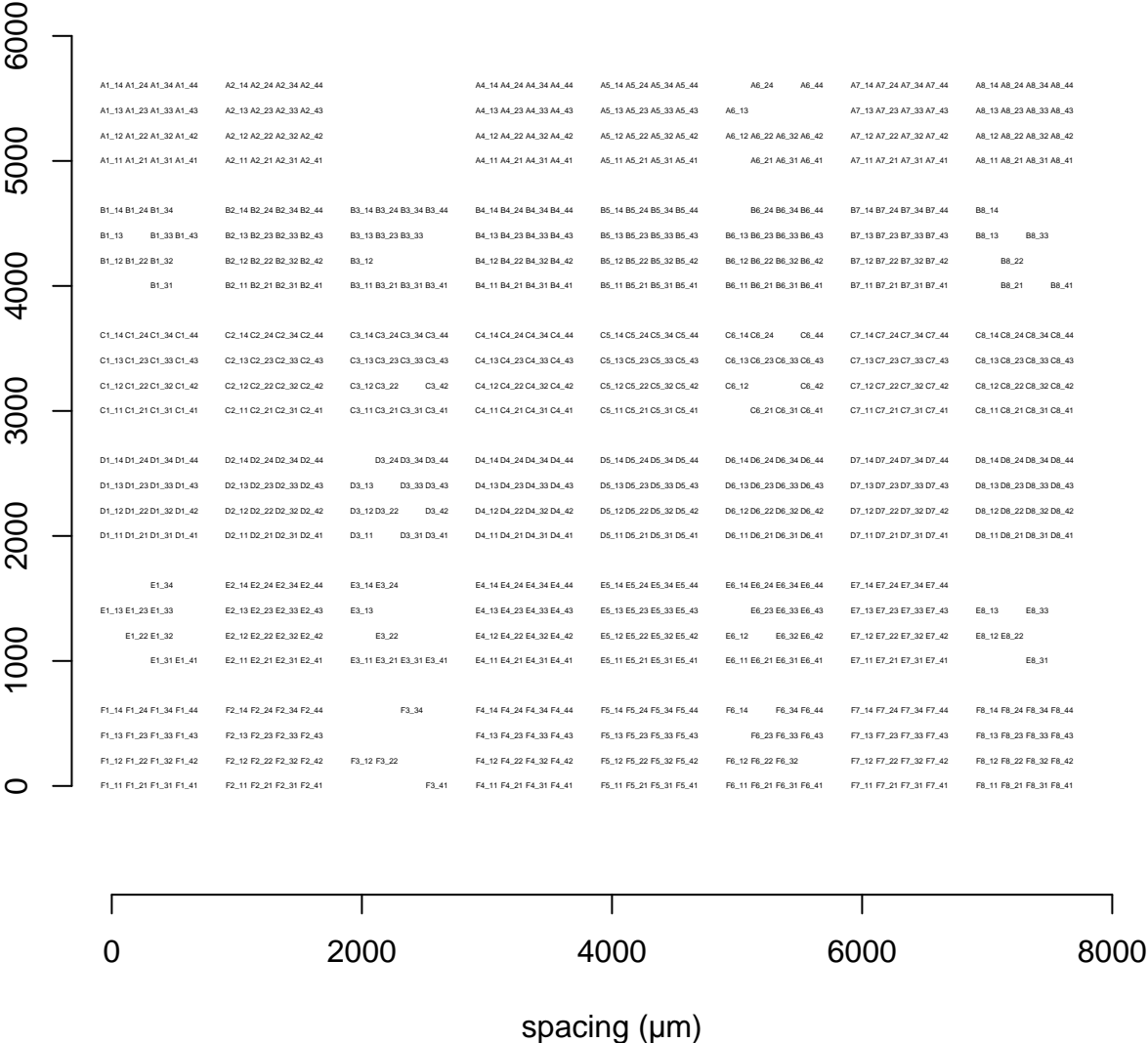
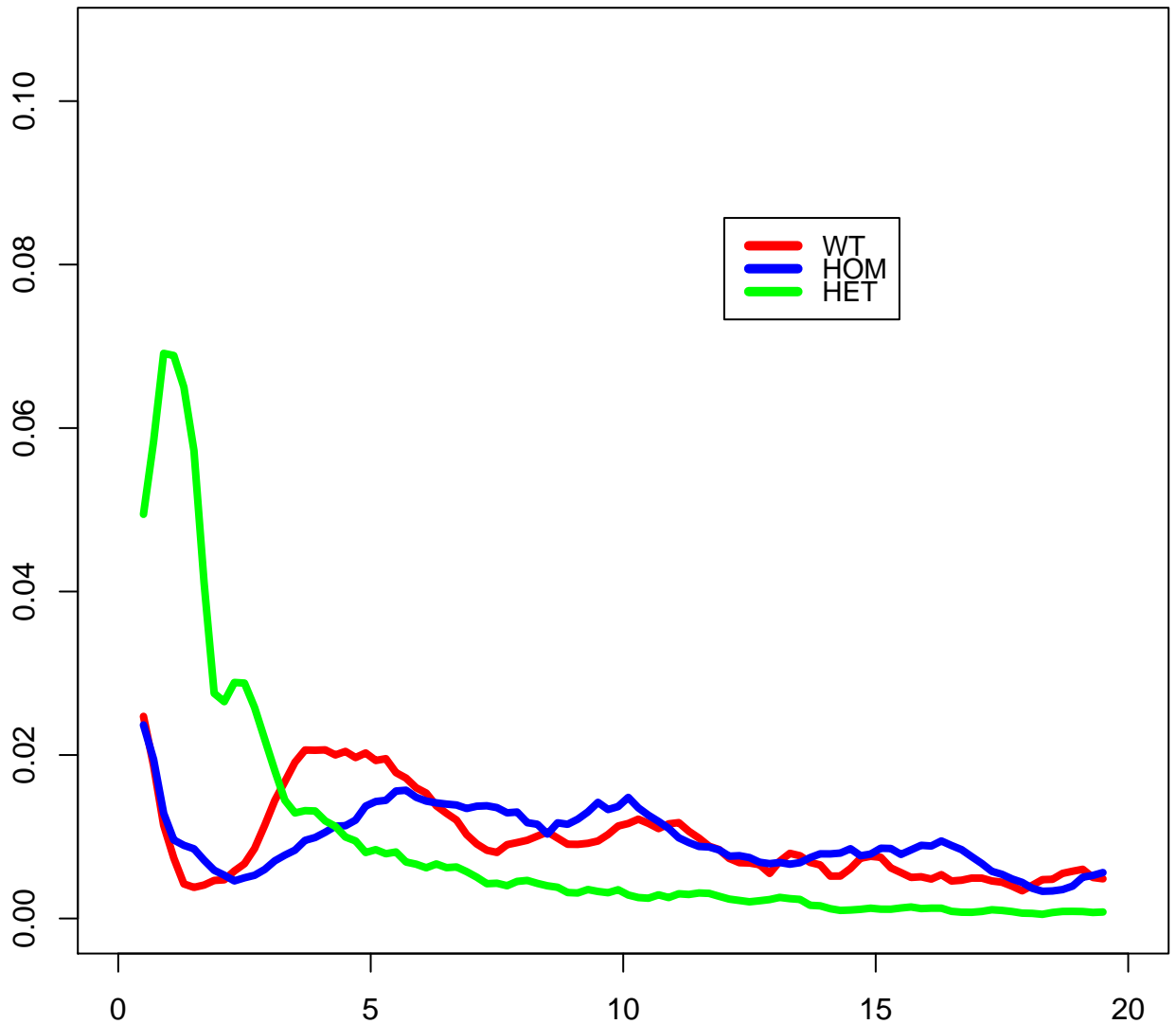


Electrode Layout

file= Kcnt1Y777H\_20170817\_500659\_DIV19



# IBI by treatment

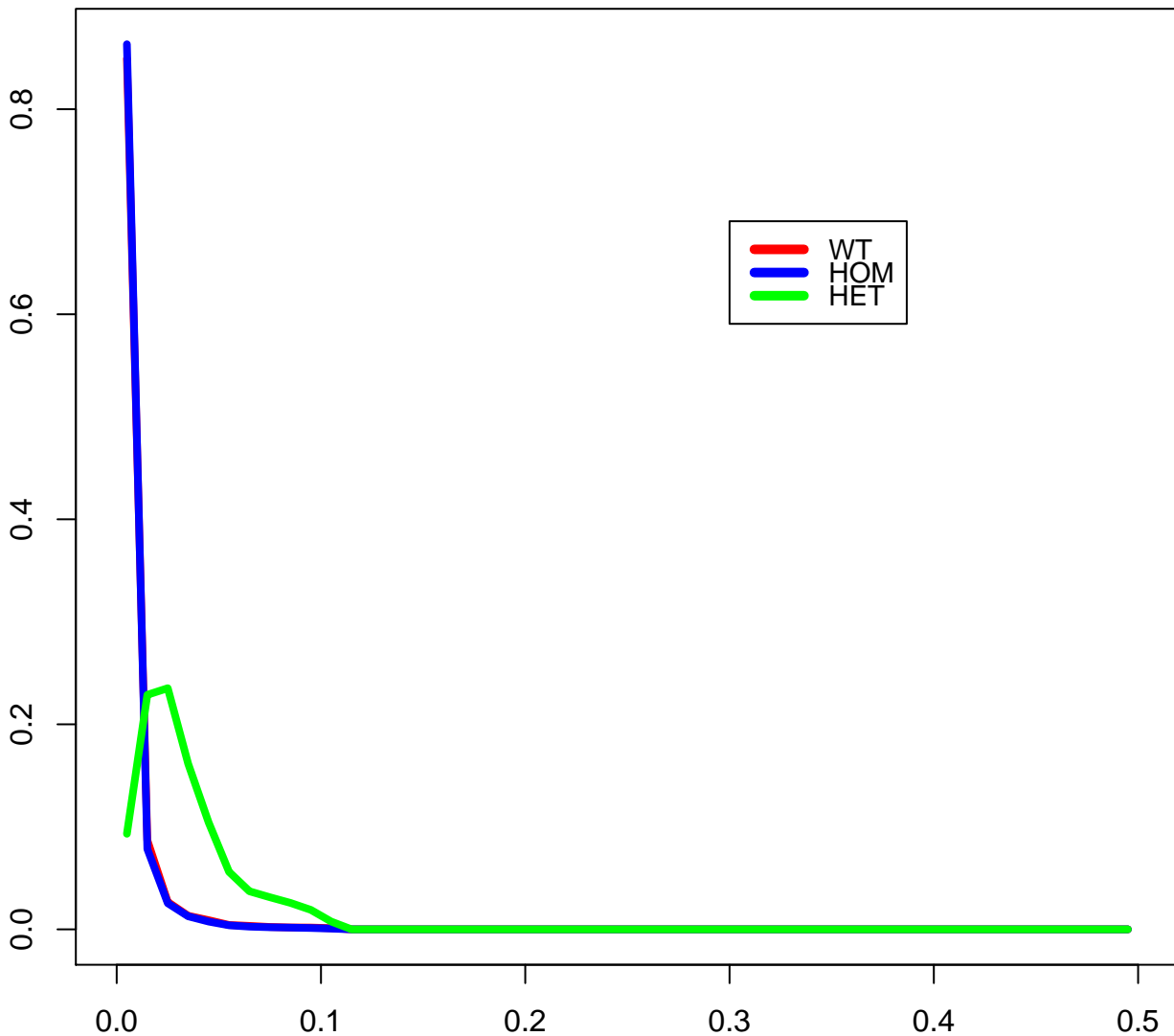


K-S test for WT vs. HOM : 0.054, for: IBI

K-S test for WT vs. HET : 5.1e-10, for: IBI

K-S test for HOM vs. HET : 1e-11, for: IBI

## ISI by treatment

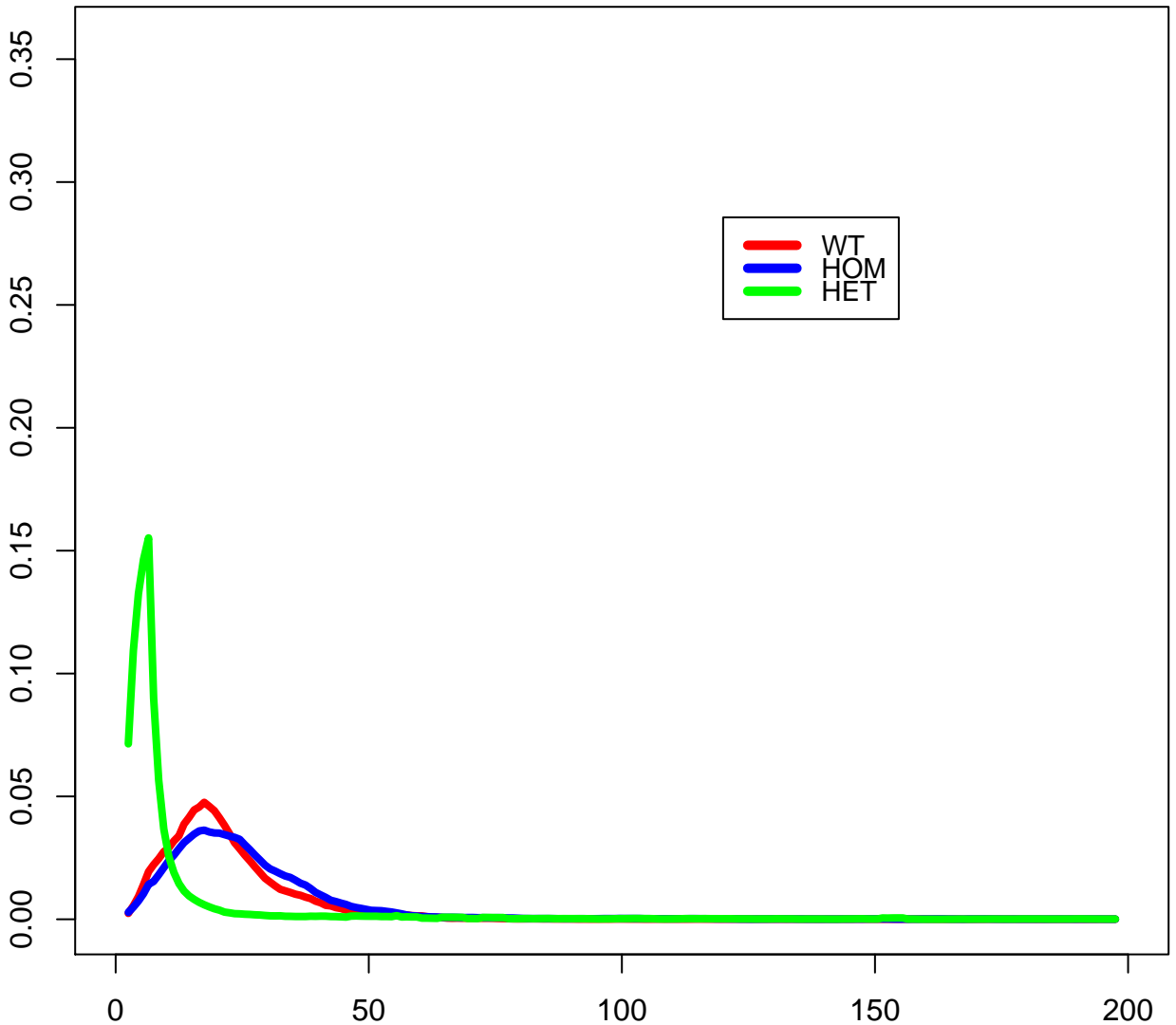


K-S test for WT vs. HOM : 1, for: ISI

K-S test for WT vs. HET : 0.71, for: ISI

K-S test for HOM vs. HET : 0.71, for: ISI

# nspikesInBurst by treatment

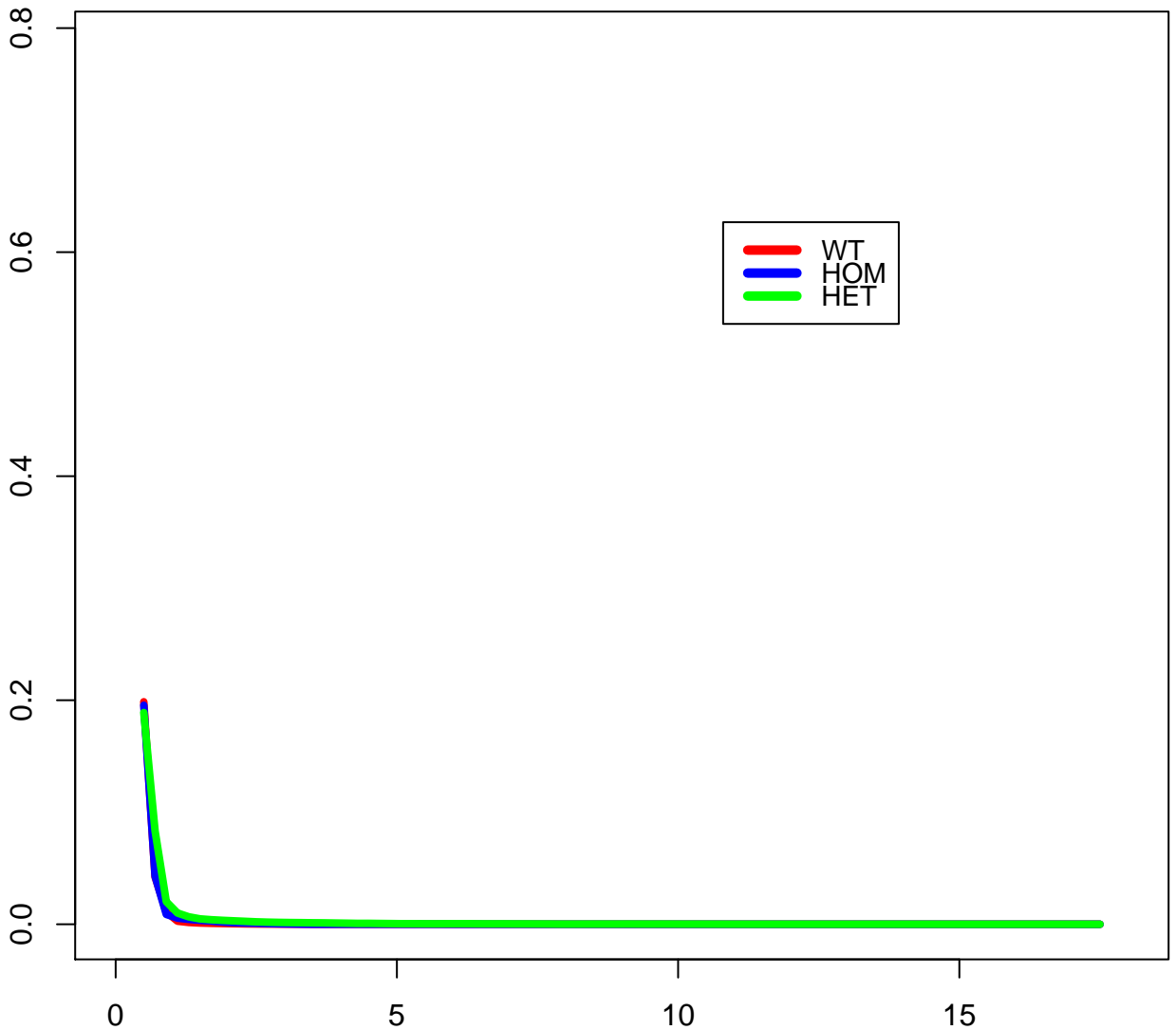


K-S test for WT vs. HOM :  $5.4e-07$ , for: nspikesInBurst

K-S test for WT vs. HET :  $7e-10$ , for: nspikesInBurst

K-S test for HOM vs. HET : 0.0062, for: nspikesInBurst

## duration by treatment

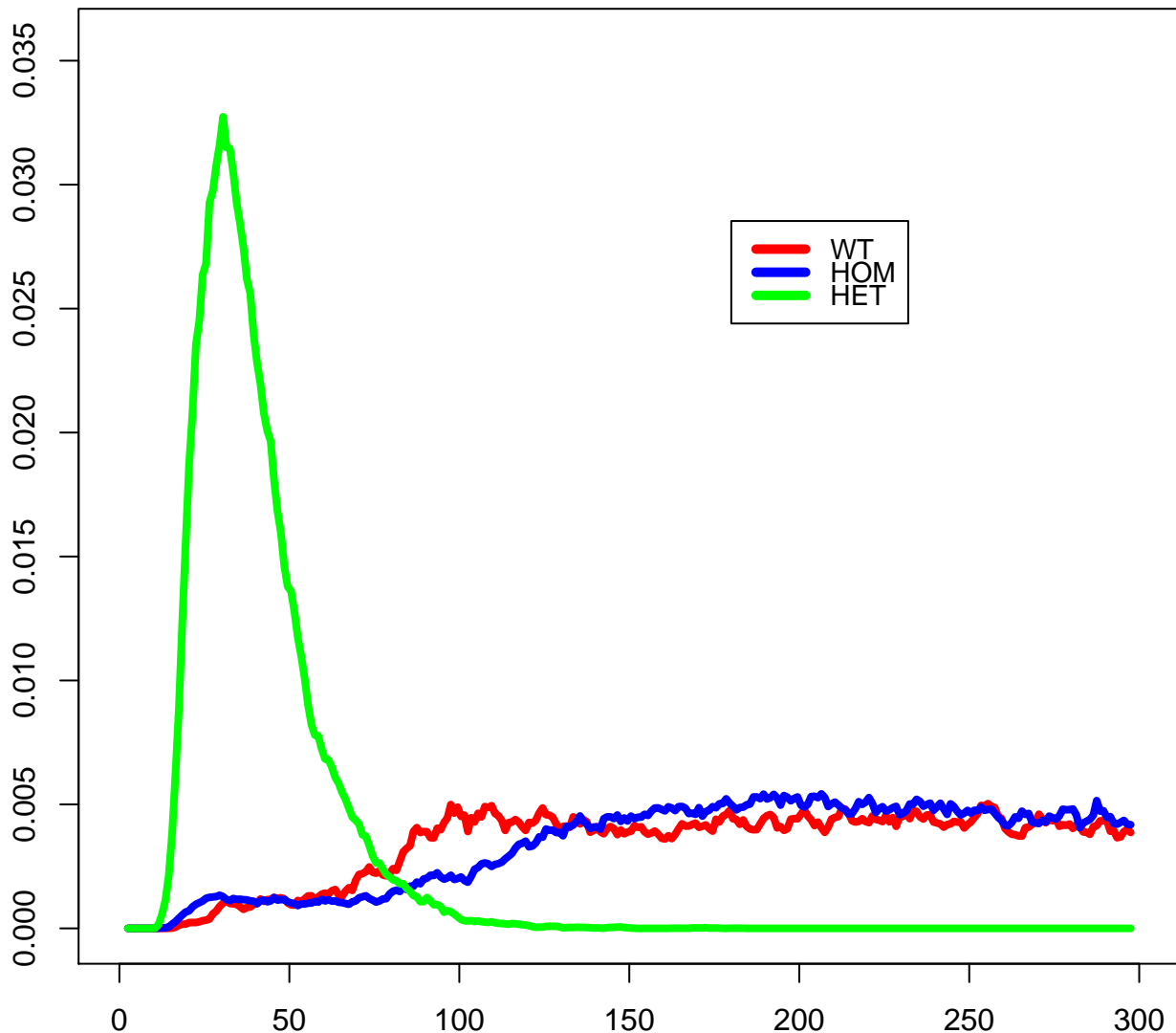


K-S test for WT vs. HOM : 1, for: duration

K-S test for WT vs. HET :  $1.7\text{e-}14$ , for: duration

K-S test for HOM vs. HET :  $1.7\text{e-}14$ , for: duration

# spikesDensityInBurst by treatment

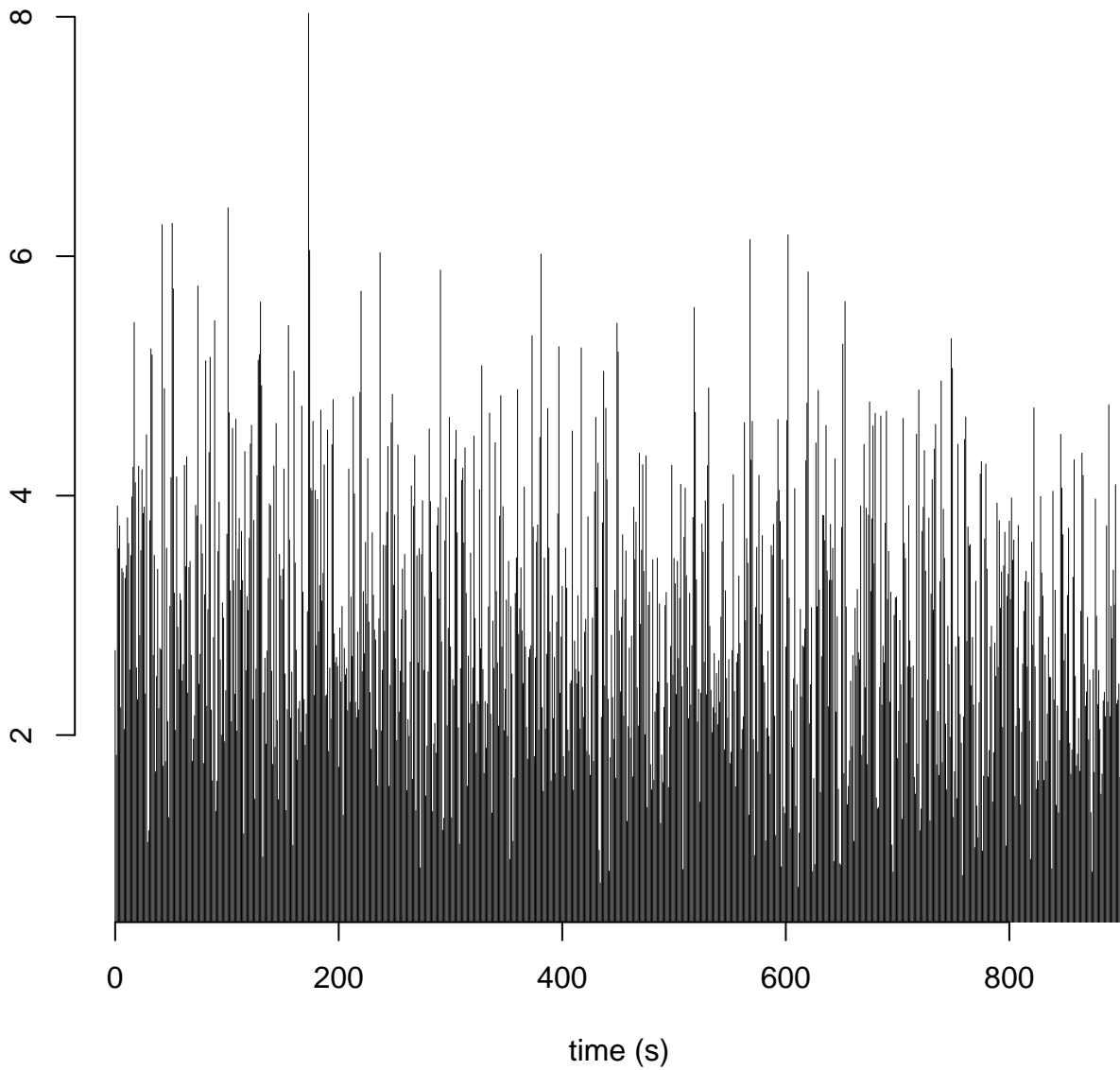


K-S test for WT vs. HOM : 0.0032, for: spikesDensityInBurst

K-S test for WT vs. HET : 0, for: spikesDensityInBurst

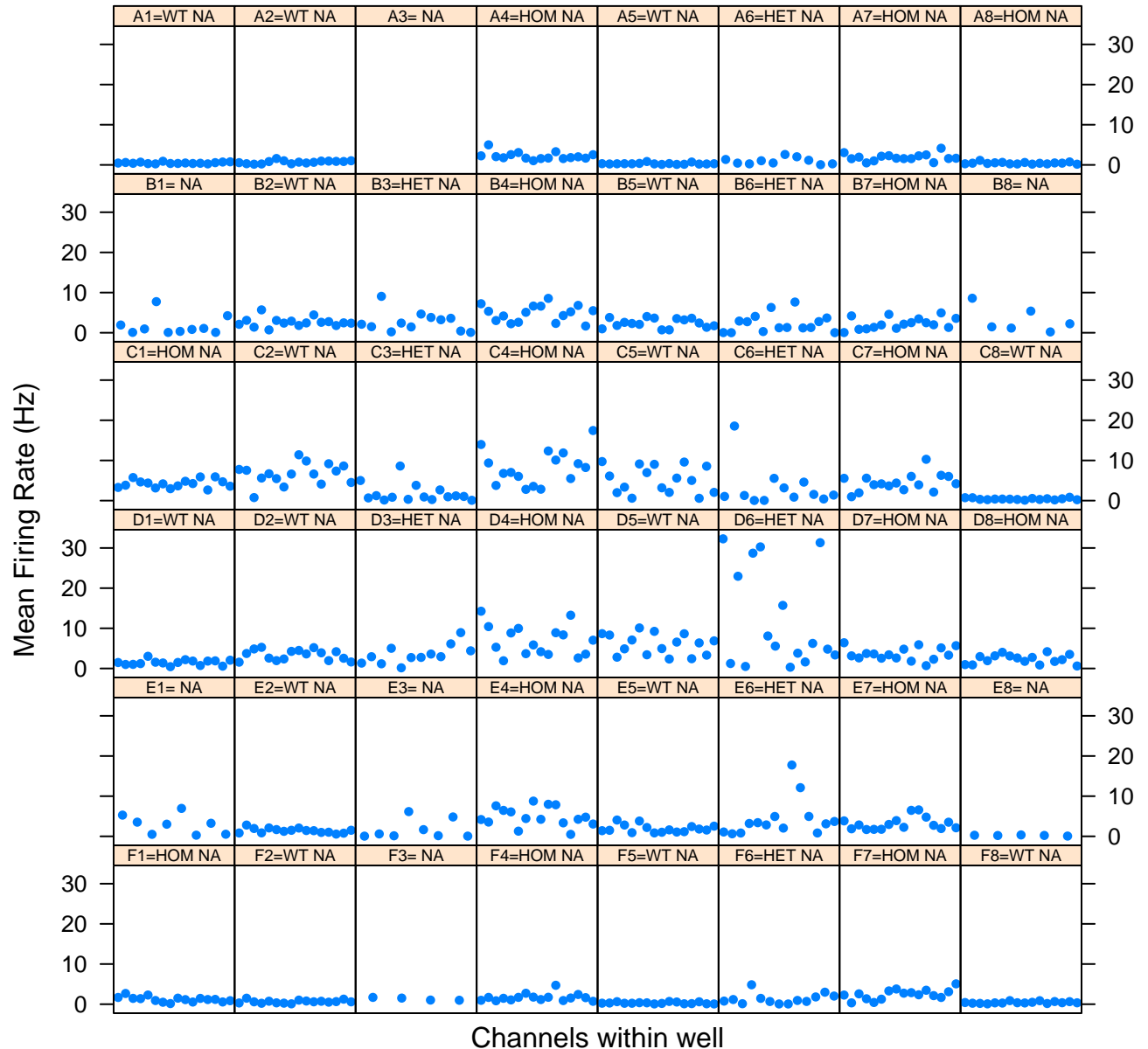
K-S test for HOM vs. HET : 0, for: spikesDensityInBurst

**Mean Firing Rate by Plate (Hz)**



# Mean Firing Rate (Hz) by Channels within Wells

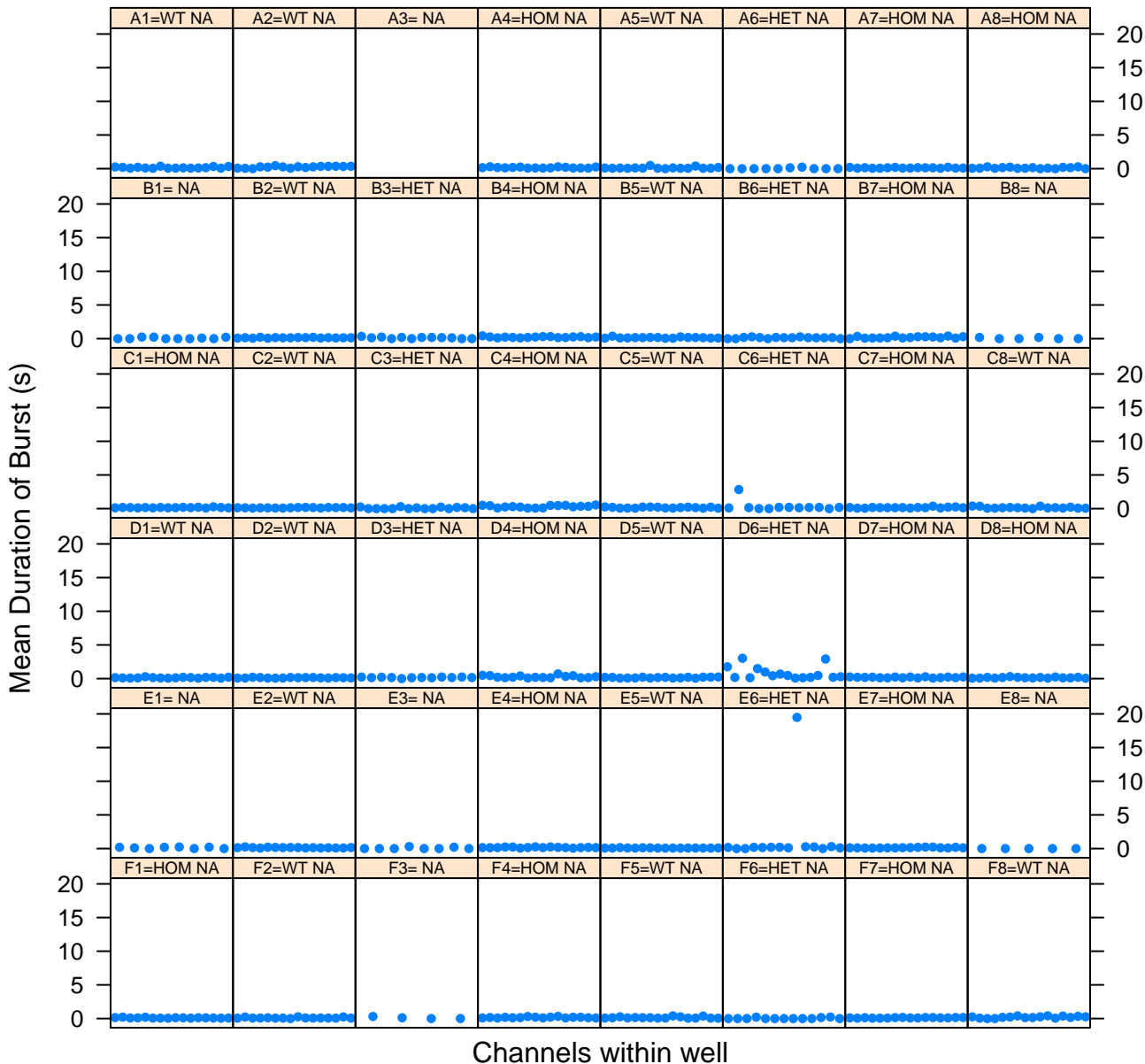
file= Kcnt1Y777H\_20170817\_500659\_DIV19





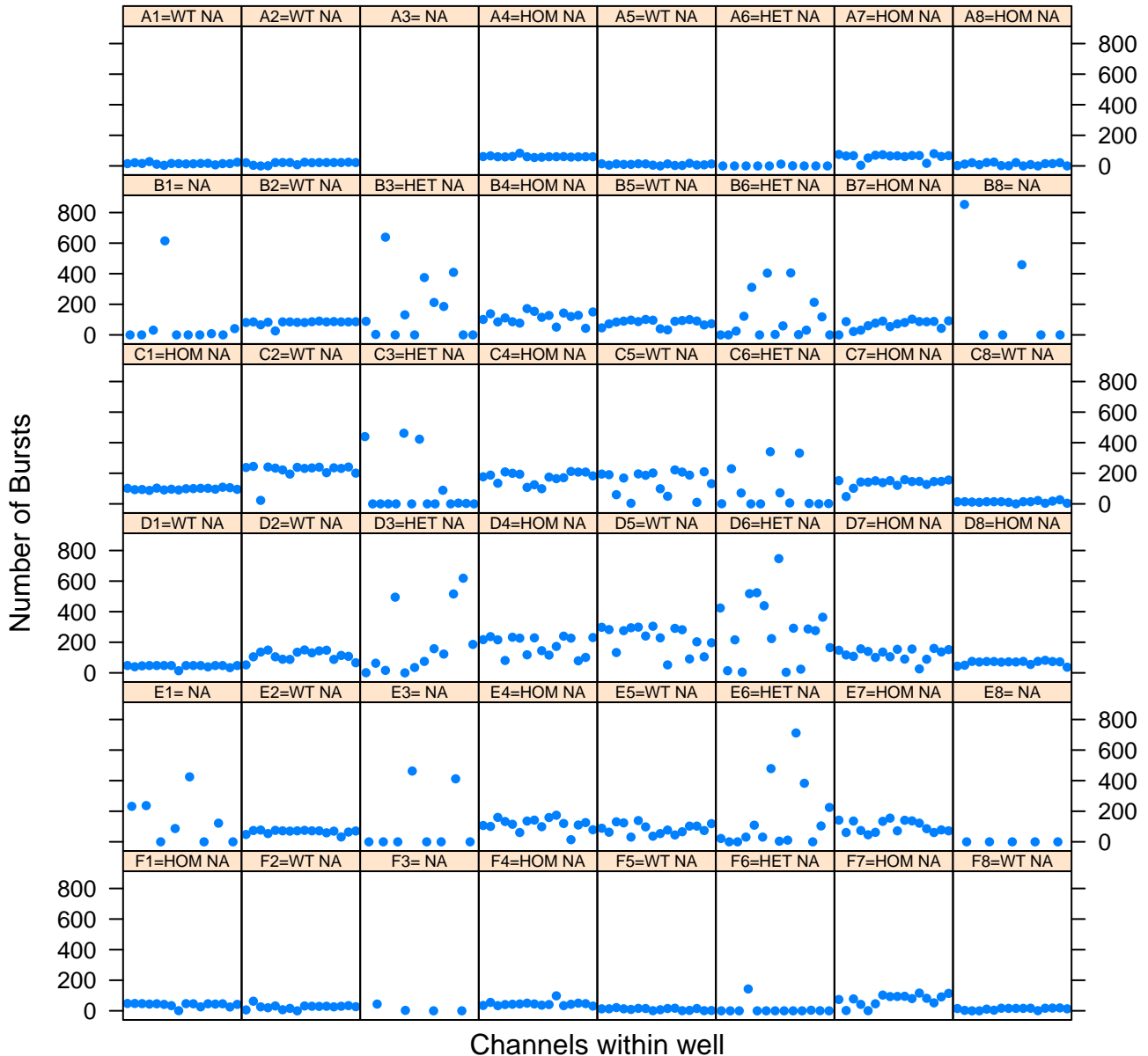
# Mean Duration of Burst (s) by Channels within Wells

file= Kcnt1Y777H\_20170817\_500659\_DIV19



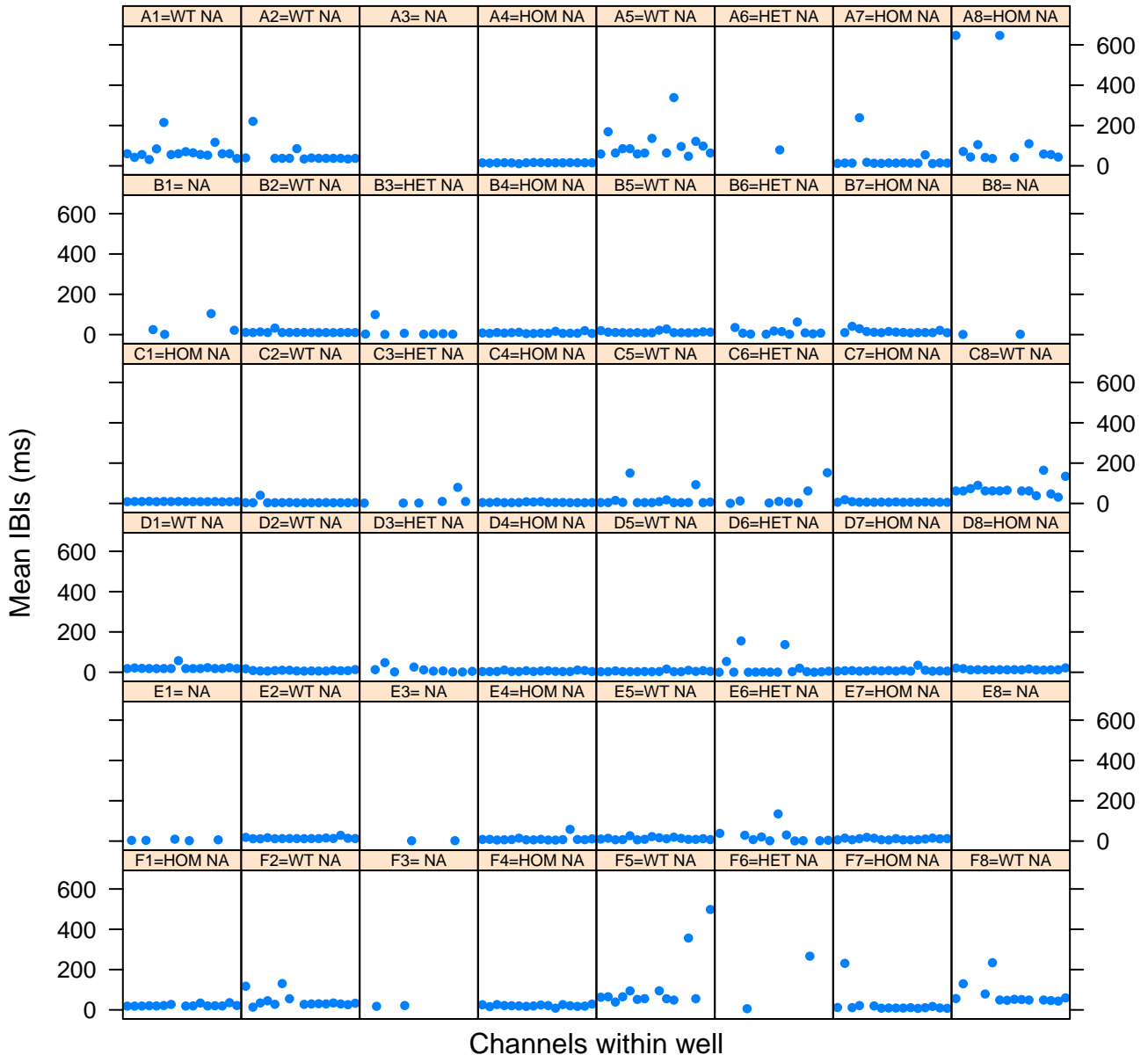
# Number of Bursts by Channels within Wells

file= Kcnt1Y777H\_20170817\_500659\_DIV19



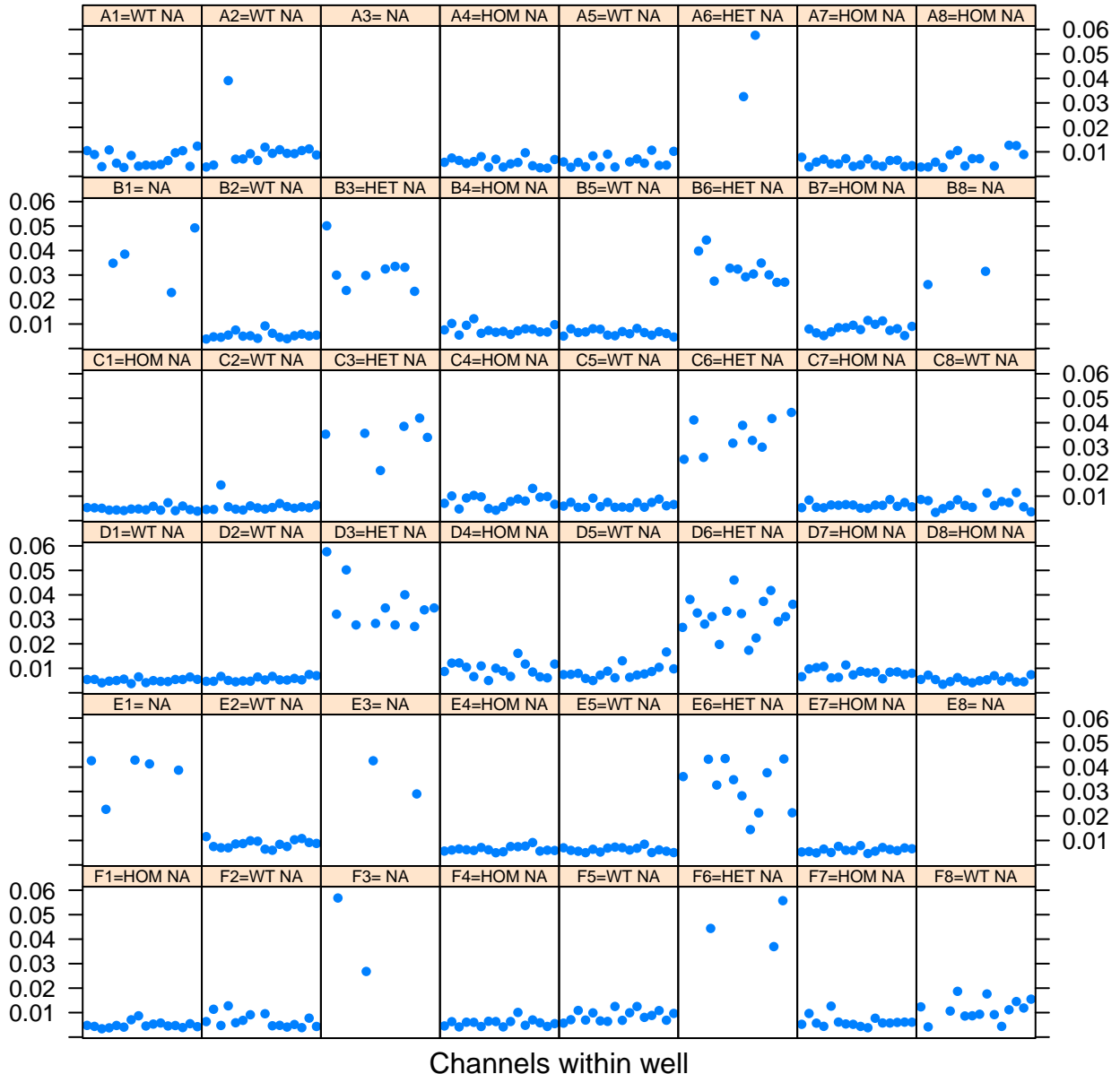
# Mean IBIs (ms) by Channels within Wells

file= Kcnt1Y777H\_20170817\_500659\_DIV19



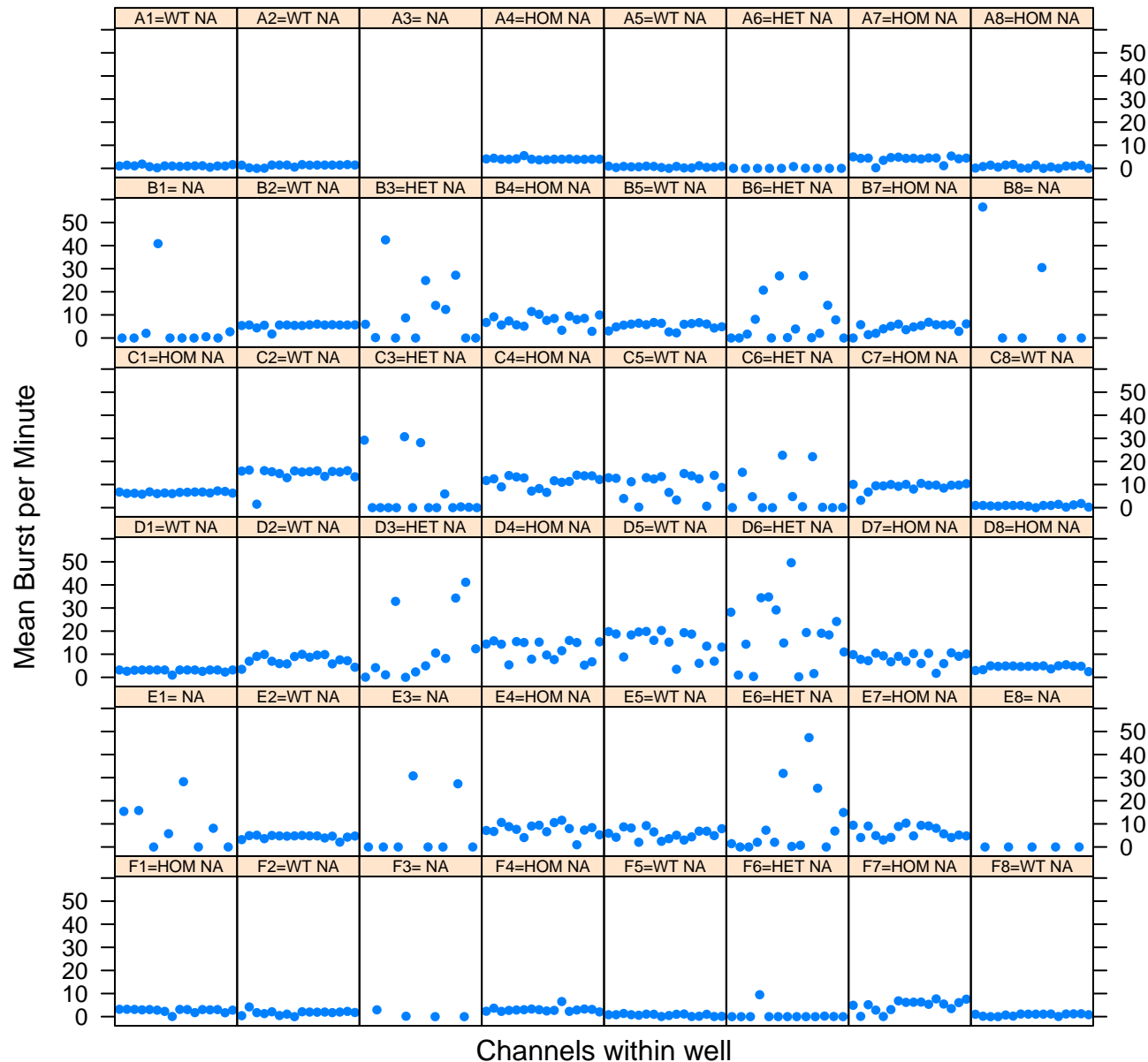
# Mean ISI w/i Bursts (s) by Channels within Wells

file= Kcnt1Y777H\_20170817\_500659\_DIV19

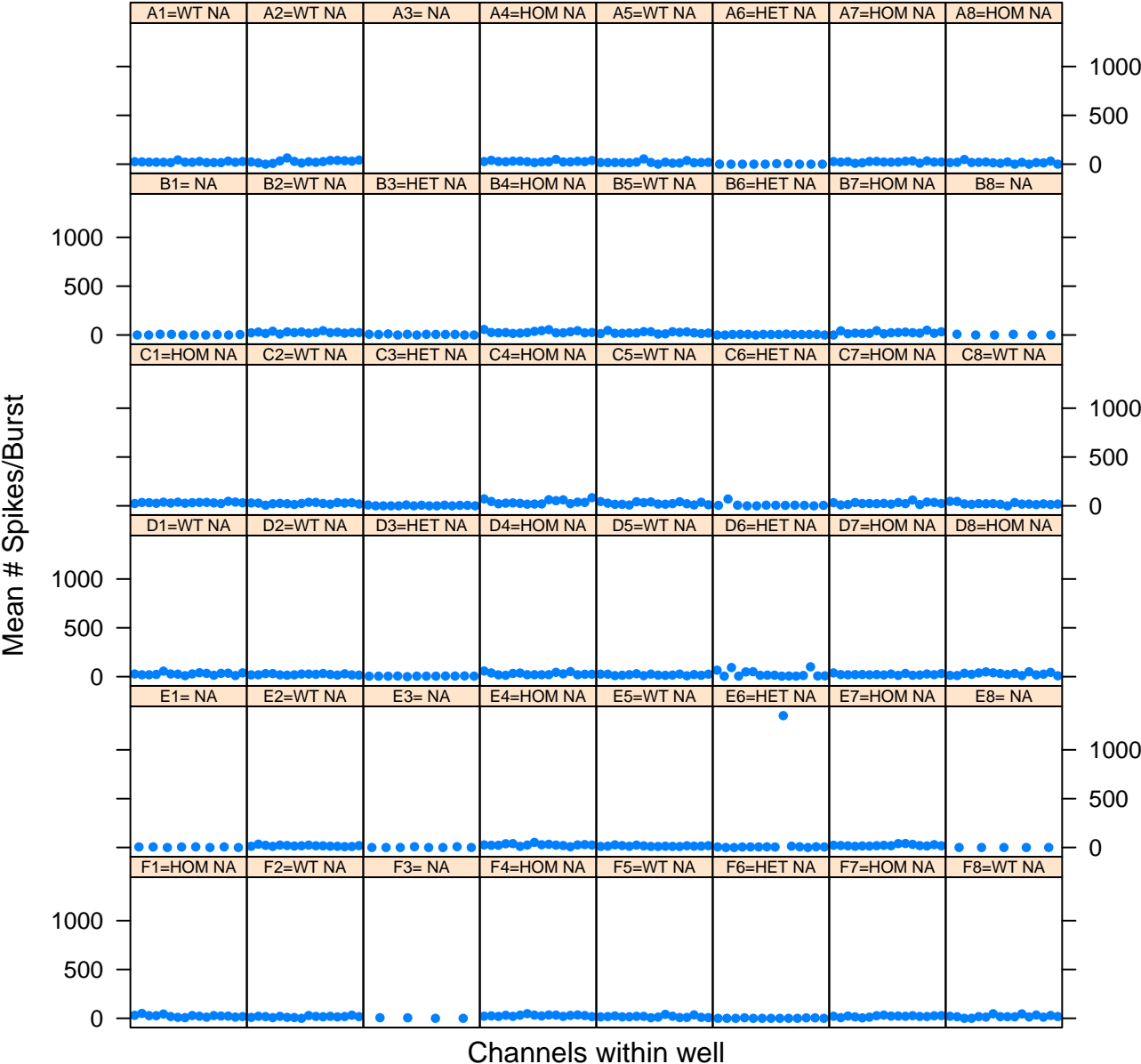


# Mean Burst per Minute by Channels within Wells

file= Kcnt1Y777H\_20170817\_500659\_DIV19



**Mean # Spikes/Burst by Channels within Wells**  
**file= Kcnt1Y777H\_20170817\_500659\_DIV19**



# **% Spikes/Burst by Channels within Wells** file= Kcnt1Y777H\_20170817\_500659\_DIV19

