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Supplementary Table 2. Known and novel phosphoproteins identified in LNCaP cells by urea (U) and sodium deoxycholate (NaDOC) containing trypsin digestion method

List of novel phosphoproteins that have not been previously reported in LNCaP

	prot_acc	prot_desc	prot_score	prot_mass	prot_matches	pep_query	pep_rank	pep_isbold	pep_exp_mz	pep_exp_mr	pep_exp_z	pep_calc_mr	pep_delta	pep_miss	pep_score	pep_homol	pep_ident	pep_expect	pep_res_before	pep_seq	pep_res_after	pep_var_mod	pep_var_mod_pos
NaDOC	IPI00012199	Gene_Symbol=CCDC86 Coiled-coil domain-containing protein 86	30	40325	2	623	1	1	879.0534	2634.1384	3	2634.1963	-0.0578	1	29.59	21	42	1.1	R	R.ALVEFESNPEETREPGSPPSVQR.A	A	Phospho (ST)	0.0000000000000000003000000.0
NaDOC	IPI00015195	Gene_Symbol=CSTF3 Cleavage stimulation factor 77 kDa subunit	50	83325	2	675	1	1	712.3175	2845.2411	4	2845.2556	-0.0145	1	49.77	23	43	0.011	K	K.RPNEDSDEDEEKGAVVPPVHDIYR.A	A	Phospho (ST)	0.000003000000000000000000.0
NaDOC	IPI00021954	Gene_Symbol=GBF1 Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1	36	208367	1	390	1	1	650.2778	1947.8115	3	1947.8	0.0115	0	35.99	18	42	0.22	R	R.GYTSDSEVYTDHGRPGK.I	I	Phospho (ST)	0.000300000000000000.0
NaDOC	IPI00299667	Gene_Symbol=VAMP4 Isoform 1 of Vesicle-associated membrane protein 4	72	16444	1	425	1	1	1033.4144	2064.8142	2	2064.8201	-0.0059	0	72.2	34	42	5.30E-05	R	R.NLLEDDSDEEEDFFLR.G	G	Phospho (ST)	0.0000003000000000.0
NaDOC	IPI00301021	Gene_Symbol=SSR1 Isoform 1 of Translocon-associated protein subunit alpha precursor	29	32215	1	758	1	1	1152.5244	3454.5513	3	3454.5534	-0.0022	1	28.67	22	42	1.3	K	K.VEMGTSSQNDVDMSWIPQETLNQINKSPR.R	R	Phospho (ST)	0.000000000000000000000000000300.0
NaDOC	IPI00306369	Gene_Symbol=NSUN2 tRNA	59	87214	1	720	1	1	1058.7637	3173.2692	3	3173.2435	0.0257	0	59.03	24	43	0.0013	R	R.AGEPNSPDAEEANSPDVTAGCDPAGVHPPR.-	-	2 Phospho (ST)	0.000003000000030000000000000000.0
NaDOC	IPI00386114	Gene_Symbol=SF1 Isoform 1 of Splicing factor 1	31	68514	2	691	1	0	976.0921	2925.2546	3	2925.247	0.0075	1	29.66	20	43	1.1	R	R.TGDLGIPPNPEDRSPSPEPIYNSEGK.R	R	2 Phospho (ST)	0.00000000000000303000000000.0
NaDOC	IPI00395887	Gene_Symbol=TXNDC1 Thioredoxin domain-containing protein 1 precursor	70	32170	1	593	1	1	840.0145	2517.0217	3	2516.9803	0.0414	1	70.38	28	42	8.80E-05	K	K.KVEEEQEADEEDVSEEEAESK.E	E	Phospho (ST)	0.000000000000030000000.0
NaDOC	IPI00397526	Gene_Symbol=MYH10 Isoform 1 of Myosin-10	31	229824	1	497	1	1	722.9852	2165.9339	3	2165.9365	-0.0026	0	30.86	20	42	0.74	R	R.QLHLEGASLELSDDDTESK.T	T	Phospho (ST)	0.0000000000030000000.0
NaDOC	IPI00477468	Gene_Symbol=CTR9 RNA polymerase-associated protein CTR9 homolog	55	134332	2	543	1	1	1154.4808	2306.9471	2	2306.9104	0.0367	0	30.64	19	42	0.83	K	K.GGEFDEFVNDDTDDDLPISK.K	K	Phospho (ST)	0.00000000000300000000.0
NaDOC	IPI00477468	Gene_Symbol=CTR9 RNA polymerase-associated protein CTR9 homolog	55	134332	2	573	1	1	812.6819	2435.0238	3	2435.0054	0.0184	1	44.5	22	42	0.034	K	K.KGGEFDEFVNDDTDDDLPISK.K	K	Phospho (ST)	0.000000000000300000000.0
NaDOC	IPI00657704	Gene_Symbol=TP53BP1 112 kDa protein	37	112679	1	351	1	0	906.4206	1810.8266	2	1810.8139	0.0128	0	37.05	23	41	0.16	R	R.STPFIVPSSPTEQEGR.Q	Q	Phospho (ST)	0.0000000030000000.0
NaDOC	IPI00747331	Gene_Symbol=NFIX Nuclear factor 1	52	45038	1	563	1	0	1198.4918	2394.969	2	2394.9563	0.0127	0	51.63	20	42	0.0065	K	K.SIDDSEMESPVDDVFYPGTGR.S	S	Phospho (ST)	0.300000000000000000000.0
NaDOC	IPI00788076	Gene_Symbol=ASMTL similar to N-acetylserotonin O-methyltransferase-like protein	62	42990	1	670	1	1	940.7469	2819.2188	3	2819.1923	0.0265	0	62.35	28	43	0.00058	K	K.HDPIPAADTFEDISDVEGGGSEPTQR.D	D	Phospho (ST)	0.00000000000003000000000000.0
NaDOC	IPI00843930	Gene_Symbol=ABCC1 ATP-binding cassette, sub-family C, member 1 isoform 5	54	165510	1	260	1	0	777.3302	1552.6459	2	1552.6406	0.0053	0	53.97	28	41	0.003	R	R.QLSSSSSYSGDISR.H	H	Phospho (ST)	0.00300000000000.0
NaDOC, U	IPI00002349	Gene_Symbol=NUFIP2 Nuclear fragile X mental retardation-interacting protein 2	46	76132	1	176	1	1	638.756	1275.4974	2	1275.4921	0.0053	0	45.79	34	41	0.017	R	R.NDSWGSFDLR.A	A	Phospho (ST)	0.0030000000.0
NaDOC, U	IPI00006865	Gene_Symbol=SEC22B Vesicle-trafficking protein SEC22b	107	24896	1	304	1	1	833.8905	1665.7665	2	1665.7723	-0.0059	0	106.95	31	41	1.60E-08	R	R.NLGSINTELQDVQR.I	I	Phospho (ST)	0.00030000000000.0
NaDOC, U	IPI00008998	Gene_Symbol=PTPLAD1 Protein tyrosine phosphatase-like protein PTPLAD1	106	44466	2	270	1	1	795.3157	1588.6168	2	1588.6116	0.0052	0	50.14	18	41	0.0077	R	R.WLDESDAEMELR.A	A	Oxidation (M); Phospho (ST)	0.000030002000.0
NaDOC, U	IPI00008998	Gene_Symbol=PTPLAD1 Protein tyrosine phosphatase-like protein PTPLAD1	106	44466	2	266	1	1	787.3145	1572.6145	2	1572.6167	-0.0022	0	76.88	25	41	1.60E-05	R	R.WLDESDAEMELR.A	A	Phospho (ST)	0.000030000000.0
NaDOC, U	IPI00015602	Gene_Symbol=TOMM70A Mitochondrial precursor proteins import receptor	51	68096	2	577	1	1	817.3596	2449.0568	3	2449.0482	0.0087	0	47.16	18	42	0.019	R	R.ASPAPGSGHPEGPGAHLDMNSLDR.A	A	Phospho (ST)	0.030000000000000000000000.0
NaDOC, U	IPI00020060	Gene_Symbol=SLC9A1 Isoform 1 of Sodium/hydrogen exchanger 1	33	91218	1	632	1	1	887.3809	2659.1207	3	2659.1287	-0.0079	1	32.87	21	42	0.51	R	R.SKETSSPGTDDVFTPAPSDSPSSQR.I	I	Phospho (ST)	0.0000000000000000000300000.0
NaDOC, U	IPI00023023	Gene_Symbol=C20orf30 Chromosome 20 open reading frame 30	80	7987	1	308	1	1	841.3701	1680.7256	2	1680.7284	-0.0028	0	79.95	27	41	7.90E-06	R	R.LSSTDDGYIDLQFK.K	K	Phospho (ST)	0.00300000000000.0
NaDOC, U	IPI00029048	Gene_Symbol=TTLL12 Tubulin--tyrosine ligase-like protein 12	50	75154	1	638	1	0	895.7698	2684.2877	3	2684.2595	0.0281	0	50.34	23	42	0.0079	R	R.SSPGQTPEEGAQALAEFAALHGPALR.A	A	Phospho (ST)	0.00000300000000000000000000.0
NaDOC, U	IPI00030136	Gene_Symbol=NUMA1 NUMA1 protein	31	109896	1	410	1	0	1002.4694	2002.9243	2	2002.8997	0.0246	0	31.08	19	42	0.66	R	R.TQPDGTSVPGEPASPISQR.L	L	Phospho (ST)	0.0000000000000300000.0
NaDOC, U	IPI00217952	Gene_Symbol=GFPT1 Isoform 1 of Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] 1	48	79555	1	285	1	1	802.8582	1603.7018	2	1603.6841	0.0177	0	47.8	26	41	0.013	R	R.VDSTTCLFPVEEK.A	A	Phospho (ST)	0.0003000000000.0
NaDOC, U	IPI00240812	Gene_Symbol=PDS5B Isoform 1 of Sister chromatid cohesion protein PDS5 homolog B	35	165905	1	394	1	1	978.9374	1955.8603	2	1955.8361	0.0242	0	34.69	20	42	0.29	R	R.AESPESSAIESTQSTPQK.G	G	Phospho (ST)	0.003000000000000000.0
NaDOC, U	IPI00292387	Gene_Symbol=NOLC1 Isoform Alpha of Nucleolar phosphoprotein p130	34	73560	1	326	1	1	873.9045	1745.7944	2	1745.7873	0.0071	1	33.58	17	42	0.36	R	R.GGSISVQVNSIKFTSE.-	-	Phospho (ST)	0.0000000000000030.0
NaDOC, U	IPI00306825	Gene_Symbol=TPD52L2 Isoform 1 of Tumor protein D54	50	22281	1	208	1	0	691.2983	1380.582	2	1380.5711	0.0109	1	50.2	25	41	0.0062	R	R.NSATFKSFEDR.V	V	Phospho (ST)	0.00000030000.0
NaDOC, U	IPI00328753	Gene_Symbol=KTN1 Isoform 1 of Kinectin	95	156464	3	405	1	1	664.6175	1990.8306	3	1990.8269	0.0037	0	46.71	29	42	0.019	K	K.EIQNGNLHESDSESVPR.D	D	Deamidated (NQ); Phospho (ST)	0.00010000030000000.0
NaDOC, U	IPI00329791	Gene_Symbol=DDX46 cDNA FLJ78679, highly similar to Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 46 (DDX46), mRNA	31	117912	1	709	1	1	1036.1118	3105.3137	3	3105.3009	0.0128	0	31.38	19	43	0.76	K	K.AALGLQDSDDEDAAVDIDEQIESMFNSK.K	K	Phospho (ST)	0.0000000300000000000000000000.0
NaDOC, U	IPI00383807	Gene_Symbol=SLC4A4 Electrogenic Na+ bicarbonate cotransporter (Fragment)	26	75865	1	562	1	0	798.0363	2391.0872	3	2391.0607	0.0265	1	26.5	18	42	2.1	R	R.NLTSSSLNDISDKPEKDQLK.N	N	2 Phospho (ST)	0.00033000000000000000.0
NaDOC, U	IPI00402231	Gene_Symbol=DNAJC5 Isoform 1 of DnaJ homolog subfamily C member 5	67	22933	1	371	1	0	943.4568	1884.8991	2	1884.887	0.0121	0	67.26	32	42	0.00016	R	R.SLSTSGESLYHVLGLDK.N	N	Phospho (ST)	0.00030000000000000.0
NaDOC, U	IPI00410079	Gene_Symbol=FAM82C Isoform 1 of Protein FAM82C	63	52542	2	417	1	1	1023.4546	2044.8947	2	2044.8739	0.0208	0	65.24	28	42	0.00026	R	R.SQSLPNSLDYTQTSDPGR.H	H	Phospho (ST)	0.003000000000000000.0
NaDOC, U	IPI00465457	Gene_Symbol=CCNY Isoform 1 of Cyclin-Y	31	39825	1	164	1	0	612.7913	1223.568	2	1223.5547	0.0133	0	31.18	28	40	0.46	R	R.SASADNLTLPR.W	W	Phospho (ST)	0.30000000000.0
NaDOC, U	IPI00479786	Gene_Symbol=KHSRP Isoform 1 of Far upstream element-binding protein 2	36	73443	1	229	1	1	717.8335	1433.6525	2	1433.6552	-0.0027	0	36.29	23	41	0.17	K	K.VQISPDSGGLPER.S	S	Phospho (ST)	0.0003000000000.0
NaDOC, U	IPI00639842	Gene_Symbol=KRI1 68 kDa protein	68	68260	1	546	1	0	1160.4989	2318.9832	2	2318.9427	0.0404	0	67.6	25	42	0.00016	R	R.AFVEDSEDEDGAGEGGSSLLQK.R	R	Phospho (ST)	0.0000030000000000000000.0
NaDOC, U	IPI00719821	Gene_Symbol=SAPS3 Isoform 1 of SAPS domain family member 3	74	98577	1	511	1	0	1110.4376	2218.8607	2	2218.858	0.0028	0	74.23	33	42	3.40E-05	R	R.IQQFDDGGSDEEDIWEEK.H	H	Phospho (ST)	0.000000003000000000.0
NaDOC, U	IPI00746059	Gene_Symbol=HUWE1 HECT, UBA and WWE domain containing 1	75	376696	2	267	1	1	789.3115	1576.6085	2	1576.6042	0.0043	0	75.01	33	41	2.30E-05	R	R.GSGTASDDEFENLR.I	I	Phospho (ST)	0.00000300000000.0
NaDOC, U	IPI00783698	Gene_Symbol=TMEM87A Isoform 1 of Transmembrane protein 87A precursor	63	63788	1	677	1	0	950.7911	2849.3516	3	2849.3008	0.0508	0	63.28	36	42	0.00042	K	K.WVEENVPSSVTDVALPALLSDEER.M	M	Phospho (ST)	0.000000000000000000030000.0
NaDOC, U	IPI00830089	Gene_Symbol=- Thymopoietin zeta isoform	191	46335	5	627	1	0	884.0593	2649.1562	3	2649.1708	-0.0146	1	57.14	18	42	0.0019	K	K.GPPDFSSDEEREPTPVLGSGAAAAGR.S	S	Phospho (ST)	0.00000300000000000000000000.0
NaDOC, U	IPI00830089	Gene_Symbol=- Thymopoietin zeta isoform	191	46335	5	647	1	0	910.729	2729.1651	3	2729.1371	0.028	1	46.34	20	43	0.024	K	K.GPPDFSSDEEREPTPVLGSGAAAAGR.S	S	2 Phospho (ST)	0.00000330000000000000000000.0
NaDOC, U	IPI00830089	Gene_Symbol=- Thymopoietin zeta isoform	191	46335	5	648	1	0	910.7357	2729.1853	3	2729.1371	0.0482	1	56.62	20	43	0.0022	K	K.GPPDFSSDEEREPTPVLGSGAAAAGR.S	S	2 Phospho (ST)	0.00000300000003000000000000.0
NaDOC, U	IPI00830089	Gene_Symbol=- Thymopoietin zeta isoform	191	27428	5	628	1	1	884.0656	2649.175	3	2649.1708	0.0042	1	41.56	15	42	0.069	K	K.GPPDFSSDEEREPTPVLGSGAAAAGR.S	S	Phospho (ST)	0.00000000000003000000000000.0
NaDOC, U	IPI00830089	Gene_Symbol=- Thymopoietin zeta isoform	191	46335	5	319	1	0	864.4141	1726.8136	2	1726.7775	0.0361	0	68.25	26	42	0.00012	R	R.SSTPLPTISSSAENTR.Q	Q	Phospho (ST)	0.0030000000000000.0
NaDOC, U	IPI00855787	Gene_Symbol=TNKS1BP1 tankyrase 1-binding protein 1	58	182711	1	271	1	0	795.3229	1588.6312	2	1588.6195	0.0117	0	57.86	26	42	0.0013	R	R.SQEADVQDWEFR.K	K	Phospho (ST)	0.300000000000.0
U	IPI00010586	Gene_Symbol=TMF1 TATA element modulatory factor	56	123666	2	249	1	0	780.3248	1558.635	2	1558.64	-0.005	0	56.4	23	41	0.0018	R	R.SVSEINSDDELSGK.G	G	Phospho (ST)	0.00000030000000.0
U	IPI00029159	Gene_Symbol=MRE11A Isoform 1 of Double-strand break repair protein MRE11A	71	80885	1	572	1	1	932.0057	2792.9954	3	2793.015	-0.0197	1	71.22	22	42	6.10E-05	K	K.GVDFESSEDDDDDPFMNTSSLRR.N	N	2 Phospho (ST)	0.00000330000000000000000.0
U	IPI00031651	Gene_Symbol=C7orf50 Uncharacterized protein C7orf50	28	22127	1	257	1	1	795.8367	1589.6588	2	1589.661	-0.0022	0	28.04	25	41	1.2	R	R.ELDEEGSDPPLPGR.A	A	Phospho (ST)	0.00000030000000.0
U	IPI00061087	Gene_Symbol=FAM122A Protein FAM122A	28	30795	1	323	1	1	906.9294	1811.8442	2	1811.8372	0.007	1	27.94	26	42	1.3	K	K.RIDFIPVSPAPSPTR.G	G	2 Phospho (ST)	0.000000030003000.0
U	IPI00182757	Gene_Symbol=KIAA1967 Isoform 1 of Protein KIAA1967	44	103465	1	613	1	1	1061.7446	3182.2121	3	3182.2263	-0.0142	1	44.42	29	42	0.034	K	K.LEDSEVRSVASNQSEMEFSSLQDMPK.E	E	3 Phospho (ST)	0.00000000300300030000000000000.0
U	IPI00183526	Gene_Symbol=NCL NCL protein	39	50977	2	223	1	1	737.8689	1473.7233	2	1473.7089	0.0144	1	39.04	25	41	0.088	R	R.LELQGPRGSPNAR.S	S	Phospho (ST)	0.0000000030000.0
U	IPI00215888	Gene_Symbol=SRP72 Signal recognition particle 72 kDa protein	37	75130	1	580	1	1	965.8114	2894.4123	3	2894.3576	0.0547	0	36.54	19	42	0.19	K	K.TVSSPPTSPRPGSAATVSASTSNIIPPR.H	H	2 Phospho (ST)	0.00030030000000000000000000000.0
U	IPI00220402	Gene_Symbol=PPP1R2 Protein phosphatase inhibitor 2	97	23058	2	479	1	0	1162.4014	2322.7882	2	2322.8414	-0.0532	0	94.26		41	2.80E-07	R	R.IQEQESSGEEDSDLSPEER.E	E	2 Phospho (ST)	0.0000033000000000000.0
U	IPI00220402	Gene_Symbol=PPP1R2 Protein phosphatase inhibitor 2	97	23058	2	521	1	0	860.9994	2579.9764	3	2579.9789	-0.0025	1	37.08	27	42	0.17	R	R.IQEQESSGEEDSDLSPEEREK.K	K	2 Phospho (ST)	0.000003300000000000000.0
U	IPI00289601	Gene_Symbol=HDAC2 histone deacetylase 2	53	66294	1	475	1	1	773.2621	2316.7644	3	2316.7879	-0.0235	1	52.76	19	41	0.0036	R	R.IACDEEFSDSEDEGEGGRR.N	N	2 Phospho (ST)	0.0000000303000000000.0
U	IPI00328753	Gene_Symbol=KTN1 Isoform 1 of Kinectin	37	156464	2	368	1	1	664.275	1989.8032	3	1989.8429	-0.0397	0	34.84	22	42	0.28	K	K.EIQNGNLHESDSESVPR.D	D	Phospho (ST)	0.00000000030000000.0
U	IPI00375358	Gene_Symbol=RFC1 Isoform 1 of Replication factor C subunit 1	35	128688	1	378	1	1	1008.4237	2014.8328	2	2014.8061	0.0267	0	34.53	18	42	0.31	R	R.IIYDSDSESEETLQVK.N	N	2 Phospho (ST)	0.0000303000000000.0
U	IPI00472044	Gene_Symbol=GARNL1 Isoform 1 of GTPase-activating Rap/Ran-GAP domain-like 1	28	233418	1	308	1	0	874.3915	1746.7685	2	1746.7713	-0.0028	0	27.53	26	42	1.4	R	R.SSSTSDILEPFTVER.A	A	Phospho (ST)	0.000300000000000.0
U	IPI00552073	Gene_Symbol=DHX16 Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX16	88	119874	1	336	1	0	935.3467	1868.6789	2	1868.6965	-0.0177	0	88.24	27	41	1.20E-06	R	R.LLEDSEESSEETVSR.A	A	2 Phospho (ST)	0.000030030000000.0
U	IPI00640924	Gene_Symbol=NEDD4L Isoform 1 of E3 ubiquitin-protein ligase NEDD4-like protein	48	112204	1	305	1	0	869.4402	1736.8659	2	1736.8597	0.0061	0	48.06	24	41	0.012	R	R.SLSSPTVTLSAPLEGAK.D	D	Phospho (ST)	0.00030000000000000.0
U	IPI00641915	Gene_Symbol=- 14 kDa protein	73	14355	2	612	1	1	1060.4738	3178.3994	3	3178.2614	0.138	0	64.07	30	42	0.00038	R	R.YGLLANTEDPTEMASLDSDEETVFESR.N	N	2 Phospho (ST)	0.000000000000003003000000000.0
U	IPI00641915	Gene_Symbol=- 14 kDa protein	73	14355	2	615	1	1	1065.7823	3194.3251	3	3194.2563	0.0688	0	35.56	23	43	0.28	R	R.YGLLANTEDPTEMASLDSDEETVFESR.N	N	Oxidation (M); 2 Phospho (ST)	0.000000000000203003000000000.0
U	IPI00790263	Gene_Symbol=NMD3 13 kDa protein	57	12924	1	353	1	1	967.3617	1932.7089	2	1932.7027	0.0062	0	56.78	29	42	0.0017	R	R.DSAIPVESDTDDEGAPR.I	I	2 Phospho (ST)	0.00000003030000000.0
U	IPI00797574	Gene_Symbol=FAM44A Protein FAM44A	71	332433	1	341	1	1	940.354	1878.6935	2	1878.6598	0.0337	0	71.45	33	42	5.80E-05	K	K.YYSDSDDELTVEQR.R	R	2 Phospho (ST)	0.00303000000000.0
U	IPI00830089	Gene_Symbol=- Thymopoietin zeta isoform	173	46335	5	574	1	0	937.3711	2809.0914	3	2809.1034	-0.012	1	46.45	18	42	0.022	K	K.GPPDFSSDEEREPTPVLGSGAAAAGR.S	S	3 Phospho (ST)	0.0000033000000003000000000000.0
U	IPI00855787	Gene_Symbol=TNKS1BP1 tankyrase 1-binding protein 1	102	182711	3	332	1	0	923.8592	1845.7039	2	1845.7071	-0.0032	0	71.27	36	42	6.10E-05	R	R.VPSSDEEVVEEPQSR.R	R	2 Phospho (ST)	0.003300000000000.0
U	IPI00883925	Gene_Symbol=- SRp25 nuclear protein	36	36998	1	319	1	0	892.3658	1782.7171	2	1782.7197	-0.0026	0	35.58	21	42	0.23	R	R.SAGEEEDGPVLTDEQK.S	S	Phospho (ST)	0.3000000000000000.0

List of known phosphoproteins that have been previously reported in LNCaP

NaDOC	IPI00006079	Gene_Symbol=BCLAF1 Isoform 1 of Bcl-2-associated transcription factor 1	102	106173	4	369	1	1	627.2622	1878.7647	3	1878.7815	-0.0168	0	31.64	25	42	0.57	R	R.YSPSQNSPIHHIPSR.R	R	2 Phospho (ST)	0.030000300000000.0
NaDOC	IPI00008868	Gene_Symbol=MAP1B Microtubule-associated protein 1B	162	271651	9	688	1	1	968.4049	2902.1929	3	2902.1674	0.0255	0	47.97	28	43	0.016	R	R.SEQSSMSIEFGQESPEQSLAMDFSR.Q	Q	Oxidation (M); Phospho (ST)	0.0000020000000300000000000.0
NaDOC	IPI00008868	Gene_Symbol=MAP1B Microtubule-associated protein 1B	162	271651	9	242	1	1	751.8686	1501.7227	2	1501.7065	0.0162	0	40.95	28	41	0.057	K	K.SPSLSPSPPSPLEK.T	T	Phospho (ST)	0.000000000030000.0
NaDOC	IPI00008868	Gene_Symbol=MAP1B Microtubule-associated protein 1B	162	271651	9	211	1	1	697.8625	1393.7105	2	1393.6854	0.0251	1	43.69	39	41	0.028	K	K.VQSLEGEKISPK.S	S	Phospho (ST)	0.000000000300.0
NaDOC	IPI00008868	Gene_Symbol=MAP1B Microtubule-associated protein 1B	162	271651	9	731	1	1	1073.7501	3218.2286	3	3218.2612	-0.0327	1	39.4	17	42	0.11	K	K.QGVDDIEKFEDEGAGFEESSITGDYEEK.A	A	Phospho (ST)	0.00000000000000000000003000000.0
NaDOC	IPI00009032	Gene_Symbol=SSB Lupus La protein	95	46979	4	567	1	1	602.4963	2405.9561	4	2405.9397	0.0163	1	54.19	20	42	0.0036	K	K.FASDDEHDEHDENGATGPVKR.A	A	Deamidated (NQ); Phospho (ST)	0.003000000000100000000.0
NaDOC	IPI00012340	Gene_Symbol=SFRS9 Splicing factor, arginine/serine-rich 9	29	25640	1	291	1	1	807.8038	1613.5931	2	1613.6105	-0.0174	0	28.99	16	41	0.96	R	R.GSPHYFSPFRPY.-	-	2 Phospho (ST)	0.030000300000.0
NaDOC	IPI00013174	Gene_Symbol=RBM14 Isoform 1 of RNA-binding protein 14	37	69620	1	127	1	0	563.7629	1125.5113	2	1125.5009	0.0105	0	36.96	23	40	0.11	R	R.QPTPPFFGR.D	D	Phospho (ST)	0.003000000.0
NaDOC	IPI00017292	Gene_Symbol=CTNNB1 Isoform 1 of Catenin beta-1	175	86069	2	314	1	1	860.8899	1719.7652	2	1719.7288	0.0364	0	129	40	41	9.90E-11	R	R.TSMGGTQQQFVEGVR.M	M	Oxidation (M); Phospho (ST)	0.032000000000000.0
NaDOC	IPI00017292	Gene_Symbol=CTNNB1 Isoform 1 of Catenin beta-1	175	86069	2	310	1	1	852.8887	1703.7629	2	1703.7339	0.0291	0	80.26	28	42	7.60E-06	R	R.TSMGGTQQQFVEGVR.M	M	Phospho (ST)	0.300000000000000.0
NaDOC	IPI00023048	Gene_Symbol=EEF1D Elongation factor 1-delta	79	31217	1	775	1	1	915.1441	3656.5473	4	3656.5163	0.031	1	79.47	22	43	1.20E-05	K	K.KPATPAEDDEDDDIDLFGSDNEEEDKEAAQLR.E	E	Phospho (ST)	0.00000000000000000030000000000000.0
NaDOC	IPI00024971	Gene_Symbol=OSBP Oxysterol-binding protein 1	156	90220	4	738	1	1	1097.7652	3290.2739	3	3290.2945	-0.0205	0	30.45	17	42	0.85	K	K.GDMSDEDDENEFFDAPEIITMPENLGHK.R	R	Oxidation (M); Phospho (ST)	0.0023000000000000000000000000.0
NaDOC	IPI00024971	Gene_Symbol=OSBP Oxysterol-binding protein 1	156	90220	4	737	1	1	1092.4468	3274.3185	3	3274.2995	0.019	0	25.81	19	43	2.6	K	K.GDMSDEDDENEFFDAPEIITMPENLGHK.R	R	Phospho (ST)	0.0003000000000000000000000000.0
NaDOC	IPI00025156	Gene_Symbol=STUB1 Isoform 1 of STIP1 homology and U box-containing protein 1	29	35290	1	348	1	1	896.9239	1791.8333	2	1791.8404	-0.007	1	28.86	24	42	1.1	R	R.LGAGGGSPEKSPSAQELK.E	E	Phospho (ST)	0.000000300000000000.0
NaDOC	IPI00031812	Gene_Symbol=YBX1 Nuclease-sensitive element-binding protein 1	74	35903	2	741	1	1	1113.1354	3336.3844	3	3336.3552	0.0292	1	43.07	20	43	0.051	R	R.NYQQNYQNSESGEKNEGSESAPEGQAQQR.R	R	Phospho (ST)	0.00000000003000000000000000000.0
NaDOC	IPI00249982	Gene_Symbol=DIDO1 Isoform 1 of Death-inducer obliterator 1	27	130526	1	667	1	1	939.3735	2815.0987	3	2815.111	-0.0123	0	27.16	16	42	1.9	R	R.QEAIPDLEISPPVSDSEEQQESAR.A	A	2 Phospho (ST)	0.000000000300000300000000.0
NaDOC	IPI00395337	Gene_Symbol=FIP1L1 Isoform 1 of Pre-mRNA 3~-end-processing factor FIP1	39	66601	1	507	1	0	732.6185	2194.8337	3	2194.8358	-0.0021	1	38.77	18	42	0.12	R	R.DHSPTPSVFNSDEERYR.Y	Y	2 Phospho (ST)	0.00300000003000000.0
NaDOC	IPI00472779	Gene_Symbol=ANK3 Ankyrin-3	30	482387	2	542	1	0	1152.4891	2302.9636	2	2302.9157	0.048	0	30.29	21	42	0.9	K	K.MNVPETMNEVLDMSDDEVR.K	K	Phospho (ST)	0.0000000000000300000.0
NaDOC	IPI00549248	Gene_Symbol=NPM1 Isoform 1 of Nucleophosmin	87	32726	3	794	1	0	1040.4911	4157.9351	4	4157.8624	0.0727	1	50.21	19	42	0.0077	K	K.CGSGPVHISGQHLVAVEEDAISEDEEEEDVKLLSISGK.R	R	Phospho (ST)	0.00000000000000000000003000000000000000.0
NaDOC	IPI00552897	Gene_Symbol=MDC1 Isoform 1 of Mediator of DNA damage checkpoint protein 1	59	227669	1	428	1	0	1037.4489	2072.8833	2	2072.9191	-0.0358	0	58.55	25	42	0.0012	R	R.LLLAEISEEEVDFLSER.R	R	Phospho (ST)	0.000000300000000000.0
NaDOC	IPI00555833	Gene_Symbol=MYEF2 Isoform 1 of Myelin expression factor 2	45	64367	1	575	1	0	816.0515	2445.1325	3	2445.0962	0.0364	0	44.81	21	42	0.03	K	K.AEVPGATGGISPHLQPAEPPGEPR.R	R	Phospho (ST)	0.0000000000300000000000000.0
NaDOC	IPI00645384	Gene_Symbol=FUSIP1 FUS interacting protein (Serine/arginine-rich) 1	31	20957	1	207	1	0	684.2521	1366.4896	2	1366.4744	0.0151	1	31.14	25	41	0.51	R	R.SRSFDYNYR.R	R	2 Phospho (ST)	0.303000000.0
NaDOC	IPI00782992	Gene_Symbol=SRRM2 Isoform 1 of Serine/arginine repetitive matrix protein 2	117	300179	8	682	1	0	957.7724	2870.2953	3	2870.272	0.0234	1	35.7	26	42	0.26	R	R.RGEGDAPFSEPGTTSTQRPSSPETATK.Q	Q	Phospho (ST)	0.0000000000000000000003000000.0
NaDOC	IPI00782992	Gene_Symbol=SRRM2 Isoform 1 of Serine/arginine repetitive matrix protein 2	117	300179	8	550	1	0	780.3414	2338.0025	3	2338.0032	-0.0007	1	61.06	19	42	0.00076	K	K.ELSNSPLRENSFGSPLEFR.N	N	2 Phospho (ST)	0.0000300000000300000.0
NaDOC	IPI00782992	Gene_Symbol=SRRM2 Isoform 1 of Serine/arginine repetitive matrix protein 2	117	300179	8	703	1	0	1004.7837	3011.3292	3	3011.3427	-0.0135	0	35.6	27	43	0.28	R	R.HGGSPQPLATTPLSQEPVNPPSEASITR.D	D	2 Phospho (ST)	0.0003000000000000000000000030.0
NaDOC	IPI00782992	Gene_Symbol=SRRM2 Isoform 1 of Serine/arginine repetitive matrix protein 2	117	300179	8	522	1	0	748.6853	2243.0342	3	2242.9733	0.0609	1	48.07	22	42	0.014	R	R.QGSITSPQANEQSVTPQRR.S	S	2 Phospho (ST)	0.0000030000000030000.0
NaDOC	IPI00784614	Gene_Symbol=SEPT9 Isoform 1 of Septin-9	36	65646	1	373	1	1	949.3991	1896.7837	2	1896.8142	-0.0306	0	35.77	18	42	0.22	R	R.SFEVEEVETPNSTPPR.R	R	Phospho (ST)	0.3000000000000000.0
NaDOC	IPI00845519	Gene_Symbol=CTNND1 Isoform 1 of Catenin delta-1	58	102388	2	146	1	0	589.744	1177.4734	2	1177.4781	-0.0047	0	44.25	27	40	0.023	R	R.GSLASLDSLR.K	K	2 Phospho (ST)	0.0300300000.0
NaDOC	IPI00845519	Gene_Symbol=CTNND1 Isoform 1 of Catenin delta-1	58	102388	2	186	1	0	653.7935	1305.5724	2	1305.5731	-0.0007	1	40.86	28	41	0.052	R	R.GSLASLDSLRK.G	G	2 Phospho (ST)	0.03003000000.0
NaDOC, U	IPI00003394	Gene_Symbol=LOC100133836;SMN2;SMN1;LOC100133835 Isoform SMN of Survival motor neuron protein	38	32285	1	435	1	1	1048.9251	2095.8355	2	2095.8024	0.0331	0	37.74	20	42	0.15	R	R.GTGQSDDSDIWDDTALIK.A	A	2 Phospho (ST)	0.000030030000000000.0
NaDOC, U	IPI00003419	Gene_Symbol=C11orf58 Small acidic protein	97	20377	2	635	1	1	891.0416	2670.1028	3	2670.0831	0.0198	1	59.63	23	43	0.0011	K	K.RSASPDDDLGSSNWEAADLGNEER.K	K	Phospho (ST)	0.000300000000000000000000.0
NaDOC, U	IPI00003419	Gene_Symbol=C11orf58 Small acidic protein	97	20377	2	591	1	1	839.0113	2514.0122	3	2513.982	0.0302	0	62.51	28	42	0.00053	R	R.SASPDDDLGSSNWEAADLGNEER.K	K	Phospho (ST)	0.00300000000000000000000.0
NaDOC, U	IPI00004795	Gene_Symbol=CLNS1A Methylosome subunit pICln	92	26370	1	748	1	1	1132.1305	3393.3698	3	3393.3457	0.0241	1	91.63	29	43	7.10E-07	K	K.FEEESKEPVADEEEEISDDDVEPITEFR.F	F	Phospho (ST)	0.0000000000000000300000000000.0
NaDOC, U	IPI00006079	Gene_Symbol=BCLAF1 Isoform 1 of Bcl-2-associated transcription factor 1	102	106173	4	409	1	1	1001.3622	2000.7099	2	2000.6797	0.0303	0	60.3	25	42	0.00077	K	K.FNDSEGDDTEETEDYR.Q	Q	Phospho (ST)	0.0003000000000000.0
NaDOC, U	IPI00006079	Gene_Symbol=BCLAF1 Isoform 1 of Bcl-2-associated transcription factor 1	102	106173	4	590	1	1	838.3357	2511.9854	3	2511.9955	-0.0101	1	46.83	18	42	0.02	R	R.AEGEWEDQEALDYFSDKESGK.Q	Q	Phospho (ST)	0.000000000000003000000.0
NaDOC, U	IPI00007764	Gene_Symbol=HN1 Isoform 1 of Hematological and neurological expressed 1 protein	60	16005	1	311	1	1	853.3721	1704.7296	2	1704.7356	-0.006	1	60.1	33	42	0.0008	R	R.RNSSEASSGDFLDLK.G	G	Phospho (ST)	0.003000000000000.0
NaDOC, U	IPI00008527	Gene_Symbol=RPLP1 60S acidic ribosomal protein P1	74	11621	7	442	1	1	1055.3589	2108.7033	2	2108.6847	0.0186	1	51.55	18	41	0.0049	K	K.KEESEESDDDMGFGLFD.-	-	2 Phospho (ST)	0.00030030000000000.0
NaDOC, U	IPI00008527	Gene_Symbol=RPLP1 60S acidic ribosomal protein P1	74	11621	7	458	1	1	1063.36	2124.7054	2	2124.6796	0.0258	1	29.37		41	0.8	K	K.KEESEESDDDMGFGLFD.-	-	Oxidation (M); 2 Phospho (ST)	0.00030030002000000.0
NaDOC, U	IPI00008868	Gene_Symbol=MAP1B Microtubule-associated protein 1B	162	271651	9	434	1	1	1047.4657	2092.9169	2	2092.8912	0.0257	0	55.59	27	42	0.0025	R	R.ASVSPMDEPVPDSESPIEK.V	V	Phospho (ST)	0.0003000000000000000.0
NaDOC, U	IPI00008868	Gene_Symbol=MAP1B Microtubule-associated protein 1B	162	271651	9	684	1	1	963.092	2886.2542	3	2886.1725	0.0817	0	73.79	32	43	4.20E-05	R	R.SEQSSMSIEFGQESPEQSLAMDFSR.Q	Q	Phospho (ST)	0.0000003000000000000000000.0
NaDOC, U	IPI00009032	Gene_Symbol=SSB Lupus La protein	95	46979	4	566	1	1	602.2347	2404.9096	4	2404.9557	-0.0461	1	56.07	25	42	0.0022	K	K.FASDDEHDEHDENGATGPVKR.A	A	Phospho (ST)	0.003000000000000000000.0
NaDOC, U	IPI00012442	Gene_Symbol=G3BP1 Ras GTPase-activating protein-binding protein 1	149	52189	2	397	1	1	982.9572	1963.8999	2	1963.8888	0.0112	0	103.68	37	42	3.60E-08	K	K.SSSPAPADIAQTVQEDLR.T	T	Phospho (ST)	0.003000000000000000.0
NaDOC, U	IPI00012442	Gene_Symbol=G3BP1 Ras GTPase-activating protein-binding protein 1	149	52189	2	739	1	1	1099.4584	3295.3534	3	3295.3242	0.0293	0	78.11	28	43	1.70E-05	R	R.YQDEVFGGFVTEPQEISEEEVEEPEER.Q	Q	Phospho (ST)	0.000000000000000030000000000.0
NaDOC, U	IPI00013452	Gene_Symbol=EPRS Bifunctional aminoacyl-tRNA synthetase	29	172137	1	463	1	1	1063.4767	2124.9388	2	2124.9365	0.0023	0	28.68	22	42	1.2	K	K.EYIPGQPPLSQSSDSSPTR.N	N	Phospho (ST)	0.0000000000000003000.0
NaDOC, U	IPI00013881	Gene_Symbol=HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	57	49484	2	336	1	1	882.8682	1763.7218	2	1763.7265	-0.0046	0	56.64	23	42	0.0017	K	K.HTGPNSPDTANDGFVR.L	L	Phospho (ST)	0.0000030000000000.0
NaDOC, U	IPI00015029	Gene_Symbol=PTGES3 Prostaglandin E synthase 3	132	18971	2	398	1	1	986.3188	1970.6231	2	1970.615	0.0082	0	65.56	28	40	0.00017	K	K.DWEDISDEDMSNFDR.F	F	Oxidation (M); Phospho (ST)	0.000003000200000.0
NaDOC, U	IPI00015029	Gene_Symbol=PTGES3 Prostaglandin E synthase 3	132	18971	2	393	1	1	978.3343	1954.654	2	1954.62	0.0339	0	96.21	32	41	1.70E-07	K	K.DWEDISDEDMSNFDR.F	F	Phospho (ST)	0.000003000000000.0
NaDOC, U	IPI00016250	Gene_Symbol=FXR2 Fragile X mental retardation syndrome-related protein 2	46	77424	1	537	1	1	766.3353	2295.984	3	2295.9774	0.0066	1	45.64	22	42	0.025	R	R.TDGSISGDRQPVTVADYISR.A	A	2 Phospho (ST)	0.00030300000000000000.0
NaDOC, U	IPI00020984	Gene_Symbol=CANX Calnexin precursor	36	67982	3	248	1	0	754.8425	1507.6705	2	1507.6667	0.0037	1	37.01	29	41	0.14	K	K.AEEDEILNFSPR.N	N	Phospho (ST)	0.000000000300.0
NaDOC, U	IPI00022145	Gene_Symbol=NUCKS1 Isoform 1 of Nuclear ubiquitous casein and cyclin-dependent kinases substrate	158	27280	3	545	1	1	1159.4394	2316.8641	2	2316.8696	-0.0054	0	74.96	28	42	2.80E-05	K	K.VVDYSQFQISDDADEDYGR.D	D	Phospho (ST)	0.0000000003000000000.0
NaDOC, U	IPI00022145	Gene_Symbol=NUCKS1 Isoform 1 of Nuclear ubiquitous casein and cyclin-dependent kinases substrate	158	27280	3	700	1	1	1000.7344	2999.1815	3	2999.1982	-0.0167	1	40.25	17	43	0.095	K	K.VVDYSQFQISDDADEDYGRDSGPPTK.K	K	Phospho (ST)	0.00000000030000000000000000.0
NaDOC, U	IPI00022145	Gene_Symbol=NUCKS1 Isoform 1 of Nuclear ubiquitous casein and cyclin-dependent kinases substrate	158	27280	3	574	1	1	816.0031	2444.9876	3	2444.9646	0.023	1	87.78	22	42	1.60E-06	R	R.KVVDYSQFQISDDADEDYGR.D	D	Phospho (ST)	0.00000000003000000000.0
NaDOC, U	IPI00024971	Gene_Symbol=OSBP Oxysterol-binding protein 1	156	90220	4	719	1	1	1058.0995	3171.2768	3	3171.284	-0.0072	1	87.87	24	43	1.70E-06	K	K.MLAFSDESGDEESVSQTDKTELQNTLR.T	T	2 Phospho (ST)	0.000030030000000000000000000.0
NaDOC, U	IPI00024971	Gene_Symbol=OSBP Oxysterol-binding protein 1	156	90220	4	722	1	1	1063.4472	3187.3197	3	3187.2789	0.0408	1	74.22	23	43	4.00E-05	K	K.MLAFSDESGDEESVSQTDKTELQNTLR.T	T	Oxidation (M); 2 Phospho (ST)	0.200030030000000000000000000.0
NaDOC, U	IPI00025512	Gene_Symbol=HSPB1 Heat shock protein beta-1	60	22826	1	140	1	1	578.2715	1154.5285	2	1154.5332	-0.0047	0	60.2	37	40	0.00056	R	R.QLSSGVSEIR.H	H	Phospho (ST)	0.0030000000.0
NaDOC, U	IPI00029400	Gene_Symbol=ZRANB2 Isoform 1 of Zinc finger Ran-binding domain-containing protein 2	88	37838	2	572	1	1	807.317	2418.929	3	2418.8959	0.0332	1	52.31	19	42	0.0055	K	K.EVEDKISEGEEEDEDEDLSK.Y	Y	Phospho (ST)	0.00000030000000000000.0
NaDOC, U	IPI00029400	Gene_Symbol=ZRANB2 Isoform 1 of Zinc finger Ran-binding domain-containing protein 2	88	37838	2	600	1	1	849.0128	2544.0165	3	2543.9965	0.02	1	56.08	22	42	0.0024	R	R.ENVEYIEREISDGEYDEFGR.K	K	Phospho (ST)	0.00000000003000000000.0
NaDOC, U	IPI00063234	Gene_Symbol=PRKAR2A PRKAR2A protein	83	43382	2	607	1	1	864.3512	2590.0318	3	2590.0166	0.0151	1	52.45	26	43	0.0057	R	R.RVSVCAETYNPDEEEEDTDPR.V	V	Phospho (ST)	0.003000000000000000000.0
NaDOC, U	IPI00063234	Gene_Symbol=PRKAR2A PRKAR2A protein	83	43382	2	622	1	1	878.353	2632.0373	3	2632.0466	-0.0094	1	56.85	27	42	0.002	R	R.VADAKGISESEEDEDLEVPVPSR.F	F	2 Phospho (ST)	0.00000003030000000000000.0
NaDOC, U	IPI00104050	Gene_Symbol=THRAP3 Thyroid hormone receptor-associated protein 3	38	108658	1	123	1	1	558.2508	1114.4871	2	1114.506	-0.0189	0	37.83	30	40	0.094	R	R.IDISPSTFR.K	K	Phospho (ST)	0.000300000.0
NaDOC, U	IPI00184330	Gene_Symbol=MCM2 DNA replication licensing factor MCM2	37	102516	1	399	1	1	987.4143	1972.814	2	1972.8051	0.0089	0	37.07	28	42	0.17	R	R.GLLYDSDEEDEERPAR.K	K	Phospho (ST)	0.0000030000000000.0
NaDOC, U	IPI00185919	Gene_Symbol=LARP1 Isoform 1 of La-related protein 1	40	123833	3	254	1	1	770.8604	1539.7062	2	1539.697	0.0091	0	38.38	28	41	0.11	R	R.SLPTTVPESPNYR.N	N	Phospho (ST)	0.0000000030000.0
NaDOC, U	IPI00215948	Gene_Symbol=CTNNA1 Isoform 1 of Catenin alpha-1	118	100693	3	520	1	1	1119.9503	2237.8861	2	2237.8526	0.0336	0	93.3	32	42	4.40E-07	R	R.TPEELDDSDFETEDFDVR.S	S	Phospho (ST)	0.000000030000000000.0
NaDOC, U	IPI00215948	Gene_Symbol=CTNNA1 Isoform 1 of Catenin alpha-1	118	100693	3	602	1	1	854.6689	2560.9848	3	2560.952	0.0328	1	51.11	21	42	0.0074	R	R.TPEELDDSDFETEDFDVRSR.T	T	2 Phospho (ST)	0.00000003000000000030.0
NaDOC, U	IPI00220739	Gene_Symbol=PGRMC1 Membrane-associated progesterone receptor component 1	135	21772	3	557	1	1	792.6604	2374.9593	3	2374.9325	0.0268	1	66.44	23	42	0.00021	K	K.EGEEPTVYSDEEEPKDESAR.K	K	Phospho (ST)	0.00000000300000000000.0
NaDOC, U	IPI00220739	Gene_Symbol=PGRMC1 Membrane-associated progesterone receptor component 1	135	21772	3	586	1	1	828.7194	2483.1364	3	2483.0966	0.0398	1	37.67	22	42	0.16	K	K.IVRGDQPAASGISDDDEPPPLPR.L	L	Phospho (ST)	0.00000000000030000000000.0
NaDOC, U	IPI00220739	Gene_Symbol=PGRMC1 Membrane-associated progesterone receptor component 1	135	21772	3	454	1	1	1058.4345	2114.8544	2	2114.843	0.0114	0	77.65	25	42	1.50E-05	R	R.GDQPAASGDSDDDEPPPLPR.L	L	Phospho (ST)	0.00000000030000000000.0
NaDOC, U	IPI00251559	Gene_Symbol=RNF20 E3 ubiquitin-protein ligase BRE1A	29	114534	1	396	1	1	981.4415	1960.8684	2	1960.8415	0.0269	0	28.87	20	42	1.1	K	K.ALVVPEPEPDSISNQER.K	K	Phospho (ST)	0.00000000000030000.0
NaDOC, U	IPI00289819	Gene_Symbol=IGF2R Cation-independent mannose-6-phosphate receptor precursor	47	281056	2	605	1	1	859.7319	2576.174	3	2576.1531	0.0209	0	51.56	26	42	0.0065	K	K.ALSSLHGDDQISEDEVLTIPEVK.V	V	Phospho (ST)	0.00000000000300000000000.0
NaDOC, U	IPI00291946	Gene_Symbol=USP10 Ubiquitin carboxyl-terminal hydrolase 10	80	87707	1	710	1	1	1036.4176	3106.2309	3	3106.2061	0.0248	0	80.02	31	43	1.00E-05	K	K.NHSVNEEEQEEQGEGSEDEWEQVGPR.N	N	Phospho (ST)	0.00000000000000030000000000.0
NaDOC, U	IPI00299254	Gene_Symbol=EIF5B Eukaryotic translation initiation factor 5B	57	139171	2	452	1	1	705.2958	2112.8656	3	2112.8637	0.0019	0	57.04	22	42	0.0018	K	K.NKPGPNIESGNEDDDASFK.I	I	Phospho (ST)	0.0000000030000000000.0
NaDOC, U	IPI00306301	Gene_Symbol=PDHA1 Mitochondrial PDHA1	52	48290	2	305	1	0	558.2271	1671.6596	3	1671.6501	0.0095	0	34.11	26	41	0.3	R	R.YHGHSMSDPGVSYR.T	T	Phospho (ST)	0.00003000000000.0
NaDOC, U	IPI00306301	Gene_Symbol=PDHA1 Mitochondrial PDHA1	52	48290	2	329	1	0	584.8717	1751.5933	3	1751.6164	-0.0231	0	46.21	31	41	0.017	R	R.YHGHSMSDPGVSYR.T	T	2 Phospho (ST)	0.00003000000300.0
NaDOC, U	IPI00382995	Gene_Symbol=NDRG2 Cytoplasmic protein Ndr1	95	40076	1	227	1	0	715.3308	1428.6471	2	1428.6246	0.0225	0	94.64	30	41	2.50E-07	R	R.TASLTSAASVDGNR.S	S	Phospho (ST)	0.00300000000000.0
NaDOC, U	IPI00396171	Gene_Symbol=MAP4 Isoform 1 of Microtubule-associated protein 4	60	121457	3	302	1	0	822.3751	1642.7356	2	1642.7525	-0.0169	1	37.72	28	41	0.13	K	K.DMESPTKLDVTLAK.D	D	Oxidation (M); Phospho (ST)	0.02030000000000.0
NaDOC, U	IPI00396171	Gene_Symbol=MAP4 Isoform 1 of Microtubule-associated protein 4	60	121457	3	296	1	0	814.3956	1626.7766	2	1626.7576	0.019	1	53.53	34	41	0.0033	K	K.DMESPTKLDVTLAK.D	D	Phospho (ST)	0.00030000000000.0
NaDOC, U	IPI00438229	Gene_Symbol=TRIM28 Isoform 1 of Transcription intermediary factor 1-beta	53	90261	1	231	1	1	722.8147	1443.6149	2	1443.6177	-0.0028	1	53.34	33	41	0.0032	R	R.SRSGEGEVSGLMR.K	K	Phospho (ST)	0.0030000000000.0
NaDOC, U	IPI00549248	Gene_Symbol=NPM1 Isoform 1 of Nucleophosmin	87	32726	3	759	1	0	1154.1654	3459.4744	3	3459.4297	0.0447	0	50.25	19	43	0.01	K	K.CGSGPVHISGQHLVAVEEDAISEDEEEEDVK.L	L	Phospho (ST)	0.0000000000000000000003000000000.0
NaDOC, U	IPI00647720	Gene_Symbol=SRRM1 Isoform 1 of Serine/arginine repetitive matrix protein 1	44	102331	2	228	1	0	717.3486	1432.6827	2	1432.685	-0.0023	1	43.77	22	41	0.03	K	K.EKTPELPEPSVK.V	V	Phospho (ST)	0.003000000000.0
NaDOC, U	IPI00871851	Gene_Symbol=SEPT2 Septin	66	42886	1	592	1	0	839.6943	2516.0609	3	2516.038	0.0229	1	65.68	30	42	0.00026	K	K.IYHLPDAESDEDEDFKEQTR.L	L	Phospho (ST)	0.00000000300000000000.0
U	IPI00003394	Gene_Symbol=LOC100133836;SMN2;SMN1;LOC100133835 Isoform SMN of Survival motor neuron protein	66	32285	2	463	1	1	1126.9649	2251.9152	2	2251.9035	0.0117	1	42.03	18	42	0.06	R	R.RGTGQSDDSDIWDDTALIK.A	A	2 Phospho (ST)	0.0000030030000000000.0
U	IPI00003419	Gene_Symbol=C11orf58 Small acidic protein	93	20377	3	542	1	1	881.7096	2642.107	3	2642.0769	0.0301	1	39.95	19	43	0.1	R	R.SASPDDDLGSSNWEAADLGNEERK.Q	Q	Phospho (ST)	0.003000000000000000000000.0
U	IPI00006079	Gene_Symbol=BCLAF1 Isoform 1 of Bcl-2-associated transcription factor 1	164	106173	4	496	1	1	811.6371	2431.8894	3	2431.9078	-0.0184	1	88.16	24	42	1.30E-06	K	K.FNDSEGDDTEETEDYRQFR.K	K	Phospho (ST)	0.0003000000000000000.0
U	IPI00013297	Gene_Symbol=PDAP1 28 kDa heat- and acid-stable phosphoprotein	114	20618	4	477	1	1	1160.4184	2318.8223	2	2318.7988	0.0234	1	45.01	29	42	0.026	K	K.KSLDSDESEDEEDDYQQK.R	R	2 Phospho (ST)	0.000030030000000000.0
U	IPI00013297	Gene_Symbol=PDAP1 28 kDa heat- and acid-stable phosphoprotein	114	20618	4	441	1	1	1096.3626	2190.7106	2	2190.7039	0.0067	0	47.04	20	41	0.013	K	K.SLDSDESEDEEDDYQQK.R	R	2 Phospho (ST)	0.00030030000000000.0
U	IPI00013297	Gene_Symbol=PDAP1 28 kDa heat- and acid-stable phosphoprotein	114	20618	4	482	1	1	783.2885	2346.8438	3	2346.805	0.0388	1	36.64	20	42	0.19	K	K.SLDSDESEDEEDDYQQKR.K	K	2 Phospho (ST)	0.000300300000000000.0
U	IPI00015029	Gene_Symbol=PTGES3 Prostaglandin E synthase 3	165	18971	4	638	1	1	1158.4818	3472.4237	3	3472.3503	0.0733	1	38.93	21	43	0.13	K	K.LNWLSVDFNNWKDWEDDSDEDMSNFDR.F	F	Deamidated (NQ); Phospho (ST)	0.000030000100000000000000000.0
U	IPI00015029	Gene_Symbol=PTGES3 Prostaglandin E synthase 3	165	18971	4	637	1	1	1158.143	3471.4071	3	3471.3663	0.0408	1	51.4	22	43	0.0074	K	K.LNWLSVDFNNWKDWEDISDEDMSNFDR.F	F	Phospho (ST)	0.000000000000000003000000000.0
U	IPI00016910	Gene_Symbol=EIF3C Eukaryotic translation initiation factor 3 subunit C	48	105962	2	310	1	1	876.8948	1751.775	2	1751.7978	-0.0229	1	57.09		41	0.0015	K	K.QPLLLSEDEEDTKR.V	V	Phospho (ST)	0.000003000000000.0
U	IPI00017292	Gene_Symbol=CTNNB1 Isoform 1 of Catenin beta-1	66	86069	1	335	1	1	620.9515	1859.8325	3	1859.835	-0.0024	1	66.32	41	42	0.0002	R	R.RTSMGGTQQQFVEGVR.M	M	Phospho (ST)	0.0030000000000000.0
U	IPI00019502	Gene_Symbol=MYH9 Myosin-9	30	227646	1	465	1	1	752.2943	2253.861	3	2253.891	-0.0301	1	29.8	19	42	0.97	K	K.GAGDGSDEEVDGKADGAEAKPAE.-	-	Phospho (ST)	0.00000300000000000000000.0
U	IPI00022790	Gene_Symbol=MFAP1 Microfibrillar-associated protein 1	60	51823	1	485	1	1	1181.4871	2360.9596	2	2360.9451	0.0145	0	60.49	24	42	0.00086	K	K.IVEPEVVGESDSEVEGDAWR.M	M	2 Phospho (ST)	0.00000000030300000000.0
U	IPI00031812	Gene_Symbol=YBX1 Nuclease-sensitive element-binding protein 1	74	42333	3	625	1	0	1113.4525	3337.3358	3	3337.3392	-0.0034	1	25.75	19	43	2.7	R	R.NYQQNYQNSESGEKNEGSESAPEGQAQQR.R	R	Deamidated (NQ); Phospho (ST)	0.00000000100300000000000000000.0
U	IPI00156793	Gene_Symbol=XPC DNA-repair protein complementing XP-C cells	85	106771	1	592	1	1	1016.7376	3047.1908	3	3047.1666	0.0242	0	84.92	42	43	3.30E-06	K	K.SEAAAPHTDAGGGISSDEEEGTSSQAEAAR.I	I	2 Phospho (ST)	0.000000000000000330000000000000.0
U	IPI00176706	Gene_Symbol=RBM17 Splicing factor 45	63	45162	1	398	1	1	701.6154	2101.8245	3	2101.7862	0.0384	1	63.39	26	42	0.0004	R	R.RPDPDSDEDEDYERER.R	R	Phospho (ST)	0.0000030000000000.0
U	IPI00215948	Gene_Symbol=CTNNA1 Isoform 1 of Catenin alpha-1	139	100693	3	452	1	1	1111.4828	2220.9511	2	2220.9413	0.0098	1	50.02	25	42	0.0095	R	R.SRTSVQTEDDQLIAGQSAR.A	A	2 Phospho (ST)	0.0003003000000000000.0
U	IPI00219368	Gene_Symbol=TLE3 Isoform 1 of Transducin-like enhancer protein 3	91	84162	1	329	1	0	922.3943	1842.774	2	1842.7884	-0.0144	0	91.25	29	42	6.20E-07	K	K.DAPTSPASVASSSSTPSSK.T	T	Phospho (ST)	0.0003000000000000000.0
U	IPI00306301	Gene_Symbol=PDHA1 Mitochondrial PDHA1	49	48290	5	286	1	0	563.5512	1687.6317	3	1687.645	-0.0133	0	26.79	25	42	1.7	R	R.YHGHSMSDPGVSYR.T	T	Oxidation (M); Phospho (ST)	0.00003200000000.0
U	IPI00306301	Gene_Symbol=PDHA1 Mitochondrial PDHA1	49	48290	5	281	1	0	558.221	1671.641	3	1671.6501	-0.0091	0	28.44	28	41	1.1	R	R.YHGHSMSDPGVSYR.T	T	Phospho (ST)	0.00000030000000.0
U	IPI00329338	Gene_Symbol=PCYT1A Choline-phosphate cytidylyltransferase A	39	42047	1	280	1	1	836.8198	1671.625	2	1671.6301	-0.0051	1	39.15	17	41	0.094	R	R.HKAAAYDSEDEED.-	-	Phospho (ST)	0.00000000300000.0
U	IPI00647720	Gene_Symbol=SRRM1 Isoform 1 of Serine/arginine repetitive matrix protein 1	146	102331	3	355	1	0	972.9009	1943.7872	2	1943.7884	-0.0012	1	98.64	32	42	1.20E-07	K	K.KETESEAEDNLDDLEK.H	H	Phospho (ST)	0.0000300000000000.0
U	IPI00647720	Gene_Symbol=SRRM1 Isoform 1 of Serine/arginine repetitive matrix protein 1	146	102331	3	380	1	0	1012.8963	2023.7781	2	2023.7548	0.0233	1	78.09	31	42	1.40E-05	K	K.KETESEAEDNLDDLEK.H	H	2 Phospho (ST)	0.0030300000000000.0
U	IPI00792186	Gene_Symbol=ABCF1 ATP-binding cassette, sub-family F (GCN20), member 1	36	96451	1	480	1	0	778.6591	2332.9554	3	2332.963	-0.0076	1	36.43	27	42	0.22	K	K.KLSVPTSDEEDEVPAPKPR.G	G	3 Phospho (ST)	0.0030033000000000000.0
U	IPI00873776	Gene_Symbol=MORC2 MORC family CW-type zinc finger 2	81	111454	1	344	1	0	943.8779	1885.7413	2	1885.7466	-0.0053	0	80.89	35	42	6.90E-06	R	R.SVAVSDEEEVEEEAER.R	R	Phospho (ST)	0.0000300000000000.0