

microglia activation - global time course comparison of the BDV infected mouse groups

Kruskal-Wallis test

-/-	Tg/-	Tg/Tg
0.0680	0.0007	0.0105

microglia activation - comparison between the BDV infected mouse groups

dpi	Kruskal-Wallis test	Wilcoxon test		
		-/- - Tg/-	-/- - Tg/Tg	Tg/- - Tg/Tg
21	0.0560	-	-	-
28	0.0297	0.0716	0.0210	0.2395
35	0.0799	-	-	-
42	0.0184	0.0265	0.0436	0.2159
49	0.0155	0.0179	0.0436	0.2330

astrogliosis / GFAP staining - comparison between the BDV infected mouse groups

dpi	Kruskal-Wallis test	Wilcoxon test		
		-/- - Tg/-	-/- - Tg/Tg	Tg/- - Tg/Tg
21	0.1127	-	-	-
28	0.0139	0.0471	0.0177	0.1814
35	0.0184	0.0400	0.0443	0.1175
42	0.1950	-	-	-
49	0.1009	-	-	-

Encephalitis score - comparison between the BDV infected mouse groups

dpi	Kruskal-Wallis test	Wilcoxon test		
		-/- - Tg/-	-/- - Tg/Tg	Tg/- - Tg/Tg
21	0.1216	-	-	-
28	0.1047	-	-	-
35	0.0563	-	-	-
42	0.0130	0.0256	0.0416	0.0955
49	0.0124	0.0281	0.0416	0.0606

Clinical investigation comparison of the status of infection groups after BDV infection

dpi	activity	gait on the grid	gait on a flat surface	Wilcoxon test			balance on a stick
	Kruskal-Wallis test	Kruskal-Wallis test	Kruskal-Wallis test	-/- - Tg/-	-/- - Tg/Tg	Tg/- - Tg/Tg	Kruskal-Wallis test
21	0.5790	0.6086	1.000	-	-	-	0.1573
28	0.9703	0.7071	0.7558	-	-	-	0.3184
35	0.1816	0.7297	0.5238	-	-	-	0.9555
42	0.1108	0.4391	0.0389	0.4237	0.1056	0.0416	0.9281
49	0.7280	0.7877	0.4236	-	-	-	0.3501

Clinical investigation comparison between non transgenic mice after BDV infection and controls

dpi	Wilcoxon test			
	activity	gait on the grid	gait on a flat surface	balance on a stick
21	1.000	0.1336	1.000	1.000
28	1.000	0.8308	0.7518	0.7237
35	0.1949	0.3340	0.7518	0.1514
42	0.3017	0.1719	0.6056	0.1175
49	0.7518	0.1595	0.4687	0.1595

Clinical investigation comparison between heterozygous transgenic mice after BDV infection and controls

dpi

Wilcoxon test

	activity	gait on the grid	gait on a flat surface	balance on a stick
21	0.1904	0.0759	0.1489	1.000
28	0.8257	0.1555	0.4624	0.1876
35	0.0641	1.000	1.000	0.0416
42	0.4017	0.2801	1.000	0.4113
49	0.8611	0.0715	0.5445	0.2108

Clinical investigation comparison between homozygous transgenic mice after BDV infection and controls

dpi

Wilcoxon test

	activity	gait on the grid	gait on a flat surface	balance on a stick
21	0.6926	0.1336	1.000	1.000
28	0.8057	0.0732	0.4624	0.5338
35	0.3894	0.5224	0.6056	0.2207
42	0.4142	0.4677	0.2188	0.1281
49	1.000	0.2128	0.3329	0.6386