

Post-hoc multiple comparison tests for relative weight loss compared to day 0 (Tukey Multiple Comparisons of Means) between each mouse strain and parasite isolate

Upper triangle: estimate contrasts and standard errors. Lower triangle: z-statistic and p-values

Yellow-highlighted cases represent comparisons within either the same host strain or the same parasite isolate. Within these comparisons, statistically significantly different maximum relative weight loss values between 2 groups at the 5% threshold are highlighted in red.

A. Full dataset (N=99)

Mouse strains		SCHUNT (Mmd)			STRA (Mmd)			BUSNA (Mmm)			PWD (Mmm)		
Mouse strains	Parasite isolates	Brandenburg139 (E. ferrisi)	Brandenburg64 (E. ferrisi)	Brandenburg88 (E. ferrisi)	Brandenburg139 (E. ferrisi)	Brandenburg64 (E. ferrisi)	Brandenburg88 (E. ferrisi)	Brandenburg139 (E. ferrisi)	Brandenburg64 (E. ferrisi)	Brandenburg88 (E. ferrisi)	Brandenburg139 (E. ferrisi)	Brandenburg64 (E. ferrisi)	Brandenburg88 (E. ferrisi)
SCHUNT (Mmd)	Brandenburg139 (E. ferrisi)		est:-0.36, Std.Error:0.27	est:0.36, Std.Error:0.32	est:0.23, Std.Error:0.33	est:-0.58, Std.Error:0.27	est:-0.14, Std.Error:0.31	est:-0.22, Std.Error:0.32	est:-0.06, Std.Error:0.27	est:0.73, Std.Error:0.31	est:0.06, Std.Error:0.32	est:0.19, Std.Error:0.27	est:0.81, Std.Error:0.31
	Brandenburg64 (E. ferrisi)	z value:-1.32, Pr(> z):0.98		est:0.72, Std.Error:0.28	est:0.59, Std.Error:0.29	est:-0.23, Std.Error:0.22	est:0.22, Std.Error:0.27	est:0.13, Std.Error:0.28	est:0.29, Std.Error:0.22	est:1.09, Std.Error:0.27	est:0.41, Std.Error:0.28	est:0.55, Std.Error:0.22	est:1.17, Std.Error:0.27
	Brandenburg88 (E. falciformis)	z value:1.12, Pr(> z):0.99	z value:2.53, Pr(> z):0.31		est:-0.13, Std.Error:0.34	est:-0.95, Std.Error:0.28	est:-0.5, Std.Error:0.32	est:-0.59, Std.Error:0.34	est:-0.43, Std.Error:0.28	est:0.37, Std.Error:0.32	est:-0.31, Std.Error:0.34	est:-0.17, Std.Error:0.29	est:0.45, Std.Error:0.32
STRA (Mmd)	Brandenburg139 (E. ferrisi)	z value:0.69, Pr(> z):1	z value:2.04, Pr(> z):0.65	z value:-0.4, Pr(> z):1		est:-0.81, Std.Error:0.28	est:-0.36, Std.Error:0.33	est:-0.45, Std.Error:0.34	est:-0.29, Std.Error:0.29	est:0.5, Std.Error:0.33	est:-0.17, Std.Error:0.34	est:-0.04, Std.Error:0.29	est:0.58, Std.Error:0.33
	Brandenburg64 (E. ferrisi)	z value:-2.18, Pr(> z):0.55	z value:-1.04, Pr(> z):1	z value:-3.36, Pr(> z):0.04	z value:-2.87, Pr(> z):0.15		est:0.45, Std.Error:0.27	est:0.36, Std.Error:0.28	est:0.52, Std.Error:0.22	est:1.32, Std.Error:0.27	est:0.64, Std.Error:0.28	est:0.77, Std.Error:0.22	est:1.39, Std.Error:0.27
	Brandenburg88 (E. falciformis)	z value:-0.44, Pr(> z):1	z value:0.82, Pr(> z):1	z value:-1.54, Pr(> z):0.93	z value:-1.12, Pr(> z):0.99	z value:1.67, Pr(> z):0.88		est:-0.09, Std.Error:0.32	est:0.07, Std.Error:0.27	est:0.87, Std.Error:0.31	est:0.19, Std.Error:0.32	est:0.33, Std.Error:0.27	est:0.95, Std.Error:0.31
BUSNA (Mmm)	Brandenburg139 (E. ferrisi)	z value:-0.69, Pr(> z):1	z value:0.47, Pr(> z):1	z value:-1.74, Pr(> z):0.84	z value:-1.33, Pr(> z):0.97	z value:1.28, Pr(> z):0.98	z value:-0.27, Pr(> z):1		est:0.16, Std.Error:0.28	est:0.96, Std.Error:0.32	est:0.28, Std.Error:0.34	est:0.41, Std.Error:0.29	est:1.03, Std.Error:0.32
	Brandenburg64 (E. ferrisi)	z value:-0.24, Pr(> z):1	z value:1.33, Pr(> z):0.97	z value:-1.5, Pr(> z):0.94	z value:1.02, Pr(> z):1	z value:2.39, Pr(> z):0.4	z value:0.27, Pr(> z):1	z value:0.56, Pr(> z):1		est:0.12, Std.Error:0.28	est:0.26, Std.Error:0.22	est:0.26, Std.Error:0.22	est:0.88, Std.Error:0.27
	Brandenburg88 (E. falciformis)	z value:2.35, Pr(> z):0.43	z value:4.03, Pr(> z):< 0.01	z value:1.14, Pr(> z):0.99	z value:1.54, Pr(> z):0.93	z value:4.91, Pr(> z):< 0.001	z value:2.79, Pr(> z):0.18	z value:2.95, Pr(> z):0.12	z value:2.95, Pr(> z):0.12		est:-0.68, Std.Error:0.32	est:0.54, Std.Error:0.27	est:0.08, Std.Error:0.31
PWD (Mmm)	Brandenburg139 (E. ferrisi)	z value:0.17, Pr(> z):1	z value:1.45, Pr(> z):0.95	z value:-0.91, Pr(> z):1	z value:-0.51, Pr(> z):1	z value:2.27, Pr(> z):0.49	z value:0.59, Pr(> z):1	z value:0.83, Pr(> z):1	z value:0.43, Pr(> z):1	z value:-2.08, Pr(> z):0.63		est:0.13, Std.Error:0.29	est:0.75, Std.Error:0.32
	Brandenburg64 (E. ferrisi)	z value:0.7, Pr(> z):1	z value:2.44, Pr(> z):0.37	z value:-0.6, Pr(> z):1	z value:-0.13, Pr(> z):1	z value:1.2, Pr(> z):0.99	z value:1.1, Pr(> z):0.99	z value:1.44, Pr(> z):0.95	z value:1.14, Pr(> z):0.99	z value:-1.98, Pr(> z):0.7	z value:0.47, Pr(> z):1		est:0.62, Std.Error:0.27
	Brandenburg88 (E. falciformis)	z value:2.6, Pr(> z):0.27	z value:4.32, Pr(> z):< 0.001	z value:1.38, Pr(> z):0.97	z value:1.78, Pr(> z):0.83	z value:5.21, Pr(> z):< 0.001	z value:3.04, Pr(> z):0.09	z value:3.19, Pr(> z):0.06	z value:3.24, Pr(> z):0.05	z value:0.25, Pr(> z):1	z value:2.32, Pr(> z):0.45	z value:2.27, Pr(> z):0.49	

B. Conservative dataset (N=77)

Mouse strains		SCHUNT (Mmd)			STRA (Mmd)			BUSNA (Mmm)			PWD (Mmm)		
Mouse strains	Parasite isolates	Brandenburg139 (E. ferrisi)	Brandenburg64 (E. ferrisi)	Brandenburg88 (E. ferrisi)	Brandenburg139 (E. ferrisi)	Brandenburg64 (E. ferrisi)	Brandenburg88 (E. ferrisi)	Brandenburg139 (E. ferrisi)	Brandenburg64 (E. ferrisi)	Brandenburg88 (E. ferrisi)	Brandenburg139 (E. ferrisi)	Brandenburg64 (E. ferrisi)	Brandenburg88 (E. ferrisi)
SCHUNT (Mmd)	Brandenburg139 (E. ferrisi)		est:-0.33, Std.Error:0.28	est:0.63, Std.Error:0.34	est:0.75, Std.Error:0.37	est:-0.33, Std.Error:0.28	est:0, Std.Error:0.3	est:-0.53, Std.Error:0.34	est:0.14, Std.Error:0.28	est:0.85, Std.Error:0.3	est:-0.33, Std.Error:0.37	est:0.47, Std.Error:0.29	est:0.86, Std.Error:0.31
	Brandenburg64 (E. ferrisi)	z value:-1.19, Pr(> z):0.99		est:0.96, Std.Error:0.3	est:1.08, Std.Error:0.33	est:0, Std.Error:0.23	est:0.33, Std.Error:0.25	est:-0.2, Std.Error:0.3	est:0.47, Std.Error:0.23	est:1.18, Std.Error:0.25	est:0, Std.Error:0.33	est:0.8, Std.Error:0.24	est:1.19, Std.Error:0.26
	Brandenburg88 (E. falciformis)	z value:1.84, Pr(> z):0.79	z value:3.19, Pr(> z):0.06		est:0.13, Std.Error:0.39	est:-0.96, Std.Error:0.3	est:-0.62, Std.Error:0.32	est:-1.16, Std.Error:0.36	est:-0.48, Std.Error:0.3	est:0.22, Std.Error:0.32	est:-0.96, Std.Error:0.39	est:-0.16, Std.Error:0.31	est:0.23, Std.Error:0.33
STRA (Mmd)	Brandenburg139 (E. ferrisi)	z value:2.02, Pr(> z):0.67	z value:3.24, Pr(> z):0.05	z value:0.32, Pr(> z):1		est:-1.08, Std.Error:0.33	est:-0.75, Std.Error:0.35	est:-1.28, Std.Error:0.39	est:-0.61, Std.Error:0.33	est:0.09, Std.Error:0.35	est:-1.09, Std.Error:0.41	est:-0.28, Std.Error:0.34	est:0.11, Std.Error:0.36
	Brandenburg64 (E. ferrisi)	z value:-1.18, Pr(> z):0.99	z value:0.01, Pr(> z):1	z value:-3.18, Pr(> z):0.06	z value:-3.24, Pr(> z):0.05	z value:-2.13, Pr(> z):0.59	z value:0.33, Std.Error:0.25	est:-0.2, Std.Error:0.3	est:0.47, Std.Error:0.23	est:1.17, Std.Error:0.25	est:-0.01, Std.Error:0.33	est:0.8, Std.Error:0.24	est:1.19, Std.Error:0.26
	Brandenburg88 (E. falciformis)	z value:0.01, Pr(> z):1	z value:1.34, Pr(> z):0.97	z value:-1.96, Pr(> z):0.71	z value:-2.13, Pr(> z):0.59	z value:1.33, Pr(> z):0.97		est:-0.54, Std.Error:0.32	est:0.14, Std.Error:0.25	est:0.84, Std.Error:0.27	est:-0.34, Std.Error:0.35	est:0.46, Std.Error:0.26	est:0.86, Std.Error:0.28
BUSNA (Mmm)	Brandenburg139 (E. ferrisi)	z value:-1.56, Pr(> z):0.92	z value:-0.97, Pr(> z):1	z value:-3.23, Pr(> z):0.05	z value:-3.3, Pr(> z):0.04	z value:-0.67, Pr(> z):1	z value:-1.68, Pr(> z):0.87		est:0.67, Std.Error:0.3	est:1.38, Std.Error:0.32	est:0.2, Std.Error:0.39	est:1, Std.Error:0.31	est:1.39, Std.Error:0.33
	Brandenburg64 (E. ferrisi)	z value:0.51, Pr(> z):1	z value:2.09, Pr(> z):0.62	z value:-1.61, Pr(> z):0.9	z value:-1.82, Pr(> z):0.8	z value:2.08, Pr(> z):0.63	z value:0.56, Pr(> z):1	z value:2.25, Pr(> z):0.5		est:0.7, Std.Error:0.25	est:-0.48, Std.Error:0.33	est:0.32, Std.Error:0.24	est:0.72, Std.Error:0.26
	Brandenburg88 (E. falciformis)	z value:2.84, Pr(> z):0.15	z value:4.7, Pr(> z):< 0.001	z value:0.69, Pr(> z):1	z value:0.27, Pr(> z):1	z value:4.67, Pr(> z):< 0.001	z value:3.1, Pr(> z):0.08	z value:4.33, Pr(> z):< 0.001	z value:2.81, Pr(> z):0.17		est:-1.18, Std.Error:0.35	est:-0.38, Std.Error:0.26	est:0.01, Std.Error:0.28
PWD (Mmm)	Brandenburg139 (E. ferrisi)	z value:-0.9, Pr(> z):1	z value:-0.01, Pr(> z):1	z value:-2.48, Pr(> z):0.34	z value:-2.62, Pr(> z):0.26	z value:-0.02, Pr(> z):1	z value:-0.97, Pr(> z):1	z value:0.51, Pr(> z):1	z value:-1.43, Pr(> z):0.96	z value:-3.36, Pr(> z):0.04		est:0.8, Std.Error:0.34	est:1.19, Std.Error:0.36
	Brandenburg64 (E. ferrisi)	z value:1.61, Pr(> z):0.9	z value:3.32, Pr(> z):0.04	z value:-0.51, Pr(> z):1	z value:-0.83, Pr(> z):1	z value:3.3, Pr(> z):0.04	z value:1.77, Pr(> z):0.83	z value:3.21, Pr(> z):0.05	z value:1.35, Pr(> z):0.97	z value:-1.44, Pr(> z):0.95	z value:2.33, Pr(> z):0.44		est:0.39, Std.Error:0.27
	Brandenburg88 (E. falciformis)	z value:2.8, Pr(> z):0.17	z value:4.53, Pr(> z):< 0.001	z value:0.71, Pr(> z):1	z value:0.3, Pr(> z):1	z value:4.51, Pr(> z):< 0.001	z value:3.02, Pr(> z):0.1	z value:4.25, Pr(> z):< 0.01	z value:2.73, Pr(> z):0.2	z value:0.05, Pr(> z):1	z value:3.32, Pr(> z):0.04	z value:1.43, Pr(> z):0.96	