

**Table S1.** Significant data ( $p < 0.05$ ) of the random factor batch from the novel tank test that are not represented in the text or figure. There were no interactions with the fixed factor treatment.

Variable of the NT	Factor	Description	Statistic test	$p$ -value	Statistical test value <sup>1</sup>	Median [IQR] or Mean $\pm$ SD
Distance (m)	Batch	First vs. Second batch	Univariate analysis	0.004	$Z = 27424.420$	First: $20.24 \pm 3.61$ Second: $13.78 \pm 1.82$
Average speed (m/s)	Batch	First vs. Second batch	Univariate analysis	0.010	$Z = 4447.864$	First: $0.06 \pm 0.01$ Second: $0.04 \pm 0.01$
Distance (m) during erratic movements	Batch	First vs. Second batch	Univariate analysis	0.026	$Z = 603.722$	First: $14.75 \pm 3.06$ Second: $4.31 \pm 1.98$
Duration (s) of the erratic movements	Batch	First vs. Second batch	Univariate analysis	0.037	$Z = 296.714$	First: $170.83 \pm 39.10$ Second: $67.65 \pm 24.57$
Distance (m) swam in the BTM zone	Batch	First vs. Second batch	Univariate analysis	0.043	$Z = 221.917$	First: $17.43 \pm 2.01$ Second: $7.46 \pm 1.06$
Average speed (m/s) of enriched-housed fish in the UP zone	Batch	First vs. Second batch	Independent Samples T Test	0.022	$t(3) = 4.418$	First: $0.08 \pm 0.004$ Second: $0.04 \pm 0.007$

<sup>1</sup> For Independent Samples t-test  $t(df) = t$  value. For Univariate analysis, presented is the standard score ( $Z$ ); UP (upper) and BTM (bottom) zones of the tank; NT: Novel tank test.