

Loss of Consciousness (LoC) over 5 Hits						
Group	Mouse ID	Hit 1 LoC (s)	Hit 2 LoC (s)	Hit 3 LoC (s)	Hit 4 LoC (s)	Hit 5 LoC (s)
Injured	Mouse 1	66	78	79	98	110
	Mouse 2	54	72	63	82	80
	Mouse 3	60	84	99	110	114
Sham	Mouse 4	62	53	58	60	55
	Mouse 5	49	57	53	48	58
	Mouse 6	50	47	57	60	50

Supplemental Table 1. Representative loss of consciousness data for 6 mice (3 injured, 3 sham) over the course of 5 injuries, spaced once daily. Data represents time in seconds for each mouse to regain righting reflex after removal from anesthesia. Injured mice were subject to our weight-drop model of mild traumatic brain injury (**Section 1.**) while sham mice were simply exposed to anesthesia for the same duration. Sham mice show no increase in loss of consciousness with once-daily exposure to anesthesia. Injured mice show increases in loss of consciousness with each successive injury – however, to date we have not seen loss of consciousness correlate with functional outcome.