Supplementary table 1

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| Experiment | Outcome measure (n)  | Strain | Treatment | InteractionStrain x Treatment | Adjusted p value FRL Vehicle vs. FSL Vehicle(Tukey) | Adjusted p valueFSL Vehiclevs. FSL Drug(Tukey) |
| E1 | ImmobilitySwimmingStrugglingDistance travelled | F (1, 42) = 93.5, p < 0.0001F (1, 42) = 140.1, p = 0.9778F (1, 42) = 67.19, p < 0.0001F (1, 42) = 22.17, p < 0.0001 | F (2, 42) = 0.196, p = 0.8228F (2, 42) = 0.6801, p = 0.5131F (2, 42) = 0.1823, p = 0.8340F (2, 42) = 1.617, p = 0.2106 | F (2, 42) = 0.3277, p = 0.3277F (2, 42) = 0.0226, p = 0.9778 F (2, 42) = 0.3871, p = 0.6814F (2, 42) = 0.2578, p = 0.7740 | p < 0.0001p < 0.0001p < 0.0001p = 0.0044 | p = 0.78 (0.5 mg/kg), p > 0.99 (2 mg/kg)p = 0.95 (0.5 mg/kg), p > 0.99 (2 mg/kg)p = 0.99 (0.5 mg/kg), p > 0.99 (2 mg/kg)p = 0.78 (0.5 mg/kg), p > 0.99 (2 mg/kg) |
| E2 | ImmobilitySwimmingStrugglingDistance travelled | F (1, 26) = 68.87, p < 0.0001F (1, 26) = 3.917, p = 0.0585F (1, 25) = 115.1, p < 0.0001F (1, 30) = 112.9, p < 0.0001 | F (1, 26) = 0.00462, p = 0.9463F (1, 26) = 0.1722, p = 0.6816F (1, 25) = 1.122, p = 0.2997F (1, 30) = 0.1895, p = 0.6664 | F (1, 26) = 1.402, p = 0.2471F (1, 25) = 2.006, p = 0.1685 F(1, 25) = 0.00935, p = 0.924F (1, 30) = 2.675, p = 0.1124 | p < 0.0001p = 0.1019p < 0.0001p < 0.0001 | p = 0.7964p = 0.8829 p = 0.8229 p = 0.3865  |
| E3 | ImmobilitySwimmingStrugglingDistance travelled | F (1, 27) = 38.33, p < 0.0001F (1, 26) = 19.74, p = 0.0001F (1, 27) = 24.81, p = 0.0001F (1, 31) = 49.04, p = 0.0001  | F (1, 27) = 1.087, p = 0.3065F (1, 26) = 0.019, p = 0.8914F (1, 27) = 0.4178, p = 0.5235F (1, 31) = 1.284, p = 0.2659 | F (1, 27) = 78.23, p = 0.3187F (1, 26) = 2.299, p = 0.1414F (1, 27) = 0.0633, p = 0.803F (1, 31) = 0.11, p = 0.7424 | p = 0.0037p = 0.1897p = 0.0043p = 0.0002 | p = 0.5182p = 0.7649p = 0.9918p = 0.9272  |
| E4 | ImmobilitySwimmingStrugglingDistance travelled | F (1, 32) = 29.64, p < 0.0001F (1, 32) = 50.53, p < 0.0001F (1, 32) = 12.38, p = 0.0013F (1, 32) = 26.41, p < 0.0001  | F (1, 32) = 0.4132, p = 0.5249F (1, 32) = 0.4652, p = 0.5001F (1, 32) = 0.2158, p = 0.6454F (1, 32) = 1.663, p = 0.2064 | F (1, 32) = 1.026, p < 0.0001F (1, 32) = 3.48, p = 0.0713F (1, 32) = 0,2353, p = 0.6309F (1, 32) = 0.2526, p = 0.6187 | p = 0.0004p < 0.0001p = 0.0378p = 0.0128 | p = 0.9924p = 0.8113p > 0.9999p = 0.9343  |