

SUPPLEMENTARY TABLE S4. LIST
OF ELECTROPHYSIOLOGY REAGENTS

<i>Reagents for Patching</i>	<i>Company</i>	<i>Product #</i>
Sucrose	Sigma-Aldrich, St. Louis, MO	S5016
NaH ₂ PO ₄	Sigma-Aldrich, St. Louis, MO	S9638
NaHCO ₃	Sigma-Aldrich, St. Louis, MO	S6014
KCl	Sigma-Aldrich, St. Louis, MO	P9333
NaCl	Sigma-Aldrich, St. Louis, MO	S9888
CaCl ₂	Sigma-Aldrich, St. Louis, MO	223506
MgCl ₂	Sigma-Aldrich, St. Louis, MO	M9272
Dextrose	Sigma-Aldrich, St. Louis, MO	G5767
Ascorbic acid	Sigma-Aldrich, St. Louis, MO	A5960
Sodium pyruvate	Sigma-Aldrich, St. Louis, MO	P5280
K-gluconate	Sigma-Aldrich, St. Louis, MO	P1847
HEPES	Sigma-Aldrich, St. Louis, MO	H3375
MgATP	Sigma-Aldrich, St. Louis, MO	A9187
Na3GTP	Sigma-Aldrich, St. Louis, MO	G8877
2K-phosphocreatine	Millipore, Burlington, MA	237911
Biocytin	Tocris, Bristol, UK	3349

SUPPLEMENTARY TABLE S5. INTRINSIC PROPERTIES OF TYPE A LAYER V PYRAMIDAL NEURONS

<i>Variables</i>	<i>Type A sham</i>	<i>Type A rTBI</i>	<i>Type A rTBI + ISRIB</i>	<i>p</i>
Action potential properties				
Half width (msec)	*0.917 (0.859–1.008)	*0.858 (0.823–0.966)	*0.850 (0.792–0.916)	0.2430 (Kruskal-Wallis)
Amplitude (mV)	78.77 (1.87)	78.23 (1.90)	78.20 (1.90)	0.9704 (one-way ANOVA)
Threshold (mV)	*-39.25 (-39.76- -36.15)	*-39.14 (-40.97- - 37.14)	*-39.33 (-40.69- -36.19)	0.7586 (Kruskal-Wallis)
Rising slope (mv/s)	331.3 (16.8)	324.8 (16.4)	333.4 (16.3)	0.9353 (one-way ANOVA)
Falling slope (mv/s)	-79.86 (3.33)	-86.89 (4.14)	-89.83 (4.22)	0.1666 (one-way ANOVA)
Spike AHP (mV)	*10.80 (9.61–12.44)	*10.41 (7.97–12.74)	*11.46 (9.54–12.73)	0.3549 (Kruskal-Wallis)
Adaptation index	*2.86 (2.86–3.50)	*2.95 (2.84–4.30)	*3.20 (2.83– 4.37)	0.9614 (Kruskal-Wallis)
F/I slope (Hz/pA)	*0.287 (0.242–0.311)	*0.268 (0.212–0.305)	*0.278 (0.246–0.291)	0.6500 (Kruskal-Wallis)
Subthreshold responses				
Sag+rebound+AHP (mV)	*8.81 (7.61-11.81)	*8.12 (7.53-8.71)	*8.893 (7.16- 10.16)	0.2097 (Kruskal-Wallis)
Rebound AHP	3.06 (0.23)	3.13 (0.13)	3.24 (0.25)	0.8362 (one-way ANOVA)
Passive properties				
Resting potential (mV)	*-62 (-65- -60)	*-63 (-66- -60)	*-65 (-66- -64)	0.2066 (Kruskal-Wallis)
Membrane resistance (MW)	*108.2 (88.6–125.7)	*82.81 (73.6–111.1)	*79.97 (65.3–105.7)	0.2015 (Kruskal-Wallis)

rTBI, repetitive traumatic brain injury; ISRIB, integrated stress response inhibitor; ANOVA, analysis of variance; AHP, afterhyperpolarization. Values are mean (standard error of the mean) or *median (95% confidence interval). Statistical test is indicated with associated *p*-value.