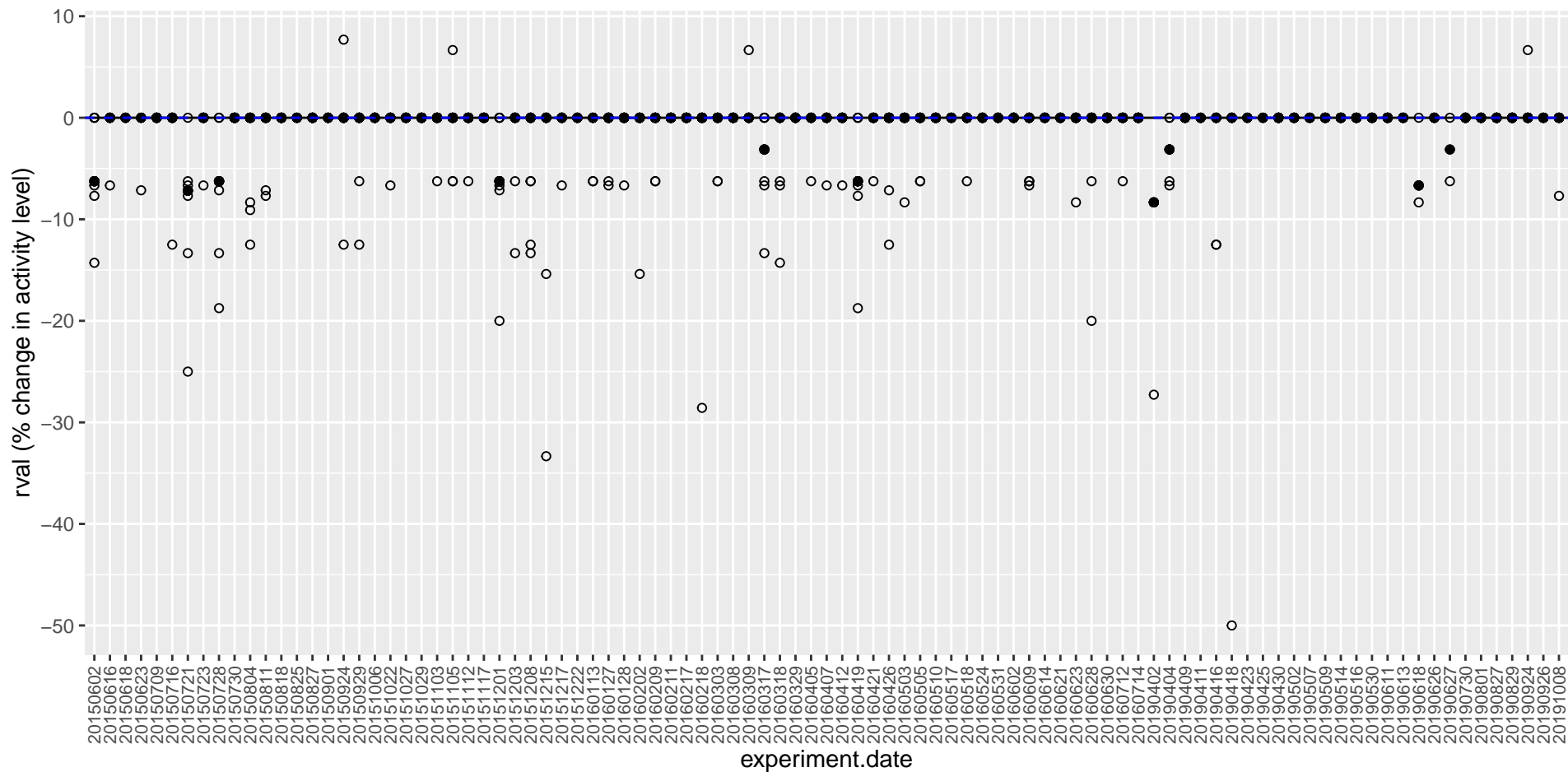


Blue line shows median across all experiment dates

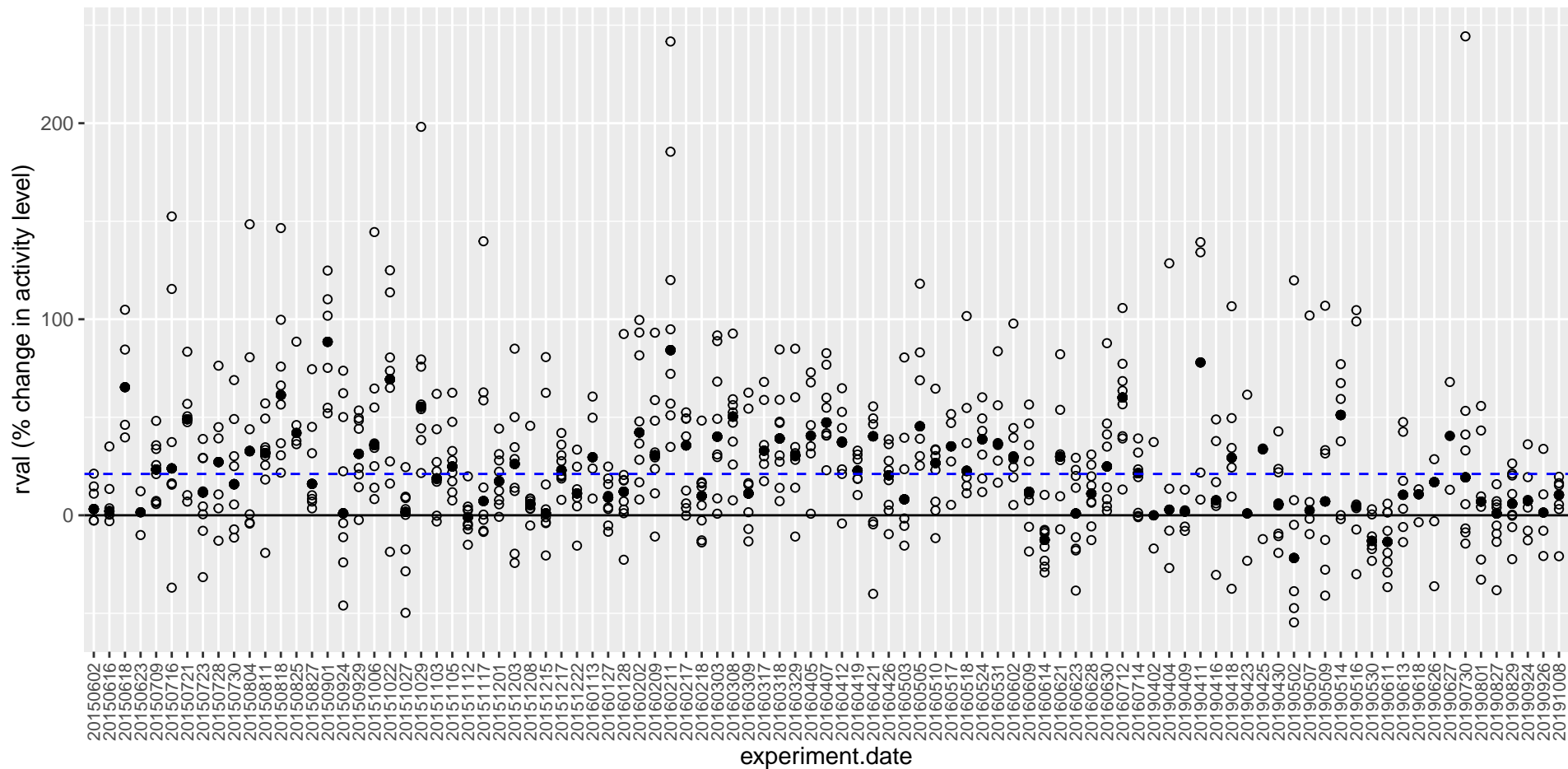


CCTE\_Shafer\_MEA\_acute\_burst\_duration\_IQR\_mean

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates

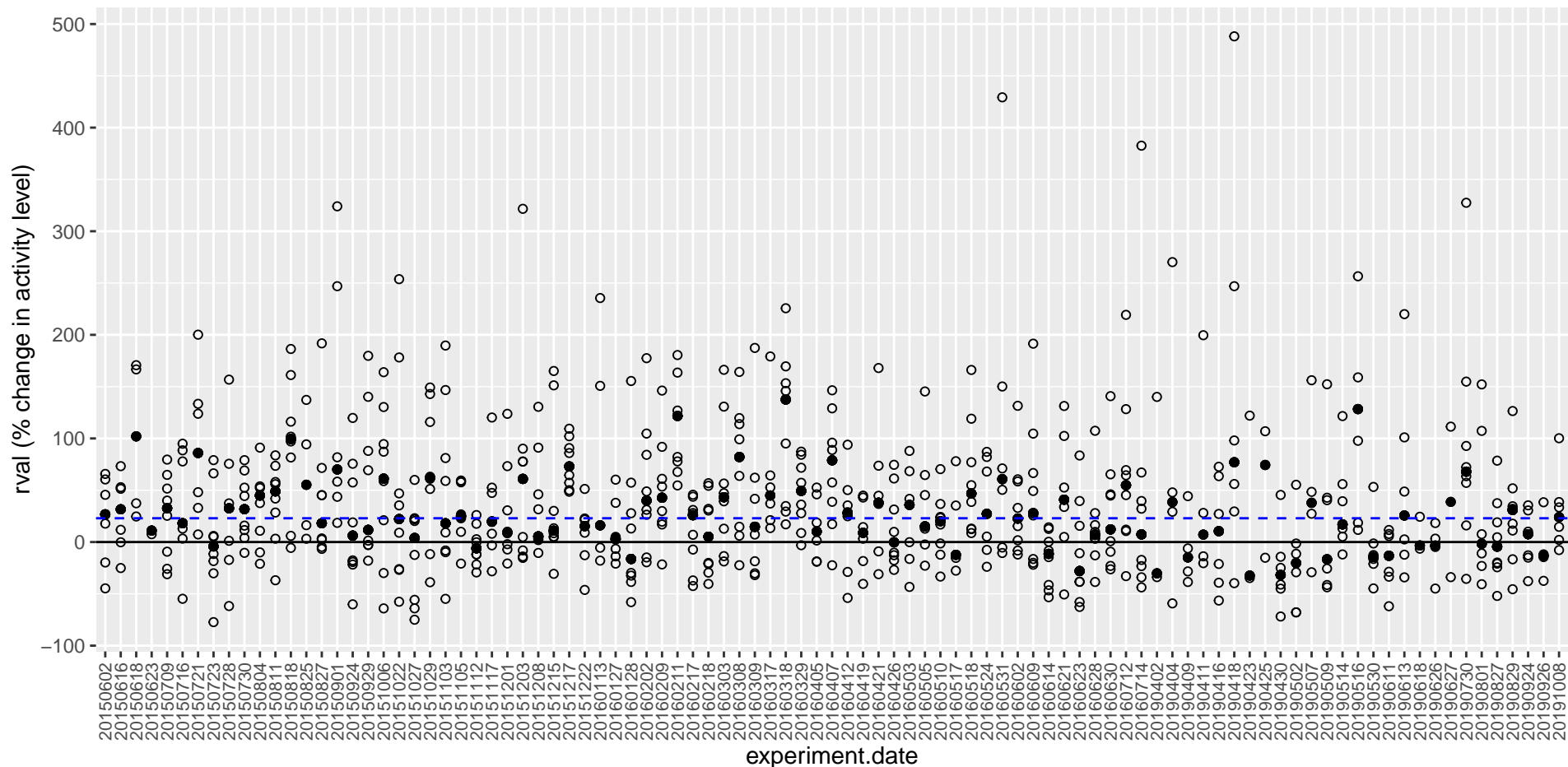


CCTE\_Shafer\_MEA\_acute\_burst\_duration\_IQR\_std

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 3 outliers above 500% excluded removed

Blue line shows median across all experiment dates

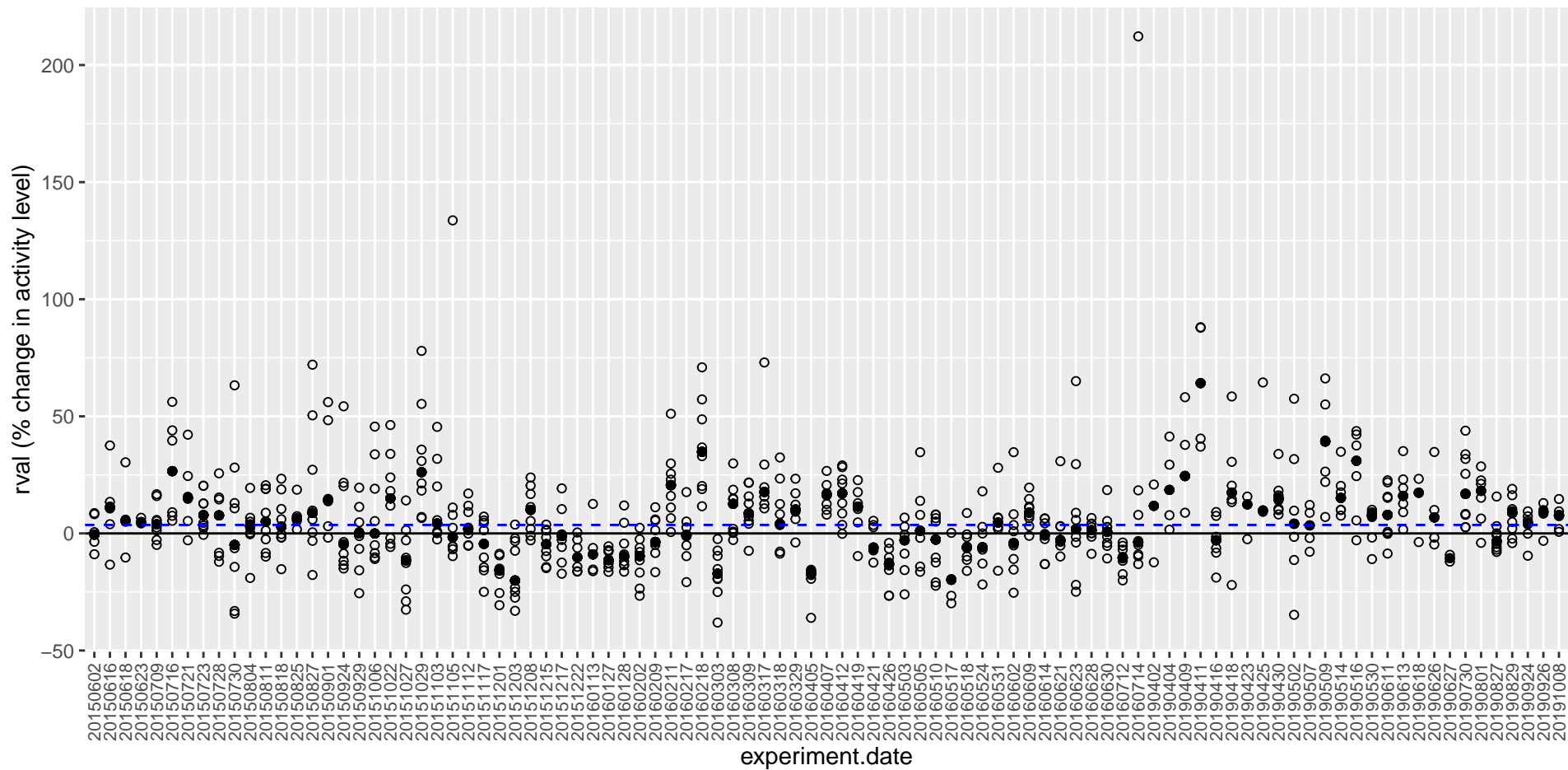


CCTE\_Shafer\_MEA\_acute\_burst\_duration\_mean

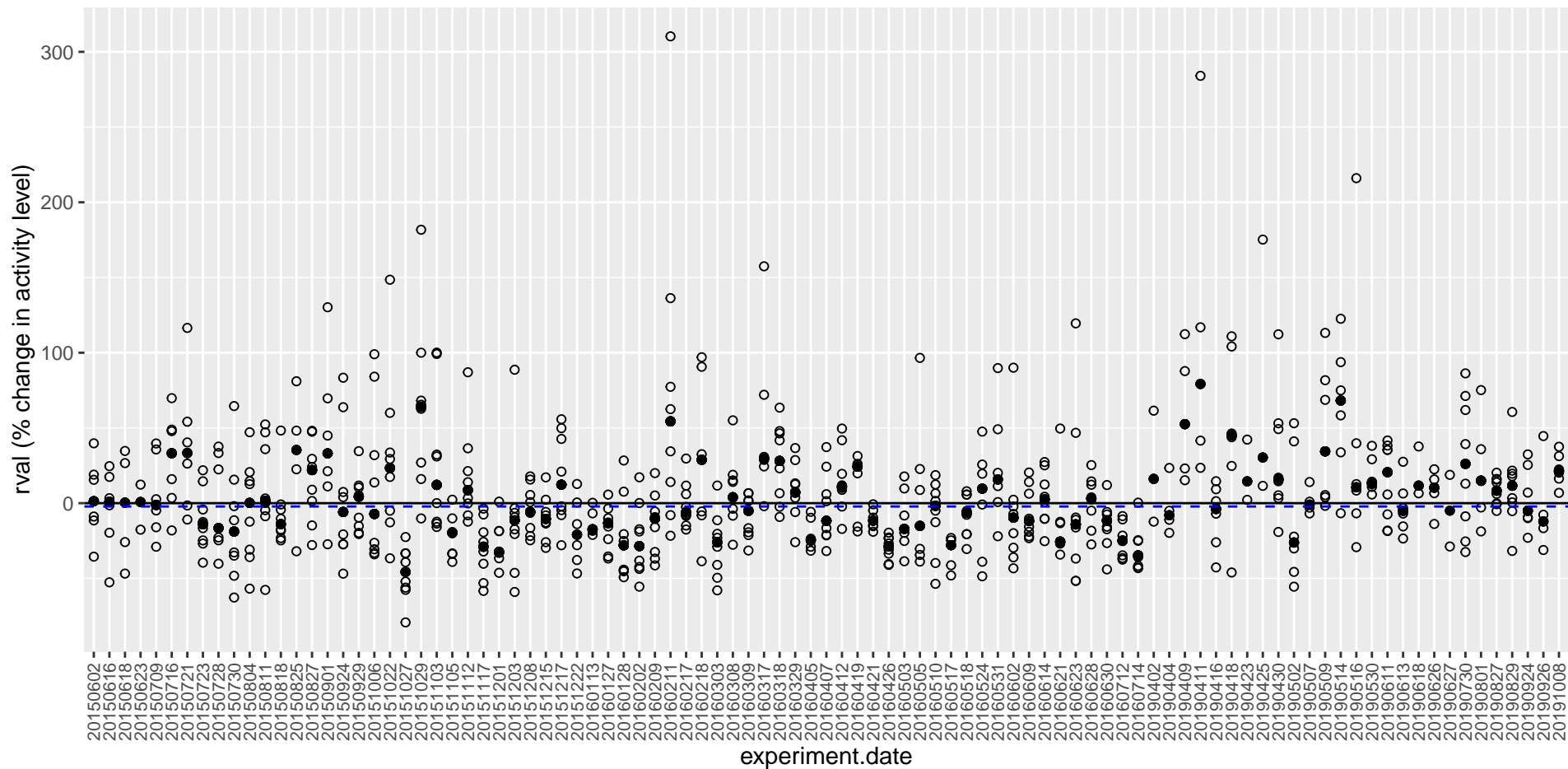
MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates



CCTE\_Shafer\_MEA\_acute\_burst\_duration\_std  
MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date  
Solid points = median of controls by experiment date. 2 outliers above 500% excluded removed  
Blue line shows median across all experiment dates

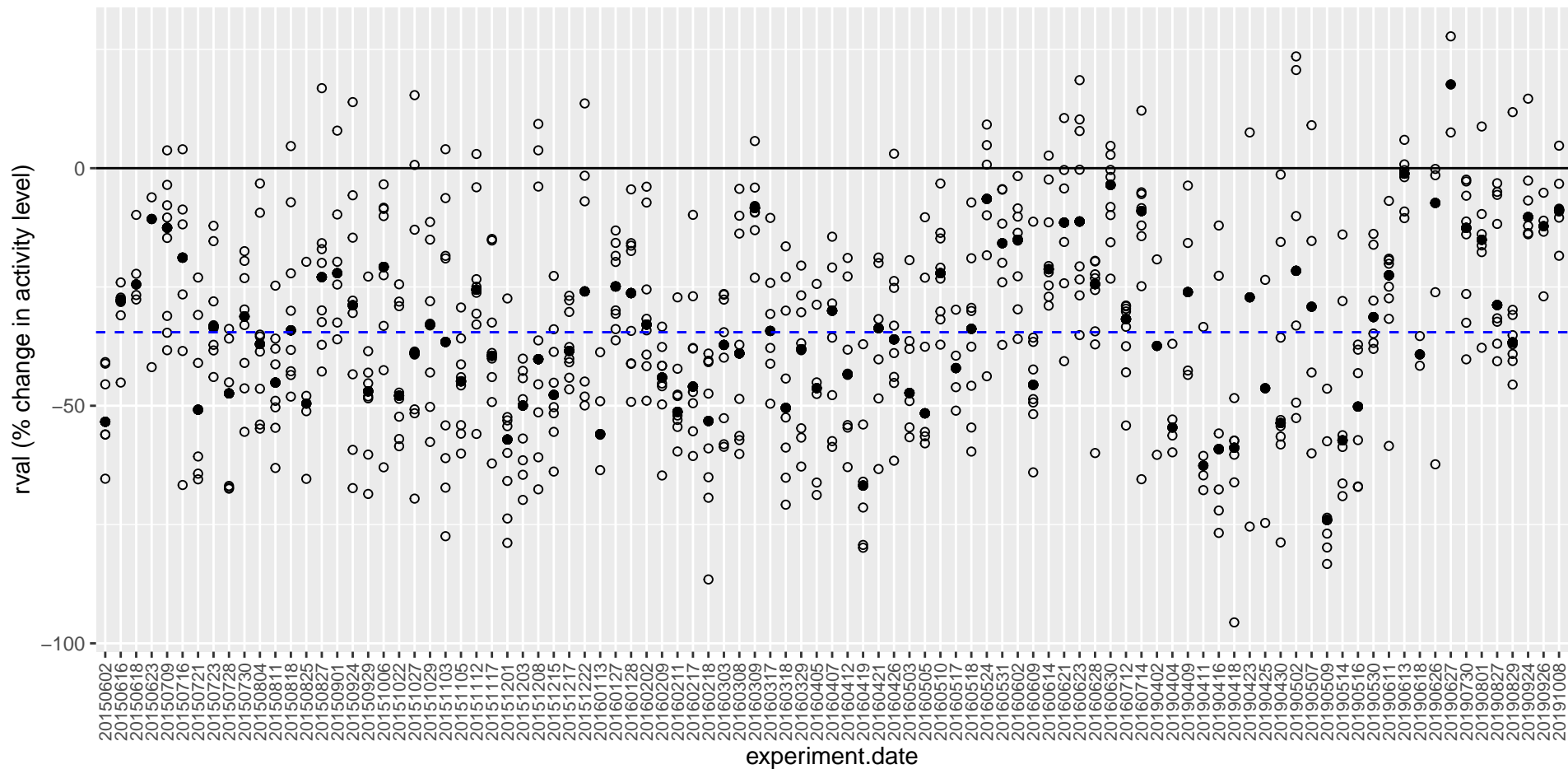


CCTE\_Shafer\_MEA\_acute\_burst\_frequency\_mean

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates

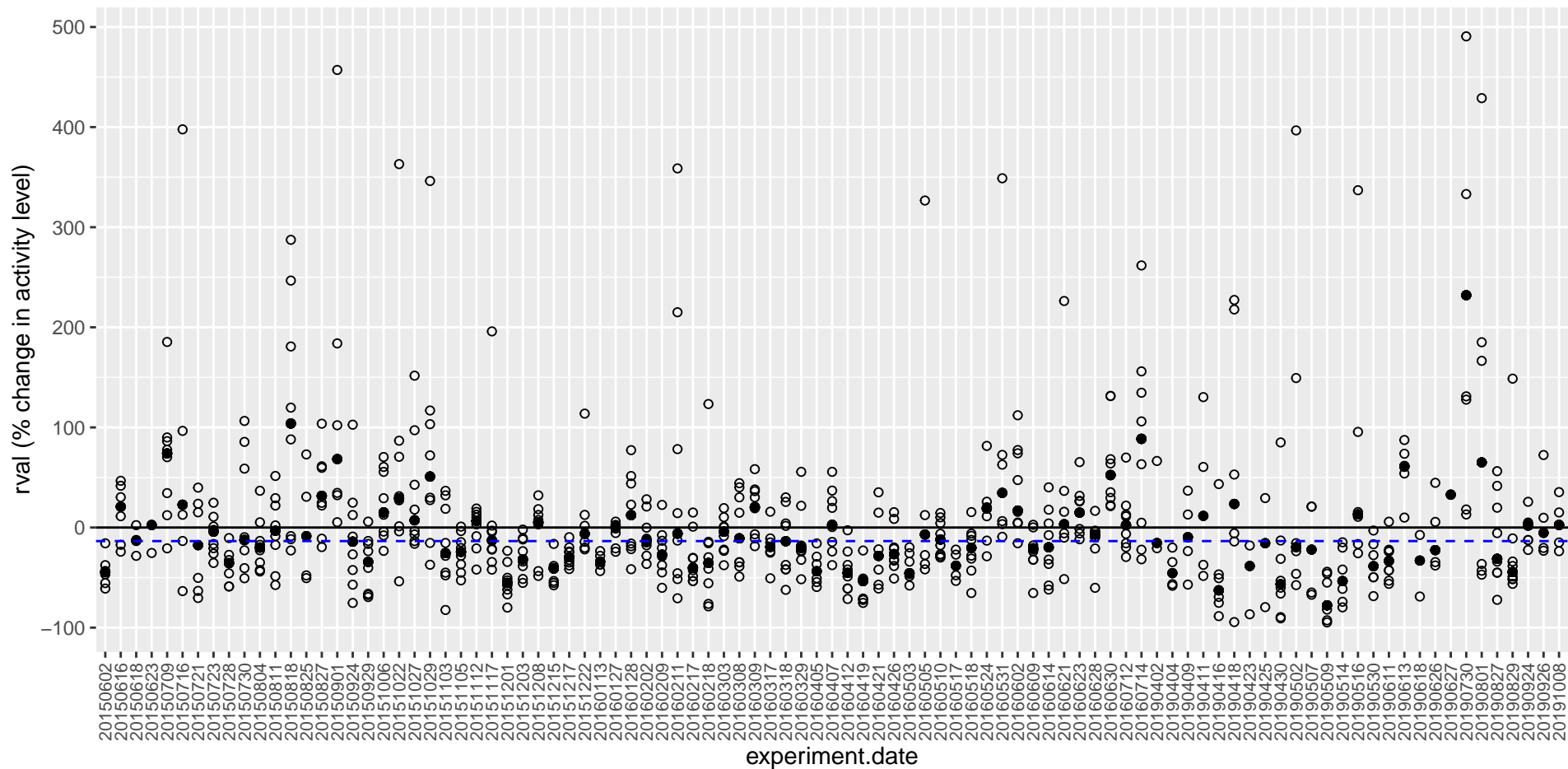


CCTE\_Shafer\_MEA\_acute\_burst\_frequency\_std

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 4 outliers above 500% excluded removed

Blue line shows median across all experiment dates

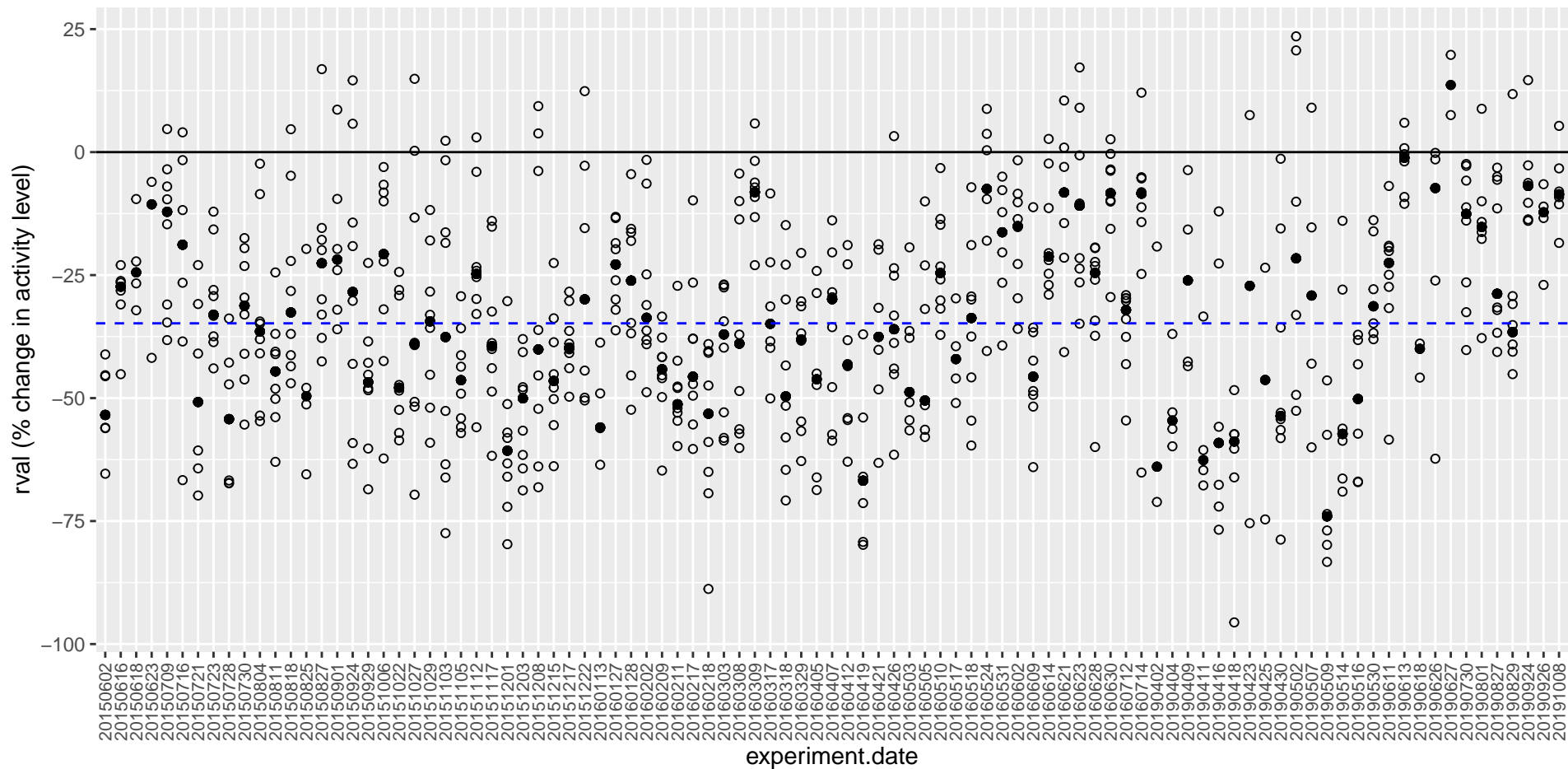


CCTE\_Shafer\_MEA\_acute\_burst\_number

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

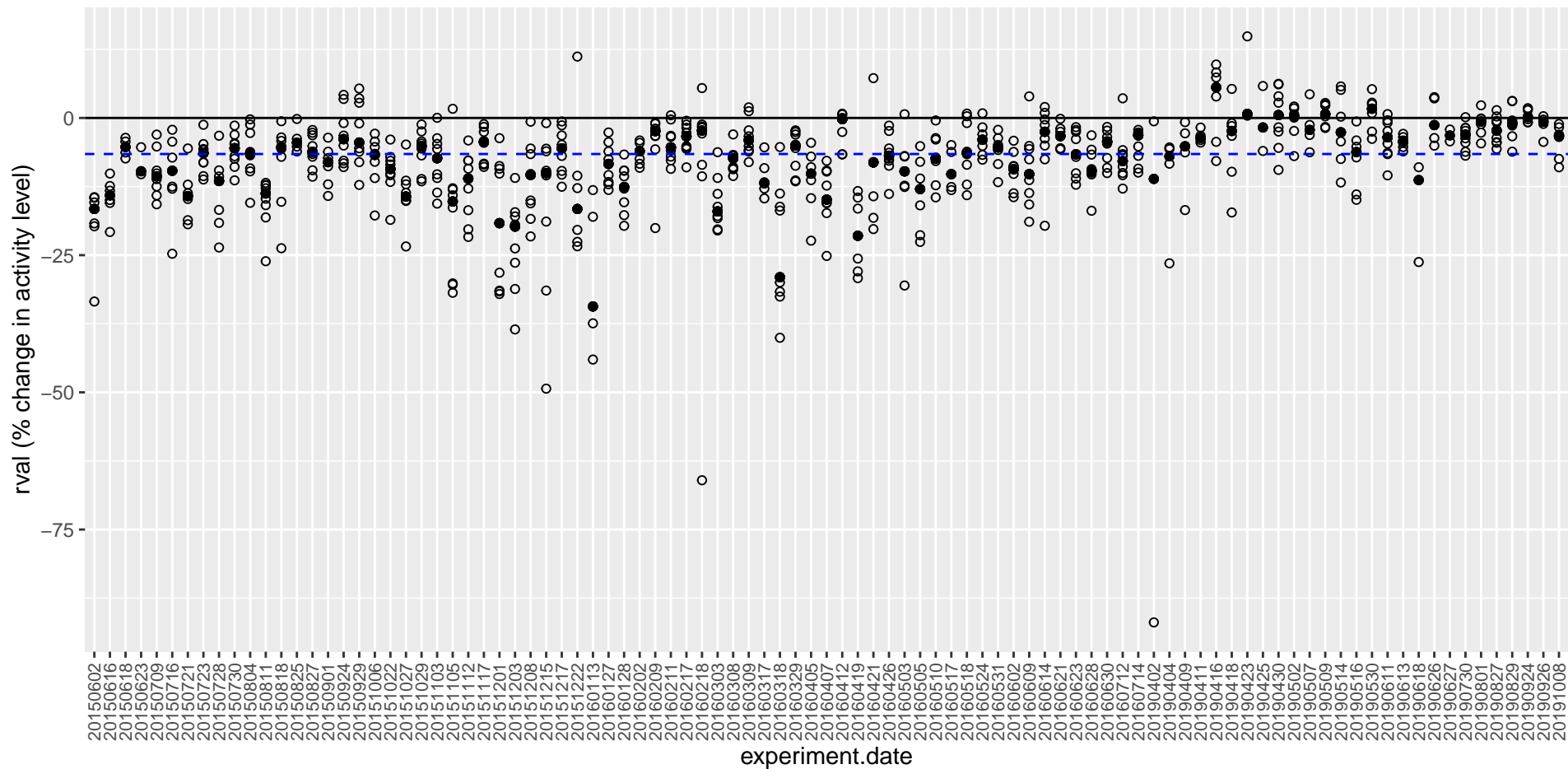
Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates





CCTE\_Shafer\_MEA\_acute\_burst\_percentage\_mean  
MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date  
Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed  
Blue line shows median across all experiment dates

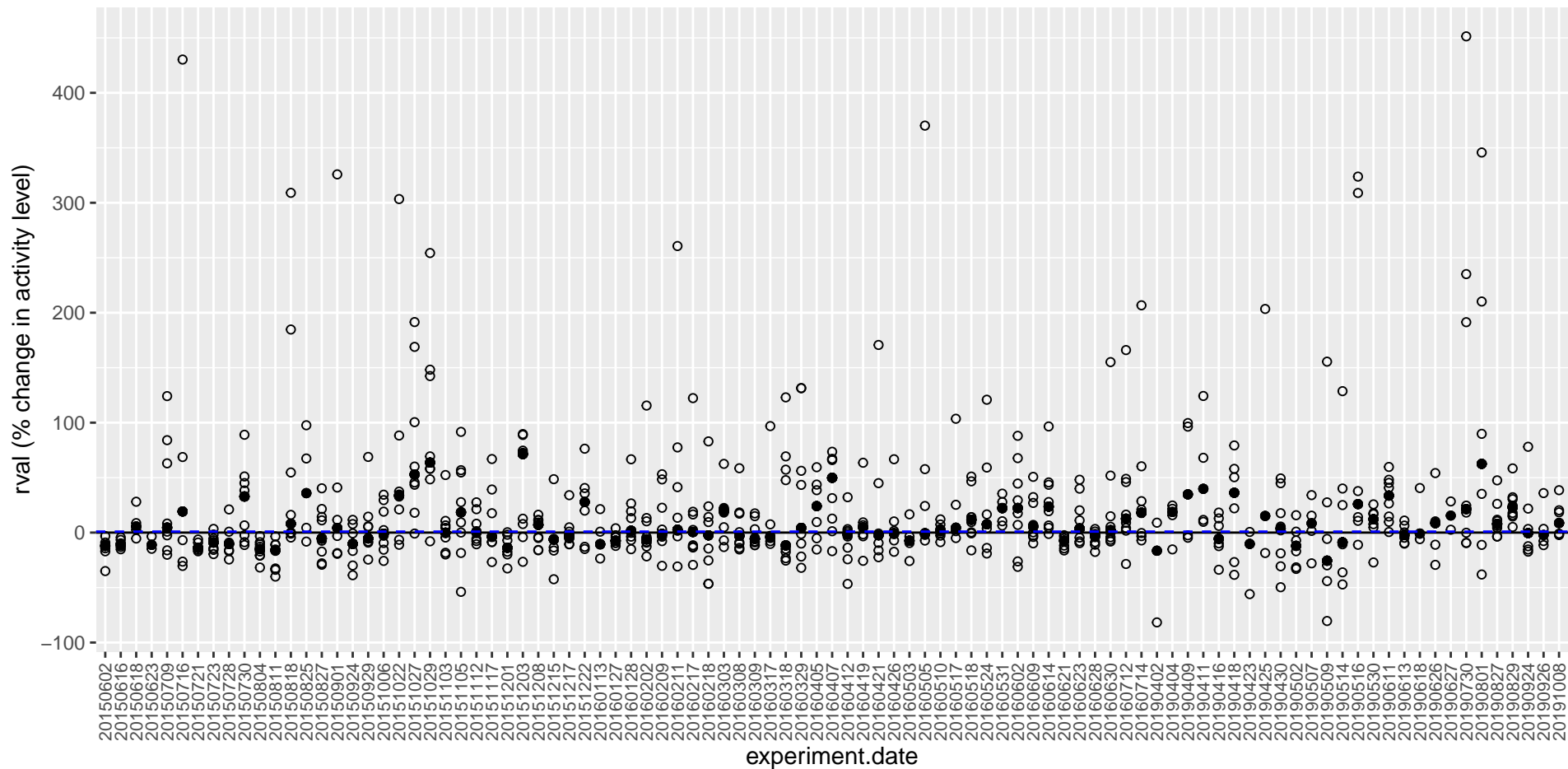


CCTE\_Shafer\_MEA\_acute\_burst\_percentage\_std

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 1 outliers above 500% excluded removed

Blue line shows median across all experiment dates

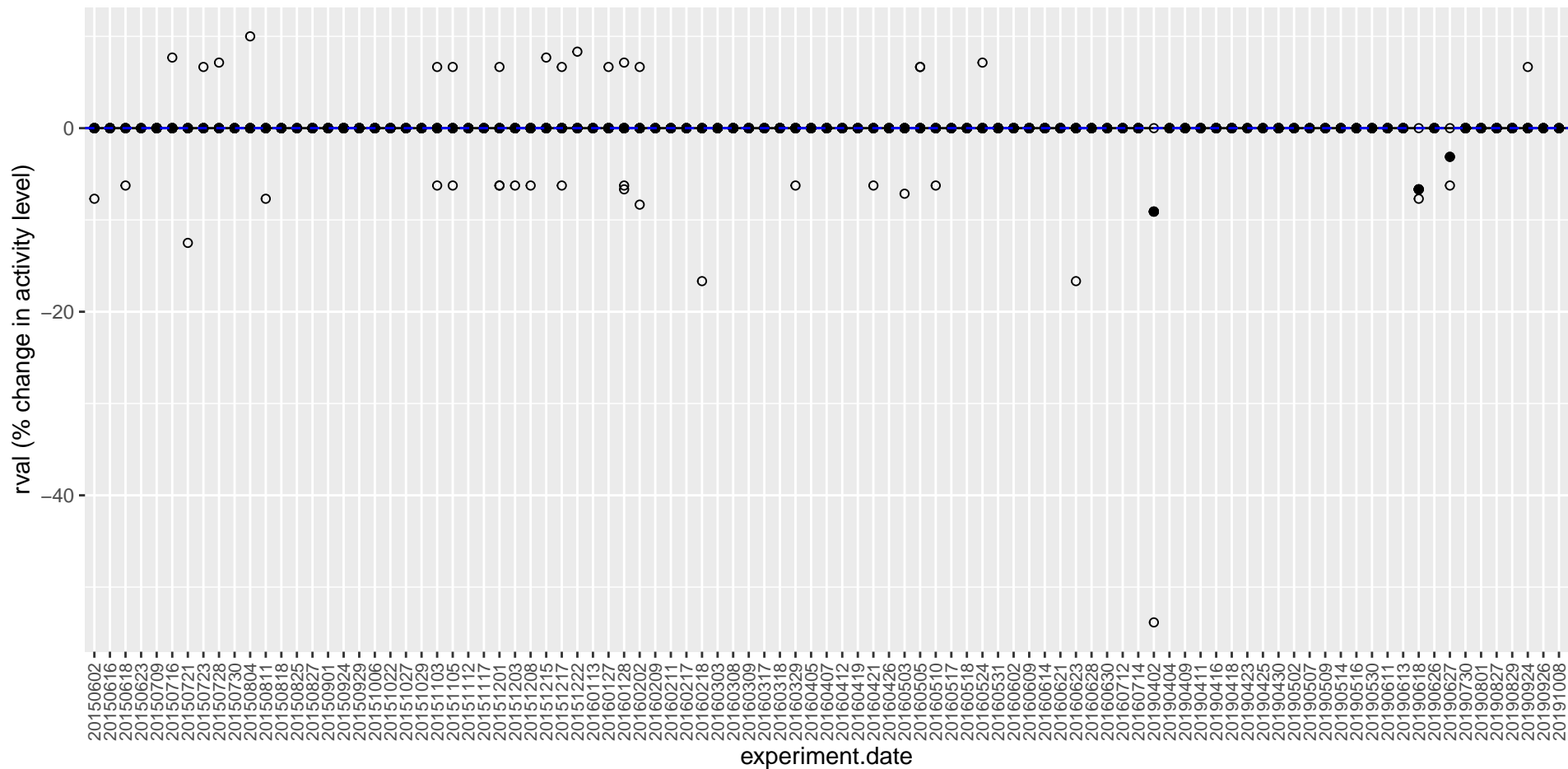


CCTE\_Shafer\_MEA\_acute\_bursting\_electrodes\_number

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates

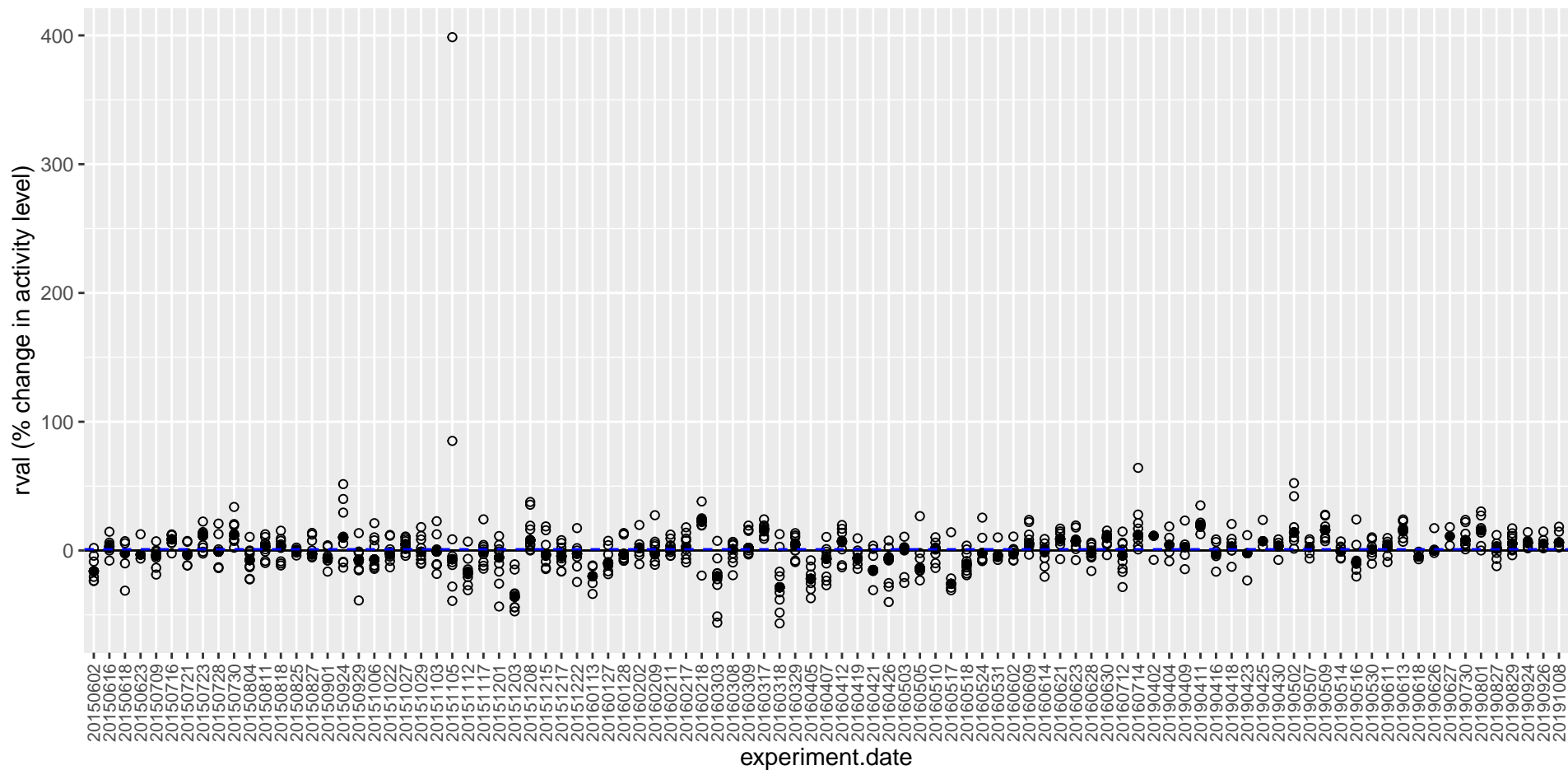


# CCTE\_Shafer\_MEA\_acute\_cross\_correlation\_HWHM

MEA Acute percent change in activity from baseline to treated recording window for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 1 outliers above 500% excluded removed

Blue line shows median across all experiment dates

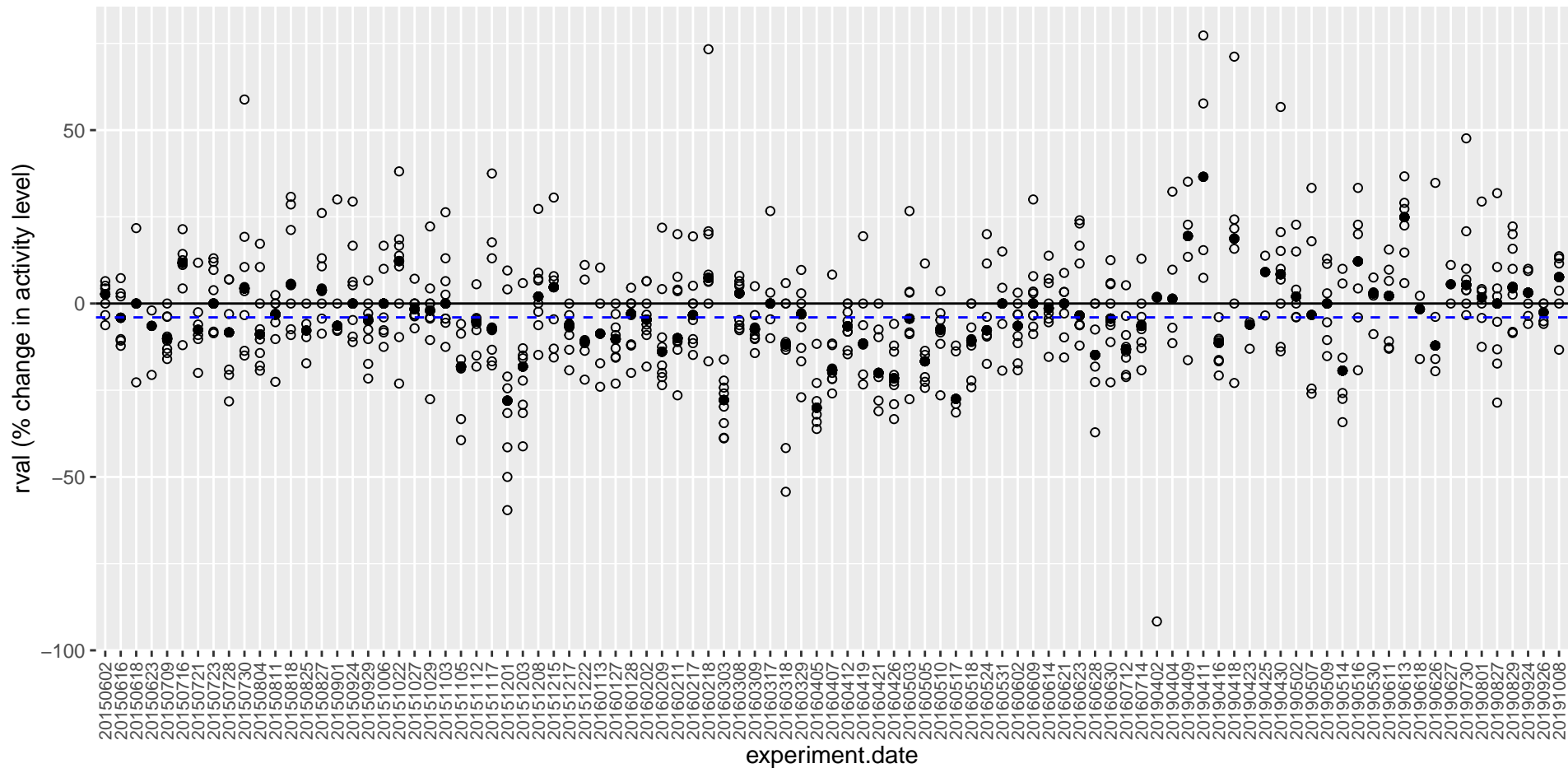


CCTE\_Shafer\_MEA\_acute\_cross\_correlation\_HWHM\_normalized

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates

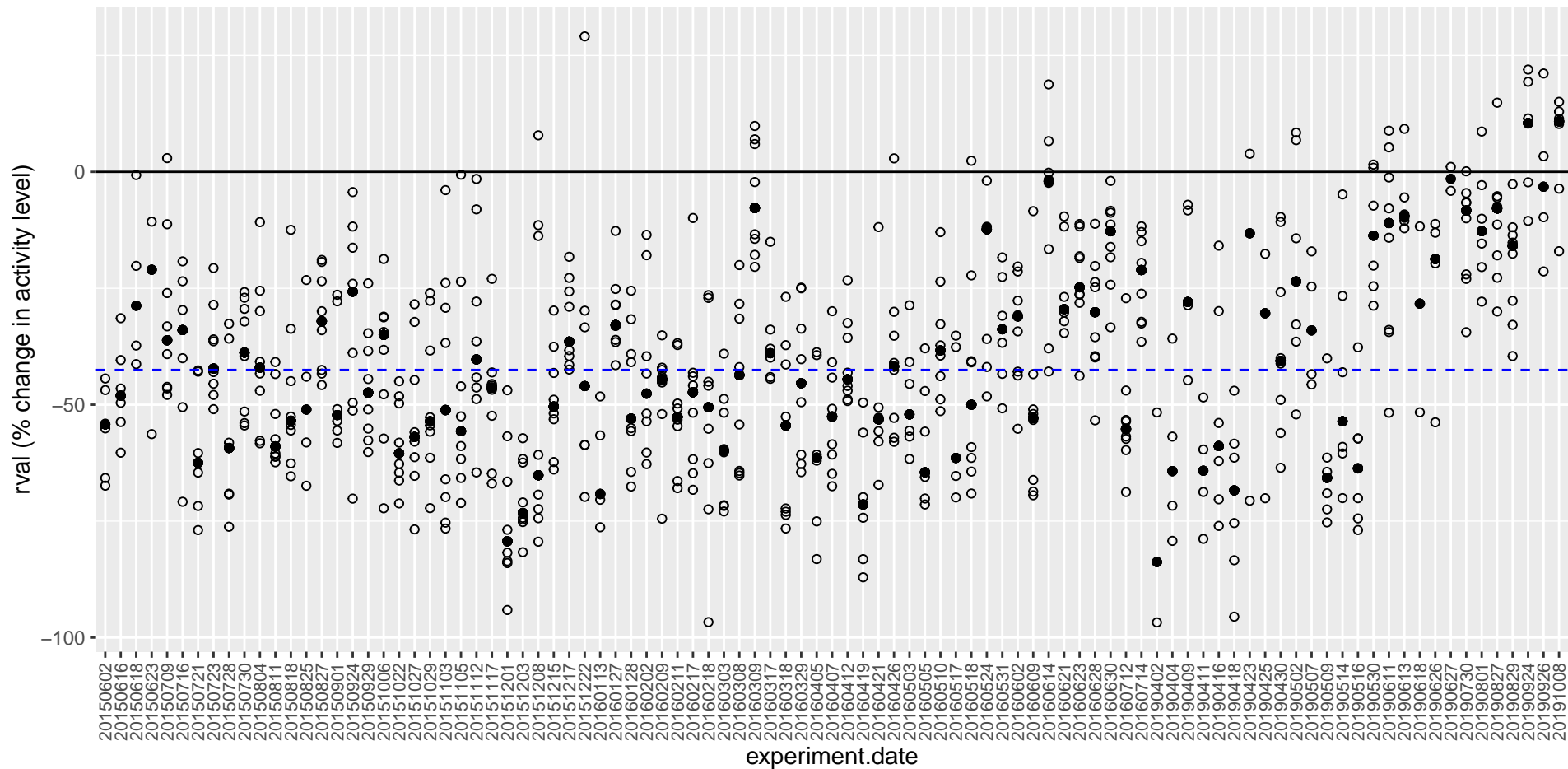


# CCTE\_Shafer\_MEA\_acute\_cross\_correlation\_area

MEA Acute percent change in activity from baseline to treated recording window for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates

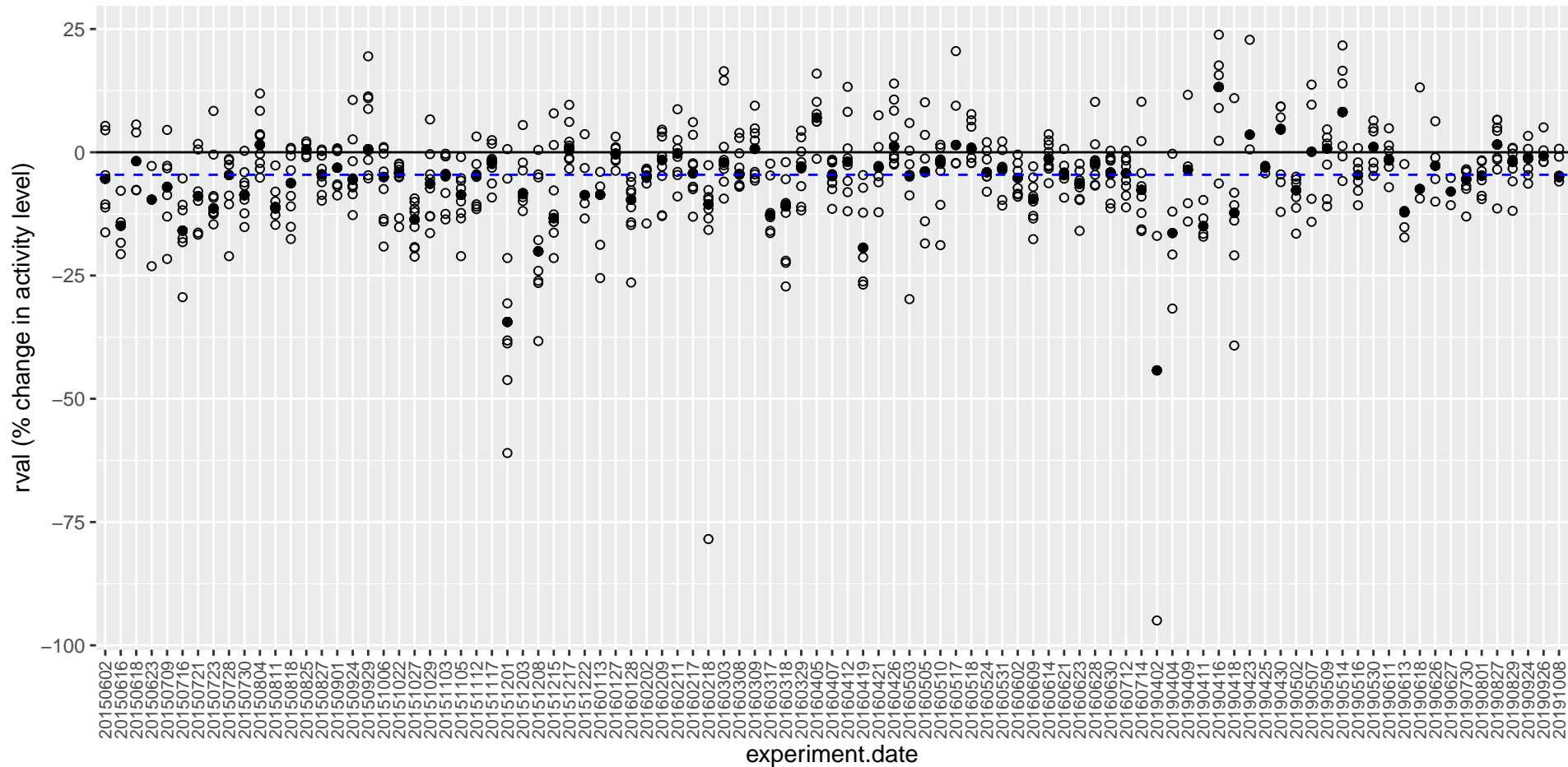


CCTE\_Shafer\_MEA\_acute\_cross\_correlation\_area\_normalized

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates

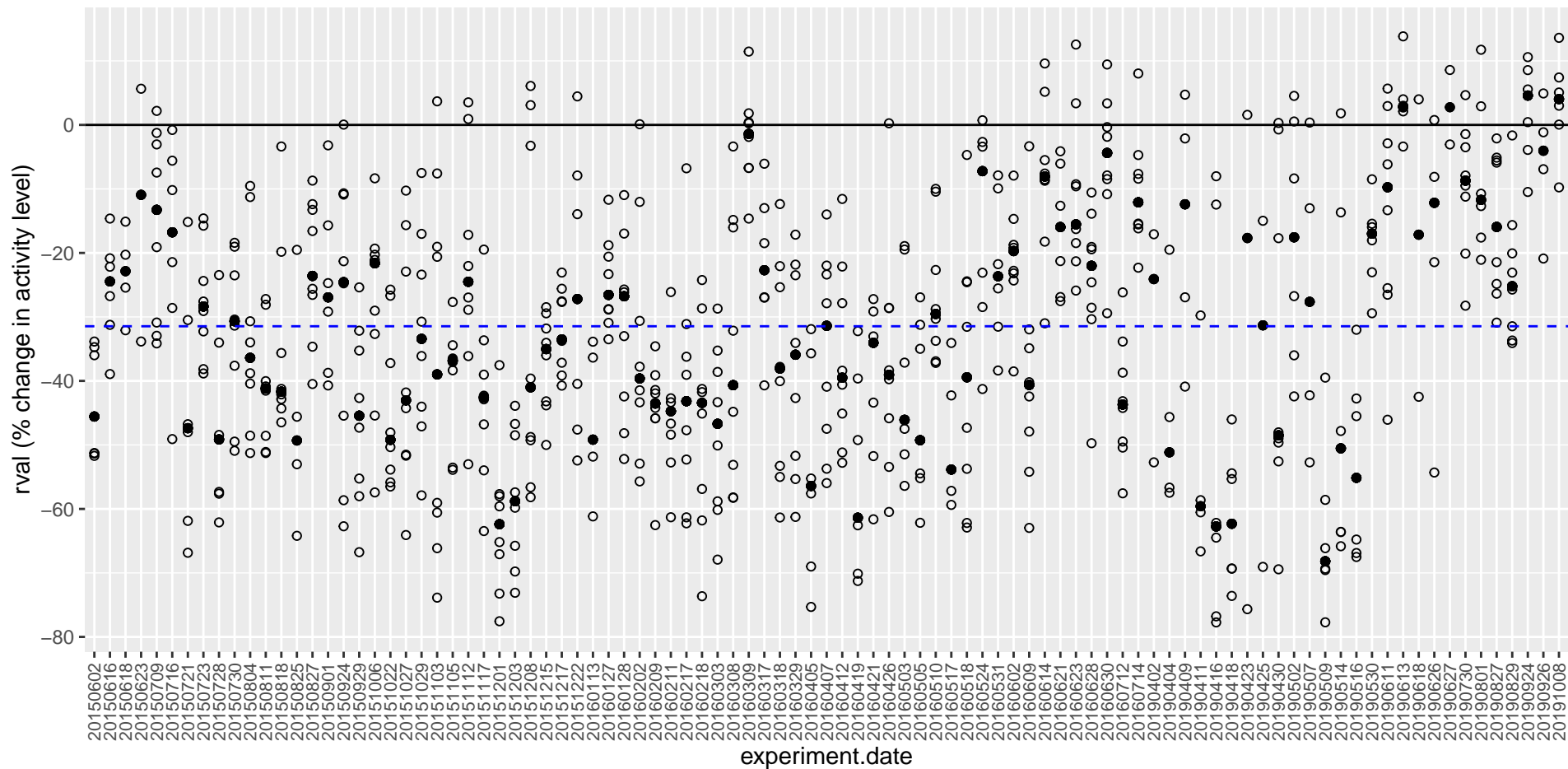


CCTE\_Shafer\_MEA\_acute\_firing\_rate\_mean

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates

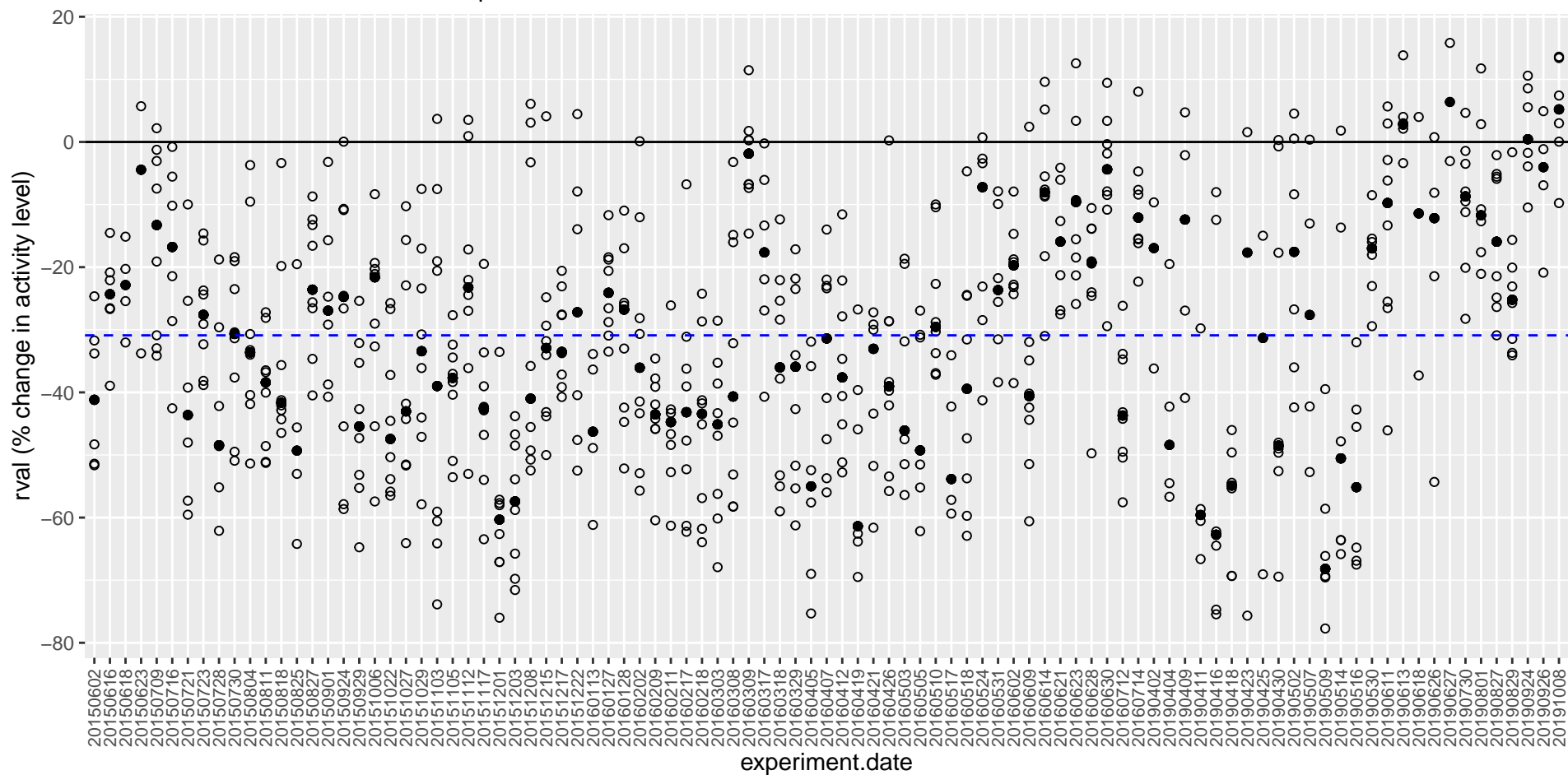




CCTE\_Shafer\_MEA\_acute\_firing\_rate\_mean\_weighted  
MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates

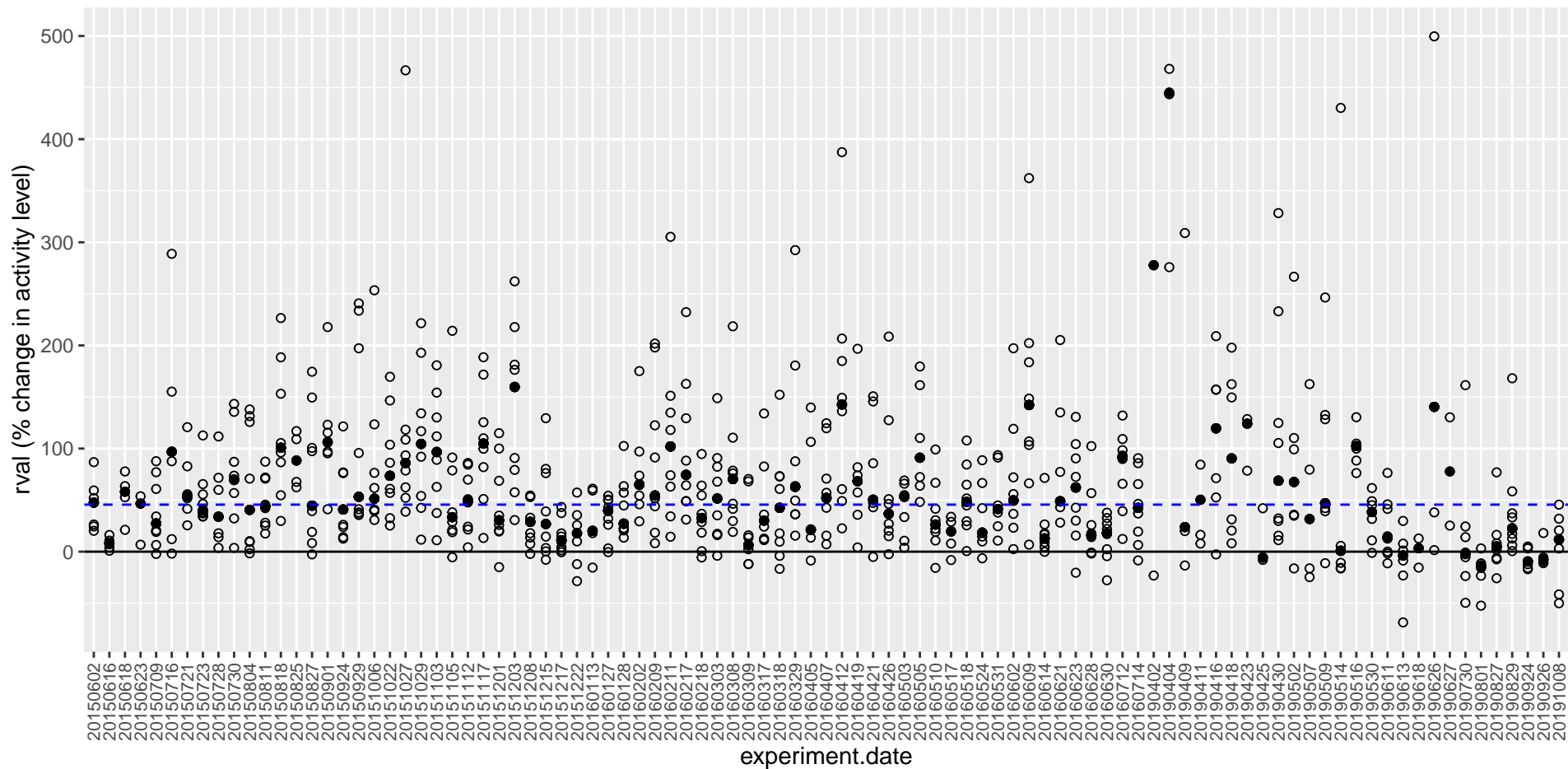


CCTE\_Shafer\_MEA\_acute\_inter-network\_burst\_interval\_CV

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 7 outliers above 500% excluded removed

Blue line shows median across all experiment dates

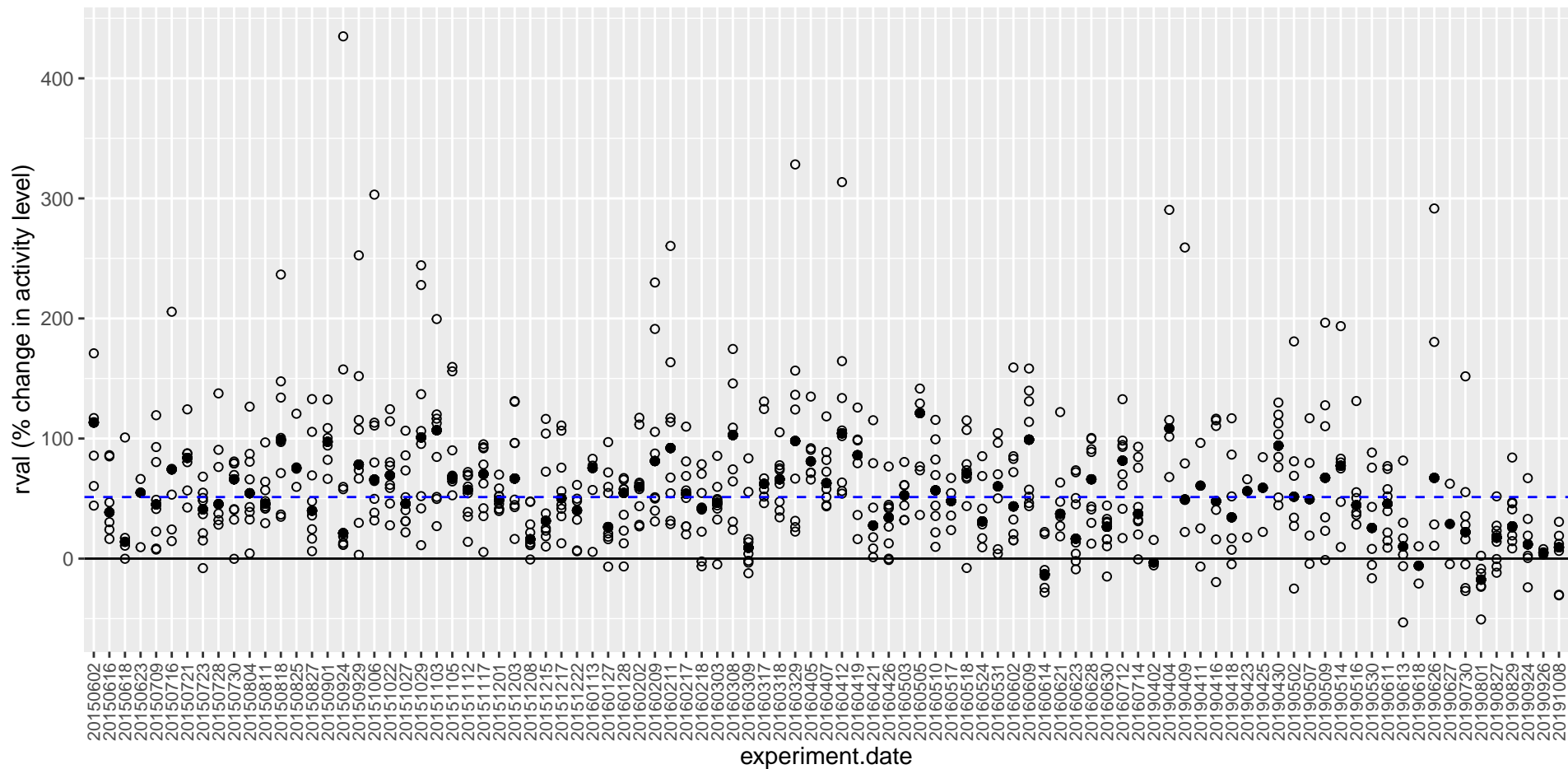


CCTE\_Shafer\_MEA\_acute\_interburst\_interval\_CV\_mean

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 2 outliers above 500% excluded removed

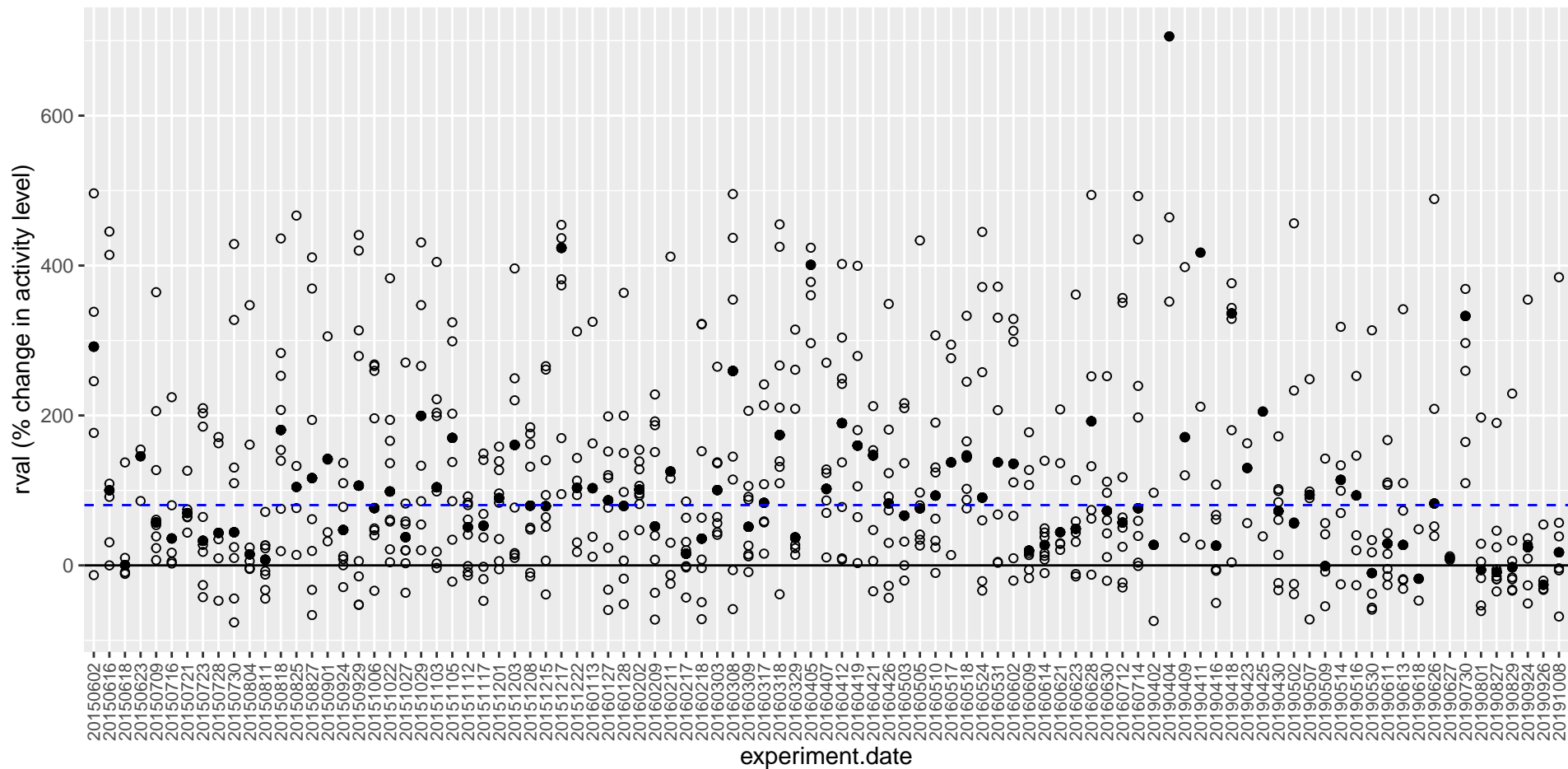
Blue line shows median across all experiment dates



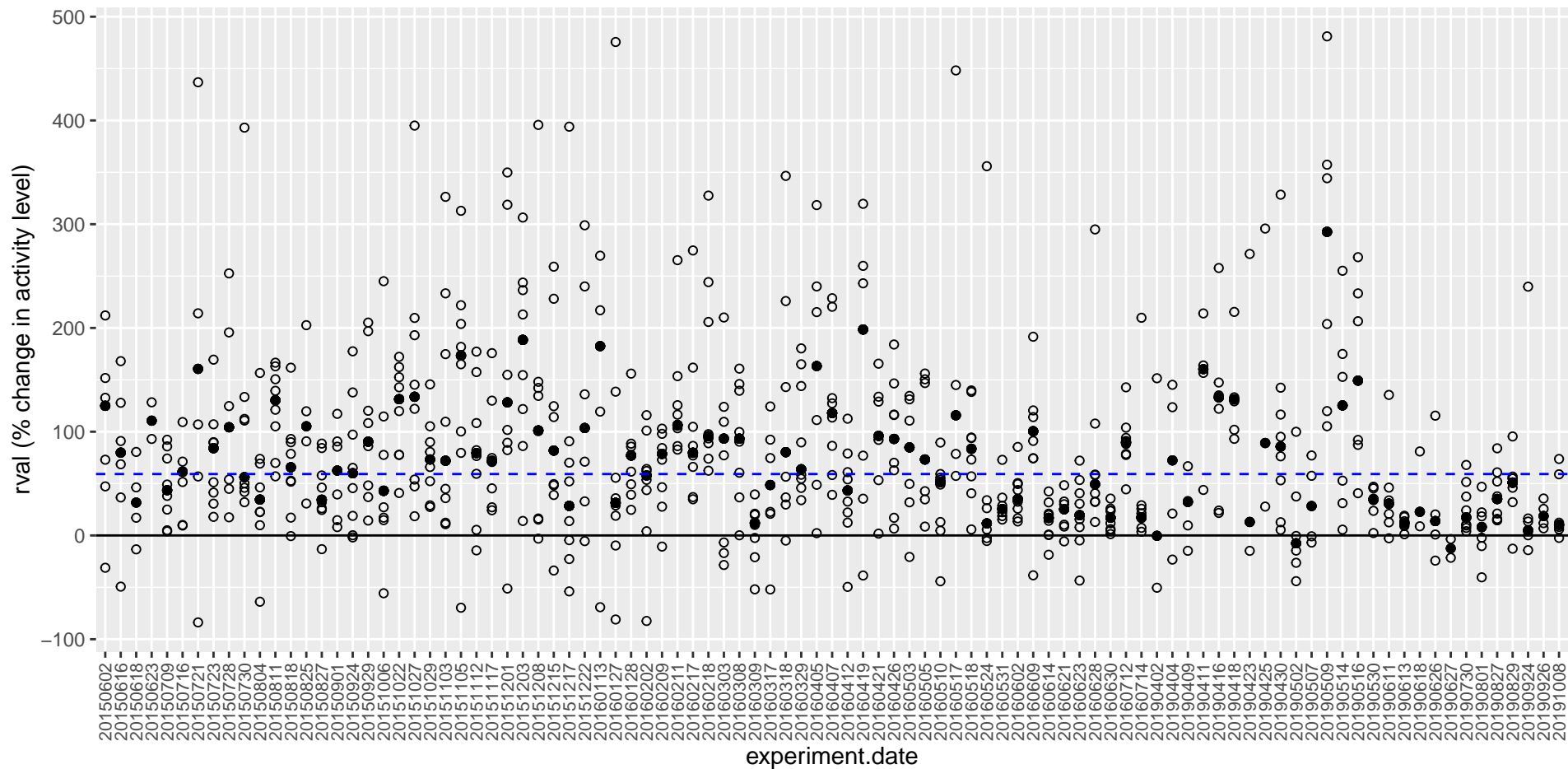
CCTE\_Shafer\_MEA\_acute\_interburst\_interval\_CV\_std  
MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 41 outliers above 500% excluded removed

Blue line shows median across all experiment dates



CCTE\_Shafer\_MEA\_acute\_interburst\_interval\_mean  
 MEA Acute percent change in activity from baseline to treated recording window  
 for DMSO and Water control wells. All MEA Acute data to date  
 Solid points = median of controls by experiment date. 6 outliers above 500% excluded removed  
 Blue line shows median across all experiment dates

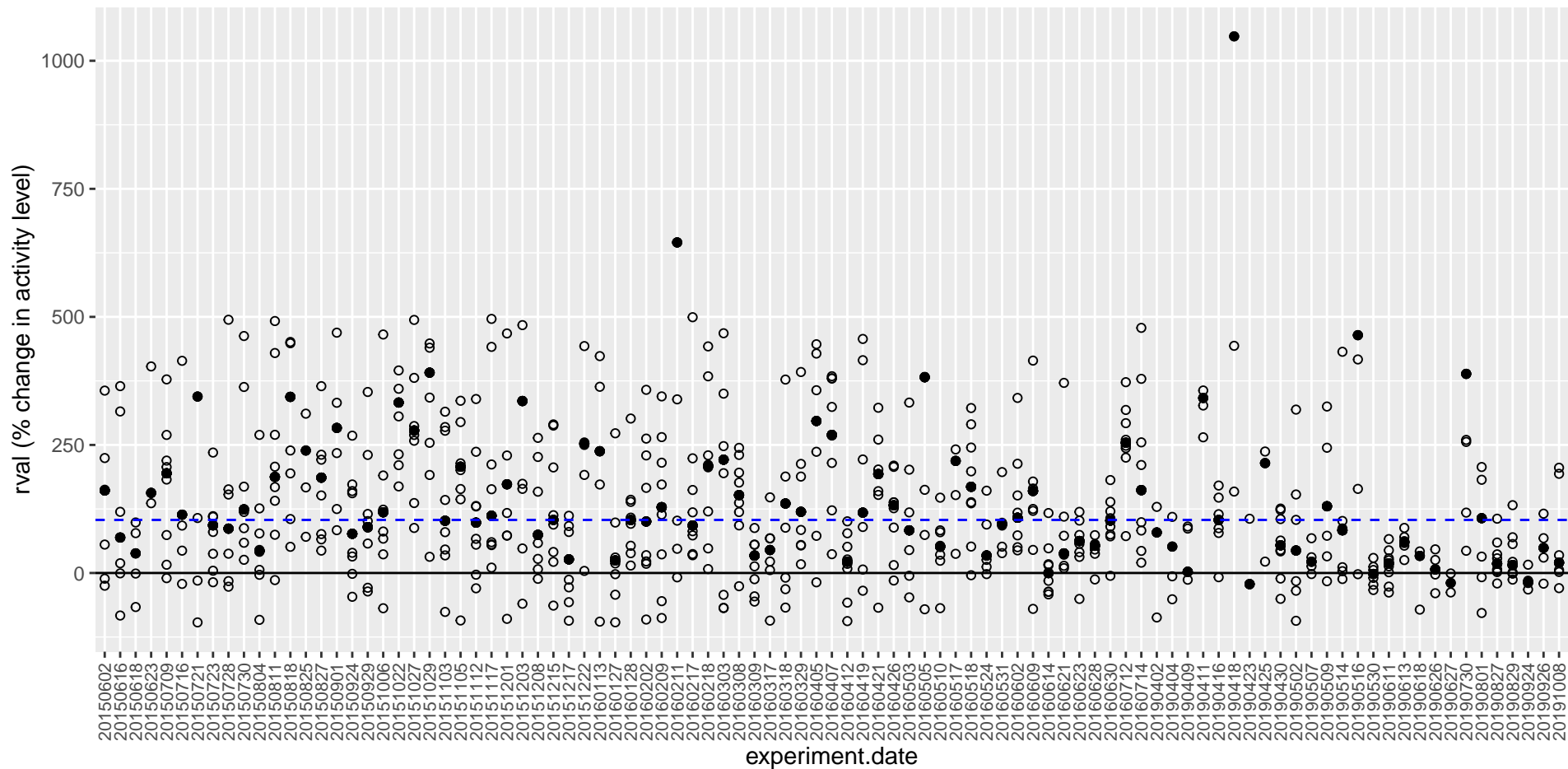


CCTE\_Shafer\_MEA\_acute\_interburst\_interval\_std

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 60 outliers above 500% excluded removed

Blue line shows median across all experiment dates

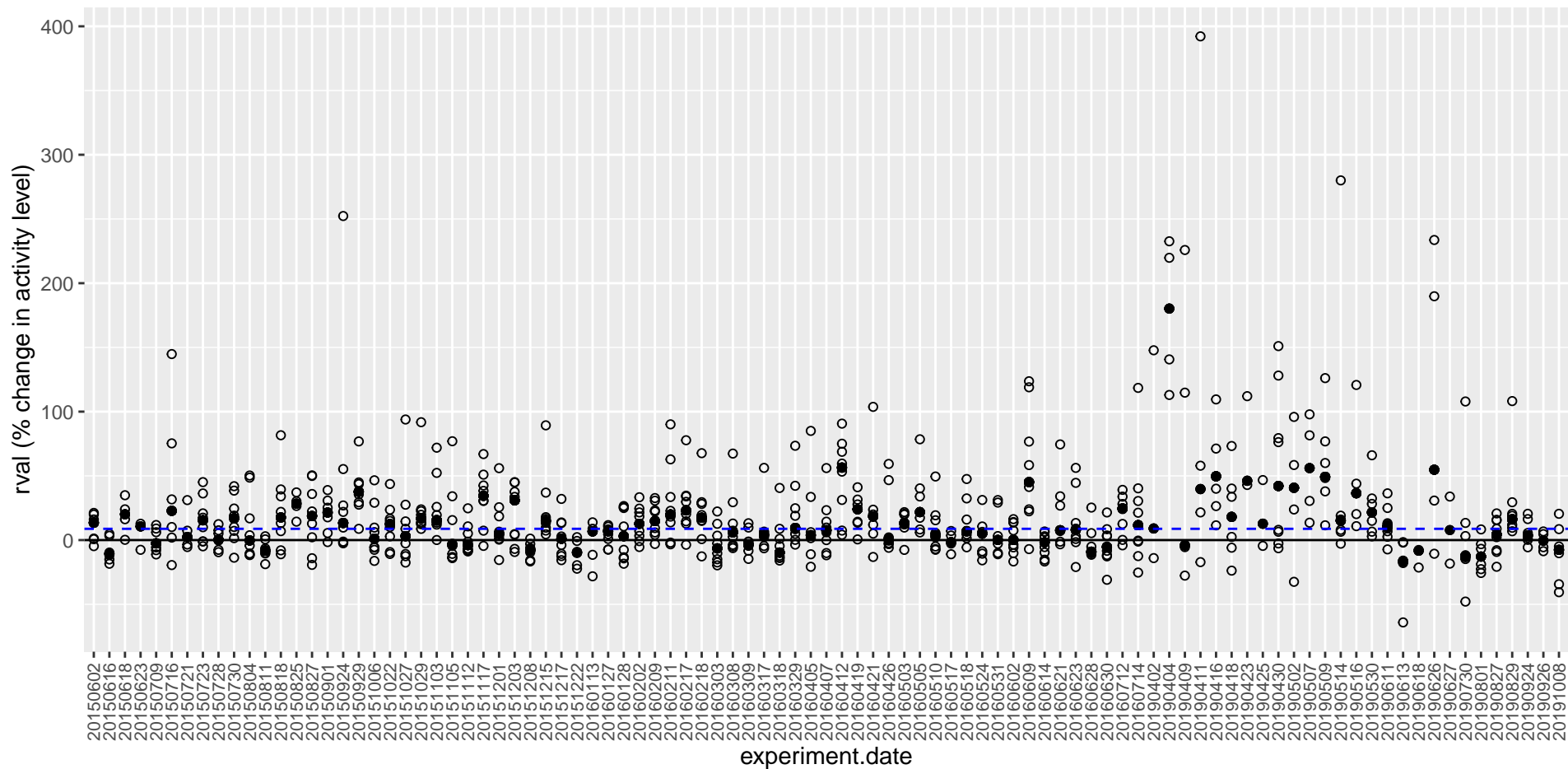


CCTE\_Shafer\_MEA\_acute\_interspike\_interval\_CV

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

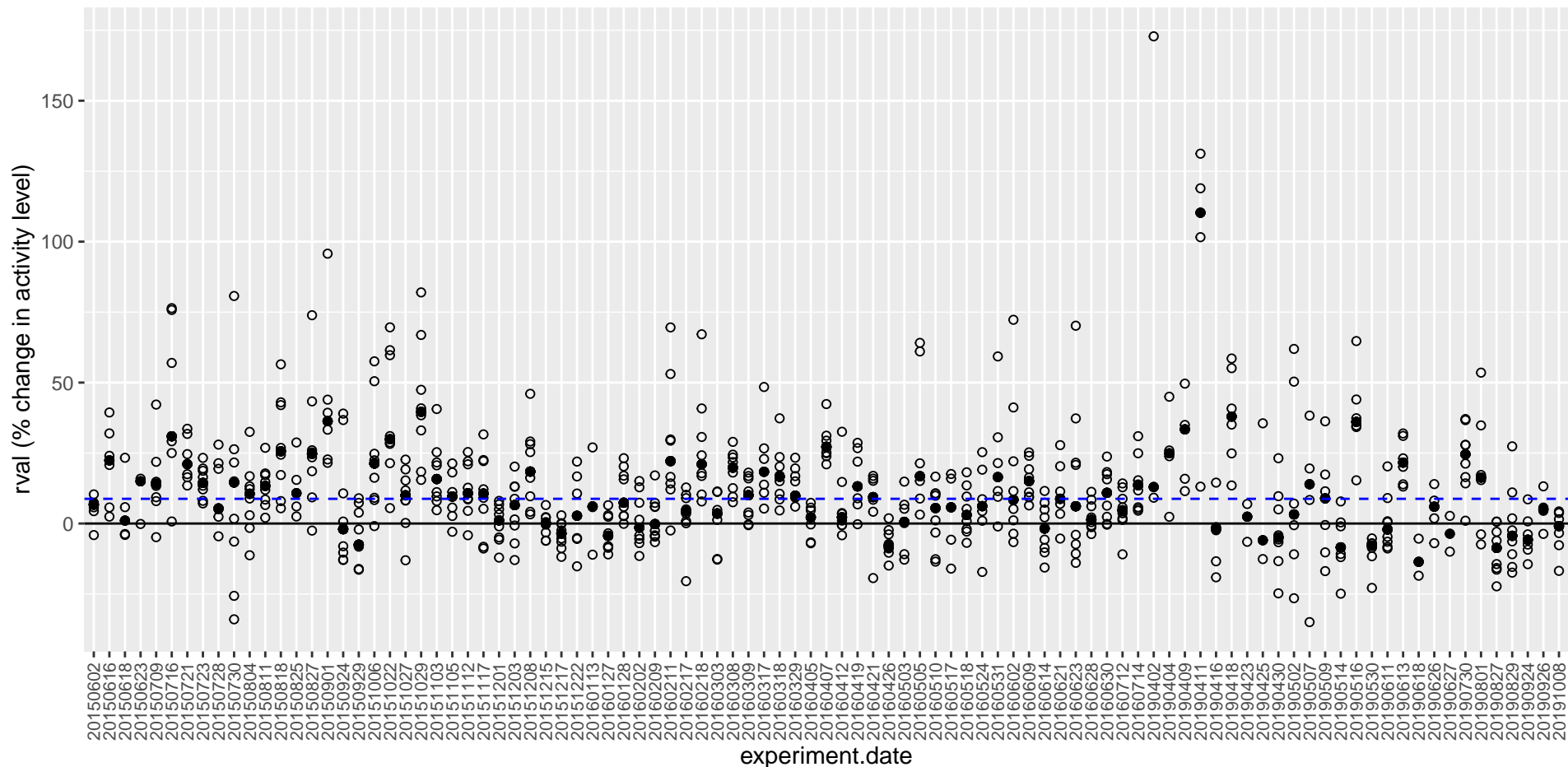
Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates



CCTE\_Shafer\_MEA\_acute\_mean\_interspike\_interval\_within\_burst\_mean  
MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed  
Blue line shows median across all experiment dates

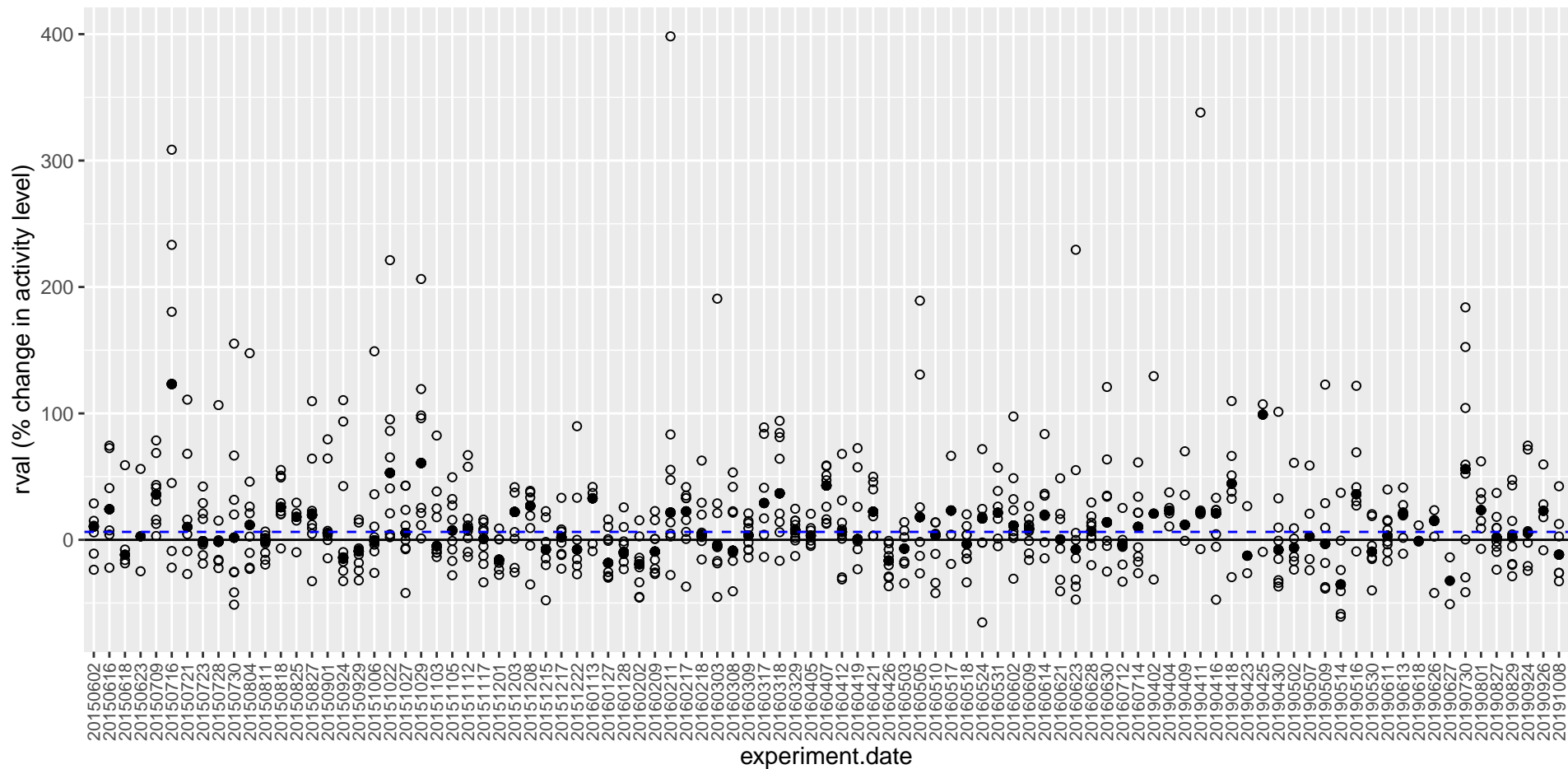




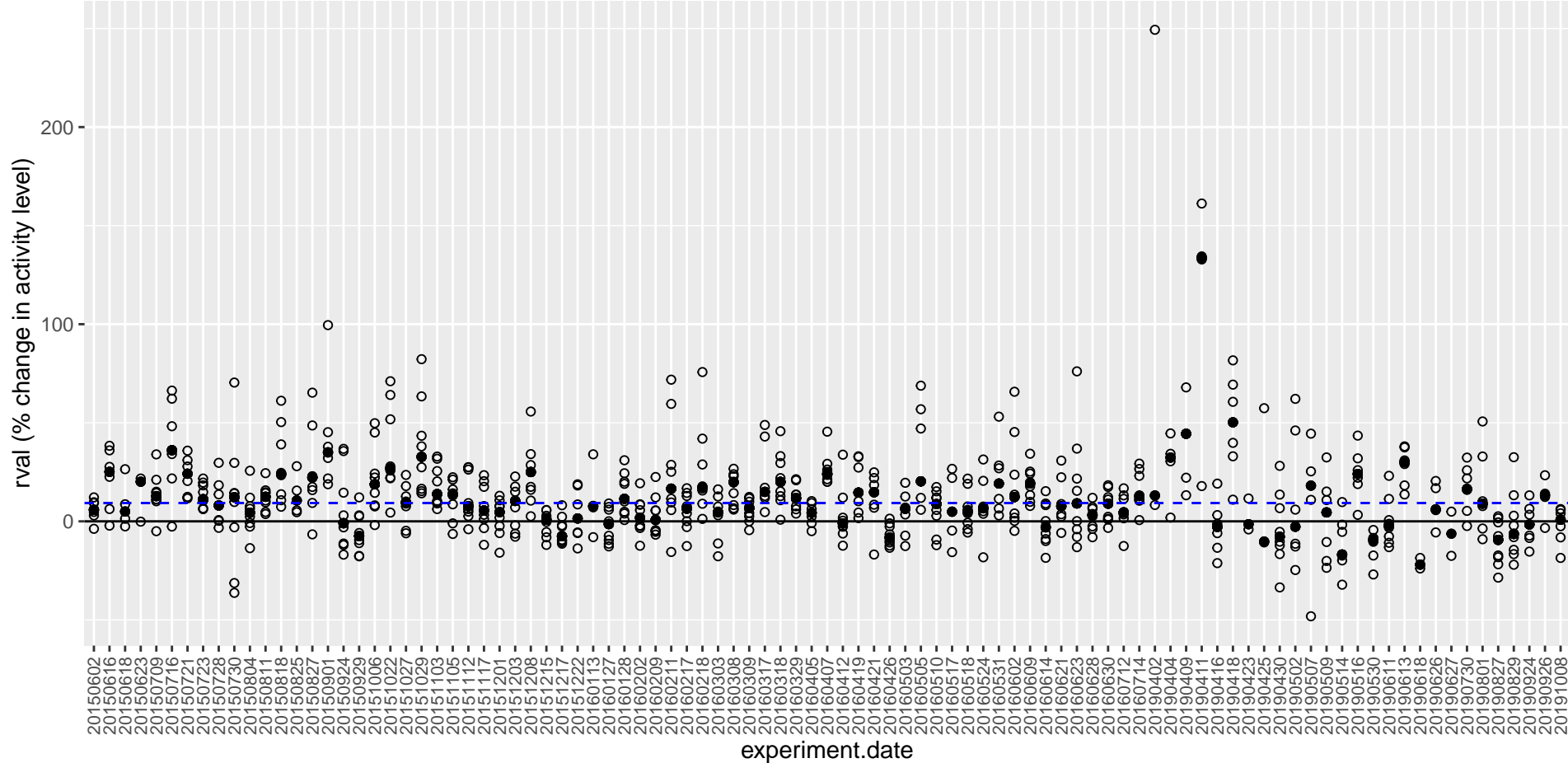
CCTE\_Shafer\_MEA\_acute\_mean\_interspike\_interval\_within\_burst\_std  
MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates



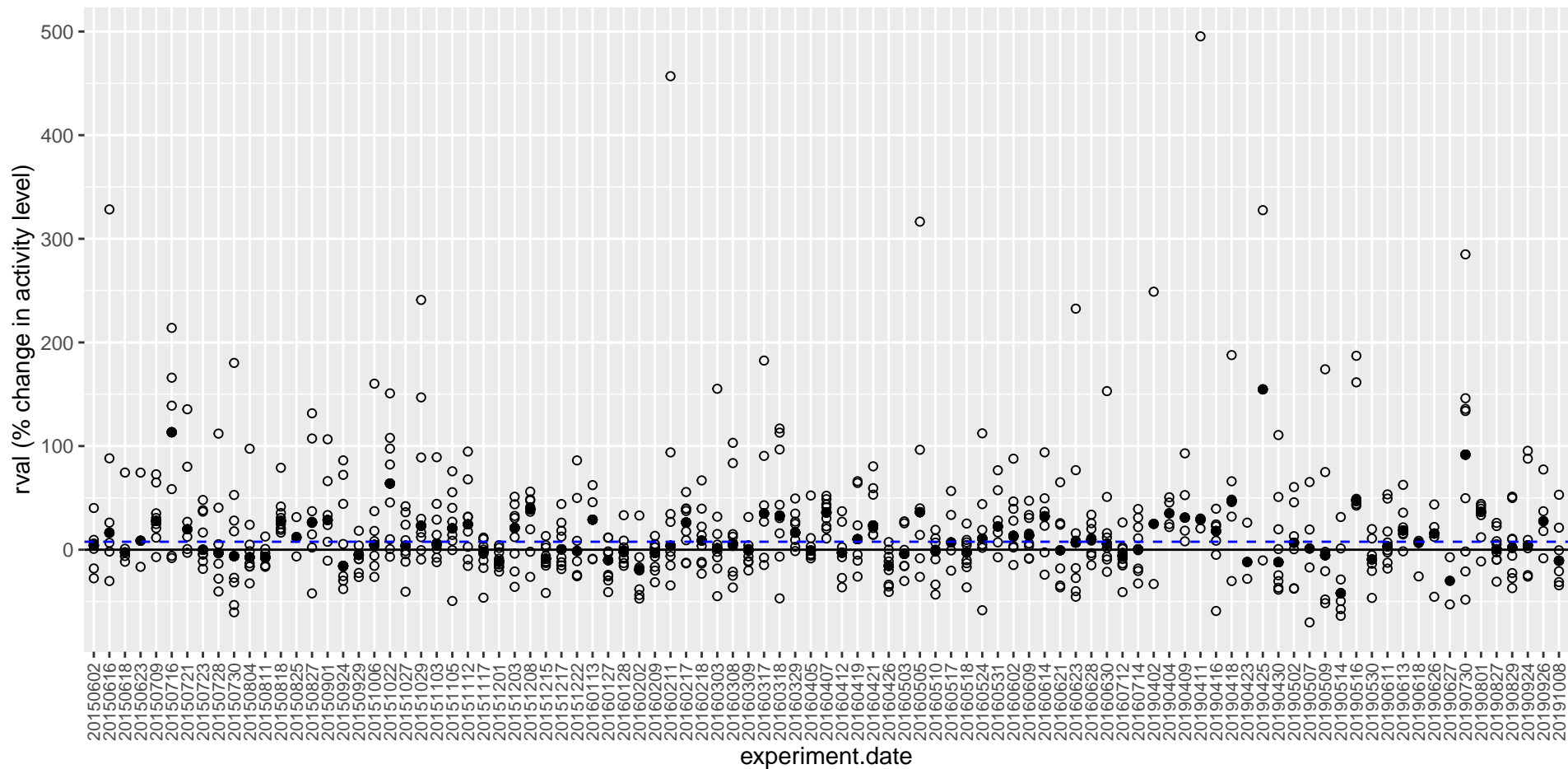
CCTE\_Shafer\_MEA\_acute\_median\_interspike\_interval\_within\_burst\_mean  
MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date  
Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed  
Blue line shows median across all experiment dates



CCTE\_Shafer\_MEA\_acute\_median\_interspike\_interval\_within\_burst\_std  
MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates

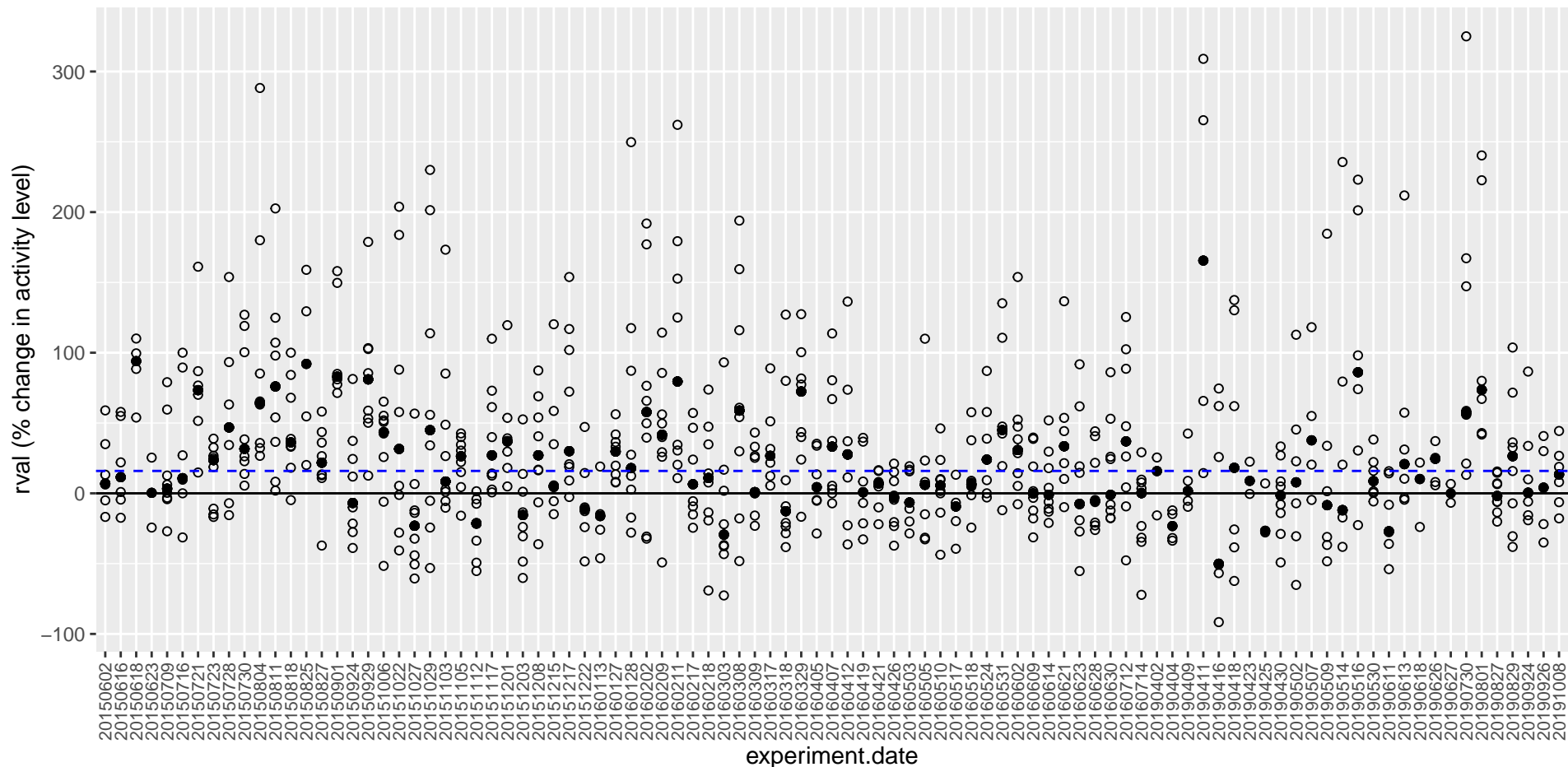


# CCTE\_Shafer\_MEA\_acute\_network\_burst\_duration\_IQR

MEA Acute percent change in activity from baseline to treated recording window for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates

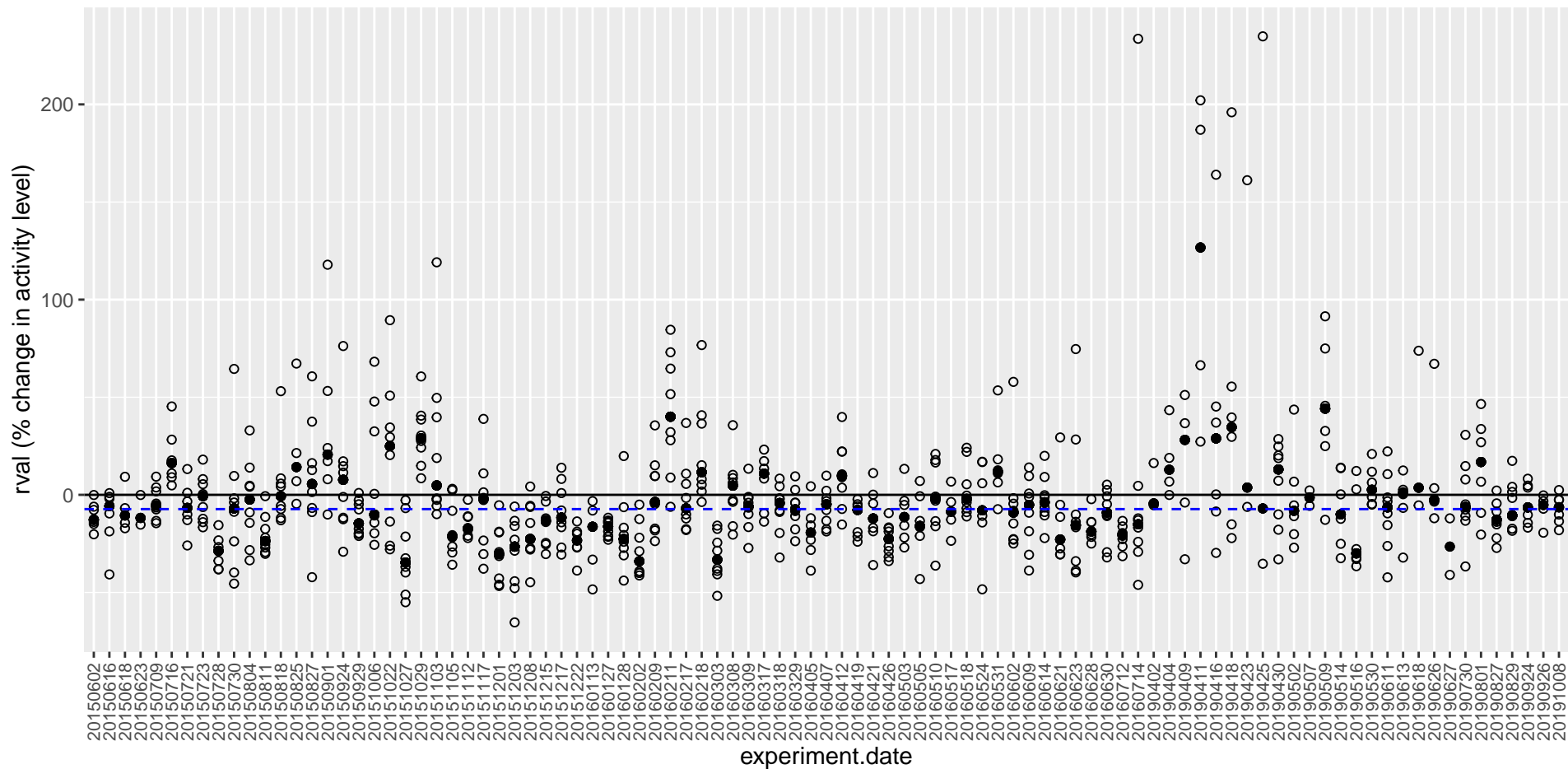


CCTE\_Shafer\_MEA\_acute\_network\_burst\_duration\_mean

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates

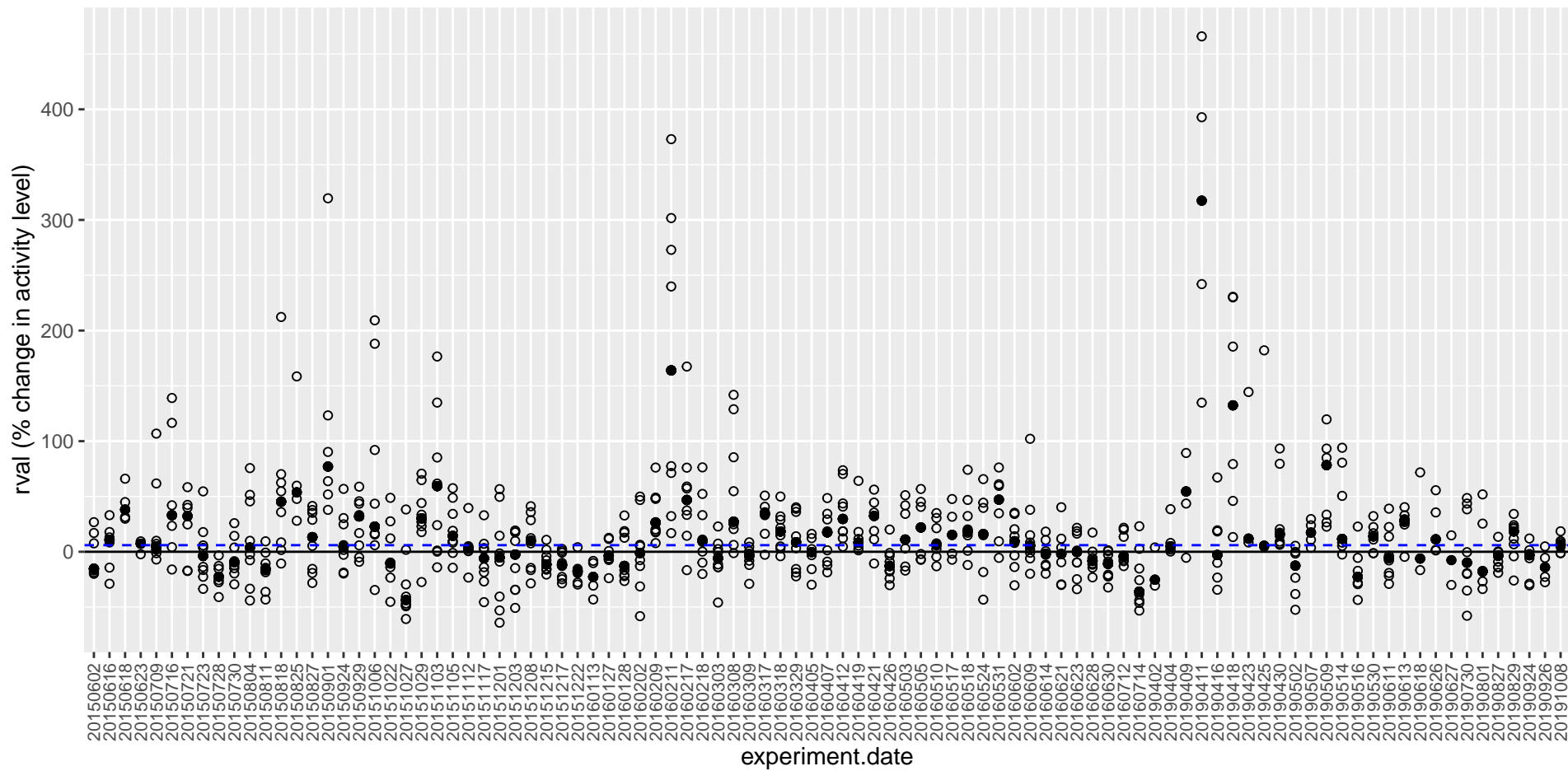


CCTE\_Shafer\_MEA\_acute\_network\_burst\_duration\_std

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates

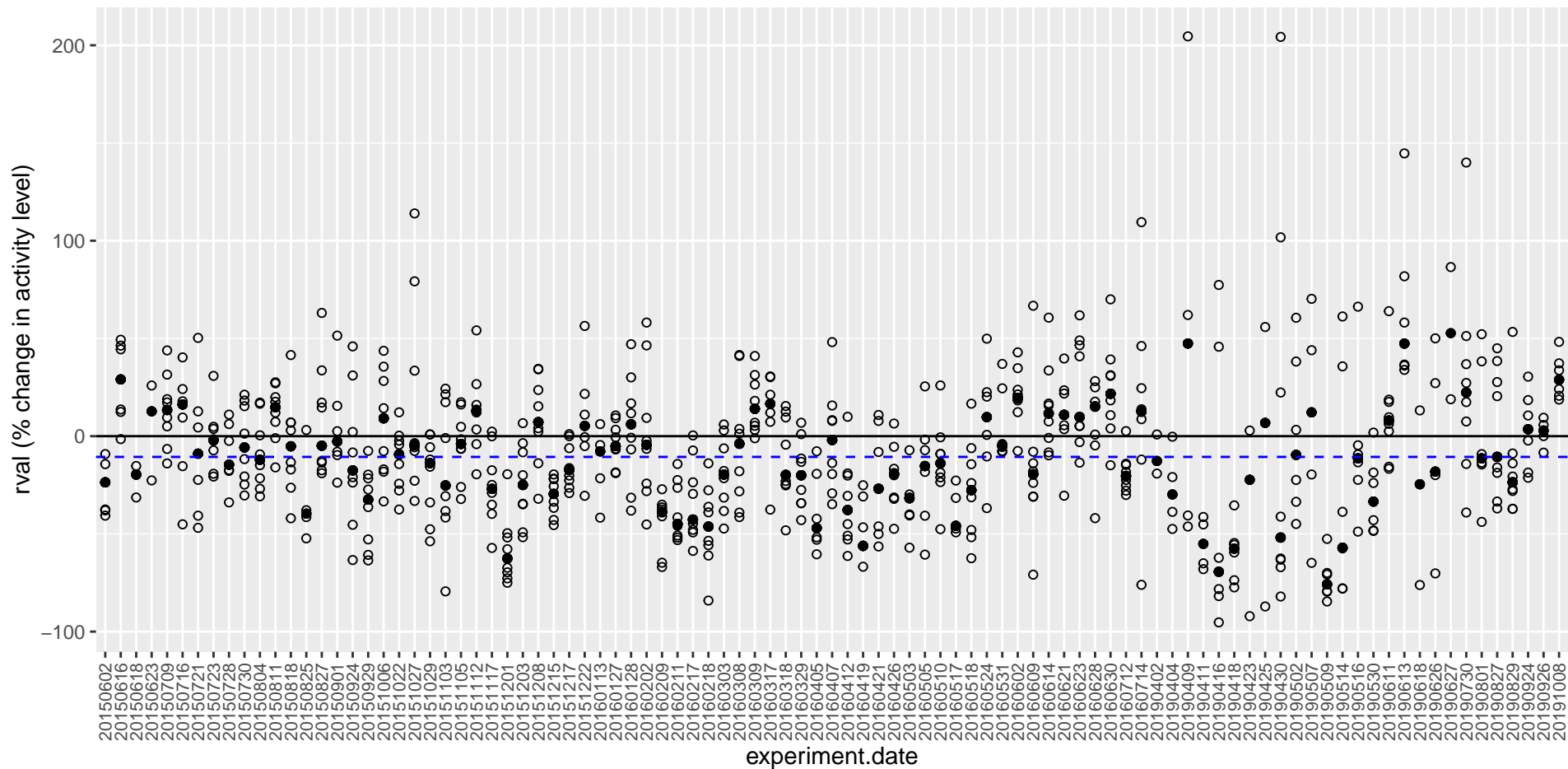


CCTE\_Shafer\_MEA\_acute\_network\_burst\_frequency

MEA Acute percent change in activity from baseline to treated recording window for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates

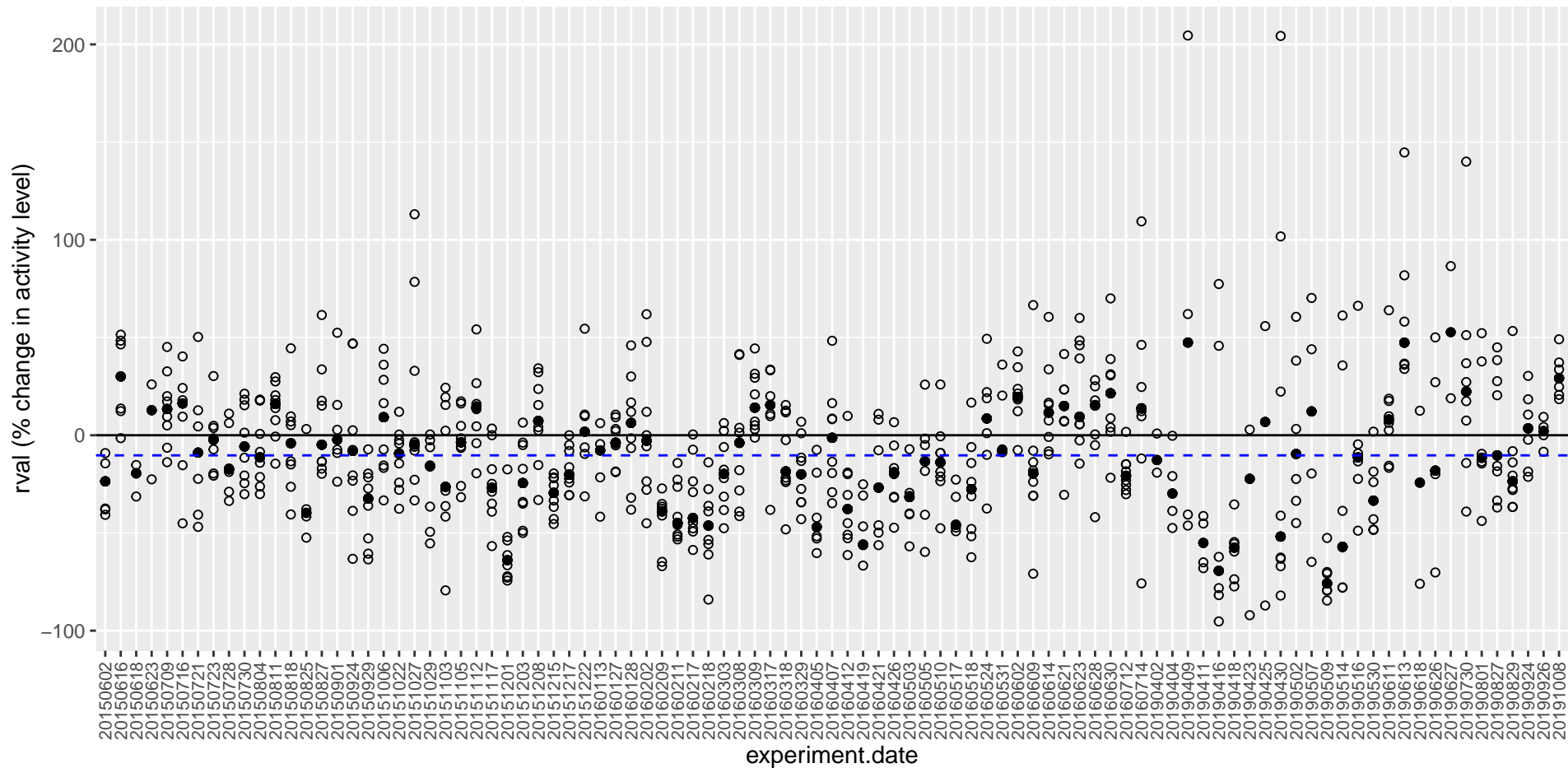


# CCTE\_Shafer\_MEA\_acute\_network\_burst\_number

MEA Acute percent change in activity from baseline to treated recording window for DMSO and Water control wells. All MEA Acute data to date

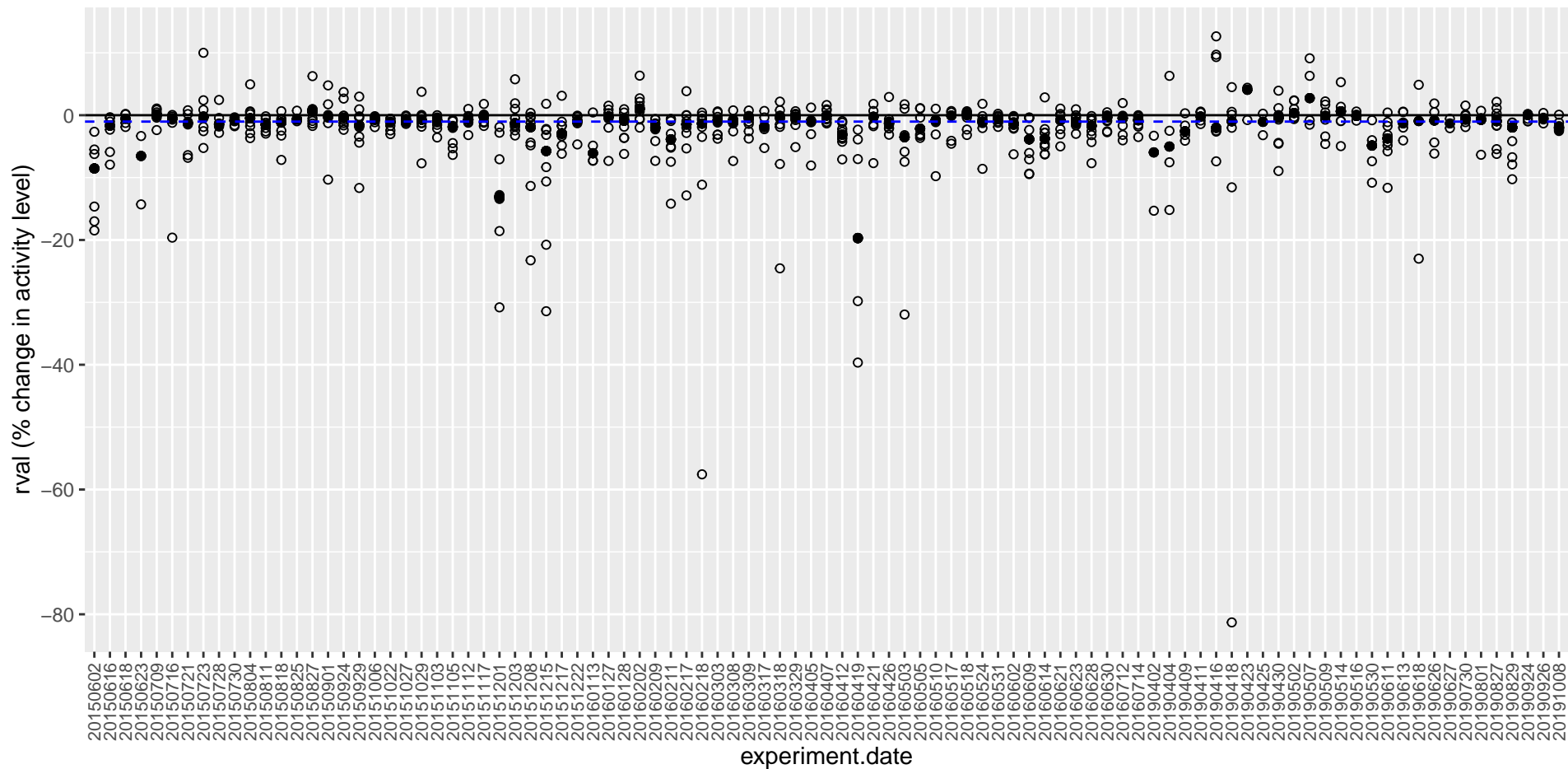
Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates

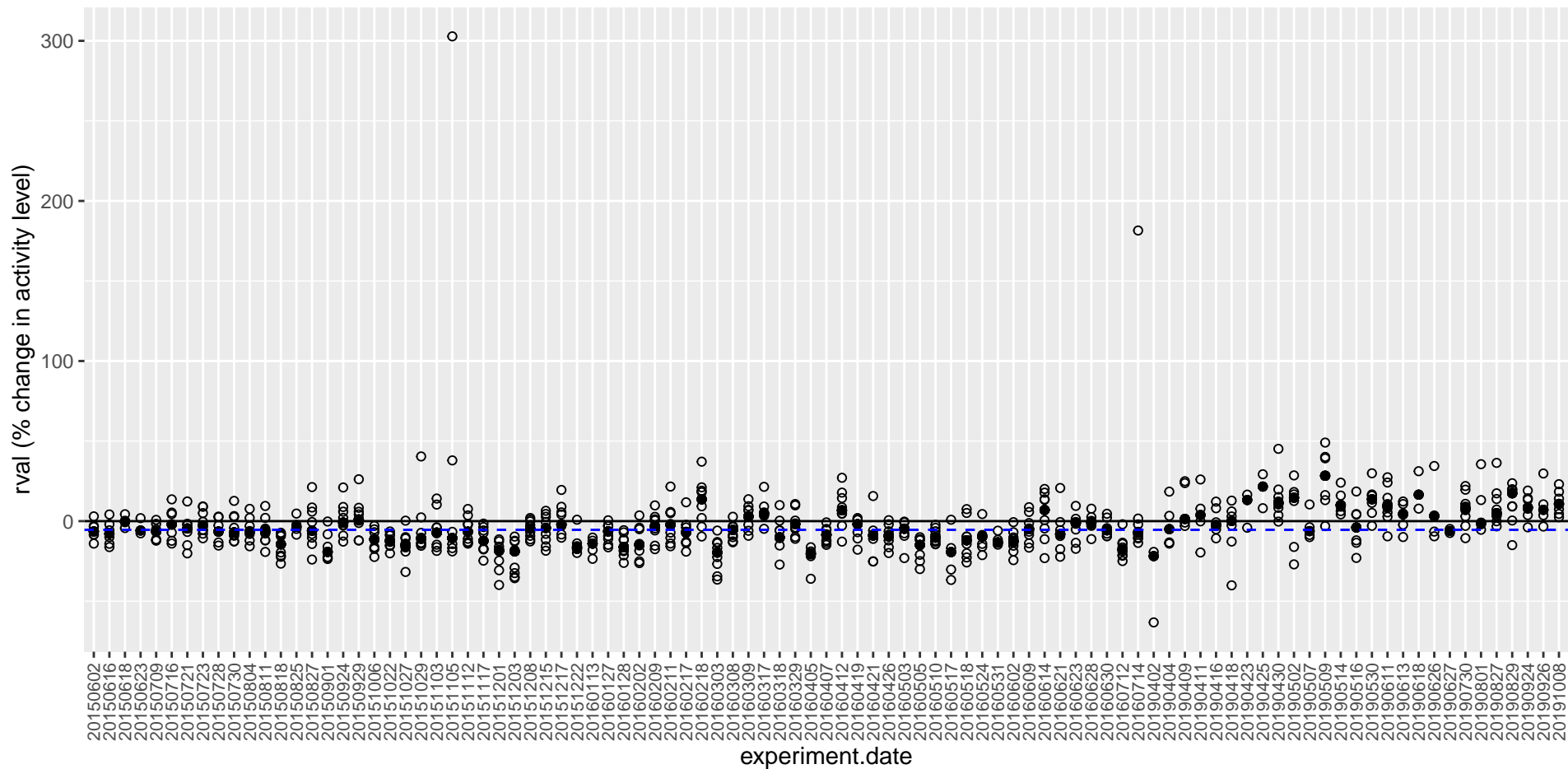




CCTE\_Shafer\_MEA\_acute\_network\_burst\_percentage  
MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date  
Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed  
Blue line shows median across all experiment dates



CCTE\_Shafer\_MEA\_acute\_per\_burst\_spike\_number\_mean  
MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date  
Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed  
Blue line shows median across all experiment dates

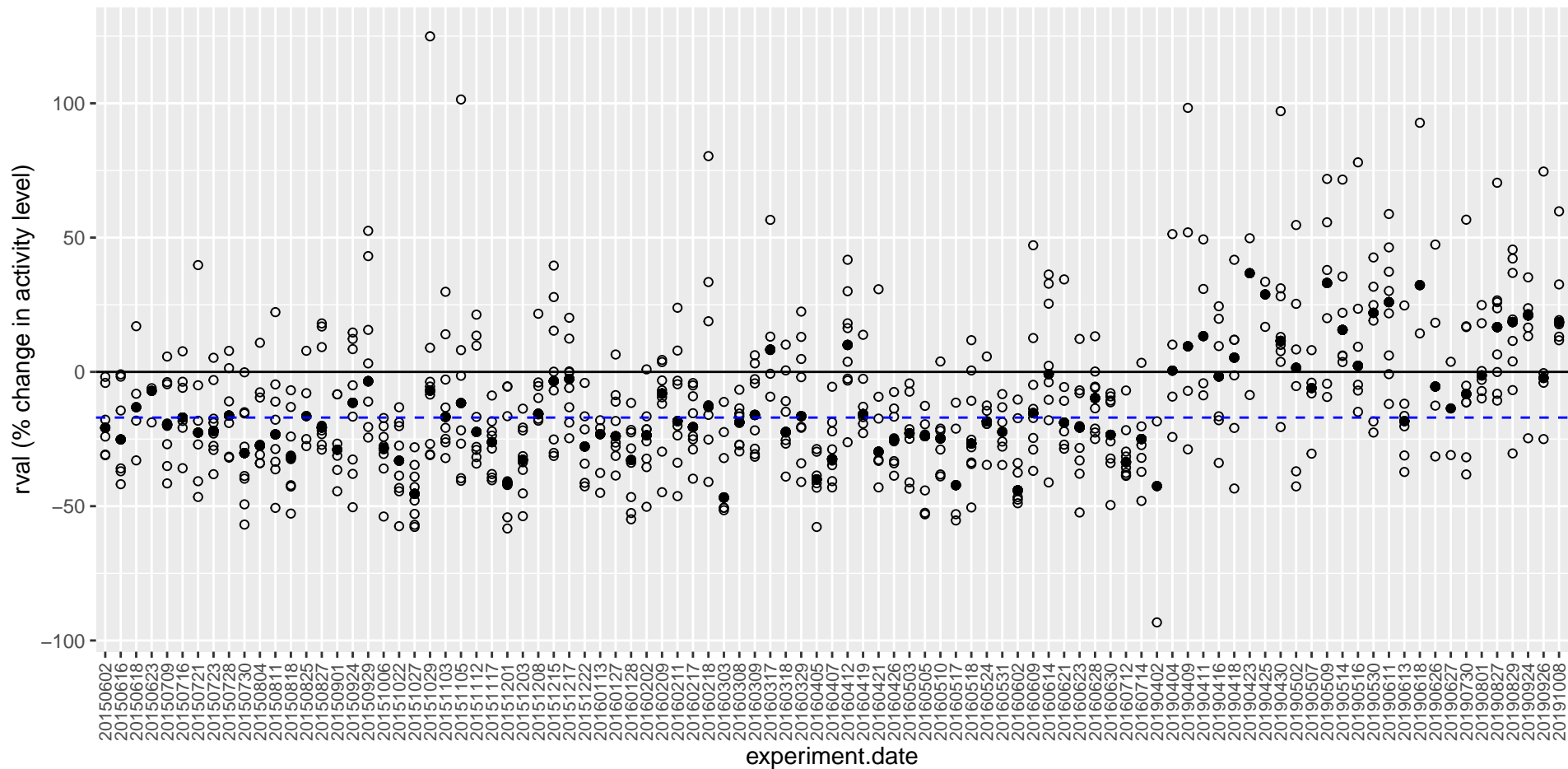


CCTE\_Shafer\_MEA\_acute\_per\_burst\_spike\_number\_std

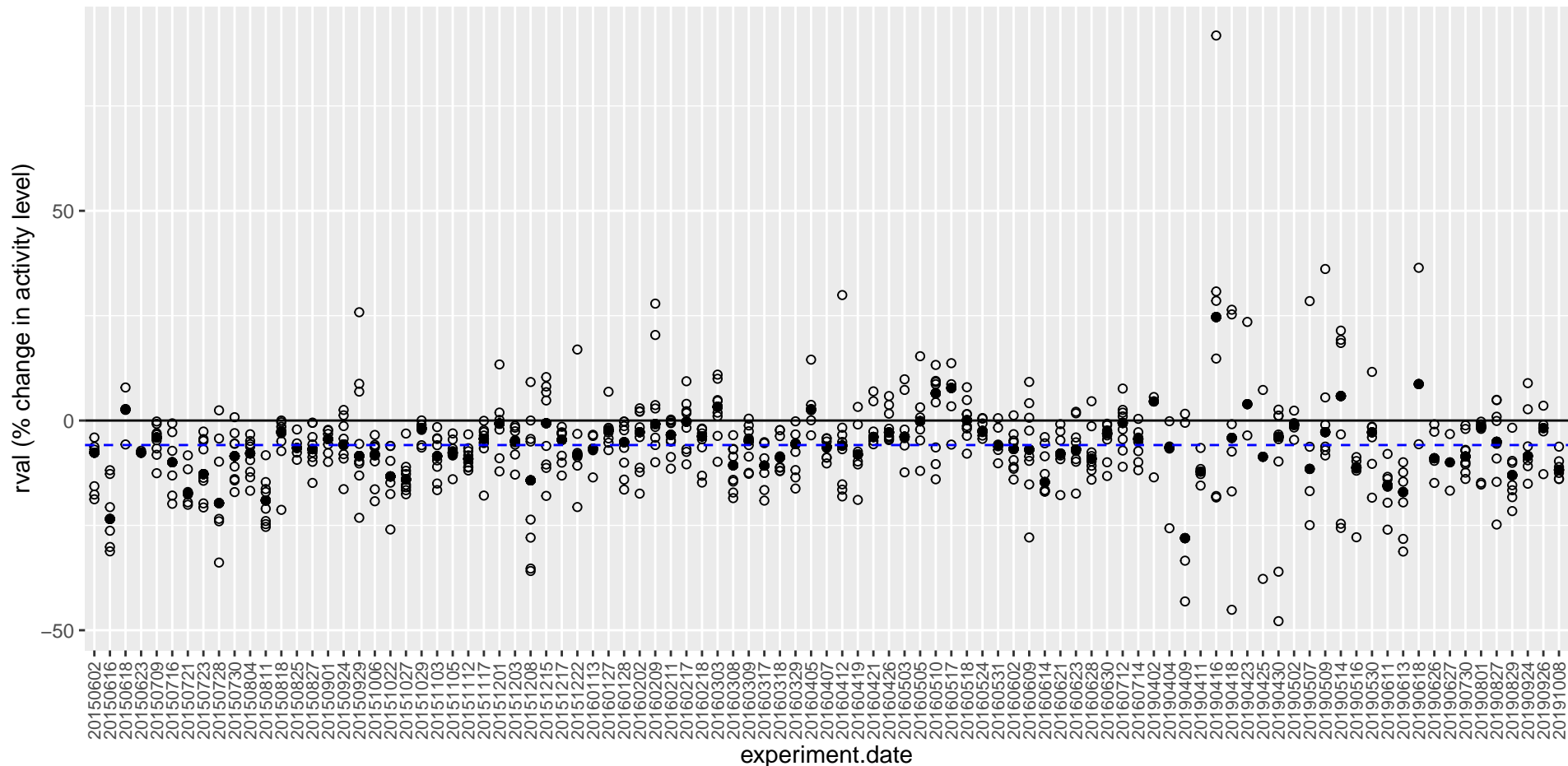
MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 2 outliers above 500% excluded removed

Blue line shows median across all experiment dates



CCTE\_Shafer\_MEA\_acute\_per\_network\_burst\_electrodes\_number\_mean  
MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date  
Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed  
Blue line shows median across all experiment dates

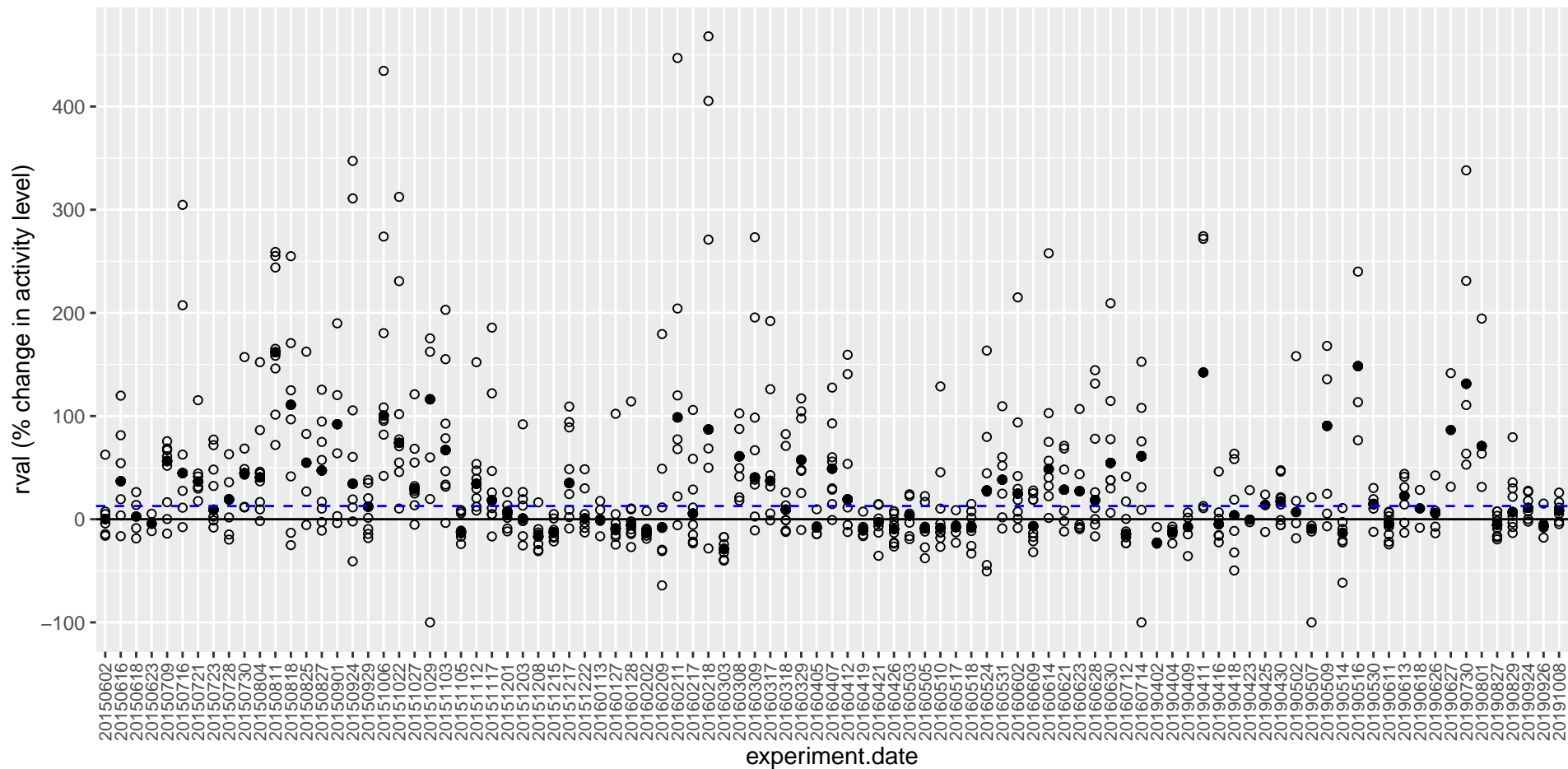


CCTE\_Shafer\_MEA\_acute\_per\_network\_burst\_electrodes\_number\_std

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 15 outliers above 500% excluded removed

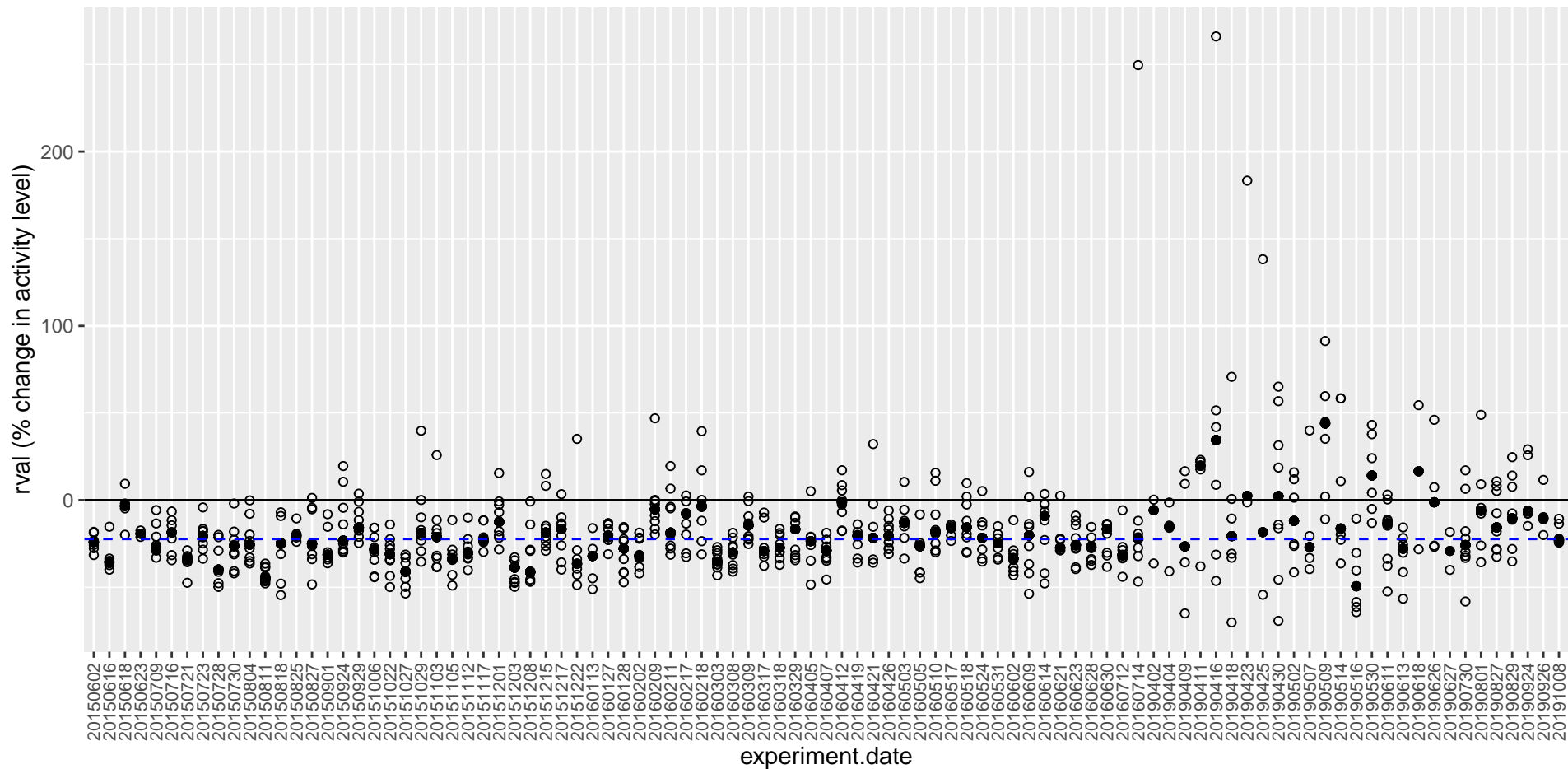
Blue line shows median across all experiment dates



CCTE\_Shafer\_MEA\_acute\_per\_network\_burst\_mean\_spikes\_per\_electrode\_mean  
MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

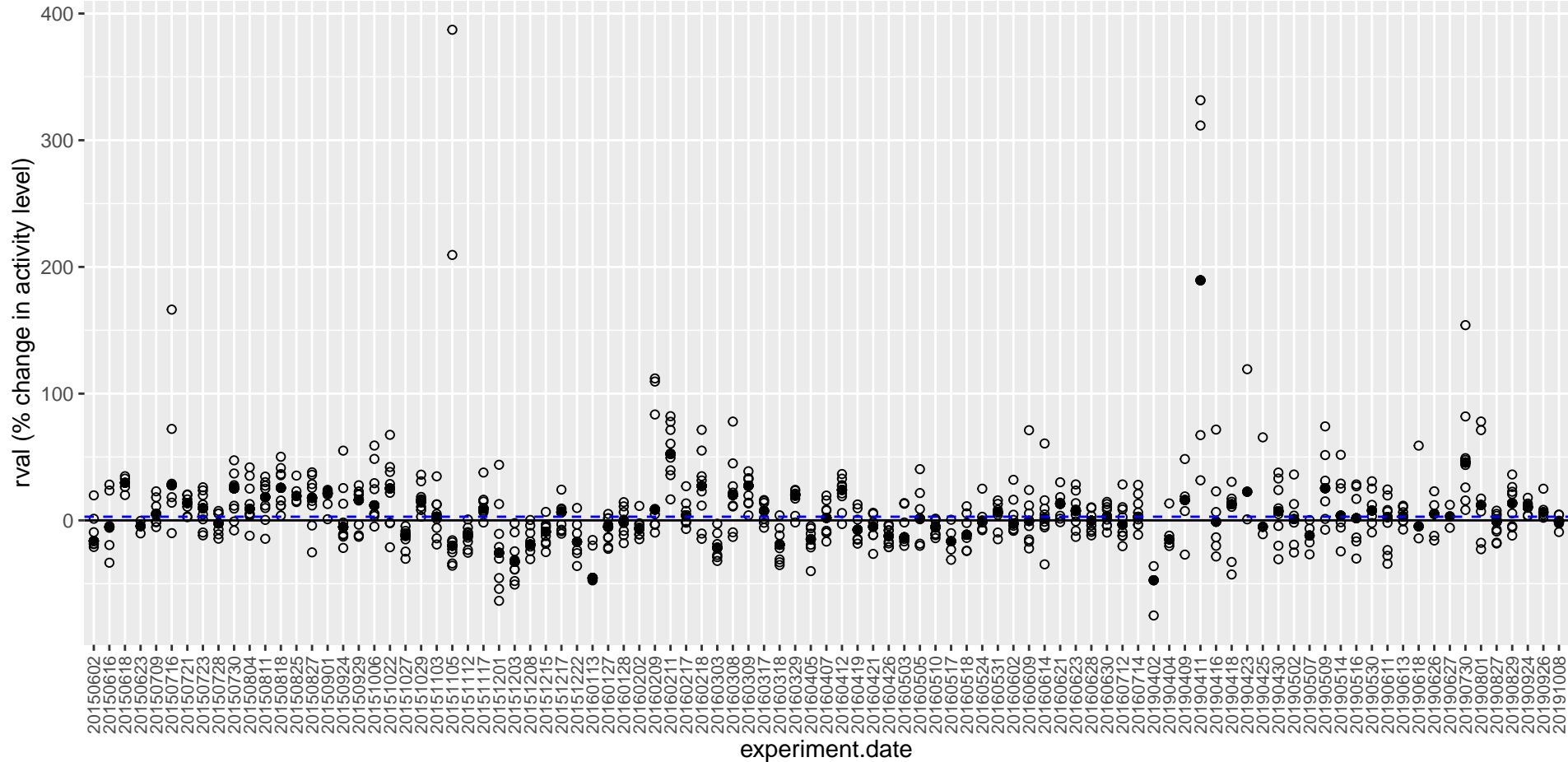
Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates

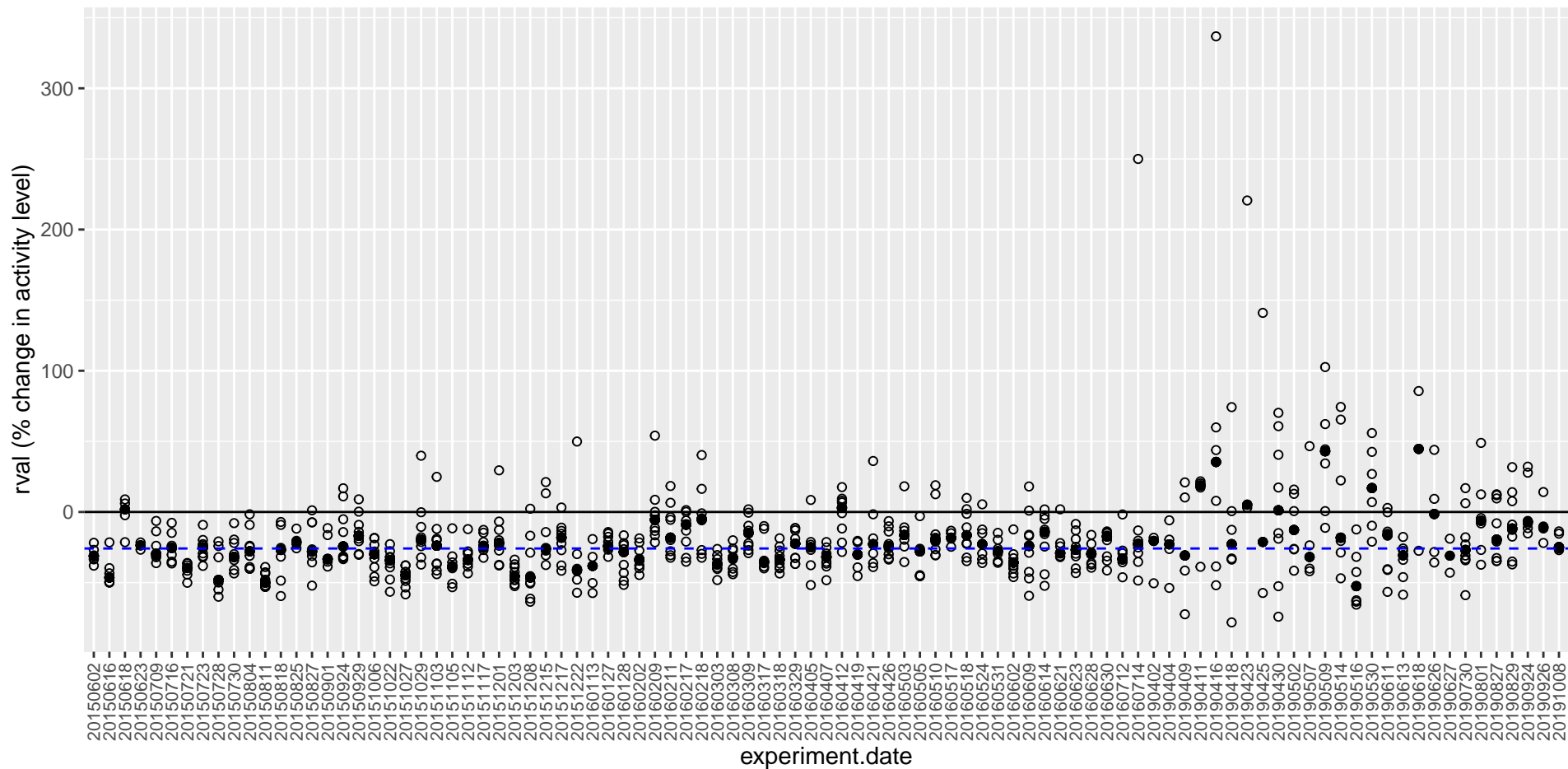


CCTE\_Shafer\_MEA\_acute\_per\_network\_burst\_mean\_spikes\_per\_electrode\_std  
MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed  
Blue line shows median across all experiment dates



CCTE\_Shafer\_MEA\_acute\_per\_network\_burst\_spike\_number\_mean  
 MEA Acute percent change in activity from baseline to treated recording window  
 for DMSO and Water control wells. All MEA Acute data to date  
 Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed  
 Blue line shows median across all experiment dates



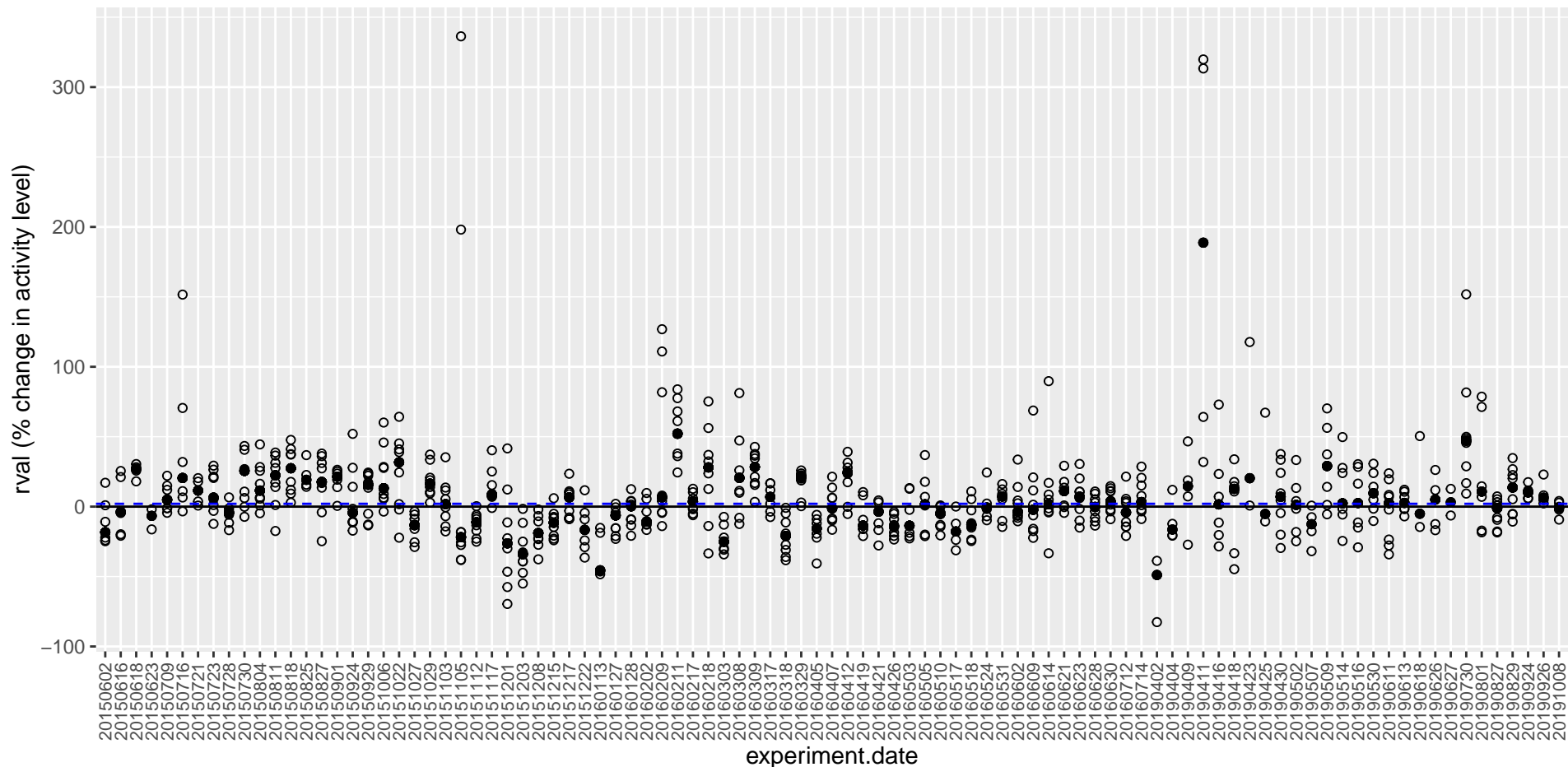


CCTE\_Shafer\_MEA\_acute\_per\_network\_burst\_spike\_number\_std

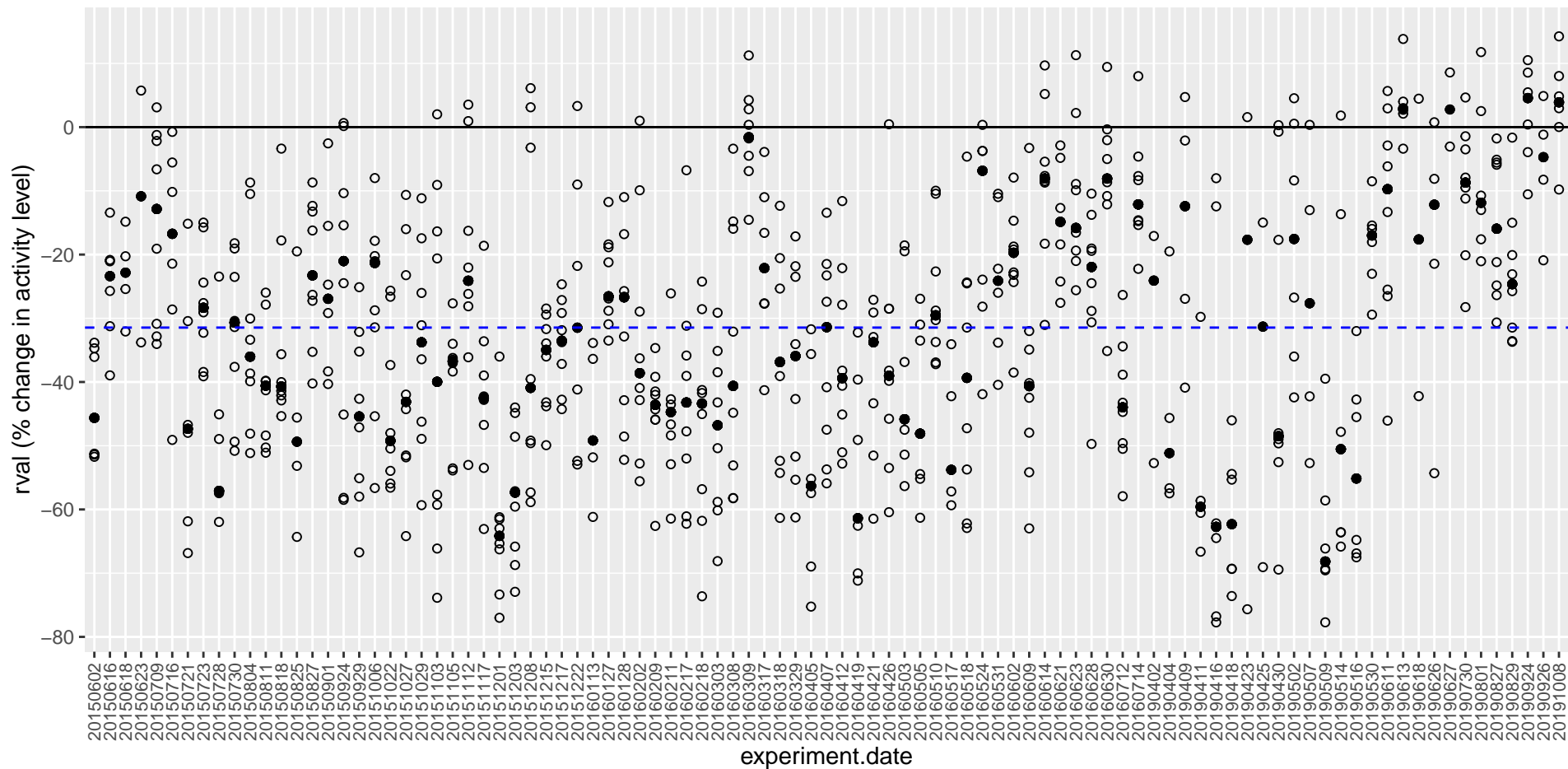
MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates



CCTE\_Shafer\_MEA\_acute\_spike\_number  
MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date  
Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed  
Blue line shows median across all experiment dates

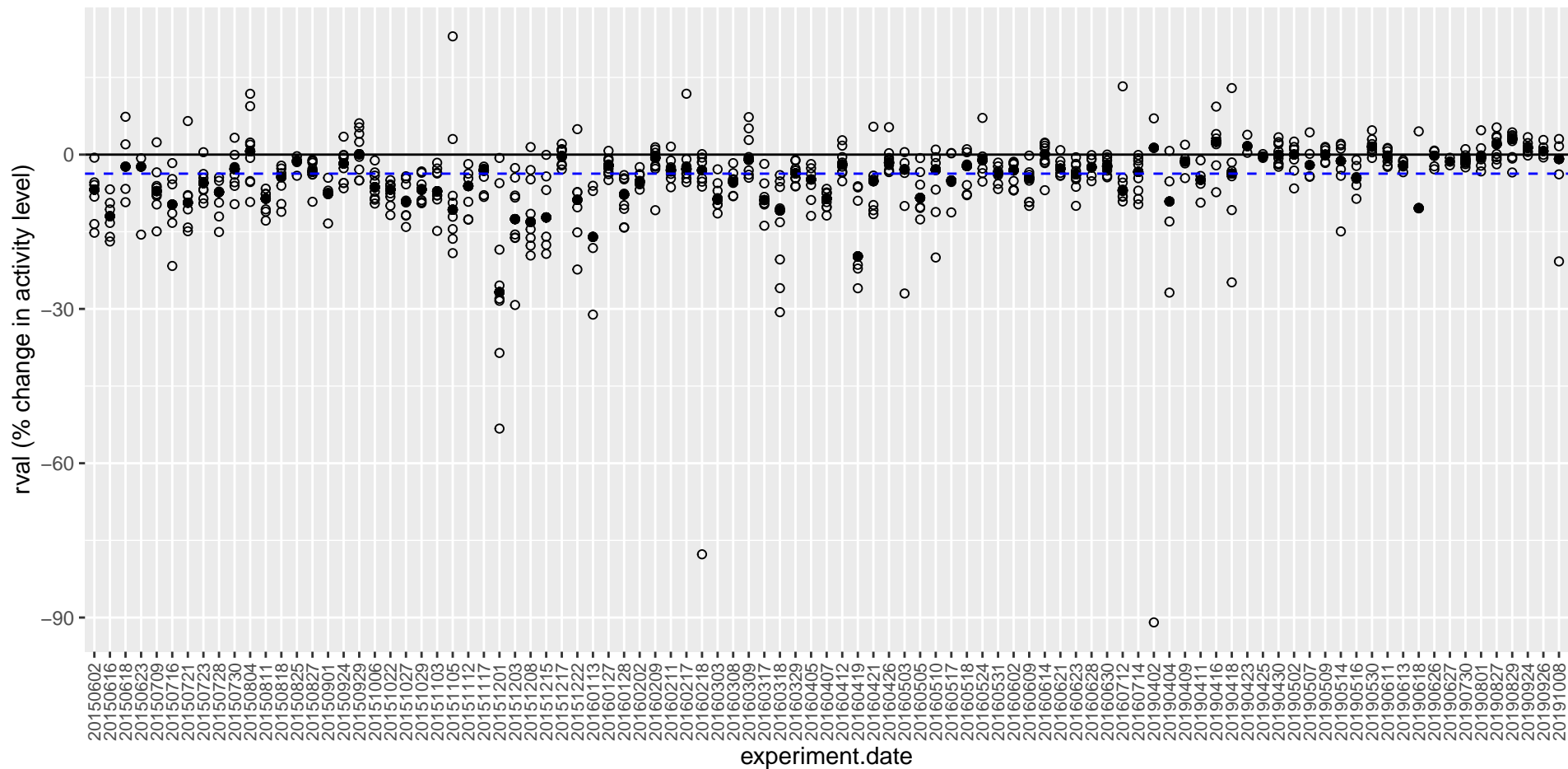


CCTE\_Shafer\_MEA\_acute\_synchrony\_index

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates

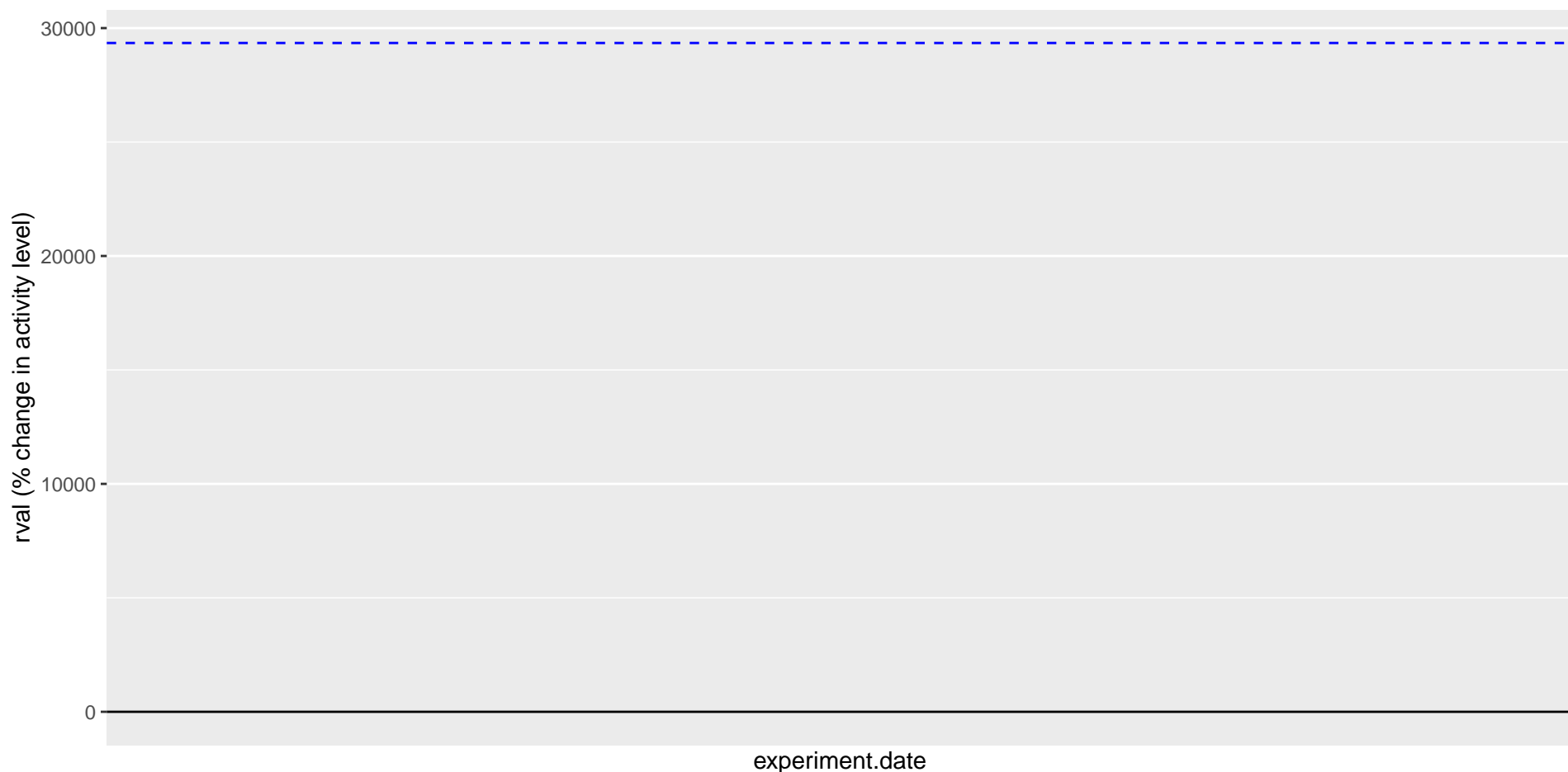


CCTE\_Shafer\_MEA\_acute\_AB

MEA Acute percent change in activity from baseline to treated recording window  
for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 746 outliers above 500% excluded removed

Blue line shows median across all experiment dates



# CCTE\_Shafer\_MEA\_acute\_LDH

MEA Acute percent change in activity from baseline to treated recording window for DMSO and Water control wells. All MEA Acute data to date

Solid points = median of controls by experiment date. 0 outliers above 500% excluded removed

Blue line shows median across all experiment dates

