

Table S2: All proteins with altered expression levels >20% in WtS striatal synaptosome preparations at 24 and/or 48hrs after cortical lesion

Accession Number	Protein Name	Mol Weight (Da)	Peptides	Score	eMFI	Average Ratio 24hrs vs Unlesioned	Average Ratio 48hrs vs Unlesioned
FP00223774	AOL18L1	4266	18	34.4	1.79	1.42	1.42
FP00137087	AFGEF2	23771	18	76.1	0.01	1.22	1.87
FP00112173	AFPC2	13539	8	89.0	0.01	1.45	1.80
FP00330754	B0H1	45603	33	213.3	0.07	1.50	1.79
FP00221383	HIC4	27948	13	96.5	0.04	1.37	1.60
FP00128614	GLY1B3	146604	11	145.3	0.02	1.21	1.62
FP00118805	GLY1B5	81390	28	70.2	0.08	1.474	1.566
FP00111218	ALDH7	66445	13	66.4	0.10	1.41	1.54
FP00448372	TBCD	151206	15	40.6	0.02	1.13	1.54
FP00081197	ME1	76100	33	118.0	0.13	1.10	1.49
FP00126072	VAT1	49381	11	109.8	0.07	1.07	1.46
FP00049203	HMW1	45336	83	43.0	0.01	1.59	1.44
FP00227593	VATL1	55561	50	191.1	0.19	1.12	1.45
FP00229602	PIOT	73344	20	52.0	0.04	1.60	1.43
FP00333603	LOC10040995	75338	14	89.4	0.04	1.29	1.43
FP00136936	VPS29	24913	24	45.1	0.13	1.48	1.36
FP00283532	OSTF2	32668	25	75.0	0.11	1.02	1.38
FP00441286	PPM1E	95287	43	162.4	0.07	1.34	1.34
FP00153716	NCCO2	66400	17	26.2	0.16	1.09	1.23
FP00132314	MUCB1	62502	22	68.6	0.05	1.18	1.25
FP00265822	PPP1CB	40456	17	26.2	0.16	1.09	1.23
FP00118136	PPP1R5C	74570	32	147.2	0.04	1.39	1.310
FP00265822	ALDH1A1	6752	21	63.1	0.15	1.24	1.30
FP00111091	CTSD	54507	44	48.0	0.19	1.00	1.30
FP00442611	AFB1	143469	39	81.0	0.02	1.15	1.30
FP00153740	AHSA1	47143	17	137.9	0.14	1.25	1.29
FP00138961	JSD2	14238	4	69.0	0.15	1.24	1.29
FP00757202	ANGEL2	69077	17	75.4	0.05	1.32	1.29
FP00129479	PPANCC	57820	11	55.8	0.06	1.15	1.28
FP00118821	PRKAB1B2	30279	26	44.7	0.13	1.02	1.29
FP00119130	ETFB07	15221	18	295.8	0.19	1.17	1.27
FP00121514	CARD2	32513	14	121.1	0.13	1.06	1.27
FP00157903	CYLB	46385	21	66.8	0.07	0.93	1.26
FP00445421	PILOT2	52147	10	48.7	0.16	1.18	1.24
FP00117721	GABRI1	61683	13	48.3	0.05	1.07	1.24
FP00226004	CORO1A	58632	14	88.2	0.12	1.25	1.24
FP00275470	PFMS12	109523	40	120.7	0.05	1.07	1.29
FP00124631	LOC10044138	18475	18	164.6	0.15	1.29	1.29
FP00080811	ALBA	23647	19	35.3	0.14	1.04	1.24
FP00120874	MGLL	42736	15	79.9	0.14	1.04	1.24
FP00119346	CALB2	39680	25	41.9	0.17	0.92	1.23
FP00127023	TST	81941	12	127.3	0.22	1.04	1.23
FP00108124	EIF5A	21308	12	137.6	0.55	1.14	1.216
FP00127271	PRKX	89268	8	206.4	0.07	1.04	1.216
FP00230922	HADHA	103683	39	60.9	0.03	1.04	1.206
FP00126019	BAB3B	70976	17	174.5	0.24	1.04	1.206
FP00221571	OPF1C	97634	19	151.1	0.03	1.04	1.203
FP00110426	TRIP11	116500	30	114.0	0.03	1.04	1.203
FP00130598	SOD1	19146	30	154.4	1.25	1.28	1.197
FP00224475	IL22	22437	4	224.6	0.17	1.22	1.197
FP00469872	GDA	59707	39	66.9	0.17	1.36	1.184
FP00119018	PROS1B	71106	10	89.0	0.17	1.36	1.184
FP00159954	NYG18A	281702	75	77.9	0.01	1.274	1.158
FP00440393	NL1	10438	10	214.7	0.17	1.18	1.158
FP00118961	MHRP12	27589	7	114.2	0.26	0.835	1.151
FP00187544	PLNM4	205144	54	85.9	0.01	1.42	1.142
FP00127941	GTLN	25544	13	11.9	0.28	1.14	1.142
FP00127981	TYRO2	26111	10	96.6	0.13	1.530	1.125
FP00220282	CSCP	52789	17	148.1	0.16	1.56	1.124
FP00124630	NTSC	26028	33	271.7	0.13	1.59	1.110
FP00168902	STX15	34142	17	44.9	0.10	1.07	1.108
FP00136871	SLC18A1	79461	36	197.0	0.27	0.78	1.097
FP00131693	ALS	86519	30	55.5	0.08	1.45	1.097
FP00121613	DTN2	54243	20	37.8	0.19	0.78	1.095
FP00225307	SARS	77460	8	235.7	0.13	1.24	1.095
FP00123242	HYD1	153372	25	43.1	0.02	1.33	1.093
FP00122211	FBLN1	89268	28	30.0	0.04	0.87	1.093
FP00782211	SBF1	232709	33	126.4	0.04	0.824	1.061
FP00406822	DIG1	100023	10	45.5	0.13	0.82	1.059
FP00580731	KPNA6	68216	15	59.5	0.05	1.31	1.059
FP00457081	FKBP12A	58215	10	148.7	0.06	1.12	1.059
FP00134746	ASS1	57183	23	59.3	0.12	0.723	1.052
FP00120030	CYR1	19	178.2	0.87	1.05	1.052	1.052
FP00138716	PA2B2	24370	7	61.5	0.14	0.863	1.046
FP00132973	LOC10040995	88	104.3	0.17	0.863	1.046	1.046
FP00095134	APRC4	24068	54	76.1	0.68	1.257	1.035
FP00124631	DPY4	100607	10	100.6	0.17	1.03	1.035
FP00131844	IDH2	62890	28	59.2	0.05	0.683	1.018
FP00121441	CENPA1	18641	10	89.0	0.17	0.863	1.018
FP00275081	MTMR1	87567	18	105.0	0.04	0.785	1.014
FP00220021	VTPPA	41227	27	48.5	0.17	0.839	1.013
FP00131463	VITL1A	20402	13	115.4	0.12	0.871	0.992
FP00127941	SRAL2A	87928	44	28.8	0.14	0.86	0.992
FP00224027	DARS	64998	23	45.6	0.05	0.817	0.987
FP00122401	SANP1	29789	17	167.8	0.17	0.87	0.987
FP00762182	HBB-B1	19911	27	103.3	0.86	1.203	0.981
FP00137271	HABD4	27962	10	96.8	0.17	0.86	0.981
FP00224570	PKAK2B	53534	55	186.7	0.35	1.29	0.980
FP00127023	HIST1H2AC	18543	9	101.9	0.05	0.73	0.973
FP00133571	TPP3	27843	7	46.0	0.12	0.85	0.970
FP00051182	GBA5	38025	8	114.4	0.18	0.81	0.968
FP00262793	GLL3	49526	62	456.6	0.57	0.76	0.967
FP00152604	1110020098X	50239	10	41.7	0.07	0.76	0.967
FP00274327	DNM3	115173	96	201.6	0.22	0.875	0.962
FP00144212	NERF1	104321	15	40.7	0.04	0.729	0.954
FP00129031	AKL3L1AKL3L2-PS	29115	10	51.7	0.11	1.252	0.956
FP00152604	DLAT	48461	14	94.5	0.08	0.87	0.956
FP00109101	SOD2	29887	26	223.0	0.52	0.797	0.951
FP00469122	NTSD3	74149	19	28.8	0.05	0.87	0.951
FP00331791	SYNCR3	25886	11	111.5	0.28	0.715	0.947
FP00548141	GCN4L3	59236	6	58.6	0.06	0.96	0.946
FP00131962	UCHL1	30336	68	122.4	0.87	0.834	0.943
FP00127941	UCLN1	70356	13	47.4	0.09	0.942	0.943
FP00081096	MARF	49418	34	206.7	0.38	0.862	0.941
FP00124631	PPM1R	127427	9	26.0	0.17	0.97	0.941
FP00159954	LINA	45335	104	41.4	0.76	0.875	0.932
FP00440393	LOC10040995	103948	17	84.2	0.03	0.927	0.932
FP00229735	VAMP2	15173	17	88.3	0.83	0.863	0.926
FP00049723	CADM1	42762	7	99.4	0.16	0.824	0.926
FP00179644	HNRG1A	41265	10	149.5	0.17	1.270	0.916
FP00469122	LOC10040995	150472	15	47.2	0.02	0.712	0.914
FP00220822	ODD1	39500	15	227.6	1.17	0.861	0.900
FP00262111	DNAAF1	124204	17	41.2	0.07	0.872	0.900
FP00224740	PRF1	18161	16	68.6	0.07	0.804	0.882
FP00548142	PP5L1	41727	33	72.6	0.16	0.75	0.882
FP00240734	PNX2	69928	276	218.0	2.96	0.863	0.876
FP00130551	RASGE1	51	372.6	1.0	1.0	0.831	0.876
FP00080839	HSP90	90128	66	169.0	0.20	0.869	0.874
FP00119023	TRPP	32041	66	333.2	0.86	1.262	0.874
FP00154291	CGIT7	74611	23	187.8	0.04	0.761	0.867
FP00162793	CCT5	74611	23	187.8	0.04	0.761	0.867
FP00118496	GAD1	79819	26	464.4	0.08	0.564	0.860
FP00131401	STX18	58428	18	664.6	1.15	0.794	0.860
FP00125266	ALDH1	53254	10	50.4	0.06	0.835	0.857
FP00469122	LOC10040995	118248	9	61.7	0.03	0.794	0.857
FP00111501	CPX2	21887	44	105.2	1.35	0.783	0.838
FP00124631	PHF1	94455	52	270.0	1.14	0.779	0.836
FP00122811	CNGB1	10262	12	84.5	0.06	0.86	0.836
FP00127408	KAC1	10262	18	35.8	0.23	0.857	0.834
FP00470961	RTN3	124232	3	79.4	0.03	0.794	0.834
FP00123518	UPLA2	28770	8	56.7	0.12	0.714	0.826
FP00469122	LOC10040995	62486	69	89.1	0.06	0.824	0.826
FP00159954	NAG1	53467	10	28.2	0.13	0.779	0.824
FP00262793	ACTY11	71861	45	137.6	1.14	1.472	0.818
FP00176381	ACAT1	46288	15	145.9	0.02	1.239	0.817
FP00221208	AOR1	27166	38	178.1	0.05	0.875	0.799
FP00551462	HNR3	79719	11	179.8	0.09	1.087	0.794
FP00552327	WOR1	18911	10	57.6	0.05	0.978	0.790
FP00111512	BRIN3A	72571	10	113.0	0.05	0.846	0.787
FP00111556	PPP1CB	39773	16	36.2	0.17	0.846	0.787
FP00111512	PPP1R5C	81507	18	34.7	0.11	0.846	0.787
FP00282731	FEI1	109939	30	230.1	0.06	0.948	0.783
FP00178746	VGF	72507	40	264.7	0.05	0.684	0.776
FP001380795	FOXA2	36648	17	78.3	0.09	0.982	0.767
FP00454049	ECHS1	38850	20	113.7	0.09	0.891	0.774
FP00135712	FDX3	128213	18	128.2	0.13	0.823	0.774
FP00170905	GIT1	98822	39	63.3	0.07	0.870	0.773
FP00299955	PP1A3	124368	12	79.4	0.02	0.958	0.773
FP00580731	LOC10044107	47					