

Pairwise comparison with C57BL/6j (Sig. Tukey HSD)

Strain average

NR	Name	Segment	Units	Df between Groups	Df within Groups	ANOVA F	Bonferroni p-value	Genetic effect size	Lowest scoring strain	Highest scoring strain	Pairwise comparison with C57BL/6j (Sig. Tukey HSD)																Strain average															
											129S1/Svl		BALB/cBy		C3H/Hej	CAST/EiJ	DBA/2J	FVB/NJ	NOD/LU	PWK/PhJ	WSB/EiJ	129S1/Svl/Aj	BALB/cByJ	C3H/Hej	C57BL/6j	CAST/EiJ	DBA/2J	FVB/NJ	NOD/LU	PWK/PhJ	WSB/EiJ	129S1/Svl/Aj	BALB/cByJ	C3H/Hej	C57BL/6j	CAST/EiJ	DBA/2J	FVB/NJ	NOD/LU	PWK/PhJ	WSB/EiJ	
											μ	A/J	J	A/J																												
1	Long movement threshold	Move	cm	10	426	42.695	0.000	Sign.	0.35	C3H/Hej	NOD/LU	0.000	0.000	0.027	0.000	0.277	0.000	0.000	0.000	0.005	0.000	0.924	1.267892	1.387717	1.652838	0.991547	1.878111	1.614233	1.166435	1.439779	2.177708	1.319855	1.721603									
2	Long movement max. velocity	Move	cm/s	10	426	47.182	0.000	Sign.	0.38	A/J	C57BL/6j	0.000	0.000	0.000	0.000	0.213	0.000	0.000	0.000	0.955	0.276	17.93782	13.92651	18.10615	14.61253	21.05788	19.159	16.52427	17.45317	18.60651	20.09418	19.24213										
3	Long movement fraction of total movement	Move	fraction	10	426	26.113	0.000	Sign.	0.25	NOD/LU	A/J	0.000	0.000	0.325	0.005	0.001	0.000	0.000	0.002	0.000	0.000	0.024	0.459839	0.474067	0.42665	0.448233	0.405638	0.471381	0.453579	0.447432	0.325387	0.472582	0.456923									
4	Long movement distance - dark	Move	cm	10	426	97.379	0.000	Sign.	0.56	C3H/Hej	BALB/c	0.000	1.000	0.000	0.000	0.534	0.000	0.000	0.000	1.000	1.000	0.962	12769.68	28248.29	45666.82	6030.434	28490.58	23138.57	15215.03	18983.94	29833.38	29432.56	25047.8									
5	Long movement distance - light	Move	cm	10	426	41.413	0.000	Sign.	0.35	DBA/2J	FVB/NJ	0.905	0.000	0.684	0.240	0.000	0.000	0.000	0.000	0.004	1.000	1.000	2612.996	1106.348	4110.971	2083.289	3156.879	8752.36	721.9988	12673.56	5604.669	3383.263	3363.93									
6	Long movement number - dark	Move	frequency	10	426	77.242	0.000	Sign.	0.50	C3H/Hej	BALB/c	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.001	0.976	1.000	1.000	1110.069	2546.826	3419.739	691.2448	1847.476	1899.274	1327.897	1439.459	1722.001	1899.718	1899.696									
7	Long movement number - light	Move	frequency	10	426	33.033	0.000	Sign.	0.30	DBA/2J	FVB/NJ	1.000	0.000	0.195	1.000	0.000	0.000	0.000	0.000	0.279	0.991	1.000	232.8619	117.5158	302.7213	236.3332	214.6689	713.4954	70.80362	896.5621	302.5565	266.0615	247.2908									
8	Mean long movement distance - dark	Move	cm	10	426	45.788	0.000	Sign.	0.37	C3H/Hej	NOD/LU	1.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.014	1.000	0.061	11.52258	11.10224	13.62912	8.737224	15.42992	12.19215	11.46467	13.21925	17.37496	13.20138									
9	Mean long movement distance - light	Move	cm	10	424	47.319	0.000	Sign.	0.38	C3H/Hej	NOD/LU	0.000	0.000	0.445	0.000	0.043	0.000	0.994	0.000	0.193	0.954	1.000	11.27485	9.556553	13.10133	8.827662	14.72833	12.27778	10.24471	14.16757	18.54993	12.72377	13.65094									
10	Mean short movement distance - dark	Move	cm	10	426	49.160	0.000	Sign.	0.39	C3H/Hej	NOD/LU	0.000	0.000	0.996	0.000	0.044	0.000	0.001	0.000	0.000	0.000	1.000	1.016801	1.162625	1.310537	0.917289	1.347164	1.264493	0.927123	1.179344	1.674223	0.98663	1.371709									
11	Mean short movement distance - light	Move	cm	10	425	37.736	0.000	Sign.	0.33	DBA/2J	NOD/LU	0.000	0.000	1.000	0.000	1.000	0.000	0.684	0.000	0.000	0.000	1.000	1.038941	1.10365	1.231383	0.915299	1.256484	1.254532	0.91504	1.185377	1.559731	0.990052	1.28669									
12	Short movement distance - dark	Move	cm	10	426	35.839	0.000	Sign.	0.52	C3H/Hej	NOD/LU	0.000	1.000	0.000	0.000	0.022	0.000	0.000	0.000	0.000	0.000	0.000	0.632	1456.939	3920.735	7366.224	912.5694	3790.487	2642.341	1824.762	2695.796	8193.259	2141.202	3076.258								
13	Short movement distance - light	Move	cm	10	426	38.833	0.000	Sign.	0.33	DBA/2J	FVB/NJ	0.000	0.000	0.004	0.002	0.039	0.000	0.000	0.000	0.000	0.000	0.648	808	323.1872	315.3066	963.4294	314.3095	582.5233	1138.868	138.8825	1637.645	1113.478	393.282	408.7467								
14	Short movement number - dark	Move	frequency	10	426	121.568	0.000	Sign.	0.61	C3H/Hej	BALB/c	0.000	0.020	0.000	0.000	0.011	0.000	0.007	0.000	0.035	0.209	1.000	1439.687	3387.574	5643.324	988.905	2829.597	2100.698	1971.667	2298.569	4934.996	2177.742	2279.517									
15	Short movement number - light	Move	frequency	10	426	32.510	0.000	Sign.	0.29	DBA/2J	FVB/NJ	0.013	0.004	0.001	0.513	0.015	0.000	0.000	0.023	0.999	0.668	1.000	315.781	290.1367	785.9602	344.5919	465.6256	912.8318	152.2945	1390.221	720.5102	398.2701	322.1956									
16	Long arrest threshold	Arrest	s	10	426	51.252	0.000	Sign.	0.40	BALB/c	PWK/PhJ	1.000	0.241	0.000	0.000	1.000	0.000	1.000	0.000	0.000	0.000	0.019	5.027887	4.589597	2.737661	6.544206	5.079374	5.140757	7.3209	5.049824	3.589517	7.729463	0.408411									
17	Long arrest duration - dark	Arrest	s	10	426	47.714	0.000	Sign.	0.38	FVB/NJ	PWK/PhJ	0.000	0.970	0.151	0.000	0.909	0.000	0.000	0.000	0.000	0.000	0.000	0.993	8795.786	11722.116	9554.273	14903.77	10991.57	12396.18	15343.6	5679.788	8374.65	22095.26	11954.08								
18	Long arrest duration - light	Arrest	s	10	426	24.964	0.000	Sign.	0.24	A/J	CAST/EiJ	0.447	0.000	0.805	0.000	0.000	0.000	0.084	0.977	1.000	0.883	1.000	2195.921	1224.914	2284.433	4769.29	2784.391	7171.029	1425.272	3719.533	2407.401	2671.289	2063.521									
19	Long arrest number - dark	Arrest	frequency	10	426	118.651	0.000	Sign.	0.61	C3H/Hej	BALB/c	0.000	0.000	0.000	0.000	1.000	0.001	0.015	0.000	0.000	1.000	1.000	290.8578	722.6046	979.0071	176.107	461.8333	460.6528	373.8795	385.1742	669.7509	457.3117	459.8356									
20	Long arrest number - light	Arrest	frequency	10	426	44.209	0.000	Sign.	0.36	DBA/2J	FVB/NJ	0.000	0.000	0.000	0.065	0.000	0.000	0.000	0.009	0.769	0.988	1.000	50.5511	46.07299	172.6958	57.99419	89.24638	223.2373	22.90722	243.9676	142.3938	64.32789	72.15801									
21	Mean long arrest duration - dark	Arrest	s	10	426	158.628	0.000	Sign.	0.67	BALB/c	C3H/Hej	0.000	0.000	0.000	0.000	0.918	0.000	0.000	0.000	0.000	0.000	0.991	30.30279	16.24154	9.775541	84.69614	23.82129	26.96093	41.07947	14.79411	12.57172	48.38119	26.06684									
22	Mean long arrest duration - light	Arrest	s	10	414	60.900	0.000	Sign.	0.45	BALB/c	C3H/Hej	0.199	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.997	0.672	34.20001	17.02778	12.14564	74.99792	28.5089	30.92807	43.99081	14.71751	14.70663	31.80912	22.46282									
23	Mean short arrest duration - dark	Arrest	s	10	426	34.891	0.000	Sign.	0.31	BALB/c	PWK/PhJ	0.980	0.746	0.000	0.000	0.875	0.000	0.141	0.018	0.000	0.251	1.000	1.014108	0.92598	0.765334	1.197022	0.980983	1.058902	1.309114	1.074756	0.807071	1.32998	0.861658									
24	Mean short arrest duration - light	Arrest	s	10	425	27.075	0.000	Sign.	0.26	BALB/c	PWK/PhJ	0.014	0.991	0.000	0.001	0.929	0.000	0.833	0.000	0.000	0.958	1.000	0.91983	0.987039	0.833256	1.190853	1.022612	1.098958	1.282194	1.082318	0.833518	1.359736	0.95475									
25	Short arrest duration - dark	Arrest	s	10	426	55.777	0.000	Sign.	0.42	C3H/Hej	BALB/c	0.000	0.001	0.000	0.000	0.999	0.000	0.675	0.000	0.262	0.262	1.000	2522.262	5210.491	6549.421	1894.709	4330.422	4072.749	4029.223	3905.393	5617.049	5130.209	3505.593									
26	Short arrest duration - light	Arrest	s	10	426	28.827	0.000	Sign.	0.27	DBA/2J	FVB/NJ	0.199	0.003	0.611	1.000	0.000	0.000	0.000	0.000	0.925	0.888	1.000	478.9904	394.9211	805.8191	633.8635	635.7747	1604.999	266.4115	2262.026	762.9314	842.4207	497.038									
27	Short arrest number - dark	Arrest	frequency	10	426	118.492	0.000	Sign.	0.61	C3H/Hej	BALB/c	0.000	0.000	0.000	0.000	0.619	0.000	0.000	0.000	0.000	0.723	0.977	2360.838	5431.937	8415.93	1543.412	4356.333	3735.841	2997.172	3464.351	6209.979	3794.78	3966.099									
28	Short arrest number - light	Arrest	frequency	10	426	31.220	0.000	Sign.	0.28	DBA/2J	FVB/NJ	0.882	0.010	0.009	0.988	0.000	0.000	0.000	0.000	0.000	0.998	1.000	527.164	401.3426	973.6191	534.837	625.1368	1467.828	210.0287	2103.591	918.5993	622.9752	525.2704									
29	Long shelter visit threshold	Sheltering	s	10	426	16.196	0.000	Sign.	0.17	129S1/Sv	PWK/PhJ	0.000	0.000	0.001	0.910	0.358	0.000	0.452	0.040	1.000	0.029	1.000	9.094496	9.163356	9.809482	10.18409	10.44466	9.884617	9.567924	10.08706	9.360402	10.51718	9.653116									
30	Short shelter visit threshold	Sheltering	s	10	426	31.351	0.000	Sign.	0.28	BALB/c	C3H/Hej	0.067	0.000	0.000	0.000	0.942	0.103	0.896	0.889	0.947	0.997	1.000	4.025451	3.478327																		