Test for any data set

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## Error in source(wf, echo = F): object 'wf' not found
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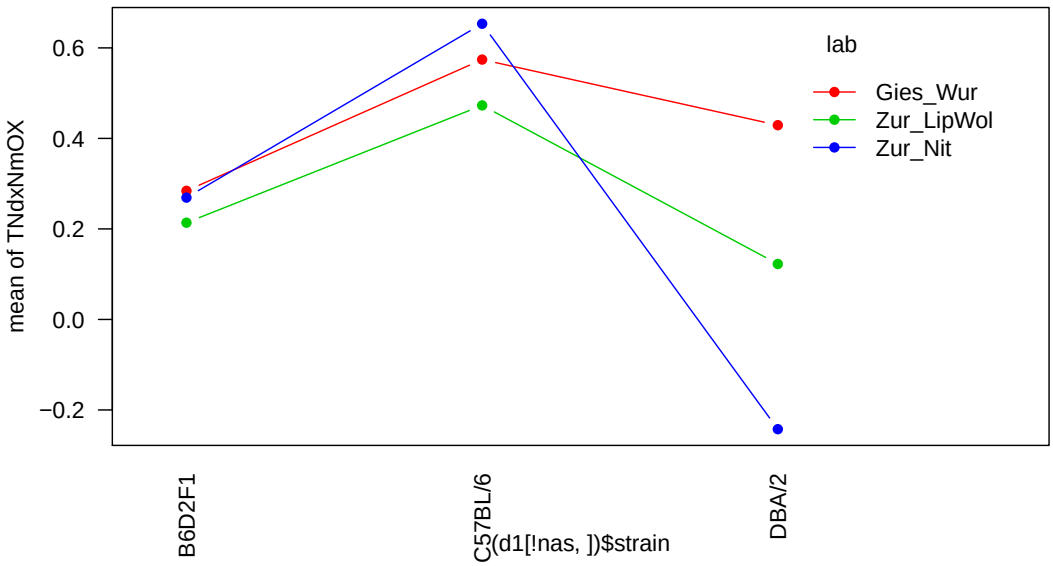
1 TNdxNmOX



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	0.284	0.312	24
2	Gies_Wur	C57BL/6	0.574	0.190	24
3	Gies_Wur	DBA/2	0.429	0.138	24
4	Zur_LipWol	B6D2F1	0.214	0.396	24
5	Zur_LipWol	C57BL/6	0.473	0.192	24

6	Zur_LipWol	DBA/2	0.122	0.342	24
7	Zur_Nit	B6D2F1	0.269	0.350	24
8	Zur_Nit	C57BL/6	0.653	0.159	24
9	Zur_Nit	DBA/2	-0.242	0.440	24

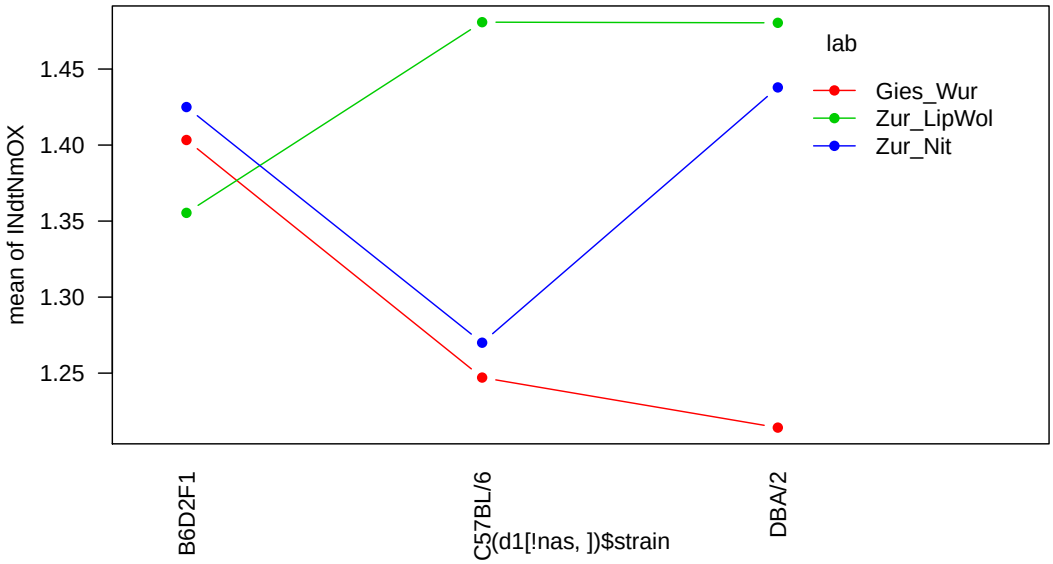
S2.GxL= 0.03715 S2.GxL/S2.error= 0.4150853

	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	8.044	4.022	44.943	0.000	4.100	0.108
lab	2	1.639	0.819	9.156	0.000		
strain:lab	4	4.247	1.062	11.865	0.000		
Residuals	207	18.524	0.089				

	strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM
1	C57BL/6	B6D2F1	0.311	0.000	0.165	0.133
2	DBA/2	B6D2F1	-0.153	0.002	0.165	0.407
3	DBA/2	C57BL/6	-0.464	0.000	0.165	0.048

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	0.290	0.067	46	0.000	4.620	0.355
2	Gies_Wur	DBA/2	B6D2F1	0.145	0.058	46	0.043	4.538	0.630
3	Gies_Wur	DBA/2	C57BL/6	-0.145	0.028	46	0.004	4.251	0.626
4	Zur_LipWol	C57BL/6	B6D2F1	0.259	0.097	46	0.006	4.912	0.409
5	Zur_LipWol	DBA/2	B6D2F1	-0.091	0.137	46	0.398	5.314	0.767
6	Zur_LipWol	DBA/2	C57BL/6	-0.350	0.077	46	0.000	4.717	0.275
7	Zur_Nit	C57BL/6	B6D2F1	0.384	0.074	46	0.000	4.689	0.237
8	Zur_Nit	DBA/2	B6D2F1	-0.512	0.158	46	0.000	5.530	0.139
9	Zur_Nit	DBA/2	C57BL/6	-0.896	0.109	46	0.000	5.036	0.027

2 INdtNmOX



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	1.403	0.237	24
2	Gies_Wur	C57BL/6	1.247	0.189	24
3	Gies_Wur	DBA/2	1.214	0.235	24
4	Zur_LipWol	B6D2F1	1.355	0.343	24
5	Zur_LipWol	C57BL/6	1.481	0.144	24
6	Zur_LipWol	DBA/2	1.480	0.184	24
7	Zur_Nit	B6D2F1	1.425	0.208	24
8	Zur_Nit	C57BL/6	1.270	0.143	24
9	Zur_Nit	DBA/2	1.438	0.247	24

S2.GxL= 0.0085 S2.GxL/S2.error= 0.17240433

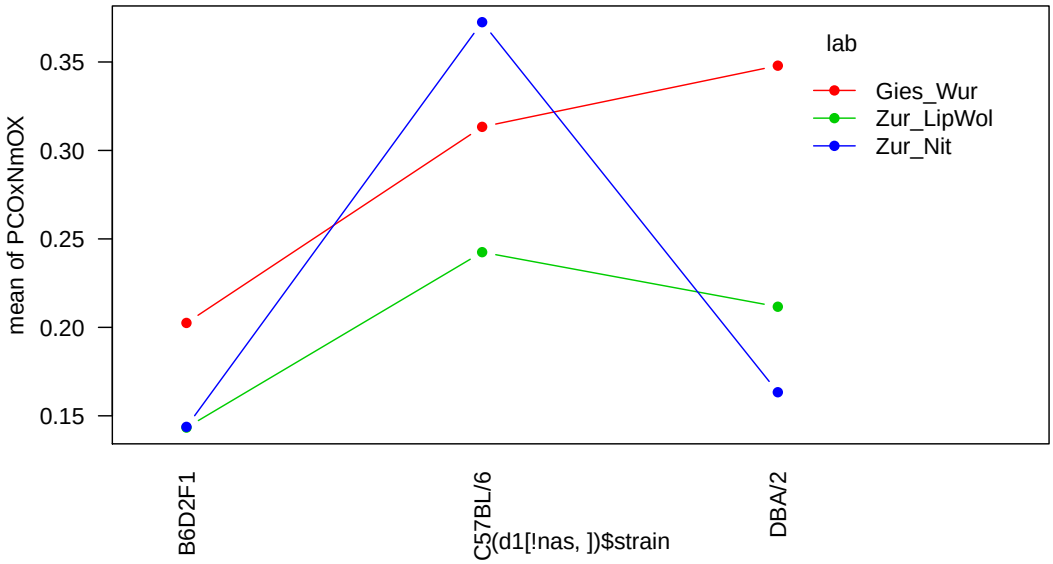
	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	0.147	0.074	1.495	0.227	0.291	0.762
lab	2	0.827	0.414	8.391	0.000		
strain:lab	4	1.013	0.253	5.138	0.001		
Residuals	207	10.201	0.049				

strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM

1	C57BL/6	B6D2F1	-0.062	0.096	0.084	0.501
2	DBA/2	B6D2F1	-0.017	0.645	0.084	0.849
3	DBA/2	C57BL/6	0.045	0.227	0.084	0.621

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	-0.156	0.046	46	0.015	5.980	0.321
2	Gies_Wur	DBA/2	B6D2F1	-0.189	0.056	46	0.008	6.440	0.243
3	Gies_Wur	DBA/2	C57BL/6	-0.033	0.045	46	0.595	5.956	0.827
4	Zur_LipWol	C57BL/6	B6D2F1	0.125	0.069	46	0.105	7.096	0.433
5	Zur_LipWol	DBA/2	B6D2F1	0.125	0.076	46	0.122	7.424	0.438
6	Zur_LipWol	DBA/2	C57BL/6	-0.000	0.027	46	0.993	5.132	0.998
7	Zur_Nit	C57BL/6	B6D2F1	-0.155	0.032	46	0.004	5.338	0.316
8	Zur_Nit	DBA/2	B6D2F1	0.013	0.052	46	0.846	6.272	0.932
9	Zur_Nit	DBA/2	C57BL/6	0.168	0.041	46	0.006	5.732	0.286

3 PCOxNmOX



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	0.203	0.197	24
2	Gies_Wur	C57BL/6	0.313	0.140	24
3	Gies_Wur	DBA/2	0.348	0.110	24
4	Zur_LipWol	B6D2F1	0.143	0.169	24
5	Zur_LipWol	C57BL/6	0.242	0.144	24
6	Zur_LipWol	DBA/2	0.212	0.166	24
7	Zur_Nit	B6D2F1	0.144	0.171	24
8	Zur_Nit	C57BL/6	0.372	0.170	24
9	Zur_Nit	DBA/2	0.163	0.173	24

S2.GxL= 0.00309 S2.GxL/S2.error= 0.1177516

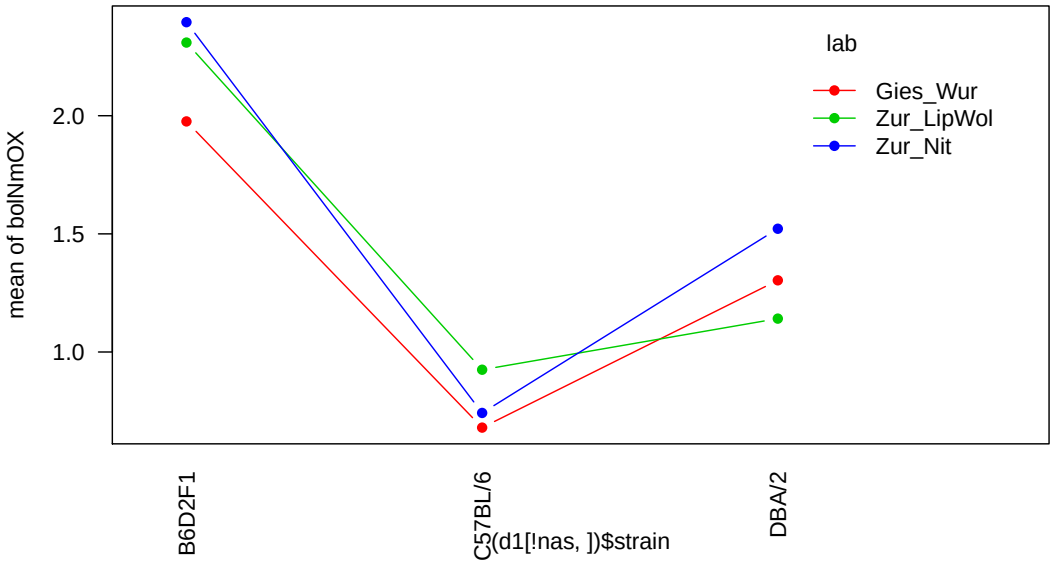
	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	0.771	0.386	14.703	0.000	3.843	0.117
lab	2	0.297	0.149	5.672	0.004		
strain:lab	4	0.401	0.100	3.826	0.005		
Residuals	207	5.428	0.026				

strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM

1	C57BL/6	B6D2F1	0.146	0.000	0.053	0.050
2	DBA/2	B6D2F1	0.078	0.004	0.053	0.215
3	DBA/2	C57BL/6	-0.068	0.012	0.053	0.264

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	0.111	0.029	46	0.030	7.691	0.268
2	Gies_Wur	DBA/2	B6D2F1	0.145	0.026	46	0.003	7.164	0.154
3	Gies_Wur	DBA/2	C57BL/6	0.035	0.016	46	0.348	5.884	0.704
4	Zur_LipWol	C57BL/6	B6D2F1	0.099	0.025	46	0.034	7.047	0.310
5	Zur_LipWol	DBA/2	B6D2F1	0.068	0.028	46	0.165	7.529	0.482
6	Zur_LipWol	DBA/2	C57BL/6	-0.031	0.024	46	0.496	6.978	0.743
7	Zur_Nit	C57BL/6	B6D2F1	0.229	0.029	46	0.000	7.652	0.040
8	Zur_Nit	DBA/2	B6D2F1	0.020	0.030	46	0.695	7.720	0.839
9	Zur_Nit	DBA/2	C57BL/6	-0.209	0.029	46	0.000	7.688	0.056

4 bolNmOX



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	1.976	1.026	24
2	Gies_Wur	C57BL/6	0.680	0.189	24
3	Gies_Wur	DBA/2	1.303	0.812	24
4	Zur_LipWol	B6D2F1	2.310	0.830	24
5	Zur_LipWol	C57BL/6	0.925	0.436	24
6	Zur_LipWol	DBA/2	1.141	0.650	24
7	Zur_Nit	B6D2F1	2.396	0.698	24
8	Zur_Nit	C57BL/6	0.742	0.272	24
9	Zur_Nit	DBA/2	1.522	0.817	24

S2.GxL= 0.01044 S2.GxL/S2.error= 0.02195233

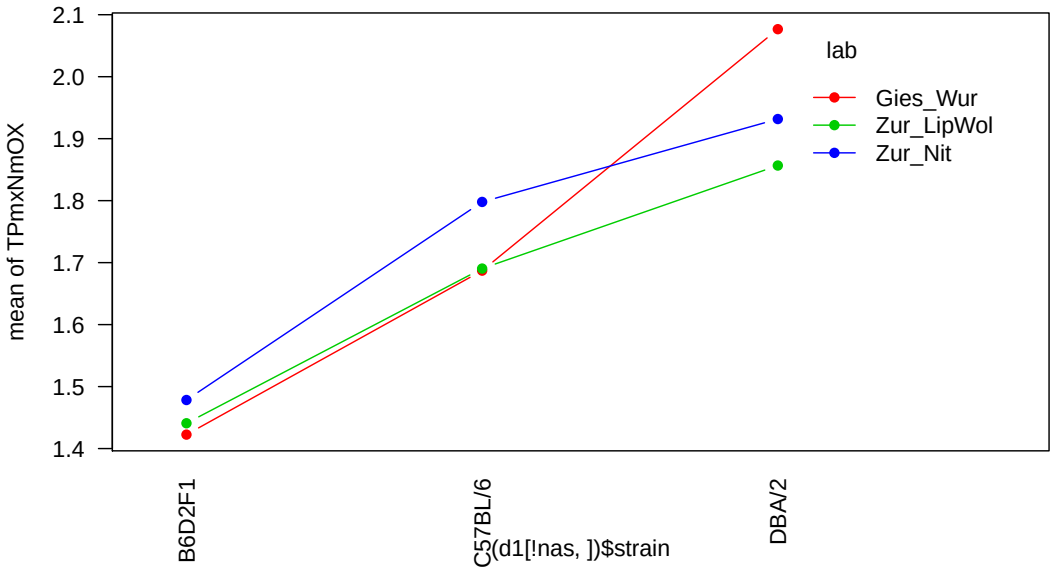
	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	76.741	38.371	80.700	0.000	52.853	0.001
lab	2	1.986	0.993	2.088	0.126		
strain:lab	4	2.904	0.726	1.527	0.196		
Residuals	207	98.423	0.475				

strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM

1	C57BL/6	B6D2F1	-1.445	0.000	0.142	0.001
2	DBA/2	B6D2F1	-0.905	0.000	0.142	0.003
3	DBA/2	C57BL/6	0.540	0.000	0.142	0.019

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	-1.296	0.545	46	0.000	28.561	0.000
2	Gies_Wur	DBA/2	B6D2F1	-0.673	0.857	46	0.015	38.744	0.033
3	Gies_Wur	DBA/2	C57BL/6	0.623	0.348	46	0.001	19.550	0.011
4	Zur_LipWol	C57BL/6	B6D2F1	-1.385	0.440	46	0.000	23.960	0.000
5	Zur_LipWol	DBA/2	B6D2F1	-1.168	0.556	46	0.000	29.011	0.000
6	Zur_LipWol	DBA/2	C57BL/6	0.216	0.306	46	0.182	17.484	0.329
7	Zur_Nit	C57BL/6	B6D2F1	-1.654	0.280	46	0.000	16.198	0.000
8	Zur_Nit	DBA/2	B6D2F1	-0.874	0.577	46	0.000	29.872	0.002
9	Zur_Nit	DBA/2	C57BL/6	0.780	0.371	46	0.000	20.663	0.003

5 TPmxNmOX



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	1.423	0.339	24
2	Gies_Wur	C57BL/6	1.687	0.267	24
3	Gies_Wur	DBA/2	2.077	0.518	24
4	Zur_LipWol	B6D2F1	1.441	0.287	24
5	Zur_LipWol	C57BL/6	1.690	0.263	24
6	Zur_LipWol	DBA/2	1.857	0.436	24
7	Zur_Nit	B6D2F1	1.478	0.294	24
8	Zur_Nit	C57BL/6	1.798	0.283	24
9	Zur_Nit	DBA/2	1.932	0.392	24

S2.GxL= 0.00059 S2.GxL/S2.error= 0.00478283

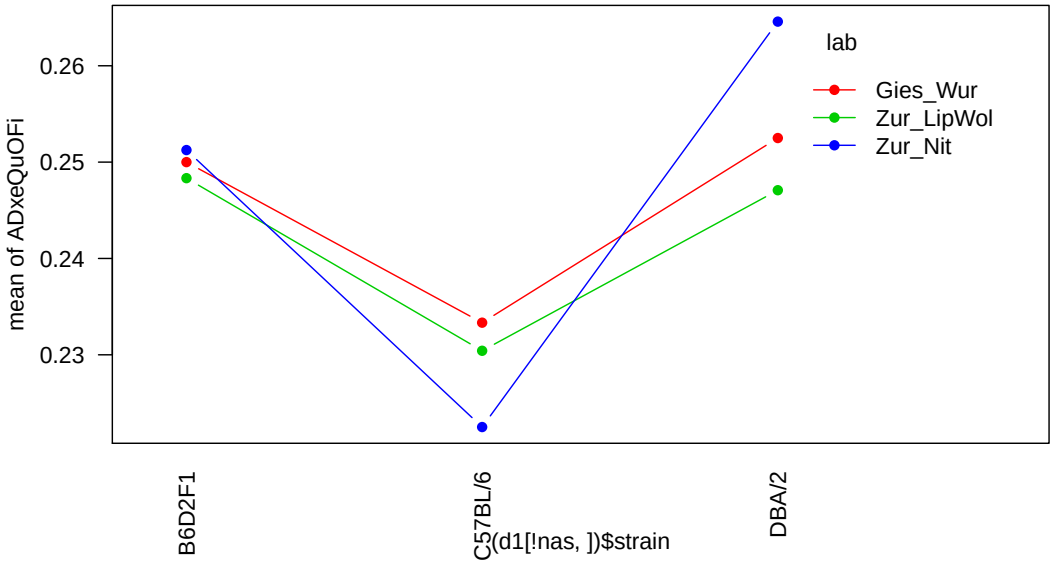
	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	9.310	4.655	37.509	0.000	33.647	0.003
lab	2	0.235	0.118	0.948	0.389		
strain:lab	4	0.595	0.149	1.198	0.313		
Residuals	207	25.689	0.124				

strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM

1	C57BL/6	B6D2F1	0.278	0.000	0.062	0.011
2	DBA/2	B6D2F1	0.508	0.000	0.062	0.001
3	DBA/2	C57BL/6	0.230	0.000	0.062	0.021

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	0.265	0.093	46	0.004	48.195	0.007
2	Gies_Wur	DBA/2	B6D2F1	0.654	0.192	46	0.000	49.919	0.000
3	Gies_Wur	DBA/2	C57BL/6	0.390	0.170	46	0.002	49.995	0.003
4	Zur_LipWol	C57BL/6	B6D2F1	0.250	0.076	46	0.003	46.160	0.006
5	Zur_LipWol	DBA/2	B6D2F1	0.416	0.136	46	0.000	49.855	0.001
6	Zur_LipWol	DBA/2	C57BL/6	0.166	0.130	46	0.117	49.756	0.135
7	Zur_Nit	C57BL/6	B6D2F1	0.320	0.083	46	0.000	47.211	0.001
8	Zur_Nit	DBA/2	B6D2F1	0.453	0.120	46	0.000	49.539	0.000
9	Zur_Nit	DBA/2	C57BL/6	0.134	0.117	46	0.182	49.445	0.206

6 ADxeQuOFi



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	0.250	0.010	24
2	Gies_Wur	C57BL/6	0.233	0.012	24
3	Gies_Wur	DBA/2	0.252	0.014	24
4	Zur_LipWol	B6D2F1	0.248	0.016	24
5	Zur_LipWol	C57BL/6	0.230	0.020	24
6	Zur_LipWol	DBA/2	0.247	0.015	24
7	Zur_Nit	B6D2F1	0.251	0.016	24
8	Zur_Nit	C57BL/6	0.222	0.016	24
9	Zur_Nit	DBA/2	0.265	0.016	24

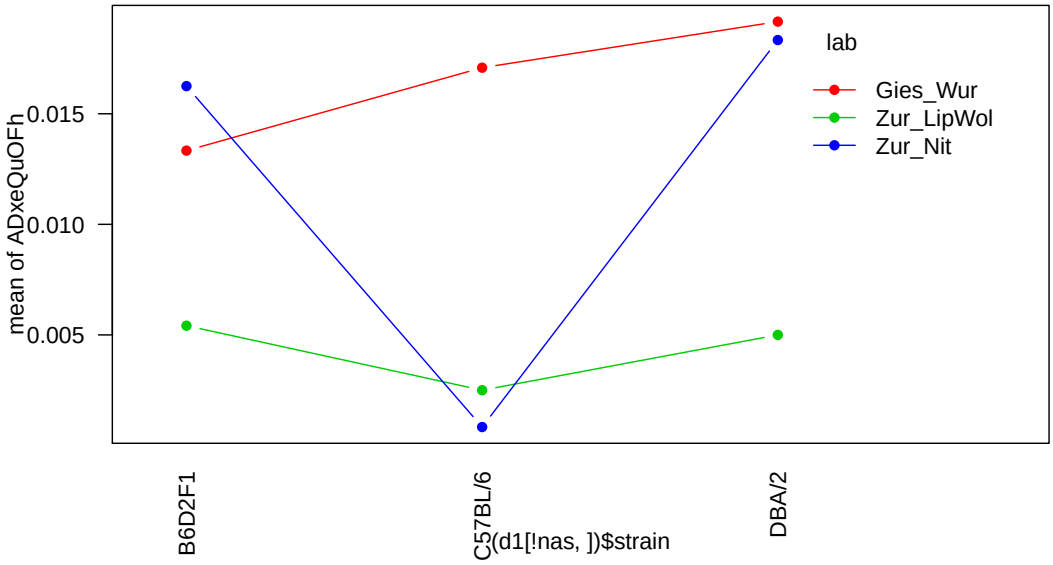
S2.GxL= 3e-05 S2.GxL/S2.error= 0.1225928

	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	0.027	0.014	59.422	0.000	15.073	0.014
lab	2	0.001	0.000	1.515	0.222		
strain:lab	4	0.005	0.001	5.156	0.001		
Residuals	207	0.048	0.000				

	strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM
1	C57BL/6	B6D2F1	-0.021	0.000	0.005	0.014
2	DBA/2	B6D2F1	0.005	0.056	0.005	0.389
3	DBA/2	C57BL/6	0.026	0.000	0.005	0.007

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	-0.017	0.000	46	0.000	5.645	0.092
2	Gies_Wur	DBA/2	B6D2F1	0.002	0.000	46	0.475	5.860	0.773
3	Gies_Wur	DBA/2	C57BL/6	0.019	0.000	46	0.000	6.206	0.061
4	Zur_LipWol	C57BL/6	B6D2F1	-0.018	0.000	46	0.001	8.597	0.084
5	Zur_LipWol	DBA/2	B6D2F1	-0.001	0.000	46	0.775	7.046	0.890
6	Zur_LipWol	DBA/2	C57BL/6	0.017	0.000	46	0.002	8.376	0.103
7	Zur_Nit	C57BL/6	B6D2F1	-0.029	0.000	46	0.000	7.601	0.013
8	Zur_Nit	DBA/2	B6D2F1	0.013	0.000	46	0.006	7.449	0.172
9	Zur_Nit	DBA/2	C57BL/6	0.042	0.000	46	0.000	7.445	0.002

7 ADxeQuOFh



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	0.013	0.023	24
2	Gies_Wur	C57BL/6	0.017	0.022	24
3	Gies_Wur	DBA/2	0.019	0.023	24
4	Zur_LipWol	B6D2F1	0.005	0.018	24
5	Zur_LipWol	C57BL/6	0.002	0.023	24
6	Zur_LipWol	DBA/2	0.005	0.022	24
7	Zur_Nit	B6D2F1	0.016	0.021	24
8	Zur_Nit	C57BL/6	0.001	0.018	24
9	Zur_Nit	DBA/2	0.018	0.016	24

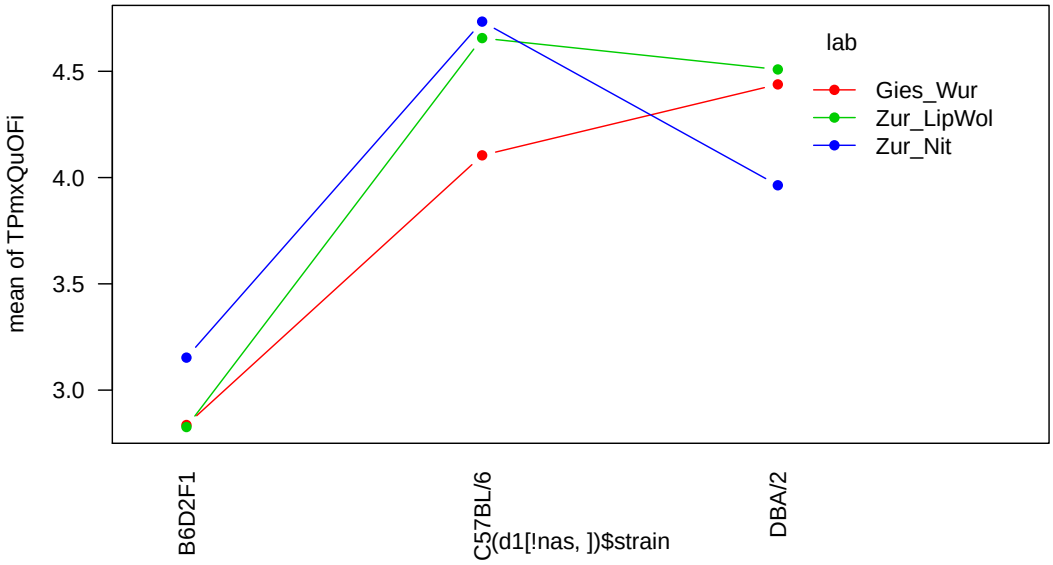
S2.GxL= 1e-05 S2.GxL/S2.error= 0.02819373

	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	0.002	0.001	2.327	0.100	1.388	0.348
lab	2	0.005	0.003	6.309	0.002		
strain:lab	4	0.003	0.001	1.677	0.157		
Residuals	207	0.090	0.000				

	strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM
1	C57BL/6	B6D2F1	-0.005	0.163	0.004	0.340
2	DBA/2	B6D2F1	0.002	0.472	0.004	0.608
3	DBA/2	C57BL/6	0.007	0.035	0.004	0.177

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	0.004	0.000	46	0.563	23.208	0.648
2	Gies_Wur	DBA/2	B6D2F1	0.006	0.001	46	0.382	24.320	0.486
3	Gies_Wur	DBA/2	C57BL/6	0.002	0.001	46	0.751	23.772	0.801
4	Zur_LipWol	C57BL/6	B6D2F1	-0.003	0.000	46	0.624	20.008	0.709
5	Zur_LipWol	DBA/2	B6D2F1	-0.000	0.000	46	0.943	19.416	0.957
6	Zur_LipWol	DBA/2	C57BL/6	0.002	0.001	46	0.703	23.747	0.763
7	Zur_Nit	C57BL/6	B6D2F1	-0.015	0.000	46	0.009	18.637	0.055
8	Zur_Nit	DBA/2	B6D2F1	0.002	0.000	46	0.705	17.486	0.781
9	Zur_Nit	DBA/2	C57BL/6	0.018	0.000	46	0.001	14.741	0.025

8 TPmxQuOFi



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	2.836	0.653	24
2	Gies_Wur	C57BL/6	4.105	1.019	24
3	Gies_Wur	DBA/2	4.438	1.116	24
4	Zur_LipWol	B6D2F1	2.826	0.738	24
5	Zur_LipWol	C57BL/6	4.656	1.052	24
6	Zur_LipWol	DBA/2	4.509	1.173	24
7	Zur_Nit	B6D2F1	3.153	0.709	24
8	Zur_Nit	C57BL/6	4.734	0.972	24
9	Zur_Nit	DBA/2	3.964	1.111	24

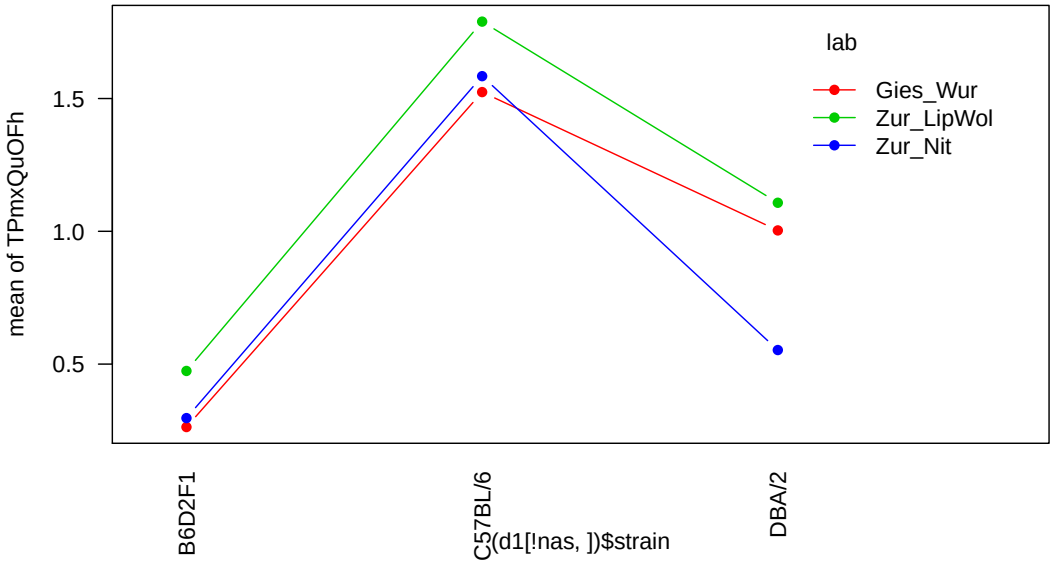
S2.GxL= 0.04106 S2.GxL/S2.error= 0.04389764

	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	104.040	52.020	55.609	0.000	27.080	0.005
lab	2	1.647	0.823	0.880	0.416		
strain:lab	4	9.879	2.470	2.640	0.035		
Residuals	207	193.640	0.935				

	strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM
1	C57BL/6	B6D2F1	1.560	0.000	0.231	0.003
2	DBA/2	B6D2F1	1.365	0.000	0.231	0.004
3	DBA/2	C57BL/6	-0.195	0.229	0.231	0.447

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	1.269	0.732	46	0.000	11.592	0.006
2	Gies_Wur	DBA/2	B6D2F1	1.603	0.836	46	0.000	12.861	0.001
3	Gies_Wur	DBA/2	C57BL/6	0.334	1.142	46	0.285	16.692	0.439
4	Zur_LipWol	C57BL/6	B6D2F1	1.830	0.825	46	0.000	12.728	0.000
5	Zur_LipWol	DBA/2	B6D2F1	1.683	0.960	46	0.000	14.401	0.001
6	Zur_LipWol	DBA/2	C57BL/6	-0.147	1.241	46	0.649	17.938	0.736
7	Zur_Nit	C57BL/6	B6D2F1	1.581	0.724	46	0.000	11.495	0.001
8	Zur_Nit	DBA/2	B6D2F1	0.811	0.869	46	0.004	13.262	0.059
9	Zur_Nit	DBA/2	C57BL/6	-0.770	1.090	46	0.014	16.040	0.083

9 TPmxQuOFh



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	0.263	0.468	24
2	Gies_Wur	C57BL/6	1.524	0.673	24
3	Gies_Wur	DBA/2	1.003	0.823	24
4	Zur_LipWol	B6D2F1	0.474	0.631	24
5	Zur_LipWol	C57BL/6	1.790	0.841	24
6	Zur_LipWol	DBA/2	1.107	1.045	24
7	Zur_Nit	B6D2F1	0.297	0.877	24
8	Zur_Nit	C57BL/6	1.584	0.823	24
9	Zur_Nit	DBA/2	0.553	1.066	24

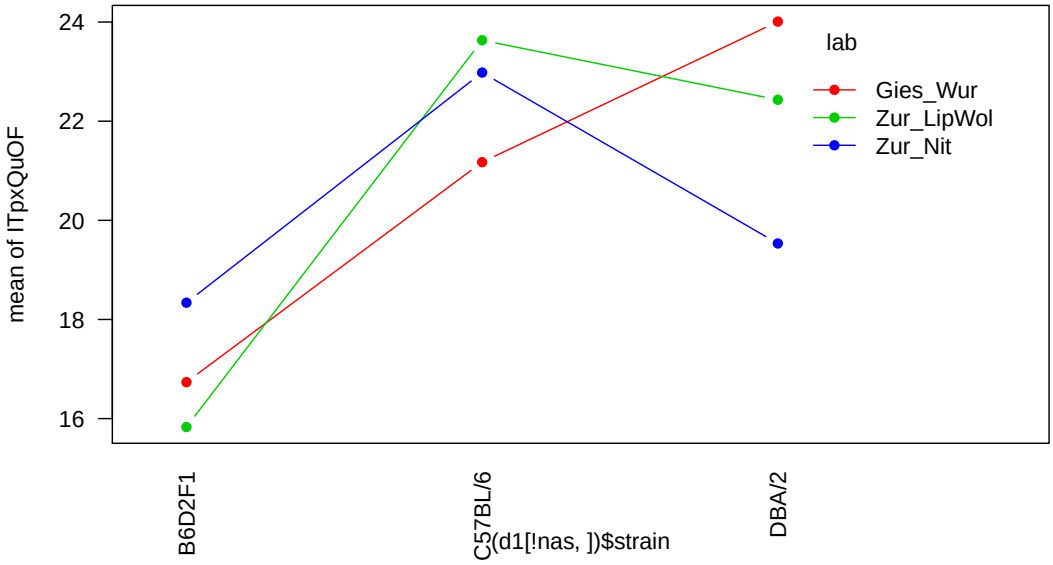
S2.GxL= 0 S2.GxL/S2.error= 1e-08

	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	60.214	30.107	44.222	0.000	44.403	0.002
lab	2	3.583	1.791	2.631	0.074		
strain:lab	4	2.136	0.534	0.784	0.537		
Residuals	207	140.929	0.681				

	strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM
1	C57BL/6	B6D2F1	1.288	0.000	0.137	0.001
2	DBA/2	B6D2F1	0.543	0.000	0.137	0.017
3	DBA/2	C57BL/6	-0.745	0.000	0.137	0.006

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	1.261	0.336	46	0.000	46.000	0.000
2	Gies_Wur	DBA/2	B6D2F1	0.740	0.449	46	0.000	46.000	0.000
3	Gies_Wur	DBA/2	C57BL/6	-0.521	0.565	46	0.021	46.000	0.021
4	Zur_LipWol	C57BL/6	B6D2F1	1.315	0.552	46	0.000	46.000	0.000
5	Zur_LipWol	DBA/2	B6D2F1	0.633	0.745	46	0.014	46.000	0.014
6	Zur_LipWol	DBA/2	C57BL/6	-0.682	0.899	46	0.016	46.000	0.016
7	Zur_Nit	C57BL/6	B6D2F1	1.288	0.723	46	0.000	46.000	0.000
8	Zur_Nit	DBA/2	B6D2F1	0.256	0.952	46	0.368	46.000	0.368
9	Zur_Nit	DBA/2	C57BL/6	-1.031	0.906	46	0.000	46.000	0.000

10 ITpxQuOF



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	16.735	4.879	24
2	Gies_Wur	C57BL/6	21.173	5.532	24
3	Gies_Wur	DBA/2	24.009	5.034	24
4	Zur_LipWol	B6D2F1	15.830	4.931	24
5	Zur_LipWol	C57BL/6	23.633	5.340	24
6	Zur_LipWol	DBA/2	22.432	6.468	24
7	Zur_Nit	B6D2F1	18.338	3.078	24
8	Zur_Nit	C57BL/6	22.980	5.492	24
9	Zur_Nit	DBA/2	19.533	5.118	24

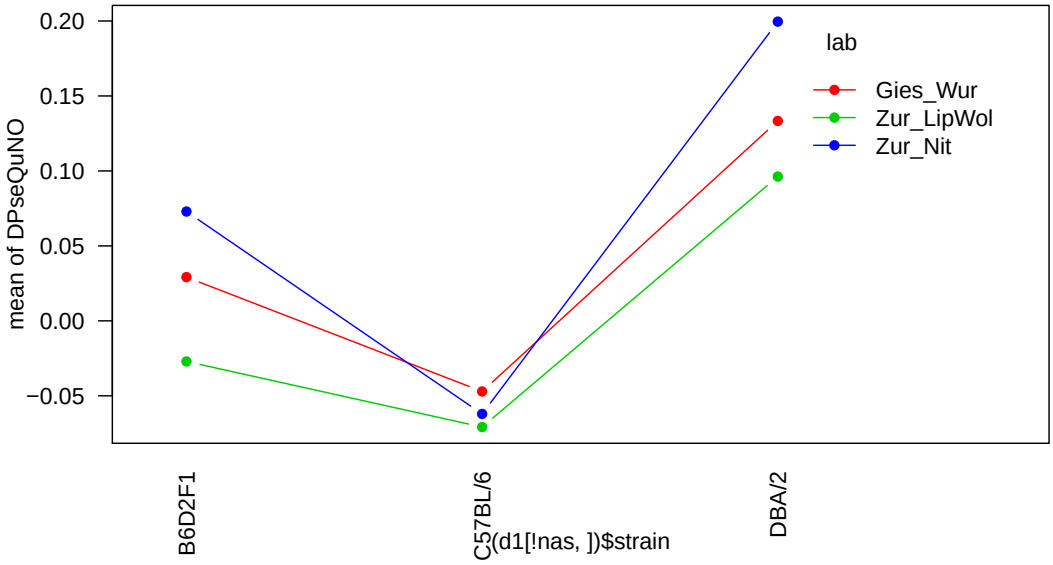
S2.GxL= 1.68442 S2.GxL/S2.error= 0.06310358

	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	1374.637	687.318	25.749	0.000	10.240	0.027
lab	2	5.931	2.966	0.111	0.895		
strain:lab	4	396.782	99.195	3.716	0.006		
Residuals	207	5525.422	26.693				

	strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM
1	C57BL/6	B6D2F1	5.628	0.000	1.365	0.015
2	DBA/2	B6D2F1	5.024	0.000	1.365	0.021
3	DBA/2	C57BL/6	-0.604	0.484	1.365	0.681

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	4.438	27.205	46	0.005	10.771	0.089
2	Gies_Wur	DBA/2	B6D2F1	7.273	24.577	46	0.000	10.020	0.011
3	Gies_Wur	DBA/2	C57BL/6	2.835	27.973	46	0.070	10.993	0.260
4	Zur_LipWol	C57BL/6	B6D2F1	7.803	26.412	46	0.000	10.543	0.007
5	Zur_LipWol	DBA/2	B6D2F1	6.603	33.072	46	0.000	12.495	0.020
6	Zur_LipWol	DBA/2	C57BL/6	-1.201	35.171	46	0.487	13.124	0.640
7	Zur_Nit	C57BL/6	B6D2F1	4.643	19.818	46	0.001	8.701	0.069
8	Zur_Nit	DBA/2	B6D2F1	1.195	17.832	46	0.332	8.169	0.602
9	Zur_Nit	DBA/2	C57BL/6	-3.447	28.176	46	0.029	11.052	0.177

11 DPseQuNO



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	0.029	0.081	24
2	Gies_Wur	C57BL/6	-0.047	0.037	24
3	Gies_Wur	DBA/2	0.133	0.133	24
4	Zur_LipWol	B6D2F1	-0.027	0.034	24
5	Zur_LipWol	C57BL/6	-0.071	0.051	24
6	Zur_LipWol	DBA/2	0.096	0.100	24
7	Zur_Nit	B6D2F1	0.073	0.133	24
8	Zur_Nit	C57BL/6	-0.062	0.043	24
9	Zur_Nit	DBA/2	0.200	0.144	24

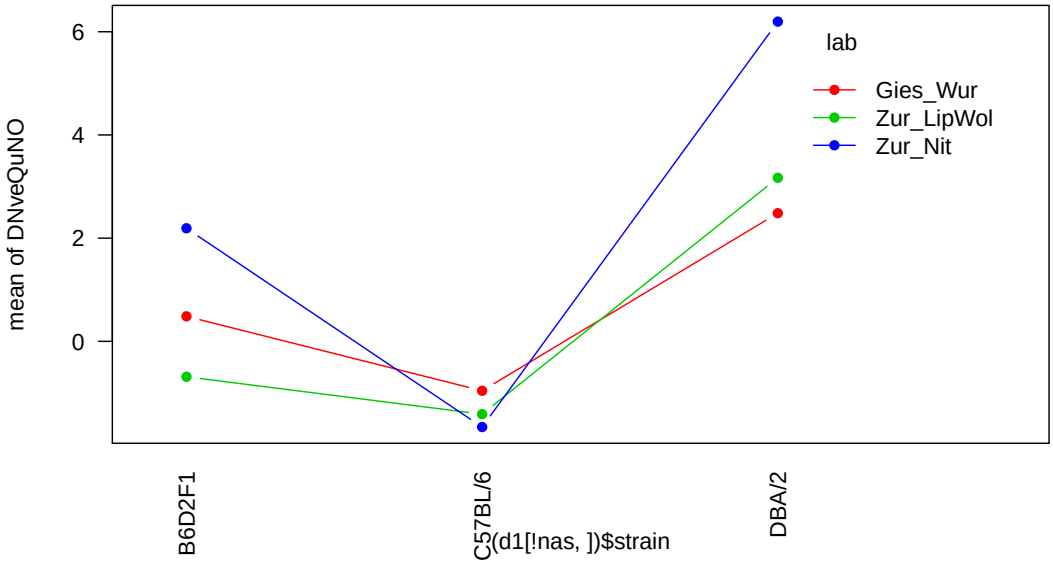
S2.GxL= 0.00045 S2.GxL/S2.error= 0.05063608

	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	1.497	0.749	84.496	0.000	38.143	0.002
lab	2	0.181	0.090	10.189	0.000		
strain:lab	4	0.079	0.020	2.215	0.069		
Residuals	207	1.834	0.009				

	strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM
1	C57BL/6	B6D2F1	-0.085	0.000	0.023	0.022
2	DBA/2	B6D2F1	0.118	0.000	0.023	0.007
3	DBA/2	C57BL/6	0.203	0.000	0.023	0.001

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	-0.076	0.004	46	0.000	7.411	0.064
2	Gies_Wur	DBA/2	B6D2F1	0.104	0.012	46	0.002	16.318	0.030
3	Gies_Wur	DBA/2	C57BL/6	0.180	0.010	46	0.000	13.367	0.001
4	Zur_LipWol	C57BL/6	B6D2F1	-0.044	0.002	46	0.001	5.493	0.231
5	Zur_LipWol	DBA/2	B6D2F1	0.123	0.006	46	0.000	8.991	0.009
6	Zur_LipWol	DBA/2	C57BL/6	0.167	0.006	46	0.000	9.707	0.001
7	Zur_Nit	C57BL/6	B6D2F1	-0.135	0.010	46	0.000	13.595	0.006
8	Zur_Nit	DBA/2	B6D2F1	0.127	0.019	46	0.003	24.349	0.018
9	Zur_Nit	DBA/2	C57BL/6	0.262	0.011	46	0.000	15.329	0.000

12 DNveQuNO



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	0.485	1.444	24
2	Gies_Wur	C57BL/6	-0.958	0.705	24
3	Gies_Wur	DBA/2	2.484	2.538	24
4	Zur_LipWol	B6D2F1	-0.687	0.754	24
5	Zur_LipWol	C57BL/6	-1.411	1.044	24
6	Zur_LipWol	DBA/2	3.169	3.610	24
7	Zur_Nit	B6D2F1	2.191	3.534	24
8	Zur_Nit	C57BL/6	-1.661	1.233	24
9	Zur_Nit	DBA/2	6.196	4.416	24

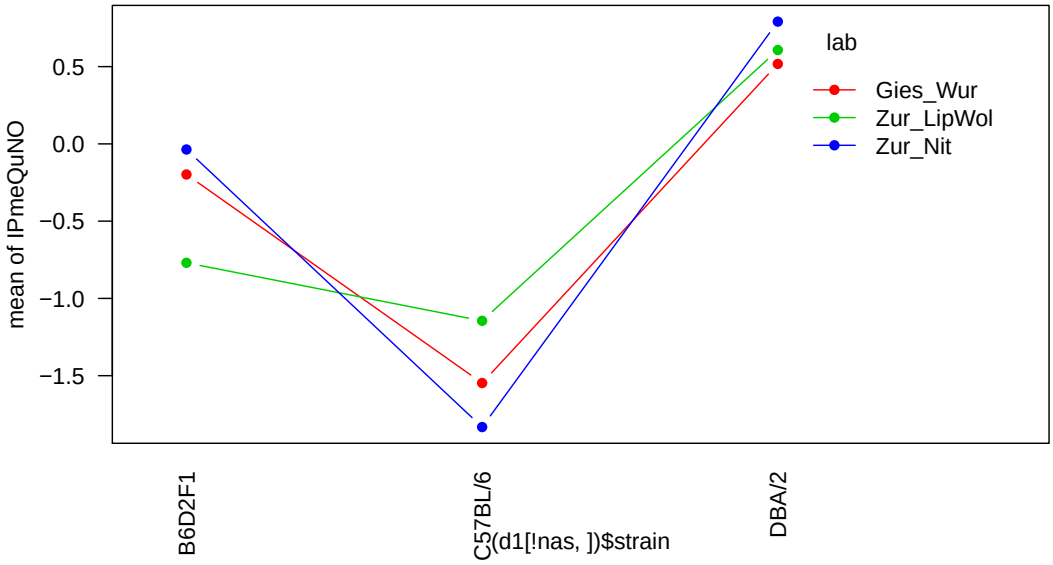
S2.GxL= 1.26686 S2.GxL/S2.error= 0.19928018

	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	1028.164	514.082	80.866	0.000	13.984	0.016
lab	2	146.934	73.467	11.557	0.000		
strain:lab	4	147.029	36.757	5.782	0.000		
Residuals	207	1315.934	6.357				

	strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM
1	C57BL/6	B6D2F1	-2.006	0.000	1.011	0.118
2	DBA/2	B6D2F1	3.287	0.000	1.011	0.031
3	DBA/2	C57BL/6	5.293	0.000	1.011	0.006

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	-1.442	1.291	46	0.000	4.346	0.421
2	Gies_Wur	DBA/2	B6D2F1	1.999	4.263	46	0.002	5.191	0.291
3	Gies_Wur	DBA/2	C57BL/6	3.441	3.468	46	0.000	4.959	0.096
4	Zur_LipWol	C57BL/6	B6D2F1	-0.724	0.829	46	0.008	4.221	0.676
5	Zur_LipWol	DBA/2	B6D2F1	3.856	6.799	46	0.000	5.963	0.071
6	Zur_LipWol	DBA/2	C57BL/6	4.580	7.059	46	0.000	6.045	0.041
7	Zur_Nit	C57BL/6	B6D2F1	-3.852	7.005	46	0.000	6.028	0.072
8	Zur_Nit	DBA/2	B6D2F1	4.005	15.992	46	0.001	9.096	0.072
9	Zur_Nit	DBA/2	C57BL/6	7.857	10.509	46	0.000	7.169	0.004

13 IPmeQuNO



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	-0.198	1.094	24
2	Gies_Wur	C57BL/6	-1.547	0.684	24
3	Gies_Wur	DBA/2	0.517	1.111	24
4	Zur_LipWol	B6D2F1	-0.770	1.024	24
5	Zur_LipWol	C57BL/6	-1.145	0.579	24
6	Zur_LipWol	DBA/2	0.607	0.748	24
7	Zur_Nit	B6D2F1	-0.036	1.218	24
8	Zur_Nit	C57BL/6	-1.833	0.504	24
9	Zur_Nit	DBA/2	0.791	0.871	24

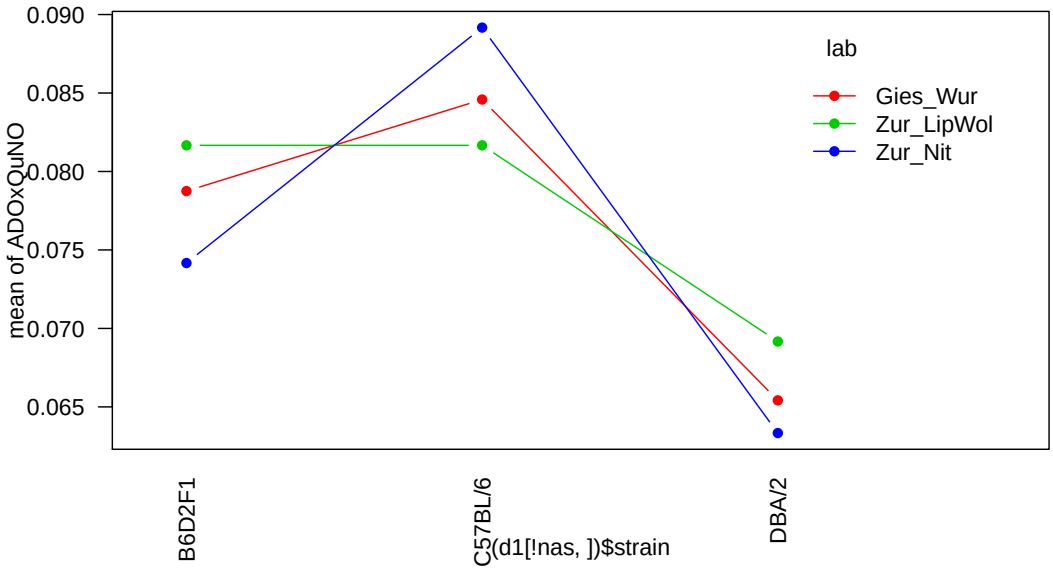
S2.GxL= 0.06177 S2.GxL/S2.error= 0.07574815

	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	166.420	83.210	102.038	0.000	36.210	0.003
lab	2	0.218	0.109	0.134	0.875		
strain:lab	4	13.570	3.392	4.160	0.003		
Residuals	207	168.804	0.815				

	strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM
1	C57BL/6	B6D2F1	-1.174	0.000	0.253	0.010
2	DBA/2	B6D2F1	0.973	0.000	0.253	0.018
3	DBA/2	C57BL/6	2.147	0.000	0.253	0.001

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	-1.350	0.832	46	0.000	9.490	0.013
2	Gies_Wur	DBA/2	B6D2F1	0.715	1.216	46	0.029	12.520	0.156
3	Gies_Wur	DBA/2	C57BL/6	2.065	0.851	46	0.000	9.638	0.001
4	Zur_LipWol	C57BL/6	B6D2F1	-0.375	0.692	46	0.125	8.444	0.402
5	Zur_LipWol	DBA/2	B6D2F1	1.377	0.804	46	0.000	9.280	0.011
6	Zur_LipWol	DBA/2	C57BL/6	1.752	0.447	46	0.000	6.725	0.004
7	Zur_Nit	C57BL/6	B6D2F1	-1.796	0.869	46	0.000	9.770	0.002
8	Zur_Nit	DBA/2	B6D2F1	0.828	1.121	46	0.009	11.756	0.102
9	Zur_Nit	DBA/2	C57BL/6	2.624	0.506	46	0.000	7.127	0.000

14 ADOxQuNO



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	0.079	0.010	24
2	Gies_Wur	C57BL/6	0.085	0.005	24
3	Gies_Wur	DBA/2	0.065	0.010	24
4	Zur_LipWol	B6D2F1	0.082	0.006	24
5	Zur_LipWol	C57BL/6	0.082	0.004	24
6	Zur_LipWol	DBA/2	0.069	0.010	24
7	Zur_Nit	B6D2F1	0.074	0.010	24
8	Zur_Nit	C57BL/6	0.089	0.003	24
9	Zur_Nit	DBA/2	0.063	0.008	24

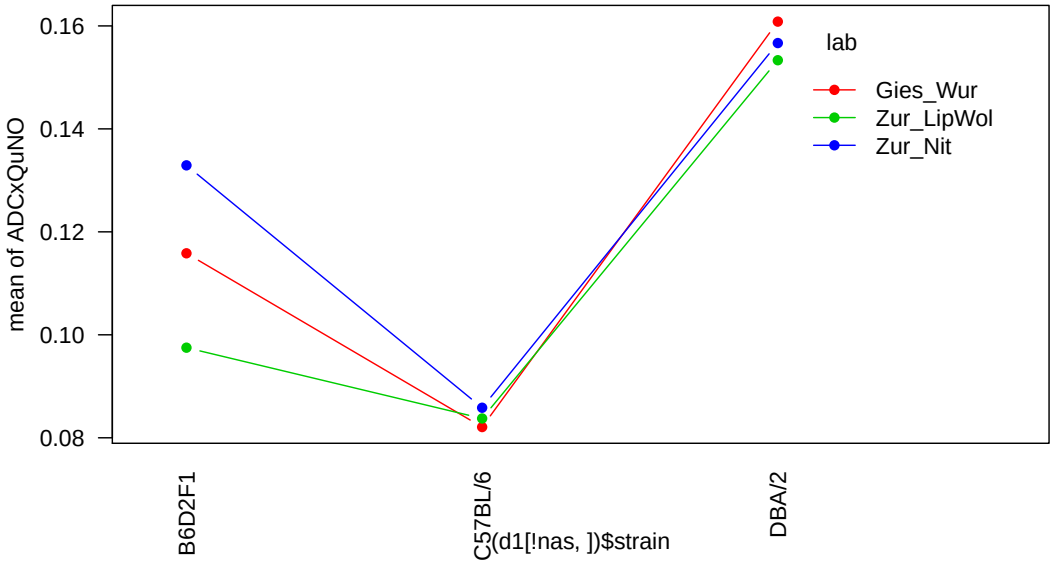
S2.GxL= 1e-05 S2.GxL/S2.error= 0.16596686

	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	0.014	0.007	113.138	0.000	22.704	0.007
lab	2	0.000	0.000	1.167	0.313		
strain:lab	4	0.002	0.000	6.892	0.000		
Residuals	207	0.012	0.000				

	strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM
1	C57BL/6	B6D2F1	0.007	0.000	0.003	0.073
2	DBA/2	B6D2F1	-0.012	0.000	0.003	0.013
3	DBA/2	C57BL/6	-0.019	0.000	0.003	0.003

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	0.006	0.000	46	0.014	6.317	0.286
2	Gies_Wur	DBA/2	B6D2F1	-0.013	0.000	46	0.000	7.796	0.036
3	Gies_Wur	DBA/2	C57BL/6	-0.019	0.000	46	0.000	6.257	0.008
4	Zur_LipWol	C57BL/6	B6D2F1	0.000	0.000	46	1.000	4.970	1.000
5	Zur_LipWol	DBA/2	B6D2F1	-0.012	0.000	46	0.000	6.547	0.045
6	Zur_LipWol	DBA/2	C57BL/6	-0.012	0.000	46	0.000	6.016	0.045
7	Zur_Nit	C57BL/6	B6D2F1	0.015	0.000	46	0.000	6.060	0.023
8	Zur_Nit	DBA/2	B6D2F1	-0.011	0.000	46	0.000	7.096	0.073
9	Zur_Nit	DBA/2	C57BL/6	-0.026	0.000	46	0.000	5.173	0.003

15 ADCxQuNO



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	0.116	0.034	24
2	Gies_Wur	C57BL/6	0.082	0.017	24
3	Gies_Wur	DBA/2	0.161	0.039	24
4	Zur_LipWol	B6D2F1	0.098	0.022	24
5	Zur_LipWol	C57BL/6	0.084	0.011	24
6	Zur_LipWol	DBA/2	0.153	0.032	24
7	Zur_Nit	B6D2F1	0.133	0.036	24
8	Zur_Nit	C57BL/6	0.086	0.011	24
9	Zur_Nit	DBA/2	0.157	0.033	24

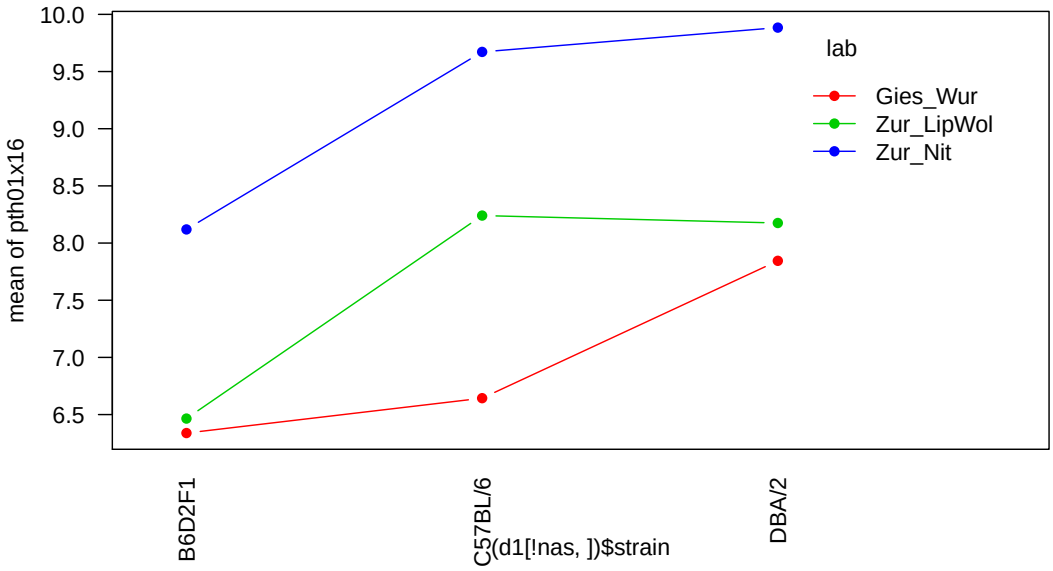
S2.GxL= 6e-05 S2.GxL/S2.error= 0.07869377

	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	0.193	0.097	121.924	0.000	42.208	0.002
lab	2	0.007	0.003	4.253	0.015		
strain:lab	4	0.009	0.002	2.889	0.023		
Residuals	207	0.164	0.001				

	strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM
1	C57BL/6	B6D2F1	-0.032	0.000	0.008	0.017
2	DBA/2	B6D2F1	0.042	0.000	0.008	0.006
3	DBA/2	C57BL/6	0.073	0.000	0.008	0.001

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	-0.034	0.001	46	0.000	8.545	0.036
2	Gies_Wur	DBA/2	B6D2F1	0.045	0.001	46	0.000	13.379	0.011
3	Gies_Wur	DBA/2	C57BL/6	0.079	0.001	46	0.000	10.004	0.000
4	Zur_LipWol	C57BL/6	B6D2F1	-0.014	0.000	46	0.009	5.772	0.306
5	Zur_LipWol	DBA/2	B6D2F1	0.056	0.001	46	0.000	8.959	0.003
6	Zur_LipWol	DBA/2	C57BL/6	0.070	0.001	46	0.000	7.632	0.001
7	Zur_Nit	C57BL/6	B6D2F1	-0.047	0.001	46	0.000	8.560	0.008
8	Zur_Nit	DBA/2	B6D2F1	0.024	0.001	46	0.022	12.263	0.138
9	Zur_Nit	DBA/2	C57BL/6	0.071	0.001	46	0.000	7.819	0.001

16 pth01x16



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	6.338	1.412	24
2	Gies_Wur	C57BL/6	6.643	1.786	24
3	Gies_Wur	DBA/2	7.845	2.445	24
4	Zur_LipWol	B6D2F1	6.465	1.681	24
5	Zur_LipWol	C57BL/6	8.240	2.030	24
6	Zur_LipWol	DBA/2	8.175	2.320	24
7	Zur_Nit	B6D2F1	8.119	2.433	24
8	Zur_Nit	C57BL/6	9.672	2.721	24
9	Zur_Nit	DBA/2	9.884	2.665	24

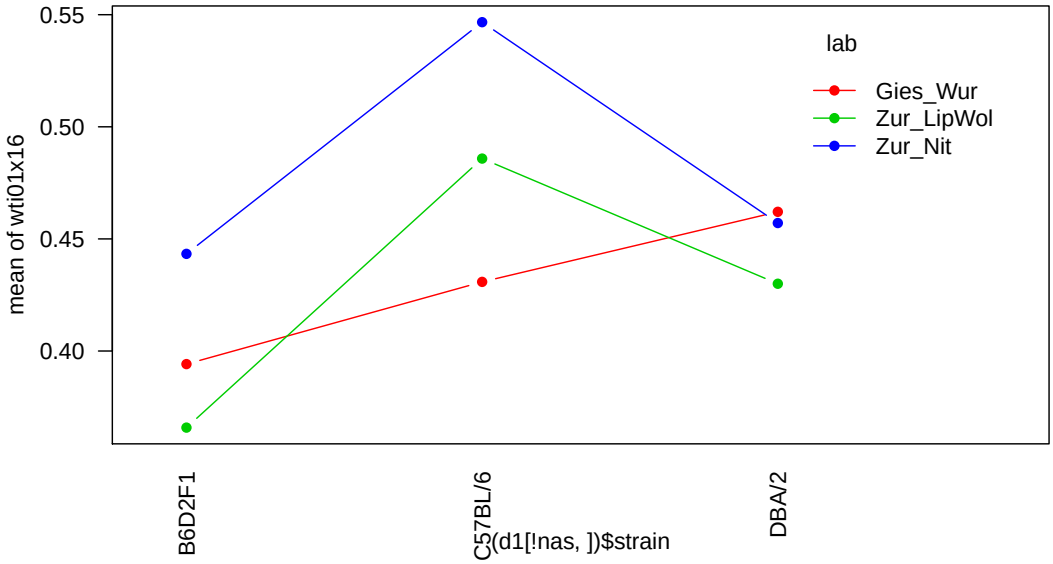
S2.GxL= 0 S2.GxL/S2.error= 2e-08

	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	106.225	53.112	10.884	0.000	10.906	0.024
lab	2	197.629	98.814	20.250	0.000		
strain:lab	4	17.434	4.358	0.893	0.469		
Residuals	207	1010.096	4.880				

	strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM
1	C57BL/6	B6D2F1	1.211	0.001	0.368	0.030
2	DBA/2	B6D2F1	1.661	0.000	0.368	0.011
3	DBA/2	C57BL/6	0.450	0.223	0.368	0.289

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	0.305	2.591	46	0.515	46.000	0.515
2	Gies_Wur	DBA/2	B6D2F1	1.506	3.985	46	0.012	46.000	0.012
3	Gies_Wur	DBA/2	C57BL/6	1.201	4.582	46	0.058	46.000	0.058
4	Zur_LipWol	C57BL/6	B6D2F1	1.775	3.475	46	0.002	46.000	0.002
5	Zur_LipWol	DBA/2	B6D2F1	1.710	4.105	46	0.005	46.000	0.005
6	Zur_LipWol	DBA/2	C57BL/6	-0.065	4.754	46	0.918	46.000	0.918
7	Zur_Nit	C57BL/6	B6D2F1	1.553	6.662	46	0.043	46.000	0.043
8	Zur_Nit	DBA/2	B6D2F1	1.765	6.510	46	0.021	46.000	0.021
9	Zur_Nit	DBA/2	C57BL/6	0.213	7.253	46	0.786	46.000	0.786

17 wti01x16



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	0.394	0.059	24
2	Gies_Wur	C57BL/6	0.431	0.125	24
3	Gies_Wur	DBA/2	0.462	0.173	24
4	Zur_LipWol	B6D2F1	0.366	0.071	24
5	Zur_LipWol	C57BL/6	0.486	0.102	24
6	Zur_LipWol	DBA/2	0.430	0.082	24
7	Zur_Nit	B6D2F1	0.443	0.084	24
8	Zur_Nit	C57BL/6	0.547	0.126	24
9	Zur_Nit	DBA/2	0.457	0.119	24

S2.GxL= 0.00062 S2.GxL/S2.error= 0.05169501

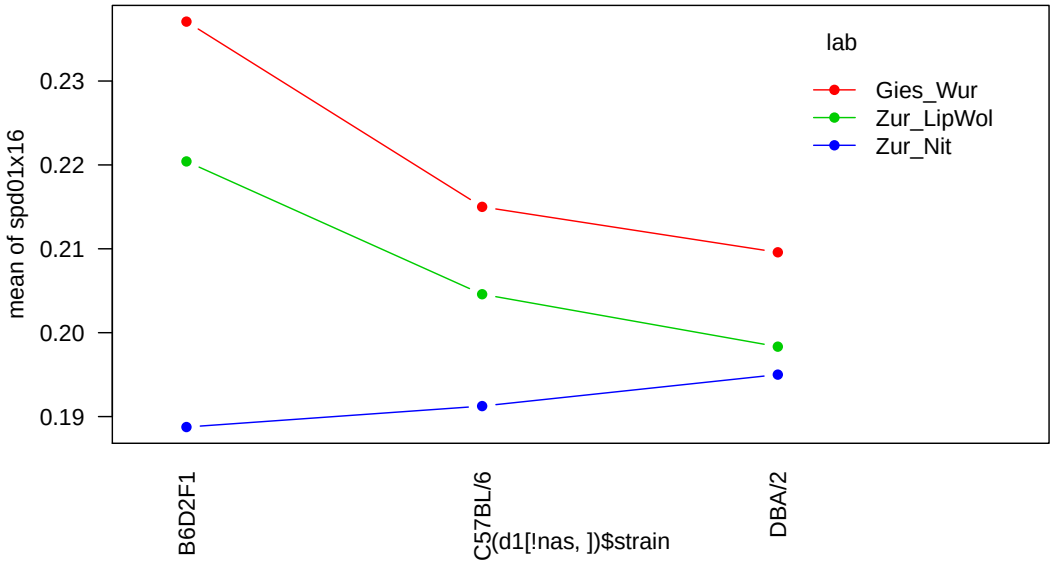
	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	0.272	0.136	11.281	0.000	5.035	0.081
lab	2	0.141	0.071	5.867	0.003		
strain:lab	4	0.108	0.027	2.241	0.066		
Residuals	207	2.493	0.012				

strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM

1	C57BL/6	B6D2F1	0.087	0.000	0.027	0.034
2	DBA/2	B6D2F1	0.049	0.008	0.027	0.150
3	DBA/2	C57BL/6	-0.038	0.039	0.027	0.237

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	0.037	0.010	46	0.200	10.386	0.435
2	Gies_Wur	DBA/2	B6D2F1	0.068	0.017	46	0.076	16.266	0.205
3	Gies_Wur	DBA/2	C57BL/6	0.031	0.023	46	0.477	21.251	0.583
4	Zur_LipWol	C57BL/6	B6D2F1	0.120	0.008	46	0.000	8.983	0.022
5	Zur_LipWol	DBA/2	B6D2F1	0.064	0.006	46	0.006	7.669	0.164
6	Zur_LipWol	DBA/2	C57BL/6	-0.056	0.009	46	0.042	9.628	0.237
7	Zur_Nit	C57BL/6	B6D2F1	0.103	0.011	46	0.002	11.903	0.048
8	Zur_Nit	DBA/2	B6D2F1	0.014	0.011	46	0.645	11.147	0.771
9	Zur_Nit	DBA/2	C57BL/6	-0.090	0.015	46	0.015	14.775	0.093

18 spd01x16



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	0.237	0.021	24
2	Gies_Wur	C57BL/6	0.215	0.032	24
3	Gies_Wur	DBA/2	0.210	0.019	24
4	Zur_LipWol	B6D2F1	0.220	0.018	24
5	Zur_LipWol	C57BL/6	0.205	0.018	24
6	Zur_LipWol	DBA/2	0.198	0.016	24
7	Zur_Nit	B6D2F1	0.189	0.016	24
8	Zur_Nit	C57BL/6	0.191	0.016	24
9	Zur_Nit	DBA/2	0.195	0.021	24

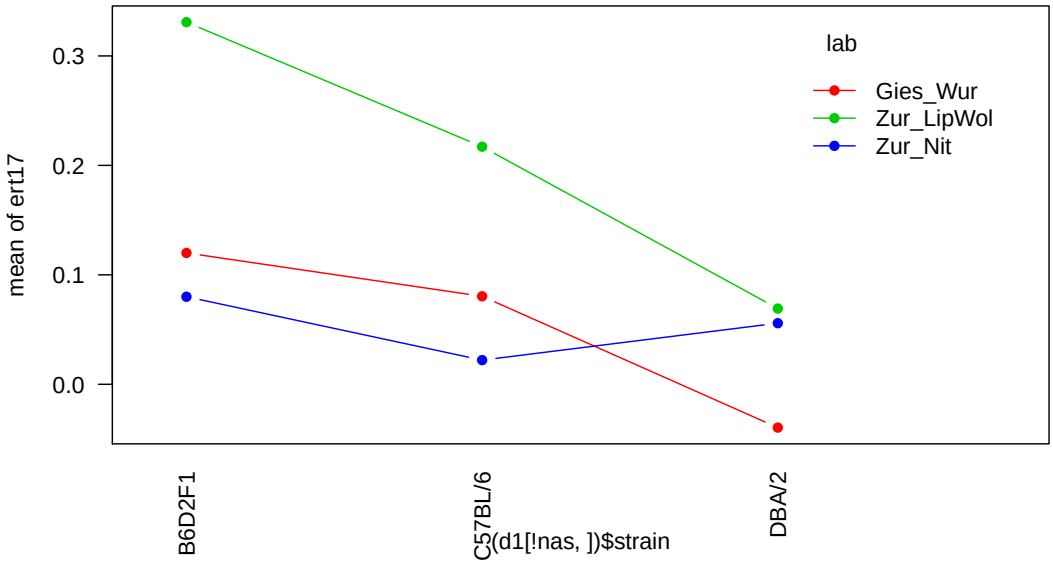
S2.GxL= 7e-05 S2.GxL/S2.error= 0.16713917

	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	0.009	0.004	10.212	0.000	2.038	0.245
lab	2	0.030	0.015	36.175	0.000		
strain:lab	4	0.008	0.002	5.011	0.001		
Residuals	207	0.086	0.000				

	strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM
1	C57BL/6	B6D2F1	-0.012	0.001	0.008	0.196
2	DBA/2	B6D2F1	-0.014	0.000	0.008	0.131
3	DBA/2	C57BL/6	-0.003	0.439	0.008	0.747

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	-0.022	0.001	46	0.007	8.189	0.157
2	Gies_Wur	DBA/2	B6D2F1	-0.027	0.000	46	0.000	6.185	0.081
3	Gies_Wur	DBA/2	C57BL/6	-0.005	0.001	46	0.481	7.912	0.710
4	Zur_LipWol	C57BL/6	B6D2F1	-0.016	0.000	46	0.004	5.752	0.269
5	Zur_LipWol	DBA/2	B6D2F1	-0.022	0.000	46	0.000	5.503	0.140
6	Zur_LipWol	DBA/2	C57BL/6	-0.006	0.000	46	0.213	5.515	0.644
7	Zur_Nit	C57BL/6	B6D2F1	0.002	0.000	46	0.596	5.348	0.851
8	Zur_Nit	DBA/2	B6D2F1	0.006	0.000	46	0.258	5.871	0.648
9	Zur_Nit	DBA/2	C57BL/6	0.004	0.000	46	0.496	5.871	0.783

19 ert17



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	0.120	0.307	24
2	Gies_Wur	C57BL/6	0.080	0.267	24
3	Gies_Wur	DBA/2	-0.040	0.222	24
4	Zur_LipWol	B6D2F1	0.331	0.264	24
5	Zur_LipWol	C57BL/6	0.217	0.290	24
6	Zur_LipWol	DBA/2	0.069	0.241	24
7	Zur_Nit	B6D2F1	0.080	0.239	24
8	Zur_Nit	C57BL/6	0.022	0.243	24
9	Zur_Nit	DBA/2	0.056	0.260	24

S2.GxL= 0.00138 S2.GxL/S2.error= 0.02031705

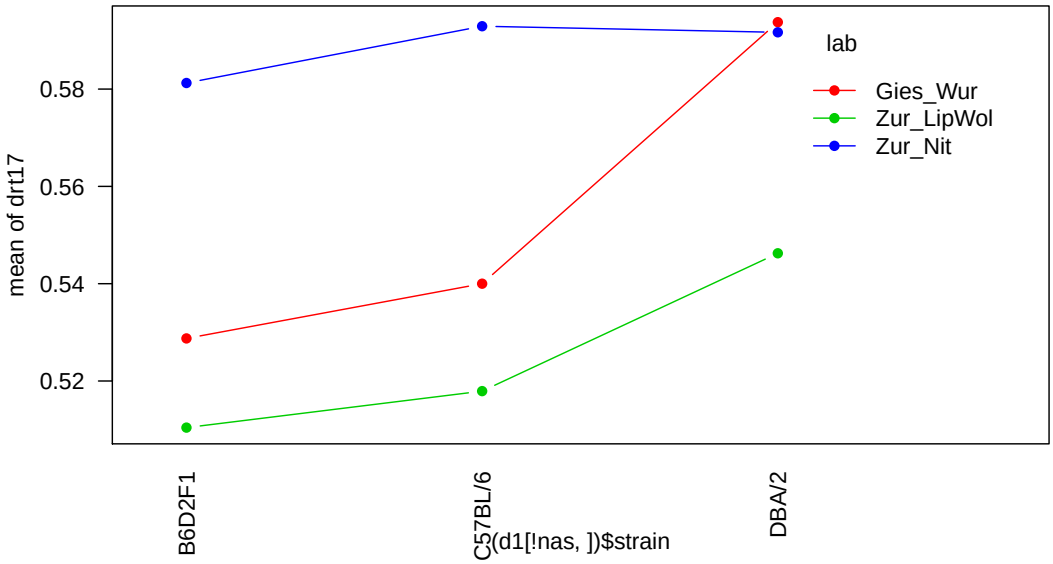
	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	0.794	0.397	5.848	0.003	3.931	0.114
lab	2	1.117	0.559	8.226	0.000		
strain:lab	4	0.404	0.101	1.488	0.207		
Residuals	207	14.058	0.068				

strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM

1	C57BL/6	B6D2F1	-0.070	0.106	0.053	0.255
2	DBA/2	B6D2F1	-0.148	0.001	0.053	0.049
3	DBA/2	C57BL/6	-0.078	0.074	0.053	0.215

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	-0.040	0.083	46	0.636	31.803	0.690
2	Gies_Wur	DBA/2	B6D2F1	-0.160	0.072	46	0.045	28.525	0.099
3	Gies_Wur	DBA/2	C57BL/6	-0.120	0.060	46	0.098	24.757	0.186
4	Zur_LipWol	C57BL/6	B6D2F1	-0.114	0.077	46	0.162	30.022	0.244
5	Zur_LipWol	DBA/2	B6D2F1	-0.262	0.064	46	0.001	25.963	0.007
6	Zur_LipWol	DBA/2	C57BL/6	-0.148	0.071	46	0.061	28.285	0.124
7	Zur_Nit	C57BL/6	B6D2F1	-0.058	0.058	46	0.410	23.961	0.513
8	Zur_Nit	DBA/2	B6D2F1	-0.024	0.062	46	0.739	25.454	0.789
9	Zur_Nit	DBA/2	C57BL/6	0.034	0.063	46	0.645	25.757	0.710

20 drt17



	lab	strain	mean	sd	n
1	Gies_Wur	B6D2F1	0.529	0.093	24
2	Gies_Wur	C57BL/6	0.540	0.075	24
3	Gies_Wur	DBA/2	0.594	0.097	24
4	Zur_LipWol	B6D2F1	0.510	0.092	24
5	Zur_LipWol	C57BL/6	0.518	0.088	24
6	Zur_LipWol	DBA/2	0.546	0.108	24
7	Zur_Nit	B6D2F1	0.581	0.083	24
8	Zur_Nit	C57BL/6	0.593	0.088	24
9	Zur_Nit	DBA/2	0.592	0.134	24

S2.GxL= 0 S2.GxL/S2.error= 0

	Df	Sum Sq	Mean Sq	F.FLM	p.FLM	F.RLM	p.RLM
strain	2	0.053	0.026	2.828	0.061	2.847	0.170
lab	2	0.147	0.073	7.839	0.001		
strain:lab	4	0.024	0.006	0.645	0.631		
Residuals	207	1.936	0.009				

strain1	strain2	diff	p.FLM	Std.Error.RLM	p.RLM

1	C57BL/6	B6D2F1	0.010	0.530	0.016	0.562
2	DBA/2	B6D2F1	0.037	0.022	0.016	0.082
3	DBA/2	C57BL/6	0.027	0.096	0.016	0.169

	lab	strain1	strain2	diff	s2pooled	df.FLM	p.FLM	df.RLM	p.RLM
1	Gies_Wur	C57BL/6	B6D2F1	0.011	0.007	46	0.648	46.000	0.648
2	Gies_Wur	DBA/2	B6D2F1	0.065	0.009	46	0.022	46.000	0.022
3	Gies_Wur	DBA/2	C57BL/6	0.054	0.008	46	0.037	46.000	0.037
4	Zur_LipWol	C57BL/6	B6D2F1	0.008	0.008	46	0.774	46.000	0.774
5	Zur_LipWol	DBA/2	B6D2F1	0.036	0.010	46	0.222	46.000	0.222
6	Zur_LipWol	DBA/2	C57BL/6	0.028	0.010	46	0.324	46.000	0.324
7	Zur_Nit	C57BL/6	B6D2F1	0.012	0.007	46	0.639	46.000	0.639
8	Zur_Nit	DBA/2	B6D2F1	0.010	0.012	46	0.747	46.000	0.747
9	Zur_Nit	DBA/2	C57BL/6	-0.001	0.013	46	0.970	46.000	0.970

```
## Error in eval(expr, envir, enclos):  object 'file.name' not found
## Error in eval(expr, envir, enclos):  object 'file.name' not found
## Error in eval(expr, envir, enclos):  object 'file.name' not found
## Error in eval(expr, envir, enclos):  object 'file.name' not found
## Error in eval(expr, envir, enclos):  object 'file.name' not found
## Error in eval(expr, envir, enclos):  object 'file.name' not found
```

Single lab analysis - power and FDP

```
Number of measures: 20 endpoints measured for 3 genotypes in 3 labs
Number of significant measures according to RLM: 33
Number of significant measures according to FLM: 46
Significant GxL variance according to Fixed model: 55 %
```

Standard analysis

	No Difference between genotypes	Difference between genotypes	Total
Declared significant	33	90	123
Declared non-significant	48	9	57
Total	81	99	180

```
Power - standard t-test: 90 / 99 = 0.9091
FDP - standard t-test: 0.2511
Type I error : 33 / 81 = 0.4074
Type II error : 9 / 99 = 0.0909
```

G×L - adjusted analysis

	No Difference between genotypes	Difference between genotypes	Total
Declared significant	5	69	74
Declared non-significant	76	30	106
Total	81	99	180

```
Power - GxL adjusted: 69 / 99 = 0.697
FDP - GxL adjusted: 0.0546
Type I error : 5 / 81 = 0.0617
Type II error : 30 / 99 = 0.303
```

```
Opposite significants Proportion :  1 / 60 = 0.0167
Proportion of "opposite significant" out of measures in which genotype
 effect is significant according to FLM but not RLM :   1 / 13 = 0.0769
Proportion of "opposite significant" out of measures in which genotype
 effect is significant according to RLM: 0 / 33 = 0
```

Single lab analysis using BH - power and FDP

Standard analysis

	No Difference between genotypes	Difference between genotypes	Total
Declared significant	33	90	123
Declared non-significant	48	9	57
Total	81	99	180

```
Power - standard t-test: 90 / 99 = 0.9091
FDP - standard t-test: 0.2431
Type I error : 33 / 81 = 0.4074
Type II error : 9 / 99 = 0.0909
```

G×L - adjusted analysis

	No Difference between genotypes	Difference between genotypes	Total
Declared significant	4	59	63
Declared non-significant	77	40	117
Total	81	99	180

```
Power - GxL adjusted: 59 / 99 = 0.596
FDP - GxL adjusted: 0.0472
Type I error : 4 / 81 = 0.0494
Type II error : 40 / 99 = 0.404
```

```
Opposite significants Proportion :  1 / 60 = 0.0167
Proportion of "opposite significant" out of measures in which genotype
 effect is significant according to FLM but not RLM :   0 / 13 = 0
Proportion of "opposite significant" out of measures in which genotype
 effect is significant according to RLM: 0 / 33 = 0
```

```
## Error:  FileNotFoundException (Java):  File 'fdps.xlsx' could not be found - you
may specify to automatically create the file if not existing.
## Error in writeWorksheet(fd, fdps, sheet = fileN): error in evaluating the argument
'object' in selecting a method for function 'writeWorksheet':  Error:  object 'fd'
not found
## Error in saveWorkbook(fd):  error in evaluating the argument 'object' in selecting
a method for function 'saveWorkbook':  Error:  object 'fd' not found
```

```
## Error:  FileNotFoundException (Java):  File 'TypeIerror.xlsx' could not be found
- you may specify to automatically create the file if not existing.
## Error in writeWorksheet(typeI, TypeI, sheet = fileN): error in evaluating the
argument 'object' in selecting a method for function 'writeWorksheet':  Error:  object
'typeI' not found
## Error in saveWorkbook(typeI): error in evaluating the argument 'object' in selecting
a method for function 'saveWorkbook':  Error:  object 'typeI' not found
## Error:  FileNotFoundException (Java):  File 'Power.xlsx' could not be found -
you may specify to automatically create the file if not existing.
## Error in writeWorksheet(power, Power, sheet = fileN): error in evaluating the
argument 'sheet' in selecting a method for function 'writeWorksheet':  Error:  object
'fileN' not found
## Error in (function (classes, fdef, mtable) :  unable to find an inherited method
for function 'saveWorkbook' for signature '"function", "missing"'
```

Estimates Of standard deviations for each endpoint

	S_error	S_lab	S_interaction
TNdxNmOX	0.299	0.000	0.193
INdtNmOX	0.222	0.047	0.092
PCOxNmOX	0.162	0.026	0.056
bolNmOX	0.690	0.061	0.102
TPmxNmOX	0.352	0.000	0.024
ADxeQuOFi	0.015	0.000	0.005
ADxeQuOFh	0.021	0.005	0.004
TPmxQuOFi	0.967	0.000	0.203
TPmxQuOFh	0.823	0.124	0.000
ITpxQuOF	5.167	0.000	1.298
DPseQuNO	0.094	0.031	0.021
DNveQuNO	2.521	0.714	1.126
IPmeQuNO	0.903	0.000	0.249
ADOxQuNO	0.008	0.000	0.003
ADCxQuNO	0.028	0.004	0.008
pth01x16	2.207	1.142	0.000
wti01x16	0.110	0.025	0.025
spd01x16	0.020	0.013	0.008
ert17	0.261	0.080	0.037
drt17	0.096	0.030	0.000