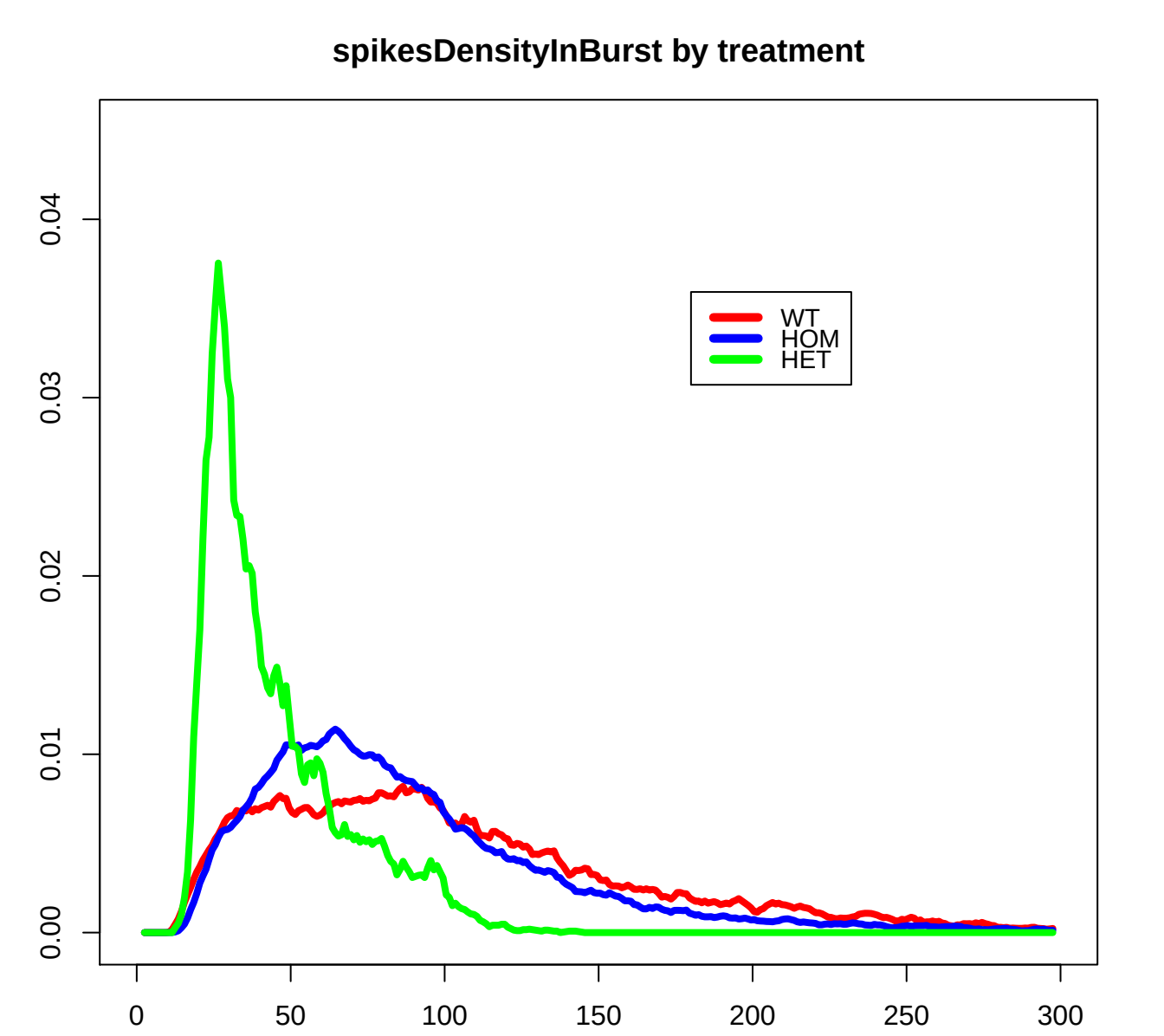
K−S test for WT vs. HOM : 1, for: ISI
K−S test for WT vs. HET : 0.96, for: ISI
K−S test for HOM vs. HET : 0.96, for: ISI



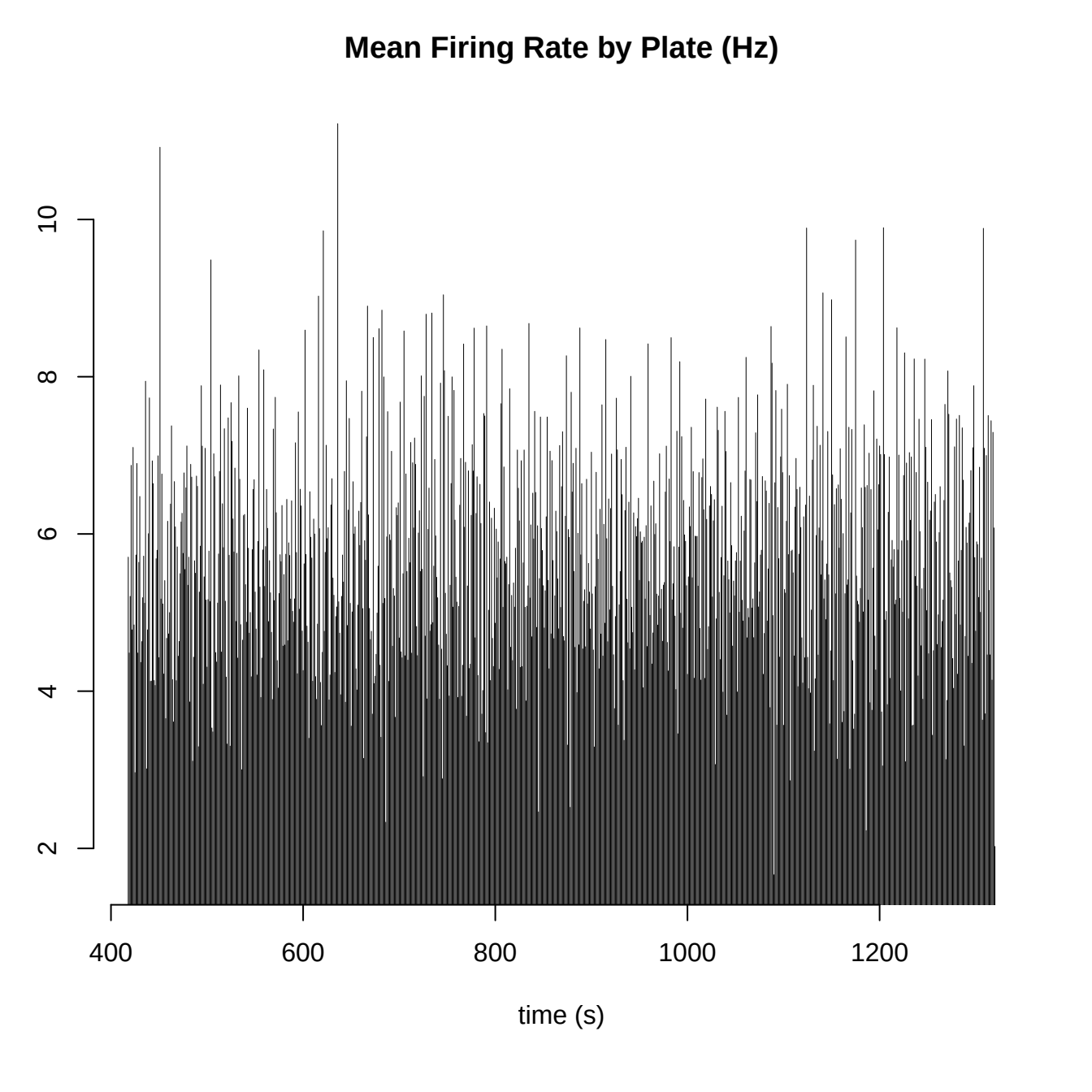
K−S test for WT vs. HOM : 5.4e−07, for: nspikesInBurst
K−S test for WT vs. HET : 0, for: nspikesInBurst
K−S test for HOM vs. HET : 0, for: nspikesInBurst



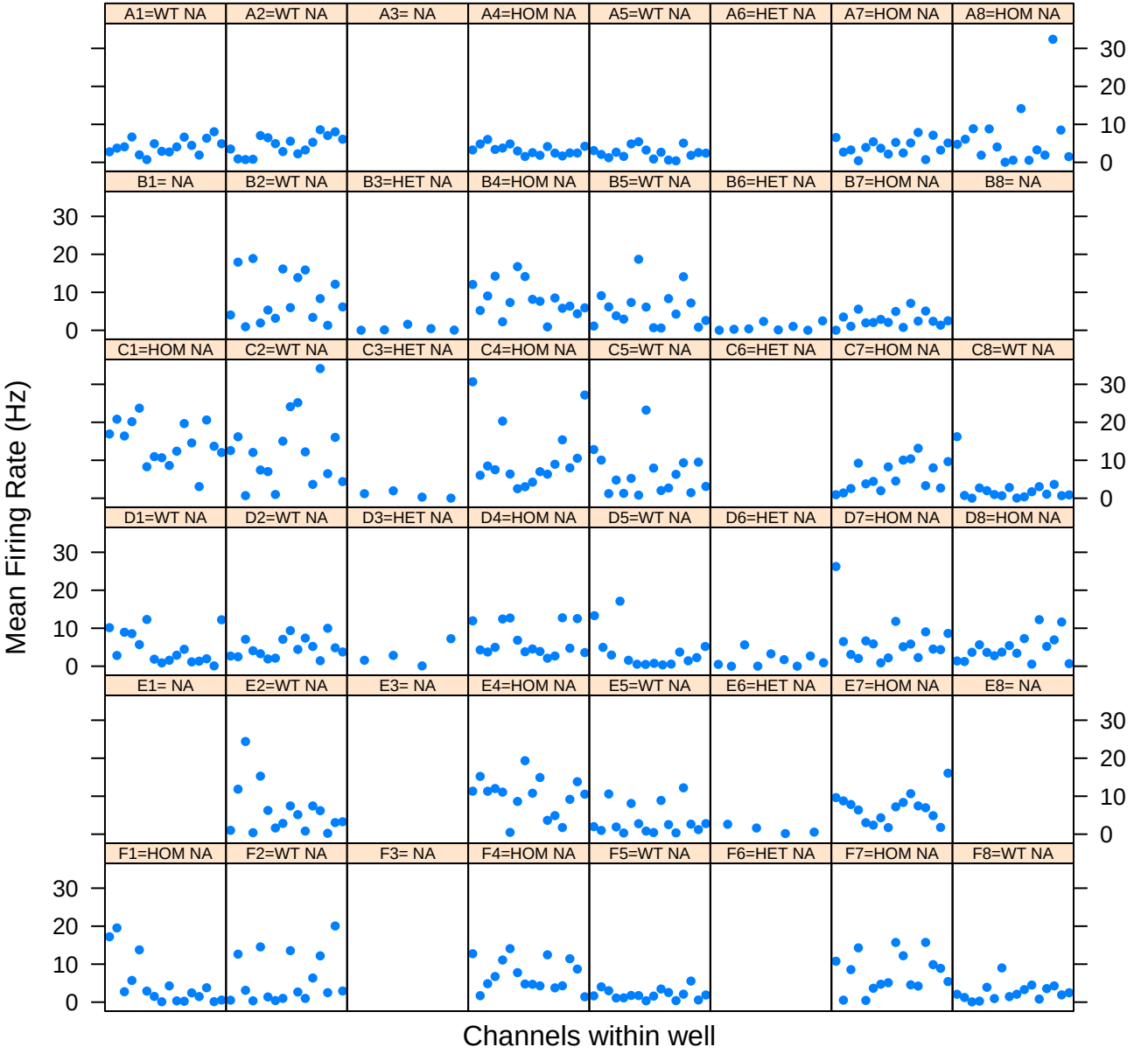
K−S test for WT vs. HOM : 0.0092, for: duration
K−S test for WT vs. HET : 5.3e−06, for: duration
K−S test for HOM vs. HET : 0.4, for: duration



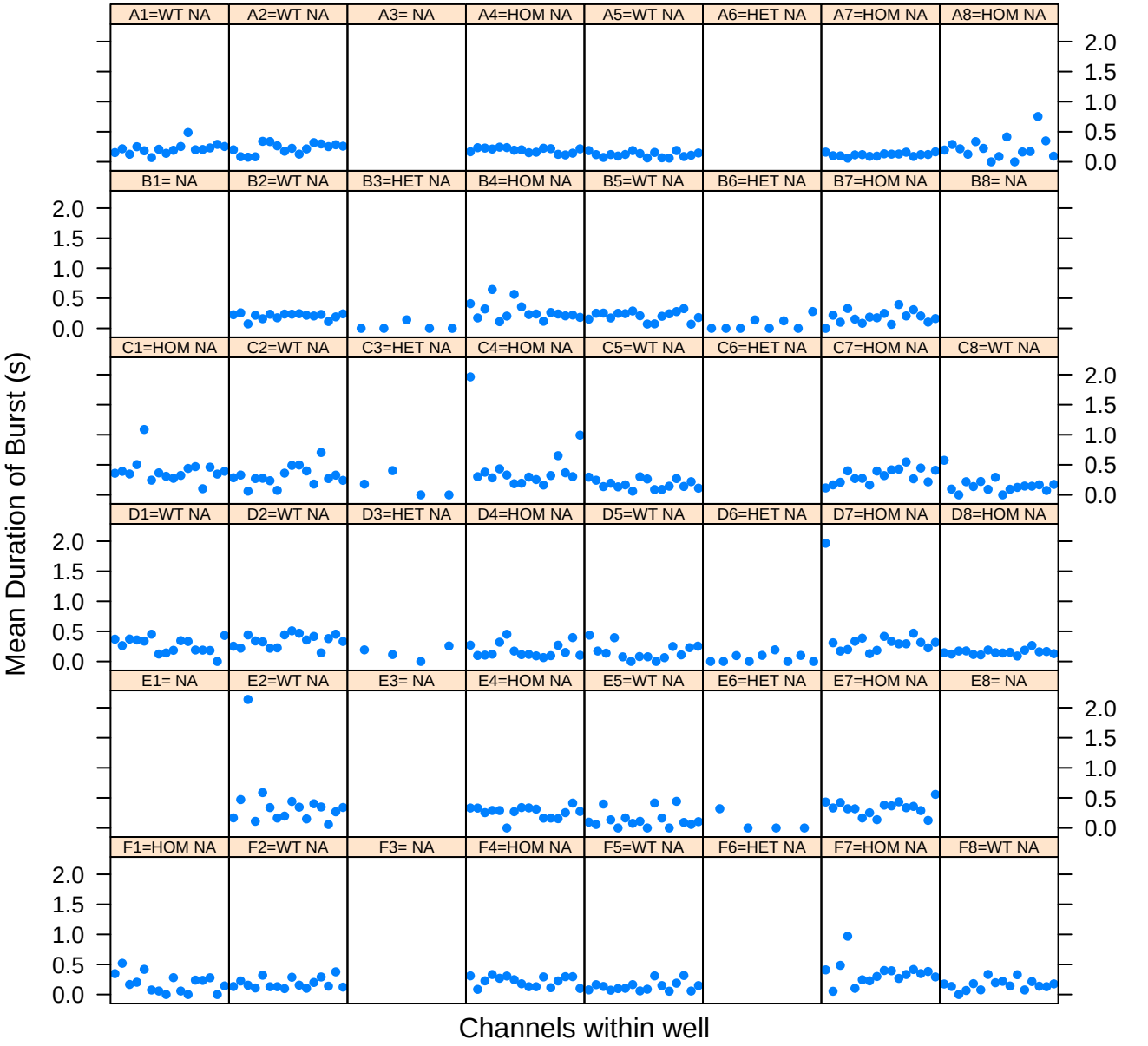
K−S test for WT vs. HOM : 8.4e−05, for: spikesDensityInBurst
K−S test for WT vs. HET : 0, for: spikesDensityInBurst
K−S test for HOM vs. HET : 0, for: spikesDensityInBurst

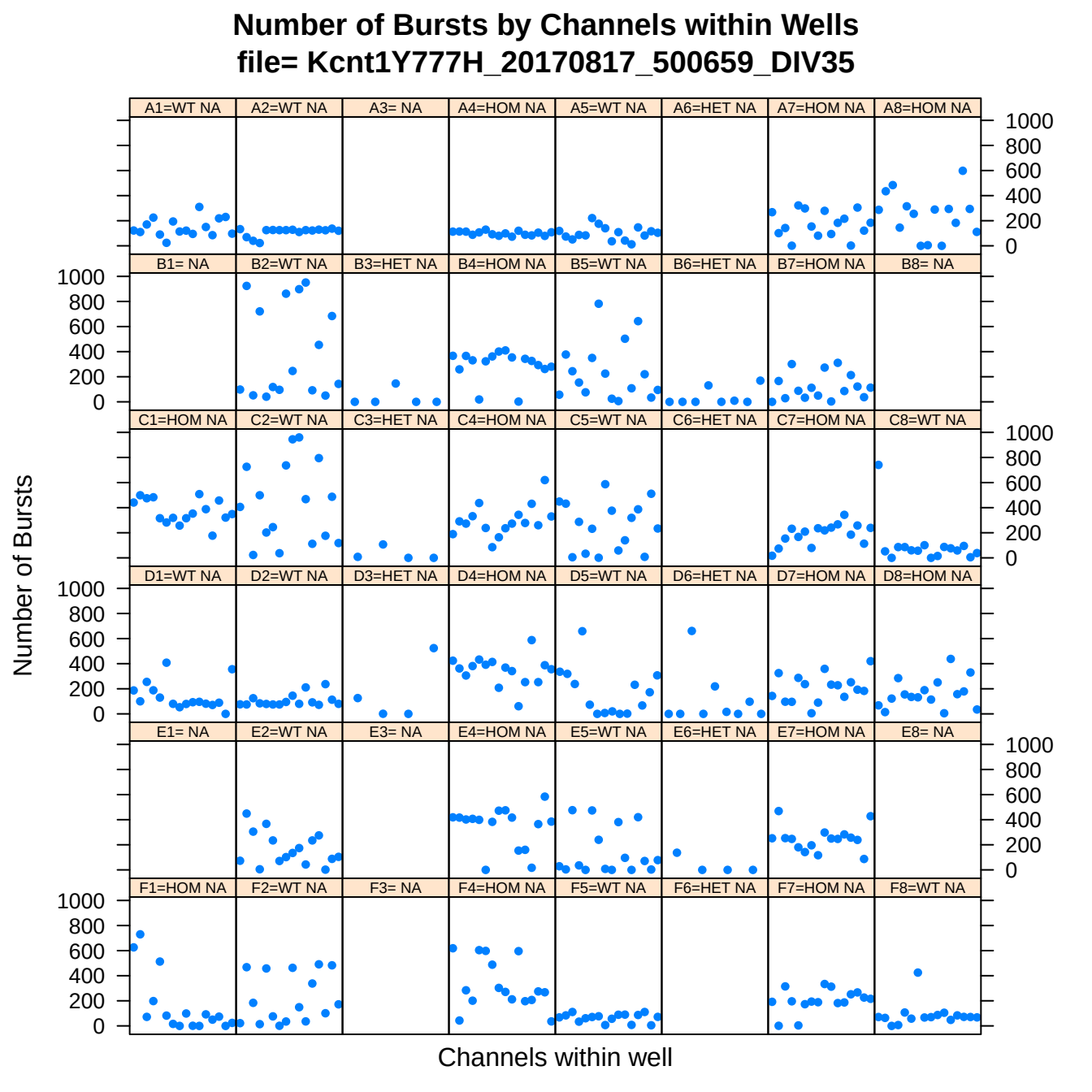

Mean Firing Rate by Plate (Hz)
2
4
6
8
10
400
600
800
1000
1200
time (s)

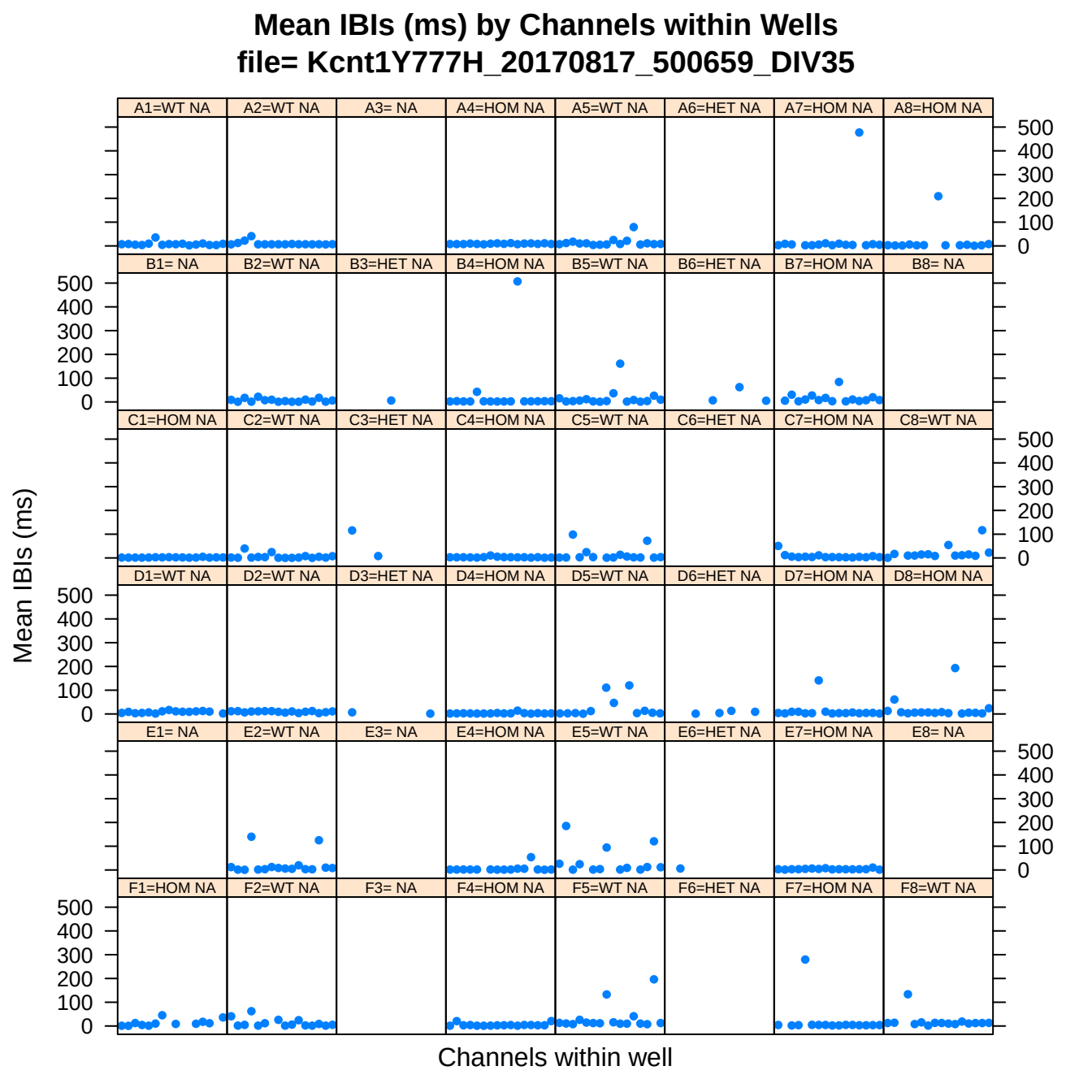
Mean Firing Rate (Hz) by Channels within Wells
file= Kcnt1Y777H_20170817_500659_DIV35



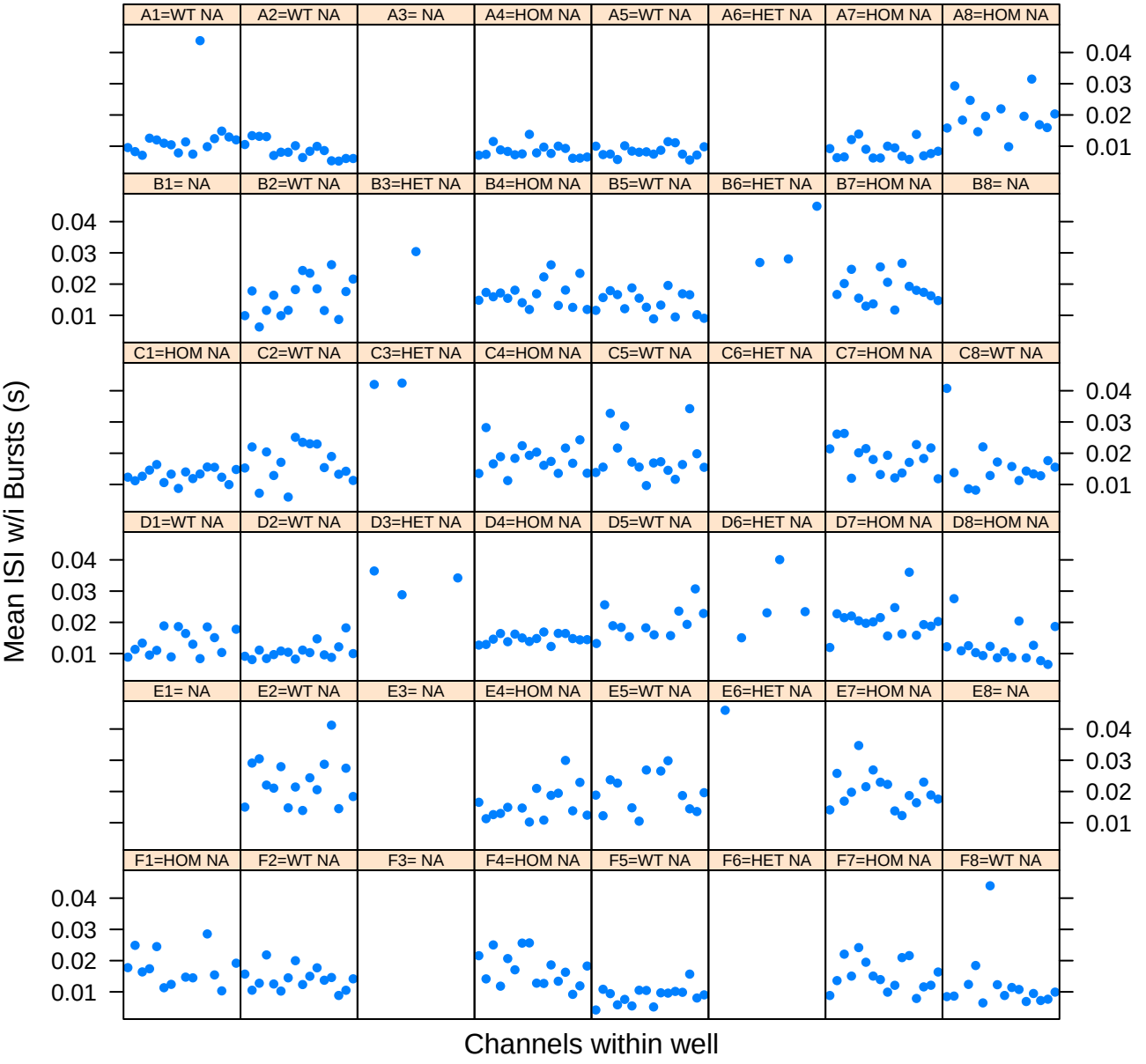
Mean Duration of Burst (s) by Channels within Wells
file= Kcnt1Y777H_20170817_500659_DIV35

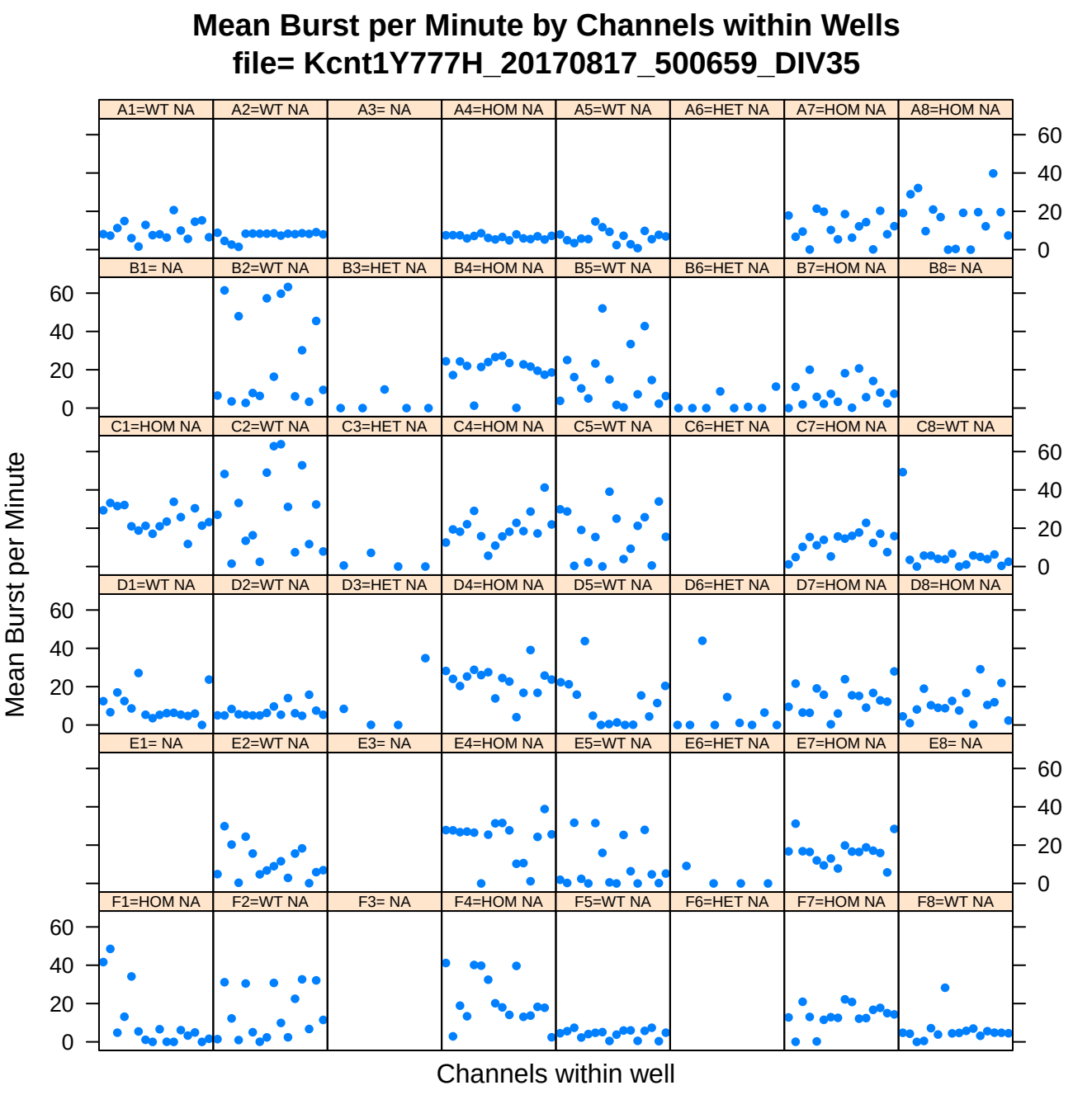


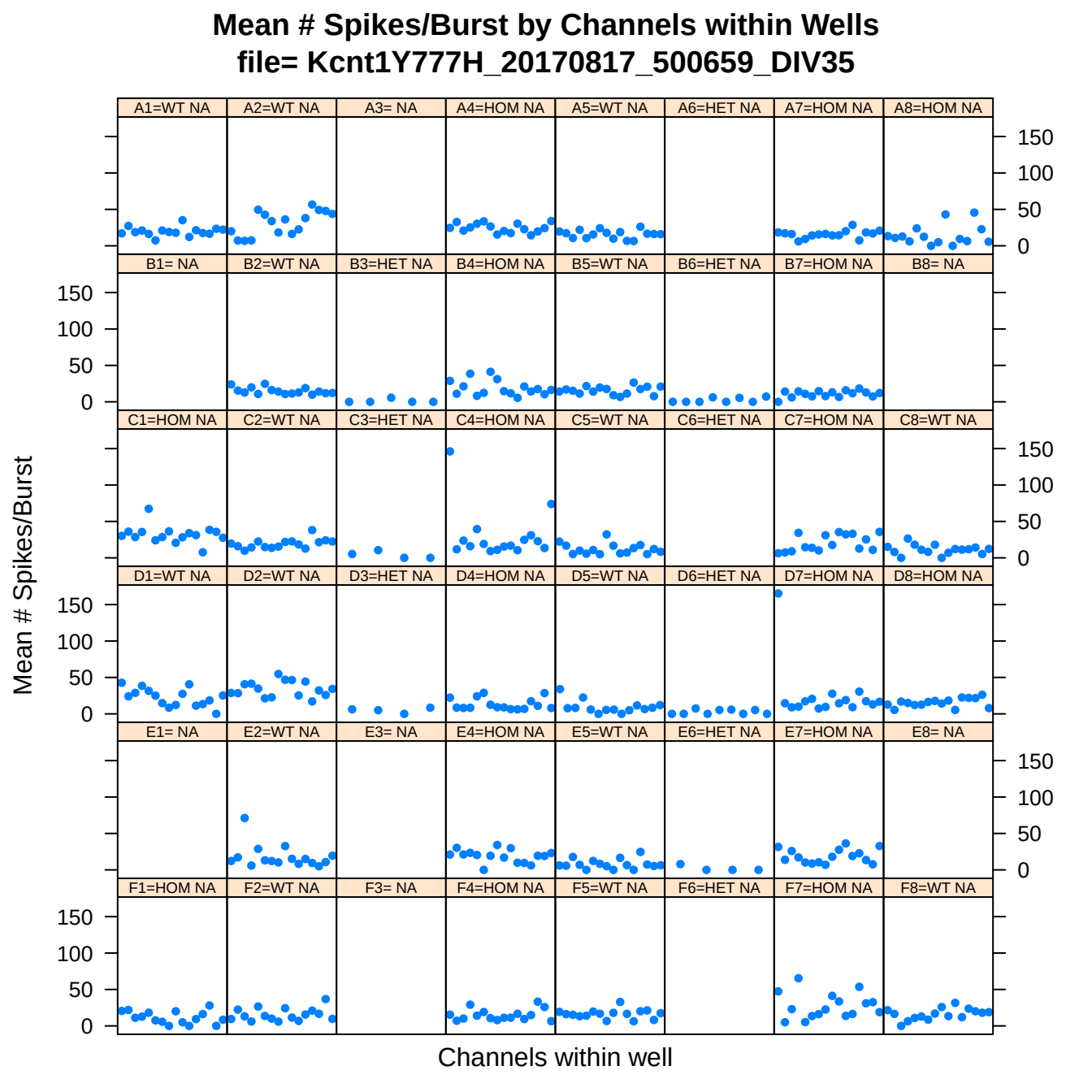

Number of Bursts by Channels within Wells
file= Kcnt1Y777H_20170817_500659_DIV35
A1=WT NA
A2=WT NA
A3= NA
A4=HOM NA
A5=WT NA
A6=HET NA
A7=HOM NA
A8=HOM NA
B1= NA
B2=WT NA
B3=HET NA
B4=HOM NA
B5=WT NA
B6=HET NA
B7=HOM NA
B8= NA
C1=HOM NA
C2=WT NA
C3=HET NA
C4=HOM NA
C5=WT NA
C6=HET NA
C7=HOM NA
C8=WT NA
D1=WT NA
D2=WT NA
D3=HET NA
D4=HOM NA
D5=WT NA
D6=HET NA
D7=HOM NA
D8=HOM NA
E1= NA
E2=WT NA
E3= NA
E4=HOM NA
E5=WT NA
E6=HET NA
E7=HOM NA
E8= NA
F1=HOM NA
F2=WT NA
F3= NA
F4=HOM NA
F5=WT NA
F6=HET NA
F7=HOM NA
F8=WT NA
0
200
400
600
800
1000
Number of Bursts
Channels within well

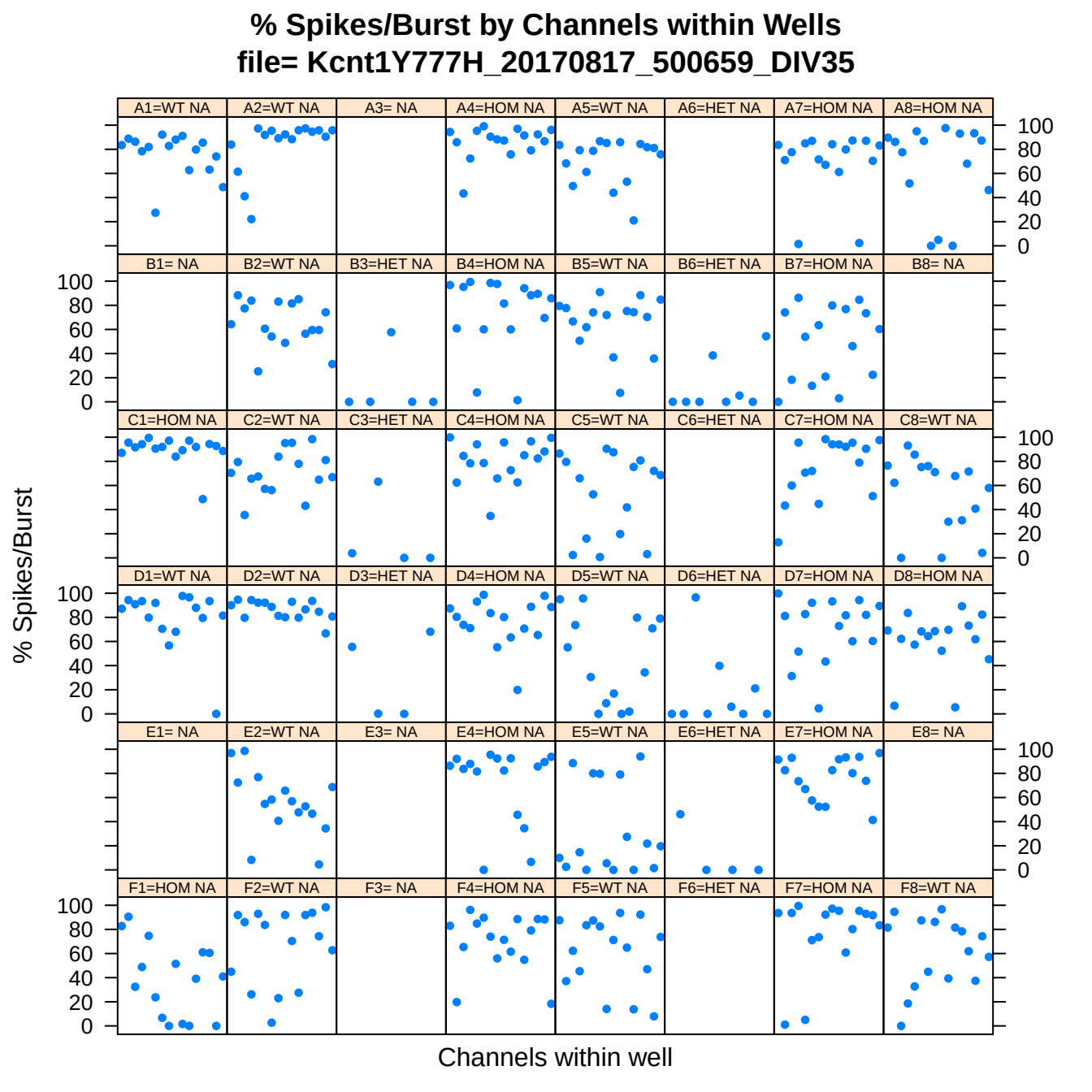

Mean IBIs (ms) by Channels within Wells
file= Kcnt1Y777H_20170817_500659_DIV35
A1=WT NA
A2=WT NA
A3= NA
A4=HOM NA
A5=WT NA
A6=HET NA
A7=HOM NA
A8=HOM NA
B1= NA
B2=WT NA
B3=HET NA
B4=HOM NA
B5=WT NA
B6=HET NA
B7=HOM NA
B8= NA
C1=HOM NA
C2=WT NA
C3=HET NA
C4=HOM NA
C5=WT NA
C6=HET NA
C7=HOM NA
C8=WT NA
D1=WT NA
D2=WT NA
D3=HET NA
D4=HOM NA
D5=WT NA
D6=HET NA
D7=HOM NA
D8=HOM NA
E1= NA
E2=WT NA
E3= NA
E4=HOM NA
E5=WT NA
E6=HET NA
E7=HOM NA
E8= NA
F1=HOM NA
F2=WT NA
F3= NA
F4=HOM NA
F5=WT NA
F6=HET NA
F7=HOM NA
F8=WT NA
0
100
200
300
400
500
Mean IBIs (ms)
Channels within well

Mean ISI w/i Bursts (s) by Channels within Wells
file= Kcnt1Y777H_20170817_500659_DIV35




Mean Burst per Minute by Channels within Wells
file= Kcnt1Y777H_20170817_500659_DIV35
A1=WT NA
A2=WT NA
A3= NA
A4=HOM NA
A5=WT NA
A6=HET NA
A7=HOM NA
A8=HOM NA
B1= NA
B2=WT NA
B3=HET NA
B4=HOM NA
B5=WT NA
B6=HET NA
B7=HOM NA
B8= NA
C1=HOM NA
C2=WT NA
C3=HET NA
C4=HOM NA
C5=WT NA
C6=HET NA
C7=HOM NA
C8=WT NA
D1=WT NA
D2=WT NA
D3=HET NA
D4=HOM NA
D5=WT NA
D6=HET NA
D7=HOM NA
D8=HOM NA
E1= NA
E2=WT NA
E3= NA
E4=HOM NA
E5=WT NA
E6=HET NA
E7=HOM NA
E8= NA
F1=HOM NA
F2=WT NA
F3= NA
F4=HOM NA
F5=WT NA
F6=HET NA
F7=HOM NA
F8=WT NA
0
20
40
60
Mean Burst per Minute
Channels within well


Mean # Spikes/Burst by Channels within Wells
file= Kcnt1Y777H_20170817_500659_DIV35
A1=WT NA
A2=WT NA
A3= NA
A4=HOM NA
A5=WT NA
A6=HET NA
A7=HOM NA
A8=HOM NA
B1= NA
B2=WT NA
B3=HET NA
B4=HOM NA
B5=WT NA
B6=HET NA
B7=HOM NA
B8= NA
C1=HOM NA
C2=WT NA
C3=HET NA
C4=HOM NA
C5=WT NA
C6=HET NA
C7=HOM NA
C8=WT NA
D1=WT NA
D2=WT NA
D3=HET NA
D4=HOM NA
D5=WT NA
D6=HET NA
D7=HOM NA
D8=HOM NA
E1= NA
E2=WT NA
E3= NA
E4=HOM NA
E5=WT NA
E6=HET NA
E7=HOM NA
E8= NA
F1=HOM NA
F2=WT NA
F3= NA
F4=HOM NA
F5=WT NA
F6=HET NA
F7=HOM NA
F8=WT NA
0
50
100
150
Mean # Spikes/Burst
Channels within well


% Spikes/Burst by Channels within Wells
file= Kcnt1Y777H_20170817_500659_DIV35
A1=WT NA
A2=WT NA
A3= NA
A4=HOM NA
A5=WT NA
A6=HET NA
A7=HOM NA
A8=HOM NA
B1= NA
B2=WT NA
B3=HET NA
B4=HOM NA
B5=WT NA
B6=HET NA
B7=HOM NA
B8= NA
C1=HOM NA
C2=WT NA
C3=HET NA
C4=HOM NA
C5=WT NA
C6=HET NA
C7=HOM NA
C8=WT NA
D1=WT NA
D2=WT NA
D3=HET NA
D4=HOM NA
D5=WT NA
D6=HET NA
D7=HOM NA
D8=HOM NA
E1= NA
E2=WT NA
E3= NA
E4=HOM NA
E5=WT NA
E6=HET NA
E7=HOM NA
E8= NA
F1=HOM NA
F2=WT NA
F3= NA
F4=HOM NA
F5=WT NA
F6=HET NA
F7=HOM NA
F8=WT NA
0
20
40
60
80
100
% Spikes/Burst
Channels within well