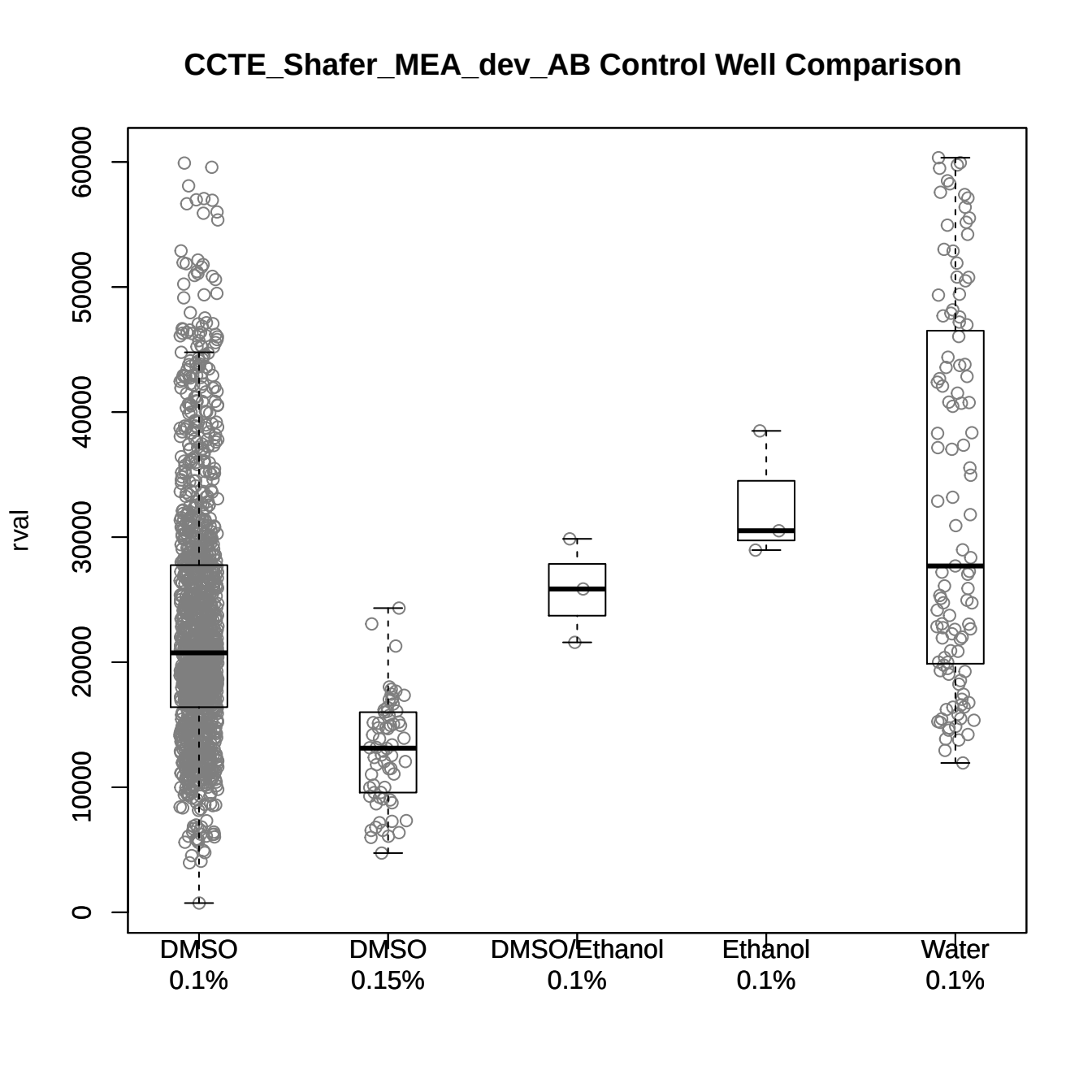
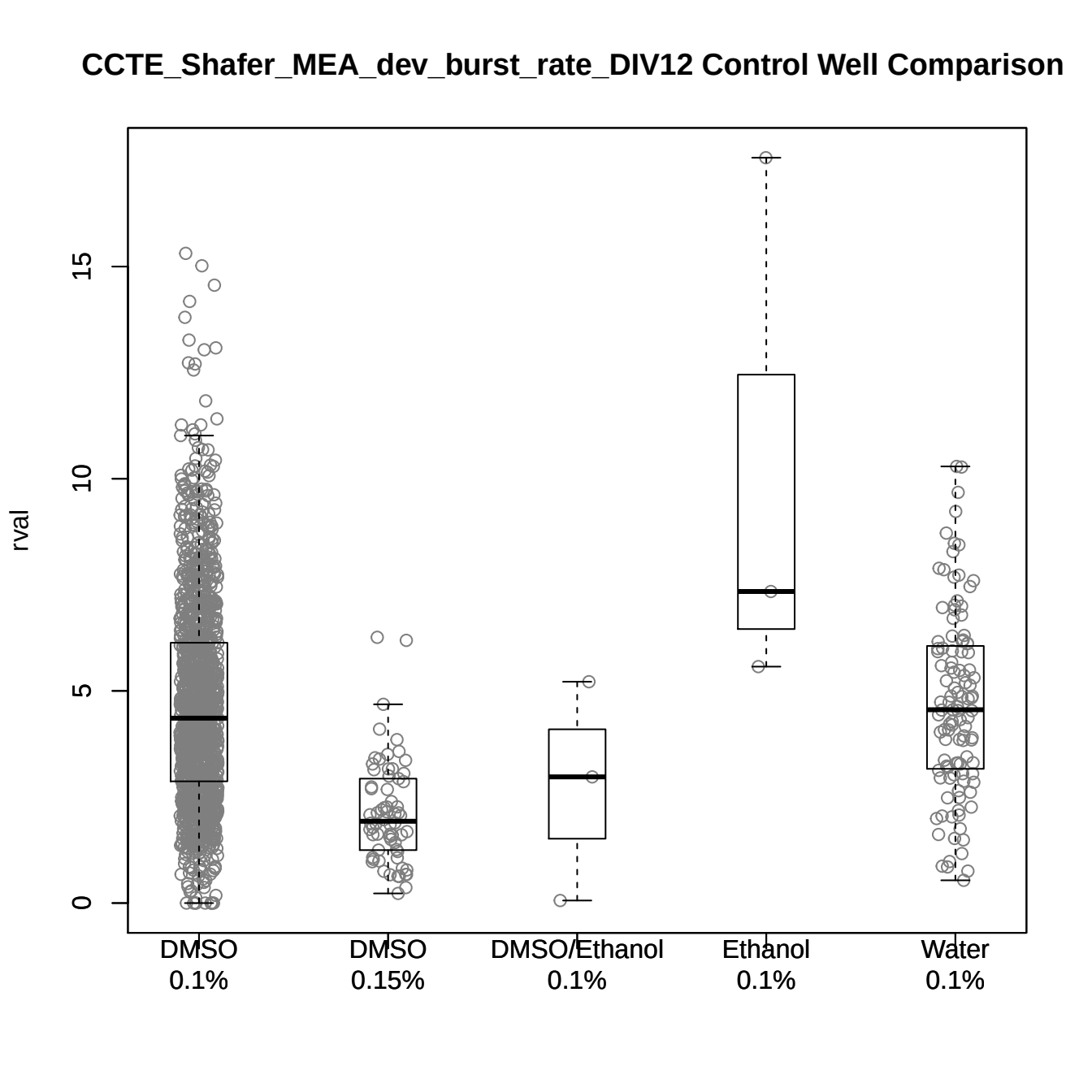
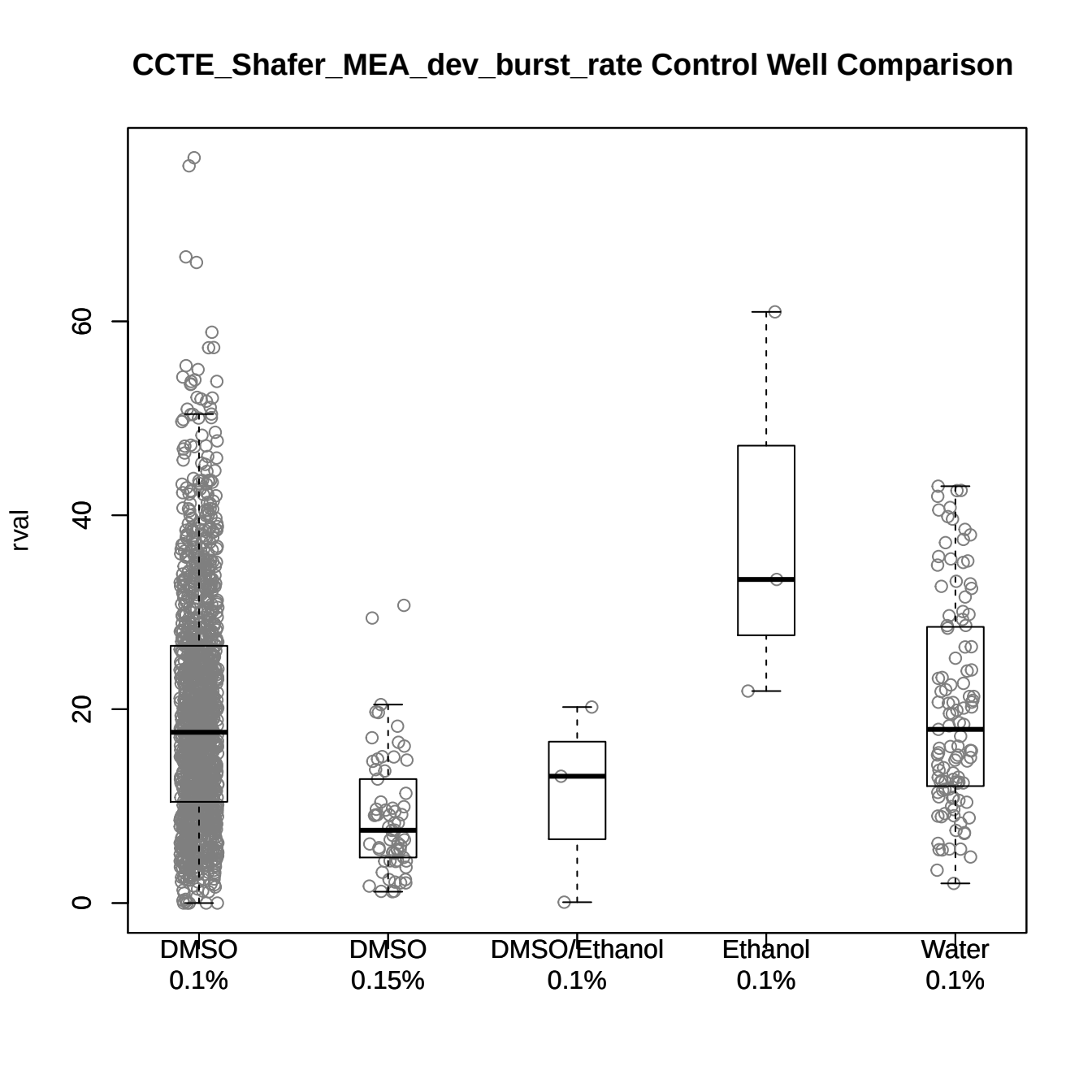
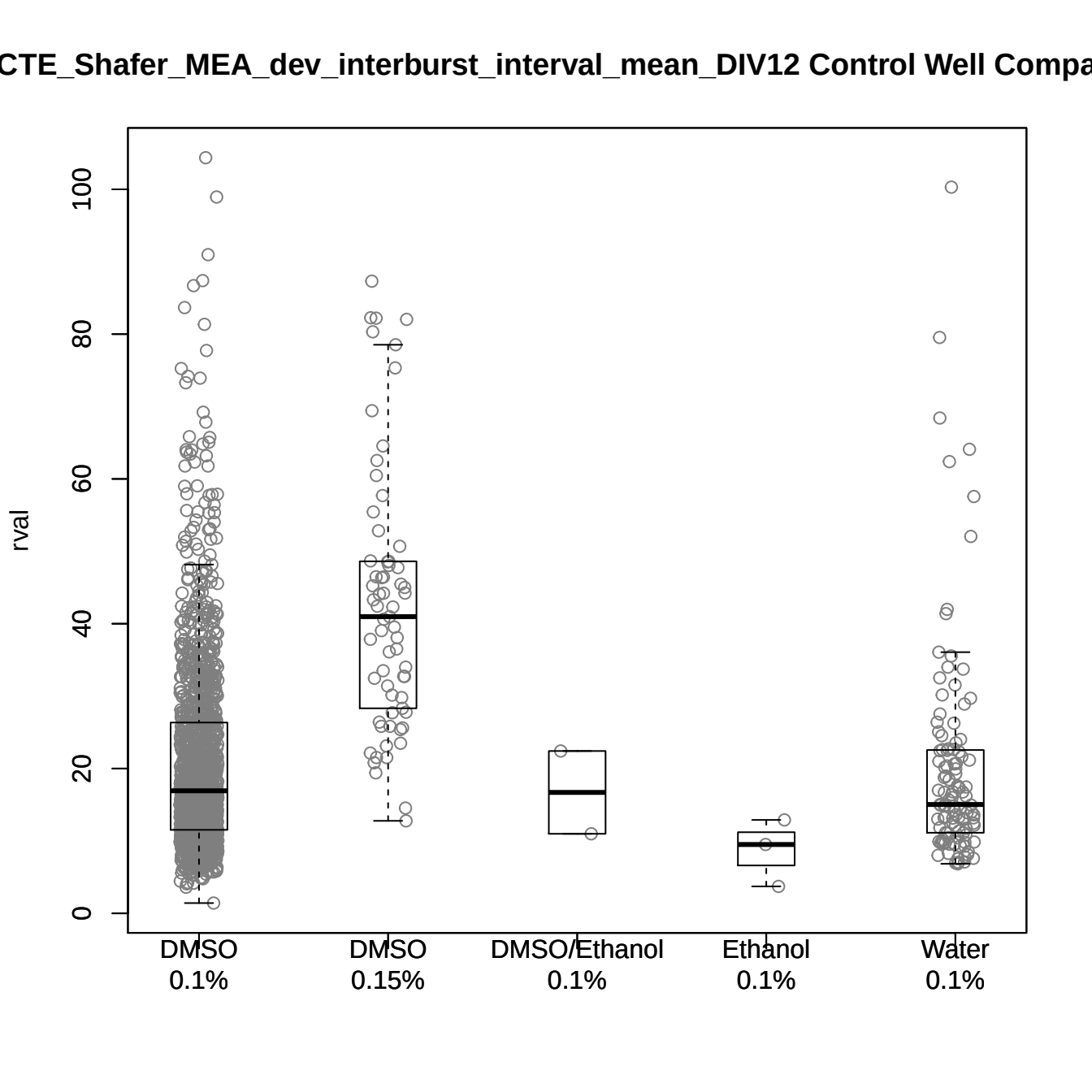
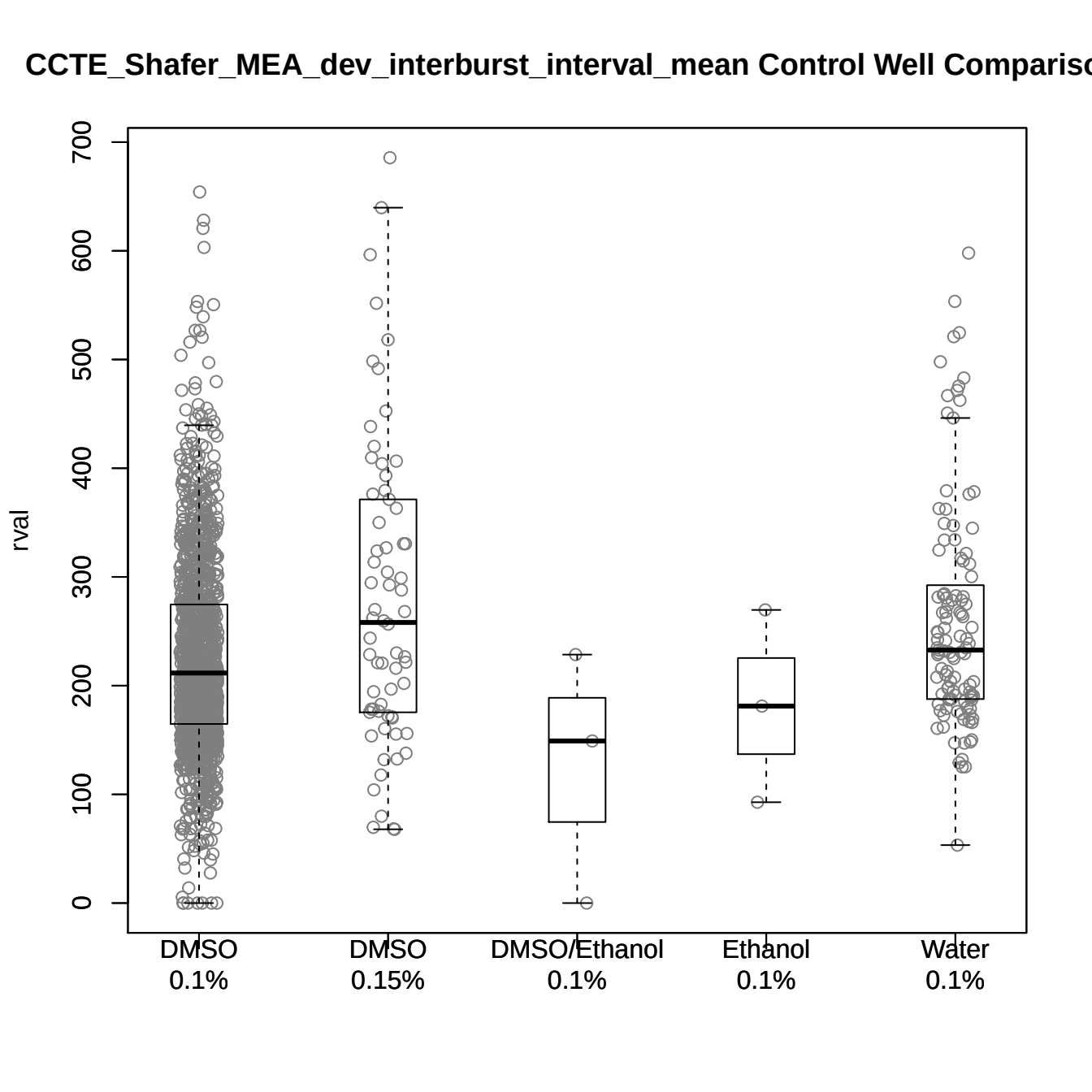
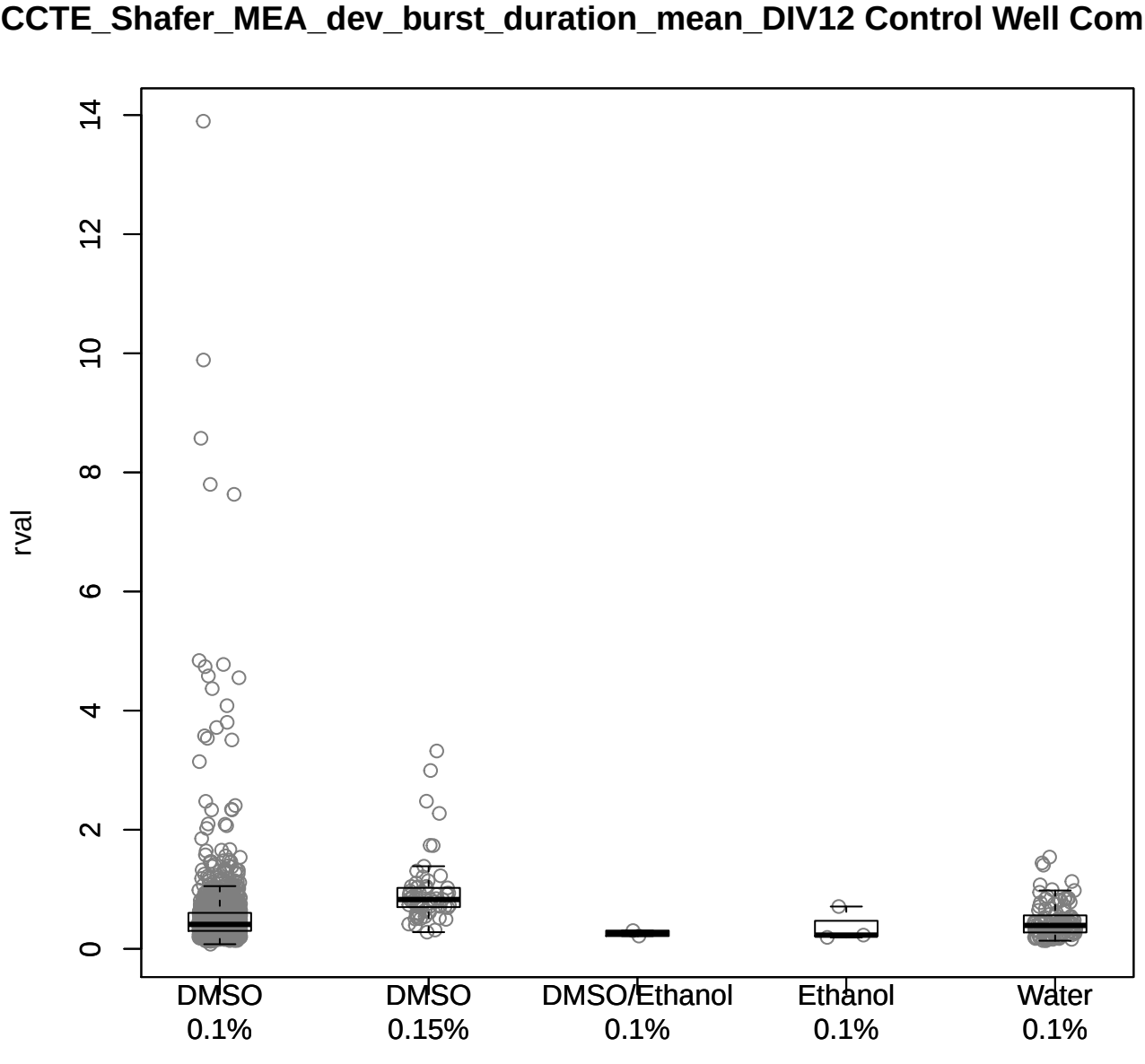

CCTE_Shafer_MEA_dev_AB Control Well Comparison
rval
0
10000
20000
30000
40000
50000
60000
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

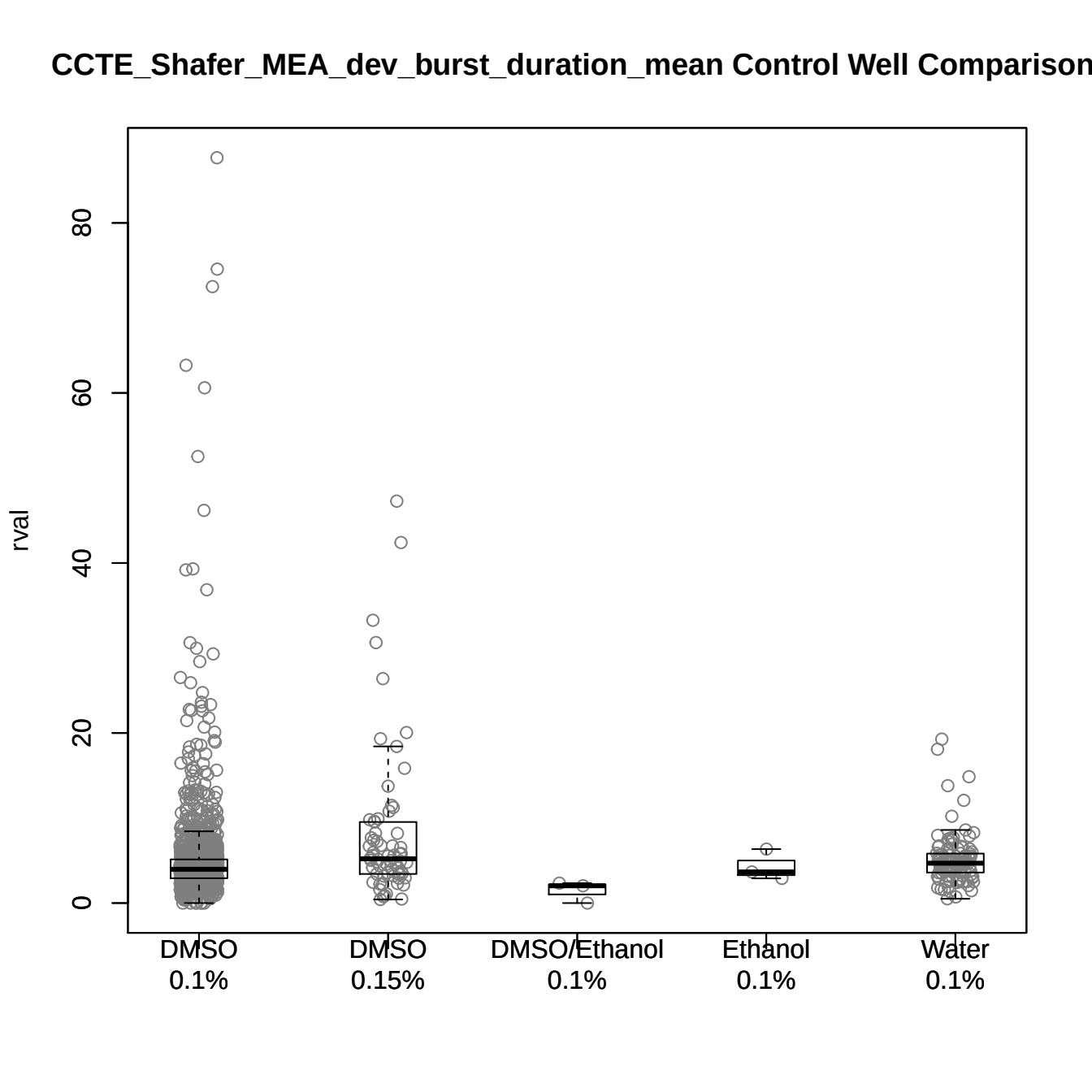

CCTE_Shafer_MEA_dev_burst_rate_DIV12 Control Well Comparison
rval
0
5
10
15
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

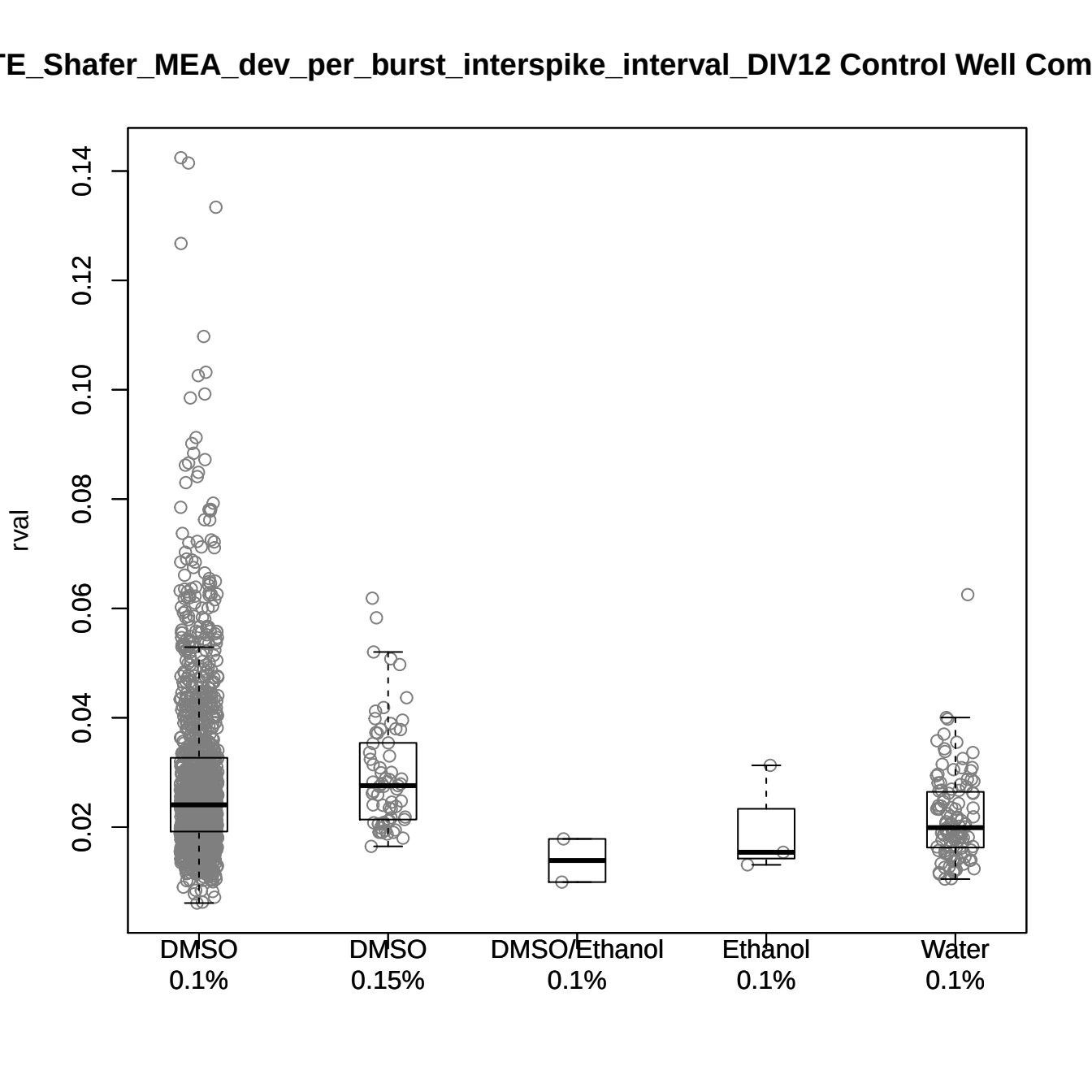

CCTE_Shafer_MEA_dev_burst_rate Control Well Comparison
rval
0
20
40
60
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

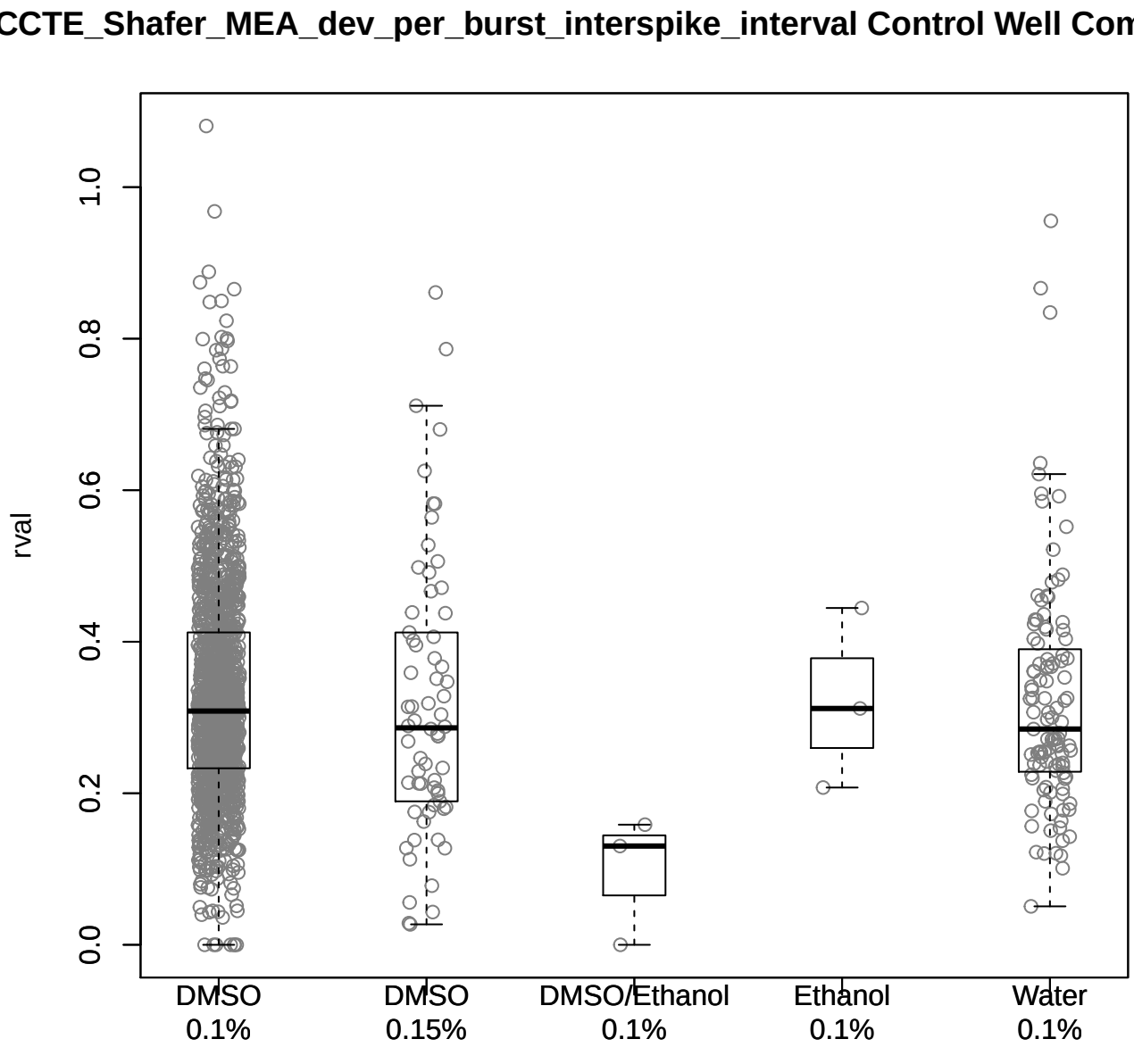

CTE_Shafer_MEA_dev_interburst_interval_mean_DIV12 Control Well Compa
rval
0
20
40
60
80
100
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

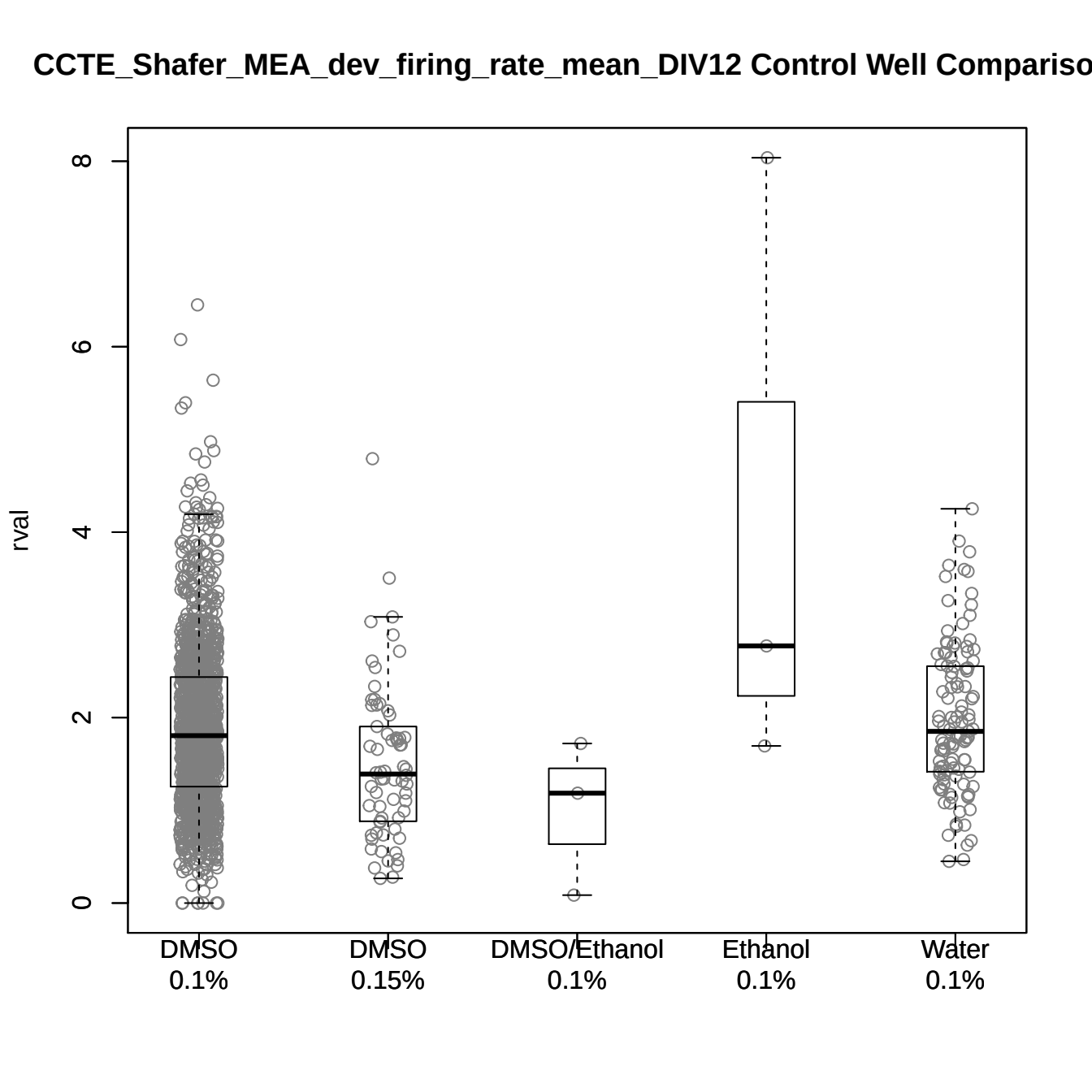

CCTE_Shafer_MEA_dev_interburst_interval_mean Control Well Comparisc
rval
0
100
200
300
400
500
600
700
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

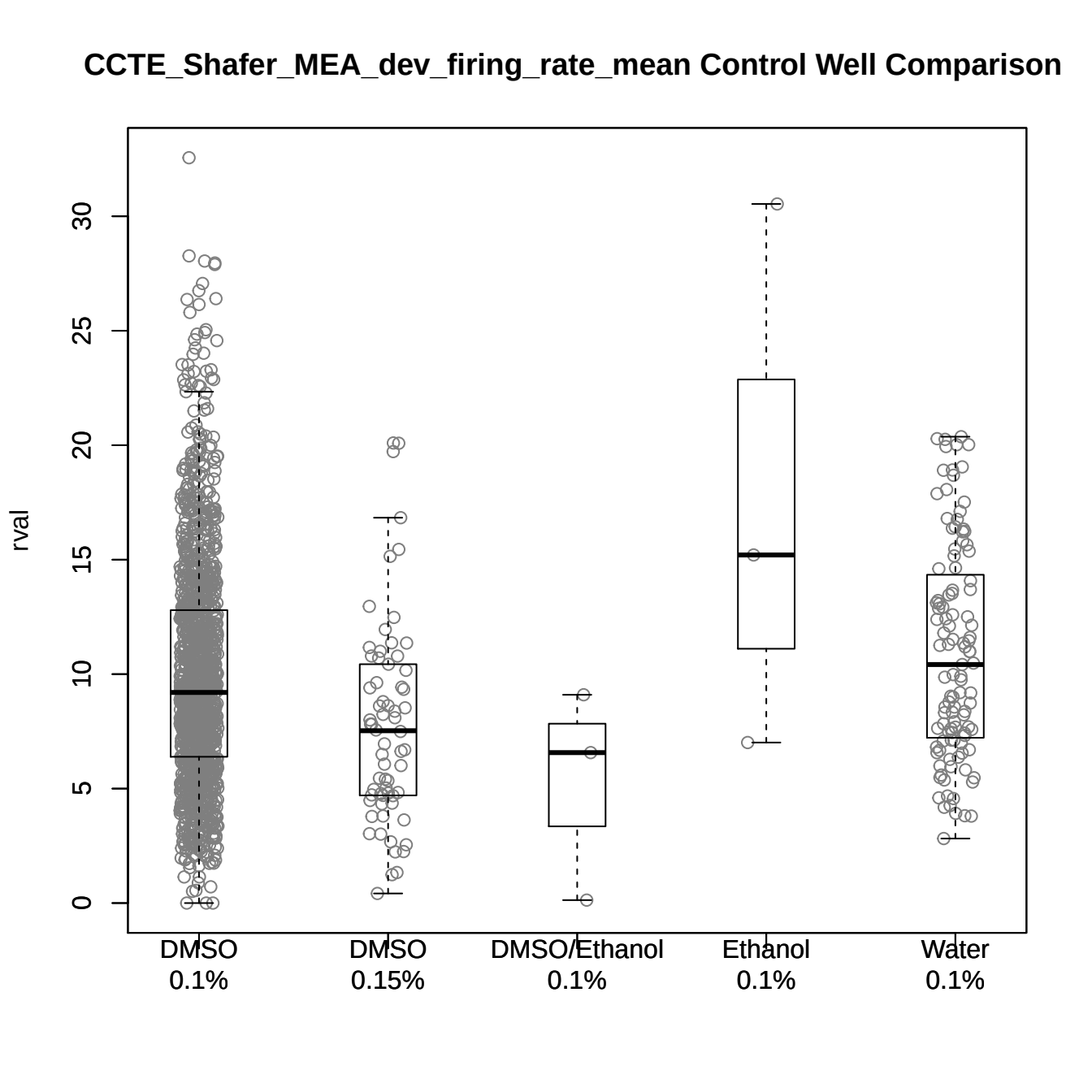

CCTE_Shafer_MEA_dev_burst_duration_mean_DIV12 Control Well Compari
rval
0
2
4
6
8
10
12
14
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

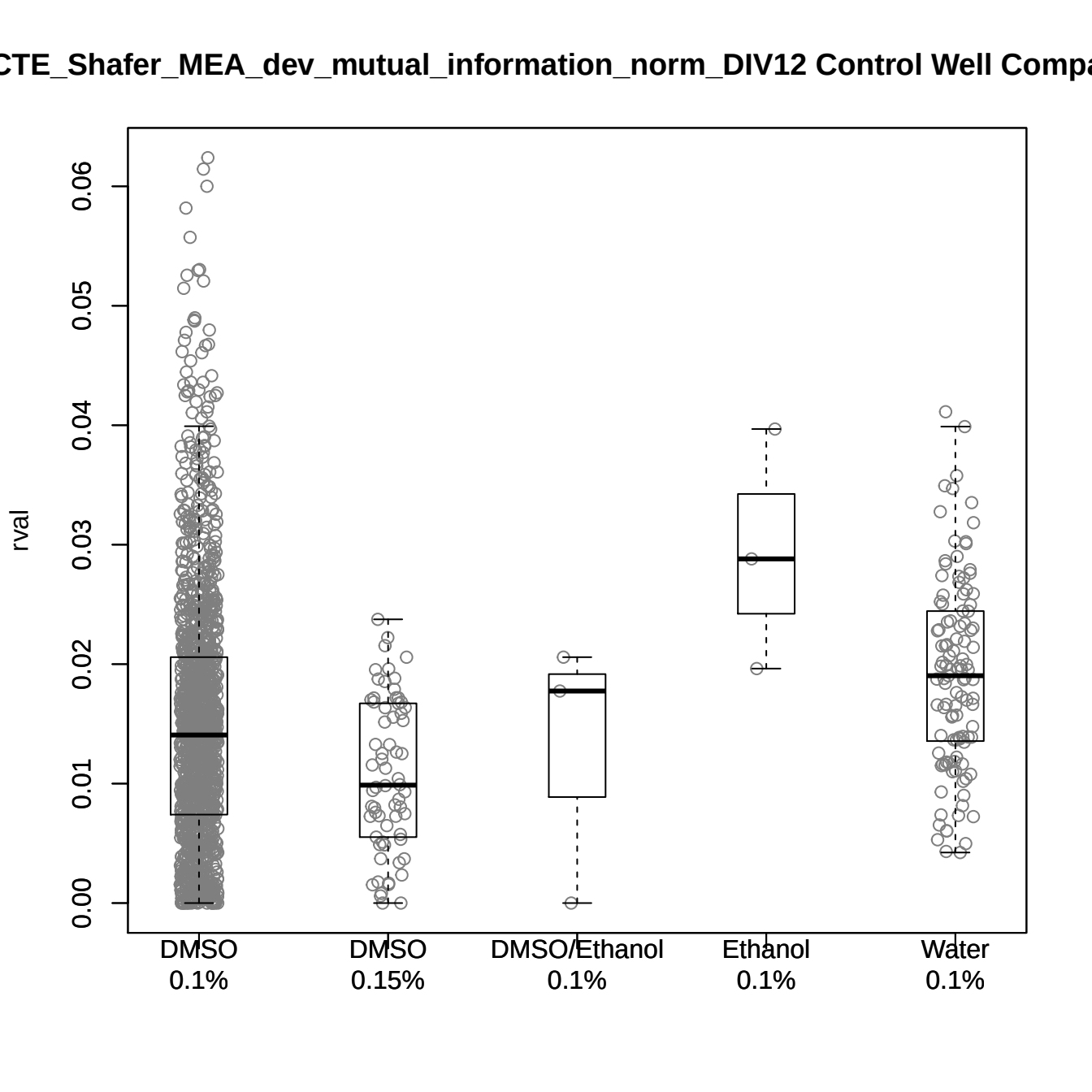

CCTE_Shafer_MEA_dev_burst_duration_mean Control Well Comparison
rval
0
20
40
60
80
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

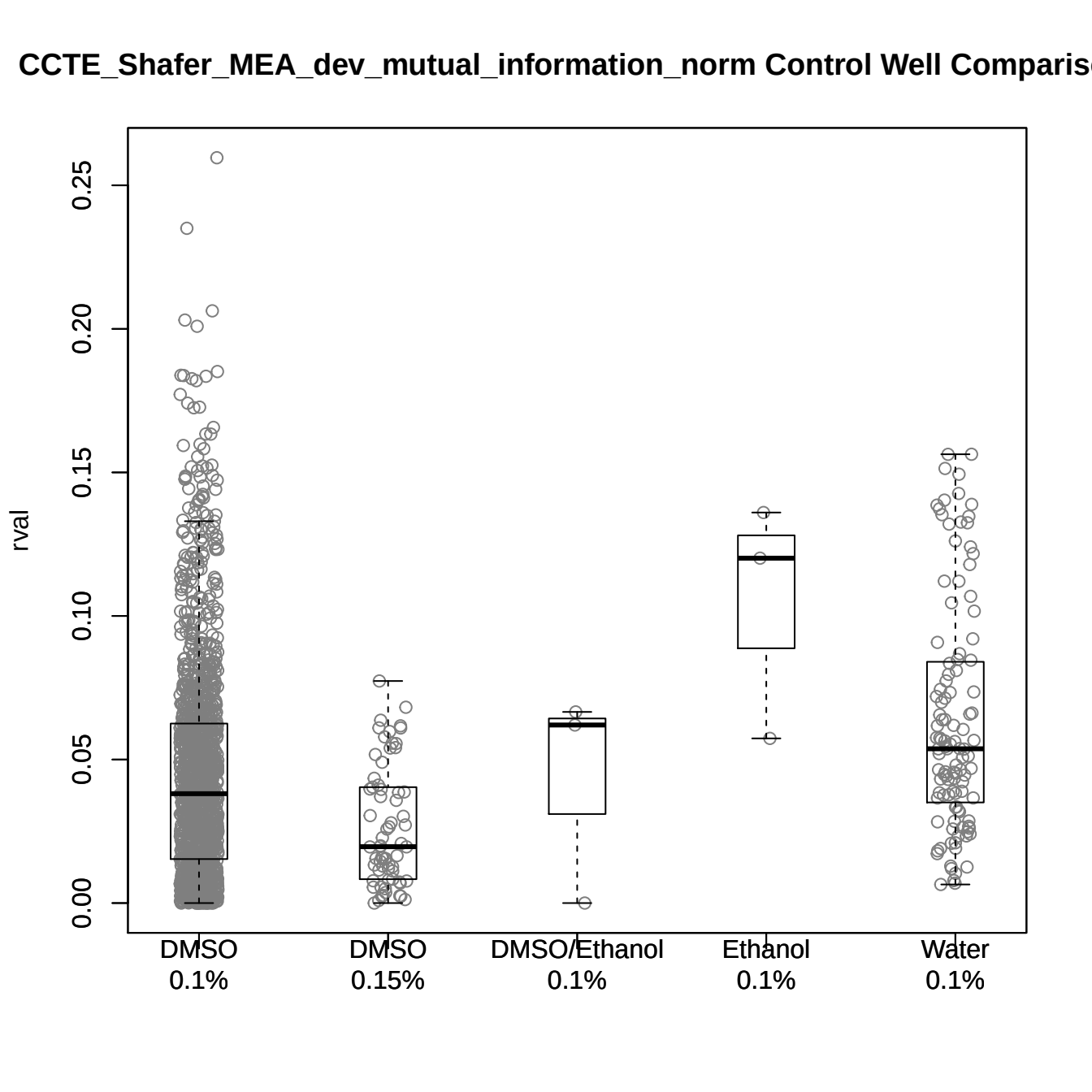

TE_Shafer_MEA_dev_per_burst_interspike_interval_DIV12 Control Well Com
rval
0.02
0.04
0.06
0.08
0.10
0.12
0.14
DMSO 0.1%
DMSO 0.15%
DMSO/Ethanol 0.1%
Ethanol 0.1%
Water 0.1%

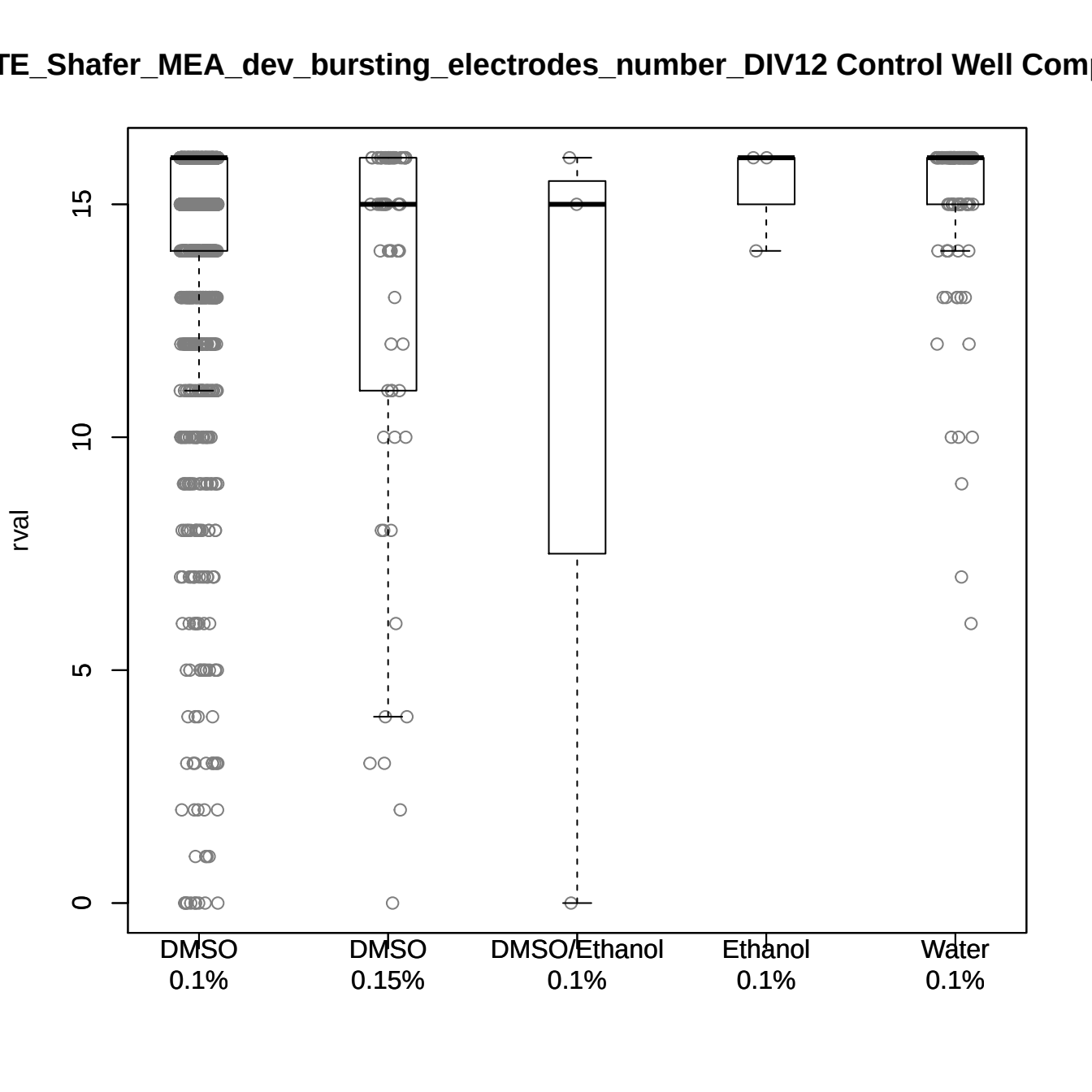

CCTE_Shafer_MEA_dev_per_burst_interspike_interval Control Well Compari
rval
0.0
0.2
0.4
0.6
0.8
1.0
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

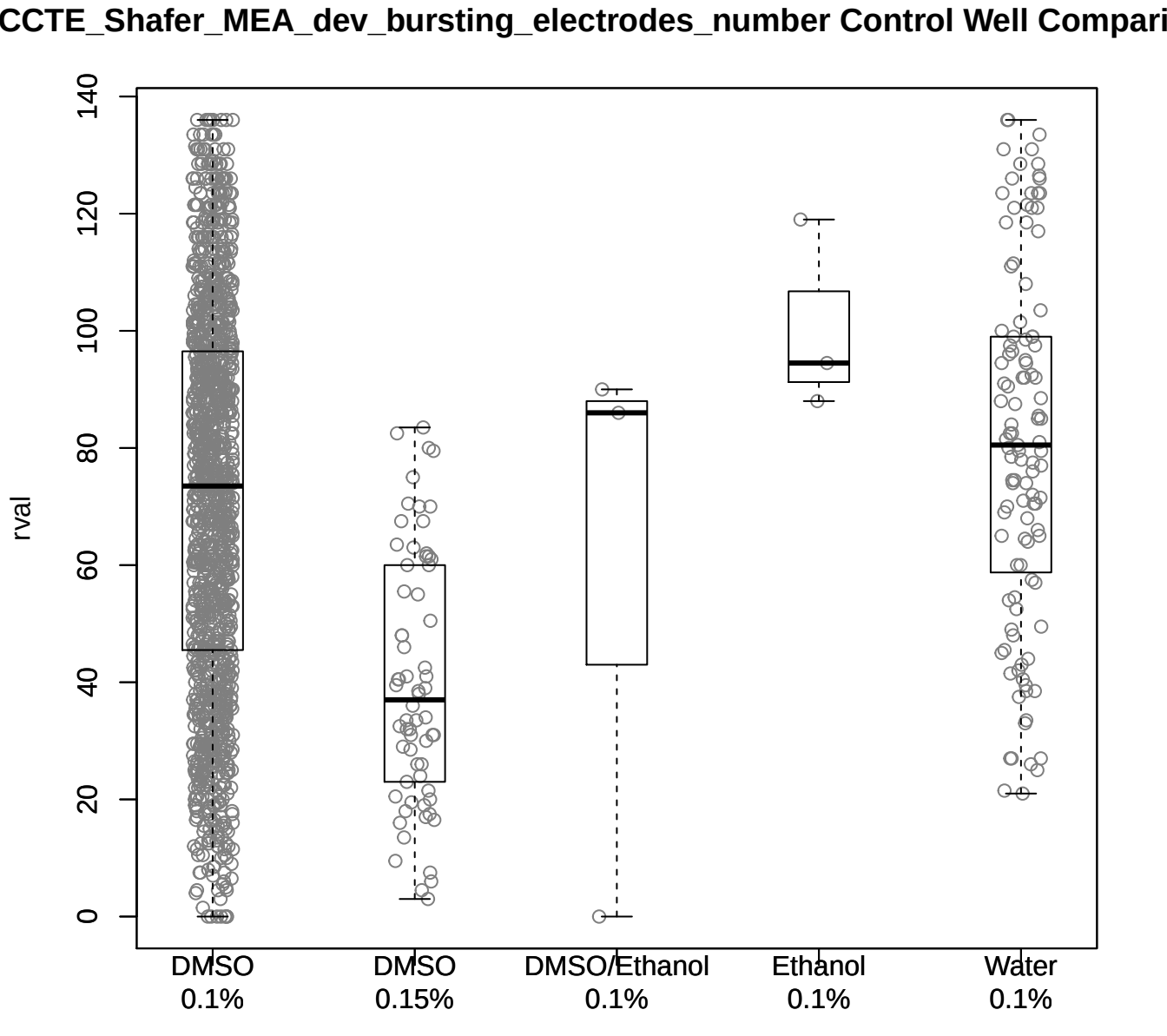

CCTE_Shafer_MEA_dev_firing_rate_mean_DIV12 Control Well Compariso
rval
0
2
4
6
8
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

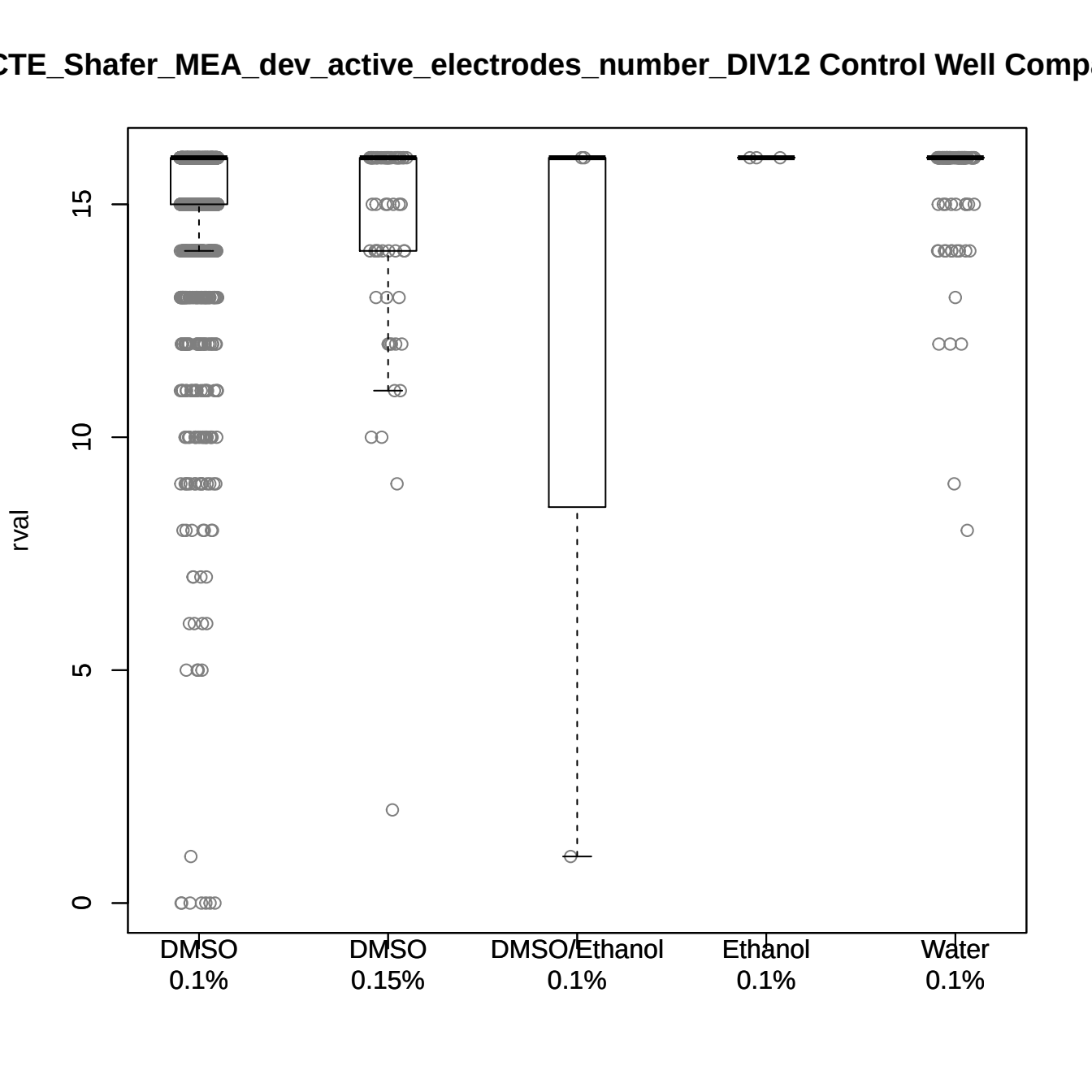

CCTE_Shafer_MEA_dev_firing_rate_mean Control Well Comparison
rval
0
5
10
15
20
25
30
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

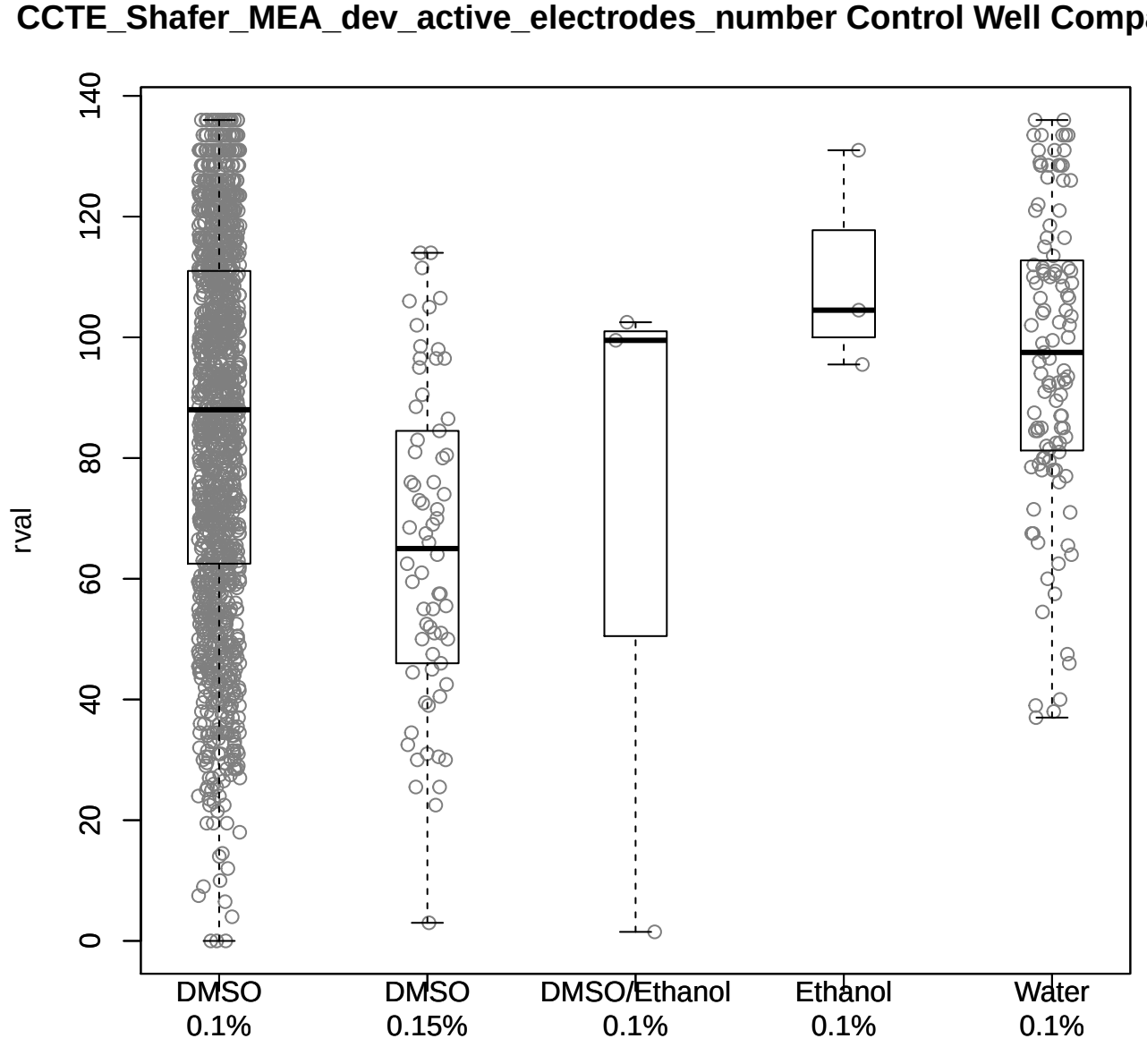

CTE_Shafer_MEA_dev_mutual_information_norm_DIV12 Control Well Compa
rval
0.00
0.01
0.02
0.03
0.04
0.05
0.06
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

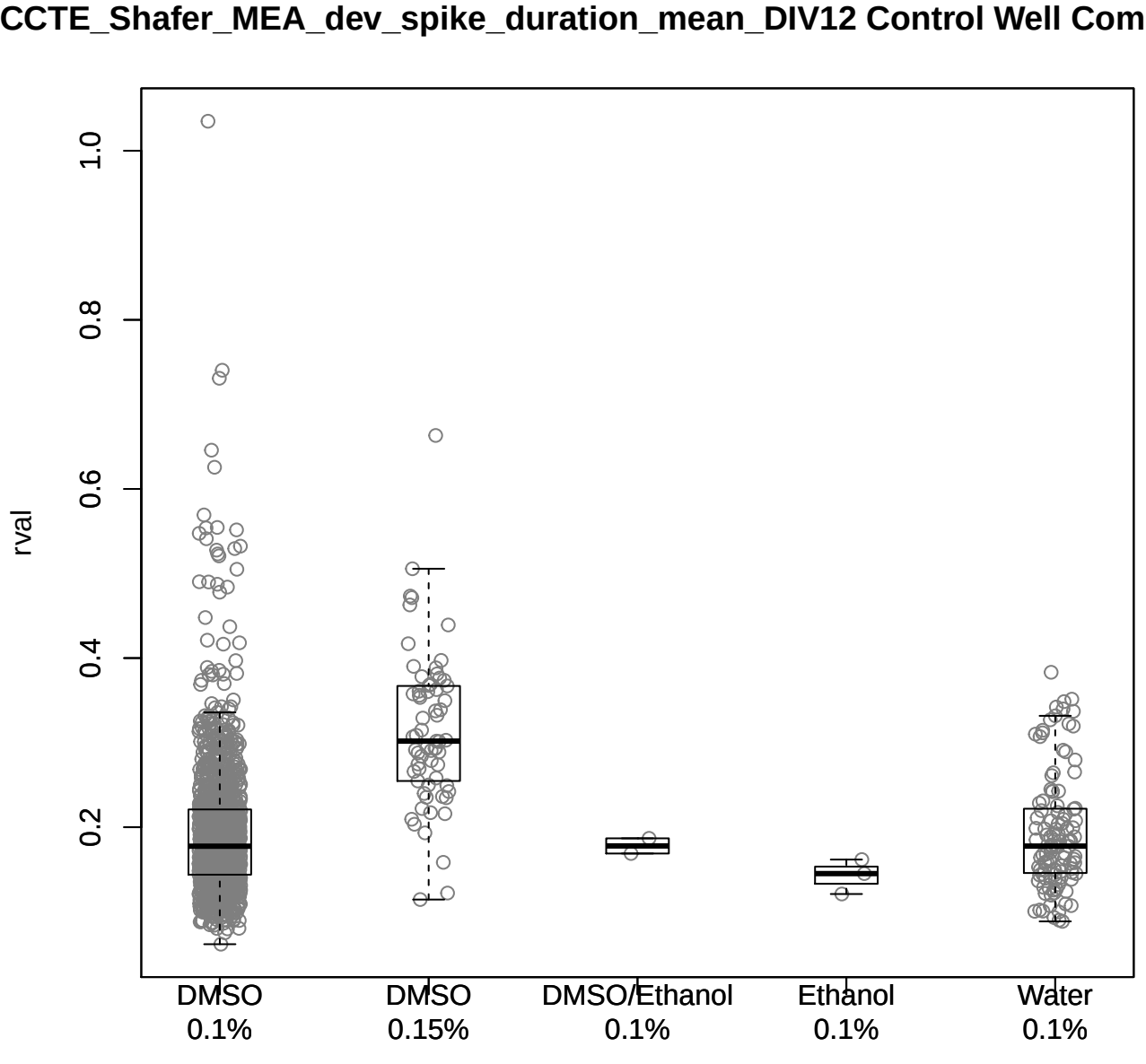

CCTE_Shafer_MEA_dev_mutual_information_norm Control Well Comparis
rval
0.00
0.05
0.10
0.15
0.20
0.25
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

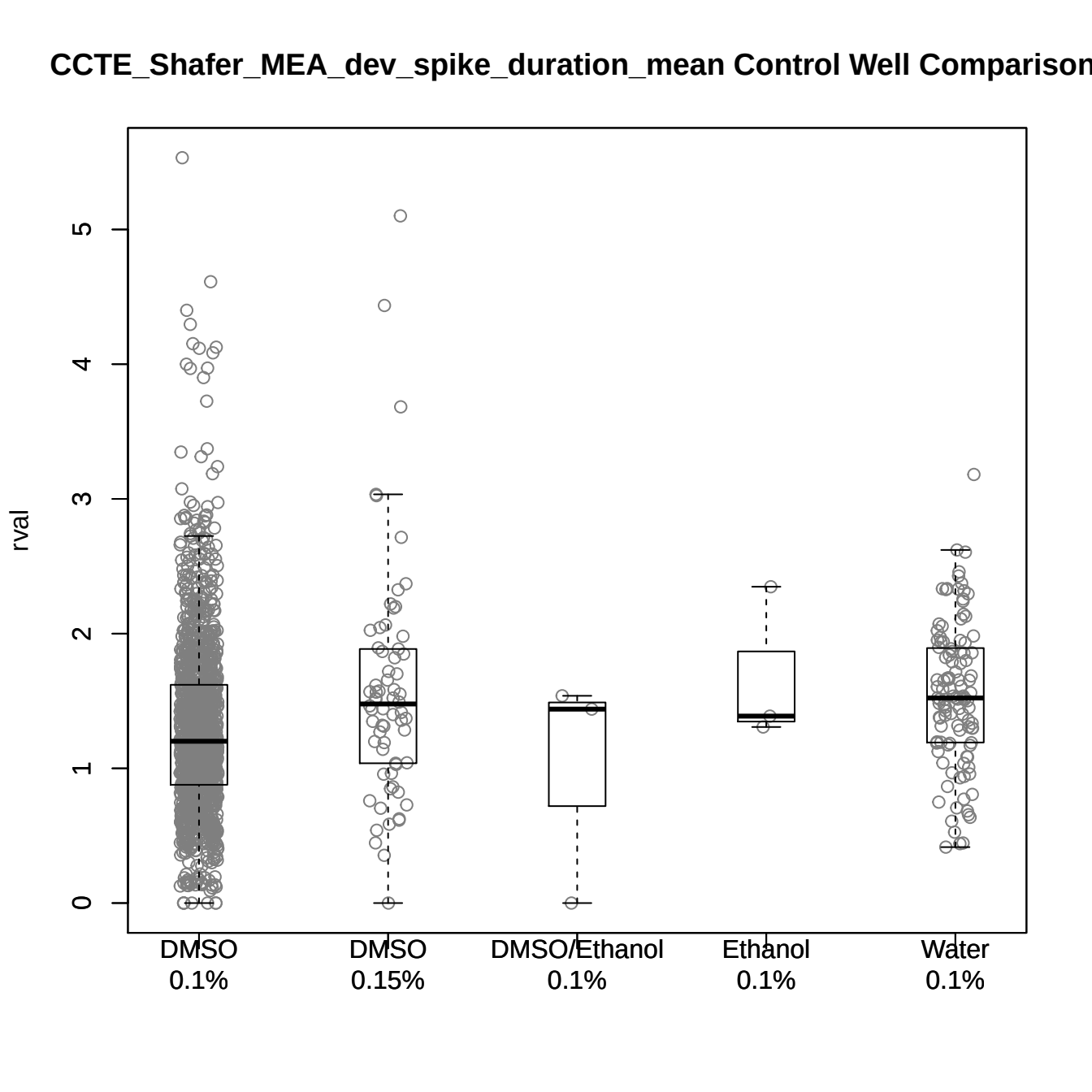

TE_Shafer_MEA_dev_bursting_electrodes_number_DIV12 Control Well Comp
rval
0
5
10
15
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

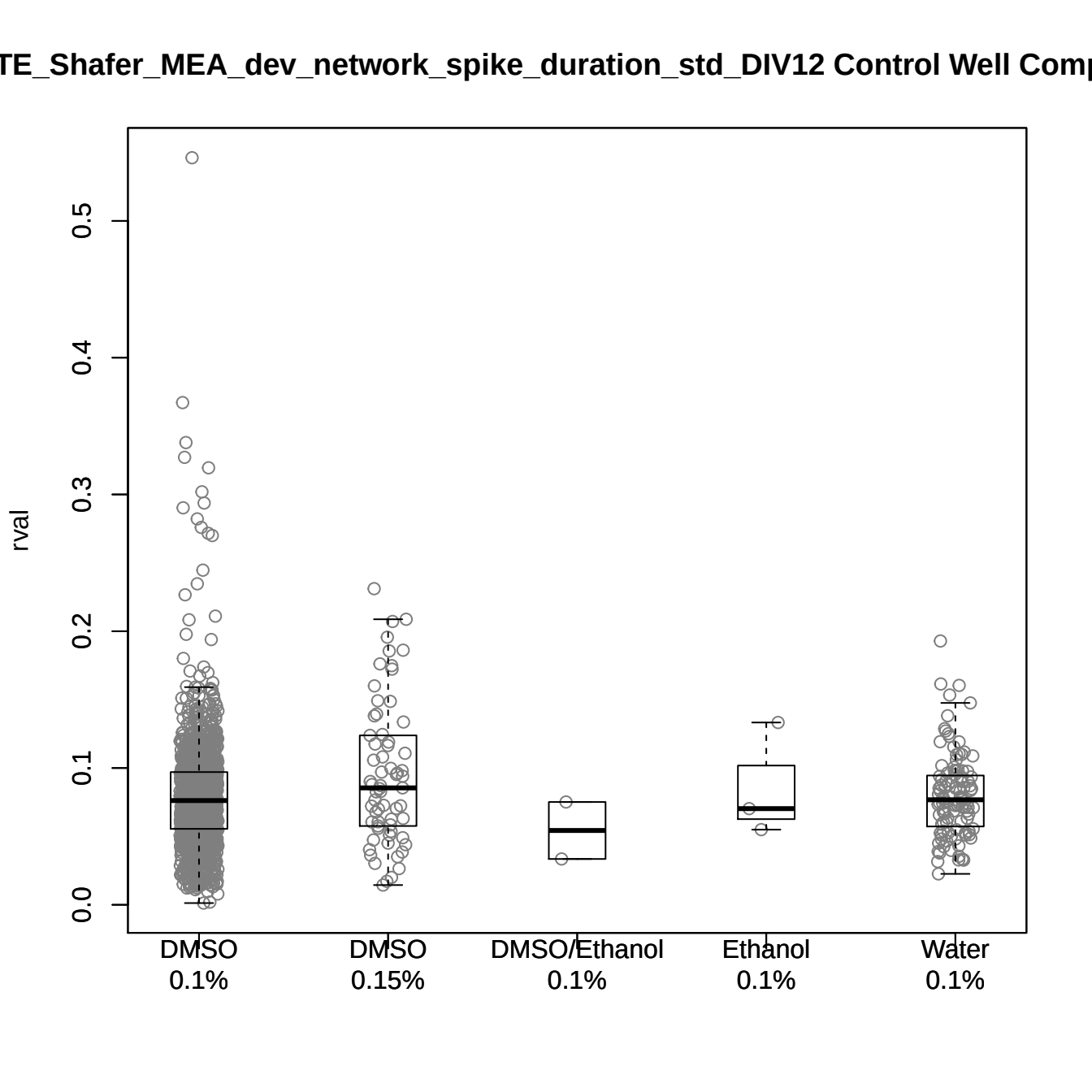

CCTE_Shafer_MEA_dev_bursting_electrodes_number Control Well Compari
rval
0
20
40
60
80
100
120
140
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

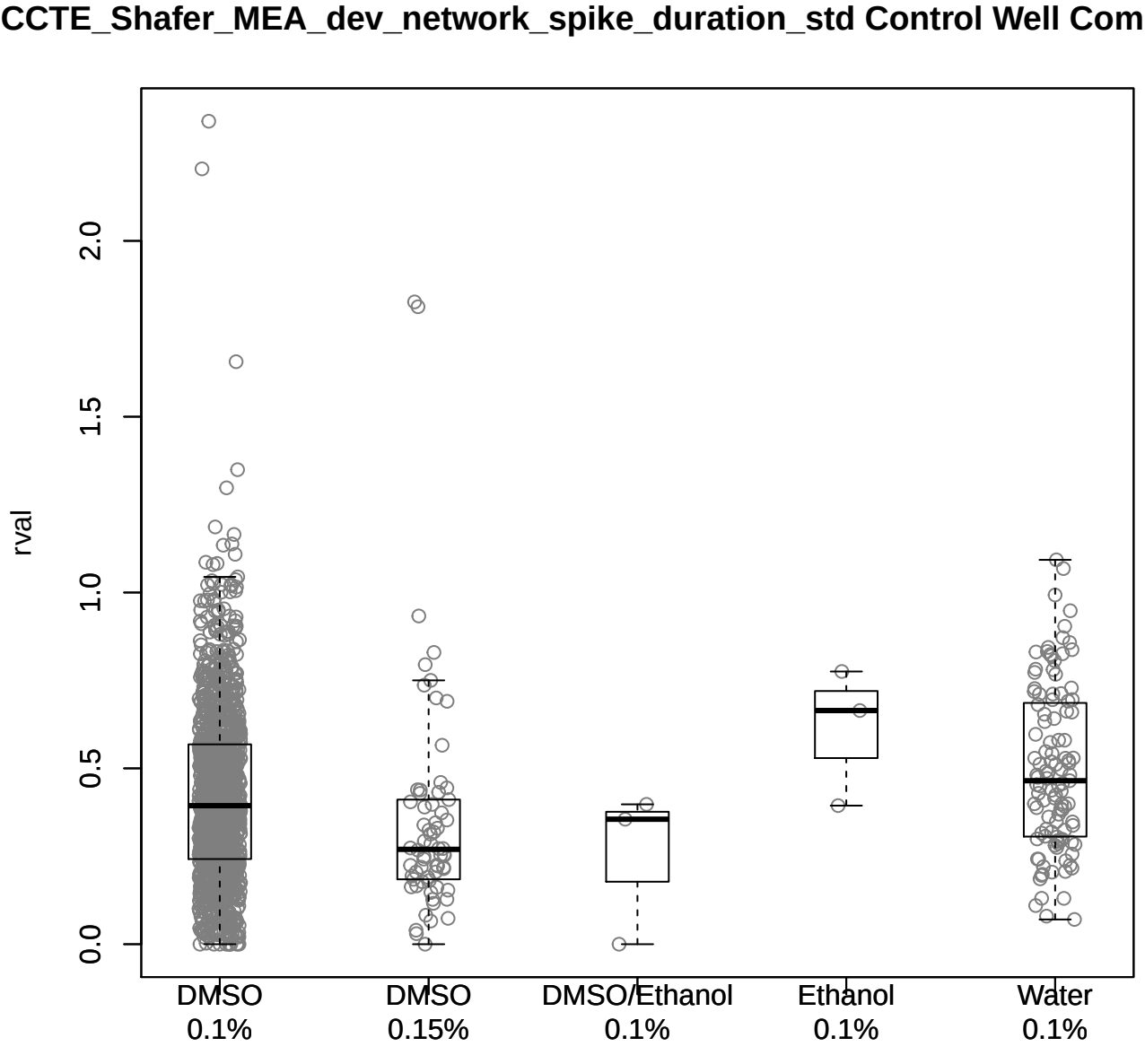

CTE_Shafer_MEA_dev_active_electrodes_number_DIV12 Control Well Compa
rval
0
5
10
15
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

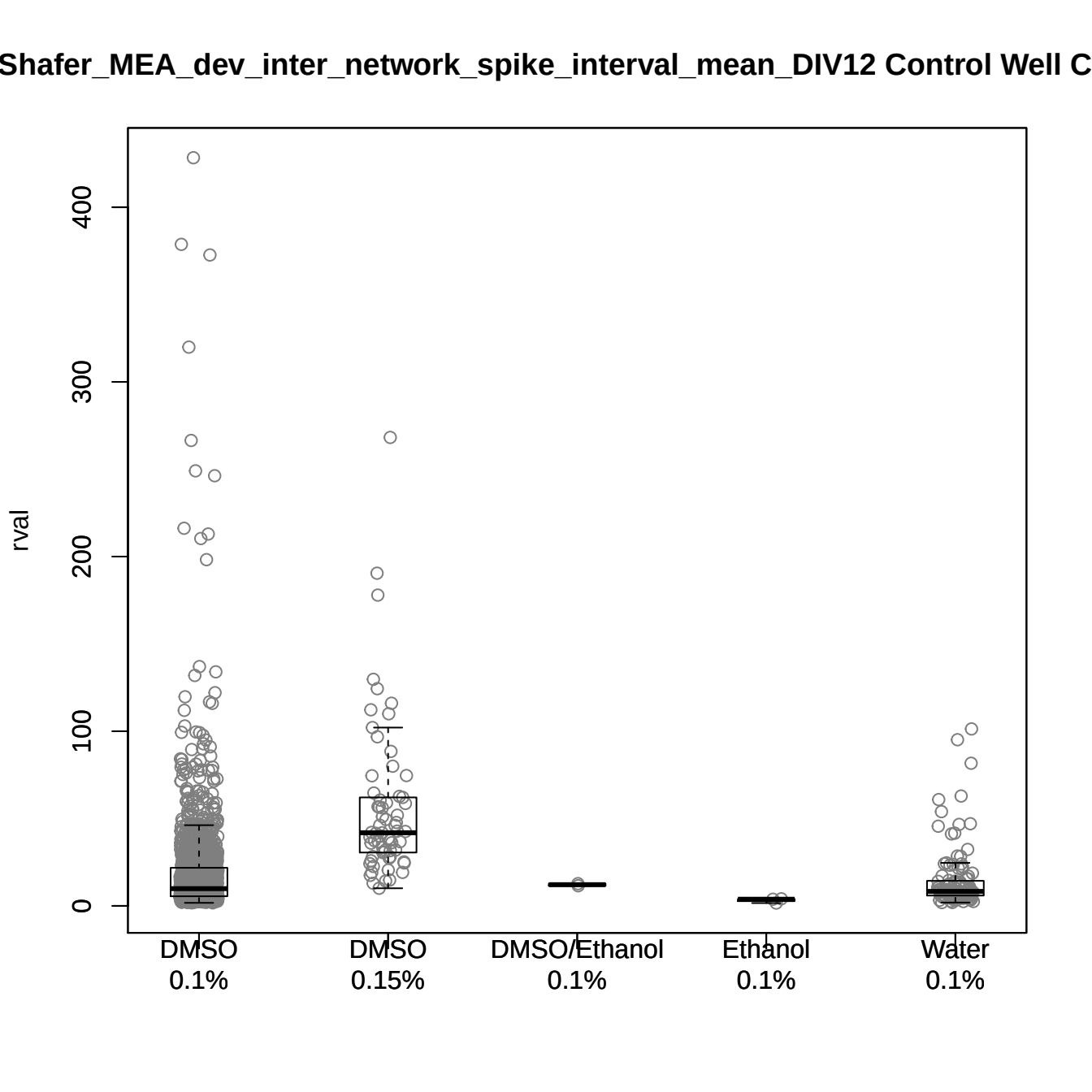

CCTE_Shafer_MEA_dev_active_electrodes_number Control Well Comparis
rval
0
20
40
60
80
100
120
140
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

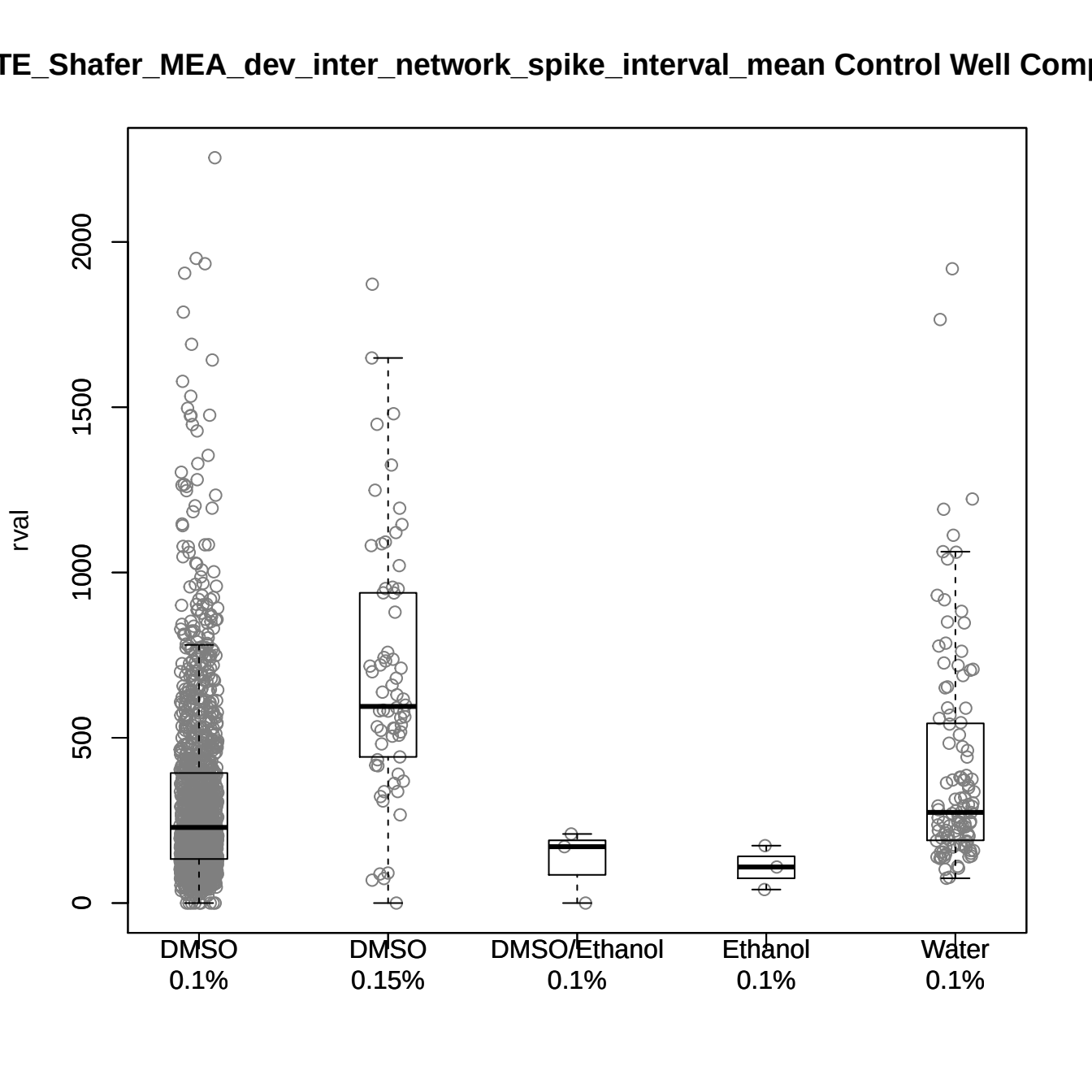

CCTE_Shafer_MEA_dev_spike_duration_mean_DIV12 Control Well Compari
rval
1.0
0.8
0.6
0.4
0.2
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

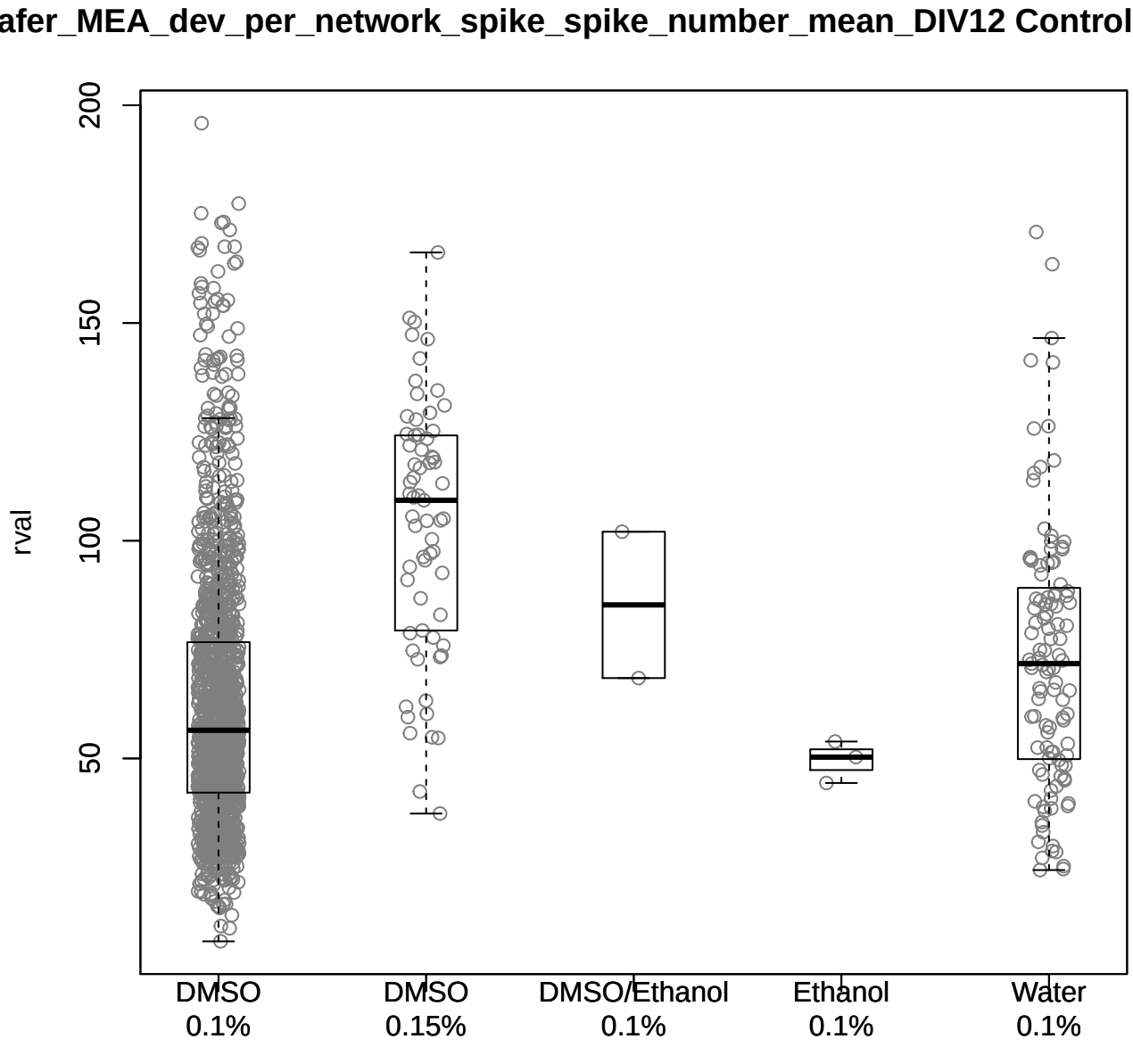

CCTE_Shafer_MEA_dev_spike_duration_mean Control Well Comparison
rval
0
1
2
3
4
5
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

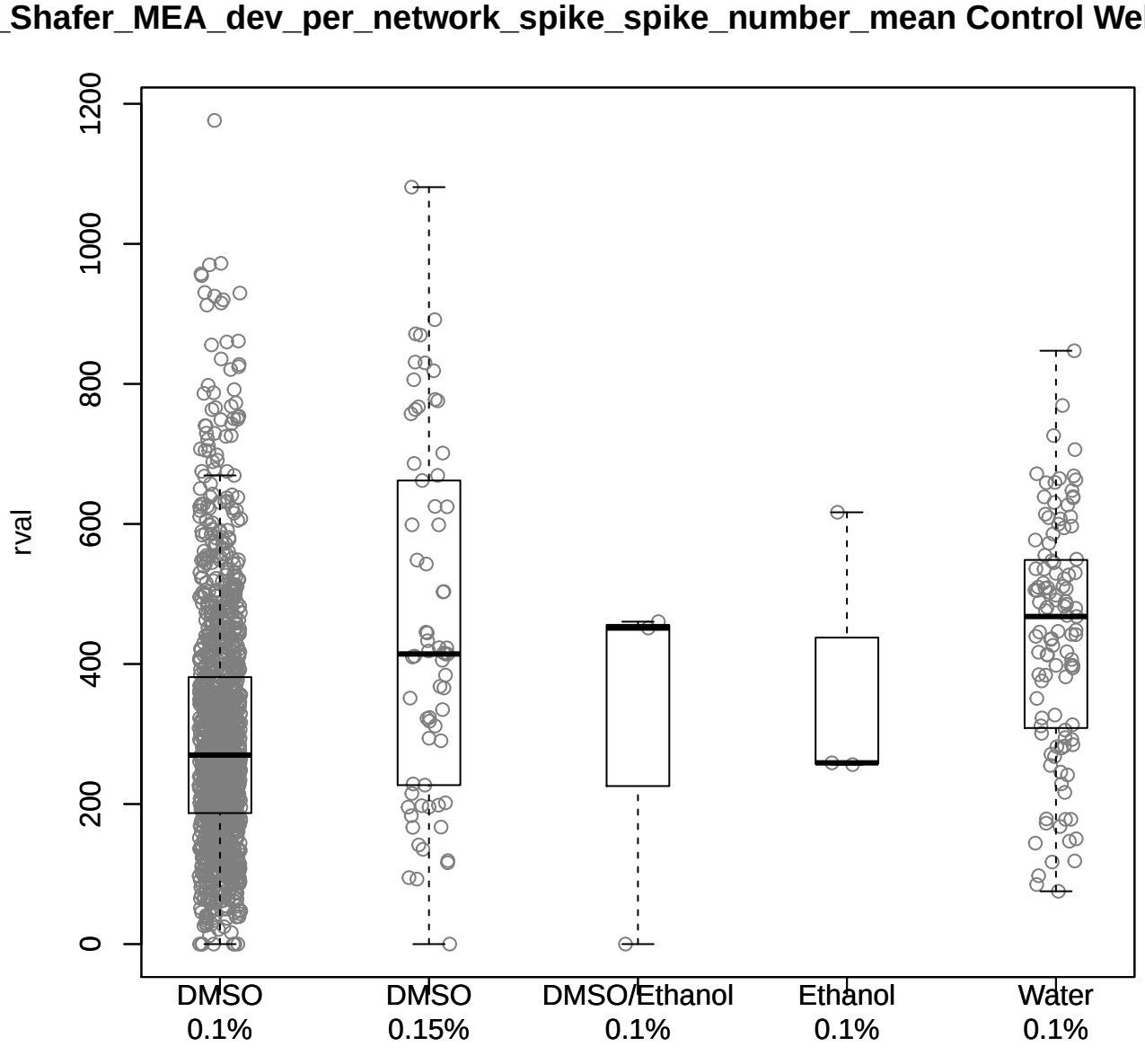

TE_Shafer_MEA_dev_network_spike_duration_std_DIV12 Control Well Comp
rval
0.0
0.1
0.2
0.3
0.4
0.5
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

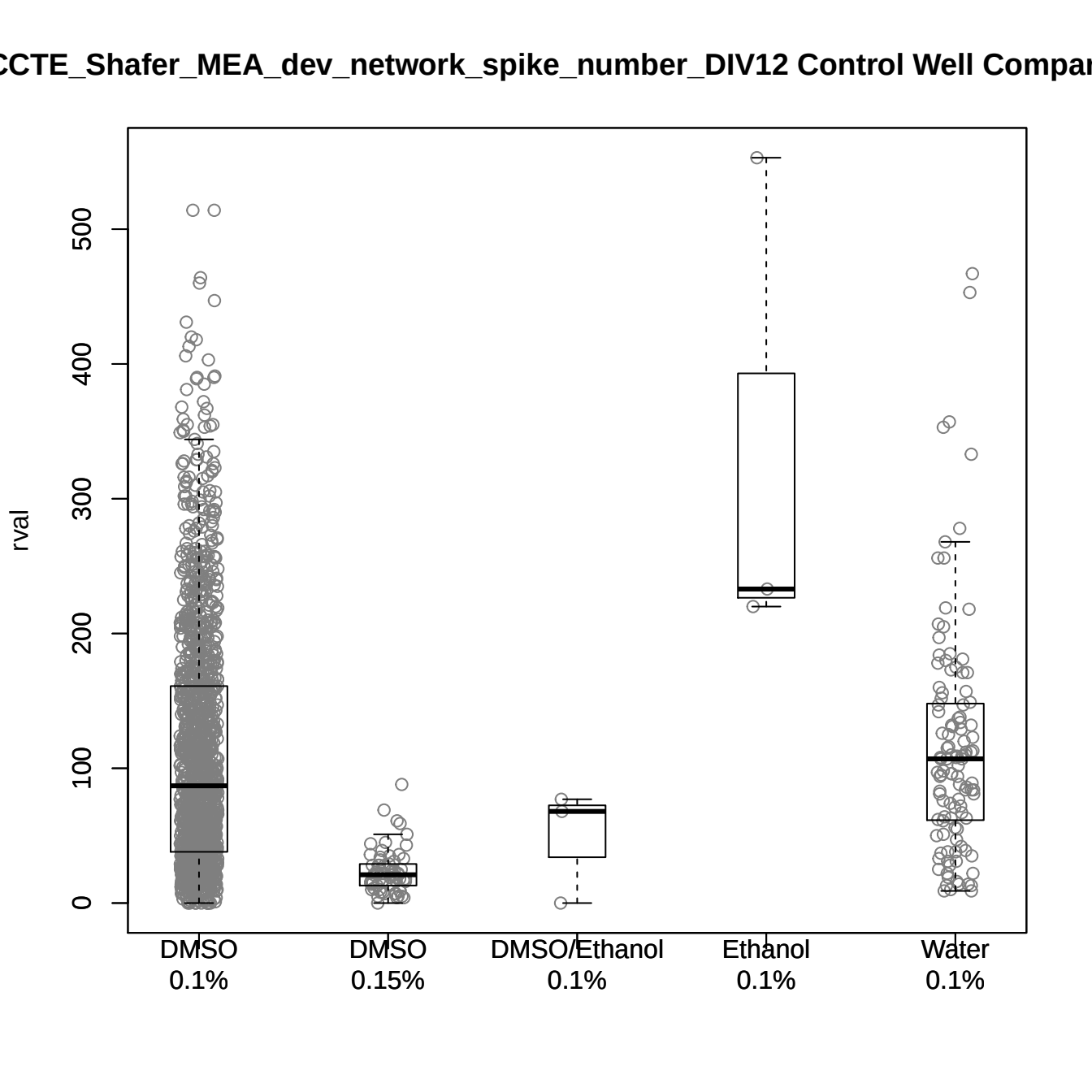

CCTE_Shafer_MEA_dev_network_spike_duration_std Control Well Compari
rval
0.0
0.5
1.0
1.5
2.0
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

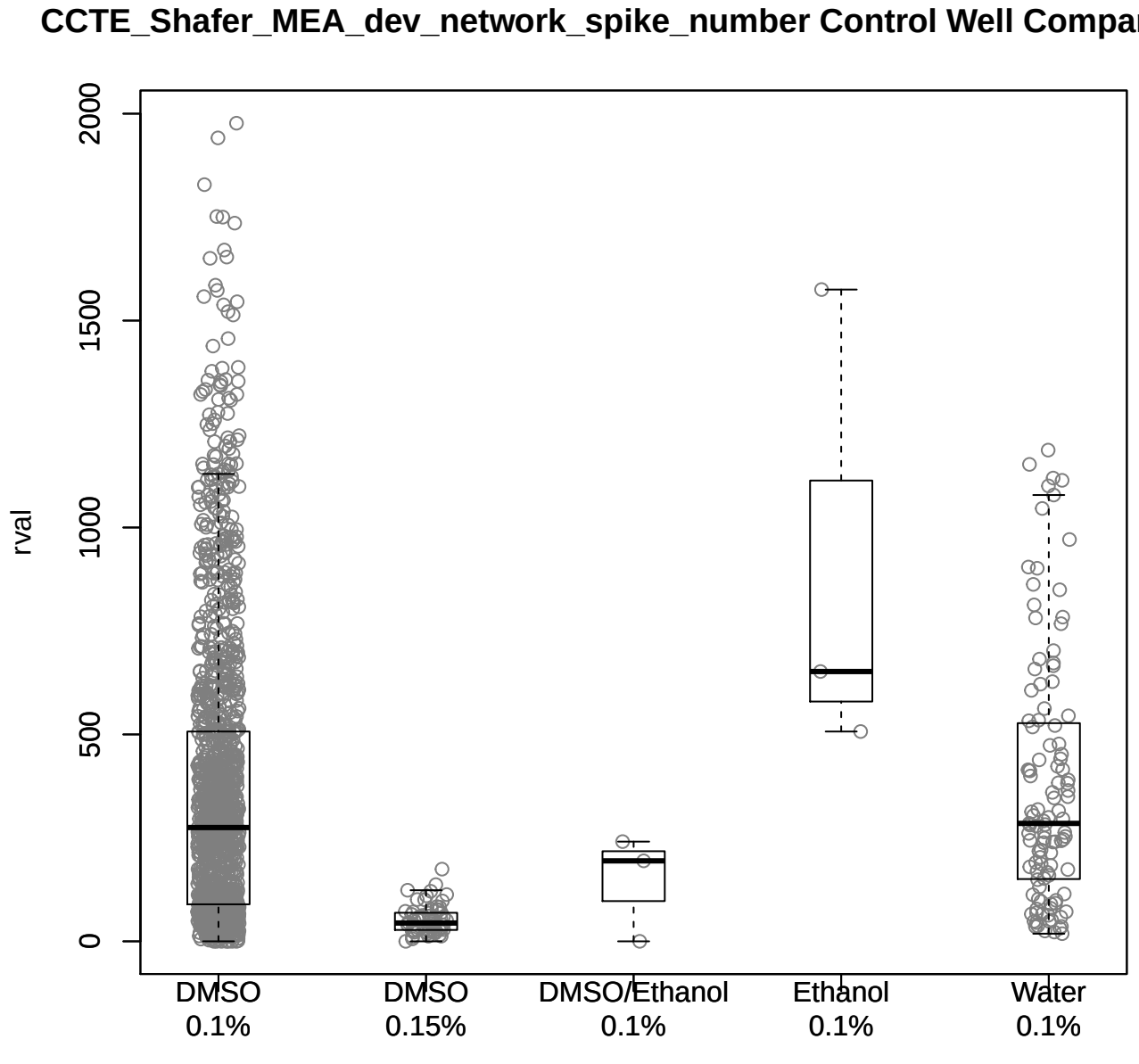

Shafer_MEA_dev_inter_network_spike_interval_mean_DIV12 Control Well C
rval
0
100
200
300
400
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

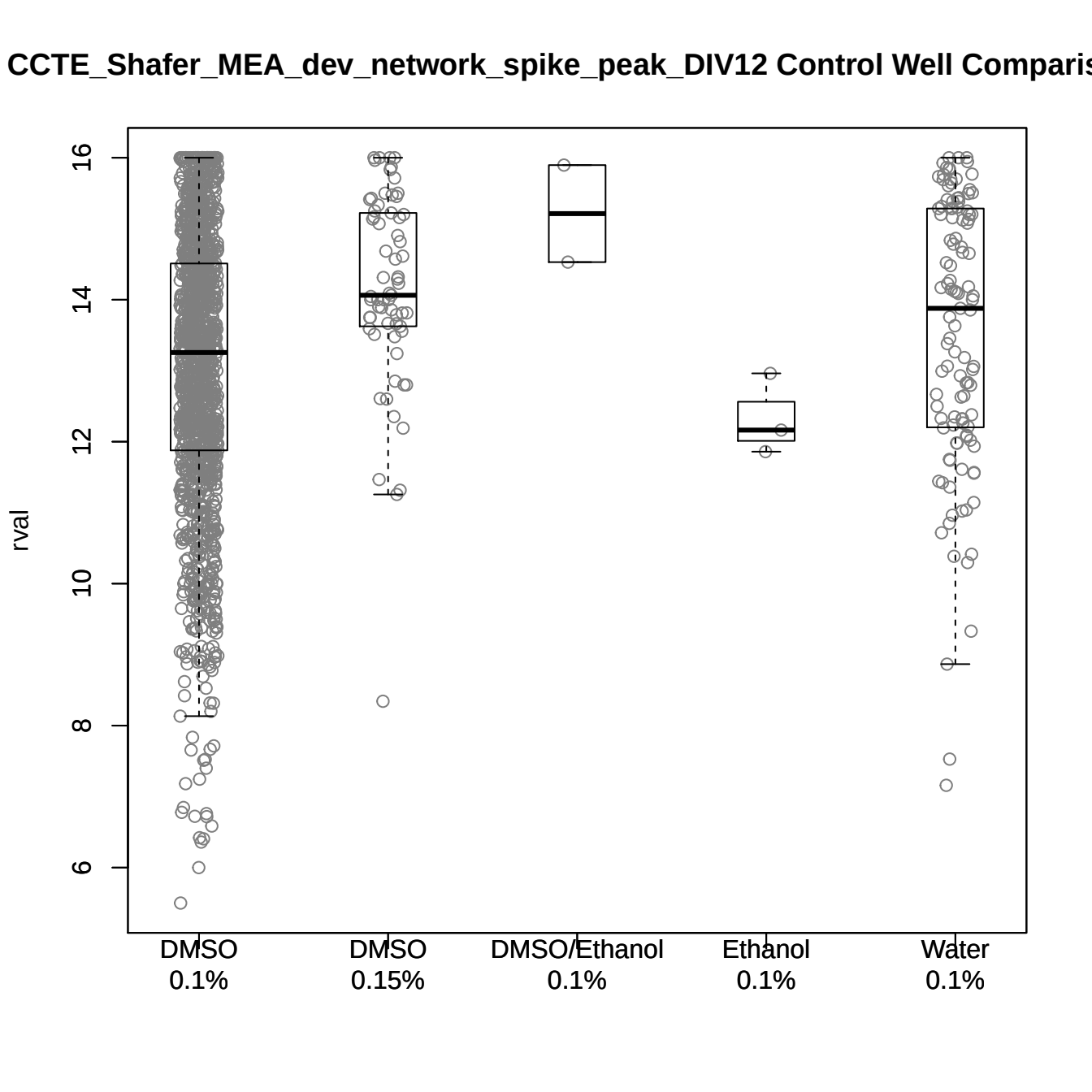

TE_Shafer_MEA_dev_inter_network_spike_interval_mean Control Well Comp
rval
0
500
1000
1500
2000
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

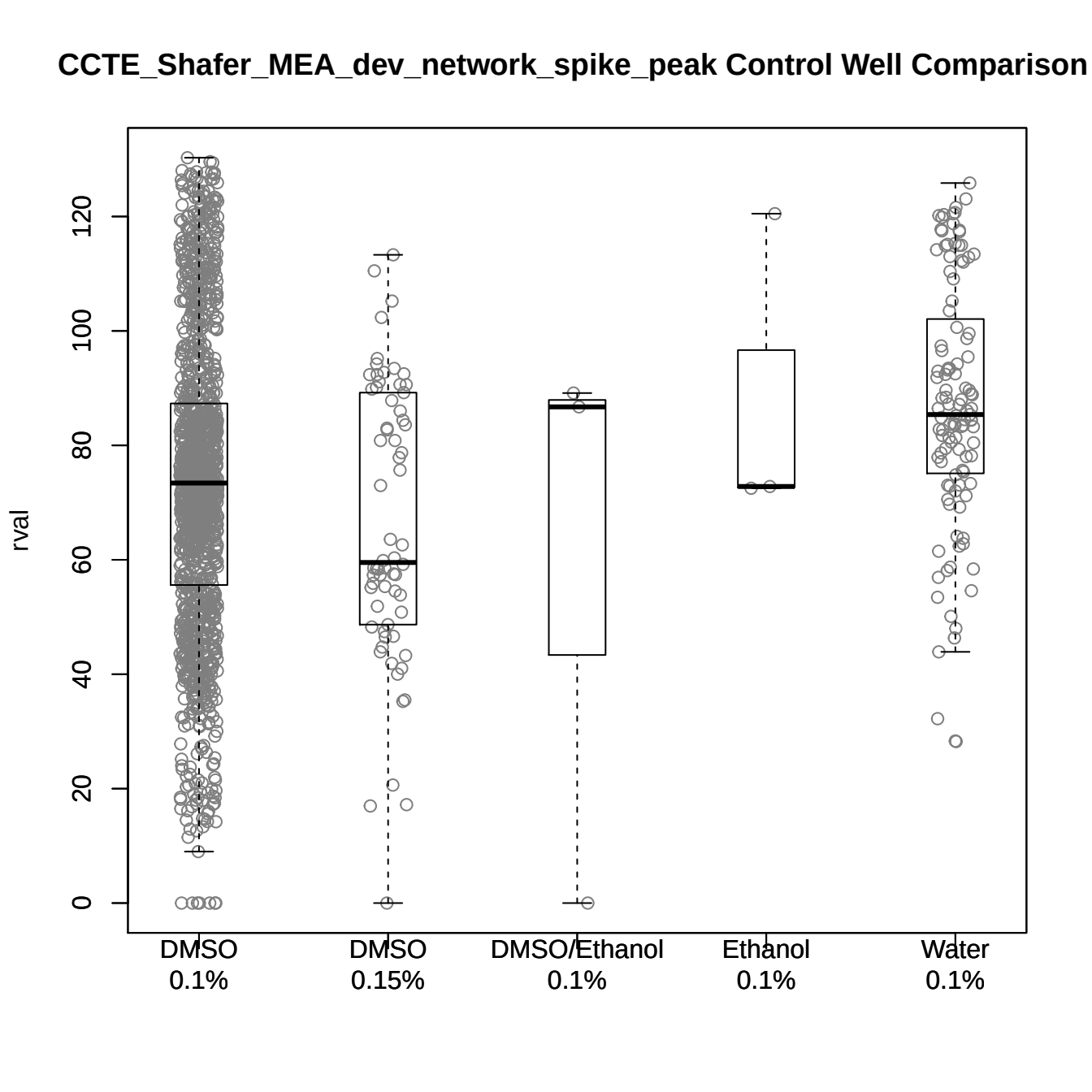

afer_MEA_dev_per_network_spike_spike_number_mean_DIV12 Control Wel
rval
200
150
100
50
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

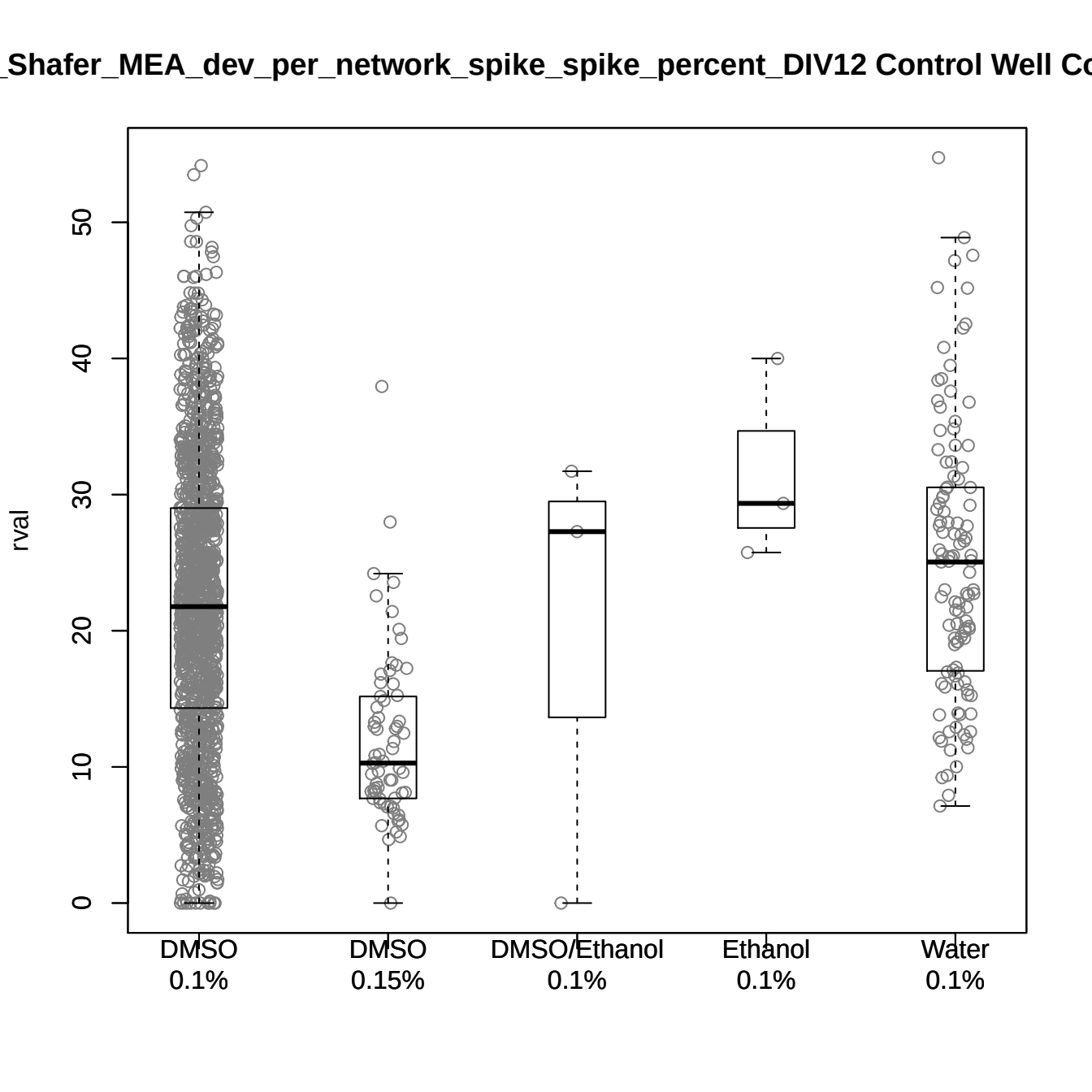

_Shafer_MEA_dev_per_network_spike_spike_number_mean Control Well Co
rval
0
200
400
600
800
1000
1200
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

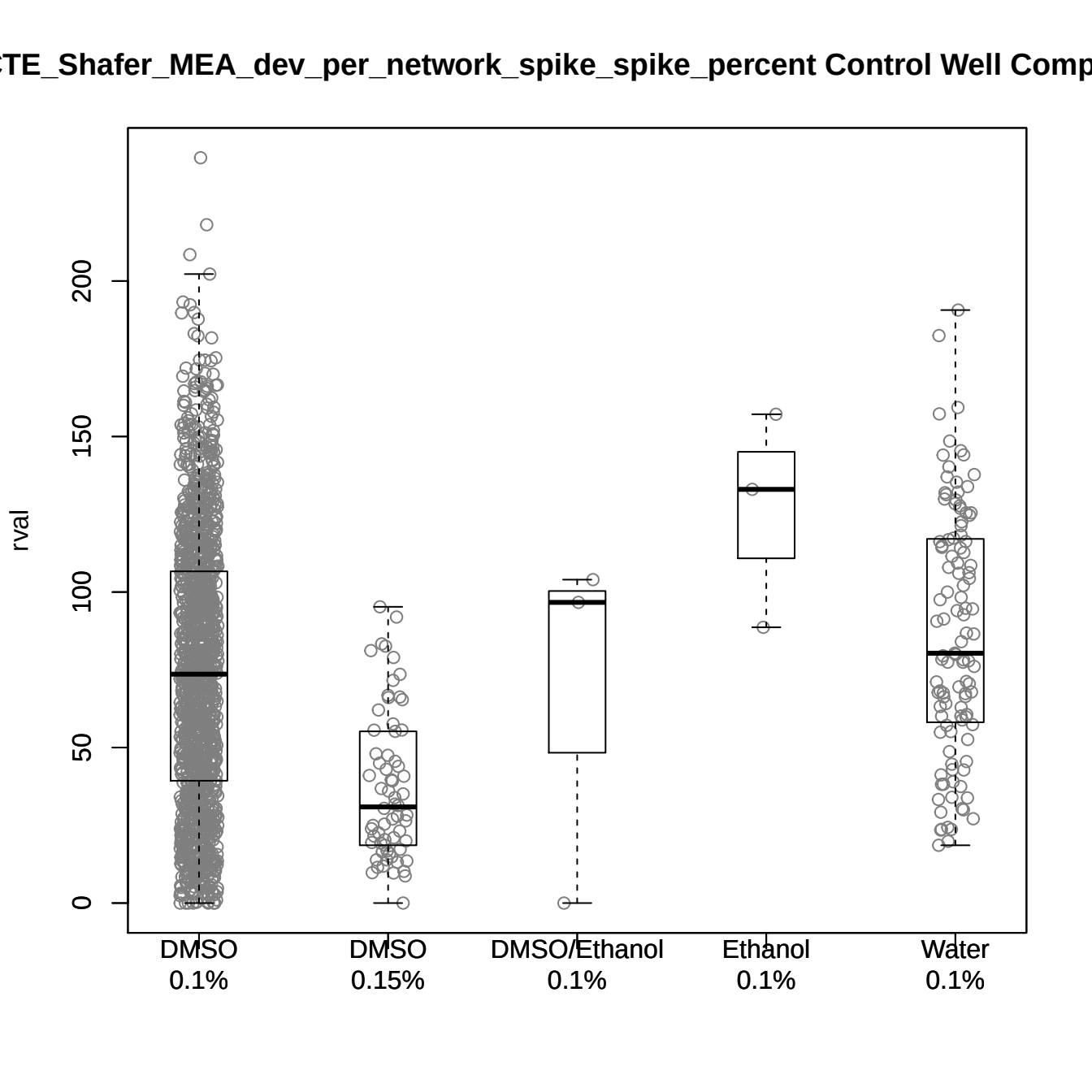

CCTE_Shafer_MEA_dev_network_spike_number_DIV12 Control Well Compar
rval
0
100
200
300
400
500
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

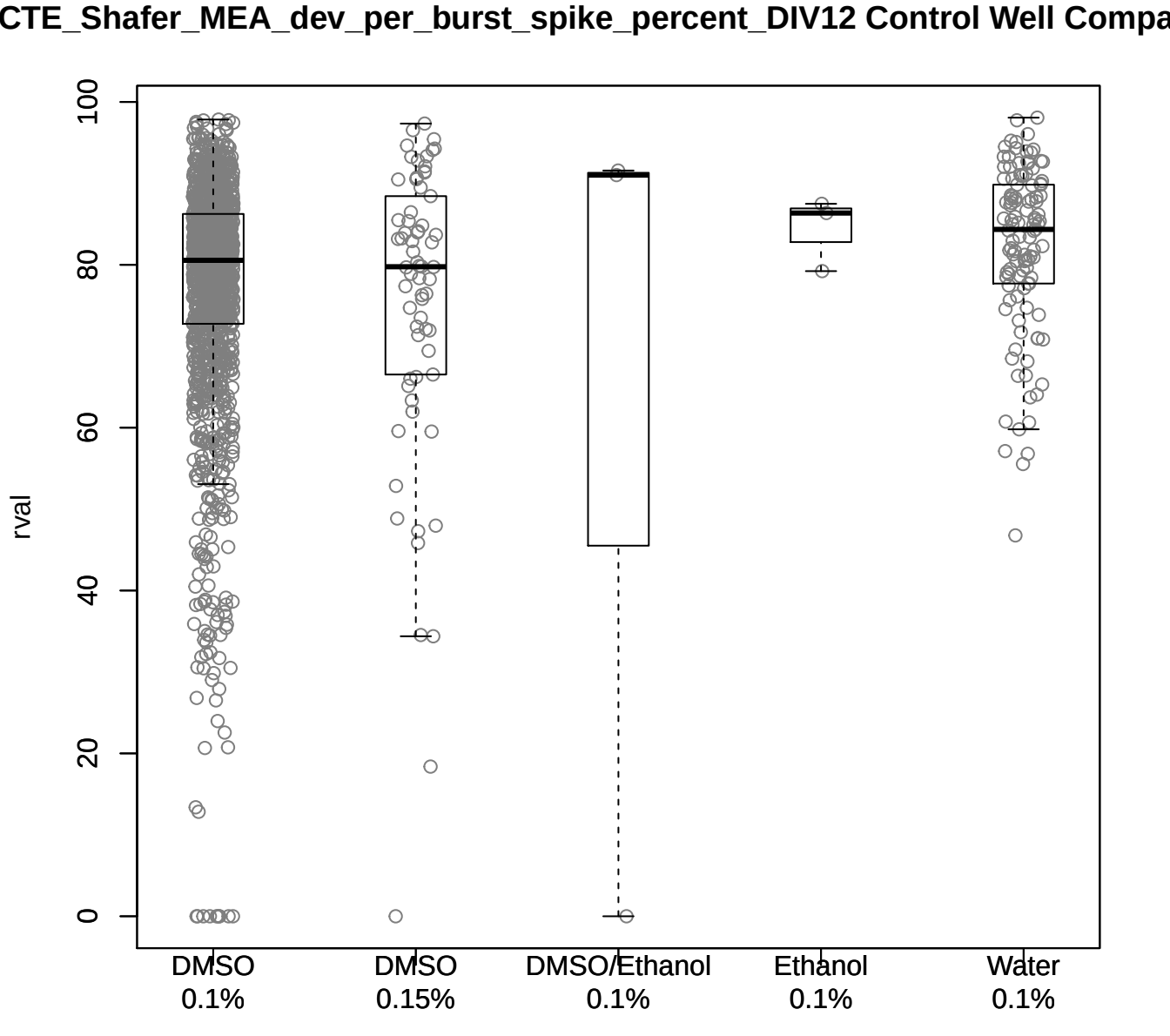

CCTE_Shafer_MEA_dev_network_spike_number Control Well Compariso
rval
0
500
1000
1500
2000
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

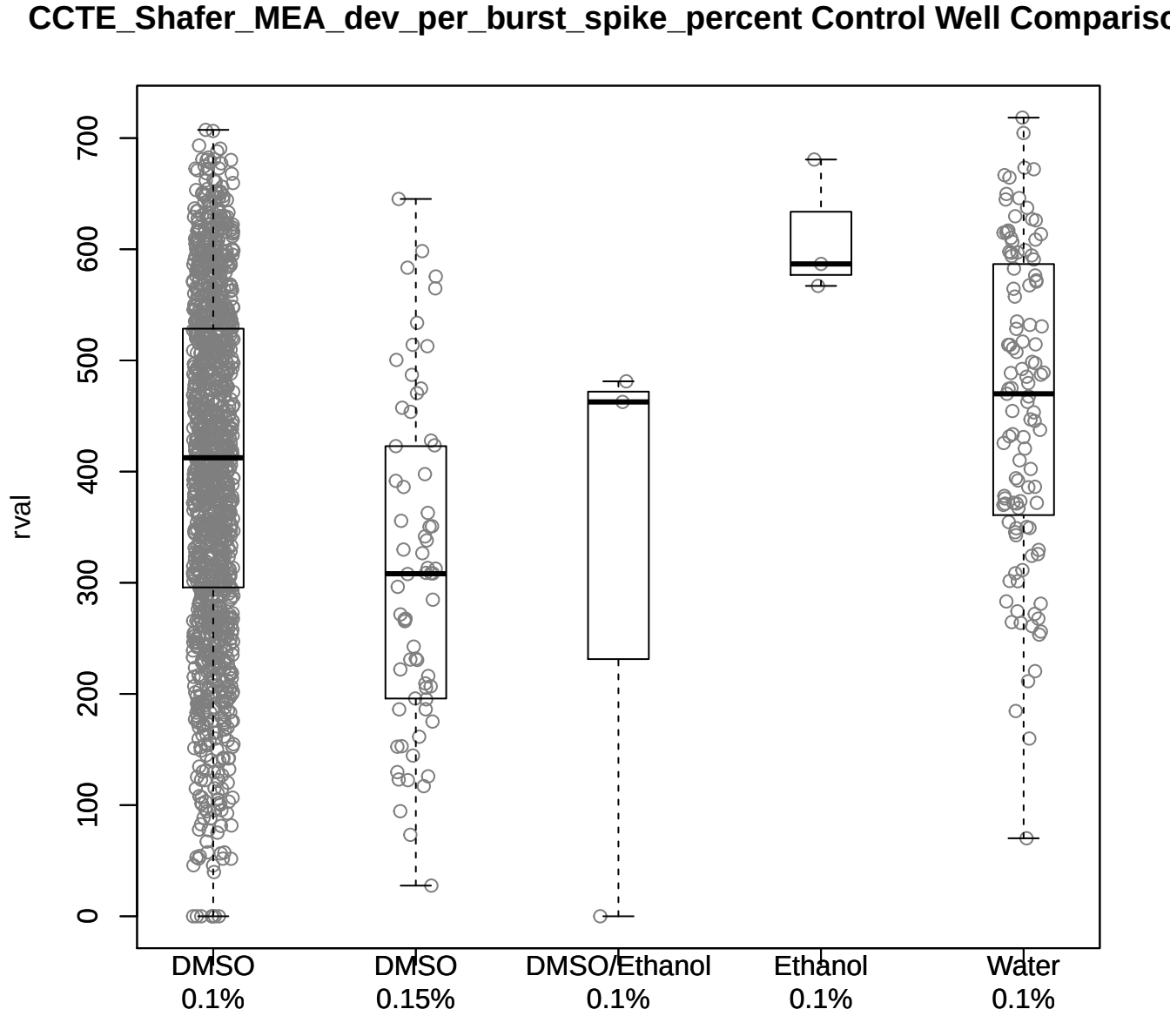

CCTE_Shafer_MEA_dev_network_spike_peak_DIV12 Control Well Comparis
rval
16
14
12
10
8
6
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

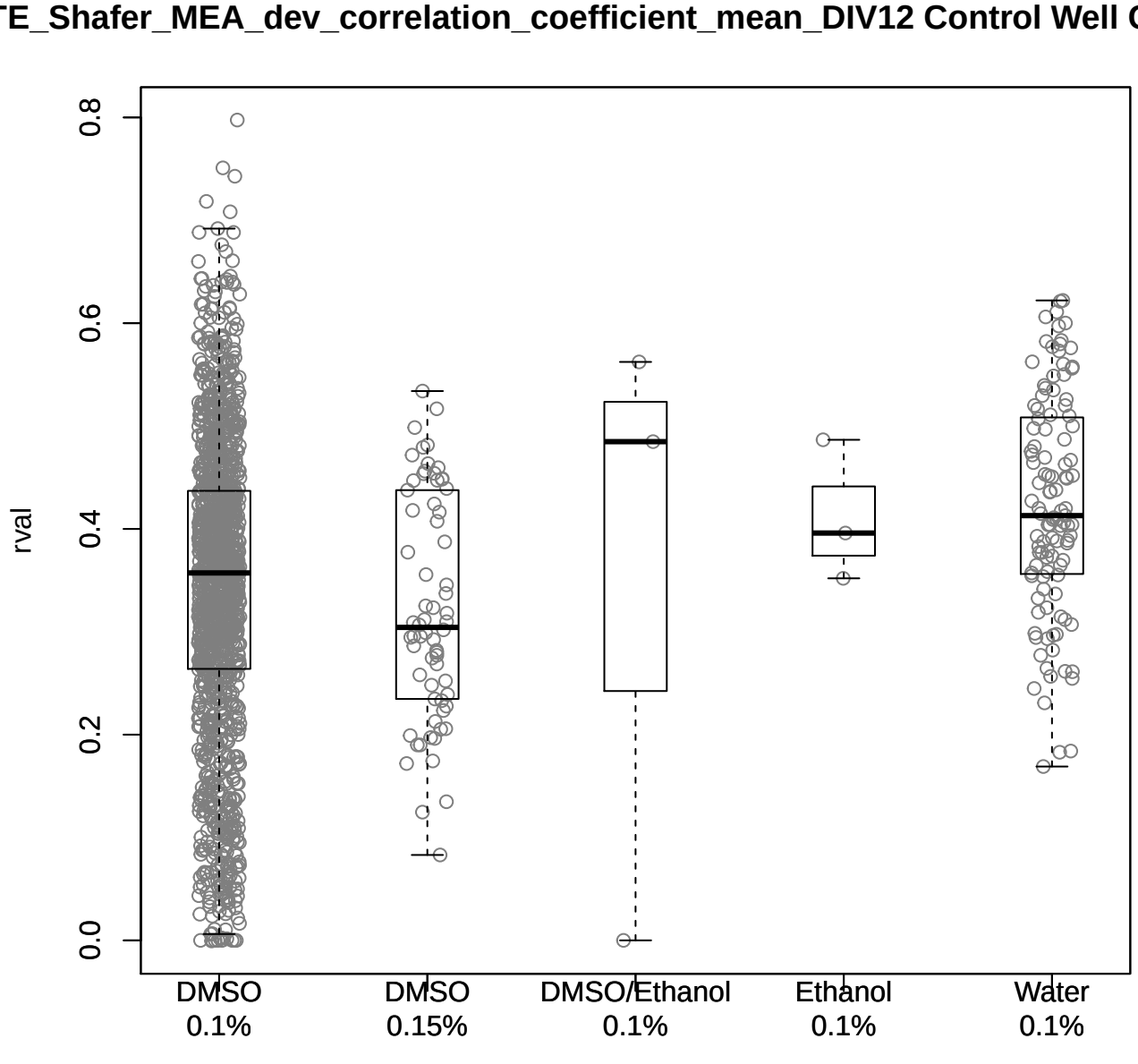

CCTE_Shafer_MEA_dev_network_spike_peak Control Well Comparison
rval
0
20
40
60
80
100
120
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

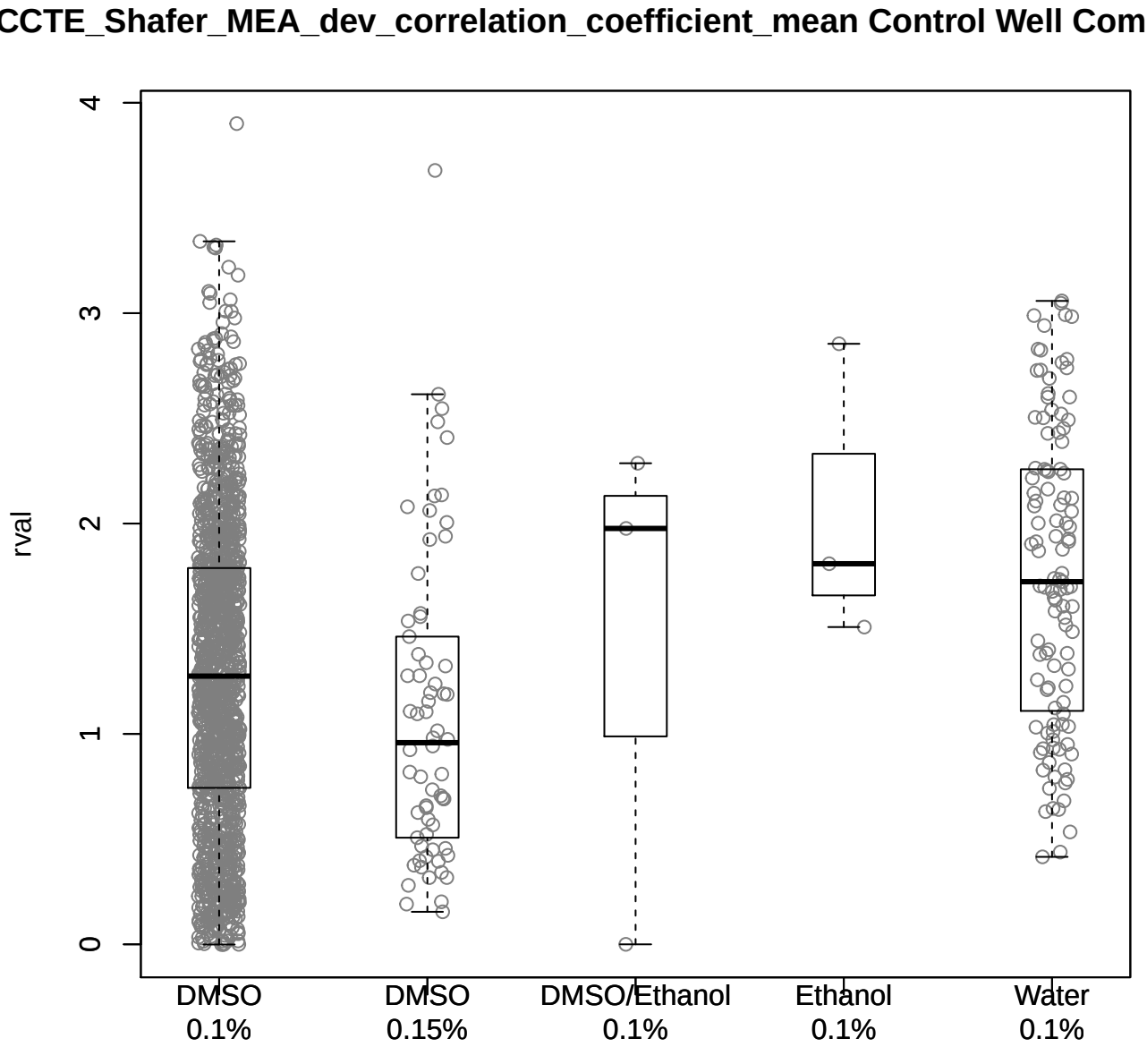

_Shafer_MEA_dev_per_network_spike_spike_percent_DIV12 Control Well Co
rval
0
10
20
30
40
50
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%

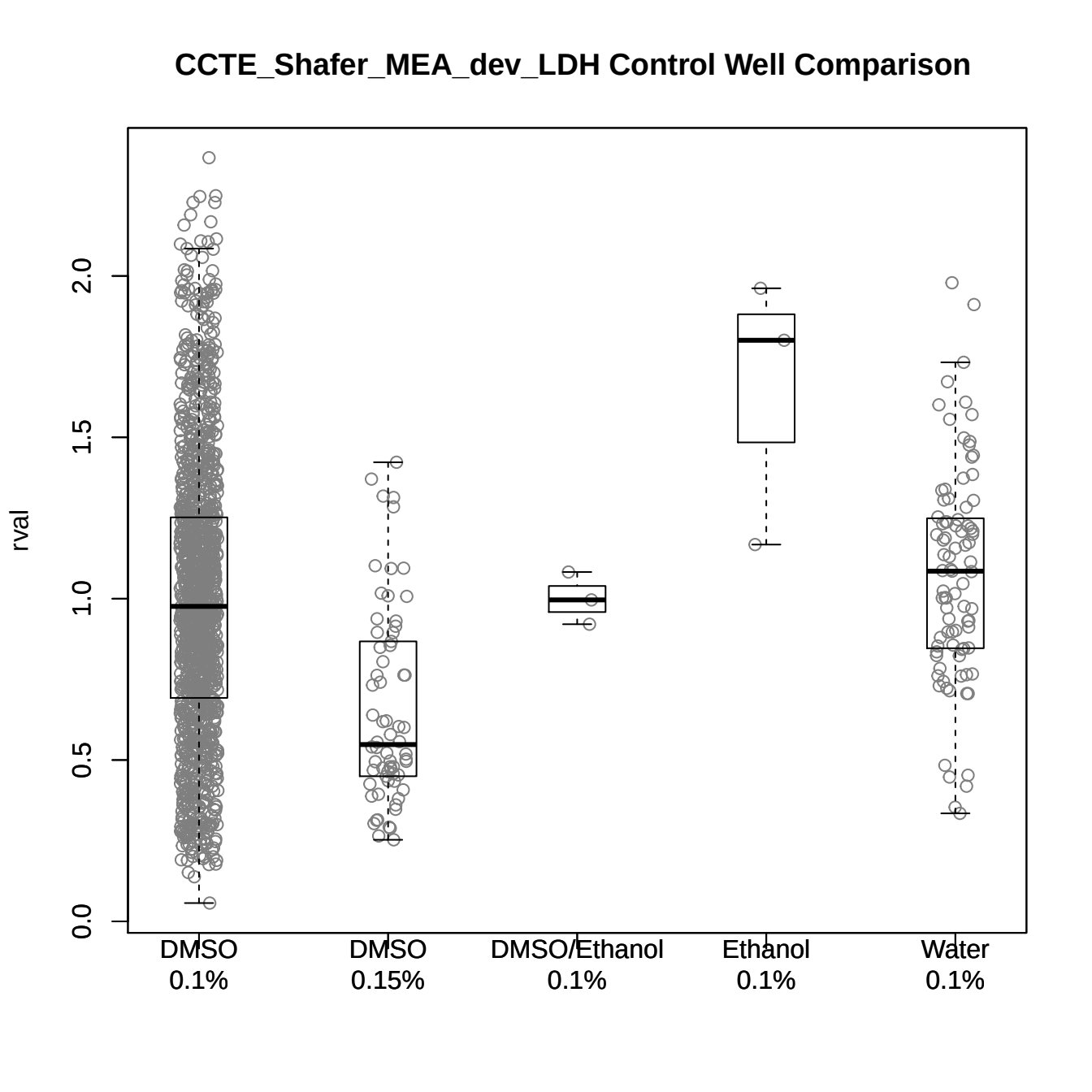

CTE_Shafer_MEA_dev_per_network_spike_spike_percent Control Well Comp
rval
0
50
100
150
200
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%


CTE_Shafer_MEA_dev_per_burst_spike_percent_DIV12 Control Well Compa
rval
0
20
40
60
80
100
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%


CCTE_Shafer_MEA_dev_per_burst_spike_percent Control Well Comparisc
rval
0
100
200
300
400
500
600
700
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%


TE_Shafer_MEA_dev_correlation_coefficient_mean_DIV12 Control Well Com
rval
0.0
0.2
0.4
0.6
0.8
DMSO 0.1%
DMSO 0.15%
DMSO/Ethanol 0.1%
Ethanol 0.1%
Water 0.1%


CCTE_Shafer_MEA_dev_correlation_coefficient_mean Control Well Compari
rval
0
1
2
3
4
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%


CCTE_Shafer_MEA_dev_LDH Control Well Comparison
rval
0.0
0.5
1.0
1.5
2.0
DMSO
0.1%
DMSO
0.15%
DMSO/Ethanol
0.1%
Ethanol
0.1%
Water
0.1%