Supplementary table 1

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