Kcnt1Y777H_20170722_500669_mean.NB.time.per.sec_20
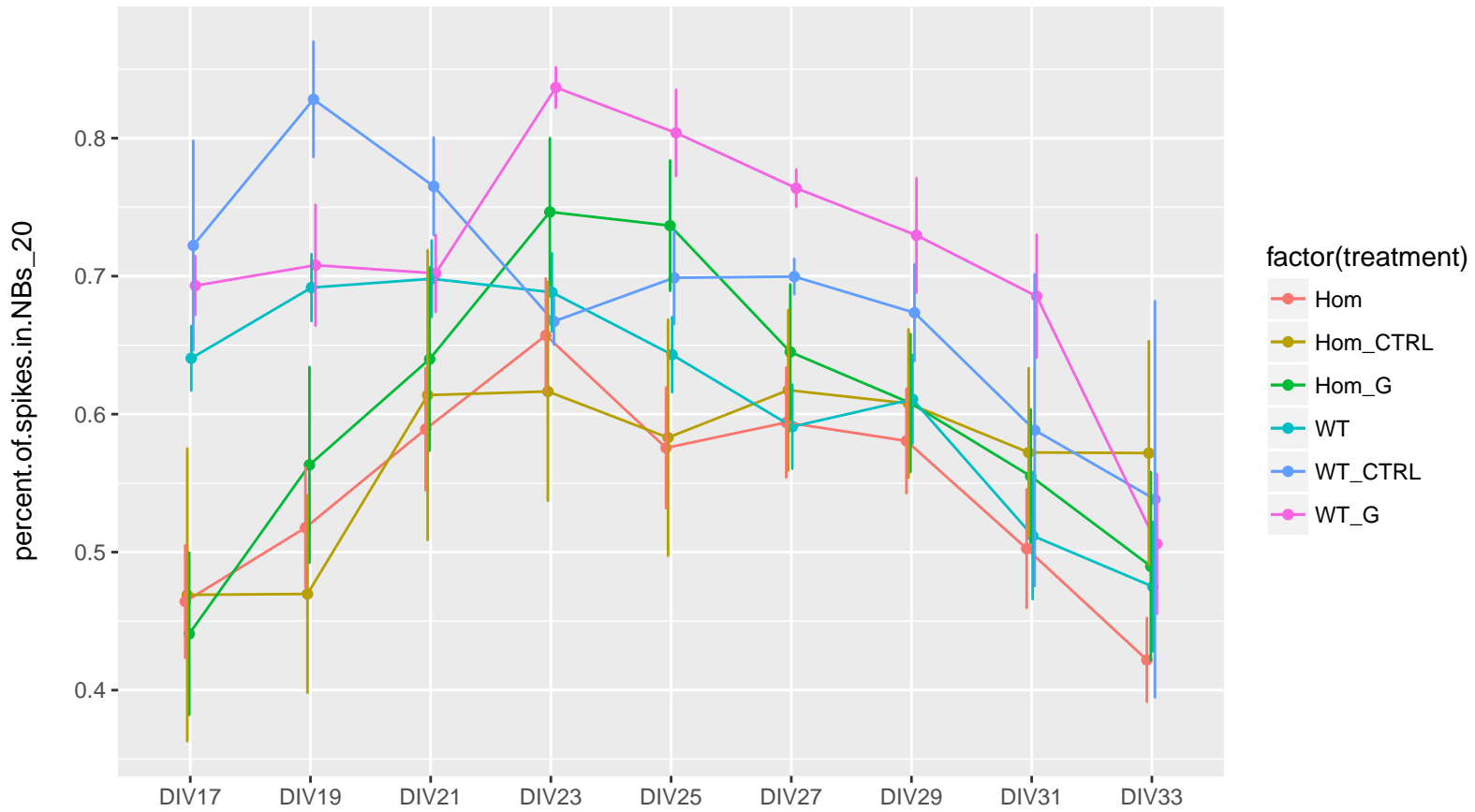

	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.3	0.0606
2	WT vs. Hom_G	0.49	0.219
3	WT vs. WT_G	0.72	0.601
4	WT vs. Hom_CTRL	0.13	0.0114
5	WT vs. WT_CTRL	< 0.01	7.52e−06

Kcnt1Y777H_20170722_500669_total.spikes.in.all.NBs_20
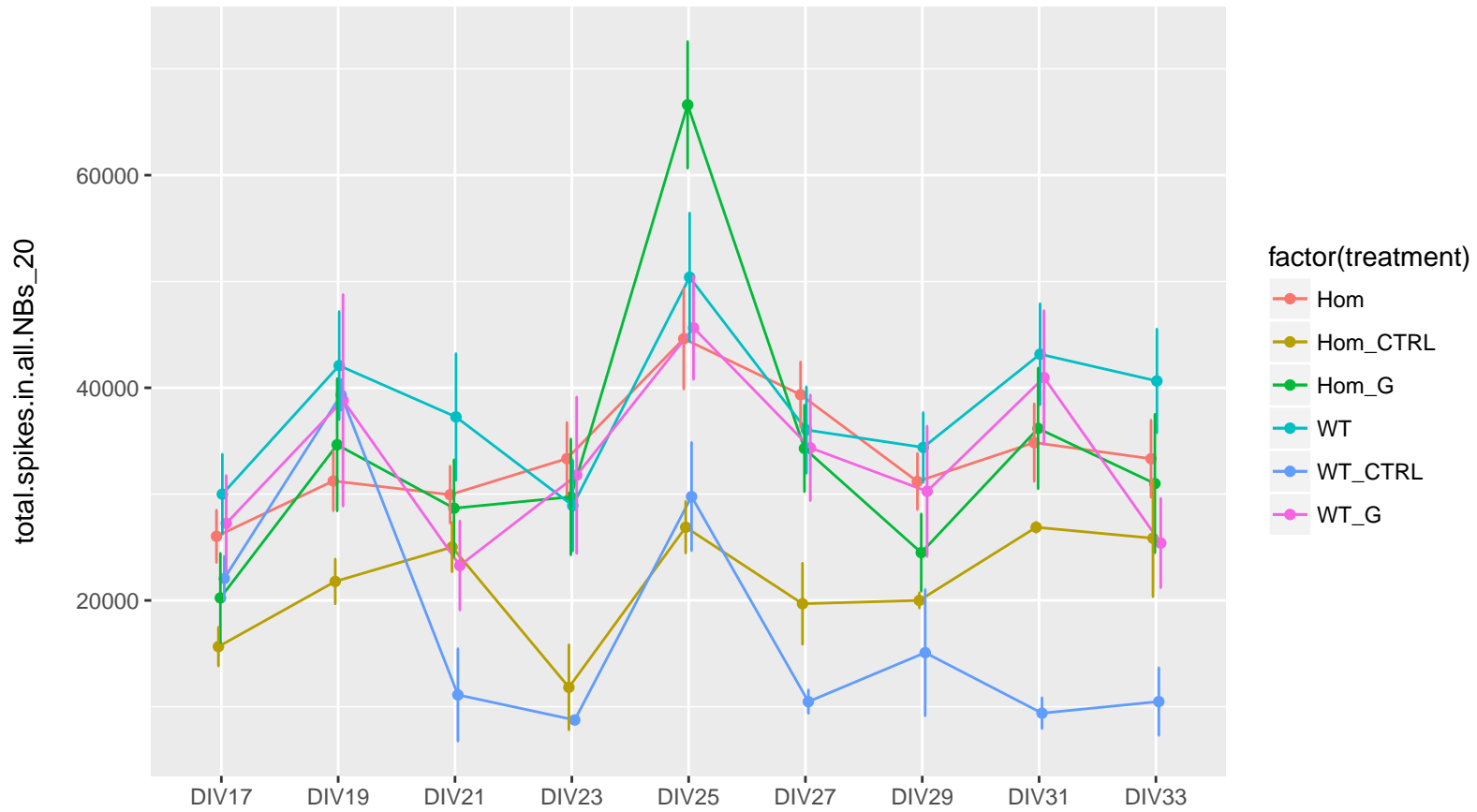
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.53	0.24
2	WT vs. Hom_G	0.5	0.155
3	WT vs. WT_G	0.38	0.163
4	WT vs. Hom_CTRL	< 0.01	3.56e−06
5	WT vs. WT_CTRL	< 0.01	3.16e−08

Kcnt1Y777H_20170722_500669_percent.of.spikes.in.NBs_20

	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.07	0.000148
2	WT vs. Hom_G	0.76	0.486
3	WT vs. WT_G	< 0.01	1.15e−06
4	WT vs. Hom_CTRL	0.24	0.0409
5	WT vs. WT_CTRL	0.07	0.0202

Kcnt1Y777H_20170722_500669_spike.intensity_20
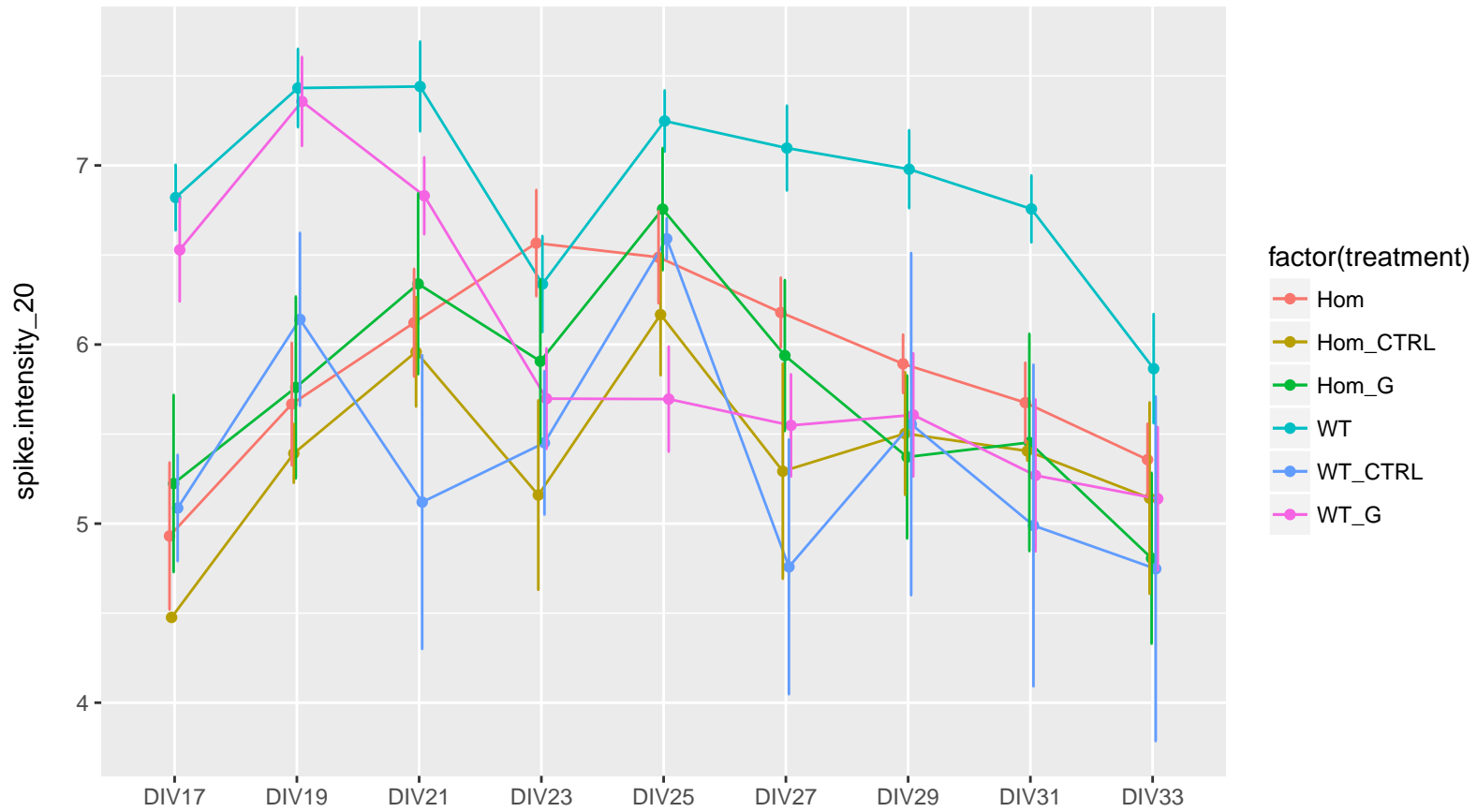
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	< 0.01	1.5e−13
2	WT vs. Hom_G	< 0.01	7.76e−09
3	WT vs. WT_G	< 0.01	7.13e−08
4	WT vs. Hom_CTRL	< 0.01	2.71e−10
5	WT vs. WT_CTRL	< 0.01	9.27e−09

Kcnt1Y777H_20170722_500669_spike.intensity.by.aEs_20
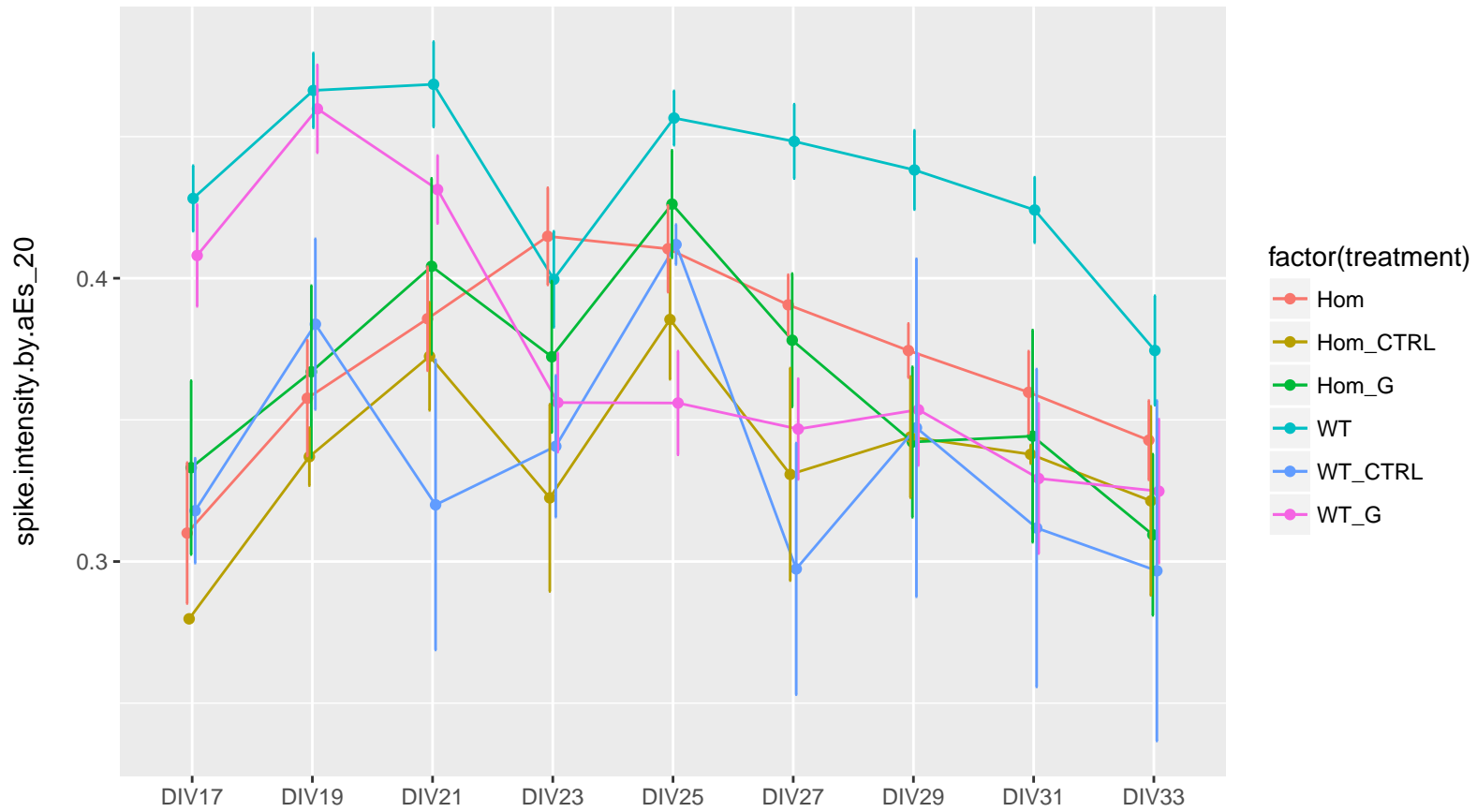
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	< 0.01	8.15e−14
2	WT vs. Hom_G	< 0.01	5.37e−09
3	WT vs. WT_G	< 0.01	2.22e−08
4	WT vs. Hom_CTRL	< 0.01	1.13e−10
5	WT vs. WT_CTRL	< 0.01	2.4e−09

Kcnt1Y777H_20170722_500669_total.spikes.in.all.NBs,nNB_20
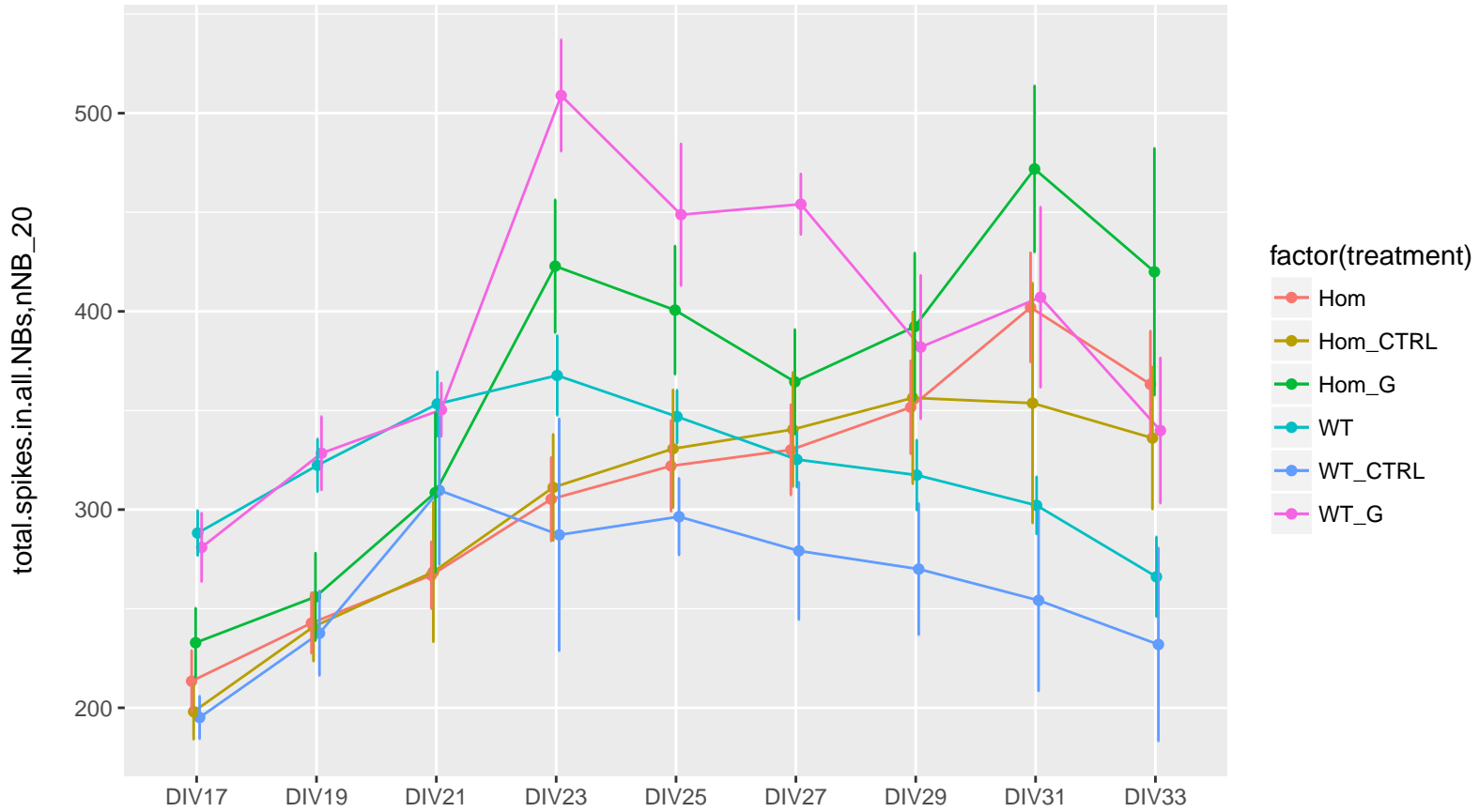
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.47	0.14
2	WT vs. Hom_G	0.21	0.0228
3	WT vs. WT_G	< 0.01	1.07e−05
4	WT vs. Hom_CTRL	0.59	0.329
5	WT vs. WT_CTRL	0.03	0.000113

Kcnt1Y777H_20170722_500669_[total.spikes.in.all.NBs,nNB],nAE_20
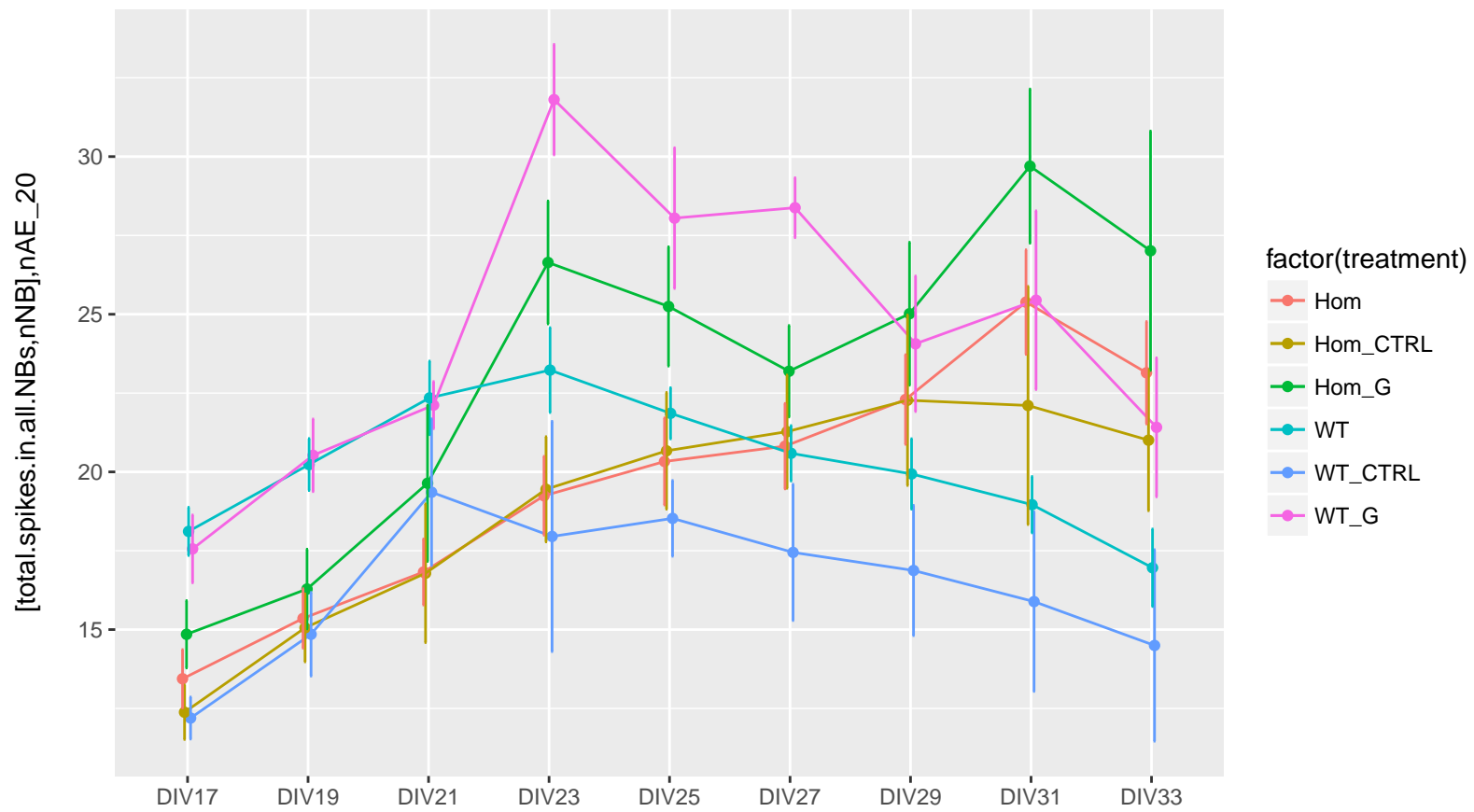
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.4	0.193
2	WT vs. Hom_G	0.12	0.00818
3	WT vs. WT_G	0.01	1.33e−05
4	WT vs. Hom_CTRL	0.47	0.254
5	WT vs. WT_CTRL	0.01	6.58e−05

Kcnt1Y777H_20170722_500669_mean[spikes.in.NB,nAE]_20
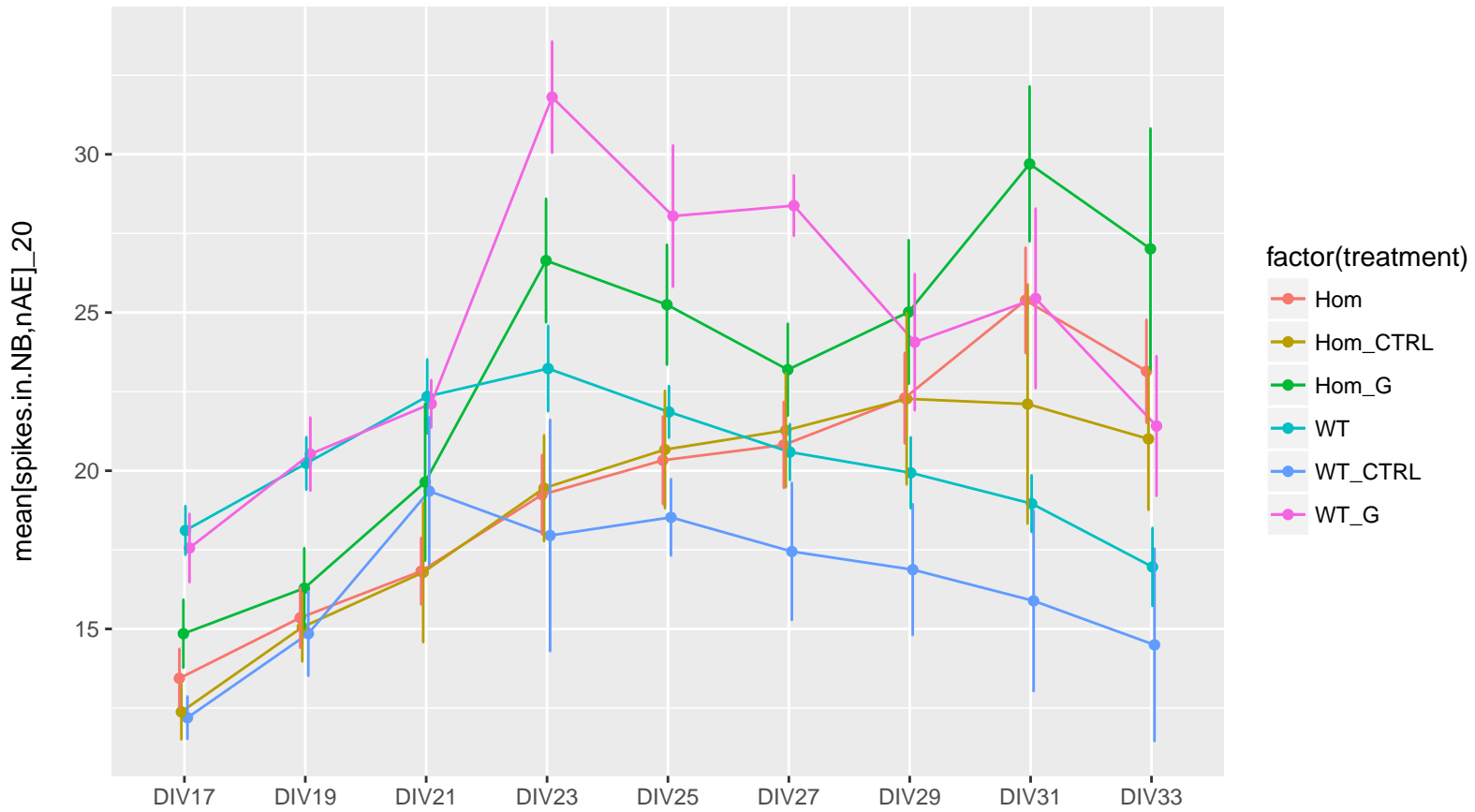
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.47	0.193
2	WT vs. Hom_G	0.1	0.00818
3	WT vs. WT_G	< 0.01	1.33e−05
4	WT vs. Hom_CTRL	0.49	0.254
5	WT vs. WT_CTRL	0.02	6.58e−05

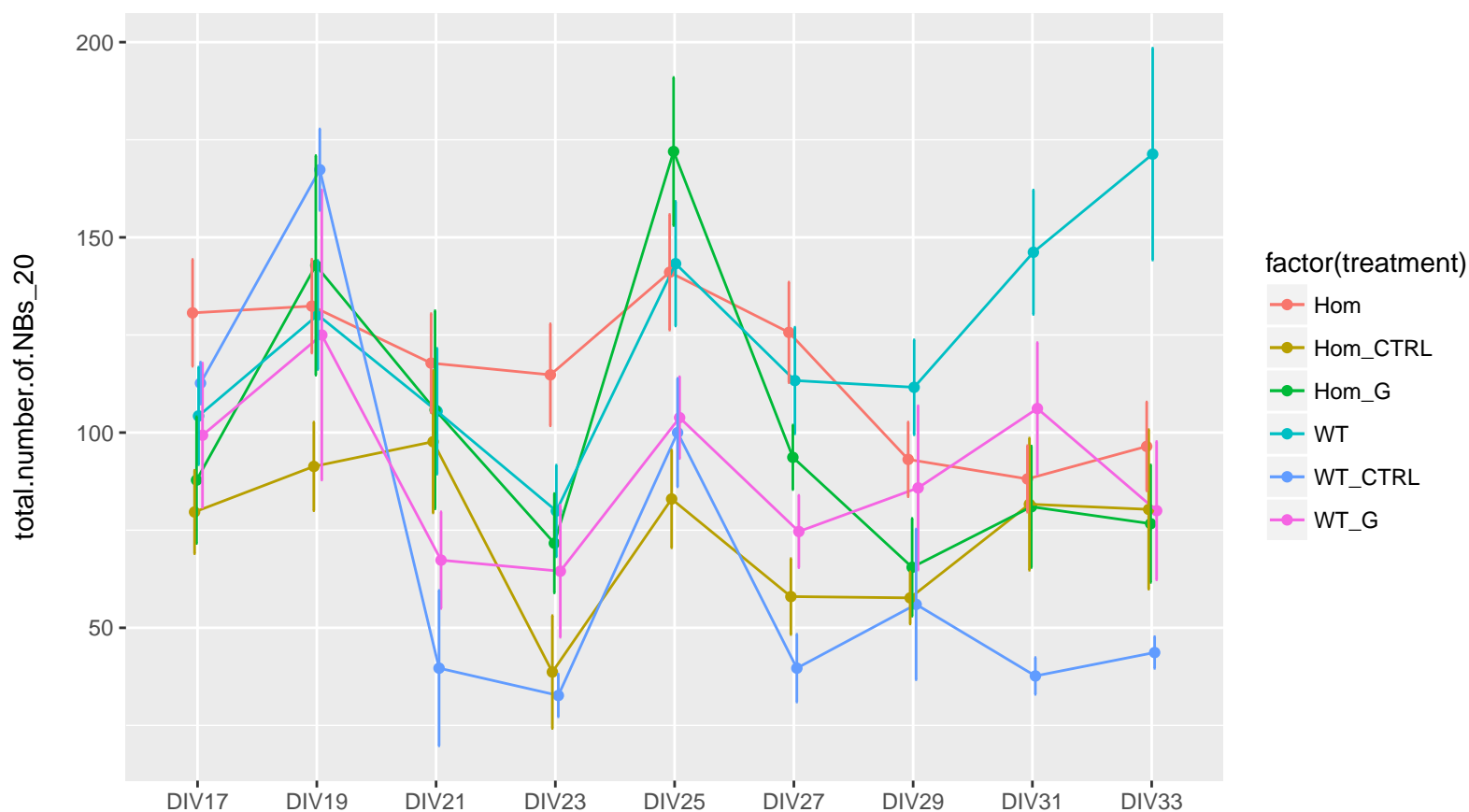Kcnt1Y777H_20170722_500669_mean[spikes.in.NB,nAE,NB.duration]_20
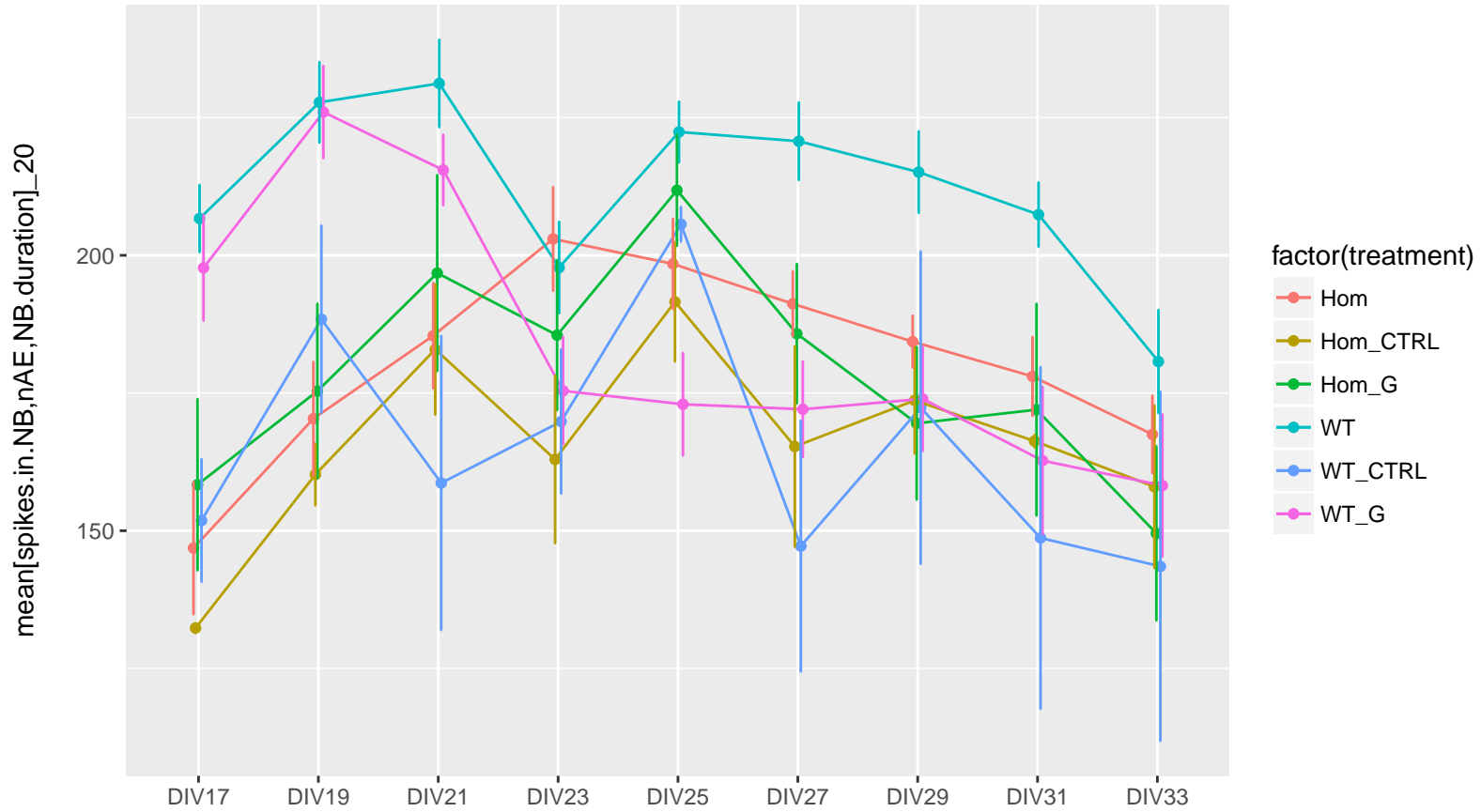
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	< 0.01	5.32e−13
2	WT vs. Hom_G	< 0.01	7.01e−08
3	WT vs. WT_G	< 0.01	2.13e−07
4	WT vs. Hom_CTRL	< 0.01	4.44e−10
5	WT vs. WT_CTRL	< 0.01	1.94e−08

Kcnt1Y777H_20170722_500669_mean[spikes.in.NB]_20
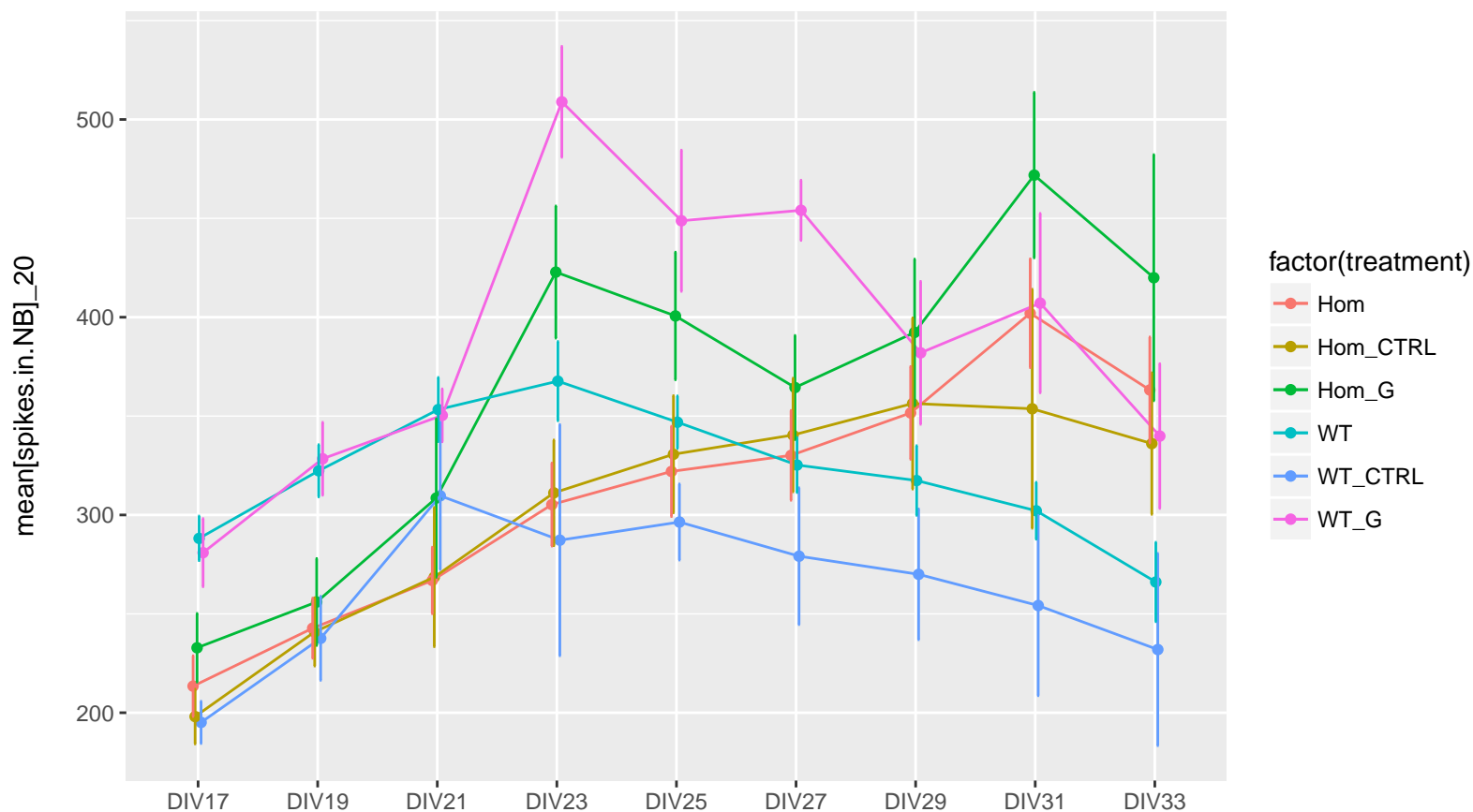
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.53	0.14
2	WT vs. Hom_G	0.14	0.0228
3	WT vs. WT_G	< 0.01	1.07e−05
4	WT vs. Hom_CTRL	0.58	0.329
5	WT vs. WT_CTRL	< 0.01	0.000113

Kcnt1Y777H_20170722_500669_total.number.of.NBs_20

	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.83	0.688
2	WT vs. Hom_G	0.1	0.0164
3	WT vs. WT_G	0.08	0.000743
4	WT vs. Hom_CTRL	0.04	8.56e-05
5	WT vs. WT_CTRL	0.01	1.68e-05

Kcnt1Y777H_20170722_500669_mean.NB.time.per.sec_50
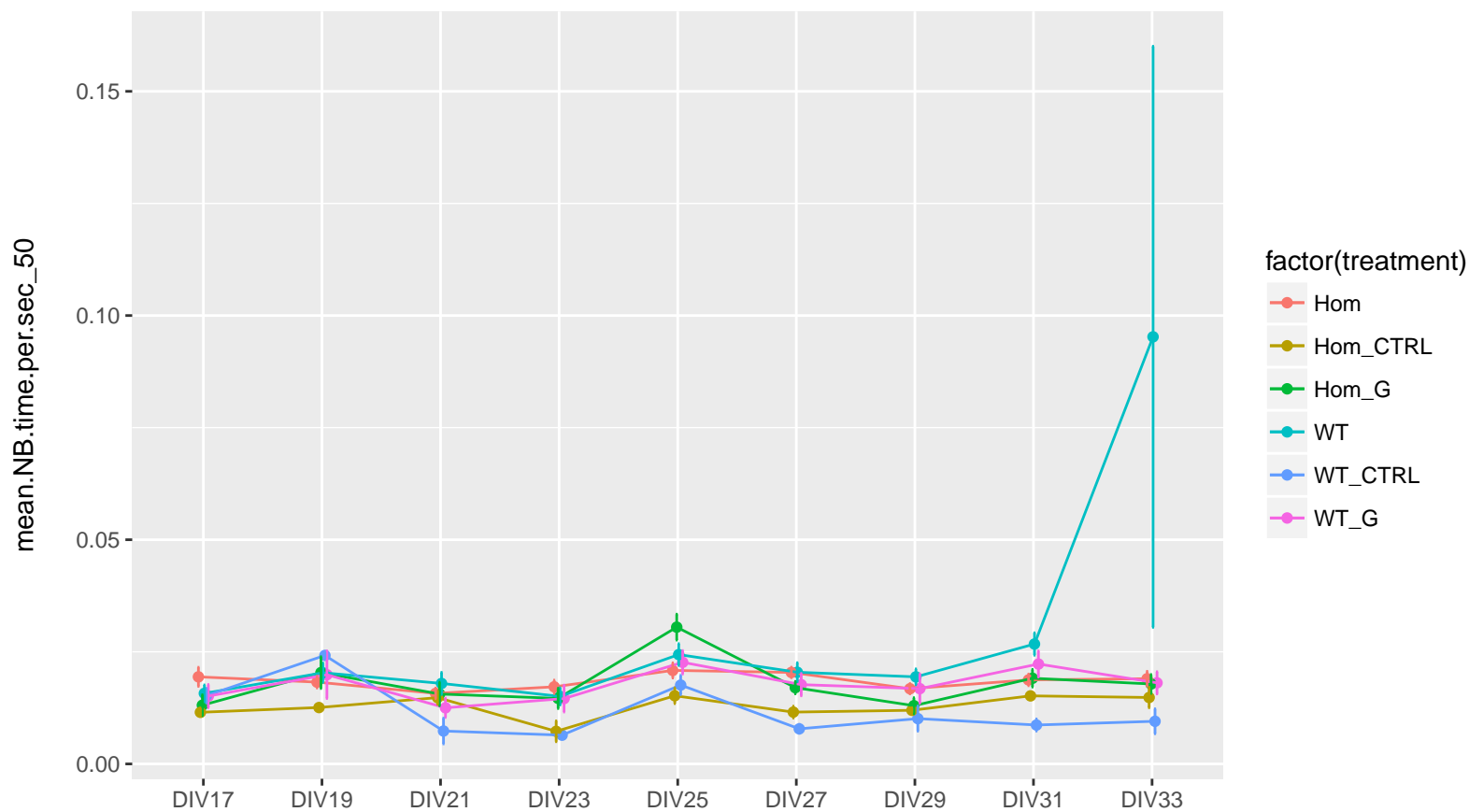
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.51	0.259
2	WT vs. Hom_G	0.26	0.0832
3	WT vs. WT_G	0.38	0.11
4	WT vs. Hom_CTRL	0.02	1.57e−05
5	WT vs. WT_CTRL	0.01	2.83e−06

Kcnt1Y777H_20170722_500669_total.spikes.in.all.NBs_50
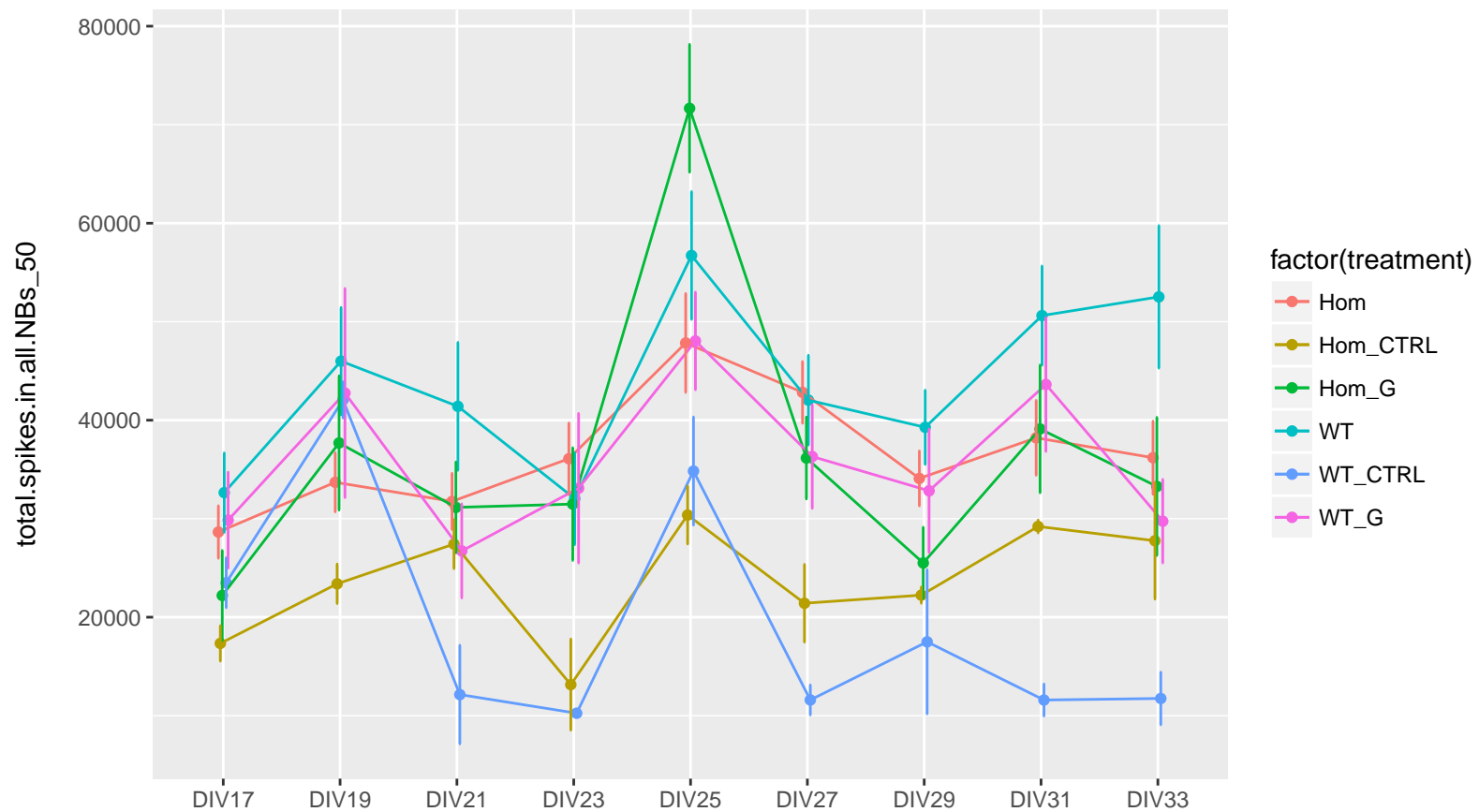
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.3	0.0338
2	WT vs. Hom_G	0.32	0.0332
3	WT vs. WT_G	0.29	0.0548
4	WT vs. Hom_CTRL	< 0.01	1.13e−06
5	WT vs. WT_CTRL	0.01	1.43e−08

Kcnt1Y777H_20170722_500669_percent.of.spikes.in.NBs_50
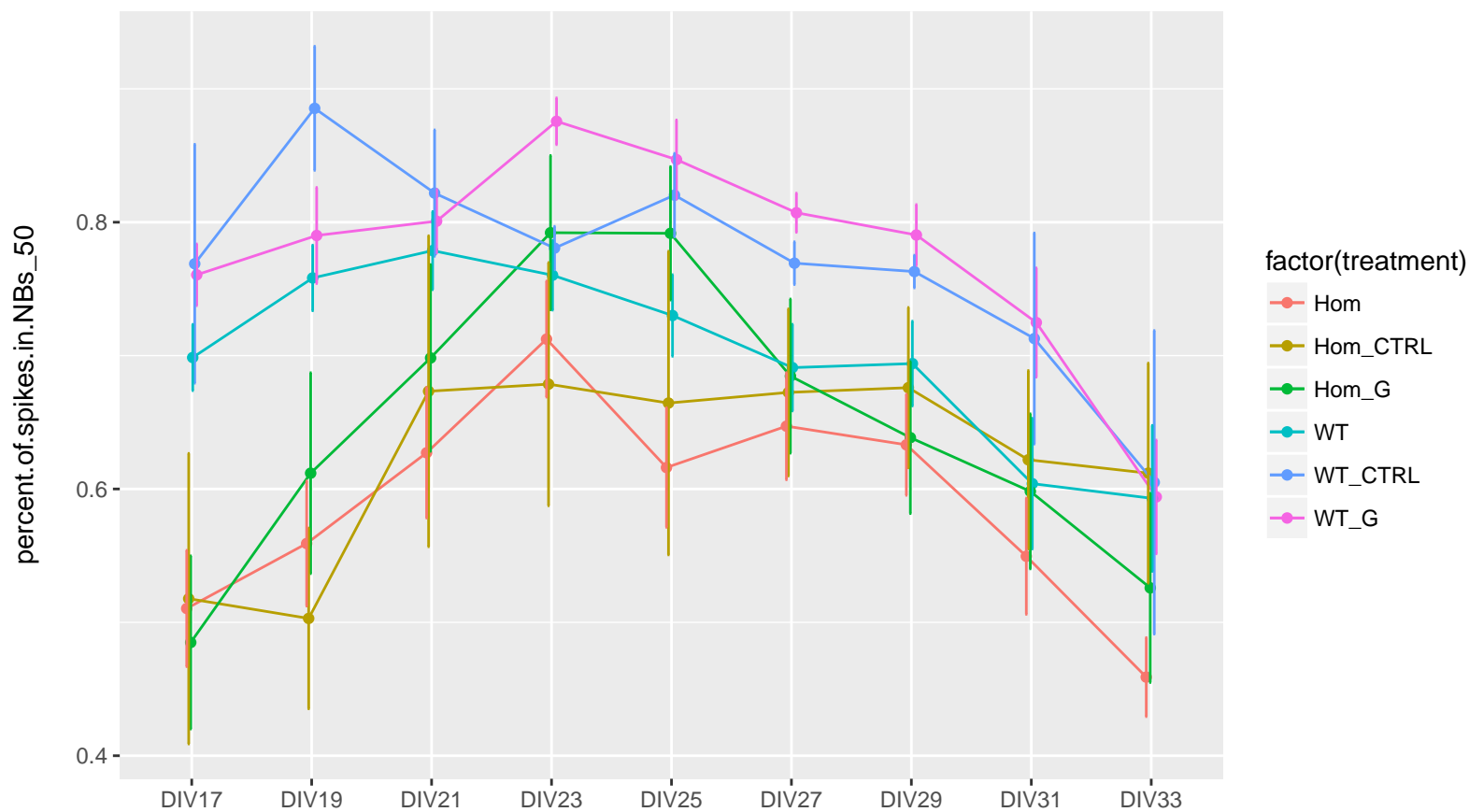
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	< 0.01	2.75e−08
2	WT vs. Hom_G	0.3	0.0465
3	WT vs. WT_G	0.04	0.000375
4	WT vs. Hom_CTRL	0.07	0.00477
5	WT vs. WT_CTRL	0.17	0.0156

Kcnt1Y777H_20170722_500669_spike.intensity_50
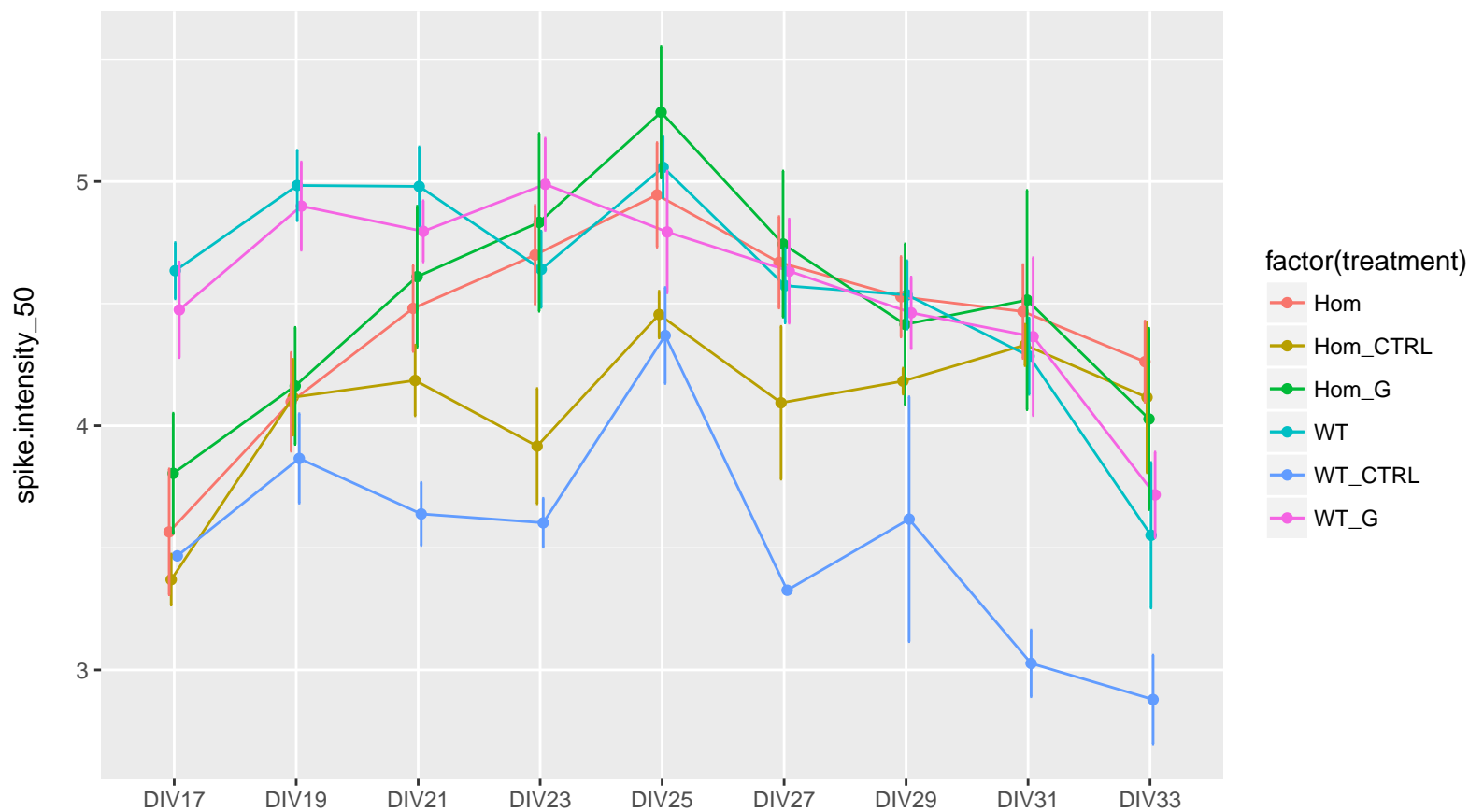
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.33	0.0479
2	WT vs. Hom_G	0.63	0.419
3	WT vs. WT_G	0.81	0.699
4	WT vs. Hom_CTRL	< 0.01	3.1e−05
5	WT vs. WT_CTRL	< 0.01	2.88e−10

Kcnt1Y777H_20170722_500669_spike.intensity.by.aEs_50
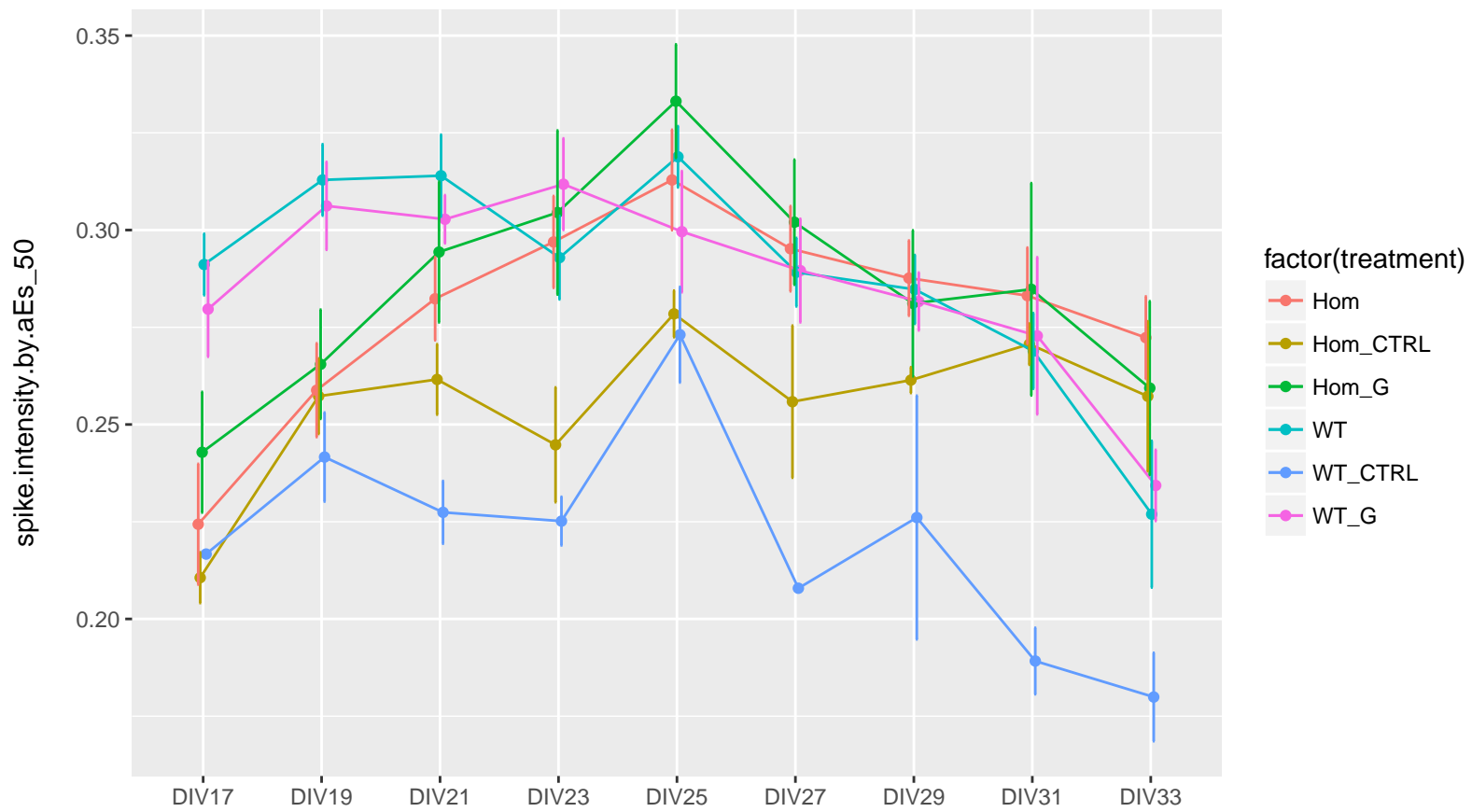
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.34	0.0988
2	WT vs. Hom_G	0.76	0.599
3	WT vs. WT_G	0.7	0.593
4	WT vs. Hom_CTRL	0.03	1.04e−05
5	WT vs. WT_CTRL	< 0.01	1.13e−10

Kcnt1Y777H_20170722_500669_total.spikes.in.all.NBs,nNB_50
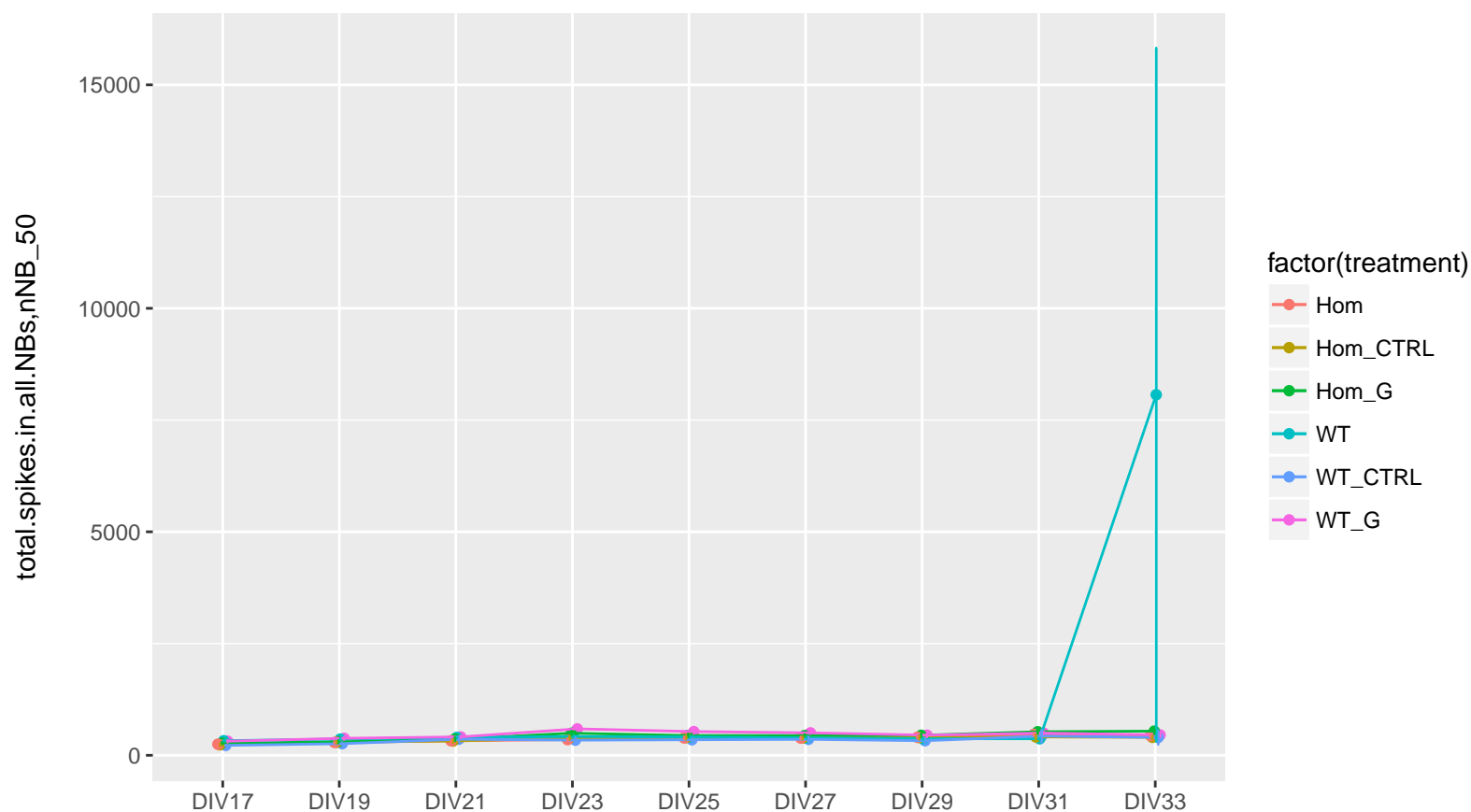
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.52	0.234
2	WT vs. Hom_G	0.14	0.0065
3	WT vs. WT_G	< 0.01	7.01e−07
4	WT vs. Hom_CTRL	0.58	0.401
5	WT vs. WT_CTRL	0.11	0.00224

Kcnt1Y777H_20170722_500669_[total.spikes.in.all.NBs,nNB],nAE_50
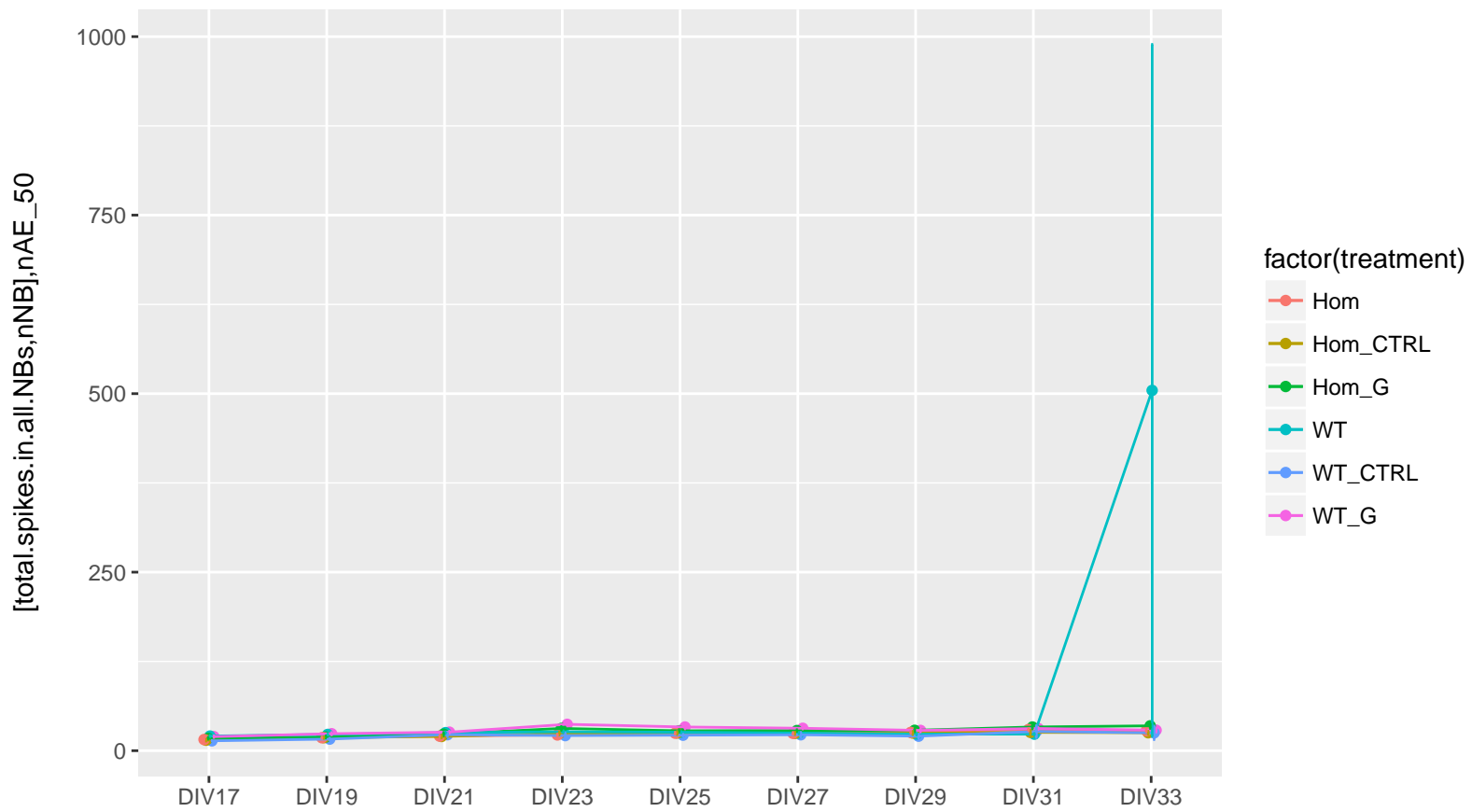
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.65	0.313
2	WT vs. Hom_G	0.07	0.00299
3	WT vs. WT_G	< 0.01	8.92e−07
4	WT vs. Hom_CTRL	0.61	0.329
5	WT vs. WT_CTRL	0.1	0.00163

Kcnt1Y777H_20170722_500669_mean[spikes.in.NB,nAE]_50
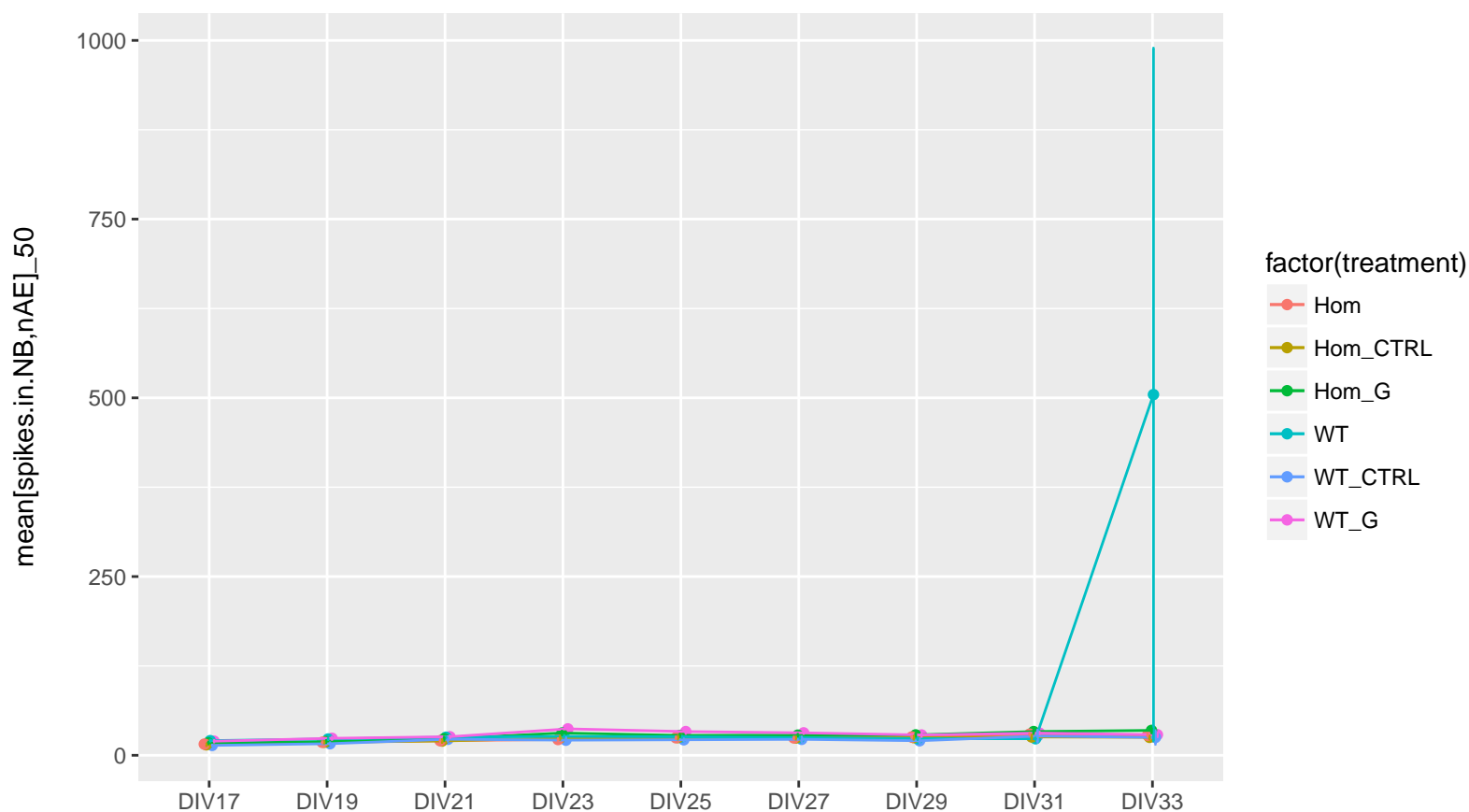
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.62	0.313
2	WT vs. Hom_G	0.12	0.00299
3	WT vs. WT_G	< 0.01	8.92e−07
4	WT vs. Hom_CTRL	0.59	0.329
5	WT vs. WT_CTRL	0.08	0.00163

Kcnt1Y777H_20170722_500669_mean[spikes.in.NB,nAE,NB.duration]_50
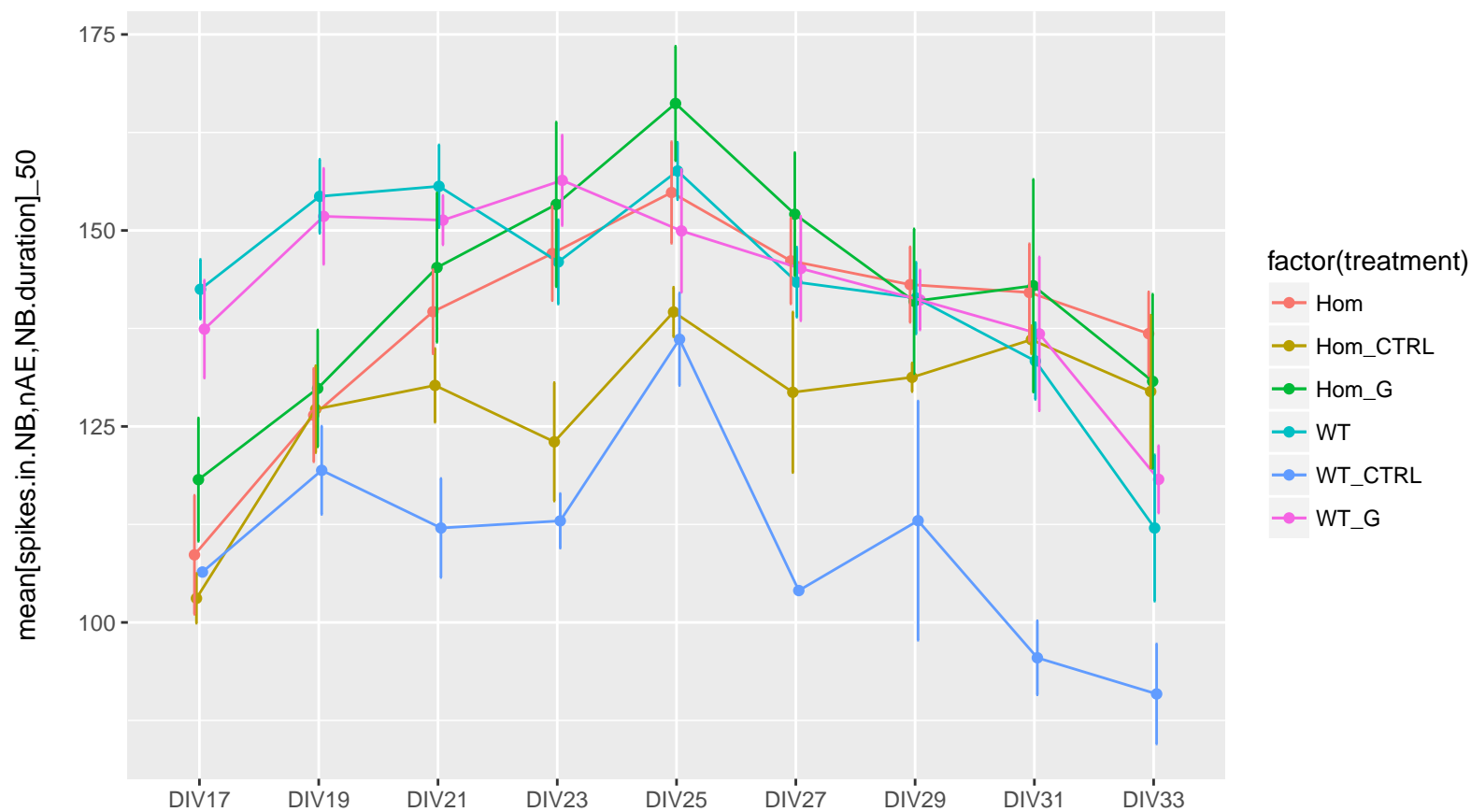
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.38	0.12
2	WT vs. Hom_G	0.86	0.838
3	WT vs. WT_G	0.87	0.817
4	WT vs. Hom_CTRL	< 0.01	7.66e−05
5	WT vs. WT_CTRL	< 0.01	2.03e−10

Kcnt1Y777H_20170722_500669_mean[spikes.in.NB]_50
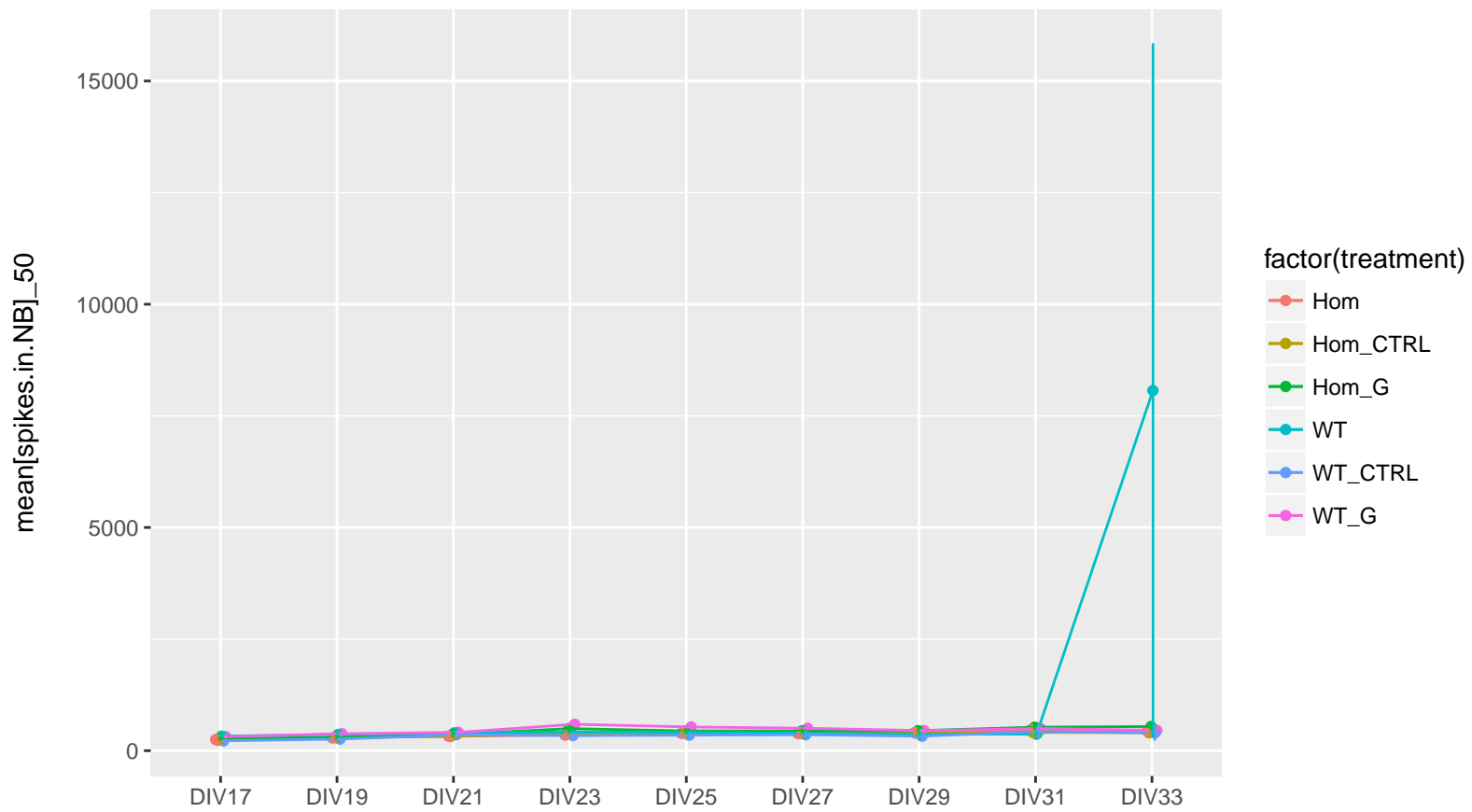
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.5	0.234
2	WT vs. Hom_G	0.12	0.0065
3	WT vs. WT_G	0.01	7.01e−07
4	WT vs. Hom_CTRL	0.66	0.401
5	WT vs. WT_CTRL	0.11	0.00224

Kcnt1Y777H_20170722_500669_total.number.of.NBs_50
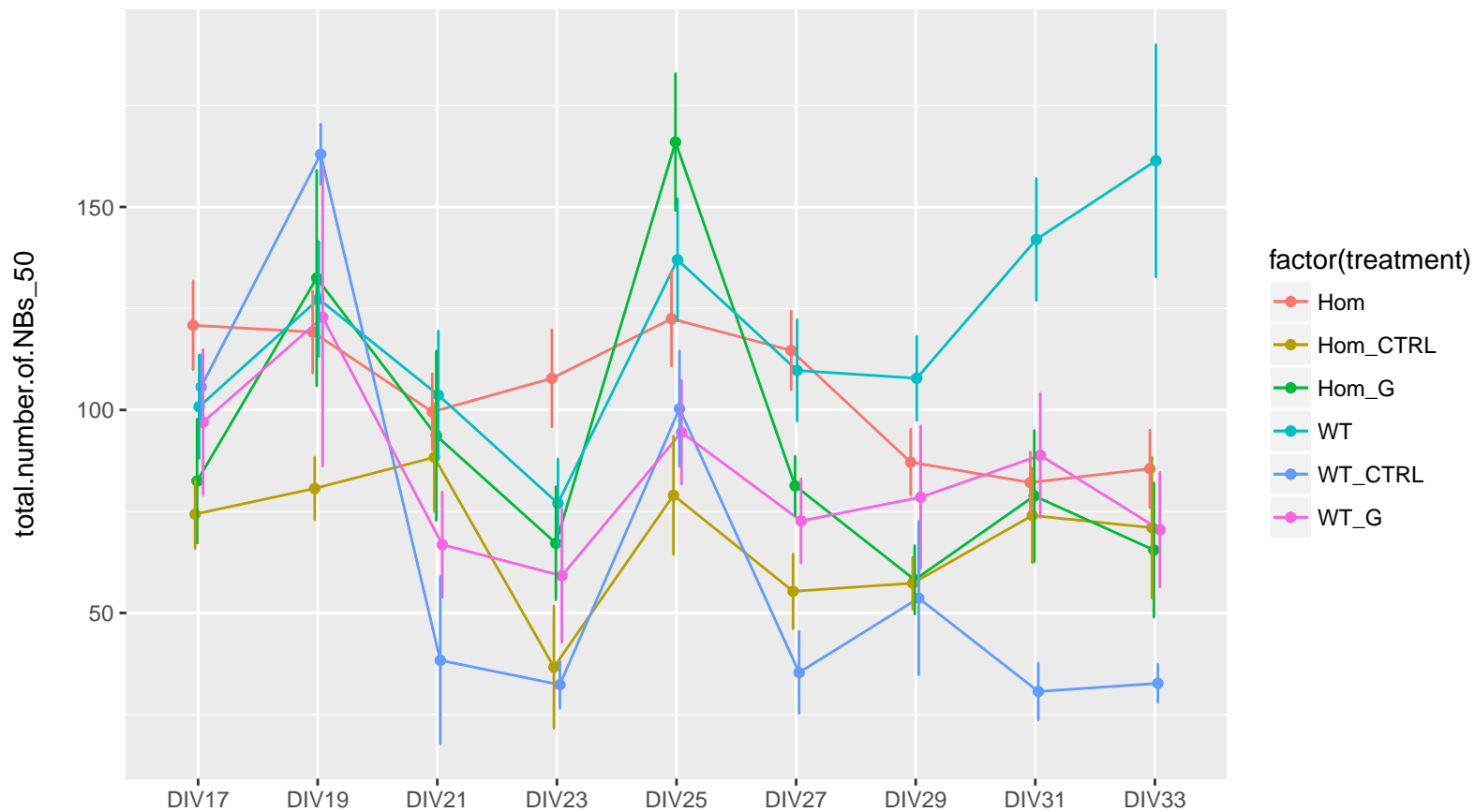
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.45	0.217
2	WT vs. Hom_G	0.06	0.00301
3	WT vs. WT_G	0.04	0.000137
4	WT vs. Hom_CTRL	0.04	1.12e−05
5	WT vs. WT_CTRL	0.02	1.58e−05

Kcnt1Y777H_20170722_500669_mean.NB.time.per.sec_200
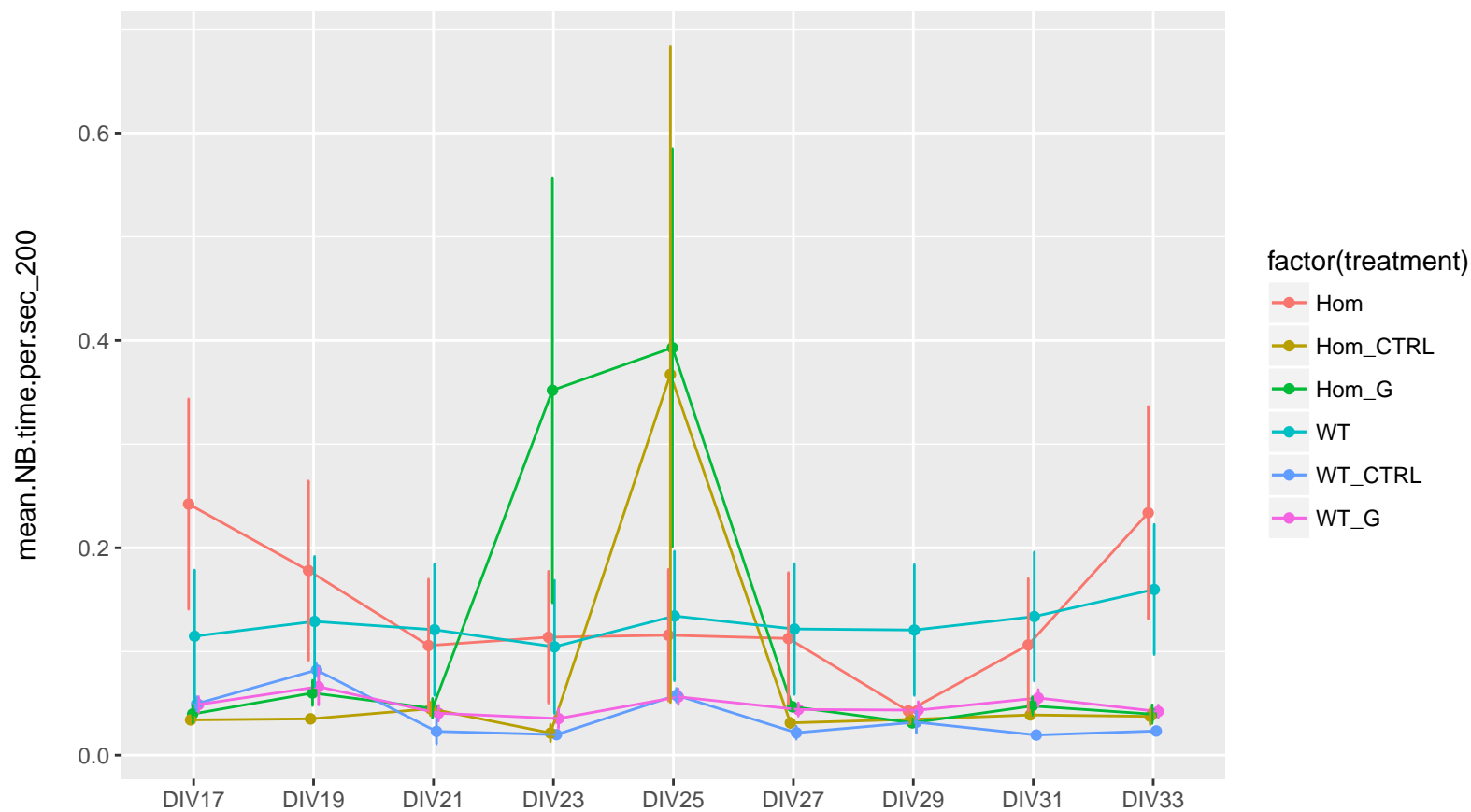
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.03	0.000547
2	WT vs. Hom_G	0.08	0.000943
3	WT vs. WT_G	0.06	0.000235
4	WT vs. Hom_CTRL	0.01	2.53e−06
5	WT vs. WT_CTRL	0.02	3.02e−06

Kcnt1Y777H_20170722_500669_total.spikes.in.all.NBs_200
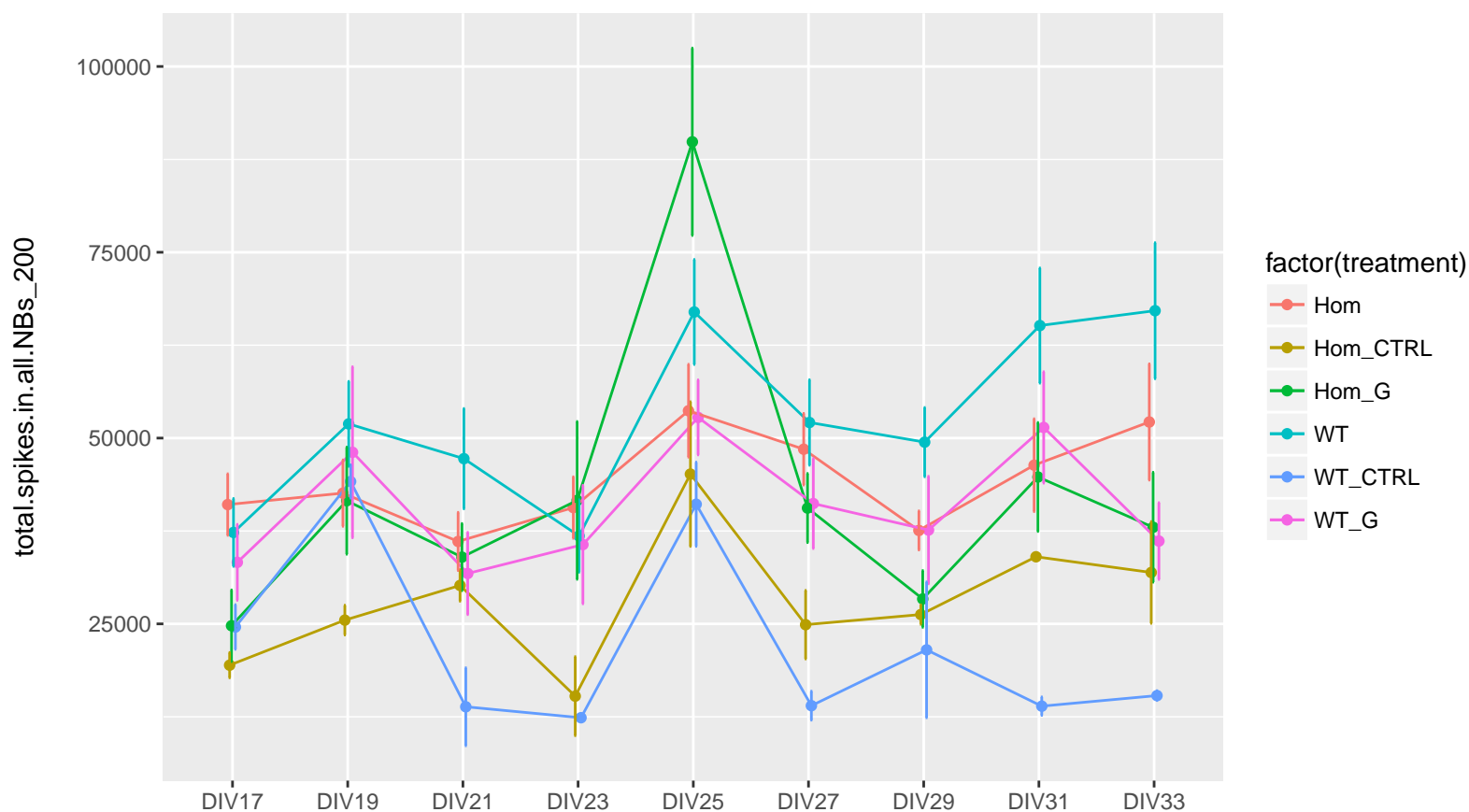
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.17	0.00769
2	WT vs. Hom_G	0.16	0.00527
3	WT vs. WT_G	0.18	0.00915
4	WT vs. Hom_CTRL	0.01	3.38e−07
5	WT vs. WT_CTRL	< 0.01	1.42e−09

Kcnt1Y777H_20170722_500669_percent.of.spikes.in.NBs_200
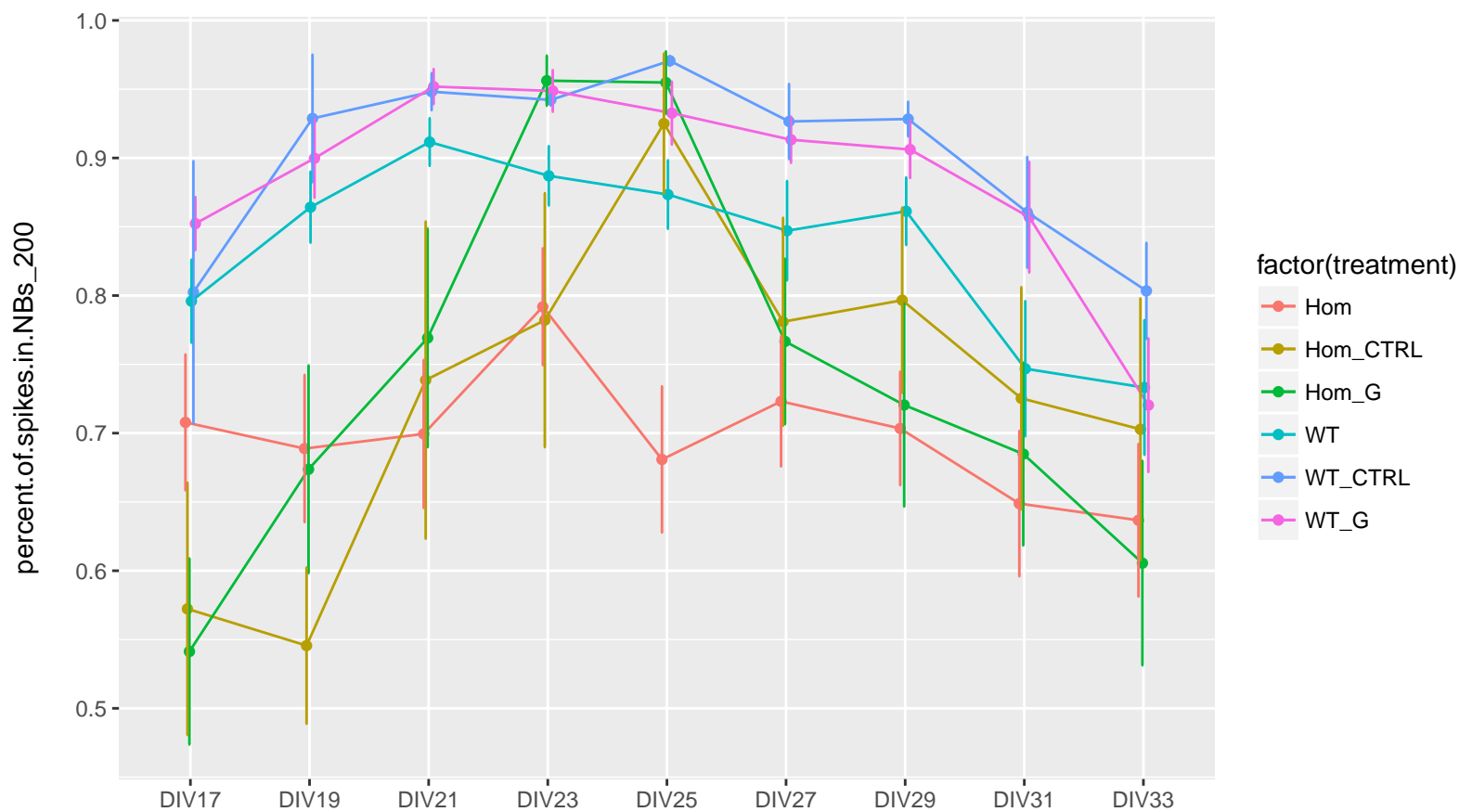
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	< 0.01	9.61e−10
2	WT vs. Hom_G	0.15	0.00573
3	WT vs. WT_G	0.25	0.0169
4	WT vs. Hom_CTRL	0.06	0.00174
5	WT vs. WT_CTRL	0.25	0.0123

Kcnt1Y777H_20170722_500669_spike.intensity_200
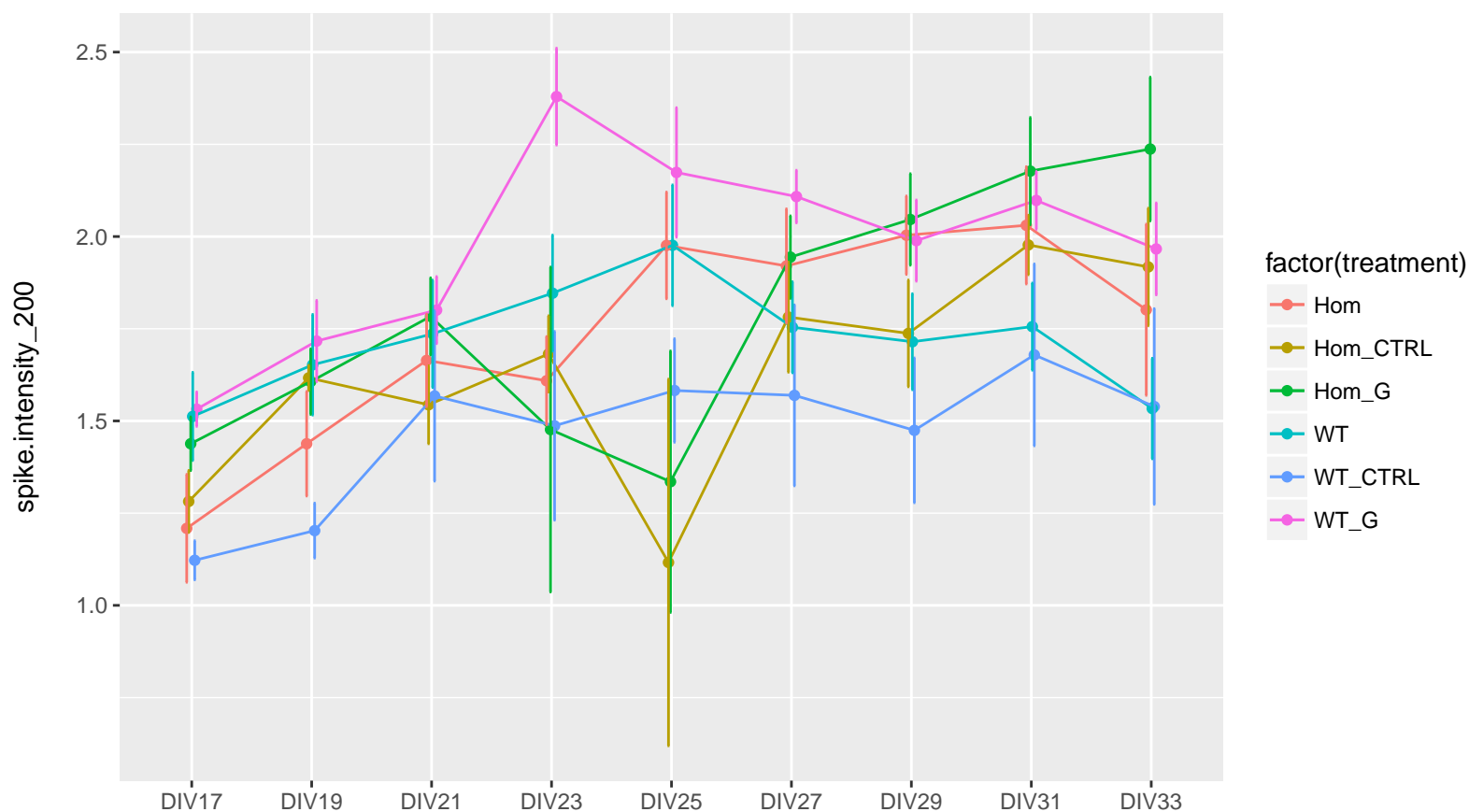
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.67	0.446
2	WT vs. Hom_G	0.67	0.318
3	WT vs. WT_G	0.16	0.0024
4	WT vs. Hom_CTRL	0.49	0.102
5	WT vs. WT_CTRL	0.16	0.000335

Kcnt1Y777H_20170722_500669_spike.intensity.by.aEs_200
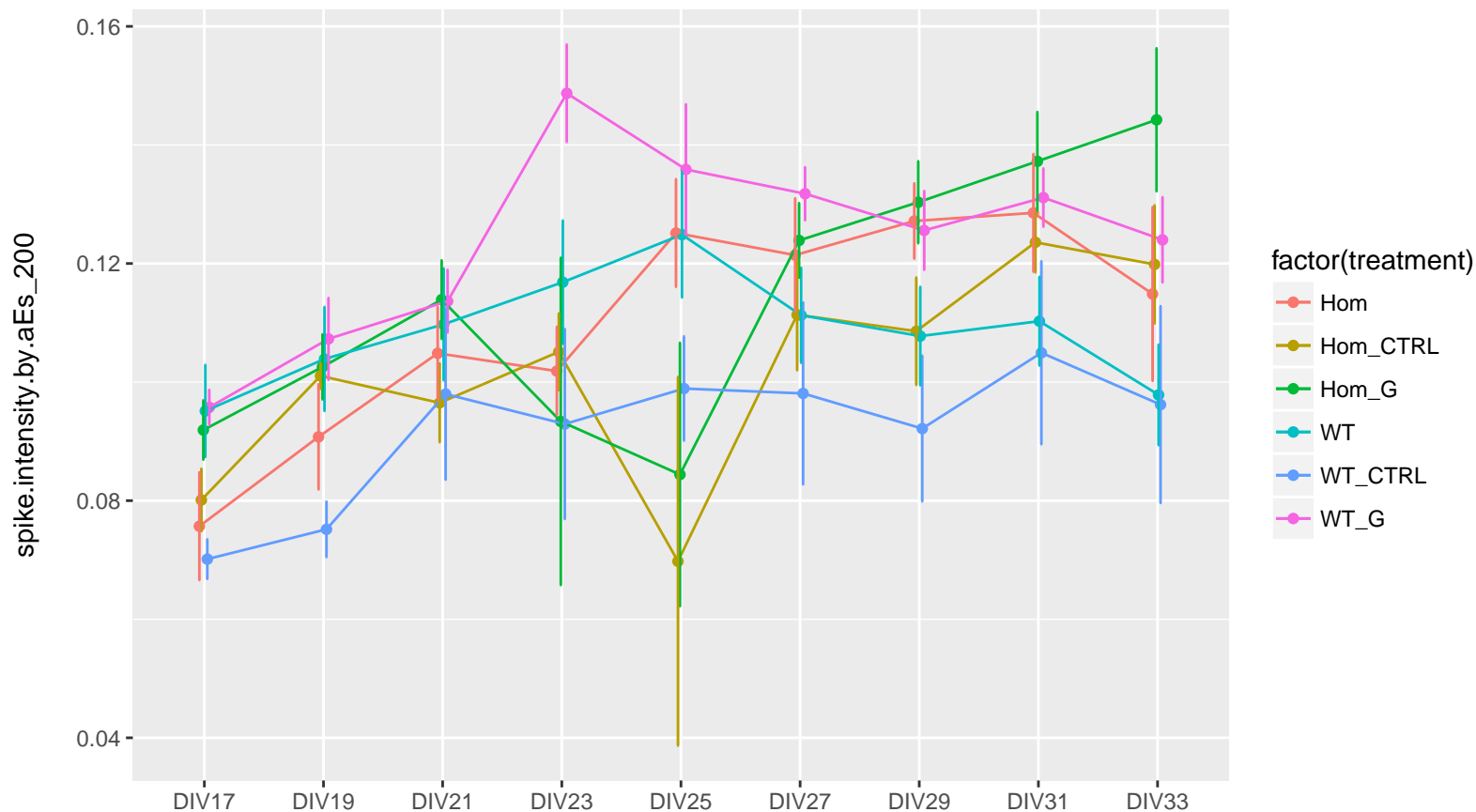
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.59	0.299
2	WT vs. Hom_G	0.59	0.179
3	WT vs. WT_G	0.16	0.00383
4	WT vs. Hom_CTRL	0.4	0.0804
5	WT vs. WT_CTRL	0.1	0.000254

Kcnt1Y777H_20170722_500669_total.spikes.in.all.NBs,nNB_200
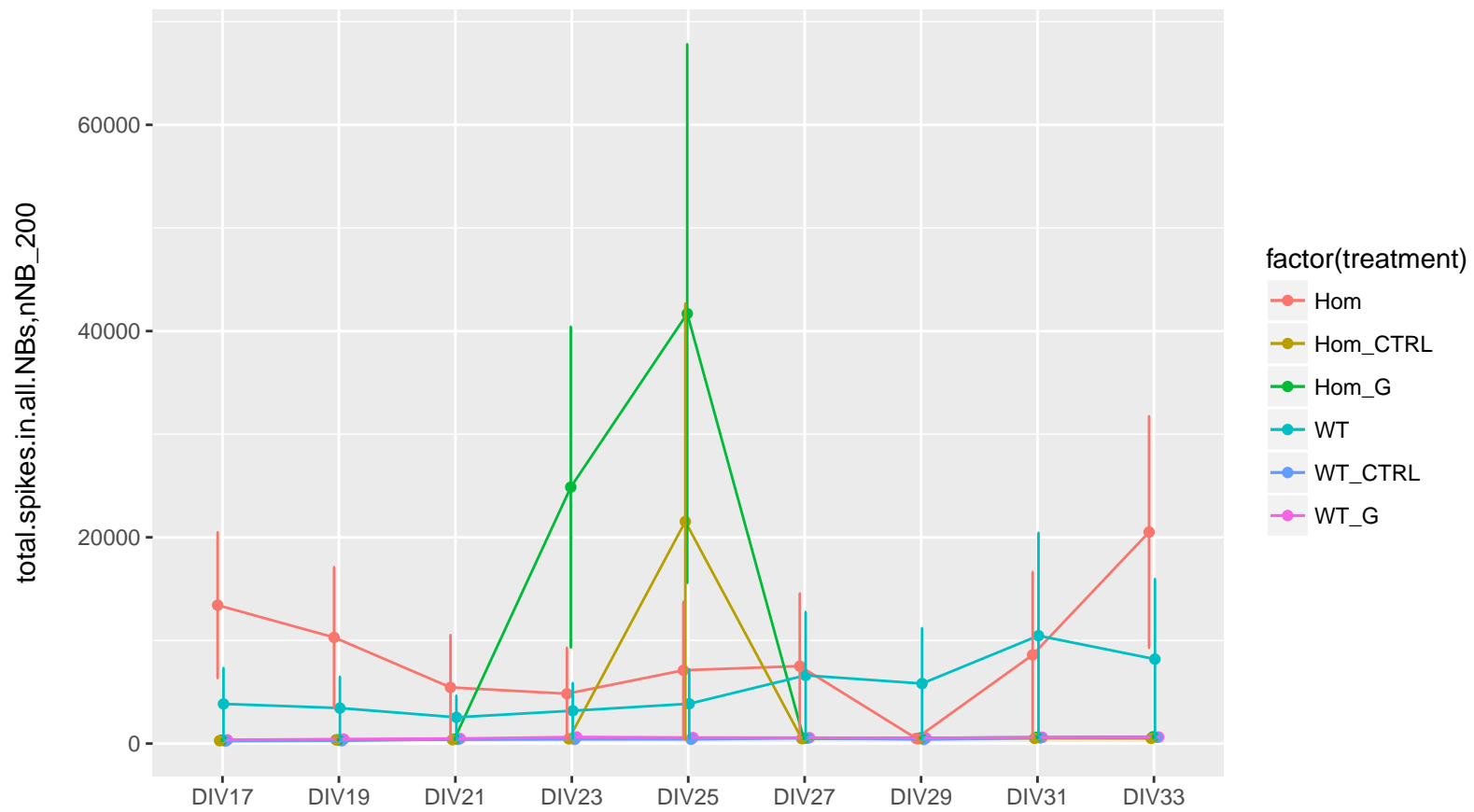
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.65	0.452
2	WT vs. Hom_G	0.48	0.189
3	WT vs. WT_G	0.24	0.00233
4	WT vs. Hom_CTRL	0.39	0.0622
5	WT vs. WT_CTRL	0.31	0.0211

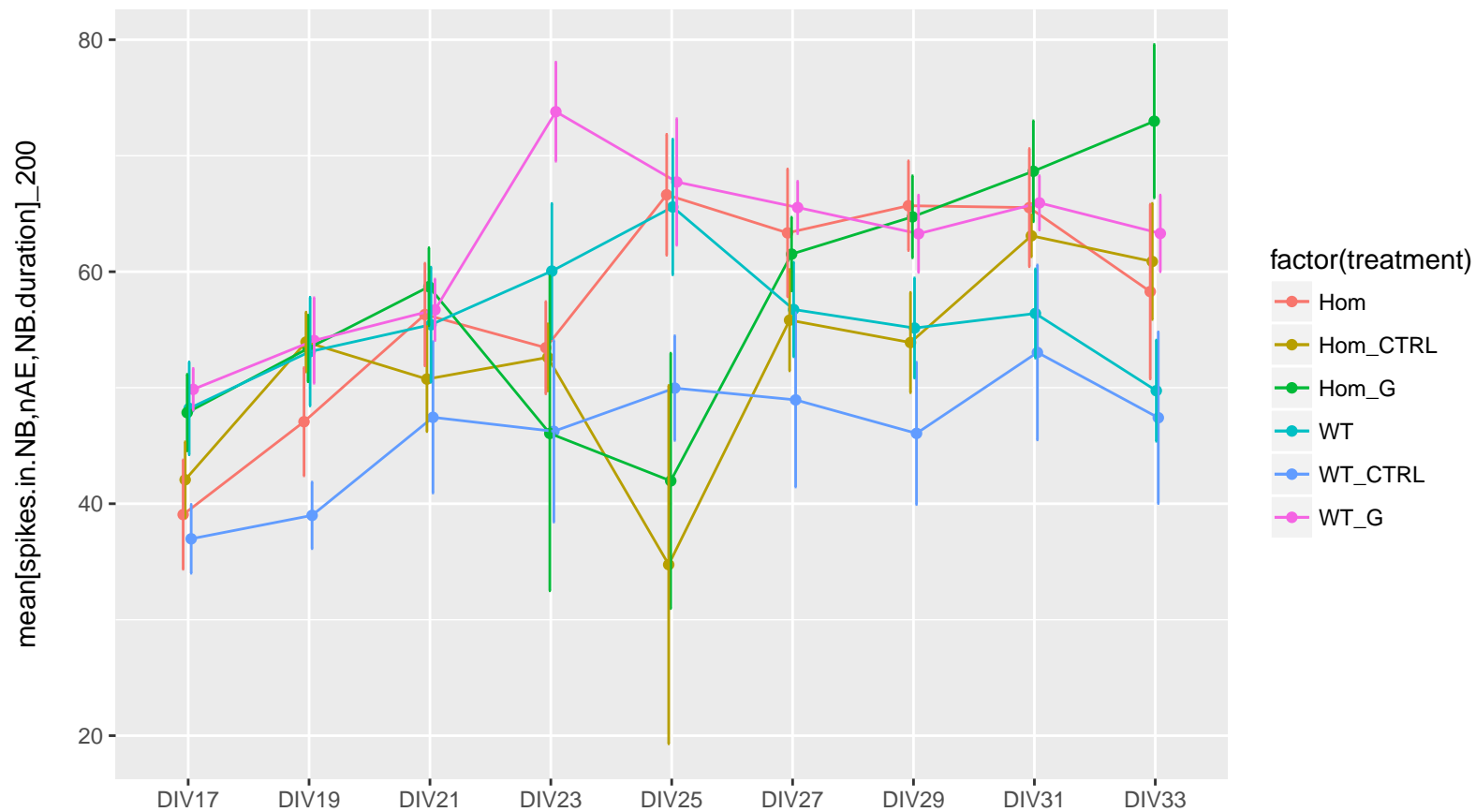# Kcnt1Y777H_20170722_500669_[total.spikes.in.all.NBs,nNB],nAE_200
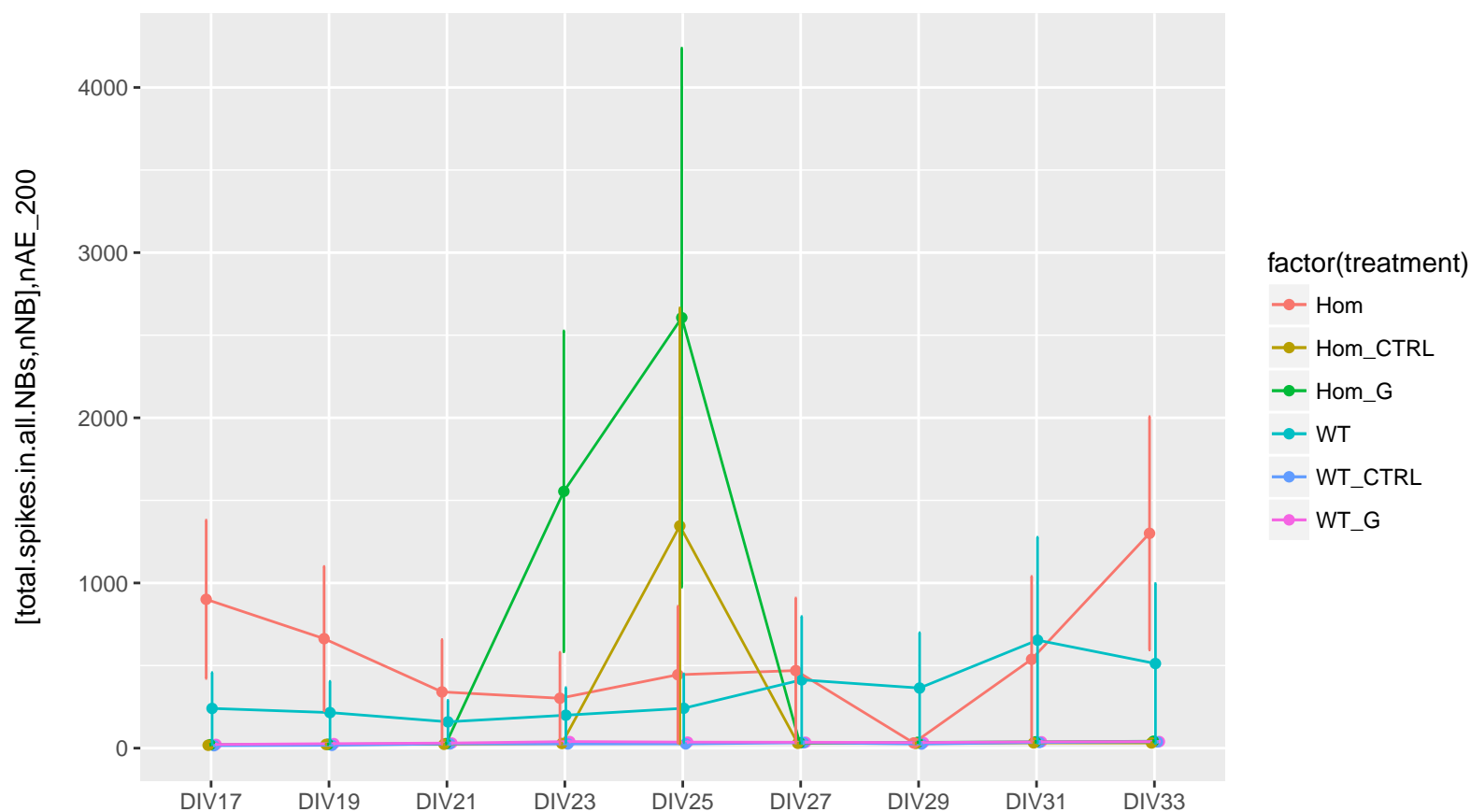
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.73	0.552
2	WT vs. Hom_G	0.53	0.128
3	WT vs. WT_G	0.17	0.00365
4	WT vs. Hom_CTRL	0.34	0.0485
5	WT vs. WT_CTRL	0.19	0.0158

Kcnt1Y777H_20170722_500669_mean[spikes.in.NB,nAE]_200
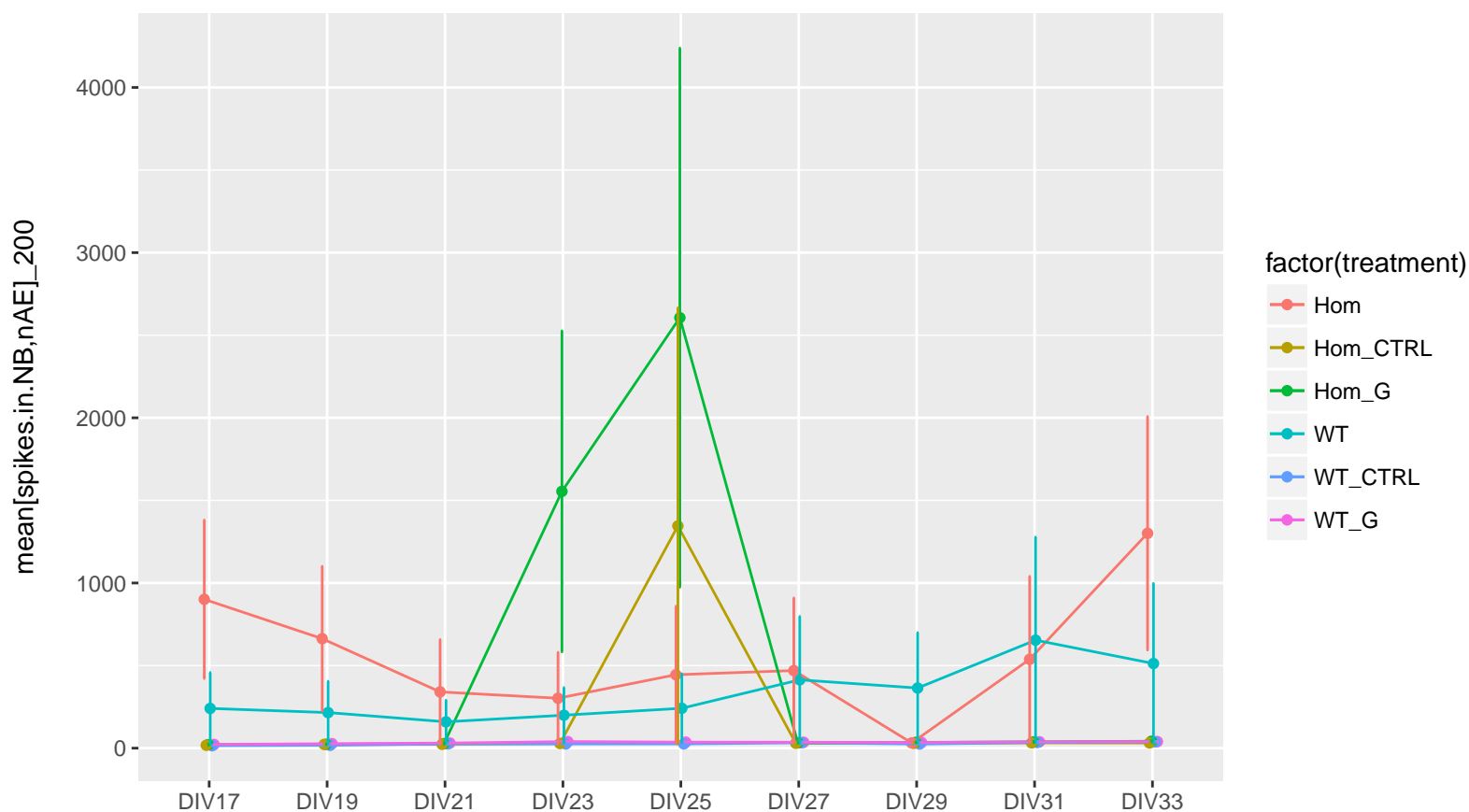
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.76	0.552
2	WT vs. Hom_G	0.43	0.128
3	WT vs. WT_G	0.18	0.00365
4	WT vs. Hom_CTRL	0.4	0.0485
5	WT vs. WT_CTRL	0.23	0.0158

Kcnt1Y777H_20170722_500669_mean[spikes.in.NB,nAE,NB.duration]_200

	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.52	0.116
2	WT vs. Hom_G	0.58	0.249
3	WT vs. WT_G	0.3	0.00847
4	WT vs. Hom_CTRL	0.5	0.118
5	WT vs. WT_CTRL	0.1	8.25e−05

Kcnt1Y777H_20170722_500669_mean[spikes.in.NB]_200
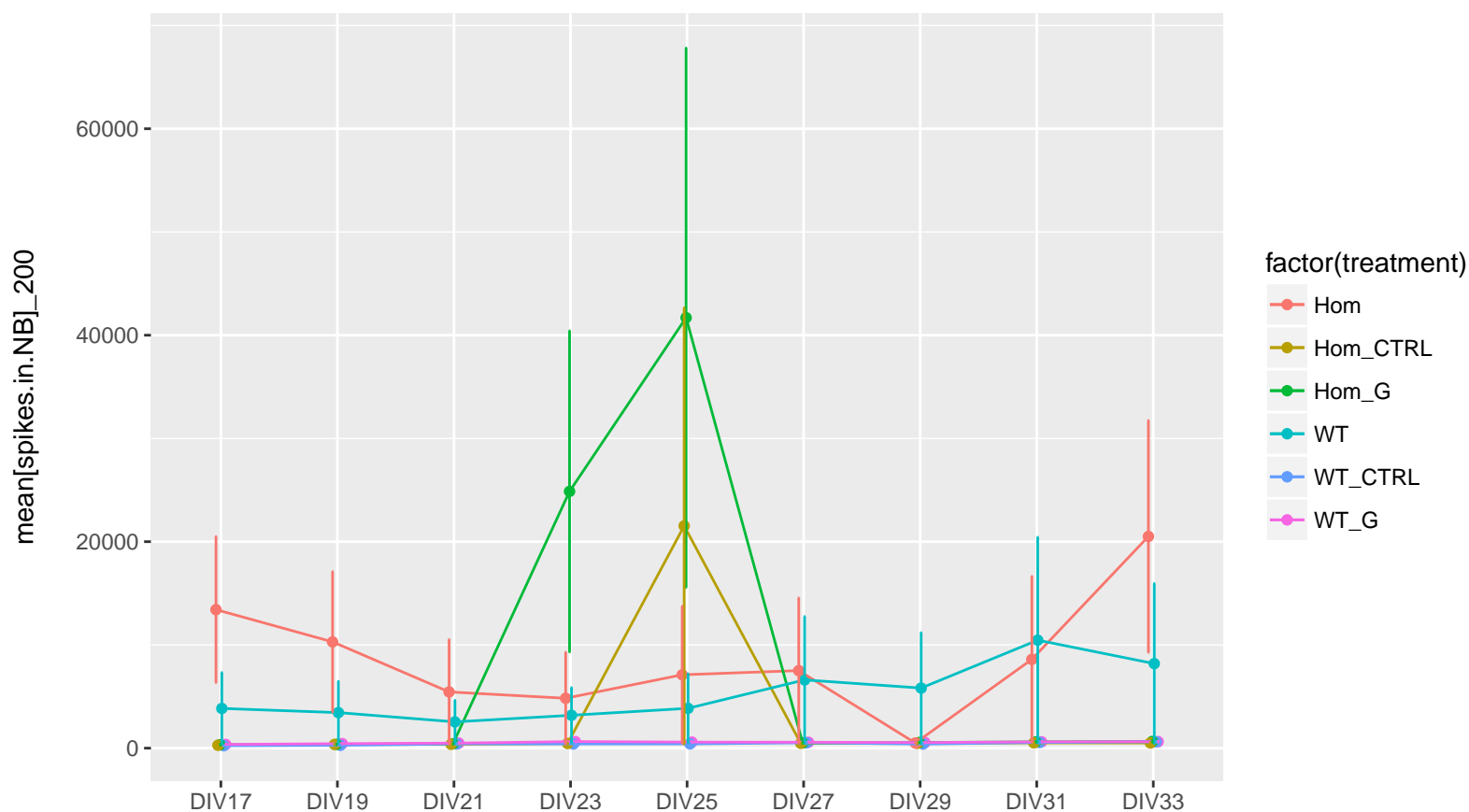
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.69	0.452
2	WT vs. Hom_G	0.4	0.189
3	WT vs. WT_G	0.13	0.00233
4	WT vs. Hom_CTRL	0.51	0.0622
5	WT vs. WT_CTRL	0.31	0.0211

Kcnt1Y777H_20170722_500669_total.number.of.NBs_200
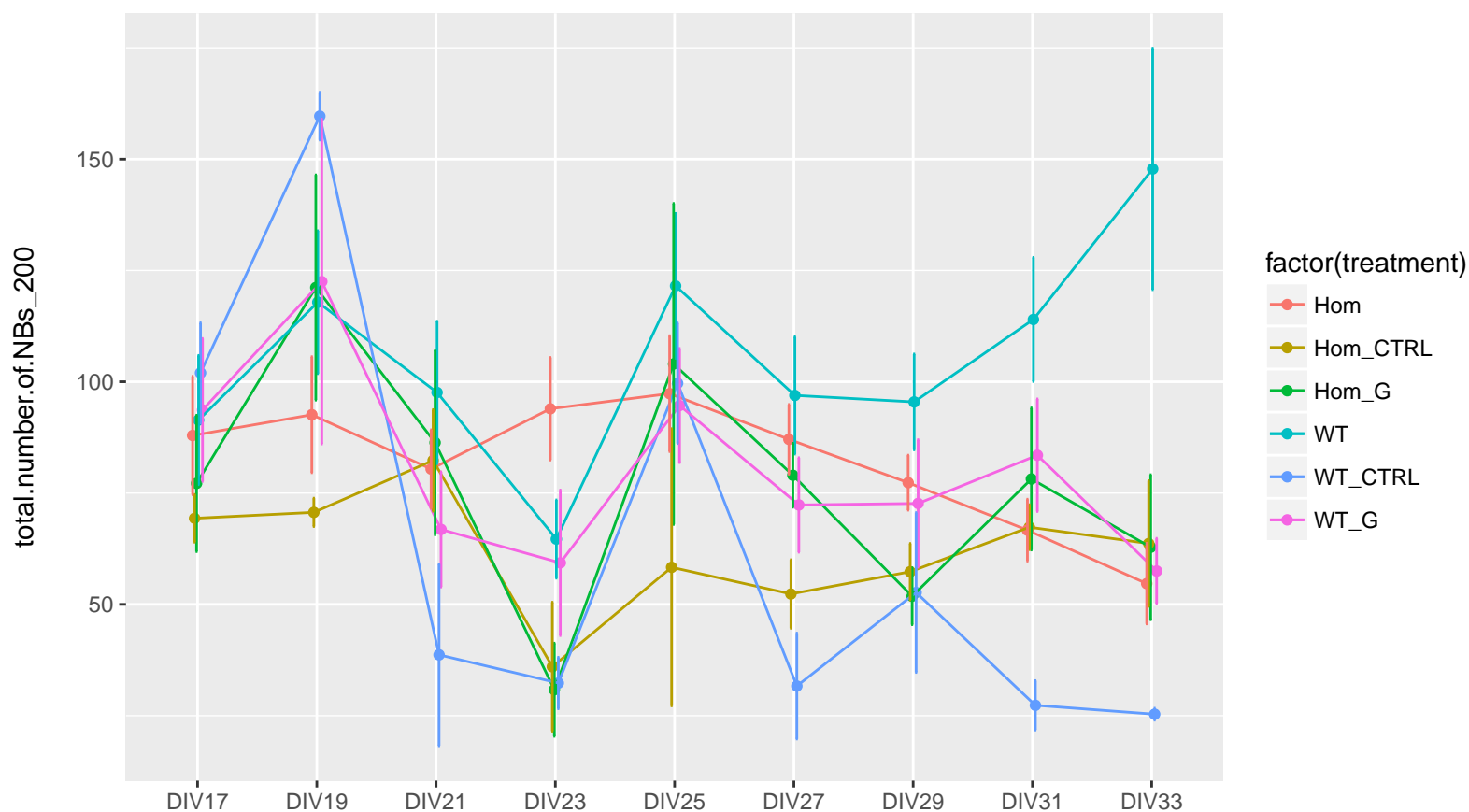
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.18	0.00463
2	WT vs. Hom_G	0.1	0.000699
3	WT vs. WT_G	0.12	0.0036
4	WT vs. Hom_CTRL	0.02	4.56e−05
5	WT vs. WT_CTRL	0.1	0.00058

Kcnt1Y777H_20170722_500669_n.active.electrodes
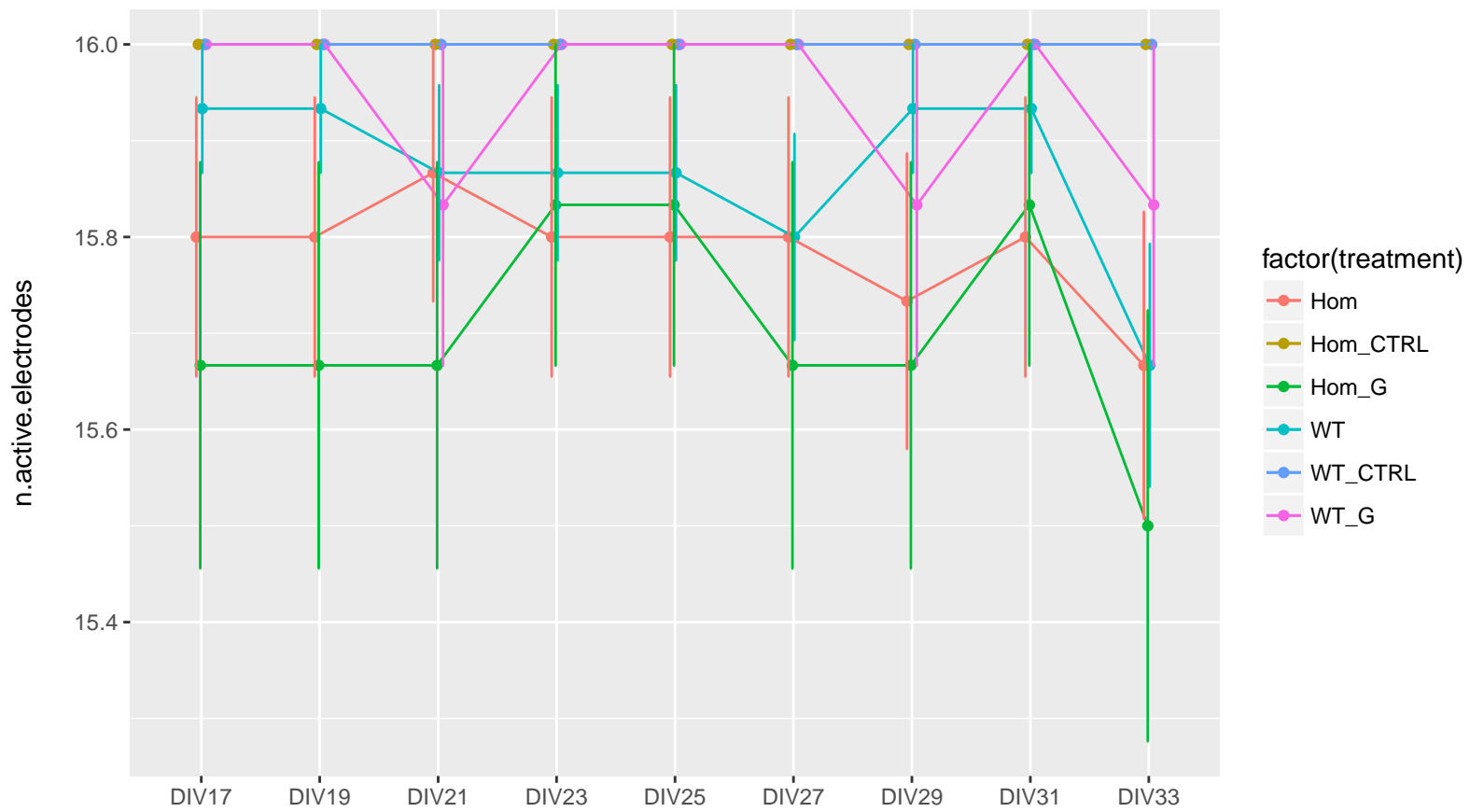
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.76	0.578
2	WT vs. Hom_G	0.39	0.00864
3	WT vs. WT_G	0.49	0.126
4	WT vs. Hom_CTRL	0.21	0.0453
5	WT vs. WT_CTRL	0.17	0.0453

Kcnt1Y777H_20170722_500669_mfr.per.well
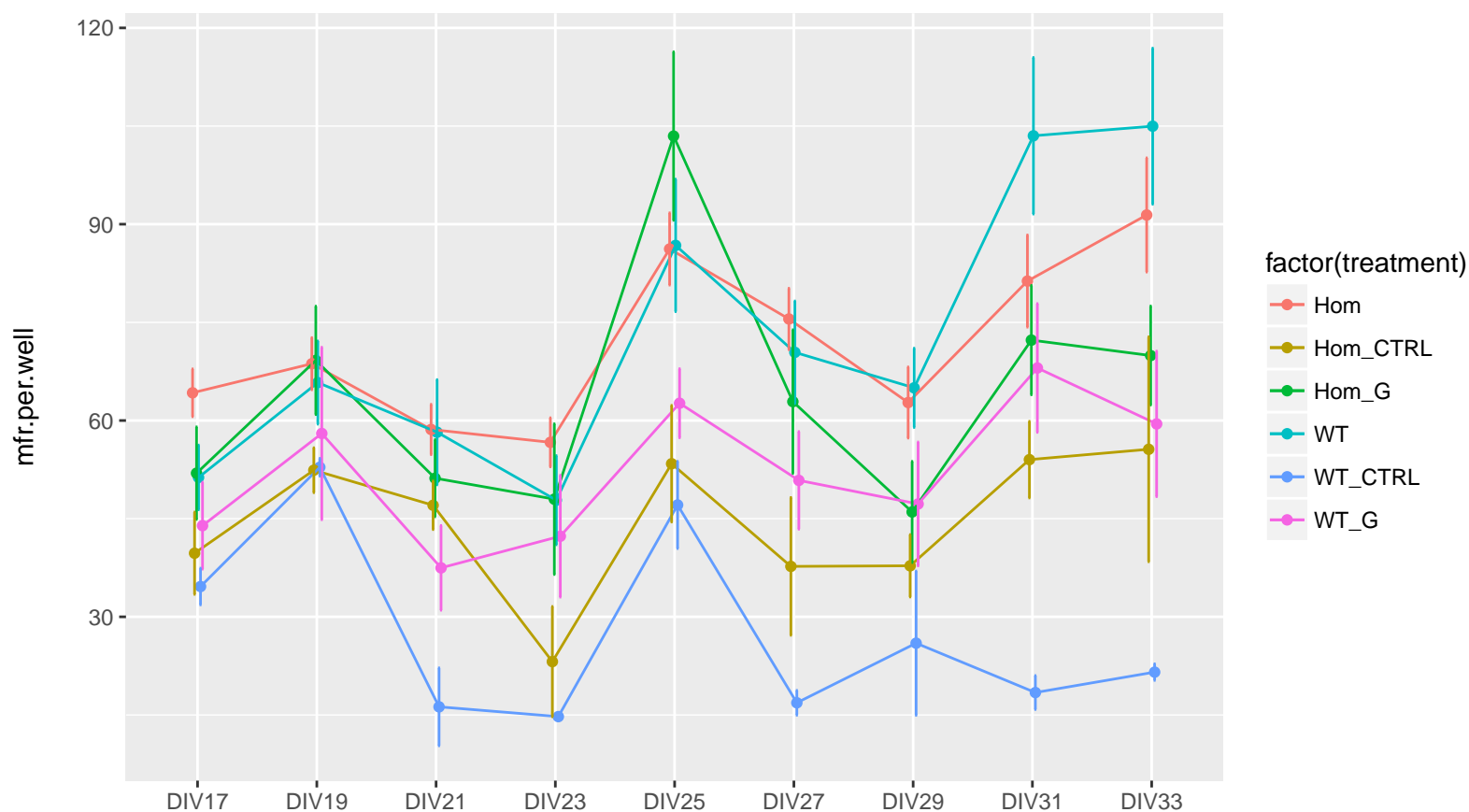
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.61	0.299
2	WT vs. Hom_G	0.61	0.29
3	WT vs. WT_G	0.12	0.00122
4	WT vs. Hom_CTRL	0.08	0.000245
5	WT vs. WT_CTRL	< 0.01	2.21e−10

Kcnt1Y777H_20170722_500669_mfr.per.active.electode
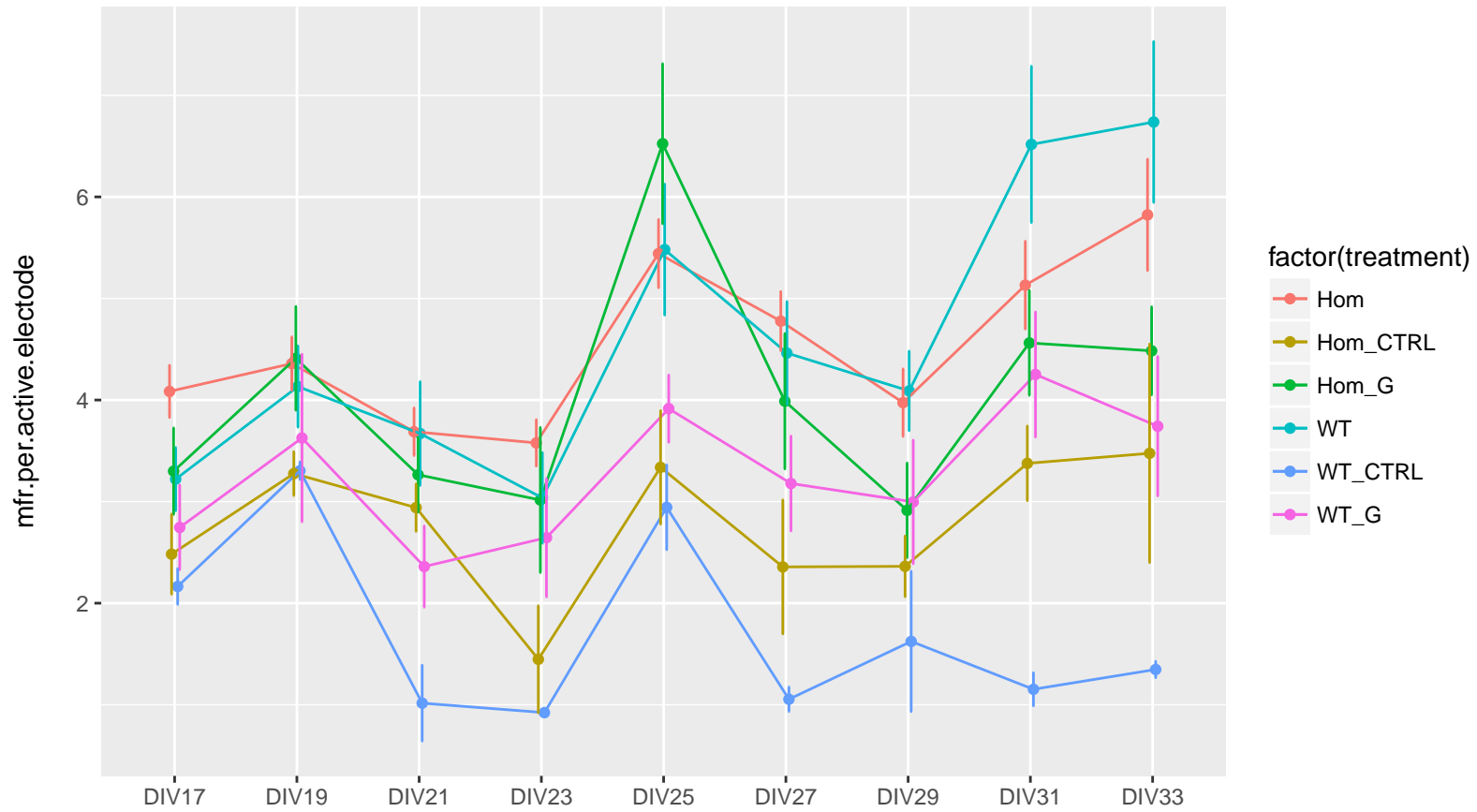
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. Hom	0.53	0.237
2	WT vs. Hom_G	0.65	0.356
3	WT vs. WT_G	0.19	0.00109
4	WT vs. Hom_CTRL	0.04	0.000237
5	WT vs. WT_CTRL	< 0.01	2.03e−10