

Table S1. LC-MS/MS analysis of altered protein spots in PNS fractions isolated from mPFC of SNL-treated versus sham-treated rats 2 weeks after the surgery; list of exclusive unique peptides used for protein identification.

Spot	Accession number	Protein name	Exclusive unique peptides	Modifications	SC ^a [%]	MW ^b (kDa)	pI ^c
1	NP_077327.1	Heat shock cognate 71 kDa protein	(K)GPAVGIDLGTTYScVGVFQHGK(V)	Carbamidomethyl (+57)	69	71	5.47
			(K)NQVAmNPTNTVFDK(R)	Oxidation (+16)			
			(R)RFDDAVVQSDMK(H)				
			(R)FDDAVVQSDmK(H)	Oxidation (+16)			
			(K)HWPFMVVNDAGRPK(V)				
			(K)VQVEYKGETK(S)				
			(K)SFYPEEVSSMVLTK(M)				
			(K)mKEIAEAYLGK(T)	Oxidation (+16)			
			(K)EIAEAYLGK(T)				
			(K)TVTNAVVTVPAYFNDSQR(Q)				
			(K)DAGTIAGLNVL(R)				
			(R)MVNHFAIEFK(R)				
			(R)TLSSSTQASIEIDSLYEGIDFYTSITR(A)				
			(K)SQIHDIIVLVGGSTR(I)				
			(K)SINPDEAVAYGAAVQAAILSGDK(S)				
			(K)FELTGIPPAPR(G)				
			(K)NSLESYAFNMK(A)				
			(K)cNEIISWLDK(N)	Carbamidomethyl (+57)			
			(K)cNEIISWLDKNQTAEKEEFHQK(E)	Carbamidomethyl (+57)			
			(K)LYQSAGGMPGGMPGGFPGGGAPPSGGASSGPTIEEVD(-)				
			(R)mVNHFAIEFK(R)	Oxidation (+16)			
			(K)SFYPEEVSSmVLTK(M)	Oxidation (+16)			
			(K)SQIHDIIVLVGGSTR(I)				
2	NP_059023.1	Guanine nucleotide-binding protein G(O) subunit alpha	(K)NLKEDGISAAK(D)		58	40	5.48
			(K)IIHEDGFSGEDVK(Q)				
			(R)AMDTLGVEYGDK(E)				
			(R)AMDTLGVEYGDKER(K)				
			(R)AmDTLGVEYGDKER(K)	Oxidation (+16)			
			(R)MEDTEPFSAELLSAMMR(L)				
			(R)MEDTEPFSAELLSAmMR(L)	Oxidation (+16)			

			(R)MEDTEPFSAELLSAMmR(L)	Oxidation (+16)			
			(R)LWGDSGIQEcFNR(S)	Carbamidomethyl (+57)			
			(R)SREYQLNDSAK(Y)				
			(R)EYQLNDSAK(Y)				
			(R)IGAADYQPTEQDILR(T)				
			(R)MHESLMLFDSIcNNK(F)	Carbamidomethyl (+57)			
			(K)FFIDTSIILFLNK(K)				
			(K)KSPLTIcFPEYPGSNTYEDAAAYIQTQFESK(N)	Carbamidomethyl (+57)			
			(K)SPLTIcFPEYPGSNTYEDAAAYIQTQFESK(N)	Carbamidomethyl (+57)			
3	P62260.1	14-3-3 protein epsilon	(-)mDDREDLVYQAK(L)	Acetyl (+42)	84	29	4.86
			(K)LAEQAERYDEMVESMK(K)				
			(R)YDEMVESMK(K)				
			(R)YDEMVESmK(K)	Oxidation (+16)			
			(K)KVAGMDVELTVEER(N)				
			(K)VAGMDVELTVEER(N)				
			(K)VAGmDVELTVEER(N)	Oxidation (+16)			
			(K)LiccDILDVLDK(H)	Carbamidomethyl (+57), Carbamidomethyl (+57)			
			(K)LiccDILDVLDKHLIPAANTGESK(V)	Carbamidomethyl (+57), Carbamidomethyl (+57)			
			(K)HLIPAANTGESK(V)				
			(R)YLAEFATGNDR(K)				
			(R)YLAEFATGNDRK(E)				
			(K)EAAENSLVAYK(A)				
			(K)AASDIAMTELPPTHPIR(L)				
			(K)AAFDDAIAELDTLSEESYK(D)				
			(R)DNLTWLTSMDMQGDGEEQNK(E)				
			(R)DNLTWLTSMDMQGDGEEQNKEALQDVEDENQ(-)				
			(K)EALQDVEDENQ(-)				
4	NP_037150.2	Ras-related protein Rab-3A	(K)ESSDQNFDFYMFK(I)		49	25	4.73
			(R)YADDSFTPAFVSTVGIDFK(V)				
			(K)TYSWDNAQVLLVGNK(C)				
			(R)QLADHLGFEFFASAK(D)				
			(K)MSESLDTADPAVTGAK(Q)				
			(K)mSESLDTADPAVTGAK(Q)	Oxidation (+16)			
5	NP_997477.1	lactoylglutathione lyase	(K)DFLLQQTmLR(I)	Oxidation (+16)	56	20.8	5.13

			(K)DFLLQQTMLR(I)				
			(R)VLGLTLLQK(L)				
			(K)FSLYFLAYEDK(N)				
			(K)FSLYFLAYEDKNDIPK(D)				
			(K)FSLYFLAYEDKNDIPKDK(T)				
			(K)ATLELTHNWGTEDDETQSYHNGNSDPR(G)				
			(R)GFGHIGIAVPDVYEAcK(R)	Carbamidomethyl (+57)			
			(R)GFGHIGIAVPDVYEAcKR(F)	Carbamidomethyl (+57)			
			(K)GLAFVQDPDGYWIEILNPNK(M)				
6	NP_058932.1	phosphatidylethanolamine-binding protein 1	(R)VDYGGVTVDELGK(V)		62	20.8	5.47
			(K)VLTPTQV _m NRSSISWDGLDPGK(L)	Oxidation (+16)			
			(K)LYTLVLTDPDAPSR(K)				
			(K)LYTLVLTDPDAPSRK(D)				
			(K)GNDISSGTVLSEYVGSGPPK(D)				
			(K)GNDISSGTVLSEYVGSGPPKDTGLHR(Y)				
			(R)YVWLVEYEQPLNcDEPILSNK(S)	Carbamidomethyl (+57)			
			(K)YHLGAPVAGTcFQAEWDDSVPK(L)	Carbamidomethyl (+57)			
7	NP_075211.2	triosephosphate isomerase	(K)cLGELIcTLNAAK(L)	Carbamidomethyl (+57), Carbamidomethyl (+57)	71	26.9	7.37
			(K)LPADTEVVcAPPTAYIDFAR(Q)	Carbamidomethyl (+57)			
			(K)IAVAAQNcYK(V)	Carbamidomethyl (+57)			
			(K)VTNGAFTGEISPGMIK(D)				
			(K)VTNGAFTGEISPGmIK(D)	Oxidation (+16)			
			(K)DLGATWVVLGHSER(R)				
			(R)RHIFGESDELIGQK(V)				
			(R)HIFGESDELIGQK(V)				
			(K)VNHALSEGLGVIAcIGEKL(L)	Carbamidomethyl (+57)			
			(K)VVLAYEPVWAIGTGK(T)				
			(K)TATPQQAQEVHEK(L)				
			(K)cNVSEGVAQcTR(I)	Carbamidomethyl (+57), Carbamidomethyl (+57)			
			(R)IIYGGSVTGATcK(E)	Carbamidomethyl (+57)			
			(K)ELASQPDVDGFLVGGASLKPEFVDIINAK(-)				
8	NP_075211.2	triosephosphate isomerase	(K)cLGELIcTLNAAK(L)	Carbamidomethyl (+57), Carbamidomethyl (+57)	64	26.9	7.59
			(K)IAVAAQNcYK(V)	Carbamidomethyl (+57)			

			(K)VTNGAFTGEISPGMIK(D)				
			(K)VTNGAFTGEISPGmIK(D)	Oxidation (+16)			
			(K)DLGATWVVLGHSER(R)				
			(R)RHIFGESDELIGQK(V)				
			(R)HIFGESDELIGQK(V)				
			(K)VNHALSEGLGVIAcIGEK(L)	Carbamidomethyl (+57)			
			(K)VVLAYEPVWAIGTGK(T)				
			(K)TATPQQAQEVHEK(L)				
			(K)cNVSEGVAQcTR(I)	Carbamidomethyl (+57), Carbamidomethyl (+57)			
			(R)IIYGGSVTGATcK(E)	Carbamidomethyl (+57)			
			(K)ELASQPDVDGFLVGGASLKPEFVDIINAK(-)				
9	NP_446090.1	isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial precursor	(R)NVTAIQGPGGK(W)		46	39.6	6.13
			(K)TPIAAGHPSMNLLLR(K)				
			(K)TPIAAGHPSmNLLLR(K)	Oxidation (+16)			
			(K)TFDLYANVRPcVSIEGYK(T)	Carbamidomethyl (+57)			
			(K)TPYTDVNIVTIR(E)				
			(R)ENTEGEYSGIEHVIVDGVVQSIK(L)				
			(K)RIAEFAFEYAR(N)				
			(R)IAEFAFEYAR(N)				
			(R)mSDGLFLQK(C)	Oxidation (+16)			
			(R)MSDGLFLQK(C)				
			(K)DmANPTALLLSAVmMLR(H)	Oxidation (+16), Oxidation (+16)			
			(K)DMANPTALLLSAVmMLR(H)	Oxidation (+16)			
			(R)HmGLFDHAAK(I)	Oxidation (+16)			
			(K)IEAAcFATIK(D)	Carbamidomethyl (+57)			
			(K)cSDFTEEIcR(R)	Carbamidomethyl (+57), Carbamidomethyl (+57)			
10	NP_150238.1	malate dehydrogenase, cytoplasmic isoform MDH1	(K)DLDVAVLVGSMPr(R)		50	36.5	6.41
			(K)DLDVAVLVGSmPr(R)	Oxidation (+16)			
			(K)VIVVGNPANTNcLTASK(S)	Carbamidomethyl (+57)			
			(K)LGVTADDVK(N)				
			(K)NVIIWGNHSSTQYPDVNHAK(V)				
			(K)EVGVYEALK(D)				

			(K)EVGVYEALKDDSWLK(G)				
			(K)GEFITTQQR(G)				
			(K)LSSAMSAAK(A)				
			(R)DIWFGTPEGFEVSmGVISDGNSYGVPPDLLYSFPVVIK(N)	Oxidation (+16)			
11	NP_058933.2	Ubiquitin carboxyl-terminal hydrolase isozyme L1	(-)MQLKPmEINPEMLNK(V)	Oxidation (+16)	87	24.8	5.24
			(-)MQLKPmEINPEmLNK(V)	Oxidation (+16), Oxidation (+16)			
			(-)mQLKPmEINPEmLNK(V)	Oxidation (+16), Oxidation (+16), Oxidation (+16)			
			(-)mQLKPmEINPEMLNK(V)	Acetyl (+42), Oxidation (+16)			
			(R)FADVLGLEEETLGSVPSPAcALLLLFPLTAQHENFR(K)	Carbamidomethyl (+57)			
			(K)QIEELKGQEVSPK(V)				
			(K)QTIGNScGTIGLIHAVANNQDK(L)	Carbamidomethyl (+57)			
			(K)QTIGNScGTIGLIHAVANNQDKLEFEDGSVLK(Q)	Carbamidomethyl (+57)			
			(K)LEFEDGSVLK(Q)				
			(K)LEFEDGSVLKQFLSETEK(L)				
			(K)NEAIQAAHDSVAQEGQcR(V)	Carbamidomethyl (+57)			
			(R)VDDKVNHFHILFNNVDGHLIELDGR(M)				
			(K)VNFHILFNNVDGHLIELDGR(M)				
			(R)mPFPVNHGASEDSLLQDAAK(V)	Oxidation (+16)			
			(R)EFTEREQGEVR(F)				
12	NP_476484.1	Parkinson disease protein 7 homolog isoform 2	(K)GAEEMETVIPVDIMR(R)		72	20	6.73
			(K)GAEEEmETVIPVDIMR(R)	Oxidation (+16)			
			(K)GAEEEmETVIPVDImR(R)	Oxidation (+16)			
			(K)VTVAGLAGK(D)				
			(K)VTVAGLAGKDPVQcSR(D)	Carbamidomethyl (+57)			
			(R)DVVIcPDTSLEEAK(T)	Carbamidomethyl (+57)			
			(K)TQGPYDVVVLPGGNLGAQNLSALVK(E)				
			(R)KGLIAAIcAGPTALLAHEVGFGcK(V)	Carbamidomethyl (+57)			
			(R)GPGTSFEFALAIVEALSGK(D)	Carbamidomethyl (+57)			

^a the percentage of the sequence covered by identifications from the included searches

^b the molecular weight of the protein

^c the observed isoelectric point value