KCNT1_20170223_11869_mean.NB.time.per.sec_20

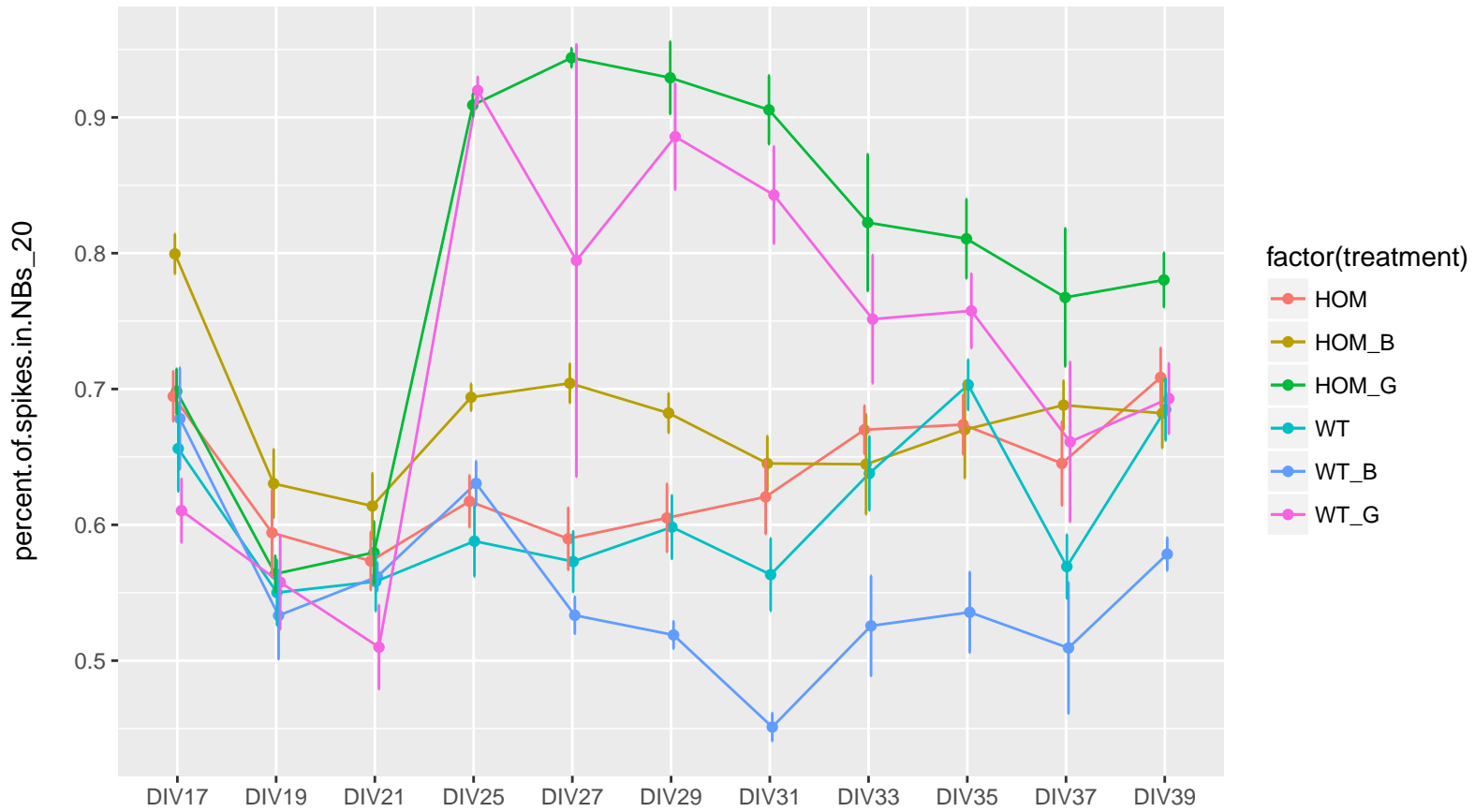|	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.25	0.0893
2	WT vs. WT_G	< 0.01	6.36e−05
3	WT vs. HOM_G	< 0.01	1.23e−06
4	WT vs. WT_B	0.08	0.0527
5	WT vs. HOM_B	< 0.01	2.05e−08

KCNT1_20170223_11869_total.spikes.in.all.NBs_20
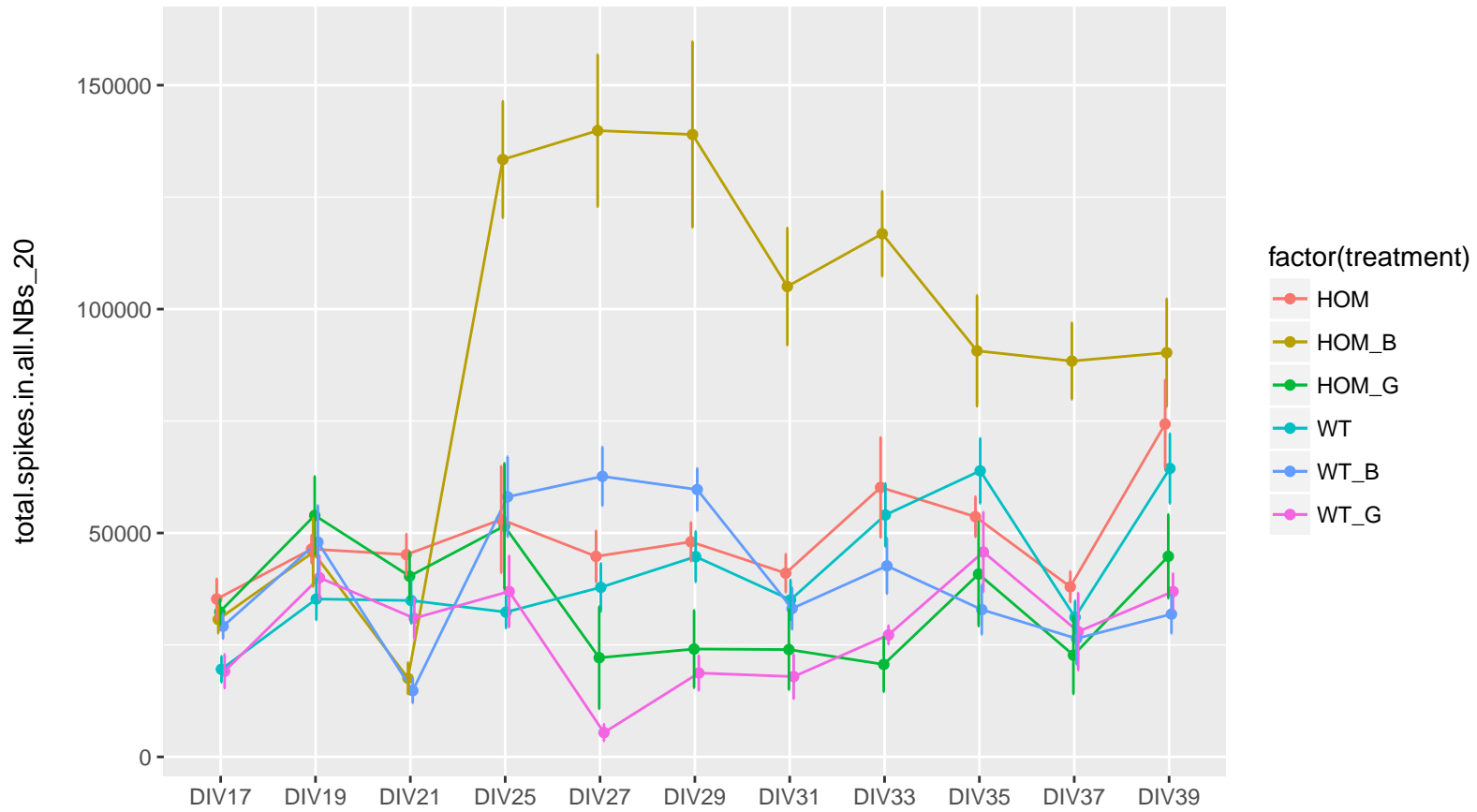
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.21	0.00147
2	WT vs. WT_G	0.03	0.000119
3	WT vs. HOM_G	0.35	0.0327
4	WT vs. WT_B	0.97	0.955
5	WT vs. HOM_B	< 0.01	6.88e−12

KCNT1_20170223_11869_percent.of.spikes.in.NBs_20

	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.21	0.00908
2	WT vs. WT_G	< 0.01	2.53e−07
3	WT vs. HOM_G	< 0.01	1.65e−14
4	WT vs. WT_B	0.05	5e−05
5	WT vs. HOM_B	< 0.01	3.96e−07

KCNT1_20170223_11869_spike.intensity_20
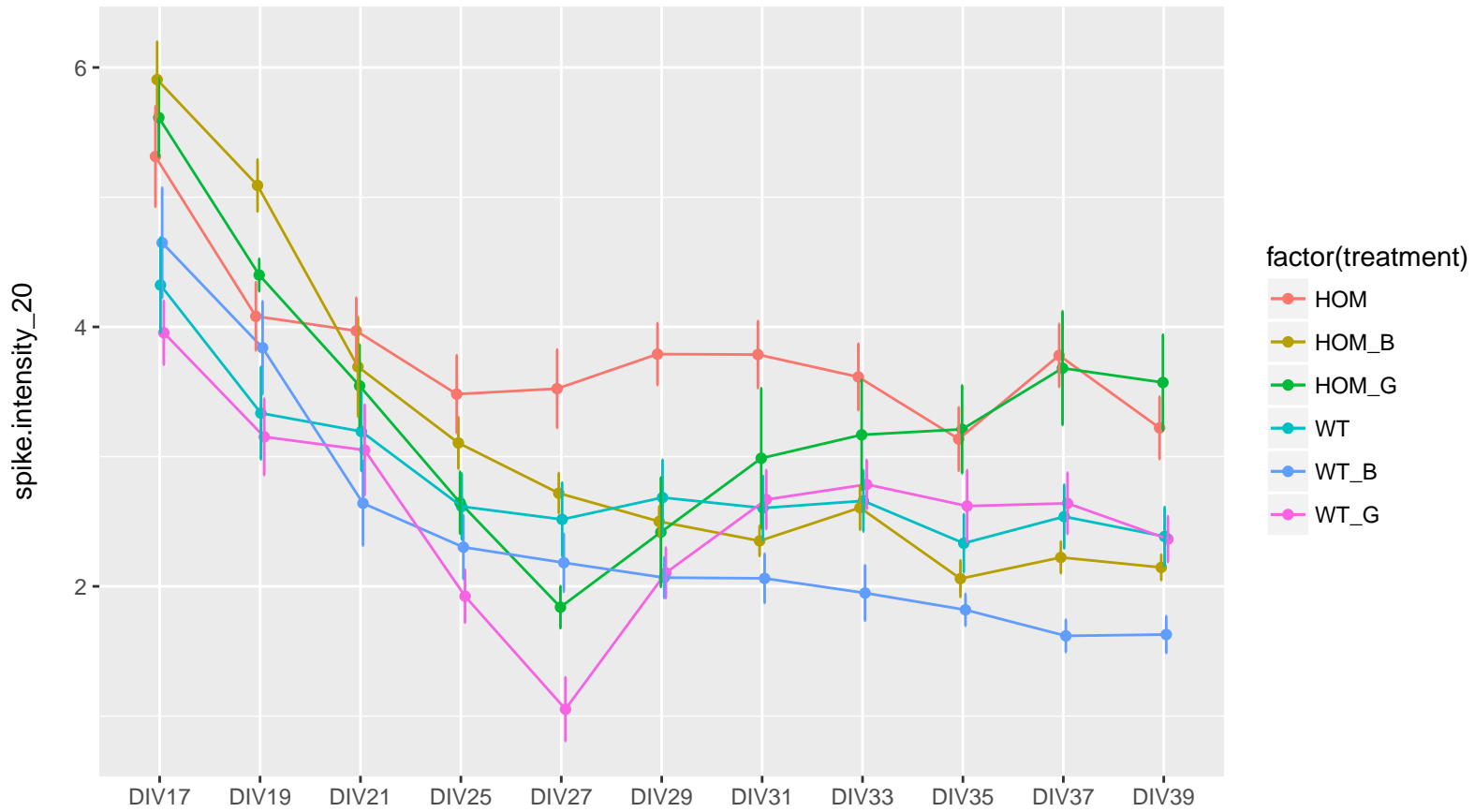
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	< 0.01	3.85e−12
2	WT vs. WT_G	0.69	0.261
3	WT vs. HOM_G	0.2	0.00426
4	WT vs. WT_B	0.24	0.00263
5	WT vs. HOM_B	0.71	0.31

KCNT1_20170223_11869_spike.intensity.by.aEs_20
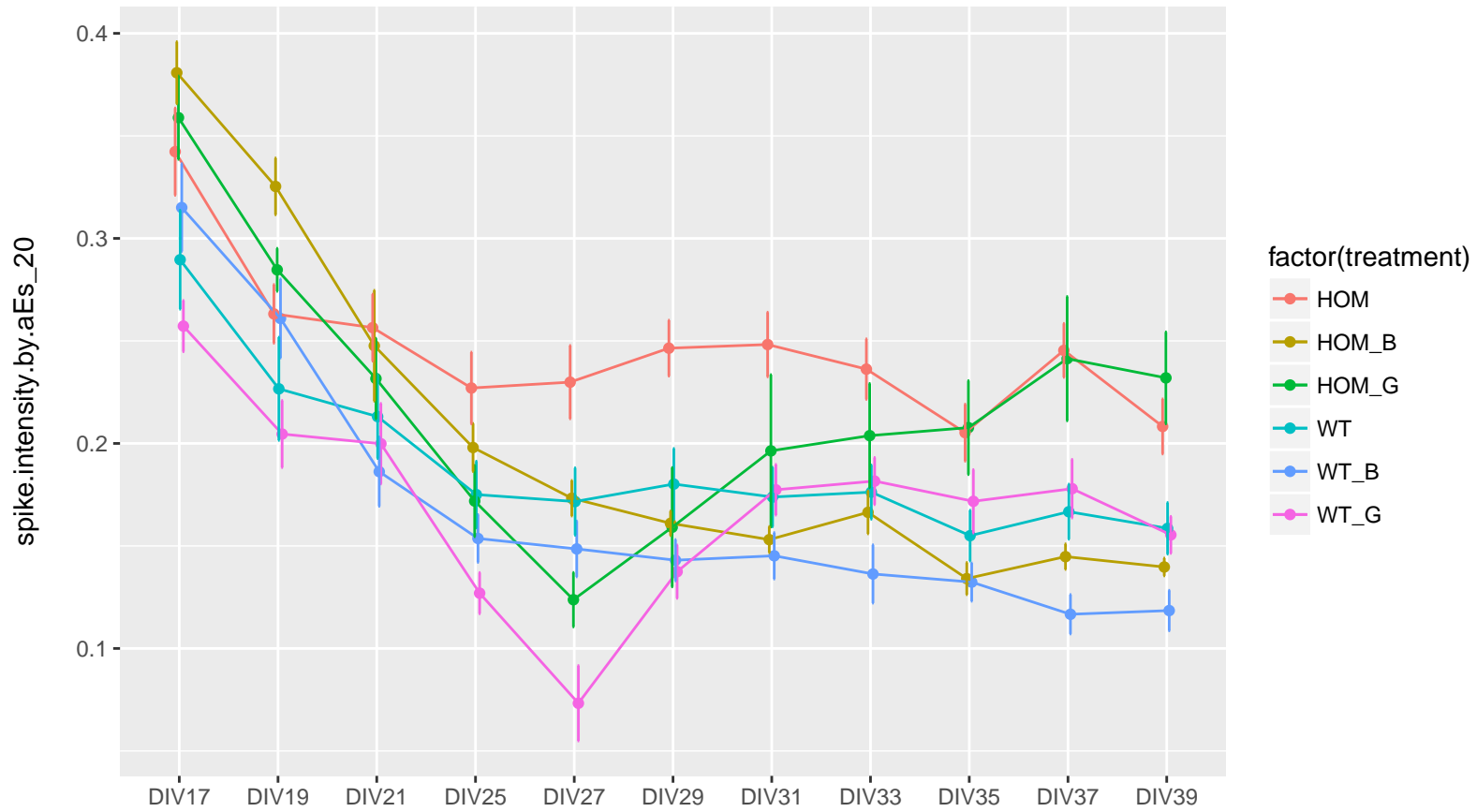
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	< 0.01	1.15e−12
2	WT vs. WT_G	0.57	0.191
3	WT vs. HOM_G	0.31	0.0128
4	WT vs. WT_B	0.29	0.0144
5	WT vs. HOM_B	0.84	0.62

KCNT1_20170223_11869_total.spikes.in.all.NBs,nNB_20
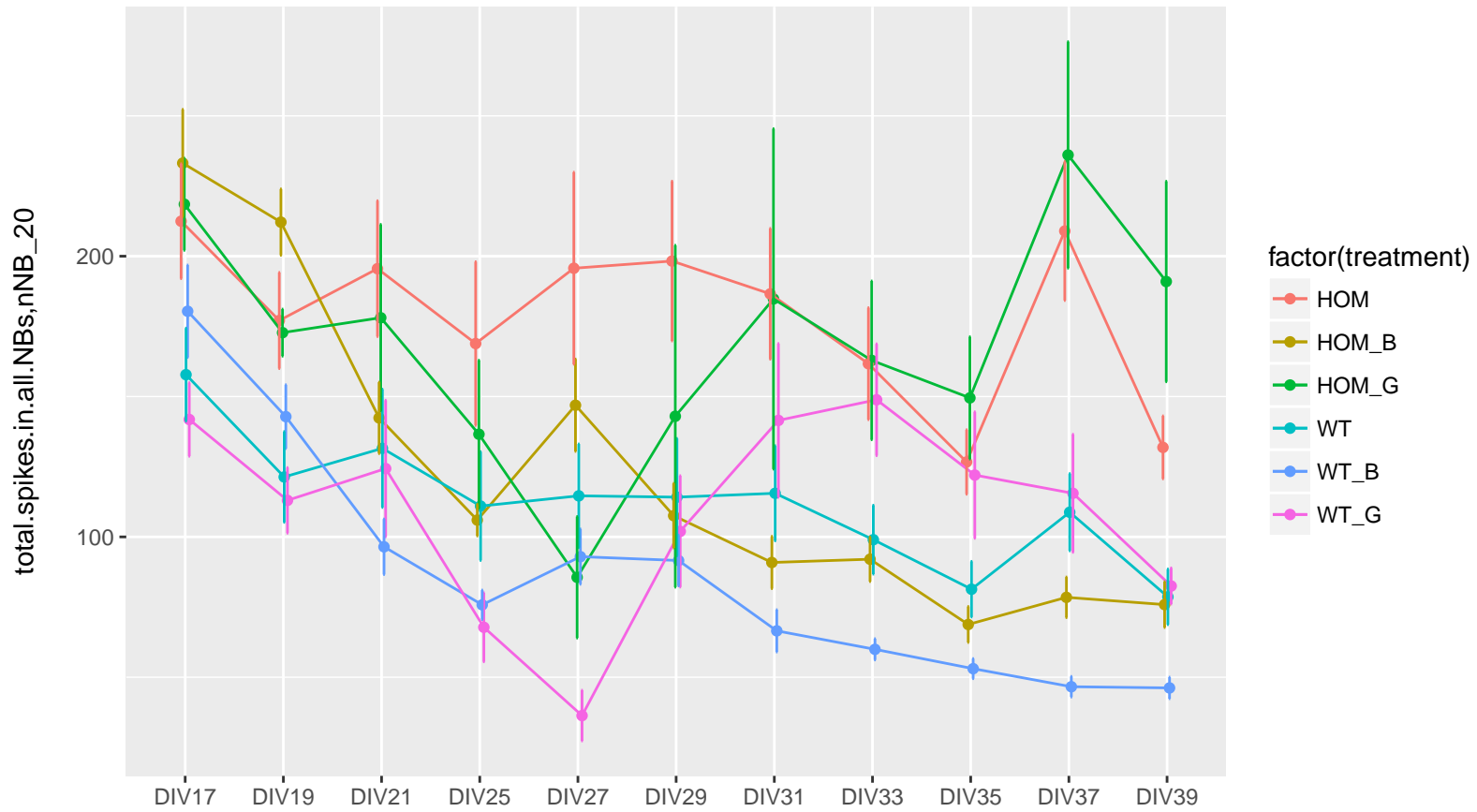
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.01	2.4e−13
2	WT vs. WT_G	1	0.993
3	WT vs. HOM_G	0.11	1.59e−06
4	WT vs. WT_B	0.21	0.00101
5	WT vs. HOM_B	0.53	0.103

KCNT1_20170223_11869_[total.spikes.in.all.NBs,nNB],nAE_20
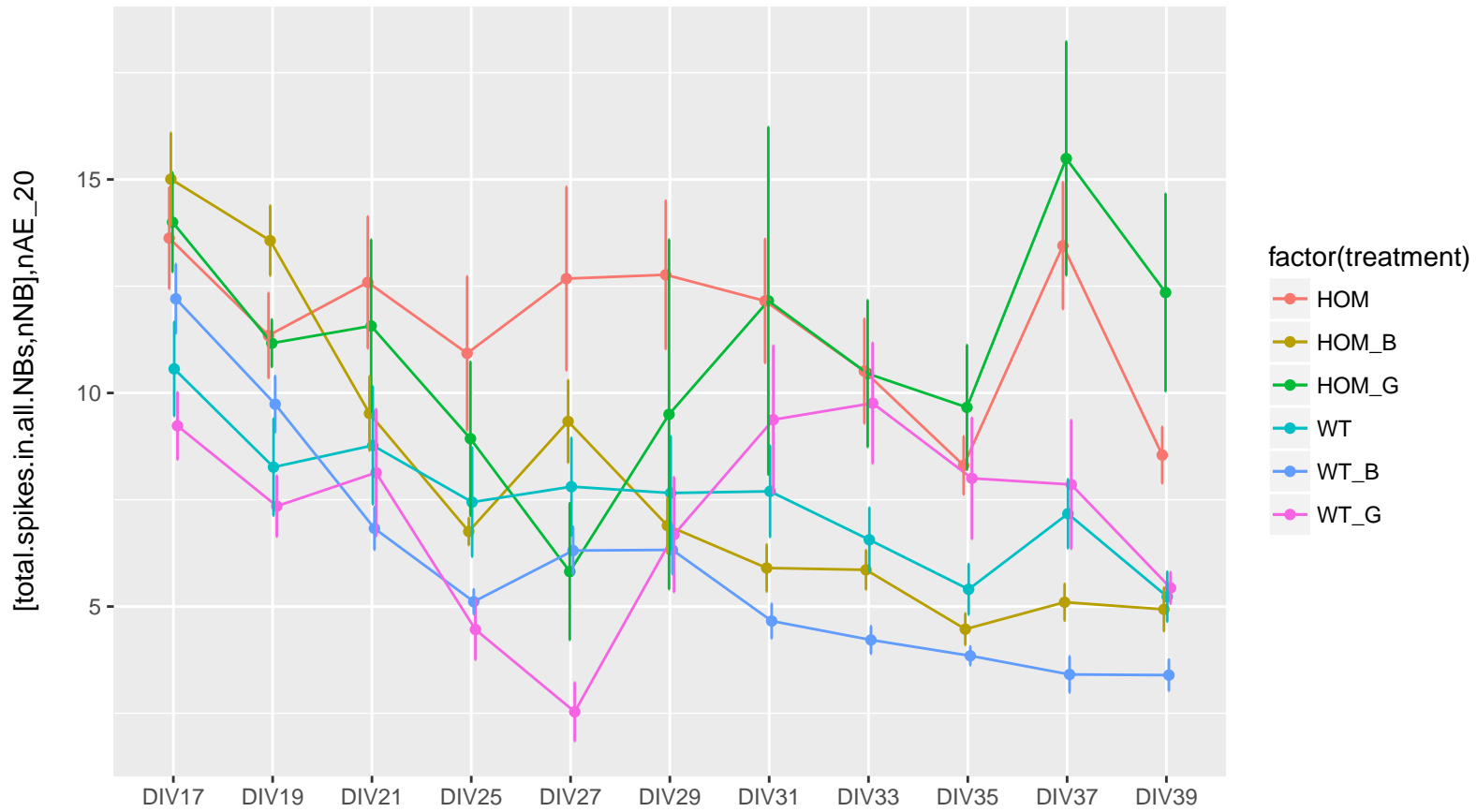
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	< 0.01	1.67e−13
2	WT vs. WT_G	0.91	0.791
3	WT vs. HOM_G	0.1	4.55e−06
4	WT vs. WT_B	0.25	0.00494
5	WT vs. HOM_B	0.73	0.304

KCNT1_20170223_11869_mean[spikes.in.NB,nAE]_20
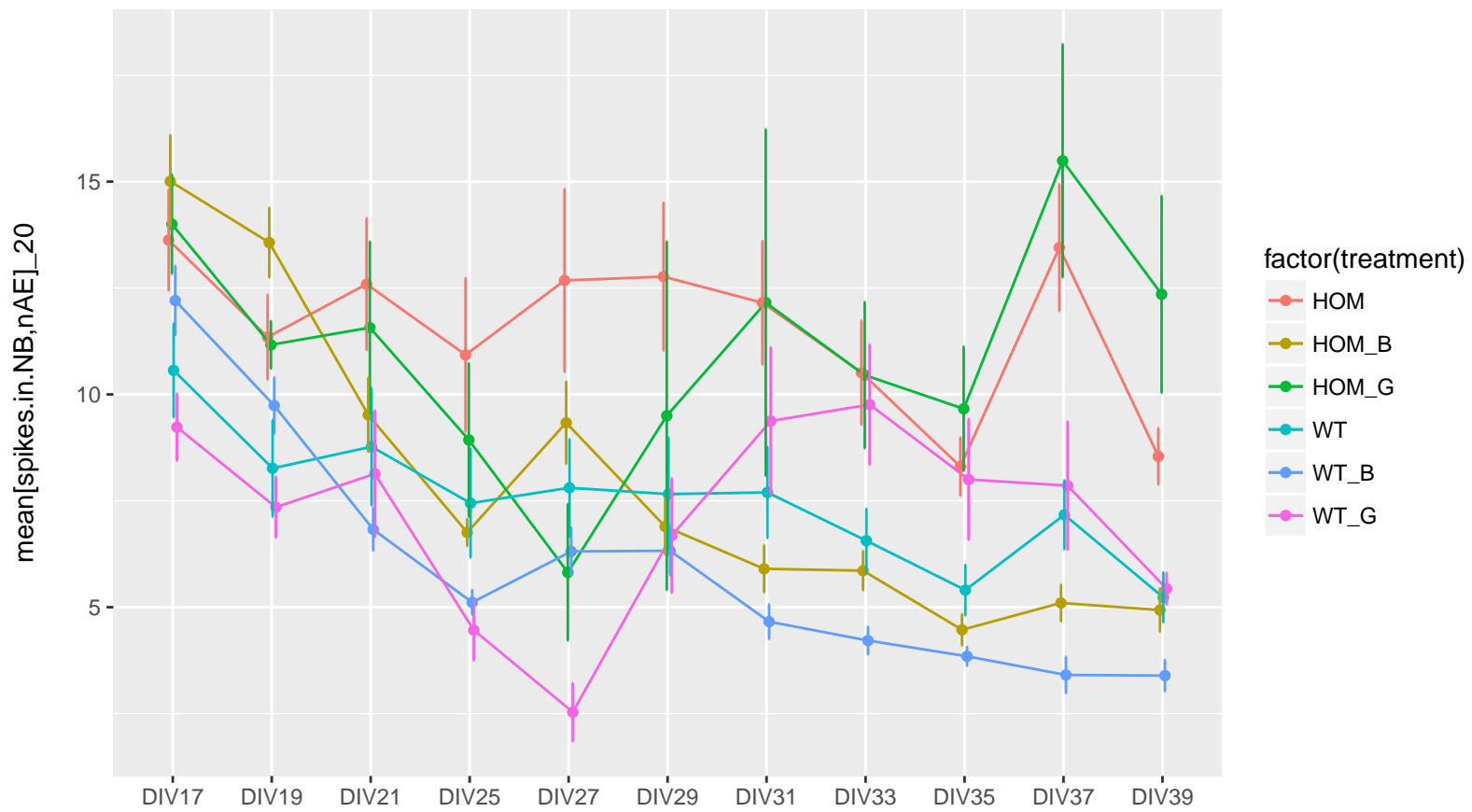
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	< 0.01	1.67e−13
2	WT vs. WT_G	0.88	0.791
3	WT vs. HOM_G	0.12	4.55e−06
4	WT vs. WT_B	0.24	0.00494
5	WT vs. HOM_B	0.73	0.304

KCNT1_20170223_11869_mean[spikes.in.NB,nAE,NB.duration]_20
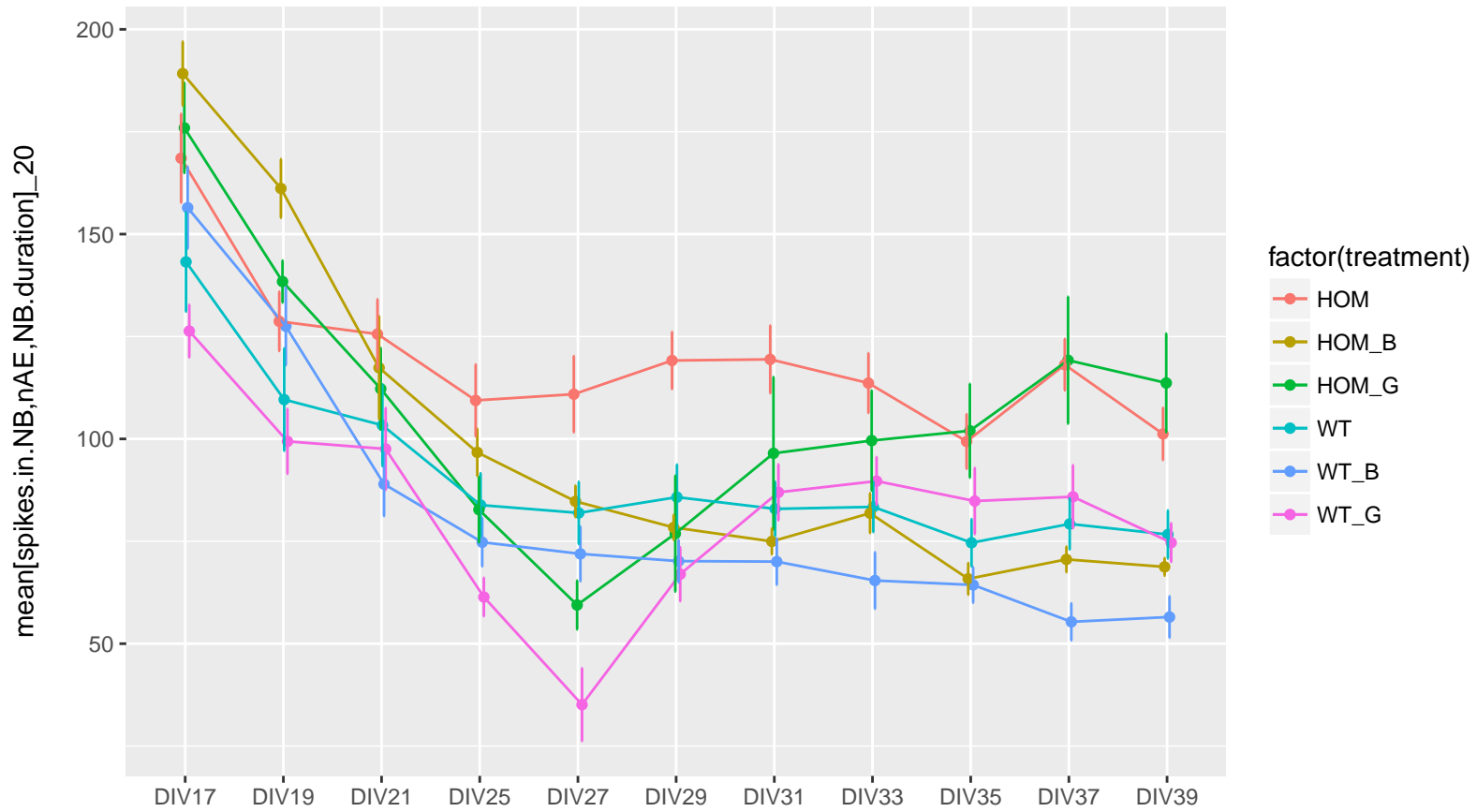
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	< 0.01	4.3e−13
2	WT vs. WT_G	0.67	0.317
3	WT vs. HOM_G	0.3	0.00714
4	WT vs. WT_B	0.32	0.0153
5	WT vs. HOM_B	0.75	0.513

KCNT1_20170223_11869_mean[spikes.in.NB]_20
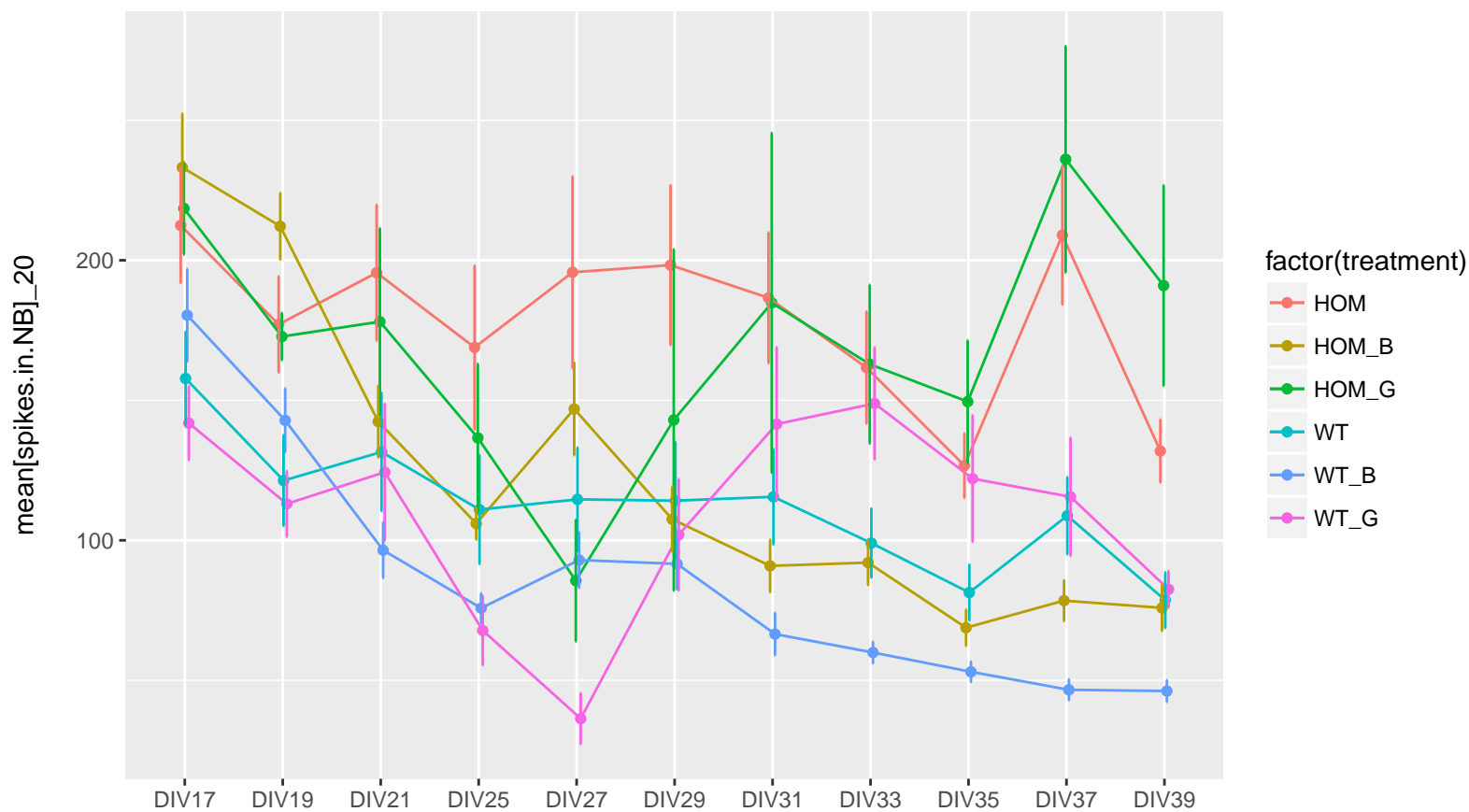
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	< 0.01	2.4e−13
2	WT vs. WT_G	1	0.993
3	WT vs. HOM_G	0.1	1.59e−06
4	WT vs. WT_B	0.17	0.00101
5	WT vs. HOM_B	0.61	0.103

KCNT1_20170223_11869_total.number.of.NBs_20
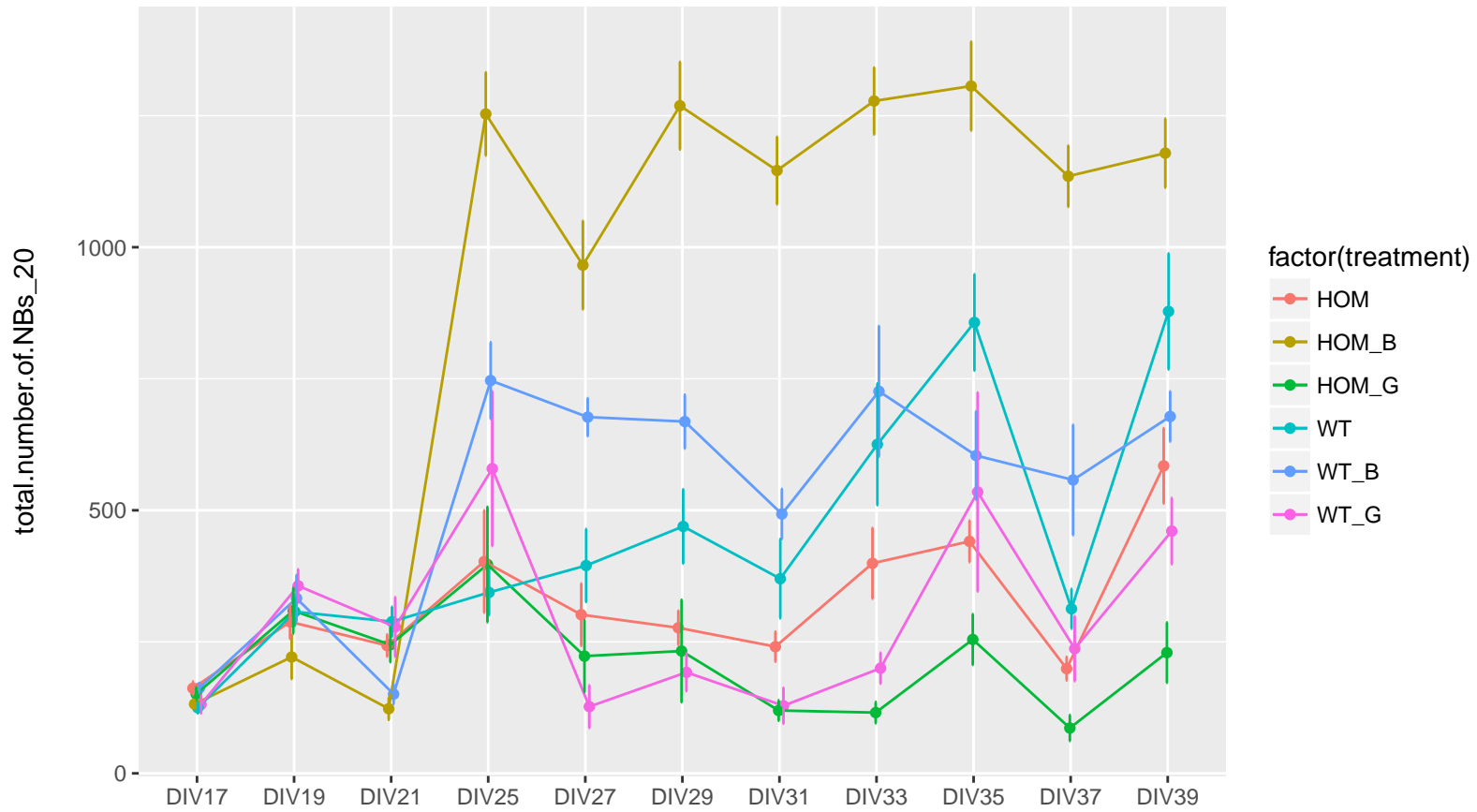
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.04	0.000889
2	WT vs. WT_G	0.01	4.62e−05
3	WT vs. HOM_G	< 0.01	5.03e−10
4	WT vs. WT_B	0.06	0.00609
5	WT vs. HOM_B	< 0.01	3.98e−07

KCNT1_20170223_11869_mean.NB.time.per.sec_50
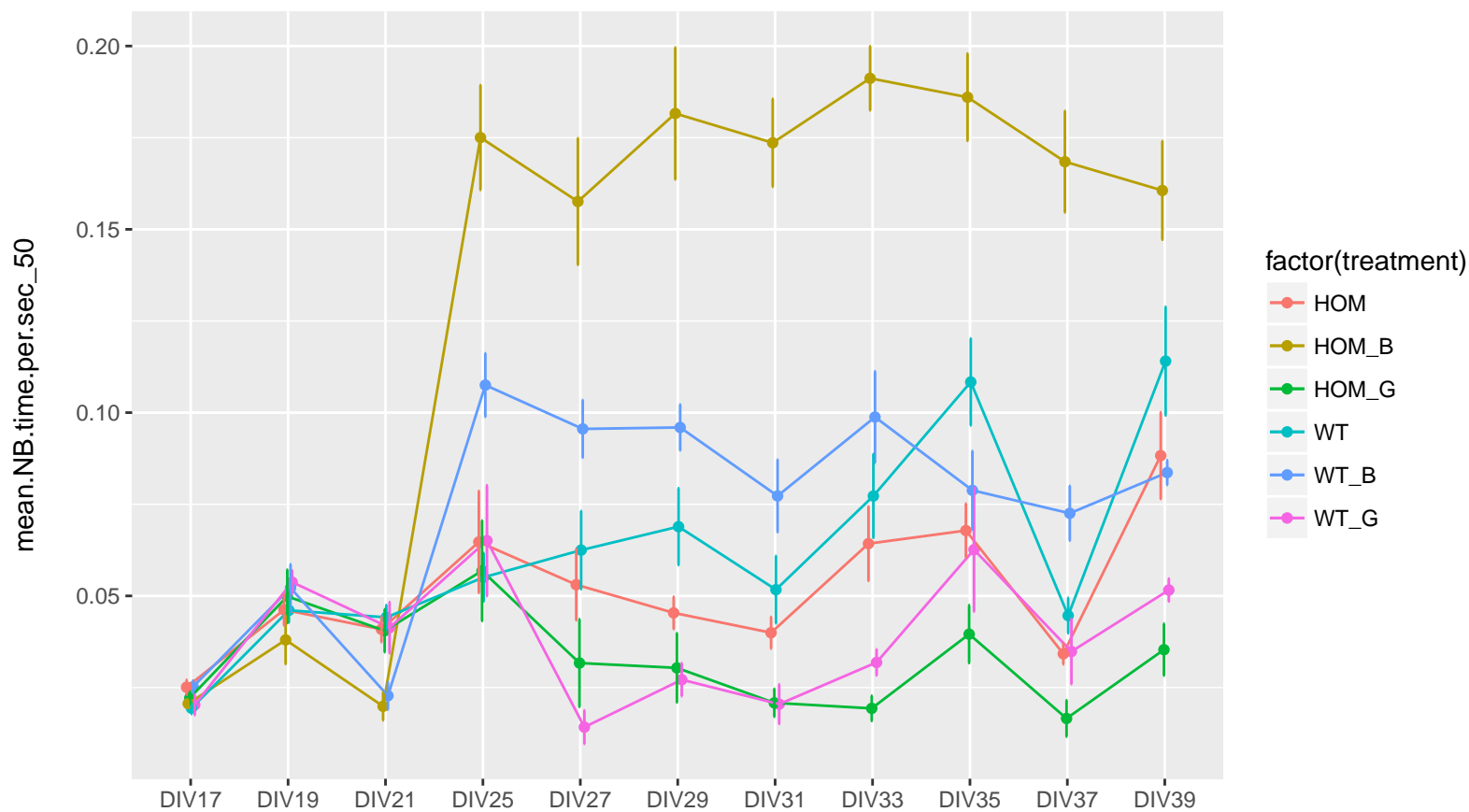
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.18	0.0169
2	WT vs. WT_G	< 0.01	2.09e−06
3	WT vs. HOM_G	< 0.01	1.4e−09
4	WT vs. WT_B	0.03	0.00323
5	WT vs. HOM_B	< 0.01	3.37e−08

KCNT1_20170223_11869_total.spikes.in.all.NBs_50
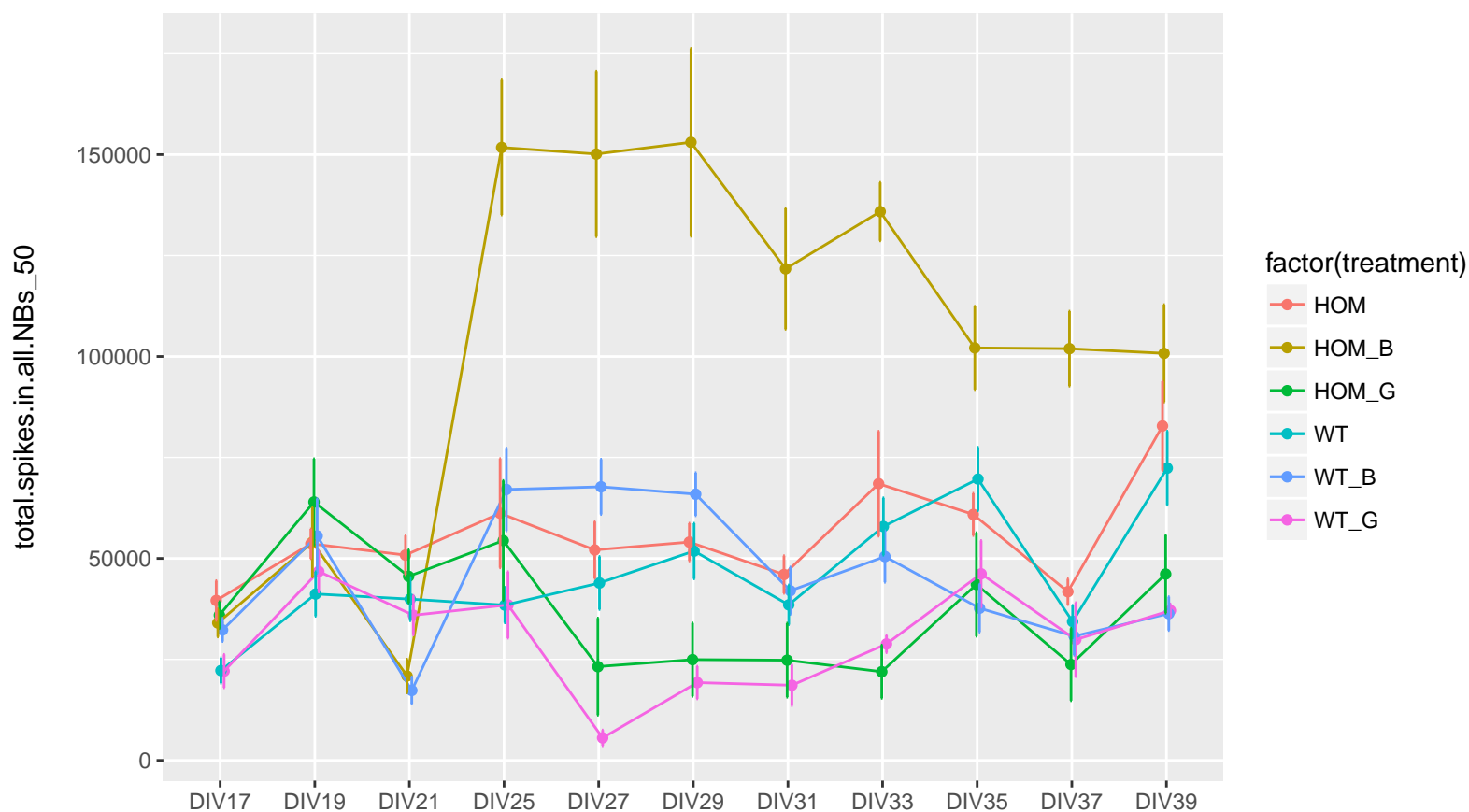
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.11	0.00091
2	WT vs. WT_G	0.05	1.53e−05
3	WT vs. HOM_G	0.26	0.0105
4	WT vs. WT_B	0.92	0.808
5	WT vs. HOM_B	< 0.01	1.43e−12

KCNT1_20170223_11869_percent.of.spikes.in.NBs_50
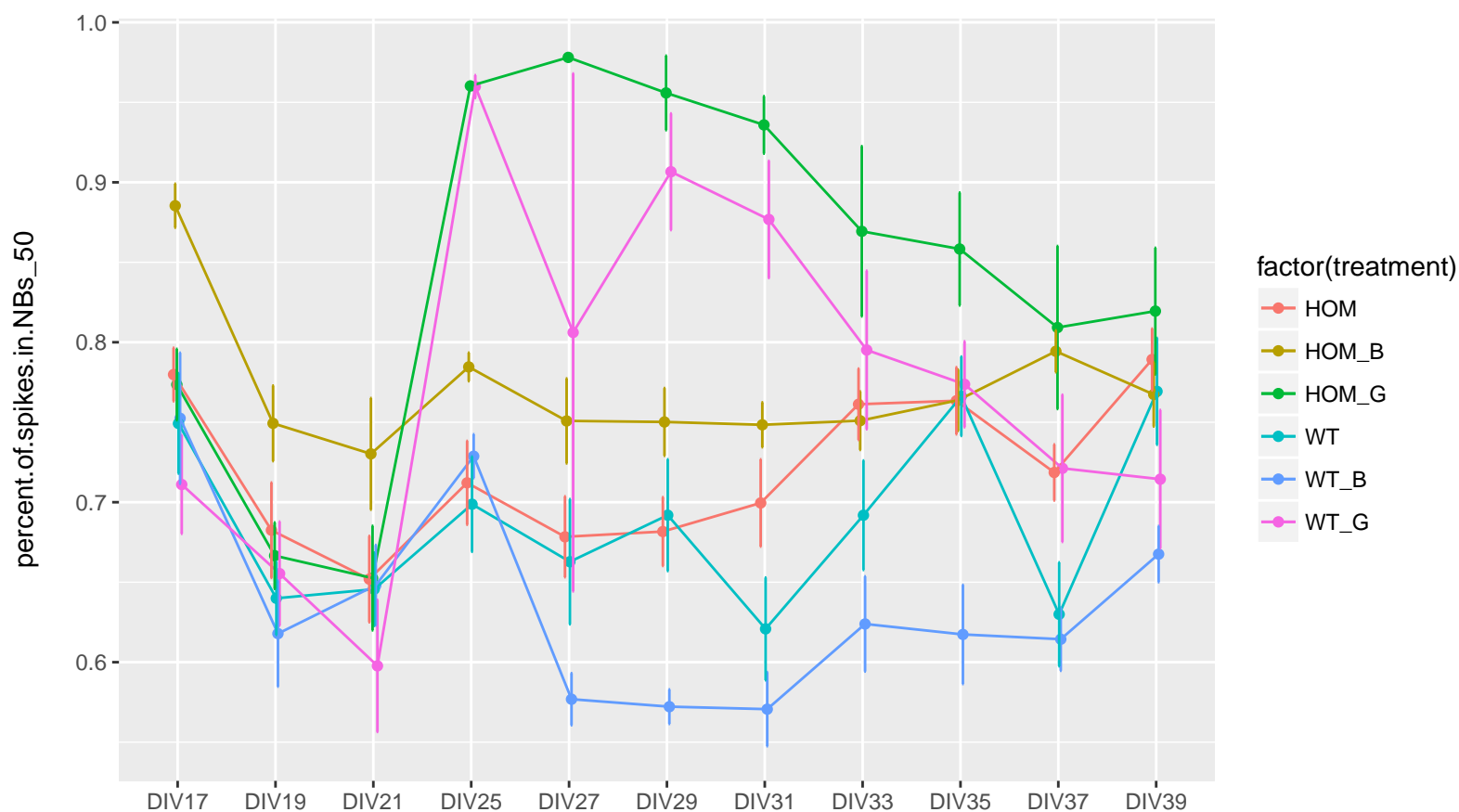
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.32	0.0137
2	WT vs. WT_G	0.04	2.19e−05
3	WT vs. HOM_G	0.01	1.9e−12
4	WT vs. WT_B	0.12	0.000699
5	WT vs. HOM_B	0.03	1.21e−07

KCNT1_20170223_11869_spike.intensity_50
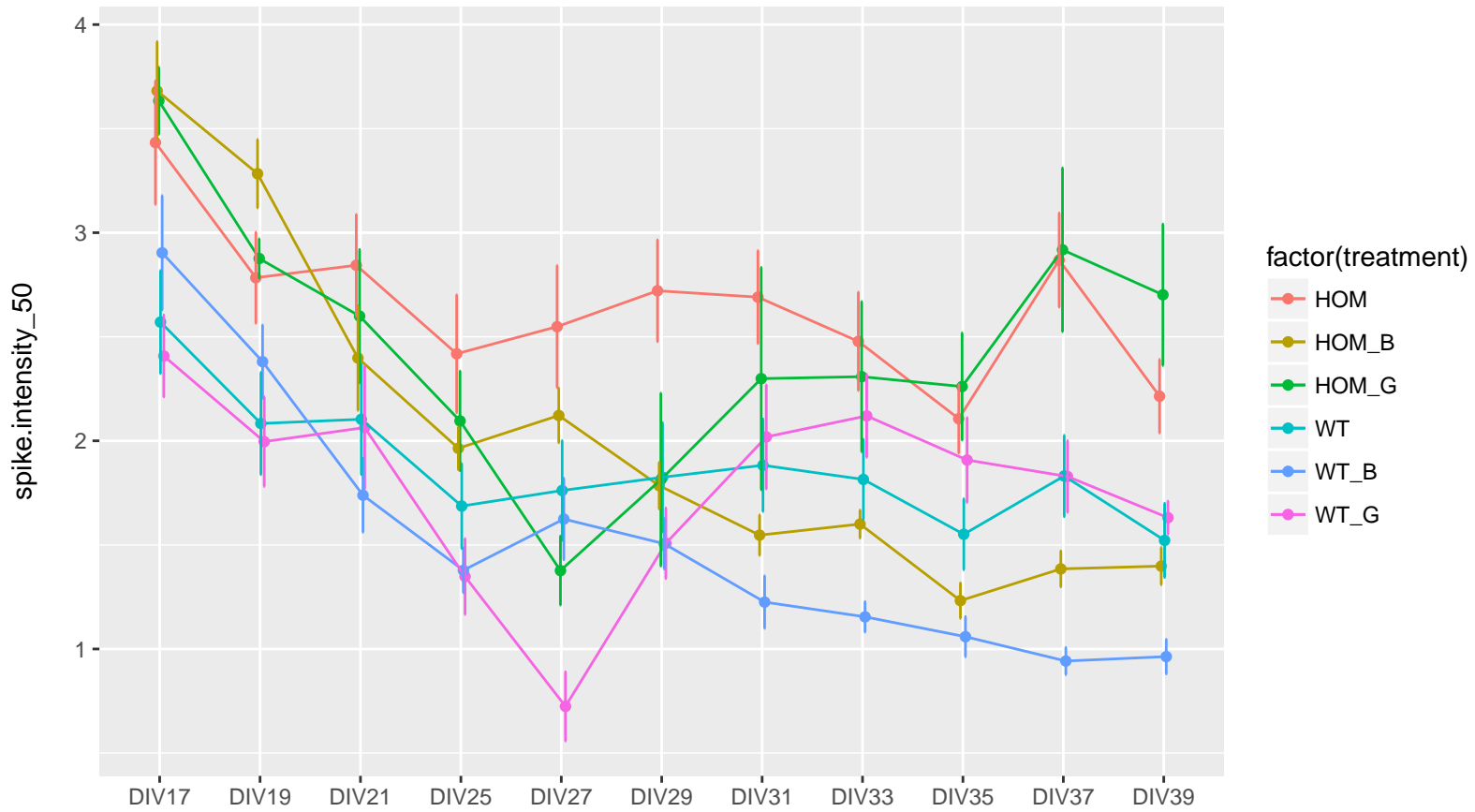
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.01	3.51e−12
2	WT vs. WT_G	0.99	0.959
3	WT vs. HOM_G	0.07	3.32e−05
4	WT vs. WT_B	0.27	0.00174
5	WT vs. HOM_B	0.52	0.123

KCNT1_20170223_11869_spike.intensity.by.aEs_50
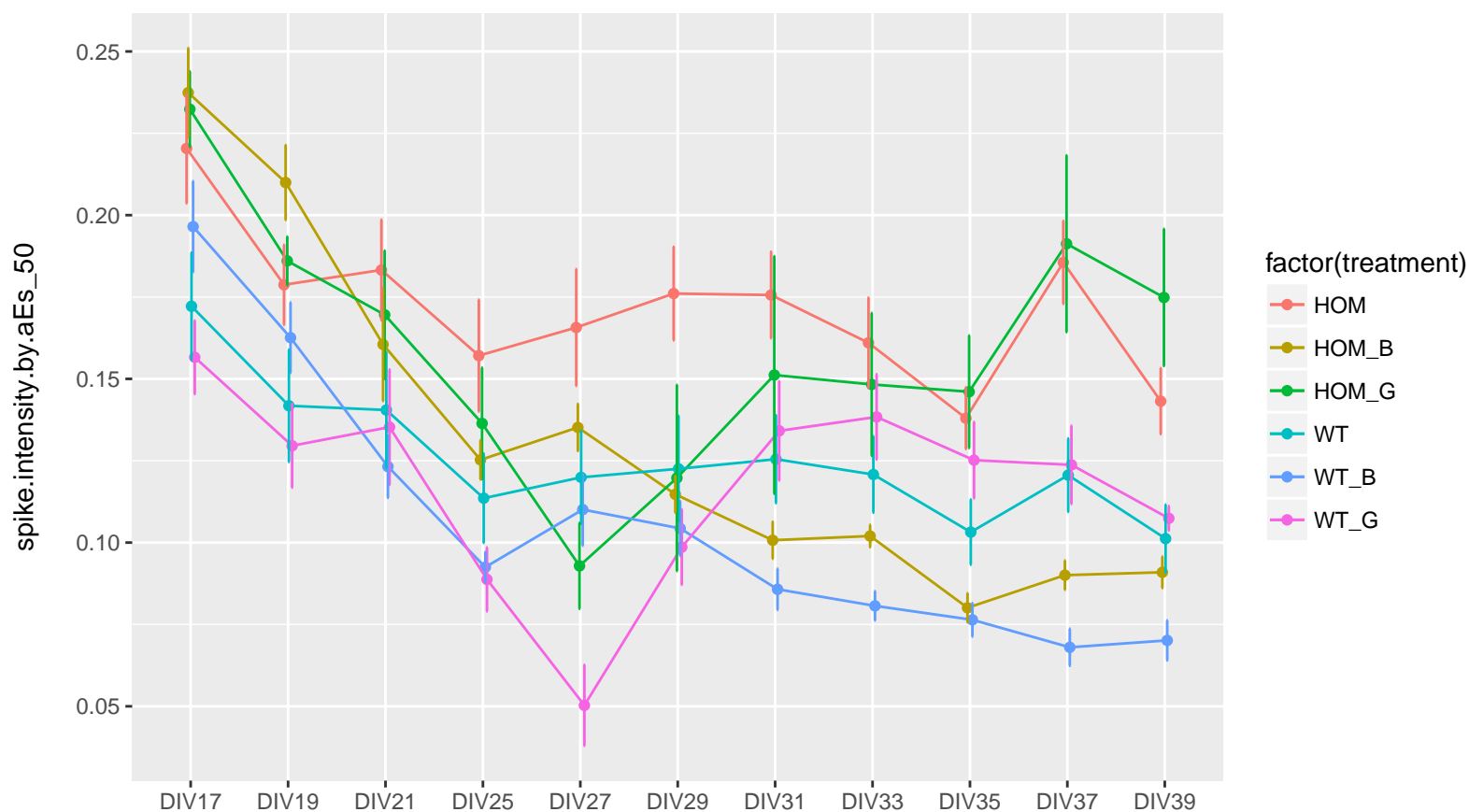
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	< 0.01	2.55e−12
2	WT vs. WT_G	0.9	0.777
3	WT vs. HOM_G	0.17	0.000122
4	WT vs. WT_B	0.3	0.00609
5	WT vs. HOM_B	0.73	0.404

KCNT1_20170223_11869_total.spikes.in.all.NBs,nNB_50
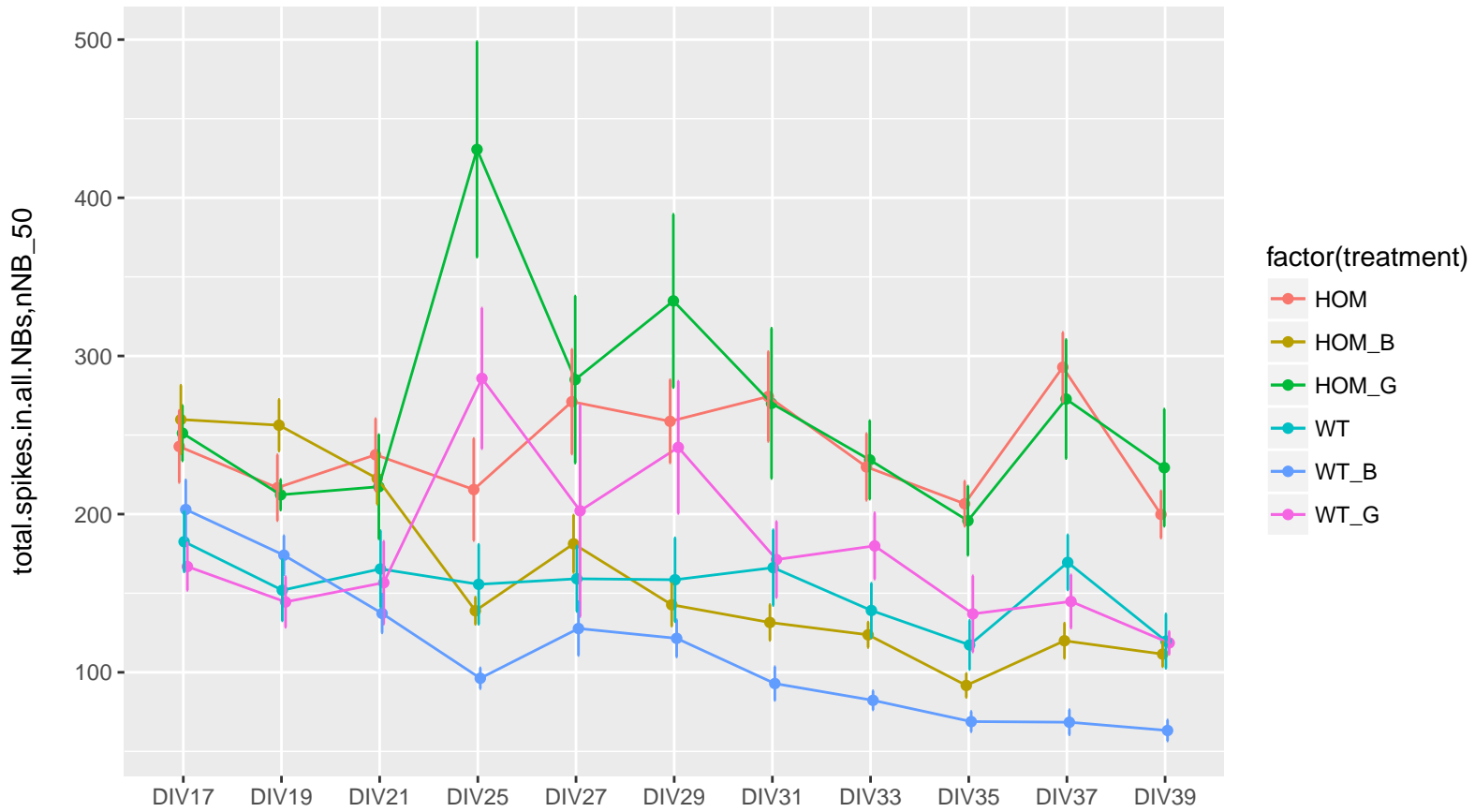
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.01	6.44e−16
2	WT vs. WT_G	0.48	0.0268
3	WT vs. HOM_G	< 0.01	7.53e−14
4	WT vs. WT_B	0.11	0.000104
5	WT vs. HOM_B	0.68	0.203

KCNT1_20170223_11869_[total.spikes.in.all.NBs,nNB],nAE_50
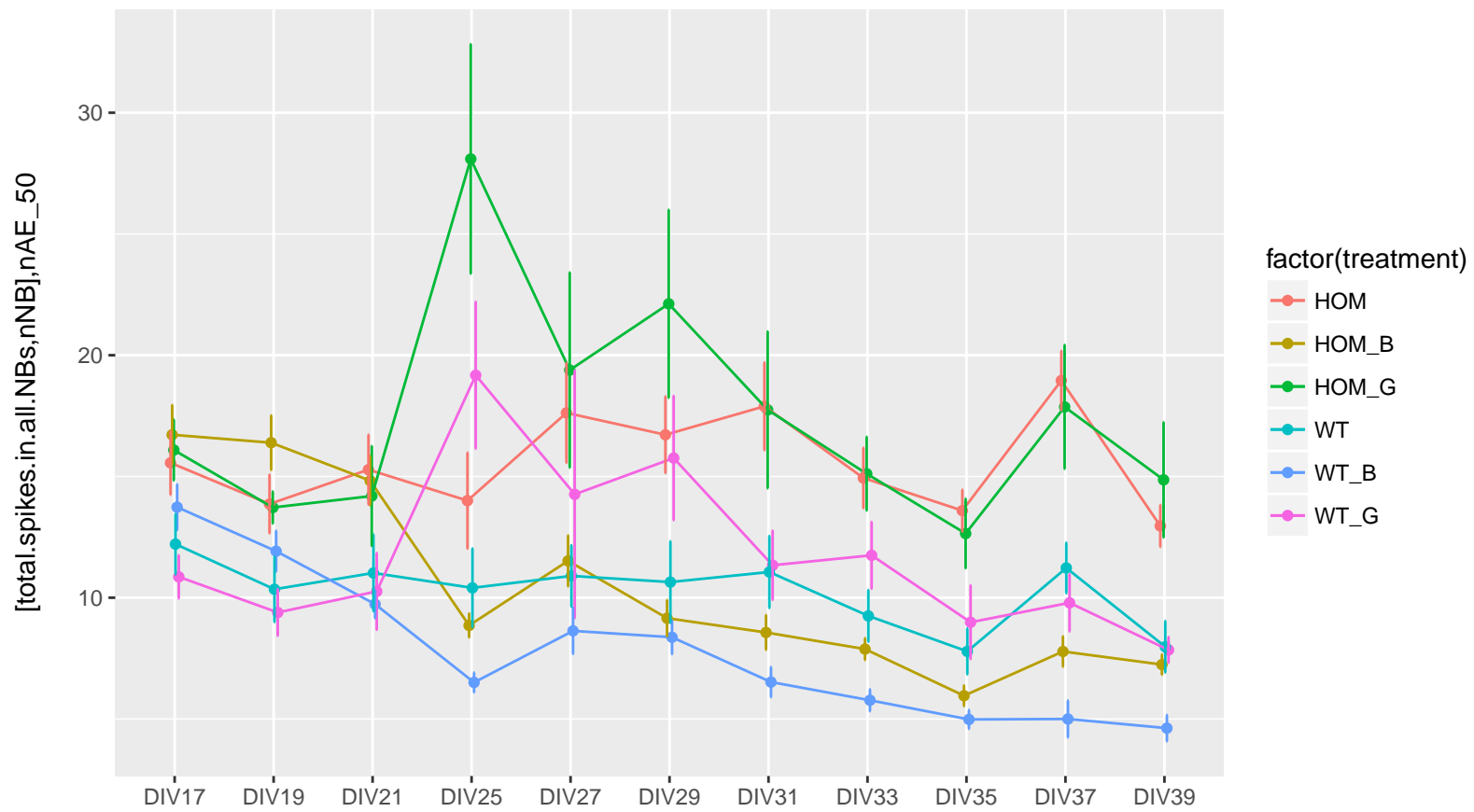
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.01	4.21e−16
2	WT vs. WT_G	0.55	0.0471
3	WT vs. HOM_G	0.02	2.89e−13
4	WT vs. WT_B	0.16	0.000324
5	WT vs. HOM_B	0.73	0.539

KCNT1_20170223_11869_mean[spikes.in.NB,nAE]_50
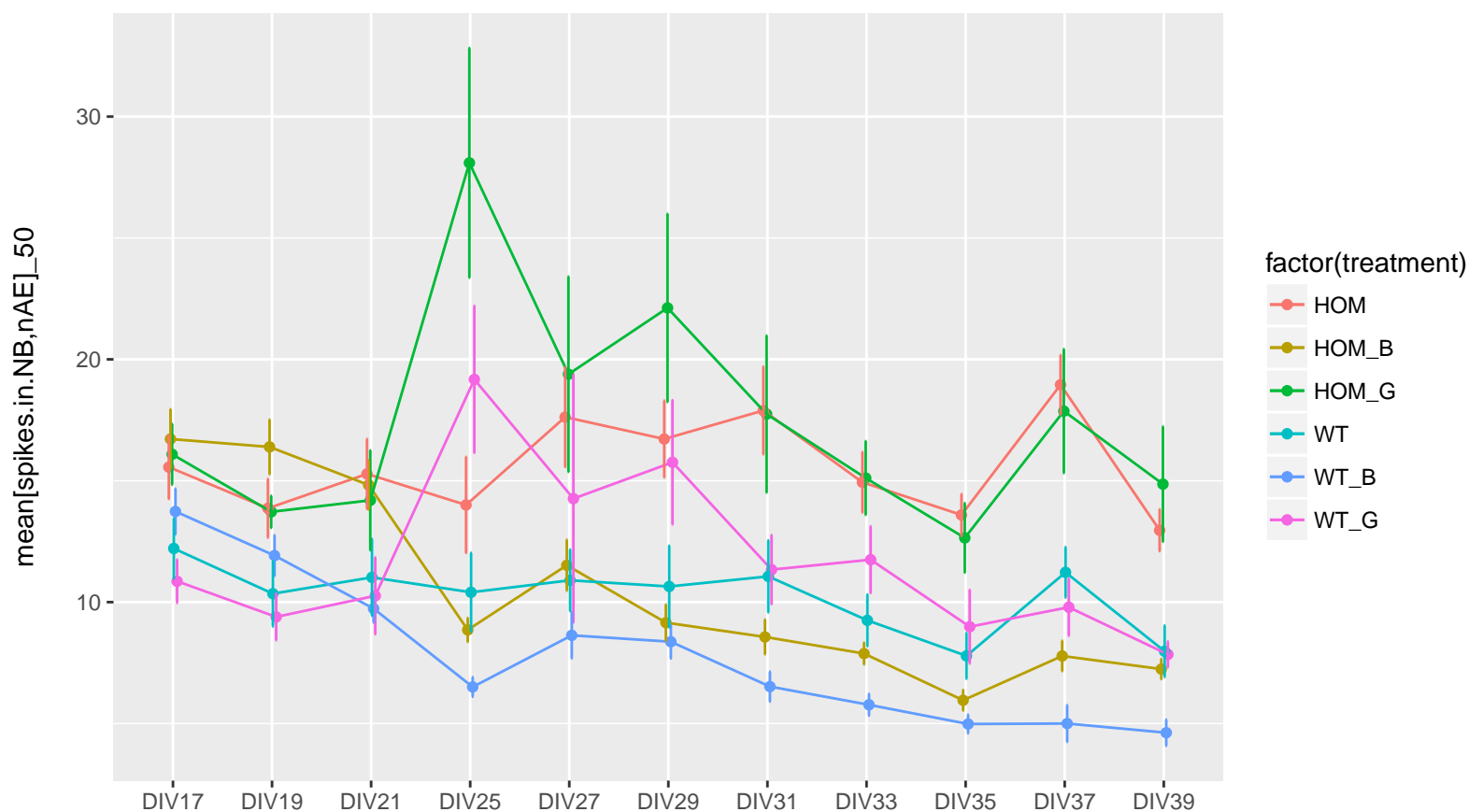
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.02	4.21e−16
2	WT vs. WT_G	0.47	0.0471
3	WT vs. HOM_G	< 0.01	2.89e−13
4	WT vs. WT_B	0.2	0.000324
5	WT vs. HOM_B	0.76	0.539

KCNT1_20170223_11869_mean[spikes.in.NB,nAE,NB.duration]_50
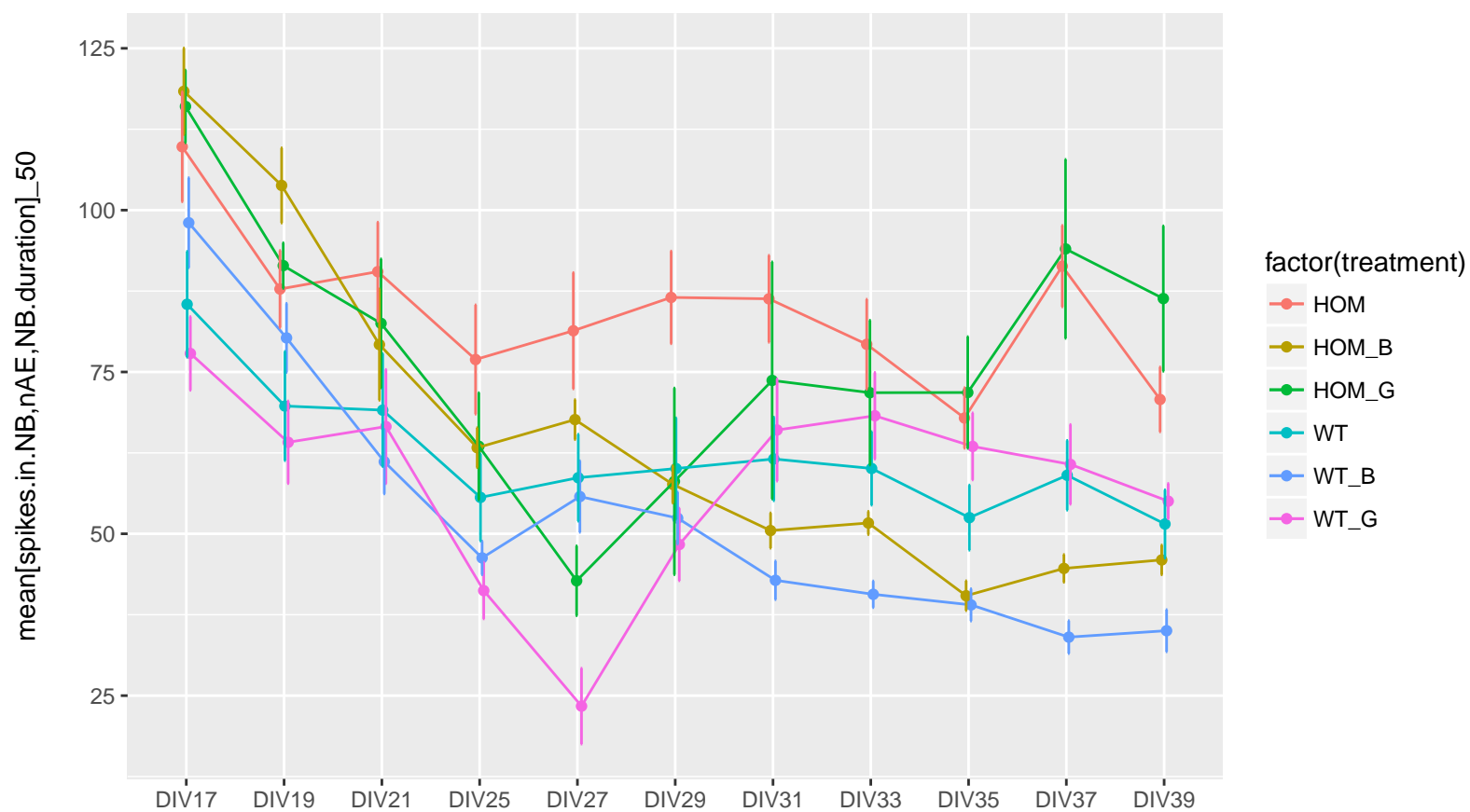
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.01	4.78e−12
2	WT vs. WT_G	0.9	0.725
3	WT vs. HOM_G	0.23	0.000706
4	WT vs. WT_B	0.28	0.00855
5	WT vs. HOM_B	0.71	0.301

KCNT1_20170223_11869_mean[spikes.in.NB]_50
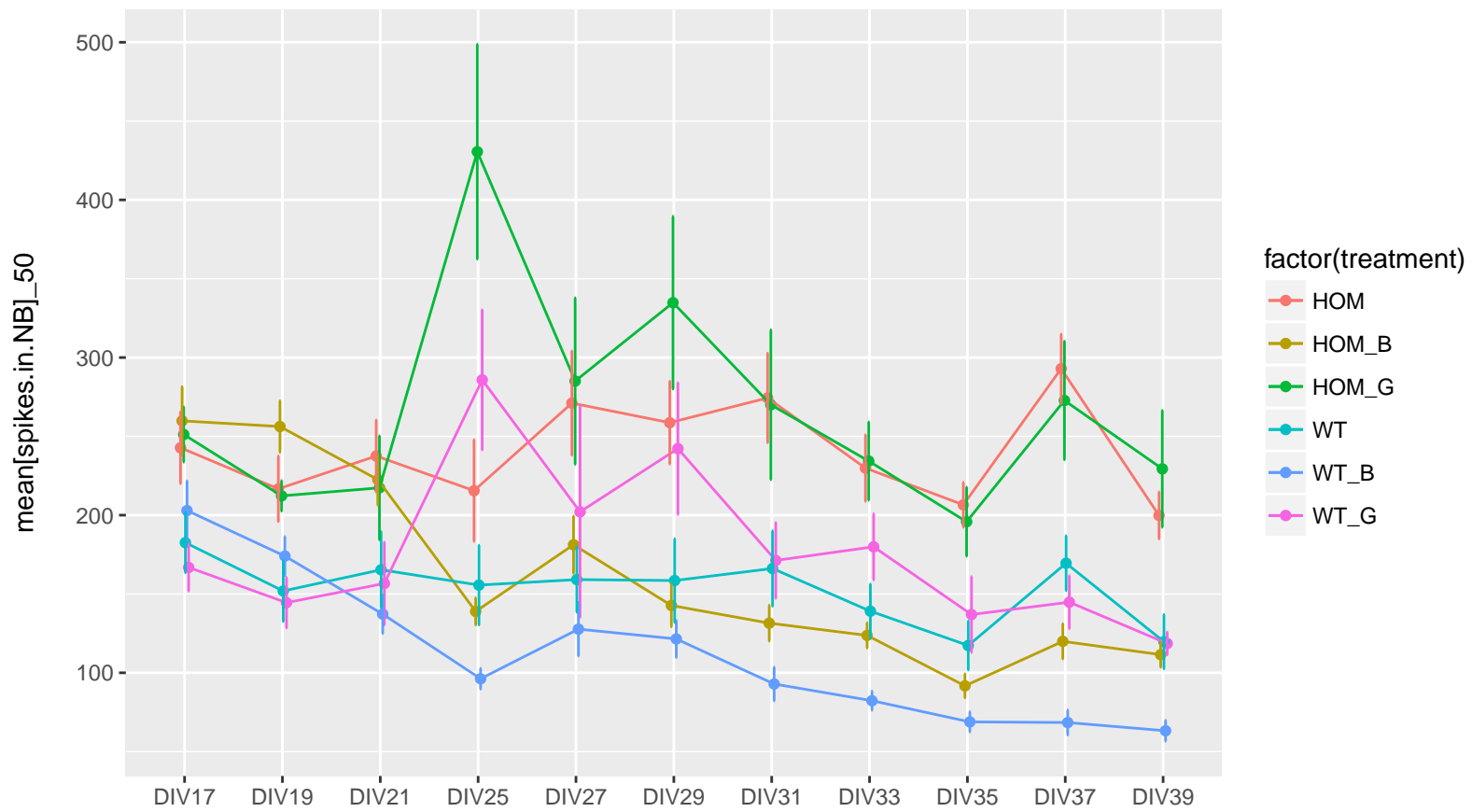
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	< 0.01	6.44e−16
2	WT vs. WT_G	0.35	0.0268
3	WT vs. HOM_G	0.01	7.53e−14
4	WT vs. WT_B	0.2	0.000104
5	WT vs. HOM_B	0.66	0.203

KCNT1_20170223_11869_total.number.of.NBs_50
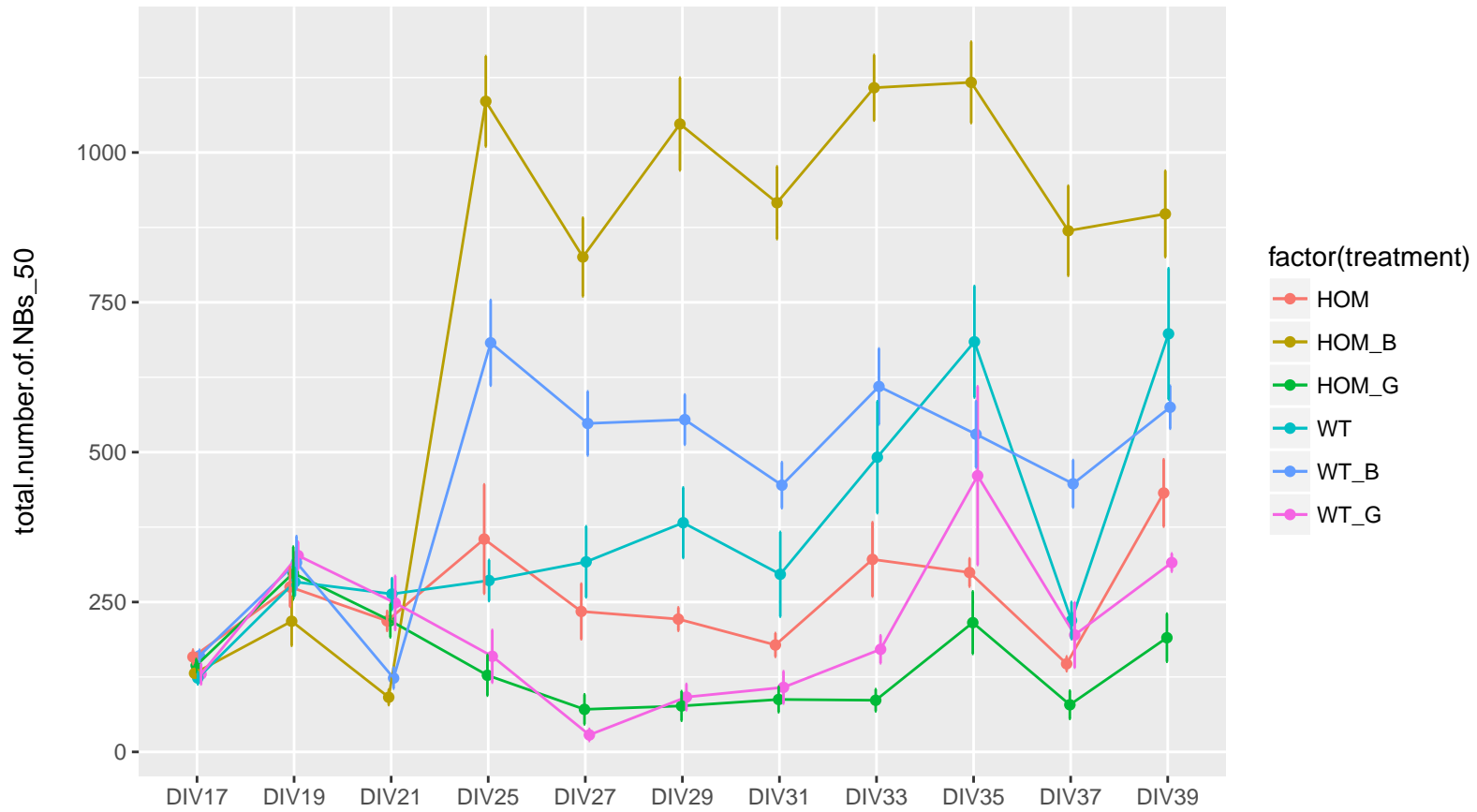
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.06	0.000611
2	WT vs. WT_G	0.01	5.14e−07
3	WT vs. HOM_G	< 0.01	6.16e−13
4	WT vs. WT_B	0.02	0.000161
5	WT vs. HOM_B	< 0.01	2.89e−07

KCNT1_20170223_11869_mean.NB.time.per.sec_200
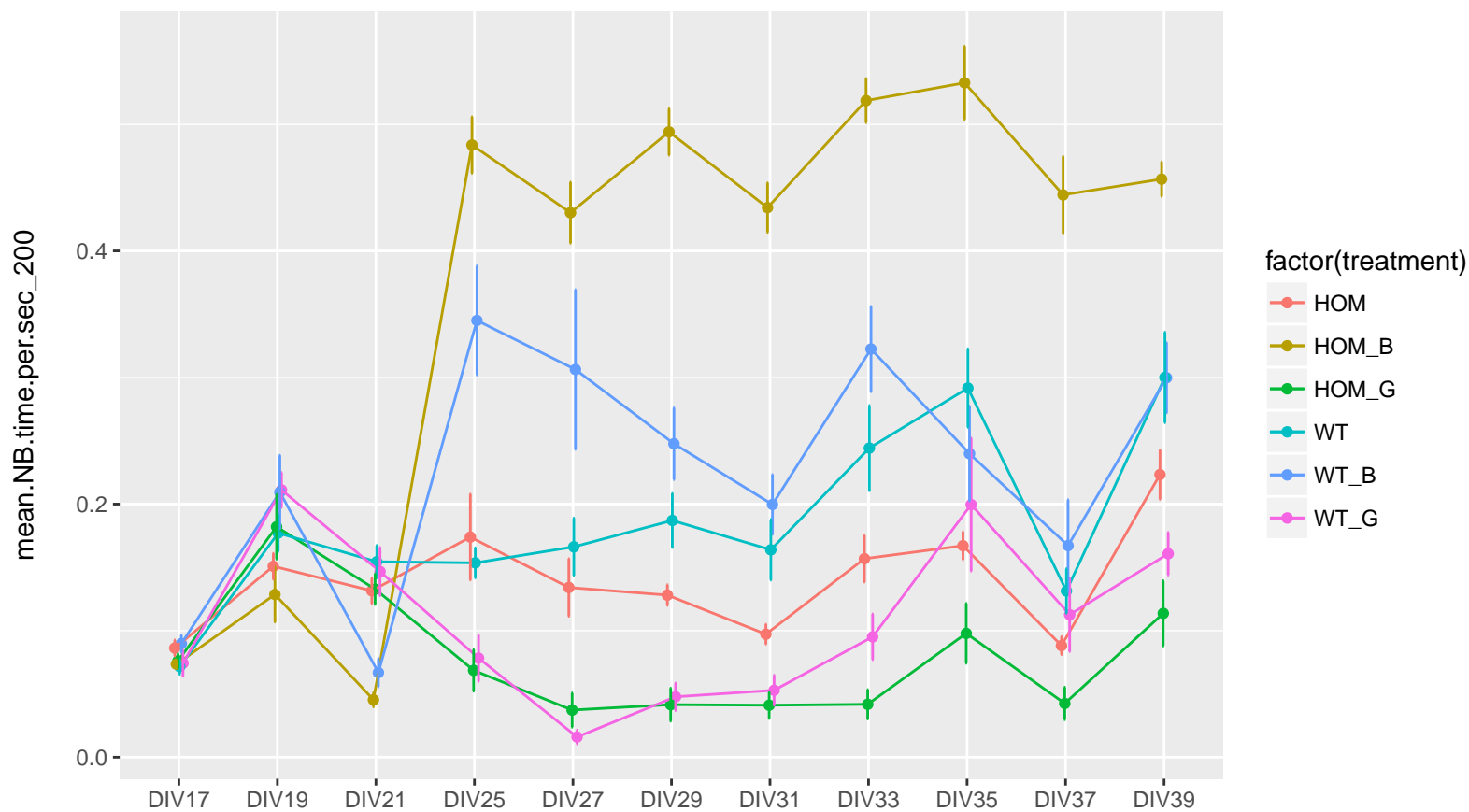
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	< 0.01	4.45e−05
2	WT vs. WT_G	< 0.01	2.82e−08
3	WT vs. HOM_G	< 0.01	5.16e−15
4	WT vs. WT_B	0.13	0.0132
5	WT vs. HOM_B	< 0.01	1.4e−08

KCNT1_20170223_11869_total.spikes.in.all.NBs_200
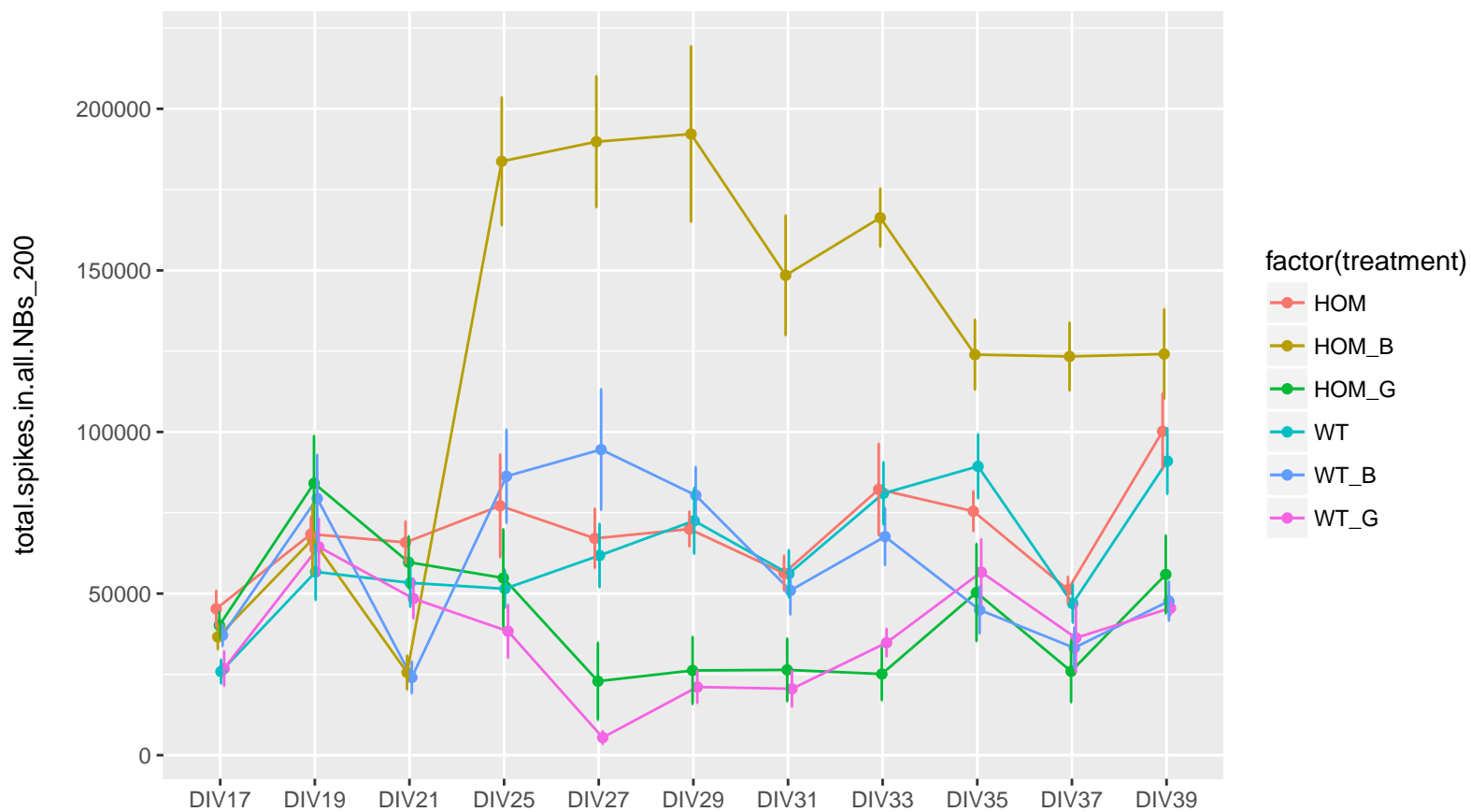
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.48	0.0393
2	WT vs. WT_G	0.04	1.48e−07
3	WT vs. HOM_G	0.08	0.000106
4	WT vs. WT_B	0.73	0.501
5	WT vs. HOM_B	< 0.01	1.1e−10

KCNT1_20170223_11869_percent.of.spikes.in.NBs_200
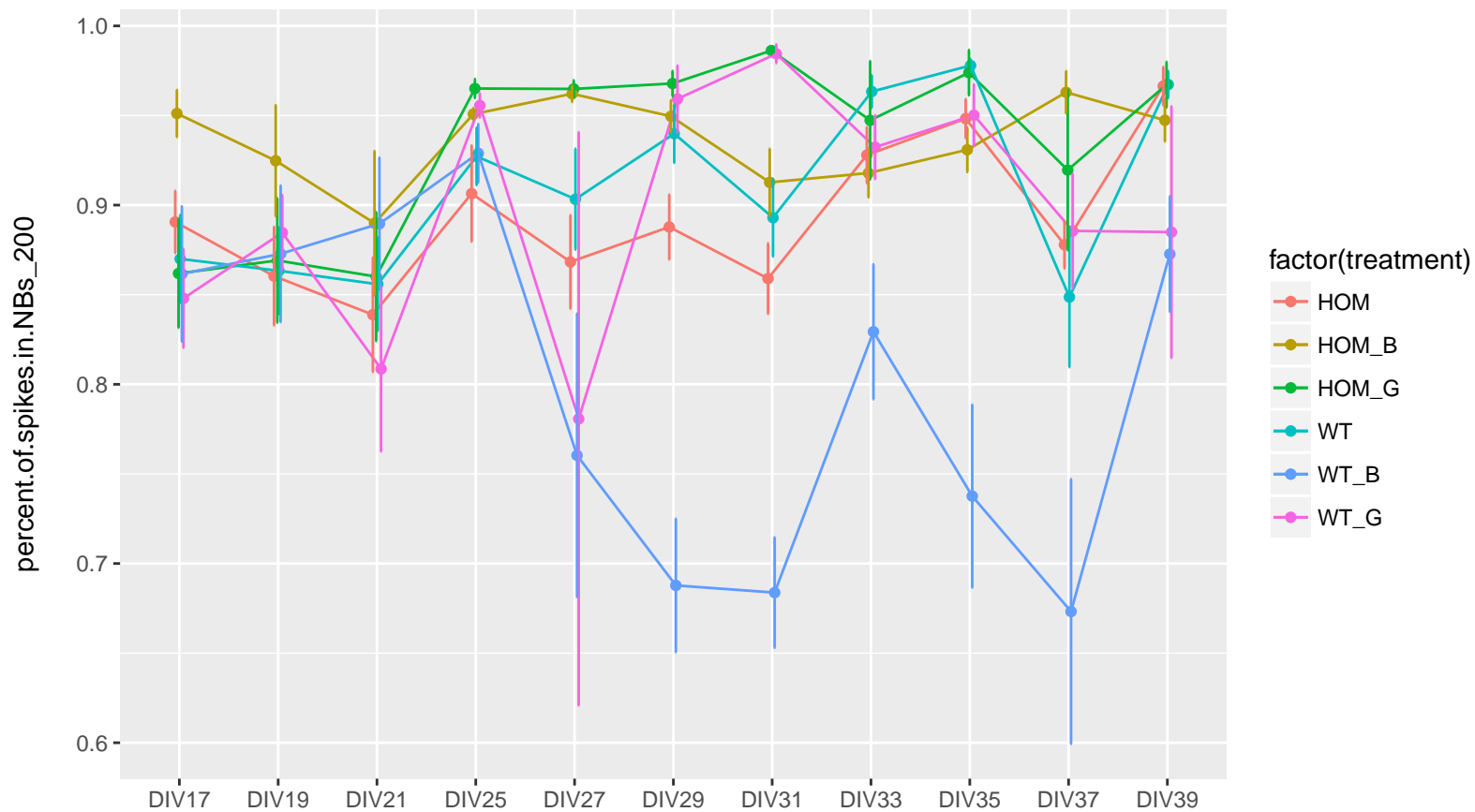
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.32	0.0266
2	WT vs. WT_G	0.94	0.94
3	WT vs. HOM_G	0.17	0.0142
4	WT vs. WT_B	0.02	1.65e−09
5	WT vs. HOM_B	0.63	0.415

KCNT1_20170223_11869_spike.intensity_200
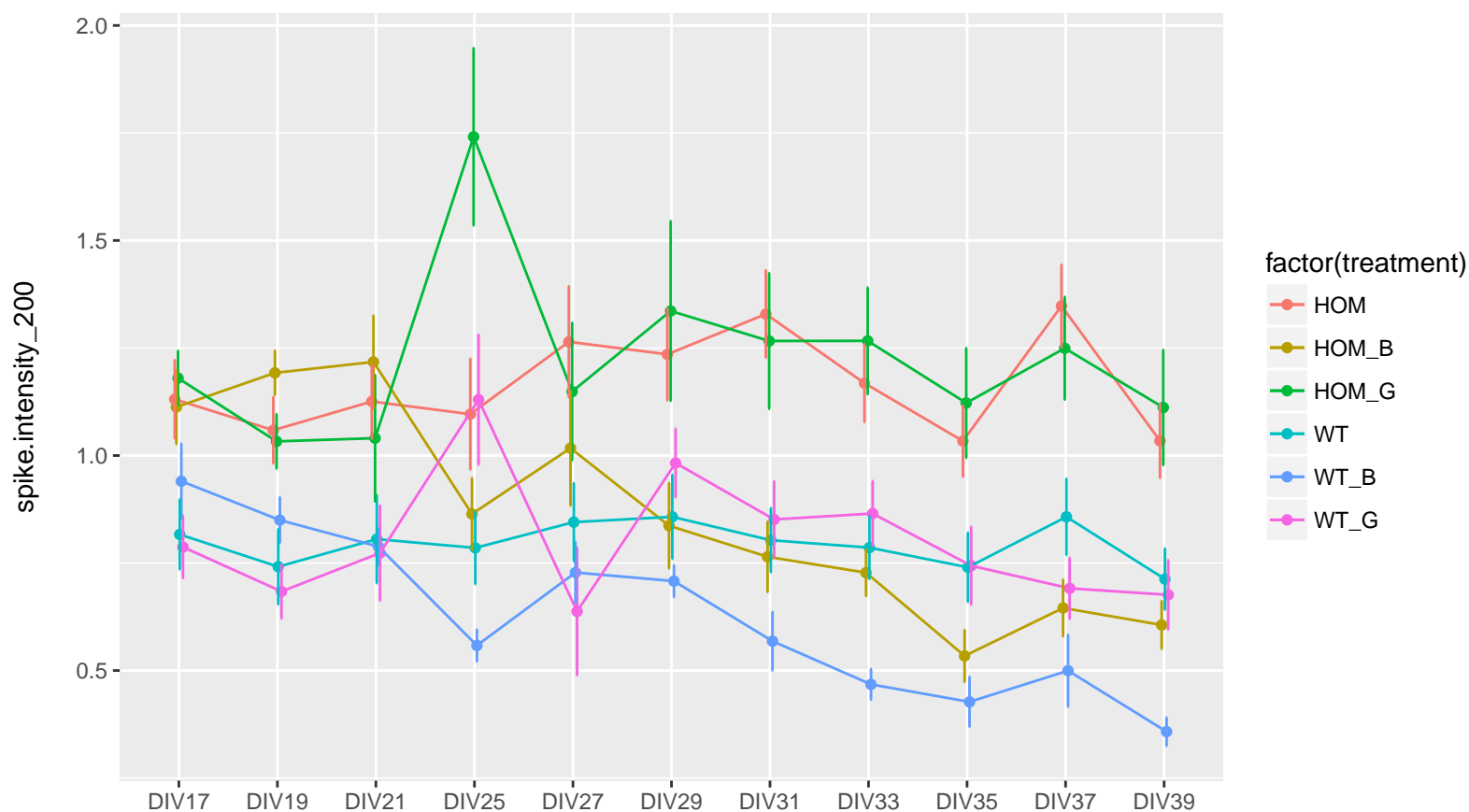
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	< 0.01	2.31e−16
2	WT vs. WT_G	0.79	0.5
3	WT vs. HOM_G	0.02	5.46e−14
4	WT vs. WT_B	0.17	0.000146
5	WT vs. HOM_B	0.52	0.0951

KCNT1_20170223_11869_spike.intensity.by.aEs_200
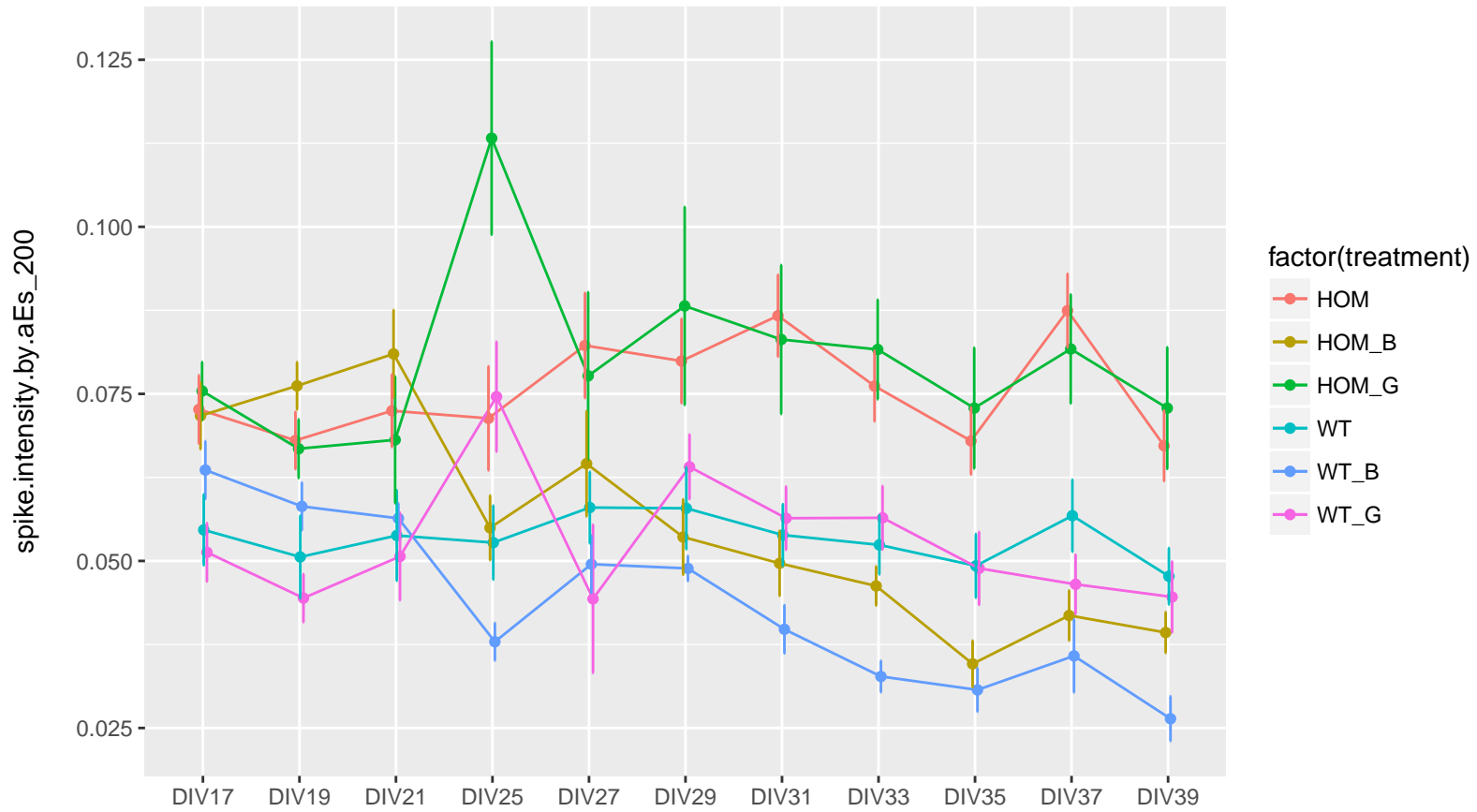
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	< 0.01	4.88e−16
2	WT vs. WT_G	0.91	0.743
3	WT vs. HOM_G	0.01	4.18e−13
4	WT vs. WT_B	0.24	0.000733
5	WT vs. HOM_B	0.68	0.379

KCNT1_20170223_11869_total.spikes.in.all.NBs,nNB_200
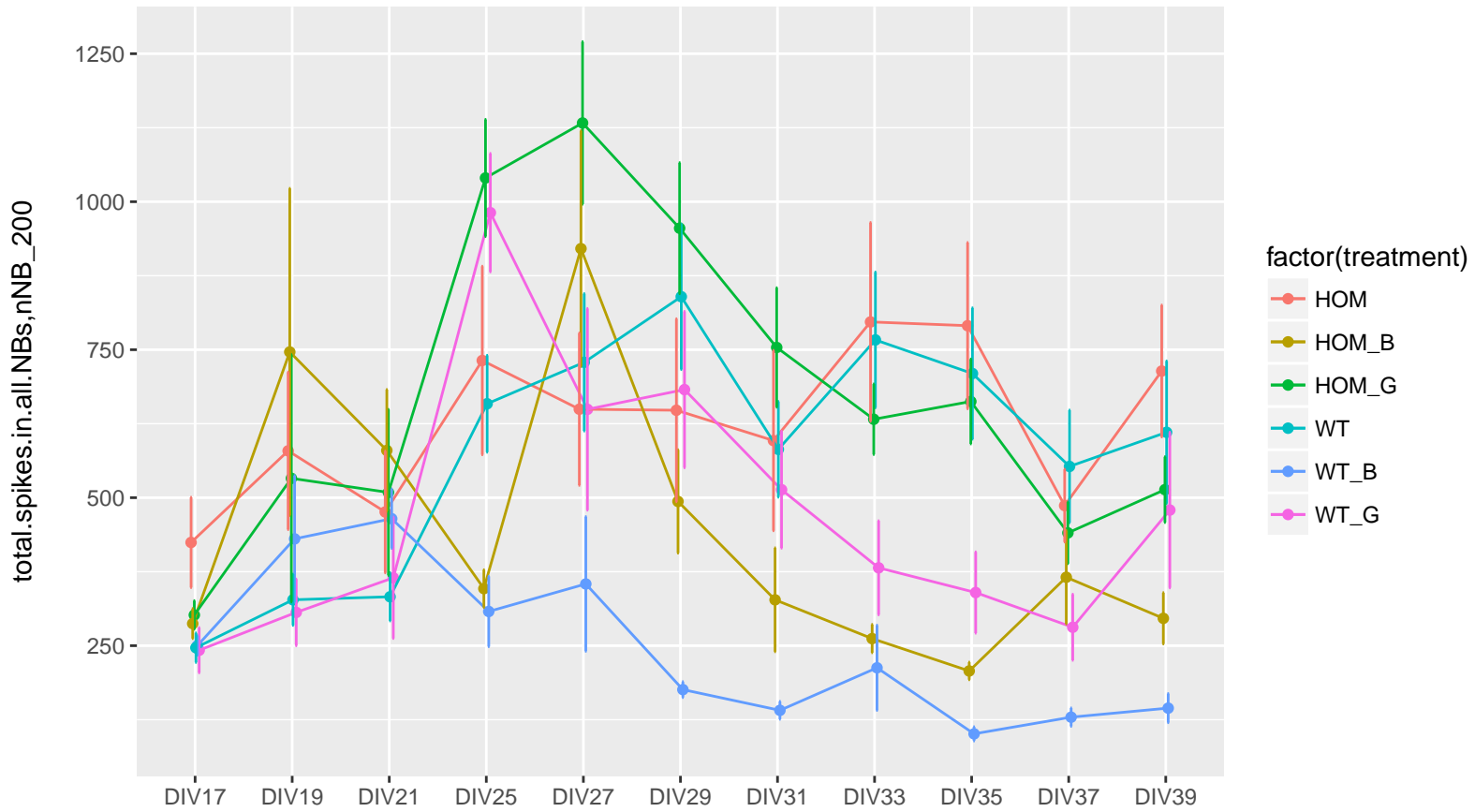
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.69	0.462
2	WT vs. WT_G	0.28	0.0301
3	WT vs. HOM_G	0.21	0.0193
4	WT vs. WT_B	< 0.01	2.28e−14
5	WT vs. HOM_B	0.1	0.0013

KCNT1_20170223_11869_[total.spikes.in.all.NBs,nNB],nAE_200
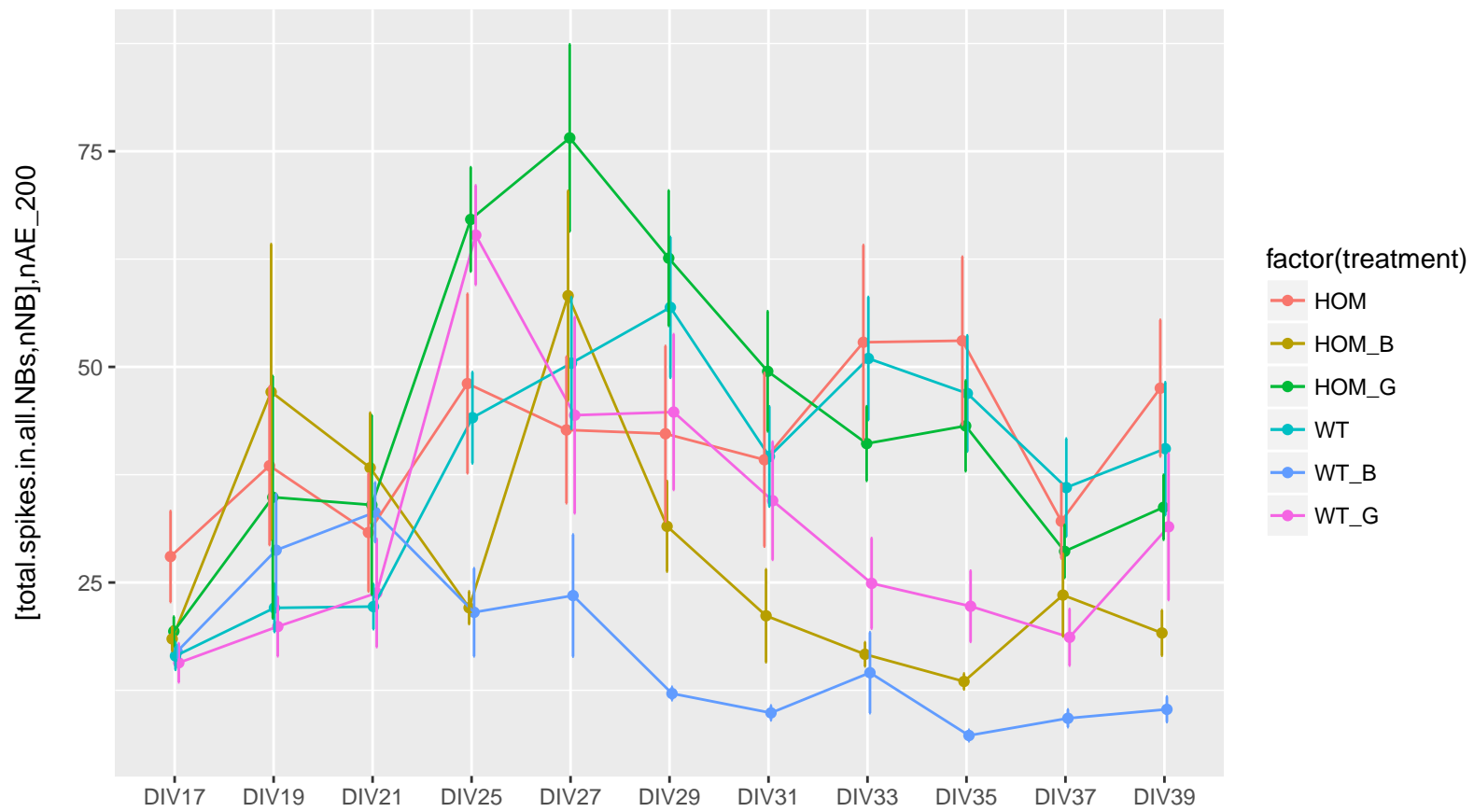
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.97	0.801
2	WT vs. WT_G	0.25	0.0177
3	WT vs. HOM_G	0.33	0.0598
4	WT vs. WT_B	< 0.01	2.06e−14
5	WT vs. HOM_B	0.08	0.000161

KCNT1_20170223_11869_mean[spikes.in.NB,nAE]_200
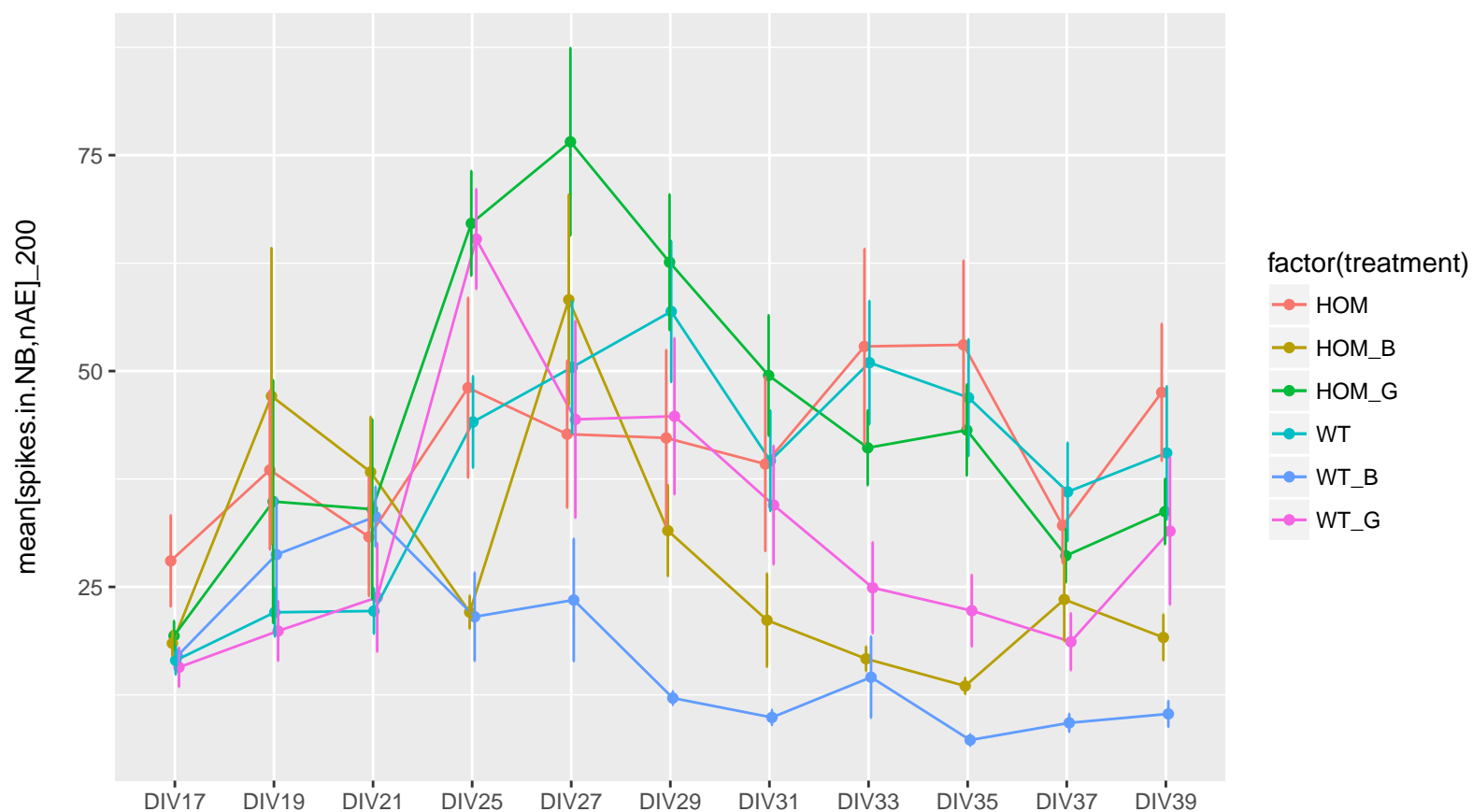
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.88	0.801
2	WT vs. WT_G	0.22	0.0177
3	WT vs. HOM_G	0.36	0.0598
4	WT vs. WT_B	< 0.01	2.06e−14
5	WT vs. HOM_B	0.09	0.000161

KCNT1_20170223_11869_mean[spikes.in.NB,nAE,NB.duration]_200
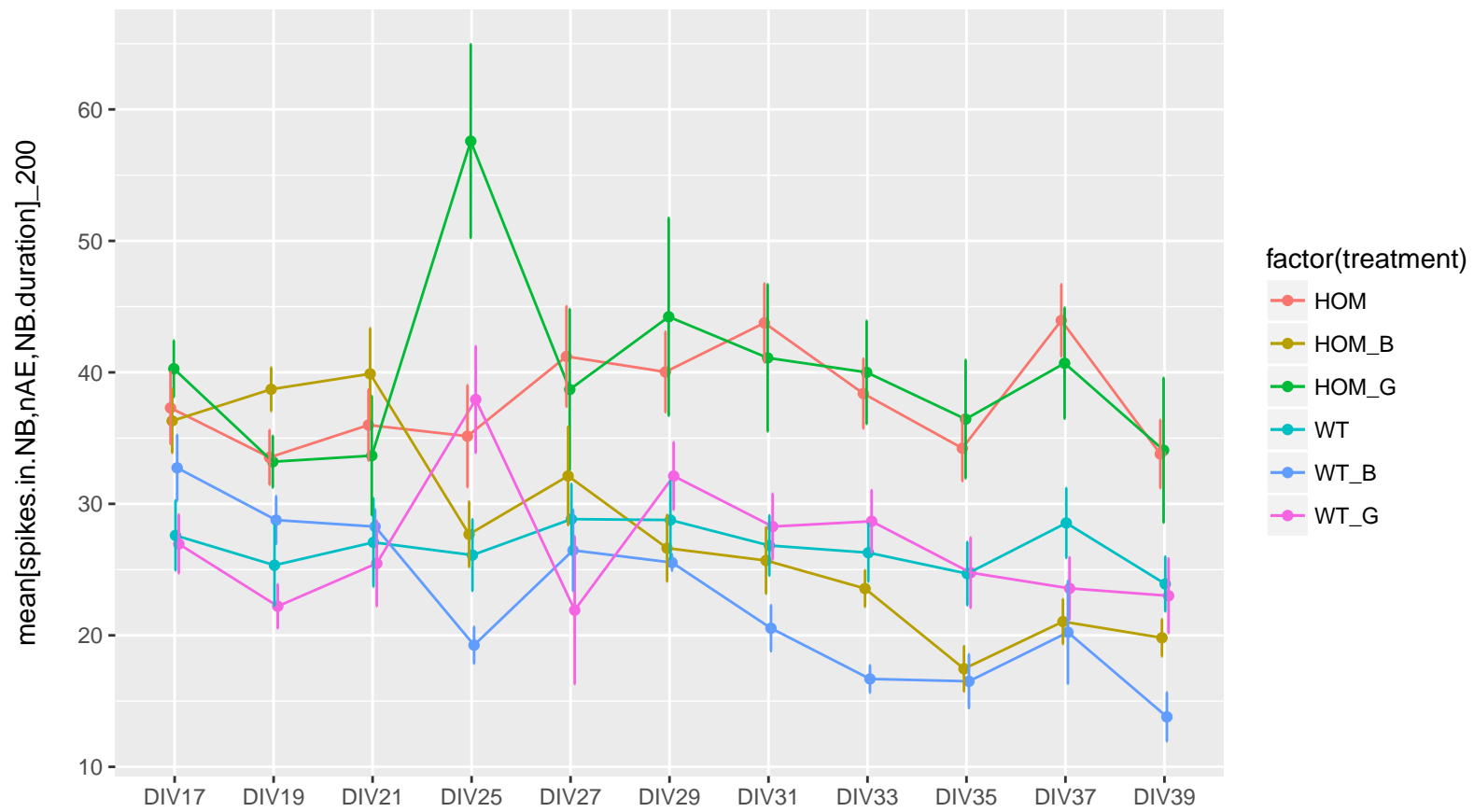
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	< 0.01	2.22e−16
2	WT vs. WT_G	0.86	0.583
3	WT vs. HOM_G	0.01	1.02e−12
4	WT vs. WT_B	0.27	0.00402
5	WT vs. HOM_B	0.68	0.305

KCNT1_20170223_11869_mean[spikes.in.NB]_200
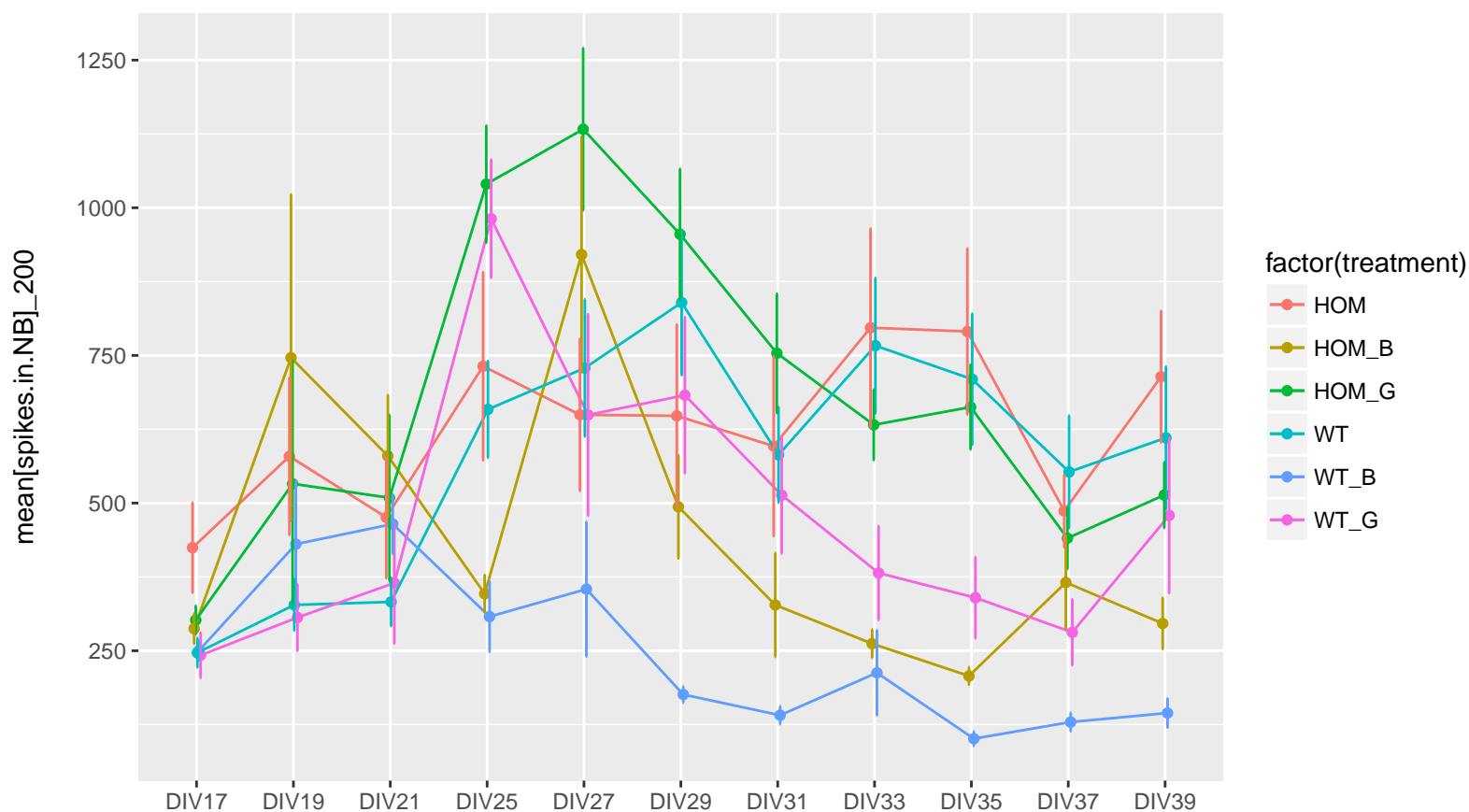
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.82	0.462
2	WT vs. WT_G	0.32	0.0301
3	WT vs. HOM_G	0.2	0.0193
4	WT vs. WT_B	< 0.01	2.28e−14
5	WT vs. HOM_B	0.18	0.0013

KCNT1_20170223_11869_total.number.of.NBs_200
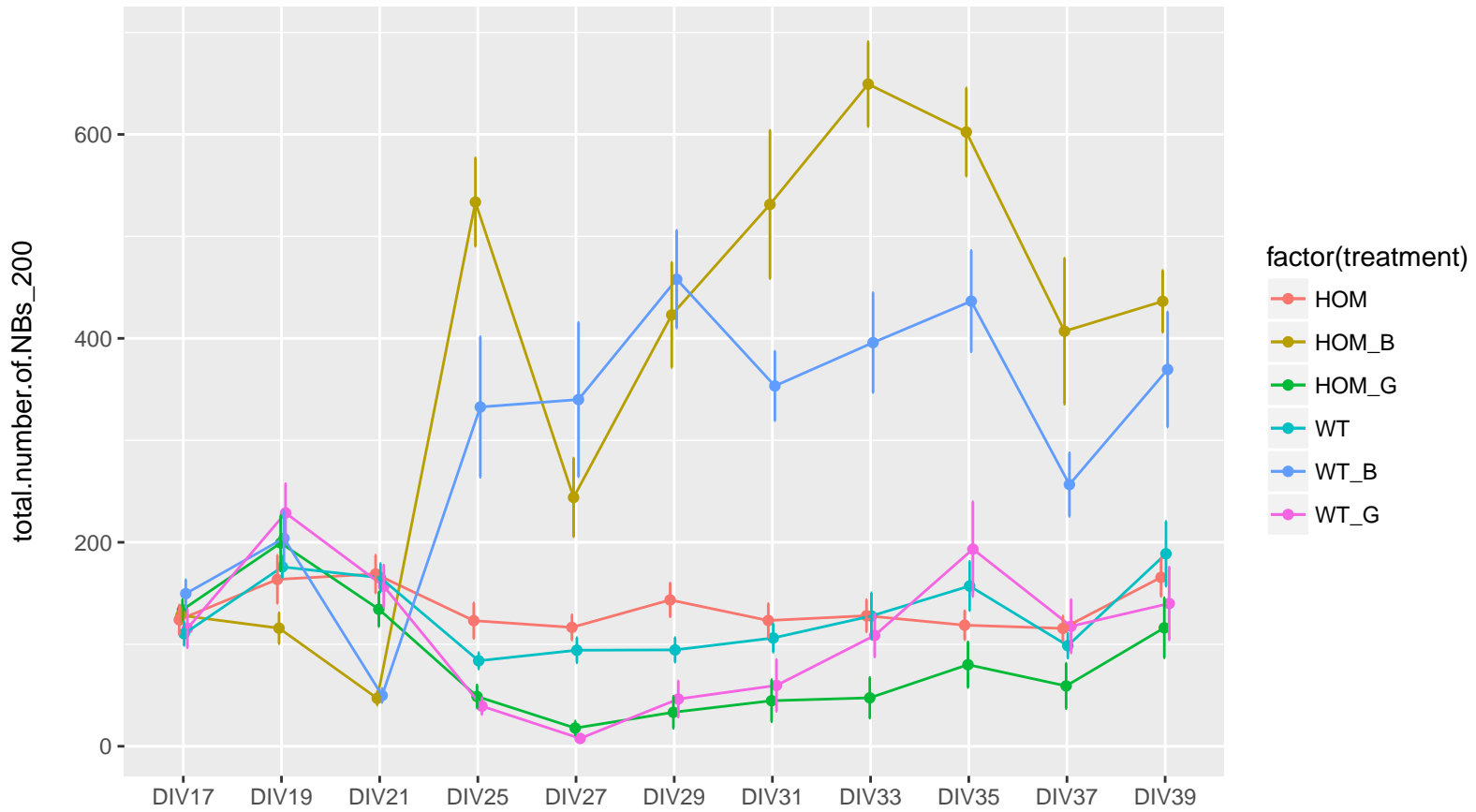
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.46	0.0832
2	WT vs. WT_G	0.2	0.047
3	WT vs. HOM_G	< 0.01	1.91e−05
4	WT vs. WT_B	< 0.01	3.6e−14
5	WT vs. HOM_B	< 0.01	7.46e−13

KCNT1_20170223_11869_n.active.electrodes
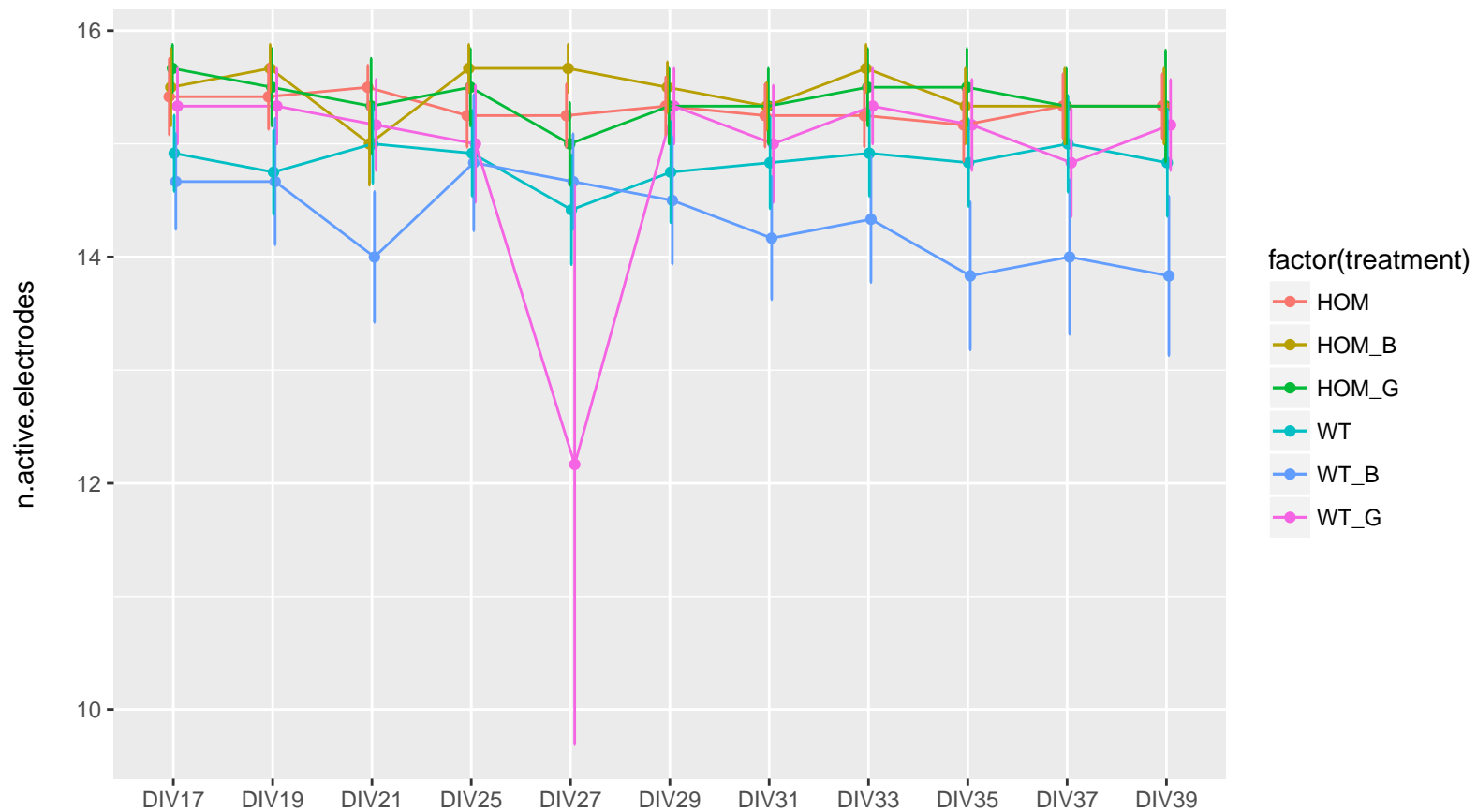
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.44	0.0161
2	WT vs. WT_G	0.77	0.493
3	WT vs. HOM_G	0.4	0.015
4	WT vs. WT_B	0.4	0.00336
5	WT vs. HOM_B	0.36	0.0168

KCNT1_20170223_11869_mfr.per.well
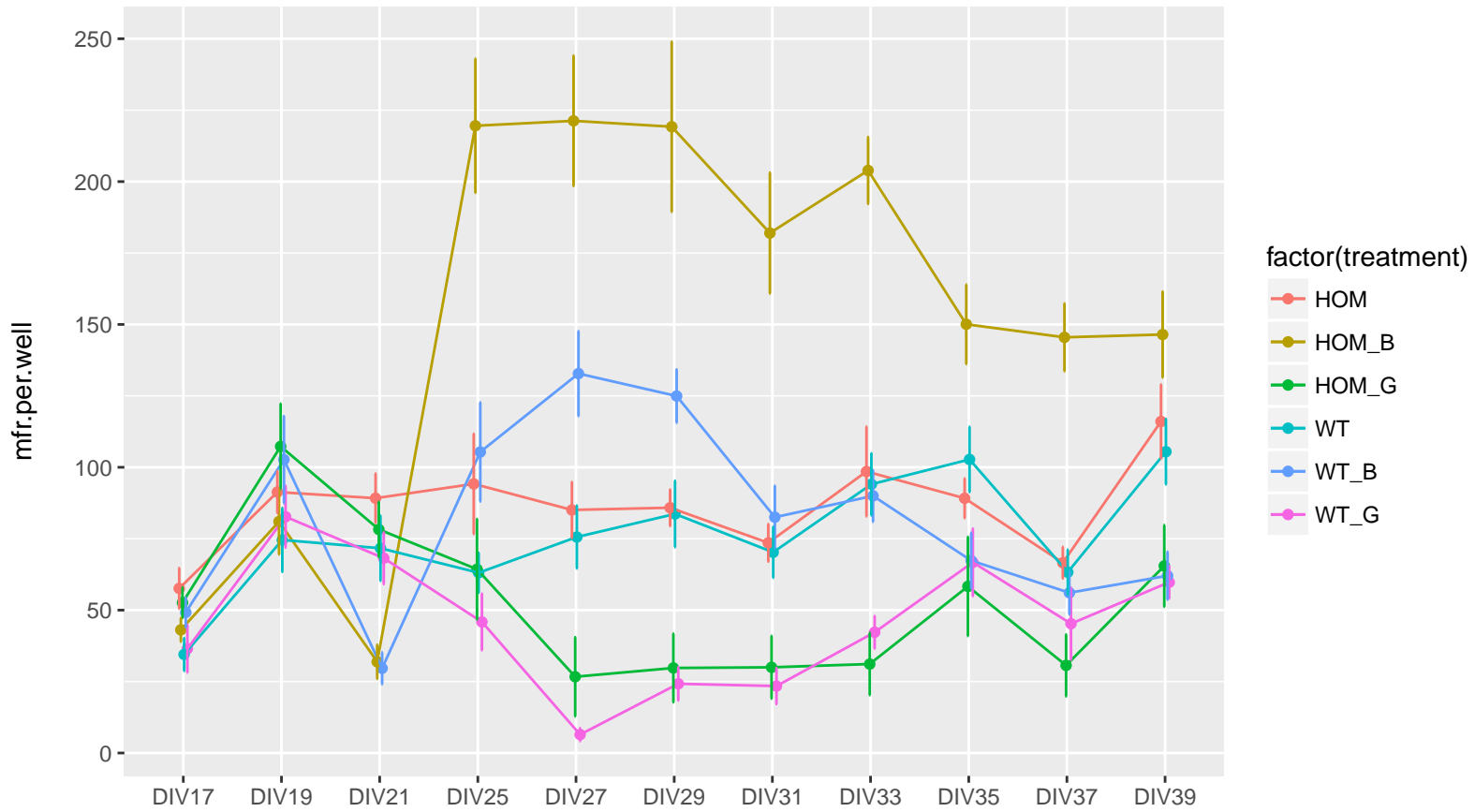
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.25	0.00934
2	WT vs. WT_G	0.02	1.83e−07
3	WT vs. HOM_G	0.04	7.23e−05
4	WT vs. WT_B	0.55	0.29
5	WT vs. HOM_B	< 0.01	1.88e−10

KCNT1_20170223_11869_mfr.per.active.electode
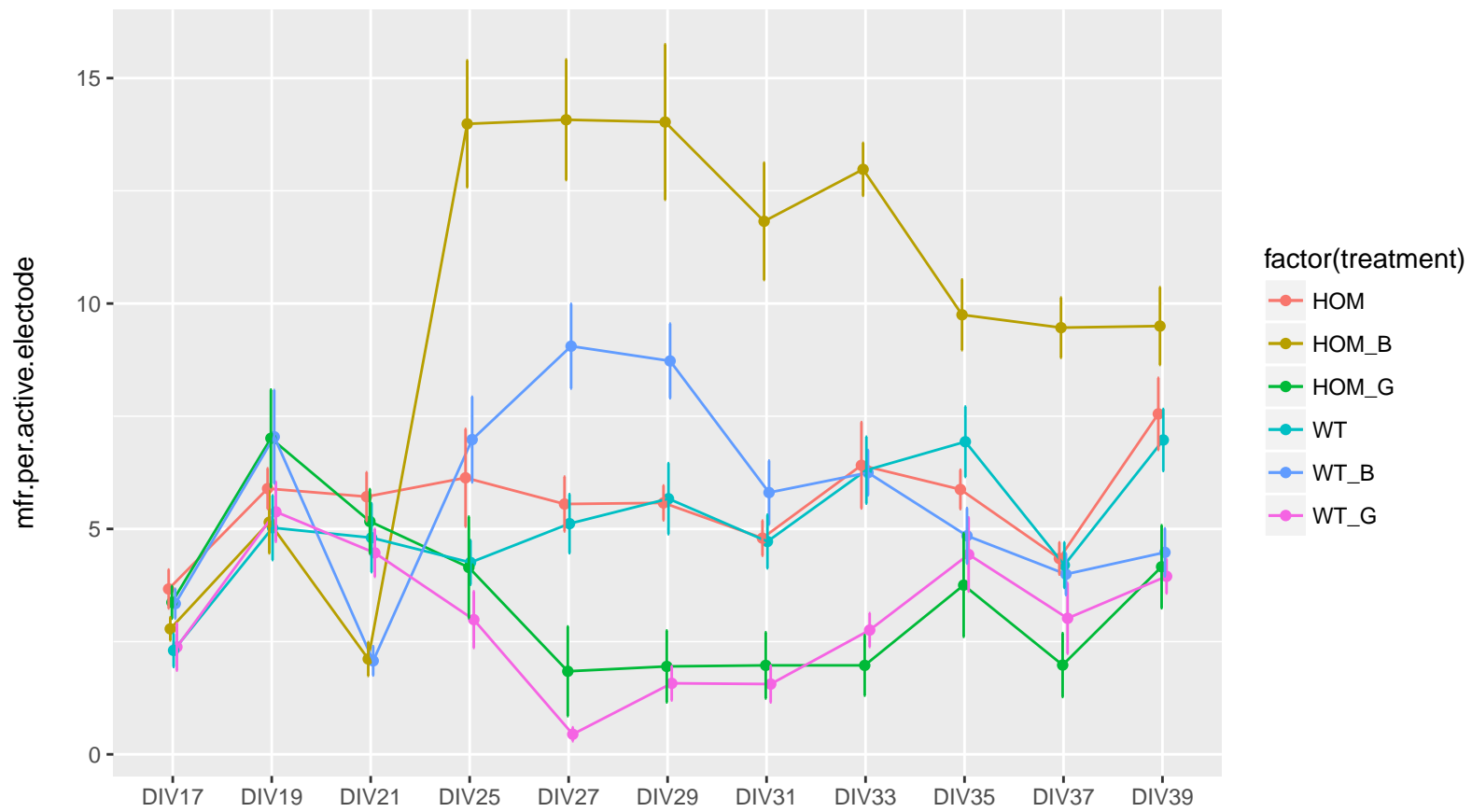
	Treatment/Genotype	perm.pval	MW.pval
1	WT vs. HOM	0.31	0.0339
2	WT vs. WT_G	0.01	2.69e−08
3	WT vs. HOM_G	0.04	1.15e−05
4	WT vs. WT_B	0.59	0.126
5	WT vs. HOM_B	< 0.01	5.75e−10