

Table SII. Search criteria and summary of spinal cord phosphoproteomics between the Sham and CIBP groups.

Sequence	Protein group	CIBP1/Sh CIBP2/Sh CIBP3/Sh Average				P-value
	accessions	am1	am2	am3	CIBP/Sham	
ekREsVAsGDDR	P15205;F1LRL9	1.326957 163	1.325886 314	1.321849 615	1.3248977	0.000023
dSEVSTkPEGVHAPNQ	Q64548	1.259726 826	1.244958 665	1.249994 206	1.2515599	0.000297
PsPVEGk						
gsGGDEGGSGGGPR	D4A3E1	1.248278 933	1.256920 716	1.225692 379	1.24363068	0.001457
lcGVDSSVAVSsGGELF	A0A1L1WKF1	1.208252 941	1.237013 558	1.231612 524	1.22562634	0.001527
LRFIsLTSLEySDySkck						
gDYTPAPGRDssQssDV	Q31274	1.289636 377	1.323575 336	1.330064 519	1.31442541	0.001586
SLPDck						
sPAEAksPASVks	P16884;F1LRZ7	1.677020 930	1.761704 185	1.771188 340	1.73663782	0.001647
fSGEEGEIEDDEsGTEN	Q5M7V8	1.301050 322	1.257363 704	1.257563 591	1.27199254	0.002841
R						
sPAEAksPASVksPGEAk	P16884;F1LRZ7	1.364011 842	1.436367 952	1.435382 614	1.41192080	0.003365
gSsPEGR	D3ZTF0	1.355016 521	1.303318 058	1.295619 751	1.31798478	0.003422
eSSEStNttIEDEDTk	P11275	1.240229 201	1.291694 140	1.284015 372	1.27197957	0.003455
sPAEAksPAsVksPGEAk	P16884;F1LRZ7	1.699554 572	1.637742 094	1.789891 809	1.70906282	0.003860
sNRGsSDsLDsLsPR	O35867	1.332771 608	1.266201 442	1.324245 452	1.30773950	0.004587
aELEEmEETHPsDEEGE	P34926;Q63330	1.209260	1.248330	1.197755	1.21844899	0.004873

ETk		579	797	592		
dTVDSAGtsPTAVLAA		1.181076	1.196040	1.229986		
	A0A0G2K272				1.20236770	0.005073
GEDAGAGR		254	406	446		
gVGVPsSPVRAPPDsPT		1.220247	1.268200	1.204656		
	D3ZAU7				1.23103470	0.006780
TPVR		233	789	068		
		1.249711	1.322225	1.244912		
dEPPsEGEAEEEEk	P19527				1.27228319	0.008331
		604	020	937		
		1.462240	1.334615	1.388151		
eFVssDEsssGENk	Q04931				1.39500243	0.008661
		516	355	413		
dGGEALVsPDGTVTEA		1.391299	1.365733	1.278500		
	D3ZWL6				1.34517804	0.009644
PR		417	839	871		
eEPEDVGMtPGEAsQGs		1.465223	1.507446	1.357502		
	F1M403				1.44339103	0.009985
DSEGGAQGPASASR		953	519	629		
		1.251398	1.238183	1.175965		
qPGVQsPSR	P15205;F1LRL9				1.22184923	0.010812
		607	166	928		
		1.291731	1.205617	1.284511		
cPEILSDEsssDEDEkk	Q6AXS3				1.26061990	0.011014
		271	094	345		
		1.417110	1.510107	1.353289		
dAssDsEYDsDDDRTk	A0A0H2UHV4				1.42683575	0.011188
		103	360	783		
		1.391768	1.370652	1.270513		
dSsQsSDVSLPDck	Q31275;Q31274				1.34431136	0.011594
		278	567	248		
fSEMMDHMGDEDVD		1.269200	1.207035	1.188083		
LPEVDGADDDSQDsD	P83868				1.22143963	0.012020
		550	188	148		
DEkMPDLE						
eEDEEDEDEPTETETsG		1.308659	1.337026	1.225663		
	D3ZH75				1.29044962	0.012976
ER		165	311	390		
mAGTmETSEMVNGAA		1.163951	1.240011	1.236381		
EQRTSskEssPVPsPTSD	Q5D002				1.21344814	0.013202
		103	997	308		
R						

dSGTMGsDsDEDTIMG		1.431009	1.320533	1.488874		
	B5DEI3				1.41347251	0.013965
Tk		095	868	554		
sTETSDFENIEsPLNER	F1MAA1	1.282197	1.430857	1.363528		
		652	508	252	1.35886114	0.014042
qRGsETGsETHESDLAP		1.210549	1.245922	1.159445		
	Q6MG48				1.20530592	0.014621
SDk		752	678	332		
gEGsESEQsEEEEGEk	D4AE00	1.594396	1.772867	1.513176		
		716	071	501	1.62681343	0.014645
eEITtFIDEtPLPsPtAsPG		2.969975	3.253014	3.960482		
	D4AAS1				3.39449080	0.014797
PSPRRPRPLGFSPR		391	383	631		
gDVEGSQsQDEGEGSG		2.254266	2.032745	1.796647		
	P97690				2.02788681	0.016124
ESER		833	869	716		
ssSSVHLmEPQTTVVH		1.374807	1.308036	1.237990		
	P11730				1.30694490	0.016160
NATDGIk		915	327	445		
gVTSNTsDsESSSk	Q62936	1.215412	1.341036	1.307792		
		690	809	124	1.28808054	0.016595
sPAEAksPAsVk		1.482004	1.675493	1.775886		
	P16884;F1LRZ7				1.64446145	0.017441
		569	195	593		
aSYDSVEDSsEsENsPV		1.410217	1.465003	1.287657		
	Q9JKS6				1.38762589	0.017806
VR		143	257	278		
dAAATEEPGsPVkstPASP		1.202638	1.303073	1.324804		
	F8WFS9				1.27683895	0.017977
VQSPTR		208	801	841		
eEEEGIsQEssEEEQ	Q8K585	1.737431	1.740888	1.471475		
		079	692	713	1.64993183	0.018334
kGtGDcsDEEVDGk		1.345296	1.262374	1.214698		
	G3V6P7				1.27412306	0.018828
		028	500	637		
hsDSGsDSk		1.423389	1.304996	1.270167		
	A0A0G2K1X6				1.33285123	0.018862
		826	421	450		
eSPPQPPADDGsEEPGs	D4A1Q2	1.260384	1.199946	1.327637	1.26265620	0.019150

ETSDAkSTPTAEDVTA		311	317	961		
PLVEER						
esVAsGDDRAEEDMDE	P15205;F1LRL9	1.255722	1.424040	1.347137		
ALEk		853	503	283	1.34230021	0.019607
aEDDGGEsEGDAsEk	D4A997	1.267791	1.190413	1.324896		
		575	123	610	1.26103377	0.021568
aAPTSSSSsPPsPAsPTS	M0R5H1	1.231063	1.392211	1.355163		
LNQGAR		597	409	156	1.32614605	0.021603
dSFSQESSPssPSDLAk	Q9JKS6	1.189737	1.298703	1.319617		
		649	374	306	1.26935278	0.021622
nDGVkEssEstNttIEDED	P11275	1.266865	1.459137	1.401859		
Tk		002	735	612	1.37595412	0.022220
nAIPsDSEVDsDTEVPk	Q641X2	1.209179	1.361155	1.310116		
		554	830	275	1.29348389	0.022375
ektPsPkEEDEEAESPPEk	A0A0G2K7X3	1.276078	1.158684	1.229481		
		822	546	559	1.22141498	0.022943
sRsPiPPSAAGLGNSA	D3ZAX5	1.246758	1.413606	1.288391		
PPIPDSR		673	439	568	1.31625223	0.024226
gASAATGVPLEsDEDS						
NDNDNDLENENcMHT	A0A0G2K1U1	1.202351	1.283174	1.165893		
N		834	428	050	1.21713977	0.024537
IHLESPQPsPk	Q5PQP4	1.188331	1.299626	1.332869		
		070	894	546	1.27360917	0.024579
sAsRsGsAHGSGk	P62997	1.163190	1.273381	1.282757		
		382	996	371	1.23977658	0.024687
tPFTTSGsLENN	P21816	1.249440	1.243428	1.144309		
		771	149	387	1.21239277	0.024801
eSEAEsDEssDEDS	Q6LDZ3	1.810117	1.516947	1.508743		
Tsk		674	253	412	1.61193611	0.025247

tPPAQk	P34926;Q63330	1.165716	1.278604	1.190229	1.211517	0.025277
		896	343	771		
eTcsPVsEGEEFSSPATN	D3ZSU3	1.152168	1.243007	1.273846	1.22300771	0.025787
TcGak		630	806	683		
eSEAGTGssEHEDGERE	F1M3W5	1.153967	1.235952	1.280070	1.22332978	0.026293
GsPR		111	075	160		
eGQGADkAsEGEEDPG	Q4V8H9	1.803316	1.843715	1.470893	1.70597505	0.026870
NR		280	752	117		
gSTEscNtttEDEDLk	P11730	1.663619	1.864239	1.474425	1.66742819	0.027277
		479	891	207		
sVTSNQSDGtQEscEsPD	D4ACZ5	1.608210	2.101039	1.821595	1.84361500	0.027438
VLDR		017	341	644		
dEPPsEGEAEEEEkEk	P19527	1.227334	1.422973	1.332495	1.32760123	0.028508
		579	430	686		
sDQAEEGGsEkEGSSEk	G3V7S2	1.307690	1.523552	1.337169	1.38947095	0.028813
		667	868	324		
tHsGsSGGsGSR	Q9QZM5	2.695042	1.919341	2.224307	2.27956391	0.029713
		439	956	349		
lkFsDEEDGRDsDEEGA	Q6MG48	1.195296	1.360094	1.253594	1.26966191	0.030551
EGHk		715	884	137		
sPAEAksPAEVksPVEAk	P16884;F1LRZ7	1.793075	1.597501	2.111192	1.83392323	0.030742
		418	955	332		
eDTDQEEkAsNEDVTk	Q566D6	1.242391	1.410880	1.252035	1.30176878	0.031241
		093	119	121		
mESEAGADDsAEEGDL	G3V9R8	1.211692	1.408139	1.362200	1.32734433	0.031313
LDDDDNEDRGDDQLE		290	954	750		
Lk	B5DFK6	1.149200	1.256208	1.289852	1.23175374	0.031886
hSsLPtEsDEDIAPAQR		113	212	898		

sLSNSNPDISGTPTsPD		1.341187	1.276801	1.174478		
	F1LRS2				1.26415587	0.032144
DEVR		757	005	836		
dDEkEPEEGEDDRDSA		1.466990	1.696018	1.375387		
	G3V9R8				1.51279912	0.032878
NGEDDs		787	963	618		
gEAEQsEEEEEEEEEDkA		1.511982	1.934032	1.609711		
	P15205;F1LRL9				1.68524185	0.032947
EDAR		222	236	079		
eALGGNAADsDTEDED		1.479863	1.317760	1.260278		
	A0A0G2JXY3				1.35263422	0.033045
QLQNDkER		236	637	795		
dLkGPssQEDES GGIEDs		1.168761	1.332316	1.260372		
	A0A0G2K0F3				1.25381692	0.033055
PDR		818	046	883		
gsGQEEEk		1.274165	1.490138	1.309413		
	G3V7S2				1.35790590	0.033204
		268	546	872		
tSAsPPLEksGDEGsEDE		1.543115	1.356356	1.704106		
	A0A0G2K7X3				1.53452596	0.033566
AAsgED		442	423	002		
ksNIsvyEVDGk		1.167492	1.287191	1.170074		
	Q5XI06				1.20825291	0.034106
		754	853	137		
gQEEQsPGLEDk		1.548087	1.356909	1.295027		
	Q64548				1.40000817	0.034395
		019	713	788		
sRsRsPR		1.664755	1.360109	1.426513		
	D3ZR17;D3ZGL5				1.48379260	0.034659
		318	395	079		
gFEEEHkDsDDDssDDE		1.330919	1.447942	1.224432		
	D3ZMS1				1.33443142	0.035290
QEk		209	824	222		
vFDDsDEkEDEEDTDV		1.302441	1.438271	1.225621		
	D4A997				1.32211143	0.035291
R		040	419	819		
aEEAkDEPPsEGEAEEE		1.207233	1.424398	1.356716		
	P19527				1.32944940	0.035893
Ek		313	702	193		
dENERSsIsPMDEPVDP		1.186837	1.318875	1.182801		
	P15205;F1LRL9				1.22950496	0.035904
SEsPIEk		856	492	545		
eQEDNLGVcADQssED	D4AA20	1.512674	1.529431	1.903102	1.64840300	0.036527

R		920	341	746		
gNEQNPEEDAQsDVTE		1.249070	1.177896	1.354236		
GHDEEDEIYEGEYQGI	Q63564				1.26040110	0.036579
PHPDDV _k		307	232	761		
tSskEssPVPsPTSDR	Q5D002	1.394310	1.478512	1.228608		
		489	824	027	1.36714378	0.03773
kDDsHsAEDsEDEkDDH		1.407346	1.246973	1.518153		
	A0A0G2K7X3				1.39082453	0.038255
k		826	009	748		
sQEPISNDQkDsDDdkE		1.231992	1.335387	1.165469		
	Q9Z1W6				1.24428294	0.038597
k		484	063	259		
qDIsPTR	O35430	1.260417	1.253691	1.126288		
		535	942	623	1.21346603	0.039330
sAPsDsPsPSFVR	F1LN57	1.199228	1.287287	1.138090		
		652	425	958	1.20820235	0.040638
tsskEssPVPsPTSDR _k	Q5D002	1.233483	1.332532	1.157689		
		167	373	435	1.24123499	0.041324
kGssTDISEDWE _k	D4A3M7	1.313992	1.329697	1.154300		
		414	593	970	1.26599699	0.041622
eEPEDVGmTPGEAsQG		1.140773	1.308672	1.246788		
	F1M403				1.23207801	0.041840
sDsEGGAQGPASASR		373	290	369		
gNPSPAPsPsPGPGPGP		1.223784	1.288878	1.132181		
	Q75T81				1.21494837	0.041918
GASER		280	998	827		
eDsPERcsDsDEEk	Q6DGF2	1.209789	1.305193	1.144809		
		417	027	910	1.21993078	0.042040
eGssEkDEGEQEEEEGET		1.460141	1.934306	1.597045		
	G3V7S2				1.66383083	0.042216
EAEGEGEEAEAk		082	365	053		
hEGktDsER	G3V874	1.371821	1.196675	1.434092		
		588	586	614	1.33419660	0.042372
tEsPPsPSSDVEDPR	F7FLS6	1.347570	1.202853	1.181665	1.24403002	0.042731

		259	822	965		
rGsAtsssNTSLt	B1H2A2	1.306866	1.439919	1.651134	1.46597318	0.043287
		051	064	414		
eEEPEVEksPVksPEAk	G3V7S2	1.647217	2.344432	1.865340	1.95233004	0.043710
		122	463	524		
sGsGtDGsDEk	Q9QY02	1.973018	2.611641	1.808812	2.13115761	0.043807
		943	089	797		
eSQSNLIADGDGsEVSD	F1LMD9	1.363439	1.415461	1.184925	1.32127556	0.044113
EEEAScPSEER		763	204	726		
tDRtPAtPEEDLDETTTR	Q3SWS9	1.306131	1.204022	1.142291	1.21748164	0.045019
		300	486	133		
sPAsVksPGEAksPAEAk	P16884;F1LRZ7	1.373428	1.848513	1.755758	1.65923362	0.045356
		671	906	279		
IHNENAEMDsDssssGT	Q3B7D1	1.123690	1.220519	1.283557	1.20925601	0.045985
ETDLHGSLR		802	686	530		
aELEEMEETHPsDEEGE	P34926;Q63330	1.115315	1.242098	1.262850	1.20675500	0.046310
ETk		807	379	823		
sPAEVksPVEAk	P16884;F1LRZ7	1.790445	1.483045	2.101595	1.79169547	0.047290
		582	270	559		
dEPPsEGEAEEEEkEKEE	P19527	1.219549	1.518241	1.422989	1.38692662	0.048121
GEEEEGAEEEEAAk		009	130	730		
qQEsDDSLVDYGEgge	D3ZW56	1.334615	1.181275	1.426876	1.31425558	0.048222
GQFNEDGSFIGQYTVR		061	512	180		
eEEGDsEGDDYGSDSN	G3V9L1	2.188304	2.104605	3.161681	2.48486379	0.048444
TPR		606	349	405		
qNsDPTSENPLPTR	D3ZZQ0	1.256108	1.473161	1.244417	1.32456276	0.048708
		753	619	894		
sEEQGLQDPEkQEsPVE	D4A1J3	1.281277	1.658213	1.486707	1.47539975	0.048723
EATR		372	995	876		

eAHsDDNPSEGDGAVR	D3ZYR0	1.219463	1.513169	1.375749	1.36946081	0.048900
		507	112	805		
aIEEssEsEssFsD	D3ZKX1	1.412243	1.835149	1.473419	1.57360419	0.049062
		783	405	390		
cPGsEGssPTESIPGEGA	D3ZJH2	1.145272	1.336537	1.238041	1.23995028	0.049096
R		035	580	234		
sPAEAksPASVk	P16884;F1LRZ7	0.807146	0.805981	0.807668	0.80693177	0.000006
		092	175	036		7
dSLtsPEDELGAEVGDE	D3ZT47	0.819676	0.826019	0.815632	0.82044274	0.000283
AGDkk		337	254	636		
rsRsPSQR	A0A0G2K2F4	0.732021	0.730855	0.715471	0.72611627	0.000379
		533	283	986		
sQEEAPGHR	M0RDR2	0.822115	0.813341	0.830175	0.82187764	0.000744
		375	597	942		
sPATVksPGEAksPAEAk	P16884;F1LRZ7	0.798035	0.776168	0.790529	0.78824441	0.000916
		320	558	337		
aRsHSPssPER	A0A0G2K2M9	0.784350	0.759160	0.767473	0.77032811	0.001039
		167	589	585		
fSHNYLsDsDTEAkLTE	D3ZFD0	0.782591	0.802664	0.780474	0.78857658	0.001116
TNA		285	089	357		
rHsTsPsPSR	D4A4B4	0.687468	0.639391	0.656844	0.6612348	0.001716
		759	068	568		
tkNDFEQGSQGQEGDs	G3V7X5	0.811561	0.827045	0.838859	0.82582235	0.002053
NAEGEDk		392	850	818		
rRsPsPPPAR	B2RYB3	0.832441	0.798463	0.819930	0.81694522	0.002925
		824	420	429		
lSPsPTSQR	A0A1B0GWU9	0.649058	0.658947	0.593476	0.63382753	0.003082
		617	974	010		
kSRsAsTISk	P63142	0.823550	0.813151	0.848885	0.82852916	0.003808

		924	426	142		
rRsPsPYYSR	P62997;B1WC25	0.807477	0.824383	0.845116	0.82565953	0.003875
		839	917	837		
aSADsPGR	F1LR18	0.709982	0.655295	0.642520	0.66926615	0.003891
		786	483	191		
sDVEtATDsDTESR	F1LSL6	0.833704	0.800561	0.795216	0.80982760	0.003983
		672	523	620		
gGSQHtDsGEMEVD	B4F772	0.779218	0.791472	0.823472	0.79805434	0.004240
		110	489	425		
gHDsPDPsPTR	G3V8F3	0.736140	0.666108	0.681038	0.69442936	0.004822
		998	459	624		
vGSEkGsTGsRDGk	Q80XF7	0.757714	0.721528	0.780627	0.75329032	0.004827
		809	728	437		
rGssAAR	Q498U0	0.770402	0.707115	0.735114	0.73754411	0.004832
		196	312	808		
aPTAAPsPEPR	M0R6E6	0.748302	0.707715	0.773587	0.74320170	0.005536
		733	162	199		
aRsMsPPPk	G3V6S8	0.709513	0.746807	0.778821	0.74504756	0.006114
		963	275	447		
aEEEQQTGPGAGtAA	D4AAI2	0.828609	0.775603	0.789245	0.79781937	0.006121
Sk		922	105	091		
sRsRSPPPVSk	Q6PDU1	0.527724	0.592983	0.640419	0.58704227	0.006200
		055	337	425		
skELVsssssGsDSDSEVE	Q63396	0.811550	0.813661	0.854754	0.82665578	0.006517
k		933	986	436		
sPVPksPVEEVkPkPEAk	G3V7S2	0.815810	0.782156	0.836929	0.81163195	0.007093
		367	301	196		
sRsGSSPPk	A0A0G2K2M9	0.805863	0.823374	0.859040	0.82942581	0.008309
		179	226	032		

sRsVsPcPk	A0A0G2K2M9	0.780950	0.696834	0.739615	0.73913370	0.008554
		439	705	946		
aELGMNDsPSQSPPVk	G3V9U0	0.861186	0.833756	0.805045	0.83332934	0.009325
		285	502	223		
kSEGsPNQGk	F1M853	0.819073	0.793317	0.744483	0.78562478	0.010251
		308	859	187		
qSPsQNER	G3V8Q9	0.740094	0.818384	0.792211	0.78356353	0.011115
		514	968	113		
atSPQk	G3V818	0.818284	0.751004	0.816778	0.79535597	0.011544
		674	585	651		
fsRSATR	A0A0G2K4J8	0.786605	0.704022	0.688717	0.72644861	0.012127
		828	957	048		
sSsGak	A0A097BVJ5	0.829622	0.777855	0.845571	0.8176832	0.012336
		860	285	445		
sPASVksPGEAk	P16884;F1LRZ7	0.788640	0.734598	0.819090	0.78077621	0.012463
		032	437	151		
kcDHEssPGtDEDkSG	G3V6Y9	0.831975	0.784049	0.852681	0.82290230	0.012917
		939	719	255		
sAVRPsPsPER	A0A0G2K2M9	0.851024	0.782593	0.837037	0.82355170	0.013707
		043	951	106		
sRsRAsPATHR	A0A0G2K2M9	0.770496	0.716066	0.814146	0.76690323	0.014492
		134	727	839		
sRsRTsPVSR	A0A0G2K2M9	0.790682	0.674422	0.731746	0.73228411	0.015356
		815	716	797		
eSEAGTGsSEHEDGER	F1M3W5	0.760238	0.835088	0.745470	0.78026594	0.015567
		911	750	164		
kYQVDLsk	P06686	0.724258	0.726383	0.817800	0.75614748	0.015614
		210	370	868		
aGIPQHHPMAQNLQY	F1LNP8	0.840256	0.756455	0.819956	0.80555617	0.016435

PDDsDDEkk		239	584	673		
		0.672245	0.555919	0.708925		
rRsLsPk	Q5RKH1				0.64569663	0.016526
		330	001	563		
sSGsLsPGLETEDPLEA		0.805052	0.689148	0.723925		
	D3ZF26				0.73937550	0.01692
R		499	034	965		
		0.839980	0.788822	0.866209		
lPPSsPQk	Q9QXY2				0.83167091	0.017739
		699	832	198		
		0.817699	0.869716	0.787337		
mGsGDSSR	Q4V7A6				0.82491792	0.018355
		976	088	693		
sGERsGYssPGsPGTPGS		0.853590	0.792289	0.760700		
	D4A1Q2				0.80219357	0.018479
R		368	477	878		
		0.725845	0.602514	0.737942		
nIVTPRtPPPSQGk	P02688				0.68876739	0.018784
		912	082	162		
		0.781443	0.866142	0.798139		
sPQANk	Q811Q1				0.81524185	0.019094
		475	662	416		
		0.879583	0.806943	0.811214		
lNkTDEEIsS	P61765				0.83258054	0.019192
		334	878	408		
		0.863289	0.776262	0.832072		
gGPAEEPSPRGsPR	D3ZXD8				0.82387489	0.020255
		603	632	445		
		0.833722	0.720290	0.761362		
vAERRssPLLR	Q99P98				0.77179185	0.020465
		900	018	625		
lKDLGHPVEEEDEsGDQ						
		0.760015	0.684826	0.810871		
EDDDDELDDGDRDQD	P41542				0.75190441	0.021090
		743	063	422		
I						
		0.871030	0.781462	0.824356		
aQLEPVAsPAk	A0A0G2K1J5				0.82561643	0.021298
		923	125	247		
		0.671898	0.683330	0.805650		
qSRsNsPQPk	A0A0G2K2M9				0.72029317	0.022629
		300	482	737		
rsSSTISk	P10499	0.758308	0.780087	0.859555	0.79931726	0.022709

		680	125	971		
vGsEkGsTGsRDGk	Q80XF7	0.811388	0.719803	0.827538		
					0.78624354	0.023754
		523	976	133		
gsPRYsPR	D4A9L2	0.721763	0.599597	0.760184		
					0.69384865	0.024106
		266	857	816		
sSsVTsIDkESR	Q9WU70	0.805014	0.806661	0.885600		
					0.83242560	0.024268
		341	991	474		
aEsPsPR	D3ZPH3	0.829492	0.728068	0.823679		
					0.79374710	0.024487
		989	490	823		
asPGR	P51111;D3ZCU1	0.799176	0.845859	0.729456		
					0.79149764	0.025317
		133	981	799		
sGPQcSsPlcQEEADVR	Q4KM62	0.775379	0.803284	0.667189		
					0.74861749	0.026192
		080	143	258		
tSskEsSPVPSPTSDRk	Q5D002	0.835518	0.698232	0.749474		
					0.76107523	0.026971
		525	650	507		
rRsPsPR	Q5M7V8;D3ZGL5; B2RYB3	0.821183	0.677204	0.758766		
					0.75238482	0.02719
		156	707	610		
kSStPEEVk	P45592	0.858806	0.745973	0.816130		
					0.80696996	0.02783
		563	138	170		
kIAELEERSQGStSNS DWMk	F1LRL9	0.796062	0.687300	0.815390		
					0.76625101	0.027879
		285	740	018		
gRsRtPLTSR	A0A0G2K2M9	0.888729	0.794541	0.812554		
					0.83194159	0.028258
		163	595	013		
sPASVksPGEAksPAEAk	P16884;F1LRZ7	0.847537	0.722070	0.806773		
					0.79212728	0.030177
		719	588	521		
sILLGsDNEDEkLNk	D3ZN60	0.839871	0.745351	0.854507		
					0.81324351	0.031951
		651	781	088		
sRskSASK	B1H240	0.829389	0.666255	0.706689		
					0.73411133	0.032385
		447	380	154		

eGSPLkEEsLAREdsPLs	A0A0G2K774	0.761739	0.677040	0.833280		
sPSSQPGTPDEQLVLGk		644	517	006	0.75735339	0.032931
eVRDEDDAQsSDEc	Q91XQ4	0.741912	0.723524	0.858940		
		231	287	068	0.7747922	0.033677
sHsRsPATR	A0A0G2K2M9	0.576678	0.618808	0.787319		
		086	087	170	0.66093511	0.034185
eQEeQQEcQQESQQES	B0BMX3	0.761572	0.881766	0.817821		
QQESQQEQQGsS		529	220	158	0.82038664	0.035396
aNATTsPEGNk	D3ZPQ4	0.853060	0.707094	0.786205		
		780	351	854	0.78212033	0.035505
rGsAGGVGDR	M0RAT6	0.717288	0.575736	0.778214		
		316	863	475	0.69041322	0.035541
mSmsPk	G3V740	0.819091	0.632181	0.661972		
		458	912	572	0.70441531	0.036388
kAQVsPQS	B2RYB3	0.818102	0.663979	0.791464		
		380	118	708	0.75784874	0.036479
sGsSPSPR	G3V8P8	0.765530	0.818362	0.885766		
		355	622	701	0.82321989	0.036624
sRsHDR	G3V6Y9	0.756553	0.705732	0.537487		
		045	748	503	0.66659110	0.037234
kFQEQEePPsPEPTR	A0A0G2K508	0.828398	0.647373	0.737965		
		784	276	343	0.73791247	0.037532
sNTPR	G3V884	0.872500	0.791717	0.732870		
		804	392	210	0.79902947	0.038246
IGSLTPEIVSTPSsPEEE	P0C627	0.852946	0.689372	0.752637		
Dk		760	342	408	0.76498550	0.038693
kVAELEEeQsQGSSYS	P34926;Q63330	0.802821	0.740183	0.876328		
DWVvk		802	204	993	0.80644467	0.038922
dSEsPR	F1M840	0.834903	0.872264	0.746395	0.81785413	0.039513

		019	314	045		
fAsFIER	P19527	0.777431	0.810869	0.896777	0.82835960	0.04031
		351	941	501		
aAQQTkGsYMEVEDNR	A0A0H2UHZ1	0.760261	0.561062	0.749631	0.69031832	0.040985
		052	713	191		
sPATVksPGEAk	P16884;F1LRZ7	0.832381	0.738117	0.869399	0.81329974	0.041132
		972	354	896		
mRENskLDEEIk	F1LQS0	0.863848	0.861928	0.753435	0.82640428	0.041454
		944	812	095		
vLRDssAENLDASQER	D3ZMR2	0.860773	0.872767	0.759686	0.83107575	0.042236
		401	723	134		
gGsPPR	A0A0G2K543	0.872744	0.746291	0.722113	0.78038305	0.042373
		425	176	558		
vEEEQEADEEDVsEEE	Q52KJ9	0.831398	0.732259	0.867168	0.81027572	0.042380
TENREGESk		355	902	906		
aLDISAsDDEMARPk	G3V9E4	0.888262	0.781277	0.744845	0.80479536	0.045331
		922	337	827		
scYNLTNPDSGRGssL	F1LUY5	0.893849	0.763318	0.773755	0.81030767	0.045445
LDR		165	505	344		
mSsPGGk	D4ADX8	0.903944	0.804417	0.780294	0.82955219	0.045923
		627	239	702		
sPMkEEAkPEk	P16884;F1LRZ7	0.734130	0.799165	0.883718	0.80567141	0.046242
		528	245	451		
kIAELEEEERsQGTSNS	F1LRL9	0.739225	0.645501	0.843986	0.74290454	0.046295
DWmk		912	532	165		
dksHsHtPSHR	A0A0G2K2M9	0.851832	0.705983	0.830690	0.79616884	0.046396
		103	663	745		
aRPAsTsPsPGAHGR	D3ZQH1	0.874316	0.818554	0.725575	0.80614871	0.046612
		763	241	132		

sYssssssPERDR	O35986	0.805015	0.585614	0.740673	0.71043438	0.047029
		182	307	650		
kAAVLsDsEDEDkASA	Q3SWT4	0.906702	0.783011	0.800248	0.82998770	0.048059
Ak		821	739	529		
rFsMEDLNk	O35832	0.817043	0.605790	0.574554	0.66579625	0.048207
		517	695	545		
sEGsPSQR	A0A0G2K7W4	0.900424	0.763669	0.807435	0.82384294	0.048604
		053	718	063		
eDAGsPSAR	F1LSB5	0.798948	0.881744	0.722971	0.80122139	0.049298
		321	478	368		

A 1.2-fold cutoff for hypophosphorylation and hyperphosphorylation events ($P < 0.05$) was used. The sequence is a description of the composition of peptide amino acids, in which lowercase letters are modified amino acids. The protein group accessions represent the protein number in the FASTA database. CIBP/Sham is the corrected ratio of intensity of the fragmented tag in a sample to the intensity of the fragmented tag in the control sample. Average CIBP/Sham represents the ratio of the average relative expression of protein in the CIBP group. P-values were obtained using a t-test. CIBP, cancer-induced bone pain.