

Supplementary File 1: Table of monocular responses in mouse V1 after long-term MD (or sham) followed by fellow eye TTX (or saline).

(A) Deprived contralateral eye

Group	n	Spatial freq. (cpd)	VEP magnitude (uV; mean± SEM)				
			P47 [†]	P54	P61	P68	P75 [‡]
Sham	16	0.05	185.8 ± 17.20	173.34 ± 18.92	186.7 ± 20.08	164.9 ± 15.91	168.2 ± 15.95
		0.2 [†]	195.1 ± 14.91	182.6 ± 13.12	190.5 ± 12.02	191.9 ± 15.70	194.0 ± 16.30
		0.4	112.9 ± 13.54	111.3 ± 12.31	112.4 ± 11.94	101.8 ± 10.39	110.1 ± 9.690
MD	13	0.05	113.1 ± 13.90	129.6 ± 16.14	128.8 ± 13.99	96.57 ± 11.07	109.1 ± 16.70
		0.2 [†]	105.2 ± 21.89	127.3 ± 18.30	132.7 ± 19.31	114.2 ± 14.83	116.1 ± 18.48
		0.4	41.45 ± 7.197	66.54 ± 9.788	74.77 ± 13.31	64.08 ± 11.49	61.81 ± 13.60
MD then TTX	13	0.05	95.46 ± 13.05	156.5 ± 20.40	178.5 ± 21.87	166.6 ± 21.76	177.6 ± 25.15
		0.2 [†]	95.84 ± 20.00	187.4 ± 25.83	214.5 ± 27.49	218.1 ± 23.39	210.8 ± 26.63
		0.4	35.12 ± 7.723	93.13 ± 17.76	120.1 ± 19.95	108.3 ± 17.68	133.1 ± 26.37

[†]row represented in Figure 2B-C; [‡]column represented in Figure 2D

(B) Fellow (non-deprived) ipsilateral eye

Group	n	Spatial freq. (cpd)	VEP magnitude (uV; mean± SEM)				
			P47 [†]	P54	P61	P68	P75 [‡]
Sham	16	0.05	90.68 ± 10.17	89.55 ± 11.42	112.1 ± 18.39	83.90 ± 9.861	76.86 ± 8.851
		0.2 [†]	91.36 ± 9.335	84.99 ± 9.324	105.6 ± 15.29	89.56 ± 9.759	74.67 ± 9.849
		0.4	47.41 ± 7.675	45.58 ± 6.386	47.21 ± 8.373	43.83 ± 4.630	37.91 ± 5.341
MD	13	0.05	111.7 ± 20.39	75.77 ± 9.100	83.25 ± 16.79	62.41 ± 10.54	57.46 ± 9.788
		0.2 [†]	118.717 ± 17.32	73.60 ± 10.30	85.13 ± 19.37	61.93 ± 9.419	64.09 ± 12.69
		0.4	53.19 ± 9.23	40.82 ± 7.91	42.74 ± 9.553	31.64 ± 4.460	26.91 ± 4.213
MD then TTX	13	0.05	113.1 ± 17.38	123.4 ± 19.09	94.74 ± 14.03	79.69 ± 10.48	84.23 ± 14.57
		0.2 [†]	130.2 ± 20.97	103.7 ± 21.61	102.7 ± 18.63	82.75 ± 15.47	83.52 ± 18.45
		0.4	62.47 ± 14.99	49.47 ± 11.63	67.90 ± 14.17	40.96 ± 7.122	50.41 ± 11.37

[†]row represented in Figure 2E-F; [‡]column represented in Figure 2G