

Supplementary Table 1. Tissue content of monoamines and their metabolites in different brain regions.

		<i>Ung</i> ^{+/+} ND	<i>Ung</i> ^{-/-} ND	<i>Ung</i> ^{+/+} FD	<i>Ung</i> ^{-/-} FD
m/s-cortex	5-HT	926.0 ± 43.2	799.7 ± 59.6	895.5 ± 40.8	858.1 ± 56.0
	5-HIAA	950.0 ± 90.0	728.3 ± 60.3	783.2 ± 36.3	625.9 ± 48.5
	5-HIAA/5-HT	0.942 ± 0.080	0.871 ± 0.090	0.821 ± 0.060	0.706 ± 0.090
amygdala	5-HIAA/5-HT	0.640 ± 0.038	0.700 ± 0.036	0.547 ± 0.053*	0.533 ± 0.028*
frontal cortex	5-HT	796.5 ± 42.8	702.7 ± 31.3	832.7 ± 63.8	738.6 ± 55.7
	5-HIAA	670.3 ± 56.7	567.5 ± 51.4	559.7 ± 43.0	512.9 ± 41.5
	5-HIAA/5-HT	0.791 ± 0.080	0.734 ± 0.060	0.656 ± 0.090	0.678 ± 0.080
hippo-campus	5-HIAA/5-HT	1.390 ± 0.129	1.287 ± 0.083	1.186 ± 0.131	1.109 ± 0.091
parietal cortex	5-HT	250.2 ± 15.5	264.5 ± 24.4	232.7 ± 17.9*	226.7 ± 15.7*
	5-HIAA	453.7 ± 30.9	420.8 ± 49.1	340.7 ± 27.9	327.2 ± 13.5
	5-HIAA/5-HT	1.697 ± 0.120	1.491 ± 0.130	1.282 ± 0.130	1.380 ± 0.096
striatum	5-HIAA/5-HT	1.477 ± 0.150	1.276 ± 0.084	1.156 ± 0.049*	1.134 ± 0.066*

N=8-10 animals per group. Values are expressed as picogram per mg wet weight (mean ± SEM). *p<0.05 ND vs. FD; #p<0.05 *Ung*^{+/+} vs. *Ung*^{-/-}

Supplementary Table 2A. Baseline LDH-release and MTT metabolism in cell culture experiments (see Figure 1A, B)

	<i>Ung</i> ^{+/+} cortical neurons	<i>Ung</i> ^{-/-} cortical neurons	<i>Ung</i> ^{+/+} hippocampal neurons	<i>Ung</i> ^{-/-} hippocampal neurons
LDH [units/ml medium] after 24 hrs	56.2 ± 2.4	56.1 ± 2.4	59.9 ± 2	63.0 ± 2
LDH [units/ml medium] after 48 hrs	72.3 ± 1.7	73.4 ± 2.3	62.1 ± 1.9	65.1 ± 2
LDH [units/ml medium] after 72 hrs	78.9 ± 2.4	80.6 ± 2.8	63.7 ± 4.2	65.8 ± 5.6
MTT extinction ^{550nm} in arbitrary units after 72 hrs	1304.5 ± 43.1	1433 ± 47.9	1366.5 ± 38.2	1308 ± 46.9

Supplementary Table 2B. Baseline LDH-release (see Figure 1E)

	<i>Ung</i> ^{+/+} cortical neurons	<i>Ung</i> ^{-/-} cortical neurons	<i>Ung</i> ^{+/+} hippocampal neurons	<i>Ung</i> ^{-/-} hippocampal neurons
LDH [units/ml medium] after 24 hrs	56.0 ± 2.1	50.3 ± 4.1	84.1 ± 5.1	84.9 ± 5.2
LDH [units/ml medium] after 48 hrs	48.9 ± 1.5	47.4 ± 3.2	85.6 ± 7.6	88.1 ± 4.8
LDH [units/ml medium] after 72 hrs	64.1 ± 8.0	55.3 ± 2.6	91.4 ± 9.9	88.7 ± 7.4