Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_002266.2	3866	24430190	KRT15	keratin, type I cytoskeletal 15 [Homo sapiens]	S34	0.31	0.17	GGSLLAGGGGFGGGsLSGGGGSR	1	1	26	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S15(100)]	S15(Phospho): 99.99	S(3): 0.0; S(15): 100.0; S(17): 0.0; S(22): 0.0	GGGFGGGsLSGGGGS	S15;	High	2131.013076	90.86	245.36	101.1	176.3	9	8	145.6	High	0.2123	10.69292259	High	0.0543	Yes
NP_001259004.1	9100	440918695	USP10	ubiquitin carboxyl-terminal hydrolase 10 isoform 1 [Homo sapiens]	S580	1.22	0.45	NHSVNEEEQEEQGEGsEDEWEQVGPR	1	2	2	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S16(100)]	S16(Phospho): 100	S(3): 0.0; S(16): 100.0	QEEQGEGsEDEWEQV	S16;	High	3336.376346					1	1	133.19	High	0.8195	9.390447617	High	0.4771	No
NP_065741.3	404734	37620163	ANKHD1-EIF4EBP3	ANKHD1-EIF4EBP3 protein [Homo sapiens]	S1591	0.93	1.26	GGGAGGNsDSDNLDSTDCNSESSSGGK	1	2	5	0	2ヲTMT6plex [N-Term; K27]; 1ヲCarbamidomethyl [C18]; 1ヲPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; S(10): 0.0; S(15): 0.0; T(16): 0.0; S(20): 0.0; S(22): 0.0; S(23): 0.0; S(24): 0.0	GGGAGGNsDSDNLDS	S8;	High	3070.258095	0.33	23.09	0.4	43.1	2	2	127.77	High	0.1797	6.416292667	High	0.0389	Yes
NP_919223.1	220988	34740329	HNRNPA3	heterogeneous nuclear ribonucleoprotein A3 [Homo sapiens]	S358	0.91	2.32	SSGsPYGGGYGSGGGSGGYGSR	1	1	11	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; S(2): 0.0; S(4): 100.0; Y(6): 0.0; Y(10): 0.0; S(12): 0.0; S(16): 0.0; Y(19): 0.0; S(21): 0.0	FGGRSSGsPYGGGYG	S4;	High	2219.919235	22.9	10.21	37.2	42.9	3	3	123.68	High	0.1532	5.134126663	High	0.0234	Yes
NP_001099032.1	10277	157739864	UBE4B	ubiquitin conjugation factor E4 B isoform 1 [Homo sapiens]	S88	1.17	0.2	SQSSEGVSSLSSsPSNSLETQSQSLSR	1	2	4	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S13(100)]	S13(Phospho): 99.97	S(1): 0.0; S(3): 0.0; S(4): 0.0; S(8): 0.0; S(9): 0.0; S(11): 0.0; S(12): 0.0; S(13): 100.0; S(15): 0.0; S(17): 0.0; T(20): 0.0; S(22): 0.0; S(24): 0.0; S(26): 0.0	GVSSLSSsPSNSLET	S13;	High	3065.410941					1	1	122.27	High	0.123	6.66195488	High	0.015	Yes
NP_001895.1	1499	4503131	CTNNB1	catenin beta-1 [Homo sapiens]	S552	0.85	1.61	RTsMGGTQQQFVEGVR	1	1	8	1	1ヲTMT6plex [N-Term]; 1ヲOxidation [M4(100)]; 1ヲPhospho [S3(98.2)]	S3(Phospho): 98.17; M4(Oxidation): 100	T(2): 1.8; S(3): 98.2; T(7): 0.0	QDTQRRTsMGGTQQQ	S3;	High	2106.000069	47.03	67.35	61.4	310.7	2	2	119.79	High	0.1583	5.987914562	High	0.0167	Yes
NP_079104.3	79886	262527223	CAAP1	caspase activity and apoptosis inhibitor 1 isoform 1 [Homo sapiens]	S203	0.46	16.08	ILEGDNGMDsDMEEEADDGSK	1	2	4	0	2ヲTMT6plex [N-Term; K21]; 1ヲOxidation [M8(100)]; 1ヲPhospho [S10(100)]	M8(Oxidation): 100; S10(Phospho): 100	S(10): 100.0; S(20): 0.0	EGDNGMDsDMEEEAD	S10;	High	2811.162587	64.91	3.52	44.2	94.9	2	2	119.45	High	0.3109	4.707590103	High	0.1274	Yes
NP_001278478.1	1026	614458211	CDKN1A	cyclin-dependent kinase inhibitor 1 isoform 2 [Homo sapiens]	S164	0.78	0.7	SGEQAEGsPGGPGDSQGR	1	2	6	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S8(100)]	S8(Phospho): 100	S(1): 0.0; S(8): 100.0; S(15): 0.0	SGEQAEGsPGGPGDS	S8;	High	1981.845008	18.94	112.09	25.9	230.9	3	3	114.57	High	0.6174	5.857017517	High	0.3464	No
NP_056377.1	26043	149944496	UBXN7	UBX domain-containing protein 7 [Homo sapiens]	S288	3.49	3.2	SESLIDASEDsQLEAAIR	1	1	10	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S11(100)]	S11(Phospho): 100	S(1): 0.0; S(3): 0.0; S(8): 0.0; S(11): 100.0	LIDASEDsQLEAAIR	S11;	High	2243.064168	6.4	16.32	47	112.4	4	3	113.04	High	0.3894	6.382121086	High	0.2022	Yes
NP_001287955.1	7082	666335594	TJP1	tight junction protein ZO-1 isoform d [Homo sapiens]	S1541	1.39	0.98	AIPVsPSAVEEDEDEDGHTVVATAR	1	4	5	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(7): 0.0; T(19): 0.0; T(23): 0.0	VPKAIPVsPSAVEED	S5;	High	2903.350907	12.95	6.49	25.9	9	2	2	110.35	High	0.1	6.205535412	High	0.0435	No
NP_060731.2	55763	30410720	EXOC1	exocyst complex component 1 isoform 1 [Homo sapiens]	S501	1.09	1.12	SQSSSLLDMGNMSAsDLDVADR	1	2	6	0	1ヲTMT6plex [N-Term]; 2ヲOxidation [M9(100); M12(100)]; 1ヲPhospho [S15(99.9)]	M9(Oxidation): 100; M12(Oxidation): 100; S15(Phospho): 99.92	S(1): 0.0; S(3): 0.0; S(4): 0.0; S(5): 0.0; S(13): 0.1; S(15): 99.9	DMGNMSAsDLDVADR	S15;	High	2640.136758					1	1	109.74	High	0.2182	4.202793598	High	0.081	Yes
NP_006658.1	10857	5729875	PGRMC1	membrane-associated progesterone receptor component 1 isoform 1 [Homo sapiens]	S57	0.19	4.4	GDQPAASGDsDDDEPPPLPR	1	2	12	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S10(100)]	S10(Phospho): 100	S(7): 0.0; S(10): 100.0	QPAASGDsDDDEPPP	S10;	High	2345.013195	252.97	4.75	173.2	54.6	6	6	109.52	High	0.4	6.801867008	High	0.1588	Yes
NP_055082.1	10944	7657234	C11orf58	small acidic protein [Homo sapiens]	S17	1.94	1.55	RSAsPDDDLGSSNWEAADLGNEER	1	1	4	1	1ヲTMT6plex [N-Term]; 1ヲDeamidated [N21(100)]; 1ヲPhospho [S4(100)]	S4(Phospho): 99.99; N21(Deamidated): 100	S(2): 0.0; S(4): 100.0; S(11): 0.0; S(12): 0.0	HGVKRSAsPDDDLGS	S4;	High	2901.237334					1	1	109.23	High	0.0275	9.282179832	High	0.0366	Yes
NP_003137.1	6749	4507241	SSRP1	FACT complex subunit SSRP1 [Homo sapiens]	S444	1.42	1.09	EGMNPSYDEYADsDEDQHDAYLER	1	1	8	0	1ヲTMT6plex [N-Term]; 1ヲOxidation [M3(100)]; 1ヲPhospho [S13(100)]	M3(Oxidation): 100; S13(Phospho): 100	S(6): 0.0; Y(7): 0.0; Y(10): 0.0; S(13): 100.0; Y(21): 0.0	SYDEYADsDEDQHDA	S13;	High	3174.235679	11.31	16.19	33.1	36.5	4	4	109.01	High	0.4404	8.604272842	High	0.1744	Yes
NP_055134.2	23592	7706607	LEMD3	inner nuclear membrane protein Man1 isoform 1 [Homo sapiens]	S144	0.47	0.97	VLLGFSSDEsDVEASPR	1	2	4	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S10(100)]	S10(Phospho): 100	S(6): 0.0; S(7): 0.0; S(10): 100.0; S(15): 0.0	LGFSSDEsDVEASPR	S10;	High	2117.000111	108.1	54.06	83.2	85.3	2	2	108.9	High	0.4404	5.356666088	High	0.1698	Yes
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S574	0.16	0.08	GLGVGFGSGGGSSSsVK	1	1	37	0	2ヲTMT6plex [N-Term; K17]; 1ヲPhospho [S15(100)]	S15(Phospho): 100	S(8): 0.0; S(12): 0.0; S(13): 0.0; S(14): 0.0; S(15): 100.0	SGGGSSSsVKFVSTT	S15;	High	1978.004692	126.13	487.67	51.5	131.2	6	7	108.46	High	0.0648	7.083731174	High	0.0579	Yes
NP_055726.3	22848	148277037	AAK1	AP2-associated protein kinase 1 [Homo sapiens]	S21	0.53	0.65	REQGGSGLGSGSsGGGGSTSGLGSGYIGR	1	1	3	1	1ヲTMT6plex [N-Term]; 1ヲPhospho [S13(98.7)]	S13(Phospho): 98.73	S(6): 0.0; S(10): 0.0; S(12): 1.3; S(13): 98.7; S(18): 0.0; T(19): 0.0; S(20): 0.0; S(24): 0.0; Y(26): 0.0	SGLGSGSsGGGGSTS	S13;	High	2851.316922					1	1	108.14	High	0.0833	7.239379406	High	0.0387	Yes
NP_060225.4	54888	39995082	NSUN2	tRNA (cytosine(34)-C(5))-methyltransferase isoform 1 [Homo sapiens]	S743; S751	0.33	4.19	AGEPNsPDAEEANsPDVTAGCDPAGVHPPR	1	2	14	0	1ヲTMT6plex [N-Term]; 1ヲCarbamidomethyl [C21]; 2ヲPhospho [S6(100); S14(100)]	S6(Phospho): 100; S14(Phospho): 100	S(6): 100.0; S(14): 100.0; T(18): 0.0	QRAGEPNsPDAEEAN;PDAEEANsPDVTAGC	S6; S14;	High	3403.413675	204.16	3.78	303.5	32.6	5	4	106.89	High	0.2804	6.835660934	High	0.4298	Yes;Yes
NP_009134.1	445815	6005709	PALM2-AKAP2	PALM2-AKAP2 protein isoform 1 [Homo sapiens]	S383	1.79	1.2	DALGDSLQVPVsPSSTTSSR	1	5	14	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S12(100)]	S12(Phospho): 100	S(6): 0.0; S(12): 100.0; S(14): 0.0; S(15): 0.0; T(16): 0.0; T(17): 0.0; S(18): 0.0; S(19): 0.0	DSLQVPVsPSSTTSS	S12;	High	2313.117266	4.56	15.02	20.2	46.4	6	6	106.61	High	0.1215	7.596327782	High	0.0434	No
NP_079104.3	79886	262527223	CAAP1	caspase activity and apoptosis inhibitor 1 isoform 1 [Homo sapiens]	S203	1.89	1.21	ILEGDNGMDsDMEEEADDGSK	1	2	5	0	2ヲTMT6plex [N-Term; K21]; 2ヲOxidation [M8(100); M12(100)]; 1ヲPhospho [S10(100)]	M8(Oxidation): 100; S10(Phospho): 100; M12(Oxidation): 100	S(10): 100.0; S(20): 0.0	EGDNGMDsDMEEEAD	S10;	High	2827.157502	1.5	21.11	4	37.3	2	2	106.31	High	0.7547	6.003861427	High	0.445	Yes
NP_803182.1	10916	29171705	MAGED2	melanoma-associated antigen D2 [Homo sapiens]	S190	2.79	4.16	HLDGEEDGsSDQSQASGTTGGR	1	1	3	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S9(98.8)]	S9(Phospho): 98.83	S(9): 98.8; S(10): 1.2; S(13): 0.0; S(16): 0.0; T(18): 0.0; T(19): 0.0	LDGEEDGsSDQSQAS	S9;	High	2500.042263					1	1	105.93	High	0.1226	6.358153343	High	0.0157	Yes
NP_001106674.2	4666	333033787	NACA	nascent polypeptide-associated complex subunit alpha isoform a [Homo sapiens]	S876	0.69	2.07	VQGEAVSNIQENTQTPTVQEEsEEEEVDETGVEVK	1	2	477	0	2ヲTMT6plex [N-Term; K35]; 1ヲPhospho [S22(98.2)]	S22(Phospho): 98.47	S(7): 0.0; T(13): 0.0; T(15): 0.0; T(17): 1.5; S(22): 98.5; T(30): 0.0	TPTVQEEsEEEEVDE	S22;	High	4399.060159	7.67	4.55	27	48.8	25	24	105.71	High	0.0377	6.102750778	High	0.0393	No
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S494	1.45	1.49	LDsPPPSPITEASEAAEAAEAGNLAVSSR	1	1	17	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(7): 0.0; T(10): 0.0; S(13): 0.0; S(27): 0.0; S(28): 0.0	LGVWRLDsPPPSPIT	S3;	High	3146.509199	4.87	14.35	14.2	50.8	4	5	105.32	High	0.0286	8.900532722	High	0.0742	Yes
NP_055082.1	10944	7657234	C11orf58	small acidic protein [Homo sapiens]	S17	2.15	3.15	RSAsPDDDLGSSNWEAADLGNEER	1	1	6	1	1ヲTMT6plex [N-Term]; 1ヲPhospho [S4(100)]	S4(Phospho): 99.99	S(2): 0.0; S(4): 100.0; S(11): 0.0; S(12): 0.0	HGVKRSAsPDDDLGS	S4;	High	2900.253318	1.17	15.27	3.6	76.7	2	2	104.1	High	0.6538	9.682415962	High	0.0331	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	T177	1.49		TVQPVAMGPDGLPVDASSVSNNYIQtLGR	1	15	10	0	1ヲTMT6plex [N-Term]; 1ヲOxidation [M7(100)]; 1ヲPhospho [T26(100)]	M7(Oxidation): 100; T26(Phospho): 100	T(1): 0.0; S(17): 0.0; S(18): 0.0; S(20): 0.0; Y(23): 0.0; T(26): 100.0	VSNNYIQtLGRDFRK	T26;	High	3311.618038					1		103.99	High	0.4423	5.849735737	High	0.1282	Yes
NP_005545.1	3853	5031839	KRT6A	keratin, type II cytoskeletal 6A [Homo sapiens]	S546	0.35	0.36	AIGGGLSSVGGGsSTIK	1	2	37	0	2ヲTMT6plex [N-Term; K17]; 1ヲPhospho [S7(100)]	S13(Phospho): 99.99	S(7): 0.0; S(8): 0.0; S(13): 100.0; S(14): 0.0; T(15): 0.0	LSSVGGGsSTIKYTT	S13;	High	1986.067293	23.83	22.29	25.7	24.5	9	9	103.65	High	0.0673	6.802202702	High	0.0279	No
NP_008993.1	11137	5902034	PWP1	periodic tryptophan protein 1 homolog [Homo sapiens]	S50	1.77	5.39	LQEEGGGsDEEETGSPSEDGMQSAR	1	1	5	0	1ヲTMT6plex [N-Term]; 1ヲOxidation [M21(100)]; 1ヲPhospho [S8(100)]	S8(Phospho): 100; M21(Oxidation): 100	S(8): 100.0; T(13): 0.0; S(15): 0.0; S(17): 0.0; S(23): 0.0	LQEEGGGsDEEETGS	S8;	High	2907.167265					1	1	103.58	High	0.5481	5.579376221	High	0.2384	Yes
NP_002347.5	4082	153070260	MARCKS	myristoylated alanine-rich C-kinase substrate [Homo sapiens]	S118	0.58	2.22	EAPAEGEAAEPGsPTAAEGEAASAASSTSSPK	1	1	29	0	2ヲTMT6plex [N-Term; K32]; 1ヲPhospho [S13(98.6)]	S13(Phospho): 98.5	S(13): 98.5; T(15): 1.5; S(23): 0.0; S(26): 0.0; S(27): 0.0; T(28): 0.0; S(29): 0.0; S(30): 0.0	GEAAEPGsPTAAEGE	S13;	High	3453.594668	66.97	13.61	107.1	76.2	5	5	103.45	High	0.0874	5.884706974	High	0.0068	Yes
NP_057022.2	51068	19923796	NMD3	60S ribosomal export protein NMD3 [Homo sapiens]	T470	1.4	1.33	DSAIPVESDtDDEGAPR	1	1	5	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S8(99.1)]	T10(Phospho): 99.24	S(2): 0.0; S(8): 0.8; T(10): 99.2	AIPVESDtDDEGAPR	T10;	High	2082.906605	6.8	4.46	16.6	10.3	3	3	103.09	High	0.1553	5.068313599	High	0.069	Yes
NP_006274.2	6867	170763517	TACC1	transforming acidic coiled-coil-containing protein 1 isoform 1 [Homo sapiens]	S44	0.8	0.64	GGAAGEDEAGGPEGDPEEEDsQAETK	1	2	2	0	2ヲTMT6plex [N-Term; K26]; 1ヲPhospho [S21(100)]	S21(Phospho): 100	S(21): 100.0; T(25): 0.0	GDPEEEDsQAETKSL	S21;	High	3070.305028					1	1	102.71	High	0.2524	4.794061661	High	0.142	Yes
NP_065987.1	57696	41327779	DDX55	ATP-dependent RNA helicase DDX55 [Homo sapiens]	S594	0.61	2.1	TVDLGIsDLEDDC	1	1	4	0	1ヲTMT6plex [N-Term]; 1ヲCarbamidomethyl [C13]; 1ヲPhospho [S7(100)]	S7(Phospho): 100	T(1): 0.0; S(7): 100.0	KTVDLGIsDLEDDC_	S7;	High	1760.749894					1	1	102.08	High	0.8529	3.180938005	High	0.4623	Yes
NP_055082.1	10944	7657234	C11orf58	small acidic protein [Homo sapiens]	S17	3.24	1.37	SAsPDDDLGSSNWEAADLGNEERK	1	1	6	1	2ヲTMT6plex [N-Term; K24]; 1ヲPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(10): 0.0; S(11): 0.0	HGVKRSAsPDDDLGS	S3;	High	3101.410102	1.36	7.91	7.6	19	3	3	100.85	High	0.2079	7.268413067	High	0.1155	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5752	1.12	1.13	ASLGsLEGEAEAEASSPK	1	1	24	0	2ヲTMT6plex [N-Term; K18]; 1ヲPhospho [S5(100)]	S5(Phospho): 98.99	S(2): 1.0; S(5): 99.0; S(15): 0.0; S(16): 0.0	SSKASLGsLEGEAEA	S5;	High	2271.115759	5.85	8.22	17.4	25	7	7	100.75	High	0.3069	6.815237522	High	0.0264	Yes
NP_004184.1	8729	4758416	GBF1	Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1 isoform 1 [Homo sapiens]	S1298	1.03	1.08	ADAPDAGAQsDSELPSYHQNDVSLDR	1	3	7	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S10(100)]	S10(Phospho): 100	S(10): 100.0; S(12): 0.0; S(16): 0.0; Y(17): 0.0; S(23): 0.0	APDAGAQsDSELPSY	S10;	High	3067.347947	12.33	27.68	18	44.3	2	2	100.45	High	0.12	7.234220982	High	0.0498	Yes
NP_004619.3	7508	224809295	XPC	DNA repair protein complementing XP-C cells [Homo sapiens]	S883; S884	0.73	0.58	SEAAAPHTDAGGGLssDEEEGTSSQAEAAR	1	1	2	0	1ヲTMT6plex [N-Term]; 2ヲPhospho [S15(100); S16(100)]	S15(Phospho): 100; S16(Phospho): 100	S(1): 0.0; T(8): 0.0; S(15): 100.0; S(16): 100.0; T(22): 0.0; S(23): 0.0; S(24): 0.0	TDAGGGLsSDEEEGT;DAGGGLSsDEEEGTS	S15; S16;	High	3277.336864					1	1	100.2	High	0.53	7.745693207	High	0.2632	Yes;Yes
NP_001005751.1	387680	54124343	FAM21A	WASH complex subunit FAM21A isoform 1 [Homo sapiens]	S539	1.67	1.09	GLFsDEEDSEDLFSSQSASK	1	2	5	0	2ヲTMT6plex [N-Term; K20]; 1ヲPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(9): 0.0; S(14): 0.0; S(15): 0.0; S(17): 0.0; S(19): 0.0	KTQKGLFsDEEDSED	S4;	High	2716.227888	2.98	10.12	7.1	15.7	2	2	99.7	High	0.53	4.384454727	High	0.3927	Yes
NP_036440.1	22992	16306580	KDM2A	lysine-specific demethylase 2A isoform a [Homo sapiens]	S869	0.8	1.93	TPQRGDEEGLGGEEEEEEEEEEDDsAEEGGAAR	1	2	4	1	1ヲTMT6plex [N-Term]; 1ヲPhospho [S26(100)]	S26(Phospho): 100	T(1): 0.0; S(26): 100.0	EEEEEDDsAEEGGAA	S26;	High	4002.584286	38.07	22.23	44.9	66.7	2	2	99.52	High	1	7.305317879	High	0.7141	Yes
NP_001290185.1	22880	735997387	MORC2	MORC family CW-type zinc finger protein 2 isoform 1 [Homo sapiens]	S743	0.92	0.84	SVAVsDEEEVEEEAER	1	3	2	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; S(5): 100.0	RKRSVAVsDEEEVEE	S5;	High	2115.916835					1	1	99.37	High	0.5657	4.097983837	High	0.2805	Yes
NP_001020262.1	23	69354671	ABCF1	ATP-binding cassette sub-family F member 1 isoform a [Homo sapiens]	S228	0.82	1.34	AEQGsEEEGEGEEEEEGGESK	1	1	4	0	2ヲTMT6plex [N-Term; K22]; 1ヲPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(21): 0.0	AKKAEQGsEEEGEGE	S5;	High	2892.183182	16.53	7.24	19.4	13.8	2	2	99.36	High	0.8687	6.066596031	High	0.7018	Yes
NP_004482.4	2909	150417981	ARHGAP35	rho GTPase-activating protein 35 [Homo sapiens]	S1134	2.31	1.05	AQSNGSGNGsDSEMDTSSLER	1	1	4	0	1ヲTMT6plex [N-Term]; 1ヲOxidation [M14(100)]; 2ヲDeamidated [N4(100); N8(100)]; 1ヲPhospho [S10(100)]	N4(Deamidated): 99.96; N8(Deamidated): 100; S10(Phospho): 100; M14(Oxidation): 100	S(3): 0.0; S(6): 0.0; S(10): 100.0; S(12): 0.0; T(16): 0.0; S(17): 0.0; S(18): 0.0	SNGSGNGsDSEMDTS	S10;	High	2455.960568					1	1	98.96	High	0.1515	5.429965496	High	0.0424	Yes
NP_001020471.2	201475	106507164	RAB12	ras-related protein Rab-12 [Homo sapiens]	S21	0.91	0.87	AGGGGGLGAGsPALSGGQGR	1	1	8	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S11(100)]	S11(Phospho): 100	S(11): 100.0; S(15): 0.0	GGGLGAGsPALSGGQ	S11;	High	1892.917719	15.83	12.86	29.5	22.7	4	4	98.55	High	0.3232	7.015190601	High	0.2051	Yes
NP_001009999.1	23028	58761544	KDM1A	lysine-specific histone demethylase 1A isoform a [Homo sapiens]	S131; S137	1.43	0.68	EMDESLANLsEDEYYsEEER	1	2	4	0	1ヲTMT6plex [N-Term]; 1ヲOxidation [M2(100)]; 2ヲPhospho [S10(100); S16(100)]	M2(Oxidation): 100; S10(Phospho): 100; S16(Phospho): 100	S(5): 0.0; S(10): 100.0; Y(14): 0.0; Y(15): 0.0; S(16): 100.0	DESLANLsEDEYYSE;LSEDEYYsEEERNAK	S10; S16;	High	2843.072894					1	1	98.48	High	0.3878	4.819394588	High	0.2116	Yes;Yes
NP_060225.4	54888	39995082	NSUN2	tRNA (cytosine(34)-C(5))-methyltransferase isoform 1 [Homo sapiens]	S743	1.68	1.81	AGEPNsPDAEEANSPDVTAGCDPAGVHPPR	1	2	19	0	1ヲTMT6plex [N-Term]; 1ヲCarbamidomethyl [C21]; 1ヲPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(14): 0.0; T(18): 0.0	QRAGEPNsPDAEEAN	S6;	High	3323.447344	7.45	6.45	34.1	31.6	7	7	98.1	High	0.3776	7.320422173	High	0.2582	Yes
NP_073568.2	64710	56118310	NUCKS1	nuclear ubiquitous casein and cyclin-dependent kinase substrate 1 [Homo sapiens]	S19	0.71	1.7	VVDYSQFQEsDDADEDYGR	1	1	27	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S10(100)]	S10(Phospho): 100	Y(4): 0.0; S(5): 0.0; S(10): 100.0; Y(17): 0.0	DYSQFQEsDDADEDY	S10;	High	2547.039804	26.33	8.67	65.1	49.2	10	10	98.01	High	0.551	6.021090031	High	0.211	Yes
NP_001078923.1	28964	146231998	GIT1	ARF GTPase-activating protein GIT1 isoform 1 [Homo sapiens]	S394; S397	1.12	0.98	SQSDLDDQHDYDsVAsDEDTDQEPLR	1	2	3	0	1ヲTMT6plex [N-Term]; 2ヲPhospho [S13(100); S16(100)]	S13(Phospho): 100; S16(Phospho): 100	S(1): 0.0; S(3): 0.0; Y(11): 0.0; S(13): 100.0; S(16): 100.0; T(20): 0.0	DDQHDYDsVASDEDT;HDYDSVAsDEDTDQE	S13; S16;	High	3369.31546	10.3	7.39	16.5	10.3	2	2	97.42	High	0.2887	6.055428028	High	0.2162	No;No
NP_001295082.1	9639	815659687	ARHGEF10	rho guanine nucleotide exchange factor 10 isoform 3 [Homo sapiens]	S59	0.74	0.82	YDTNNNEEEEGEQFDFDsGDEIPEADR	1	3	3	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S18(100)]	S18(Phospho): 100	Y(1): 0.0; T(3): 0.0; S(18): 100.0	GEQFDFDsGDEIPEA	S18;	High	3473.365172					1	1	97.24	High	0.9175	5.244265079	High	0.5802	Yes
NP_002267.2	3880	24234699	KRT19	keratin, type I cytoskeletal 19 [Homo sapiens]	S22	0.76	0.4	QSSATSSFGGLGGGsVR	1	1	25	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S15(100)]	S15(Phospho): 100	S(2): 0.0; S(3): 0.0; T(5): 0.0; S(6): 0.0; S(7): 0.0; S(15): 100.0	FGGLGGGsVRFGPGV	S15;	High	1863.879937	13.24	34.03	25.1	34.3	6	6	97.01	High	0.5773	5.928700924	High	0.3761	Yes
NP_001093115.1	200916	153791384	RPL22L1	60S ribosomal protein L22-like 1 [Homo sapiens]	S118	0.91	0.87	YFQISQDEDEsESED	1	1	11	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S11(100)]	S11(Phospho): 98.7	Y(1): 0.0; S(5): 0.0; S(11): 98.7; S(13): 1.3	ISQDEDEsESED_	S11;	High	2129.827351	43.56	10.8	60.8	13.3	2	2	96.52	High	0.1753	3.289347887	High	0.0122	Yes
NP_056073.1	23307	150010552	FKBP15	FK506-binding protein 15 [Homo sapiens]	S956	0.95	0.95	RPsQEQSASASSGQPQAPLNR	1	1	7	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(7): 0.0; S(9): 0.0; S(11): 0.0; S(12): 0.0	EERPRRPsQEQSASA	S3;	High	2505.204458	7.44	14.27	10	23.8	2	3	96.21	High	0.1667	9.453747749	High	0.1884	Yes
NP_060140.2	55611	109148508	OTUB1	ubiquitin thioesterase OTUB1 [Homo sapiens]	S16	0.41	0.91	QEPLGsDSEGVNCLAYDEAIMAQQDR	1	1	3	0	1ヲTMT6plex [N-Term]; 1ヲCarbamidomethyl [C13]; 1ヲOxidation [M21(100)]; 1ヲPhospho [S6(100)]	S6(Phospho): 99.98; M21(Oxidation): 100	S(6): 100.0; S(8): 0.0; Y(16): 0.0	QKQEPLGsDSEGVNC	S6;	High	3221.396554					1	1	96.13	High	0.0729	4.766056061	High	0.0461	Yes
NP_003283.2	7175	114155142	TPR	nucleoprotein TPR [Homo sapiens]	S379	2.57	0.55	GAILSEEELAAMsPTAAAVAK	1	1	2	0	2ヲTMT6plex [N-Term; K21]; 1ヲOxidation [M12(100)]; 1ヲPhospho [S13(100)]	M12(Oxidation): 100; S13(Phospho): 100	S(5): 0.0; S(13): 100.0; T(15): 0.0	EEELAAMsPTAAAVA	S13;	High	2584.334542					1	1	96.07	High	0.1771	6.768605709	High	0.096	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_008993.1	11137	5902034	PWP1	periodic tryptophan protein 1 homolog [Homo sapiens]	S50; S57	0.96	1.24	LQEEGGGsDEEETGsPSEDGMQSAR	1	1	5	0	1ｧTMT6plex [N-Term]; 1ｧOxidation [M21(100)]; 2ｧPhospho [S8(100); S15(100)]	S8(Phospho): 100; S15(Phospho): 100; M21(Oxidation): 100	S(8): 100.0; T(13): 0.0; S(15): 100.0; S(17): 0.0; S(23): 0.0	LQEEGGGsDEEETGS;SDEEETGsPSEDGMQ	S8; S15;	High	2987.133596	58.46	74.26	93.4	209.8	2	2	95.11	High	0.1053	6.342445374	High	0.3123	Yes;Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S601	0.8	1.69	YESQEPLAGQEsPLPLATR	1	1	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S12(100)]	S12(Phospho): 100	Y(1): 0.0; S(3): 0.0; S(12): 100.0; T(18): 0.0	EPLAGQEsPLPLATR	S12;	High	2395.174387	2.09	7.65	2.4	18.5	2	2	94.99	High	0.4	7.546039581	High	0.151	Yes
NP_005981.3	6793	126362971	STK10	serine/threonine-protein kinase 10 [Homo sapiens]	S438	1.45	1.23	QVAEQGGDLsPAANR	1	1	6	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S10(100)]	S10(Phospho): 100	S(10): 100.0	AEQGGDLsPAANRSQ	S10;	High	1821.869372	1.11	3.06	2.8	6.5	3	3	94.44	High	0.9255	5.951750755	High	0.6387	Yes
NP_002267.2	3880	24234699	KRT19	keratin, type I cytoskeletal 19 [Homo sapiens]	S22	0.96	0.36	QSSATSSFGGLGGGsVR	1	1	12	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [Q1(100)]; 1ｧPhospho [S15(100)]	Q1(Deamidated): 100; S15(Phospho): 100	S(2): 0.0; S(3): 0.0; T(5): 0.0; S(6): 0.0; S(7): 0.0; S(15): 100.0	FGGLGGGsVRFGPGV	S15;	High	1864.863953	1.11	25.23	2.1	18.3	4	4	94.09	High	0.5532	5.909391403	High	0.3164	Yes
NP_036222.3	23499	33188445	MACF1	microtubule-actin cross-linking factor 1 [Homo sapiens]	S3634	1.09	0.72	EVEEELATSGGQsPTGEQIPQFQQR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S13(98.7)]	S13(Phospho): 98.7	T(8): 0.0; S(9): 1.3; S(13): 98.7; T(15): 0.0	LATSGGQsPTGEQIP	S13;	High	3054.425469					1	1	93.94	High	0.1915	5.756443501	High	0.066	No
NP_056044.3	23277	87162455	CLUH	clustered mitochondria protein homolog [Homo sapiens]	S664	0.86	1.2	SEDPPGQEAGsEEEGSSASGLAK	1	1	4	0	2ｧTMT6plex [N-Term; K23]; 1ｧPhospho [S11(100)]	S11(Phospho): 100	S(1): 0.0; S(11): 100.0; S(16): 0.0; S(17): 0.0; S(19): 0.0	PPGQEAGsEEEGSSA	S11;	High	2757.250414	20.02	27.26	24.7	48.8	2	2	93.72	High	0.5106	5.669188023	High	0.1958	Yes
NP_057562.3	51530	66348045	ZC3HC1	nuclear-interacting partner of ALK isoform 1 [Homo sapiens]	S62	1.57	1.67	DTSATSQSVNGsPQAEQPSLESTSK	1	3	4	0	2ｧTMT6plex [N-Term; K25]; 1ｧPhospho [S12(100)]	S12(Phospho): 97.75	T(2): 0.0; S(3): 0.0; T(5): 0.0; S(6): 0.1; S(8): 2.2; S(12): 97.8; S(19): 0.0; S(22): 0.0; T(23): 0.0; S(24): 0.0	TSQSVNGsPQAEQPS	S12;	High	3074.456718	21.68	13.68	51.1	33.1	2	2	93.45	High	0.2473	6.037757874	High	0.1242	Yes
NP_001072989.1	3895	118498356	KTN1	kinectin isoform a [Homo sapiens]	S75	0.98	1.17	EIQNGNLHEsDSESVPR	1	4	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S10(99.2)]	S10(Phospho): 100	S(10): 100.0; S(12): 0.0; S(14): 0.0	QNGNLHEsDSESVPR	S10;	High	2220.013136	6.01	11.64	8.4	19.5	2	2	93.02	High	0.1613	7.696505547	High	0.061	Yes
NP_476516.1	80155	17149828	NAA15	N-alpha-acetyltransferase 15, NatA auxiliary subunit [Homo sapiens]	S855	0.94	3.16	ITVNGDsSAEAEELANEI	1	1	8	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [N4(100)]; 1ｧPhospho [S7(99)]	N4(Deamidated): 100; S7(Phospho): 99	T(2): 0.0; S(7): 99.0; S(8): 1.0	KITVNGDsSAEAEEL	S7;	High	2171.979436					1	1	92.96	High	0.1505	3.669496775	High	0.0436	Yes
NP_075384.3	65095	145580615	KRI1	protein KRI1 homolog [Homo sapiens]	S177	1.11	1.24	AFVEDsEDEDGAGEGGSSLLQK	1	1	4	0	2ｧTMT6plex [N-Term; K22]; 1ｧPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(17): 0.0; S(18): 0.0	FRAFVEDsEDEDGAG	S6;	High	2778.2759	1.69	1.75	2.7	3.1	2	2	92.73	High	0.8495	8.517339706	High	0.5059	No
NP_001248357.1	23175	387528013	LPIN1	phosphatidate phosphatase LPIN1 isoform 3 [Homo sapiens]	S534	0.07	2.69	SANQSPQSVGSSGVDsGVESTSDGLR	1	3	3	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S16(100)]	S16(Phospho): 99.95	S(1): 0.0; S(5): 0.0; S(8): 0.0; S(11): 0.0; S(12): 0.0; S(16): 100.0; S(20): 0.0; T(21): 0.0; S(22): 0.0	VGSSGVDsGVESTSD	S16;	High	2817.273719					1	1	92.7	High	0.2688	6.211075783	High	0.1224	No
NP_005981.3	6793	126362971	STK10	serine/threonine-protein kinase 10 [Homo sapiens]	S438	1.63	1	QVAEQGGDLsPAANR	1	1	8	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [Q5(100)]; 1ｧPhospho [S10(100)]	Q5(Deamidated): 100; S10(Phospho): 100	S(10): 100.0	AEQGGDLsPAANRSQ	S10;	High	1822.853388	1.79	14.46	5.8	29.5	4	4	92.53	High	0.1935	6.525178909	High	0.1991	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1385	1.35	3.24	HNGSLsPGLEAR	1	1	5	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S6(100)]	S6(Phospho): 100	S(4): 0.0; S(6): 100.0	LRHNGSLsPGLEARD	S6;	High	1546.757637	4.53	0.87	8.7	4	2	2	92.47	High	0.3043	6.065302372	High	0.0708	Yes
NP_004183.2	8623	117553627	ASMTL	N-acetylserotonin O-methyltransferase-like protein isoform 1 [Homo sapiens]	S239	0.32	0.23	HDSIPAADTFEDLsDVEGGGSEPTQR	1	3	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S14(100)]	S14(Phospho): 100	S(3): 0.0; T(9): 0.0; S(14): 100.0; S(21): 0.0; T(24): 0.0	ADTFEDLsDVEGGGS	S14;	High	3039.341799					1	1	92.44	High	0.3478	5.151657581	High	0.1282	Yes
NP_004727.2	9213	19923272	XPR1	xenotropic and polytropic retrovirus receptor 1 isoform 1 [Homo sapiens]	T690	0.89	0.69	VLIEDtDDEANT	1	2	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [T6(100)]	T6(Phospho): 100	T(6): 100.0; T(12): 0.0	TKVLIEDtDDEANT_	T6;	High	1643.725059	11.42	4.36	14.4	4.3	2	2	92.3	High	0.7826	3.50489521	High	0.2086	Yes
NP_795352.2	10207	112382257	INADL	inaD-like protein [Homo sapiens]	S1212	0.84	0.67	ALTDDsDENEEEDAFTDQK	1	1	4	0	2ｧTMT6plex [N-Term; K19]; 1ｧPhospho [S6(99.1)]	S6(Phospho): 99.14	T(3): 0.9; S(6): 99.1; T(16): 0.0	YKALTDDsDENEEED	S6;	High	2710.165681	28.43	0.08	34.6	0.1	2	2	92.28	High	0.3587	5.960882664	High	0.0923	Yes
NP_008993.1	11137	5902034	PWP1	periodic tryptophan protein 1 homolog [Homo sapiens]	S50	0.49	1.93	LQEEGGGsDEEETGSPSEDGMQSAR	1	1	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; T(13): 0.0; S(15): 0.0; S(17): 0.0; S(23): 0.0	LQEEGGGsDEEETGS	S8;	High	2891.17235	185.69	32.25	204.5	108	2	2	92.23	High	0.4783	5.400270939	High	0.2	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	T177	1.3	0.9	TVQPVAMGPDGLPVDASSVSNNYIQtLGR	1	15	17	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [T26(100)]; 1ｧDeamidated [N21(100)]; 1ｧOxidation [M7(100)]	M7(Oxidation): 100; N21(Deamidated): 96.86; T26(Phospho): 100	T(1): 0.0; S(17): 0.0; S(18): 0.0; S(20): 0.0; Y(23): 0.0; T(26): 100.0	VSNNYIQtLGRDFRK	T26;	High	3312.602054	7.02	11.89	18.4	15.1	4	2	91.9	High	0.3043	5.733314037	High	0.0297	Yes
NP_075384.3	65095	145580615	KRI1	protein KRI1 homolog [Homo sapiens]	S177	1.12	0.9	AFVEDsEDEDGAGEGGSSLLQK	1	1	4	0	2ｧTMT6plex [N-Term; K22]; 1ｧDeamidated [Q21(100)]; 1ｧPhospho [S6(100)]	S6(Phospho): 100; Q21(Deamidated): 100	S(6): 100.0; S(17): 0.0; S(18): 0.0	FRAFVEDsEDEDGAG	S6;	High	2779.259916	20.3	8.67	33	11	2	2	91.71	High	0.7609	6.21196413	High	0.4042	No
NP_005392.2	5784	34328899	PTPN14	tyrosine-protein phosphatase non-receptor type 14 [Homo sapiens]	S809	0.83	0.83	TDPPAVNGASLGPSIsEPDLTSVK	1	1	22	0	2ｧTMT6plex [N-Term; K24]; 1ｧDeamidated [N7(100)]; 1ｧPhospho [S16(100)]	N7(Deamidated): 100; S16(Phospho): 100	T(1): 0.0; S(10): 0.0; S(14): 0.0; S(16): 100.0; T(21): 0.0; S(22): 0.0	ASLGPSIsEPDLTSV	S16;	High	2891.469121	2.99	6.5	6.1	13.3	6	6	91.64	High	0.1957	7.441938877	High	0.082	Yes
NP_001020262.1	23	69354671	ABCF1	ATP-binding cassette sub-family F member 1 isoform a [Homo sapiens]	S228	0.97	1.31	KAEQGsEEEGEGEEEEEEGGESK	1	1	8	1	3ｧTMT6plex [N-Term; K23; K]; 1ｧPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(22): 0.0	AKKAEQGsEEEGEGE	S6;	High	3249.441077	9.49	6.94	18.5	18.4	4	4	91.51	High	0.9022	7.180265427	High	0.5585	Yes
NP_116259.2	25957	154146193	PNISR	arginine/serine-rich protein PNISR [Homo sapiens]	S290	1.02	0.73	SKFDsDEEEEDTENVEAASSGK	1	1	3	1	3ｧTMT6plex [N-Term; K2; K22]; 1ｧPhospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; S(5): 100.0; T(12): 0.0; S(19): 0.0; S(20): 0.0	PQRSKFDsDEEEEDT	S5;	High	3170.450519	5.47	21.64	7.9	22.7	2	2	91.48	High	0.1978	5.42541647	High	0.0829	Yes
NP_000539.2	7249	116256352	TSC2	tuberin isoform 1 [Homo sapiens]	S1420	0.98	0.72	SQsGTLDGESAAWSASGEDSR	1	3	11	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(98.7)]	S3(Phospho): 98.69	S(1): 1.3; S(3): 98.7; T(5): 0.0; S(10): 0.0; S(14): 0.0; S(16): 0.0; S(20): 0.0	EVKARSQsGTLDGES	S3;	High	2407.024822	4.13	22.74	8.1	33.8	4	4	91.08	High	0.0659	6.251945019	High	0.0592	Yes
NP_001271335.1	55287	548923663	TMEM40	transmembrane protein 40 isoform a [Homo sapiens]	S153	0.51	0.55	RGsDPASGEVEASQLR	1	4	4	1	1ｧTMT6plex [N-Term]; 1ｧDeamidated [Q14(100)]; 1ｧPhospho [S3(100)]	S3(Phospho): 100; Q14(Deamidated): 100	S(3): 100.0; S(7): 0.0; S(13): 0.0	SGLRRRGsDPASGEV	S3;	High	1968.92253	37.53	1.15	27.8	0.9	2	2	90.77	High	0.6593	7.163882256	High	0.2807	No
NP_079104.3	79886	262527223	CAAP1	caspase activity and apoptosis inhibitor 1 isoform 1 [Homo sapiens]	S203	1.35	0.69	ILEGDNGMDsDMEEEADDGSK	1	2	4	0	2ｧTMT6plex [N-Term; K21]; 2ｧOxidation [M8(100); M12(100)]; 1ｧDeamidated [N6(100)]; 1ｧPhospho [S10(100)]	N6(Deamidated): 100; M8(Oxidation): 100; S10(Phospho): 100; M12(Oxidation): 100	S(10): 100.0; S(20): 0.0	EGDNGMDsDMEEEAD	S10;	High	2828.141518	14.87	16.2	29.1	15.9	2	2	90.03	High	0.7111	4.81171608	High	0.4491	Yes
NP_002383.2	4193	89993689	MDM2	E3 ubiquitin-protein ligase Mdm2 isoform a [Homo sapiens]	S172	1.21	1.62	AIsETEENSDELSGER	1	2	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(5): 0.0; S(9): 0.0; S(13): 0.0	SSRRRAIsETEENSD	S3;	High	2074.901519	22.06	18.47	39.2	44.3	2	2	89.99	High	0.3444	5.130586624	High	0.0858	No
NP_008993.1	11137	5902034	PWP1	periodic tryptophan protein 1 homolog [Homo sapiens]	S50	0.08	53.73	EKLQEEGGGsDEEETGSPSEDGMQSAR	1	1	2	1	2ｧTMT6plex [N-Term; K2]; 2ｧPhospho [S10(100); T/S]	S10(Phospho): 100; T15(Phospho): 49.41; S17(Phospho): 49.41	S(10): 100.0; T(15): 49.4; S(17): 49.4; S(19): 1.2; S(25): 0.0	LQEEGGGsDEEETGS	S10;	High	3457.439169					1	1	89.75	High	0.1	5.56498909	High	0.2932	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1385	0.92	1.69	HNGSLsPGLEAR	1	1	11	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [N2(100)]; 1ｧPhospho [S6(100)]	N2(Deamidated): 100; S6(Phospho): 100	S(4): 0.0; S(6): 100.0	LRHNGSLsPGLEARD	S6;	High	1547.741653	10.5	5.9	21.9	22.5	5	5	89.58	High	0.3667	6.729589939	High	0.156	Yes
NP_002107.3	3105	24797067	HLA-A	HLA class I histocompatibility antigen, A-1 alpha chain precursor [Homo sapiens]	S359	0.65	0.81	GGSYTQAASSDSAQGSDVsLTACKV	1	2	2	1	2ｧTMT6plex [N-Term; K24]; 1ｧCarbamidomethyl [C23]; 1ｧPhospho [S19(100)]	S19(Phospho): 99.99	S(3): 0.0; Y(4): 0.0; T(5): 0.0; S(9): 0.0; S(10): 0.0; S(12): 0.0; S(16): 0.0; S(19): 100.0; T(21): 0.0	SAQGSDVsLTACKV_	S19;	High	2985.391282					1	1	89.18	High	0.2247	4.198949337	High	0.1071	Yes
NP_005392.2	5784	34328899	PTPN14	tyrosine-protein phosphatase non-receptor type 14 [Homo sapiens]	S620	0.96	0.64	TFQEDSSPVVHQsLQEVSEPLTATK	1	1	5	0	2ｧTMT6plex [N-Term; K25]; 1ｧPhospho [S13(100)]	S13(Phospho): 100	T(1): 0.0; S(6): 0.0; S(7): 0.0; S(13): 100.0; S(18): 0.0; T(22): 0.0; T(24): 0.0	SSPVVHQsLQEVSEP	S13;	High	3295.649939	0.02	1.87	0	2.1	3	3	89.17	High	0.4157	7.605923176	High	0.1997	Yes
NP_001284502.1	55809	662033858	TRERF1	transcriptional-regulating factor 1 isoform 1 [Homo sapiens]	T787	0.42	0.96	SNSIDGSNVTVtPGPGEQTVDVEPR	1	2	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [T12(100)]	T12(Phospho): 100	S(1): 0.0; S(3): 0.0; S(7): 0.0; T(10): 0.0; T(12): 100.0; T(19): 0.0	DGSNVTVtPGPGEQT	T12;	High	2864.351242					1	1	88.99	High	0.0787	5.712339401	High	0.1278	No
NP_000288.1	5311	4505835	PKD2	polycystin-2 [Homo sapiens]	S812	0.72	0.4	SLDDsEEDDDEDSGHSSR	1	1	7	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; S(5): 100.0; S(13): 0.0; S(16): 0.0; S(17): 0.0	FPRSLDDsEEDDDED	S5;	High	2303.862233	1.22	13.01	1.5	9	3	3	88.95	High	0.2472	5.618913174	High	0.1423	Yes
NP_005008.2	5130	31543385	PCYT1A	choline-phosphate cytidylyltransferase A [Homo sapiens]	S362	1.02	0.93	AAAYDIsEDEED	1	1	3	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S7(100)]	S7(Phospho): 100	Y(4): 0.0; S(7): 100.0	KAAAYDIsEDEED_	S7;	High	1636.646474					1	1	88.84	High	1	2.577991486	High	0.3488	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	T201	0.75	0.77	NGNGGPGPYVGQAGTAtLPR	1	15	11	0	1ｧTMT6plex [N-Term]; 2ｧDeamidated [N1(100); N3(100)]; 1ｧPhospho [T17(100)]	N1(Deamidated): 100; N3(Deamidated): 100; T17(Phospho): 99.99	Y(9): 0.0; T(15): 0.0; T(17): 100.0	VGQAGTAtLPRNFHY	T17;	High	2195.033144	20.65	4.29	35.7	7.4	5	5	88.68	High	0.2247	5.997631073	High	0.065	Yes
NP_203752.2	85461	225543461	TANC1	protein TANC1 isoform 1 [Homo sapiens]	S1668	0.55	0.73	HPASLTSSGSSGsPSSSIK	1	1	3	0	2ｧTMT6plex [N-Term; K19]; 1ｧPhospho [S13(100)]	S13(Phospho): 100	S(4): 0.0; T(6): 0.0; S(7): 0.0; S(8): 0.0; S(10): 0.0; S(11): 0.0; S(13): 100.0; S(15): 0.0; S(16): 0.0; S(17): 0.0	TSSGSSGsPSSSIKM	S13;	High	2312.153541					1	1	88.44	High	0.0341	5.890287399	High	0.0611	Yes
NP_009197.2	11321	223005897	GPN1	GPN-loop GTPase 1 isoform a [Homo sapiens]	S352	0.79	1.12	GTLDEEDEEADsDTDDIDHR	1	4	9	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S/T]	S12(Phospho): 98.93	T(2): 0.0; S(12): 98.9; T(14): 1.1	EEDEEADsDTDDIDH	S12;	High	2586.02019	15.53	0.75	21.6	1.5	3	3	87.96	High	0.1705	5.610569477	High	0.0517	No
NP_055680.3	9918	178056552	NCAPD2	condensin complex subunit 1 [Homo sapiens]	S1330	1.12	1.04	YQPLAsTASDNDFVTPEPR	1	1	12	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S6(99)]	S6(Phospho): 99	Y(1): 0.0; S(6): 99.0; T(7): 1.0; S(9): 0.0; T(15): 0.0	SRYQPLAsTASDNDF	S6;	High	2417.122352	6.84	19.04	13.3	41.1	3	4	87.85	High	0.1136	5.255177498	High	0.0209	Yes
NP_003461.2	7874	150378533	USP7	ubiquitin carboxyl-terminal hydrolase 7 isoform 1 [Homo sapiens]	S18	0.75	1.94	AGEQQLsEPEDMEMEAGDTDDPPR	1	1	11	0	1ｧTMT6plex [N-Term]; 1ｧOxidation [M14(100)]; 1ｧPhospho [S7(100)]	S7(Phospho): 100; M12(Oxidation): 99.94	S(7): 100.0; T(19): 0.0	KAGEQQLsEPEDMEM	S7;	High	2972.201208	28.04	10.55	43.7	42.7	4	4	87.77	High	0.2273	4.901520252	High	0.0612	Yes
NP_073568.2	64710	56118310	NUCKS1	nuclear ubiquitous casein and cyclin-dependent kinase substrate 1 [Homo sapiens]	S19	0.8	1.43	VVDYSQFQEsDDADEDYGR	1	1	8	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [Q6(100)]; 1ｧPhospho [S10(100)]	Q6(Deamidated): 100; S10(Phospho): 100	Y(4): 0.0; S(5): 0.0; S(10): 100.0; Y(17): 0.0	DYSQFQEsDDADEDY	S10;	High	2548.02382	18.48	47.06	21.3	169.8	2	3	87.63	High	0.2045	5.661875248	High	0.0707	Yes
NP_114098.1	30011	13994242	SH3KBP1	SH3 domain-containing kinase-binding protein 1 isoform a [Homo sapiens]	S183	1	3.55	ETTGSEsDGGDSSSTK	1	2	4	0	2ｧTMT6plex [N-Term; K16]; 1ｧPhospho [S7(100)]	S7(Phospho): 99.99	T(2): 0.0; T(3): 0.0; S(5): 0.0; S(7): 100.0; S(12): 0.0; S(13): 0.0; S(14): 0.0; T(15): 0.0	RETTGSEsDGGDSSS	S7;	High	2082.911639	6.29	18.73	9	119.2	2	2	87.51	High	0.25	5.013289928	High	0.0898	Yes
NP_000517.2	3861	15431310	KRT14	keratin, type I cytoskeletal 14 [Homo sapiens]	S435	0.05		LLEGEDAHLSSSQFSSGsQSSR	1	1	96	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S18(98.8)]	S18(Phospho): 98.76	S(10): 0.0; S(11): 0.0; S(12): 0.0; S(15): 0.0; S(16): 0.0; S(18): 98.8; S(20): 1.2; S(21): 0.0	SSQFSSGsQSSRDVT	S18;	High	2618.193285	2405.27		308.4		2		87.25	High	0.1034	7.653380394	High	0.0157	Yes
NP_031393.2	22913	21396480	RALY	RNA-binding protein Raly isoform 2 [Homo sapiens]	S272	1.04	1.26	TRDDGDEEGLLTHsEEELEHSQDTDADDGALQ	1	2	3	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S14(100)]	S14(Phospho): 99.96	T(1): 0.0; T(12): 0.0; S(14): 100.0; S(21): 0.0; T(24): 0.0	EEGLLTHsEEELEHS	S14;	High	3836.609319					1	1	87.19	High	0.1954	7.335550785	High	0.015	No
NP_057365.3	51347	148746218	TAOK3	serine/threonine-protein kinase TAO3 [Homo sapiens]	S331	1.76	1	NGPLNESQEDEEDsEHGTSLNR	1	1	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S14(100)]	S14(Phospho): 100	S(7): 0.0; S(14): 100.0; T(18): 0.0; S(19): 0.0	SQEDEEDsEHGTSLN	S14;	High	2766.16892	9.99	1.5	25.2	2.1	2	2	87.16	High	0.3563	5.878919125	High	0.1071	Yes
NP_006775.1	10885	5803221	WDR3	WD repeat-containing protein 3 [Homo sapiens]	S241	0.79	1.21	GSsPGIQDTLEAEDGAFETDEAPEDR	1	1	7	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(98.9)]	S3(Phospho): 98.63	S(2): 1.4; S(3): 98.6; T(9): 0.0; T(19): 0.0	PKKIKGSsPGIQDTL	S3;	High	3045.304745					1	1	86.97	High	0.069	3.636783838	High	0.0027	Yes
NP_001138829.1	25942	223941782	SIN3A	paired amphipathic helix protein Sin3a [Homo sapiens]	S832	0.67	0.4	GDLsDVEEEEEEEMDVDEATGAVK	1	1	5	0	2ｧTMT6plex [N-Term; K24]; 1ｧOxidation [M14(100)]; 1ｧPhospho [S4(100)]	S4(Phospho): 100; M14(Oxidation): 100	S(4): 100.0; T(20): 0.0	FAQRGDLsDVEEEEE	S4;	High	3179.375082	25.43	85.53	24.5	51.3	2	2	86.91	High	0.9195	4.902028561	High	0.6837	Yes
NP_006311.2	10424	291621647	PGRMC2	membrane-associated progesterone receptor component 2 [Homo sapiens]	S114	0.52	0.97	GLGAGAGAGEEsPATSLPR	1	1	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S12(100)]	S12(Phospho): 100	S(12): 100.0; T(15): 0.0; S(16): 0.0	GAGAGEEsPATSLPR	S12;	High	2006.974565	77.44	28.94	62.2	41.5	2	2	86.77	High	0.4483	5.498751163	High	0.0818	No
NP_055318.2	27340	120587023	UTP20	small subunit processome component 20 homolog [Homo sapiens]	T1741	1.16	1.19	SLSDNGQPGtPDPADSGGTSAK	1	1	4	0	2ｧTMT6plex [N-Term; K22]; 1ｧPhospho [T10(100)]	T10(Phospho): 100	S(1): 0.0; S(3): 0.0; T(10): 100.0; S(16): 0.0; T(19): 0.0; S(20): 0.0	SDNGQPGtPDPADSG	T10;	High	2597.213241	37.11	13.85	67	23.6	2	2	86.6	High	0.3678	6.196462154	High	0.2226	Yes
NP_829884.1	23085	38045898	ERC1	ELKS/Rab6-interacting/CAST family member 1 isoform epsilon [Homo sapiens]	S37	1.47	0.88	RTNsTGGSSGSSVGGGSGK	1	3	11	1	2ｧTMT6plex [N-Term; K19]; 1ｧDeamidated [N3(100)]; 1ｧPhospho [S4(99)]	N3(Deamidated): 100; S4(Phospho): 99.04	T(2): 0.0; S(4): 99.0; T(5): 1.0; S(8): 0.0; S(9): 0.0; S(11): 0.0; S(12): 0.0; S(17): 0.0	LGHRRTNsTGGSSGS	S4;	High	2179.03924					1	1	86.4	High	0.0116	6.614122868	High	0.0061	Yes
NP_055045.2	6730	24497620	SRP68	signal recognition particle subunit SRP68 isoform 1 [Homo sapiens]	S22	0.87	1.63	QVPGGGGGGGSGGGGGsGGGGSGGGR	1	2	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S17(98.1)]	S17(Phospho): 98.11	S(11): 0.0; S(17): 98.1; S(22): 1.9	GSGGGGGsGGGGSGG	S17;	High	2152.931866					1	1	86.24	High	0.0233	5.233767033	High	0.0229	Yes
NP_005753.1	10155	5032179	TRIM28	transcription intermediary factor 1-beta [Homo sapiens]	S50		3.58	STAPSAAASASASAAASsPAGGGAEALELLEHCGVCR	1	1	7	0	1ｧTMT6plex [N-Term]; 2ｧCarbamidomethyl [C33; C36]; 1ｧPhospho [S/T]	S18(Phospho): 92	S(1): 0.0; T(2): 0.0; S(5): 0.0; S(9): 2.0; S(11): 2.0; S(13): 2.0; S(17): 2.0; S(18): 92.0	SASAAASsPAGGGAE	S18;	High	3751.725433						1	86.17	High	0.2674	8.087008476	High	0.0173	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S494; S498	0.46	0.71	LDsPPPsPITEASEAAEAAEAGNLAVSSR	1	1	48	0	1ｧTMT6plex [N-Term]; 2ｧPhospho [S3(100); S7(100)]	S3(Phospho): 100; S7(Phospho): 100	S(3): 100.0; S(7): 100.0; T(10): 0.0; S(13): 0.0; S(27): 0.0; S(28): 0.0	LGVWRLDsPPPSPIT;RLDSPPPsPITEASE	S3; S7;	High	3226.47553	46.68	4.12	31.4	4.1	2	2	86.07	High	0.0814	9.261408806	High	0.3488	Yes;Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_001128647.1	121441	206597465	NEDD1	protein NEDD1 isoform a [Homo sapiens]	S523	0.33	1.56	LVTSGAESGNLNTsPSSNQTR	1	3	4	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S14(100)]	S14(Phospho): 99.98	T(3): 0.0; S(4): 0.0; S(8): 0.0; T(13): 0.0; S(14): 100.0; S(16): 0.0; S(17): 0.0; T(20): 0.0	ESGNLNTsPSSNQTR	S14;	High	2429.150691					1	1	86.06	High	0.1395	7.279843807	High	0.0481	No
NP_001287750.1	1975	664805999	EIF4B	eukaryotic translation initiation factor 4B isoform 1 [Homo sapiens]	S422	2.01	1.47	TGsESSQTGTSTTSSR	1	2	7	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; S(5): 0.0; S(6): 0.0; T(8): 0.0; T(10): 0.0; S(11): 0.0; T(12): 0.0; T(13): 0.0; S(14): 0.0; S(15): 0.0	RERSRTGsESSQTGT	S3;	High	1882.822875					1	1	86.05	High	0.186	4.866719246	High	0.1417	Yes
NP_003283.2	7175	114155142	TPR	nucleoprotein TPR [Homo sapiens]	T2116	1.58	1.54	GLQLtPGIGGMQQHFFDDEDR	1	1	2	0	1ヲTMT6plex [N-Term]; 1ヲOxidation [M11(100)]; 1ヲPhospho [T5(100)]	T5(Phospho): 100; M11(Oxidation): 100	T(5): 100.0	VGRGLQLtPGIGGMQ	T5;	High	2686.216997					1	1	85.36	High	1	6.045359612	High	0.7868	Yes
NP_113584.3	10075	61676188	HUWE1	E3 ubiquitin-protein ligase HUWE1 [Homo sapiens]	S1907	0.76	0.73	GSGTAsDDEFENLR	1	1	2	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S6(100)]	S6(Phospho): 100	S(2): 0.0; T(4): 0.0; S(6): 100.0	PRGSGTAsDDEFENL	S6;	High	1806.774469					1	1	85.32	High	0.2	5.00190115	High	0.106	Yes
NP_001258928.1	85440	431822375	DOCK7	dedicator of cytokinesis protein 7 isoform 1 [Homo sapiens]	S900	0.75	0.56	SLSNsNPDISGTPTSPDDEVR	1	4	4	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S5(100)]	S5(Phospho): 99.97	S(1): 0.0; S(3): 0.0; S(5): 100.0; S(10): 0.0; T(12): 0.0; T(14): 0.0; S(15): 0.0	RSRSLSNsNPDISGT	S5;	High	2497.129287	15.07	86.55	16	77.6	2	2	85.28	High	0.2353	6.344604969	High	0.0568	Yes
NP_001640.1	357	4502175	SHROOM2	protein Shroom2 [Homo sapiens]	S1039	1.47	1.83	AQSPGsPLHAR	1	1	7	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S3(100)]	S6(Phospho): 100	S(3): 0.0; S(6): 100.0	PRAQSPGsPLHARGQ	S6;	High	1429.715044	7.08	18.95	18.2	65.7	3	3	85.24	High	0.5647	4.431646347	High	0.219	Yes
NP_005745.1	10146	5031703	G3BP1	ras GTPase-activating protein-binding protein 1 [Homo sapiens]	S149	0.85	1.39	YQDEVFGGFVTEPQEEsEEEVEEPEER	1	1	17	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S17(100)]	S17(Phospho): 100	Y(1): 0.0; T(11): 0.0; S(17): 100.0	VTEPQEEsEEEVEEP	S17;	High	3525.494396	45.68	36.3	59.7	81.3	2	2	85.17	High	0.3765	5.060566902	High	0.1265	Yes
NP_110382.3	81542	151101292	TMX1	thioredoxin-related transmembrane protein 1 precursor [Homo sapiens]	S247	0.59	0.76	VEEEQEADEEDVsEEEAESK	1	1	4	0	2ヲTMT6plex [N-Term; K20]; 1ヲPhospho [S13(100)]	S13(Phospho): 100	S(13): 100.0; S(19): 0.0	EADEEDVsEEEAESK	S13;	High	2848.218505	6.48	0.03	5.4	0	2	2	85.07	High	0.3647	5.875277996	High	0.2058	Yes
NP_003578.2	8449	255982614	DHX16	putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX16 isoform 1 [Homo sapiens]	S103; S106	1.43	1.18	LLEDsEEsSEETVSR	1	2	2	0	1ヲTMT6plex [N-Term]; 2ヲPhospho [S5(100); S8(100)]	S5(Phospho): 100; S8(Phospho): 100	S(5): 100.0; S(8): 100.0; S(9): 0.0; T(12): 0.0; S(14): 0.0	SYRLLEDsEESSEET;LLEDSEEsSEETVSR	S5; S8;	High	2098.866788					1	1	84.83	High	0.1529	4.977817059	High	0.1325	Yes;Yes
NP_003461.2	7874	150378533	USP7	ubiquitin carboxyl-terminal hydrolase 7 isoform 1 [Homo sapiens]	S18	1.08	0.9	AGEQQLsEPEDMEMEAGDTDDPPR	1	1	8	0	1ヲTMT6plex [N-Term]; 2ヲOxidation [M12(100); M14(100)]; 1ヲPhospho [S7(100)]	S7(Phospho): 100; M12(Oxidation): 100; M14(Oxidation): 100	S(7): 100.0; T(19): 0.0	KAGEQQLsEPEDMEM	S7;	High	2988.196123	26.5	15	62.5	27.4	4	4	84.81	High	0.8353	5.627049446	High	0.405	Yes
NP_004309.2	444	14589866	ASPH	aspartyl/asparaginyl beta-hydroxylase isoform a [Homo sapiens]	S29	1		SSGNSSSSGSGSGSTSAGSSsPGAR	1	5	14	0	1ヲTMT6plex [N-Term]; 1ヲDeamidated [N4(100)]; 1ヲPhospho [S21(98.7)]	N4(Deamidated): 100; S21(Phospho): 98.68	S(1): 0.0; S(2): 0.0; S(5): 0.0; S(6): 0.0; S(7): 0.0; S(8): 0.0; S(10): 0.0; S(12): 0.0; S(14): 0.0; T(15): 0.0; S(16): 0.0; S(19): 0.0; S(20): 1.3; S(21): 98.7	STSAGSSsPGARRET	S21;	High	2412.994979	25.81		37.8		2		84.6	High	0.0353	5.818187237	High	0.0155	Yes
NP_009134.1	445815	6005709	PALM2-AKAP2	PALM2-AKAP2 protein isoform 1 [Homo sapiens]	S624	2.26	1.81	GQKsPGALETPSAAGSQGNTASQGK	1	5	6	1	3ヲTMT6plex [N-Term; K3; K25]; 1ヲPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(10): 0.0; S(12): 0.0; S(16): 0.0; T(20): 0.0; S(22): 0.0	SAAKGQKsPGALETP	S4;	High	3096.592982	7.98	4.19	32	13.2	3	3	84.52	High	0.2941	9.902915955	High	0.1636	No
NP_005487.3	10051	50658065	SMC4	structural maintenance of chromosomes protein 4 isoform 1 [Homo sapiens]	S41	0.72	1.1	TEsPATAAETASEELDNR	1	1	17	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S3(99)]	S3(Phospho): 98.99	T(1): 1.0; S(3): 99.0; T(6): 0.0; T(10): 0.0; S(12): 0.0	PPSGRTEsPATAAET	S3;	High	2200.980832	2.02	19.7	3.2	45.4	5	4	84.49	High	0.0357	7.049772739	High	0.0255	Yes
NP_002801.1	5710	5292161	PSMD4	26S proteasome non-ATPase regulatory subunit 4 [Homo sapiens]	S256	0.46	1.34	AAAASAAEAGIATTGTEDsDDALLK	1	1	5	0	2ヲTMT6plex [N-Term; K25]; 1ヲPhospho [S19(100)]	S19(Phospho): 99.99	S(5): 0.0; T(13): 0.0; T(14): 0.0; T(16): 0.0; S(19): 100.0	ATTGTEDsDDALLKM	S19;	High	2858.407249	31.71	1.68	20.8	3.2	2	2	84.46	High	0.0833	4.168106556	High	0.0288	Yes
NP_116265.1	84962	14249622	AJUBA	LIM domain-containing protein ajuba isoform 1 [Homo sapiens]	S230	1.06	1.23	HsYPPALGSPGALAGAGVGAAGPLER	1	2	3	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; Y(3): 0.0; S(9): 0.0	GCQESRHsYPPALGS	S2;	High	2682.360231					1	1	84.31	High	0.1429	6.836040974	High	0.0161	Yes
NP_001096123.1	54726	156630992	OTUD4	OTU domain-containing protein 4 isoform 3 [Homo sapiens]	S941	1.13	0.88	TAADVVsPGANSVDSR	1	1	4	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S7(100)]	S7(Phospho): 100	T(1): 0.0; S(7): 100.0; S(12): 0.0; S(15): 0.0	KTAADVVsPGANSVD	S7;	High	1854.879602	10.49	20.15	16.9	25.4	2	2	84.27	High	0.5238	5.315131664	High	0.3177	No
NP_057562.3	51530	66348045	ZC3HC1	nuclear-interacting partner of ALK isoform 1 [Homo sapiens]	S62	0.89	0.97	DTSATSQSVNGsPQAEQPSLESTSK	1	3	4	0	2ヲTMT6plex [N-Term; K25]; 1ヲDeamidated [N10(100)]; 1ヲPhospho [S12(100)]	N10(Deamidated): 99.98; S12(Phospho): 100	T(2): 0.0; S(3): 0.0; T(5): 0.0; S(6): 0.0; S(8): 0.0; S(12): 100.0; S(19): 0.0; S(22): 0.0; T(23): 0.0; S(24): 0.0	TSQSVNGsPQAEQPS	S12;	High	3075.440734	10.28	29.43	12.9	42	2	2	84.22	High	0.2143	4.430291653	High	0.0519	Yes
NP_001032726.1	689	83641885	BTF3	transcription factor BTF3 isoform A [Homo sapiens]	S30	1.28	0.76	GGCPGGEATLsQPPPR	1	1	3	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S11(100)]; 1ヲCarbamidomethyl [C3]	S11(Phospho): 100	T(9): 0.0; S(11): 100.0	PGGEATLsQPPPRGG	S11;	High	1889.877829					1	1	83.93	High	0.2262	6.265949726	High	0.0957	Yes
NP_115791.3	84433	157743265	CARD11	caspase recruitment domain-containing protein 11 [Homo sapiens]	S593	1.56	0.67	STVEEDNDsGGFDALDLDDDSHER	1	1	2	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S9(100)]	S9(Phospho): 100	S(1): 0.0; T(2): 0.0; S(9): 100.0; S(21): 0.0	TVEEDNDsGGFDALD	S9;	High	2947.195194					1	1	83.85	High	0.5238	5.052856445	High	0.2772	Yes
NP_004482.4	2909	150417981	ARHGAP35	rho GTPase-activating protein 35 [Homo sapiens]	S1134	0.98	1.17	AQSNGSGNGsDSEMDTSSLER	1	1	3	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S10(100)]; 1ヲDeamidated [N4(99.9)]; 1ヲOxidation [M14(100)]	N4(Deamidated): 99.94; S10(Phospho): 100; M14(Oxidation): 100	S(3): 0.0; S(6): 0.0; S(10): 100.0; S(12): 0.0; T(16): 0.0; S(17): 0.0; S(18): 0.0	SNGSGNGsDSEMDTS	S10;	High	2454.976552					1	1	83.81	High	0.2381	4.498384953	High	0.0533	Yes
NP_001171904.1	29763	296923763	PACSIN3	protein kinase C and casein kinase substrate in neurons protein 3 [Homo sapiens]	S354	0.88	1.97	DGTAPPPQSPGSPGTGQDEEWsDEESPR	1	1	4	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S22(100)]	S22(Phospho): 100	T(3): 0.0; S(9): 0.0; S(12): 0.0; T(15): 0.0; S(22): 100.0; S(26): 0.0	TGQDEEWsDEESPRK	S22;	High	3219.358906	123.99	1.26	309.1	3.5	2	2	83.6	High	0.381	5.948334694	High	0.1277	Yes
NP_002366.2	4134	47519639	MAP4	microtubule-associated protein 4 isoform 1 [Homo sapiens]	S1151	0.87	1.1	EAQTLDSQIQETsI	1	1	5	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S13(100)]	S13(Phospho): 99.99	T(4): 0.0; S(7): 0.0; T(12): 0.0; S(13): 100.0	DSQIQETsI_	S13;	High	1871.883685	51.1		69.6		2	1	83.53	High	0.6905	3.665919304	High	0.1335	Yes
NP_055144.3	23644	45827771	EDC4	enhancer of mRNA-decapping protein 4 [Homo sapiens]	S879	0.96	1	DSQDASAEQsDHDDEVASLASASGGFGTK	1	1	7	0	2ヲTMT6plex [N-Term; K29]; 1ヲPhospho [S10(100)]	S10(Phospho): 100	S(2): 0.0; S(6): 0.0; S(10): 100.0; S(18): 0.0; S(21): 0.0; S(23): 0.0; T(28): 0.0	QDASAEQsDHDDEVA	S10;	High	3420.511667	3.48	18.06	4.7	25.9	2	2	83.51	High	0.1786	5.675608158	High	0.0757	Yes
NP_001020262.1	23	69354671	ABCF1	ATP-binding cassette sub-family F member 1 isoform a [Homo sapiens]	S228	1.88	1.12	KAEQGsEEEGEGEEEEEGGESK	1	1	4	1	3ヲTMT6plex [N-Term; K23; K]; 1ヲDeamidated [Q4(100)]; 1ヲPhospho [S6(100)]	Q4(Deamidated): 100; S6(Phospho): 100	S(6): 100.0; S(22): 0.0	AKKAEQGsEEEGEGE	S6;	High	3250.425093	27.36	2.79	83.3	4.4	2	2	83.41	High	0.9759	6.276271343	High	0.6194	Yes
NP_065090.1	57092	9966827	PCNP	PEST proteolytic signal-containing nuclear protein [Homo sapiens]	S119	1.1	0.4	TLSVAAAFNEDEDsEPEEMPPEAK	1	1	7	0	2ヲTMT6plex [N-Term; K24]; 1ヲOxidation [M19(100)]; 1ヲPhospho [S14(100)]	S14(Phospho): 100; M19(Oxidation): 100	T(1): 0.0; S(3): 0.0; S(14): 100.0	AFNEDEDsEPEEMPP	S14;	High	3160.432143	8.99	41.24	17.2	29.5	3	3	83.24	High	0.8675	5.411207199	High	0.5342	Yes
NP_005917.2	4236	50726968	MFAP1	microfibrillar-associated protein 1 [Homo sapiens]	S116	0.74		IVEPEVVGEsDSEVEGDAWR	1	1	3	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S10(98.8)]	S10(Phospho): 98.82	S(10): 98.8; S(12): 1.2	EPEVVGEsDSEVEGD	S10;	High	2511.14896					1		82.71	High	0.1325	4.134770393	High	0.0557	Yes
NP_009134.1	445815	6005709	PALM2-AKAP2	PALM2-AKAP2 protein isoform 1 [Homo sapiens]	S383	1.77	1.09	DALGDSLQVPVsPSSTTSSR	1	5	8	0	1ヲTMT6plex [N-Term]; 1ヲDeamidated [Q8(100)]; 1ヲPhospho [S12(100)]	Q8(Deamidated): 100; S12(Phospho): 100	S(6): 0.0; S(12): 100.0; S(14): 0.0; S(15): 0.0; T(16): 0.0; T(17): 0.0; S(18): 0.0; S(19): 0.0	DSLQVPVsPSSTTSS	S12;	High	2314.101282	3.27	19.26	10.1	43.9	3	4	82.36	High	0.1707	5.992165565	High	0.0618	No
NP_005753.1	10155	5032179	TRIM28	transcription intermediary factor 1-beta [Homo sapiens]	S594	0.71	1.54	LAsPSGSTSSGLEVVAPEGTSAPGGGPGTLDDSATICR	1	1	14	0	1ヲTMT6plex [N-Term]; 1ヲCarbamidomethyl [C37]; 1ヲPhospho [S3(96.2)]	S3(Phospho): 96.2	S(3): 96.2; S(5): 1.9; S(7): 1.9; T(8): 0.0; S(9): 0.0; S(10): 0.0; T(20): 0.0; S(21): 0.0; T(29): 0.0; S(33): 0.0; T(35): 0.0	AEGPRLAsPSGSTSS	S3;	High	3867.815687	11.88		12		2	1	82.2	High	0.0244	10.92161751	High	0.0321	Yes
NP_055082.1	10944	7657234	C11orf58	small acidic protein [Homo sapiens]	S17	2.04	1.7	SAsPDDDLGSSNWEAADLGNEER	1	1	17	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(10): 0.0; S(11): 0.0	HGVKRSAsPDDDLGS	S3;	High	2744.152207	4.57	6.03	23.1	23.3	6	5	82.01	High	0.2073	6.506409168	High	0.0952	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S636	0.76	0.74	SVGGSGGGsFGDNLVTR	1	3	8	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S9(100)]	S9(Phospho): 100	S(1): 0.0; S(5): 0.0; S(9): 100.0; T(16): 0.0	VGGSGGGsFGDNLVT	S9;	High	1875.879937	10.5	24.49	16.1	37.5	4	4	82	High	0.378	5.600366592	High	0.2411	Yes
NP_620147.1	123169	20270337	LEO1	RNA polymerase-associated protein LEO1 isoform 1 [Homo sapiens]	S658	1.37	1.54	YVIsDEEEEDDD	1	2	4	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S4(100)]	S4(Phospho): 100	Y(1): 0.0; S(4): 100.0	KHKKYVIsDEEEEDD	S4;	High	1766.673083					1	1	81.91	High	1	3.38028717	High	0.287	Yes
NP_075384.3	65095	145580615	KRI1	protein KRI1 homolog [Homo sapiens]	S142	0.42	1.21	YVDEENsDGETSNHR	1	1	2	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S7(100)]	S7(Phospho): 100	Y(1): 0.0; S(7): 100.0; T(11): 0.0; S(12): 0.0	KYVDEENsDGETSNH	S7;	High	2060.839588					1	1	81.85	High	0.5	5.836669445	High	0.1832	No
NP_009149.2	11236	21314654	RNF139	E3 ubiquitin-protein ligase RNF139 [Homo sapiens]	T663	1.64	1.54	NGVIQHTGAAAEEFNDDtD	1	1	4	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [T18(100)]	T18(Phospho): 100	T(7): 0.0; T(18): 100.0	AEEFNDDtD_	T18;	High	2312.98698	24.67	38.14	62.4	100	2	2	81.63	High	0.8049	4.553190231	High	0.4659	Yes
NP_036336.2	9329	156119605	GTF3C4	general transcription factor 3C polypeptide 4 [Homo sapiens]	S611	1.09	0.76	ILLVDsPGMGNADDEQQEEGTSSK	1	1	10	0	2ヲTMT6plex [N-Term; K24]; 1ヲOxidation [M9(100)]; 1ヲPhospho [S6(100)]	S6(Phospho): 100; M9(Oxidation): 100	S(6): 100.0; T(21): 0.0; S(22): 0.0; S(23): 0.0	SKILLVDsPGMGNAD	S6;	High	3074.427727	1.46	63.82	3.2	124	4	4	81.49	High	0.7778	5.537922859	High	0.3718	Yes
NP_002006.2	2308	9257222	FOXO1	forkhead box protein O1 [Homo sapiens]	S287	0.39	1.45	ASLQSGQEGAGDsPGSQFSK	1	1	2	0	2ヲTMT6plex [N-Term; K20]; 1ヲPhospho [S13(100)]	S13(Phospho): 100	S(2): 0.0; S(5): 0.0; S(13): 100.0; S(16): 0.0; S(19): 0.0	GQEGAGDsPGSQFSK	S13;	High	2476.175733					1	1	81.43	High	0.4074	3.738376141	High	0.246	Yes
NP_065770.1	57479	153792074	PRR12	proline-rich protein 12 [Homo sapiens]	T1561; S1568	0.78	1	KQETAAVCGEtDEEAGEsGGEGIFR	1	1	2	1	2ヲTMT6plex [N-Term; K]; 1ヲCarbamidomethyl [C8]; 2ヲPhospho [T11(100); S18(100)]	T11(Phospho): 100; S18(Phospho): 100	T(4): 0.0; T(11): 100.0; S(18): 100.0	TAAVCGEtDEEAGES;TDEEAGEsGGEGIFR	T11; S18;	High	3245.411105					1	1	81.27	High	0.716	3.665563107	High	0.5177	No;No
NP_003137.1	6749	4507241	SSRP1	FACT complex subunit SSRP1 [Homo sapiens]	S444	0.43	13.46	EGMNPSYDEYADsDEDQHDAYLER	1	1	2	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S13(100)]	S13(Phospho): 100	S(6): 0.0; Y(7): 0.0; Y(10): 0.0; S(13): 100.0; Y(21): 0.0	SYDEYADsDEDQHDA	S13;	High	3158.240764					1	1	81.25	High	0.321	6.008399963	High	0.1697	Yes
NP_000225.1	3978	4557719	LIG1	DNA ligase 1 isoform 1 [Homo sapiens]	S141	1.65	1.7	TIQEVLEEQsEDEDREAK	1	2	2	1	2ヲTMT6plex [N-Term; K18]; 1ヲPhospho [S10(100)]	S10(Phospho): 100	T(1): 0.0; S(10): 100.0	QEVLEEQsEDEDREA	S10;	High	2686.286071					1	1	81.22	High	0.9753	5.559905052	High	0.4748	Yes
NP_115543.3	92017	343780938	SNX29	sorting nexin-29 [Homo sapiens]	S810	0.57	0.71	NVEPQsGDL	1	1	2	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	TRNVEPQsGDL_	S6;	High	1267.576879					1	1	80.97	High	1	3.24857831	High	0.7046	Yes
NP_065897.1	57606	149588928	SLAIN2	SLAIN motif-containing protein 2 [Homo sapiens]	S48	0.82	0.69	SGAVQGAGSLGPGsPVR	1	1	4	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S14(100)]	S14(Phospho): 100	S(1): 0.0; S(9): 0.0; S(14): 100.0	AGSLGPGsPVRAGAS	S14;	High	1805.910843	1.3	8.15	1.5	8	2	2	80.89	High	0.5309	7.212649345	High	0.2718	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S619	0.3	0.83	ASASGSGAQVGGPISSGSSASsVTVTR	1	3	4	0	1ヲTMT6plex [N-Term]; 2ヲPhospho [S22(95.2); S/T]	S18(Phospho): 49.5; S19(Phospho): 49.5; S22(Phospho): 95.18	S(2): 0.0; S(4): 0.0; S(6): 0.0; S(15): 0.0; S(16): 1.0; S(18): 49.5; S(19): 49.5; S(21): 2.9; S(22): 95.2; T(24): 1.9; T(26): 0.0	SSGSSASsVTVTRSY	S22;	High	2754.254578					1	1	80.73	High	0.1605	4.629528046	High	0.0259	Yes
NP_004765.2	5469	28559039	MED1	mediator of RNA polymerase II transcription subunit 1 [Homo sapiens]	S1463	1	1.07	SPAYTPQNLDsESESGSSIAEK	1	1	2	0	2ヲTMT6plex [N-Term; K22]; 1ヲPhospho [S11(98.9)]	S11(Phospho): 98.87	S(1): 0.0; Y(4): 0.0; T(5): 0.0; S(11): 98.9; S(13): 1.1; S(15): 0.0; S(17): 0.0; S(18): 0.0	YTPQNLDsESESGSS	S11;	High	2835.33375					1	1	80.72	High	0.1358	4.396036148	High	0.0636	Yes
NP_001289978.1	10627	740087210	MYL12A	myosin regulatory light chain 12A isoform 2 [Homo sapiens]	S25	0.39	100	ATsNVFAMFDQSQIQEFK	1	5	16	0	2ヲTMT6plex [N-Term; K18]; 1ヲPhospho [T/S]	S3(Phospho): 99.18	T(2): 0.8; S(3): 99.2; S(12): 0.0	KRPQRATsNVFAMFD	S3;	High	2629.277362	43.4	0	34.4	0	4	3	80.67	High	0.0494	6.670419693	High	0.012	No
NP_078976.2	79753	21314720	SNIP1	smad nuclear-interacting protein 1 [Homo sapiens]	S52	1.94	0.82	RPDHSGGsPSPPTSEPAR	1	1	5	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S8(100)]	S8(Phospho): 100	S(5): 0.0; S(8): 100.0; S(10): 0.0; T(13): 0.0; S(14): 0.0	RPDHSGGsPSPPTSE	S8;	High	2140.997426	18.1	15.72	52.8	18.3	2	2	80.62	High	0.2099	5.219512939	High	0.09	Yes
NP_009330.1	6772	6274552	STAT1	signal transducer and activator of transcription 1-alpha/beta isoform alpha [Homo sapiens]	S727	1.83	0.44	LQTTDNLLPMsPEEFDEVSR	1	1	6	0	1ヲTMT6plex [N-Term]; 1ヲOxidation [M10(100)]; 1ヲPhospho [S11(100)]	M10(Oxidation): 100; S11(Phospho): 100	T(3): 0.0; T(4): 0.0; S(11): 100.0; S(19): 0.0	TDNLLPMsPEEFDEV	S11;	High	2646.220745	3.86	19.59	12.3	14.9	3	3	80.53	High	0.6667	6.5127635	High	0.2857	Yes
NP_003283.2	7175	114155142	TPR	nucleoprotein TPR [Homo sapiens]	S2048	0.71	2.49	AADSQNSGEGNTGAAESsFSQEVSR	1	1	7	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S4(100)]	S18(Phospho): 96.26	S(4): 0.0; S(7): 0.0; T(12): 0.0; S(17): 1.9; S(18): 96.3; S(20): 1.9; S(24): 0.0	NTGAAESsFSQEVSR	S18;	High	2795.195469	101.74	0.93	134.5	3.3	2	2	80.1	High	0.2	5.180006504	High	0.0367	Yes
NP_001254507.1	26092	389886539	TOR1AIP1	torsin-1A-interacting protein 1 isoform 1 [Homo sapiens]	S216; T221	0.71	0.89	VNFsEEGEtEEDDQDSSHSSVTTVK	1	2	2	0	2ヲTMT6plex [N-Term; K25]; 2ヲPhospho [S4(100); T9(100)]	S4(Phospho): 100; T9(Phospho): 100	S(4): 100.0; T(9): 100.0; S(16): 0.0; S(17): 0.0; S(19): 0.0; S(20): 0.0; T(22): 0.0; T(23): 0.0	VQQKVNFsEEGETEE;NFSEEGEtEEDDQDS	S4; T9;	High	3374.423837					1	1	80.1	High	0.6125	4.036343575	High	0.2203	No;No
NP_149075.2	2177	21361861	FANCD2	Fanconi anemia group D2 protein isoform a [Homo sapiens]	S1412	1.32	0.56	SQNSQESTADEsEDDMSSQASK	1	2	2	0	2ヲTMT6plex [N-Term; K22]; 1ヲOxidation [M16(100)]; 1ヲPhospho [S12(100)]	S12(Phospho): 100; M16(Oxidation): 100	S(1): 0.0; S(4): 0.0; S(7): 0.0; T(8): 0.0; S(12): 100.0; S(17): 0.0; S(18): 0.0; S(21): 0.0	QESTADEsEDDMSSQ	S12;	High	2915.213771					1	1	79.92	High	0.2625	3.695504427	High	0.1081	Yes
NP_001037850.1	65062	113205075	TMEM237	transmembrane protein 237 isoform a [Homo sapiens]	S49	1.51	0.82	NTPASAsLEGLAQTAGR	1	2	2	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S7(100)]	S7(Phospho): 100	T(2): 0.0; S(5): 0.0; S(7): 100.0; T(14): 0.0	KNTPASAsLEGLAQT	S7;	High	1952.964001					1	1	79.86	High	0.2875	4.589484692	High	0.1176	Yes
NP_003137.1	6749	4507241	SSRP1	FACT complex subunit SSRP1 [Homo sapiens]	S444	1.35	0.92	EGMNPSYDEYADsDEDQHDAYLER	1	1	4	0	1ヲTMT6plex [N-Term]; 1ヲOxidation [M3(100)]; 1ヲDeamidated [Q17(100)]; 1ヲPhospho [S13(100)]	M3(Oxidation): 100; S13(Phospho): 100; Q17(Deamidated): 100	S(6): 0.0; Y(7): 0.0; Y(10): 0.0; S(13): 100.0; Y(21): 0.0	SYDEYADsDEDQHDA	S13;	High	3175.219695	5.93	19.02	11.4	25.1	2	2	79.74	High	0.4375	6.383173943	High	0.1442	Yes
NP_001185702.1	5298	311771621	PI4KB	phosphatidylinositol 4-kinase beta isoform 2 [Homo sapiens]	S277	1.46	2.64	SKsDATASISLSSNLK	1	2	4	1	3ヲTMT6plex [N-Term; K2; K16]; 1ヲPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; T(6): 0.0; S(8): 0.0; S(10): 0.0; S(12): 0.0; S(13): 0.0	RTHQRSKsDATASIS	S3;	High	2376.299032					1	1	79.62	High	0.55	7.0020895	High	0.1729	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	T201	1.26	1.42	NGNGGPGPYVGQAGTAtLPR	1	15	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T17(100)]	T17(Phospho): 99.99	Y(9): 0.0; T(15): 0.0; T(17): 100.0	VGQAGTAtLPRNFHY	T17;	High	2193.065112					1	1	79.62	High	0.2375	5.690947056	High	0.0721	Yes
NP_009217.3	11346	40353727	SYNPO	synaptopodin isoform A [Homo sapiens]	S854	0.41	0.39	RsPTDSDVSLDSEDSGAK	1	1	7	1	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S2(100)]	S2(Phospho): 99.99	S(2): 100.0; T(4): 0.0; S(6): 0.0; S(9): 0.0; S(12): 0.0; S(15): 0.0	RPFLYRRsPTDSDVS	S2;	High	2404.128114	20.12	16.9	11.7	9.3	2	2	79.61	High	0.075	5.794639587	High	0.0466	Yes
NP_612429.2	113146	156766050	AHNAK2	protein AHNAK2 [Homo sapiens]	S365	0.54	0.95	AGVLEELGPWGDsLEETGAATGSR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S13(100)]	S13(Phospho): 100	S(13): 100.0; T(17): 0.0; T(21): 0.0; S(23): 0.0	ELGPWGDsLEETGAA	S13;	High	2711.276286					1	1	79.58	High	0.4625	4.638935089	High	0.1422	Yes
NP_859052.3	169714	145580631	QSOX2	sulfhydryl oxidase 2 precursor [Homo sapiens]	S578	0.84	0.77	DNLLDTYSADQGDsSEGGTLAR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S14(98.7)]	S14(Phospho): 98.72	T(6): 0.0; Y(7): 0.0; S(8): 0.0; S(14): 98.7; S(15): 1.3; T(19): 0.0	YSADQGDsSEGGTLA	S14;	High	2594.145666					1	1	79.53	High	0.125	3.943800688	High	0.0203	Yes
NP_114402.1	57446	14165266	NDRG3	protein NDRG3 isoform a [Homo sapiens]	S361	0.51	2.47	SVTSNQSDGTQESCEsPDVLDR	1	2	5	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C14]; 1ﾗPhospho [S16(100)]	S16(Phospho): 100	S(1): 0.0; T(3): 0.0; S(4): 0.0; S(7): 0.0; T(10): 0.0; S(13): 0.0; S(16): 100.0	GTQESCEsPDVLDRH	S16;	High	2720.155579	63.61	13.35	48.6	49.4	2	2	79.52	High	0.0125	4.18559885	High	0.0931	Yes
NP_001091742.1	3157	148298677	HMGCS1	hydroxymethylglutaryl-CoA synthase, cytoplasmic [Homo sapiens]	S516	1.1	1.14	LPATAAEPEAAVIsNGEH	1	1	16	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [N15(100)]; 1ﾗPhospho [S14(100)]	S14(Phospho): 100; N15(Deamidated): 100	T(4): 0.0; S(14): 100.0	EPEAAVIsNGEH_	S14;	High	2086.989547	10.47	13.93	33.5	43.7	8	7	79.22	High	1	6.674731731	High	0.5967	Yes
NP_005219.2	1956	29725609	EGFR	epidermal growth factor receptor isoform a precursor [Homo sapiens]	T693	2.08	1.92	ELVEPLtPSGEAPNQALLR	1	1	15	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q15(99)]; 1ﾗPhospho [T7(100)]	T7(Phospho): 100; Q15(Deamidated): 99.05	T(7): 100.0; S(9): 0.0	RELVEPLtPSGEAPN	T7;	High	2344.199874	11.46	11.25	50.6	45.2	4	4	79.03	High	0.1772	5.523554802	High	0.0072	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1404	2.36	1.48	AGMSSNQSISsPVLDAVPR	1	1	8	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M3(100)]; 1ﾗPhospho [S11(100)]	M3(Oxidation): 100; S11(Phospho): 99.95	S(4): 0.0; S(5): 0.0; S(8): 0.0; S(10): 0.1; S(11): 100.0	SSNQSISsPVLDAVP	S11;	High	2241.078379	1.93	41.27	6.4	104.9	2	2	79.01	High	0.1266	6.004831791	High	0.035	Yes
NP_055082.1	10944	7657234	C11orf58	small acidic protein [Homo sapiens]	S17	3.06	1.99	SAsPDDDLGSSNWEAADLGNEER	1	1	14	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [N12(100)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99; N12(Deamidated): 100	S(1): 0.0; S(3): 100.0; S(10): 0.0; S(11): 0.0	HGVKRSAsPDDDLGS	S3;	High	2745.136223	0.51	4.61	2.7	16	3	3	78.9	High	0.1139	7.11879015	High	0.0393	Yes
NP_055144.3	23644	45827771	EDC4	enhancer of mRNA-decapping protein 4 [Homo sapiens]	S879	0.96	1.04	DSQDASAEQsDHDDEVASLASASGGFGTK	1	1	2	0	2ﾗTMT6plex [N-Term; K29]; 1ﾗDeamidated [Q3(100)]; 1ﾗPhospho [S10(100)]	Q3(Deamidated): 100; S10(Phospho): 99.97	S(2): 0.0; S(6): 0.0; S(10): 100.0; S(18): 0.0; S(21): 0.0; S(23): 0.0; T(28): 0.0	QDASAEQsDHDDEVA	S10;	High	3421.495683					1	1	78.86	High	0.1646	6.069434166	High	0.0824	Yes
NP_003913.3	8925	126131099	HERC1	probable E3 ubiquitin-protein ligase HERC1 [Homo sapiens]	S4857	1.18	0.9	NVDNAEGsDTDY	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; T(10): 0.0; Y(12): 0.0	NVDNAEGsDTDY_	S8;	High	1608.626407					1	1	78.86	High	0.2785	3.404874563	High	0.1618	Yes
NP_004406.2	1832	58530840	DSP	desmoplakin isoform I [Homo sapiens]	T61	0.57	0.16	GVITDQNSDGYCQTGtMSR	1	2	8	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C12]; 1ﾗOxidation [M17(100)]; 1ﾗPhospho [T16(98.1)]	T16(Phospho): 98.14; M17(Oxidation): 100	T(4): 0.0; S(8): 0.0; Y(11): 0.0; T(14): 0.0; T(16): 98.1; S(18): 1.9	DGYCQTGtMSRHQNQ	T16;	High	2415.015521	114.58	718.79	115.3	331.7	2	2	78.79	High	0.0759	6.675197601	High	0.012	No
NP_001106878.1	8861	164663816	LDB1	LIM domain-binding protein 1 isoform 1 [Homo sapiens]	S410	0.57	0.76	SENPTSQAsQ	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(1): 0.0; T(5): 0.0; S(6): 0.0; S(9): 100.0	ENPTSQAsQ_	S9;	High	1357.583421					1	1	78.79	High	0.6456	3.077283382	High	0.5032	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S212; S216	0.7	1.82	LPSGsGAAsPTGSAVDIR	1	1	14	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S5(100); S9(100)]	S5(Phospho): 100; S9(Phospho): 100	S(3): 0.0; S(5): 100.0; S(9): 100.0; T(11): 0.0; S(13): 0.0	VIRLPSGsGAASPTG;PSGSGAAsPTGSAVD	S5; S9;	High	2031.935083	4.34	17.65	5.3	60.1	3	3	78.72	High	0.0127	6.486362934	High	0.3914	Yes;Yes
NP_064603.1	56970	149588870	ATXN7L3	ataxin-7-like protein 3 isoform a [Homo sapiens]	S288	1.68	1.07	LQWDGSSDLsPSDSGSSK	1	2	4	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	S(6): 0.0; S(7): 0.0; S(10): 100.0; S(12): 0.0; S(14): 0.0; S(16): 0.0; S(17): 0.0	WDGSSDLsPSDSGSS	S10;	High	2391.111736	9.06	15.46	21.7	23.6	2	2	78.7	High	0.2658	4.346422195	High	0.1885	No
NP_001271335.1	55287	548923663	TMEM40	transmembrane protein 40 isoform a [Homo sapiens]	S153	0.72	0.68	RGsDPASGEVEASQLR	1	4	8	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(7): 0.0; S(13): 0.0	SGLRRRGsDPASGEV	S3;	High	1967.938514	34.83	26.46	53.6	37	4	4	78.56	High	0.6582	7.374288082	High	0.2714	No
NP_612480.1	144097	39930523	C11orf84	uncharacterized protein C11orf84 [Homo sapiens]	S251	0.39	1.3	NLDPDPEPPSPDsPTETFAAPAEVR	1	1	5	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S13(98.9)]	S13(Phospho): 98.87	S(10): 0.0; S(13): 98.9; T(15): 1.1; T(17): 0.0	PEPPSPDsPTETFAA	S13;	High	2958.360744	81.38	62.71	47.4	166.4	2	2	78.46	High	0.1154	4.192145824	High	0.074	Yes
NP_005219.2	1956	29725609	EGFR	epidermal growth factor receptor isoform a precursor [Homo sapiens]	T693	1.56	1.58	ELVEPLtPSGEAPNQALLR	1	1	10	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T7(100)]	T7(Phospho): 100	T(7): 100.0; S(9): 0.0	RELVEPLtPSGEAPN	T7;	High	2343.215858	2.77	4.75	9.7	15.1	5	4	78.44	High	0.2821	6.48193264	High	0.162	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S893	0.65	2.88	RDsLGAYASQDANEQGQDLGK	1	1	2	1	2ﾗTMT6plex [N-Term; K21]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; Y(7): 0.0; S(9): 0.0	WEFGKRDsLGAYASQ	S3;	High	2761.319437					1	1	78.41	High	0.0769	7.94350481	High	0.1297	Yes
NP_079107.6	96764	151301096	TGS1	trimethylguanosine synthase [Homo sapiens]	S55; T60	0.68	0.59	DSGNNsGDQAtEEEEGGYSCGTAESHDSK	1	1	2	0	2ﾗTMT6plex [N-Term; K29]; 1ﾗCarbamidomethyl [C20]; 2ﾗPhospho [S6(100); T11(100)]	S6(Phospho): 99.97; T11(Phospho): 100	S(2): 0.0; S(6): 100.0; T(11): 100.0; Y(18): 0.0; S(19): 0.0; T(22): 0.0; S(25): 0.0; S(28): 0.0	IRDSGNNsGDQATEE;NNSGDQAtEEEEGGY	S6; T11;	High	3636.39949					1	1	78.29	High	0.141	4.381760597	High	0.1986	Yes;Yes
NP_001640.1	357	4502175	SHROOM2	protein Shroom2 [Homo sapiens]	S646	1.45	1.03	SRsTVALTAAGEAEDGTGR	1	1	4	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(99.1)]	S3(Phospho): 99.08	S(1): 0.9; S(3): 99.1; T(4): 0.0; T(8): 0.0; T(17): 0.0	AKLQKSRsTVALTAA	S3;	High	2158.033871					1	1	78.21	High	0.1923	8.204865456	High	0.0317	No
NP_612409.1	64434	61097912	NOM1	nucleolar MIF4G domain-containing protein 1 [Homo sapiens]	S280; T287	1.4	1.21	AQEAEAQsEDDDEDtEEEQGEEKEK	1	1	4	1	3ﾗTMT6plex [N-Term; K23; K25]; 2ﾗPhospho [S8(100); T15(100)]	S8(Phospho): 100; T15(Phospho): 100	S(8): 100.0; T(15): 100.0	AQEAEAQsEDDDEDT;SEDDDEDtEEEQGEE	S8; T15;	High	3715.551171	1.33	16.63	2.6	29.1	2	2	78.11	High	1	8.336328506	High	0.7962	Yes;Yes
NP_055630.2	9862	41281496	MED24	mediator of RNA polymerase II transcription subunit 24 isoform 1 [Homo sapiens]	S873	1.8	0.78	LLSSNEDDANILSsPTDR	1	2	9	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S/T]	S14(Phospho): 97.79	S(3): 0.0; S(4): 0.0; S(13): 1.1; S(14): 97.8; T(16): 1.1	DDANILSsPTDRSMS	S14;	High	2256.059417	28.34	127.75	108.8	248.3	3	2	78.08	High	0.1026	4.982505798	High	0.0181	Yes
NP_001020276.1	1452	68303575	CSNK1A1	casein kinase I isoform alpha isoform 1 [Homo sapiens]	T349	0.72	0.93	AAQQAASSSGQGQQAQtPTGK	1	3	5	0	2ﾗTMT6plex [N-Term; K21]; 1ﾗPhospho [T17(100)]	T17(Phospho): 100	S(7): 0.0; S(8): 0.0; S(9): 0.0; T(17): 100.0; T(19): 0.0	GQGQQAQtPTGKQTD	T17;	High	2540.250629	6.27	15.99	6.3	21.2	2	2	78.03	High	0.2436	6.023470879	High	0.0947	No
NP_001138439.1	23327	222352086	NEDD4L	E3 ubiquitin-protein ligase NEDD4-like isoform 1 [Homo sapiens]	S448	2.57	2.47	SLsSPTVTLSAPLEGAK	1	7	20	0	2ﾗTMT6plex [N-Term; K17]; 1ﾗPhospho [S3(100)]	S3(Phospho): 98.96	S(1): 0.0; S(3): 99.0; S(4): 1.0; T(6): 0.0; T(8): 0.0; S(10): 0.0	IRRPRSLsSPTVTLS	S3;	High	2196.192887					1	1	78.02	High	0.0385	5.924413681	High	0.0084	Yes
NP_055662.3	9898	188497758	UBAP2L	ubiquitin-associated protein 2-like isoform a [Homo sapiens]	S467	0.72	7.3	STSAPQMsPGSSDNQSSSPQPAQQK	1	4	9	0	2ﾗTMT6plex [N-Term; K25]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	S(1): 0.0; T(2): 0.0; S(3): 0.0; S(8): 100.0; S(11): 0.0; S(12): 0.0; S(16): 0.0; S(17): 0.0; S(18): 0.0	STSAPQMsPGSSDNQ	S8;	High	3070.418893	15.46	7.73	15.9	94.3	2	2	77.99	High	0.2949	4.716358662	High	0.1059	Yes
NP_001177344.1	6878	298676520	TAF6	transcription initiation factor TFIID subunit 6 isoform epsilon [Homo sapiens]	S709	1.63	0.66	ANGSQPNSGsPQPAP	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [N2(100)]; 1ﾗPhospho [S10(100)]	N2(Deamidated): 100; S10(Phospho): 99.99	S(4): 0.0; S(8): 0.0; S(10): 100.0	GSQPNSGsPQPAP_	S10;	High	1718.758425	28.99	91.46	75.1	103.4	2	2	77.87	High	0.3974	3.268605471	High	0.0612	No
NP_071741.2	64151	21359945	NCAPG	condensin complex subunit 3 [Homo sapiens]	S674	0.52	2.03	TLHCEGTEINsDDEQESK	1	1	2	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗCarbamidomethyl [C4]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	T(1): 0.0; T(7): 0.0; S(11): 100.0; S(17): 0.0	CEGTEINsDDEQESK	S11;	High	2630.169327					1	1	77.86	High	0.4359	6.857922077	High	0.242	Yes
NP_573571.1	147179	18959210	WIPF2	WAS/WASL-interacting protein family member 2 [Homo sapiens]	S267	2.02	1.13	QPPGVPNGPSsPTNESAPELPQR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(98.4)]	S11(Phospho): 98.41	S(10): 1.6; S(11): 98.4; T(13): 0.0; S(16): 0.0	GVPNGPSsPTNESAP	S11;	High	2665.28204					1	1	77.86	High	0.1795	4.469628811	High	0.0112	Yes
NP_004482.4	2909	150417981	ARHGAP35	rho GTPase-activating protein 35 [Homo sapiens]	S1179	1.63	1.44	TSFSVGsDDELGPIR	1	1	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	T(1): 0.0; S(2): 0.0; S(4): 0.0; S(7): 100.0	RTSFSVGsDDELGPI	S7;	High	1888.889104	0.15	3.39	0.4	8.5	3	3	77.75	High	0.3333	5.635656834	High	0.1436	Yes
NP_006319.1	10432	5454064	RBM14	RNA-binding protein 14 isoform 1 [Homo sapiens]	S520	0.92	0.58	TQsSASLAASYAAQQHPQAAASYR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(98.9)]	S3(Phospho): 98.88	T(1): 0.0; S(3): 98.9; S(4): 1.1; S(6): 0.0; S(10): 0.0; Y(11): 0.0; S(22): 0.0; Y(23): 0.0	AAPYRTQsSASLAAS	S3;	High	2774.309652					1	1	77.51	High	0.1282	6.281770706	High	0.0255	Yes
NP_004184.1	8729	4758416	GBF1	Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1 isoform 1 [Homo sapiens]	S1298	0.86	0.57	ADAPDAGAQsDSELPSYHQNDVSLDR	1	3	9	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [N20(98.8)]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100; N20(Deamidated): 98.77	S(10): 100.0; S(12): 0.0; S(16): 0.0; Y(17): 0.0; S(23): 0.0	APDAGAQsDSELPSY	S10;	High	3068.331963					1	1	77.51	High	0.0385	5.230907917	High	0.0363	Yes
NP_055994.2	23223	223278379	RRP12	RRP12-like protein isoform 1 [Homo sapiens]	S1080	1.12	1.05	GDSIEEILADsEDEEDNEEEER	1	3	5	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	S(3): 0.0; S(11): 100.0	IEEILADsEDEEDNE	S11;	High	2861.157077		6.32		9.4	1	2	77.39	High	0.6234	4.892285347	High	0.4765	Yes
NP_004277.2	9567	82546879	GTPBP1	GTP-binding protein 1 [Homo sapiens]	S44; S47	1.09	1.02	LHGGFDsDCsEDGEALNGEPELDLTSK	1	1	2	0	2ﾗTMT6plex [N-Term; K27]; 1ﾗCarbamidomethyl [C9]; 2ﾗPhospho [S7(100); S10(100)]	S7(Phospho): 100; S10(Phospho): 100	S(7): 100.0; S(10): 100.0; T(25): 0.0; S(26): 0.0	RLHGGFDsDCSEDGE;GGFDSDCsEDGEALN	S7; S10;	High	3510.506127					1	1	77.39	High	0.961	4.467009544	High	0.6957	Yes;Yes
NP_060716.2	55246	108936950	CCDC25	coiled-coil domain-containing protein 25 isoform 1 [Homo sapiens]	S204	1.06	0.28	VENMSSNQDGNDsDEFM	1	2	5	0	1ﾗTMT6plex [N-Term]; 2ﾗOxidation [M4(100); M17(100)]; 1ﾗPhospho [S13(100)]	M4(Oxidation): 100; S13(Phospho): 100; M17(Oxidation): 100	S(5): 0.0; S(6): 0.0; S(13): 100.0	SNQDGNDsDEFM_	S13;	High	2259.825654	17.45	116.25	26.5	48.1	2	2	77.33	High	0.7922	3.546206951	High	0.3859	Yes
NP_005219.2	1956	29725609	EGFR	epidermal growth factor receptor isoform a precursor [Homo sapiens]	S1036	1.93	2.17	TPLLsSLSATSNNSTVACIDR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C18]; 1ﾗPhospho [S5(98.7)]	S5(Phospho): 98.66	T(1): 0.0; S(5): 98.7; S(6): 1.3; S(8): 0.0; T(10): 0.0; S(11): 0.0; S(14): 0.0; T(15): 0.0	TSRTPLLsSLSATSN	S5;	High	2516.226499					1	1	77.26	High	0.1299	5.589299679	High	0.0376	No
NP_004148.1	5576	4758958	PRKAR2A	cAMP-dependent protein kinase type II-alpha regulatory subunit [Homo sapiens]	S99	0.19	1.47	RVsVCAETYNPDEEEEDTDPR	1	1	4	1	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C5]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(8): 0.0; Y(9): 0.0; T(18): 0.0	SRFNRRVsVCAETYN	S3;	High	2820.186879	247.88	1.18	74	2.4	2	2	77.04	High	0.5325	7.950964928	High	0.2604	Yes
NP_203744.1	85377	31324577	MICALL1	MICAL-like protein 1 [Homo sapiens]	S486	1.23	0.81	APSAsPLALHASR	1	1	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(3): 0.0; S(5): 100.0; S(12): 0.0	APRAPSAsPLALHAS	S5;	High	1586.825323	0.62	6.8	1.3	9.5	3	3	77.02	High	0.2727	5.357484818	High	0.097	Yes
NP_001354.1	1736	4503337	DKC1	H/ACA ribonucleoprotein complex subunit 4 isoform 1 [Homo sapiens]	S494	0.9	1.13	AGLESGAEPGDGDsDTTK	1	2	13	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S14(100)]	S14(Phospho): 99.98	S(5): 0.0; S(14): 100.0; T(16): 0.0; T(17): 0.0	AEPGDGDsDTTKKKK	S14;	High	2245.027338	8.56	8.4	19	23.7	6	6	76.99	High	0.2078	5.309346199	High	0.0584	Yes
NP_055792.1	22985	7662238	ACIN1	apoptotic chromatin condensation inducer in the nucleus isoform 1 [Homo sapiens]	S240; S243	1.22	0.74	AAKLsEGsQPAEEEEDQETPSR	1	3	2	1	2ﾗTMT6plex [N-Term; K3]; 2ﾗPhospho [S5(100); S8(100)]	S5(Phospho): 100; S8(Phospho): 100	S(5): 100.0; S(8): 100.0; T(19): 0.0; S(21): 0.0	QARAAKLsEGSQPAE;AAKLSEGsQPAEEEE	S5; S8;	High	3006.338257					1	1	76.96	High	0.7792	6.266034603	High	0.6188	Yes;Yes
NP_056464.1	26145	24308115	IRF2BP1	interferon regulatory factor 2-binding protein 1 [Homo sapiens]	S453	1.98	2.43	AGGAsPAASSTAQPPTQHR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(9): 0.0; S(10): 0.0; T(11): 0.0; T(16): 0.0	PVRAGGAsPAASSTA	S5;	High	2101.002511	10.14	20.59	28.9	80.6	2	2	76.74	High	0.4545	8.134277344	High	0.31	Yes
NP_001259004.1	9100	440918695	USP10	ubiquitin carboxyl-terminal hydrolase 10 isoform 1 [Homo sapiens]	S580	1.64	1.16	NHSVNEEEQEEQGEGsEDEWEQVGPR	1	2	5	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q22(100)]; 1ﾗPhospho [S16(100)]	S16(Phospho): 100; Q22(Deamidated): 100	S(3): 0.0; S(16): 100.0	QEEQGEGsEDEWEQV	S16;	High	3337.360362	7.3	12.92	17.1	21.5	2	2	76.71	High	0.5455	5.923875809	High	0.1351	No
NP_006512.2	7030	8659574	TFE3	transcription factor E3 isoform 1 [Homo sapiens]	S556	1.53	1.51	AASDPLLSSVsPAVSK	1	2	5	0	2ﾗTMT6plex [N-Term; K16]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	S(3): 0.0; S(8): 0.0; S(9): 0.0; S(11): 100.0; S(15): 0.0	DPLLSSVsPAVSKAS	S11;	High	2067.113908					1	1	76.68	High	0.1429	4.966673374	High	0.1026	Yes
NP_008993.1	11137	5902034	PWP1	periodic tryptophan protein 1 homolog [Homo sapiens]	S50; S57	3.12	1.71	EKLQEEGGGsDEEETGsPSEDGMQSAR	1	1	5	1	2ﾗTMT6plex [N-Term; K2]; 1ﾗOxidation [M23(100)]; 2ﾗPhospho [S10(100); S17(100)]	S10(Phospho): 100; S17(Phospho): 100; M23(Oxidation): 100	S(10): 100.0; T(15): 0.0; S(17): 100.0; S(19): 0.0; S(25): 0.0	LQEEGGGsDEEETGS;SDEEETGsPSEDGMQ	S10; S17;	High	3473.434084	6.94	35.17	31.3	102.7	2	2	76.66	High	0.1169	8.2251091	High	0.2053	Yes;Yes
NP_055792.1	22985	7662238	ACIN1	apoptotic chromatin condensation inducer in the nucleus isoform 1 [Homo sapiens]	S838	1.31	1.42	GVPAGNsDTEGGQPGR	1	5	7	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; T(9): 0.0	KGVPAGNsDTEGGQP	S7;	High	1807.817336	14	1.73	32.7	4.3	3	3	76.65	High	0.0909	4.620261192	High	0.2056	Yes
NP_073613.2	114885	19923592	OSBPL11	oxysterol-binding protein-related protein 11 [Homo sapiens]	S181	0.9	1.17	SFSLASSSNsPISQR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	S(1): 0.0; S(3): 0.0; S(6): 0.0; S(7): 0.0; S(8): 0.0; S(10): 100.0; S(13): 0.0	SLASSSNsPISQRRP	S10;	High	1876.900338	10.16	6.7	12.9	11.1	2	2	76.64	High	0.2208	7.306112289	High	0.1163	Yes
NP_006779.1	10928	5803145	RALBP1	ralA-binding protein 1 [Homo sapiens]	S92; S93	0.99	0.95	RTEGYAAFQEDssGDEAESPSK	1	1	4	1	2ﾗTMT6plex [N-Term; K22]; 2ﾗPhospho [S12(100); S13(100)]	S12(Phospho): 100; S13(Phospho): 100	T(2): 0.0; Y(5): 0.0; S(12): 100.0; S(13): 100.0; S(19): 0.0; S(21): 0.0	YAAFQEDsSGDEAES;AAFQEDSsGDEAESP	S12; S13;	High	2979.269843	13.7	15.76	19.4	21.4	2	2	76.35	High	0.5395	7.404598236	High	0.2135	Yes;Yes
NP_060633.1	55192	8922563	DNAJC17	dnaJ homolog subfamily C member 17 [Homo sapiens]	S112	1.2	1.31	QAQAQEsEEEEESR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q3(99.4)]; 1ﾗPhospho [S7(100)]	Q3(Deamidated): 99.45; S7(Phospho): 100	S(7): 100.0; S(13): 0.0	RQAQAQEsEEEEESR	S7;	High	1959.801806					1	1	76.12	High	0.0395	3.534909725	High	0.1218	Yes
NP_733793.2	9462	226958575	RASAL2	ras GTPase-activating protein nGAP isoform 2 [Homo sapiens]	S944	2.03	2.07	ASIDSsLENLSTASSR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 99.99	S(2): 0.0; S(5): 0.0; S(6): 100.0; S(11): 0.0; T(12): 0.0; S(14): 0.0; S(15): 0.0	PKASIDSsLENLSTA	S6;	High	1946.926946					1	1	75.98	High	0.1579	3.957000494	High	0.0707	No
NP_000359.1	7248	4507693	TSC1	hamartin isoform 1 [Homo sapiens]	S1080	1.07	0.49	WETTMGEASASIPTTVGsLPSSK	1	3	2	0	2ﾗTMT6plex [N-Term; K23]; 1ﾗOxidation [M5(100)]; 1ﾗPhospho [S18(100)]	M5(Oxidation): 100; S18(Phospho): 100	T(3): 0.0; T(4): 0.0; S(9): 0.0; S(11): 0.0; T(14): 0.0; T(15): 0.0; S(18): 100.0; S(21): 0.0; S(22): 0.0	SIPTTVGsLPSSKSF	S18;	High	2891.414977					1	1	75.86	High	0.2632	6.547076225	High	0.1115	No
NP_001272368.1	253260	550544217	RICTOR	rapamycin-insensitive companion of mTOR isoform 2 [Homo sapiens]	S1219	0.73	0.98	SQsFNTDTTTSGISSMSSSPSR	1	3	3	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M16(100)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100; M16(Oxidation): 100	S(1): 0.0; S(3): 100.0; T(6): 0.0; T(8): 0.0; T(9): 0.0; T(10): 0.0; S(11): 0.0; S(14): 0.0; S(15): 0.0; S(17): 0.0; S(18): 0.0; S(19): 0.0; S(21): 0.0	HMKIRSQsFNTDTTT	S3;	High	2590.117737					1	1	75.71	High	0.1579	5.864933968	High	0.0119	Yes
NP_002895.3	7936	14670268	NELFE	negative elongation factor E [Homo sapiens]	S115	2.36	2.95	SIsADDDLQESSR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(11): 0.0; S(12): 0.0	QPFQRSIsADDDLQE	S3;	High	1731.76357	2.28	4.18	7.6	17.6	2	2	75.64	High	0.2632	4.210837364	High	0.1615	Yes
NP_031370.2	7270	33356179	TTF1	transcription termination factor 1 isoform 1 [Homo sapiens]	S487	1.09	0.93	YLSADSGDADDsDADLGSAVK	1	1	2	0	2ﾗTMT6plex [N-Term; K21]; 1ﾗPhospho [S12(100)]	S12(Phospho): 100	Y(1): 0.0; S(3): 0.0; S(6): 0.0; S(12): 100.0; S(18): 0.0	DSGDADDsDADLGSA	S12;	High	2610.186023					1	1	75.43	High	0.4667	4.934571743	High	0.2434	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_001254507.1	26092	389886539	TOR1AIP1	torsin-1A-interacting protein 1 isoform 1 [Homo sapiens]	S156; S157	1.27	0.9	GLRDSHsSEEDEASSQTDLSQTISK	1	2	2	1	2×TMT6plex [N-Term; K25]; 2×Phospho [S7(100); S8(100)]	S7(Phospho): 100; S8(Phospho): 100	S(5): 0.0; S(7): 100.0; S(8): 100.0; S(14): 0.0; S(15): 0.0; T(17): 0.0; S(20): 0.0; T(22): 0.0; S(24): 0.0	RGLRDSHsSEEDEAS;GLRDSHSsEEDEASS	S7; S8;	High	3325.48744					1	1	75.41	High	0.3733	4.384304047	High	0.0982	Yes;Yes
NP_055681.1	9919	124378039	SEC16A	protein transport protein Sec16A isoform 1 [Homo sapiens]	S569	1.52	1.2	QIDSsPVGGETDETTVSQNYR	1	2	7	0	1×TMT6plex [N-Term]; 1×Phospho [S5(98.7)]	S5(Phospho): 98.72	S(4): 1.3; S(5): 98.7; T(11): 0.0; T(14): 0.0; T(15): 0.0; S(17): 0.0; Y(20): 0.0	FFKQIDSsPVGGETD	S5;	High	2592.166401	21.93	27.1	49.9	48.6	2	2	75.33	High	0.5733	5.940416813	High	0.0118	Yes
NP_001008212.1	10133	56549107	OPTN	optineurin [Homo sapiens]	S177	2.19	1.38	LNSSGSSEDsFVEIR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S10(100)]	S10(Phospho): 100	S(3): 0.0; S(4): 0.0; S(6): 0.0; S(7): 0.0; S(10): 100.0	SSGSSEDsFVEIRMA	S10;	High	1935.889833					1	1	75.18	High	0.2533	4.922507763	High	0.1118	Yes
NP_009149.2	11236	21314654	RNF139	E3 ubiquitin-protein ligase RNF139 [Homo sapiens]	T663	1.05	1.09	NGVIQHTGAAAEEFNDDtD	1	1	2	0	1×TMT6plex [N-Term]; 1×Deamidated [N1(100)]; 1×Phospho [T18(100)]	N1(Deamidated): 100; T18(Phospho): 100	T(7): 0.0; T(18): 100.0	AEEFNDDtD_	T18;	High	2313.970996					1	1	75.14	High	0.3733	3.204868078	High	0.2156	Yes
NP_002102.4	3064	90903231	HTT	huntingtin [Homo sapiens]	S434	0.74	4.88	SGSIVELIAGGGSSCsPVLSR	1	1	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C15]; 1×Phospho [S16(100)]	S16(Phospho): 100	S(1): 0.0; S(3): 0.0; S(13): 0.0; S(14): 0.0; S(16): 100.0; S(20): 0.0	AGGGSSCsPVLSRKQ	S16;	High	2342.162443					1	1	75.11	High	0.2667	6.828433037	High	0.0586	No
NP_705694.2	3860	131412225	KRT13	keratin, type I cytoskeletal 13 isoform a [Homo sapiens]	S427	0.17	9.45	MIGFPSSAGSVsPR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S12(100)]	S12(Phospho): 100	S(6): 0.0; S(7): 0.0; S(10): 0.0; S(12): 100.0	PSSAGSVsPRSTSVT	S12;	High	1701.823274					1	1	75.07	High	0.3333	3.430416107	High	0.1108	Yes
NP_002107.3	3105	24797067	HLA-A	HLA class I histocompatibility antigen, A-1 alpha chain precursor [Homo sapiens]	S356; S359	0.6	1.18	GGSYTQAASSDSAQGsDVsLTACKV	1	2	2	1	2×TMT6plex [N-Term; K24]; 1×Carbamidomethyl [C23]; 2×Phospho [S16(100); S19(100)]	S16(Phospho): 100; S19(Phospho): 99.97	S(3): 0.0; Y(4): 0.0; T(5): 0.0; S(9): 0.0; S(10): 0.0; S(12): 0.0; S(16): 100.0; S(19): 100.0; T(21): 0.0	SSDSAQGsDVSLTAC;SAQGSDVsLTACKV_	S16; S19;	High	3065.357613					1	1	75.02	High	0.24	4.755494595	High	0.2983	Yes;Yes
NP_001273510.1	57661	557440888	PHRF1	PHD and RING finger domain-containing protein 1 isoform 1 [Homo sapiens]	S915	1.21	1.4	GAVAAEGAsDTEREEPTESQGLAAR	1	4	11	1	1×TMT6plex [N-Term]; 1×Phospho [S9(98.5)]	S9(Phospho): 99.95	S(9): 100.0; T(11): 0.1; T(17): 0.0; S(19): 0.0	AVAAEGAsDTEREEP	S9;	High	2811.29954	13.99	6.4	34.9	18	4	4	74.93	High	0.0267	8.1413908	High	0.0356	Yes
NP_115543.3	92017	343780938	SNX29	sorting nexin-29 [Homo sapiens]	S810	0.78	0.69	NVEPQsGDL	1	1	2	0	1×TMT6plex [N-Term]; 1×Deamidated [Q5(100)]; 1×Phospho [S6(100)]	Q5(Deamidated): 100; S6(Phospho): 100	S(6): 100.0	TRNVEPQsGDL_	S6;	High	1268.560895					1	1	74.93	High	0.6267	3.053755522	High	0.1541	Yes
NP_036218.1	9330	6912398	GTF3C3	general transcription factor 3C polypeptide 3 isoform 1 [Homo sapiens]	S43	1.98	1.35	GKLsAEENPDDSEVPSSSGINSTK	1	2	4	1	3×TMT6plex [N-Term; K2; K24]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(12): 0.0; S(16): 0.0; S(17): 0.0; S(18): 0.0; S(22): 0.0; T(23): 0.0	LQEKGKLsAEENPDD	S4;	High	3215.592373	4.65	14.22	13.1	27.7	2	2	74.88	High	0.5067	6.39249754	High	0.2786	Yes
NP_001191354.1	100533467	324715041	BIVM-ERCC5	BIVM-ERCC5 protein [Homo sapiens]	S838	0.94	0.67	NAPAAVDEGSIsPR	1	2	8	0	1×TMT6plex [N-Term]; 1×Phospho [S12(100)]	S12(Phospho): 100	S(10): 0.0; S(12): 100.0	AVDEGSIsPRTLSAI	S12;	High	1692.815546	15.44	6.79	29.8	9.1	4	4	74.85	High	0.2267	5.441481113	High	0.0827	No
NP_006087.2	10397	37655183	NDRG1	protein NDRG1 isoform 1 [Homo sapiens]	S330	0.94	0.71	TAsGSSVTSLDGTR	1	3	21	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	T(1): 0.0; S(3): 100.0; S(5): 0.0; S(6): 0.0; T(8): 0.0; S(9): 0.0; T(13): 0.0	LMRSRTAsGSSVTSL	S3;	High	1647.778826	5.91	17.72	14.8	34.1	7	7	74.84	High	0.08	4.870026112	High	0.0287	Yes
NP_001135452.1	7158	213972636	TP53BP1	tumor suppressor p53-binding protein 1 isoform 1 [Homo sapiens]	S557	0.77	10.68	IDEDGENTQIEDTEPMsPVLNSK	1	3	2	0	2×TMT6plex [N-Term; K23]; 1×Oxidation [M16(100)]; 1×Phospho [S17(100)]	M16(Oxidation): 100; S17(Phospho): 100	T(8): 0.0; T(13): 0.0; S(17): 100.0; S(22): 0.0	IEDTEPMsPVLNSKF	S17;	High	3115.443042					1	1	74.79	High	0.32	5.593358517	High	0.1896	No
NP_001269030.1	10413	530788252	YAP1	yorkie homolog isoform 9 [Homo sapiens]	S371	1.86	0.56	SQLPTLEQDGGTQNPVSsPGMSQELR	1	9	4	0	1×TMT6plex [N-Term]; 1×Oxidation [M21(100)]; 1×Phospho [S18(97.2)]	S18(Phospho): 97.22; M21(Oxidation): 100	S(1): 0.0; T(5): 0.0; T(12): 0.0; S(17): 2.8; S(18): 97.2; S(22): 0.0	GTQNPVSsPGMSQEL	S18;	High	3081.439739					1	1	74.59	High	0.2267	4.997085571	High	0.016	No
NP_001243806.1	23189	379056376	KANK1	KN motif and ankyrin repeat domain-containing protein 1 isoform a [Homo sapiens]	S325	0.61	0.88	SYsAGNASQLEQLSR	1	2	6	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; Y(2): 0.0; S(3): 100.0; S(8): 0.0; S(14): 0.0	GVRKRSYsAGNASQL	S3;	High	1919.906151					1	1	74.56	High	0.3733	4.275449753	High	0.1005	Yes
NP_001129611.1	6929	209915594	TCF3	transcription factor E2-alpha isoform E47 [Homo sapiens]	S379	1.25	1.49	AGAPGALsPSYDGGLHGLOSK	1	2	2	0	2×TMT6plex [N-Term; K21]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; S(10): 0.0; Y(11): 0.0; S(20): 0.0	AGAPGALsPSYDGGL	S8;	High	2521.285224					1	1	74.54	High	0.1867	6.702617645	High	0.0687	Yes
NP_001258928.1	85440	431822375	DOCK7	dedicator of cytokinesis protein 7 isoform 1 [Homo sapiens]	S896	2.95	1.47	SRsLSNSNPDISGTPTSPDDEVR	1	4	4	1	1×TMT6plex [N-Term]; 1×Phospho [S3(98.8)]	S3(Phospho): 98.83	S(1): 1.2; S(3): 98.8; S(5): 0.0; S(7): 0.0; S(12): 0.0; T(14): 0.0; T(16): 0.0; S(17): 0.0	LNLNRSRsLSNSNPD	S3;	High	2740.262427					1	1	74.2	High	0.0676	6.524405003	High	0.0092	Yes
NP_037425.1	29896	9558733	TRA2A	transformer-2 protein homolog alpha isoform 1 [Homo sapiens]	T202	2.21	0.49	AHtPTPGIYMGRPTHSGGGGGGGGGGGGGGGR	1	3	4	0	1×TMT6plex [N-Term]; 1×Oxidation [M10(100)]; 1×Phospho [T3(100)]	T3(Phospho): 100; M10(Oxidation): 100	T(3): 100.0; T(5): 0.0; Y(9): 0.0; T(14): 0.0; S(16): 0.0	SITKRAHtPTPGIYM	T3;	High	3116.406757	1.74	36.43	5.4	25.5	2	2	74.12	High	0.2568	8.882536888	High	0.0732	Yes
NP_659477.2	112464	47132587	PRKCDBP	protein kinase C delta-binding protein [Homo sapiens]	S165; S166	0.2	0.87	APEPLGPADQSELGPEQLEAEVGEssDEEPVESR	1	1	6	0	1×TMT6plex [N-Term]; 1×Deamidated [Q]; 2×Phospho [S25(100); S26(100)]	Q10(Deamidated): 50; Q17(Deamidated): 50; S25(Phospho): 100; S26(Phospho): 100	S(11): 0.0; S(25): 100.0; S(26): 100.0; S(33): 0.0	LEAEVGEsSDEEPVE;EAEVGESsDEEPVES	S25; S26;	High	3967.709624					1	1	74.04	High	0.1351	4.810415268	High	0.1164	Yes;Yes
NP_031389.3	4841	34932414	NONO	non-POU domain-containing octamer-binding protein isoform 1 [Homo sapiens]	T450	1.03	0.84	FGQAATMEGIGAIGGtPPAFNR	1	2	4	0	1×TMT6plex [N-Term]; 1×Oxidation [M7(100)]; 1×Phospho [T16(100)]	M7(Oxidation): 100; T16(Phospho): 100	T(6): 0.0; T(16): 100.0	GIGAIGGtPPAFNRA	T16;	High	2488.189326	74.66		150.8		2	1	74.03	High	0.7432	6.643787861	High	0.3765	Yes
NP_001017368.1	117584	62865649	RFFL	E3 ubiquitin-protein ligase rififylin [Homo sapiens]	S240	0.89	1.57	RAsLSDLTDLEDIEGLTVR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; S(5): 0.0; T(8): 0.0; T(17): 0.0	FVPGRRAsLSDLTDL	S3;	High	2412.222066					1	1	73.96	High	0.1216	6.707014084	High	0.0596	Yes
NP_112211.1	81706	19311006	PPP1R14C	protein phosphatase 1 regulatory subunit 14C [Homo sapiens]	S33	0.22	0.45	GGAGGsPGSSSGSGSSR	1	1	5	0	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(9): 0.0; S(10): 0.0; S(11): 0.0; S(13): 0.0; S(15): 0.0; S(16): 0.0	PRGGAGGsPGSSSGS	S6;	High	1660.712537	67.48	8.21	21.2	5.3	2	2	73.94	High	0.1622	3.758486986	High	0.0957	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	S230	0.78	0.72	HYEDGYPGGSDNYGsLSR	1	15	19	0	1×TMT6plex [N-Term]; 1×Phospho [S15(100)]	S15(Phospho): 99.99	Y(2): 0.0; Y(6): 0.0; S(10): 0.0; Y(13): 0.0; S(15): 100.0; S(17): 0.0	GGSDNYGsLSRVTRI	S15;	High	2282.955286	14.89	25.06	28.8	46.1	6	6	73.88	High	0.1216	5.877226353	High	0.0408	Yes
NP_060497.3	55691	116063562	FRMD4A	FERM domain-containing protein 4A [Homo sapiens]	S800	0.81	1.01	AAGALGSASSGsMPNLAAR	1	1	10	0	1×TMT6plex [N-Term]; 1×Oxidation [M13(100)]; 1×Phospho [S12(100)]	S12(Phospho): 100; M13(Oxidation): 100	S(7): 0.0; S(9): 0.0; S(10): 0.0; S(12): 100.0	LGSASSGsMPNLAAR	S12;	High	2013.962621	50.56	48.52	63.3	79	2	2	73.87	High	0.0676	6.281979084	High	0.0971	Yes
NP_009134.1	445815	6005709	PALM2-AKAP2	PALM2-AKAP2 protein isoform 1 [Homo sapiens]	S624	1.28	1.28	GQKsPGALETPSAAGSQGNTASQGK	1	5	5	1	3×TMT6plex [N-Term; K3; K25]; 1×Deamidated [Q23(99)]; 1×Phospho [S4(100)]	S4(Phospho): 100; Q23(Deamidated): 99	S(4): 100.0; T(10): 0.0; S(12): 0.0; S(16): 0.0; T(20): 0.0; S(22): 0.0	SAAKGQKsPGALETP	S4;	High	3097.576998					1	1	73.81	High	0.0811	9.143958092	High	0.0175	No
NP_001107018.1	51474	165905589	LIMA1	LIM domain and actin-binding protein 1 isoform 1 [Homo sapiens]	S687	0.72	0.9	EGHSLEMENENLVENGADsDEDDNSFLK	1	4	7	0	2×TMT6plex [N-Term; K28]; 1×Oxidation [M7(100)]; 1×Phospho [S19(100)]	M7(Oxidation): 100; S19(Phospho): 100	S(4): 0.0; S(19): 100.0; S(25): 0.0	LVENGADsDEDDNSF	S19;	High	3691.599496	1.53	12.05	1.6	18.8	2	3	73.81	High	0.4054	5.850259781	High	0.1829	No
NP_620581.1	1432	20986512	MAPK14	mitogen-activated protein kinase 14 isoform 2 [Homo sapiens]	T180; Y182	2.32	0.98	HTDDEMtGyVATR	1	4	3	0	1×TMT6plex [N-Term]; 1×Oxidation [M6(100)]; 2×Phospho [T7(100); Y9(98.2)]	M6(Oxidation): 100; T7(Phospho): 100; Y9(Phospho): 98.16	T(2): 0.0; T(7): 100.0; Y(9): 98.2; T(12): 1.8	RHTDDEMtGYVATRW;TDDEMTGyVATRWYR	T7; Y9;	High	1900.738692					1	1	73.74	High	0.7432	5.734270096	High	0.164	Yes;Yes
NP_071904.4	64328	148886661	XPO4	exportin-4 [Homo sapiens]	S521	1.44	1.09	HQQQLLAsPGSSTVDNK	1	1	4	0	2×TMT6plex [N-Term; K17]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; S(11): 0.0; S(12): 0.0; T(13): 0.0	HQQQLLAsPGSSTVD	S8;	High	2348.20116	5.1	11.43	10.4	17.7	2	2	73.69	High	0.473	6.106694221	High	0.18	Yes
NP_001058.2	7153	19913406	TOP2A	DNA topoisomerase 2-alpha [Homo sapiens]	S1525	0.49	0.55	YLEEsDEDDLF	1	1	6	0	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	Y(1): 0.0; S(5): 100.0	PIKYLEEsDEDDLF_	S5;	High	1683.687611	10.74	23.59	7.5	18.6	2	2	73.67	High	1	3.560317755	High	0.4017	Yes
NP_001254507.1	26092	389886539	TOR1AIP1	torsin-1A-interacting protein 1 isoform 1 [Homo sapiens]	T221	0.85	0.91	VNFSEEGEtEEDDQDSSHSSVTTVK	1	2	6	0	2×TMT6plex [N-Term; K25]; 1×Phospho [T9(100)]	T9(Phospho): 100	S(4): 0.0; T(9): 100.0; S(16): 0.0; S(17): 0.0; S(19): 0.0; S(20): 0.0; T(22): 0.0; T(23): 0.0	NFSEEGEtEEDDQDS	T9;	High	3294.457506	5.34	9.32	7.9	14.7	3	3	73.65	High	0.1892	7.333010197	High	0.1569	No
NP_001894.2	1495	55770844	CTNNA1	catenin alpha-1 isoform 1 [Homo sapiens]	S641	0.65	0.68	TPEELDDsDFETEDFDVR	1	5	14	0	1×TMT6plex [N-Term]; 1×Phospho [S8(100)]	S8(Phospho): 100	T(1): 0.0; S(8): 100.0; T(12): 0.0	TPEELDDsDFETEDF	S8;	High	2468.022757	22.62	37.58	33.9	54.5	5	4	73.64	High	0.2838	5.97567606	High	0.311	Yes
NP_001072989.1	3895	118498356	KTN1	kinectin isoform a [Homo sapiens]	S75	0.95	0.7	EIQNGNLHEsDSESVPR	1	4	40	0	1×TMT6plex [N-Term]; 1×Deamidated [N4(100)]; 1×Phospho [S10(100)]	N4(Deamidated): 99.36; S10(Phospho): 100	S(10): 100.0; S(12): 0.0; S(14): 0.0	QNGNLHEsDSESVPR	S10;	High	2220.997152	28.68	35.87	66.7	61.1	5	5	73.59	High	0.0405	6.486356258	High	0.0169	Yes
NP_001032726.1	689	83641885	BTF3	transcription factor BTF3 isoform A [Homo sapiens]	S158	2.7	1.78	QLTEMLPSILNQLGADsLTSLR	1	2	2	0	1×TMT6plex [N-Term]; 1×Oxidation [M5(100)]; 1×Phospho [S17(100)]	M5(Oxidation): 100; S17(Phospho): 100	T(3): 0.0; S(8): 0.0; S(17): 100.0; T(19): 0.0; S(20): 0.0	LNQLGADsLTSLRRL	S17;	High	2725.404464					1	1	73.49	High	0.1644	6.490316868	High	0.0647	Yes
NP_000517.2	3861	15431310	KRT14	keratin, type I cytoskeletal 14 [Homo sapiens]	S51	0.1	0.07	APSTYGGGLsVSSSR	1	1	27	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S10(Phospho): 100	S(3): 0.0; T(4): 0.0; Y(5): 0.0; S(10): 100.0; S(12): 0.0; S(13): 0.0; S(14): 0.0	STYGGGLsVSSSRFS	S10;	High	1734.82611	225.19	627.64	67.2	127.2	7	5	73.49	High	0.2466	5.914711475	High	0.0288	No
NP_061877.1	54467	148596953	ANKIB1	ankyrin repeat and IBR domain-containing protein 1 [Homo sapiens]	S737	0.93	1.02	GVAPADsPEAPR	1	1	4	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	RGVAPADsPEAPRRS	S7;	High	1475.70929	24.08	7.59	32.4	11	2	2	73.46	High	0.9041	4.48592329	High	0.5947	Yes
NP_001615.2	202	728798446	AIM1	absent in melanoma 1 protein [Homo sapiens]	S22	0.35	0.58	STDsPGADAELPESAAR	1	1	6	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; T(2): 0.0; S(4): 100.0; S(14): 0.0	GSQKSTDsPGADAEL	S4;	High	1982.890561					1	1	73.44	High	0.0548	2.945915937	High	0.1322	Yes
NP_055799.2	22994	111955084	CEP131	centrosomal protein of 131 kDa isoform a [Homo sapiens]	S496	1.32	1.78	YAWASEEDDASsLTADNLEK	1	2	4	0	2×TMT6plex [N-Term; K20]; 1×Phospho [S12(97.9)]	S12(Phospho): 97.92	Y(1): 0.0; S(5): 0.0; S(11): 1.0; S(12): 97.9; T(14): 1.0	SEEDDASsLTADNLE	S12;	High	2753.259522					1	1	73.39	High	0.137	3.469403267	High	0.0029	Yes
NP_001234926.1	6249	351542242	CLIP1	CAP-Gly domain-containing linker protein 1 isoform c [Homo sapiens]	S195	0.54	0.33	TASEsISNLSEAGSIK	1	3	10	0	2×TMT6plex [N-Term; K16]; 1×Phospho [S5(100)]	S5(Phospho): 100	T(1): 0.0; S(3): 0.0; S(5): 100.0; S(7): 0.0; S(10): 0.0; S(14): 0.0	LTKTASEsISNLSEA	S5;	High	2132.088816	29.59	12.28	28.3	7.1	3	3	73.36	High	0.3014	4.98938036	High	0.0321	Yes
NP_001035207.1	116985	92091600	ARAP1	arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1 isoform c [Homo sapiens]	S229	1.07	0.77	LFPEFDDsDYDEVPEEGPGAPAR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; Y(10): 0.0	LFPEFDDsDYDEVPE	S8;	High	2861.239232					1	1	73.33	High	0.2877	5.220981121	High	0.1264	Yes
NP_001230106.1	226	342187211	ALDOA	fructose-bisphosphate aldolase A isoform 2 [Homo sapiens]	S90	1.59	1.79	GILAADEsTGSIAK	1	2	7	0	2×TMT6plex [N-Term; K14]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; T(9): 0.0; S(11): 0.0	GILAADEsTGSIAKR	S8;	High	1870.992731	2.82	1.06	6.4	2.7	2	2	73.13	High	0.2192	3.313877821	High	0.0121	No
NP_004095.4	2194	41872631	FASN	fatty acid synthase [Homo sapiens]	T2204	0.73	1.3	ADEASELACPtPKEDGLAQQQTQLNLR	1	1	3	1	2×TMT6plex [N-Term; K13]; 1×Carbamidomethyl [C9]; 1×Phospho [T11(100)]	T11(Phospho): 100	S(5): 0.0; T(11): 100.0; T(22): 0.0	ASELACPtPKEDGLA	T11;	High	3521.734748	1.21	19.16	1.3	36.4	2	2	72.85	High	0.411	6.40500164	High	0.248	Yes
NP_055990.1	23218	149944548	NBEAL2	neurobeachin-like protein 2 [Homo sapiens]	S2739	0.98	1.06	RIsQVSSGETEYNPTEAR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; S(7): 0.0; T(10): 0.0; Y(12): 0.0; T(15): 0.0	WRSSRRIsQVSSGET	S3;	High	2333.097199					1	1	72.7	High	0.274	5.78373909	High	0.1349	Yes
NP_113584.3	10075	61676188	HUWE1	E3 ubiquitin-protein ligase HUWE1 [Homo sapiens]	S1907	0.49	0.66	GSGTAsDDEFENLR	1	1	2	0	1×TMT6plex [N-Term]; 1×Deamidated [N12(100)]; 1×Phospho [S6(100)]	S6(Phospho): 100; N12(Deamidated): 100	S(2): 0.0; T(4): 0.0; S(6): 100.0	PRGSGTAsDDEFENL	S6;	High	1807.758485					1	1	72.55	High	0.1781	3.130327225	High	0.0799	Yes
NP_001152759.1	7167	226529917	TPI1	triosephosphate isomerase isoform 2 [Homo sapiens]	S58	1.09	1.47	KQsLGELIGTLNAAK	1	2	2	1	3×TMT6plex [N-Term; K15; K]; 1×Deamidated [N12(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; N12(Deamidated): 100	S(3): 100.0; T(10): 0.0	KMNGRKQsLGELIGT	S3;	High	2311.324125					1	1	72.53	High	0.8082	5.151096821	High	0.3845	Yes
NP_005091.2	9590	21493022	AKAP12	A-kinase anchor protein 12 isoform 1 [Homo sapiens]	S598	2.28	2.74	GLAEVQQDGEAEEGATsDGEK	1	2	12	0	2×TMT6plex [N-Term; K21]; 1×Phospho [S17(100)]	S17(Phospho): 99.98	T(16): 0.0; S(17): 100.0	EAEEGATsDGEKKRE	S17;	High	2658.218386	24.6	15.88	125.6	87.4	3	3	72.47	High	0.9861	5.364284039	High	0.0373	Yes
NP_004492.2	3192	14141161	HNRNPU	heterogeneous nuclear ribonucleoprotein U isoform b [Homo sapiens]	S59	1.58	0.96	LQAALDDEEAGGRPAMEPGNGsLDLGGDSAGR	1	2	3	0	1×TMT6plex [N-Term]; 1×Oxidation [M16(100)]; 1×Phospho [S22(100)]	M16(Oxidation): 100; S22(Phospho): 100	S(22): 100.0; S(29): 0.0	AMEPGNGsLDLGGDS	S22;	High	3451.563436	5.73	5.82	12.9	7.9	2	2	72.46	High	0.5139	8.219091415	High	0.1898	Yes
NP_060498.2	55095	55742695	SAMD4B	protein Smaug homolog 2 isoform a [Homo sapiens]	S271	4.46	1.94	AAFTTPDHAPLsPQSSVASSGSEQTEEQGSSR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S12(100)]	S12(Phospho): 100	T(4): 0.0; T(5): 0.0; S(12): 100.0; S(15): 0.0; S(16): 0.0; S(19): 0.0; S(20): 0.0; S(22): 0.0; T(25): 0.0; S(30): 0.0; S(31): 0.0	TPDHAPLsPQSSVAS	S12;	High	3555.607409					1	1	72.44	High	0.1389	6.152970791	High	0.0618	Yes
NP_004847.2	9493	6754472	KIF23	kinesin-like protein KIF23 isoform 2 [Homo sapiens]	S763	2.33	0.75	YMLTHQELAsDGEIETK	1	2	2	0	2×TMT6plex [N-Term; K17]; 1×Oxidation [M2(100)]; 1×Phospho [S10(100)]	M2(Oxidation): 100; S10(Phospho): 100	Y(1): 0.0; T(4): 0.0; S(10): 100.0; T(16): 0.0	LTHQELAsDGEIETK	S10;	High	2519.214093					1	1	72.32	High	0.6944	5.712995052	High	0.1874	No
NP_858045.1	8202	32307126	NCOA3	nuclear receptor coactivator 3 isoform a [Homo sapiens]	S857	2.35	2.33	AVsLDSPVSVGSSPPVK	1	4	6	0	2×TMT6plex [N-Term; K17]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; S(9): 0.0; S(12): 0.0; S(13): 0.0	PPYNRAVsLDSPVSV	S3;	High	2164.166672	3.89	6.4	15.9	26.3	3	3	72.3	High	0.375	6.167712688	High	0.0616	Yes
NP_005477.2	10040	191252812	TOM1L1	TOM1-like protein 1 [Homo sapiens]	S323	1.05	1.43	EATNTTSEPSAPSQDLLDLSPsPR	1	1	4	0	1×TMT6plex [N-Term]; 1×Phospho [S22(100)]	S22(Phospho): 100	T(3): 0.0; T(5): 0.0; T(6): 0.0; S(7): 0.0; S(10): 0.0; S(13): 0.0; S(20): 0.0; S(22): 100.0	DLLDLSPsPRMPRAT	S22;	High	2822.329444	36.32	6.77	58.1	13.7	2	2	72.22	High	0.1667	6.851318359	High	0.0818	Yes
NP_001258928.1	85440	431822375	DOCK7	dedicator of cytokinesis protein 7 isoform 1 [Homo sapiens]	S1429	0.57	0.97	SPSGSAFGsQENLR	1	4	9	0	1×TMT6plex [N-Term]; 1×Phospho [S9(100)]	S9(Phospho): 100	S(1): 0.0; S(3): 0.0; S(5): 0.0; S(9): 100.0	PSGSAFGsQENLRWR	S9;	High	1745.805709	62.48	42.97	80.7	100.9	4	4	72.22	High	0.5833	5.421844482	High	0.3985	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_005106.2	9961	19913412	MVP	major vault protein isoform 1 [Homo sapiens]	S873	0.88		VASGPSPGEGIsPQSAQAPQAPGDNHVVPVLR	1	3	2	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S12(100)]	S12(Phospho): 100	S(3): 0.0; S(6): 0.0; S(12): 100.0; S(15): 0.0	PSPGEGIsPQSAQAP	S12;	High	3428.716112					1		72.11	High	0.1667	4.649393559	High	0.0688	Yes
NP_057404.2	4928	21264365	NUP98	nuclear pore complex protein Nup98-Nup96 isoform 1 [Homo sapiens]	S595	0.38	3.14	NLNNSNLFsPVNR	1	4	4	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S9(100)]	S9(Phospho): 100	S(5): 0.0; S(9): 100.0	LNNSNLFsPVNRDSE	S9;	High	1797.884628	166.94	4.57	113.2	20.5	2	2	72.09	High	0.5972	4.472584248	High	0.3624	Yes
NP_008993.1	11137	5902034	PWP1	periodic tryptophan protein 1 homolog [Homo sapiens]	S50	2.35	3.17	EKLQEEGGGsDEEETGSPSEDGMQSAR	1	1	12	1	2ヺTMT6plex [N-Term; K2]; 1ヺOxidation [M23(100)]; 1ヺPhospho [S10(100)]	S10(Phospho): 100; M23(Oxidation): 100	S(10): 100.0; T(15): 0.0; S(17): 0.0; S(19): 0.0; S(25): 0.0	LQEEGGGsDEEETGS	S10;	High	3393.467753	13.74	14.71	82.5	140.1	5	5	72	High	0.3472	6.462816715	High	0.2183	Yes
NP_079436.4	80232	264681558	WDR26	WD repeat-containing protein 26 isoform a [Homo sapiens]	S121	1.12	1.21	RLsQSDEDVIR	1	2	4	1	1ヺTMT6plex [N-Term]; 1ヺPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0	LKKKKRLsQSDEDVI	S3;	High	1626.804981	8.19	5.44	13	9.3	2	2	72	High	0.3889	5.507009506	High	0.1379	Yes
NP_001135746.1	23332	214010175	CLASP1	CLIP-associating protein 1 isoform 3 [Homo sapiens]	S600	0.65	0.55	SRsDIDVNAAASAK	1	4	6	1	2ヺTMT6plex [N-Term; K14]; 1ヺPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(12): 0.0	GSLQRSRsDIDVNAA	S3;	High	1942.999941	23.01	9.25	21.4	7.2	2	2	71.98	High	0.9722	7.747668266	High	0.04	Yes
NP_613258.2	9555	93141018	H2AFY	core histone macro-H2A.1 isoform 3 [Homo sapiens]	S173	0.42	0.51	AASADsTTEGTPADGFTVLSTK	1	3	10	0	2ヺTMT6plex [N-Term; K22]; 1ヺPhospho [S6(100)]	S6(Phospho): 99.96	S(3): 0.0; S(6): 100.0; T(7): 0.0; T(8): 0.0; T(11): 0.0; T(17): 0.0; S(20): 0.0; T(21): 0.0	SKAASADsTTEGTPA	S6;	High	2665.300993	130.54	11	90.9	8	2	2	71.96	High	0.2361	5.529044628	High	0.0307	Yes
NP_004184.1	8729	4758416	GBF1	Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1 isoform 1 [Homo sapiens]	S1789	0.83	1.49	AASSSSPGSPVASsPSR	1	3	11	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S14(99.2)]	S14(Phospho): 99.21	S(3): 0.0; S(4): 0.0; S(5): 0.0; S(6): 0.0; S(9): 0.0; S(13): 0.8; S(14): 99.2; S(16): 0.0	PGSPVASsPSRLSPT	S14;	High	1840.863952	2.89	4.9	4.2	12.7	3	3	71.85	High	0.0417	3.76043272	High	0.125	Yes
NP_085148.1	80851	24308303	SH3BP5L	SH3 domain-binding protein 5-like [Homo sapiens]	S362	1.39	1.33	GLSDHVsLDGQELGTR	1	1	7	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S7(100)]	S7(Phospho): 100	S(3): 0.0; S(7): 100.0; T(15): 0.0	RGLSDHVsLDGQELG	S7;	High	1992.958915	1.82	5.47	4.4	12.6	3	3	71.83	High	0.375	5.427090645	High	0.3149	Yes
NP_958431.2	23164	50980301	MPRIP	myosin phosphatase Rho-interacting protein isoform 2 [Homo sapiens]	S891	1.09	1.55	TLLTGDGGGEATGsPLAQGK	1	2	2	0	2ヺTMT6plex [N-Term; K20]; 1ヺPhospho [S14(100)]	S14(Phospho): 100	T(1): 0.0; T(4): 0.0; T(12): 0.0; S(14): 100.0	GGGEATGsPLAQGKD	S14;	High	2368.216141					1	1	71.81	High	0.2083	4.171818733	High	0.1415	Yes
NP_004636.1	8161	4758024	COIL	coilin [Homo sapiens]	S566	0.93	1.31	LIIEsPSNTSSTEPA	1	1	11	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(7): 0.0; T(9): 0.0; S(10): 0.0; S(11): 0.0; T(12): 0.0	DPRLIIEsPSNTSST	S5;	High	1854.893521	18.12	2.78	24.2	5.2	2	2	71.78	High	0.2639	3.439856052	High	0.0727	Yes
NP_443111.4	113251	283046701	LARP4	la-related protein 4 isoform a [Homo sapiens]	S597	1.64	2.09	ASTAsPCNNNINAATAVALQEPR	1	5	13	0	1ヺTMT6plex [N-Term]; 1ヺCarbamidomethyl [C7]; 1ヺDeamidated [N12(100)]; 1ヺPhospho [S5(100)]	S5(Phospho): 99.98; N12(Deamidated): 100	S(2): 0.0; T(3): 0.0; S(5): 100.0; T(15): 0.0	PSRASTAsPCNNNIN	S5;	High	2680.259925	10.3	14.58	24.2	45.1	2	2	71.69	High	0.0278	6.499311924	High	0.0262	Yes
NP_001009999.1	23028	58761544	KDM1A	lysine-specific histone demethylase 1A isoform a [Homo sapiens]	S873	0.81	0.78	QATPGVPAQQsPSM	1	2	2	0	1ヺTMT6plex [N-Term]; 1ヺOxidation [M14(100)]; 1ヺPhospho [S11(100)]	S11(Phospho): 100; M14(Oxidation): 100	T(3): 0.0; S(11): 100.0; S(13): 0.0	PGVPAQQsPSM_	S11;	High	1723.792368					1	1	71.65	High	0.2778	3.874484539	High	0.1499	No
NP_001129047.1	221710	207440661	SMIM13	small integral membrane protein 13 [Homo sapiens]	S58	1.48	1.11	ELVGDTGSQEGDHEPsGSETEEDTSSSPHR	1	1	6	0	1ヺTMT6plex [N-Term]; 2ヺPhospho [S16(100); S/T]	S16(Phospho): 99.97; S18(Phospho): 50.01; T20(Phospho): 50.01	T(6): 0.0; S(8): 0.0; S(16): 100.0; S(18): 50.0; T(20): 50.0; T(24): 0.0; S(25): 0.0; S(26): 0.0; S(27): 0.0	QEGDHEPsGSETEED	S16;	High	3545.4064	19.78	41.51	43.1	73	2	2	71.64	High	0.2222	5.807023048	High	0.1033	Yes
NP_006725.3	3097	110347463	HIVEP2	transcription factor HIVEP2 [Homo sapiens]	S1085	1.51	1.1	QAsFSGSPEISQGEVGMDQSVK	1	1	2	0	2ヺTMT6plex [N-Term; K22]; 1ヺOxidation [M17(100)]; 1ヺPhospho [S3(100)]	S3(Phospho): 99.95; M17(Oxidation): 100	S(3): 100.0; S(5): 0.1; S(7): 0.0; S(11): 0.0; S(20): 0.0	CFLVRQAsFSGSPEI	S3;	High	2822.331976					1	1	71.59	High	0.3056	4.443256855	High	0.0631	Yes
NP_001289958.1	11187	732663005	PKP3	plakophilin-3 isoform PKP3b [Homo sapiens]	S253	0.77	0.68	AGGLDWPEATEVsPSR	1	2	9	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S13(99.3)]	S13(Phospho): 99.11	T(10): 0.0; S(13): 99.1; S(15): 0.9	WPEATEVsPSRTIRA	S13;	High	1980.926553	14.68	13.36	22.9	18.3	4	4	71.59	High	0.0417	4.406284809	High	0.0726	No
NP_060895.1	55361	13559514	PI4K2A	phosphatidylinositol 4-kinase type 2-alpha [Homo sapiens]	S47	0.69	0.73	VAAAAGSGPsPPGSPGHDR	1	1	4	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S10(100)]	S10(Phospho): 100	S(7): 0.0; S(10): 100.0; S(14): 0.0	AAAGSGPsPPGSPGH	S10;	High	1996.943934	32.19	18.13	32.1	19	2	2	71.5	High	0.2361	6.92412281	High	0.1474	Yes
NP_005582.1	4361	5031923	MRE11A	double-strand break repair protein MRE11A isoform 1 [Homo sapiens]	S649	1.07	1.16	NYSEVIEVDEsDVEEDIFPTTSK	1	2	3	0	2ヺTMT6plex [N-Term; K23]; 1ヺPhospho [S11(100)]	S11(Phospho): 100	Y(2): 0.0; S(3): 0.0; S(11): 100.0; T(20): 0.0; T(21): 0.0; S(22): 0.0	EVIEVDEsDVEEDIF	S11;	High	3183.491038					1	1	71.48	High	0.5493	4.648796558	High	0.3355	Yes
NP_060686.2	55229	733216030	PANK4	pantothenate kinase 4 [Homo sapiens]	S401	2.55	1.25	GAEQDNPNQYSWGENYAGSSGLMSAsPELGPAQR	1	1	3	0	1ヺTMT6plex [N-Term]; 1ヺOxidation [M23(100)]; 1ヺPhospho [S26(99.9)]	M23(Oxidation): 100; S26(Phospho): 99.93	Y(10): 0.0; S(11): 0.0; Y(16): 0.0; S(19): 0.0; S(20): 0.0; S(24): 0.1; S(26): 99.9	SSGLMSAsPELGPAQ	S26;	High	3893.691156					1	1	71.48	High	0.1831	3.850884914	High	0.0364	No
NP_835227.1	162427	30023820	FAM134C	protein FAM134C [Homo sapiens]	S320	1.3	0.68	GQTPLTEGSEDLDGHsDPEESFAR	1	1	2	0	1ヺTMT6plex [N-Term]; 1ヺDeamidated [Q2(100)]; 1ヺPhospho [S16(100)]	Q2(Deamidated): 100; S16(Phospho): 100	T(3): 0.0; T(6): 0.0; S(9): 0.0; S(16): 100.0; S(21): 0.0	SEDLDGHsDPEESFA	S16;	High	2884.235937					1	1	71.45	High	0.3662	6.193941593	High	0.1599	Yes
NP_001123528.1	1936	194239729	EEF1D	elongation factor 1-delta isoform 4 [Homo sapiens]	S138	0.63	4.01	KPATPAEDDEDDDIDLFGsDNEEEDKEAAQLR	1	4	2	1	3ヺTMT6plex [N-Term; K26; K]; 1ヺPhospho [S19(100)]	S19(Phospho): 100	T(4): 0.0; S(19): 100.0	DDIDLFGsDNEEEDK	S19;	High	4345.01237					1	1	71.41	High	0.9155	10.07326698	High	0.4737	No
NP_149072.2	11083	301129165	DIDO1	death-inducer obliterator 1 isoform c [Homo sapiens]	S805; S809	0.84	0.62	QEAIPDLEDsPPVsDSEEQQESAR	1	2	6	0	1ヺTMT6plex [N-Term]; 2ヺPhospho [S10(100); S14(100)]	S10(Phospho): 100; S14(Phospho): 99.97	S(10): 100.0; S(14): 100.0; S(16): 0.0; S(22): 0.0	AIPDLEDsPPVSDSE;LEDSPPVsDSEEQQE	S10; S14;	High	3045.281247					1	1	71.4	High	0.169	3.814867496	High	0.3701	Yes;Yes
NP_001166289.1	5236	290463102	PGM1	phosphoglucomutase-1 isoform 2 [Homo sapiens]	S135	0.96	2.33	AIGGIILTAsHNPGGPNGDFGIK	1	2	7	0	2ヺTMT6plex [N-Term; K23]; 1ヺPhospho [S10(100)]	S10(Phospho): 99.99	T(8): 0.0; S(10): 100.0	GGIILTAsHNPGGPN	S10;	High	2744.453686	1.96	0.17	2.7	0.6	2	2	71.39	High	1	7.734149933	High	0.0401	Yes
NP_002259.1	3840	4504901	KPNA4	importin subunit alpha-3 [Homo sapiens]	S60	0.94	1.82	NVPHEDICEDsDIDGDYR	1	1	2	0	1ヺTMT6plex [N-Term]; 1ヺCarbamidomethyl [C8]; 1ヺPhospho [S11(100)]	S11(Phospho): 100	S(11): 100.0; Y(17): 0.0	HEDICEDsDIDGDYR	S11;	High	2458.00673					1	1	71.35	High	0.6479	4.561733723	High	0.2039	Yes
NP_002909.4	5989	238859557	RFX1	MHC class II regulatory factor RFX1 [Homo sapiens]	S120	0.71	0.74	ASETVSEAsPGSTASQTGVPTQVVQQVQGTQQR	1	1	2	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S9(99.9)]	S9(Phospho): 99.93	S(2): 0.0; T(4): 0.0; S(6): 0.0; S(9): 99.9; S(12): 0.0; T(13): 0.0; S(15): 0.0; T(17): 0.0; T(21): 0.0; T(30): 0.0	SETVSEAsPGSTASQ	S9;	High	3652.765306					1	1	71.35	High	0.1831	3.719783068	High	0.0806	Yes
NP_001244957.1	7086	384475521	TKT	transketolase isoform 2 [Homo sapiens]	T295	0.55		ILAtPPQEDAPSVDIANIR	1	2	3	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [T4(100)]	T4(Phospho): 100	T(4): 100.0; S(12): 0.0	SKKKILAtPPQEDAP	T4;	High	2329.200208					1		71.28	High	0.8732	3.790369749	High	0.5303	No
NP_056216.2	51564	169234807	HDAC7	histone deacetylase 7 isoform a [Homo sapiens]	S525	1.22	1.21	AQsSPAAPASLSAPEPASQAR	1	3	6	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S3(99)]	S3(Phospho): 99.99	S(3): 100.0; S(4): 0.0; S(10): 0.0; S(12): 0.0; S(18): 0.0	RPLSRAQsSPAAPAS	S3;	High	2303.12302	15.3	31.38	26.9	58.1	2	2	71.25	High	0.1408	7.461322308	High	0.0295	No
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	T201	1.16	1.25	KNGNGGPGPYVGQAGTAtLPR	1	15	14	1	2ヺTMT6plex [N-Term; K]; 1ヺDeamidated [N2(98.9)]; 1ヺPhospho [T18(98.9)]	N2(Deamidated): 98.61; T18(Phospho): 99.98	Y(10): 0.0; T(16): 0.0; T(18): 100.0	VGQAGTAtLPRNFHY	T18;	High	2551.307023					1	1	71.19	High	0.0704	5.741555691	High	0.0244	Yes
NP_001093869.1	23244	155030216	PDS5A	sister chromatid cohesion protein PDS5 homolog A isoform 1 [Homo sapiens]	S1305	0.96	0.63	AAVGQEsPGGLEAGNAK	1	1	6	0	2ヺTMT6plex [N-Term; K17]; 1ヺPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	RAAVGQEsPGGLEAG	S7;	High	2094.06327	6.07	15.66	8.3	14	2	2	71.15	High	0.9155	5.490007401	High	0.6667	Yes
NP_803136.2	147700	91825557	KLC3	kinesin light chain 3 [Homo sapiens]	S502	0.81	0.8	TLSASTQDLsPH	1	1	8	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S5(100)]	S10(Phospho): 100	T(1): 0.0; S(3): 0.0; S(5): 0.0; T(6): 0.0; S(10): 100.0	SASTQDLsPH_	S10;	High	1565.740984	30.93	9.76	45.7	13.5	3	3	71.15	High	0.1831	3.975129604	High	0.2638	Yes
NP_001177344.1	6878	298676520	TAF6	transcription initiation factor TFIID subunit 6 isoform epsilon [Homo sapiens]	S709	2.02	1.74	ANGSQPNSGsPQPAP	1	2	2	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S10(98.8)]	S10(Phospho): 98.81	S(4): 0.0; S(8): 1.2; S(10): 98.8	GSQPNSGsPQPAP_	S10;	High	1717.774409					1	1	71.14	High	0.3521	2.844002008	High	0.088	No
NP_001243595.1	8603	375331932	FAM193A	protein FAM193A isoform 2 [Homo sapiens]	S293	1.08	1.27	LILTDSGSAPTFCsDDEDVAPLSAK	1	3	6	0	2ヺTMT6plex [N-Term; K25]; 1ヺCarbamidomethyl [C13]; 1ヺPhospho [S14(98.7)]	S14(Phospho): 98.72	T(4): 0.0; S(6): 0.0; S(8): 1.3; T(11): 0.0; S(14): 98.7; S(23): 0.0	GSAPTFCsDDEDVAP	S14;	High	3147.520899	0.34	18.71	0.5	34.7	2	2	71.07	High	0.2254	4.39897728	High	0.0886	Yes
NP_005392.2	5784	34328899	PTPN14	tyrosine-protein phosphatase non-receptor type 14 [Homo sapiens]	S809	0.63	2.52	TDPPAVNGASLGPSIsEPDLTSVK	1	1	8	0	2ヺTMT6plex [N-Term; K24]; 1ヺPhospho [S16(98.9)]	S16(Phospho): 98.92	T(1): 0.0; S(10): 0.0; S(14): 1.1; S(16): 98.9; T(21): 0.0; S(22): 0.0	ASLGPSIsEPDLTSV	S16;	High	2890.485105	9.9	27.38	8.8	126.5	2	2	71.06	High	0.0986	4.653833389	High	0.0409	Yes
NP_006247.1	5586	5453974	PKN2	serine/threonine-protein kinase N2 [Homo sapiens]	S583	0.73	0.82	ASsLGEIDESSELR	1	1	7	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S3(100)]	S3(Phospho): 99.99	S(2): 0.0; S(3): 100.0; S(10): 0.0; S(11): 0.0	PAPPRASsLGEIDES	S3;	High	1801.84182	10.43	19.62	13.2	28.5	3	3	71.05	High	0.0704	5.491294861	High	0.0583	Yes
NP_055968.1	23469	7662018	PHF3	PHD finger protein 3 isoform 1 [Homo sapiens]	S1614	1.4	0.92	QLQEDQENNLQDNQTSNSsPCR	1	2	11	0	1ヺTMT6plex [N-Term]; 1ヺCarbamidomethyl [C21]; 1ヺPhospho [S19(98.7)]	S19(Phospho): 98.52	T(15): 0.0; S(16): 0.0; S(18): 1.5; S(19): 98.5	DNQTSNSsPCRSNVG	S19;	High	2914.247187	16.01	43.28	32.4	61.1	2	2	70.95	High	0.9577	4.510768414	High	0.0421	Yes
NP_003920.1	8934	4506375	RAB29	ras-related protein Rab-7L1 isoform 1 [Homo sapiens]	S185	0.87	0.9	NSTEDIMSLsTQGDYINLQTK	1	3	3	0	2ヺTMT6plex [N-Term; K21]; 1ヺOxidation [M7(100)]; 1ヺPhospho [S10(95.4)]	M7(Oxidation): 100; S10(Phospho): 95.36	S(2): 0.0; T(3): 0.0; S(8): 2.3; S(10): 95.4; T(11): 2.3; Y(15): 0.0; T(20): 0.0	TEDIMSLsTQGDYIN	S10;	High	2912.400056					1	1	70.69	High	0.1268	4.957902908	High	0.0141	No
NP_067051.2	58506	226509740	SCAF1	splicing factor, arginine/serine-rich 19 [Homo sapiens]	S965	1.12	0.86	GAEETSWsGEER	1	1	4	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S8(100)]	S8(Phospho): 100	T(5): 0.0; S(6): 0.0; S(8): 100.0	GAEETSWsGEERAAK	S8;	High	1646.689676	3.64	13.33	5.8	16.4	2	2	70.56	High	0.338	3.868335485	High	0.0827	Yes
NP_004448.2	2181	42794752	ACSL3	long-chain-fatty-acid--CoA ligase 3 [Homo sapiens]	S683	1.7	1.39	IRLsPEPWTPETGLVTDAFK	1	1	2	1	2ヺTMT6plex [N-Term; K20]; 1ヺPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(9): 0.0; T(12): 0.0; T(16): 0.0	IPVKIRLsPEPWTPE	S4;	High	2795.478504					1	1	70.51	High	0.1972	4.970357418	High	0.2414	Yes
NP_683692.2	259282	87299628	BOD1L1	biorientation of chromosomes in cell division protein 1-like 1 [Homo sapiens]	S2779; S2780	1.38	1.52	KQHYLssEDEPDDNPDVLDSR	1	1	2	1	2ヺTMT6plex [N-Term; K]; 2ヺPhospho [S6(100); S7(100)]	S6(Phospho): 100; S7(Phospho): 100	Y(4): 0.0; S(6): 100.0; S(7): 100.0; S(20): 0.0	KRKQHYLsSEDEPDD;RKQHYLSsEDEPDDN	S6; S7;	High	3077.354241					1	1	70.48	High	0.5714	5.118328571	High	0.5039	Yes;Yes
NP_077003.1	79080	13129104	CCDC86	coiled-coil domain-containing protein 86 [Homo sapiens]	S91	1.17	1.61	LQQGAGLESPQGQPEPGAAsPQR	1	1	5	0	1ヺTMT6plex [N-Term]; 1ヺDeamidated [Q13(100)]; 1ヺPhospho [S20(100)]	Q13(Deamidated): 99.99; S20(Phospho): 100	S(9): 0.0; S(20): 100.0	QPEPGAAsPQRQQDL	S20;	High	2613.25074	7.69	1.4	12.8	3.2	2	2	70.3	High	0.2714	7.796003342	High	0.0077	Yes
NP_057662.3	51773	38788333	RSF1	remodeling and spacing factor 1 [Homo sapiens]	T1305	0.58	2.72	IEtDEEESCDNAHGDANQPAR	1	1	2	0	1ヺTMT6plex [N-Term]; 1ヺCarbamidomethyl [C9]; 1ヺPhospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; S(8): 0.0	KRLHRIEtDEEESCD	T3;	High	2667.082748					1	1	70.03	High	0.4	5.051713943	High	0.2218	Yes
NP_055580.1	9804	7657257	TOMM20	mitochondrial import receptor subunit TOM20 homolog [Homo sapiens]	S138	1.34	1.54	IVSAQsLAEDDVE	1	1	5	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S6(100)]	S6(Phospho): 100	S(3): 0.0; S(6): 100.0	QRIVSAQsLAEDDVE	S6;	High	1684.787993	20.83	3.88	41.1	8.5	2	2	69.98	High	0.3571	3.756377935	High	0.1463	Yes
NP_055885.3	23091	116008442	ZC3H13	zinc finger CCCH domain-containing protein 13 [Homo sapiens]	S993	1.57	0.99	GNIETTSEDGQVFsPK	1	1	6	0	2ヺTMT6plex [N-Term; K16]; 1ヺPhospho [S14(100)]	S14(Phospho): 100	T(5): 0.0; T(6): 0.0; S(7): 0.0; S(14): 100.0	SEDGQVFsPKKGQKK	S14;	High	2247.094629	0.47	2.62	1.3	4.5	3	3	69.86	High	0.6	5.50449419	High	0.4545	Yes
NP_001978.1	2120	4503611	ETV6	transcription factor ETV6 [Homo sapiens]	T18; S22		0.79	ISYtPPEsPVPSYASSTPLHVPVPR	1	1	2	0	1ヺTMT6plex [N-Term]; 2ヺPhospho [T4(100); S8(100)]	T4(Phospho): 99.97; S8(Phospho): 100	S(2): 0.0; Y(3): 0.0; T(4): 100.0; S(8): 100.0; S(12): 0.0; Y(13): 0.0; S(15): 0.0; S(16): 0.0; T(17): 0.0	KQERISYtPPESPVP;ISYTPPEsPVPSYAS	T4; S8;	High	3067.478036						1	69.74	High	0.1286	4.809425354	High	0.2599	Yes;Yes
NP_001275582.1	1213	568815719	CLTC	clathrin heavy chain 1 isoform 2 [Homo sapiens]	S1498	0.99	0.4	TSIDAYDNFDNIsLAQR	1	2	2	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S13(100)]	S13(Phospho): 100	T(1): 0.0; S(2): 0.0; Y(6): 0.0; S(13): 100.0	YDNFDNIsLAQRLEK	S13;	High	2252.043373					1	1	69.72	High	0.7429	3.380104065	High	0.4438	No
NP_004694.2	9135	31377798	RABEP1	rab GTPase-binding effector protein 1 isoform 1 [Homo sapiens]	S407	1.24	1.32	RAQsTDSLGTSGSLQSK	1	3	5	1	2ヺTMT6plex [N-Term; K17]; 1ヺPhospho [S4(99.1)]	S4(Phospho): 99.14	S(4): 99.1; T(5): 0.9; S(7): 0.0; T(10): 0.0; S(11): 0.0; S(13): 0.0; S(16): 0.0	DGLRRAQsTDSLGTS	S4;	High	2261.153876	0.8	22.2	1.4	43.4	2	2	69.67	High	0.0571	7.63374424	High	0.0066	Yes
NP_004591.2	6738	31377800	TROVE2	60 kDa SS-A/Ro ribonucleoprotein isoform 2 [Homo sapiens]	S19	2	0.83	QIANsQDGYVWQVTDMNR	1	4	3	0	1ヺTMT6plex [N-Term]; 1ヺOxidation [M16(100)]; 1ヺPhospho [S5(100)]	S5(Phospho): 100; M16(Oxidation): 100	S(5): 100.0; Y(9): 0.0; T(14): 0.0	NEKQIANsQDGYVWQ	S5;	High	2450.100905					1	1	69.59	High	0.5286	5.155601025	High	0.2461	Yes
NP_006300.1	9209	5453726	LRRFIP2	leucine-rich repeat flightless-interacting protein 2 isoform 1 [Homo sapiens]	S320	1.08	1.09	NSASATTPLsGNSSR	1	4	7	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S10(100)]	S10(Phospho): 100	S(2): 0.0; S(4): 0.0; T(6): 0.0; T(7): 0.0; S(10): 100.0; S(13): 0.0; S(14): 0.0	ASATTPLsGNSSRRG	S10;	High	1758.822088	16.56	21.12	31.7	41.4	3	3	69.49	High	0.2174	4.286756039	High	0.0932	Yes
NP_001010872.1	222584	61676089	FAM83B	protein FAM83B [Homo sapiens]	S466	0.75	0.47	sFNGTDNHIR	1	1	10	0	1ヺTMT6plex [N-Term]; 1ヺDeamidated [N3(100)]; 1ヺPhospho [S1(100)]	S1(Phospho): 100; N3(Deamidated): 100	S(1): 100.0; T(5): 0.0	RNSNVRRsFNGTDNH	S1;	High	1470.657589	7.3	4.79	12.3	5.1	5	5	69.47	High	0.6377	6.356900692	High	0.184	Yes
NP_001135442.1	1616	215422366	DAXX	death domain-associated protein 6 isoform b [Homo sapiens]	S700	1.64	2.13	VDsPSHGLVTSSLCIPSPAR	1	3	4	0	1ヺTMT6plex [N-Term]; 1ヺCarbamidomethyl [C14]; 1ヺPhospho [S3(99)]	S3(Phospho): 99.02	S(3): 99.0; S(5): 1.0; T(10): 0.0; S(11): 0.0; S(12): 0.0; S(17): 0.0	DSSTRVDsPSHGLVT	S3;	High	2389.178427					1	1	69.43	High	0.029	5.082352638	High	0.0374	No
NP_055912.2	23122	333440449	CLASP2	CLIP-associating protein 2 isoform 1 [Homo sapiens]	S604	0.96	0.88	SRsDIDVNAAAGAK	1	2	4	1	2ヺTMT6plex [N-Term; K14]; 1ヺDeamidated [N8(100)]; 1ヺPhospho [S3(99.4)]	S3(Phospho): 99.43; N8(Deamidated): 100	S(1): 0.6; S(3): 99.4	GSLQRSRsDIDVNAA	S3;	High	1913.973393					1	1	69.4	High	0.0145	7.168156624	High	0.0195	No
NP_001186127.1	55773	312837064	TBC1D23	TBC1 domain family member 23 isoform 1 [Homo sapiens]	S474	0.77	0.91	SSINSVDGEsPNGSSDR	1	2	3	0	1ヺTMT6plex [N-Term]; 1ヺDeamidated [N12(100)]; 1ヺPhospho [S10(100)]	S10(Phospho): 100; N12(Deamidated): 100	S(1): 0.0; S(2): 0.0; S(5): 0.0; S(10): 100.0; S(14): 0.0; S(15): 0.0	INSVDGEsPNGSSDR	S10;	High	2017.854904					1	1	69.22	High	0.3043	2.890516996	High	0.3045	Yes
NP_006026.3	9578	115527097	CDC42BPB	serine/threonine-protein kinase MRCK beta [Homo sapiens]	S1690	0.91	0.76	HSTPSNSSNPSGPPsPNSPHR	1	1	7	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S15(100)]	S15(Phospho): 100	S(2): 0.0; T(3): 0.0; S(5): 0.0; S(7): 0.0; S(8): 0.0; S(11): 0.0; S(15): 100.0; S(18): 0.0	SNPSGPPsPNSPHRS	S15;	High	2450.104744	44.67	42.49	62.8	48.4	2	2	69.16	High	0.2609	8.254928589	High	0.1176	Yes
NP_001092302.1	84923	154350246	FAM104A	protein FAM104A isoform 1 [Homo sapiens]	S21	0.89	0.86	GADAGSSGGTGPTEGYsPPAASTR	1	4	2	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S17(100)]	S17(Phospho): 100	S(6): 0.0; S(7): 0.0; T(10): 0.0; T(13): 0.0; Y(16): 0.0; S(17): 100.0; S(22): 0.0; T(23): 0.0	TGPTEGYsPPAASTR	S17;	High	2460.087757					1	1	69.16	High	0.2464	4.068010807	High	0.0614	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_079119.3	79901	188536036	CYBRD1	cytochrome b reductase 1 isoform 1 [Homo sapiens]	T285	0.43	0.77	NLALDEAGQRStM	1	2	5	1	1ｧTMT6plex [N-Term]; 1ｧOxidation [M13(100)]; 1ｧPhospho [T12(98.5)]	T12(Phospho): 98.49; M13(Oxidation): 100	S(11): 1.5; T(12): 98.5	DEAGQRStM_	T12;	High	1730.798181					1	1	69	High	0.9855	4.487077236	High	0.0445	Yes
NP_667339.1	223082	23821044	ZNRF2	E3 ubiquitin-protein ligase ZNRF2 [Homo sapiens]	S82	0.77	1.31	SRsLGGAVGSVASGAR	1	1	2	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; S(10): 0.0; S(13): 0.0	PAAPRSRsLGGAVGS	S3;	High	1740.895527					1	1	68.98	High	0.2029	6.566314697	High	0.0761	Yes
NP_002473.2	4678	27262628	NASP	nuclear autoantigenic sperm protein isoform 2 [Homo sapiens]	T390	1.71	3.54	DGAVNGPSVVGDQtPIEPQTSIER	1	2	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [T14(100)]	T14(Phospho): 100	S(8): 0.0; T(14): 100.0; T(20): 0.0; S(21): 0.0	PSVVGDQtPIEPQTS	T14;	High	2775.339949	8.08	8.74	19.7	46	2	2	68.97	High	0.4493	4.591039181	High	0.2113	Yes
NP_079107.6	96764	151301096	TGS1	trimethylguanosine synthase [Homo sapiens]	S89	0.37	1.42	GIGLDESELDsEAELMR	1	1	3	0	1ｧTMT6plex [N-Term]; 1ｧOxidation [M16(100)]; 1ｧPhospho [S11(100)]	S11(Phospho): 100; M16(Oxidation): 100	S(7): 0.0; S(11): 100.0	LDESELDsEAELMRS	S11;	High	2188.988226					1	1	68.94	High	0.5072	5.078118801	High	0.2913	Yes
NP_055446.2	9644	55749544	SH3PXD2A	SH3 and PX domain-containing protein 2A [Homo sapiens]	S519	0.63	0.71	EAEEGPTGASESQDsPR	1	1	11	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S15(100)]	S15(Phospho): 100	T(7): 0.0; S(10): 0.0; S(12): 0.0; S(15): 100.0	GASESQDsPRKLKYE	S15;	High	2055.870554	20.3	14.02	26.1	20	4	4	68.91	High	0.1159	7.923832893	High	0.1111	No
NP_056982.1	51341	7705375	ZBTB7A	zinc finger and BTB domain-containing protein 7A [Homo sapiens]	S337	0.89	2.53	AGAAAGDsDEESR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; S(12): 0.0	AGAAAGDsDEESRAD	S8;	High	1544.642726					1	1	68.87	High	0.3913	4.912329674	High	0.2587	Yes
NP_001186508.1	25777	313760643	SUN2	SUN domain-containing protein 2 isoform a [Homo sapiens]	S12	0.59	0.39	LTRYsQGDDDGSSSSGGSSVAGSQSTLFK	1	2	12	1	2ｧTMT6plex [N-Term; K29]; 1ｧPhospho [S5(98.4)]	S5(Phospho): 98.45	T(2): 1.6; Y(4): 0.0; S(5): 98.5; S(12): 0.0; S(13): 0.0; S(14): 0.0; S(15): 0.0; S(18): 0.0; S(19): 0.0; S(23): 0.0; S(25): 0.0; T(26): 0.0	SQRLTRYsQGDDDGS	S5;	High	3419.600422					1	1	68.81	High	0.1739	4.944422245	High	0.0243	Yes
NP_061936.2	27436	19923497	EML4	echinoderm microtubule-associated protein-like 4 isoform a [Homo sapiens]	S146	1.11	1.4	ASPsPQPSSQPLQIHR	1	1	7	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S2(100)]	S4(Phospho): 99.99	S(2): 0.0; S(4): 100.0; S(8): 0.0; S(9): 0.0	PQIRASPsPQPSSQP	S4;	High	2039.02727	2.97	2.76	5.7	6.7	3	3	68.8	High	0.5652	5.003170967	High	0.074	Yes
NP_060644.4	55201	50428935	MAP1S	microtubule-associated protein 1S isoform 1 [Homo sapiens]	S759	1.26	1.13	AVPMAPAPAsPGSSNDSSAR	1	2	11	0	1ｧTMT6plex [N-Term]; 1ｧOxidation [M4(100)]; 1ｧPhospho [S10(100)]	M4(Oxidation): 100; S10(Phospho): 100	S(10): 100.0; S(13): 0.0; S(14): 0.0; S(17): 0.0; S(18): 0.0	PMAPAPAsPGSSNDS	S10;	High	2195.000128	19.47	28.62	52.1	71.8	4	4	68.79	High	0.3333	5.260278225	High	0.1331	Yes
NP_060037.3	55577	295844834	NAGK	N-acetyl-D-glucosamine kinase [Homo sapiens]	S122	0.61	0.58	SLGLSLsGGDQEDAGR	1	1	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S7(100)]	S7(Phospho): 98.69	S(1): 0.0; S(5): 1.3; S(7): 98.7	RSLGLSLsGGDQEDA	S7;	High	1870.874517	6.28	15.82	5.4	13.1	2	2	68.79	High	0.2464	4.29759407	High	0.1558	No
NP_062817.2	56478	256818794	EIF4ENIF1	eukaryotic translation initiation factor 4E transporter isoform a [Homo sapiens]	S564	1.11	0.99	APsPPLSQVFQTR	1	2	5	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(7): 0.0; T(12): 0.0	LLGQRAPsPPLSQVF	S3;	High	1736.893402					1	1	68.77	High	0.6667	4.380589008	High	0.4635	Yes
NP_036440.1	22992	16306580	KDM2A	lysine-specific demethylase 2A isoform a [Homo sapiens]	S740	0.29	0.69	SsPGAGPSDHHSASR	1	2	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S2(100)]	S2(Phospho): 99.99	S(1): 0.0; S(2): 100.0; S(8): 0.0; S(12): 0.0; S(14): 0.0	RGMVTRSsPGAGPSD	S2;	High	1758.775806					1	1	68.72	High	0.0435	4.353060722	High	0.046	Yes
NP_443111.4	113251	283046701	LARP4	la-related protein 4 isoform a [Homo sapiens]	S597	0.91	0.77	ASTAsPCNNNINAATAVALQEPR	1	5	6	0	1ｧTMT6plex [N-Term]; 1ｧCarbamidomethyl [C7]; 1ｧPhospho [S5(100)]	S5(Phospho): 99.98	S(2): 0.0; T(3): 0.0; S(5): 100.0; T(15): 0.0	PSRASTAsPCNNNIN	S5;	High	2679.275909					1	1	68.68	High	0.1594	6.365138054	High	0.0314	Yes
NP_060615.1	55177	8922532	RMDN3	regulator of microtubule dynamics protein 3 [Homo sapiens]	S46	0.64	1.53	SQsLPNSLDYTQTSDPGR	1	1	10	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 98.46	S(1): 1.5; S(3): 98.5; S(7): 0.0; Y(10): 0.0; T(11): 0.0; T(13): 0.0; S(14): 0.0	QRHGRSQsLPNSLDY	S3;	High	2275.044101	3.46	1.23	3.8	3.2	3	3	68.67	High	0.2029	5.695773602	High	0.0263	No
NP_005778.1	10195	5031953	ALG3	dol-P-Man:Man(5)GlcNAc(2)-PP-Dol alpha 1,3-mannosyltransferase isoform a [Homo sapiens]	S13	0.9	1.11	SGsAAQAEGLCK	1	1	6	0	2ｧTMT6plex [N-Term; K12]; 1ｧCarbamidomethyl [C11]; 1ｧPhospho [S3(99.5)]	S3(Phospho): 99.52	S(1): 0.5; S(3): 99.5	RKRGRSGsAAQAEGL	S3;	High	1716.839207	4.47	2.95	5.7	4.6	2	2	68.65	High	0.3768	6.745880127	High	0.0281	Yes
NP_006729.4	11214	31563330	AKAP13	A-kinase anchor protein 13 isoform 1 [Homo sapiens]	S983	0.7	1.33	ALQLSNsPGASSAFLK	1	2	4	0	2ｧTMT6plex [N-Term; K16]; 1ｧPhospho [S7(100)]	S7(Phospho): 99.99	S(5): 0.0; S(7): 100.0; S(11): 0.0; S(12): 0.0	KALQLSNsPGASSAF	S7;	High	2129.140792	66.6	24.15	74.1	47.8	2	2	68.51	High	0.2754	3.91934371	High	0.125	Yes
NP_003371.2	7431	62414289	VIM	vimentin [Homo sapiens]	S419	1.02	0.89	ISLPLPNFsSLNLR	1	1	3	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S9(100)]	S9(Phospho): 99.99	S(2): 0.0; S(9): 100.0; S(10): 0.0	SLPLPNFsSLNLRET	S9;	High	1880.024416					1	1	68.49	High	0.1765	3.018380165	High	0.0497	Yes
NP_942131.1	31	38679960	ACACA	acetyl-CoA carboxylase 1 isoform 1 [Homo sapiens]	S66	0.28	2.3	FIIGSVSEDNsEDEISNLVK	1	2	2	0	2ｧTMT6plex [N-Term; K20]; 1ｧPhospho [S11(100)]	S11(Phospho): 99.99	S(5): 0.0; S(7): 0.0; S(11): 100.0; S(16): 0.0	GSVSEDNsEDEISNL	S11;	High	2733.363593					1	1	68.44	High	0.1471	2.967330456	High	0.1111	No
NP_001243399.1	54477	374349211	PLEKHA5	pleckstrin homology domain-containing family A member 5 isoform 4 [Homo sapiens]	S416	2.1	0.67	TNsMQQLEQWIK	1	4	6	0	2ｧTMT6plex [N-Term; K12]; 1ｧOxidation [M4(100)]; 1ｧPhospho [S3(99.1)]	S3(Phospho): 100; M4(Oxidation): 100	T(1): 0.0; S(3): 100.0	RVIQRTNsMQQLEQW	S3;	High	2060.028799	1.11	46.56	3.3	46.1	2	2	68.41	High	0.3971	5.604657173	High	0.0214	No
NP_919277.2	253959	51230412	RALGAPA1	ral GTPase-activating protein subunit alpha-1 isoform 2 [Homo sapiens]	S797	1.27	1.58	SSsTSDILEPFTVER	1	4	11	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(97.9)]	S3(Phospho): 97.9	S(1): 0.0; S(2): 1.0; S(3): 97.9; T(4): 1.0; S(5): 0.0; T(12): 0.0	QPLPRSSsTSDILEP	S3;	High	1976.941534					1	1	68.31	High	0.0441	5.123906612	High	0.0098	Yes
NP_821074.1	90627	41281898	STARD13	stAR-related lipid transfer protein 13 isoform 1 [Homo sapiens]	S411	0.6	0.58	ALsIESLSPTDSSNGVNWR	1	6	4	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [N14(100)]; 1ｧPhospho [S3(100)]	S3(Phospho): 100; N14(Deamidated): 99.98	S(3): 100.0; S(6): 0.0; S(8): 0.0; T(10): 0.0; S(12): 0.0; S(13): 0.0	GTFPKALsIESLSPT	S3;	High	2343.106702	10.68	25.11	9.1	20.7	2	2	68.29	High	0.1029	5.359986305	High	0.0821	Yes
NP_958431.2	23164	50980301	MPRIP	myosin phosphatase Rho-interacting protein isoform 2 [Homo sapiens]	S365	1.12	0.72	DFTNEAPPAPLPDASASPLsPHR	1	2	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S20(100)]	S20(Phospho): 100	T(3): 0.0; S(15): 0.0; S(17): 0.0; S(20): 100.0	DASASPLsPHRRAKS	S20;	High	2696.291876					1	1	68.18	High	0.0441	5.984364033	High	0.0819	Yes
NP_065197.1	57224	254692997	NHSL1	NHS-like protein 1 isoform 1 [Homo sapiens]	S1233	1.53	1.04	AVPsPTTGEEGSVHSR	1	2	7	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(6): 0.0; T(7): 0.0; S(12): 0.0; S(15): 0.0	EALRAVPsPTTGEEG	S4;	High	1919.906151	25.54	19.1	76.2	35.5	3	3	68.14	High	0.4412	5.843148232	High	0.1353	Yes
NP_006469.2	10634	19923777	GAS2L1	GAS2-like protein 1 isoform a [Homo sapiens]	S352	0.81	0.5	RYsGDSDSSASSAQSGPLGTR	1	1	3	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	Y(2): 0.0; S(3): 100.0; S(6): 0.0; S(8): 0.0; S(9): 0.0; S(11): 0.0; S(12): 0.0; S(15): 0.0; T(20): 0.0	HPRSRRYsGDSDSSA	S3;	High	2395.072441					1	1	68.09	High	0.1324	5.00783968	High	0.002	Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S61	0.71	0.44	QSLTHGsSGYINSTGSTR	1	1	22	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [N12(100)]; 1ｧPhospho [S7(100)]	S7(Phospho): 100; N12(Deamidated): 100	S(2): 0.0; T(4): 0.0; S(7): 100.0; S(8): 0.0; Y(10): 0.0; S(13): 0.0; T(14): 0.0; S(16): 0.0; T(17): 0.0	KQSLTHGsSGYINST	S7;	High	2162.991672	38.39	50.13	83	63	7	7	68.05	High	0.2353	6.376190662	High	0.0392	Yes
NP_055871.1	23076	57863269	RRP1B	ribosomal RNA processing protein 1 homolog B [Homo sapiens]	S245	0.82	1.67	VGDGDLsAEEIPENEVSLR	1	1	6	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; S(17): 0.0	KVGDGDLsAEEIPEN	S7;	High	2338.101282	6.17	11.56	8.8	34.4	3	3	68.03	High	1	4.848045349	High	0.5299	Yes
NP_002471.1	4659	4505317	PPP1R12A	protein phosphatase 1 regulatory subunit 12A isoform a [Homo sapiens]	S445	1.57	1.51	KTGsYGALAEITASK	1	4	10	1	3ｧTMT6plex [N-Term; K15; K]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	T(2): 0.0; S(4): 100.0; Y(5): 0.0; T(12): 0.0; S(14): 0.0	LGLRKTGsYGALAEI	S4;	High	2264.250626	0.84	2.64	2.3	6.9	3	3	67.98	High	0.3235	8.53192234	High	0.0586	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	T201	0.75	1.45	NGNGGPGPYVGQAGTAtLPR	1	15	14	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [N3(98.7)]; 1ｧPhospho [T17(100)]	N3(Deamidated): 98.74; T17(Phospho): 99.98	Y(9): 0.0; T(15): 0.0; T(17): 100.0	VGQAGTAtLPRNFHY	T17;	High	2194.049128	11.73	14.03	17.7	42.3	4	4	67.96	High	0.25	5.632144928	High	0.0195	Yes
NP_002347.5	4082	153070260	MARCKS	myristoylated alanine-rich C-kinase substrate [Homo sapiens]	S101	1.01	2.79	GEPAAAAAPEAGAsPVEK	1	1	2	0	2ｧTMT6plex [N-Term; K18]; 1ｧPhospho [S14(100)]	S14(Phospho): 100	S(14): 100.0	AAPEAGAsPVEKEAP	S14;	High	2161.094236					1	1	67.94	High	0.9559	5.964387417	High	0.7248	Yes
NP_001161213.1	345778	267844828	MTX3	metaxin-3 isoform 1 [Homo sapiens]	S250	1.76	0.69	LTPAEEENNSFQRLsP	1	1	6	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S15(100)]	S15(Phospho): 100	T(2): 0.0; S(10): 0.0; S(15): 100.0	NNSFQRLsP_	S15;	High	2141.011345	0.81	19.89	2	19.5	2	2	67.93	High	0.2794	4.712020874	High	0.2527	No
NP_065778.3	49854	50345873	ZBTB21	zinc finger and BTB domain-containing protein 21 isoform L [Homo sapiens]	S1003	1.48	0.86	IQPLEPDsPTGLSENPTPATEK	1	2	6	0	2ｧTMT6plex [N-Term; K22]; 1ｧPhospho [S8(99)]	S8(Phospho): 98.65	S(8): 98.7; T(10): 1.3; S(13): 0.0; T(17): 0.0; T(20): 0.0	IQPLEPDsPTGLSEN	S8;	High	2859.442906	1.89	13.14	4	16	2	2	67.91	High	0.1324	3.563509703	High	0.0478	Yes
NP_055662.3	9898	188497758	UBAP2L	ubiquitin-associated protein 2-like isoform a [Homo sapiens]	S477	0.63	0.24	STSAPQMSPGSSDNQSSsPQPAQQK	1	4	23	0	2ｧTMT6plex [N-Term; K25]; 1ｧOxidation [M7(100)]; 1ｧPhospho [S8(100)]	M7(Oxidation): 100; S18(Phospho): 96.24	S(1): 0.0; T(2): 0.0; S(3): 0.0; S(8): 0.0; S(11): 0.1; S(12): 0.1; S(16): 0.1; S(17): 3.4; S(18): 96.2	SSDNQSSsPQPAQQK	S18;	High	3086.413808	263.36		1499.2		2	1	67.86	High	0.1618	4.464233398	High	0.0202	Yes
NP_001157789.1	2317	256222411	FLNB	filamin-B isoform 1 [Homo sapiens]	S2509	2.22	2.38	LVsPGSANETSSILVESVTR	1	4	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; T(10): 0.0; S(11): 0.0; S(12): 0.0; S(17): 0.0; T(19): 0.0	VTGQRLVsPGSANET	S3;	High	2355.200602					1	1	67.85	High	0.0735	6.441967964	High	0.0901	No
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S397	1.19	1.21	FNDsEGDDTEETEDYR	1	3	8	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(9): 0.0; T(12): 0.0; Y(15): 0.0	GKQKFNDsEGDDTEE	S4;	High	2230.849878	3.87	16.45	9.2	41.5	4	4	67.85	High	0.1176	6.034174919	High	0.2305	Yes
NP_001011713.2	122830	190341107	NAA30	N-alpha-acetyltransferase 30 [Homo sapiens]	S39	0.5	4.46	CPFPAGAALACCsEDEEDDEEHEGGGSR	1	1	2	0	1ｧTMT6plex [N-Term]; 3ｧCarbamidomethyl [C1; C11; C12]; 1ｧPhospho [S13(100)]	S13(Phospho): 100	S(13): 100.0; S(27): 0.0	GAALACCsEDEEDDE	S13;	High	3361.291831					1	1	67.84	High	0.3971	5.051464558	High	0.3149	Yes
NP_060633.1	55192	8922563	DNAJC17	dnaJ homolog subfamily C member 17 [Homo sapiens]	S112	1.12	0.96	QAQAQEsEEEEESR	1	1	6	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; S(13): 0.0	RQAQAQEsEEEEESR	S7;	High	1958.81779	1.33	5.25	2.1	7.2	2	2	67.83	High	0.4853	4.620551586	High	0.2316	Yes
NP_005219.2	1956	29725609	EGFR	epidermal growth factor receptor isoform a precursor [Homo sapiens]	T693	1.34	1.02	ELVEPLtPSGEAPNQALLR	1	1	4	0	1ｧTMT6plex [N-Term]; 2ｧDeamidated [N14(100); Q15(100)]; 1ｧPhospho [T7(100)]	T7(Phospho): 100; N14(Deamidated): 100; Q15(Deamidated): 100	T(7): 100.0; S(9): 0.0	RELVEPLtPSGEAPN	T7;	High	2345.18389	38.49		83.6		2	1	67.82	High	0.4706	3.490873575	High	0.1203	Yes
NP_056474.2	26156	118498359	RSL1D1	ribosomal L1 domain-containing protein 1 [Homo sapiens]	S361	1.07	1.28	ATNEsEDEIPQLVPIGK	1	1	12	0	2ｧTMT6plex [N-Term; K17]; 1ｧPhospho [S5(100)]	S5(Phospho): 100	T(2): 0.0; S(5): 100.0	QVKATNEsEDEIPQL	S5;	High	2378.225644	7.17	2.53	13.3	5.6	3	3	67.81	High	0.3382	4.220006943	High	0.0545	Yes
NP_060895.1	55361	13559514	PI4K2A	phosphatidylinositol 4-kinase type 2-alpha [Homo sapiens]	S47; S51	0.63	0.53	VAAAAGSGPsPPGsPGHDR	1	1	3	0	1ｧTMT6plex [N-Term]; 2ｧPhospho [S10(100); S14(100)]	S10(Phospho): 99.96; S14(Phospho): 100	S(7): 0.0; S(10): 100.0; S(14): 100.0	AAAGSGPsPPGSPGH;SGPSPPGsPGHDRER	S10; S14;	High	2076.910265					1	1	67.8	High	0.3824	3.909632683	High	0.4731	Yes;Yes
NP_056993.2	51594	41393547	NBAS	neuroblastoma-amplified sequence [Homo sapiens]	S473	0.98	0.64	AGEEDEGEEDsDSDYEISAK	1	1	4	0	2ｧTMT6plex [N-Term; K20]; 1ｧPhospho [S11(100)]	S11(Phospho): 100	S(11): 100.0; S(13): 0.0; Y(15): 0.0; S(18): 0.0	EDEGEEDsDSDYEIS	S11;	High	2713.128961	1.36	30.66	1.9	28.3	2	2	67.76	High	0.1765	5.337972641	High	0.0787	Yes
NP_006319.1	10432	5454064	RBM14	RNA-binding protein 14 isoform 1 [Homo sapiens]	T572	2	0.48	GQPGNAYDGAGQPSAAYLSMSQGAVANANStPPPYER	1	1	8	0	1ｧTMT6plex [N-Term]; 1ｧOxidation [M20(100)]; 1ｧPhospho [T31(96.3)]	M20(Oxidation): 100; T31(Phospho): 96.26	Y(7): 0.0; S(14): 0.0; Y(17): 0.0; S(19): 0.0; S(21): 0.0; S(30): 3.7; T(31): 96.3; Y(35): 0.0	AVANANStPPPYERT	T31;	High	4019.806854	11.57	116.59	33.7	94.1	2	2	67.75	High	0.2206	8.154722214	High	0.0196	Yes
NP_001005731.1	3691	54607033	ITGB4	integrin beta-4 isoform 3 precursor [Homo sapiens]	S1069	0.64	0.43	LLELQEVDsLLR	1	3	6	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	LELQEVDsLLRGRQV	S9;	High	1736.939684	15.43	157.65	13.9	121.8	2	2	67.71	High	0.9118	3.854527712	High	0.5169	Yes
NP_000170.1	2956	4504191	MSH6	DNA mismatch repair protein Msh6 isoform 1 [Homo sapiens]	S41	0.89	1.02	AAAAPGAsPSPGGDAAWSEAGPGPRPLAR	1	2	6	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S8(100)]	S8(Phospho): 99.98	S(8): 100.0; S(10): 0.0; S(18): 0.0	AAAAPGAsPSPGGDA	S8;	High	2951.436249	29.56	12.7	38.6	18.4	2	2	67.7	High	0.0294	6.900263309	High	0.0942	Yes
NP_002573.1	5073	4505611	PARN	poly(A)-specific ribonuclease PARN isoform 1 [Homo sapiens]	S163	0.08	1.3	SQANGAGALSYVsPNTSK	1	3	10	0	2ｧTMT6plex [N-Term; K18]; 1ｧDeamidated [N4(99.4)]; 1ｧPhospho [S13(100)]	N4(Deamidated): 99.35; S13(Phospho): 100	S(1): 0.0; S(10): 0.0; Y(11): 0.0; S(13): 100.0; T(16): 0.0; S(17): 0.0	AGALSYVsPNTSKCP	S13;	High	2291.132078	263	57.7	29.6	143.8	2	2	67.65	High	0.3529	3.658443928	High	0.0191	Yes
NP_056050.1	23283	14149675	CSTF2T	cleavage stimulation factor subunit 2 tau variant [Homo sapiens]	S563	0.96	1.14	QGGSQPSSFsPGQSQVTPQDQEK	1	1	4	0	2ｧTMT6plex [N-Term; K23]; 1ｧPhospho [S10(98.6)]	S10(Phospho): 98.64	S(4): 0.0; S(7): 0.0; S(8): 1.3; S(10): 98.6; S(14): 0.0; T(17): 0.0	GSQPSSFsPGQSQVT	S10;	High	2942.39333					1	1	67.57	High	0.1029	4.85481739	High	0.0722	Yes
NP_001272320.2	1827	557786111	RCAN1	calcipressin-1 isoform e [Homo sapiens]	S188; S192	2.64	0.84	QFLIsPPAsPPVGWK	1	9	4	0	2ｧTMT6plex [N-Term; K15]; 2ｧPhospho [S5(100); S9(100)]	S5(Phospho): 100; S9(Phospho): 100	S(5): 100.0; S(9): 100.0	PDKQFLIsPPASPPV;FLISPPAsPPVGWKQ	S5; S9;	High	2242.147866	0.64	6.13	2.4	7.3	2	2	67.57	High	0.9118	4.159493446	High	0.7308	No;No
NP_006087.2	10397	37655183	NDRG1	protein NDRG1 isoform 1 [Homo sapiens]	T328	1.64	0.83	SRtASGSSVTSLDGTR	1	3	7	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [T3(98.8)]	T3(Phospho): 98.78	S(1): 1.2; T(3): 98.8; S(5): 0.0; S(7): 0.0; S(8): 0.0; T(10): 0.0; S(11): 0.0; T(15): 0.0	TRLMRSRtASGSSVT	T3;	High	1890.911965	5.52	57.07	12.9	75.1	2	2	67.55	High	0.0441	5.048361778	High	0.0455	Yes
NP_835227.1	162427	30023820	FAM134C	protein FAM134C [Homo sapiens]	S320	1.16	0.62	GQTPLTEGSEDLDGHsDPEESFAR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S16(100)]	S16(Phospho): 100	T(3): 0.0; T(6): 0.0; S(9): 0.0; S(16): 100.0; S(21): 0.0	SEDLDGHsDPEESFA	S16;	High	2883.251921					1	1	67.47	High	0.3134	5.742043495	High	0.1794	Yes
NP_060340.2	54972	30089935	TMEM132A	transmembrane protein 132A isoform a precursor [Homo sapiens]	S530	0.48	0.47	VPGPAEGPAEPAAEAsDEAER	1	2	3	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S16(100)]	S16(Phospho): 100	S(16): 100.0	AEPAAEAsDEAERRA	S16;	High	2359.065231	79.59	81.69	58.1	57.9	2	2	67.47	High	1	5.553479195	High	0.7153	No
NP_203744.1	85377	31324577	MICALL1	MICAL-like protein 1 [Homo sapiens]	S578	0.24	7.68	VEQMPQAsPGLAPR	1	1	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0	VEQMPQAsPGLAPRT	S8;	High	1789.886936	17.29	7.67	5.8	100	2	2	67.47	High	1	5.069992065	High	0.6667	Yes
NP_036515.4	26578	166235148	OSTF1	osteoclast-stimulating factor 1 [Homo sapiens]	S202; S213	2.61	0.95	TLsNAEDYLDDEDsD	1	1	3	0	1ｧTMT6plex [N-Term]; 2ｧPhospho [S3(100); S14(100)]	S3(Phospho): 99.99; S14(Phospho): 100	T(1): 0.0; S(3): 100.0; Y(8): 0.0; S(14): 100.0	TDAVRTLsNAEDYLD;DYLDDEDsD_	S3; S14;	High	2090.756569					1	1	67.43	High	0.1343	3.977207899	High	0.0754	Yes;Yes
NP_060607.2	55170	227908867	PRMT6	protein arginine N-methyltransferase 6 [Homo sapiens]	T21	1.74	1.46	KLESGGGGEGGEGtEEEDGAER	1	1	2	1	2ｧTMT6plex [N-Term; K]; 1ｧPhospho [T14(100)]	T14(Phospho): 100	S(4): 0.0; T(14): 100.0	GGEGGEGtEEEDGAE	T14;	High	2688.203798					1	1	67.38	High	0.8806	5.039112568	High	0.5238	Yes
NP_055263.2	27237	163792208	ARHGEF16	rho guanine nucleotide exchange factor 16 [Homo sapiens]	S107	1.73	1.4	HQsFGAAVLSR	1	1	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(10): 0.0	KTPARHQsFGAAVLS	S3;	High	1481.746344	2.15	4.27	5.3	8.5	2	2	67.35	High	0.9254	6.180232525	High	0.5113	Yes
NP_005522.2	3428	112789562	IFI16	gamma-interferon-inducible protein 16 isoform 2 [Homo sapiens]	S153	0.21	6.13	VSEEQTQPPsPAGAGMSTAMGR	1	1	6	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S10(100)]	S10(Phospho): 100	S(2): 0.0; T(6): 0.0; S(10): 100.0; S(17): 0.0; T(18): 0.0	EEQTQPPsPAGAGMS	S10;	High	2498.125405	327.06		128.4		2	1	67.32	High	0.1791	6.32081461	High	0.2358	Yes
NP_055109.1	23471	7657655	TRAM1	translocating chain-associated membrane protein 1 [Homo sapiens]	S365	0.77	0.71	GTENGVNGTLTSNVADsPR	1	1	4	0	1ｧTMT6plex [N-Term]; 2ｧDeamidated [N4(100); N7(100)]; 1ｧPhospho [S17(100)]	N4(Deamidated): 100; N7(Deamidated): 100; S17(Phospho): 100	T(2): 0.0; T(9): 0.0; T(11): 0.0; S(12): 0.0; S(17): 100.0	LTSNVADsPRNKKEK	S17;	High	2199.996818	8.15	47.97	8.9	50.9	2	2	67.3	High	0.403	4.903625965	High	0.2592	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells.

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlanEvidence
NP_001245303.1	58513	385428859	EPS15L1	epidermal growth factor receptor substrate 15-like 1 isoform 1 [Homo sapiens]	S255	1.3	0.37	STPSHGSVSSLNSTGSLsPK	1	4	10	0	2?TMT6plex [N-Term; K20]; 1?Phospho [S18(100)]	S18(Phospho): 100	S(1): 0.0; T(2): 0.0; S(4): 0.0; S(7): 0.0; S(9): 0.0; S(10): 0.0; S(13): 0.0; T(14): 0.0; S(16): 0.0; S(18): 100.0	LNSTGSLsPKHSLKQ	S18;	High	2468.243419	6.1	40.25	13.8	26.1	3	3	67.27	High	0.209	9.546985626	High	0.0628	Yes
NP_060757.4	94134	26986534	ARHGAP12	rho GTPase-activating protein 12 isoform 1 [Homo sapiens]	S215	1.07	0.71	BKQDSEsGDELSSSSTEQIR	1	6	3	0	1?TMT6plex [N-Term]; 1?Phospho [S7(100)]	S7(Phospho): 100	S(5): 0.0; S(7): 100.0; S(12): 0.0; S(13): 0.0; S(14): 0.0; S(15): 0.0; T(16): 0.0	RBKQDSEsGDELSSS	S7;	High	2514.119451			1	1	1	1	67.17	High	0.0299	6.524556637	High	0.0552	Yes
NP_001070736.1	84936	116268103	ZFYVE19	abscission/NoCut checkpoint regulator isoform 1 [Homo sapiens]	S354	1.16	1.58	LPDsDDDEDEETAIQR	1	4	4	0	1?TMT6plex [N-Term]; 1?Phospho [S4(100)]	S4(Phospho): 100	S4): 100.0; T(12): 0.0	QDYRLPDsDDDEDEE	S4;	High	2156.906099	32.02	26.65	56.6	65	2	2	67.16	High	0.8955	4.396974087	High	0.5	Yes
NP_005549.2	3898	20070205	LAD1	ladinin-1 [Homo sapiens]	S38	0.31	0.15	HRNLsSTTDDEAPR	1	1	2	1	1?TMT6plex [N-Term]; 1?Phospho [S5(100)]	S5(Phospho): 99.99	S(5): 100.0; S(6): 0.0; T(7): 0.0; T(8): 0.0	RRRHRNLsSTTDDEA	S5;	High	1907.880999			1	1	1	1	67.09	High	0.209	4.657148838	High	0.0708	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S931	0.75	0.42	SHsGSSSPSPSR	1	1	4	0	1?TMT6plex [N-Term]; 1?Phospho [S3(99.2)]	S3(Phospho): 99.16	S(1): 0.8; S(3): 99.2; S(5): 0.0; S(6): 0.0; S(7): 0.0; S(9): 0.0; S(11): 0.0	SPRQRSHsGSSSPSP	S3;	High	1481.658317	28.65	10.03	31.1	6	2	2	67.07	High	0.209	5.383446693	High	0.0855	Yes
NP_006182.2	5036	124494254	PA2G4	proliferation-associated protein 2G4 [Homo sapiens]	T386	0.93	0.95	TAENATSGEsLEENEAGD	1	1	3	0	1?TMT6plex [N-Term]; 1?Phospho [T10(100)]	T10(Phospho): 99.98	T(1): 0.0; T(6): 0.0; S(7): 0.0; T(10): 100.0	ENATSGEsLEENEAG	T10;	High	2146.886263			1	1	1	1	67.06	High	0.5075	3.083073616	High	0.237	Yes
NP_361013.3	7798	216548085	LUZP1	leucine zipper protein 1 [Homo sapiens]	S659	1.39	1.23	EKPDsDDDLDIASLVTAK	1	1	2	0	3?TMT6plex [N-Term; K2; K18]; 1?Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(13): 0.0; T(16): 0.0	SGREKPDsDDDLDIA	S5;	High	2699.399534			1	1	1	1	67.05	High	0.7761	4.953914642	High	0.402	Yes
NP_055991.1	23219	7662158	FBXO28	F-box only protein 28 isoform a [Homo sapiens]	S344	0.87	1.77	EVMESAVGNSSCSGQNEsPR	1	1	2	0	1?TMT6plex [N-Term]; 1?Oxidation [M3(100)]; 1?Phospho [S19(100)]	M3(Oxidation): 100; S19(Phospho): 100	S(5): 0.0; S(10): 0.0; S(11): 0.0; S(13): 0.0; S(19): 100.0	GSGQNEEsPRKRKKA	S19;	High	2476.049657			1	1	1	1	67.02	High	0.403	6.328314781	High	0.1912	Yes
NP_055885.3	23091	116008442	ZC3H13	zinc finger CCCH domain-containing protein 13 [Homo sapiens]	S993	1.03	1.09	GNIETTSEDGQVFsPK	1	1	3	0	2?TMT6plex [N-Term; K16]; 1?Deamidated [N2(100)]; 1?Phospho [S14(100)]	N2(Deamidated): 100; S14(Phospho): 100	T(5): 0.0; T(6): 0.0; S(7): 0.0; S(14): 100.0	SEDGQVFsPKKGQKK	S14;	High	2248.078645			1	1	67	High	0.7761	4.392591476	High	0.4396	Yes
NP_003137.1	6749	4507241	SSRP1	FACT complex subunit SSRP1 [Homo sapiens]	S437; S444	1.79	0.99	EGMNPsYDEYADsDEDQHDAYLER	1	1	3	0	1?TMT6plex [N-Term]; 1?Oxidation [M3(100)]; 2?Phospho [S6(100); S13(100)]	M3(Oxidation): 100; S6(Phospho): 100; S13(Phospho): 100	S(6): 100.0; Y(7): 0.0; Y(10): 0.0; S(13): 100.0, Y(21): 0.0	LKEGMNPsYDEYADsDS YDEYADsDEDQHDA	S6; S13;	High	3254.20201			1	1	66.97	High	0.0746	4.054432869	High	0.0222	Yes;Yes
NP_057085.2	51096	118344456	UTP18	U3 small nucleolar RNA-associated protein 18 homolog [Homo sapiens]	S121; S124	1.32	1.19	VQEHEDsGDsEVENEAK	1	1	7	0	2?TMT6plex [N-Term; K17]; 2?Phospho [S7(100); S10(100)]	S7(Phospho): 100; S10(Phospho): 100	S(7): 100.0; S(10): 100.0	RVQEHEDsGDSEVENEH,EH EDSGDsEVENEAK	S7; S10;	High	2520.05806	1.85	0.87	4.2	1.8	3	3	66.88	High	1	6.808087826	High	0.7592	Yes;Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	T201	0.59		NGNGGPGPYVGQAGTAtLPR	1	15	2	0	1?TMT6plex [N-Term]; 3?Deamidated [N1(100); N3(100); Q12(100)]; 1?Phospho [T17(100)]	N1(Deamidated): 100; N3(Deamidated): 100; Q12(Deamidated): 100; T17(Phospho): 99.96	Y(9): 0.0; T(15): 0.0; T(17): 100.0	VGQAGTAtLPRNFHY	T17;	High	2196.01716				1	1	66.87	High	0.2836	3.496929646	High	0.1057	Yes
NP_110382.3	81542	151101292	TMX1	thioredoxin-related transmembrane protein 1 precursor [Homo sapiens]	S247	0.1	0.75	KVEEEQEADEEDVsEEEAESK	1	1	5	1	3?TMT6plex [N-Term; K21; K]; 1?Phospho [S14(100)]	S14(Phospho): 100	S(14): 100.0; S(20): 0.0	EADEEDVsEEEAESK	S14;	High	3205.4764			1	1	66.86	High	0.4179	4.807724953	High	0.237	Yes
NP_005911.1	4209	5174545	MEF2D	myocyte-specific enhancer factor 2D isoform 1 [Homo sapiens]	S231	0.68	1.1	AsPGLLPVANGNSLNK	1	2	5	0	2?TMT6plex [N-Term; K16]; 1?Deamidated [N10(100)]; 1?Phospho [S2(100)]	S2(Phospho): 100; N10(Deamidated): 99.99	S(2): 100.0; S(13): 0.0	GYVSARAsPGLLPVA	S2;	High	2091.125142			1	1	66.81	High	0.1493	4.656095296	High	0.0043	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	T1003	0.79	1.39	AQPPGPSLSGSK	1	1	3	0	2?TMT6plex [N-Term; K13]; 1?Phospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; S(8): 0.0; S(10): 0.0; S(12): 0.0	YPKVKAQtPPGPSLS	T3;	High	1764.929737			1	1	66.8	High	0.5522	4.529008865	High	0.4437	Yes
NP_001258928.1	85440	431822375	DOCK7	dedicator of cytokinesis protein 7 isoform 1 [Homo sapiens]	S864	0.95	0.91	LPNTYPNSSsPGPGGLGGSVHYATMAR	1	4	3	0	1?TMT6plex [N-Term]; 1?Oxidation [M25(100)]; 1?Phospho [S10(97.9)]	S10(Phospho): 97.9; M25(Oxidation): 100	T(4): 0.0; Y(5): 0.0; S(8): 0.0; S(9): 2.1; S(10): 97.9; S(19): 0.0; Y(22): 0.0; T(24): 0.0	NTYPNSSsPGPGGLG	S10;	High	3013.407651			1	1	66.79	High	0.1045	4.39030695	High	0.0228	Yes
NP_057404.2	4928	21264365	NUP98	nuclear pore complex protein Nup98-Nup96 isoform 1 [Homo sapiens]	S606	0.93	1.39	DSENLAsPSEYPENGER	1	4	4	0	1?TMT6plex [N-Term]; 1?Deamidated [N14(100)]; 1?Phospho [S7(100)]	S7(Phospho): 100; N14(Deamidated): 100	S(2): 0.0; S(7): 100.0, S(9): 0.0; Y(11): 0.0	RDSENLAsPSEYPEN	S7;	High	2203.922984	19.15	23.6	25.6	49.1	2	2	66.67	High	0.3881	5.723307133	High	0.1556	Yes
NP_005426.2	7984	50959191	ARHGEF5	rho guanine nucleotide exchange factor 5 [Homo sapiens]	S445; S450	1.04	1.33	AEELsPAALsPSLEPR	1	2	2	0	1?TMT6plex [N-Term]; 2?Phospho [S5(100); S10(100)]	S5(Phospho): 100; S10(Phospho): 100	S(5): 100.0; S(10): 100.0; S(12): 0.0	ESRAEELsPAALsPSLESP AALsPSLEPR	S5; S10;	High	2169.044299			1	1	66.59	High	0.3284	3.596442461	High	0.6333	Yes;Yes
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S50	0.17	0.3	VsLAGACGVGGYGSR	1	1	13	0	1?TMT6plex [N-Term]; 1?Carbamidomethyl [C7]; 1?Phospho [S2(100)]	S2(Phospho): 100	S(2): 100.0, Y(12): 0.0; S(14): 0.0	GGGFGRVsLAGACGV	S2;	High	1719.808686	164.33	39	74.9	28.9	6	6	66.57	High	0.9403	6.159484863	High	0.6964	Yes
NP_612429.2	113146	156760950	AHNAK2	protein AHNAK2 [Homo sapiens]	S294	0.49	0.74	DAHDVsPTSTDTEAQLTVER	1	1	8	0	1?TMT6plex [N-Term]; 1?Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; T(8): 0.0, S(9): 0.0; T(10): 0.0; T(12): 0.0; T(17): 0.0	PRDAHDVsPTSTDTE	S6;	High	2481.134373	47.58	7.83	42.3	10.1	3	3	66.53	High	0.2388	6.270886421	High	0.1228	Yes
NP_055330.1	4848	7657385	CNOT2	CCR4-NOT transcription complex subunit 2 [Homo sapiens]	S165	0.26	11.07	TNSMSSSGLGsPNR	1	1	2	0	1?TMT6plex [N-Term]; 1?Phospho [S11(100)]	S11(Phospho): 100	T(1): 0.0; S(3): 0.0; S(5): 0.0; S(6): 0.0; S(7): 0.0; S(11): 100.0	MSSSGLGsPNRSSPS	S11;	High	1703.76213			1	1	66.5	High	0.5758	3.38531065	High	0.3333	Yes
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S573; S574	0.28	0.34	GLGVGFGSGGGSSsVK	1	1	13	0	2?TMT6plex [N-Term; K17]; 2?Phospho [S14(100); S15(100)]	S14(Phospho): 99.96; S15(Phospho): 100	S(8): 0.0; S(12): 0.0; S(13): 0.0; S(14): 100.0, S(15): 100.0	GSGGGSSsSVKFVST;SG GGSSSsVKFVSTT	S14; S15;	High	2057.971023			1	1	66.49	High	0.0455	4.190469265	High	0.0143	No;Yes
NP_203744.1	85377	31324577	MICALL1	MICAL-like protein 1 [Homo sapiens]	S578	1.48	0.56	VEQMPQAsPGLAPR	1	1	18	0	1?TMT6plex [N-Term]; 1?Oxidation [M4(100)]; 1?Phospho [S8(100)]	M4(Oxidation): 100; S8(Phospho): 100	S(8): 100.0	VEQMPQAsPGLAPRT	S8;	High	1805.881851	4.6	36.48	19.5	63.4	8	8	66.42	High	1	5.549781799	High	0.6577	Yes
NP_006288.2	7515	190684675	XRCC1	DNA repair protein XRCC1 [Homo sapiens]	S226	0.88		TSPVTASDPAGPSYAAATLQASSAASSAsPVSR	1	1	3	0	1?TMT6plex [N-Term]; 1?Phospho [S29(98)]	S29(Phospho): 97.96	T(1): 0.0; S(2): 0.0, T(5): 0.0; S(7): 0.0; S(13): 0.0; Y(14): 0.0; T(18): 0.0; S(22): 0.0; S(23): 0.0; S(26): 0.0; S(27): 2.0; S(29): 98.0; S(32): 0.0	SSAASSAsPVSRAIG	S29;	High	3372.615789			1	1	66.41	High	0.0303	4.770628929	High	0.0524	Yes
NP_009298.1	27	6382062	ABL2	Abelson tyrosine-protein kinase 2 isoform b [Homo sapiens]	S620	1.72	1.85	GAQASSGsPALPR	1	7	7	0	1?TMT6plex [N-Term]; 1?Phospho [S8(100)]	S8(Phospho): 100	S(5): 0.0; S(6): 0.0; S(8): 100.0	GAQASSGsPALPRKQ	S8;	High	1507.746738	0.76	14.14	1.8	38.2	2	2	66.4	High	0.2576	5.326406956	High	0.1482	Yes
NP_060493.3	55689	33620755	YEATS2	YEATS domain-containing protein 2 [Homo sapiens]	S536	0.93	0.66	RSTASQVSQGTGsPVPK	1	1	2	0	2?TMT6plex [N-Term; K17]; 1?Phospho [S13(100)]	S13(Phospho): 100	S(2): 0.0; T(3): 0.0; S(5): 0.0; S(8): 0.0; T(11): 0.0; S(13): 100.0	QVSQGTGsPVPKIHG	S13;	High	2182.152085			1	1	66.37	High	0.303	4.667245388	High	0.0857	Yes
NP_067643.3	64236	311771772	PDLIM2	PDZ and LIM domain protein 2 isoform 2 [Homo sapiens]	S384	0.8	0.52	AGsPFSPPPSSSSLTGEAAISR	1	3	2	0	1?TMT6plex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0, S(6): 0.0, S(10): 0.0; S(11): 0.0; S(12): 0.0; S(13): 0.0; T(15): 0.0; S(21): 0.0	SLSPRAGsPFSPPPS	S3;	High	2412.164553			1	1	66.36	High	0.197	5.298511028	High	0.1377	No
NP_004073.2	1639	13259510	DCTN1	dynactin subunit 1 isoform 1 [Homo sapiens]	T108	2.34	2.08	QSQIQVFEDGADTTSPEtPDSSASK	1	4	3	0	2?TMT6plex [N-Term; K25]; 1?Phospho [T18(100)]	T18(Phospho): 100	S(2): 0.0, T(13): 0.0; T(14): 0.0; S(15): 0.0, T(18): 100.0; S(21): 0.0; S(22): 0.0; S(24): 0.0	ADTTSPEtPDSSASK	T18;	High	3163.472034			1	1	66.35	High	0.1364	4.945859909	High	0.1131	Yes
NP_001269058.1	85464	530788323	SSH2	protein phosphatase Slingshot homolog 2 isoform 1 [Homo sapiens]	T1449	0.86	0.46	TTNPFYNtM	1	2	4	0	1?TMT6plex [N-Term]; 1?Oxidation [M9(100)]; 1?Phospho [T8(100)]	T8(Phospho): 100; M9(Oxidation): 100	T(1): 0.0, T(2): 0.0; Y(6): 0.0, T(8): 100.0	TTNPFYNtM_	T8;	High	1413.53959	29.16	39.63	36.7	26.3	2	2	66.15	High	0.7424	3.331954956	High	0.3904	No
NP_116114.1	84811	14249338	BUD13	BUD13 homolog isoform 1 [Homo sapiens]	S271	1.04	1.8	ARHDsPDLAPNVTYSLPR	1	1	2	1	1?TMT6plex [N-Term]; 1?Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0, T(13): 0.0; Y(14): 0.0, S(15): 0.0	LRRARHDsPDLAPNV	S5;	High	2318.149176			1	1	66.11	High	0.8939	7.069848061	High	0.4484	Yes
NP_005617.2	6429	21361282	SRSF4	serine/arginine-rich splicing factor 4 [Homo sapiens]	S431	1.35	1.51	EGRGEsENAGTNQETR	1	1	6	1	1?TMT6plex [N-Term]; 1?Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0, T(11): 0.0; T(15): 0.0	QREGRGEsENAGTNQ	S6;	High	2043.893302	0.12	15.67	0.3	42.8	3	3	66.1	High	0.6667	4.683610439	High	0.2906	Yes
NP_001287875.1	54815	665821193	GATAD2A	transcriptional repressor p66-alpha isoform 1 [Homo sapiens]	S340	2.18	0.63	GTTATSAQAANSTPTSVASVVTSAEsPASR	1	2	3	0	1?TMT6plex [N-Term]; 1?Phospho [S25(98.8)]	S25(Phospho): 98.8	T(2): 0.0; T(3): 0.0; T(5): 0.0; S(6): 0.0; S(11): 0.0; T(12): 0.0; T(14): 0.0; S(15): 0.0; S(18): 0.0; T(21): 0.0; S(22): 0.0; S(25): 98.8; S(28): 1.2	SVVTSAEsPASRQAA	S25;	High	3045.457497			1	1	66.08	High	0.0303	4.628603458	High	0.054	Yes
NP_060404.3	55023	34996489	PHIP	PH-interacting protein [Homo sapiens]	S1783	0.91	1.02	TAFYNEDDsEEEQR	1	1	3	0	1?TMT6plex [N-Term]; 1?Phospho [S9(100)]	S9(Phospho): 100	T(1): 0.0; Y(4): 0.0; S(9): 100.0	AFYNEDDsEEEQRQL	S9;	High	2041.822541			1	1	66	High	0.803	4.163186073	High	0.5433	Yes
NP_003153.2	6801	51242945	STRN	striatin [Homo sapiens]	S245	1.15	0.84	FLESAAADFsDEDEDDDVDGRER	1	1	4	1	2?TMT6plex [N-Term; K22]; 1?Phospho [S10(100)]	S10(Phospho): 100	S(4): 0.0; S(10): 100.0	ESAAADFsDEDEDDD	S10;	High	3113.35125	0.55	9.18	0.9	10.9	2	2	65.94	High	0.3485	7.346228871	High	0.2503	Yes
NP_001002909.1	23131	50962882	GPATCH8	G patch domain-containing protein 8 isoform 1 [Homo sapiens]	S1107	0.95	1.36	KPsVSEEVQATPNK	1	3	4	0	3?TMT6plex [N-Term; K14; K]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0, S(5): 0.0; T(11): 0.0	RKVERKPsVSEEVQA	S3;	High	2281.240789	4.69	0.74	6.3	1.4	2	2	65.93	High	0.3333	7.369263172	High	0.0991	Yes
NP_055792.1	22985	7662238	ACIN1	apoptotic chromatin condensation inducer in the nucleus isoform 1 [Homo sapiens]	T254	1.13	1.12	LSEGSQPAEEEEDQEtPSR	1	3	10	0	1?TMT6plex [N-Term]; 1?Phospho [T16(98.9)]	T16(Phospho): 98.92	S(2): 0.0; S(3): 0.0; T(16): 98.9; S(18): 1.1	EEEEDQEtPSRNLRV	T16;	High	2427.039804	1.26	19.57	2.5	39.5	3	3	65.92	High	0.0303	6.301168442	High	0.054	Yes
NP_057085.2	51096	118344456	UTP18	U3 small nucleolar RNA-associated protein 18 homolog [Homo sapiens]	S206; S210	1.4	0.74	KTsDDEsEEDEDDLLQR	1	1	2	1	2?TMT6plex [N-Term; K]; 1?Deamidated [Q17(100)]; 2?Phospho [S4(98.9); S8(100)]	S4(Phospho): 98.93; S8(Phospho): 100; Q17(Deamidated): 100	T(2): 0.0, S(3): 1.1; S(4): 98.9; S(8): 100.0	TTKRKTsDDEsEEDEDKT SSDDEsEEDEDDL	S4; S8;	High	2730.132013			1	1	65.84	High	0.1364	4.849338055	High	0.0825	Yes;Yes
NP_116294.1	84991	14249678	RBM17	splicing factor 45 [Homo sapiens]	S155	1.27	2	RPDPDsDEDEDYER	1	1	8	0	1?TMT6plex [N-Term]; 1?Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0, Y(12): 0.0	ARRPDPDsDEDEDYE	S6;	High	2046.812704	21.52	14.45	59.1	62.9	4	4	65.8	High	1	4.270690918	High	0.3841	Yes
NP_112533.1	3181	14043072	HNRNPA2B1	heterogeneous nuclear ribonucleoproteins A2/B1 isoform B1 [Homo sapiens]	S259	1.56	4.52	GFGDGYNGYGGGPGGGNFGGsPGYGGGR	1	2	2	0	1?TMT6plex [N-Term]; 1?Phospho [S21(100)]	S21(Phospho): 100	Y(6): 0.0; Y(9): 0.0; S(21): 100.0; Y(24): 0.0	GGGNFGGsPGYGGGR	S21;	High	2804.168801			1	1	65.7	High	0.3788	4.088186741	High	0.1369	Yes
NP_057626.2	51765	15011880	STK26	serine/threonine-protein kinase 26 isoform 1 [Homo sapiens]	T178	0.85	9.98	RNdFVGTPFWMAPEVIQQSAYDSK	1	3	2	1	2?TMT6plex [N-Term; K24]; 1?Phospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; T(7): 0.0, S(19): 0.0; Y(21): 0.0; S(23): 0.0	DTQIKRNFVGTPFW	T3;	High	3310.637206			1	1	65.69	High	0.0909	4.732749462	High	0.0973	Yes
NP_006847.1	11016	5802980	ATF7	cyclic AMP-dependent transcription factor ATF-7 isoform 2 [Homo sapiens]	T53	2.01	1.16	TDSVIIADQTPtPTR	1	3	5	0	1?TMT6plex [N-Term]; 1?Phospho [T12(100)]	T12(Phospho): 99.99	T(1): 0.0; S(3): 0.0; T(10): 0.0; T(12): 100.0; T(14): 0.0	IIADQTPtPTRFLKN	T12;	High	1923.962604	15.35	9.93	45.9	16.4	2	2	65.64	High	0.197	4.824945927	High	0.0041	Yes
NP_055475.2	9678	55769548	PHF14	PHD finger protein 14 [Homo sapiens]	S294	2.91	1.19	NSADDEELTNDSLTLsQSK	1	1	6	0	2?TMT6plex [N-Term; K19]; 1?Phospho [S16(98.8)]	S16(Phospho): 98.77	S(2): 0.0; T(9): 0.0; S(12): 0.0; T(14): 0.0; S(16): 98.8; S(18): 1.2	TNDSLTLsQSKSNED	S16;	High	2605.228222	1.61	16.39	8.1	34.8	3	3	65.64	High	0.2576	4.028008461	High	0.0769	Yes
NP_006485.2	2077	156104872	ERF	ETS domain-containing transcription factor ERF isoform 1 [Homo sapiens]	T526	1.55	1.34	GEGPGEAGGPLtPR	1	2	4	0	1?TMT6plex [N-Term]; 1?Phospho [T12(100)]	T12(Phospho): 100	T(12): 100.0	GEAGGPLtPRRVSSD	T12;	High	1603.767867	2.8	19.54	6.2	38.3	2	2	65.59	High	1	4.904419899	High	0.7286	Yes
NP_000997.1	6189	4506723	RPS3A	40S ribosomal protein S3a isoform 1 [Homo sapiens]	S263	0.97	0.92	ADGYEPPVQEsV	1	1	2	0	1?TMT6plex [N-Term]; 1?Phospho [S11(100)]	S11(Phospho): 100	Y(4): 0.0; S(11): 100.0	YEPPVQEsV_	S11;	High	1599.7141			1	1	65.56	High	1	4.145158768	High	0.7542	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1083	1.23	0.95	QSHSEsPSLQSK	1	1	6	0	2?TMT6plex [N-Term; K12]; 1?Deamidated [Q10(100)]; 1?Phospho [S6(100)]	S6(Phospho): 100; Q10(Deamidated): 100	S(2): 0.0; S(4): 0.0; S(6): 100.0; S(8): 0.0; S(11): 0.0	VRQSHSEsPSLQSKS	S6;	High	1853.904644	3.74	0.64	7.9	1.1	3	3	65.53	High	0.3485	5.537713051	High	0.139	Yes
NP_001127910.1	90102	197313730	PHLDB2	pleckstrin homology-like domain family B member 2 isoform a [Homo sapiens]	S513	1.28	2.54	KDsLPDADLASCGSLSQSSASFFTPR	1	3	2	1	2?TMT6plex [N-Term; K]; 1?Carbamidomethyl [C12]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(11): 0.0; S(14): 0.0; S(16): 0.0; S(18): 0.0; S(19): 0.0; S(21): 0.0; T(24): 0.0	YRCHRKDsLPDADLA	S3;	High	3282.575394			1	1	65.53	High	0.4545	4.02144146	High	0.3483	Yes
NP_073587.1	64761	12232413	PARP12	poly [ADP-ribose] polymerase 12 [Homo sapiens]	S263	0.96	1.2	DSSGSVsPNTLSQEEGDQICLYHR	1	1	2	0	1?TMT6plex [N-Term]; 1?Carbamidomethyl [C20]; 1?Phospho [S7(100)]	S7(Phospho): 99.98	S(2): 0.0; S(3): 0.0; S(5): 0.0; S(7): 100.0; T(10): 0.0; S(12): 0.0; Y(22): 0.0	KDSSGSVsPNTLSQE	S7;	High	3101.408439			1	1	65.5	High	0.1667	5.275038242	High	0.0606	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_001032412.2	85441	156105693	HELZ2	helicase with zinc finger domain 2 isoform 1 [Homo sapiens]	S338	1.69	1.38	SSVASGPIsPTNYR	1	1	7	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(1): 0.0; S(2): 0.0; S(5): 0.0; S(9): 100.0; T(11): 0.0; Y(13): 0.0	SVASGPIsPTNYRQR	S9;	High	1744.846846	1.08	3.66	3.2	8.8	3	3	65.49	High	0.0615	4.156343937	High	0.0625	Yes
NP_001269533.1	10728	543583697	PTGES3	prostaglandin E synthase 3 isoform e [Homo sapiens]	S117	0.65	2.15	DWEDDsDEDMSNFDR	1	4	4	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M10(100)]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100; M10(Oxidation): 100	S(6): 100.0; S(11): 0.0	WKDWEDDsDEDMSNF	S6;	High	2200.785169	40.56	0.51	38.3	1.6	2	2	65.46	High	0.7231	3.078243017	High	0.2403	No
NP_116126.3	84823	388240801	LMNB2	lamin-B2 [Homo sapiens]	S424	0.72	0.8	ATSSSSGsLSATGR	1	1	17	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S8(100)]	S8(Phospho): 99.98	T(2): 0.0; S(3): 0.0; S(4): 0.0; S(5): 0.0; S(6): 0.0; S(8): 100.0; S(10): 0.0; T(12): 0.0	ATSSSSGsLSATGRL	S8;	High	1577.736961	10.54	18.06	15.2	29.6	4	4	65.36	High	0.1846	4.196489811	High	0.0238	No
NP_690852.1	222229	23097240	LRWD1	leucine-rich repeat and WD repeat-containing protein 1 [Homo sapiens]	S251	0.84	1.32	ACAsPSAQVEGSPVAGSDGSQPAVK	1	1	4	0	2ﾗTMT6plex [N-Term; K25]; 1ﾗCarbamidomethyl [C2]; 1ﾗPhospho [S4(98.5)]	S4(Phospho): 98.52	S(4): 98.5; S(6): 1.5; S(12): 0.0; S(17): 0.0; S(20): 0.0	PSKRACAsPSAQVEG	S4;	High	2895.395973					1	1	65.31	High	0.0308	5.772994518	High	0.0173	Yes
NP_004883.3	9554	380837121	SEC22B	vesicle-trafficking protein SEC22b precursor [Homo sapiens]	S137	0.24	2.7	NLGsINTELQDVQR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(7): 0.0	RARRNLGsINTELQD	S4;	High	1895.942537					1	1	65.31	High	0.6	4.262397289	High	0.1761	No
NP_056381.1	26049	153792633	FAM169A	soluble lamin-associated protein of 75 kDa [Homo sapiens]	S447	1.39	1.2	TSLITEEEDsTSEVLDEELK	1	1	3	0	2ﾗTMT6plex [N-Term; K20]; 1ﾗPhospho [S10(98.7)]	S10(Phospho): 98.72	T(1): 0.0; S(2): 0.0; T(5): 0.0; S(10): 98.7; T(11): 1.3; S(12): 0.0	LITEEEDsTSEVLDE	S10;	High	2805.358233					1	1	65.28	High	0.1385	5.685434341	High	0.0141	Yes
NP_055518.1	9730	7662316	VPRBP	protein VPRBP isoform 1 [Homo sapiens]	S1000	1.34	0.81	HLPsPPTLDSIITEYLR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(7): 0.0; S(10): 0.0; T(13): 0.0; Y(15): 0.0	QLDRHLPsPPTLDSI	S4;	High	2261.178016	18.21	7.35	35.4	8.5	2	2	65.22	High	0.3692	5.603644371	High	0.2179	Yes
NP_775752.1	126353	27735067	MISP	mitotic interactor and substrate of PLK1 [Homo sapiens]	S394	0.33	0.47	ALsSDSILSPAPDAR	1	1	8	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; S(4): 0.0; S(6): 0.0; S(9): 0.0	PGLRRALsSDSILSP	S3;	High	1808.899275	78.29	82.78	47.5	75.1	3	3	65.21	High	0.2154	3.98141551	High	0.108	Yes
NP_056285.1	26056	24308075	RAB11FIP5	rab11 family-interacting protein 5 [Homo sapiens]	S395	1.62	2.41	SNsSSEAVLGQEELSAQAK	1	1	8	0	2ﾗTMT6plex [N-Term; K19]; 1ﾗPhospho [S1(99)]	S3(Phospho): 98.09	S(1): 1.0; S(3): 98.1; S(4): 1.0; S(5): 0.0; S(15): 0.0	PRGSRSNsSSEAVLG	S3;	High	2473.222349					1	1	65.19	High	0.0462	6.33249712	High	0.0111	Yes
NP_059990.2	54737	41055989	MPHOSPH8	M-phase phosphoprotein 8 [Homo sapiens]	S51	1.05	1.28	GAEAFGDsEEDGEDVFEVEK	1	1	4	0	2ﾗTMT6plex [N-Term; K20]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0	GAEAFGDsEEDGEDV	S8;	High	2697.185689					1	1	65.18	High	0.9538	4.039305687	High	0.6856	Yes
NP_061973.1	55929	13123776	DMAP1	DNA methyltransferase 1-associated protein 1 [Homo sapiens]	T445	1.49	3.97	DTIIDVVGAPLtPNSR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T12(99)]	T12(Phospho): 99.99	T(2): 0.0; T(12): 100.0; S(15): 0.0	DVVGAPLtPNSRKRR	T12;	High	1977.025538					1	1	65.17	High	0.2615	4.713095665	High	0.0637	Yes
NP_079104.3	79886	262527223	CAAP1	caspase activity and apoptosis inhibitor 1 isoform 1 [Homo sapiens]	S312		2.64	SVNEILGLAESsPNEPK	1	2	4	0	2ﾗTMT6plex [N-Term; K17]; 1ﾗPhospho [S12(99)]	S12(Phospho): 98.97	S(1): 0.0; S(11): 1.0; S(12): 99.0	ILGLAESsPNEPKAA	S12;	High	2322.199429						1	65.09	High	0.8154	3.554923773	High	0.0197	Yes
NP_056170.2	23512	197333809	SUZ12	polycomb protein SUZ12 [Homo sapiens]	S546	1.07	0.7	ASMSEFLEsEDGEVEQQR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M3(100)]; 1ﾗPhospho [S9(100)]	M3(Oxidation): 100; S9(Phospho): 100	S(2): 0.0; S(4): 0.0; S(9): 100.0	SMSEFLEsEDGEVEQ	S9;	High	2396.016232	20.59	21.11	32.1	21.1	2	2	65.05	High	0.6154	5.847464085	High	0.3145	Yes
NP_006232.1	5504	5453946	PPP1R2	protein phosphatase inhibitor 2 isoform 2 [Homo sapiens]	S121; S122	1.18	0.72	IQEQEssGEEDSDLSPEER	1	3	2	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S6(100); S7(100)]	S6(Phospho): 100; S7(Phospho): 100	S(6): 100.0; S(7): 100.0; S(12): 0.0; S(15): 0.0	YRIQEQEsSGEEDSD;RIQEQESsGEEDSDL	S6; S7;	High	2553.011614					1	1	65.03	High	0.4308	5.902231216	High	0.3288	Yes;Yes
NP_055820.2	283638	326319990	CEP170B	centrosomal protein of 170 kDa protein B isoform 2 [Homo sapiens]	S1065	0.87	1.02	LGDAsDTEAADGER	1	2	5	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; T(7): 0.0	RARLGDAsDTEAADG	S5;	High	1715.732269	9.7	5.03	12	7.2	2	2	65.02	High	0.1231	4.354662895	High	0.0506	No
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5841	0.96	1.33	GHYEVTGsDDETGKLQGSGVSLASK	1	1	14	1	3ﾗTMT6plex [N-Term; K14; K25]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	Y(3): 0.0; T(6): 0.0; S(8): 100.0; T(12): 0.0; S(18): 0.0; S(21): 0.0; S(24): 0.0	GHYEVTGsDDETGKL	S8;	High	3289.655642	8.47	9.58	14.1	22.4	3	3	65	High	0.0154	9.547962189	High	0.0618	Yes
NP_112533.1	3181	14043072	HNRNPA2B1	heterogeneous nuclear ribonucleoproteins A2/B1 isoform B1 [Homo sapiens]	S259	1.18	1.2	GFGDGYNGYGGGPGGGNFGGsPGYGGGR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [N7(100)]; 1ﾗPhospho [S21(100)]	N7(Deamidated): 100; S21(Phospho): 100	Y(6): 0.0; Y(9): 0.0; S(21): 100.0; Y(24): 0.0	GGGNFGGsPGYGGGR	S21;	High	2805.152817	16.82	20.52	28.5	35.9	2	2	64.96	High	0.5538	5.141047478	High	0.1012	Yes
NP_620305.2	6651	520261969	SON	protein SON isoform F [Homo sapiens]	S1556	1.09	0.71	EMEHNTVCAAGTsPVGEIGEEK	1	3	12	0	2ﾗTMT6plex [N-Term; K22]; 1ﾗCarbamidomethyl [C8]; 1ﾗOxidation [M2(100)]; 1ﾗPhospho [S13(100)]	M2(Oxidation): 100; S13(Phospho): 99.97	T(6): 0.0; T(12): 0.0; S(13): 100.0	TVCAAGTsPVGEIGE	S13;	High	2899.325511	2.78	11.39	6	16.2	4	4	64.92	High	0.1077	6.99423933	High	0.0315	Yes
NP_001163931.1	5127	281427158	CDK16	cyclin-dependent kinase 16 isoform 3 [Homo sapiens]	S169	1.08	2.75	MGSDGESDQASATSSDEVQsPVR	1	3	2	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M1(100)]; 1ﾗPhospho [S20(100)]	M1(Oxidation): 100; S20(Phospho): 100	S(3): 0.0; S(7): 0.0; S(11): 0.0; T(13): 0.0; S(14): 0.0; S(15): 0.0; S(20): 100.0	TSSDEVQsPVRVRMR	S20;	High	2665.11338					1	1	64.92	High	0.3385	4.010804176	High	0.2219	No
NP_004752.1	5863	4758532	RGL2	ral guanine nucleotide dissociation stimulator-like 2 isoform 1 [Homo sapiens]	S761	1.18	1.72	SSTATPGVTSGPSASGTPPSEGGGGsFPR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S26(100)]	S26(Phospho): 100	S(1): 0.0; S(2): 0.0; T(3): 0.0; T(5): 0.0; T(9): 0.0; S(10): 0.0; S(13): 0.0; S(15): 0.0; T(17): 0.0; S(20): 0.0; S(26): 100.0	PSEGGGGsFPRIKAT	S26;	High	2899.33084	24.37	0.89	42.3	2.1	2	2	64.9	High	0.1692	5.142591953	High	0.1148	Yes
NP_073568.2	64710	56118310	NUCKS1	nuclear ubiquitous casein and cyclin-dependent kinase substrate 1 [Homo sapiens]	S19	1.74	0.74	VVDYSQFQEsDDADEDYGRDSGPPTK	1	1	2	1	2ﾗTMT6plex [N-Term; K26]; 1ﾗDeamidated [Q8(98.1)]; 1ﾗPhospho [S10(100)]	Q8(Deamidated): 98.08; S10(Phospho): 100	Y(4): 0.0; S(5): 0.0; S(10): 100.0; Y(17): 0.0; S(21): 0.0; T(25): 0.0	DYSQFQEsDDADEDY	S10;	High	3459.515356					1	1	64.9	High	0.1538	4.646948338	High	0.0925	Yes
NP_001074324.1	5829	170932514	PXN	paxillin isoform 2 [Homo sapiens]	S106	0.78	0.8	TSSVSNPQDSVGsPCSR	1	3	5	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C15]; 1ﾗPhospho [S13(98.8)]	S13(Phospho): 98.79	T(1): 0.0; S(2): 0.0; S(3): 0.0; S(5): 0.0; S(10): 0.0; S(13): 98.8; S(16): 1.2	NPQDSVGsPCSRVGE	S13;	High	2073.910979	11.24	60.06	12.4	77	2	2	64.88	High	0.1538	4.355516911	High	0.0986	Yes
NP_000225.1	3978	4557719	LIG1	DNA ligase 1 isoform 1 [Homo sapiens]	S66; S76	0.89	1.71	VLGsEGEEEDEALsPAK	1	3	2	0	2ﾗTMT6plex [N-Term; K17]; 2ﾗPhospho [S4(100); S14(100)]	S4(Phospho): 100; S14(Phospho): 100	S(4): 100.0; S(14): 100.0	KAARVLGsEGEEEDE;EEEDEALsPAKGQKP	S4; S14;	High	2378.081755					1	1	64.84	High	1	4.722401619	High	0.6589	Yes;Yes
NP_004550.2	4904	34098946	YBX1	nuclease-sensitive element-binding protein 1 [Homo sapiens]	S314	1.9	1.56	AADPPAENSsAPEAEQGGAE	1	1	20	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S10(100)]	S10(Phospho): 99.97	S(9): 0.0; S(10): 100.0	DPPAENSsAPEAEQG	S10;	High	2206.933882	1.48	28.79	4	91	2	3	64.82	High	0.1846	4.379119873	High	0.0205	Yes
NP_001737.1	821	10716563	CANX	calnexin precursor [Homo sapiens]	S564	0.8	2.2	QKSDAEEDGGTVsQEEEDR	1	1	8	1	2ﾗTMT6plex [N-Term; K2]; 1ﾗPhospho [S3(100)]	S13(Phospho): 100	S(3): 0.0; T(11): 0.0; S(13): 100.0	EEDGGTVsQEEEDRK	S13;	High	2647.177249	9.02	3.25	12.5	12.4	3	3	64.79	High	0.9846	6.837533474	High	0.3889	Yes
NP_056018.2	23248	183396804	RPRD2	regulation of nuclear pre-mRNA domain-containing protein 2 isoform 1 [Homo sapiens]	S593	1.24	1.06	SFNYsPNSSTSEVSSTSASK	1	3	3	0	2ﾗTMT6plex [N-Term; K20]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; Y(4): 0.0; S(5): 100.0; S(8): 0.0; S(9): 0.0; T(10): 0.0; S(11): 0.0; S(14): 0.0; S(15): 0.0; T(16): 0.0; S(17): 0.0; S(19): 0.0	IPKSFNYsPNSSTSE	S5;	High	2605.207093					1	1	64.79	High	0.2923	5.936900616	High	0.0404	Yes
NP_006187.2	5093	222352151	PCBP1	poly(rC)-binding protein 1 [Homo sapiens]	S173	0.58	0.12	QICLVMLETLSQsPQGR	1	1	6	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C3]; 1ﾗOxidation [M6(100)]; 1ﾗPhospho [S13(100)]	M6(Oxidation): 100; S13(Phospho): 100	T(9): 0.0; S(11): 0.0; S(13): 100.0	MLETLSQsPQGRVMT	S13;	High	2285.123221					1	1	64.76	High	0.3077	6.485478878	High	0.0416	Yes
NP_001078923.1	28964	146231998	GIT1	ARF GTPase-activating protein GIT1 isoform 1 [Homo sapiens]	S397	0.73	1.61	SQSDLDDQHDYDSVAsDEDTDQEPLR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S16(100)]	S16(Phospho): 100	S(1): 0.0; S(3): 0.0; Y(11): 0.0; S(13): 0.0; S(16): 100.0; T(20): 0.0	HDYDSVAsDEDTDQE	S16;	High	3289.349129					1	1	64.62	High	0.1846	5.29953146	High	0.0887	No
NP_001138230.1	23187	221219024	PHLDB1	pleckstrin homology-like domain family B member 1 isoform a [Homo sapiens]	S1017	0.76	0.99	SALLTQNGTGsLPR	1	2	5	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T/S]	S11(Phospho): 99.98	S(1): 0.0; T(5): 0.0; T(9): 0.0; S(11): 100.0	LTQNGTGsLPRNLAA	S11;	High	1723.89413	3.78	13.62	4.1	19.3	2	2	64.61	High	0.3692	3.968630314	High	0.0856	Yes
NP_005511.1	3187	5031753	HNRNPH1	heterogeneous nuclear ribonucleoprotein H [Homo sapiens]	S104	1.41	1.85	HTGPNsPDTANDGFVR	1	2	11	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	T(2): 0.0; S(6): 100.0; T(9): 0.0	LKHTGPNsPDTANDG	S6;	High	1993.896649	5.17	9.62	18	45.9	6	6	64.6	High	0.3231	6.161741734	High	0.2159	Yes
NP_004492.2	3192	14141161	HNRNPU	heterogeneous nuclear ribonucleoprotein U isoform b [Homo sapiens]	S59	1.08	0.42	LQAALDDEEAGGRPAMEPGNGsLDLGGDSAGR	1	2	5	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M16(100)]; 1ﾗDeamidated [N20(100)]; 1ﾗPhospho [S22(100)]	M16(Oxidation): 100; N20(Deamidated): 100; S22(Phospho): 100	S(22): 100.0; S(29): 0.0	AMEPGNGsLDLGGDS	S22;	High	3452.547452	21.35	12.31	33.7	7.4	2	2	64.59	High	0.6	4.341444492	High	0.2742	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5731	0.46	1.03	GGVTGsPEASISGSK	1	1	7	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [S6(100)]	S6(Phospho): 98.79	T(4): 1.2; S(6): 98.8; S(10): 0.0; S(12): 0.0; S(14): 0.0	GKGGVTGsPEASISG	S6;	High	1871.951594	48.03	2.21	40.2	3.9	3	3	64.38	High	0.2656	5.002971649	High	0.056	Yes
NP_005582.1	4361	5031923	MRE11A	double-strand break repair protein MRE11A isoform 1 [Homo sapiens]	S688; S689	0.98	0.98	GVDFEssEDDDDDPFMNTSSLR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M16(100)]; 2ﾗPhospho [S6(100); S7(100)]	S6(Phospho): 100; S7(Phospho): 100; M16(Oxidation): 100	S(6): 100.0; S(7): 100.0; T(18): 0.0; S(19): 0.0; S(20): 0.0	SKGVDFEsSEDDDDD;KGVDFESsEDDDDDP	S6; S7;	High	2883.079042					1	1	64.34	High	0.7969	5.308820248	High	0.5913	Yes;Yes
NP_620147.1	123169	20270337	LEO1	RNA polymerase-associated protein LEO1 isoform 1 [Homo sapiens]	S658	1.4	1.66	KYVIsDEEEEDDD	1	2	4	1	2ﾗTMT6plex [N-Term; K]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	Y(2): 0.0; S(5): 100.0	KHKKYVIsDEEEEDD	S5;	High	2123.930978					1	1	64.24	High	1	3.540704727	High	0.2458	Yes
NP_003147.2	6786	21070997	STIM1	stromal interaction molecule 1 isoform 2 precursor [Homo sapiens]	S519	0.44	0.53	DLTHsDSESSLHMSDR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M13(100)]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100; M13(Oxidation): 100	T(3): 0.0; S(5): 100.0; S(7): 0.0; S(9): 0.0; S(10): 0.0; S(14): 0.0	SQRDLTHsDSESSLH	S5;	High	2141.900808	118.58	74.6	84.6	60.7	2	2	64.22	High	0.2188	5.115432262	High	0.1426	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S2272	1.36	0.81	TPAAAAAMNLAsPR	1	1	5	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M8(100)]; 1ﾗPhospho [S12(100)]	M8(Oxidation): 100; S12(Phospho): 100	T(1): 0.0; S(12): 100.0	AAAMNLAsPRTAVAP	S12;	High	1666.818523	23.21	0.16	46.9	0.2	2	2	64.21	High	0.9375	6.065029144	High	0.7611	Yes
NP_003397.1	7534	4507953	YWHAZ	14-3-3 protein zeta/delta [Homo sapiens]	S207		2.03	TAFDEAIAELDTLsEESYK	1	1	3	0	2ﾗTMT6plex [N-Term; K19]; 1ﾗPhospho [S14(98.9)]	S14(Phospho): 98.92	T(1): 0.0; T(12): 0.0; S(14): 98.9; S(17): 1.1; Y(18): 0.0	IAELDTLsEESYKDS	S14;	High	2670.283946						1	64.21	High	0.2969	3.625472307	High	0.0468	Yes
NP_073568.2	64710	56118310	NUCKS1	nuclear ubiquitous casein and cyclin-dependent kinase substrate 1 [Homo sapiens]	S19	0.53	1.67	KVVDYSQFQEsDDADEDYGR	1	1	2	1	2ﾗTMT6plex [N-Term; K]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	Y(5): 0.0; S(6): 0.0; S(11): 100.0; Y(18): 0.0	DYSQFQEsDDADEDY	S11;	High	2904.297699					1	1	64.17	High	0.4688	6.766350746	High	0.2363	Yes
NP_008993.1	11137	5902034	PWP1	periodic tryptophan protein 1 homolog [Homo sapiens]	S50	1.1	0.72	LQEEGGGsDEEETGSPSEDGMQSAR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M21(100)]; 1ﾗDeamidated [Q2(100)]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100; M21(Oxidation): 100; Q22(Deamidated): 100	S(8): 100.0; T(13): 0.0; S(15): 0.0; S(17): 0.0; S(23): 0.0	LQEEGGGsDEEETGS	S8;	High	2908.151281	17.26	53.7	27.3	59.1	2	2	64.16	High	0.3906	4.421459198	High	0.2081	Yes
NP_291028.3	112858	41327715	TP53RK	TP53-regulating kinase [Homo sapiens]	T8	1.55	1.03	ATtPADGEEPAPEAEALAAAR	1	1	7	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T3(98.7)]	T3(Phospho): 98.66	T(2): 1.3; T(3): 98.7	MAAARATtPADGEEP	T3;	High	2347.101616	7.08	18.63	15.6	27.6	2	2	64.12	High	1	5.72840929	High	0.0314	Yes
NP_006658.1	10857	5729875	PGRMC1	membrane-associated progesterone receptor component 1 isoform 1 [Homo sapiens]	S57	0.86	0.85	IVRGDQPAASGDsDDDEPPPLPR	1	2	5	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S13(100)]	S13(Phospho): 100	S(10): 0.0; S(13): 100.0	QPAASGDsDDDEPPP	S13;	High	2713.266784	16.41	1.07	20.3	1.3	2	2	64.09	High	0.3125	7.260848999	High	0.1309	Yes
NP_444505.1	6175	16933546	RPLP0	60S acidic ribosomal protein P0 [Homo sapiens]	S304; S307	0.92	0.82	VEAKEEsEEsDEDMGFGLFD	1	1	5	1	2ﾗTMT6plex [N-Term; K4]; 1ﾗOxidation [M14(100)]; 2ﾗPhospho [S7(100); S10(100)]	S7(Phospho): 100; S10(Phospho): 100; M14(Oxidation): 100	S(7): 100.0; S(10): 100.0	KVEAKEEsEESDEDM;AKEESEEsDEDMGFG	S7; S10;	High	2897.17652	2.97	40.53	3.9	50	2	2	64.09	High	1	5.836779118	High	0.7757	Yes;Yes
NP_005554.1	3925	5031851	STMN1	stathmin isoform a [Homo sapiens]	S25	1.84	1.36	ASGQAFELILsPR	1	2	10	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	S(2): 0.0; S(11): 100.0	QAFELILsPRSKESV	S11;	High	1697.882503	7.92	18.61	29.7	54.2	4	4	64.03	High	0.9844	4.956620216	High	0.6875	Yes
NP_000995.1	6181	4506671	RPLP2	60S acidic ribosomal protein P2 [Homo sapiens]	S102; S105	2.34	0.26	KEEsEEsDDDMGFGLFD	1	3	17	1	2ﾗTMT6plex [N-Term; K]; 1ﾗOxidation [M11(100)]; 2ﾗPhospho [S4(100); S7(100)]	S4(Phospho): 100; S7(Phospho): 100; M11(Oxidation): 100	S(4): 100.0; S(7): 100.0	KDEKKEEsEESDDDM;KKEESEEsDDDMGFG	S4; S7;	High	2584.012749	3.64	139.2	19.3	84.7	5	4	64.01	High	1	6.705249786	High	0.6736	Yes;Yes
NP_002151.2	3371	153946395	TNC	tenascin precursor [Homo sapiens]	S72	0.26	1.25	LPVGSQCSVDLESAsGEK	1	1	2	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗCarbamidomethyl [C7]; 1ﾗPhospho [S15(100)]	S15(Phospho): 100	S(5): 0.0; S(8): 0.0; S(13): 0.0; S(15): 100.0	SVDLESAsGEKDLAP	S15;	High	2401.172228					1	1	63.98	High	0.2656	4.25383234	High	0.1906	Yes
NP_006176.2	4926	71361682	NUMA1	nuclear mitotic apparatus protein 1 isoform 1 [Homo sapiens]	T2000	1.18	0.85	VSLEPHQGPGtPESK	1	2	2	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [T11(100)]	T11(Phospho): 100	S(2): 0.0; T(11): 100.0; S(14): 0.0	EPHQGPGtPESKKAT	T11;	High	2101.073106					1	1	63.93	High	0.2969	6.591825962	High	0.1229	Yes
NP_038479.1	26509	7305053	MYOF	myoferlin isoform a [Homo sapiens]	S174	0.72	0.78	GPVGTVsEAQLAR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	T(5): 0.0; S(7): 100.0	KGPVGTVsEAQLARR	S7;	High	1593.819903	6.24	14.78	6.4	16.4	2	2	63.92	High	0.1719	4.260086536	High	0.0986	Yes
NP_803136.2	147700	91825557	KLC3	kinesin light chain 3 [Homo sapiens]	S497	1.18	1.15	TLSAsTQDLSPH	1	1	5	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q7(100)]; 1ﾗPhospho [S5(99.3)]	S5(Phospho): 99.26; Q7(Deamidated): 100	T(1): 0.0; S(3): 0.0; S(5): 99.3; T(6): 0.7; S(10): 0.0	APRTLSAsTQDLSPH	S5;	High	1566.725	0.07	5.95	0.1	9.7	2	2	63.92	High	0.2031	3.290018559	High	0.0334	Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S93	0.39	0.52	AHSPASTLPNsPGSTFER	1	1	14	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(100)]	S11(Phospho): 99.99	S(3): 0.0; S(6): 0.0; T(7): 0.0; S(11): 100.0; S(14): 0.0; T(15): 0.0	PASTLPNsPGSTFER	S11;	High	2165.022578	27.36	11.74	29.1	16.1	7	7	63.9	High	0.1406	7.188248634	High	0.096	Yes
NP_005554.1	3925	5031851	STMN1	stathmin isoform a [Homo sapiens]	S16	0.78	0.38	RAsGQAFELILSPR	1	2	4	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(12): 0.0	KELEKRAsGQAFELI	S3;	High	1853.983614	26.89	3.12	30.3	1.7	2	2	63.84	High	0.9844	6.936076164	High	0.5663	Yes
NP_002347.5	4082	153070260	MARCKS	myristoylated alanine-rich C-kinase substrate [Homo sapiens]	T150	1.03	1.49	AEDGATPSPSNEtPK	1	1	19	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [T13(100)]	T13(Phospho): 100	T(6): 0.0; S(8): 0.0; S(10): 0.0; T(13): 100.0	TPSPSNEtPKKKKKR	T13;	High	2038.973452	7.18	7.53	21.1	32.5	8	8	63.8	High	0.1406	6.591663837	High	0.1836	Yes
NP_075384.3	65095	145580615	KRI1	protein KRI1 homolog [Homo sapiens]	S142	2.13	0.48	AGKYVDEENsDGETSNHR	1	1	4	1	2ﾗTMT6plex [N-Term; K3]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	Y(4): 0.0; S(10): 100.0; T(14): 0.0; S(15): 0.0	KYVDEENsDGETSNH	S10;	High	2546.15606	2.11	23	6.4	15.7	2	2	63.78	High	0.5781	5.933546066	High	0.2159	No
NP_001104490.1	6829	161169023	SUPT5H	transcription elongation factor SPT5 isoform a [Homo sapiens]	T791	1.3	0.56	TPMYGSQtPLQDGSR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M3(100)]; 1ﾗPhospho [T8(100)]	M3(Oxidation): 100; T8(Phospho): 100	T(1): 0.0; Y(4): 0.0; S(6): 0.0; T(8): 100.0; S(14): 0.0	TPMYGSQtPLQDGSR	T8;	High	1962.882974					1	1	63.75	High	0.4062	4.966527939	High	0.1911	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_008993.1	11137	5902034	PWP1	periodic tryptophan protein 1 homolog [Homo sapiens]	S50	2.4	0.82	EKLQEEGGGsDEEETGSPSEDGMQSAR	1	1	6	1	2ﾗTMT6plex [N-Term; K2]; 1ﾗOxidation [M23(100)]; 1ﾗDeamidated [Q24(100)]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100; M23(Oxidation): 100; Q24(Deamidated): 100	S(10): 100.0; T(15): 0.0; S(17): 0.0; S(19): 0.0; S(25): 0.0	LQEEGGGsDEEETGS	S10;	High	3394.451769	5.8	25.67	24.4	37.6	3	3	63.66	High	0.5156	5.325615406	High	0.167	Yes
NP_060327.3	54961	239582767	SSH3	protein phosphatase Slingshot homolog 3 [Homo sapiens]	S649	1.13	0.82	QAsVHDSGEEGEA	1	1	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(7): 0.0	RKVVRQAsVHDSGEE	S3;	High	1624.668941					1	1	63.63	High	0.4844	2.620724201	High	0.2519	Yes
NP_110382.3	81542	151101292	TMX1	thioredoxin-related transmembrane protein 1 precursor [Homo sapiens]	S247	0.81	0.83	KVEEEQEADEEDVsEEEAESK	1	1	5	1	3ﾗTMT6plex [N-Term; K21; K]; 1ﾗDeamidated [Q6(100)]; 1ﾗPhospho [S14(100)]	Q6(Deamidated): 100; S14(Phospho): 100	S(14): 100.0; S(20): 0.0	EADEEDVsEEEAESK	S14;	High	3206.460416	45	7.08	54.9	8.3	2	2	63.52	High	0.5625	4.394465923	High	0.344	Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S70	0.36	0.2	QSLTHGSSGYINSTGsTR	1	1	12	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S16(Phospho): 95.83	S(2): 0.0; T(4): 0.0; S(7): 0.0; S(8): 0.0; Y(10): 0.0; S(13): 1.4; T(14): 1.4; S(16): 95.8; T(17): 1.4	GYINSTGsTRGHAST	S16;	High	2162.007656	31.34	201.73	16	62	2	2	63.5	High	0.1406	7.205827713	High	0.0693	Yes
NP_005522.2	3428	112789562	IFI16	gamma-interferon-inducible protein 16 isoform 2 [Homo sapiens]	S153	0.56	4.73	VSEEQTQPPsPAGAGMSTAMGR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q7(100)]; 1ﾗPhospho [S10(100)]	Q7(Deamidated): 100; S10(Phospho): 100	S(2): 0.0; T(6): 0.0; S(10): 100.0; S(17): 0.0; T(18): 0.0	EEQTQPPsPAGAGMS	S10;	High	2499.109421					1	1	63.46	High	0.0476	6.032558918	High	0.0282	Yes
NP_003477.4	8140	71979932	SLC7A5	large neutral amino acids transporter small subunit 1 [Homo sapiens]	S35	1.23	1.65	SADGsAPAGEGEGVTLQR	1	1	10	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; S(5): 100.0; T(15): 0.0	AAKSADGsAPAGEGE	S5;	High	2010.933094	4.85	6.16	12	20.6	4	4	63.46	High	0.0952	5.479969501	High	0.1095	Yes
NP_006259.1	5977	5454004	DPF2	zinc finger protein ubi-d4 [Homo sapiens]	S142	2.63	4.74	VDDDsLGEFPVTNSR	1	1	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; T(12): 0.0; S(14): 0.0	DPRVDDDsLGEFPVT	S5;	High	1959.889833	1.14	6.57	5.2	58.1	3	3	63.42	High	0.5397	4.949862957	High	0.2465	Yes
NP_001243399.1	54477	374349211	PLEKHA5	pleckstrin homology domain-containing family A member 5 isoform 4 [Homo sapiens]	S1099; S1103	0.99	2.47	GLNVIGASDQsPLQsPSNLR	1	4	2	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S11(100); S15(98.1)]	S11(Phospho): 100; S15(Phospho): 98.11	S(8): 0.0; S(11): 100.0; S(15): 98.1; S(17): 1.9	VIGASDQsPLQSPSN;SDQSPLQsPSNLRDN	S11; S15;	High	2442.162851					1	1	63.42	High	0.127	4.26967144	High	0.3091	No;No
NP_001005731.1	3691	54607033	ITGB4	integrin beta-4 isoform 3 precursor [Homo sapiens]	S1209	0.51	0.84	VCAYGAQGEGPYSsLVSCR	1	3	3	0	1ﾗTMT6plex [N-Term]; 2ﾗCarbamidomethyl [C2; C18]; 1ﾗPhospho [S14(99)]	S14(Phospho): 98.97	Y(4): 0.0; Y(12): 0.0; S(13): 1.0; S(14): 99.0; S(17): 0.0	QGEGPYSsLVSCRTH	S14;	High	2370.045699					1	1	63.42	High	0.1429	2.958753586	High	0.0405	Yes
NP_001243399.1	54477	374349211	PLEKHA5	pleckstrin homology domain-containing family A member 5 isoform 4 [Homo sapiens]	S1099	0.27	1.81	GLNVIGASDQsPLQSPSNLR	1	4	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	S(8): 0.0; S(11): 100.0; S(15): 0.0; S(17): 0.0	VIGASDQsPLQSPSN	S11;	High	2362.19652					1	1	63.41	High	0.2857	4.045630455	High	0.2198	No
NP_001106963.1	10801	164698494	Sep-09	septin-9 isoform a [Homo sapiens]	S30	1.29	0.87	sFEVEEVETPNSTPPR	1	4	16	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(9): 0.0; S(12): 0.0; T(13): 0.0	SGPALKRsFEVEEVE	S1;	High	2126.984461	4.87	6.82	14.1	13.3	5	5	63.4	High	0.873	6.425132275	High	0.5677	Yes
NP_066997.3	57805	24432106	CCAR2	cell cycle and apoptosis regulator protein 2 [Homo sapiens]	S678	1.22	0.27	SVAsNQSEMEFSSLQDMPK	1	1	2	0	2ﾗTMT6plex [N-Term; K19]; 2ﾗOxidation [M9(100); M17(100)]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100; M9(Oxidation): 100; M17(Oxidation): 100	S(1): 0.0; S(4): 100.0; S(7): 0.0; S(12): 0.0; S(13): 0.0	SEVRSVAsNQSEMEF	S4;	High	2685.218921					1	1	63.4	High	0.2698	4.006330967	High	0.0873	Yes
NP_002258.2	3839	34485722	KPNA3	importin subunit alpha-4 [Homo sapiens]	S60	0.96	1.74	NVPQEESLEDsDVDADFK	1	1	7	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	S(7): 0.0; S(11): 100.0	QEESLEDsDVDADFK	S11;	High	2575.185295	24.09	2.33	33.7	5.7	2	2	63.39	High	0.3492	4.612202644	High	0.2451	Yes
NP_005008.2	5130	31543385	PCYT1A	choline-phosphate cytidylyltransferase A [Homo sapiens]	S362	1.75	0.48	HKAAAYDIsEDEED	1	1	5	1	2ﾗTMT6plex [N-Term; K2]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	Y(6): 0.0; S(9): 100.0	KAAAYDIsEDEED_	S9;	High	2130.963281					1	1	63.37	High	1	2.847829342	High	0.3368	Yes
NP_003038.2	6548	27777632	SLC9A1	sodium/hydrogen exchanger 1 [Homo sapiens]	S785	0.7	0.96	ETSSPGTDDVFTPAPSDsPSSQR	1	1	5	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S18(98.8)]	S18(Phospho): 98.84	T(2): 0.0; S(3): 0.0; S(4): 0.0; T(7): 0.0; T(12): 0.0; S(16): 0.0; S(18): 98.8; S(20): 1.2; S(21): 0.0	FTPAPSDsPSSQRIQ	S18;	High	2674.17188	1.11	3.27	1.1	4.5	2	2	63.28	High	0.0952	8.00053978	High	0.0463	Yes
XP_005276555.2	101060521	767896801	LOC101060521	DNA-directed RNA polymerase III subunit RPC5 isoform X1 [Homo sapiens]	S247; S248	1.93	1.03	EREAANEAGDssQDEAEDDVK	1	6	2	1	2ﾗTMT6plex [N-Term; K21]; 2ﾗPhospho [S11(100); S12(100)]	S11(Phospho): 100; S12(Phospho): 100	S(11): 100.0; S(12): 100.0	AANEAGDsSQDEAED;ANEAGDSsQDEAEDD	S11; S12;	High	2883.197072					1	1	63.24	High	1	4.957316399	High	0.7198	No;No
NP_899064.1	286257	39930541	C9orf142	protein PAXX [Homo sapiens]	S148	0.44	0.61	LAAAEETAVsPR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	T(7): 0.0; S(10): 100.0	AAEETAVsPRKSPRP	S10;	High	1523.766805	60.36	1.54	39.2	1.3	2	2	63.24	High	0.3968	3.882256031	High	0.183	Yes
NP_055330.1	4848	7657385	CNOT2	CCR4-NOT transcription complex subunit 2 [Homo sapiens]	S165	1.18	0.5	TNSMSSSGLGsPNR	1	1	5	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M4(100)]; 1ﾗPhospho [S11(100)]	M4(Oxidation): 100; S11(Phospho): 100	T(1): 0.0; S(3): 0.0; S(5): 0.0; S(6): 0.0; S(7): 0.0; S(11): 100.0	MSSSGLGsPNRSSPS	S11;	High	1719.757045	5.36	81.61	9	63.4	2	2	63.22	High	0.6508	5.30263567	High	0.2623	Yes
NP_003253.1	7095	4507525	SEC62	translocation protein SEC62 [Homo sapiens]	T375	0.14	3.34	EELEQQtDGDCEEDEEENDGETPK	1	1	3	0	2ﾗTMT6plex [N-Term; K25]; 1ﾗCarbamidomethyl [C11]; 1ﾗPhospho [T7(100)]	T7(Phospho): 100	T(7): 100.0; T(23): 0.0	KEELEQQtDGDCEED	T7;	High	3492.404544					1	1	63.22	High	0.7143	5.134527683	High	0.5068	Yes
NP_056060.2	23294	140161500	ANKS1A	ankyrin repeat and SAM domain-containing protein 1A [Homo sapiens]	S663	0.68	1.01	SPsFASEWDEIEK	1	1	7	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(6): 0.0	KRLEKSPsFASEWDE	S3;	High	2062.977475	16.45	6.59	19.6	11.6	3	3	63.16	High	0.2222	4.850039482	High	0.099	Yes
NP_056060.2	23294	140161500	ANKS1A	ankyrin repeat and SAM domain-containing protein 1A [Homo sapiens]	S647	0.62	1.07	SEsLSNCSIGK	1	1	2	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗCarbamidomethyl [C7]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(5): 0.0; S(8): 0.0	TMGSRSEsLSNCSIG	S3;	High	1719.838873					1	1	63.16	High	0.3016	3.448421001	High	0.2087	Yes
NP_001245308.1	9497	385648268	SLC4A7	sodium bicarbonate cotransporter 3 isoform b [Homo sapiens]	S263	1.06	1.31	NGILASPQsAPGNLDNSK	1	2	7	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗDeamidated [N1(100)]; 1ﾗPhospho [S9(100)]	N1(Deamidated): 100; S9(Phospho): 100	S(6): 0.0; S(9): 100.0; S(17): 0.0	GILASPQsAPGNLDN	S9;	High	2322.174277	1.1	20.63	2	49.3	3	3	63.14	High	0.1111	4.769667625	High	0.1195	No
NP_001120972.1	4233	188595716	MET	hepatocyte growth factor receptor isoform a precursor [Homo sapiens]	S1006	1.29	0.76	sVSPTTEMVSNESVDYR	1	2	7	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M8(100)]; 1ﾗPhospho [S1(98.1)]	S1(Phospho): 98.1; M8(Oxidation): 100	S(1): 98.1; S(3): 1.9; T(5): 0.0; T(6): 0.0; S(10): 0.0; S(13): 0.0; Y(16): 0.0	DRLVSARsVSPTTEM	S1;	High	2225.983475	1.94	9.66	3.6	10.4	2	2	63.13	High	0.1429	4.348897457	High	0.0253	No
NP_660095.1	64219	41281725	PJA1	E3 ubiquitin-protein ligase Praja-1 isoform a [Homo sapiens]	T277	0.96	0.52	IFFDtDDDDDMPHSTSR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M11(100)]; 1ﾗPhospho [T5(100)]	T5(Phospho): 100; M11(Oxidation): 100	T(5): 100.0; S(14): 0.0; T(15): 0.0; S(16): 0.0	KPKIFFDtDDDDDMP	T5;	High	2338.937253					1	1	63.1	High	0.9683	3.884081364	High	0.4768	Yes
NP_004550.2	4904	34098946	YBX1	nuclease-sensitive element-binding protein 1 [Homo sapiens]	S165	4.15	1.58	NYQQNYQNsESGEKNEGSESAPEGQAQQR	1	1	16	1	2ﾗTMT6plex [N-Term; K14]; 2ﾗPhospho [S9(98); S18(100)]	S9(Phospho): 99.96; S11(Phospho): 50; S18(Phospho): 50	Y(2): 0.0; Y(6): 0.0; S(9): 100.0; S(11): 50.0; S(18): 50.0; S(20): 0.0	YQQNYQNsESGEKNE	S9;	High	3875.654733	0.58	2.49	4.2	6.8	3	3	63.05	High	0.127	7.040939331	High	0.0156	Yes
NP_004563.2	5318	148664226	PKP2	plakophilin-2 isoform 2b [Homo sapiens]	S329	0.48	0.54	RAHLTVGQAAAGGsGNLLTER	1	2	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S14(100)]	S14(Phospho): 100	T(5): 0.0; S(14): 100.0; T(19): 0.0	GQAAAGGsGNLLTER	S14;	High	2388.234636					1	1	63.04	High	0.3175	7.062759399	High	0.1105	Yes
NP_113584.3	10075	61676188	HUWE1	E3 ubiquitin-protein ligase HUWE1 [Homo sapiens]	T2889	0.66	1.08	AGSStPGDAPPAVAEVQGR	1	1	14	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T5(98.5)]	T5(Phospho): 98.53	S(3): 0.0; S(4): 1.5; T(5): 98.5	QPRAGSStPGDAPPA	T5;	High	2075.996029					1	1	63.02	High	0.0952	5.078990936	High	0.0118	Yes
NP_003265.3	7109	48928029	TRAPPC10	trafficking protein particle complex subunit 10 [Homo sapiens]	S708	1.47	1.04	RQEsSSSLEMPSGVALEEGAHVLR	1	1	3	1	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M10(100)]; 1ﾗPhospho [S4(98)]	S4(Phospho): 98.01; M10(Oxidation): 100	S(4): 98.0; S(5): 1.9; S(6): 0.0; S(7): 0.0; S(12): 0.0	MLLRRQEsSSSLEMP	S4;	High	2894.391667					1	1	63.01	High	0.0794	7.551167488	High	0.0371	Yes
NP_060908.1	26270	8922188	FBXO6	F-box only protein 6 [Homo sapiens]	S284	1.57	1.39	HGQEEAAQsPYR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0; Y(11): 0.0	GQEEAAQsPYRAVVQ	S9;	High	1681.75328					1	1	63	High	0.5079	5.767264366	High	0.0607	Yes
NP_001034796.1	10807	89353281	SDCCAG3	serologically defined colon cancer antigen 3 isoform 1 [Homo sapiens]	S243; S247	0.7	0.73	VSPAsPAGsPSADFAVHGESLGDR	1	3	2	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S5(100); S9(100)]	S5(Phospho): 100; S9(Phospho): 100	S(2): 0.0; S(5): 100.0; S(9): 100.0; S(11): 0.0; S(20): 0.0	DSRVSPAsPAGSPSA;SPASPAGsPSADFAV	S5; S9;	High	2700.190522					1	1	62.98	High	0.1429	5.838960171	High	0.2346	Yes;Yes
NP_001012777.1	348180	61676106	CTU2	cytoplasmic tRNA 2-thiolation protein 2 isoform 1 [Homo sapiens]	S508	0.92	1.18	DCLIEDsDDEAGQS	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C2]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; S(14): 0.0	RDCLIEDsDDEAGQS	S7;	High	1862.72005					1	1	62.89	High	0.7778	3.420789242	High	0.3304	Yes
NP_001278232.1	79633	604723349	FAT4	protocadherin Fat 4 isoform 1 precursor [Homo sapiens]	S4878	0.29	0.31	LSQVNEsDADDEDNYGAR	1	3	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(2): 0.0; S(7): 100.0; Y(15): 0.0	KLSQVNEsDADDEDN	S7;	High	2306.961159					1	1	62.85	High	0.619	4.105136871	High	0.2944	No
NP_945314.1	90957	39777586	DHX57	putative ATP-dependent RNA helicase DHX57 [Homo sapiens]	S127	0.98	1.18	DLQEQDADAGsER	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	S(11): 100.0	EQDADAGsERGLSGE	S11;	High	1742.743168					1	1	62.78	High	0.9048	3.593873978	High	0.6407	Yes
NP_060225.4	54888	39995082	NSUN2	tRNA (cytosine(34)-C(5))-methyltransferase isoform 1 [Homo sapiens]	S743	1.13	1.55	AGEPNsPDAEEANSPDVTAGCDPAGVHPPR	1	2	6	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C21]; 1ﾗDeamidated [N13(100)]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100; N13(Deamidated): 100	S(6): 100.0; S(14): 0.0; T(18): 0.0	QRAGEPNsPDAEEAN	S6;	High	3324.43136	11.46	11.61	22.8	31.8	3	3	62.77	High	0.254	5.956940174	High	0.2668	Yes
NP_116126.3	84823	388240801	LMNB2	lamin-B2 [Homo sapiens]	S421; S424	1.09	0.95	ATSSsSGsLSATGR	1	1	3	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S5(98.9); S8(98.9)]	S5(Phospho): 98.93; S8(Phospho): 98.94	T(2): 0.0; S(3): 0.0; S(4): 1.1; S(5): 98.9; S(6): 1.1; S(8): 98.9; S(10): 0.0; T(12): 0.0	VSRATSSsSGSLSAT;ATSSSSGsLSATGRL	S5; S8;	High	1657.703292					1	1	62.76	High	0.0952	4.002189159	High	0.045	No;No
NP_683723.2	22905	156671217	EPN2	epsin-2 isoform a [Homo sapiens]	S173	1.11	1.08	GSsQPNLSTSHSEQEYGK	1	2	11	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S3(99.1)]	S3(Phospho): 99.06	S(2): 0.9; S(3): 99.1; S(8): 0.0; T(9): 0.0; S(10): 0.0; S(12): 0.0; Y(16): 0.0	ITFGRGSsQPNLSTS	S3;	High	2474.160083	5.95	8.04	9.4	12.3	2	2	62.75	High	0.2222	5.808874607	High	0.0224	Yes
NP_002895.3	7936	14670268	NELFE	negative elongation factor E [Homo sapiens]	S51	1.31	2.38	SLsEQPVMDTATATEQAK	1	1	8	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗOxidation [M8(100)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.97; M8(Oxidation): 100	S(1): 0.0; S(3): 100.0; T(10): 0.0; T(12): 0.0; T(14): 0.0	GGVKRSLsEQPVMDT	S3;	High	2461.193357	78.16	40.98	269.4	238.1	2	2	62.72	High	0.6667	5.380336761	High	0.026	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S41	1.36	1.13	DDGVFVQEVTQNsPAAR	1	2	9	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S13(100)]	S13(Phospho): 100	T(10): 0.0; S(13): 100.0	VQEVTQNsPAARTGV	S13;	High	2142.006594	12.12	6.79	29.1	13.3	3	3	62.71	High	0.1429	5.876865864	High	0.119	Yes
NP_055717.2	22839	34335253	DLGAP4	disks large-associated protein 4 isoform a [Homo sapiens]	S713	2.19	2.45	RDTDsDTQDANDSSCK	1	3	4	1	2ﾗTMT6plex [N-Term; K16]; 1ﾗCarbamidomethyl [C15]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	T(3): 0.0; S(5): 100.0; T(7): 0.0; S(13): 0.0; S(14): 0.0	SSRRDTDsDTQDAND	S5;	High	2353.001534	12.13	8.16	38.8	28.8	2	2	62.69	High	0.0794	5.819438934	High	0.0756	Yes
NP_055238.1	27125	7656879	AFF4	AF4/FMR2 family member 4 [Homo sapiens]	S1043	1.62	1.54	NSYNNSQAPsPGLGSK	1	1	4	0	2ﾗTMT6plex [N-Term; K16]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	S(2): 0.0; Y(3): 0.0; S(6): 0.0; S(10): 100.0; S(15): 0.0	YNNSQAPsPGLGSKA	S10;	High	2159.053433	7.1	3.8	16.4	8.3	2	2	62.67	High	0.4921	5.003342628	High	0.252	Yes
NP_001137463.1	55135	221136862	WRAP53	telomerase Cajal body protein 1 [Homo sapiens]	S85; S90	1.41	3.99	EGDPVSLSTPLETEFGsPSELsPR	1	1	3	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S17(100); S22(100)]	S17(Phospho): 100; S22(Phospho): 100	S(6): 0.0; S(8): 0.0; T(9): 0.0; T(13): 0.0; S(17): 100.0; S(19): 0.0; S(22): 100.0	PLETEFGsPSELSPR;FGSPSELsPRIEEQE	S17; S22;	High	2920.310362					1	1	62.63	High	0.1429	7.019345284	High	0.0499	Yes;Yes
NP_510880.2	399687	28416946	MYO18A	unconventional myosin-XVIIIa isoform a [Homo sapiens]	S2041	0.33	0.59	YSHSYLsDSDTEAK	1	2	2	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	Y(1): 0.0; S(2): 0.0; S(4): 0.0; Y(5): 0.0; S(7): 100.0; S(9): 0.0; T(11): 0.0	RYSHSYLsDSDTEAK	S7;	High	2140.984016					1	1	62.62	High	0.254	4.779271126	High	0.1276	Yes
NP_057404.2	4928	21264365	NUP98	nuclear pore complex protein Nup98-Nup96 isoform 1 [Homo sapiens]	S606	1.01	1.76	DSENLAsPSEYPENGER	1	4	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 99.99	S(2): 0.0; S(7): 100.0; S(9): 0.0; Y(11): 0.0	RDSENLAsPSEYPEN	S7;	High	2202.938968	15.19	14.46	21.9	37.1	2	2	62.56	High	0.1746	5.742486954	High	0.176	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	T872; S874	1.42	1.18	KEtEsEAEDNLDDLEK	1	3	6	1	3ﾗTMT6plex [N-Term; K16; K]; 2ﾗPhospho [T3(100); S5(100)]	T3(Phospho): 100; S5(Phospho): 100	T(3): 100.0; S(5): 100.0	APEPKKEtESEAEDN;EPKKETEsEAEDNLD	T3; S5;	High	2712.250895	19.28	7.76	50.1	15.9	3	3	62.54	High	1	4.662640572	High	0.7511	Yes;Yes
NP_001184222.1	1808	308818195	DPYSL2	dihydropyrimidinase-related protein 2 isoform 1 [Homo sapiens]	T614	0.85	1.63	GLYDGPVCEVSVtPK	1	3	4	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗCarbamidomethyl [C8]; 1ﾗPhospho [T13(100)]	T13(Phospho): 100	Y(3): 0.0; S(11): 0.0; T(13): 100.0	PVCEVSVtPKTVTPA	T13;	High	2159.085979	0.52	3.53	0.6	8.2	2	2	62.5	High	0.129	6.078089237	High	0.1003	Yes
NP_005244.1	2355	4885245	FOSL2	fos-related antigen 2 [Homo sapiens]	S230	0.37	1.42	QEPLEEDsPSSSSAGLDK	1	1	2	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S8(100)]	S8(Phospho): 99.96	S(8): 100.0; S(10): 0.0; S(11): 0.0; S(12): 0.0; S(13): 0.0	QEPLEEDsPSSSSAG	S8;	High	2414.137616					1	1	62.5	High	0.1129	3.656859398	High	0.0683	Yes
NP_005849.1	10270	5031579	AKAP8	A-kinase anchor protein 8 [Homo sapiens]	S328	1.16	1.35	VDSEGDFsENDDAAGDFR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	S(3): 0.0; S(8): 100.0	VDSEGDFsENDDAAG	S8;	High	2254.897497	6.74	30.79	11.1	64.3	2	2	62.48	High	0.3871	3.631283998	High	0.3003	Yes
NP_003283.2	7175	114155142	TPR	nucleoprotein TPR [Homo sapiens]	S2155	1.88	1.9	TDGFAEAIHsPQVAGVPR	1	1	8	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	T(1): 0.0; S(10): 100.0	GFAEAIHsPQVAGVP	S10;	High	2161.064049	13.33	13.39	53.6	54.2	4	4	62.47	High	0.8387	6.804303646	High	0.5015	Yes
NP_055627.2	9859	109255228	CEP170	centrosomal protein of 170 kDa isoform alpha [Homo sapiens]	S1112	1.33	2.82	LGEAsDSELADADK	1	3	4	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(7): 0.0	RARLGEAsDSELADA	S5;	High	1958.936004	4.21	1.63	7.9	6.5	2	2	62.41	High	0.3548	4.225319862	High	0.1111	Yes
NP_113584.3	10075	61676188	HUWE1	E3 ubiquitin-protein ligase HUWE1 [Homo sapiens]	S1084	0.68		sHHAASTTTAPTPAAR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(6): 0.0; T(7): 0.0; T(8): 0.0; T(9): 0.0; T(12): 0.0	SPVRQRRsHHAASTT	S1;	High	1885.911906					1		62.36	High	0.6613	4.52926302	High	0.4702	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S22	0.57	0.63	SGAQASSTPLsPTR	1	4	26	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(99.3)]	S11(Phospho): 99.26	S(1): 0.0; S(6): 0.0; S(7): 0.0; T(8): 0.0; S(11): 99.3; T(13): 0.7	QASSTPLsPTRITRL	S11;	High	1668.815546	17.32	11.7	26.5	19.5	7	7	62.33	High	0.0484	6.390352726	High	0.0156	Yes
NP_001275880.1	57217	572877702	TTC7A	tetratricopeptide repeat protein 7A isoform 1 [Homo sapiens]	S51	0.43	0.45	RGsPSAAFTFPDTDDFGK	1	2	3	1	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; T(9): 0.0; T(13): 0.0	GGGNRRGsPSAAFTF	S3;	High	2454.174277					1	1	62.29	High	0.2258	6.547817707	High	0.0779	Yes
NP_001028721.1	29086	75709194	BABAM1	BRISC and BRCA1-A complex member 1 isoform 1 [Homo sapiens]	S66	1.16	0.82	SEGEGEAASADDGSLNTsGAGPK	1	2	3	0	2ﾗTMT6plex [N-Term; K23]; 1ﾗPhospho [S18(100)]	S18(Phospho): 99.95	S(1): 0.0; S(9): 0.0; S(14): 0.0; T(17): 0.0; S(18): 100.0	DDGSLNTsGAGPKSW	S18;	High	2645.197985					1	1	62.17	High	0.0968	5.016522408	High	0.0478	Yes
NP_683692.2	259282	87299628	BOD1L1	biorientation of chromosomes in cell division protein 1-like 1 [Homo sapiens]	S659	1.2	0.72	RTsTPVIMEGVQEETDTR	1	1	4	1	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M8(100)]; 1ﾗPhospho [S3(98.2)]	S3(Phospho): 98.17; M8(Oxidation): 100	T(2): 1.8; S(3): 98.2; T(4): 0.0; T(15): 0.0; T(17): 0.0	REHKRRTsTPVIMEG	S3;	High	2374.115886					1	1	62.16	High	0.0645	4.556286335	High	0.0439	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan et al., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells.

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlanEvidence
NP_689787.2	158219	27026587	TTC39B	tetratricopeptide repeat protein 39B isoform 1 [Homo sapiens]	S120	0.89	1.62	GAsTVSSSSSTK	1	3	2	0	2↑TMTqplex [N-Term; K12]; 1↑Phospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; T(4): 0.0; S(6): 0.0; S(7): 0.0; S(8): 0.0; S(9): 0.0; S(10): 0.0; T(11): 0.0	APRQRGAsTVSSSSS	S3;	High	1636.819517					1	1	62.11	High	0.2742	2.688586473	High	0.1338	Yes
NP_057712.2	51322	18379328	WAC	WW domain-containing adapter protein with coiled-coil isoform 1 [Homo sapiens]	S525	1.21	1.92	SPsPGPNHTSNSSNASNATVVPQNSSAR	1	3	2	0	1↑TMTqplex [N-Term]; 1↑Phospho [S3(98.5)]	S3(Phospho): 98.54	S(1): 1.5; S(3): 98.5; T(9): 0.0; S(10): 0.0; S(12): 0.0; S(13): 0.0; S(16): 0.0; T(19): 0.0; S(25): 0.0; S(26): 0.0	SSSQRSPsPGPNHTS	S3;	High	3074.412613					1	1	62.03	High	0.0645	5.163397312	High	0.0504	Yes
NP_001931.2	1822	55750041	ATN1	atrophin-1 [Homo sapiens]	S34	0.85	1.75	GRAsPGGVSTSSSDGK	1	1	2	1	2↑TMTqplex [N-Term; K16]; 1↑Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(9): 0.0; T(10): 0.0; S(11): 0.0; S(12): 0.0; S(13): 0.0	LRSRGRAsPGGVSTS	S4;	High	1987.98502					1	1	61.99	High	0.629	5.557437897	High	0.3651	Yes
NP_005392.2	5784	34328899	PTPN14	tyrosine-protein phosphatase non-receptor type 14 [Homo sapiens]	S314	0.84	0.94	ICTEQSNsPPPRR	1	1	6	0	1↑TMTqplex [N-Term]; 1↑Carbamidomethyl [C2]; 1↑Phospho [S8(100)]	S8(Phospho): 100	T(3): 0.0; S(6): 0.0; S(8): 100.0	ICTEQSNsPPPRRRQ	S8;	High	1807.861116	20.9	0.22	25.3	0.3	2	2	61.98	High	0.3387	5.599833965	High	0.1179	Yes
NP_001163887.1	9414	282165810	TJP2	tight junction protein ZO-2 isoform 3 [Homo sapiens]	S944	2.31	1.72	MSYLTAMGADYLaCDSR	1	6	3	0	1↑TMTqplex [N-Term]; 1↑Carbamidomethyl [C14]; 2↑Oxidation [M1(100); M7(100)]; 1↑Phospho [S13(99.9)]	M1(Oxidation): 100; M7(Oxidation): 100; S13(Phospho): 99.93	S(2): 0.0; Y(3): 0.0; T(5): 0.0; Y(11): 0.0; S(13): 99.9; S(16): 0.1	AMGADYLaCDSRLIS	S13;	High	2281.937788					1	1	61.93	High	0.3871	4.169510365	High	0.1271	No
NP_612430.2	113174	116235444	SAAL1	protein SAAL1 [Homo sapiens]	S56	1.18	1.3	SSsDDEEQLTELDEEMENEICR	1	1	3	0	1↑TMTqplex [N-Term]; 1↑Carbamidomethyl [C21]; 1↑Oxidation [M16(100)]; 1↑Phospho [S3(98.1)]	S3(Phospho): 98.12; M16(Oxidation): 100	S(1): 0.0; S(2): 1.8; S(3): 98.1; T(10): 0.0	PENTKSSsDDEEQLT	S3;	High	2983.190703					1	1	61.93	High	0.1613	4.13454818?	High	0.0363	Yes
NP_065176.3	89796	267844811	NAV1	neuron navigator 1 isoform 1 [Homo sapiens]	S648	1.01	0.71	KTsLDVSNSAEPGFLAPGAR	1	2	3	1	2↑TMTqplex [N-Term; K2]; 1↑Phospho [S3(100)]	S3(Phospho): 99.99	T(2): 0.0; S(3): 100.0; S(7): 0.0; S(9): 0.0	PVNGRKTsLDVSNSA	S3;	High	2555.327089					1	1	61.91	High	0.0806	6.082259178	High	0.0197	Yes
NP_055456.2	9656	132626688	MDC1	mediator of DNA damage checkpoint protein 1 [Homo sapiens]	S453; T455	1.07	0.84	SQTTTERDsDtDVEEEELPVENR	1	1	4	1	1↑TMTqplex [N-Term]; 2↑Phospho [S9(100); T11(100)]	S9(Phospho): 100; T11(Phospho): 100	S(1): 0.0; T(3): 0.0; T(4): 0.0; T(5): 0.0; S(9): 100.0; T(11): 100.0	QTTTERDsDTDVEEE;TTERDSDtDVEEEEL	S9; T11;	High	3068.281975	2.34	37.28	3.5	46.5	2	2	61.87	High	0.0645	5.966528893	High	0.1357	Yes;Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5841	0.75	2.63	GHYEVTGsDDETGK	1	1	5	0	2↑TMTqplex [N-Term; K14]; 1↑Phospho [S8(100)]	S8(Phospho): 100	Y(3): 0.0; T(6): 0.0; S(8): 100.0; T(12): 0.0	GHYEVTGsDDETGKL	S8;	High	2032.926502	9.13	11.71	9.7	45.7	2	2	61.87	High	0.1452	5.129086494	High	0.1248	Yes
NP_005338.2	3991	21328446	LIPE	hormone-sensitive lipase [Homo sapiens]	S855	2.26	2.75	SVsEAALAQPQGPLGTDSLK	1	1	7	0	2↑TMTqplex [N-Term; K20]; 1↑Phospho [S3(99.3)]	S3(Phospho): 99.27	S(1): 0.7; S(3): 99.3; T(16): 0.0; S(18): 0.0	EPMRRSVsEAALAQP	S3;	High	2507.315855	14.55	24.46	49.2	121.2	2	2	61.85	High	0.0645	5.687060356	High	0.0105	Yes
NP_003642.3	8531	224586882	YBX3	Y-box-binding protein 3 isoform a [Homo sapiens]	S201	1.17	1.21	NYAGEEEEEGsGSSEGFDPPATDR	1	1	8	0	1↑TMTqplex [N-Term]; 2↑Phospho [S11(99); S/Y/T]	S11(Phospho): 98.99; S13(Phospho): 50.5; S14(Phospho): 50.5	Y(2): 0.0; S(11): 99.0; S(13): 50.5; S(14): 50.5; T(22): 0.0	GEEEEEGsGSSEGFD	S11;	High	2919.108033	11.34	34.25	18.9	64.2	2	2	61.85	High	0.1613	5.167139053	High	0.058	No
NP_001135746.1	23332	214010175	CLASP1	CLIP-associating protein 1 isoform 3 [Homo sapiens]	S600	0.74	0.6	SRsDIDVNAAASAK	1	4	4	1	2↑TMTqplex [N-Term; K14]; 1↑Deamidated [N8(100)]; 1↑Phospho [S3(100)]	S3(Phospho): 100; N8(Deamidated): 100	S(1): 0.0; S(3): 100.0; S(12): 0.0	GSLQRSRsDIDVNAA	S3;	High	1943.983957					1	1	61.74	High	0.0323	6.426609993	High	0.0202	Yes
NP_055844.2	10940	225007648	POP1	ribonucleases P/MRP protein subunit POP1 [Homo sapiens]	S730	0.97	2.25	VQAYEEPSVAsPNGK	1	1	6	0	2↑TMTqplex [N-Term; K16]; 1↑Phospho [S12(100)]	S12(Phospho): 99.99	Y(4): 0.0; S(8): 0.0; S(11): 0.0; S(12): 100.0	EEPSVASsPNGKESD	S12;	High	2201.08915	15.84	7.49	22	24.2	2	2	61.71	High	0.0484	5.590487957	High	0.0501	Yes
NP_001135452.1	7158	21397636	TP53BP1	tumor suppressor p53-binding protein 1 isoform 1 [Homo sapiens]	S1467	1.15	1.16	RSDsPEIPFQAAAGPSDGLDASSPGNSFVGLR	1	3	3	1	1↑TMTqplex [N-Term]; 1↑Deamidated [Q10(100)]; 1↑Phospho [S4(100)]	S4(Phospho): 99.98; Q10(Deamidated): 100	S(2): 0.0; S(4): 100.0; S(16): 0.0; S(22): 0.0; S(23): 0.0; S(27): 0.0	GALRRSDsPEIPFQA	S4;	High	3512.653237					1	1	61.7	High	0.0806	7.89759016	High	0.0392	No
NP_001254500.1	55357	389565509	TBC1D2	TBC1 domain family member 2A isoform 1 [Homo sapiens]	S920	0.66	0.94	AVSEGCAsEDEVEGEA	1	3	3	0	1↑TMTqplex [N-Term]; 1↑Carbamidomethyl [C6]; 1↑Phospho [S8(100)]	S8(Phospho): 100	S(3): 0.0; S(8): 100.0	AVSEGCAsEDEVEGE	S8;	High	1947.772814					1	1	61.7	High	0.5645	3.008717299	High	0.392	Yes
NP_056130.2	23367	39725634	LARP1	la-related protein 1 [Homo sapiens]	S471	1.15	0.78	GLSAsLPDLDSENWIEVK	1	1	5	0	1↑TMTqplex [N-Term; K18]; 1↑Phospho [S5(100)]	S5(Phospho): 99.99	S(3): 0.0; S(5): 100.0; S(11): 0.0	LPKGLSAsLPDLDSE	S5;	High	2511.278407	4.08	11.72	6.6	12.9	2	2	61.68	High	0.2419	6.514280319	High	0.0323	No
NP_001122390.2	4140	731441413	MARK3	MAP/microtubule affinity-regulating kinase 3 isoform a [Homo sapiens]	S583	0.95	0.56	TATYNGPPAsPSLSHEATPLSQTR	1	5	2	0	1↑TMTqplex [N-Term]; 1↑Deamidated [N5(100)]; 1↑Phospho [S10(100)]	N5(Deamidated): 100; S10(Phospho): 99.97	T(1): 0.0; T(3): 0.0; Y(4): 0.0; S(10): 100.0, S(12): 0.0; S(14): 0.0; T(18): 0.0; S(21): 0.0; T(23): 0.0	TYNGPPAsPSLSHEA	S10;	High	2793.329384					1	1	61.64	High	0.1613	4.668414593	High	0.0664	Yes
NP_619649.1	56160	20162572	NDNL2	melanoma-associated antigen G1 [Homo sapiens]	S64	0.89	0.9	GPGGSQGSQGPsPQGAR	1	1	4	0	1↑TMTqplex [N-Term]; 1↑Phospho [S12(100)]	S12(Phospho): 100	S(5): 0.0; S(8): 0.0; S(12): 100.0	SQGSQGPsPQGARRA	S12;	High	1833.84422	0.16	25.31	0.2	32.9	2	2	61.58	High	0.2419	7.815022469	High	0.2801	Yes
NP_073587.1	64761	12232413	PARP12	poly [ADP-ribose] polymerase 12 [Homo sapiens]	S263	1	1.3	DSSGSVsPNTLSQEEGDQICLYHR	1	1	2	0	1↑TMTqplex [N-Term]; 1↑Carbamidomethyl [C20]; 1↑Deamidated [Q13(100)]; 1↑Phospho [S7(100)]	S7(Phospho): 99.98; Q13(Deamidated): 99.98	S(2): 0.0; S(3): 0.0; S(5): 0.0; S(7): 100.0; T(10): 0.0; S(12): 0.0; Y(22): 0.0	KDSSGSVsPNTLSQE	S7;	High	3102.392455					1	1	61.57	High	0.1452	5.230467319	High	0.0631	Yes
NP_004955.2	3065	13128860	HDAC1	histone deacetylase 1 [Homo sapiens]	S421; S423	1.04	1	IACEEEFsDsAEEGEGGRK	1	1	5	1	2↑TMTqplex [N-Term; K19]; 1↑Carbamidomethyl [C3]; 2↑Phospho [S8(100); S10(100)]	S8(Phospho): 100; S10(Phospho): 100	S(8): 100.0; S(10): 100.0	IACEEEFsDSEEEGEGEGG	S8; S10;	High	2776.146223	13.15	15.48	24	27.2	3	3	61.56	High	1	5.499463081	High	0.7091	Yes;Yes
NP_006176.2	4926	71361682	NUMA1	nuclear mitotic apparatus protein 1 isoform 1 [Homo sapiens]	S1757	1.1	0.9	TQPDGTSVPGEPAsPSQR	1	2	11	0	1↑TMTqplex [N-Term]; 1↑Phospho [S14(100)]	S14(Phospho): 99.98	T(1): 0.0; T(6): 0.0; S(7): 0.0; S(14): 100.0; S(17): 0.0	SVPGEPAsPSQRLP	S14;	High	2233.069922	0.56	10.72	1.4	21.9	5	5	61.55	High	0.3226	5.911928654	High	0.1184	Yes
NP_115584.1	84168	14149904	ANTXR1	anthrax toxin receptor 1 isoform 1 precursor [Homo sapiens]	S362	1.13	0.67	EVPPPPAEEsEEEDDDGLK	1	1	2	0	2↑TMTqplex [N-Term; K20]; 1↑Phospho [S10(100)]	S10(Phospho): 100	S(10): 100.0	PPPPAEEsEEEDDDG	S10;	High	2717.248289					1	1	61.55	High	1	5.653805256	High	0.7009	Yes
NP_057691.1	51566	7705274	ARMCX3	armadillo repeat-containing X-linked protein 3 [Homo sapiens]	S61	1.27	0.91	YNDWsDDDDDSNESK	1	1	3	0	2↑TMTqplex [N-Term; K15]; 1↑Phospho [S5(100)]	S5(Phospho): 100	Y(1): 0.0; S(5): 100.0; S(11): 0.0; S(14): 0.0	GARYNDWsDDDDDSN	S5;	High	2342.933831					1	1	61.55	High	0.6129	2.996917248	High	0.26	Yes
NP_001284636.1	23271	663071131	CAMSAP2	calmodulin-regulated spectrin-associated protein 1 [Homo sapiens]	S464	0.74	0.89	SkNEGLTLNNSHVSK	1	3	5	0	2↑TMTqplex [N-Term; K16]; 1↑Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; T(8): 0.0; S(12): 0.0; S(15): 0.0	RGITRSIsNEGLTLN	S3;	High	2238.153147	44.35	30.03	49.3	39.3	2	2	61.49	High	0.082	7.429691315	High	0.0538	Yes
NP_006461.3	10626	48255913	TRIM16	tripartite motif-containing protein 16 [Homo sapiens]	S60	0.76	0.79	ETEEQDsDSAEQGDPAGEGK	1	1	4	0	2↑TMTqplex [N-Term; K20]; 1↑Phospho [S7(100)]	S7(Phospho): 100	T(2): 0.0; S(7): 100.0; S(8): 0.0	RETEEQDsDSAEQGD	S7;	High	2617.119066					1	1	61.47	High	0.1148	4.808088779	High	0.0686	Yes
NP_005900.2	4131	153945728	MAP1B	microtubule-associated protein 1B [Homo sapiens]	T1067	0.11	1.97	AAEAGGAEEQYGFLTtPTK	1	1	3	0	2↑TMTqplex [N-Term; K19]; 1↑Deamidated [Q10(100)]; 1↑Phospho [T16(99)]	Q10(Deamidated): 100; T16(Phospho): 99.02	Y(11): 0.0; T(15): 0.0; T(16): 99.0; T(18): 1.0	EQYGFLTtPTKQLGA	T16;	High	2480.199823					1	1	61.47	High	0.1148	3.739934206	High	0.0321	Yes
NP_612429.2	113146	156760059	AHNAK2	protein AHNAK2 [Homo sapiens]	S294	0.64	0.61	DAHDVsPTSTDTEAQLTV	1	1	2	0	1↑TMTqplex [N-Term]; 1↑Deamidated [Q15(100)]; 1↑Phospho [S6(100)]	S6(Phospho): 100; Q15(Deamidated): 100	S(6): 100.0; T(8): 0.0; S(9): 0.0; T(10): 0.0; T(12): 0.0; T(17): 0.0	PRDAHDVsPTSTDTE	S6;	High	2482.118389					1	1	61.45	High	0.377	6.294519901	High	0.1494	Yes
NP_001003699.1	6239	51173737	RREB1	ras-responsive element-binding protein 1 isoform 1 [Homo sapiens]	S1375	0.85	1.13	QVAGDAPVEQATAETAsPVHR	1	2	3	0	1↑TMTqplex [N-Term]; 1↑Phospho [S17(98.8)]	S17(Phospho): 98.75	T(12): 0.0; T(15): 1.2; S(17): 98.8	QATAETAsPVHREEH	S17;	High	2443.181598					1	1	61.45	High	0.1475	5.654038048	High	0.004	No
NP_612429.2	113146	156760059	AHNAK2	protein AHNAK2 [Homo sapiens]	S280	0.59	0.44	SHsSSEAYEPR	1	1	13	0	1↑TMTqplex [N-Term]; 1↑Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(4): 0.0; S(5): 0.0; Y(8): 0.0	PGPQRSHsSSEAYEP	S3;	High	1558.673633	6.94	43.95	45.1	5	5	61.43	High	0.1803	5.893498898	High	0.0475	Yes
NP_036275.1	24144	8393259	TFIP11	tuftelin-interacting protein 11 [Homo sapiens]	S210	0.62	0.52	TTQSMQDFPVVDsEEEAEEFQK	1	1	3	0	2↑TMTqplex [N-Term; K23]; 1↑Oxidation [M5(100)]; 1↑Phospho [S13(100)]	M5(Oxidation): 100; S13(Phospho): 100	T(1): 0.0; T(2): 0.0; S(4): 0.0; S(13): 100.0	QDFPVVDsEEEAEEE	S13;	High	3257.448522					1	1	61.39	High	0.4918	3.116550684	High	0.4038	Yes
NP_001185702.1	5298	311771621	PI4KB	phosphatidylinositol 4-kinase beta isoform 2 [Homo sapiens]	S413	0.85	1.64	sVENLPECGTHEQR	1	3	2	0	1↑TMTqplex [N-Term]; 1↑Carbamidomethyl [C8]; 1↑Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(11): 0.0	NRRSTRsVENLPEC	S1;	High	2077.957535					1	1	61.35	High	0.9344	5.472685337	High	0.6545	No
NP_005091.2	9590	21493022	AKAP12	A-kinase anchor protein 12 isoform 1 [Homo sapiens]	S598	0.13	3.81	GLAEVQQDGEAEEGATsDGEK	1	2	4	0	2↑TMTqplex [N-Term; K21]; 1↑Deamidated [Q7(98.4)]; 1↑Phospho [S17(100)]	Q6(Deamidated): 98.55; S17(Phospho): 98.55	T(16): 1.5; S(17): 98.6	EAEEGATsDGEKKRE	S17;	High	2659.202402					1	1	61.33	High	0.0984	3.735910177	High	0.0802	Yes
NP_057722.3	51329	507834124	ARL6IP4	ADP-ribosylation factor-like protein 6-interacting protein 4 isoform 2 [Homo sapiens]	S313	0.86	0.68	sAGEEEDGPVLTDEQK	1	6	4	0	2↑TMTqplex [N-Term; K16]; 1↑Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0, T(12): 0.0	SLDQWHRsAGEEEDG	S1;	High	2242.052824	15.23	11.28	18.6	10.9	2	2	61.29	High	0.7705	5.643922329	High	0.5514	No
NP_002257.1	3838	4504897	KPNA2	importin subunit alpha-1 [Homo sapiens]	S62	1.45	1.11	NVSSFPDDATsPLQENR	1	1	17	0	1↑TMTqplex [N-Term]; 1↑Phospho [S11(98.9)]	S11(Phospho): 98.88	S(3): 0.0; S(4): 0.0; T(10): 1.1; S(11): 98.9	SFPDDATsPLQENRN	S11;	High	2185.996423	13.59	9.61	41.1	21.7	4	4	61.28	High	0.1475	4.110740185	High	0.0438	Yes
NP_002408.3	4288	103472005	MKI67	antigen KI-67 isoform 1 [Homo sapiens]	S357	1.01	0.36	TPVQYSQQQNsPQKHK	1	1	2	1	3↑TMTqplex [N-Term; K14; K16]; 1↑Phospho [S11(100)]	S11(Phospho): 100	T(1): 0.0; Y(5): 0.0; S(6): 0.0; S(11): 100.0	QYSQQQNsPQKHKNK	S11;	High	2665.406626					1	1	61.26	High	0.7377	7.252812862	High	0.2676	Yes
NP_004636.1	8161	4758024	COIL	coilin [Homo sapiens]	T122	0.83	1.39	AFQLEEGEtEPDCK	1	1	2	0	2↑TMTqplex [N-Term; K15]; 1↑Carbamidomethyl [C14]; 1↑Phospho [T10(100)]	T10(Phospho): 100	T(10): 100.0	QLEEGEtEPDCKYS	T10;	High	2320.045631					1	1	61.21	High	1	5.365498543	High	0.7225	Yes
NP_065750.1	57459	21218438	GATAD2B	transcriptional repressor p66-beta [Homo sapiens]	S129	0.69	1.41	LTPSPDRVLsDNEASSPR	1	1	4	0	1↑TMTqplex [N-Term]; 1↑Phospho [S11(100)]	S11(Phospho): 100	T(2): 0.0; S(4): 0.0; S(11): 100.0; S(16): 0.0; S(17): 0.0	SPDIRVLsDNEASSP	S11;	High	2320.163488	20.76		20.6		2	1	61.2	High	0.3443	3.803549767	High	0.0632	Yes
NP_001243804.1	55143	379056369	CDCA8	borealin [Homo sapiens]	S219	1.05	1.38	IYNISGNGsPLADSK	1	1	3	0	2↑TMTqplex [N-Term; K15]; 1↑Deamidated [N7(100)]; 1↑Phospho [S9(100)]	N7(Deamidated): 100; S9(Phospho): 100	Y(2): 0.0; S(5): 0.0; S(9): 100.0; S(14): 0.0	YNISGNGsPLADSKE	S9;	High	2075.046223					1	1	61.19	High	0.2951	3.292549372	High	0.0365	Yes
NP_079223.3	80012	148612879	PHC3	polyhomeotic-like protein 3 isoform 1 [Homo sapiens]	T621; S628	1.09	1.05	MDRtPPPTLsPAAITVGR	1	2	2	1	1↑TMTqplex [N-Term]; 1↑Oxidation [M1(100)]; 2↑Phospho [T4(100); S11(100)]	M1(Oxidation): 100; T4(Phospho): 100; S11(Phospho): 100	T(4): 100.0; T(9): 0.0; S(11): 100.0; T(16): 0.0	ECVRMDRtPPPTLSsTPPPTLsPAAITVG	T4; S11;	High	2382.149115					1	1	61.17	High	0.4426	4.082557678	High	0.1397	No;No
NP_001254507.1	26092	389886539	TOR1AIP1	torsin-1A-interacting protein 1 isoform 1 [Homo sapiens]	S156; S157	0.46	1.52	DSHssEEDEASSQTDLSQTRSK	1	2	4	0	2↑TMTqplex [N-Term; K22]; 2↑Phospho [S4(100); S5(100)]	S4(Phospho): 99.99; S5(Phospho): 100	S(2): 0.0; S(4): 100.0, S(5): 100.0; S(11): 0.0, S(12): 0.0; T(14): 0.0; S(17): 0.0; T(19): 0.0; S(21): 0.0	RGLRDSHsSEEDEAS;GLRDSHSsEEDEASS	S4; S5;	High	2999.280802					1	1	61.16	High	0.3115	7.479370117	High	0.0455	Yes;Yes
NP_065176.3	89796	267844811	NAV1	neuron navigator 1 isoform 1 [Homo sapiens]	S1000	2.1	1.17	GQLTNIVsPTAATTPR	1	2	2	0	1↑TMTqplex [N-Term]; 1↑Phospho [S8(100)]	S8(Phospho): 100	T(4): 0.0; S(8): 100.0; T(10): 0.0; T(13): 0.0; T(14): 0.0	GQLTNIVsPTAATTP	S8;	High	1936.010223					1	1	61.15	High	0.3443	5.013169765	High	0.1437	Yes
NP_689821.3	163859	148664216	SDE2	protein SDE2 homolog [Homo sapiens]	S278	1.14	1.43	VVNTDHGsPEQLQIPVTDSGR	1	1	2	0	1↑TMTqplex [N-Term]; 1↑Phospho [S8(100)]	S8(Phospho): 100	T(4): 0.0; S(8): 100.0; T(17): 0.0; S(19): 0.0	VVNTDHGsPEQLQIP	S8;	High	2558.244926					1	1	61.13	High	0.2787	6.913381577	High	0.123	Yes
NP_443134.3	114790	80663828	STK11IP	serine/threonine-protein kinase 11-interactint protein [Homo saniens]	S387	0.8	0.72	RAsISPSDTDPEPR	1	1	4	1	1↑TMTqplex [N-Term]; 1↑Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; S(8): 0.0; T(10): 0.0	RVRVRRAsISEPSDT	S3;	High	1965.911631	4.18	22.32	4.7	22.9	2	2	61.12	High	0.3279	5.718043327	High	0.1748	No
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S26	0.19	0.18	SFSTASAITPsVSR	1	1	97	0	1↑TMTqplex [N-Term]; 1↑Phospho [T9(100)]	S11(Phospho): 99.99	S(1): 0.0; S(3): 0.0; T(4): 0.0; S(6): 0.0; T(9): 0.0; S(11): 100.0; S(13): 0.0	TASAITPsVSRTSFT	S11;	High	1719.851597	89.7	98.26	112.1	111.7	27	27	61.1	High	0.1967	7.140281677	High	0.1218	No
NP_065823.1	57532	32698730	NUFIP2	nuclear fragile X mental retardation-interacting protein 2 [Homo sapiens]	S629	1.81	0.52	ADTSSQGALVFLSKDYEESQNPLAsPTNTLLGSAK	1	1	3	1	3↑TMTqplex [N-Term; K14; K36]; 1↑Phospho [S26(100)]	S26(Phospho): 99.96	T(3): 0.0; S(4): 0.0; S(5): 0.0; S(13): 0.0; Y(16): 0.0; S(20): 0.0; S(26): 100.0; T(28): 0.0; T(30): 0.0; S(34): 0.0	ESQNPLAsPTNTLLG	S26;	High	4520.341631					1	1	61.09	High	0.0984	8.550797462	High	0.0105	Yes
NP_060758.2	55274	194328734	PHF10	PHD finger protein 10 isoform a [Homo sapiens]	S327	0.62	2.08	NKGTSDSSSGNVsEGESPPDSQEDSFQGR	1	1	2	1	2↑TMTqplex [N-Term; K2]; 1↑Phospho [S13(100)]	S13(Phospho): 100	T(4): 0.0; S(5): 0.0; S(7): 0.0; S(8): 0.0; S(9): 0.0; S(13): 100.0; S(17): 0.0; S(21): 0.0; S(25): 0.0	DSSSGNVsEGESPPD	S13;	High	3523.549843					1	1	61.09	High	0.4098	4.219877243	High	0.1114	Yes
NP_001020471.2	201475	106507164	RAB12	ras-related protein Rab-12 [Homo sapiens]	S21	0.91	0.6	RAGGGGGLGAGsPALSGGGR	1	1	2	1	1↑TMTqplex [N-Term]; 1↑Phospho [S12(100)]	S12(Phospho): 100	S(12): 100.0; S(16): 0.0	GGGLGAGsPALSGGQ	S12;	High	2049.01883					1	1	61.03	High	0.4098	6.639448166	High	0.1672	Yes
NP_056474.2	26156	118498359	RSLD1	ribosomal L1 domain-containing protein 1 [Homo sapiens]	S361	1.28	1.14	ATNEsEDEIPQLVPIGK	1	1	8	0	2↑TMTqplex [N-Term; K17]; 1↑Deamidated [Q11(100)]; 1↑Phospho [S5(100)]	N3(Deamidated): 100; S5(Phospho): 99.99	T(2): 0.0; S(5): 100.0	QVKATNEsEDEIPQL	S5;	High	2379.20966	3.66	0.78	8.2	1.5	3	3	60.98	High	0.3934	4.367711544	High	0.0755	Yes
NP_057709.2	51319	38488727	RSRC1	serine/Arginine-related protein 53 isoform 1 [Homo sapiens]	S6	0.62	0.77	RSsDTEEESR	1	2	5	1	1↑TMTqplex [N-Term]; 1↑Phospho [S3(99.4)]	S3(Phospho): 99.99	S(2): 0.0; S(3): 100.0; T(5): 0.0; S(9): 0.0	_MGRRSsDTEEESR	S3;	High	1504.647812	2.24	17.23	2	18.8	2	2	60.96	High	0.2787	3.508428335	High	0.0199	Yes
NP_079031.2	79811	63176611	SLTM	SAFB-like transcription modulator isoform a [Homo sapiens]	S1002	1.88	0.74	AGAGMITQHSSNAsPINR	1	2	6	0	1↑TMTqplex [N-Term]; 1↑Oxidation [M5(100)]; 1↑Phospho [S14(100)]	M5(Oxidation): 100; S14(Phospho): 100	T(7): 0.0; S(10): 0.0; S(11): 0.0; S(14): 100.0	TQHSSNAsPINRVQ	S14;	High	2137.005883	4.69	30.25	15.4	40	3	3	60.92	High	0.0656	6.165823936	High	0.094	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_683723.2	22905	156671217	EPN2	epsin-2 isoform a [Homo sapiens]	S192	0.75	0.42	AGGsPASYHGSTSPR	1	1	6	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(7): 0.0; Y(8): 0.0; S(11): 0.0; T(12): 0.0; S(13): 0.0	EYGKAGGsPASYHGS	S4;	High	1740.790394	12.25	15.01	16.1	10.9	3	3	60.92	High	0.2459	5.209296703	High	0.2495	Yes
NP_001271317.1	9221	548923888	NOLC1	nucleolar and coiled-body phosphoprotein 1 isoform 1 [Homo sapiens]	S708	1.03	1	GGSISVQVNSIKFDsE	1	3	3	1	2×TMT6plex [N-Term; K12]; 1×Phospho [S15(100)]	S15(Phospho): 100	S(3): 0.0; S(5): 0.0; S(10): 0.0; S(15): 100.0	VNSIKFDsE_	S15;	High	2205.12045	22.39	50.54	33.6	81.3	2	2	60.92	High	0.3934	3.882732153	High	0.3866	No
NP_056273.2	66036	19923424	MTMR9	myotubularin-related protein 9 [Homo sapiens]	S548	1.21	0.75	QLAELETEDGMQEsP	1	1	4	0	1×TMT6plex [N-Term]; 1×Oxidation [M11(100)]; 1×Phospho [S14(100)]	M11(Oxidation): 100; S14(Phospho): 100	T(7): 0.0; S(14): 100.0	TEDGMQEsP_	S14;	High	2001.85615	3.77	106.69	6.5	159.3	2	2	60.92	High	0.6721	3.376680374	High	0.4527	Yes
NP_001284478.1	5976	662033888	UPF1	regulator of nonsense transcripts 1 isoform 1 [Homo sapiens]	S1127	0.85	1.22	AYQHGGVTGLsQY	1	2	3	0	1×TMT6plex [N-Term]; 1×Phospho [S11(100)]	S11(Phospho): 99.99	Y(2): 0.0; T(8): 0.0; S(11): 100.0; Y(13): 0.0	HGGVTGLsQY_	S11;	High	1689.783517					1	1	60.85	High	0.2459	3.890184641	High	0.3033	Yes
NP_001375.2	1802	21536476	DPH2	diphthamide biosynthesis protein 2 isoform a [Homo sapiens]	S488	2.41	1.17	GIAIAYEDEGsG	1	2	4	0	1×TMT6plex [N-Term]; 1×Phospho [S11(100)]	S11(Phospho): 100	Y(6): 0.0; S(11): 100.0	IAYEDEGsG_	S11;	High	1490.661337	11.19	14.96	39.5	25.2	2	2	60.84	High	0.8689	2.757555962	High	0.6522	Yes
NP_003651.1	8541	32189362	PPFIA3	liprin-alpha-3 [Homo sapiens]	S17	1.69	1.3	RGsALGPDEAGGELER	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	SEDGRRGsALGPDEA	S3;	High	1922.91705					1	1	60.82	High	0.8361	6.825684071	High	0.7643	Yes
NP_004710.2	9169	117676384	SCAF11	protein SCAF11 [Homo sapiens]	S405	0.58	1.69	SSSNDsVDEETAESDTSPVLEK	1	1	3	0	2×TMT6plex [N-Term; K22]; 1×Phospho [S6(100)]	S6(Phospho): 99.97	S(1): 0.0; S(2): 0.0; S(3): 0.0; S(6): 100.0; T(11): 0.0; S(14): 0.0; T(16): 0.0; S(17): 0.0	EKSSSNDsVDEETAE	S6;	High	2864.297424					1	1	60.75	High	0.0984	4.929774284	High	0.0365	Yes
NP_054772.1	28982	7661708	FLVCR1	feline leukemia virus subgroup C receptor-related protein 1 [Homo sapiens]	S536	2.05	1.92	AIPADsPTDQEPK	1	1	2	0	2×TMT6plex [N-Term; K13]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; T(8): 0.0	VKAIPADsPTDQEPK	S6;	High	1906.956345					1	1	60.75	High	0.3279	3.926301479	High	0.1323	Yes
NP_116254.4	84951	157738639	TNS4	tensin-4 precursor [Homo sapiens]	S253	0.7	0.82	ASSPHGLGSPLVAsPR	1	1	4	0	1×TMT6plex [N-Term]; 1×Phospho [S14(100)]	S14(Phospho): 100	S(2): 0.0; S(3): 0.0; S(9): 0.0; S(14): 100.0	LGSPLVAsPRLEKRL	S14;	High	1841.947229	118.49	11.16	173	13	2	2	60.74	High	0.4262	6.142308235	High	0.1857	Yes
NP_620305.2	6651	520261969	SON	protein SON isoform F [Homo sapiens]	S1556	0.2	17.1	EMEHNTVCAAGTsPVGEIGEEK	1	3	6	0	2×TMT6plex [N-Term; K22]; 1×Carbamidomethyl [C8]; 1×Phospho [S13(100)]	S13(Phospho): 99.99	T(6): 0.0; T(12): 0.0; S(13): 100.0	TVCAAGTsPVGEIGE	S13;	High	2883.330596	221.01	3.92	71.1	120.5	2	2	60.73	High	0.1311	6.175680161	High	0.0227	Yes
NP_005624.2	6654	15529996	SOS1	son of sevenless homolog 1 [Homo sapiens]	S1134	1.09	0.79	SAsVSSISLTK	1	1	2	0	2×TMT6plex [N-Term; K11]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(5): 0.0; S(6): 0.0; S(8): 0.0; T(10): 0.0	PHGPRSAsVSSISLT	S3;	High	1617.886475					1	1	60.73	High	0.4918	3.389784098	High	0.2537	Yes
NP_003816.2	8773	18765729	SNAP23	synaptosomal-associated protein 23 isoform SNAP23A [Homo sapiens]	S110	0.82	1.68	TTWGDGGENsPCNVVSK	1	1	2	0	2×TMT6plex [N-Term; K17]; 1×Carbamidomethyl [C12]; 1×Phospho [S10(100)]	S10(Phospho): 100	T(1): 0.0; T(2): 0.0; S(10): 100.0; S(16): 0.0	WGDGGENsPCNVVSK	S10;	High	2346.083747					1	1	60.72	High	0.5902	4.675150871	High	0.3825	Yes
NP_620305.2	6651	520261969	SON	protein SON isoform F [Homo sapiens]	S1697	1.05	2.74	ESDQTLAALLsPK	1	3	4	0	2×TMT6plex [N-Term; K13]; 1×Phospho [S11(100)]	S11(Phospho): 100	S(2): 0.0; T(5): 0.0; S(11): 100.0	QTLAALLsPKESSGG	S11;	High	1911.024031		8.13		32.3	1	2	60.72	High	0.7049	3.883600473	High	0.6108	Yes
NP_777596.2	255738	31317307	PCSK9	proprotein convertase subtilisin/kexin type 9 preproprotein [Homo sapiens]	S688	1.78	1.68	HLAQAsQELQ	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	SRHLAQAsQELQ_	S6;	High	1433.698725					1	1	60.63	High	1	3.000630617	High	0.6967	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	T201	1.1	0.91	KNGNGGPGPYVGQAGTAtLPR	1	15	17	1	2×TMT6plex [N-Term; K]; 2×Deamidated [N2(100); N4(100)]; 1×Phospho [T18(100)]	N2(Deamidated): 100; N4(Deamidated): 100; T18(Phospho): 99.98	Y(10): 0.0; T(16): 0.0; T(18): 100.0	VGQAGTAtLPRNFHY	T18;	High	2552.291039	3.15	11.72	7.8	24.2	5	5	60.62	High	0.2295	6.973784924	High	0.043	Yes
NP_072046.2	1788	12751473	DNMT3A	DNA (cytosine-5)-methyltransferase 3A isoform a [Homo sapiens]	S105	1.58	1.49	SEPQPEEGsPAGGQK	1	2	2	0	2×TMT6plex [N-Term; K15]; 1×Phospho [S9(100)]	S9(Phospho): 100	S(1): 0.0; S(9): 100.0	EPQPEEGsPAGGQKG	S9;	High	2035.973786					1	1	60.6	High	0.7705	3.9234097	High	0.551	Yes
NP_001284.1	1207	4502891	CLNS1A	methylosome subunit pICln [Homo sapiens]	S102	2.14	1.66	FEEESKEPVADEEEEDsDDDVEPITEFR	1	1	8	1	2×TMT6plex [N-Term; K6]; 1×Phospho [S17(100)]	S17(Phospho): 100	S(5): 0.0; S(17): 100.0; T(25): 0.0	ADEEEEDsDDDVEPI	S17;	High	3852.678851	5.84	3.68	25.4	12.3	4	4	60.54	High	0.5902	6.606735229	High	0.2769	Yes
NP_055627.2	9859	109255228	CEP170	centrosomal protein of 170 kDa isoform alpha [Homo sapiens]	S1165	1.74	1.32	LGSLSARsDSEATISR	1	3	7	1	1×TMT6plex [N-Term]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(3): 0.0; S(5): 0.0; S(8): 100.0; S(10): 0.0; T(13): 0.0; S(15): 0.0	LGSLSARsDSEATIS	S8;	High	1958.974565	2.56	9.82	7.7	22.7	3	3	60.53	High	0.2459	5.270841599	High	0.0892	Yes
NP_004987.2	4363	134142337	ABCC1	multidrug resistance-associated protein 1 [Homo sapiens]	S915	1.8	4.15	QLsSSSSYSGDISR	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; S(4): 0.0; S(5): 0.0; S(6): 0.0; S(7): 0.0; Y(8): 0.0; S(9): 0.0; S(13): 0.0	KQLQRQLsSSSSYSG	S3;	High	1782.810854					1	1	60.51	High	0.0328	3.472079992	High	0.1182	Yes
NP_203744.1	85377	31324577	MICALL1	MICAL-like protein 1 [Homo sapiens]	S578	0.95	0.8	VEQMPQAsPGLAPR	1	1	11	0	1×TMT6plex [N-Term]; 1×Oxidation [M4(100)]; 1×Deamidated [Q6(100)]; 1×Phospho [S8(100)]	M4(Oxidation): 100; Q6(Deamidated): 100; S8(Phospho): 100	S(8): 100.0	VEQMPQAsPGLAPRT	S8;	High	1806.865867	8.46	10.03	16.3	16.1	4	4	60.49	High	0.25	4.95807457	High	0.2702	Yes
NP_001035754.1	692312	99028871	PPAN-P2RY11	PPAN-P2RY11 protein isoform 1 [Homo sapiens]	S359	1.32	0.96	VGGsDEEASGIPSR	1	3	6	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(9): 0.0; S(13): 0.0	KKARVGGsDEEASGI	S4;	High	1669.763176	1.94	5.08	4.4	8.5	3	3	60.45	High	0.4667	5.059455872	High	0.2569	No
NP_001107018.1	51474	165905589	LIMA1	LIM domain and actin-binding protein 1 isoform 1 [Homo sapiens]	S491	0.86	0.62	ETPHsPGVEDAPIAK	1	4	9	0	2×TMT6plex [N-Term; K15]; 1×Phospho [S5(100)]	S5(Phospho): 100	T(2): 0.0; S(5): 100.0	NARETPHsPGVEDAP	S5;	High	2086.062207	3.97	33.87	5.9	37.7	3	3	60.44	High	0.0667	6.694595337	High	0.1166	No
NP_005900.2	4131	153945728	MAP1B	microtubule-associated protein 1B [Homo sapiens]	S1389	1.99	0.99	ASVSPMDEPVPDSEsPIEK	1	1	15	0	2×TMT6plex [N-Term; K19]; 1×Oxidation [M6(100)]; 1×Phospho [S4(100)]	M6(Oxidation): 100; S15(Phospho): 100	S(2): 0.0; S(4): 0.0; S(13): 0.0; S(15): 100.0	EPVPDSEsPIEKVLS	S15;	High	2568.219238	6.48	5.78	32.5	14.1	6	6	60.43	High	0.2833	6.228395462	High	0.0482	Yes
NP_055885.3	23091	116008442	ZC3H13	zinc finger CCCH domain-containing protein 13 [Homo sapiens]	S877	1.19	1.02	SLsPSHLTEDR	1	1	7	0	1×TMT6plex [N-Term]; 1×Phospho [S3(99.3)]	S3(Phospho): 99.11	S(1): 0.9; S(3): 99.1; S(5): 0.0; T(8): 0.0	PQESRSLsPSHLTED	S3;	High	1550.741318	4.1	1.09	8.4	1.9	3	3	60.43	High	0.1833	4.521348476	High	0.0575	Yes
NP_003244.2	7074	115583670	TIAM1	T-lymphoma invasion and metastasis-inducing protein 1 [Homo sapiens]	S231	0.64	0.61	ANsLGDLYAQK	1	1	2	0	2×TMT6plex [N-Term; K11]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; Y(8): 0.0	STCQRANsLGDLYAQ	S3;	High	1717.892623					1	1	60.38	High	0.7167	4.258575916	High	0.3756	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1179	1.07	0.96	MALPPQEDATAsPPR	1	1	12	0	1×TMT6plex [N-Term]; 1×Oxidation [M1(100)]; 1×Phospho [S12(100)]	M1(Oxidation): 100; S12(Phospho): 99.97	T(10): 0.0; S(12): 100.0	PQEDATAsPPRQKDK	S12;	High	1905.897895	4.03	25.99	6.1	36.3	2	2	60.36	High	0.2	4.755835056	High	0.084	Yes
NP_061830.3	23616	85815829	SH3BP1	SH3 domain-binding protein 1 [Homo sapiens]	S550	2.36	0.92	VTRsPPETAAPVEDMAR	1	1	8	1	1×TMT6plex [N-Term]; 1×Oxidation [M15(100)]; 1×Phospho [S4(98.8)]	S4(Phospho): 98.66; M15(Oxidation): 100	T(2): 1.3; S(4): 98.7; T(8): 0.0	ASPKVTRsPPETAAP	S4;	High	2152.0307	23.3	35.38	91.1	48.5	2	2	60.33	High	0.0333	5.427616596	High	0.0737	Yes
NP_056381.1	26049	153792633	FAM169A	soluble lamin-associated protein of 75 kDa [Homo sapiens]	S526	1.05	0.83	AHLGsSDNVATMSNEER	1	1	3	0	1×TMT6plex [N-Term]; 1×Oxidation [M12(100)]; 1×Phospho [S5(100)]	S5(Phospho): 99.97; M12(Oxidation): 100	S(5): 100.0; S(6): 0.0; T(11): 0.0; S(13): 0.0	RKKAHLGsSDNVATM	S5;	High	2142.932443					1	1	60.32	High	0.1333	4.77077198	High	0.0545	Yes
NP_001074324.1	5829	170932514	PXN	paxillin isoform 2 [Homo sapiens]	S83	0.88	1.09	FIHQQPQsSSPVYGSSAK	1	3	11	0	2×TMT6plex [N-Term; K18]; 1×Phospho [S8(100)]	S8(Phospho): 99.97	S(8): 100.0; S(9): 0.0; S(10): 0.0; Y(13): 0.0; S(15): 0.0; S(16): 0.0	FIHQQPQsSSPVYGS	S8;	High	2486.24811	9.96	1.14	15.2	2.1	3	3	60.3	High	0.1167	7.039270878	High	0.0284	Yes
NP_060757.4	94134	26986534	ARHGAP12	rho GTPase-activating protein 12 isoform 1 [Homo sapiens]	S201	1.45	0.98	TSFSQEQSCDsAGEGSER	1	6	3	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C9]; 1×Phospho [S11(100)]	S11(Phospho): 100	T(1): 0.0; S(2): 0.0; S(4): 0.0; S(8): 0.0; S(11): 100.0; S(16): 0.0	SQEQSCDsAGEGSER	S11;	High	2270.907016					1	1	60.3	High	0.3833	4.100105286	High	0.1732	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5731	0.72	0.87	GKGGVTGsPEASISGSK	1	1	2	1	3×TMT6plex [N-Term; K2; K17]; 1×Phospho [S8(100)]	S8(Phospho): 99.98	T(6): 0.0; S(8): 100.0; S(12): 0.0; S(14): 0.0; S(16): 0.0	GKGGVTGsPEASISG	S8;	High	2286.230953					1	1	60.29	High	0.35	5.136257172	High	0.1459	Yes
NP_036601.2	24148	40807485	PRPF6	pre-mRNA-processing factor 6 [Homo sapiens]	T266	0.95	0.66	LSQVSDSVSGQtVVDPK	1	1	2	0	2×TMT6plex [N-Term; K17]; 1×Phospho [T12(100)]	T12(Phospho): 100	S(2): 0.0; S(5): 0.0; S(7): 0.0; S(9): 0.0; T(12): 100.0	SDSVSGQtVVDPKGY	T12;	High	2284.183779					1	1	60.29	High	0.35	5.135244846	High	0.1848	Yes
NP_009045.2	7110	110347443	TMF1	TATA element modulatory factor [Homo sapiens]	T401	0.85	2.01	SAtPVNCEQPDILVSSTPINEGQTVLDK	1	1	4	0	2×TMT6plex [N-Term; K28]; 1×Carbamidomethyl [C7]; 1×Phospho [T3(100)]	T3(Phospho): 99.98	S(1): 0.0; T(3): 100.0; S(15): 0.0; S(16): 0.0; T(17): 0.0; T(24): 0.0	EESGRSAtPVNCEQP	T3;	High	3550.775216					1	1	60.29	High	0.65	5.084309101	High	0.0256	Yes
NP_001243727.1	140688	378404903	NOL4L	nucleolar protein 4-like isoform 1 [Homo sapiens]	S374	4.95	5.48	TTPEsPPYSSGSYDSIK	1	2	4	0	2×TMT6plex [N-Term; K17]; 1×Phospho [S5(100)]	S5(Phospho): 100	T(1): 0.0; T(2): 0.0; S(5): 100.0; Y(8): 0.0; S(9): 0.0; S(10): 0.0; S(12): 0.0; Y(13): 0.0; S(15): 0.0	GVKTTPEsPPYSSGS	S5;	High	2354.12051					1	1	60.25	High	0.0333	6.016082764	High	0.1113	No
NP_060880.3	55355	83816964	HJURP	Holliday junction recognition protein isoform a [Homo sapiens]	S473	0.65	0.9	GGPAsPGGLQGLETR	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; T(14): 0.0	MYRGGPAsPGGLQGL	S5;	High	1705.84718					1	1	60.23	High	0.85	2.816563368	High	0.3191	Yes
NP_002895.3	7936	14670268	NELFE	negative elongation factor E [Homo sapiens]	S115	2.18	3.66	SIsADDDLQESSR	1	1	2	0	1×TMT6plex [N-Term]; 1×Deamidated [Q9(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; Q9(Deamidated): 100	S(1): 0.0; S(3): 100.0; S(11): 0.0; S(12): 0.0	QPFQRSIsADDDLQE	S3;	High	1732.747586					1	1	60.21	High	0.2333	3.580605745	High	0.1536	Yes
NP_004729.1	9217	4759302	VAPB	vesicle-associated membrane protein-associated protein B/C isoform 1 [Homo sapiens]	S160	2.08	1.59	SLSSsLDDTEVK	1	1	4	0	2×TMT6plex [N-Term; K12]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; S(3): 0.0; S(4): 0.0; S(5): 100.0; T(9): 0.0	VSKSLSSsLDDTEVK	S5;	High	1818.913812	2.72	3.76	8	8.5	2	2	60.18	High	0.1167	3.236647844	High	0.0833	Yes
NP_003713.3	8626	31543818	TP63	tumor protein 63 isoform 1 [Homo sapiens]	S463	0.83	0.96	QTSIQSPSSYGNSsPPLNK	1	4	23	0	2×TMT6plex [N-Term; K19]; 1×Phospho [S14(100)]	S14(Phospho): 100	T(2): 0.0; S(3): 0.0; S(6): 0.0; S(8): 0.0; S(9): 0.0; Y(10): 0.0; S(13): 0.0; S(14): 100.0	PSSYGNSsPPLNKMN	S14;	High	2530.259069					1	1	60.15	High	0.1833	6.999520779	High	0.0371	Yes
NP_056073.1	23307	150010552	FKBP15	FK506-binding protein 15 [Homo sapiens]	S956	1.37	1.46	RPsQEQSASASSGQPQAPLNR	1	1	12	0	1×TMT6plex [N-Term]; 1×Deamidated [Q14(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; Q14(Deamidated): 100	S(3): 100.0; S(7): 0.0; S(9): 0.0; S(11): 0.0; S(12): 0.0	EERPRRPsQEQSASA	S3;	High	2506.188474	44.59	47.8	105.5	128.2	2	2	60.12	High	0.0333	4.790712833	High	0.0564	Yes
NP_055681.1	9919	124378039	SEC16A	protein transport protein Sec16A isoform 1 [Homo sapiens]	S2083	1.56	1.34	ADSGPTQPPLSLsPAPETK	1	2	6	0	2×TMT6plex [N-Term; K19]; 1×Phospho [S13(100)]	S13(Phospho): 100	S(3): 0.0; T(6): 0.0; S(11): 0.0; S(13): 100.0; T(18): 0.0	TQPPLSLsPAPETKR	S13;	High	2431.252193	2.51	6.6	6.8	15.4	3	3	60.08	High	0.2833	6.08099556	High	0.1135	Yes
NP_078881.3	79658	50843948	ARHGAP10	rho GTPase-activating protein 10 [Homo sapiens]	S591	1.09	1.14	TPPDTTFPEPTCLSAsPPNAPPR	1	1	4	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C12]; 1×Phospho [S16(100)]	S16(Phospho): 100	T(1): 0.0; T(5): 0.0; T(6): 0.0; T(11): 0.0; S(14): 0.0; S(16): 100.0	EPTCLSAsPPNAPPR	S16;	High	2759.294913	17.3	3.52	27.2	5.7	2	2	60.02	High	0.1833	5.103852749	High	0.0863	Yes
NP_001185537.1	9053	310750348	MAP7	ensconsin isoform 1 [Homo sapiens]	S224	1.12	1.1	LSSsSATLLNSPDR	1	6	2	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(2): 0.0; S(3): 0.0; S(4): 100.0; S(5): 0.0; T(7): 0.0; S(11): 0.0	ISKRLSSsSATLLNS	S4;	High	1756.867975					1	1	60.02	High	0.1167	4.801559448	High	0.0542	No
NP_443198.1	116496	16757970	FAM129A	protein Niban [Homo sapiens]	S926	0.06	1.19	EGEGGQESFPELPsEE	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S14(100)]	S14(Phospho): 100	S(8): 0.0; S(14): 100.0	ESFPELPsEE_	S14;	High	2029.847693					1	1	60.02	High	0.8333	3.899418831	High	0.5718	Yes
NP_055423.1	23191	24307969	CYFIP1	cytoplasmic FMR1-interacting protein 1 isoform a [Homo sapiens]	T1234	0.95	0.62	SGDGEGtPVEHVR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [T7(100)]	T7(Phospho): 100	S(1): 0.0; T(7): 100.0	KSGDGEGtPVEHVRC	T7;	High	1648.752945					1	1	60.01	High	0.6	4.534692287	High	0.3466	Yes
NP_689893.1	201799	22749367	TMEM154	transmembrane protein 154 precursor [Homo sapiens]	S115	0.22	1.49	QEPSSQGsQSALQTYELGSENVK	1	1	4	0	2×TMT6plex [N-Term; K23]; 1×Phospho [S8(97.3)]	S8(Phospho): 97.31	S(4): 0.0; S(5): 1.3; S(8): 97.3; S(10): 1.3; T(14): 0.0; Y(15): 0.0; S(19): 0.0	QEPSSQGsQSALQTY	S8;	High	3005.450511					1	1	59.96	High	0.0667	2.842999935	High	0.0352	Yes
NP_064511.2	56848	21361699	SPHK2	sphingosine kinase 2 isoform a [Homo sapiens]	T389	1.38	2.82	LSYLPATVEPASPtPAHSLPR	1	4	3	0	1×TMT6plex [N-Term]; 1×Phospho [T14(100)]	T14(Phospho): 99.98	S(2): 0.0; Y(3): 0.0; T(7): 0.0; S(12): 0.0; T(14): 100.0; S(18): 0.0	TVEPASPtPAHSLPR	T14;	High	2513.300256					1	1	59.95	High	0.1333	4.996020317	High	0.044	No
NP_001261.2	1105	68299795	CHD1	chromodomain-helicase-DNA-binding protein 1 [Homo sapiens]	S215; S216	1.73	1.28	QIDssEEDDDEEDYDNDKR	1	1	2	1	2×TMT6plex [N-Term; K18]; 2×Phospho [S4(100); S5(100)]	S4(Phospho): 100; S5(Phospho): 100	S(4): 100.0; S(5): 100.0; Y(14): 0.0	QKKRQIDsSEEDDDE;KKRQIDSsEEDDDEE	S4; S5;	High	2935.144368					1	1	59.83	High	0.85	6.023990631	High	0.3422	Yes;Yes
NP_874365.3	23513	355390313	SCRIB	protein scribble homolog isoform a [Homo sapiens]	S1448	0.7	1.53	QSPAsPPPLGGGAPVR	1	2	8	0	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(2): 0.0; S(5): 100.0	TSRQSPAsPPPLGGG	S5;	High	1796.925765	5.8	5.56	8.1	17.2	4	4	59.82	High	0.1333	4.09913826	High	0.1024	Yes
NP_055109.1	23471	7657655	TRAM1	translocating chain-associated membrane protein 1 [Homo sapiens]	S365	1.05	0.6	KGTENGVNGTLTSNVADsPR	1	1	5	1	2×TMT6plex [N-Term; K]; 2×Deamidated [N5(100); N8(100)]; 1×Phospho [S18(100)]	N5(Deamidated): 100; N8(Deamidated): 100; S18(Phospho): 100	T(3): 0.0; T(10): 0.0; T(12): 0.0; S(13): 0.0; S(18): 100.0	LTSNVADsPRNKKEK	S18;	High	2557.254713	14.29	2.57	26.4	2.7	3	3	59.8	High	0.3333	6.586561203	High	0.1047	Yes
NP_071353.4	63897	109715835	HEATR6	HEAT repeat-containing protein 6 [Homo sapiens]	S643	0.83	0.75	APAGPSLEETSVSsPK	1	1	3	0	2×TMT6plex [N-Term; K16]; 1×Phospho [S14(98.6)]	S14(Phospho): 98.55	S(6): 0.0; T(10): 0.0; S(11): 0.0; S(13): 1.5; S(14): 98.6	LEETSVSsPKGSSEP	S14;	High	2095.072438					1	1	59.76	High	0.1667	4.62253952	High	0.0498	Yes
NP_003474.1	8091	4504431	HMGA2	high mobility group protein HMGI-C isoform a [Homo sapiens]	S105	1.28	1.78	KPAQEETEETSSQEsAEED	1	1	6	0	2×TMT6plex [N-Term; K]; 1×Phospho [S11(97.1)]	S15(Phospho): 99.98	T(7): 0.0; T(10): 0.0; S(11): 0.0; S(12): 0.0; S(15): 100.0	EETSSQEsAEED_	S15;	High	2662.165681					1	1	59.74	High	0.0167	4.524457932	High	0.0664	Yes
NP_077003.1	79080	13129104	CCDC86	coiled-coil domain-containing protein 86 [Homo sapiens]	S91	1.04	2.86	LQQGAGLESPQGQPEPGAAsPQR	1	1	10	0	1×TMT6plex [N-Term]; 1×Phospho [S20(100)]	S20(Phospho): 100	S(9): 0.0; S(20): 100.0	QPEPGAAsPQRQQDL	S20;	High	2612.266724	4.14	9.52	9.6	67	5	5	59.73	High	0.7167	8.361127853	High	0.4689	Yes
NP_002023.2	2495	56682959	FTH1	ferritin heavy chain [Homo sapiens]	S179	0.49	0.83	HTLGDsDNES	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	T(2): 0.0; S(6): 100.0; S(10): 0.0	DKHTLGDsDNES_	S6;	High	1383.562685					1	1	59.72	High	0.6667	2.606980562	High	0.1226	Yes
NP_003753.2	8674	42544207	VAMP4	vesicle-associated membrane protein 4 isoform 1 [Homo sapiens]	S30	0.86	0.54	RNLLEDDsDEEEDFFLR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(8): 100.0	RNLLEDDsDEEEDFF	S8;	High	2451.091445					1	1	59.7	High	0.9333	5.943974018	High	0.7205	Yes
NP_001273588.1	9882	557786174	TBC1D4	TBC1 domain family member 4 isoform 3 [Homo sapiens]	S691; S694	1.97	0.98	TSSTCsNEsLSVGGTSVTPR	1	3	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C5]; 2×Phospho [S6(100); S9(100)]	S6(Phospho): 99.96; S9(Phospho): 100	T(1): 0.0; S(2): 0.0; S(3): 0.0; T(4): 0.0; S(6): 100.0; S(9): 100.0; S(11): 0.0; T(15): 0.0; S(16): 0.0; T(18): 0.0	KRTSSTCsNESLSVG;SSTCSNEsLSVGGTS	S6; S9;	High	2416.030182					1	1	59.69	High	0.5167	4.452814579	High	0.3326	No;No

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan et al., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells.

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_004272.2	9531	14043024	BAG3	BAG family molecular chaperone regulator 3 [Homo sapiens]	S173	0.56	0.99	SQsPAASDCSSSSSSASLPSSGR	1	1	6	0	1?TMTfqlex [N-Term]; 1?Carbamidomethyl [C9]; 1?Phospho [S3(99.1)]	S3(Phospho): 99.06	S(1): 0.0; S(3): 99.1; S(7): 0.0; S(10): 0.0; S(11): 0.0; S(12): 0.0; S(13): 0.0; S(14): 0.0; S(15): 0.0; S(17): 0.0; S(20): 0.0; S(21): 0.0	HGPERSQsPAASDCS	S3;	High	2509.071121	4.97	20.99	4	29.9	2	2	59.67	High	0.1333	8.052388191	High	0.0323	Yes
NP_005086.2	9202	44890068	ZMYM4	zinc finger MYM-type protein 4 [Homo sapiens]	S1241	0.6	1.27	CGGVEQASSsPR	1	1	3	0	1?TMTfqlex [N-Term]; 1?Carbamidomethyl [C12]; 1?Phospho [S10(100)]	S10(Phospho): 99.99	S(8): 0.0; S(9): 0.0; S(10): 100.0	GVEQASSsPRSDPLG	S10;	High	1543.677338			1	1	59.66	High	0.1333	3.69021225	High	0.0027	Yes
NP_001122390.2	4140	731441413	MARK3	MAP/microtubule affinity-regulating kinase 3 isoform a [Homo sapiens]	S540; S543	0.98	0.87	TPVAsTHsISSAATPDR	1	5	3	0	1?TMTfqlex [N-Term]; 2?Phospho [S(58.6); S(100)]	S5(Phospho): 98.63; S8(Phospho): 100	T(1): 0.0; S(5): 98.6; T(6): 1.4; S(8): 100.0; S(10): 0.0; S(11): 0.0; T(14): 0.0	DQRTPVAsTHSISSAATPV ASTHsISSAATP	S5; S8;	High	2086.940896			1	1	59.59	High	0.35	4.857772827	High	0.2963	Yes;Yes
NP_113584.3	10075	61676188	HUWE1	E3 ubiquitin-protein ligase HUWE1 [Homo sapiens]	S2918	1.13	0.82	SDGSGESAQPPEDsPPASSESSTR	1	1	9	0	1?TMTfqlex [N-Term]; 1?Phospho [S15(98.3)]	S15(Phospho): 98.27	S(1): 0.0; S(4): 0.0; S(7): 0.0; S(14): 1.7; S(15): 98.3; S(19): 0.0; S(20): 0.0; S(22): 0.0; S(23): 0.0; S(24): 0.0; T(25): 0.0	AQPPEDsPPASSES	S15;	High	2845.18463	25.58	28.7	53.6	42.7	3	3	59.57	High	0.1333	4.654824734	High	0.0065	Yes
NP_001135452.1	7158	213972636	TP53BP1	tumor suppressor p53-binding protein 1 isoform 1 [Homo sapiens]	S836	1.45	1.61	SGTAETPVEQDSsQPSLPLVR	1	3	5	0	1?TMTfqlex [N-Term]; 1?Phospho [S14(98.4)]	S14(Phospho): 98.45	S(13): 0.0; T(3): 0.0; T(6): 0.0; S(13): 1.5; S(14): 98.5; S(17): 0.0	EPVEQDSsQPSLPLV	S14;	High	2636.265387	0.83	4.21	1.7	9.6	2	2	59.54	High	0.1	4.005255222	High	0.01	No
NP_061848.2	54386	52627149	TERF2IP	telomeric repeat-binding factor 2-interacting protein 1 [Homo sapiens]	S203	1.33	1.24	YLLGDAPVsPSSQK	1	1	6	0	2?TMTfqlex [N-Term; K14]; 1?Phospho [S9(100)]	S9(Phospho): 100	Y(1): 0.0; S(9): 100.0; S(11): 0.0; S(12): 0.0	LLGDAPVsPSSQKLK	S9;	High	2000.05058	12.59	1.01	29.7	2.2	3	3	59.53	High	0.4167	5.373654842	High	0.1229	Yes
NP_001135746.1	23332	214010175	CLASP1	CLIP-associating protein 1 isoform 3 [Homo sapiens]	S1063	1.3	0.82	NSSNTSVGsPSNTIGR	1	4	8	0	1?TMTfqlex [N-Term]; 1?Phospho [S9(100)]	S9(Phospho): 99.99	S(2): 0.0; S(3): 0.0; T(5): 0.0; S(6): 0.0; S(9): 100.0; S(11): 0.0; T(12): 0.0	SSNTSVGsPSNTIGR	S9;	High	1886.880665	6.36	4.79	14.4	6.8	3	3	59.5	High	0.0333	4.928595066	High	0.1744	No
NP_071375.1	63922	27501458	CHTF18	chromosome transmission fidelity protein 18 homolog [Homo sapiens]	S871	0.91	1.03	VENSPQVDGsPPGLEGLLGGKGEK	1	1	4	0	2?TMTfqlex [N-Term; K24]; 1?Phospho [S10(100)]	S10(Phospho): 100	S(4): 0.0; S(10): 100.0	NSPQVDGsPPGLEGL	S10;	High	2887.48544	1.8	5.86	2.3	8.6	2	2	59.49	High	0.4915	5.100978851	High	0.2667	Yes
NP_003119.2	6711	112382250	SPTBN1	spectrin beta chain, non-erythrocytic 1 isoform 1 [Homo sapiens]	T2187	0.53	0.62	TALPAQSAAtLPARTQE	1	1	4	0	1?TMTfqlex [N-Term]; 1?Phospho [T10(100)]	T10(Phospho): 100	T(1): 0.0; S(7): 0.0; T(10): 100.0	LPAQSAAtLPARTQE	T10;	High	1676.893402	10.42	11.33	7.8	10	2	2	59.44	High	0.5085	3.943930387	High	0.231	Yes
NP_009178.3	11276	38569409	SYNRG	synergin gamma isoform 1 [Homo sapiens]	S935	1.21	0.81	ETSFGsSENITMTSLSK	1	7	5	0	2?TMTfqlex [N-Term; K17]; 1?Oxidation [M12(100)]; 1?Phospho [S6(98.4)]	S6(Phospho): 98.45; M12(Oxidation): 100	T(2): 0.0; S(3): 0.0; S(6): 98.5; S(7): 1.6; T(11): 0.0; T(13): 0.0; S(14): 0.0; S(16): 0.0	KKETSFGsSENITMT	S6;	High	2373.129695			1	1	59.39	High	0.1356	5.140739441	High	0.0175	Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S85	0.73	0.79	AHsPASTLPNSPGSTFER	1	1	5	0	1?TMTfqlex [N-Term]; 1?Deamidated [N10(100)]; 1?Phospho [S3(100)]	S3(Phospho): 100; N10(Deamidated): 100	S(3): 100.0; S(6): 0.0; T(7): 0.0; S(11): 0.0; S(14): 0.0; T(15): 0.0	SSYRRAHsPASTLPN	S3;	High	2166.006594	3.64	35.83	4.6	51.8	3	3	59.34	High	0.1525	5.92250061	High	0.2483	Yes
NP_683723.2	22905	156671217	EPN2	epsin-2 isoform a [Homo sapiens]	S192; S195	1.38	0.86	AGGsPAsYHGSTSPR	1	1	4	0	1?TMTfqlex [N-Term]; 2?Phospho [S4(100); S7(100)]	S4(Phospho): 100; S7(Phospho): 100	S(4): 100.0; S(7): 0.0; S(9): 0.0; S(11): 0.0; T(12): 0.0; S(13): 0.0	EYGKAGGsPASYHGSX AGGSPAsYHGSTSP	S4; S7;	High	1820.756725	25.77	8.14	53.6	9.9	2	2	59.33	High	0.5763	4.940178394	High	0.5506	Yes;Yes
NP_062552.2	56257	47271406	MEPCE	7SK snRNA methylphosphate capping enzyme isoform A [Homo sapiens]	S69	1.58	2.52	CAPSACGSPAAAVGREsPGAAATSSSGPQAQQHR	1	1	2	1	1?TMTfqlex [N-Term]; 1?Carbamidomethyl [C1]; 1?Phospho [S16(100)]	S16(Phospho): 100	S(4): 0.0; S(7): 0.0; S(16): 100.0; T(22): 0.0; S(23): 0.0; S(24): 0.0; S(25): 0.0	AAAVGREsPGAAATS	S16;	High	3428.596408			1	1	59.21	High	0.1186	9.360873222	High	0.1122	Yes
NP_005912.1	4214	153945765	MAP3K1	mitogen-activated protein kinase kinase kinase 1 [Homo sapiens]	S21	1.08	0.9	ATsPEAGGGGGALK	1	1	2	0	2?TMTfqlex [N-Term; K14]; 1?Phospho [S3(100)]	S3(Phospho): 99.99	T(2): 0.0; S(3): 100.0	FPGARATsPEAGGGG	S3;	High	1710.882786			1	1	59.21	High	0.2373	3.438254595	High	0.093	Yes
NP_005875.1	10298	5031975	PAK4	serine/threonine-protein kinase PAK 4 isoform 1 [Homo sapiens]	S104	1.18	1.06	RDsPPPAR	1	1	22	1	1?TMTfqlex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	SNSLRRDsPPPPARA	S3;	High	1301.656467	6.17	3.77	22.1	12	9	9	59.19	High	0.8305	3.926096201	High	0.5903	Yes
NP_056308.3	25959	258613875	KANK2	KN motif and ankyrin repeat domain-containing protein 2 isoform 1 [Homo sapiens]	S323	0.94	0.7	QADPQPQAWPPPDsPVRVDTVR	1	2	3	1	1?TMTfqlex [N-Term]; 1?Phospho [S14(100)]	S14(Phospho): 100	S(14): 100.0; T(20): 0.0	QAWPPPDsPVRVDTV	S14;	High	2765.360959	13.68	11.57	18.2	11.4	2	2	59.18	High	0.3559	4.498837471	High	0.1333	Yes
NP_056464.1	26145	24308115	IRF2BP1	interferon regulatory factor 2-binding protein 1 [Homo sapiens]	S453	0.87	0.87	AGGAsPAASSTAQPPTQHR	1	1	2	0	1?TMTfqlex [N-Term]; 1?Deamidated [Q13(100)]; 1?Phospho [S5(100)]	S5(Phospho): 100; Q13(Deamidated): 99.99	S(5): 100.0; S(9): 0.0; S(10): 0.0; T(11): 0.0; T(16): 0.0	PVRAGGAsPAASSTA	S5;	High	2101.986527			1	1	59.15	High	0.1186	5.63445282	High	0.1297	Yes
NP_001007026.1	9527	55770858	GOSR1	Golgi SNAP receptor complex member 1 isoform 2 [Homo sapiens]	S49	0.8	0.72	RDsSDTTPLLNGSSQDR	1	1	6	1	1?TMTfqlex [N-Term]; 1?Deamidated [N11(98.6)]; 1?Phospho [S3(100)]	S3(Phospho): 100; N11(Deamidated): 58; Q15(Deamidated): 50	S(3): 100.0; S(4): 0.0; T(6): 0.0; T(7): 0.0; S(13): 0.0; S(14): 0.0	TRDGRRDsSDTTPLL	S3;	High	2158.981501	15.4	19.45	21.5	24.5	3	3	59.13	High	0.2542	5.207304955	High	0.0537	Yes
NP_001269030.1	10413	530788252	YAP1	yorkie homolog isoform 9 [Homo sapiens]	S109	1.23	0.87	QAsTDAGTAGLTAPQHVR	1	8	14	0	1?TMTfqlex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 98.88	S(3): 98.9; T(4): 1.1; T(8): 0.0; T(13): 0.0	RSHSRQAsTDAGTAG	S3;	High	2090.022912	4.47	15.25	11	26.9	4	4	59.11	High	0.1356	8.231757164	High	0.0024	Yes
NP_055706.1	11333	7657441	PDAP1	28 kDa heat- and acid-stable phosphoprotein [Homo sapiens]	S60; S63	1.88	1.15	KSLDsDEsEDEEDDYQQK	1	1	2	1	3?TMTfqlex [N-Term; K18; K]; 2?Phospho [S5(100); S8(100)]	S5(Phospho): 100; S8(Phospho): 100	S(2): 0.0; S(5): 100.0; S(8): 100.0; Y(15): 0.0	KEKKSLDsDESEDEEKSL DSDEsEDEEDDY	S5; S8;	High	3007.294944			1	1	59.03	High	0.2881	5.374289989	High	0.2756	Yes;Yes
NP_115751.3	84335	400153980	AKT1S1	proline-rich AKT1 substrate 1 isoform a [Homo sapiens]	S203	1.33	1.75	sLPVSVPVWGFK	1	2	6	0	2?TMTfqlex [N-Term; K12]; 1?Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(5): 0.0	PTQQYAKsLPVSVPV	S1;	High	1854.03308	7.26	3.94	16.9	12	3	3	59.03	High	0.6441	4.395858657	High	0.1659	No
NP_001127910.1	90102	197313730	PHLDB2	pleckstrin homology-like domain family B member 2 isoform a [Homo sapiens]	S334	1.33	1.41	TSASEGNPVVSSTLSVPAsPR	1	3	13	0	1?TMTfqlex [N-Term]; 1?Phospho [S19(100)]	S19(Phospho): 100	T(1): 0.0; S(2): 0.0; S(4): 0.0; Y(9): 0.0; S(11): 0.0; S(12): 0.0; T(13): 0.0; S(15): 0.0; S(19): 100.0	STLSVPAsPRVARKM	S19;	High	2416.159465	11.05	14.34	33.7	47.7	5	5	59.01	High	0.3559	6.241441727	High	0.1394	Yes
NP_005522.2	3428	112789562	IFI16	gamma-interferon-inducible protein 16 isoform 2 [Homo sapiens]	S153	0.52	2.48	VSEEQTQPPsPAGAGMSTAMGR	1	1	21	0	1?TMTfqlex [N-Term]; 1?Oxidation [M20(100)]; 1?Phospho [S10(100)]	S10(Phospho): 100; M16(Oxidation): 100	S(2): 0.0; T(6): 0.0; S(10): 100.0; S(17): 0.0; T(18): 0.0	EEQTQPPsPAGAGMS	S10;	High	2514.12032	60.68	29.21	90.1	473.4	6	6	58.98	High	0.3729	5.962523984	High	0.0856	Yes
NP_003944.1	9019	4506357	MPZL1	myelin protein zero-like protein 1 isoform a precursor [Homo sapiens]	S210	0.58	0.8	DYTGCSTSESLsPVK	1	1	2	0	2?TMTfqlex [N-Term; K15]; 1?Carbamidomethyl [C5]; 1?Phospho [S12(100)]	S12(Phospho): 100	Y(2): 0.0; T(3): 0.0; S(6): 0.0; T(7): 0.0; S(8): 0.0; S(10): 0.0; S(12): 100.0	CSTSESLsPVKQAPR	S12;	High	2169.018688			1	1	58.96	High	0.2881	5.106683254	High	0.1311	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	T3716	0.55	8.44	VDIDsPDINEGSEGK	1	1	9	0	2?TMTfqlex [N-Term; K16]; 1?Phospho [T5(100)]	T5(Phospho): 100	T(5): 100.0; S(13): 0.0	GPKVDIDsPDINEG	T5;	High	2240.109945	63.74	8.65	80.6	272.6	4	4	58.94	High	0.8305	6.398175524	High	0.5422	Yes
NP_061330.2	55971	32171238	BAIAP2L1	brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 1 [Homo sapiens]	S261	1.06	1.44	TPASTPVSGTPQAsPMIER	1	1	4	0	1?TMTfqlex [N-Term]; 1?Phospho [S14(100)]	S14(Phospho): 100	T(1): 0.0; S(4): 0.0; T(5): 0.0; S(8): 0.0; T(10): 0.0; S(14): 100.0	VSGTPQAsPMIERSN	S14;	High	2236.088215	1.68	3.49	2.5	7.1	2	2	58.85	High	0.339	5.079783444	High	0.2343	Yes
NP_064520.2	56897	18426902	WRNIP1	ATPase WRNIP1 isoform 1 [Homo sapiens]	T116	1.57	1.29	ESYDAPPtPSGAR	1	2	4	0	1?TMTfqlex [N-Term]; 1?Phospho [T8(100)]	T8(Phospho): 100	S(2): 0.0; Y(3): 0.0; T(8): 100.0; S(10): 0.0	ESYDAPPtPSGARLI	T8;	High	1656.746787	8.29	14.8	18.6	27.5	2	2	58.85	High	0.2373	4.125130653	High	0.1235	Yes
NP_001135452.1	7158	213972636	TP53BP1	tumor suppressor p53-binding protein 1 isoform 1 [Homo sapiens]	S1467	1.3	0.78	RSDsPEIPFQAAAGPSDGLDASSPGNSFVGLR	1	3	5	1	1?TMTfqlex [N-Term]; 1?Phospho [S4(100)]	S4(Phospho): 99.94	S(2): 0.1; S(4): 99.9; S(16): 0.0; S(22): 0.0; S(23): 0.0; S(27): 0.0	GALRRSDsPEIPFQA	S4;	High	3511.669221	7.61	48.87	14.1	58.3	2	2	58.84	High	0.1356	8.534277916	High	0.0176	No
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	T2316	2.03	1.32	TPAALAALSLTGSGPPTAANYPSSSR	1	1	7	0	1?TMTfqlex [N-Term]; 1?Phospho [S9(100)]	T15(Phospho): 98.47	T(1): 0.0; S(9): 0.0; T(11): 0.0; S(13): 1.5; T(15): 98.5; T(18): 0.0; Y(22): 0.0; S(24): 0.0; S(25): 0.0; S(26): 0.0	LSLTGSGPPTAANY	T15;	High	2868.434103			1	1	58.8	High	0.1186	5.297825336	High	0.0566	Yes
NP_001107018.1	51474	165905589	LIMA1	LIM domain and actin-binding protein 1 isoform 1 [Homo sapiens]	S687	0.92	0.85	EGHSLEMENENLVENGADsDEDDNSFLK	1	4	4	0	2?TMTfqlex [N-Term; K28]; 1?Oxidation [M7(100)]; 1?Deamidated [N1(97.4)]; 1?Phospho [S19(100)]	M7(Oxidation): 100; N11(Deamidated): 97.4; S19(Phospho): 100	S(4): 0.0; S(19): 100.0; S(25): 0.0	LVENGADsDEDDNSF	S19;	High	3692.583512			1	1	58.8	High	0.1695	3.729643822	High	0.0643	No
NP_775853.2	283209	31377548	PGM2L1	glucose 1,6-bisphosphate synthase [Homo sapiens]	S175	1.5	0.57	AVAGVMITAsHNR	1	1	2	0	1?TMTfqlex [N-Term]; 1?Oxidation [M6(100)]; 1?Phospho [S10(100)]	M6(Oxidation): 100; S10(Phospho): 100	T(8): 0.0; S(10): 100.0	AGVMITAsHNRKEDN	S10;	High	1651.818857			1	1	58.77	High	0.2373	6.500273705	High	0.1262	Yes
NP_001131024.1	9208	212276096	LRRFIP1	leucine-rich repeat flightless-interacting protein 1 isoform 3 [Homo sapiens]	S733	0.72	3.32	CTLPEHEsPSQDISDACEAESTER	1	3	2	0	1?TMTfqlex [N-Term]; 2?Carbamidomethyl [C1; C17]; 1?Phospho [S8(100)]	S8(Phospho): 99.98	T(2): 0.0; S(8): 100.0; S(10): 0.0; S(14): 0.0; S(21): 0.0; T(22): 0.0	CTLPEHEsPSQDISD	S8;	High	3057.265206			1	1	58.76	High	0.1186	5.153511047	High	0.0583	Yes
NP_061330.2	55971	32171238	BAIAP2L1	brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 1 [Homo sapiens]	T257; S261	0.58	0.98	TPASTPVSGtPQAsPMIER	1	1	6	0	1?TMTfqlex [N-Term]; 1?Oxidation [M16(100)]; 2?Phospho [T10(100); S14(100)]	T10(Phospho): 100; S14(Phospho): 100; M16(Oxidation): 100	T(1): 0.0; S(4): 0.0; T(5): 0.0; S(8): 0.0; T(10): 100.0; S(14): 100.0	ASTPVSGtPQASPMtVSG TPQAsPMIERSN	T10; S14;	High	2332.049461	53.68	70.89	46.4	126.6	2	2	58.75	High	0.2712	5.769251347	High	0.2894	Yes;Yes
NP_006187.2	5093	222352151	PCBP1	poly(rC)-binding protein 1 [Homo sapiens]	S190	0.66	1.2	VMTIPYQPMPASsPVICAGGQSR	1	1	13	0	1?TMTfqlex [N-Term; K17]; 1?Carbamidomethyl [C17]; 2?Oxidation [M2(100); M9(100)]; 1?Phospho [S13(96.8)]	M2(Oxidation): 100; M9(Oxidation): 100; S13(Phospho): 96.77	T(3): 0.0; Y(6): 0.0; S(12): 3.2; S(13): 96.8	VQPMPASsPVICAGG	S13;	High	2816.30199	64.32	45.18	102.9	150.1	4	4	58.75	High	0.1356	4.532811642	High	0.0375	Yes
NP_476516.1	80155	17149828	NAA15	N-alpha-acetyltransferase 15, NatA auxiliary subunit [Homo sapiens]	S855	0.68		ITVNGDsSAEAEELANEI	1	1	2	0	1?TMTfqlex [N-Term]; 1?Phospho [S7(99)]	S7(Phospho): 98.97	T(2): 0.0; S(7): 99.0; S(8): 1.0	KITVNGDsSAEAEEL	S7;	High	2170.99542			1	1	58.74	High	0.1695	2.581198931	High	0.0775	Yes
NP_694988.3	254427	223633935	PROSER2	proline and serine-rich protein 2 [Homo sapiens]	S43	3.27	3.13	SRsPTLDDESLK	1	1	7	1	2?TMTfqlex [N-Term; K12]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; T(5): 0.0; S(10): 0.0	SSSSRSRsPTLDDES	S3;	High	1935.982894	0.35	4.74	1.6	21.2	2	2	58.73	High	0.2373	6.500200748	High	0.0446	Yes
NP_005900.2	4131	153945728	MAP1B	microtubule-associated protein 1B [Homo sapiens]	T1949	3.31	3.22	TTRsPEEGGYSYDISEK	1	1	10	1	2?TMTfqlex [N-Term; K17]; 1?Phospho [T4(99.2)]	T4(Phospho): 99.15	T(1): 0.8; T(2): 0.9; T(4): 99.2; Y(10): 0.0; S(11): 0.0; Y(12): 0.0; S(15): 0.0	IEKTTRtPEEGGYS	T4;	High	2471.174336	2.95	3.09	13.9	14.1	2	2	58.73	High	0.0339	6.157479286	High	0.0341	Yes
NP_612206.3	116224	49472830	FAM122A	protein FAM122A [Homo sapiens]	S270	1.5	1.17	VSTTTDSPVsPAQAASPFIPLDELSSK	1	1	5	0	2?TMTfqlex [N-Term; K27]; 1?Phospho [S10(100)]	S10(Phospho): 99.98	S(2): 0.0; T(3): 0.0; T(4): 0.0; T(5): 0.0; S(7): 0.0; S(10): 100.0; S(16): 0.0; S(25): 0.0; S(26): 0.0	TTTDSPVsPAQAASP	S10;	High	3283.675091			1	1	58.73	High	0.0169	4.340378761	High	0.0369	Yes
NP_065875.3	57584	203097003	ARHGAP21	rho GTPase-activating protein 21 [Homo sapiens]	S477	1.28	0.25	SAsQGALTSPSVSFSNHR	1	1	3	0	1?TMTfqlex [N-Term]; 1?Phospho [S3(99)]	S3(Phospho): 99.05	S(1): 1.0; S(3): 99.1; T(8): 0.0; S(9): 0.0; S(11): 0.0; S(13): 0.0; S(15): 0.0	KYCPRSAsQGALTSP	S3;	High	2142.017827			1	1	58.72	High	0.0508	5.627402782	High	0.0337	No
NP_008873.1	6665	5902106	SOX15	protein SOX-15 [Homo sapiens]	S37	1.32	1.53	EGAGsPAAPGTLPLEK	1	1	8	0	2?TMTfqlex [N-Term; K16]; 1?Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; T(11): 0.0	QEREGAGsPAAPGTL	S5;	High	2033.072044	2.46	1.62	6.5	5	4	4	58.72	High	0.3559	5.398676395	High	0.3611	Yes
NP_004550.2	4904	34098946	YBX1	nuclease-sensitive element-binding protein 1 [Homo sapiens]	S174	2.54	1.99	NYQQNYQNSESGEKNEGsESAPEGQAQQR	1	1	29	1	2?TMTfqlex [N-Term; K14]; 1?Phospho [S18(98.5)]	S18(Phospho): 98.54	Y(2): 0.0; Y(6): 0.0; S(9): 0.0; S(11): 0.0; S(18): 98.5; S(20): 1.5	SGENNEGsESAPEGQ	S18;	High	3795.688402	2.8	3.79	16	17	5	5	58.7	High	0.1017	7.838014603	High	0.0446	Yes
NP_078804.2	79576	168229156	NKAP	NF-kappa-B-activating protein [Homo sapiens]	S149	0.74	1.3	IGELGAPEVWGLsPK	1	1	4	0	2?TMTfqlex [N-Term; K15]; 1?Phospho [S13(100)]	S13(Phospho): 100	S(13): 100.0	APEVWGLsPKNPEPD	S13;	High	2091.129165	2.56	9.13	2.7	16.9	2	2	58.7	High	1	5.026251793	High	0.6243	Yes
NP_580780.1	11273	27262649	ATXN2L	ataxin-2-like protein isoform C [Homo sapiens]	S111	1.11	1.78	GPPQsPVFEGVYNNSR	1	7	6	0	1?TMTfqlex [N-Term]; 1?Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; Y(12): 0.0; S(15): 0.0	TGKGPPQsPVFEGVY	S5;	High	2056.969086	20.34	14.12	32.8	36.8	2	2	58.67	High	0.9153	5.212906837	High	0.5854	Yes
NP_000108.1	2010	4557553	EMD	emerin [Homo sapiens]	S49	0.36	0.57	RLsPPSSSAASSYSFSDLNSTR	1	1	2	1	1?TMTfqlex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; S(7): 0.0; S(9): 0.0; S(11): 0.0; S(12): 0.0; Y(13): 0.0; S(14): 0.0; S(16): 0.0; S(20): 0.0; T(21): 0.0	ETQRRRLsPPSSSAA	S3;	High	2626.234755			1	1	58.67	High	0.2034	4.113509655	High	0.2238	Yes
NP_002215.2	3710	153945846	ITPR3	inositol 1,4,5-trisphosphate receptor type 3 [Homo sapiens]	S2670	0.21	0.47	LGFVDVQNCkR	1	1	2	0	1?TMTfqlex [N-Term]; 1?Carbamidomethyl [C9]; 1?Phospho [S11(100)]	S11(Phospho): 100	S(11): 100.0	VDVQNCkR_	S11;	High	1716.834173			1	1	58.62	High	1	3.586433411	High	0.6908	Yes
NP_055627.2	9859	109255228	CEP170	centrosomal protein of 170 kDa isoform alpha [Homo sapiens]	S379		1.94	HDDGTQsDSENAGAHR	1	3	4	0	1?TMTfqlex [N-Term]; 1?Phospho [S7(100)]	S7(Phospho): 99.99	T(5): 0.0; S(7): 100.0; S(9): 0.0	KHDDGTQsDSENAGA	S7;	High	2005.819856			1	1	58.6	High	0.3051	4.293016434	High	0.0746	Yes
NP_000225.1	3978	4557719	LIG1	DNA ligase 1 isoform 1 [Homo sapiens]	S911; S913	2.74	1.97	KQSQQNQQEEDsGsDPEDTY	1	3	2	1	2?TMTfqlex [N-Term; K]; 2?Phospho [S13(99.9); S15(97.5)]	S13(Phospho): 99.93; S15(Phospho): 97.54	S(3): 0.0; S(13): 99.9; S(15): 97.5; T(20): 2.5; Y(21): 0.0	QNQQGEDsGsDPEDTYQ QGEDSGsDPEDTY_	S13; S15;	High	2972.260087			1	1	58.6	High	0.1525	3.61912179	High	0.1768	Yes;Yes
NP_073585.8	64759	65288071	TNS3	tensin-3 [Homo sapiens]	S776	1.29	1.14	KLsLGQYDNDAGGQLPFSK	1	1	3	1	3?TMTfqlex [N-Term; K9; K]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; Y(7): 0.0; S(18): 0.0	GGRLRKLsLGQYDND	S3;	High	2805.479122	6.36	28.02	11.7	47.8	2	2	58.57	High	0.4407	6.870154858	High	0.0801	Yes
NP_055844.2	10940	225007648	POP1	ribonucleases P/MRP protein subunit POP1 [Homo sapiens]	S730	1.08	1.11	VQAYEEPSVAsPNGK	1	1	4	0	2?TMTfqlex [N-Term; K16]; 1?Deamidated [N14(100)]; 1?Phospho [S12(100)]	S12(Phospho): 99.99; N14(Deamidated): 100	Y(4): 0.0; S(8): 0.0; S(11): 0.0; S(12): 100.0	EEPSVAsPNGKESD	S12;	High	2202.073166	0.85	4.28	1.3	6.7	2	2	58.57	High	0.0678	4.936674118	High	0.0547	Yes
NP_115726.1	84310	14150149	C7orf50	uncharacterized protein C7orf50 [Homo sapiens]	S175	1.93	1.7	ELDEEGsDPPLPGR	1	1	10	0	1?TMTfqlex [N-Term]; 1?Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	RELDEEGsDPPLPGR	S7;	High	1819.831255	4.15	1.32	16.1	4.5	4	4	58.54	High	0.9492	5.045063972	High	0.7485	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells.

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Thro. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlanEvidence
NP_001011713.2	122830	190341107	NAA30	N-alpha-acetyltransferase 30 [Homo sapiens]	S39	0.34	7.71	CPFPAGAALACCsEDEEDDEEHEGGGSRSPAGGESATVAAK	1	1	3	1	2?TMTpIplex [N-Term; K41]; 3?Carbamidomethyl [C1; C11; C12]; 2?Phospho [S13(100); S/T]	S13(Phospho): 100; S27(Phospho): 56; S29(Phospho): 50	S(13): 100.0; S(27): 50.0; S(29): 50.0; S(35): 0.0; T(37): 0.0	GAALACCsEDEEDDE	S13;	High	4796.982945					1	1	58.54	High	0.0508	4.50383997	High	0.0756	Yes
NP_008878.3	6731	109638749	SRP72	signal recognition particle subunit SRP72 isoform 1 [Homo sapiens]	S630	1.09	0.85	TVSSPPTSPRPGsAATVSASTSNIPPR	1	2	33	0	1?TMTpIplex [N-Term]; 1?Phospho [S/T]	S13(Phospho): 91.17	T(1): 0.1; S(3): 0.1; S(4): 2.9; T(7): 2.9; S(8): 2.9; S(13): 91.2; T(16): 0.0; S(18): 0.0; S(20): 0.0; T(21): 0.0; S(22): 0.0	PTSPRPGsAATVSAS	S13;	High	3044.561509					1	1	58.48	High	0.0862	5.298075199	High	0.0377	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1083	1	1.72	QSHSEsPSLQSK	1	1	6	0	2?TMTpIplex [N-Term; K12]; 1?Phospho [S6(100)]	S6(Phospho): 100	S(2): 0.0; S(4): 0.0; S(6): 100.0; S(8): 0.0; S(11): 0.0	VRQSHSEsPSLQSKS	S6;	High	1852.920628	29.31	40.9	43.4	130.2	2	2	58.34	High	0.3966	6.29010582	High	0.1463	Yes
NP_055938.1	23150	150010540	FRMD4B	FERM domain-containing protein 4B [Homo sapiens]	S778	0.94	0.43	QNVSTSNSGsMPNLAQK	1	1	2	0	2?TMTpIplex [N-Term; K17]; 1?Oxidation [M1(100)]; 1?Phospho [S10(99.9)]	S10(Phospho): 99.94; M1(Oxidation): 100	S(4): 0.0; T(5): 0.0; S(6): 0.0; S(8): 0.1; S(10): 99.9	VSTSNSGsMPNLAQK	S10;	High	2317.125947					1	1	58.31	High	0.2759	2.979454279	High	0.0705	Yes
NP_001171904.1	29763	296923763	PACSIN3	protein kinase C and casein kinase substrate in neurons protein 3 [Homo sapiens]	S276	0.42	1.68	DLHQGIEAAsDEEDLR	1	1	2	0	1?TMTpIplex [N-Term]; 1?Phospho [S10(100)]	S10(Phospho): 100	S(10): 100.0	HQGIEAAsDEEDLRW	S10;	High	2106.954224					1	1	58.27	High	1	4.970804691	High	0.6841	Yes
NP_002727.2	5577	47132585	PRKAR2B	cAMP-dependent protein kinase type II-beta regulatory subunit [Homo sapiens]	S114	1.02	1.27	RAsVCAEAYNPDEEEDAESR	1	1	2	1	1?TMTpIplex [N-Term]; 1?Carbamidomethyl [C5]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; Y(9): 0.0; S(20): 0.0	NRFTRRAsVCAEAYN	S3;	High	2722.113714					1	1	58.25	High	0.5172	7.212104321	High	0.2996	Yes
NP_055318.2	27340	120587023	UTP20	small subunit processome component 20 homolog [Homo sapiens]	T1741	0.93	0.91	SLSDNGQPGPDPADSGGTSAK	1	1	8	0	2?TMTpIplex [N-Term; K22]; 1?Deamidated [N/Q]; 1?Phospho [T10(100)]	N5(Deamidated): 58; Q7(Deamidated): 58; T10(Phospho): 100	S(1): 0.0; S(3): 0.0; T(10): 100.0; S(16): 0.0; T(19): 0.0; S(20): 0.0	SDNGQPGPDPADSGG	T10;	High	2598.197257	1.75	5.65	2.8	9	3	3	58.25	High	0.2931	3.860345364	High	0.0389	Yes
NP_004738.3	9231	95089461	DLG5	disks large homolog 5 [Homo sapiens]	S1254	0.67	0.58	ATHGSNsLPSSAR	1	1	10	0	1?TMTpIplex [N-Term]; 1?Phospho [S7(100)]	S7(Phospho): 100	T(2): 0.0; S(7): 0.0; S(7): 100.0; S(10): 0.0; S(11): 0.0	RATHGSNsLPSSARL	S7;	High	1593.758365	4.97	5.32	6.6	6.2	4	4	58.22	High	0.2931	5.400218487	High	0.1889	Yes
NP_006302.2	9611	22538461	NCOR1	nuclear receptor corepressor 1 isoform 1 [Homo sapiens]	S1472	1.1	1.41	AQLsPGIYDDTSAR	1	2	2	0	1?TMTpIplex [N-Term]; 1?Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; Y(8): 0.0; T(11): 0.0; S(12): 0.0	EAPKAQLsPGIYDDT	S4;	High	1802.852325					1	1	58.21	High	0.5345	4.019678593	High	0.1567	Yes
NP_055109.1	23471	7657655	TRAM1	translocating chain-associated membrane protein 1 [Homo sapiens]	S365	0.9	0.85	KGTENGVNGTLTSNVADsPR	1	1	9	1	2?TMTpIplex [N-Term; K]; 1?Deamidated [N8(100)]; 1?Phospho [S18(100)]	N8(Deamidated): 100; S18(Phospho): 100	T(3): 0.0; T(10): 0.0; T(12): 0.0; S(13): 0.0; S(18): 100.0	LTSNVADsPRNKKEK	S18;	High	2556.270697	3.78	5.93	6.8	10.2	4	4	58.2	High	0.0862	5.361652851	High	0.0056	Yes
NP_859066.1	200186	32171215	CRTC2	CREB-regulated transcription coactivator 2 [Homo sapiens]	S433	1.15	1.77	RVPLsPLSLLAGPADAR	1	1	2	1	1?TMTpIplex [N-Term]; 1?Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(8): 0.0	HRRRVPLsPLSLLAG	S5;	High	2042.136092					1	1	58.12	High	0.6724	4.915746212	High	0.25	Yes
NP_003371.2	7431	62414289	VIM	vimentin [Homo sapiens]	S430	1.12	1.5	ETNLDsLPLVDTHSK	1	1	4	0	2?TMTpIplex [N-Term; K15]; 1?Phospho [S6(100)]	S6(Phospho): 100	T(2): 0.0; S(6): 100.0; T(12): 0.0; S(14): 0.0	LRETNLDsLPLVDTH	S6;	High	2207.1361	12.25	32.54	19.6	78.2	2	2	58.09	High	0.3448	6.114504814	High	0.1391	Yes
XP_005276555.2	101060521	767896801	LOC101060521	DNA-directed RNA polymerase III subunit RPC5 isoform X1 [Homo sapiens]	S247; S248	1.37	0.83	EAANEAGDssQDEAEDDVK	1	6	2	0	2?TMTpIplex [N-Term; K19]; 2?Phospho [S9(100); S10(100)]	S9(Phospho): 100; S10(Phospho): 100	S(9): 100.0; S(10): 100.0	AANEAGDssQDEAEDAEDAGDSssQDEAEDD	S9; S10;	High	2598.053368					1	1	58.09	High	0.9828	4.025566101	High	0.7395	No;No
NP_001248337.1	8412	387157906	BCAR3	breast cancer anti-estrogen resistance protein 3 isoform 1 [Homo sapiens]	S83	0.93	1.27	QNsPVTQDGIQESPWQDR	1	1	3	0	1?TMTpIplex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(6): 0.0; S(13): 0.0	SKSPRQNsPVTQDGI	S3;	High	2394.092449					1	1	58.08	High	0.1207	6.250200748	High	0.072	Yes
NP_036419.3	23527	187608516	ACAP2	arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2 [Homo sapiens]	S384	0.78	1.06	SSPSTGsLDSGNESK	1	1	4	0	2?TMTpIplex [N-Term; K15]; 1?Phospho [S7(98.8)]	S7(Phospho): 98.81	S(1): 0.0; S(2): 0.0; S(4): 0.0; T(5): 1.2; S(7): 98.8; S(10): 0.0; S(14): 0.0	KSSPSTGsLDSGNES	S7;	High	1990.937066	37.27	11.49	42.6	17.3	2	2	58.06	High	0.2759	4.092743874	High	0.0562	Yes
NP_055053.1	8844	75677325	KSR1	kinase suppressor of Ras 1 [Homo sapiens]	S269	0.62	2.29	RTEsVPSDINNPVDR	1	1	2	1	1?TMTpIplex [N-Term]; 1?Phospho [S4(98.8)]	S4(Phospho): 98.85	T(2): 1.2; S(4): 98.9; S(7): 0.0	TRLRRTEsVPSDINN	S4;	High	2007.969814					1	1	58.06	High	0.0862	3.663396663	High	0.0792	No
NP_003617.1	8500	4505983	PPFIA1	liprin-alpha-1 isoform b [Homo sapiens]	S668	1.1	0.84	VGSGsLDNLGR	1	2	5	0	1?TMTpIplex [N-Term]; 1?Phospho [S5(100)]	S5(Phospho): 100	S(3): 0.0; S(5): 100.0	ESRVGSGsLDNLGRF	S5;	High	1383.683075	4.28	10.88	6.7	13	2	2	58.04	High	0.4138	3.325817585	High	0.1141	Yes
NP_002351.1	7975	4505075	MAFK	transcription factor MafK [Homo sapiens]	S25	1.32	1.13	EAGENAPVLsDDELVSMSVR	1	1	2	0	1?TMTpIplex [N-Term]; 1?Oxidation [M17(100)]; 1?Phospho [S10(100)]	S10(Phospho): 100; M17(Oxidation): 100	S(10): 100.0; S(16): 0.0; S(18): 0.0	GENAPVLsDDELVSM	S10;	High	2443.126137					1	1	58.02	High	0.5345	5.174813271	High	0.2089	Yes
NP_005981.3	6793	126362971	STK10	serine/threonine-protein kinase 10 [Homo sapiens]	S438	0.68	1.3	QVAEQGGDLsPAANR	1	1	4	0	1?TMTpIplex [N-Term]; 2?Deamidated [Q1(100); N14(100)]; 1?Phospho [S18(100)]	Q1(Deamidated): 100; S18(Phospho): 100; N14(Deamidated): 100	S(10): 100.0	AEQGGDLsPAANRSQ	S10;	High	1823.837404	46.65	30.98	46.9	62	2	2	58.01	High	0.2931	4.13666443	High	0.46	Yes
NP_004847.2	9493	6754472	KIF23	kinesin-like protein KIF23 isoform 2 [Homo sapiens]	S684	2.94	1.79	SVsPSPVPLLFQPDQNAPPIR	1	1	14	0	1?TMTpIplex [N-Term]; 1?Phospho [S3(97.7)]	S3(Phospho): 97.67	S(1): 1.2; S(3): 97.7; S(5): 1.2	KVTQRSVsPSPVPLL	S3;	High	2568.342456					1	1	58	High	0.1552	4.699882984	High	0.0191	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S22	0.8	0.65	SGAQASSTPLsPTR	1	4	8	0	1?TMTpIplex [N-Term]; 1?Deamidated [Q4(100)]; 1?Phospho [S11(99)]	Q4(Deamidated): 100; S11(Phospho): 99.97	S(1): 0.0; S(6): 0.0; S(7): 0.0; T(8): 0.0; S(11): 100.0; T(13): 0.0	QASSTPLsPTRITRL	S11;	High	1669.799562	40.44	3.84	48.1	3.6	2	2	57.93	High	0.0345	5.229685783	High	0.0287	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	T1003	0.96	0.85	AQPPGPSLSGSK	1	1	3	0	2?TMTpIplex [N-Term; K13]; 1?Deamidated [Q2(100)]; 1?Phospho [T3(100)]	Q2(Deamidated): 100; T3(Phospho): 100	T(3): 100.0; S(8): 0.0; S(10): 0.0; S(12): 0.0	YPKVKAQsPPGPSLS	T3;	High	1765.913753					1	1	57.93	High	0.7931	4.390248775	High	0.5057	Yes
NP_005327.1	3069	4885409	HDLBP	vigilin isoform a [Homo sapiens]	S31	0.96	1.32	VATLNsEEESDPPTYK	1	2	5	0	2?TMTpIplex [N-Term; K16]; 1?Phospho [S6(100)]	S6(Phospho): 100	T(3): 0.0; S(6): 100.0; S(10): 0.0; T(14): 0.0; Y(15): 0.0	IKVATLNsEEESDPP	S6;	High	2318.12051	15.06	8.77	20.7	16.4	2	2	57.91	High	0.2931	4.583484173	High	0.1201	Yes
NP_073568.2	64710	56118310	NUCKS1	nuclear ubiquitous casein and cyclin-dependent kinase substrate 1 [Homo sapiens]	S19	1.43	0.57	VVDYSQFQEsDDADEDYGRDSGPPTK	1	1	8	1	2?TMTpIplex [N-Term; K26]; 1?Phospho [S10(100)]	S10(Phospho): 100	T(4): 0.0; S(5): 0.0; S(10): 100.0; Y(17): 0.0; S(21): 0.0; T(25): 0.0	DYSQFQEsDDADEDY	S10;	High	3458.53134	2.23	20.74	6.4	23.9	4	4	57.88	High	0.4483	5.582440376	High	0.1219	Yes
NP_001272220.2	1827	557786111	BCAN1	calcipressin-1 isoform e [Homo sapiens]	S192	0.55	0.49	QFLISPPAsPPVGWK	1	9	4	0	2?TMTpIplex [N-Term; K15]; 1?Phospho [S9(100)]	S9(Phospho): 100	S(5): 0.0; S(9): 100.0	FLISPPAsPPVGWKQ	S9;	High	2162.181535	9.34	29.93	7.3	21	2	2	57.88	High	0.4483	4.679059505	High	0.297	No
NP_001171669.1	2017	296080746	CTTN	src substrate cortactin isoform c [Homo sapiens]	T364	1.1	1.76	AKTQPPVSPAPQPTEER	1	3	6	1	2?TMTpIplex [N-Term; K2]; 1?Phospho [T5(100)]	T5(Phospho): 100	T(3): 0.0; T(5): 100.0; S(9): 0.0; T(15): 0.0	QARAKTQPPVSPAP	T5;	High	2472.289975	7.7	2.04	12	5.1	2	2	57.85	High	0.8621	5.634530544	High	0.1261	Yes
NP_001006635.1	55114	54860079	ARHGAP17	rho GTPase-activating protein 17 isoform 1 [Homo sapiens]	S676	1.14	0.75	SPsPPTQHTGQPPGQPSAPSQLSAPR	1	2	8	0	1?TMTpIplex [N-Term]; 1?Phospho [S3(98.7)]	S3(Phospho): 98.68	S(1): 1.3; S(3): 98.7; T(6): 0.0; T(9): 0.0; S(17): 0.0; S(20): 0.0; S(23): 0.0	KPPTRSPsPPTQHTG	S3;	High	2916.420265	1.86	2.04	3.7	2.7	3	3	57.84	High	0.0345	6.178190231	High	0.0388	Yes
NP_000517.2	3861	15431310	KRT14	keratin, type I cytoskeletal 14 [Homo sapiens]	S435	0.21	0.89	LLEGEDAHLSSSQFSSGsQSSR	1	1	20	0	1?TMTpIplex [N-Term]; 1?Deamidated [Q13(100)]; 1?Phospho [S18(98.8)]	Q13(Deamidated): 100; S18(Phospho): 100	S(10): 0.0; S(11): 0.0; S(12): 0.0; S(15): 0.0; S(16): 0.0; S(18): 100.0; S(20): 0.0; S(21): 0.0	SSQFSSGsQSSRDVT	S18;	High	2619.177301					1	1	57.82	High	0.2069	6.371317863	High	0.0078	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1331	0.85	0.56	DLEVTCDPDSGGsQGLR	1	1	5	0	1?TMTpIplex [N-Term]; 1?Carbamidomethyl [C6]; 1?Phospho [S13(100)]	S13(Phospho): 99.98	T(5): 0.0; S(10): 0.0; S(13): 100.0	CDPDSGGsQGLRGCG	S13;	High	2114.926295					1	1	57.81	High	0.2931	3.27248621	High	0.0428	Yes
NP_003891.1	8878	4505571	SQSTM1	sequestosome-1 isoform 1 [Homo sapiens]	S272	1.92	2.91	LTPVsPESSSTEEK	1	2	7	0	2?TMTpIplex [N-Term; K14]; 1?Phospho [S6(100)]	S6(Phospho): 99.99	T(2): 0.0; S(5): 100.0; S(8): 0.0; S(9): 0.0; S(10): 0.0; T(11): 0.0	RSRLTPVsPESSSTE	S5;	High	2029.014254	8.21	1.4	27.8	7.1	3	3	57.8	High	0.1724	5.549120903	High	0.0919	Yes
NP_005919.2	4240	167830475	MFGE8	lactadherin isoform a preproprotein [Homo sapiens]	S42	1.04	1.69	NPCHNGGLCEEIsQEVR	1	2	2	0	1?TMTpIplex [N-Term]; 2?Carbamidomethyl [C3; C9]; 1?Phospho [S13(100)]	S13(Phospho): 100	S(13): 100.0	GGLCEEIsQEVRGDV	S13;	High	2308.004896					1	1	57.78	High	1	4.646801472	High	0.6817	Yes
NP_006684.1	10898	5729939	CPSF4	cleavage and polyadenylation specificity factor subunit 4 isoform 1 [Homo sapiens]	S200	1	1.93	sSSLIQLTSQNSSPNQQR	1	1	11	0	1?TMTpIplex [N-Term]; 1?Phospho [S1(97.9)]	S1(Phospho): 97.93	S(1): 97.9; S(2): 1.0; S(3): 1.0; T(8): 0.0; S(9): 0.0; S(12): 0.0; S(13): 0.0	NNPPLQRsSSLIQLT	S1;	High	2284.113184					1	1	57.72	High	0.0345	4.790649891	High	0.023	Yes
NP_003038.2	6548	27777632	SLC9A1	sodium/hydrogen exchanger 1 [Homo sapiens]	S785	0.82	1.02	SKETSSPGTDDVFTPAPSDsPSSQR	1	1	6	1	2?TMTpIplex [N-Term; K2]; 1?Deamidated [Q24(100)]; 1?Phospho [S28(98.7)]	S20(Phospho): 98.74; Q24(Deamidated): 100	S(1): 0.0; T(4): 0.0; S(5): 0.0; S(6): 0.0; T(9): 0.0; T(14): 0.0; S(18): 0.0; S(20): 98.7; S(22): 1.2; S(23): 0.0	FTPAPSDsPSSQRIQ	S20;	High	3119.44582	17.62	31.26	20.7	47.7	2	2	57.7	High	0.1207	6.81716156	High	0.0088	Yes
NP_001171669.1	2017	296080746	CTTN	src substrate cortactin isoform c [Homo sapiens]	T364; S368	1.69	1.65	TQPPVsPAPQPTEER	1	3	6	0	1?TMTpIplex [N-Term]; 2?Phospho [T3(100); S7(100)]	T3(Phospho): 99.99; S7(Phospho): 100	T(1): 0.0; T(3): 100.0; S(7): 100.0; T(13): 0.0	QARAKTQPPVSPAP;KTQPPVsPAPQPTE	T3; S7;	High	2123.961297	2.41	39.22	5.8	114.1	2	2	57.68	High	0.4483	6.763542175	High	0.3328	Yes;Yes
NP_079527.1	80728	58331179	ARHGAP39	rho GTPase-activating protein 39 isoform 2 [Homo sapiens]	S604	0.54	2.54	AFsEDEALAQQGNR	1	2	2	0	1?TMTpIplex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	GPVVRAFsEDEALAQ	S3;	High	1916.858867					1	1	57.68	High	0.8621	4.535171032	High	0.6784	Yes
NP_001135746.1	23332	214010175	CLASP1	CLIP-associating protein 1 isoform 3 [Homo sapiens]	S649	0.69	1.19	QSSGsATNVASTPDNR	1	4	4	0	1?TMTpIplex [N-Term]; 1?Phospho [S5(100)]	S5(Phospho): 99.99	S(2): 0.0; S(3): 0.0; S(5): 100.0; T(7): 0.0; S(11): 0.0; T(12): 0.0	TRRQSSGsATNVAST	S5;	High	1900.859929	30.57	66.15	30.5	157.4	2	2	57.67	High	0.1724	3.933586597	High	0.0967	Yes
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S1003	0.72	0.95	RLsLGQGDSTEAATEER	1	1	2	1	1?TMTpIplex [N-Term]; 1?Deamidated [Q6(100)]; 1?Phospho [S3(100)]	S3(Phospho): 100; Q6(Deamidated): 100	S(3): 100.0; S(9): 0.0; T(10): 0.0; T(14): 0.0	PESPRRLsLGQGDST	S3;	High	2129.991338					1	1	57.64	High	0.7586	4.388845444	High	0.3827	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	T304	0.72	0.87	SMGYDDLDYGMMSDYGAR	1	15	3	0	1?TMTpIplex [N-Term]; 2?Oxidation [M2(100); M11(100); M12(100)]; 1?Phospho [T17(100)]	M2(Oxidation): 100; M11(Oxidation): 100; M12(Oxidation): 100; T17(Phospho): 100	S(1): 0.0; Y(4): 0.0; Y(9): 0.0; S(13): 0.0; Y(15): 0.0; T(17): 100.0	GMMSDYGtARRTGTP	T17;	High	2504.949475					1	1	57.64	High	0.4138	4.101627827	High	0.1049	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1620; S1621	1.12	0.83	ASRVPssDEEVVEEPQSR	1	1	3	1	1?TMTpIplex [N-Term]; 2?Phospho [S6(100); S7(100)]	S6(Phospho): 100; S7(Phospho): 100	S(2): 0.0; S(6): 100.0; S(7): 100.0; S(17): 0.0	PRASRVPsSDEEVVEtRASRVPSsDEEVVEE	S6; S7;	High	2390.047546	0.8	10.08	1.3	11.8	2	2	57.53	High	0.5345	5.481272221	High	0.2573	Yes;Yes
NP_003038.2	6548	27777632	SLC9A1	sodium/hydrogen exchanger 1 [Homo sapiens]	S785	0.67	0.8	SKETSSPGTDDVFTPAPSDsPSSQR	1	1	13	1	2?TMTpIplex [N-Term; K2]; 1?Phospho [S20(99.1)]	S20(Phospho): 99.11	S(1): 0.0; T(4): 0.0; S(5): 0.0; S(6): 0.0; T(9): 0.0; T(14): 0.0; S(18): 0.0; S(20): 99.1; S(22): 0.9; S(23): 0.0	FTPAPSDsPSSQRIQ	S20;	High	3118.461804	3.13	0.72	3.6	1	3	3	57.52	High	0.0172	8.423582077	High	0.0344	Yes
NP_055109.1	23471	7657655	TRAM1	translocating chain-associated membrane protein 1 [Homo sapiens]	S365	0.87	1.15	GTENGVNGTLTSNVADsPR	1	1	4	0	1?TMTpIplex [N-Term]; 1?Deamidated [N7(100)]; 1?Phospho [S17(100)]	N4(Deamidated): 100; S17(Phospho): 100	T(2): 0.0; T(9): 0.0; T(11): 0.0; S(12): 0.0; S(17): 100.0	LTSNVADsPRNKKEK	S17;	High	2199.012802	1.15	5.31	1.4	8.6	2	2	57.48	High	0.3509	4.858396053	High	0.1317	Yes
NP_001340.2	1615	45439306	DARS	aspartate--tRNA ligase, cytoplasmic isoform 1 [Homo sapiens]	S249	1.49	1.04	NNAYLAQsPQLYK	1	2	2	0	2?TMTpIplex [N-Term; K13]; 1?Phospho [S8(100)]	S8(Phospho): 100	Y(4): 0.0; S(8): 100.0; Y(12): 0.0	NNAYLAQsPQLYKQM	S8;	High	2048.061813					1	1	57.47	High	0.6667	3.652357101	High	0.337	Yes
NP_612410.1	93343	24308440	MVB12A	multivesicular body subunit 12A isoform 1 [Homo sapiens]	S170	1.05	0.57	DMQGLsLDAASQPSK	1	2	2	0	2?TMTpIplex [N-Term; K15]; 1?Oxidation [M2(100)]; 1?Phospho [S6(100)]	M2(Oxidation): 100; S6(Phospho): 100	S(6): 100.0; S(11): 0.0; S(14): 0.0	SRDMQGLsLDAASQP	S6;	High	2102.024108					1	1	57.37	High	0.807	3.822859526	High	0.4031	No
NP_955392.1	7165	40805864	TPD52L2	tumor protein D54 isoform a [Homo sapiens]	S189	3.18	2.14	NSATFKsFEDR	1	8	3	1	2?TMTpIplex [N-Term; K6]; 1?Phospho [S7(100)]	S7(Phospho): 100	S(2): 0.0; T(4): 0.0; S(7): 100.0	RNSATFKsFEDRVGT	S7;	High	1839.90425	1.04	6.34	4.7	19.4	2	2	57.31	High	0.6316	3.855728626	High	0.3057	No
NP_659477.2	112464	47132587	PRKCDBP	protein kinase C delta-binding protein [Homo sapiens]	S165; S166	0.08		APEPLGPADQSELGPEQLEAEVGEssDEEPVESR	1	1	6	0	1?TMTpIplex [N-Term]; 2?Deamidated [Q10(100); Q17(100)]; 2?Phospho [S25(100); S26(100)]	Q10(Deamidated): 100; Q17(Deamidated): 100; S25(Phospho): 100; S26(Phospho): 100	S(11): 0.0; S(25): 100.0; S(26): 100.0; S(33): 0.0	LEAEVGEssDEEPVEAEVGEsDEEPVES	S25; S26;	High	3968.69364	8.69	1.2			3	3	57.3	High	0.2807	4.604435921	High	0.2435	Yes;Yes
NP_776155.1	139341	28603830	FUNDC1	FUN14 domain-containing protein 1 [Homo sapiens]	S17	1	0.83	NPPPQDYESSDDsYEVLDLTEYAR	1	1	9	0	1?TMTpIplex [N-Term]; 1?Phospho [S13(96.9)]	S13(Phospho): 96.92	Y(7): 0.0; S(9): 1.5; S(13): 96.9; Y(14): 1.5; T(20): 0.0; Y(22): 0.0	DYESDDsYEVLDLT	S13;	High	3140.345881		22.17		26.4	1	2	57.3	High	0.0351	4.013970852	High	0.0349	Yes
NP_057240.3	8898	44680154	MTMR2	myotubularin-related protein 2 isoform 1 [Homo sapiens]	S58	2.93	2.75	SASVVSSDSISTSADNFsPDLR	1	1	2	0	1?TMTpIplex [N-Term]; 1?Phospho [S18(100)]	S18(Phospho): 100	S(1): 0.0; S(3): 0.0; S(6): 0.0; S(7): 0.0; S(9): 0.0; S(11): 0.0; T(12): 0.0; S(13): 0.0; S(18): 100.0	STSADNFsPDLRVLR	S18;	High	2551.176237					1	1	57.29	High	0.5088	4.28736639	High	0.1608	Yes
NP_056988.3	9669	84043963	EIF5B	eukaryotic translation initiation factor 5B [Homo sapiens]	S214	1.29	1.04	NKPGPNIEsGNEDDDASK	1	1	6	0	3?TMTpIplex [N-Term; K2; K19]; 1?Phospho [S9(100)]	S9(Phospho): 100	S(9): 100.0; S(17): 0.0	KPGPNIEsGNEDDDA	S9;	High	2801.359794	5.06	8.91	11.3	16.2	3	3	57.27	High	0.8772	5.200753689	High	0.4731	Yes
NP_005096.1	9939	4826972	RBMBA	RNA-binding protein BA [Homo sapiens]	S56	1.62	0.78	MREDYDsVEQDGDEPGPQR	1	1	2	1	1?TMTpIplex [N-Term]; 1?Oxidation [M1(100)]; 1?Phospho [S7(100)]	M1(Oxidation): 100; S7(Phospho): 100	Y(5): 0.0; S(7): 100.0	RMREDYDsVEQDGDE	S7;	High	2548.049657					1	1	57.26	High	0.4561	4.100068092	High	0.1	Yes
NP_003742.2	8662	33239445	EIF3B	eukaryotic translation initiation factor 3 subunit B [Homo sapiens]	S119	1.3	1.3	SDsRAQAVSEDAGGNEGR	1	1	5	1	1?TMTpIplex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(9): 0.0	ARDERSDsRAQAVSE	S3;	High	2114.930134	10.71	8.16	19.8	15.1	2	2	57.2	High	0.1228	5.593667507	High	0.0644	Yes
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S760	0.96	1.2	SSSSSASPSsPSSR	1	4	6	0	1?TMTpIplex [N-Term]; 1?Phospho [S10(100)]	S10(Phospho): 99.97	S(1): 0.0; S(2): 0.0; S(3): 0.0; S(4): 0.0; S(5): 0.0; S(7): 0.0; S(9): 0.0; S(10): 100.0; S(12): 0.0; S(13): 0.0	SSSASPSsPSSREEK	S10;	High	1619.71114	6.5	12.92	8.8	22.2	2	2	57.2	High	0.1228	5.090564251	High	0.0884	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_203744.1	85377	31324577	MICALL1	MICAL-like protein 1 [Homo sapiens]	S578	0.44	4.5	VEQMPQAsPGLAPR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q6(100)]; 1ﾗPhospho [S8(100)]	Q6(Deamidated): 100; S8(Phospho): 100	S(8): 100.0	VEQMPQAsPGLAPRT	S8;	High	1790.870952					1	1	57.2	High	0.3333	3.831816435	High	0.3551	Yes
NP_874365.3	23513	355390313	SCRIB	protein scribble homolog isoform a [Homo sapiens]	S504	0.53	2.35	RSEACPCQPDSGsPLPAEEEK	1	2	5	1	2ﾗTMT6plex [N-Term; K21]; 2ﾗCarbamidomethyl [C5; C7]; 1ﾗPhospho [S13(100)]	S13(Phospho): 99.99	S(2): 0.0; S(11): 0.0; S(13): 100.0	PCQPDSGsPLPAEEE	S13;	High	2882.310195	26.64	2.19	20.3	7.3	2	2	57.15	High	0.1754	6.486736774	High	0.0709	Yes
NP_060225.4	54888	39995082	NSUN2	tRNA (cytosine(34)-C(5))-methyltransferase isoform 1 [Homo sapiens]	S743; S751	2.81	4.38	AGEPNsPDAEEANsPDVTAGCDPAGVHPPR	1	2	9	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C21]; 1ﾗDeamidated [N13(100)]; 2ﾗPhospho [S6(100); S14(97.6)]	S6(Phospho): 100; N13(Deamidated): 100; S14(Phospho): 97.57	S(6): 100.0; S(14): 97.6; T(18): 2.4	QRAGEPNsPDAEEAN;PDAEEANsPDVTAGC	S6; S14;	High	3404.397691					1	1	57.13	High	0.1404	5.036673069	High	0.2996	Yes;Yes
NP_060895.1	55361	13559514	PI4K2A	phosphatidylinositol 4-kinase type 2-alpha [Homo sapiens]	S468	1.18	0.87	SSSESYTQsFQSR	1	1	10	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S9(Phospho): 99.08	S(1): 0.0; S(2): 0.0; S(3): 0.0; S(5): 0.0; Y(6): 0.0; T(7): 0.9; S(9): 99.1; S(12): 0.0	SSESYTQsFQSRKPF	S9;	High	1802.779554	69.64	55.67	167.8	77.8	2	2	57.12	High	0.2105	4.579217911	High	0.0066	Yes
NP_078792.1	79447	13375654	PAGR1	PAXIP1-associated glutamate-rich protein 1 [Homo sapiens]	S237	1.05	1.04	DLFSLDSEDPSPAsPPLR	1	1	10	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S14(100)]	S14(Phospho): 100	S(4): 0.0; S(7): 0.0; S(11): 0.0; S(14): 100.0	SEDPSPAsPPLRSSG	S14;	High	2252.068525	3.06	2.65	6.5	5.5	4	4	57.09	High	0.193	7.115587711	High	0.1924	Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S85; S93	0.94	0.96	RAHsPASTLPNsPGSTFER	1	1	3	1	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S4(100); S12(99.9)]	S4(Phospho): 100; S12(Phospho): 99.93	S(4): 100.0; S(7): 0.0; T(8): 0.0; S(12): 99.9; S(15): 0.0; T(16): 0.0	SSYRRAHsPASTLPN;PASTLPNsPGSTFER	S4; S12;	High	2401.09002					1	1	57.07	High	0.3684	5.524460793	High	0.0199	Yes;Yes
NP_817092.1	5496	29826282	PPM1G	protein phosphatase 1G [Homo sapiens]	S183	1.9	1.2	SGGGTGEEPGsQGLNGEAGPEDSTR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [N15(100)]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100; N15(Deamidated): 100	S(1): 0.0; T(5): 0.0; S(11): 100.0; S(23): 0.0; T(24): 0.0	GTGEEPGsQGLNGEA	S11;	High	2656.120908	1.87	2.72	5	4.6	2	2	56.99	High	0.3684	4.341823578	High	0.1244	Yes
NP_001005731.1	3691	54607033	ITGB4	integrin beta-4 isoform 3 precursor [Homo sapiens]	S1448	0.69	0.94	DYSTLTSVSsHDSR	1	2	11	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S10(99.2)]	S10(Phospho): 99.22	Y(2): 0.0; S(3): 0.0; T(4): 0.0; T(6): 0.0; S(7): 0.0; S(9): 0.8; S(10): 99.2; S(13): 0.0	STLTSVSsHDSRLTA	S10;	High	1863.832318	32.12	27.25	46.7	55	4	4	56.97	High	0.1404	6.237733364	High	0.0385	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5752	0.83	0.66	SSKASLGsLEGEAEAEASSPK	1	1	13	1	3ﾗTMT6plex [N-Term; K3; K21]; 2ﾗPhospho [S5(98.4); S8(100)]	S1(Phospho): 33.34; S2(Phospho): 33.34; S5(Phospho): 33.34; S8(Phospho): 99.97	S(1): 33.3; S(2): 33.3; S(5): 33.3; S(8): 100.0; S(18): 0.0; S(19): 0.0	SSKASLGsLEGEAEA	S8;	High	2882.404041	10.02	10.23	16.8	13.5	4	4	56.95	High	0.0526	6.220378399	High	0.0997	Yes
NP_006654.2	10848	63003907	PPP1R13L	relA-associated inhibitor [Homo sapiens]	S567	1.21	0.99	HGGPGPGGPEPELsPITEGSEAR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S14(100)]	S14(Phospho): 100	S(14): 100.0; T(17): 0.0; S(20): 0.0	GGPEPELsPITEGSE	S14;	High	2537.187077					1	1	56.95	High	0.4035	5.999984741	High	0.1017	Yes
NP_733793.2	9462	226958575	RASAL2	ras GTPase-activating protein nGAP isoform 2 [Homo sapiens]	T761	1.01	0.74	SLTNPtPIQQQLR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T6(100)]	T6(Phospho): 100	S(1): 0.0; T(3): 0.0; T(6): 100.0	TKSLTNPtPIQQQLR	T6;	High	1804.95198	6.84	5.48	9.8	5.7	2	2	56.93	High	0.4386	4.701013088	High	0.1681	No
NP_001058.2	7153	19913406	TOP2A	DNA topoisomerase 2-alpha [Homo sapiens]	S1377	0.53	0.93	SVVsDLEADDVK	1	1	2	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; S(4): 100.0	KPQKSVVsDLEADDV	S4;	High	1814.918897					1	1	56.93	High	0.5088	4.240602493	High	0.2618	Yes
NP_001278893.1	4301	634743290	MLLT4	afadin isoform 4 [Homo sapiens]	S1736	0.86	1	SQDADsPGSSGAPENLTFK	1	2	4	0	2ﾗTMT6plex [N-Term; K19]; 1ﾗPhospho [S6(100)]	S6(Phospho): 99.98	S(1): 0.0; S(6): 100.0; S(9): 0.0; S(10): 0.0; T(17): 0.0	SKSQDADsPGSSGAP	S6;	High	2446.153935	4.87	1.56	5.9	2.2	2	2	56.93	High	0.4035	3.877722263	High	0.1031	No
NP_001230575.1	10421	343887347	CD2BP2	CD2 antigen cytoplasmic tail-binding protein 2 [Homo sapiens]	S49	1.3	2.85	HSLDsDEEEDDDDGGSSK	1	1	4	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S5(100)]	S5(Phospho): 99.99	S(2): 0.0; S(5): 100.0; S(16): 0.0; S(17): 0.0	KGKHSLDsDEEEDDD	S5;	High	2475.008453					1	1	56.92	High	0.0175	5.57984972	High	0.1147	Yes
NP_203752.2	85461	225543461	TANC1	protein TANC1 isoform 1 [Homo sapiens]	S444	0.83	0.73	QIASNsPGSSPK	1	2	2	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S6(100)]	S6(Phospho): 99.99	S(4): 0.0; S(6): 100.0; S(9): 0.0; S(10): 0.0	MRQIASNsPGSSPKT	S6;	High	1710.882786					1	1	56.9	High	0.2807	4.286205769	High	0.1119	Yes
NP_001278893.1	4301	634743290	MLLT4	afadin isoform 4 [Homo sapiens]	S1141	0.59	0.77	SSPNVANQPPsPGGK	1	3	5	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	S(1): 0.0; S(2): 0.0; S(11): 100.0	NVANQPPsPGGKSAY	S11;	High	1975.005027	7.54	8.61	7.8	11.6	3	3	56.88	High	0.9825	6.142727852	High	0.684	No
NP_116254.4	84951	157738639	TNS4	tensin-4 precursor [Homo sapiens]	S416	0.87	1.62	SNsQTLSDAPFTTCPEGPAR	1	1	5	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C14]; 1ﾗPhospho [S3(98.9)]	S3(Phospho): 98.93	S(1): 1.1; S(3): 98.9; T(5): 0.0; S(7): 0.0; T(12): 0.0; T(13): 0.0	CPATRSNsQTLSDAP	S3;	High	2445.095485	11.38	17.88	14.1	42.7	2	2	56.84	High	0.0877	6.017656326	High	0.0498	Yes
NP_061878.3	54468	109150419	MIOS	WD repeat-containing protein mio [Homo sapiens]	S766	0.8	0.95	GFSQYGVSGsPTK	1	1	3	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	S(3): 0.0; Y(5): 0.0; S(8): 0.0; S(10): 100.0; T(12): 0.0	SQYGVSGsPTKSKVT	S10;	High	1852.924651					1	1	56.81	High	0.2456	5.205757141	High	0.0729	Yes
NP_004694.2	9135	31377798	RABEP1	rab GTPase-binding effector protein 1 isoform 1 [Homo sapiens]	S410	1.02	1.42	AQSTDsLGTSGSLQSK	1	3	5	0	2ﾗTMT6plex [N-Term; K16]; 1ﾗPhospho [S3(99)]	S6(Phospho): 99.99	S(3): 0.0; T(4): 0.0; S(6): 100.0; T(9): 0.0; S(10): 0.0; S(12): 0.0; S(15): 0.0	RRAQSTDsLGTSGSL	S6;	High	2105.052765	29.82	8.21	44.9	16.6	2	2	56.8	High	0.2982	4.822126865	High	0.0104	Yes
NP_775752.1	126353	27735067	MISP	mitotic interactor and substrate of PLK1 [Homo sapiens]	S394	0.3	0.31	RALsSDSILSPAPDAR	1	1	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 99.99	S(4): 100.0; S(5): 0.0; S(7): 0.0; S(10): 0.0	PGLRRALsSDSILSP	S4;	High	1965.000386					1	1	56.78	High	0.1754	4.959876537	High	0.0726	Yes
NP_002620.1	5223	4505753	PGAM1	phosphoglycerate mutase 1 [Homo sapiens]	S14	0.85	0.7	HGEsAWNLENR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	VLIRHGEsAWNLENR	S4;	High	1621.73215	3.19	0.57	3.8	0.6	2	2	56.77	High	0.9123	4.906799793	High	0.6843	Yes
NP_073613.2	114885	19923592	OSBPL11	oxysterol-binding protein-related protein 11 [Homo sapiens]	S181	0.93	0.53	SFSLASSSNsPISQR	1	1	7	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q14(100)]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100; Q14(Deamidated): 100	S(1): 0.0; S(3): 0.0; S(6): 0.0; S(7): 0.0; S(8): 0.0; S(10): 100.0; S(13): 0.0	SLASSSNsPISQRRP	S10;	High	1877.884354					1	1	56.7	High	0.1404	5.171695709	High	0.0967	Yes
NP_005427.2	8030	46852390	CCDC6	coiled-coil domain-containing protein 6 [Homo sapiens]	S244	0.75	0.94	LDQPVSAPPsPR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	S(6): 0.0; S(10): 100.0	QPVSAPPsPRDISME	S10;	High	1572.798439	13.34	47.82	14.2	70.5	2	2	56.69	High	0.7018	3.362992287	High	0.256	Yes
NP_004389.2	1662	13514831	DDX10	probable ATP-dependent RNA helicase DDX10 [Homo sapiens]	S831	1.5	0.81	SNsEVEDVGPTSHNR	1	1	5	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(99.2)]	S3(Phospho): 99.22	S(1): 0.8; S(3): 99.2; T(11): 0.0; S(12): 0.0	GMKKRSNsEVEDVGP	S3;	High	1936.859929					1	1	56.68	High	0.1404	5.993716717	High	0.0484	Yes
NP_055416.2	30846	21361462	EHD2	EH domain-containing protein 2 [Homo sapiens]	S438	0.52	0.18	GPDEAMEDGEEGsDDEAEWVVTKDK	1	1	2	1	3ﾗTMT6plex [N-Term; K23; K25]; 1ﾗOxidation [M6(100)]; 1ﾗPhospho [S13(100)]	M6(Oxidation): 100; S13(Phospho): 100	S(13): 100.0; T(22): 0.0	MEDGEEGsDDEAEWV	S13;	High	3521.575796					1	1	56.65	High	0.7193	4.133755207	High	0.4891	Yes
NP_663304.1	6885	21735562	MAP3K7	mitogen-activated protein kinase kinase kinase 7 isoform B [Homo sapiens]	S389	0.3	2.48	RMsADMSEIEAR	1	4	2	1	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M2(100)]; 1ﾗPhospho [S3(100)]	M2(Oxidation): 100; S3(Phospho): 100	S(3): 100.0; S(7): 0.0	TSEGKRMsADMSEIE	S3;	High	1720.759687					1	1	56.65	High	0.8421	3.775619984	High	0.4233	Yes
NP_006065.2	10346	117938316	TRIM22	E3 ubiquitin-protein ligase TRIM22 isoform 1 [Homo sapiens]	S383	1.2	1.51	sSGFAFDPSVNYSK	1	2	4	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S1(100)]	S1(Phospho): 99.99	S(1): 100.0; S(2): 0.0; S(9): 0.0; Y(12): 0.0; S(13): 0.0	SSLNKRKsSGFAFDP	S1;	High	2043.982894					1	1	56.6	High	0.0526	2.810684681	High	0.0925	Yes
NP_006438.1	10600	5454156	USP16	ubiquitin carboxyl-terminal hydrolase 16 isoform a [Homo sapiens]	S552	1.88		NINMDNDLEVLTSsPTR	1	2	7	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M4(100)]; 1ﾗPhospho [S14(97.2)]	M4(Oxidation): 100; S14(Phospho): 97.23	T(12): 0.0; S(13): 1.4; S(14): 97.2; T(16): 1.4	DLEVLTSsPTRNLNG	S14;	High	2244.041659					1		56.54	High	0.1228	5.987037182	High	0.0467	Yes
NP_079104.3	79886	262527223	CAAP1	caspase activity and apoptosis inhibitor 1 isoform 1 [Homo sapiens]	S89	1.36	2.48	sTDSSSVSGSLQQETK	1	1	4	0	2ﾗTMT6plex [N-Term; K16]; 1ﾗPhospho [S1(100)]	S1(Phospho): 99.97	S(1): 100.0; T(2): 0.0; S(4): 0.0; S(5): 0.0; S(6): 0.0; S(8): 0.0; S(10): 0.0; T(15): 0.0	SERRKRRsTDSSSVS	S1;	High	2179.053159					1	1	56.54	High	0.0877	4.433485985	High	0.0203	Yes
NP_003713.3	8626	31543818	TP63	tumor protein 63 isoform 1 [Homo sapiens]	S463	0.5	0.96	QTSIQSPSSYGNSsPPLNK	1	4	20	0	2ﾗTMT6plex [N-Term; K19]; 1ﾗDeamidated [N18(100)]; 1ﾗPhospho [S14(98.7)]	S14(Phospho): 98.67; N18(Deamidated): 100	T(2): 0.0; S(3): 0.0; S(6): 0.0; S(8): 0.0; S(9): 0.0; Y(10): 0.0; S(13): 1.3; S(14): 98.7	PSSYGNSsPPLNKMN	S14;	High	2531.243085	108.84	33.69	89.7	48.5	2	2	56.5	High	0.125	5.528565884	High	0.0289	Yes
NP_958786.1	5339	41322923	PLEC	plectin isoform 1a [Homo sapiens]	S21	0.72	0.72	TSsEDNLYLAVLR	1	1	8	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(2): 0.0; S(3): 100.0; Y(8): 0.0	LGRKRTSsEDNLYLA	S3;	High	1789.893462					1	1	56.5	High	0.1964	5.192868233	High	0.0328	Yes
NP_005603.3	5978	301897974	REST	RE1-silencing transcription factor [Homo sapiens]	S864	1.06	0.91	ESVSTEDLSPPsPPLPK	1	1	2	0	2ﾗTMT6plex [N-Term; K17]; 1ﾗPhospho [S12(100)]	S12(Phospho): 100	S(2): 0.0; S(4): 0.0; T(5): 0.0; S(9): 0.0; S(12): 100.0	TEDLSPPsPPLPKEN	S12;	High	2318.193281					1	1	56.48	High	0.3393	4.05436039	High	0.1383	Yes
NP_001409.3	1982	289577080	EIF4G2	eukaryotic translation initiation factor 4 gamma 2 isoform 1 [Homo sapiens]	T508	1.12	2.11	TQtPPLGQTPQLGLK	1	2	3	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [T3(99.2)]	T3(Phospho): 99.21	T(1): 0.8; T(3): 99.2; T(9): 0.0	AQPPRTQtPPLGQTP	T3;	High	2117.177177					1	1	56.43	High	0.1429	5.416228771	High	0.0664	Yes
NP_001135746.1	23332	214010175	CLASP1	CLIP-associating protein 1 isoform 3 [Homo sapiens]	S646; S649	1.67	2.22	RQsSGsATNVASTPDNR	1	4	4	1	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S3(98.5); S6(100)]	S3(Phospho): 98.52; S6(Phospho): 100	S(3): 98.5; S(4): 1.5; S(6): 100.0; T(8): 0.0; S(12): 0.0; T(13): 0.0	RIRTRRQsSGSATNV;TRRQSSGsATNVAST	S3; S6;	High	2136.927371					1	1	56.43	High	0.0179	4.553841114	High	0.0286	Yes;Yes
NP_062538.5	56254	34878777	RNF20	E3 ubiquitin-protein ligase BRE1A [Homo sapiens]	S138	1.93	2.11	ALVVPEPEPDSDsNQER	1	1	7	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S13(100)]	S13(Phospho): 100	S(11): 0.0; S(13): 100.0	EPEPDSDsNQERKDD	S13;	High	2191.011739	1.88	10.47	6.3	39.7	3	3	56.42	High	0.1607	4.34854269	High	0.0529	Yes
NP_115677.2	84261	124248558	FBXW9	F-box/WD repeat-containing protein 9 [Homo sapiens]	S18	0.88	1.03	TWDDDsDPESETDPDAQAK	1	1	3	0	2ﾗTMT6plex [N-Term; K19]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	T(1): 0.0; S(6): 100.0; S(10): 0.0; T(12): 0.0	SRTWDDDsDPESETD	S6;	High	2660.128902					1	1	56.41	High	0.1964	4.356262207	High	0.1514	Yes
NP_001106207.1	23272	163838631	FAM208A	protein FAM208A isoform a [Homo sapiens]	S1103	0.75	0.84	GGNLPPVsPNDSGAK	1	2	6	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; S(12): 0.0	GGNLPPVsPNDSGAK	S8;	High	1947.994128	18.41	3.08	24.3	4.5	3	3	56.41	High	0.6964	4.146699429	High	0.2602	Yes
NP_001269030.1	10413	530788252	YAP1	yorkie homolog isoform 9 [Homo sapiens]	S105; S109	2.64	0.32	SHsRQAsTDAGTAGALTPQHVR	1	8	9	1	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S3(100); S7(100)]	S3(Phospho): 97.72; S7(Phospho): 99.94	S(1): 2.3; S(3): 97.7; S(7): 99.9; T(8): 0.1; T(12): 0.0; T(17): 0.0	PPEPKSHsRQASTDA;KSHSRQAsTDAGTAG	S3; S7;	High	2637.213323					1	1	56.4	High	0.0357	9.30348587	High	0.0774	Yes;Yes
NP_001269588.1	55031	544063395	USP47	ubiquitin carboxyl-terminal hydrolase 47 isoform a [Homo sapiens]	S890	1.07	0.91	STETSDFENIEsPLNER	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S12(100)]	S12(Phospho): 100	S(1): 0.0; T(2): 0.0; T(4): 0.0; S(5): 0.0; S(12): 100.0	SDFENIEsPLNERDS	S12;	High	2277.012132					1	1	56.4	High	0.8571	3.807333946	High	0.5459	No
NP_110418.1	81537	13540569	SGPP1	sphingosine-1-phosphate phosphatase 1 [Homo sapiens]	S112	1.02	1.01	RNsLTGEEGQLAR	1	1	4	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(5): 0.0	AGALRRNsLTGEEGQ	S3;	High	1739.863893	6	4.65	8.6	6.7	2	2	56.37	High	0.0714	6.008753777	High	0.1314	Yes
NP_001295076.1	26030	815890885	PLEKHG3	pleckstrin homology domain-containing family G member 3 [Homo sapiens]	S643	0.53	0.38	SSSVLsLEGSEK	1	1	3	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(1): 0.0; S(2): 0.0; S(3): 0.0; S(6): 100.0; S(10): 0.0	SRSSSVLsLEGSEKG	S6;	High	1760.908332	37.28	33.24	28.8	18	2	2	56.36	High	0.4643	3.288318872	High	0.1763	Yes
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S50	0.2	0.24	SGGGGGGGFGRVsLAGACGVGGYGSR	1	1	10	1	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C18]; 1ﾗPhospho [S13(100)]	S13(Phospho): 100	S(1): 0.0; S(13): 100.0; Y(23): 0.0; S(25): 0.0	GGGFGRVsLAGACGV	S13;	High	2566.181949	107.9	34.28	52.5	18.5	5	5	56.34	High	0.4821	4.358058929	High	0.3761	Yes
NP_006816.2	10970	19920317	CKAP4	cytoskeleton-associated protein 4 [Homo sapiens]	S460	1.05	0.99	LEGLGsSEADQDGLASTVR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 99.99	S(6): 100.0; S(7): 0.0; S(16): 0.0; T(17): 0.0	GRLEGLGsSEADQDG	S6;	High	2214.048852					1	1	56.34	High	0.0536	3.811682701	High	0.0656	Yes
NP_005598.3	5747	27886593	PTK2	focal adhesion kinase 1 isoform b [Homo sapiens]	S932	1.32	1.37	LQPQEIsPPPTANLDR	1	3	7	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; T(11): 0.0	KLQPQEIsPPPTANL	S7;	High	2085.057901	3.16	3.94	7.2	9.4	3	3	56.32	High	0.5179	5.448303223	High	0.2771	No
NP_003165.2	6840	150417971	SVIL	supervillin isoform 1 [Homo sapiens]	S221	0.56	0.54	QAHDLsPAAESSSTFSFSGR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(11): 0.0; S(12): 0.0; S(13): 0.0; T(14): 0.0; S(16): 0.0; S(18): 0.0	TRQAHDLsPAAESSS	S6;	High	2391.081549					1	1	56.31	High	0.5179	5.889697075	High	0.3599	Yes
NP_006232.1	5504	5453946	PPP1R2	protein phosphatase inhibitor 2 isoform 2 [Homo sapiens]	S122	0.86	0.58	IQEQESsGEEDSDLSPEER	1	3	7	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(98.8)]	S7(Phospho): 98.89	S(6): 1.1; S(7): 98.9; S(12): 0.0; S(15): 0.0	RIQEQESsGEEDSDL	S7;	High	2473.045283	25.07	42.96	31.3	36.4	2	2	56.31	High	0.1429	4.028880119	High	0.268	Yes
NP_061330.2	55971	32171238	BAIAP2L1	brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 1 [Homo sapiens]	T257	0.79	0.55	TPASTPVSGtPQASPMIER	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M16(100)]; 1ﾗPhospho [S14(100)]	T10(Phospho): 100; M16(Oxidation): 100	T(1): 0.0; S(4): 0.0; T(5): 0.0; S(8): 0.0; T(10): 100.0; S(14): 0.0	ASTPVSGtPQASPMI	T10;	High	2252.08313	36.44	21.66	42.2	16.8	2	2	56.3	High	0.2143	5.234323025	High	0.1013	Yes
NP_056371.1	26037	7662126	SIPA1L1	signal-induced proliferation-associated 1-like protein 1 isoform 1 [Homo sapiens]	S1508	0.79	0.49	HQsDGNEIAHTR	1	4	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(11): 0.0	DTRKRHQsDGNEIAH	S3;	High	1673.759428					1	1	56.27	High	1	5.611768246	High	0.5722	Yes
NP_001191354.1	100533467	324715041	BIVM-ERCC5	BIVM-ERCC5 protein [Homo sapiens]	S980	0.38	1.28	ELTPAsPTCTNSVSK	1	2	2	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗCarbamidomethyl [C9]; 1ﾗPhospho [S6(100)]	S6(Phospho): 99.99	T(3): 0.0; S(6): 100.0; T(8): 0.0; T(10): 0.0; S(12): 0.0; S(14): 0.0	GRELTPAsPTCTNSV	S6;	High	2130.055408					1	1	56.27	High	0.2857	3.21701169	High	0.0776	No
NP_003371.2	7431	62414289	VIM	vimentin [Homo sapiens]	S51	0.69	0.75	sLYASSPGGVYATR	1	1	10	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; Y(3): 0.0; S(5): 0.0; S(6): 0.0; Y(11): 0.0; T(13): 0.0	LRPSTSRsLYASSPG	S1;	High	1737.841032	17.62	7.62	24.8	11.4	4	4	56.26	High	0.1429	5.083063602	High	0.0866	Yes
NP_002963.2	6305	239735519	SBF1	myotubularin-related protein 5 [Homo sapiens]	T1137	0.48	0.43	LGLGtLSSSLSR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T5(100)]	T5(Phospho): 100	T(5): 100.0; S(7): 0.0; S(8): 0.0; S(9): 0.0; S(11): 0.0	YQRLGLGtLSSSLSR	T5;	High	1499.80319					1	1	56.26	High	0.2857	3.331649542	High	0.1021	Yes
NP_005900.2	4131	153945728	MAP1B	microtubule-associated protein 1B [Homo sapiens]	S1797	2.64	3.34	ESSPLYsPTFSDSTSAVK	1	1	14	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S7(100)]	S7(Phospho): 99.98	S(2): 0.0; S(3): 0.0; Y(6): 0.0; S(7): 100.0; T(9): 0.0; S(11): 0.0; S(13): 0.0; T(14): 0.0; S(15): 0.0	RESSPLYsPTFSDST	S7;	High	2441.188924	6.01	5.4	36.6	42.1	5	5	56.23	High	0.0536	5.211370468	High	0.0211	Yes
NP_001135452.1	7158	213972636	TP53BP1	tumor suppressor p53-binding protein 1 isoform 1 [Homo sapiens]	S557	0.04		IDEDGENTQIEDTEPMsPVLNSK	1	3	3	0	2ﾗTMT6plex [N-Term; K23]; 1ﾗPhospho [S17(100)]	S17(Phospho): 100	T(8): 0.0; T(13): 0.0; S(17): 100.0; S(22): 0.0	IEDTEPMsPVLNSKF	S17;	High	3099.448127					1		56.21	High	0.0357	5.612678051	High	0.2103	No
NP_002547.1	5007	4505531	OSBP	oxysterol-binding protein 1 [Homo sapiens]	S190; S193	0.09		MLAEsDEsGDEESVSQTDKTELQNTLR	1	1	3	1	2ﾗTMT6plex [N-Term; K19]; 2ﾗPhospho [S5(100); S8(100)]	S5(Phospho): 100; S8(Phospho): 100	S(5): 100.0; S(8): 100.0; S(13): 0.0; S(15): 0.0; T(17): 0.0; T(20): 0.0; T(25): 0.0	AVKMLAEsDESGDEE;MLAESDEsGDEESVS	S5; S8;	High	3630.617134					1		56.19	High	0.625	4.386677265	High	0.2893	Yes;Yes
NP_005215.1	1820	4885193	ARID3A	AT-rich interactive domain-containing protein 3A [Homo sapiens]	S77	1.18	0.8	AAAAGLGHPAsPGGSEDGPPGSEEEDAAR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(97.9)]	S11(Phospho): 97.87	S(11): 97.9; S(15): 2.1; S(22): 0.0	AGLGHPAsPGGSEDG	S11;	High	2969.311168					1	1	56.17	High	0.0357	3.588273287	High	0.0418	Yes
NP_001070254.1	79832	115647981	QSER1	glutamine and serine-rich protein 1 [Homo sapiens]	T1341; S1348	0.01		GQDTVAIEGFtDEEDTEsGGEGQYR	1	1	2	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [T11(100); S18(99.9)]	T11(Phospho): 100; S18(Phospho): 99.93	T(4): 0.0; T(11): 100.0; T(16): 0.1; S(18): 99.9; Y(24): 0.0	TVAIEGFtDEEDTES;TDEEDTEsGGEGQYR	T11; S18;	High	3079.229211					1		56.15	High	0.2857	3.297430277	High	0.2212	Yes;Yes
NP_038477.2	11176	91176325	BAZ2A	bromodomain adjacent to zinc finger domain protein 2A isoform 1 [Homo sapiens]	S1397	1.79	0.47	AGDPGEMPQsPTGLGQPK	1	2	2	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗOxidation [M7(100)]; 1ﾗPhospho [S10(100)]	M7(Oxidation): 100; S10(Phospho): 100	S(10): 100.0; T(12): 0.0	DPGEMPQsPTGLGQP	S10;	High	2321.124884					1	1	56.14	High	0.3214	4.285586834	High	0.1748	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_065939.2	57648	112734870	KIAA1522	uncharacterized protein KIAA1522 isoform 1 [Homo sapiens]	S628	0.25	1.33	SPGASVSsSLTSLCSSSSDPAPSDR	1	2	7	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C14]; 1×Phospho [S9(98.2)]	S8(Phospho): 99.93	S(1): 0.0; S(5): 0.0; S(7): 0.0; S(8): 99.9; S(9): 0.0; T(11): 0.0; S(12): 0.0; S(15): 0.0; S(16): 0.0; S(17): 0.0; S(18): 0.0; S(23): 0.0	SPGASVSsSLTSLCS	S8;	High	2748.223264	49.06	49.94	17.5	118.5	2	2	56.13	High	0.1429	3.808595657	High	0.0131	No
NP_060077.1	54776	14149716	PPP1R12C	protein phosphatase 1 regulatory subunit 12C isoform a [Homo sapiens]	S452	2.01	4.7	SAsSSWLEGTSTQAK	1	2	7	0	2×TMT6plex [N-Term; K15]; 1×Phospho [S3(98)]	S3(Phospho): 98.03	S(1): 1.0; S(3): 98.0; S(4): 1.0; S(5): 0.0; T(10): 0.0; S(11): 0.0; T(12): 0.0	AGLQRSAsSSWLEGT	S3;	High	2078.020736					1	1	56.08	High	0.2321	5.551653385	High	0.0126	Yes
NP_067062.1	58517	55741709	RBM25	RNA-binding protein 25 [Homo sapiens]	S677	1	1.45	LGASNsPGQPNSVK	1	1	12	0	2×TMT6plex [N-Term; K14]; 1×Deamidated [Q9(100)]; 1×Phospho [S6(100)]	S6(Phospho): 99.98; N11(Deamidated): 100	S(4): 0.0; S(6): 100.0; S(12): 0.0	LKLGASNsPGQPNSV	S6;	High	1894.967579	17.26	0.11	40.2	0.4	5	5	56.08	High	0.1964	4.478945255	High	0.0982	Yes
NP_077269.3	79137	187607445	FAM134A	protein FAM134A [Homo sapiens]	S385	0.61	0.84	QALDsEEEEDVAAK	1	1	4	0	2×TMT6plex [N-Term; K15]; 1×Deamidated [Q1(100)]; 1×Phospho [S5(100)]	Q1(Deamidated): 100; S5(Phospho): 100	S(5): 100.0	LSRQALDsEEEEDV	S5;	High	2202.010291	3.47	43.5	3	55.4	2	2	56.07	High	0.9464	4.975564003	High	0.6968	Yes
NP_004719.2	9188	50659095	DDX21	nucleolar RNA helicase 2 isoform 1 [Homo sapiens]	S13	2.53	0.88	SDAGLEsDTAMK	1	1	3	0	2×TMT6plex [N-Term; K12]; 1×Oxidation [M11(100)]; 1×Phospho [S7(100)]	S7(Phospho): 100; M11(Oxidation): 100	S(1): 0.0; S(7): 100.0; T(9): 0.0	RSDAGLEsDTAMKKG	S7;	High	1778.828368					1	1	56.07	High	0.2857	3.260874271	High	0.1748	Yes
NP_003807.1	8754	4501915	ADAM9	disintegrin and metalloproteinase domain-containing protein 9 precursor [Homo sapiens]	S758	0.87	0.89	HVsPVTPPR	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(6): 0.0	GSVPRHVsPVTPPRE	S3;	High	1298.681953					1	1	56.04	High	0.5536	3.356026411	High	0.378	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	T551	0.42	0.75	VDIETPNLEGtLTGPR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [T11(98.6)]	T11(Phospho): 98.55	T(5): 0.0; T(11): 98.6; T(13): 1.5	ETPNLEGtLTGPRLG	T11;	High	2021.015367					1	1	56.03	High	0.1607	4.231439114	High	0.0827	Yes
NP_001163935.1	5128	281427168	CDK17	cyclin-dependent kinase 17 isoform 2 [Homo sapiens]	S122	2.07	0.69	MGSDGESDQASGTSSDEVQsPTGVCLR	1	2	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C25]; 1×Oxidation [M1(100)]; 1×Phospho [S20(97.5)]	M1(Oxidation): 100; S20(Phospho): 97.49	S(3): 0.0; S(7): 0.0; S(11): 0.0; T(13): 0.0; S(14): 0.0; S(15): 0.0; S(20): 97.5; T(22): 2.5	TSSDEVQsPTGVCLR	S20;	High	3082.281584					1	1	56.02	High	0.1607	3.026642561	High	0.1023	Yes
NP_061830.3	23616	85815829	SH3BP1	SH3 domain-binding protein 1 [Homo sapiens]	S550	0.64	2.64	VTRsPPETAAPVEDMAR	1	1	3	1	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 99.99	T(2): 0.0; S(4): 100.0; T(8): 0.0	ASPKVTRsPPETAAP	S4;	High	2136.035785					1	1	55.99	High	0.25	5.654558659	High	0.0336	Yes
NP_004078.2	1739	148539578	DLG1	disks large homolog 1 isoform 2 [Homo sapiens]	S709	0.92	0.84	NKDQSEQETSDADQHVTSNAsDSESSYR	1	2	17	1	2×TMT6plex [N-Term; K2]; 1×Phospho [S21(99.9)]	S21(Phospho): 99.92	S(5): 0.0; T(9): 0.0; S(10): 0.0; T(17): 0.0; S(18): 0.0; S(21): 99.9; S(23): 0.0; S(25): 0.0; S(26): 0.0; Y(27): 0.0	QHVTSNAsDSESSYR	S21;	High	3653.587685	37.29	17.53	65.4	25.9	3	3	55.97	High	0.125	5.903114796	High	0.0322	Yes
NP_037397.2	738	8393009	VPS51	vacuolar protein sorting-associated protein 51 homolog [Homo sapiens]	S667	1.04	0.92	YAPSYTPsAPMDTNLLSNIQK	1	1	2	0	2×TMT6plex [N-Term; K21]; 1×Oxidation [M11(100)]; 1×Deamidated [N14(100)]; 1×Phospho [S8(97.4)]	S8(Phospho): 97.4; M11(Oxidation): 100; N14(Deamidated): 100	Y(1): 0.0; S(4): 0.1; Y(5): 0.0; T(6): 2.5; S(8): 97.4; T(13): 0.1; S(17): 0.0	YAPSYTPsAPMDTNL	S8;	High	2866.3986					1	1	55.96	High	0.1786	3.379478216	High	0.0651	No
NP_001138784.1	2117	223718207	ETV3	ETS translocation variant 3 isoform 1 [Homo sapiens]	S139	0.96	1.07	SSGVVPQsAPPVPTASSR	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(1): 0.0; S(2): 0.0; S(8): 100.0; T(14): 0.0; S(16): 0.0; S(17): 0.0	SSGVVPQsAPPVPTA	S8;	High	2033.026601	43.26	1.96	64.1	3	2	2	55.92	High	0.5536	4.080710411	High	0.3995	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1666	1.48	0.85	NRsAEEGELAESK	1	1	5	1	2×TMT6plex [N-Term; K13]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(12): 0.0	KLRPRNRsAEEGELA	S3;	High	1957.963221	4.72	13.9	9.9	16.8	2	2	55.85	High	1	7.178193569	High	0.5209	Yes
NP_055792.1	22985	7662238	ACIN1	apoptotic chromatin condensation inducer in the nucleus isoform 1 [Homo sapiens]	S478	0.72	1.6	ELLVSQHTVQLVGGLsPLSSPSDTK	1	3	2	0	2×TMT6plex [N-Term; K25]; 1×Phospho [S16(100)]	S16(Phospho): 100	S(5): 0.0; T(8): 0.0; S(16): 100.0; S(19): 0.0; S(20): 0.0; S(22): 0.0; T(24): 0.0	VQLVGGLsPLSSPSD	S16;	High	3130.680117					1	1	55.84	High	0.3929	6.32109499	High	0.0981	Yes
NP_006729.4	11214	31563330	AKAP13	A-kinase anchor protein 13 isoform 1 [Homo sapiens]	S1910	1.23	0.48	SVsIQNITGVGNDENMSNTWK	1	3	4	0	2×TMT6plex [N-Term; K21]; 1×Oxidation [M16(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; M16(Oxidation): 100	S(1): 0.0; S(3): 100.0; T(8): 0.0; S(17): 0.0; T(19): 0.0	VSLSKSVsIQNITGV	S3;	High	2848.358859					1	1	55.82	High	0.3571	7.026701927	High	0.0427	No
NP_001171579.1	7739	296010963	ZNF185	zinc finger protein 185 isoform 3 [Homo sapiens]	S466	0.43	1.27	REsCGSSVLTDFEGK	1	8	3	1	2×TMT6plex [N-Term; K15]; 1×Carbamidomethyl [C4]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; S(7): 0.0; T(10): 0.0	EQLVRREsCGSSVLT	S3;	High	2210.05647					1	1	55.81	High	0.25	5.559215546	High	0.0737	No
NP_067062.1	58517	55741709	RBM25	RNA-binding protein 25 [Homo sapiens]	S677	1.12	1.37	LGASNsPGQPNSVK	1	1	6	0	2×TMT6plex [N-Term; K14]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(4): 0.0; S(6): 100.0; S(12): 0.0	LKLGASNsPGQPNSV	S6;	High	1893.983563	1.04	4.53	2	10.8	3	3	55.78	High	0.4464	4.787714005	High	0.1044	Yes
NP_115871.1	84444	22094135	DOT1L	histone-lysine N-methyltransferase, H3 lysine-79 specific [Homo sapiens]	S374	1.46	1.01	VAGPADAPMDsGAEEEK	1	1	2	0	2×TMT6plex [N-Term; K17]; 1×Oxidation [M9(100)]; 1×Phospho [S11(100)]	M9(Oxidation): 100; S11(Phospho): 100	S(11): 100.0	PADAPMDsGAEEEKA	S11;	High	2228.019416					1	1	55.74	High	0.8036	3.648902655	High	0.6685	Yes
NP_001074419.1	4641	124494247	MYO1C	unconventional myosin-Ic isoform b [Homo sapiens]	S10	1	1.06	ASALGsDGVR	1	1	4	0	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(2): 0.0; S(6): 100.0	YRASALGsDGVRVTM	S6;	High	1241.608848	46.64	38.42	73.9	62.7	2	2	55.74	High	0.7857	2.980671644	High	0.4329	Yes
NP_001163887.1	9414	282165810	TJP2	tight junction protein ZO-2 isoform 3 [Homo sapiens]	T1058	1.74	1.16	SNPSAVAGNEtPGASTK	1	3	2	0	2×TMT6plex [N-Term; K17]; 1×Phospho [T11(100)]	T11(Phospho): 100	S(1): 0.0; S(4): 0.0; T(11): 100.0; S(15): 0.0; T(16): 0.0	SAVAGNEtPGASTKG	T11;	High	2126.053099					1	1	55.71	High	0.4464	5.517063618	High	0.2554	No
NP_006188.3	5108	134142826	PCM1	pericentriolar material 1 protein [Homo sapiens]	S65	1.34	1.95	VTNDIsPESSPGVGR	1	1	6	0	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	T(2): 0.0; S(6): 100.0; S(9): 0.0; S(10): 0.0	KRVTNDIsPESSPGV	S6;	High	1823.873789	25.17	22.25	50.6	67.6	2	2	55.7	High	0.375	4.372428417	High	0.1693	Yes
NP_001640.1	357	4502175	SHROOM2	protein Shroom2 [Homo sapiens]	S413	0.62	1.35	LQASLsSSDVR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S6(99.3)]	S6(Phospho): 99.26	S(4): 0.7; S(6): 99.3; S(7): 0.0; S(8): 0.0	SRLQASLsSSDVRFP	S6;	High	1471.735505					1	1	55.69	High	0.2321	3.519678831	High	0.0966	Yes
NP_001135746.1	23332	214010175	CLASP1	CLIP-associating protein 1 isoform 3 [Homo sapiens]	S1156	0.77	0.6	DGGAAsPATEGR	1	4	2	0	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; T(9): 0.0	SRDGGAAsPATEGRG	S6;	High	1397.625954					1	1	55.66	High	0.5357	4.267244816	High	0.1007	No
NP_036441.2	22941	226817313	SHANK2	SH3 and multiple ankyrin repeat domains protein 2 isoform 1 [Homo sapiens]	S422	0.23	0.99	SNsDNNLNASAPDWAVCSTATSHR	1	1	3	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C17]; 1×Phospho [S3(98.9)]	S3(Phospho): 98.93	S(1): 1.1; S(3): 98.9; S(10): 0.0; S(18): 0.0; T(19): 0.0; T(21): 0.0; S(22): 0.0	RVLLRSNsDNNLNAS	S3;	High	2884.251879					1	1	55.65	High	0.0893	5.890945911	High	0.034	No
NP_001287789.1	9879	664806097	DDX46	probable ATP-dependent RNA helicase DDX46 isoform 1 [Homo sapiens]	S804	2.65	0.4	AALGLQDsDDEDAAVDIDEQIESMFNSK	1	2	3	0	2×TMT6plex [N-Term; K28]; 1×Oxidation [M24(100)]; 1×Phospho [S8(100)]	S8(Phospho): 100; M24(Oxidation): 100	S(8): 100.0; S(23): 0.0; S(27): 0.0	AALGLQDsDDEDAAV	S8;	High	3580.629005					1	1	55.6	High	0.4464	3.080339909	High	0.2922	Yes
NP_001119575.1	29127	186910300	RACGAP1	rac GTPase-activating protein 1 [Homo sapiens]	S203	2.96	2.49	sIGSAVDQGNESIVAK	1	1	4	0	2×TMT6plex [N-Term; K16]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(4): 0.0; S(12): 0.0	GPVKKTRsIGSAVDQ	S1;	High	2113.094236					1	1	55.56	High	0.8571	5.001389503	High	0.056	Yes
NP_061918.3	54521	45238858	WDR44	WD repeat-containing protein 44 isoform 1 [Homo sapiens]	S403	1.13	0.98	EYVSNDAAQsDDEEKLQSQPTDTDGGR	1	3	2	1	2×TMT6plex [N-Term; K15]; 1×Phospho [S10(100)]	S10(Phospho): 100	Y(2): 0.0; S(4): 0.0; S(10): 100.0; S(18): 0.0; T(21): 0.0; T(23): 0.0	VSNDAAQsDDEEKLQ	S10;	High	3493.564431					1	1	55.55	High	0.3929	6.071856022	High	0.1697	Yes
NP_003147.2	6786	21070997	STIM1	stromal interaction molecule 1 isoform 2 precursor [Homo sapiens]	S618	0.98	0.43	SHsPSSPDPDTPSPVGDSR	1	2	8	0	1×TMT6plex [N-Term]; 1×Phospho [S3(98.8)]	S3(Phospho): 98.8	S(1): 1.2; S(3): 98.8; S(5): 0.0; S(6): 0.0; T(11): 0.0; S(13): 0.0; S(18): 0.0	LDSSRSHsPSSPDPD	S3;	High	2230.981501	0.23	5.12	0.3	3.1	2	2	55.52	High	0.0179	6.621858597	High	0.0423	Yes
NP_002408.3	4288	103472005	MKI67	antigen KI-67 isoform 1 [Homo sapiens]	S584	0.65	0.76	AQSLVISPPAPsPR	1	2	6	0	1×TMT6plex [N-Term]; 1×Phospho [S12(100)]	S12(Phospho): 100	S(3): 0.0; S(7): 0.0; S(12): 100.0	VISPPAPsPRKTPVA	S12;	High	1728.924702	4.51	25.43	5	34.5	3	3	55.48	High	0.4545	6.017680645	High	0.3654	Yes
NP_778253.2	374454	194018511	KRT77	keratin, type II cytoskeletal 1b [Homo sapiens]	S60	0.03	0.13	sLYNLGGSR	1	1	4	0	1×TMT6plex [N-Term]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; Y(3): 0.0; S(8): 0.0	GRGFGSRsLYNLGGS	S1;	High	1275.629583		482.58		113.7	1	2	55.44	High	0.6364	4.42295742	High	0.0973	No
NP_055622.3	9854	42716277	C2CD2L	C2 domain-containing protein 2-like isoform 1 [Homo sapiens]	S663	0.71	1.49	EAGLSQsHDDLSNATATPSVR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S7(98.4)]	S7(Phospho): 98.45	S(5): 1.6; S(7): 98.5; S(12): 0.0; T(15): 0.0; T(17): 0.0; S(19): 0.0	KEAGLSQsHDDLSNA	S7;	High	2465.150691					1	1	55.43	High	0.0909	5.296875954	High	0.0792	No
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S652	1.74	2.4	SYLLGNSsPR	1	3	3	0	1×TMT6plex [N-Term]; 1×Phospho [S8(99.2)]	S8(Phospho): 99.25	S(1): 0.0; Y(2): 0.0; S(7): 0.8; S(8): 99.3	SYLLGNSsPRTQSPQ	S8;	High	1402.692912					1	1	55.37	High	0.2364	3.135153294	High	0.035	Yes
NP_958931.1	89953	41871960	KLC4	kinesin light chain 4 isoform b [Homo sapiens]	S608	0.55	0.71	AAsLNYLNQPSAAPLQVSR	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; Y(6): 0.0; S(11): 0.0; S(18): 0.0	SNMKRAAsLNYLNQP	S3;	High	2309.185227					1	1	55.36	High	0.4182	5.696597576	High	0.1719	No
NP_004634.1	8106	4758876	PABPN1	polyadenylate-binding protein 2 [Homo sapiens]	S150	0.25	0.34	QMNMsPPPGNAGPVIMSIEEK	1	2	8	0	2×TMT6plex [N-Term; K21]; 3×Oxidation [M2(100); M4(100); M16(100)]; 1×Phospho [S5(100)]	M2(Oxidation): 100; M4(Oxidation): 100; S5(Phospho): 100; M16(Oxidation): 100	S(5): 100.0; S(17): 0.0	VEKQMNMsPPPGNAG	S5;	High	2813.332511	131.05	105.68	49	54.3	2	2	55.36	High	0.7636	3.326155186	High	0.5165	Yes
NP_001005731.1	3691	54607033	ITGB4	integrin beta-4 isoform 3 precursor [Homo sapiens]	S1387	0.5	0.34	MDFAFPGSTNsLHR	1	3	8	0	1×TMT6plex [N-Term]; 1×Oxidation [M1(100)]; 1×Phospho [S11(100)]	M1(Oxidation): 100; S11(Phospho): 100	S(8): 0.0; T(9): 0.0; S(11): 100.0	AFPGSTNsLHRMTTT	S11;	High	1904.856365	47.62	170.32	50.7	169.4	4	4	55.34	High	0.3273	4.971476555	High	0.0785	Yes
NP_065823.1	57532	32698730	NUFIP2	nuclear fragile X mental retardation-interacting protein 2 [Homo sapiens]	S212; S214	1.32	0.98	GADNDGsGsESGYTTPK	1	1	8	0	2×TMT6plex [N-Term; K17]; 2×Phospho [S7(100); S9(100)]	S7(Phospho): 100; S9(Phospho): 100	S(7): 100.0; S(9): 100.0; S(11): 0.0; Y(13): 0.0; T(14): 0.0; T(15): 0.0	KGADNDGsGSESGYT;ADNDGSGsESGYTTP	S7; S9;	High	2260.941239	17.88	6.38	34.3	8.8	2	2	55.33	High	0.3636	3.937033176	High	0.3629	Yes;Yes
NP_001171914.1	65125	296939600	WNK1	serine/threonine-protein kinase WNK1 isoform 4 [Homo sapiens]	S2292	0.45	0.15	DVDDGSGSPHsPHQLSSK	1	4	2	0	2×TMT6plex [N-Term; K18]; 1×Phospho [S11(100)]	S11(Phospho): 100	S(6): 0.0; S(8): 0.0; S(11): 100.0; S(16): 0.0; S(17): 0.0	DGSGSPHsPHQLSSK	S11;	High	2388.123304					1	1	55.32	High	0.3091	5.923238277	High	0.1554	No
NP_075385.1	65108	13491174	MARCKSL1	MARCKS-related protein [Homo sapiens]	S22	3.78	1.16	GDVTAEEAAGAsPAKANGQENGHVK	1	1	8	1	3×TMT6plex [N-Term; K15; K25]; 2×Deamidated [N17(98.7); N21(98.7)]; 1×Phospho [S12(100)]	S12(Phospho): 100; N17(Deamidated): 98.69; N21(Deamidated): 98.69	T(4): 0.0; S(12): 100.0	AEEAAGAsPAKANGQ	S12;	High	3177.566828					1	1	55.28	High	0.1273	7.383944988	High	0.042	Yes
NP_722549.2	50488	27436917	MINK1	misshapen-like kinase 1 isoform 3 [Homo sapiens]	S701	1.32	1.03	SNsAWQIYLQR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; Y(8): 0.0	RARPRSNsAWQIYLQ	S3;	High	1674.820237					1	1	55.24	High	0.3636	4.888873577	High	0.1554	Yes
NP_000349.1	7045	4507467	TGFBI	transforming growth factor-beta-induced protein ig-h3 precursor [Homo sapiens]	S649	1.06	0.95	GDELADsALEIFK	1	1	3	0	2×TMT6plex [N-Term; K13]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	RGDELADsALEIFKQ	S7;	High	1945.992396					1	1	55.2	High	0.8	2.689493179	High	0.6431	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S874	1.68	1.17	KETEsEAEDNLDDLEK	1	3	4	1	3×TMT6plex [N-Term; K16; K]; 1×Phospho [T3(100)]	S5(Phospho): 100	T(3): 0.0; S(5): 100.0	EPKKETEsEAEDNLD	S5;	High	2632.284564	1.81	17.82	4.3	30.2	2	2	55.18	High	0.3455	6.437746048	High	0.073	Yes
NP_001122390.2	4140	731441413	MARK3	MAP/microtubule affinity-regulating kinase 3 isoform a [Homo sapiens]	S469	0.67	1.07	GIAPAsPMLGNASNPNK	1	5	2	0	2×TMT6plex [N-Term; K17]; 1×Oxidation [M8(100)]; 1×Phospho [S6(100)]	S6(Phospho): 100; M8(Oxidation): 100	S(6): 100.0; S(13): 0.0	GKGIAPAsPMLGNAS	S6;	High	2193.113926					1	1	55.15	High	0.9091	3.463088512	High	0.5405	Yes
NP_001737.1	821	10716563	CANX	calnexin precursor [Homo sapiens]	S583	0.78	0.92	AEEDEILNRsPR	1	1	17	1	1×TMT6plex [N-Term]; 1×Deamidated [N8(100)]; 1×Phospho [S10(100)]	N8(Deamidated): 100; S10(Phospho): 100	S(10): 100.0	EDEILNRsPRNRKPR	S10;	High	1738.821025	8.49	12.05	18.9	32.1	8	8	55.14	High	1	5.61573267	High	0.6174	Yes
NP_777567.1	151987	28372531	PPP4R2	serine/threonine-protein phosphatase 4 regulatory subunit 2 [Homo sapiens]	S159	0.89	0.62	MNGVMFPGNsPSYTER	1	1	4	0	1×TMT6plex [N-Term]; 2×Oxidation [M1(100); M5(100)]; 1×Deamidated [N2(100)]; 1×Phospho [S10(98)]	M1(Oxidation): 100; N2(Deamidated): 100; M5(Oxidation): 100; S10(Phospho): 98.04	S(10): 98.0; S(12): 2.0; Y(13): 0.0; T(14): 0.0	GVMFPGNsPSYTERS	S10;	High	2128.891824	17.18	10.74	21.8	9.4	2	2	55.12	High	0.2727	5.026444435	High	0.0378	Yes
NP_037450.2	84726	149192855	PRRC2B	protein PRRC2B [Homo sapiens]	S416	1.47	0.87	QLsMSSADSADAK	1	1	5	0	2×TMT6plex [N-Term; K13]; 1×Oxidation [M4(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; M4(Oxidation): 100	S(3): 100.0; S(5): 0.0; S(6): 0.0; S(9): 0.0	PRRQRQLsMSSADSA	S3;	High	1864.876381					1	1	55.1	High	0.7455	4.191246986	High	0.1074	Yes
NP_056041.1	23274	54792782	CLEC16A	protein CLEC16A isoform 1 [Homo sapiens]	S980		0.6	SAAVETASLsPSLVPAR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S10(97.8)]	S10(Phospho): 97.78	S(1): 0.0; T(6): 1.1; S(8): 1.1; S(10): 97.8; S(12): 0.0	AVETASLsPSLVPAR	S10;	High	1965.025538						1	55.1	High	0.1636	3.12291193	High	0.0737	Yes
NP_002871.1	5894	4506401	RAF1	RAF proto-oncogene serine/threonine-protein kinase [Homo sapiens]	S29	3.03	0.98	DAVFDGSSCIsPTIVQQFGYQR	1	1	3	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C9]; 1×Phospho [S11(98.5)]	S11(Phospho): 98.48	S(7): 0.0; S(8): 0.0; S(11): 98.5; T(13): 1.5; Y(20): 0.0	FDGSSCIsPTIVQQF	S11;	High	2784.290162					1	1	55.03	High	0.2	3.394155025	High	0.118	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	T869	0.57	0.87	SQSSHSYDDStLPLIDR	1	15	10	0	1×TMT6plex [N-Term]; 1×Phospho [T11(99)]	T11(Phospho): 98.94	S(1): 0.0; S(3): 0.0; S(4): 0.0; S(6): 0.0; Y(7): 0.0; S(10): 1.1; T(11): 98.9	SHSYDDStLPLIDRN	T11;	High	2230.022638	68.54	4.02	76.3	6.1	3	3	55.02	High	0.2727	5.518238544	High	0.0362	Yes
NP_001278910.1	5796	634743231	PTPRK	receptor-type tyrosine-protein phosphatase kappa isoform c precursor [Homo sapiens]	S873; T877	0.75	3.15	YLCEGTEsPYQtGQLHPAIR	1	4	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C3]; 2×Phospho [S8(97.9); T12(100)]	S8(Phospho): 97.89; T12(Phospho): 100	Y(1): 0.0; T(6): 2.1; S(8): 97.9; Y(10): 0.0; T(12): 100.0	YLCEGTEsPYQTGQL;GTESPYQtGQLHPAI	S8; T12;	High	2709.19825					1	1	55.01	High	0.1455	4.575148582	High	0.1987	No;No

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_003852.1	8816	55741849	DCAF5	DDB1- and CUL4-associated factor 5 isoform 1 [Homo sapiens]	T497	0.7	1.57	VTTTNTVAStPPTPTCEDAASR	1	3	2	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C16]; 1ﾗPhospho [T10(100)]	T10(Phospho): 99.97	T(2): 0.0; T(3): 0.0; T(4): 0.0; T(6): 0.0; S(9): 0.0; T(10): 100.0; T(13): 0.0; T(15): 0.0; S(21): 0.0	TTNTVAStPPTPTCE	T10;	High	2586.195593					1	1	54.98	High	0.1636	3.659842253	High	0.0765	Yes
NP_733793.2	9462	226958575	RASAL2	ras GTPase-activating protein nGAP isoform 2 [Homo sapiens]	S1095	1.18	1.03	QQTQQVQSPVDSATMsPVER	1	2	5	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M15(100)]; 1ﾗPhospho [S16(100)]	M15(Oxidation): 100; S16(Phospho): 100	T(3): 0.0; S(8): 0.0; S(12): 0.0; T(14): 0.0; S(16): 100.0	PVDSATMsPVERTAA	S16;	High	2541.185363	6.46	14.22	10.8	21	2	2	54.95	High	0.1818	6.712150097	High	0.0641	No
NP_004420.1	1947	4758248	EFNB1	ephrin-B1 precursor [Homo sapiens]	S281	0.49	0.54	AAALsLSTLASPK	1	1	3	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(7): 0.0; T(8): 0.0; S(11): 0.0	QQRAAALsLSTLASP	S5;	High	1768.002173					1	1	54.91	High	0.4727	3.895456791	High	0.1359	Yes
NP_002886.2	5933	34577079	RBL1	retinoblastoma-like protein 1 isoform a [Homo sapiens]	T385	0.42	1.58	EAVItPVASATQSVSR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T5(100)]	T5(Phospho): 100	T(5): 100.0; S(9): 0.0; T(11): 0.0; S(13): 0.0; S(15): 0.0	REKEAVItPVASATQ	T5;	High	1924.994238					1	1	54.9	High	0.5636	2.855916262	High	0.2867	Yes
NP_065812.1	57521	22094987	RPTOR	regulatory-associated protein of mTOR isoform 1 [Homo sapiens]	S863	0.8	1.02	VLDTSSLTQSAPAsPTNK	1	2	2	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S14(100)]; 1ﾗDeamidated [N17(100)]	S14(Phospho): 100; N17(Deamidated): 100	T(4): 0.0; S(5): 0.0; S(6): 0.0; T(8): 0.0; S(10): 0.0; S(14): 100.0; T(16): 0.0	LTQSAPAsPTNKGVH	S14;	High	2356.204909					1	1	54.89	High	0.2909	4.36268568	High	0.1399	Yes
NP_060537.3	55700	78042577	MAP7D1	MAP7 domain-containing protein 1 isoform 1 [Homo sapiens]	S834	0.99	1.49	AVVQsPQVTEVL	1	3	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; T(9): 0.0	LKKAVVQsPQVTEVL	S5;	High	1578.834156					1	1	54.89	High	0.6545	2.969650745	High	0.5185	Yes
NP_065812.1	57521	22094987	RPTOR	regulatory-associated protein of mTOR isoform 1 [Homo sapiens]	S863	0.99	0.89	VLDTSSLTQSAPAsPTNK	1	2	4	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S14(100)]	S14(Phospho): 100	T(4): 0.0; S(5): 0.0; S(6): 0.0; T(8): 0.0; S(10): 0.0; S(14): 100.0; T(16): 0.0	LTQSAPAsPTNKGVH	S14;	High	2355.220893	6.24	9.44	8.8	11.9	2	2	54.88	High	0.1636	6.028988361	High	0.0779	Yes
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S14	0.34	0.2	SGGsRSFSTASAITPSVSR	1	1	12	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S4(Phospho): 98.73	S(1): 1.3; S(4): 98.7; S(6): 0.0; S(8): 0.0; T(9): 0.0; S(11): 0.0; T(14): 0.0; S(16): 0.0; S(18): 0.0	VSFRSGGsRSFSTAS	S4;	High	2164.059692	53.93	72.75	37.4	29	4	4	54.84	High	0.0727	6.310328484	High	0.0872	Yes
NP_004955.2	3065	13128860	HDAC1	histone deacetylase 1 [Homo sapiens]	S421; S423	0.75	1.86	IACEEEFsDsEEEGEGGR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C3]; 2ﾗPhospho [S8(100); S10(100)]	S8(Phospho): 100; S10(Phospho): 100	S(8): 100.0; S(10): 100.0	IACEEEFsDSEEEGE;CEEEFSDsEEEGEGG	S8; S10;	High	2418.888328					1	1	54.82	High	1	3.273790359	High	0.8777	Yes;Yes
NP_001135452.1	7158	213972636	TP53BP1	tumor suppressor p53-binding protein 1 isoform 1 [Homo sapiens]	T1653	1.1	0.7	SNVSSPATPTASSSSSTtPTR	1	3	11	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T18(93.8)]	T18(Phospho): 93.79	S(1): 0.0; S(4): 0.0; S(5): 0.0; T(8): 0.0; T(10): 0.0; S(12): 0.0; S(13): 0.0; S(14): 0.0; S(15): 0.1; S(16): 2.1; T(17): 2.1; T(18): 93.8; T(20): 2.1	ASSSSSTtPTRKITE	T18;	High	2332.086694	6.78		10.6		2	1	54.76	High	0.0545	3.620790243	High	0.0304	No
NP_001239007.1	9958	355330276	USP15	ubiquitin carboxyl-terminal hydrolase 15 isoform 1 [Homo sapiens]	T955	0.53	2.76	GASAAtGIPLESDEDSNDNDNDIENENCMHTN	1	2	9	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C28]; 1ﾗOxidation [M29(100)]; 1ﾗPhospho [T6(90.9)]	T6(Phospho): 90.87; M29(Oxidation): 100	S(3): 0.0; T(6): 90.9; S(12): 4.6; S(16): 4.6; T(31): 0.0	TKGASAAtGIPLESD	T6;	High	3774.485381	60.87	19	48.4	85.5	2	2	54.74	High	0.3455	3.550059557	High	0.0113	No
NP_001895.1	1499	4503131	CTNNB1	catenin beta-1 [Homo sapiens]	S552	1.6	0.73	TsMGGTQQQFVEGVR	1	1	8	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M3(100)]; 1ﾗPhospho [S2(100)]	S2(Phospho): 99.97; M3(Oxidation): 100	T(1): 0.0; S(2): 100.0; T(6): 0.0	QDTQRRTsMGGTQQQ	S2;	High	1949.898958	4.54	36.69	10.3	39.1	2	2	54.71	High	0.8364	5.217012882	High	0.0057	Yes
NP_005546.2	3854	119703753	KRT6B	keratin, type II cytoskeletal 6B [Homo sapiens]	S547	0.34	0.48	ATGGGLSSVGGGSsTIK	1	1	14	0	2ﾗTMT6plex [N-Term; K17]; 1ﾗPhospho [S14(99)]	S14(Phospho): 99.03	T(2): 0.0; S(7): 0.0; S(8): 0.0; S(13): 0.0; S(14): 99.0; T(15): 1.0	SSVGGGSsTIKYTTT	S14;	High	1974.030907	80.52	14.49	40	9.8	2	2	54.7	High	0.0364	4.320074558	High	0.0278	No
NP_001078846.1	4163	146229340	MCC	colorectal mutant cancer protein isoform 1 [Homo sapiens]	S484	1.05	2.52	LQSVQATGPSsPGR	1	2	8	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q5(100)]; 1ﾗPhospho [S11(99.2)]	Q5(Deamidated): 100; S11(Phospho): 99.16	S(3): 0.0; T(7): 0.0; S(10): 0.8; S(11): 99.2	VQATGPSsPGRLTST	S11;	High	1694.831196	27.4	2.68	42.4	9.6	2	2	54.67	High	0.4	3.576106548	High	0.0168	No
NP_002201.1	3685	4504763	ITGAV	integrin alpha-V isoform 1 precursor [Homo sapiens]	S1046	0.15	0.18	EQLQPHENGEGNsET	1	3	3	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [N8(100)]; 1ﾗPhospho [S13(100)]	N8(Deamidated): 100; S13(Phospho): 99.99	S(13): 100.0; T(15): 0.0	HENGEGNsET_	S13;	High	1978.822876					1	1	54.67	High	0.2182	3.281944036	High	0.0152	Yes
NP_005554.1	3925	5031851	STMN1	stathmin isoform a [Homo sapiens]	S25	2.95	0.41	ASGQAFELILsPR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q4(100)]; 1ﾗPhospho [S11(100)]	Q4(Deamidated): 100; S11(Phospho): 100	S(2): 0.0; S(11): 100.0	QAFELILsPRSKESV	S11;	High	1698.866519					1	1	54.66	High	0.9091	4.166082859	High	0.6499	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5841	1.05	1.26	GHYEVTGsDDETGKLQGSGVSLASK	1	1	6	1	3ﾗTMT6plex [N-Term; K14; K25]; 1ﾗDeamidated [Q16(100)]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100; Q16(Deamidated): 100	Y(3): 0.0; T(6): 0.0; S(8): 100.0; T(12): 0.0; S(18): 0.0; S(21): 0.0; S(24): 0.0	GHYEVTGsDDETGKL	S8;	High	3290.639658	1.96	5.76	3.6	12.6	3	3	54.57	High	0.0545	9.737410545	High	0.0667	Yes
NP_002826.3	5782	196114951	PTPN12	tyrosine-protein phosphatase non-receptor type 12 isoform 1 [Homo sapiens]	S332	2.01	0.41	IADGVNEINTENMVSSIEPEKQDsPPPKPPR	1	3	2	1	3ﾗTMT6plex [N-Term; K21; K28]; 1ﾗOxidation [M13(100)]; 1ﾗPhospho [S24(100)]	M13(Oxidation): 100; S24(Phospho): 100	T(10): 0.0; S(15): 0.0; S(16): 0.0; S(24): 100.0	IEPEKQDsPPPKPPR	S24;	High	4172.118966					1	1	54.57	High	0.2364	8.060994148	High	0.1303	Yes
NP_036228.1	26060	6912242	APPL1	DCC-interacting protein 13-alpha [Homo sapiens]	S401	1.29	0.73	VNQSALEAVTPsPSFQQR	1	1	8	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S12(100)]; 1ﾗDeamidated [N/Q]	S12(Phospho): 99.98; Q16(Deamidated): 98.6	S(4): 0.0; T(10): 0.0; S(12): 100.0; S(14): 0.0	ALEAVTPsPSFQQRH	S12;	High	2269.106308	37.62	30.07	77.6	31.8	2	2	54.55	High	0.2364	4.595350742	High	0.0326	Yes
NP_003038.2	6548	27777632	SLC9A1	sodium/hydrogen exchanger 1 [Homo sapiens]	S785	0.61	0.93	ETSSPGTDDVFTPAPSDsPSSQR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q22(100)]; 1ﾗPhospho [S18(98.6)]	S18(Phospho): 98.55; Q22(Deamidated): 100	T(2): 0.0; S(3): 0.0; S(4): 0.0; T(7): 0.0; T(12): 0.0; S(16): 0.0; S(18): 98.6; S(20): 1.4; S(21): 0.0	FTPAPSDsPSSQRIQ	S18;	High	2675.155896					1	1	54.51	High	0.1091	4.961093426	High	0.0484	Yes
NP_006300.1	9209	5453726	LRRFIP2	leucine-rich repeat flightless-interacting protein 2 isoform 1 [Homo sapiens]	S328	0.83	1.23	RGsGDTSSLIDPDTSLSELR	1	4	4	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(6): 0.0; S(7): 0.0; S(8): 0.0; T(14): 0.0; S(15): 0.0; S(17): 0.0	GNSSRRGsGDTSSLI	S3;	High	2415.160194					1	1	54.47	High	0.2407	6.685429573	High	0.1375	Yes
NP_061973.1	55929	13123776	DMAP1	DNA methyltransferase 1-associated protein 1 [Homo sapiens]	S454	0.94	1.71	REsASSSSSVK	1	1	4	1	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; S(6): 0.0; S(7): 0.0; S(8): 0.0; S(9): 0.0	NSRKRREsASSSSSV	S3;	High	1662.846401	3.91	0.49	5.2	1.2	2	2	54.47	High	0.3519	4.861332893	High	0.2058	Yes
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S397	1.15	1.82	QKFNDsEGDDTEETEDYR	1	3	4	1	2ﾗTMT6plex [N-Term; K2]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; T(11): 0.0; T(14): 0.0; Y(17): 0.0	GKQKFNDsEGDDTEE	S6;	High	2716.16635	1.03	4.47	1.7	11.5	2	2	54.43	High	0.463	6.051887512	High	0.2347	Yes
NP_055847.1	23047	7657269	PDS5B	sister chromatid cohesion protein PDS5 homolog B [Homo sapiens]	S1358	0.89	0.83	AEsPESSAIESTQSTPQK	1	1	8	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; S(7): 0.0; S(11): 0.0; T(12): 0.0; S(14): 0.0; T(15): 0.0	RAQQRAEsPESSAIE	S3;	High	2415.169251	7.12	1.66	11	2.4	3	3	54.42	High	0.0185	6.4817729	High	0.1744	Yes
NP_055458.1	9658	7662010	ZNF516	zinc finger protein 516 [Homo sapiens]	S116	1.02	0.89	ASEGLDACAsPTK	1	1	3	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗCarbamidomethyl [C8]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	S(2): 0.0; S(10): 100.0; T(12): 0.0	EGLDACAsPTKSASA	S10;	High	1844.886551					1	1	54.41	High	0.3889	4.996040821	High	0.1	Yes
NP_775873.2	57609	55749758	DIP2B	disco-interacting protein 2 homolog B [Homo sapiens]	S203	0.51	0.52	GTSGsLADVFANTR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 99.99	T(2): 0.0; S(3): 0.0; S(5): 100.0; T(13): 0.0	EVKGTSGsLADVFAN	S5;	High	1704.815546		19.52		14.4	1	2	54.37	High	0.1481	3.878014565	High	0.1134	Yes
NP_060541.3	55701	50843837	ARHGEF40	rho guanine nucleotide exchange factor 40 isoform 1 [Homo sapiens]	S262	0.73	0.7	GSPTDAEGsPGLSR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(2): 0.0; T(4): 0.0; S(9): 100.0; S(13): 0.0	SPTDAEGsPGLSRVR	S9;	High	1639.752611	7.01	39.16	7.2	40.4	2	2	54.32	High	0.463	4.072648525	High	0.3145	Yes
NP_001135452.1	7158	213972636	TP53BP1	tumor suppressor p53-binding protein 1 isoform 1 [Homo sapiens]	S1033	0.9	1.56	NGSTAVAESVAsPQK	1	3	2	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗDeamidated [N1(100)]; 1ﾗPhospho [S12(100)]	N1(Deamidated): 100; S12(Phospho): 100	S(3): 0.0; T(4): 0.0; S(9): 0.0; S(12): 100.0	AVAESVAsPQKTMSV	S12;	High	1984.999273					1	1	54.31	High	0.1296	5.341252804	High	0.2004	No
NP_004313.1	572	10835069	BAD	bcl2 antagonist of cell death [Homo sapiens]	S99	1.23	1.23	SRsAPPNLWAAQR	1	1	6	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0	PFRGRSRsAPPNLWA	S3;	High	1762.895133	9.42	17.78	16.5	31.8	2	2	54.27	High	1	4.805520535	High	0.0769	Yes
NP_958786.1	5339	41322923	PLEC	plectin isoform 1a [Homo sapiens]	S21	0.71	0.46	TSsEDNLYLAVLR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [N6(100)]; 1ﾗPhospho [S3(99.3)]	S3(Phospho): 99.32; N6(Deamidated): 100	T(1): 0.0; S(2): 0.7; S(3): 99.3; Y(8): 0.0	LGRKRTSsEDNLYLA	S3;	High	1790.877478					1	1	54.26	High	0.1667	3.314826727	High	0.0483	Yes
NP_001099008.1	10514	157694494	MYBBP1A	myb-binding protein 1A isoform 1 [Homo sapiens]	S1267	1.61	0.98	NQKPSQVNGAPGsPTEPAGQK	1	2	12	0	3ﾗTMT6plex [N-Term; K3; K21]; 1ﾗDeamidated [N8(100)]; 1ﾗPhospho [S13(100)]	N8(Deamidated): 100; S13(Phospho): 100	S(5): 0.0; S(13): 100.0; T(15): 0.0	QVNGAPGsPTEPAGQ	S13;	High	2860.480913	2.12	12.13	4.8	17	2	2	54.25	High	0.1296	5.529905796	High	0.0651	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1387	1.17	0.95	SSGHSSSELsPDAVEK	1	1	14	0	2ﾗTMT6plex [N-Term; K16]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	S(1): 0.0; S(2): 0.0; S(5): 0.0; S(6): 0.0; S(7): 0.0; S(10): 100.0	GHSSSELsPDAVEKA	S10;	High	2155.032029	13.94	10.07	23.4	13.5	2	2	54.24	High	0.3148	5.919203758	High	0.1791	Yes
NP_079107.6	96764	151301096	TGS1	trimethylguanosine synthase [Homo sapiens]	S154	1.73	3	EYEEDDILAsDDPSSIEQYENTR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	Y(2): 0.0; S(10): 100.0; S(14): 0.0; S(15): 0.0; Y(19): 0.0; T(22): 0.0	EEDDILAsDDPSSIE	S10;	High	3027.282947					1	1	54.24	High	0.3889	4.482459068	High	0.1384	Yes
NP_003619.2	8502	53829374	PKP4	plakophilin-4 isoform a [Homo sapiens]	S314	1.25	0.71	VGsPLTLTDAQTR	1	4	2	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q11(100)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100; Q11(Deamidated): 100	S(3): 100.0; T(6): 0.0; T(8): 0.0; T(12): 0.0	QTTARVGsPLTLTDA	S3;	High	1668.840698					1	1	54.24	High	0.3333	3.174437284	High	0.2461	Yes
NP_001245308.1	9497	385648268	SLC4A7	sodium bicarbonate cotransporter 3 isoform b [Homo sapiens]	S263	1.23	1.27	NGILASPQsAPGNLDNSK	1	2	3	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(6): 0.0; S(9): 100.0; S(17): 0.0	GILASPQsAPGNLDN	S9;	High	2321.190261					1	1	54.22	High	0.2407	4.968377113	High	0.1107	No
NP_036234.3	473	112382216	RERE	arginine-glutamic acid dipeptide repeats protein isoform a [Homo sapiens]	S53; S56	1.27	1.12	NYAEsDHsEDEDNDNNSATAEESTKK	1	1	2	1	3ﾗTMT6plex [N-Term; K25; K26]; 2ﾗPhospho [S5(100); S8(100)]	S5(Phospho): 100; S8(Phospho): 100	Y(2): 0.0; S(5): 100.0; S(8): 100.0; S(17): 0.0; T(19): 0.0; S(23): 0.0; T(24): 0.0	GAKNYAEsDHSEDED;NYAESDHsEDEDNDN	S5; S8;	High	3747.578723					1	1	54.19	High	0.3333	8.115166664	High	0.4483	Yes;Yes
NP_002102.4	3064	90903231	HTT	huntingtin [Homo sapiens]	S1876	1.17	0.69	LLSPQMsGEEEDSDLAAK	1	1	4	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗOxidation [M6(100)]; 1ﾗPhospho [S7(100)]	M6(Oxidation): 100; S7(Phospho): 99.95	S(3): 0.1; S(7): 100.0; S(13): 0.0	KLLSPQMsGEEEDSD	S7;	High	2474.177373	10.74	9.71	17.9	9.4	2	2	54.19	High	0.0741	5.48040247	High	0.1533	No
NP_003066.2	6601	21237805	SMARCC2	SWI/SNF complex subunit SMARCC2 isoform a [Homo sapiens]	S283	1.09	1	TLTDEVNsPDSDRR	1	3	5	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	T(1): 0.0; T(3): 0.0; S(8): 100.0; S(11): 0.0	TLTDEVNsPDSDRRD	S8;	High	1913.880331	18.27	16.85	28.8	24.1	2	2	54.19	High	0.4074	4.631475449	High	0.1555	Yes
NP_001278893.1	4301	634743290	MLLT4	afadin isoform 4 [Homo sapiens]	S1042	1.3	1.15	TSsVVTLEVAK	1	3	5	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(2): 0.0; S(3): 100.0; T(6): 0.0	ELMTRTSsVVTLEVA	S3;	High	1671.933425					1	1	54.18	High	0.1852	4.329395294	High	0.067	No
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	S268	0.9	0.92	VGGsSVDLHR	1	15	7	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 99.99	S(4): 100.0; S(5): 0.0	PQVRVGGsSVDLHRF	S4;	High	1335.661946	3.38	8.75	5.3	14	3	3	54.17	High	0.037	4.618600368	High	0.039	Yes
NP_000381.1	1121	9966761	CHM	rab proteins geranylgeranyltransferase component A 1 isoform a [Homo sapiens]	S651	1.31	2.63	ESTNLGNLEEsSE	1	1	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(98.9)]	S11(Phospho): 98.94	S(2): 0.0; T(3): 0.0; S(11): 98.9; S(12): 1.1	NLGNLEEsSE_	S11;	High	1717.736686					1	1	54.17	High	1	3.329047918	High	0.027	Yes
NP_001163887.1	9414	282165810	TJP2	tight junction protein ZO-2 isoform 3 [Homo sapiens]	S161	1.47	1.75	KVQVAALQAsPPLDQDDR	1	6	4	1	2ﾗTMT6plex [N-Term; K]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	S(10): 100.0	QVAALQAsPPLDQDD	S10;	High	2489.316524	34.24	35.15	81.5	106.5	2	2	54.16	High	1	4.211482525	High	0.7625	No
NP_002964.3	6311	171543895	ATXN2	ataxin-2 [Homo sapiens]	S667	0.46	2.28	TsPSGGTWSSVVSGVPR	1	1	9	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T/S]	S2(Phospho): 99.97	T(1): 0.0; S(2): 100.0; S(4): 0.0; T(7): 0.0; S(9): 0.0; S(10): 0.0; S(13): 0.0	TPPVARTsPSGGTWS	S2;	High	1969.958187	193.77	23.4	195.8	87.5	2	2	54.15	High	0.0185	4.007943153	High	0.0025	Yes
NP_001243000.2	57674	597709777	RNF213	E3 ubiquitin-protein ligase RNF213 isoform 3 [Homo sapiens]	S1258	1.59	0.88	EAAEPLSEPKEDQEAAELLsEPEEESER	1	1	3	1	2ﾗTMT6plex [N-Term; K10]; 1ﾗPhospho [S20(100)]	S20(Phospho): 100	S(7): 0.0; S(20): 100.0; S(26): 0.0	QEAAELLsEPEEESE	S20;	High	3679.715177					1	1	54.13	High	0.4815	4.84680748	High	0.1402	Yes
NP_065750.1	57459	21218438	GATAD2B	transcriptional repressor p66-beta [Homo sapiens]	S334	1.65	0.76	VSsPLPSPSAMTDAANSQAAAK	1	1	4	0	2ﾗTMT6plex [N-Term; K22]; 1ﾗOxidation [M11(100)]; 1ﾗPhospho [S3(97.5)]	S3(Phospho): 97.52; M11(Oxidation): 100	S(2): 2.5; S(3): 97.5; S(7): 0.0; S(9): 0.0; T(12): 0.0; S(17): 0.0	GTVNRVSsPLPSPSA	S3;	High	2655.310118					1	1	54.1	High	0.1111	4.378372192	High	0.0205	Yes
NP_077305.2	79180	20149675	EFHD2	EF-hand domain-containing protein D2 [Homo sapiens]	S74	0.85	0.73	ADLNQGIGEPQsPSR	1	1	5	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S12(99.1)]	S12(Phospho): 99.07	S(12): 99.1; S(14): 0.9	QGIGEPQsPSRRVFN	S12;	High	1877.895587	10.01	5.51	12.1	5.7	2	2	54.09	High	0.2222	5.671979904	High	0.0282	Yes
NP_056073.1	23307	150010552	FKBP15	FK506-binding protein 15 [Homo sapiens]	S344	1.44	0.96	sNSLSEQLAINTSPDAVK	1	1	7	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S1(99)]	S1(Phospho): 98.96	S(1): 99.0; S(3): 1.0; S(5): 0.0; T(12): 0.0; S(13): 0.0	EPALRTKsNSLSEQL	S1;	High	2412.242356	33.11	16.22	75.9	22.2	2	2	54.08	High	0.0556	3.812148571	High	0.0184	Yes
NP_005549.2	3898	20070205	LAD1	ladinin-1 [Homo sapiens]	S38	0.24	0.25	NLsSTTDDEAPR	1	1	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(4): 0.0; T(5): 0.0; T(6): 0.0	RRRHRNLsSTTDDEA	S3;	High	1614.720977	28.07	32.11	9.5	11.4	2	2	54.06	High	0.2593	3.616678715	High	0.0221	Yes
NP_003379.3	7461	116008447	CLIP2	CAP-Gly domain-containing linker protein 2 isoform 1 [Homo sapiens]	T177	1.2	1	QPTAEGSGSDAHSVESLTAQNLSLHSGTAtPPLTSR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T30(99.9)]	T30(Phospho): 99.92	T(3): 0.0; S(7): 0.0; S(9): 0.0; S(13): 0.0; S(16): 0.0; T(18): 0.0; S(23): 0.0; S(26): 0.0; T(28): 0.1; T(30): 99.9; T(34): 0.0; S(35): 0.0	SLHSGTAtPPLTSRV	T30;	High	3913.876648					1	1	54.01	High	0.037	10.43825912	High	0.0364	Yes
NP_000413.1	3872	4557701	KRT17	keratin, type I cytoskeletal 17 [Homo sapiens]	S24	0.47	0.3	GSSGLGGGsSR	1	1	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S9(Phospho): 100	S(2): 0.0; S(3): 0.0; S(9): 100.0; S(10): 0.0	SSGLGGGsSRTSCRL	S9;	High	1230.567711	15.36	32.51	12.6	17.1	3	3	54.01	High	0.2037	3.347895861	High	0.1104	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_005522.2	3428	112789562	IFI16	gamma-interferon-inducible protein 16 isoform 2 [Homo sapiens]	S153	0.9	0.25	VSEEQTQPPsPAGAGMSTAMGR	1	1	16	0	1ﾃTMT6plex [N-Term]; 2ﾃOxidation [M16(100); M20(100)]; 1ﾃDeamidated [Q7(99.9)]; 1ﾃPhospho [S10(100)]	Q7(Deamidated): 96.89; S10(Phospho): 100; M16(Oxidation): 100; M20(Oxidation): 100	S(2): 0.0; T(6): 0.0; S(10): 100.0; S(17): 0.0; T(18): 0.0	EEQTQPPsPAGAGMS	S10;	High	2531.099251	13.39	207.89	30.3	196.4	6	6	53.99	High	0.2407	6.120642185	High	0.0376	Yes
NP_003678.2	8572	19923181	PDLIM4	PDZ and LIM domain protein 4 isoform 1 [Homo sapiens]	S112	0.74	0.83	IHIDPEIQDGsPTTSR	1	2	8	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S11(98.1)]	S11(Phospho): 98.09	S(11): 98.1; T(13): 1.0; T(14): 0.0; S(15): 1.0	DPEIQDGsPTTSRRP	S11;	High	2075.00078	48.93	24.68	55	29.4	2	2	53.99	High	0.1481	6.095784664	High	0.0623	Yes
NP_001072989.1	3895	118498356	KTN1	kinectin isoform a [Homo sapiens]	S75	0.83	0.76	EIQNGNLHEsDSESVPR	1	4	19	0	1ﾃTMT6plex [N-Term]; 2ﾃDeamidated [Q3(100); N4(100)]; 1ﾃPhospho [S10(100)]	Q3(Deamidated): 99.99; N4(Deamidated): 98.93; S10(Phospho): 99.99	S(10): 100.0; S(12): 0.0; S(14): 0.0	QNGNLHEsDSESVPR	S10;	High	2221.981168	9.18	1.13	15.3	1.7	4	4	53.97	High	0.0926	5.83718586	High	0.0051	Yes
NP_004704.2	9147	32130516	NEMF	nuclear export mediator factor NEMF isoform 1 [Homo sapiens]	S417	0.59	0.91	NPYLLsEEEDDDVDGDVNVEK	1	2	2	0	2ﾃTMT6plex [N-Term; K21]; 1ﾃPhospho [S6(100)]	S6(Phospho): 100	Y(3): 0.0; S(6): 100.0	LRNPYLLsEEEDDDV	S6;	High	2932.338895					1	1	53.97	High	0.5926	3.971294165	High	0.2594	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S511	0.1	35.97	ISMQDVDLSLGsPK	1	1	3	0	2ﾃTMT6plex [N-Term; K14]; 1ﾃPhospho [S12(100)]	S12(Phospho): 100	S(2): 0.0; S(9): 0.0; S(12): 100.0	DVDLSLGsPKLKGDI	S12;	High	2028.048865					1	1	53.95	High	0.2407	5.493155956	High	0.2259	Yes
NP_006308.3	10409	30795231	BASP1	brain acid soluble protein 1 [Homo sapiens]	T36	0.64	1	AEGAATEEEGtPK	1	1	3	0	2ﾃTMT6plex [N-Term; K13]; 1ﾃPhospho [T11(100)]	T11(Phospho): 100	T(6): 0.0; T(11): 100.0	AATEEEGtPKESEPQ	T11;	High	1827.877761					1	1	53.95	High	0.6296	4.216771126	High	0.4929	Yes
NP_003477.4	8140	71979932	SLC7A5	large neutral amino acids transporter small subunit 1 [Homo sapiens]	S35	1.24	1.49	SADGsAPAGEGEGVTLQR	1	1	2	0	1ﾃTMT6plex [N-Term]; 1ﾃDeamidated [Q17(100)]; 1ﾃPhospho [S5(100)]	S5(Phospho): 100; Q17(Deamidated): 100	S(1): 0.0; S(5): 100.0; T(15): 0.0	AAKSADGsAPAGEGE	S5;	High	2011.91711					1	1	53.93	High	0.537	3.46355629	High	0.289	Yes
NP_001074324.1	5829	170932514	PXN	paxillin isoform 2 [Homo sapiens]	S137	0.65		SAEPSPTVMSTsLGSNLSELDR	1	3	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S12(99.9)]	S12(Phospho): 99.91	S(1): 0.0; S(5): 0.0; T(7): 0.0; S(10): 0.0; T(11): 0.0; S(12): 99.9; S(15): 0.0; S(18): 0.0	SPTVMSTsLGSNLSE	S12;	High	2587.215994					1		53.91	High	0.0741	4.035486698	High	0.0817	Yes
NP_002009.1	2314	4503743	FLII	protein flightless-1 homolog isoform 1 [Homo sapiens]	S856	0.62	1.09	NAEAVLQsPGLSGK	1	3	3	0	2ﾃTMT6plex [N-Term; K14]; 1ﾃPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; S(12): 0.0	NAEAVLQsPGLSGKV	S8;	High	1909.019614					1	1	53.89	High	0.6296	4.195011616	High	0.3095	Yes
NP_001931.2	1822	55750041	ATN1	atrophin-1 [Homo sapiens]	S77	1.97	0.99	SEEIsESESEETNAPK	1	1	2	0	2ﾃTMT6plex [N-Term; K16]; 1ﾃPhospho [S5(100)]	S5(Phospho): 99.99	S(1): 0.0; S(5): 100.0; S(7): 0.0; S(9): 0.0; T(12): 0.0	QGRSEEIsESESEET	S5;	High	2304.053218					1	1	53.88	High	0.2593	4.672224522	High	0.0835	Yes
NP_055601.2	9828	21361458	ARHGEF17	rho guanine nucleotide exchange factor 17 [Homo sapiens]	S619	0.35	1.27	MGAQQDDGSDAPPGsPDWAGDVTR	1	1	4	0	1ﾃTMT6plex [N-Term]; 1ﾃOxidation [M1(100)]; 1ﾃPhospho [S15(100)]	M1(Oxidation): 100; S15(Phospho): 100	S(9): 0.0; S(15): 100.0; T(23): 0.0	GSDAPPGsPDWAGDV	S15;	High	2755.150434	339.18	13.1	382.6	23.8	2	2	53.88	High	0.3889	4.452159405	High	0.3124	Yes
NP_001137463.1	55135	221136862	WRAP53	telomerase Cajal body protein 1 [Homo sapiens]	S90	1.03	1.23	EGDPVSLSTPLETEFGSPSELsPR	1	1	3	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S22(100)]	S22(Phospho): 100	S(6): 0.0; S(8): 0.0; T(9): 0.0; T(13): 0.0; S(17): 0.0; S(19): 0.0; S(22): 100.0	FGSPSELsPRIEEQE	S22;	High	2840.344031					1	1	53.86	High	0.1667	4.815596104	High	0.0954	Yes
NP_001243804.1	55143	379056369	CDCA8	borealin [Homo sapiens]	S219	1.05	2.14	IYNISGNGsPLADSK	1	1	3	0	2ﾃTMT6plex [N-Term; K15]; 1ﾃPhospho [S9(100)]	S9(Phospho): 100	Y(2): 0.0; S(5): 0.0; S(9): 100.0; S(14): 0.0	YNISGNGsPLADSKE	S9;	High	2074.062207					1	1	53.86	High	0.1667	3.935477734	High	0.2234	Yes
NP_005960.1	4676	5174613	NAP1L4	nucleosome assembly protein 1-like 4 [Homo sapiens]	S125	1.27	2.02	EFITGDVEPTDAESEWHsENEEEEK	1	1	2	0	2ﾃTMT6plex [N-Term; K25]; 1ﾃPhospho [S18(100)]	S18(Phospho): 100	T(4): 0.0; T(10): 0.0; S(14): 0.0; S(18): 100.0	DAESEWHsENEEEEK	S18;	High	3474.515021					1	1	53.85	High	0.3704	4.427970886	High	0.1535	Yes
NP_998725.1	5585	47132591	PKN1	serine/threonine-protein kinase N1 isoform 1 [Homo sapiens]	S568	0.94	1.18	LNLGTDSDSsPQK	1	2	2	0	2ﾃTMT6plex [N-Term; K13]; 1ﾃPhospho [S10(100)]	S10(Phospho): 100	T(5): 0.0; S(7): 0.0; S(9): 0.0; S(10): 100.0	LGTDSDSsPQKSSRD	S10;	High	1899.946509					1	1	53.84	High	0.2593	3.953715324	High	0.1139	No
NP_055706.1	11333	7657441	PDAP1	28 kDa heat- and acid-stable phosphoprotein [Homo sapiens]	S63	1.48	1.38	SLDSDEsEDEEDDYQQK	1	1	2	0	2ﾃTMT6plex [N-Term; K17]; 1ﾃPhospho [S7(100)]	S7(Phospho): 99.98	S(1): 0.0; S(4): 0.0; S(7): 100.0; Y(14): 0.0	KSLDSDEsEDEEDDY	S7;	High	2570.070718					1	1	53.83	High	0.1852	3.078064442	High	0.1818	Yes
NP_031372.2	11054	33286446	OGFR	opioid growth factor receptor [Homo sapiens]	S315	3.38	2.44	KVEEEGsPGDPDHEASTQGR	1	1	3	1	2ﾃTMT6plex [N-Term; K]; 1ﾃPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; S(16): 0.0; T(17): 0.0	RKVEEEGsPGDPDHE	S7;	High	2663.235039	8.96		44.8		2	1	53.8	High	0.8519	5.903472424	High	0.5051	Yes
NP_006308.3	10409	30795231	BASP1	brain acid soluble protein 1 [Homo sapiens]	T196	1.14	0.37	ETPAATEAPSStPK	1	1	8	0	2ﾃTMT6plex [N-Term; K14]; 1ﾃPhospho [T12(100)]	T12(Phospho): 99.97	T(2): 0.0; T(6): 0.0; S(10): 0.0; S(11): 0.0; T(12): 100.0	ATEAPSStPKAQGPA	T12;	High	1924.96691	35.14	25.37	61.3	13.2	2	2	53.78	High	0.2222	3.794312954	High	0.1187	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S2272	0.42	3.57	TPAAAAAMNLAsPR	1	1	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S12(100)]	S12(Phospho): 100	T(1): 0.0; S(12): 100.0	AAAMNLAsPRTAVAP	S12;	High	1650.823608					1	1	53.75	High	0.9815	5.008036613	High	0.7365	Yes
NP_114124.1	83855	13994287	KLF16	Krueppel-like factor 16 [Homo sapiens]	S99	1.44	0.4	GGPGAAPGGAsPASSSSAASSPSSGR	1	1	5	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S21(94)]	S11(Phospho): 100	S(11): 100.0; S(14): 0.0; S(15): 0.0; S(16): 0.0; S(17): 0.0; S(20): 0.0; S(21): 0.0; S(23): 0.0; S(24): 0.0	GAAPGGAsPASSSSA	S11;	High	2424.09899	58.46	133.74	176.9	88.4	2	2	53.7	High	0.4259	4.073068619	High	0.1548	Yes
NP_056289.2	25939	38016914	SAMHD1	deoxynucleoside triphosphate triphosphohydrolase SAMHD1 [Homo sapiens]	S33	1.29	1.59	TPSNTPSAEADWsPGLELHPDYK	1	1	4	0	2ﾃTMT6plex [N-Term; K23]; 1ﾃPhospho [S13(100)]	S13(Phospho): 100	T(1): 0.0; S(3): 0.0; T(5): 0.0; S(7): 0.0; S(13): 100.0; Y(22): 0.0	PSAEADWsPGLELHP	S13;	High	3050.454868	18.87	4.97	35.4	11.2	2	2	53.69	High	0.5185	7.161870003	High	0.2109	Yes
NP_705694.2	3860	131412225	KRT13	keratin, type I cytoskeletal 13 isoform a [Homo sapiens]	S427	0.5	3.93	MIGFPSSAGSVsPR	1	1	4	0	1ﾃTMT6plex [N-Term]; 1ﾃOxidation [M1(100)]; 1ﾃPhospho [S12(100)]	M1(Oxidation): 100; S12(Phospho): 99.96	S(6): 0.0; S(7): 0.0; S(10): 0.0; S(12): 100.0	PSSAGSVsPRSTSVT	S12;	High	1717.818189	97.59	3.9	78.5	21.9	2	2	53.68	High	0.2963	4.291650772	High	0.1235	Yes
NP_001138230.1	23187	221219024	PHLDB1	pleckstrin homology-like domain family B member 1 isoform a [Homo sapiens]	S1017	1.39	0.53	SALLTQNGTGsLPR	1	2	10	0	1ﾃTMT6plex [N-Term]; 1ﾃDeamidated [Q/N]; 1ﾃPhospho [T/S]	N7(Deamidated): 100; S11(Phospho): 99.98	S(1): 0.0; T(5): 0.0; T(9): 0.0; S(11): 100.0	LTQNGTGsLPRNLAA	S11;	High	1724.878146	10.58	170.23	20.9	202.4	2	2	53.67	High	0.2037	3.690311193	High	0.0108	Yes
NP_004575.1	5883	4759022	RAD9A	cell cycle checkpoint control protein RAD9A isoform 1 [Homo sapiens]	S387	0.08	3.1	SPQGPSPVLAEDsEGEG	1	2	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S13(100)]	S13(Phospho): 100	S(1): 0.0; S(6): 0.0; S(13): 100.0	SPVLAEDsEGEG_	S13;	High	1964.868763					1	1	53.6	High	1	2.954200506	High	0.5898	Yes
NP_001518.3	3066	293336691	HDAC2	histone deacetylase 2 [Homo sapiens]	S422; S424	0.9	1.66	IACDEEFsDsEDEGEGGRR	1	1	5	1	1ﾃTMT6plex [N-Term]; 1ﾃCarbamidomethyl [C3]; 2ﾃPhospho [S8(100); S10(100)]	S8(Phospho): 100; S10(Phospho): 100	S(8): 100.0; S(10): 100.0	IACDEEFsDSEDEGE;CDEEFSDsEDEGEGG	S8; S10;	High	2546.958139	3.3	2.66	5.1	7.7	3	3	53.54	High	1	4.527936935	High	0.7461	Yes;Yes
NP_008835.5	5591	13654237	PRKDC	DNA-dependent protein kinase catalytic subunit isoform 1 [Homo sapiens]	S2612	0.07		STVLTPMFVETQAsQGTLQTR	1	2	2	0	1ﾃTMT6plex [N-Term]; 1ﾃOxidation [M7(100)]; 1ﾃPhospho [S14(99.9)]	M7(Oxidation): 100; S14(Phospho): 99.9	S(1): 0.0; T(2): 0.0; T(5): 0.0; T(11): 0.0; S(14): 99.9; T(17): 0.1; T(20): 0.0	MFVETQAsQGTLQTR	S14;	High	2620.2891					1		53.54	High	0.3519	3.235193014	High	0.0802	Yes
NP_006833.2	10992	55749531	SF3B2	splicing factor 3B subunit 2 [Homo sapiens]	S309	1.06	1.85	SSLGQSAsETEEDTVSVSK	1	1	2	0	2ﾃTMT6plex [N-Term; K19]; 1ﾃPhospho [S8(98.9)]	S8(Phospho): 98.87	S(1): 0.0; S(2): 0.0; S(6): 1.1; S(8): 98.9; T(10): 0.0; T(14): 0.0; S(16): 0.0; S(18): 0.0	SSLGQSAsETEEDTV	S8;	High	2479.185295					1	1	53.53	High	0.2222	4.51879406	High	0.0863	Yes
NP_056311.2	25962	33946282	KIAA1429	protein virilizer homolog isoform 1 [Homo sapiens]	S1579	0.76	1.46	SFLSEPSsPGR	1	1	4	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S8(100)]	S8(Phospho): 99.99	S(1): 0.0; S(4): 0.0; S(7): 0.0; S(8): 100.0	SFLSEPSsPGRTKTT	S8;	High	1472.698391	6.78	2.45	7.3	5.1	2	2	53.49	High	0.2642	3.601902485	High	0.0833	Yes
NP_006035.2	10013	13128864	HDAC6	histone deacetylase 6 [Homo sapiens]	S22	0.79	1.02	QNPQsPPQDSSVTSK	1	1	2	0	2ﾃTMT6plex [N-Term; K15]; 1ﾃPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(10): 0.0; S(11): 0.0; T(13): 0.0; S(14): 0.0	RSRQNPQsPPQDSSV	S5;	High	2138.053099					1	1	53.48	High	0.717	3.895154715	High	0.4359	Yes
NP_001171904.1	29763	296923763	PACSIN3	protein kinase C and casein kinase substrate in neurons protein 3 [Homo sapiens]	S354	1.02	1.17	DGTAPPPQSPGSPGTGQDEEWsDEESPRK	1	1	3	1	2ﾃTMT6plex [N-Term; K29]; 1ﾃPhospho [S22(100)]	S22(Phospho): 100	T(3): 0.0; S(9): 0.0; S(12): 0.0; T(15): 0.0; S(22): 100.0; S(26): 0.0	TGQDEEWsDEESPRK	S22;	High	3576.6168					1	1	53.46	High	0.1132	6.361142635	High	0.1258	Yes
NP_060378.1	55663	8923582	ZNF446	zinc finger protein 446 isoform 1 [Homo sapiens]	S137	1.1	1.32	TEEPLGsPHPSGTVESPGEGPQDTR	1	2	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S7(100)]	S7(Phospho): 100	T(1): 0.0; S(7): 100.0; S(11): 0.0; T(13): 0.0; S(16): 0.0; T(24): 0.0	KTEEPLGsPHPSGTV	S7;	High	2870.304291					1	1	53.44	High	0.4717	5.292591095	High	0.1966	Yes
NP_060644.4	55201	50428935	MAP1S	microtubule-associated protein 1S isoform 1 [Homo sapiens]	S759	1.28	1.18	AVPMAPAPAsPGSSNDSSAR	1	2	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S10(100)]	S10(Phospho): 100	S(10): 100.0; S(13): 0.0; S(14): 0.0; S(17): 0.0; S(18): 0.0	PMAPAPAsPGSSNDS	S10;	High	2179.005213					1	1	53.44	High	0.434	4.246522903	High	0.1647	Yes
NP_031393.2	22913	21396480	RALY	RNA-binding protein Raly isoform 2 [Homo sapiens]	S272; S279	1.75	1.48	TRDDGDEEGLLTHsEEELEHsQDTDADDGALQ	1	2	5	1	1ﾃTMT6plex [N-Term]; 2ﾃPhospho [S14(96.7); S21(96.8)]	S14(Phospho): 96.66; S21(Phospho): 96.76	T(1): 0.0; T(12): 3.2; S(14): 96.7; S(21): 96.8; T(24): 3.3	EEGLLTHsEEELEHS;SEEELEHsQDTDADD	S14; S21;	High	3916.57565		18.41		39.9	1	2	53.43	High	0.4151	8.19244957	High	0.011	No;No
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	T326	0.72	1.47	GGDSIGEtPTPGASK	1	1	2	0	2ﾃTMT6plex [N-Term; K15]; 1ﾃPhospho [T8(100)]	T8(Phospho): 99.98	S(4): 0.0; T(8): 100.0; T(10): 0.0; S(14): 0.0	GGDSIGEtPTPGASK	T8;	High	1911.946509					1	1	53.41	High	0.3396	3.334034204	High	0.1201	Yes
NP_001186326.1	4750	313661426	NEK1	serine/threonine-protein kinase Nek1 isoform 1 [Homo sapiens]	S1154	0.86	0.82	EQPGEEYsEEEESVLK	1	5	2	0	2ﾃTMT6plex [N-Term; K16]; 1ﾃPhospho [S8(100)]	S8(Phospho): 100	Y(7): 0.0; S(8): 100.0; S(13): 0.0	EQPGEEYsEEEESVL	S8;	High	2420.115818					1	1	53.39	High	0.5283	4.193384171	High	0.0788	No
NP_056018.2	23248	183396804	RPRD2	regulation of nuclear pre-mRNA domain-containing protein 2 isoform 1 [Homo sapiens]	S614	1.11	1.58	ASIGQsPGLPSTTFK	1	3	2	0	2ﾃTMT6plex [N-Term; K15]; 1ﾃPhospho [S6(100)]	S6(Phospho): 100	S(2): 0.0; S(6): 100.0; S(11): 0.0; T(12): 0.0; T(13): 0.0	SKASIGQsPGLPSTT	S6;	High	2029.077129					1	1	53.37	High	0.1698	3.415238619	High	0.2018	Yes
NP_001290032.1	7088	733605268	TLE1	transducin-like enhancer protein 1 isoform 1 [Homo sapiens]	S296	0.95	0.95	DASSsPASTASSASSTSLK	1	3	7	0	2ﾃTMT6plex [N-Term; K19]; 1ﾃPhospho [S5(98.4)]	S5(Phospho): 98.45	S(3): 0.0; S(4): 1.5; S(5): 98.5; S(8): 0.0; T(9): 0.0; S(11): 0.0; S(12): 0.0; S(14): 0.0; S(15): 0.0; T(16): 0.0; S(17): 0.0	LKKDASSsPASTASS	S5;	High	2280.100837	8.9	2.3	12	3.1	2	2	53.32	High	0.2264	4.825252056	High	0.0186	No
NP_001159582.1	23022	260656034	PALLD	palladin isoform 4 [Homo sapiens]	S182	0.34	0.68	IAsDEEIQGTK	1	4	8	0	2ﾃTMT6plex [N-Term; K11]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(10): 0.0	SRTARIAsDEEIQGT	S3;	High	1728.882118	29.68	4	20.4	5.4	4	4	53.31	High	0.7925	4.447275639	High	0.5213	No
NP_054908.2	118	29826321	ADD1	alpha-adducin isoform b [Homo sapiens]	S465	1.01	1.41	GDEASEEGQNGSsPK	1	5	4	0	2ﾃTMT6plex [N-Term; K15]; 1ﾃPhospho [S13(100)]	S13(Phospho): 100	S(5): 0.0; S(12): 0.0; S(13): 100.0	EEGQNGSsPKSKTKV	S13;	High	2029.91158					1	1	53.3	High	0.0755	4.52370739	High	0.1018	No
NP_001127853.1	9779	197304777	TBC1D5	TBC1 domain family member 5 isoform a [Homo sapiens]	S576	0.59	0.63	EFTGsPPSSATK	1	2	8	0	2ﾃTMT6plex [N-Term; K12]; 1ﾃPhospho [S5(100)]	S5(Phospho): 100	T(3): 0.0; S(5): 100.0; S(8): 0.0; S(9): 0.0; T(11): 0.0	GGREFTGsPPSSATK	S5;	High	1746.871553	9.74	3.71	11.6	4.7	4	4	53.3	High	0.283	3.262933254	High	0.1288	No
NP_001247435.1	6188	386869503	RPS3	40S ribosomal protein S3 isoform 2 [Homo sapiens]	T237	0.82	1.42	DEILPTtPISEQK	1	3	15	0	2ﾃTMT6plex [N-Term; K13]; 1ﾃPhospho [T7(100)]	T7(Phospho): 100	T(6): 0.0; T(7): 100.0; S(10): 0.0	KDEILPTtPISEQKG	T7;	High	2009.06081	2.17	2	4.4	7.5	6	7	53.24	High	0.2642	4.818687916	High	0.0373	No
NP_001613.2	197	156523970	AHSG	alpha-2-HS-glycoprotein preproprotein [Homo sapiens]	S138	5.47	15.84	CDSSPDsAEDVR	1	1	5	0	1ﾃTMT6plex [N-Term]; 1ﾃCarbamidomethyl [C1]; 1ﾃPhospho [S7(100)]	S7(Phospho): 100	S(3): 0.0; S(4): 0.0; S(7): 100.0	KCDSSPDsAEDVRKV	S7;	High	1646.656662	18.89	12.2	273.3	4173.3	2	2	53.22	High	0.3019	4.349373341	High	0.2184	Yes
NP_001005751.1	387680	54124343	FAM21A	WASH complex subunit FAM21A isoform 1 [Homo sapiens]	S539	1.46	2.17	GLFsDEEDSEDLFSSQSASK	1	2	4	0	2ﾃTMT6plex [N-Term; K20]; 1ﾃDeamidated [Q16(100)]; 1ﾃPhospho [S4(100)]	S4(Phospho): 100; Q16(Deamidated): 100	S(4): 100.0; S(9): 0.0; S(14): 0.0; S(15): 0.0; S(17): 0.0; S(19): 0.0	KTQKGLFsDEEDSED	S4;	High	2717.211904					1	1	53.22	High	0.0755	3.718472481	High	0.3468	Yes
NP_057030.3	53918	31880783	PELO	protein pelota homolog [Homo sapiens]	S55	1.6	1.52	KVQTESSTGsVGSNR	1	1	3	1	2ﾃTMT6plex [N-Term; K]; 1ﾃPhospho [S10(98.7)]	S10(Phospho): 98.68	T(4): 0.0; S(6): 0.0; S(7): 0.0; T(8): 1.3; S(10): 98.7; S(13): 0.0	QTESSTGsVGSNRVR	S10;	High	2075.053433					1	1	53.2	High	0.2264	3.147931099	High	0.0095	Yes
NP_057085.2	51096	118344456	UTP18	U3 small nucleolar RNA-associated protein 18 homolog [Homo sapiens]	S210	0.27	1.01	KTSSDDEsEEDEDDLLQR	1	1	5	1	2ﾃTMT6plex [N-Term; K]; 2ﾃPhospho [S8(100); S/T]	S3(Phospho): 49.7; S4(Phospho): 49.7; S8(Phospho): 100	T(2): 0.6; S(3): 49.7; S(4): 49.7; S(8): 100.0	KTSSDDEsEEDEDDL	S8;	High	2729.147997	85.29	8.39	33.8	12	2	2	53.18	High	0.0189	4.525712013	High	0.0221	Yes
NP_006006.3	8289	21264565	ARID1A	AT-rich interactive domain-containing protein 1A isoform a [Homo sapiens]	S363	0.17		SHHAPMsPGSSGGGGQPLAR	1	2	2	0	1ﾃTMT6plex [N-Term]; 1ﾃOxidation [M6(100)]; 1ﾃPhospho [S7(100)]	M6(Oxidation): 100; S7(Phospho): 100	S(1): 0.0; S(7): 100.0; S(10): 0.0; S(11): 0.0	RSHHAPMsPGSSGGG	S7;	High	2213.012031					1		53.18	High	0.4906	3.758309126	High	0.1995	Yes
NP_001885.1	1454	4503093	CSNK1E	casein kinase I isoform epsilon [Homo sapiens]	S390	1.2	1.5	GAPANVSsSDLTGR	1	1	4	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S8(99.2)]	S8(Phospho): 99.18	S(7): 0.8; S(8): 99.2; S(9): 0.0; T(12): 0.0	GAPANVSsSDLTGRQ	S8;	High	1640.784246					1	1	53.17	High	0.0189	3.026392698	High	0.0033	Yes
NP_001002909.1	23131	50962882	GPATCH8	G patch domain-containing protein 8 isoform 1 [Homo sapiens]	S758	0.61	0.83	sLPAEEGSSGK	1	3	2	0	2ﾃTMT6plex [N-Term; K11]; 1ﾃPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(8): 0.0; S(9): 0.0	QDDSQRRsLPAEEGS	S1;	High	1599.803139					1	1	53.15	High	0.9245	2.605567217	High	0.4406	Yes
NP_001737.1	821	10716563	CANX	calnexin precursor [Homo sapiens]	S583	0.99	1.21	AEEDEILNRsPR	1	1	19	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S10(100)]	S10(Phospho): 100	S(10): 100.0	EDEILNRsPRNRKPR	S10;	High	1737.837009	2.21	9.81	7	39	10	10	53.14	High	1	4.483505249	High	0.5692	Yes
NP_003133.1	6741	10835067	SSB	lupus La protein [Homo sapiens]	S366	0.28	0.14	FAsDDEHDEHDENGATGPVK	1	1	4	0	2ﾃTMT6plex [N-Term; K20]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(16): 0.0	GKKTKFAsDDEHDEH	S3;	High	2708.187754	7.04	54.59	2.8	10.9	2	2	53.09	High	0.9057	4.997409344	High	0.46	Yes
NP_065789.1	57498	55741641	KIDINS220	kinase D-interacting substrate of 220 kDa [Homo sapiens]	S1681	1.52	1.05	TPsTVTLNNNSAPANR	1	1	4	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S3(97.3)]	S3(Phospho): 97.29	T(1): 1.4; S(3): 97.3; T(4): 1.4; T(6): 0.0; S(11): 0.0	YNLNRTPsTVTLNNN	S3;	High	1965.95925					1	1	53.09	High	0.1132	4.582634449	High	0.0218	Yes
NP_056450.2	26130	51093832	GAPVD1	GTPase-activating protein and VPS9 domain-containing protein 1 isoform 4 [Homo sapiens]	S466	1.49	0.66	SSSLEMTPYNTPQLsPATTPANK	1	4	2	0	2ﾃTMT6plex [N-Term; K23]; 1ﾃOxidation [M6(100)]; 1ﾃPhospho [S15(100)]	M6(Oxidation): 100; S15(Phospho): 100	S(1): 0.0; S(2): 0.0; S(3): 0.0; T(7): 0.0; Y(9): 0.0; T(11): 0.0; S(15): 100.0; T(18): 0.0; T(19): 0.0	PYNTPQLsPATTPAN	S15;	High	2989.46299					1	1	53.08	High	0.3396	3.748066425	High	0.192	Yes
NP_065176.3	89796	267844811	NAV1	neuron navigator 1 isoform 1 [Homo sapiens]	S1253	0.88	0.25	SASSYSDIEEIATPDSSAPSsPK	1	2	3	0	2ﾃTMT6plex [N-Term; K23]; 1ﾃPhospho [S21(98.9)]	S21(Phospho): 98.92	S(1): 0.0; S(3): 0.0; S(4): 0.0; Y(5): 0.0; S(6): 0.0; T(13): 0.0; S(16): 0.0; S(17): 0.0; S(20): 1.1; S(21): 98.9	PDSSAPSsPKLQHGS	S21;	High	2864.349065					1	1	53.04	High	0.0755	3.990192175	High	0.0351	Yes
NP_001093869.1	23244	155030216	PDS5A	sister chromatid cohesion protein PDS5 homolog A isoform 1 [Homo sapiens]	S1305	1	0.92	AAVGQEsPGGLEAGNAK	1	1	2	0	2ﾃTMT6plex [N-Term; K17]; 1ﾃDeamidated [N15(100)]; 1ﾃPhospho [S7(100)]	S7(Phospho): 100; N15(Deamidated): 100	S(7): 100.0	RAAVGQEsPGGLEAG	S7;	High	2095.047286					1	1	53.01	High	0.566	4.15113163	High	0.5518	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_001288784.1	29115	686661120	SAP30BP	SAP30-binding protein isoform 1 [Homo sapiens]	S43	0.79	1.47	GGLVsDAYGEDDFSR	1	3	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; Y(8): 0.0; S(14): 0.0	EEKGGLVsDAYGEDD	S5;	High	1896.821419					1	1	52.96	High	0.7736	2.978613615	High	0.2215	Yes
NP_056073.1	23307	150010552	FKBP15	FK506-binding protein 15 [Homo sapiens]	S1195	1.62	0.65	AQPEEEDEDEVsMK	1	1	2	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗOxidation [M13(100)]; 1ﾗPhospho [S12(100)]	S12(Phospho): 100; M13(Oxidation): 100	S(12): 100.0	EEDEDEVsMKGRPPP	S12;	High	2189.956147					1	1	52.95	High	1	3.026003838	High	0.5941	Yes
NP_001171669.1	2017	296080746	CTTN	src substrate cortactin isoform c [Homo sapiens]	T364	0.6	1.18	AKTQtPPVSPAPQPTEER	1	3	3	1	2ﾗTMT6plex [N-Term; K2]; 1ﾗDeamidated [Q13(100)]; 1ﾗPhospho [T5(98.8)]	T5(Phospho): 98.75; Q13(Deamidated): 100	T(3): 1.3; T(5): 98.8; S(9): 0.0; T(15): 0.0	QARAKTQtPPVSPAP	T5;	High	2473.273991					1	1	52.93	High	0.9245	3.854998589	High	0.0623	Yes
NP_001012.1	6218	4506693	RPS17	40S ribosomal protein S17 [Homo sapiens]	S113	0.14	21.47	LLDFGsLSNLQVTQPTVGMNFK	1	1	2	0	2ﾗTMT6plex [N-Term; K22]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(8): 0.0; T(13): 0.0; T(16): 0.0	LKLLDFGsLSNLQVT	S6;	High	2947.540452					1	1	52.91	High	0.3208	3.517762184	High	0.0625	Yes
NP_004629.3	7916	314122241	PRRC2A	protein PRRC2A [Homo sapiens]	S1219	1.21	1.08	LIPGPLsPVAR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	KLIPGPLsPVARGGS	S7;	High	1428.817718					1	1	52.89	High	0.8491	2.791433096	High	0.4588	No
NP_001074295.2	157285	595582408	SGK223	tyrosine-protein kinase SgK223 [Homo sapiens]	S510	0.82	1.14	GPVSQNsEVGEEETSAGQGLSSR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(4): 0.0; S(7): 100.0; T(14): 0.0; S(15): 0.0; S(21): 0.0; S(22): 0.0	RGPVSQNsEVGEEET	S7;	High	2614.183114					1	1	52.88	High	0.1132	5.106806278	High	0.1429	Yes
NP_056285.1	26056	24308075	RAB11FIP5	rab11 family-interacting protein 5 [Homo sapiens]	S176	3.01	0.41	NNLSAsMFDLSMK	1	1	4	0	2ﾗTMT6plex [N-Term; K13]; 2ﾗOxidation [M7(100); M12(100)]; 1ﾗPhospho [S6(98.6)]	S6(Phospho): 98.6; M7(Oxidation): 100; M12(Oxidation): 100	S(4): 1.4; S(6): 98.6; S(11): 0.0	TRNNLSAsMFDLSMK	S6;	High	2027.958337	4.21	42.77	18.1	25.1	2	2	52.88	High	0.3585	4.652408123	High	0.0925	Yes
NP_037450.2	84726	149192855	PRRC2B	protein PRRC2B [Homo sapiens]	T221	1.62	1.9	HIISAtSLSTSPTELGSR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T6(94.7)]	T6(Phospho): 94.74	S(4): 1.3; T(6): 94.7; S(7): 1.3; S(9): 1.3; T(10): 0.0; S(11): 1.3; T(13): 0.0; S(17): 0.0	GRHIISAtSLSTSPT	T6;	High	2166.100494					1	1	52.86	High	0.1509	4.632031441	High	0.0713	No
NP_055888.1	23094	71143119	SIPA1L3	signal-induced proliferation-associated 1-like protein 3 [Homo sapiens]	S1364	2.26	1.5	REVsPAPAVAGQSK	1	1	2	1	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(13): 0.0	ADRRREVsPAPAVAG	S4;	High	1935.046498					1	1	52.83	High	1	7.030388832	High	0.5917	Yes
NP_997263.2	388115	155029552	C15orf52	uncharacterized protein C15orf52 [Homo sapiens]	S201	1.23	0.96	VTRsPPTQVAISSDSAR	1	1	7	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 99.99	T(2): 0.0; S(4): 100.0; T(7): 0.0; S(12): 0.0; S(13): 0.0; S(15): 0.0	PGGRVTRsPPTQVAI	S4;	High	2081.058964	7.33	8.92	15.7	14.8	3	3	52.81	High	0.1698	7.456030369	High	0.0496	Yes
NP_705902.2	80025	85838513	PANK2	pantothenate kinase 2, mitochondrial isoform 1 preproprotein [Homo sapiens]	S168	0.69	1.04	RAsSASVPAVGASAEGTR	1	1	5	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.98	S(3): 100.0; S(4): 0.0; S(6): 0.0; S(13): 0.0; T(17): 0.0	EPLRRRAsSASVPAV	S3;	High	1982.985799	33.63	30.66	33.9	47.3	2	2	52.81	High	0.0377	6.359766006	High	0.0613	Yes
NP_550433.1	7374	19718751	UNG	uracil-DNA glycosylase isoform UNG2 [Homo sapiens]	T60	2.24	0.98	APAGQEEPGtPPSSPLSAEQLDR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T10(100)]	T10(Phospho): 100	T(10): 100.0; S(13): 0.0; S(14): 0.0; S(17): 0.0	AGQEEPGtPPSSPLS	T10;	High	2643.250071					1	1	52.77	High	0.4717	4.250301361	High	0.32	Yes
NP_001127910.1	90102	197313730	PHLDB2	pleckstrin homology-like domain family B member 2 isoform a [Homo sapiens]	S387	0.88	0.88	NFSCGsVEFDEADLESLR	1	3	4	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C4]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(3): 0.0; S(6): 100.0; S(16): 0.0	RRNFSCGsVEFDEAD	S6;	High	2384.031488	18.09	19.71	22.8	25	2	2	52.72	High	0.3962	4.475789547	High	0.1228	Yes
NP_055263.2	27237	163792208	ARHGEF16	rho guanine nucleotide exchange factor 16 [Homo sapiens]	S577	0.39	0.7	SsSVPHPFQVTLLR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S2(99.2)]	S2(Phospho): 99.18	S(1): 0.8; S(2): 99.2; S(3): 0.0; T(11): 0.0	PGGGNRSsSVPHPFQ	S2;	High	1876.988365					1	1	52.72	High	0.0377	3.986386776	High	0.0476	Yes
NP_006268.2	50618	194294521	ITSN2	intersectin-2 isoform 1 [Homo sapiens]	S889	0.73	1.03	TVSPGSVsPIHGQGQVVENLK	1	3	8	0	2ﾗTMT6plex [N-Term; K21]; 1ﾗPhospho [S8(100)]	S8(Phospho): 99.98	T(1): 0.0; S(3): 0.0; S(6): 0.0; S(8): 100.0	TVSPGSVsPIHGQGQ	S8;	High	2671.422052	1.08	3.4	1.1	5	2	2	52.7	High	0.0377	7.382722855	High	0.0407	Yes
NP_003742.2	8662	33239445	EIF3B	eukaryotic translation initiation factor 3 subunit B [Homo sapiens]	S119	1.07	1.12	SDsRAQAVSEDAGGNEGR	1	1	2	1	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q6(100)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99; Q6(Deamidated): 100	S(1): 0.0; S(3): 100.0; S(9): 0.0	ARDERSDsRAQAVSE	S3;	High	2115.91415					1	1	52.68	High	0.0755	4.813239574	High	0.079	Yes
NP_680780.1	11273	27262649	ATXN2L	ataxin-2-like protein isoform C [Homo sapiens]	S594	0.76	2.4	EVDGLLTSEPMGsPVSSK	1	7	4	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗOxidation [M11(100)]; 1ﾗPhospho [S13(100)]	M11(Oxidation): 100; S13(Phospho): 99.95	T(7): 0.0; S(8): 0.0; S(13): 100.0; S(16): 0.1; S(17): 0.0	LTSEPMGsPVSSKTE	S13;	High	2387.18173	49.05	30.55	56.4	139.1	2	2	52.65	High	0.3019	5.905531883	High	0.1337	Yes
NP_057671.2	11335	20544151	CBX3	chromobox protein homolog 3 [Homo sapiens]	S93	1.16	1.54	sLSDSESDDSK	1	1	8	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(3): 0.0; S(5): 0.0; S(7): 0.0; S(10): 0.0	KDGTKRKsLSDSESD	S1;	High	1707.772627	12.3	7.52	20.3	16.5	2	2	52.65	High	0.4717	3.77712512	High	0.1746	Yes
NP_005993.1	7347	5174741	UCHL3	ubiquitin carboxyl-terminal hydrolase isozyme L3 isoform 2 [Homo sapiens]	S130	0.89	0.35	FLEESVSMsPEER	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M8(100)]; 1ﾗPhospho [S9(100)]	M8(Oxidation): 100; S9(Phospho): 100	S(5): 0.0; S(7): 0.0; S(9): 100.0	LEESVSMsPEERARY	S9;	High	1864.823727					1	1	52.65	High	0.2453	3.655003071	High	0.1393	Yes
NP_006741.1	6645	5803177	SNTB2	beta-2-syntrophin [Homo sapiens]	S110	0.49	0.76	GPAGEAGAsPPVRR	1	1	5	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	PAGEAGAsPPVRRVR	S9;	High	1630.826385	24.59	14.86	21.1	19.8	3	3	52.63	High	0.8679	4.185886383	High	0.6492	Yes
NP_056121.2	23358	260064009	USP24	ubiquitin carboxyl-terminal hydrolase 24 [Homo sapiens]	S1943	0.75	0.5	SVDQGGGGsPR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q4(100)]; 1ﾗPhospho [S9(100)]	Q4(Deamidated): 100; S9(Phospho): 100	S(1): 0.0; S(9): 100.0	VDQGGGGsPRKKVAL	S9;	High	1326.588841	16.4	77.66	17.5	59	2	2	52.62	High	0.7925	2.775874138	High	0.5468	Yes
NP_003619.2	8502	53829374	PKP4	plakophilin-4 isoform a [Homo sapiens]	S132	1.12	0.58	TEPEQGTLYSPEQTsLHESEGSLGNSR	1	4	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S15(100)]	S15(Phospho): 99.97	T(1): 0.0; T(7): 0.0; Y(9): 0.0; S(10): 0.0; T(14): 0.0; S(15): 100.0; S(19): 0.0; S(22): 0.0; S(26): 0.0	LYSPEQTsLHESEGS	S15;	High	3242.46879					1	1	52.61	High	0.1698	4.764766216	High	0.0483	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5552	0.8	3.14	GPAFNMAsPESDFGINLK	1	1	2	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗOxidation [M6(100)]; 1ﾗPhospho [S8(100)]	M6(Oxidation): 100; S8(Phospho): 100	S(8): 100.0; S(11): 0.0	GPAFNMAsPESDFGI	S8;	High	2449.187484					1	1	52.6	High	0.283	3.125861645	High	0.1661	Yes
NP_056272.2	25921	41152072	ZDHHC5	palmitoyltransferase ZDHHC5 [Homo sapiens]	S621	1.37	1.78	GVGsPEPGPTAPYLGR	1	1	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(10): 0.0; Y(13): 0.0	LRGRGVGsPEPGPTA	S4;	High	1863.920345	12.18	3.59	29.4	11.1	3	3	52.59	High	0.6038	3.199473381	High	0.25	Yes
NP_000988.1	6167	4506641	RPL37	60S ribosomal protein L37 [Homo sapiens]	S96	1.06	1.39	AAVAASSsS	1	1	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S8(99.4)]	S8(Phospho): 99.4	S(6): 0.0; S(7): 0.0; S(8): 99.4; S(9): 0.6	AAVAASSsS_	S8;	High	1059.492087	25.84	2.06	40.2	4	2	2	52.56	High	0.1132	2.942419052	High	0.051	Yes
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S177	0.7	1.33	AEGEPQEEsPLK	1	4	3	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	EGEPQEEsPLKSKSQ	S9;	High	1851.914146					1	1	52.5	High	0.9615	3.746989965	High	0.656	Yes
NP_002779.1	5684	4506183	PSMA3	proteasome subunit alpha type-3 isoform 1 [Homo sapiens]	S250	0.45	18.14	ESLKEEDEsDDDNM	1	2	6	1	2ﾗTMT6plex [N-Term; K4]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(2): 0.0; S(9): 100.0	SLKEEDEsDDDNM_	S9;	High	2193.914676	63.21	0.88	41.7	22.9	2	2	52.48	High	0.7885	3.672805071	High	0.4823	Yes
NP_059672.2	2011	86990441	MARK2	serine/threonine-protein kinase MARK2 isoform a [Homo sapiens]	S376	0.88	0.92	RFsDQAGPAIPTSNSYSK	1	3	2	1	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(12): 0.0; S(13): 0.0; S(15): 0.0; Y(16): 0.0; S(17): 0.0	NPKQRRFsDQAGPAI	S3;	High	2464.227375					1	1	52.45	High	0.7692	6.860564709	High	0.5146	Yes
NP_055792.1	22985	7662238	ACIN1	apoptotic chromatin condensation inducer in the nucleus isoform 1 [Homo sapiens]	S838	1.45	1	GVPAGNsDTEGGQPGR	1	5	5	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q13(100)]; 1ﾗPhospho [S7(100)]	N6(Deamidated): 100; S7(Phospho): 99.19	S(7): 99.2; T(9): 0.8	KGVPAGNsDTEGGQP	S7;	High	1808.801352	19.89	6.19	42.7	8.8	2	2	52.44	High	0.4038	3.496007919	High	0.0829	Yes
NP_066565.1	4836	10835073	NMT1	glycylpeptide N-tetradecanoyltransferase 1 [Homo sapiens]	S47	0.83	1.29	GGLsPANDTGAK	1	1	6	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(9): 0.0	SYNRGGLsPANDTGA	S4;	High	1625.830023	0.97	3.05	1.4	6.8	3	3	52.39	High	0.6538	4.674550056	High	0.439	Yes
NP_001190174.1	6204	322303127	RPS10	40S ribosomal protein S10 [Homo sapiens]	S146	0.85	0.92	AEAGAGsATEFQFR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 99.15	S(7): 99.2; T(9): 0.9	KAEAGAGsATEFQFR	S7;	High	1750.799896					1	1	52.38	High	0.3654	2.698180676	High	0.1	Yes
NP_114152.3	116988	110227613	AGAP3	arf-GAP with GTPase, ANK repeat and PH domain-containing protein 3 isoform a [Homo sapiens]	S574	0.71	0.68	LDPPPsPHSNR	1	1	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(9): 0.0	PKLDPPPsPHSNRKK	S6;	High	1525.736173	9.19	6.34	11.3	7.5	3	3	52.36	High	0.6923	4.055435181	High	0.2266	No
NP_057572.5	51535	48255929	PPHLN1	periphilin-1 isoform 1 [Homo sapiens]	T204	1.01	1.57	DtSPSSGSAVSSSK	1	8	3	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [T2(99)]	T2(Phospho): 98.96	T(2): 99.0; S(3): 1.0; S(5): 0.0; S(6): 0.0; S(8): 0.0; S(11): 0.0; S(12): 0.0; S(13): 0.0	SLKTSRDtSPSSGSA	T2;	High	1834.883574					1	1	52.31	High	0.1923	5.154837608	High	0.0039	Yes
NP_006653.2	10847	146219843	SRCAP	helicase SRCAP [Homo sapiens]	S1859	1.29	0.92	SGPPsPPSTATSFGGPRPR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; S(5): 100.0; S(8): 0.0; T(9): 0.0; T(11): 0.0; S(12): 0.0	TLRSGPPsPPSTATS	S5;	High	2162.059298					1	1	52.31	High	0.5	4.146586418	High	0.1422	Yes
NP_005244.1	2355	4885245	FOSL2	fos-related antigen 2 [Homo sapiens]	S230	1.71	0.35	SGGGSVGAVVVKQEPLEEDsPSSSSAGLDK	1	1	3	1	3ﾗTMT6plex [N-Term; K12; K30]; 1ﾗPhospho [S20(97.6)]	S20(Phospho): 97.64	S(1): 0.0; S(5): 0.0; S(20): 97.6; S(22): 2.3; S(23): 0.1; S(24): 0.1; S(25): 0.0	QEPLEEDsPSSSSAG	S20;	High	3640.856192					1	1	52.3	High	0.0769	4.772176743	High	0.0356	Yes
NP_115784.1	9031	14670392	BAZ1B	tyrosine-protein kinase BAZ1B [Homo sapiens]	S1468	0.93	1.68	LAEDEGDsEPEAVGQSR	1	1	8	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; S(16): 0.0	LAEDEGDsEPEAVGQ	S8;	High	2097.917504	2.88	1.74	5.4	5.9	4	4	52.26	High	0.7885	4.334445	High	0.5173	Yes
NP_003740.2	8660	38683860	IRS2	insulin receptor substrate 2 [Homo sapiens]	S973	1.15	0.48	QRsPLSDYMNLDFSSPK	1	1	2	1	2ﾗTMT6plex [N-Term; K17]; 1ﾗOxidation [M9(100)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100; M9(Oxidation): 100	S(3): 100.0; S(6): 0.0; Y(8): 0.0; S(14): 0.0; S(15): 0.0	SSDSRQRsPLSDYMN	S3;	High	2539.230412					1	1	52.25	High	0.0769	5.666960239	High	0.1411	Yes
NP_064520.2	56897	18426902	WRNIP1	ATPase WRNIP1 isoform 1 [Homo sapiens]	S153	0.61	1.15	RPAAAAAAGSAsPR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S12(99)]	S12(Phospho): 98.98	S(10): 1.0; S(12): 99.0	AAAAGSAsPRSWDEA	S12;	High	1562.80017					1	1	52.18	High	0.0577	6.137431145	High	0.0717	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5448	0.59	2.88	IsAPNVDFNLEGPK	1	1	2	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗDeamidated [N5(100)]; 1ﾗPhospho [S2(100)]	S2(Phospho): 100; N5(Deamidated): 100	S(2): 100.0	NLKGPRIsAPNVDFN	S2;	High	2040.045495					1	1	52.16	High	0.7115	4.070773602	High	0.4201	Yes
NP_060745.3	55262	27363480	C7orf43	uncharacterized protein C7orf43 isoform 1 [Homo sapiens]	S517	0.93	0.78	SQsFSHQQPSR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; S(5): 0.0; S(10): 0.0	ASLGRSQsFSHQQPS	S3;	High	1597.73215	5.23	1.26	6.9	1.4	2	2	52.15	High	0.1731	4.218640804	High	0.0711	Yes
NP_000995.1	6181	4506671	RPLP2	60S acidic ribosomal protein P2 [Homo sapiens]	S79	1.72	0.35	LASVPAGGAVAVSAAPGsAAPAAGSAPAAAEEK	1	1	2	0	2ﾗTMT6plex [N-Term; K33]; 1ﾗPhospho [S18(99.9)]	S18(Phospho): 99.91	S(3): 0.0; S(13): 0.0; S(18): 99.9; S(25): 0.0	AVSAAPGsAAPAAGS	S18;	High	3312.724107					1	1	52.14	High	0.1538	5.935087681	High	0.0606	Yes
NP_006006.3	8289	21264565	ARID1A	AT-rich interactive domain-containing protein 1A isoform a [Homo sapiens]	S696	1.16	1.06	GPsPSPVGSPASVAQSR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(98.4)]	S3(Phospho): 98.45	S(3): 98.5; S(5): 1.6; S(9): 0.0; S(12): 0.0; S(16): 0.0	LPGIRGPsPSPVGSP	S3;	High	1889.931972					1	1	52.13	High	0.1731	4.516588211	High	0.073	Yes
NP_065811.1	57520	55741473	HECW2	E3 ubiquitin-protein ligase HECW2 isoform 1 [Homo sapiens]	S48	1.89	1.79	ANsDTDLVTSESR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(5): 0.0; T(9): 0.0; S(10): 0.0; S(12): 0.0	MTLQRANsDTDLVTS	S3;	High	1703.768655					1	1	52.11	High	0.1731	4.500078678	High	0.1489	Yes
NP_073585.8	64759	65288071	TNS3	tensin-3 [Homo sapiens]	S660	1.09	1.04	GVGSGPHPPDTQQPsPSK	1	1	3	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S15(100)]	S15(Phospho): 100	S(4): 0.0; T(11): 0.0; S(15): 100.0; S(17): 0.0	PPDTQQPsPSKAFKP	S15;	High	2311.148396	7.36	17.3	11.4	25.7	2	2	52.1	High	0.3077	4.741081715	High	0.0949	Yes
NP_061330.2	55971	32171238	BAIAP2L1	brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 1 [Homo sapiens]	T257; S261	1.42	2.05	TPASTPVSGtPQAsPMIER	1	1	2	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [T10(100); S14(100)]	T10(Phospho): 100; S14(Phospho): 100	T(1): 0.0; S(4): 0.0; T(5): 0.0; S(8): 0.0; T(10): 100.0; S(14): 100.0	ASTPVSGtPQASPMI;VSGTPQAsPMIERSN	T10; S14;	High	2316.054546					1	1	52.09	High	0.0962	4.282547474	High	0.3107	Yes;Yes
NP_001131024.1	9208	212276096	LRRFIP1	leucine-rich repeat flightless-interacting protein 1 isoform 3 [Homo sapiens]	S16	0.8	1.98	EIDCLsPEAQK	1	4	2	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗCarbamidomethyl [C4]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	SREIDCLsPEAQKLA	S6;	High	1827.896388					1	1	52.09	High	0.9231	3.140136719	High	0.4618	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S872	0.76	1.69	RDsLGTYSSR	1	1	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(6): 0.0; Y(7): 0.0; S(8): 0.0; S(9): 0.0	QEFGKRDsLGTYSSR	S3;	High	1450.688889	24.1	2.76	26.3	6.6	2	2	52.07	High	0.75	4.496467113	High	0.16	Yes
NP_073608.4	64786	299758465	TBC1D15	TBC1 domain family member 15 isoform 1 [Homo sapiens]	S675	0.6	0.85	NDsPTQIPVSSDVCR	1	3	4	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C14]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(5): 0.0; S(10): 0.0; S(11): 0.0	ASGARNDsPTQIPVS	S3;	High	1983.904437	14.01	41.79	12	53.7	2	2	52.07	High	0.0385	3.440640926	High	0.1105	Yes
NP_115871.1	84444	22094135	DOT1L	histone-lysine N-methyltransferase, H3 lysine-79 specific [Homo sapiens]	S1104	1.87	1.02	ASAGTPSLSAGVsPK	1	1	2	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [S13(100)]	S13(Phospho): 100	S(2): 0.0; T(5): 0.0; S(7): 0.0; S(9): 0.0; S(13): 100.0	PSLSAGVsPKRRALP	S13;	High	1867.993065					1	1	52.03	High	0.5769	6.304157257	High	0.3349	Yes
NP_001104490.1	6829	161169023	SUPT5H	transcription elongation factor SPT5 isoform a [Homo sapiens]	S666	0.81		DVTNFTVGGFAPMsPR	1	2	3	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M13(100)]; 1ﾗDeamidated [N4(100)]; 1ﾗPhospho [S14(100)]	N4(Deamidated): 100; M13(Oxidation): 100; S14(Phospho): 100	T(3): 0.0; T(6): 0.0; S(14): 100.0	VGGFAPMsPRISSPM	S14;	High	2021.924111					1		52	High	0.6731	4.164965153	High	0.4928	Yes
NP_005522.2	3428	112789562	IFI16	gamma-interferon-inducible protein 16 isoform 2 [Homo sapiens]	S153	0.84	2.38	VSEEQTQPPsPAGAGMSTAMGR	1	1	21	0	1ﾗTMT6plex [N-Term]; 2ﾗOxidation [M16(100); M20(100)]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100; M16(Oxidation): 100; M20(Oxidation): 100	S(2): 0.0; T(6): 0.0; S(10): 100.0; S(17): 0.0; T(18): 0.0	EEQTQPPsPAGAGMS	S10;	High	2530.115235	23.82	23.81	74.6	487	11	10	51.99	High	0.2115	5.79337883	High	0.2107	Yes
NP_001166994.1	5099	291084612	PCDH7	protocadherin-7 isoform d precursor [Homo sapiens]	S989	0.51	0.41	SVNGGPGsPDLAR	1	4	4	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [N3(100)]; 1ﾗPhospho [S8(100)]	N3(Deamidated): 100; S8(Phospho): 100	S(1): 0.0; S(8): 100.0	SVNGGPGsPDLARHY	S8;	High	1536.725669	77.2	103.27	60.1	66.1	2	2	51.96	High	0.6538	3.718584776	High	0.3495	Yes
NP_056025.2	23255	163644316	MTCL1	microtubule cross-linking factor 1 [Homo sapiens]	S189	1.43	1.16	SLYGDVDsPLPTGEAGGPPSTR	1	1	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	S(1): 0.0; Y(3): 0.0; S(8): 100.0; T(12): 0.0; S(20): 0.0; T(21): 0.0	SLYGDVDsPLPTGEA	S8;	High	2482.17003	30.21	7.24	67.2	11.9	2	2	51.96	High	0.4615	3.596123695	High	0.2444	No
NP_001257655.1	23786	398774579	BCL2L13	bcl-2-like protein 13 isoform b [Homo sapiens]	S450	0.46	1.88	EESLVEELsPASEK	1	5	2	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(3): 0.0; S(9): 100.0; S(12): 0.0	ESLVEELsPASEKKP	S9;	High	2085.040469					1	1	51.95	High	0.4038	3.299945354	High	0.2333	No
NP_036440.1	22992	16306580	KDM2A	lysine-specific demethylase 2A isoform a [Homo sapiens]	S28	1.24	0.99	RYEDDGIsDDEIEGK	1	1	2	1	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	Y(2): 0.0; S(8): 100.0	RYEDDGIsDDEIEGK	S8;	High	2279.048073					1	1	51.93	High	0.9615	5.187272549	High	0.4143	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S2382	0.67	1.38	MAPALSGANLTsPR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M1(100)]; 1ﾗPhospho [S12(99.2)]	M1(Oxidation): 100; S12(Phospho): 99.15	S(6): 0.0; T(11): 0.9; S(12): 99.2	LSGANLTsPRVPLSA	S12;	High	1710.844738					1	1	51.93	High	0.5962	4.769757271	High	0.0503	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_919424.1	3930	37595752	LBR	lamin-B receptor [Homo sapiens]	S99	1.03	0.93	SAsASHQADIK	1	1	10	0	2×TMT6plex [N-Term; K11]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(5): 0.0	KSARRSAsASHQADI	S3;	High	1652.840922	1.93	6.77	4.5	14.2	5	5	51.92	High	0.1154	4.14556551	High	0.0482	Yes
NP_065939.2	57648	112734870	KIAA1522	uncharacterized protein KIAA1522 isoform 1 [Homo sapiens]	S274		1.57	VsLQALEAEAEAGAETEAMLQR	1	2	2	0	1×TMT6plex [N-Term]; 1×Oxidation [M19(100)]; 1×Phospho [S2(100)]	S2(Phospho): 100; M19(Oxidation): 100	S(2): 100.0; T(16): 0.0	SGMGARVsLQALEAE	S2;	High	2642.258193						1	51.91	High	0.9231	3.647265196	High	0.5781	No
NP_055847.1	23047	7657269	PDS5B	sister chromatid cohesion protein PDS5 homolog B [Homo sapiens]	S1166	2.33	0.82	METVSNASSSSNPSsPGR	1	1	3	0	1×TMT6plex [N-Term]; 1×Oxidation [M1(100)]; 1×Phospho [S15(100)]	M1(Oxidation): 100; S15(Phospho): 99.96	T(3): 0.0; S(5): 0.0; S(8): 0.0; S(9): 0.0; S(10): 0.0; S(11): 0.0; S(14): 0.0; S(15): 100.0	SSSSNPSsPGRIKGR	S15;	High	2119.916458					1	1	51.89	High	0.1538	5.333658695	High	0.0356	Yes
NP_004630.3	7917	149158692	BAG6	large proline-rich protein BAG6 isoform a [Homo sapiens]	S973	0.78	0.9	ENAsPAPGTTAEEAMSR	1	3	5	0	1×TMT6plex [N-Term]; 1×Oxidation [M15(100)]; 1×Phospho [S4(100)]	S4(Phospho): 100; M15(Oxidation): 100	S(4): 100.0; T(9): 0.0; T(10): 0.0; S(16): 0.0	EPQRENAsPAPGTTA	S4;	High	2043.889181	2.18	15.02	2.4	19.4	2	2	51.85	High	0.6154	4.173716545	High	0.4101	Yes
NP_004184.1	8729	4758416	GBF1	Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1 isoform 1 [Homo sapiens]	S1780; S1784	0.75	0.72	AASSsSPGsPVASSPSR	1	3	2	0	1×TMT6plex [N-Term]; 2×Phospho [S5(100); S9(100)]	S5(Phospho): 99.95; S9(Phospho): 99.98	S(3): 0.0; S(4): 0.0; S(5): 100.0; S(6): 0.1; S(9): 100.0; S(13): 0.0; S(14): 0.0; S(16): 0.0	SPRAASSsSPGSPVA;ASSSPGsPVASSPS	S5; S9;	High	1920.830283					1	1	51.8	High	0.2885	2.681440115	High	0.1343	Yes;Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1103	1.72	1.88	EAAFsPGQQDWSR	1	1	4	0	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(12): 0.0	PQREAAFsPGQQDWS	S5;	High	1787.795145	7.1	14.69	17.4	40.5	2	2	51.77	High	0.7115	3.928229332	High	0.5649	Yes
NP_525127.1	140576	17933772	S100A16	protein S100-A16 [Homo sapiens]	S101	0.88	0.42	LIHEQEQQsSS	1	1	14	0	1×TMT6plex [N-Term]; 1×Phospho [S9(100)]	S9(Phospho): 99.99	S(9): 100.0; S(10): 0.0; S(11): 0.0	IHEQEQQsSS_	S9;	High	1594.731147					1	1	51.76	High	0.0385	3.340637922	High	0.006	No
NP_613258.2	9555	93141018	H2AFY	core histone macro-H2A.1 isoform 3 [Homo sapiens]	S170; S173	0.96	1	AAsADsTTEGTPADGFTVLSTK	1	3	8	0	2×TMT6plex [N-Term; K22]; 2×Phospho [S3(100); S6(94.6)]	S3(Phospho): 99.99; S6(Phospho): 94.65	S(3): 100.0; S(6): 94.7; T(7): 2.7; T(8): 2.7; T(11): 0.0; T(17): 0.0; S(20): 0.0; T(21): 0.0	GEVSKAAsADSTTEG;SKAASADsTTEGTPA	S3; S6;	High	2745.267324					1	1	51.74	High	0.5	3.303323984	High	0.0879	Yes;Yes
NP_057002.2	51367	20270249	POP5	ribonuclease P/MRP protein subunit POP5 isoform a [Homo sapiens]	S154	0.7	1.38	SCLLEEEEEsGEEAAEAME	1	2	6	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C2]; 1×Oxidation [M18(100)]; 1×Phospho [S10(100)]	S10(Phospho): 100; M18(Oxidation): 100	S(1): 0.0; S(10): 100.0	LLEEEEEsGEEAAEA	S10;	High	2466.961479	127.09	18.01	198.4	36.2	2	2	51.73	High	0.9808	3.26720953	High	0.7768	Yes
NP_054747.2	28962	30025026	OSTM1	osteopetrosis-associated transmembrane protein 1 [Homo sapiens]	S325	0.54	0.52	SSTsFANIQENSN	1	1	6	0	1×TMT6plex [N-Term]; 1×Phospho [S4(99.3)]	S4(Phospho): 99.34	S(1): 0.0; S(2): 0.0; T(3): 0.7; S(4): 99.3; S(12): 0.0	KRLKSSTsFANIQEN	S4;	High	1707.74244					1	1	51.71	High	0.2308	4.917148113	High	0.0447	Yes
NP_001252521.1	57449	388240778	PLEKHG5	pleckstrin homology domain-containing family G member 5 isoform d [Homo sapiens]	S982	0.85	0.48	SLsELCLAVPAPGIR	1	5	6	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C6]; 1×Phospho [S]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0	SAPSRSLsELCLAVP	S3;	High	1891.991402	34.33	43.77	43.2	30.2	2	2	51.7	High	0.4231	5.720648766	High	0.0332	No
NP_004298.1	323	260593729	APBB2	amyloid beta A4 precursor protein-binding family B member 2 isoform a [Homo sapiens]	S410	0.73	0.86	NAPHPDDDDSCsINSDPEAK	1	3	3	0	2×TMT6plex [N-Term; K20]; 1×Carbamidomethyl [C11]; 1×Phospho [S12(100)]	S12(Phospho): 100	S(10): 0.0; S(12): 100.0; S(15): 0.0	PDDDDSCsINSDPEA	S12;	High	2722.17039					1	1	51.68	High	0.0962	5.474586487	High	0.0439	No
NP_079508.2	80346	20149695	REEP4	receptor expression-enhancing protein 4 precursor [Homo sapiens]	S253	0.74	0.38	TVPsDVDS	1	1	6	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	T(1): 0.0; S(4): 100.0; S(8): 0.0	TRKKTVPsDVDS_	S4;	High	1128.502317	59.59	10.26	89.8	6.7	3	3	51.67	High	1	2.791495562	High	0.2688	Yes
NP_005900.2	4131	153945728	MAP1B	microtubule-associated protein 1B [Homo sapiens]	T1067	1.1	2.09	AAEAGGAEEQYGFLTtPTK	1	1	5	0	2×TMT6plex [N-Term; K19]; 1×Phospho [T16(98.9)]	T16(Phospho): 98.89	Y(11): 0.0; T(15): 0.0; T(16): 98.9; T(18): 1.1	EQYGFLTtPTKQLGA	T16;	High	2479.215807					1	1	51.66	High	0.0577	4.951754093	High	0.004	Yes
NP_001073888.2	85451	331028525	UNK	RING finger protein unkempt homolog [Homo sapiens]	S385	0.93	0.88	NSSLGSPSNLCGsPPGSIR	1	1	4	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C11]; 1×Phospho [S13(100)]	S13(Phospho): 100	S(2): 0.0; S(3): 0.0; S(6): 0.0; S(8): 0.0; S(13): 100.0; S(17): 0.0	SPSNLCGsPPGSIRK	S13;	High	2196.031763	15.3	17.82	20.3	22.4	2	2	51.63	High	0.3269	4.743483543	High	0.211	Yes
NP_003461.2	7874	150378533	USP7	ubiquitin carboxyl-terminal hydrolase 7 isoform 1 [Homo sapiens]	S18	2.14	4.63	AGEQQLsEPEDMEMEAGDTDDPPR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; T(19): 0.0	KAGEQQLsEPEDMEM	S7;	High	2956.206293					1	1	51.62	High	0.9038	3.504367352	High	0.4971	Yes
NP_113584.3	10075	61676188	HUWE1	E3 ubiquitin-protein ligase HUWE1 [Homo sapiens]	S3757	0.87		LGSSGLGsASSIQAAVR	1	1	7	0	1×TMT6plex [N-Term]; 1×Phospho [S8(99)]	S8(Phospho): 99.02	S(3): 0.0; S(4): 0.0; S(8): 99.0; S(10): 1.0; S(11): 0.0	LGSSGLGsASSIQAA	S8;	High	1869.963272					1		51.62	High	0.2115	3.064012527	High	0.0033	Yes
NP_005535.1	3667	5031805	IRS1	insulin receptor substrate 1 [Homo sapiens]	S1101	0.93	0.48	HSsETFSSTPSATR	1	1	7	0	1×TMT6plex [N-Term]; 1×Phospho [S3(98.7)]	S3(Phospho): 98.69	S(2): 1.3; S(3): 98.7; T(5): 0.0; S(7): 0.0; S(8): 0.0; T(9): 0.0; S(11): 0.0; T(13): 0.0	GCRRRHSsETFSSTP	S3;	High	1803.811188	2.43	57.82	3.2	41.1	2	2	51.61	High	0.2308	4.984231949	High	0.0241	Yes
NP_006779.1	10928	5803145	RALBP1	ralA-binding protein 1 [Homo sapiens]	S92; S93	1.07	0.68	TEGYAAFQEDssGDEAESPSK	1	1	3	0	2×TMT6plex [N-Term; K21]; 2×Phospho [S11(100); S12(100)]	S11(Phospho): 100; S12(Phospho): 100	T(1): 0.0; Y(4): 0.0; S(11): 100.0; S(12): 100.0; S(18): 0.0; S(20): 0.0	YAAFQEDsSGDEAES;AAFQEDSsGDEAESP	S11; S12;	High	2823.168732					1	1	51.6	High	0.2885	3.823400497	High	0.1832	Yes;Yes
NP_036222.3	23499	33188445	MACF1	microtubule-actin cross-linking factor 1 [Homo sapiens]	S2454	0.73	0.85	AFLAELEQNsPK	1	1	3	0	2×TMT6plex [N-Term; K12]; 1×Phospho [S10(100)]	S10(Phospho): 100	S(10): 100.0	LAELEQNsPKIQKVK	S10;	High	1884.987251					1	1	51.57	High	0.8077	3.479184628	High	0.6034	No
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S893	0.71	0.8	DsLGAYASQDANEQGQDLGKR	1	1	4	1	2×TMT6plex [N-Term; K20]; 1×Phospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; Y(6): 0.0; S(8): 0.0	WEFGKRDsLGAYASQ	S2;	High	2761.319437	6.73	54.16	6.7	67.7	2	2	51.55	High	0.6923	6.162631989	High	0.2873	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S435	1.76	0.95	FSEGVLQsPSQDQEK	1	1	2	0	2×TMT6plex [N-Term; K15]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(2): 0.0; S(8): 100.0; S(10): 0.0	FSEGVLQsPSQDQEK	S8;	High	2217.084065					1	1	51.55	High	0.3846	4.754725933	High	0.1137	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	T3716	1.81	2.71	GPKVDIDtPDINIEGSEGK	1	1	2	1	3×TMT6plex [N-Term; K3; K19]; 1×Phospho [T8(100)]	T8(Phospho): 100	T(8): 100.0; S(16): 0.0	GPKVDIDtPDINIEG	T8;	High	2751.442068					1	1	51.51	High	0.8846	5.182583809	High	0.529	Yes
NP_060427.2	55040	157388929	EPN3	epsin-3 [Homo sapiens]	S264	1.2	0.97	SWQGDGsPMANGAGAVVHHQR	1	1	2	0	1×TMT6plex [N-Term]; 1×Oxidation [M9(100)]; 1×Phospho [S7(100)]	S7(Phospho): 100; M9(Oxidation): 100	S(1): 0.0; S(7): 100.0	RSWQGDGsPMANGAG	S7;	High	2487.118621					1	1	51.51	High	0.1346	5.028047085	High	0.2008	No
NP_001184223.1	1809	308818200	DPYSL3	dihydropyrimidinase-related protein 3 isoform 1 [Homo sapiens]	S102	0.81	1.77	EESREPAPAsPAPAGVEIR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S10(100)]	S10(Phospho): 100	S(3): 0.0; S(10): 100.0	SREPAPAsPAPAGVE	S10;	High	2272.117207					1	1	51.51	High	0.8077	4.284162521	High	0.3692	Yes
NP_001293009.1	4008	807045912	LMO7	LIM domain only protein 7 isoform 3 [Homo sapiens]	S1458	0.76	0.6	RGEsLDNLDSPR	1	3	4	1	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(10): 0.0	GIMRRGEsLDNLDSP	S4;	High	1667.795145	10.98	33.79	11.8	29.4	2	2	51.5	High	0.9615	4.748111248	High	0.4105	No
NP_001186346.1	57636	313661470	ARHGAP23	rho GTPase-activating protein 23 [Homo sapiens]	S372	1.19		SAEALGPGALVsPR	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S12(100)]	S12(Phospho): 100	S(1): 0.0; S(12): 100.0	LGPGALVsPRFERCG	S12;	High	1633.851203					1		51.5	High	0.7308	3.635680199	High	0.6951	Yes
NP_065939.2	57648	112734870	KIAA1522	uncharacterized protein KIAA1522 isoform 1 [Homo sapiens]	S632	0.13	0.3	SPGASVSSSLTsLCSSSSDPAPSDR	1	2	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C14]; 2×Phospho [S12(97.5); S/T]	S8(Phospho): 49.97; S9(Phospho): 49.97; S12(Phospho): 97.53	S(1): 0.0; S(5): 0.0; S(7): 0.0; S(8): 50.0; S(9): 50.0; T(11): 2.4; S(12): 97.5; S(15): 0.1; S(16): 0.0; S(17): 0.0; S(18): 0.0; S(23): 0.0	SVSSSLTsLCSSSSD	S12;	High	2828.189595					1	1	51.49	High	0.098	3.629368782	High	0.0799	No
NP_000601.3	960	48255935	CD44	CD44 antigen isoform 1 precursor [Homo sapiens]	S686	0.13	1.48	LVINsGNGAVEDR	1	6	2	0	1×TMT6plex [N-Term]; 1×Deamidated [N7(100)]; 1×Phospho [S5(100)]	S5(Phospho): 100; N7(Deamidated): 100	S(5): 100.0	KKKLVINsGNGAVED	S5;	High	1653.804647					1	1	51.48	High	0.3529	2.886431456	High	0.09	Yes
NP_001006934.1	85012	55749431	TCEAL3	transcription elongation factor A protein-like 3 [Homo sapiens]	S65	1.15	1.73	EDEGEPGDEGQLEDEGsQEKQGR	1	1	3	1	2×TMT6plex [N-Term; K20]; 1×Phospho [S17(100)]	S17(Phospho): 100	S(17): 100.0	GQLEDEGsQEKQGRS	S17;	High	3056.336997					1	1	51.45	High	1	4.516637325	High	0.615	Yes
NP_005862.1	10285	5032113	SMNDC1	survival of motor neuron-related-splicing factor 30 [Homo sapiens]	S201	0.81	1.12	SIFAsPESVTGK	1	1	2	0	2×TMT6plex [N-Term; K12]; 1×Phospho [S5(99.3)]	S5(Phospho): 99.31	S(1): 0.0; S(5): 99.3; S(8): 0.7; T(10): 0.0	VKRSIFAsPESVTGK	S5;	High	1760.923589					1	1	51.45	High	0.1961	2.76591754	High	0.1119	Yes
NP_001253968.1	51574	388490152	LARP7	la-related protein 7 isoform 2 [Homo sapiens]	S307	0.82	0.73	SSsEDAESLAPR	1	2	5	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(2): 0.0; S(3): 100.0; S(8): 0.0	GKRKRSSsEDAESLA	S3;	High	1557.699513	27.85	15.18	33.2	15.8	2	2	51.43	High	0.1961	5.091583252	High	0.0314	No
NP_919277.2	253959	51230412	RALGAPA1	ral GTPase-activating protein subunit alpha-1 isoform 2 [Homo sapiens]	S740	1.22	1.06	SATTTGsPGTEK	1	4	6	0	2×TMT6plex [N-Term; K12]; 1×Phospho [S7(100)]	S7(Phospho): 99.99	S(1): 0.0; T(3): 0.0; T(4): 0.0; T(5): 0.0; S(7): 100.0; T(10): 0.0	RSATTTGsPGTEKAR	S7;	High	1674.835168	3.52	7.19	6.1	10.8	2	2	51.43	High	0.0196	3.83330965	High	0.0888	Yes
NP_002220.1	3726	4504809	JUNB	transcription factor jun-B [Homo sapiens]	S117	1.34	0.97	GGGsGGGAGGAGGGVTEEQEGFADGFVK	1	1	2	0	2×TMT6plex [N-Term; K28]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(16): 0.0	FYPRGGGsGGGAGGA	S4;	High	2950.36203					1	1	51.4	High	0.3725	4.173690319	High	0.4724	Yes
NP_001005731.1	3691	54607033	ITGB4	integrin beta-4 isoform 3 precursor [Homo sapiens]	S1387	0.08	8.07	MDFAFPGSTNsLHR	1	3	5	0	1×TMT6plex [N-Term]; 1×Phospho [S11(100)]	S11(Phospho): 100	S(8): 0.0; T(9): 0.0; S(11): 100.0	AFPGSTNsLHRMTTT	S11;	High	1888.86145	85.14	5.76	9.4	73.6	2	2	51.38	High	0.2353	5.37823534	High	0.0855	Yes
NP_001884.2	1453	20149530	CSNK1D	casein kinase I isoform delta isoform 1 [Homo sapiens]	S382	0.89	0.77	GAPVNIsSSDLTGR	1	2	3	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 99.98	S(7): 100.0; S(8): 0.0; S(9): 0.0; T(12): 0.0	RGAPVNIsSSDLTGR	S7;	High	1682.831196					1	1	51.37	High	0.2157	3.000100136	High	0.03	Yes
NP_003891.1	8878	4505571	SQSTM1	sequestosome-1 isoform 1 [Homo sapiens]	T269	3.23	2.17	SRLtPVSPESSSTEEK	1	2	13	1	2×TMT6plex [N-Term; K16]; 1×Phospho [T4(99.1)]	T4(Phospho): 99.12	S(1): 0.9; T(4): 99.1; S(7): 0.0; S(10): 0.0; S(11): 0.0; S(12): 0.0; T(13): 0.0	GGKRSRLtPVSPESS	T4;	High	2272.147393	12.03	14.01	75.6	56.6	3	3	51.35	High	0.0392	5.32600069	High	0.0826	Yes
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S1003	0.41	1	RLsLGQGDSTEAATEER	1	1	3	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(9): 0.0; T(10): 0.0; T(14): 0.0	PESPRRLsLGQGDST	S3;	High	2129.007322					1	1	51.31	High	0.549	6.828984261	High	0.3309	Yes
NP_005436.1	9126	4885399	SMC3	structural maintenance of chromosomes protein 3 [Homo sapiens]	S1067	0.88	0.72	KGDVEGSQsQDEGEGSGESER	1	1	4	1	2×TMT6plex [N-Term; K]; 1×Phospho [S9(100)]	S9(Phospho): 100	S(7): 0.0; S(9): 100.0; S(16): 0.0; S(19): 0.0	GDVEGSQsQDEGEGS	S9;	High	2705.193962	5.23	16.6	6.5	17.1	2	2	51.29	High	0.1765	5.394100666	High	0.1484	Yes
NP_003745.1	8665	4503519	EIF3F	eukaryotic translation initiation factor 3 subunit F [Homo sapiens]	S258	1.35	1.55	TCFsPNRVIGLSSDLQQVGGASAR	1	1	2	1	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C2]; 1×Phospho [S4(100)]	S4(Phospho): 100	T(1): 0.0; S(4): 100.0; S(12): 0.0; S(13): 0.0; S(22): 0.0	LIMKTCFsPNRVIGL	S4;	High	2829.391607					1	1	51.28	High	0.1961	5.846580029	High	0.1128	Yes
NP_001107018.1	51474	165905589	LIMA1	LIM domain and actin-binding protein 1 isoform 1 [Homo sapiens]	S343	1.04	1.05	STPAEDDsPGDSQVK	1	2	4	0	2×TMT6plex [N-Term; K15]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(1): 0.0; T(2): 0.0; S(8): 100.0; S(12): 0.0	STPAEDDsPGDSQVK	S8;	High	2070.963281	2.49	33.67	3.7	53.1	2	2	51.28	High	0.4706	3.671007633	High	0.3106	Yes
NP_001127910.1	90102	197313730	PHLDB2	pleckstrin homology-like domain family B member 2 isoform a [Homo sapiens]	T898	0.75	1.07	EGLYLSDtLPR	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [T8(100)]	T8(Phospho): 100	Y(4): 0.0; S(6): 0.0; T(8): 100.0	EGLYLSDtLPRKKTT	T8;	High	1572.787206					1	1	51.28	High	0.451	3.445079803	High	0.2493	Yes
NP_055448.1	9646	7661950	CTR9	RNA polymerase-associated protein CTR9 homolog [Homo sapiens]	S941; S943	2.2	0.85	KGsGsEQEGEDEEGGER	1	1	6	1	2×TMT6plex [N-Term; K]; 2×Phospho [S3(100); S5(100)]	S3(Phospho): 100; S5(Phospho): 100	S(3): 100.0; S(5): 100.0	KKKRRKGsGSEQEGE;KRRKGSGsEQEGEDE	S3; S5;	High	2397.984895	4.19	2.42	16.1	3.6	3	3	51.26	High	1	6.055477619	High	0.7162	Yes;Yes
NP_001180243.1	63894	300934874	VIPAS39	spermatogenesis-defective protein 39 homolog isoform 1 [Homo sapiens]	S121	0.67	1.65	TRPGsFQSLSDALSDTPAK	1	2	5	0	2×TMT6plex [N-Term; K19]; 1×Phospho [S5(99)]	S5(Phospho): 99.04	T(1): 1.0; S(5): 99.0; S(8): 0.0; S(10): 0.0; S(14): 0.0; T(16): 0.0	RGRTRPGsFQSLSDA	S5;	High	2516.279804					1	1	51.26	High	0.2549	4.940265179	High	0.0445	Yes
NP_004284.1	9615	4758426	GDA	guanine deaminase isoform b [Homo sapiens]	S453	3.55		QVVPFSSsV	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S8(99.5)]	S8(Phospho): 99.49	S(6): 0.0; S(7): 0.5; S(8): 99.5	QVVPFSSsV_	S8;	High	1258.628186					1		51.26	High	0.0784	2.797905922	High	0.0857	No
NP_997263.2	388115	155029552	C15orf52	uncharacterized protein C15orf52 [Homo sapiens]	S201	1.33	1.33	VTRsPPTQVAISSDSAR	1	1	2	1	1×TMT6plex [N-Term]; 1×Deamidated [Q8(100)]; 1×Phospho [S4(100)]	S4(Phospho): 99.98; Q8(Deamidated): 100	T(2): 0.0; S(4): 100.0; T(7): 0.0; S(12): 0.0; S(13): 0.0; S(15): 0.0	PGGRVTRsPPTQVAI	S4;	High	2082.04298					1	1	51.24	High	0.2745	4.562857628	High	0.068	Yes
NP_055820.2	283638	326319990	CEP170B	centrosomal protein of 170 kDa protein B isoform 2 [Homo sapiens]	S916	1.24	2.32	EMsPSPPAAQDPGGTALVSAR	1	2	3	0	1×TMT6plex [N-Term]; 1×Oxidation [M2(100)]; 1×Phospho [S3(100)]	M2(Oxidation): 100; S3(Phospho): 99.95	S(3): 100.0; S(5): 0.1; T(15): 0.0; S(19): 0.0	LRAQKEMsPSPPAAQ	S3;	High	2364.110407					1	1	51.24	High	0.0588	4.410099983	High	0.0023	No
NP_001123528.1	1936	194239729	EEF1D	elongation factor 1-delta isoform 4 [Homo sapiens]	S109	0.41	10.62	ATAPQTQHVsPMR	1	4	4	0	1×TMT6plex [N-Term]; 1×Deamidated [Q7(100)]; 1×Phospho [S10(100)]	Q5(Deamidated): 100; S10(Phospho): 100	T(2): 0.0; T(6): 0.0; S(10): 100.0	APQTQHVsPMRQVEP	S10;	High	1733.824337	32.66	2.05	19.2	31.5	2	2	51.23	High	0.3725	5.985922337	High	0.0751	No
NP_002212.3	3707	194272161	ITPKB	inositol-trisphosphate 3-kinase B [Homo sapiens]	T33	0.43	0.65	SGGGPGPSGSEtPPPPR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [T12(100)]	T12(Phospho): 100	S(1): 0.0; S(8): 0.0; S(10): 0.0; T(12): 100.0	PGPSGSEtPPPPRRA	T12;	High	1842.858473					1	1	51.22	High	0.3922	4.140358448	High	0.1135	Yes
NP_060352.1	54982	8923532	CLN6	ceroid-lipofuscinosis neuronal protein 6 [Homo sapiens]	S31	1.58	1.53	HGsVSADEAAR	1	1	5	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0	FLQARHGsVSADEAA	S3;	High	1408.641939	6.67	5.49	15	11.9	2	2	51.17	High	0.3922	4.311853886	High	0.1926	Yes
NP_073153.1	64682	12056971	ANAPC1	anaphase-promoting complex subunit 1 [Homo sapiens]	S688	0.9	1.01	NFDFEGSLsPVIAPK	1	1	2	0	2×TMT6plex [N-Term; K15]; 1×Phospho [S9(99)]	S9(Phospho): 98.99	S(7): 1.0; S(9): 99.0	FDFEGSLsPVIAPKK	S9;	High	2159.118994					1	1	51.15	High	0.0588	4.106070042	High	0.0827	Yes
NP_061185.1	55920	29789090	RCC2	protein RCC2 [Homo sapiens]	S50; S51	0.94	0.86	CSSSSGGGssGDEDGLELDGAPGGGKR	1	1	2	1	2×TMT6plex [N-Term; K26]; 1×Carbamidomethyl [C1]; 2×Phospho [S9(100); S10(100)]	S9(Phospho): 100; S10(Phospho): 100	S(2): 0.0; S(3): 0.0; S(4): 0.0; S(5): 0.0; S(9): 100.0; S(10): 100.0	SSSSGGGsSGDEDGL;SSSGGGSsGDEDGLE	S9; S10;	High	3114.312453					1	1	51.13	High	0.3333	3.945798159	High	0.1139	Yes;Yes
NP_001006934.1	85012	55749431	TCEAL3	transcription elongation factor A protein-like 3 [Homo sapiens]	S65	0.82	3.3	REDEGEPGDEGQLEDEGsQEK	1	1	2	1	2×TMT6plex [N-Term; K21]; 1×Phospho [S18(100)]	S18(Phospho): 100	S(18): 100.0	GQLEDEGsQEKQGRS	S18;	High	2871.256956					1	1	51.07	High	0.9804	4.497303486	High	0.6578	Yes
NP_076872.1	2707	13128960	GJB3	gap junction beta-3 protein [Homo sapiens]	T268	0.18	1.99	LQASAPNLtPI	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [T9(100)]	T9(Phospho): 100	S(4): 0.0; T(9): 100.0	QASAPNLtPI_	T9;	High	1433.760263					1	1	51.04	High	0.6863	2.639063358	High	0.4811	No
NP_001139488.1	93643	225690487	TJAP1	tight junction-associated protein 1 isoform a [Homo sapiens]	S300	1	2.42	GsPEEELPLPAFEK	1	2	5	0	2×TMT6plex [N-Term; K14]; 1×Phospho [S2(100)]	S2(Phospho): 100	S(2): 100.0	SLGTARGsPEEELPL	S2;	High	2081.06081	18.22	5.07	26.3	17.5	2	2	51.01	High	1	4.701691628	High	0.7	Yes
NP_001245308.1	9497	385648268	SLC4A7	sodium bicarbonate cotransporter 3 isoform b [Homo sapiens]	S1130	0.82	1.07	YVDAETsL	1	3	8	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	Y(1): 0.0; T(6): 0.0; S(7): 100.0	KYVDAETsL_	S7;	High	1206.549267	0.24	2.9	0.3	5.4	3	3	51.01	High	0.2549	2.89336586	High	0.1626	No
NP_055331.1	4849	7657387	CNOT3	CCR4-NOT transcription complex subunit 3 [Homo sapiens]	S299	1.67	1.81	STDSEVSQsPAK	1	1	2	0	2×TMT6plex [N-Term; K12]; 1×Phospho [S9(100)]	S9(Phospho): 100	S(1): 0.0; T(2): 0.0; S(4): 0.0; S(7): 0.0; S(9): 100.0	TDSEVSQsPAKNGSK	S9;	High	1773.867196					1	1	50.97	High	0.451	4.306917191	High	0.2227	Yes
NP_003165.2	6840	150417971	SVIL	supervillin isoform 1 [Homo sapiens]	S50	0.72	0.45	ASDPAsPHIGR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(2): 0.0; S(6): 100.0	MRASDPAsPHIGRSN	S6;	High	1416.683409					1	1	50.96	High	0.6667	3.75531435	High	0.4894	Yes
NP_003673.3	8567	209862994	MADD	MAP kinase-activating death domain protein isoform d [Homo sapiens]	S820	1.3	1.17	LASDsDAESDSR	1	10	4	0	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(3): 0.0; S(5): 100.0; S(9): 0.0; S(11): 0.0	SLRLASDsDAESDSR	S5;	High	1561.658042	0.93	11.53	1.7	19.3	2	2	50.94	High	0.4118	4.358501911	High	0.0917	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan et al., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells.

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlanEvidence
NP_361013.3	7798	216548085	LUZP1	leucine zipper protein 1 [Homo sapiens]	S440	1.76	1.04	ASHMGVsTDSGTQETK	1	1	4	0	2?TMT6plex [N-Term; K16]; 1?Oxidation [M4(100)]; 1?Phospho [S7(100)]	M4(Oxidation): 100; S7(Phospho): 99.97	S(2): 0.0; S(7): 100.0; T(8): 0.0; S(10): 0.0; T(12): 0.0; T(15): 0.0	KASHMGVsTDSGTQE	S7;	High	2190.014999					1	1	50.91	High	0.0784	3.550151348	High	0.0141	Yes
NP_056111.1	23348	24308029	DOCK9	dedicator of cytokinesis protein 9 isoform a [Homo sapiens]	S443	2.33		QMLATTSPALMNGSGQsPSVLK	1	4	2	0	2?TMT6plex [N-Term; K22]; 2?Oxidation [M2(100); M11(100)]; 1?Deamidated [N12(96.9)]; 1?Phospho [S17(99.9)]	M2(Oxidation): 100; M11(Oxidation): 100; N12(Deamidated): 96.89; S17(Phospho): 99.09	T(5): 0.0; T(6): 0.0; S(7): 0.0; S(14): 0.1; S(17): 99.9; S(19): 0.0	LMNGSGQsPSVLKGI	S17;	High	2789.386655					1		50.9	High	0.3137	3.174747229	High	0.1073	Yes
NP_114429.2	83987	199559779	CCDC8	coiled-coil domain-containing protein 8 [Homo sapiens]	S238	0.59	1.1	LASTAVESAGVSsAPEGTSPGDR	1	1	3	0	1?TMT6plex [N-Term]; 1?Phospho [S13(98.6)]	S13(Phospho): 98.57	S(3): 0.0; T(4): 0.0; S(8): 0.0; S(12): 1.4; S(13): 98.6; T(18): 0.0; S(19): 0.0	VESAGVSsAPEGTSP	S13;	High	2455.155108					1	1	50.89	High	0.1569	3.6043818	High	0.0306	No
NP_066565.1	4836	10835073	NMT1	glycylpeptide N-tetradecanoyltransferase 1 [Homo sapiens]	S47	0.81	0.72	GGLsPANDTGAK	1	1	4	0	2?TMT6plex [N-Term; K12]; 1?Deamidated [N7(100)]; 1?Phospho [S4(100)]	S4(Phospho): 100; N7(Deamidated): 100	S(4): 100.0; T(9): 0.0	SYNRGGLsPANDTGA	S4;	High	1626.814039					1	1	50.88	High	0.6275	2.800905704	High	0.3464	Yes
NP_002688.3	5451	311771665	POU2F1	POU domain, class 2, transcription factor 1 isoform 1 [Homo sapiens]	S471	1.26	0.98	INPPSSGGTSSsPIK	1	3	2	0	2?TMT6plex [N-Term; K15]; 1?Phospho [S12(100)]	S12(Phospho): 99.99	S(5): 0.0; S(6): 0.0; T(9): 0.0; S(10): 0.0; S(11): 0.0; S(12): 100.0	SSGGTSSsPIKAIFP	S12;	High	1967.025093					1	1	50.87	High	0.0784	3.729121208	High	0.067	No
NP_001171669.1	2017	296080746	CTTN	src substrate cortactin isoform c [Homo sapiens]	T364	1.17	2.82	TQtPPVSPAPQPTEER	1	3	6	0	1?TMT6plex [N-Term]; 1?Phospho [T3(99)]	T3(Phospho): 99.02	T(1): 1.0; T(3): 99.0; S(7): 0.0; T(13): 0.0	QARAKTQtPPVSPAP	T3;	High	2043.994966	10.34	19.31	17.2	90.1	2	2	50.81	High	0.6667	5.727169037	High	0.0681	Yes
NP_006258.3	5903	150418007	RANBP2	E3 SUMO-protein ligase RanBP2 [Homo sapiens]	S955	0.6	8.93	FESPATGILsPR	1	1	4	0	1?TMT6plex [N-Term]; 1?Phospho [S10(100)]	S10(Phospho): 100	S(3): 0.0; T(8): 0.0; S(10): 100.0	SPATGILsPRGDDYF	S10;	High	1583.80319	202.93	10.97	427.7	241.1	2	2	50.8	High	0.5802	3.643298626	High	0.3214	Yes
NP_001231695.1	92597	348041379	MOB1B	MOB kinase activator 1B isoform 1 [Homo sapiens]	T40	1.05	1.19	HAEAtLGSGNLR	1	4	4	0	1?TMT6plex [N-Term]; 1?Phospho [T5(100)]	T5(Phospho): 100	T(5): 100.0; S(8): 0.0	LLKHAEAtLGSGNLR	T5;	High	1534.757637	2.08	1.15	3.1	1.9	2	2	50.79	High	0.5098	5.208147049	High	0.2131	No
NP_113584.3	10075	61676188	HUWE1	E3 ubiquitin-protein ligase HUWE1 [Homo sapiens]	S2377	0.72		SGEDEsQEDVLMDEAPSNLSQASTLQANR	1	1	2	0	1?TMT6plex [N-Term]; 1?Oxidation [M12(100)]; 1?Phospho [S6(97.6)]	S6(Phospho): 97.58; M12(Oxidation): 100	S(1): 2.4; S(6): 97.6; S(17): 0.0; S(20): 0.0; S(23): 0.0; T(24): 0.0	SRSGEDEsQEDVLMD	S6;	High	3446.510397					1		50.79	High	0.0588	3.805572033	High	0.0997	Yes
NP_958431.2	23164	50980301	MPRIP	myosin phosphatase Rho-interacting protein isoform 2 [Homo sapiens]	S292	3.6	1.59	AEEQQLPPPLSPtPSTPNHR	1	2	3	0	1?TMT6plex [N-Term]; 1?Phospho [S14(99.1)]	S14(Phospho): 99.09	S(11): 0.0; S(14): 99.1; S(16): 0.9; T(17): 0.0	PPPLSPtPSTPNHR	S14;	High	2588.270747					1	1	50.73	High	0.1569	4.320551872	High	0.0301	Yes
NP_001268387.1	51006	527317356	SLC35C2	solute carrier family 35 member C2 isoform d [Homo sapiens]	S364	0.81	0.68	GLGsSPDLELLLR	1	5	2	0	1?TMT6plex [N-Term]; 1?Phospho [S4(100)]	S4(Phospho): 99.99	S(4): 100.0; S(5): 0.0	KALKGLGsSPDLELL	S4;	High	1678.897819					1	1	50.73	High	0.2745	2.719757557	High	0.1985	No
NP_001104026.1	2316	160420317	FLNA	filamin-A isoform 2 [Homo sapiens]	S1459	0.12	21.01	CSGPGLsPGMVR	1	2	2	0	1?TMT6plex [N-Term]; 1?Carbamidomethyl [C1]; 1?Phospho [S7(100)]	S7(Phospho): 100	S(2): 0.0; S(7): 100.0	RCSGPGLsPGMVRAN	S7;	High	1526.705801					1	1	50.72	High	0.7647	2.935866833	High	0.2857	Yes
NP_002820.3	5774	223941876	PTPN3	tyrosine-protein phosphatase non-receptor type 3 isoform 1 [Homo sapiens]	S425	0.8	0.58	GSLAPQDsDSEVSQNR	1	6	5	0	1?TMT6plex [N-Term]; 1?Phospho [S8(100)]	S8(Phospho): 100	S(2): 0.0; S(8): 100.0; S(10): 0.0; S(13): 0.0	GSLAPQDsDSEVSQN	S8;	High	1998.896709	34.02	71.88	39.8	64.9	2	2	50.69	High	0.2157	3.404019594	High	0.1441	Yes
NP_055204.3	27043	503774453	PELP1	proline-, glutamic acid- and leucine-rich protein 1 isoform 1 [Homo sapiens]	T795	0.95	1.04	AGSNEDPLAPSGtPPPTPPDETFGGR	1	2	30	0	1?TMT6plex [N-Term]; 1?Phospho [ST]	T14(Phospho): 98.21	S(3): 0.0; S(12): 1.8; T(14): 98.2; T(18): 0.0; T(24): 0.0	PLAPSGtPPPTPPP	T14;	High	3099.487341	29.24	17.4	84.7	42	7	5	50.66	High	0.3922	6.382180691	High	0.221	No
NP_002516.2	4898	156071450	NRD1	nardilysin isoform a [Homo sapiens]	S86	0.83	1.43	LGADEsEEEGR	1	2	4	0	1?TMT6plex [N-Term]; 1?Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	ARLGADEsEEEGRRG	S6;	High	1500.641664	10.89	20.94	12.8	44.4	2	2	50.64	High	1	2.942432642	High	0.6156	Yes
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S892	0.45	0.4	RGsPTTGFIEQK	1	1	2	1	2?TMT6plex [N-Term; K12]; 1?Deamidated [Q11(100)]; 1?Phospho [S3(100)]	S3(Phospho): 100; Q11(Deamidated): 100	S(3): 100.0; T(5): 0.0; T(6): 0.0	GFSTRRGsPTTGFIE	S3;	High	1859.966851					1	1	50.63	High	0.451	5.189114094	High	0.1676	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1666	1.2	0.87	NRsAEEGELAESK	1	1	4	1	2?TMT6plex [N-Term; K13]; 1?Deamidated [N1(100)]; 1?Phospho [S3(100)]	N1(Deamidated): 100; S3(Phospho): 100	S(3): 100.0; S(12): 0.0	KLRPRNRsAEEGELA	S3;	High	1958.947237	7.06	2.93	12	3.6	2	2	50.62	High	0.9804	5.170370102	High	0.6441	Yes
NP_065806.1	57515	24308213	SERINC1	serine incorporator 1 precursor [Homo sapiens]	S364	1.15	0.6	SDGsLEDGDDVHR	1	1	4	0	1?TMT6plex [N-Term]; 1?Phospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; S(4): 100.0	GGARSDGsLEDGDDV	S4;	High	1710.716954	2.99	30.92	4.8	26.8	2	2	50.62	High	0.2549	3.472237825	High	0.1182	Yes
NP_000995.1	6181	4506671	RPLP2	60S acidic ribosomal protein P2 [Homo sapiens]	S105	0.93	0.46	KEESEEsDDDMGFGLFD	1	3	4	1	2?TMT6plex [N-Term; K]; 1?Oxidation [M1(100)]; 1?Phospho [S7(100)]	S7(Phospho): 100; M11(Oxidation): 100	S(4): 0.0; S(7): 100.0	KKEESEEsDDDMGFG	S7;	High	2504.046418					1	1	50.59	High	0.3922	4.166321754	High	0.1823	Yes
NP_006640.2	10813	21361348	UTP14A	U3 small nucleolar RNA-associated protein 14 homolog A isoform 1 [Homo sapiens]	S445	1.36	1.38	SELSQDAEPAGsQETK	1	2	5	0	2?TMT6plex [N-Term; K16]; 1?Phospho [S4(100)]	S12(Phospho): 99.99	S(1): 0.0; S(4): 0.0; S(12): 100.0; T(15): 0.0	QDAEPAGsQETKDSG	S12;	High	2215.053159	16.78	1.9	33	3.7	2	2	50.57	High	0.3137	4.913186073	High	0.0855	Yes
NP_955271.2	27250	21735596	PDCD4	programmed cell death protein 4 isoform 1 [Homo sapiens]	S76	0.66	0.8	DSGRGDsVSDSGSDALR	1	3	4	1	1?TMT6plex [N-Term]; 1?Phospho [S7(100)]	S7(Phospho): 100	S(2): 0.0; S(7): 100.0; S(9): 0.0; S(11): 0.0; S(13): 0.0	RDSGRGDsVSDSGSD	S7;	High	1989.871222	4.45	14.95	4.2	17.1	2	2	50.54	High	0.2745	5.197292805	High	0.0923	Yes
NP_277055.1	64073	41281603	C19orf33	immortalization up-regulated protein [Homo sapiens]	S62	1.18	0.54	QGHHSSSDSSSSSSDsDTDVK	1	1	2	0	2?TMT6plex [N-Term; K21]; 1?Phospho [S16(100)]	S16(Phospho): 99.98	S(5): 0.0; S(6): 0.0; S(7): 0.0; S(9): 0.0; S(10): 0.0; S(11): 0.0; S(12): 0.0; S(13): 0.0; S(14): 0.0; S(16): 100.0; T(18): 0.0	SSSSSSDsDTDVKSH	S16;	High	2675.147012					1	1	50.53	High	0.1569	3.733430624	High	0.0965	No
NP_055627.2	9859	109255228	CEP170	centrosomal protein of 170 kDa isoform alpha [Homo sapiens]	S630		0.69	STGsATSLASQGER	1	3	3	0	1?TMT6plex [N-Term]; 1?Phospho [S4(97.7)]	S4(Phospho): 97.68	S(1): 1.2; T(2): 1.2; S(4): 97.7; T(6): 0.0; S(7): 0.0; S(10): 0.0	MTVRSTGsATSLASQ	S4;	High	1660.774075					1	1	50.52	High	0.1961	3.293988943	High	0.0821	Yes
NP_00102.1	6218	4506693	RPS17	40S ribosomal protein S17 [Homo sapiens]	S113		6.25	LLDFGsLSNLQVTQPTVGMNFK	1	1	3	0	2?TMT6plex [N-Term; K22]; 1?Oxidation [M19(100)]; 1?Phospho [S6(100)]	S6(Phospho): 100; M19(Oxidation): 100	S(6): 100.0; S(8): 0.0; T(13): 0.0; T(16): 0.0	LKLLDFGsLSNLQVT	S6;	High	2963.535367					1	1	50.52	High	0.4118	3.111610889	High	0.1801	Yes
NP_004136.2	4650	33356170	MYO9B	unconventional myosin-IXb isoform 1 [Homo sapiens]	T1346	1.67	1.27	ATGAALtPTEER	1	2	4	0	1?TMT6plex [N-Term]; 1?Phospho [T7(100)]	T7(Phospho): 100	T(2): 0.0; T(7): 100.0; T(9): 0.0	RATGAALtPTEERRT	T7;	High	1525.746069	2.31	29.06	5.5	56	2	2	50.51	High	0.1569	3.18258357	High	0.0629	Yes
NP_055464.1	9667	7661936	SAFB2	scaffold attachment factor B2 [Homo sapiens]	S207	2.43	3.43	VTPDIEEsLLEPENEK	1	1	2	0	2?TMT6plex [N-Term; K16]; 1?Phospho [S8(100)]	S8(Phospho): 100	T(2): 0.0; S(8): 100.0	VTPDIEEsLLEPENE	S8;	High	2380.193675					1	1	50.49	High	0.68	4.076502323	High	0.3137	Yes
NP_001010872.1	222584	61676089	FAM83B	protein FAM83B [Homo sapiens]	S466	0.82	0.88	sFNGTDNHIR	1	1	6	0	1?TMT6plex [N-Term]; 1?Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(5): 0.0	RNSNVRRsFNGTDNH	S1;	High	1469.673573	2.53	2.76	3.6	4.2	3	3	50.47	High	0.62	6.289133549	High	0.1971	Yes
NP_001121901.1	56916	190358532	SMARCAD1	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1 isoform a [Homo sapiens]	S239; S242	0.8	1.55	LDHGEEsNEsAESSSNWEK	1	2	2	0	2?TMT6plex [N-Term; K19]; 2?Phospho [S7(100); S10(100)]	S7(Phospho): 100; S10(Phospho): 100	S(7): 100.0; S(10): 100.0; S(13): 0.0; S(14): 0.0; S(15): 0.0	RLDHGEEsNESAESSJHGESSNEsAESSSNW	S7; S10;	High	2753.138101					1	1	50.47	High	0.46	4.204859257	High	0.3143	Yes;Yes
NP_110445.1	81576	13540614	CCDC130	coiled-coil domain-containing protein 130 [Homo sapiens]	S362	0.77	1.95	QDKPLsPAGSSQEAADTPDTR	1	1	2	0	2?TMT6plex [N-Term; K3]; 1?Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(10): 0.0; S(11): 0.0; T(17): 0.0; T(20): 0.0	SRQDKPLsPAGSSQE	S6;	High	2709.313289					1	1	50.46	High	0.46	5.120153904	High	0.2441	Yes
NP_005219.2	1956	29725609	EGFR	epidermal growth factor receptor isoform a precursor [Homo sapiens]	Y1197	1.03	0.9	GSTAENAEyLR	1	1	2	0	1?TMT6plex [N-Term]; 1?Phospho [Y9(100)]	Y9(Phospho): 100	S(2): 0.0; T(3): 0.0; Y(9): 100.0	STAENAEyLRVAPQS	Y9;	High	1519.699119					1	1	50.45	High	1	3.489087582	High	0.5788	Yes
NP_005900.2	4131	153945728	MAP1B	microtubule-associated protein 1B [Homo sapiens]	T2034	2.83	3.81	TTRtPDTSTYCYETAEK	1	1	5	1	2?TMT6plex [N-Term; K17]; 1?Carbamidomethyl [C11]; 1?Phospho [T4(99)]	T4(Phospho): 98.96	T(1): 0.0; T(2): 1.0; T(4): 99.0; T(7): 0.0; S(8): 0.0; T(9): 0.0; Y(10): 0.0; Y(12): 0.0; T(14): 0.0	TSTKTTRtPDTSTYC	T4;	High	2562.183521					1	1	50.44	High	0.34	4.157934666	High	0.024	Yes
NP_055845.1	285527	119874201	FRYL	protein furry homolog-like [Homo sapiens]	S2272	0.75	0.83	TYGGDTGsPEISFTK	1	1	5	0	2?TMT6plex [N-Term; K15]; 1?Phospho [S8(100)]	S8(Phospho): 100	T(1): 0.0; Y(2): 0.0; T(6): 0.0; S(8): 100.0; S(12): 0.0; T(14): 0.0	TYGGDTGsPEISFTK	S8;	High	2098.014588	24.02	21.11	26	25	2	2	50.37	High	0.28	3.186429024	High	0.1034	Yes
NP_079491.2	80324	70166645	PUS1	tRNA pseudouridine synthase A, mitochondrial isoform 1 [Homo sapiens]	T426	1.83	1.46	VPSPLEGSEGDGDsD	1	2	5	0	1?TMT6plex [N-Term]; 1?Phospho [T14(100)]	T14(Phospho): 100	S(3): 0.0; S(8): 0.0; T(14): 100.0	GSEGDGDsD_	T14;	High	1783.747251					1	1	50.35	High	0.72	2.597192049	High	0.4885	Yes
NP_003128.3	6732	47419936	SRPK1	SRSF protein kinase 1 [Homo sapiens]	S51		2.64	GSAPHSESDLPEQEEELGDDDEQEDFNSDVCK	1	1	3	0	2?TMT6plex [N-Term; K33]; 1?Carbamidomethyl [C32]; 1?Phospho [S20(100)]	S20(Phospho): 100	S(2): 0.0; S(6): 0.0; S(8): 0.0; S(20): 100.0; Y(31): 0.0	QEEEILGsDDDEQED	S20;	High	4272.796417					1	1	50.34	High	0.46	3.363667727	High	0.2827	Yes
NP_002516.2	4898	156071450	NRD1	nardilysin isoform a [Homo sapiens]	S94	0.59	2.64	RGsLSNAGDPEIVK	1	2	3	1	2?TMT6plex [N-Term; K14]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0	EEGRRGsLSNAGDP	S3;	High	1981.051977	3.2	1.24	2.7	4.6	2	2	50.31	High	0.42	7.008582115	High	0.0999	Yes
NP_055885.3	23091	116008442	ZC3H13	zinc finger CCCH domain-containing protein 13 [Homo sapiens]	S242	1.31	0.95	TSAVSsPLLDQQR	1	1	2	0	1?TMT6plex [N-Term]; 1?Phospho [S6(100)]	S6(Phospho): 100	T(1): 0.0; S(2): 0.0; S(5): 0.0; S(6): 100.0	RKTSAVSsPLLDQQR	S6;	High	1710.862496					1	1	50.31	High	0.16	3.7553222118	High	0.0771	Yes
NP_003740.2	8660	38683860	IRS2	insulin receptor substrate 2 [Homo sapiens]	S560	1.16	0.69	RVsGDAAQDLDR	1	1	4	1	1?TMT6plex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	GRSYRRVsGDAAQDL	S3;	High	1611.76893	16.83	65.92	28.1	71.9	2	2	50.28	High	0.98	5.938537121	High	0.5505	Yes
NP_006176.2	4926	71361682	NUMA1	nuclear mitotic apparatus protein 1 isoform 1 [Homo sapiens]	T2000	1.02	1.02	VSLEPHQGPGsPESK	1	2	2	0	2?TMT6plex [N-Term; K15]; 1?Deamidated [Q7(100)]; 1?Phospho [T11(100)]	Q7(Deamidated): 100; T11(Phospho): 100	S(2): 0.0; T(11): 100.0; S(14): 0.0	EPHQGPGsPESKKAT	T11;	High	2102.057122					1	1	50.27	High	0.32	4.916956902	High	0.1301	Yes
NP_002779.1	5684	4506183	PSMA3	proteasome subunit alpha type-3 isoform 1 [Homo sapiens]	S250	0.85	0.76	ESLKEEDEsDDDNM	1	2	17	1	2?TMT6plex [N-Term; K4]; 1?Oxidation [M14(100)]; 1?Phospho [S9(100)]	S9(Phospho): 100; M14(Oxidation): 100	S(2): 0.0; S(9): 100.0	SLKEEDEsDDDNM_	S9;	High	2209.909591	15.18	21.27	29.6	37.5	5	5	50.27	High	0.78	3.171451807	High	0.4006	Yes
NP_001058.2	7153	19913406	TOP2A	DNA topoisomerase 2-alpha [Homo sapiens]	S1247	0.91	1.05	NENTEGsPQEDGVELEGLK	1	1	2	0	2?TMT6plex [N-Term; K19]; 1?Phospho [S7(100)]	S7(Phospho): 100	T(4): 0.0; S(7): 100.0	KNENTEGsPQEDGVE	S7;	High	2583.222745					1	1	50.26	High	0.14	3.935083628	High	0.1371	Yes
NP_003430.1	7586	55769564	ZKSCAN1	zinc finger protein with KRAB and SCAN domains 1 isoform a [Homo sapiens]	S13	0.62	1.28	EATGLsPQAAQEK	1	1	4	0	2?TMT6plex [N-Term; K13]; 1?Phospho [S6(100)]	S6(Phospho): 100	T(3): 0.0; S(6): 100.0	SREATGLsPQAAQEK	S6;	High	1867.95668	21.33	3.24	18.9	5.9	2	2	50.19	High	0.48	4.015115738	High	0.1169	Yes
NP_001245303.1	58513	385428859	EPS15L1	epidermal growth factor receptor substrate 15-like 1 isoform 1 [Homo sapiens]	S241; S255	3.33	1.89	STPsHGSVSSLNSTGSLsPK	1	4	3	0	2?TMT6plex [N-Term; K20]; 2?Phospho [S4(98.4); S18(100)]	S4(Phospho): 98.37; S18(Phospho): 100	S(1): 0.0; T(2): 1.6; S(4): 98.4; S(7): 0.0; S(9): 0.0; S(10): 0.0; S(13): 1.0; T(14): 0.0; S(16): 0.0; S(18): 100.0	DSLRSTPsHGSVSSLLNSTGSLsPKHSLKQ	S4; S18;	High	2548.20975					1	1	50.17	High	0.38	6.763680935	High	0.1272	Yes;Yes
NP_001185883.1	100526767	312147344	RNF103-CHMP3	RNF103-CHMP3 protein [Homo sapiens]	S229	1.4	1.21	VTDALPEPEPPGAMAAsEDEEEEEALEAMQSR	1	4	7	0	1?TMT6plex [N-Term]; 2?Oxidation [M14(100); M30(100)]; 1?Phospho [S17(100)]	M14(Oxidation): 100; S17(Phospho): 100; M30(Oxidation): 100	T(2): 0.0; S(17): 100.0; S(32): 0.0	PPGAMAAsEDEEEEE	S17;	High	3898.660886	1.43	37.56	2.8	71.8	2	2	50.12	High	0.44	4.832536497	High	0.3727	No
NP_005998.1	7763	5174755	ZFAND5	AN1-type zinc finger protein 5 [Homo sapiens]	S48		1.05	MsPMGTASGSNSPTSDSASVQR	1	1	2	0	1?TMT6plex [N-Term]; 2?Oxidation [M1(100); M4(100)]; 1?Phospho [S2(100)]	M1(Oxidation): 100; S2(Phospho): 100; M4(Oxidation): 100	S(2): 100.0; T(6): 0.0; S(8): 0.0; S(10): 0.0; S(12): 0.0; T(14): 0.0; S(15): 0.0; S(17): 0.0; S(19): 0.0	QQNSGRMsPMGTASG	S2;	High	2496.058114					1	1	50.11	High	0.16	3.915096998	High	0.2296	Yes
NP_001744.2	857	15451856	CAV1	caveolin-1 isoform alpha [Homo sapiens]	S37	0.18	42.33	AMADELsEK	1	1	4	0	2?TMT6plex [N-Term; K9]; 1?Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	KAMADELsEKQVVDA	S7;	High	1531.747933	164.14	2.13	44.2	201.9	2	2	50.11	High	0.9	3.245011568	High	0.5723	Yes
NP_055983.1	23211	122672069	ZC3H4	zinc finger CCCH domain-containing protein 4 [Homo sapiens]	S1269	1.51	1.11	TGSGsPFAGNSPAR	1	1	7	0	1?TMT6plex [N-Term]; 1?Phospho [S5(100)]	S5(Phospho): 100	T(1): 0.0; S(3): 0.0; S(5): 100.0; S(11): 0.0	TPKTGSGsPFAGNSP	S5;	High	1614.747466	0.3	13.02	0.8	25.5	3	3	50.09	High	0.02	4.227503777	High	0.1111	Yes
NP_006132.1	1783	5453634	DYNC1LI2	cytoplasmic dynein 1 light intermediate chain 2 isoform 1 [Homo sapiens]	S194	0.21	2.49	DFQDYMEPEEGCQGsPQR	1	2	3	0	1?TMT6plex [N-Term]; 1?Carbamidomethyl [C12]; 1?Phospho [S15(100)]	S15(Phospho): 100	Y(5): 0.0; S(15): 100.0	PEEGCQGsPQRRGPL	S15;	High	2481.988971					1	1	50.08	High	1	4.324353695	High	0.6181	Yes
NP_005522.2	3428	112789562	IFI16	gamma-interferon-inducible protein 16 isoform 2 [Homo sapiens]	S106	0.56	0.61	EVDATsPAPSTSSTVK	1	2	9	0	2?TMT6plex [N-Term; K16]; 1?Phospho [S6(100)]	S6(Phospho): 98.98	T(5): 1.0; S(6): 99.0; S(10): 0.0; T(11): 0.0; S(12): 0.0; S(13): 0.0; T(14): 0.0	KKEVDATsPAPSTSS	S6;	High	2115.062267	56.06	18.76	46.3	16.2	2	2	50.04	High	0.06	4.786105156	High	0.0146	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S212; S216	2.28	1.14	TVRLPSGtGAAPTGSAVDIR	1	1	10	1	1?TMT6plex [N-Term]; 2?Phospho [S9(100); S13(100)]	S9(Phospho): 100; S13(Phospho): 100	T(1): 0.0; S(7): 0.0; S(9): 100.0; S(13): 100.0; T(15): 0.0; S(17): 0.0	VRLPSGtGAAPTGSAVD	S9; S13;	High	2501.23635	7.32	36.24	34.2	99.3	4	4	50.03	High	0.08	6.599751472	High	0.2485	Yes;Yes
NP_001028733.1	57649	75677357	PHF12	PHD finger protein 12 isoform 1 [Homo sapiens]	S131	1.4	1.2	TTsPSSDTDLLDR	1	3	4	0	1?TMT6plex [N-Term]; 1?Phospho [S3(99.3)]	S3(Phospho): 99.26	T(1): 0.0; T(2): 0.7; S(3): 99.3; S(5): 0.0; S(6): 0.0; T(8): 0.0	KSGKRTTsPSSDTDL	S3;	High	1716.789056	0.66	0.5	1.3	0.9	2	2	49.96	High	0.2	3.489837408	High	0.1032	Yes
NP_071354.2	63898	21361891	SH2D4A	SH2 domain-containing protein 4A isoform a [Homo sapiens]	S315	3.62	5.61	TLsSSAQEDIR	1	1	2	0	1?TMT6plex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; S(4): 0.0; S(5): 0.0	QGVVRTLsSSAQEDI	S3;	High	1628.809398					1	1	49.93	High	0.04	4.483804703	High	0.0826	Yes
NP_006725.3	3097	110347463	HIVEP2	transcription factor HIVEP2 [Homo sapiens]	S1085	0.55	12.74	QAsFSGSPEISQGEVGMDQSVK	1	1	5	0	2?TMT6plex [N-Term; K22]; 1?Deamidated [Q12(100)]; 1?Phospho [S3(98.4)]	S3(Phospho): 98.45; Q12(Deamidated): 100	S(3): 98.5; S(5): 1.5; S(7): 0.0; S(11): 0.0; S(20): 0.0	CFLVRQAsFSGSPEI	S3;	High	2807.321077					1	1	49.93	High	0.24	3.417056322	High	0.0351	Yes
NP_005236.2	2195	66346693	FAT1	protocadherin Fat 1 precursor [Homo sapiens]	S4473	0.22	7.1	DMPAAGsLGSSSR	1	1	3	0	1?TMT6plex [N-Term]; 1?Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; S(10): 0.0; S(11): 0.0; S(12): 0.0	RDMPAAGsLGSSSRN	S7;	High	1544.697739					1	1	49.93	High	0.32	2.911732912	High	0.1478	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_055160.2	24149	120587019	ZNF318	zinc finger protein 318 [Homo sapiens]	S40	1.52	1.25	RSsPPPPPSGSSSR	1	1	19	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(99.2)]	S3(Phospho): 99.12	S(2): 0.9; S(3): 99.1; S(9): 0.0; S(11): 0.0; S(12): 0.0; S(13): 0.0	SGPARRSsPPPPPSG	S3;	High	1704.826779	5.9	6.09	18.1	15.3	4	4	49.9	High	0.78	5.663583279	High	0.0371	Yes
NP_036275.1	24144	8393259	TFIP11	tuftelin-interacting protein 11 [Homo sapiens]	S210	0.5	5.81	TTQSMQDFPVVDsEEEAEEEFQK	1	1	2	0	2ﾗTMT6plex [N-Term; K23]; 1ﾗPhospho [S13(100)]	S13(Phospho): 100	T(1): 0.0; T(2): 0.0; S(4): 0.0; S(13): 100.0	QDFPVVDsEEEAEEE	S13;	High	3241.453607					1	1	49.87	High	0.46	4.92037344	High	0.3659	Yes
NP_835227.1	162427	30023820	FAM134C	protein FAM134C [Homo sapiens]	S313; S320	0.68	2.23	GQTPLTEGsEDLDGHsDPEESFAR	1	1	5	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S9(100); S16(100)]	S9(Phospho): 99.97; S16(Phospho): 100	T(3): 0.0; T(6): 0.0; S(9): 100.0; S(16): 100.0; S(21): 0.0	QTPLTEGsEDLDGHS;SEDLDGHsDPEESFA	S9; S16;	High	2963.218252	41.29	15.82	41.5	53.2	2	2	49.87	High	0.36	4.652470589	High	0.471	Yes;Yes
NP_005383.3	5253	117190342	PHF2	lysine-specific demethylase PHF2 [Homo sapiens]	S1056	1.8	1.69	RPsASSPNNNTAAK	1	1	11	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; S(6): 0.0; T(11): 0.0	FLTQRRPsASSPNNN	S3;	High	1952.995525					1	1	49.85	High	0.06	4.770865917	High	0.1447	Yes
NP_001135452.1	7158	213972636	TP53BP1	tumor suppressor p53-binding protein 1 isoform 1 [Homo sapiens]	S385	1.2	1.68	STPFIVPSsPTEQEGR	1	3	4	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q13(100)]; 1ﾗPhospho [S9(99.2)]	S9(Phospho): 99.21; Q13(Deamidated): 100	S(1): 0.0; T(2): 0.0; S(8): 0.8; S(9): 99.2; T(11): 0.0	TPFIVPSsPTEQEGR	S9;	High	2041.968083					1	1	49.85	High	0.04	3.192590714	High	0.0251	No
NP_001002032.1	51155	50345294	HN1	hematological and neurological expressed 1 protein isoform 2 [Homo sapiens]	S87	0.61	1.76	RNsSEASSGDFLDLK	1	4	3	1	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [S3(99.1)]	S3(Phospho): 99.08	S(3): 99.1; S(4): 0.9; S(7): 0.0; S(8): 0.0	SGLQRRNsSEASSGD	S3;	High	2164.068749					1	1	49.8	High	0.26	3.514248133	High	0.1054	Yes
NP_722549.2	50488	27436917	MINK1	misshapen-like kinase 1 isoform 3 [Homo sapiens]	S763	0.76	0.59	SDSVLPASHGHLPQAGsLER	1	4	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S17(100)]	S17(Phospho): 100	S(1): 0.0; S(3): 0.0; S(8): 0.0; S(17): 100.0	GHLPQAGsLERNRVG	S17;	High	2367.165554	29.29	55.62	40.3	62.2	3	3	49.77	High	0.76	7.318485737	High	0.429	Yes
NP_073744.2	64855	51093863	FAM129B	niban-like protein 1 isoform 1 [Homo sapiens]	S665	1.96	1.15	GLLAQGLRPEsPPPAGPLLNGAPAGESPQPK	1	2	3	0	2ﾗTMT6plex [N-Term; K31]; 1ﾗDeamidated [N20(100)]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100; N20(Deamidated): 100	S(11): 100.0; S(27): 0.0	AQGLRPEsPPPAGPL	S11;	High	3555.897655	14.55	4.68	42.1	7.6	2	2	49.77	High	0.14	5.935215473	High	0.1246	Yes
NP_006280.3	7094	223029410	TLN1	talin-1 [Homo sapiens]	S2040	0.56	1.16	VLVQNAAGsQEK	1	1	4	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	LVQNAAGsQEKLAQA	S9;	High	1781.956286	13	11.9	10.3	19.7	2	2	49.73	High	1	3.998907566	High	0.74	Yes
NP_057562.3	51530	66348045	ZC3HC1	nuclear-interacting partner of ALK isoform 1 [Homo sapiens]	S395	1.56	0.74	SMGTGDTPGLEVPSsPLR	1	2	6	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M2(100)]; 1ﾗPhospho [S15(98.1)]	M2(Oxidation): 100; S15(Phospho): 98.09	S(1): 0.0; T(4): 0.0; T(7): 0.0; S(14): 1.9; S(15): 98.1	PGLEVPSsPLRKAKR	S15;	High	2126.003817	29.41	21.6	72.6	22.8	2	2	49.72	High	0.22	6.088850498	High	0.0427	Yes
NP_060873.4	55802	291327466	DCP1A	mRNA-decapping enzyme 1A isoform a [Homo sapiens]	S353	1.34	1.22	QRsPLLNQPVPELSHASLIANQSPFR	1	5	4	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(14): 0.0; S(17): 0.0; S(23): 0.0	KTTPRQRsPLLNQPV	S3;	High	3208.682962	15	17.42	29	30.8	2	2	49.71	High	0.66	9.813637733	High	0.4027	Yes
NP_001284519.1	10849	662236821	CD3EAP	DNA-directed RNA polymerase I subunit RPA34 isoform 1 [Homo sapiens]	S287	0.69	1.72	QEQINTEPLEDTVLsPTK	1	2	5	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S15(100)]	S15(Phospho): 98.96	T(6): 0.0; T(12): 0.0; S(15): 99.0; T(17): 1.0	PLEDTVLsPTKKRKR	S15;	High	2580.321	90.09	39.82	107	124.3	2	2	49.69	High	0.24	5.505385399	High	0.0417	No
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	S230	0.89	0.91	HYEDGYPGGSDNYGsLSR	1	15	4	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [N12(100)]; 1ﾗPhospho [S15(98.4)]	N12(Deamidated): 100; S15(Phospho): 98.36	Y(2): 0.0; Y(6): 0.0; S(10): 0.0; Y(13): 0.0; S(15): 98.4; S(17): 1.6	GGSDNYGsLSRVTRI	S15;	High	2283.939302	17.49	7.15	22.3	9.2	2	2	49.69	High	0.28	3.567704201	High	0.07	Yes
NP_001093869.1	23244	155030216	PDS5A	sister chromatid cohesion protein PDS5 homolog A isoform 1 [Homo sapiens]	S1195	1.52	1.23	SREQSSEAAETGVsENEENPVR	1	1	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S14(100)]	S14(Phospho): 100	S(1): 0.0; S(5): 0.0; S(6): 0.0; T(11): 0.0; S(14): 100.0	EAAETGVsENEENPV	S14;	High	2714.210391					1	1	49.67	High	0.36	5.602497101	High	0.1196	Yes
NP_803136.2	147700	91825557	KLC3	kinesin light chain 3 [Homo sapiens]	S466	1.06	0.56	AMsLNTLNVDAPR	1	1	5	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M2(100)]; 1ﾗPhospho [S3(100)]	M2(Oxidation): 100; S3(Phospho): 100	S(3): 100.0; T(6): 0.0	AGMKRAMsLNTLNVD	S3;	High	1726.839652	5.63	15.17	8.5	12.1	2	2	49.63	High	0.4	4.687680244	High	0.2154	Yes
NP_872579.2	2186	38788274	BPTF	nucleosome-remodeling factor subunit BPTF isoform 1 [Homo sapiens]	S637	0.98	0.79	SNGELSEsPGAGK	1	2	2	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗDeamidated [N2(100)]; 1ﾗPhospho [S8(100)]	N2(Deamidated): 100; S8(Phospho): 100	S(1): 0.0; S(6): 0.0; S(8): 100.0	SNGELSEsPGAGKGA	S8;	High	1771.851546					1	1	49.63	High	0.24	3.112587929	High	0.2315	No
NP_001124295.1	1786	195927037	DNMT1	DNA (cytosine-5)-methyltransferase 1 isoform a [Homo sapiens]	S730	1.84	1	EADDDEEVDDNIPEMPsPK	1	2	4	0	2ﾗTMT6plex [N-Term; K19]; 1ﾗOxidation [M15(100)]; 1ﾗPhospho [S17(100)]	M15(Oxidation): 100; S17(Phospho): 100	S(17): 100.0	DNIPEMPsPKKMHQG	S17;	High	2699.168324	19.43	10.05	54	14.2	2	2	49.6	High	1	3.886884451	High	0.7121	No
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S756	1.06	0.59	SVSGsPEPAAK	1	3	5	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; S(3): 0.0; S(5): 100.0	SSRSVSGsPEPAAKK	S5;	High	1567.81331	0.65	29.98	1	25.5	2	2	49.59	High	0.42	4.108289719	High	0.1144	Yes
NP_002347.5	4082	153070260	MARCKS	myristoylated alanine-rich C-kinase substrate [Homo sapiens]	S46	0.99	5.57	VNGDAsPAAAESGAK	1	1	4	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(12): 0.0	VKVNGDAsPAAAESG	S6;	High	1882.931193	57.02	5.63	94.2	46.6	2	2	49.58	High	0.52	4.759630203	High	0.5084	Yes
NP_065863.2	57572	157426887	DOCK6	dedicator of cytokinesis protein 6 [Homo sapiens]	S880; S882	1.91	0.85	SKsIsSSNPDLAVAPGSVDDEVSR	1	1	2	1	2ﾗTMT6plex [N-Term; K2]; 2ﾗPhospho [S3(98); S5(96.2)]	S3(Phospho): 98.05; S5(Phospho): 96.18	S(1): 2.0; S(3): 98.1; S(5): 96.2; S(6): 1.9; S(7): 1.9; S(17): 0.0; S(23): 0.0	LYLARSKsISSSNPD;LARSKSIsSSNPDLA	S3; S5;	High	3035.437577					1	1	49.56	High	0.08	3.826548338	High	0.1175	Yes;No
NP_877499.1	55117	33354281	SLC6A15	sodium-dependent neutral amino acid transporter B(0)AT2 isoform 1 [Homo sapiens]	S701	2.22	1.5	KQSGsPTLDTAPNGR	1	2	2	1	2ﾗTMT6plex [N-Term; K]; 1ﾗPhospho [S5(100)]	S5(Phospho): 99.98	S(3): 0.0; S(5): 100.0; T(7): 0.0; T(10): 0.0	IYRKQSGsPTLDTAP	S5;	High	2067.063604					1	1	49.54	High	0.08	4.659932137	High	0.0944	Yes
NP_002636.2	5286	157671929	PIK3C2A	phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha [Homo sapiens]	S259	1.61	1.07	VSNLQVsPK	1	1	3	0	2ﾗTMT6plex [N-Term; K9]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(2): 0.0; S(7): 100.0	KVSNLQVsPKSEDIS	S7;	High	1509.844216	6.27	3.59	14.4	5.4	2	2	49.54	High	0.68	4.18021059	High	0.512	Yes
NP_001008212.1	10133	56549107	OPTN	optineurin [Homo sapiens]	S526	0.81	0.98	TsDSDQQAYLVQR	1	1	7	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S2(100)]	S2(Phospho): 100	T(1): 0.0; S(2): 100.0; S(4): 0.0; Y(9): 0.0	SRHGARTsDSDQQAY	S2;	High	1819.842489	13.35	33.57	15.3	49.1	2	2	49.54	High	0.16	3.988444567	High	0.1128	Yes
NP_004482.4	2909	150417981	ARHGAP35	rho GTPase-activating protein 35 [Homo sapiens]	Y1105	1.57	0.75	NEEENIySVPHDSTQGK	1	1	2	0	2ﾗTMT6plex [N-Term; K17]; 1ﾗPhospho [Y7(100)]	Y7(Phospho): 99.99	Y(7): 100.0; S(8): 0.0; S(13): 0.0; T(14): 0.0	RNEEENIySVPHDST	Y7;	High	2485.164834					1	1	49.54	High	0.16	3.898206234	High	0.0897	Yes
NP_001135452.1	7158	213972636	TP53BP1	tumor suppressor p53-binding protein 1 isoform 1 [Homo sapiens]	S385	1.28	1.69	STPFIVPSsPTEQEGR	1	3	11	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S9(99.2)]	S9(Phospho): 99.98	S(1): 0.0; T(2): 0.0; S(8): 0.0; S(9): 100.0; T(11): 0.0	TPFIVPSsPTEQEGR	S9;	High	2040.984067	8.45	8.72	18.9	26	3	3	49.53	High	0.04	5.483248234	High	0.0401	No
NP_004754.1	9270	4758578	ITGB1BP1	integrin beta-1-binding protein 1 isoform 1 [Homo sapiens]	S41	0.72	0.42	SSTVAsLDTDSTK	1	2	4	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(1): 0.0; S(2): 0.0; T(3): 0.0; S(6): 100.0; T(9): 0.0; S(11): 0.0; T(12): 0.0	SRSSTVAsLDTDSTK	S6;	High	1849.919625	8.11	11.34	8.3	6.7	2	2	49.53	High	0.3	3.579388618	High	0.2374	Yes
NP_001002858.1	302	50845388	ANXA2	annexin A2 isoform 1 [Homo sapiens]	S36	0.47	0.63	LSLEGDHsTPPSAYGSVK	1	2	10	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S8(98.9)]	S8(Phospho): 98.93	S(2): 0.0; S(8): 98.9; T(9): 1.1; S(12): 0.0; Y(14): 0.0; S(16): 0.0	LSLEGDHsTPPSAYG	S8;	High	2383.194678	95.76	24.43	92.5	27	3	3	49.52	High	0.02	5.474307537	High	0.0475	No
NP_001269677.1	7091	544224628	TLE4	transducin-like enhancer protein 4 isoform 1 [Homo sapiens]	S292	0.79	0.8	DAPIsPASIASSSSTPSSK	1	4	4	0	2ﾗTMT6plex [N-Term; K19]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(8): 0.0; S(11): 0.0; S(12): 0.0; S(13): 0.0; S(14): 0.0; T(15): 0.0; S(17): 0.0; S(18): 0.0	LKKDAPIsPASIASS	S5;	High	2328.173608	6.56	11.64	7.3	13.3	2	2	49.51	High	0.28	4.052414894	High	0.2296	Yes
NP_056128.1	23365	7662088	ARHGEF12	rho guanine nucleotide exchange factor 12 isoform 1 [Homo sapiens]	T703	0.83	0.97	QVGETSAPGDTLDGtPR	1	3	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T15(100)]	T15(Phospho): 100	T(5): 0.0; S(6): 0.0; T(11): 0.0; T(15): 100.0	PGDTLDGtPRTLNTV	T15;	High	2009.937845					1	1	49.49	High	0.1224	5.394823074	High	0.1596	Yes
NP_056982.1	51341	7705375	ZBTB7A	zinc finger and BTB domain-containing protein 7A [Homo sapiens]	S549	1.81	1.25	HFKDEDEDEDVAsPDGLGR	1	1	4	1	2ﾗTMT6plex [N-Term; K3]; 1ﾗPhospho [S13(100)]	S13(Phospho): 100	S(13): 100.0	DEDEDVAsPDGLGRL	S13;	High	2669.213241	0.24	12.08	0.6	21.5	2	2	49.47	High	1	5.928350449	High	0.6307	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S994	1.05	1.61	QSHSGSIsPYPK	1	1	3	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	S(2): 0.0; S(4): 0.0; S(6): 0.0; S(8): 100.0; Y(10): 0.0	QSHSGSIsPYPKVKA	S8;	High	1825.924986					1	1	49.46	High	0.3061	5.663648605	High	0.1555	Yes
NP_002408.3	4288	103472005	MKI67	antigen KI-67 isoform 1 [Homo sapiens]	S308	0.9	1.04	SGGSGHAVAEPAsPEQELDQNK	1	1	2	0	2ﾗTMT6plex [N-Term; K22]; 1ﾗPhospho [S13(100)]	S13(Phospho): 100	S(1): 0.0; S(4): 0.0; S(13): 100.0	HAVAEPAsPEQELDQ	S13;	High	2746.308538					1	1	49.46	High	0.7143	4.712296009	High	0.6136	Yes
NP_065897.1	57606	149588928	SLAIN2	SLAIN motif-containing protein 2 [Homo sapiens]	S63	0.88	0.9	AGASIPSSGAAsPR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S12(100)]	S12(Phospho): 100	S(4): 0.0; S(7): 0.0; S(8): 0.0; S(12): 100.0	IPSSGAAsPRGFPLG	S12;	High	1537.757303	41.64	33.58	55.5	44.5	2	2	49.46	High	0.4898	4.191418171	High	0.1193	Yes
NP_079031.2	79811	63176611	SLTM	SAFB-like transcription modulator isoform a [Homo sapiens]	S1002	1.77	1.03	AGAGMITQHSSNAsPINR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M5(100)]; 1ﾗDeamidated [N/Q]; 1ﾗPhospho [S14(98.7)]	M5(Oxidation): 100; N12(Deamidated): 50.61; S14(Phospho): 98.72; N17(Deamidated): 49.39	T(7): 0.0; S(10): 0.0; S(11): 1.3; S(14): 98.7	TQHSSNAsPINRIVQ	S14;	High	2137.989899					1	1	49.45	High	0.0408	4.435139656	High	0.009	Yes
NP_056345.3	26003	29826294	GORASP2	Golgi reassembly-stacking protein 2 isoform 1 [Homo sapiens]	S451	1.28	1.28	VGDSTPVSEKPVSAAVDANASEsP	1	2	4	0	2ﾗTMT6plex [N-Term; K10]; 1ﾗPhospho [S23(100)]	S23(Phospho): 100	S(4): 0.0; T(5): 0.0; S(8): 0.0; S(13): 0.0; S(21): 0.0; S(23): 100.0	VDANASEsP_	S23;	High	2852.396684	31.88	4.4	63.1	8	2	2	49.42	High	0.0612	6.25602293	High	0.123	Yes
NP_008998.1	11143	5901962	KAT7	histone acetyltransferase KAT7 isoform 1 [Homo sapiens]	S57	0.48	1.35	LSQSSQDSsPVR	1	3	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S9(100)]	S9(Phospho): 99.99	S(2): 0.0; S(4): 0.0; S(5): 0.0; S(8): 0.0; S(9): 100.0	SQSSQDSsPVRNLQS	S9;	High	1599.757696					1	1	49.42	High	0.2653	3.844215155	High	0.0104	Yes
NP_065811.1	57520	55741473	HECW2	E3 ubiquitin-protein ligase HECW2 isoform 1 [Homo sapiens]	S1042	1.31	0.91	SHsAGEVGEDSR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(11): 0.0	LTRQRSHsAGEVGED	S3;	High	1539.663796	40.31	21.04	86.2	27.5	2	2	49.41	High	0.1837	3.891210079	High	0.126	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1382; S1387	1.07	0.62	SSGHsSSELsPDAVEK	1	1	8	0	2ﾗTMT6plex [N-Term; K16]; 2ﾗPhospho [S5(100); S10(100)]	S5(Phospho): 99.98; S10(Phospho): 100	S(1): 0.0; S(2): 0.0; S(5): 100.0; S(6): 0.0; S(7): 0.0; S(10): 100.0	STRSSGHsSSELSPD;GHSSSELsPDAVEKA	S5; S10;	High	2234.99836					1	1	49.39	High	0.2653	6.183928013	High	0.0728	Yes;Yes
NP_444271.2	155435	151301053	RBM33	RNA-binding protein 33 [Homo sapiens]	S205	1.06	1.35	DIKEEsDEEEEDDEESGR	1	1	2	1	2ﾗTMT6plex [N-Term; K3]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(16): 0.0	QKDIKEEsDEEEEDD	S6;	High	2678.12421					1	1	49.37	High	0.6735	5.297956467	High	0.383	Yes
NP_008945.2	11060	40806207	WWP2	NEDD4-like E3 ubiquitin-protein ligase WWP2 isoform WWP2-FL [Homo sapiens]	S211	0.95	0.91	TTPATGEQsPGAR	1	3	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	T(1): 0.0; T(2): 0.0; T(5): 0.0; S(9): 100.0	TPATGEQsPGARSRH	S9;	High	1581.747132	3.93	0.86	6.5	1.4	3	3	49.37	High	0.5102	4.54957819	High	0.2901	Yes
NP_004517.2	4171	33356547	MCM2	DNA replication licensing factor MCM2 [Homo sapiens]	S139	0.85	1.62	GLLYDsDEEDEERPAR	1	1	7	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	Y(4): 0.0; S(6): 100.0	RRGLLYDsDEEDEER	S6;	High	2202.975353	27.39	37.27	33.7	103.8	2	2	49.35	High	0.7551	5.775303364	High	0.0779	Yes
NP_001104490.1	6829	161169023	SUPT5H	transcription elongation factor SPT5 isoform a [Homo sapiens]	S666	1.33	0.5	DVTNFTVGGFAPMsPR	1	2	8	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M13(100)]; 1ﾗPhospho [S14(100)]	M13(Oxidation): 100; S14(Phospho): 100	T(3): 0.0; T(6): 0.0; S(14): 100.0	VGGFAPMsPRISSPM	S14;	High	2020.940095	21.91	77.91	53.7	59.1	3	2	49.35	High	0.6327	5.701243401	High	0.4421	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1083	1.11	1.11	QSHSEsPSLQSK	1	1	2	0	2ﾗTMT6plex [N-Term; K12]; 2ﾗDeamidated [Q1(100); Q10(100)]; 1ﾗPhospho [S6(100)]	Q1(Deamidated): 100; S6(Phospho): 100; Q10(Deamidated): 100	S(2): 0.0; S(4): 0.0; S(6): 100.0; S(8): 0.0; S(11): 0.0	VRQSHSEsPSLQSKS	S6;	High	1854.88866					1	1	49.31	High	0.3061	4.727422714	High	0.1459	Yes
NP_005430.1	8079	4885487	MLF2	myeloid leukemia factor 2 [Homo sapiens]	S238	1.56	2.46	LAIQGPEDsPSR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0; S(11): 0.0	AIQGPEDsPSRQSRR	S9;	High	1578.772618					1	1	49.28	High	0.449	3.428287029	High	0.1399	Yes
NP_072096.2	64599	92087055	GIGYF1	PERQ amino acid-rich with GYF domain-containing protein 1 [Homo sapiens]	S24	1.54	0.55	ALSGGGSVAsPPPSPAMPK	1	1	3	0	2ﾗTMT6plex [N-Term; K19]; 1ﾗOxidation [M17(100)]; 1ﾗPhospho [S10(97.8)]	S10(Phospho): 97.81; M17(Oxidation): 100	S(3): 0.0; S(7): 2.2; S(10): 97.8; S(14): 0.0	SGGGSVAsPPPSPAM	S10;	High	2262.160541					1	1	49.27	High	0.0408	3.725332737	High	0.1528	Yes
NP_003474.1	8091	4504431	HMGA2	high mobility group protein HMGI-C isoform a [Homo sapiens]	S101; S102	3.02	2.28	KPAQEETEETssQESAEED	1	1	18	0	2ﾗTMT6plex [N-Term; K]; 2ﾗPhospho [S11(98.5); S12(100)]	S11(Phospho): 98.47; S12(Phospho): 99.95	T(7): 0.0; T(10): 1.6; S(11): 98.5; S(12): 100.0; S(15): 0.0	QEETEETsSQESAEE;EETEETSsQESAEED	S11; S12;	High	2742.132012	1.45	9.24	9.8	49.9	5	5	49.27	High	0.1429	3.485523701	High	0.0029	Yes;Yes
NP_872363.1	283149	32698936	BCL9L	B-cell CLL/lymphoma 9-like protein [Homo sapiens]	T129	1.53	1.49	EAGtPSLDSEAK	1	1	2	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [T4(100)]	T4(Phospho): 100	T(4): 100.0; S(6): 0.0; S(9): 0.0	GEQREAGtPSLDSEA	T4;	High	1742.861382					1	1	49.27	High	0.2449	2.934353113	High	0.1638	Yes
NP_005900.2	4131	153945728	MAP1B	microtubule-associated protein 1B [Homo sapiens]	S1793; S1797	0.57	2.98	ESsPLYsPTFSDSTSAVK	1	1	8	0	2ﾗTMT6plex [N-Term; K18]; 2ﾗPhospho [S3(98.8); S7(98.8)]	S3(Phospho): 98.78; S7(Phospho): 98.78	S(2): 1.2; S(3): 98.8; Y(6): 0.0; S(7): 98.8; T(9): 1.2; S(11): 0.0; S(13): 0.0; T(14): 0.0; S(15): 0.0	PLTPRESsPLYSPTF;RESSPLYsPTFSDST	S3; S7;	High	2521.155255	107.3	2.24	105.4	9.5	2	2	49.26	High	0.102	4.810769081	High	0.237	Yes;Yes
NP_001243241.1	6788	372622373	STK3	serine/threonine-protein kinase 3 isoform 2 [Homo sapiens]	S344	0.57	0.69	ELEEEEENsDEDELDSHTMVK	1	3	2	0	2ﾗTMT6plex [N-Term; K21]; 1ﾗOxidation [M19(100)]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100; M19(Oxidation): 100	S(9): 100.0; S(16): 0.0; T(18): 0.0	LEEEEENsDEDELDS	S9;	High	3061.312088					1	1	49.26	High	0.4082	3.909561634	High	0.1995	No
NP_056085.1	112	10181096	ADCY6	adenylate cyclase type 6 isoform a [Homo sapiens]	S54	1	0.97	DAEPPsPTPAGPPR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 99.99	S(6): 100.0; T(8): 0.0	LRDAEPPsPTPAGPP	S6;	High	1697.809732					1	1	49.23	High	0.2449	3.507841587	High	0.0513	Yes
NP_002614.2	5203	12408677	PFDN4	prefoldin subunit 4 [Homo sapiens]	S125	2.7	0.58	FGsNINLEADES	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(12): 0.0	QLYAKFGsNINLEAD	S3;	High	1604.704264					1	1	49.23	High	1	3.193095684	High	0.6301	Yes
NP_937818.1	4830	38045913	NME1	nucleoside diphosphate kinase A isoform a [Homo sapiens]	S145	0.67	0.76	NIIHGsDSVESAEK	1	2	2	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(8): 0.0; S(11): 0.0	GRNIIHGsDSVESAE	S6;	High	2024.010172					1	1	49.19	High	0.3061	4.770889759	High	0.13	No
NP_008841.2	5930	33620769	RBBP6	E3 ubiquitin-protein ligase RBBP6 isoform 1 [Homo sapiens]	S1277	0.81	1.2	KVTGTEGSSSTLVDYTSTSSTGGsPVR	1	2	2	1	2ﾗTMT6plex [N-Term; K]; 1ﾗPhospho [S24(94.8)]	S24(Phospho): 94.84	T(3): 0.0; T(5): 0.0; S(8): 0.0; S(9): 0.0; S(10): 0.0; T(11): 0.0; Y(15): 0.0; T(16): 0.0; S(17): 0.0; T(18): 0.0; S(19): 1.7; S(20): 1.7; T(21): 1.7; S(24): 94.8	STSSTGGsPVRKSEE	S24;	High	3199.577168					1	1	49.19	High	0.1429	4.018994331	High	0.0721	Yes
NP_060621.3	55183	56676335	RIF1	telomere-associated protein RIF1 isoform 1 [Homo sapiens]	S2161	1.46	0.46	ELDPSLVSANDsPSGMQTR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M16(100)]; 1ﾗPhospho [S12(100)]	S12(Phospho): 100; M16(Oxidation): 100	S(5): 0.0; S(8): 0.0; S(12): 100.0; S(14): 0.0; T(18): 0.0	SLVSANDsPSGMQTR	S12;	High	2329.058037					1	1	49.17	High	0.2857	3.056251287	High	0.0719	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_001231931.1	4782	350529396	NFIC	nuclear factor 1 C-type isoform 1 [Homo sapiens]	S323	0.96	0.42	NWTEDMEGGISsPVK	1	5	2	0	2×TMT6plex [N-Term; K15]; 1×Oxidation [M6(100)]; 1×Phospho [S12(100)]	M6(Oxidation): 100; S12(Phospho): 99.98	T(3): 0.0; S(11): 0.0; S(12): 100.0	DMEGGISsPVKKTEM	S12;	High	2204.034672					1	1	49.16	High	0.0816	3.498915911	High	0.0571	Yes
NP_001894.2	1495	55770844	CTNNA1	catenin alpha-1 isoform 1 [Homo sapiens]	T658	0.87	0.85	SRTSVQtEDDQLIAGQSAR	1	11	3	1	1×TMT6plex [N-Term]; 2×Phospho [T7(100); T/S]	T3(Phospho): 49.6; S4(Phospho): 49.6; T7(Phospho): 100	S(1): 0.8; T(3): 49.6; S(4): 49.6; T(7): 100.0; S(17): 0.0	RSRTSVQtEDDQLIA	T7;	High	2451.111543					1	1	49.15	High	0.0204	5.47302103	High	0.2815	Yes
NP_057225.2	51143	166795297	DYNC1LI1	cytoplasmic dynein 1 light intermediate chain 1 [Homo sapiens]	S207	0.32	1.98	DFQEYVEPGEDFPAsPQR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S15(100)]	S15(Phospho): 100	Y(5): 0.0; S(15): 100.0	PGEDFPAsPQRRNTA	S15;	High	2420.064502					1	1	49.15	High	0.898	3.81310463	High	0.643	Yes
NP_996790.3	5562	94557299	PRKAA1	5'-AMP-activated protein kinase catalytic subunit alpha-1 isoform 2 [Homo sapiens]	S523	0.91	1.12	SDsDAEAQGK	1	2	4	0	2×TMT6plex [N-Term; K10]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0	RSCQRSDsDAEAQGK	S3;	High	1545.719803	20.48	1.32	26.7	2.1	2	2	49.13	High	0.5918	3.890977621	High	0.1234	No
NP_001245303.1	58513	385428859	EPS15L1	epidermal growth factor receptor substrate 15-like 1 isoform 1 [Homo sapiens]	S255	1.3	0.44	STPSHGSVSSLNSTGSLsPK	1	4	2	0	2×TMT6plex [N-Term; K20]; 1×Deamidated [N12(100)]; 1×Phospho [S18(100)]	N12(Deamidated): 100; S18(Phospho): 100	S(1): 0.0; T(2): 0.0; S(4): 0.0; S(7): 0.0; S(9): 0.0; S(10): 0.0; S(13): 0.0; T(14): 0.0; S(16): 0.0; S(18): 100.0	LNSTGSLsPKHSLKQ	S18;	High	2469.227435					1	1	49.11	High	0.2245	5.508080482	High	0.078	Yes
NP_001025226.1	394	71834863	ARHGAP5	rho GTPase-activating protein 5 isoform a [Homo sapiens]	S1176	0.73	0.7	RTHSDAsDDEAFTTSK	1	2	2	1	2×TMT6plex [N-Term; K16]; 2×Phospho [S7(100); T/S]	T2(Phospho): 50; S4(Phospho): 50; S7(Phospho): 100	T(2): 50.0; S(4): 50.0; S(7): 100.0; T(13): 0.0; T(14): 0.0; S(15): 0.0	RRTHSDAsDDEAFTT	S7;	High	2386.036537					1	1	49.11	High	0.0612	4.497993946	High	0.4444	Yes
NP_112738.1	3184	14110420	HNRNPD	heterogeneous nuclear ribonucleoprotein D0 isoform a [Homo sapiens]	S190	1.05	1.48	IFVGGLsPDTPEEK	1	4	3	0	2×TMT6plex [N-Term; K14]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; T(10): 0.0	KIFVGGLsPDTPEEK	S7;	High	2027.050246					1	1	49.11	High	0.4898	3.536986113	High	0.1949	Yes
NP_009185.2	11284	31543419	PNKP	bifunctional polynucleotide phosphatase/kinase [Homo sapiens]	T118	1.21	1.55	WEETRTPESQPDtPPGTPLVSQDEK	1	1	5	1	2×TMT6plex [N-Term; K25]; 1×Phospho [T13(100)]	T13(Phospho): 100	T(4): 0.0; T(6): 0.0; S(9): 0.0; T(13): 100.0; T(17): 0.0; S(21): 0.0	TPESQPDtPPGTPLV	T13;	High	3362.619367					1	1	49.11	High	0.7143	2.908564806	High	0.1821	Yes
NP_006283.1	7251	5454140	TSG101	tumor susceptibility gene 101 protein [Homo sapiens]	T220	1.38	2.07	DGtISEDTIR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; S(5): 0.0; T(8): 0.0	VGPSRDGtISEDTIR	T3;	High	1415.661671					1	1	49.09	High	0.5714	3.170709133	High	0.205	Yes
NP_068799.2	7707	145386566	ZNF148	zinc finger protein 148 [Homo sapiens]	S306	0.87	1.07	GGLLTSEEDSGFSTsPK	1	1	4	0	2×TMT6plex [N-Term; K17]; 1×Phospho [S15(100)]	S15(Phospho): 100	T(5): 0.0; S(6): 0.0; S(10): 0.0; S(13): 0.0; T(14): 0.0; S(15): 100.0	EDSGFSTsPKDNSLP	S15;	High	2250.094295					1	1	49.07	High	0.2653	4.504292488	High	0.0911	Yes
NP_001157789.1	2317	256222411	FLNB	filamin-B isoform 1 [Homo sapiens]	S2138	0.26	13.85	APsVATVGSICDLNLK	1	4	2	0	2×TMT6plex [N-Term; K16]; 1×Carbamidomethyl [C11]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(6): 0.0; S(9): 0.0	TRTSRAPsVATVGSI	S3;	High	2183.154728					1	1	49.07	High	0.0816	3.723638535	High	0.1317	No
NP_005091.2	9590	21493022	AKAP12	A-kinase anchor protein 12 isoform 1 [Homo sapiens]	T285	0.72	3.05	SAESPtSPVTSETGSTFK	1	2	10	0	2×TMT6plex [N-Term; K18]; 1×Phospho [S4(98.6)]	T6(Phospho): 95.05	S(1): 1.6; S(4): 1.6; T(6): 95.1; S(7): 1.6; T(10): 0.0; S(11): 0.0; T(13): 0.0; S(15): 0.0; T(16): 0.0	SKSAESPtSPVTSET	T6;	High	2351.141973	110.77		161.7		2	1	49.07	High	0.0612	3.660052538	High	0.0027	Yes
NP_071353.4	63897	109715835	HEATR6	HEAT repeat-containing protein 6 [Homo sapiens]	S643	1.12	0.78	KAPAGPSLEETSVSsPK	1	1	4	1	3×TMT6plex [N-Term; K17; K]; 1×Phospho [S15(100)]	S15(Phospho): 99.96	S(7): 0.0; T(11): 0.0; S(12): 0.0; S(14): 0.0; S(15): 100.0	LEETSVSsPKGSSEP	S15;	High	2452.330332	14.11	6.96	22.5	7.7	2	2	49.04	High	0.0612	5.814194202	High	0.0327	Yes
NP_067643.3	64236	311771772	PDLIM2	PDZ and LIM domain protein 2 isoform 2 [Homo sapiens]	S447	0.49	0.7	AGDSAVLVLPPsPGPR	1	3	11	0	1×TMT6plex [N-Term]; 1×Phospho [S12(100)]	S12(Phospho): 100	S(4): 0.0; S(12): 100.0	AVLVLPPsPGPRSSR	S12;	High	1841.972381	9.13	27.87	8.9	45.8	4	5	49.04	High	1	4.891142368	High	0.6421	No
NP_001894.2	1495	55770844	CTNNA1	catenin alpha-1 isoform 1 [Homo sapiens]	S641; S652	0.71	0.68	TPEELDDsDFETEDFDVRsR	1	5	4	1	1×TMT6plex [N-Term]; 2×Phospho [S8(100); S19(100)]	S8(Phospho): 100; S19(Phospho): 100	T(1): 0.0; S(8): 100.0; T(12): 0.0; S(19): 100.0	TPEELDDsDFETEDF;TEDFDVRsRTSVQTE	S8; S19;	High	2791.122227					1	1	49.04	High	0.4286	4.826095104	High	0.3789	Yes;Yes
NP_004629.3	7916	314122241	PRRC2A	protein PRRC2A [Homo sapiens]	S761	1.25	0.84	ERSDsGGSSSEPFDR	1	1	4	1	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(3): 0.0; S(5): 100.0; S(8): 0.0; S(9): 0.0; S(10): 0.0	VPRERSDsGGSSSEP	S5;	High	1921.812645	3.71	13.86	6.6	16.6	2	2	49.04	High	0.2041	4.077390194	High	0.0025	Yes
NP_543010.3	92675	30795227	DTD1	D-tyrosyl-tRNA(Tyr) deacylase 1 [Homo sapiens]	S205	0.65	0.71	SASSGAEGDVSsEREP	1	1	14	1	1×TMT6plex [N-Term]; 1×Phospho [S4(99.1)]	S12(Phospho): 98.8	S(1): 0.0; S(3): 0.0; S(4): 0.0; S(11): 1.2; S(12): 98.8	GAEGDVSsEREP_	S12;	High	1873.801412	13.59	3.97	17.8	5.6	4	4	49.03	High	0.102	5.952973843	High	0.0168	Yes
NP_001104026.1	2316	160420317	FLNA	filamin-A isoform 2 [Homo sapiens]	S1084	0.72	0.58	AFGPGLQGGSAGsPAR	1	2	5	0	1×TMT6plex [N-Term]; 1×Phospho [S13(100)]	S13(Phospho): 100	S(10): 0.0; S(13): 100.0	LQGGSAGsPARFTID	S13;	High	1738.847515	23.84	9.26	24.8	7.6	2	2	49	High	0.3061	4.495556355	High	0.16	Yes
NP_000480.3	546	530788276	ATRX	transcriptional regulator ATRX isoform 1 [Homo sapiens]	S875	0.86	0.81	TSQEGsSDDAER	1	2	3	0	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 99.99	T(1): 0.0; S(2): 0.0; S(6): 100.0; S(7): 0.0	LKTSQEGsSDDAERK	S6;	High	1590.648206					1	1	48.99	High	0.1224	3.331503391	High	0.024	Yes
NP_689876.2	55103	32441283	RALGPS2	ras-specific guanine nucleotide-releasing factor RalGPS2 isoform 1 [Homo sapiens]	S422	1.11	0.85	LYHsLGPVTR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	Y(2): 0.0; S(4): 100.0; T(9): 0.0	ERNRLYHsLGPVTRV	S4;	High	1451.760932					1	1	48.97	High	0.6122	4.466830254	High	0.2617	Yes
NP_001163887.1	9414	282165810	TJP2	tight junction protein ZO-2 isoform 3 [Homo sapiens]	S1190	0.64	1.75	GSYGsDAEEEEYR	1	5	2	0	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(2): 0.0; Y(3): 0.0; S(5): 100.0; Y(12): 0.0	DTRGSYGsDAEEEEY	S5;	High	1800.716285					1	1	48.93	High	0.4694	4.664005756	High	0.1803	No
NP_000866.1	3480	4557665	IGF1R	insulin-like growth factor 1 receptor isoform 1 precursor [Homo sapiens]	T1366	1.64	1.27	ALPLPQSStC	1	2	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C10]; 1×Phospho [T9(100)]	T9(Phospho): 100	S(7): 0.0; S(8): 0.0; T(9): 100.0	LPLPQSStC_	T9;	High	1382.658835					1	1	48.91	High	0.3469	2.928300142	High	0.1638	Yes
NP_001001132.1	6453	47717125	ITSN1	intersectin-1 isoform ITSN-s [Homo sapiens]	S315	0.7	2.08	SGsGISVISSTSVDQR	1	2	5	0	1×TMT6plex [N-Term]; 1×Phospho [S3(99)]	S3(Phospho): 98.96	S(1): 1.0; S(3): 99.0; S(6): 0.0; S(9): 0.0; S(10): 0.0; T(11): 0.0; S(12): 0.0	FRRVRSGsGISVISS	S3;	High	1888.921467					1	1	48.9	High	0.0408	4.655889511	High	0.0665	Yes
NP_005751.2	10153	42542392	CEBPZ	CCAAT/enhancer-binding protein zeta [Homo sapiens]	S629	1.79	0.91	SQLDDHPEsDDEENFIDANDDEDMEK	1	1	2	0	2×TMT6plex [N-Term; K26]; 1×Oxidation [M24(100)]; 1×Phospho [S9(100)]	S9(Phospho): 100; M24(Oxidation): 100	S(1): 0.0; S(9): 100.0	QLDDHPEsDDEENFI	S9;	High	3606.462727					1	1	48.88	High	0.5918	4.336279869	High	0.3894	Yes
NP_001128119.1	60312	197382472	AFAP1	actin filament-associated protein 1 isoform A [Homo sapiens]	S752	1.04	0.67	SGTSSPQsPVFR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(1): 0.0; T(3): 0.0; S(4): 0.0; S(5): 0.0; S(8): 100.0	SGTSSPQsPVFRHRT	S8;	High	1558.746404					1	1	48.84	High	0.2245	3.980020523	High	0.1482	No
NP_001258928.1	85440	431822375	DOCK7	dedicator of cytokinesis protein 7 isoform 1 [Homo sapiens]	S894	1.41	1.75	sRSLSNSNPDISGTPTSPDDEVR	1	4	4	1	1×TMT6plex [N-Term]; 2×Phospho [S1(98.3); S/T]	S1(Phospho): 98.28; S5(Phospho): 50; S7(Phospho): 50	S(1): 98.3; S(3): 1.7; S(5): 50.0; S(7): 50.0; S(12): 0.0; T(14): 0.0; T(16): 0.0; S(17): 0.0	ASLNLNRsRSLSNSN	S1;	High	2820.228758					1	1	48.81	High	0.102	5.810932636	High	0.0465	Yes
NP_001002814.2	80223	289547524	RAB11FIP1	rab11 family-interacting protein 1 isoform 3 [Homo sapiens]	S435	2.04	0.96	RSsLLSLMTGK	1	2	4	1	2×TMT6plex [N-Term; K11]; 1×Oxidation [M8(100)]; 1×Phospho [S3(98.5)]	S3(Phospho): 98.52; M8(Oxidation): 100	S(2): 1.5; S(3): 98.5; S(6): 0.0; T(9): 0.0	KPESRRSsLLSLMTG	S3;	High	1746.958929					1	1	48.81	High	0.7143	3.36162281	High	0.0327	Yes
NP_001122092.1	5058	190886457	PAK1	serine/threonine-protein kinase PAK 1 isoform 1 [Homo sapiens]	T230	0.59	1.2	DVATSPISPTENNTtPPDALTR	1	2	5	0	1×TMT6plex [N-Term]; 1×Phospho [T15(96.1)]	T15(Phospho): 96.06	T(4): 0.0; S(5): 0.0; S(8): 0.0; T(10): 1.9; T(14): 1.9; T(15): 96.1; T(21): 0.0	SPTENNTtPPDALTR	T15;	High	2606.254822					1	1	48.78	High	0.1633	4.066168785	High	0.0762	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	S349	1.7	2.82	GSLAsLDSLR	1	15	7	0	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(2): 0.0; S(5): 100.0; S(8): 0.0	HERGSLAsLDSLRKG	S5;	High	1327.682012	29.22	6.25	104.3	31.3	3	3	48.78	High	0.4898	3.428834677	High	0.3061	Yes
NP_001950.1	1933	4503477	EEF1B2	elongation factor 1-beta [Homo sapiens]	S106	6.06	0.8	YGPADVEDTTGSGATDSKDDDDIDLFGsDDEEESEEAK	1	1	2	1	3×TMT6plex [N-Term; K18; K38]; 1×Phospho [S28(100)]	S28(Phospho): 100	Y(1): 0.0; T(9): 0.0; T(10): 0.0; S(12): 0.0; T(15): 0.0; S(17): 0.0; S(28): 100.0; S(34): 0.0	DDIDLFGsDDEEESE	S28;	High	4792.077274					1	1	48.76	High	0.1837	4.457961559	High	0.1525	Yes
NP_997657.1	2873	47078238	GPS1	COP9 signalosome complex subunit 1 isoform 1 [Homo sapiens]	S510	0.78	0.7	SPPREGsQGELTPANSQSR	1	2	3	1	1×TMT6plex [N-Term]; 1×Deamidated [N15(98.4)]; 1×Phospho [S7(100)]	S7(Phospho): 100; N15(Deamidated): 98.35	S(1): 0.0; S(7): 100.0; T(12): 0.0; S(16): 0.0; S(18): 0.0	KSPPREGsQGELTPA	S7;	High	2308.076799	2.11	6.8	2.3	6.7	2	2	48.74	High	0.3878	3.728893518	High	0.1528	No
NP_005900.2	4131	153945728	MAP1B	microtubule-associated protein 1B [Homo sapiens]	S1427	2.66	1.8	GAEsPFEEK	1	1	4	0	2×TMT6plex [N-Term; K9]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	ASGRGAEsPFEEKSG	S4;	High	1531.744562	2.1	4.39	7.9	11.2	2	2	48.73	High	0.7551	2.894952059	High	0.4291	Yes
NP_997239.2	339448	224591399	C1orf174	UPF0688 protein C1orf174 [Homo sapiens]	S148	1.09	2.57	HSAGsGAEESNSSSTVQK	1	1	4	0	2×TMT6plex [N-Term; K18]; 1×Phospho [S5(98.8)]	S5(Phospho): 98.85	S(2): 1.2; S(5): 98.9; S(10): 0.0; S(12): 0.0; S(13): 0.0; S(14): 0.0; T(15): 0.0	VPKHSAGsGAEESNS	S5;	High	2301.076019					1	1	48.72	High	0.1633	3.010836601	High	0.0266	Yes
NP_055681.1	9919	124378039	SEC16A	protein transport protein Sec16A isoform 1 [Homo sapiens]	S2083	2.24	1.66	ADSGPTQPPLSLsPAPETK	1	2	5	0	2×TMT6plex [N-Term; K19]; 1×Deamidated [Q7(100)]; 1×Phospho [S13(100)]	Q7(Deamidated): 100; S13(Phospho): 100	S(3): 0.0; T(6): 0.0; S(11): 0.0; S(13): 100.0; T(18): 0.0	TQPPLSLsPAPETKR	S13;	High	2432.236209	11.34	29.73	37.1	79.2	2	2	48.71	High	0.0816	5.983902931	High	0.1204	Yes
NP_055263.2	27237	163792208	ARHGEF16	rho guanine nucleotide exchange factor 16 [Homo sapiens]	S230	0.46	0.86	GLNTSQEsDDDILDESSSPEGTQK	1	1	2	0	2×TMT6plex [N-Term; K24]; 1×Deamidated [Q23(100)]; 1×Phospho [S8(100)]	S8(Phospho): 100; Q23(Deamidated): 100	T(4): 0.0; S(5): 0.0; S(8): 100.0; S(16): 0.0; S(17): 0.0; S(18): 0.0; T(22): 0.0	GLNTSQEsDDDILDE	S8;	High	3091.38803					1	1	48.71	High	0.2245	3.841093779	High	0.1536	Yes
NP_057225.2	51143	166795297	DYNC1LI1	cytoplasmic dynein 1 light intermediate chain 1 [Homo sapiens]	S421	1.09	1.07	SVSSNVASVsPIPAGSK	1	1	2	0	2×TMT6plex [N-Term; K17]; 1×Phospho [S10(99)]	S10(Phospho): 99.03	S(1): 0.0; S(3): 0.0; S(4): 0.0; S(8): 1.0; S(10): 99.0; S(16): 0.0	SSNVASVsPIPAGSK	S10;	High	2125.130621					1	1	48.7	High	0.102	5.069176197	High	0.0947	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S390; S392	0.42	0.38	LRLsPsPTSQR	1	6	4	1	1×TMT6plex [N-Term]; 2×Phospho [S4(100); S6(98.9)]	S4(Phospho): 100; S6(Phospho): 100	S(4): 100.0; S(6): 100.0; T(8): 0.0; S(9): 0.0	EEERLRLsPSPTSQR;ERLRLSPsPTSQRSR	S4; S6;	High	1630.791654	28.27	29.7	20.9	19.5	3	3	48.7	High	0.3469	3.552509308	High	0.3521	Yes;Yes
NP_004044.3	705	51173724	BYSL	bystin [Homo sapiens]	S98	0.32	18.09	MPQDGsDDEDEEWPTLEK	1	1	5	0	2×TMT6plex [N-Term; K18]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; T(15): 0.0	PRMPQDGsDDEDEEW	S6;	High	2659.15228	102.17	0.73	48	18.9	2	2	48.66	High	0.898	3.819870472	High	0.5366	Yes
NP_001191065.1	4152	323462147	MBD1	methyl-CpG-binding domain protein 1 isoform 6 [Homo sapiens]	S297	0.81	0.81	RRPGAQPLPPPPPSQsPEPTEPHPR	1	11	2	1	1×TMT6plex [N-Term]; 1×Phospho [S16(100)]	S16(Phospho): 100	S(14): 0.0; S(16): 100.0; T(20): 0.0	PPPPPSQsPEPTEPH	S16;	High	3031.546468					1	1	48.65	High	0.3878	5.340361118	High	0.1142	Yes
NP_001015055.1	6242	62739179	RTKN	rhotekin isoform a [Homo sapiens]	S106	0.76	0.78	RPsDSGPPAER	1	3	12	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0	GKTSRRPsDSGPPAE	S3;	High	1477.699788	9.27	10.69	17.4	20.6	6	6	48.65	High	0.2041	4.950513363	High	0.1253	Yes
NP_001028725.1	92521	75750472	SPECC1	cytospin-B isoform 1 [Homo sapiens]	S863	1.58	0.1	TAPAAAVsPMQR	1	2	2	0	1×TMT6plex [N-Term]; 1×Oxidation [M10(100)]; 1×Phospho [S8(100)]	S8(Phospho): 100; M10(Oxidation): 100	T(1): 0.0; S(8): 100.0	TAPAAAVsPMQRHST	S8;	High	1524.744296					1	1	48.65	High	0.8163	3.605771542	High	0.7008	Yes
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	T223	1.3	0.95	KLSSWDQAEtPGHTPSLR	1	1	4	1	2×TMT6plex [N-Term; K]; 1×Phospho [T10(100)]	T10(Phospho): 100	S(3): 0.0; S(4): 0.0; T(10): 100.0; T(14): 0.0; S(16): 0.0	SSWDQAEtPGHTPSL	T10;	High	2548.296123	10.35	26.68	19.3	37.2	2	2	48.64	High	0.4694	6.699820042	High	0.1149	Yes
NP_060531.2	55119	166235169	PRPF38B	pre-mRNA-splicing factor 38B [Homo sapiens]	S529	0.72	0.64	SQsIEQESQEK	1	1	5	0	2×TMT6plex [N-Term; K11]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(8): 0.0	HDRRRSQsIEQESQE	S3;	High	1830.88866	7.83	16.33	8	14.9	2	2	48.64	High	0.3469	5.259495258	High	0.0171	Yes
NP_000977.1	6152	4506619	RPL24	60S ribosomal protein L24 [Homo sapiens]	S86	0.59	0.43	AITGAsLADIMAK	1	1	7	0	2×TMT6plex [N-Term; K13]; 1×Oxidation [M11(100)]; 1×Phospho [S6(100)]	S6(Phospho): 100; M11(Oxidation): 100	T(3): 0.0; S(6): 100.0	QRAITGAsLADIMAK	S6;	High	1815.969159	27.4	51.66	28.6	32	3	2	48.63	High	0.4082	4.47815609	High	0.1362	Yes
NP_055927.2	23139	112363080	MAST2	microtubule-associated serine/threonine-protein kinase 2 [Homo sapiens]	S148	1.01	0.85	NQSLGQsAPSLTAGLK	1	1	6	0	2×TMT6plex [N-Term; K16]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(3): 0.0; S(7): 100.0; S(10): 0.0; T(12): 0.0	RNQSLGQsAPSLTAG	S7;	High	2110.130955					1	1	48.61	High	0.3061	3.933439732	High	0.0941	Yes
NP_065812.1	57521	22094987	RPTOR	regulatory-associated protein of mTOR isoform 1 [Homo sapiens]	S859; S863	0.88	0.48	VLDTSSLTQsAPAsPTNK	1	2	2	0	2×TMT6plex [N-Term; K18]; 2×Phospho [S10(100); S14(100)]	S10(Phospho): 100; S14(Phospho): 100	T(4): 0.0; S(5): 0.0; S(6): 0.0; T(8): 0.0; S(10): 100.0; S(14): 100.0; T(16): 0.0	DTSSLTQsAPASPTN;LTQSAPAsPTNKGVH	S10; S14;	High	2435.187224					1	1	48.58	High	0.4694	6.11041832	High	0.1686	Yes;Yes
NP_060621.3	55183	56676335	RIF1	telomere-associated protein RIF1 isoform 1 [Homo sapiens]	S1688	0.89	1.53	RDsFDNCSLGESSK	1	2	2	1	2×TMT6plex [N-Term; K14]; 1×Carbamidomethyl [C7]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(8): 0.0; S(12): 0.0; S(13): 0.0	KRLHKRDsFDNCSLG	S3;	High	2139.97822					1	1	48.58	High	0.5714	5.252471447	High	0.3105	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	T59	2.05	1.66	VSPQDANPLMANGtLTR	1	5	3	0	1×TMT6plex [N-Term]; 1×Oxidation [M10(100)]; 1×Phospho [T14(100)]	M10(Oxidation): 100; T14(Phospho): 100	S(2): 0.0; T(14): 100.0; T(16): 0.0	NPLMANGtLTRRHQN	T14;	High	2110.020136					1	1	48.56	High	0.2245	3.717526436	High	0.0296	Yes
NP_004447.2	2146	21361095	EZH2	histone-lysine N-methyltransferase EZH2 isoform a [Homo sapiens]	T492	1.24	1.89	ESSIIAPAPAEDVDtPPR	1	5	2	0	1×TMT6plex [N-Term]; 1×Phospho [T15(100)]	T15(Phospho): 100	S(2): 0.0; S(3): 0.0; T(15): 100.0	APAEDVDtPPRKKKR	T15;	High	2174.057961					1	1	48.56	High	0.7959	2.866716862	High	0.6969	No
NP_001074324.1	5829	170932514	PXN	paxillin isoform 2 [Homo sapiens]	S303	1.12	0.94	SsPGGQDEGGFMAQGK	1	1	4	0	2×TMT6plex [N-Term; K16]; 1×Oxidation [M12(100)]; 1×Phospho [S2(98.6)]	S2(Phospho): 98.55; M12(Oxidation): 100	S(1): 1.5; S(2): 98.6	PRDGGRSsPGGQDEG	S2;	High	2106.956756					1	1	48.55	High	1	4.741109371	High	0.019	Yes
NP_001234918.1	4253	350994423	CTAGE5	cTAGE family member 5 isoform 6 [Homo sapiens]	S527	2.34	1.7	EHSPYGPsPLGWPSSETR	1	5	2	0	1×TMT6plex [N-Term]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(3): 0.0; Y(5): 0.0; S(8): 100.0; S(14): 0.0; S(15): 0.0; T(17): 0.0	EHSPYGPsPLGWPSS	S8;	High	2293.048793					1	1	48.53	High	0	4.343935013	High	0	No
NP_003989.2	4790	34577122	NFKB1	nuclear factor NF-kappa-B p105 subunit isoform 1 [Homo sapiens]	S908	1.38	0.76	TTSQAHSLPLsPASTR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S11(97.6)]	S11(Phospho): 97.62	T(1): 0.0; T(2): 0.0; S(3): 0.0; S(7): 0.0; S(11): 97.6; S(14): 1.2; T(15): 1.2	QAHSLPLsPASTRQQ	S11;	High	1962.984736					1	1	48.52	High	0.3061	5.230247974	High	0.0918	No
NP_002604.1	5170	4505695	PDPK1	3-phosphoinositide-dependent protein kinase 1 isoform 1 [Homo sapiens]	S241	1.69	1.34	ANsFVGTAQYVSPELLTEK	1	3	3	0	2×TMT6plex [N-Term; K19]; 1×Phospho [S3(100)]	S3(Phospho): 99.98	S(3): 100.0; T(7): 0.0; Y(10): 0.0; S(12): 0.0; T(17): 0.0	SKQARANsFVGTAQY	S3;	High	2592.336257					1	1	48.45	High	0.0833	2.949975729	High	0.2136	Yes
NP_056342.3	26000	167614488	TBC1D10B	TBC1 domain family member 10B [Homo sapiens]	S22	0.61	0.79	HGAPAAPsPPPR	1	1	4	0	1×TMT6plex [N-Term]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(8): 100.0	HGAPAAPsPPPRGSR	S8;	High	1463.735779	44.06	12.84	39.6	14.3	2	2	48.43	High	0.9375	5.182753086	High	0.6718	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_891554.1	79778	33667117	MICALL2	MICAL-like protein 2 [Homo sapiens]	S249	1.1	0.77	ATGEPGTFVCTSHLPAAASAsPK	1	1	5	0	2×TMT6plex [N-Term; K23]; 1×Carbamidomethyl [C10]; 1×Phospho [S21(100)]	S21(Phospho): 99.98	T(2): 0.0; T(7): 0.0; T(11): 0.0; S(12): 0.0; S(19): 0.0; S(21): 100.0	LPAAASAsPKLTGLV	S21;	High	2795.383952	26.71	1.55	43.6	1.7	2	2	48.42	High	0.1458	6.596024513	High	0.0894	Yes
NP_006087.2	10397	37655183	NDRG1	protein NDRG1 isoform 1 [Homo sapiens]	T328; S330	1.19	0.92	SRtAsGSSVTSLDGTR	1	3	5	1	1×TMT6plex [N-Term]; 2×Phospho [T3(100); S5(100)]	T3(Phospho): 99.98; S5(Phospho): 100	S(1): 0.0; T(3): 100.0; S(5): 100.0; S(7): 0.0; S(8): 0.0; T(10): 0.0; S(11): 0.0; T(15): 0.0	TRLMRSRtASGSSVT;LMRSRTAsGSSVTSL	T3; S5;	High	1970.878296	11.08	18.53	18.8	24.5	2	2	48.42	High	0.4583	5.012535572	High	0.2236	Yes;Yes
NP_073605.4	64783	47933339	RBM15	putative RNA-binding protein 15 isoform 1 [Homo sapiens]	S127	1.38	0.89	LHSYsSPSTK	1	2	9	0	2×TMT6plex [N-Term; K10]; 1×Phospho [S5(98.3)]	S5(Phospho): 98.33	S(3): 0.8; Y(4): 0.0; S(5): 98.3; S(6): 0.8; S(8): 0.0; T(9): 0.0	SSRLHSYsSPSTKNS	S5;	High	1644.839859	2.97	0.14	5.8	0.2	2	2	48.42	High	0.1667	4.381900787	High	0.0411	Yes
NP_055313.1	27333	7657138	GOLIM4	Golgi integral membrane protein 4 isoform 1 [Homo sapiens]	Y673	1.06	1.13	GREEHyEEEEEEEEDGAAVAEK	1	2	2	1	2×TMT6plex [N-Term; K22]; 1×Phospho [Y6(100)]	Y6(Phospho): 100	Y(6): 100.0	PKGREEHyEEEEEEE	Y6;	High	3102.346499					1	1	48.41	High	1	4.369025707	High	0.5973	Yes
NP_004406.2	1832	58530840	DSP	desmoplakin isoform I [Homo sapiens]	S176	0.07	0.29	GGGGYTCQsGSGWDEFTK	1	2	7	0	2×TMT6plex [N-Term; K18]; 1×Carbamidomethyl [C7]; 1×Phospho [S9(100)]	S9(Phospho): 100	Y(5): 0.0; T(6): 0.0; S(9): 100.0; S(11): 0.0; T(17): 0.0	GGGYTCQsGSGWDEF	S9;	High	2432.063012	786.02	108.1	91.4	46.8	2	2	48.34	High	0.375	5.349145412	High	0.1028	Yes
NP_001254507.1	26092	389886539	TOR1AIP1	torsin-1A-interacting protein 1 isoform 1 [Homo sapiens]	S316	0.89	1.31	SELGNQsPSTSSR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(1): 0.0; S(7): 100.0; S(9): 0.0; T(10): 0.0; S(11): 0.0; S(12): 0.0	KSELGNQsPSTSSRQ	S7;	High	1658.758425					1	1	48.33	High	0.0625	3.693322182	High	0.1003	No
NP_056988.3	9669	84043963	EIF5B	eukaryotic translation initiation factor 5B [Homo sapiens]	S135; S137	1.57	0.45	VEMYsGsDDDDDFNKLPK	1	1	2	1	3×TMT6plex [N-Term; K15; K18]; 1×Oxidation [M3(100)]; 2×Phospho [S5(100); S7(100)]	M3(Oxidation): 100; S5(Phospho): 100; S7(Phospho): 100	Y(4): 0.0; S(5): 100.0; S(7): 100.0	KPKVEMYsGSDDDDD;KVEMYSGsDDDDDFN	S5; S7;	High	2938.307364					1	1	48.3	High	0.2708	4.783511639	High	0.1046	Yes;Yes
NP_001269846.1	57148	544711130	RALGAPB	ral GTPase-activating protein subunit beta isoform 1 [Homo sapiens]	T379	2.05	2.21	LSMPQSAAVSTtPPHNR	1	2	2	0	1×TMT6plex [N-Term]; 1×Oxidation [M3(100)]; 1×Phospho [T12(100)]	M3(Oxidation): 100; T12(Phospho): 99.97	S(2): 0.0; S(6): 0.0; S(10): 0.0; T(11): 0.0; T(12): 100.0	QSAAVSTtPPHNRRH	T12;	High	2119.02047					1	1	48.29	High	0.1667	6.191906452	High	0.0549	Yes
NP_963293.1	57447	42544211	NDRG2	protein NDRG2 isoform a [Homo sapiens]	S332	0.5	0.36	TAsLTSAASVDGNR	1	6	5	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; T(5): 0.0; S(6): 0.0; S(9): 0.0	LSRSRTAsLTSAASV	S3;	High	1658.79481	33.11	20.04	23.6	10.3	2	2	48.22	High	0.2917	3.577588558	High	0.0642	Yes
NP_037418.3	29890	54607124	RBM15B	putative RNA-binding protein 15B [Homo sapiens]	S609	1.46	0.72	TTHsPYEER	1	1	7	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	T(1): 0.0; T(2): 0.0; S(4): 100.0; Y(6): 0.0	DRGRTTHsPYEERSR	S4;	High	1428.635791	1.7	8.65	4.3	10.8	3	3	48.21	High	0.5	4.171817303	High	0.2014	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1620; S1621	1.43	0.66	ASRVPssDEEVVEEPQSR	1	1	2	1	1×TMT6plex [N-Term]; 1×Deamidated [Q16(100)]; 2×Phospho [S6(100); S7(100)]	S6(Phospho): 100; S7(Phospho): 100; Q16(Deamidated): 100	S(2): 0.0; S(6): 100.0; S(7): 100.0; S(17): 0.0	PRASRVPsSDEEVVE;RASRVPSsDEEVVEE	S6; S7;	High	2391.031562					1	1	48.18	High	0.4583	5.954184055	High	0.2723	Yes;Yes
NP_848927.2	92140	223555917	MTDH	protein LYRIC [Homo sapiens]	S457	0.42	0.99	QGEDNsTAQDTEELEK	1	1	3	0	2×TMT6plex [N-Term; K16]; 1×Phospho [S6(100)]	S6(Phospho): 99.99	S(6): 100.0; T(7): 0.0; T(11): 0.0	KKQGEDNsTAQDTEE	S6;	High	2332.059366					1	1	48.18	High	0.0208	4.06812191	High	0.0811	Yes
NP_001185923.1	65220	312222777	NADK	NAD kinase isoform 2 [Homo sapiens]	S48	0.59	0.8	SLsASPALGSTK	1	2	2	0	2×TMT6plex [N-Term; K12]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(5): 0.0; S(10): 0.0; T(11): 0.0	RAKSRSLsASPALGS	S3;	High	1656.897374					1	1	48.14	High	0.4167	3.266500711	High	0.2171	Yes
NP_065883.1	57592	24308227	ZNF687	zinc finger protein 687 [Homo sapiens]	S1057	0.79	0.9	HGLQLGAQsPGR	1	1	5	0	1×TMT6plex [N-Term]; 1×Phospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	GLQLGAQsPGRGTTL	S9;	High	1529.778707	6.06	1.36	8.4	2.1	3	3	48.13	High	1	5.330883503	High	0.7129	Yes
NP_001035897.1	1201	109698601	CLN3	battenin isoform a [Homo sapiens]	S12	0.87	0.76	RFsDSEGEETVPEPR	1	2	4	1	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; T(10): 0.0	AGSRRRFsDSEGEET	S3;	High	2043.922195	21.06	19.64	26.3	21.5	2	2	48.12	High	0.3542	4.509434223	High	0.1375	Yes
NP_065147.1	57062	9966805	DDX24	ATP-dependent RNA helicase DDX24 [Homo sapiens]	S82	1.16	1.12	AQAVsEEEEEEEGKSSSPK	1	1	2	1	3×TMT6plex [N-Term; K14; K19]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(15): 0.0; S(16): 0.0; S(17): 0.0	KRKAQAVsEEEEEEE	S5;	High	2817.364605					1	1	48.09	High	0.8958	4.943934441	High	0.5202	Yes
NP_002220.1	3726	4504809	JUNB	transcription factor jun-B [Homo sapiens]	T255	0.45	0.27	SRDAtPPVSPINMEDQER	1	1	3	1	1×TMT6plex [N-Term]; 1×Oxidation [M13(100)]; 1×Phospho [T5(98.5)]	T5(Phospho): 98.52; M13(Oxidation): 100	S(1): 1.5; T(5): 98.5; S(9): 0.0	EARSRDAtPPVSPIN	T5;	High	2367.084921					1	1	48.08	High	0.0208	5.47018671	High	0.117	Yes
NP_001229827.1	9701	339276039	PPP6R2	serine/threonine-protein phosphatase 6 regulatory subunit 2 isoform 1 [Homo sapiens]	S771	0.57	2.47	CSsPVDTECSHAEGSR	1	4	4	0	1×TMT6plex [N-Term]; 2×Carbamidomethyl [C1; C9]; 1×Phospho [S3(99)]	S3(Phospho): 99.05	S(2): 1.0; S(3): 99.1; T(7): 0.0; S(10): 0.0; S(15): 0.0	ESGPRCSsPVDTECS	S3;	High	2087.8361					1	1	48.08	High	0.4167	4.131697178	High	0.0218	Yes
NP_001894.2	1495	55770844	CTNNA1	catenin alpha-1 isoform 1 [Homo sapiens]	S44	1.59	1.18	LLEPLVTQVTTLVNTNsKGPSNK	1	2	4	1	3×TMT6plex [N-Term; K18; K23]; 1×Phospho [S17(100)]	S17(Phospho): 99.97	T(7): 0.0; T(10): 0.0; T(11): 0.0; T(15): 0.0; S(17): 100.0; S(21): 0.0	TTLVNTNsKGPSNKK	S17;	High	3220.816106					1	1	48.05	High	0.1042	6.714116573	High	0.0417	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	T59	0.93	0.69	VSPQDANPLMANGtLTR	1	5	3	0	1×TMT6plex [N-Term]; 1×Oxidation [M10(100)]; 1×Deamidated [N12(100)]; 1×Phospho [T14(100)]	M10(Oxidation): 100; N12(Deamidated): 100; T14(Phospho): 99.96	S(2): 0.0; T(14): 100.0; T(16): 0.0	NPLMANGtLTRRHQN	T14;	High	2111.004152					1	1	48.03	High	0.1458	4.67972517	High	0.0406	Yes
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S64	0.08	0.15	sLYNLGGSK	1	1	8	0	2×TMT6plex [N-Term; K9]; 1×Deamidated [N4(100)]; 1×Phospho [S1(100)]	S1(Phospho): 100; N4(Deamidated): 100	S(1): 100.0; Y(3): 0.0; S(8): 0.0	VGGYGSRsLYNLGGS	S1;	High	1477.770383	283.51	173.83	33.5	39.5	2	2	48.01	High	0.6458	3.05924964	High	0.2386	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	T4430	2.22	5.64	GPSLDIDtPDVNIEGPEGK	1	1	5	0	2×TMT6plex [N-Term; K19]; 1×Phospho [T8(100)]	T8(Phospho): 100	S(3): 0.0; T(8): 100.0	GPSLDIDtPDVNIEG	T8;	High	2491.236936	8.7	14.77	27.8	173.7	2	2	47.99	High	0.3958	5.200909615	High	0.1808	Yes
NP_001107648.1	121536	166795264	AEBP2	zinc finger protein AEBP2 isoform b [Homo sapiens]	S206	1.89	0.62	RGsLEMSSDGEPLSR	1	2	2	1	1×TMT6plex [N-Term]; 1×Oxidation [M6(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; M6(Oxidation): 100	S(3): 100.0; S(7): 0.0; S(8): 0.0; S(14): 0.0	TSGGRRGsLEMSSDG	S3;	High	1945.888787					1	1	47.98	High	0.5208	4.781430244	High	0.2406	Yes
NP_001025226.1	394	71834863	ARHGAP5	rho GTPase-activating protein 5 isoform a [Homo sapiens]	S968	1.55	0.72	ESTHQSEDVFLPsPR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S13(100)]	S13(Phospho): 100	S(2): 0.0; T(3): 0.0; S(6): 0.0; S(13): 100.0	SEDVFLPsPRDCFPY	S13;	High	2037.948016					1	1	47.98	High	0.875	4.516787529	High	0.4735	Yes
NP_001290385.1	10623	742800211	POLR3C	DNA-directed RNA polymerase III subunit RPC3 isoform 2 [Homo sapiens]	S218	1.07	0.68	RSsDEDAAGEPK	1	2	6	1	2×TMT6plex [N-Term; K12]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(2): 0.0; S(3): 100.0	KGKRRRSsDEDAAGE	S3;	High	1799.857694	13.69	3.83	20.9	3.7	2	2	47.95	High	0.2083	4.966621399	High	0.0121	No
NP_001107018.1	51474	165905589	LIMA1	LIM domain and actin-binding protein 1 isoform 1 [Homo sapiens]	S375	0.92	0.97	ASSLSESsPPK	1	4	25	0	2×TMT6plex [N-Term; K11]; 1×Phospho [S8(100)]	S8(Phospho): 99.99	S(2): 0.0; S(3): 0.0; S(5): 0.0; S(7): 0.0; S(8): 100.0	ASSLSESsPPKAMKK	S8;	High	1627.834439	2.59	4.78	6.3	12.3	7	7	47.95	High	0.25	4.06794405	High	0.0123	No
NP_006245.2	5580	31377782	PRKCD	protein kinase C delta type [Homo sapiens]	S664	0.55	1.09	NLIDSMDQSAFAGFsFVNPK	1	1	2	0	2×TMT6plex [N-Term; K20]; 1×Oxidation [M6(100)]; 1×Phospho [S15(100)]	M6(Oxidation): 100; S15(Phospho): 100	S(5): 0.0; S(9): 0.0; S(15): 100.0	QSAFAGFsFVNPKFE	S15;	High	2742.32504					1	1	47.94	High	0.2708	3.438182831	High	0.1657	Yes
NP_942568.2	23061	45597175	TBC1D9B	TBC1 domain family member 9B isoform a [Homo sapiens]	S435	1.93	1.45	ASVVDPSTESSPAPQEGSEQPASPAsPLSSR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S26(100)]	S26(Phospho): 100	S(2): 0.0; S(7): 0.0; T(8): 0.0; S(10): 0.0; S(11): 0.0; S(18): 0.0; S(23): 0.0; S(26): 100.0; S(29): 0.0; S(30): 0.0	EQPASPAsPLSSRQS	S26;	High	3361.563419					1	1	47.93	High	0.2917	4.201984406	High	0.0929	Yes
NP_002932.1	6091	4506569	ROBO1	roundabout homolog 1 isoform a precursor [Homo sapiens]	S940	0.56	0.41	KVPsFTFTPTVTYQR	1	1	2	1	2×TMT6plex [N-Term; K]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(6): 0.0; T(8): 0.0; T(10): 0.0; T(12): 0.0; Y(13): 0.0	AGIRKVPsFTFTPTV	S4;	High	2310.229941					1	1	47.87	High	0.5208	5.198318481	High	0.1327	Yes
NP_848927.2	92140	223555917	MTDH	protein LYRIC [Homo sapiens]	S568	1.24	0.83	SETSWEsPK	1	1	4	0	2×TMT6plex [N-Term; K9]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(1): 0.0; T(3): 0.0; S(4): 0.0; S(7): 100.0	KSETSWEsPKQIKKK	S7;	High	1588.766025	3.14	1.49	5.5	1.8	2	2	47.86	High	0.6667	4.238358021	High	0.3561	Yes
NP_001037.1	6558	4506975	SLC12A2	solute carrier family 12 member 2 isoform 1 [Homo sapiens]	T217	1.42	0.72	TFGHNtMDAVPR	1	2	4	0	1×TMT6plex [N-Term]; 1×Oxidation [M7(100)]; 1×Phospho [T6(100)]	T6(Phospho): 100; M7(Oxidation): 100	T(1): 0.0; T(6): 100.0	LRTFGHNtMDAVPRI	T6;	High	1670.755923	6.43	35.99	12.9	37.7	2	2	47.86	High	0.7292	4.181087017	High	0.3971	Yes
NP_003379.3	7461	116008447	CLIP2	CAP-Gly domain-containing linker protein 2 isoform 1 [Homo sapiens]	S207	1.14	0.86	TGNESGSNLsDSGSVK	1	2	4	0	2×TMT6plex [N-Term; K16]; 1×Phospho [S10(99.2)]	S10(Phospho): 96.92	T(1): 0.0; S(5): 0.0; S(7): 0.0; S(10): 96.9; S(12): 1.5; S(14): 1.5	NESGSNLsDSGSVKR	S10;	High	2076.985079	11.28	1.2	18.3	1.5	2	2	47.85	High	0.1875	3.686229706	High	0.1057	Yes
NP_443198.1	116496	16757970	FAM129A	protein Niban [Homo sapiens]	S641	0.83	2.39	GESLsLPGPSPPPDGTEQVISR	1	1	4	0	1×TMT6plex [N-Term]; 1×Phospho [S10(100)]	S5(Phospho): 99.97	S(3): 0.0; S(5): 100.0; S(10): 0.0; T(16): 0.0; S(22): 0.0	LAKGESLsLPGPSPP	S5;	High	2642.327593	20.62	17.9	24.6	66.3	2	2	47.84	High	0.1458	4.73768425	High	0.0549	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5763	1.67	0.35	ASLGSLEGEAEAEASsPKGK	1	1	8	1	3×TMT6plex [N-Term; K18; K20]; 1×Phospho [S16(100)]	S16(Phospho): 99.98	S(2): 0.0; S(5): 0.0; S(15): 0.0; S(16): 100.0	EAEAEASsPKGKFSL	S16;	High	2685.395117	3.61	50.02	8.5	25.5	2	2	47.81	High	0.9583	5.222607136	High	0.0326	Yes
NP_001120708.1	65056	187829640	GPBP1	vasculin isoform 2 [Homo sapiens]	S388	1.46	1.71	SSTFPQTDVLSSsLEAEHR	1	4	3	0	1×TMT6plex [N-Term]; 1×Phospho [S13(98.4)]	S13(Phospho): 98.44	S(1): 0.0; S(2): 0.0; T(3): 0.0; T(7): 0.0; S(11): 0.0; S(12): 1.5; S(13): 98.4	QTDVLSSsLEAEHRL	S13;	High	2400.128165					1	1	47.78	High	0.125	4.204844952	High	0.0262	No
NP_055596.3	9821	134304842	RB1CC1	RB1-inducible coiled-coil protein 1 isoform 1 [Homo sapiens]	S653	1.1	0.8	ASVSQTSPQSASsPR	1	2	8	0	1×TMT6plex [N-Term]; 1×Phospho [S13(100)]	S13(Phospho): 99.98	S(2): 0.0; S(4): 0.0; T(6): 0.0; S(7): 0.0; S(10): 0.0; S(12): 0.0; S(13): 100.0	TSPQSASsPRMESTA	S13;	High	1798.853388	6.92	9.13	13.3	12.7	3	3	47.75	High	0.0833	4.589552402	High	0.0719	Yes
NP_919424.1	3930	37595752	LBR	lamin-B receptor [Homo sapiens]	S99	1.1	0.98	SAsASHQADIK	1	1	5	0	2×TMT6plex [N-Term; K11]; 1×Deamidated [Q7(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; Q7(Deamidated): 100	S(1): 0.0; S(3): 100.0; S(5): 0.0	KSARRSAsASHQADI	S3;	High	1653.824938	8.95	1.53	14	2.1	2	2	47.75	High	0.1667	3.970107317	High	0.0529	Yes
NP_004422.2	1969	32967311	EPHA2	ephrin type-A receptor 2 precursor [Homo sapiens]	S901	0.94	1.04	LPSTSGsEGVPFR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(3): 0.0; T(4): 0.0; S(5): 0.0; S(7): 100.0	RLPSTSGsEGVPFRT	S7;	High	1642.803918					1	1	47.74	High	0.375	3.728854656	High	0.0643	Yes
NP_038477.2	11176	91176325	BAZ2A	bromodomain adjacent to zinc finger domain protein 2A isoform 1 [Homo sapiens]	S1397	0.12	5.15	AGDPGEMPQsPTGLGQPK	1	2	2	0	2×TMT6plex [N-Term; K18]; 1×Phospho [S10(100)]	S10(Phospho): 100	S(10): 100.0; T(12): 0.0	DPGEMPQsPTGLGQP	S10;	High	2305.129969					1	1	47.74	High	0.3958	3.286729336	High	0.1976	Yes
NP_001131024.1	9208	212276096	LRRFIP1	leucine-rich repeat flightless-interacting protein 1 isoform 3 [Homo sapiens]	S68	0.88	2.28	NTSAsDEDER	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	T(2): 0.0; S(3): 0.0; S(5): 100.0	SRRNTSAsDEDERMS	S5;	High	1432.579063					1	1	47.73	High	0.3125	2.850157976	High	0.1263	Yes
NP_055601.2	9828	21361458	ARHGEF17	rho guanine nucleotide exchange factor 17 [Homo sapiens]	S142	2.71	1.64	RPsADSESPGTPSPDGAAWEPPAR	1	1	4	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; S(8): 0.0; T(11): 0.0; S(13): 0.0	GPGSRRPsADSESPG	S3;	High	2744.251468					1	1	47.71	High	0.0833	4.230387688	High	0.1442	Yes
NP_060470.2	55686	124487399	MREG	melanoregulin [Homo sapiens]	S213	0.71	0.93	ELHYLPFPsP	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S9(100)]	S9(Phospho): 100	Y(4): 0.0; S(9): 100.0	LHYLPFPsP_	S9;	High	1508.738799					1	1	47.71	High	1	2.632580757	High	0.711	Yes
NP_001184033.1	4297	308199413	KMT2A	histone-lysine N-methyltransferase 2A isoform 1 precursor [Homo sapiens]	S2101	1.62	1.18	TIAHsPTSFTESSSK	1	2	2	0	2×TMT6plex [N-Term; K15]; 1×Phospho [S5(100)]	S5(Phospho): 100	T(1): 0.0; S(5): 100.0; T(7): 0.0; S(8): 0.0; T(10): 0.0; S(12): 0.0; S(13): 0.0; S(14): 0.0	ENRTIAHsPTSFTES	S5;	High	2118.052036					1	1	47.69	High	0.0625	4.944550514	High	0.1619	No
NP_001002814.2	80223	289547524	RAB11FIP1	rab11 family-interacting protein 1 isoform 3 [Homo sapiens]	S202	1.14	2.42	DSGSDTASAIIPSTTPSVDsDDESVVK	1	2	2	0	2×TMT6plex [N-Term; K27]; 1×Phospho [S20(99.9)]	S20(Phospho): 99.94	S(2): 0.0; S(4): 0.0; T(6): 0.0; S(8): 0.0; S(13): 0.0; T(14): 0.0; T(15): 0.0; S(17): 0.0; S(20): 99.9; S(24): 0.0	STTPSVDsDDESVVK	S20;	High	3218.524129					1	1	47.69	High	0.1667	4.621716976	High	0.0519	Yes
NP_001123917.1	6744	194363771	SSFA2	sperm-specific antigen 2 isoform 1 [Homo sapiens]	S739	1.13	1.17	SQsLPTTLLSPVR	1	4	5	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; T(6): 0.0; T(7): 0.0; S(10): 0.0	YPLRRSQsLPTTLLS	S3;	High	1707.924368	13.34	0.3	21.6	0.5	2	2	47.64	High	0.2292	3.510887623	High	0.2023	Yes
NP_005427.2	8030	46852390	CCDC6	coiled-coil domain-containing protein 6 [Homo sapiens]	S240; S244	0.6	0.86	LDQPVsAPPsPR	1	1	16	0	1×TMT6plex [N-Term]; 2×Phospho [S6(100); S10(100)]	S6(Phospho): 100; S10(Phospho): 100	S(6): 100.0; S(10): 100.0	EKLDQPVsAPPSPRD;QPVSAPPsPRDISME	S6; S10;	High	1652.76477	12.78	15.03	21.8	37.9	8	8	47.63	High	1	4.620315075	High	0.6234	Yes;Yes
NP_001258898.1	3326	431822401	HSP90AB1	heat shock protein HSP 90-beta isoform a [Homo sapiens]	S255	0.83	5.74	IEDVGsDEEDDSGK	1	3	2	0	2×TMT6plex [N-Term; K14]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(12): 0.0	PKIEDVGsDEEDDSG	S6;	High	2032.900012					1	1	47.63	High	0.7708	4.545509338	High	0.3253	Yes
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S64	0.04	0.1	sLYNLGGSK	1	1	14	0	2×TMT6plex [N-Term; K9]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; Y(3): 0.0; S(8): 0.0	VGGYGSRsLYNLGGS	S1;	High	1476.786367	578.48	27.1	61.2	6.4	6	6	47.61	High	0.6458	3.556291342	High	0.2247	Yes
NP_663304.1	6885	21735562	MAP3K7	mitogen-activated protein kinase kinase kinase 7 isoform B [Homo sapiens]	S439	1.5	2.18	sIQDLTVTGTEPGQVSSR	1	4	9	0	1×TMT6plex [N-Term]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(6): 0.0; T(8): 0.0; T(10): 0.0; S(16): 0.0; S(17): 0.0	NGQPRRRsIQDLTVT	S1;	High	2184.074673	5.69	28.76	14.9	195.3	3	4	47.6	High	0.2708	5.115770817	High	0.2578	Yes
NP_877499.1	55117	33354281	SLC6A15	sodium-dependent neutral amino acid transporter B(0)AT2 isoform 1 [Homo sapiens]	S701	1.66	1.31	KQSGsPTLDTAPNGR	1	2	4	1	2×TMT6plex [N-Term; K]; 1×Deamidated [N13(100)]; 1×Phospho [S5(100)]	S5(Phospho): 99.97; N13(Deamidated): 100	S(3): 0.0; S(5): 100.0; T(7): 0.0; T(10): 0.0	IYRKQSGsPTLDTAP	S5;	High	2068.04762	2.21	13.57	5.2	25.6	2	2	47.59	High	0.3125	3.760977745	High	0.0665	Yes
NP_003912.1	8915	4502379	BCL10	B-cell lymphoma/leukemia 10 [Homo sapiens]	S138	1.17	1.26	SNsDESNFSEK	1	1	2	0	2×TMT6plex [N-Term; K11]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(6): 0.0; S(9): 0.0	NNLSRSNsDESNFSE	S3;	High	1781.79951					1	1	47.59	High	0.4167	3.345916748	High	0.1493	Yes
NP_065863.2	57572	157426887	DOCK6	dedicator of cytokinesis protein 6 [Homo sapiens]	S878	1.25	1.5	sKSISSSNPDLAVAPGSVDDEVSR	1	1	4	1	2×TMT6plex [N-Term; K2]; 1×Phospho [S1(98.6)]	S1(Phospho): 98.57	S(1): 98.6; S(3): 1.4; S(5): 0.0; S(6): 0.0; S(7): 0.0; S(17): 0.0; S(23): 0.0	ASLYLARsKSISSSN	S1;	High	2955.471246					1	1	47.58	High	0.0208	5.164475918	High	0.0678	Yes
NP_009298.1	27	6382062	ABL2	Abelson tyrosine-protein kinase 2 isoform b [Homo sapiens]	S817	4.13	7.09	TVsTSSQPEENVDR	1	7	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	T(1): 0.0; S(3): 100.0; T(4): 0.0; S(5): 0.0; S(6): 0.0	LQLERTVsTSSQPEE	S3;	High	1857.842882					1	1	47.58	High	0.3125	3.144406796	High	0.1656	Yes
NP_057191.2	51663	34101286	ZFR	zinc finger RNA-binding protein [Homo sapiens]	S1054	0.94	0.99	RDsDGVDGFEAEGK	1	1	2	1	2×TMT6plex [N-Term; K14]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	NRKRRRDsDGVDGFE	S3;	High	2019.942486					1	1	47.55	High	1	5.847266197	High	0.6786	Yes
NP_055535.2	9748	41281453	SLK	STE20-like serine/threonine-protein kinase isoform 1 [Homo sapiens]	S779	4.4	5.55	DSGsISLQETR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S4(99.4)]	S4(Phospho): 99.44	S(2): 0.0; S(4): 99.4; S(6): 0.6; T(10): 0.0	SKTKDSGsISLQETR	S4;	High	1501.709684					1	1	47.54	High	0.3333	3.682078838	High	0.1196	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_060082.2	55596	38044290	ZCCHC8	zinc finger CCHC domain-containing protein 8 [Homo sapiens]	S649	1.49	1.25	LFPADTsPSTATK	1	1	4	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S7(98.8)]	S7(Phospho): 98.84	T(6): 1.2; S(7): 98.8; S(9): 0.0; T(10): 0.0; T(12): 0.0	KLFPADTsPSTATKI	S7;	High	1873.971267					1	1	47.51	High	0.5	3.065398455	High	0.0293	Yes
NP_056988.3	9669	84043963	EIF5B	eukaryotic translation initiation factor 5B [Homo sapiens]	S164	1.61	1.22	WDGsEEDEDNSK	1	1	8	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(11): 0.0	SNKKWDGsEEDEDNS	S4;	High	1948.821368	4.02	2.72	11.2	5.8	3	3	47.5	High	0.8125	4.606194496	High	0.3883	Yes
NP_006640.2	10813	21361348	UTP14A	U3 small nucleolar RNA-associated protein 14 homolog A isoform 1 [Homo sapiens]	S453	1.74	1.6	DSGsQEVLSELR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(2): 0.0; S(4): 100.0; S(9): 0.0	QETKDSGsQEVLSEL	S4;	High	1628.773012					1	1	47.46	High	0.2553	4.09253931	High	0.154	Yes
NP_065939.2	57648	112734870	KIAA1522	uncharacterized protein KIAA1522 isoform 1 [Homo sapiens]	S917	0.57	0.48	ALsGRASPVPAPSSGLHAAVR	1	2	5	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(98.9)]	S3(Phospho): 98.92	S(3): 98.9; S(7): 1.1; S(13): 0.0; S(14): 0.0	KPLRRALsGRASPVP	S3;	High	2310.228095					1	1	47.43	High	0.7234	5.145906925	High	0.0757	No
NP_003944.1	9019	4506357	MPZL1	myelin protein zero-like protein 1 isoform a precursor [Homo sapiens]	Y263	0.85	1.01	SESVVyADIR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [Y6(100)]	Y6(Phospho): 99.99	S(1): 0.0; S(3): 0.0; Y(6): 100.0	NKSESVVyADIRKN_	Y6;	High	1447.703142					1	1	47.42	High	0.5957	2.735908985	High	0.281	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S691	0.56		WLDDLLAsPPPSGGGAR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; S(12): 0.0	WLDDLLAsPPPSGGG	S8;	High	2017.994573					1		47.4	High	0.5532	4.590447903	High	0.3878	Yes
NP_001268400.1	23262	527317388	PPIP5K2	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2 isoform 3 [Homo sapiens]	S1021	0.74	0.86	sGEQITSSPVSPK	1	3	4	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(6): 0.0; S(7): 0.0; S(8): 0.0; S(11): 0.0	TGRRRRRsGEQITSS	S1;	High	1854.961431	24.26	2.01	25.7	2.4	2	2	47.4	High	0.766	4.271103382	High	0.3208	No
NP_001091742.1	3157	148298677	HMGCS1	hydroxymethylglutaryl-CoA synthase, cytoplasmic [Homo sapiens]	S495	1.14	1.17	RPTPNDDTLDEGVGLVHSNIATEHIPsPAK	1	1	2	0	2ﾗTMT6plex [N-Term; K30]; 1ﾗPhospho [S27(100)]	S27(Phospho): 100	T(3): 0.0; T(8): 0.0; S(18): 0.0; T(22): 0.0; S(27): 100.0	IATEHIPsPAKKVPR	S27;	High	3718.884189					1	1	47.38	High	0.234	10.44958496	High	0.1502	Yes
NP_002145.3	3308	38327039	HSPA4	heat shock 70 kDa protein 4 [Homo sapiens]	S76	1.4	1.2	AFsDPFVEAEK	1	1	2	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	RFHGRAFsDPFVEAE	S3;	High	1777.881389					1	1	47.38	High	0.8511	3.299574852	High	0.6485	Yes
NP_001284502.1	55809	662033858	TRERF1	transcriptional-regulating factor 1 isoform 1 [Homo sapiens]	S491	0.64	0.54	AQPGsPESSGQPK	1	2	4	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(8): 0.0; S(9): 0.0	DGRAQPGsPESSGQP	S5;	High	1807.899165	13.63	40.05	12.3	31.5	2	2	47.36	High	0.4894	4.571068764	High	0.2429	Yes
NP_055792.1	22985	7662238	ACIN1	apoptotic chromatin condensation inducer in the nucleus isoform 1 [Homo sapiens]	T414	2.15	1.4	ASLVALPEQTASEEEtPPPLLTK	1	3	15	0	2ﾗTMT6plex [N-Term; K23]; 1ﾗPhospho [T16(100)]	T16(Phospho): 100	S(2): 0.0; T(10): 0.0; S(12): 0.0; T(16): 100.0; T(22): 0.0	QTASEEEtPPPLLTK	T16;	High	2959.568107	4.54	51.31	13.9	133.7	2	2	47.33	High	0.3617	3.485582113	High	0.0602	Yes
NP_006654.2	10848	63003907	PPP1R13L	relA-associated inhibitor [Homo sapiens]	T341	0.46	0.54	SLGSAGPSGtLPR	1	1	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S1(100)]	T10(Phospho): 99.99	S(1): 0.0; S(4): 0.0; S(8): 0.0; T(10): 100.0	GSAGPSGtLPRSWQP	T10;	High	1508.767139	14.17	32.02	11.4	30.9	3	3	47.31	High	0.234	3.589673758	High	0.1337	Yes
NP_009197.2	11321	223005897	GPN1	GPN-loop GTPase 1 isoform a [Homo sapiens]	S328	1.1	1.36	DSLsPVLHPSDLILTR	1	4	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(98.9)]	S4(Phospho): 98.9	S(2): 1.1; S(4): 98.9; S(10): 0.0; T(15): 0.0	GTAKDSLsPVLHPSD	S4;	High	2072.099038	7.35	9.93	11.5	19.2	2	2	47.28	High	0.1702	5.398257732	High	0.0556	No
NP_003713.3	8626	31543818	TP63	tumor protein 63 isoform 1 [Homo sapiens]	S455; S457	0.83	0.81	QTSIQsPsSYGNSSPPLNK	1	4	5	0	2ﾗTMT6plex [N-Term; K19]; 2ﾗPhospho [S6(100); S8(98.4)]	S6(Phospho): 100; S8(Phospho): 98.43	T(2): 0.0; S(3): 0.0; S(6): 100.0; S(8): 98.4; S(9): 1.6; Y(10): 0.0; S(13): 0.0; S(14): 0.0	QKQTSIQsPSSYGNS;QTSIQSPsSYGNSSP	S6; S8;	High	2610.2254	1.5	1.19	1.8	1.4	2	2	47.28	High	0.2979	4.745862961	High	0.1011	No;No
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S61; S62	0.73	0.43	QSLTHGssGYINSTGSTR	1	1	9	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S7(100); S8(100)]	S7(Phospho): 100; S8(Phospho): 100	S(2): 0.0; T(4): 0.0; S(7): 100.0; S(8): 100.0; Y(10): 0.0; S(13): 0.0; T(14): 0.0; S(16): 0.0; T(17): 0.0	KQSLTHGsSGYINST;QSLTHGSsGYINSTG	S7; S8;	High	2241.973987	30.76	43.25	32.8	26.8	2	2	47.27	High	0.2766	6.069022655	High	0.2685	Yes;Yes
NP_077269.3	79137	187607445	FAM134A	protein FAM134A [Homo sapiens]	S385	0.89	1.12	QALDsEEEEEDVAAK	1	1	2	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	LSRQALDsEEEEEDV	S5;	High	2201.026275					1	1	47.25	High	1	5.369346142	High	0.7095	Yes
NP_569055.1	84126	18390347	ATRIP	ATR-interacting protein isoform 1 [Homo sapiens]	S224	0.87	1.04	LAAPSVSHVsPR	1	4	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	S(5): 0.0; S(7): 0.0; S(10): 100.0	APSVSHVsPRKNPSV	S10;	High	1529.803859					1	1	47.23	High	0.3617	5.251176834	High	0.16	Yes
NP_077003.1	79080	13129104	CCDC86	coiled-coil domain-containing protein 86 [Homo sapiens]	S91	1.37	0.97	LQQGAGLESPQGQPEPGAAsPQR	1	1	5	0	1ﾗTMT6plex [N-Term]; 2ﾗDeamidated [Q11(100); Q13(100)]; 1ﾗPhospho [S20(100)]	Q11(Deamidated): 99.98; Q13(Deamidated): 100; S20(Phospho): 100	S(9): 0.0; S(20): 100.0	QPEPGAAsPQRQQDL	S20;	High	2614.234756	27.28	18.52	56.6	25.8	2	2	47.23	High	0.0851	4.17391634	High	0.3501	Yes
NP_001077430.1	284403	145580608	WDR62	WD repeat-containing protein 62 isoform 1 [Homo sapiens]	S49	1.68	1.43	TRLsTASEETVQNR	1	2	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 99.99	T(1): 0.0; S(4): 100.0; T(5): 0.0; S(7): 0.0; T(10): 0.0	LRRRTRLsTASEETV	S4;	High	1900.932701					1	1	47.22	High	0.1277	5.398655891	High	0.0833	Yes
NP_001354.1	1736	4503337	DKC1	H/ACA ribonucleoprotein complex subunit 4 isoform 1 [Homo sapiens]	S494	1.35	0.87	AGLESGAEPGDGDsDTTKK	1	2	12	1	3ﾗTMT6plex [N-Term; K18; K19]; 1ﾗPhospho [S14(100)]	S14(Phospho): 99.97	S(5): 0.0; S(14): 100.0; T(16): 0.0; T(17): 0.0	AEPGDGDsDTTKKKK	S14;	High	2602.285233	3.81	2.75	12.7	5.8	6	6	47.18	High	0.2553	6.290116787	High	0.0795	Yes
NP_064504.2	56829	27477136	ZC3HAV1	zinc finger CCCH-type antiviral protein 1 isoform 1 [Homo sapiens]	S387	0.9	0.8	SsLGSLQTPEAVTTR	1	2	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S2(99.3)]	S2(Phospho): 99.26	S(1): 0.7; S(2): 99.3; S(5): 0.0; T(8): 0.0; T(13): 0.0; T(14): 0.0	TLPAARSsLGSLQTP	S2;	High	1855.936389	0.04	21.78	0	24.9	2	2	47.18	High	0.1277	3.793771267	High	0.1187	Yes
NP_055888.1	23094	71143119	SIPA1L3	signal-induced proliferation-associated 1-like protein 3 [Homo sapiens]	S1364	2.22	2.12	EVsPAPAVAGQSK	1	1	4	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(12): 0.0	ADRRREVsPAPAVAG	S3;	High	1778.945387	4.59	2.85	14.5	8.6	2	2	47.15	High	0.8936	5.270813942	High	0.666	Yes
NP_055330.1	4848	7657385	CNOT2	CCR4-NOT transcription complex subunit 2 [Homo sapiens]	S165	0.71	1.42	TNSMSSSGLGsPNR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M4(100)]; 1ﾗDeamidated [N2(100)]; 1ﾗPhospho [S11(100)]	N2(Deamidated): 100; M4(Oxidation): 100; S11(Phospho): 100	T(1): 0.0; S(3): 0.0; S(5): 0.0; S(6): 0.0; S(7): 0.0; S(11): 100.0	MSSSGLGsPNRSSPS	S11;	High	1720.741061					1	1	47.15	High	0.6596	3.810881853	High	0.3727	Yes
NP_001070736.1	84936	116268103	ZFYVE19	abscission/NoCut checkpoint regulator isoform 1 [Homo sapiens]	S354	0.73	0.82	VTLQDYRLPDsDDDEDEETAIQR	1	3	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	T(2): 0.0; Y(6): 0.0; S(11): 100.0; T(19): 0.0	QDYRLPDsDDDEDEE	S11;	High	3032.357115					1	1	47.13	High	0.4681	4.651945114	High	0.243	Yes
NP_001801.1	1059	21735415	CENPB	major centromere autoantigen B [Homo sapiens]	S156	0.95	0.58	TPAAPAsPAAVPSEGSGGSTTGWR	1	1	5	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	T(1): 0.0; S(7): 100.0; S(13): 0.0; S(16): 0.0; S(19): 0.0; T(20): 0.0; T(21): 0.0	RTPAAPAsPAAVPSE	S7;	High	2521.192162	19.85	56.83	27.1	48.9	2	2	47.1	High	0.2553	5.36157465	High	0.1586	Yes
NP_005554.1	3925	5031851	STMN1	stathmin isoform a [Homo sapiens]	S16; S25	1.3	0.59	RAsGQAFELILsPR	1	2	2	1	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S3(100); S12(100)]	S3(Phospho): 100; S12(Phospho): 100	S(3): 100.0; S(12): 100.0	KELEKRAsGQAFELI;QAFELILsPRSKESV	S3; S12;	High	1933.949945					1	1	47.06	High	1	5.098720551	High	0.7	Yes;Yes
NP_001290385.1	10623	742800211	POLR3C	DNA-directed RNA polymerase III subunit RPC3 isoform 2 [Homo sapiens]	S217	1.1	0.85	sSDEDAAGEPK	1	2	2	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(2): 0.0	GKGKRRRsSDEDAAG	S1;	High	1643.756583					1	1	47.04	High	0.3191	3.99988389	High	0.1225	No
NP_002173.1	3556	4504661	IL1RAP	interleukin-1 receptor accessory protein isoform 1 precursor [Homo sapiens]	S556; S557	0.76	1.01	RSssDEQGLSYSSLK	1	1	6	1	2ﾗTMT6plex [N-Term; K15]; 2ﾗPhospho [S3(98.6); S4(98.6)]	S3(Phospho): 98.6; S4(Phospho): 98.6	S(2): 2.8; S(3): 98.6; S(4): 98.6; S(10): 0.0; Y(11): 0.0; S(12): 0.0; S(13): 0.0	KKSPRRSsSDEQGLS;KSPRRSSsDEQGLSY	S3; S4;	High	2262.045645	0.17	26.6	0.2	39.4	2	2	47.04	High	0.5532	3.606803179	High	0.41	Yes;Yes
NP_112598.3	83481	525507390	EPPK1	epiplakin [Homo sapiens]	S2718	0.92	0.42	QVsASELHTSGILGPETLR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(99.2)]	S3(Phospho): 99.15	S(3): 99.2; S(5): 0.9; T(9): 0.0; S(10): 0.0; T(17): 0.0	RGLRRQVsASELHTS	S3;	High	2304.179807					1	1	47.02	High	0.0426	6.807138443	High	0.0675	No
NP_620305.2	6651	520261969	SON	protein SON isoform F [Homo sapiens]	S1556	1	0.88	EMEHNTVCAAGTsPVGEIGEEK	1	3	8	0	2ﾗTMT6plex [N-Term; K22]; 1ﾗCarbamidomethyl [C8]; 1ﾗOxidation [M2(100)]; 1ﾗDeamidated [N5(100)]; 1ﾗPhospho [S13(100)]	M2(Oxidation): 100; N5(Deamidated): 100; S13(Phospho): 99.95	T(6): 0.0; T(12): 0.1; S(13): 100.0	TVCAAGTsPVGEIGE	S13;	High	2900.309527	11.79	2.73	16.7	3.4	2	2	47.01	High	0.1277	5.580556393	High	0.0197	Yes
NP_060537.3	55700	78042577	MAP7D1	MAP7 domain-containing protein 1 isoform 1 [Homo sapiens]	S460	1.27	0.59	LSASTASELsPK	1	3	5	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	S(2): 0.0; S(4): 0.0; T(5): 0.0; S(7): 0.0; S(10): 100.0	ASTASELsPKSKARP	S10;	High	1728.918503	13.95	19.43	25.5	16.4	2	2	47	High	0.2979	5.605510712	High	0.2638	Yes
NP_006658.1	10857	5729875	PGRMC1	membrane-associated progesterone receptor component 1 isoform 1 [Homo sapiens]	S57	5.86	3.89	GDQPAASGDsDDDEPPPLPR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q3(100)]; 1ﾗPhospho [S10(100)]	Q3(Deamidated): 100; S10(Phospho): 99.97	S(7): 0.0; S(10): 100.0	QPAASGDsDDDEPPP	S10;	High	2345.997211					1	1	47	High	0.2979	3.64671874	High	0.1151	Yes
NP_057508.2	51747	19923485	LUC7L3	luc7-like protein 3 [Homo sapiens]	S431	0.84	2.73	NEVNGTSEDIKSEGDTQsN	1	1	2	1	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [S18(100)]	S18(Phospho): 100	T(6): 0.0; S(7): 0.0; S(12): 0.0; T(16): 0.0; S(18): 100.0	KSEGDTQsN_	S18;	High	2562.160871					1	1	46.97	High	0.3191	3.962152004	High	0.1667	Yes
NP_203744.1	85377	31324577	MICALL1	MICAL-like protein 1 [Homo sapiens]	S621	0.89	1.1	SPVPSPGSSsPQLQVK	1	1	4	0	2ﾗTMT6plex [N-Term; K16]; 1ﾗDeamidated [Q14(98.5)]; 1ﾗPhospho [S10(98.5)]	S10(Phospho): 98.5; Q14(Deamidated): 98.53	S(1): 0.0; S(5): 0.0; S(8): 0.0; S(9): 1.5; S(10): 98.5	VPSPGSSsPQLQVKS	S10;	High	2134.119722					1	1	46.97	High	0.0851	3.9171803	High	0.0204	Yes
NP_002366.2	4134	47519639	MAP4	microtubule-associated protein 4 isoform 1 [Homo sapiens]	S1073	1.5	0.82	VGsLDNVGHLPAGGAVK	1	2	6	0	2ﾗTMT6plex [N-Term; K17]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	KAQAKVGsLDNVGHL	S3;	High	2129.152025	9.5	4.5	25.1	6.4	3	3	46.96	High	0.9574	5.241831779	High	0.7328	Yes
NP_689618.4	133746	289547556	JMY	junction-mediating and -regulatory protein [Homo sapiens]	S115	1.32	1.23	SSAWAEGGsPR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(1): 0.0; S(2): 0.0; S(9): 100.0	SAWAEGGsPRSTRSL	S9;	High	1413.636125	7.76	1.14	14.5	2	2	2	46.95	High	1	2.855567217	High	0.6259	Yes
NP_006640.2	10813	21361348	UTP14A	U3 small nucleolar RNA-associated protein 14 homolog A isoform 1 [Homo sapiens]	S437	1.99	1.11	RSELsQDAEPAGSQETK	1	2	2	1	2ﾗTMT6plex [N-Term; K17]; 1ﾗPhospho [S5(100)]	S5(Phospho): 99.99	S(2): 0.0; S(5): 100.0; S(13): 0.0; T(16): 0.0	LRKRSELsQDAEPAG	S5;	High	2371.154269					1	1	46.93	High	0.2979	3.977065325	High	0.1432	Yes
NP_067051.2	58506	226509740	SCAF1	splicing factor, arginine/serine-rich 19 [Homo sapiens]	S548	0.64	1.96	EAASSSSGTQPAPPAPAsPWDSK	1	1	2	0	2ﾗTMT6plex [N-Term; K23]; 1ﾗPhospho [S18(100)]	S18(Phospho): 100	S(4): 0.0; S(5): 0.0; S(6): 0.0; S(7): 0.0; T(9): 0.0; S(18): 100.0; S(22): 0.0	PAPPAPAsPWDSKKH	S18;	High	2764.323126					1	1	46.9	High	0.4255	4.335438728	High	0.182	Yes
NP_056130.2	23367	39725634	LARP1	la-related protein 1 [Homo sapiens]	S697	0.76	1.17	SLPTTVPEsPNYR	1	1	11	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S1(100)]	S9(Phospho): 100	S(1): 0.0; T(4): 0.0; T(5): 0.0; S(9): 100.0; Y(12): 0.0	LPTTVPEsPNYRNTR	S9;	High	1769.867247	30.15	13.09	60.6	39	6	6	46.9	High	0.617	4.282178879	High	0.1285	No
NP_060531.2	55119	166235169	PRPF38B	pre-mRNA-splicing factor 38B [Homo sapiens]	S529	0.81	0.66	RSQsIEQESQEK	1	1	2	1	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(2): 0.0; S(4): 100.0; S(9): 0.0	HDRRRSQsIEQESQE	S4;	High	1986.989771					1	1	46.89	High	0.2766	5.681171894	High	0.1004	Yes
NP_056128.1	23365	7662088	ARHGEF12	rho guanine nucleotide exchange factor 12 isoform 1 [Homo sapiens]	S1288	1.27	1.34	TAsQGPQTDSVIQNSENIK	1	3	4	0	2ﾗTMT6plex [N-Term; K19]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; T(8): 0.0; S(10): 0.0; S(15): 0.0	FPRYRTAsQGPQTDS	S3;	High	2555.275447					1	1	46.89	High	0.234	5.387658596	High	0.0241	Yes
NP_057541.2	25865	19923468	PRKD2	serine/threonine-protein kinase D2 isoform A [Homo sapiens]	S197	0.98	1.03	RLsSTSLASGHSVR	1	2	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(4): 0.0; T(5): 0.0; S(6): 0.0; S(9): 0.0; S(12): 0.0	GARKRRLsSTSLASG	S3;	High	1766.911177					1	1	46.88	High	0.234	6.432675838	High	0.0871	Yes
NP_997657.1	2873	47078238	GPS1	COP9 signalosome complex subunit 1 isoform 1 [Homo sapiens]	T515	1.09	1.26	EGSQGELtPANSQSR	1	2	5	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	T8(Phospho): 100	S(3): 0.0; T(8): 100.0; S(12): 0.0; S(14): 0.0	EGSQGELtPANSQSR	T8;	High	1869.854116	2.51	1.15	3.9	2	2	2	46.88	High	0.8723	3.770051241	High	0.3634	No
NP_054762.2	25978	40254866	CHMP2B	charged multivesicular body protein 2b isoform 1 [Homo sapiens]	S199	1.12	1.02	ATIsDEEIER	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	T(2): 0.0; S(4): 100.0	STSKATIsDEEIERQ	S4;	High	1471.687886	1.12	3.83	1.8	5.5	2	2	46.86	High	0.383	4.097864628	High	0.1634	Yes
NP_001078846.1	4163	146229340	MCC	colorectal mutant cancer protein isoform 1 [Homo sapiens]	S484	1.25	1.6	LQSVQATGPSsPGR	1	2	8	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(99)]	S11(Phospho): 99.02	S(3): 0.0; T(7): 0.0; S(10): 1.0; S(11): 99.0	VQATGPSsPGRLTST	S11;	High	1693.84718	0.03	26.69	0	66.2	2	2	46.84	High	0.0213	5.687533379	High	0.0492	No
NP_060895.1	55361	13559514	PI4K2A	phosphatidylinositol 4-kinase type 2-alpha [Homo sapiens]	S47	0.63	0.51	VAAAAGSGPsPPGSPGHDRER	1	1	8	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	S(7): 0.0; S(10): 100.0; S(14): 0.0	AAAGSGPsPPGSPGH	S10;	High	2282.087638	8.57	31.09	10.8	32.8	4	4	46.82	High	0.2128	7.743064404	High	0.1124	Yes
NP_001119522.1	3068	186928819	HDGF	hepatoma-derived growth factor isoform b [Homo sapiens]	S181	1.74	2.14	AGDLLEDsPK	1	3	4	0	2ﾗTMT6plex [N-Term; K10]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0	AGDLLEDsPKRPKEA	S8;	High	1582.812976	2.06	2.36	5.1	7.1	2	2	46.8	High	0.8085	4.081218243	High	0.5907	No
NP_002574.2	5074	55769533	PAWR	PRKC apoptosis WT1 regulator protein [Homo sapiens]	S233	0.74	1.19	STTSVsEEDVSSR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(1): 0.0; T(2): 0.0; T(3): 0.0; S(4): 0.0; S(6): 100.0; S(11): 0.0; S(12): 0.0	YKSTTSVsEEDVSSR	S6;	High	1692.752671	33.15	8.31	35.9	14.1	2	2	46.79	High	0.3617	3.472102404	High	0.2133	Yes
NP_004887.2	9559	17978519	VPS26A	vacuolar protein sorting-associated protein 26A isoform 1 [Homo sapiens]	S315	1.06	0.91	TNFHQRFEsPESQASAEQPEM	1	1	2	1	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M21(100)]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100; M21(Oxidation): 100	T(1): 0.0; S(9): 100.0; S(12): 0.0; S(15): 0.0	NFHQRFEsPESQASA	S9;	High	2775.191905					1	1	46.71	High	0.4681	3.815577984	High	0.123	Yes
NP_004873.3	9541	40068059	CIR1	corepressor interacting with RBPJ 1 [Homo sapiens]	S202	1.33	0.65	NLTANDPSQEYVAsEGEEDPEVEFLK	1	1	2	0	2ﾗTMT6plex [N-Term; K26]; 1ﾗPhospho [S14(100)]	S14(Phospho): 99.97	T(3): 0.0; S(8): 0.0; Y(11): 0.0; S(14): 100.0	PSQEYVAsEGEEDPE	S14;	High	3448.608527					1	1	46.68	High	0.3617	5.58996439	High	0.1127	Yes
NP_005958.1	4665	5174607	NAB2	NGFI-A-binding protein 2 [Homo sapiens]	S6	0.78	0.94	APsPTAEQPPGGGDSAR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(5): 0.0; S(15): 0.0	_MHRAPsPTAEQPP	S3;	High	1903.874851	31.3	7.82	35.7	10.4	2	2	46.67	High	0.0851	5.585571766	High	0.0662	Yes
NP_005868.1	10291	5032087	SF3A1	splicing factor 3A subunit 1 [Homo sapiens]	S329	1.39	1.47	FGESEEVEMEVEsDEEDDKQEK	1	1	2	1	3ﾗTMT6plex [N-Term; K19; K22]; 1ﾗOxidation [M9(100)]; 1ﾗPhospho [S13(100)]	M9(Oxidation): 100; S13(Phospho): 100	S(4): 0.0; S(13): 100.0	EVEMEVEsDEEDDKQ	S13;	High	3400.511799					1	1	46.67	High	0.9362	4.908918858	High	0.4929	Yes
NP_001035957.1	4763	109826564	NF1	neurofibromin isoform 1 [Homo sapiens]	S2515	1.17	0.56	GSEGYLAATYPTVGQTsPR	1	2	3	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q15(100)]; 1ﾗPhospho [S17(100)]	Q15(Deamidated): 100; S17(Phospho): 99.98	S(2): 0.0; Y(5): 0.0; T(9): 0.0; Y(10): 0.0; T(12): 0.0; T(16): 0.0; S(17): 100.0	YPTVGQTsPRARKSM	S17;	High	2265.063775					1	1	46.64	High	0.1489	3.957525015	High	0.0278	Yes
NP_056121.2	23358	260064009	USP24	ubiquitin carboxyl-terminal hydrolase 24 [Homo sapiens]	S2047	0.86	0.83	VSDQNsPVLPK	1	1	9	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(2): 0.0; S(6): 100.0	QRVSDQNsPVLPKKS	S6;	High	1721.923923	1.71	5.59	3.3	10.4	5	5	46.63	High	0.5957	4.529084682	High	0.234	Yes
NP_002523.2	4927	24497453	NUP88	nuclear pore complex protein Nup88 [Homo sapiens]	S517	0.58	1.68	EDVEVAEsPLR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0	EDVEVAEsPLRVLAE	S8;	High	1552.745735					1	1	46.63	High	1	3.832879543	High	0.6945	Yes
NP_695012.1	7317	23510340	UBA1	ubiquitin-like modifier-activating enzyme 1 [Homo sapiens]	S46	1.38	1.37	NGsEADIDEGLYSR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; Y(12): 0.0; S(13): 0.0	NGMAKNGsEADIDEG	S3;	High	1834.805769					1	1	46.61	High	1	3.384032011	High	0.6272	Yes
NP_005677.2	9580	41406089	SOX13	transcription factor SOX-13 [Homo sapiens]	S310	0.75	0.82	APELPNTSSsPSLK	1	1	2	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S10(100)]	S10(Phospho): 99.99	T(7): 0.0; S(8): 0.0; S(9): 0.0; S(10): 100.0; S(12): 0.0	ELPNTSSsPSLKMSS	S10;	High	1966.029844					1	1	46.61	High	0.1915	2.86825633	High	0.0871	Yes
NP_002408.3	4288	103472005	MKI67	antigen KI-67 isoform 1 [Homo sapiens]	T2406	0.66	0.93	NINTFVEtPVQK	1	2	2	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [T8(100)]	T8(Phospho): 100	T(4): 0.0; T(8): 100.0	NINTFVEtPVQKLDL	T8;	High	1928.029451					1	1	46.59	High	0.6383	3.604986191	High	0.4694	Yes
NP_006741.1	6645	5803177	SNTB2	beta-2-syntrophin [Homo sapiens]	S110	0.85	0.62	GPAGEAGAsPPVR	1	1	5	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	PAGEAGAsPPVRRVR	S9;	High	1474.725274		138.32		181	1	2	46.57	High	1	3.997238159	High	0.6675	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan et al., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells.

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_203744.1	85377	31324577	MICALL1	MICAL-like protein 1 [Homo sapiens]	S484; S486	0.77	0.57	APsAsPLALHASR	1	1	4	0	1?TMTplex [N-Term]; 2?Phospho [S3(100); S5(100)]	S3(Phospho): 100; S5(Phospho): 100	S(3): 100.0; S(5): 100.0; S(12): 0.0	RPAPRtAPsASPLALHAPRAPSAsPLALHAS	S3; S5;	High	1666.791654	40	17.03	45.4	13.8	2	2	46.56	High	0.7872	5.629905701	High	0.7211	Yes;Yes
NP_001123528.1	1936	194239729	EEF1D	elongation factor 1-delta isoform 4 [Homo sapiens]	S109	1.29	0.82	ATAPQTQHVsPMR	1	4	15	0	1?TMTplex [N-Term]; 1?Oxidation [M12(100)]; 1?Deamidated [Q7(100)]; 1?Phospho [S10(100)]	Q7(Deamidated): 100; S10(Phospho): 100; M12(Oxidation): 100	T(2): 0.0; T(6): 0.0; S(10): 100.0	APQTQHVsPMRQVEP	S10;	High	1749.819252	14.28	34.46	51.9	86.5	7	7	46.55	High	0.3404	5.315912724	High	0.1372	No
NP_001186846.1	5238	315707006	PGM3	phosphoacetylglucosamine mutase isoform 1 [Homo sapiens]	S92	1.48	0.77	STGVMVTAsHNPEEDNGVK	1	3	3	0	2?TMTplex [N-Term; K20]; 1?Oxidation [M6(100)]; 1?Phospho [S10(97.9)]	M6(Oxidation): 100; S10(Phospho): 97.87	S(1): 0.0; T(2): 0.0; T(8): 2.1; S(10): 97.9	IGVMVTAsHNPEEDN	S10;	High	2639.278818					1	1	46.54	High	0.0426	4.319099426	High	0.0718	No
NP_001243595.1	8603	375331932	FAM193A	protein FAM193A isoform 2 [Homo sapiens]	S1144	1.26	0.9	LVLAEsPQPK	1	4	4	0	2?TMTplex [N-Term; K10]; 1?Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	SKLVLAEsPQPKGKN	S6;	High	1619.917381	0.27	17.81	0.5	22.9	2	2	46.53	High	0.9787	3.334598064	High	0.5676	Yes
NP_055871.1	23076	57863269	RRP1B	ribosomal RNA processing protein 1 homolog B [Homo sapiens]	S732	0.76	0.84	TPTSsPASSPLVAK	1	1	7	0	2?TMTplex [N-Term; K14]; 1?Phospho [S5(100)]	S5(Phospho): 99.98	T(1): 0.0; T(3): 0.0; S(4): 0.0; S(5): 100.0; S(8): 0.0; S(9): 0.0	VLKTPTSsPASSPLV	S5;	High	1881.013466					1	1	46.48	High	0.2391	4.273249149	High	0.0562	Yes
NP_003878.1	8853	4502249	ASAP2	arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 2 isoform a [Homo sapiens]	S701	1.25	0.95	LLHEDLDEsDDDMDEK	1	2	2	0	2?TMTplex [N-Term; K16]; 1?Oxidation [M13(100)]; 1?Phospho [S9(100)]	S9(Phospho): 100; M13(Oxidation): 100	S(9): 100.0	LHEDLDEsDDDMDEK	S9;	High	2473.072968					1	1	46.47	High	1	4.249596119	High	0.7271	Yes
NP_004719.2	9188	50659095	DDX21	nucleolar RNA helicase 2 isoform 1 [Homo sapiens]	S71	1.31	0.76	AEPSEVDMNsPK	1	1	2	0	2?TMTplex [N-Term; K12]; 1?Oxidation [M8(100)]; 1?Phospho [S10(100)]	M8(Oxidation): 100; S10(Phospho): 100	S(4): 0.0; S(10): 100.0	PSEVDMNsPKSKKAK	S10;	High	1857.870567					1	1	46.47	High	0.6957	2.967301607	High	0.4444	Yes
NP_071440.1	64121	11995472	RRAGC	ras-related GTP-binding protein C isoform 1 [Homo sapiens]	S95	0.94	0.84	MSPNETLFLsTNK	1	2	2	0	2?TMTplex [N-Term; K14]; 1?Oxidation [M1(100)]; 1?Phospho [S11(98.8)]	M1(Oxidation): 100; S11(Phospho): 98.77	S(2): 0.0; T(6): 0.0; S(11): 98.8; T(12): 1.2	NETLFLsTNKIYKD	S11;	High	2165.060159					1	1	46.45	High	0.1739	4.899720192	High	0.051	Yes
NP_789784.2	168850	39753953	ZNF800	zinc finger protein 800 [Homo sapiens]	S647	0.36	1.23	ANASNsPEGNK	1	1	3	0	2?TMTplex [N-Term; K11]; 1?Phospho [S6(100)]	S6(Phospho): 100	S(4): 0.0; S(6): 100.0	HKANASNsPEGNKTK	S6;	High	1626.788886					1	1	46.42	High	0.4348	3.343705654	High	0.2246	Yes
NP_005222.2	3428	112789562	IFI16	gamma-interferon-inducible protein 16 isoform 2 [Homo sapiens]	S153	0.65	2.08	VSEEQTQPPsPAGAGMSTAMGR	1	1	12	0	1?TMTplex [N-Term]; 1?Oxidation [M20(100)]; 1?Deamidated [Q7(97.8)]; 1?Phospho [S10(100)]	Q7(Deamidated): 97.3; S10(Phospho): 100; M16(Oxidation): 97.3	S(2): 0.0; T(6): 0.0; S(10): 100.0; S(17): 0.0; T(18): 0.0	EEQTQPPsPAGAGMS	S10;	High	2515.104336	52.8	1.91	51.7	6.9	2	3	46.39	High	0.087	5.237566948	High	0.0439	Yes
NP_001003702.2	445328	270265795	ARHGEF35	rho guanine nucleotide exchange factor 35 [Homo sapiens]	S184	0.83	2.58	YYsPCEEHPAETNQNEGAESGTR	1	1	3	0	1?TMTplex [N-Term]; 1?Carbamidomethyl [C5]; 1?Phospho [S3(100)]	S3(Phospho): 100	Y(1): 0.0; Y(2): 0.0; S(3): 100.0; T(12): 0.0; S(20): 0.0; T(22): 0.0	SCQTRYYsPCEEHPA	S3;	High	3048.28799					1	1	46.39	High	0.2609	4.381130219	High	0.016	Yes
NP_056342.3	26000	167614488	TBC1D10B	TBC1 domain family member 10B [Homo sapiens]	S678	0.99	0.95	AAGGAPsPPPPVR	1	1	18	0	1?TMTplex [N-Term]; 1?Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	RAAGGAPsPPPPVRR	S7;	High	1482.766745	2.24	0.98	6.7	2.8	9	9	46.3	High	1	3.801343203	High	0.6763	Yes
NP_055502.1	9711	150456467	KIAA0226	run domain Beclin-1-interacting and cysteine-rich containing protein isoform 2 [Homo sapiens]	S410	1.48	0.98	SHsDTSIASR	1	2	4	0	1?TMTplex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; T(5): 0.0; S(6): 0.0; S(9): 0.0	KSHRSHsDTSIASR	S3;	High	1369.63104	19.38	119.04	42.3	371.8	2	2	46.3	High	0.0652	2.961994648	High	0.1689	Yes
NP_055888.1	23094	71143119	SIPA1L3	signal-induced proliferation-associated 1-like protein 3 [Homo sapiens]	S100	1.3	1.76	EHSNPsPSQDTDGTK	1	1	2	0	2?TMTplex [N-Term; K15]; 1?Phospho [S6(100)]	S6(Phospho): 100	S(3): 0.0; S(6): 100.0; S(8): 0.0; T(11): 0.0; T(14): 0.0	LREHSNPsPSQDTDG	S6;	High	2137.980328					1	1	46.29	High	0.1522	4.591555595	High	0.1264	Yes
NP_001243000.2	57674	59709777	RNF213	E3 ubiquitin-protein ligase RNF213 isoform 3 [Homo sapiens]	S217	1.61	0.98	GLsQEGTGPPTSAGEGHSR	1	2	2	0	1?TMTplex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(7): 0.0; T(11): 0.0; S(12): 0.0; S(18): 0.0	PSGGRGLsQEGTGPP	S3;	High	2133.976356					1	1	46.27	High	0.2826	5.37959671	High	0.1394	Yes
NP_006087.2	10397	37655183	NDRG1	protein NDRG1 isoform 1 [Homo sapiens]	S330; S333	1.25	1.03	TAsGSsVTSLDGTR	1	3	11	0	1?TMTplex [N-Term]; 2?Phospho [S3(100); S6(100)]	S3(Phospho): 98.81; S6(Phospho): 99.98	T(1): 0.0; S(3): 98.8; S(5): 1.2; S(6): 100.0; T(8): 0.0; S(9): 0.0; T(13): 0.0	LMRSRTAsGSSVTSLSRTASGSsVTSLDGT	S3; S6;	High	1727.745157	6.38	30.96	11.3	47.4	2	2	46.21	High	0.1957	4.253073215	High	0.0118	Yes;Yes
NP_659449.3	219771	32171247	CCNY	cyclin-Y isoform 1 [Homo sapiens]	S326	0.9	0.96	SAsADNLTLPR	1	4	4	0	1?TMTplex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 0.0; S(5): 100.0; T(8): 0.0	SARKRSAsADNLTLP	S3;	High	1453.72494	1.98	13.33	2.5	18.3	2	2	46.21	High	0.3478	4.061964035	High	0.1281	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1179	0.27	5.02	MALPPQEDATAsPPR	1	1	3	0	1?TMTplex [N-Term]; 1?Phospho [S12(100)]	S12(Phospho): 99.99	T(10): 0.0; S(12): 100.0	PQEDATAsPPRQKDK	S12;	High	1889.90298					1	1	46.21	High	0.1957	3.635986805	High	0.0495	Yes
NP_001104262.1	4204	160707950	MECP2	methyl-CpG-binding protein 2 isoform 2 [Homo sapiens]	S92	0.15	1.54	AETSEGSGSAPAVPEASAsPK	1	2	2	0	2?TMTplex [N-Term; K21]; 1?Phospho [S19(100)]	S19(Phospho): 99.98	T(3): 0.0; S(4): 0.0; S(7): 0.0; S(9): 0.0; S(17): 0.0; S(19): 100.0	AVPEASAsPKQRRSI	S19;	High	2468.1958					1	1	46.18	High	0.1739	3.080210686	High	0.0779	No
NP_003165.2	6840	150417971	SYIL	supervillin isoform 1 [Homo sapiens]	T426	0.29	0.48	YQQPVTLGEVEQVQSGK	1	2	3	0	2?TMTplex [N-Term; K18]; 1?Phospho [T3(100)]	T3(Phospho): 100	Y(1): 0.0; T(3): 100.0; T(7): 0.0; S(16): 0.0	RMNARYQQPVTLGE	T3;	High	2529.300205					1	1	46.16	High	0.3696	5.155198097	High	0.0349	Yes
NP_001136336.2	9780	257196142	PIEZO1	piezo-type mechanosensitive ion channel component 1 [Homo sapiens]	S1646	1.07	0.71	TAsELLIDR	1	1	2	0	1?TMTplex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0	QGLMRTAsELLIDRR	S3;	High	1326.686764					1	1	46.16	High	0.3261	2.850840092	High	0.1895	Yes
NP_001119526.1	8573	186700627	CASK	peripheral plasma membrane protein CASK isoform 2 [Homo sapiens]	S577	0.76	0.88	TQSSsCEDLPSTTQPK	1	2	8	0	2?TMTplex [N-Term; K16]; 1?Carbamidomethyl [C6]; 1?Phospho [S5(99)]	S5(Phospho): 99.03	T(1): 0.0; S(3): 0.0; S(4): 1.0; S(5): 99.0; S(11): 0.0; T(12): 0.0; T(13): 0.0	SYRTQSSsCEDLPST	S5;	High	2304.083079	9.61	0.01	12.6	0	3	3	46.15	High	0.1522	5.273296833	High	0.0323	No
NP_061155.2	54443	31657094	ANLN	actin-binding protein anillin isoform 1 [Homo sapiens]	S54	0.74	0.48	QPLSEASNQQPIsGGEEK	1	3	2	0	2?TMTplex [N-Term; K18]; 1?Phospho [S13(100)]	S13(Phospho): 100	S(4): 0.0; S(7): 0.0; S(13): 100.0	ASNQQPIsGGEEKSC	S13;	High	2437.20122					1	1	46.13	High	0.7391	4.246439934	High	0.52	Yes
NP_055726.3	22848	148277037	AAK1	AP2-associated protein kinase 1 [Homo sapiens]	S678	0.43	0.35	SATTTPSGsPR	1	1	3	0	1?TMTplex [N-Term]; 1?Phospho [S9(100)]	S9(Phospho): 99.99	S(1): 0.0; T(3): 0.0; T(4): 0.0; T(5): 0.0; S(7): 0.0; S(9): 100.0	ATTTPSGsPRTSQQN	S9;	High	1370.651441					1	1	46.13	High	0.413	2.907999516	High	0.1821	Yes
NP_001070020.2	55902	253970489	ACSS2	acetyl-coenzyme A synthetase, cytoplasmic isoform 2 [Homo sapiens]	S12	3.24	0.57	SGsGSRQQEEAGAGGR	1	2	10	1	1?TMTplex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 99.98	S(1): 0.0; S(3): 100.0; S(5): 0.0	EERVRSGsGSRQQEE	S3;	High	1771.792104	1.04	23.11	5.8	23.3	3	3	46.12	High	0.0217	3.722613335	High	0.0403	Yes
NP_002347.5	4082	153070260	MARCKS	myristoylated alanine-rich C-kinase substrate [Homo sapiens]	T150	1.04	1.56	AEDGATPSPSNEtPK	1	1	5	0	2?TMTplex [N-Term; K15]; 1?Deamidated [N11(100)]; 1?Phospho [T13(100)]	N11(Deamidated): 100; T13(Phospho): 100	T(6): 0.0; S(8): 0.0; S(10): 0.0; T(13): 100.0	TPSPSNEtPKKKKKR	T13;	High	2039.957468	6.61	7.37	9.8	16.4	2	2	46.11	High	0.2609	4.880970478	High	0.166	Yes
NP_005883.2	752	33356148	FMNL1	formin-like protein 1 [Homo sapiens]	S624	1.72	1.48	RDsELGPGVK	1	1	2	1	2?TMTplex [N-Term; K10]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	DALGRRDsELGPGVK	S3;	High	1595.855844					1	1	46.1	High	0.8478	5.387962818	High	0.6679	Yes
NP_060944.3	55857	118150654	KIZ	centrosomal protein kinzna isoform 1 [Homo sapiens]	S623	0.47	0.45	IASEASFSSSEGsPLSR	1	4	4	0	1?TMTplex [N-Term]; 1?Phospho [S13(100)]	S13(Phospho): 99.98	S(3): 0.0; S(6): 0.0; S(8): 0.0; S(9): 0.0; S(10): 0.0; S(13): 100.0; S(16): 0.0	SFSSSEGsPLSRHEN	S13;	High	2020.942596	29.2	69.01	19.7	45.7	2	2	46.08	High	0.1304	5.69562006	High	0.107	No
NP_116254.4	84951	157738639	TNS4	tensin-4 precursor [Homo sapiens]	S248; S253	0.9	1.73	ASSPHGLGsPLVAsPR	1	1	2	0	1?TMTplex [N-Term]; 2?Phospho [S9(100); S14(100)]	S9(Phospho): 100; S14(Phospho): 100	S(2): 0.0; S(3): 0.0; S(9): 100.0; S(14): 100.0	SSPHGLGsPLVASPRLGSPLVAsPRLEKRL	S9; S14;	High	1921.91356					1	1	46.02	High	0.6957	3.936800957	High	0.6929	Yes;Yes
NP_001035847.1	9989	108936953	PPP4R1	serine/threonine-protein phosphatase 4 regulatory subunit 1 isoform a [Homo sapiens]	S944	1.7	1.1	ISEDAMsTASSTY	1	2	3	0	1?TMTplex [N-Term]; 1?Oxidation [M6(100)]; 1?Phospho [S7(98.3)]	M6(Oxidation): 100; S7(Phospho): 98.32	S(2): 0.0; S(7): 98.3; T(8): 1.7; S(10): 0.0; S(11): 0.0; T(12): 0.0; Y(13): 0.0	KISEDAMsTASSTY_	S7;	High	1687.69713					1	1	46.02	High	0.0435	2.895209551	High	0.0724	Yes
NP_001070666.1	79065	116089282	ATG9A	autophagy-related protein 9A [Homo sapiens]	S675	1.35	0.56	AHSTMTGsGVDAR	1	1	2	0	1?TMTplex [N-Term]; 1?Oxidation [M5(100)]; 1?Phospho [S8(97.7)]	M5(Oxidation): 100; S8(Phospho): 97.71	S(3): 0.0; T(4): 0.0; T(6): 2.3; S(8): 97.7	AHSTMTGsGVDARTA	S8;	High	1614.714452					1	1	45.98	High	0.2609	4.409592628	High	0.0884	Yes
NP_001078923.1	28964	146231998	GIT1	ARF GTPase-activating protein GIT1 isoform 1 [Homo sapiens]	S601	1.71	0.48	HGsGADSDYENTQSGDPLLGLEGK	1	2	3	0	2?TMTplex [N-Term; K24]; 1?Phospho [S3(97.8)]	S3(Phospho): 97.75	S(3): 97.8; S(7): 2.3; Y(9): 0.0; T(12): 0.0; S(14): 0.0	SKLSRIGsGADSDYE	S3;	High	2985.38791					1	1	45.98	High	0.087	4.353562355	High	0.0391	No
NP_003740.2	8660	38683860	IRS2	insulin receptor substrate 2 [Homo sapiens]	S391	1.84	0.83	TASEGDGGAAAGAAAAGARPVSVAGSPLaPGPVR	1	1	5	0	1?TMTplex [N-Term]; 1?Phospho [S29(100)]	S29(Phospho): 100	T(1): 0.0; S(3): 0.0; S(22): 0.0; S(26): 0.0; S(29): 100.0	SVAGSPLaPGPVRAP	S29;	High	3241.616398	33.57	15.49	107.2	18.4	2	2	45.94	High	0.0652	10.90721512	High	0.0953	Yes
NP_005100.1	9943	4826878	OXSR1	serine/threonine-protein kinase OSR1 [Homo sapiens]	T430	0.92	5.5	TAQALSSCGSQSEtK	1	1	3	0	2?TMTplex [N-Term; K15]; 1?Phospho [T14(99)]	T14(Phospho): 99.05	T(1): 0.0; S(6): 0.0; S(7): 0.0; S(9): 0.0; S(11): 1.0; T(14): 99.1	SGSGSQEtKIPSLV	T14;	High	1989.989436					1	1	45.91	High	0.1957	5.349371433	High	0.0785	Yes
NP_001166925.1	5160	291084742	PDHA1	pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial isoform 2 precursor [Homo sapiens]	S331	0.65	0.12	YHGHsMSDPGVSYR	1	5	3	0	1?TMTplex [N-Term]; 1?Oxidation [M6(100)]; 1?Phospho [S5(100)]	S5(Phospho): 100; M6(Oxidation): 100	Y(1): 0.0; S(3): 100.0; S(7): 0.0; S(12): 0.0; Y(13): 0.0	TYRYHGHsMSDPGVS	S5;	High	1917.815228					1	1	45.9	High	0.413	4.377101421	High	0.016	No
NP_001123528.1	1936	194239729	EEF1D	elongation factor 1-delta isoform 4 [Homo sapiens]	S109	0.33	1.68	ATAPQTQHVsPMR	1	4	6	0	1?TMTplex [N-Term]; 1?Phospho [S10(100)]	S10(Phospho): 100	T(2): 0.0; T(6): 0.0; S(10): 100.0	APQTQHVsPMRQVEP	S10;	High	1732.840321	138.87	8.43	94.9	24.9	3	3	45.88	High	0.2826	5.972497463	High	0.1792	No
NP_055706.1	11333	7657441	PDAP1	28 kDa heat- and acid-stable phosphoprotein [Homo sapiens]	S60; S63	0.34	1.31	SLDsDEsDEEDDYQQK	1	1	4	0	2?TMTplex [N-Term; K17]; 2?Phospho [S4(100); S7(100)]	S4(Phospho): 99.99; S7(Phospho): 100	S(1): 0.0; S(4): 100.0; S(7): 100.0; Y(14): 0.0	KEKKSLDsDESDEDEKSLDSDEsEDEEDDY	S4; S7;	High	2650.037049					1	1	45.88	High	0.0435	5.554215908	High	0.236	Yes;Yes
NP_003474.1	8091	45044431	HMGA2	high mobility group protein HMGI-C isoform a [Homo sapiens]	S44	1.9	1.79	QQQEPTGEPsPK	1	4	6	0	2?TMTplex [N-Term; K12]; 1?Phospho [S10(100)]	S10(Phospho): 100	T(6): 0.0; S(10): 100.0	QEPTGEPsPKRPRGR	S10;	High	1863.925379	14.02	1.39	48.8	4.3	3	3	45.87	High	0.5217	4.754069805	High	0.4316	Yes
NP_803136.2	147700	91825557	KLC3	kinesin light chain 3 [Homo sapiens]	S167	0.61	1.59	QYDPPAESQQSEsPPRR	1	1	4	1	1?TMTplex [N-Term]; 1?Phospho [S13(100)]	S13(Phospho): 99.99	Y(2): 0.0; S(8): 0.0; S(11): 0.0; S(13): 100.0	AESQQSEsPPRRDSL	S13;	High	2281.04477					1	1	45.86	High	0.4565	5.781829357	High	0.0381	Yes
NP_612144.1	151636	19923717	DTX3L	E3 ubiquitin-protein ligase DTX3L [Homo sapiens]	S532	0.95	0.32	EGHETPMDDsDDSK	1	1	2	0	2?TMTplex [N-Term; K15]; 1?Oxidation [M7(100)]; 1?Phospho [S11(98.7)]	M7(Oxidation): 100; S11(Phospho): 98.7	T(5): 0.0; S(11): 98.7; S(14): 1.3	ETPMDDsDDSKAAS	S11;	High	2229.962295					1	1	45.86	High	0.3913	5.161205292	High	0.1202	Yes
NP_057480.2	51496	100815975	CTDSPL2	CTD small phosphatase-like protein 2 [Homo sapiens]	S165	1.12	1.34	NGTSGSDsPGQAVEAEEIVK	1	1	2	0	2?TMTplex [N-Term; K20]; 1?Deamidated [N1(100)]; 1?Phospho [S8(99.9)]	N1(Deamidated): 100; S8(Phospho): 99.93	T(3): 0.0; S(4): 0.0; S(6): 0.0; S(8): 99.9	NGTSGSDsPGQAVEA	S8;	High	2514.20128					1	1	45.86	High	0.1957	4.03360939	High	0.0769	Yes
NP_000867.2	3482	119964726	IGF2R	cation-independent mannose-6-phosphate receptor precursor [Homo sapiens]	S2484	0.38	0.37	LVSFHDDsDEDLLHI	1	1	2	0	1?TMTplex [N-Term]; 1?Phospho [S8(100)]	S8(Phospho): 100	S(3): 0.0; S(8): 100.0	LVSFHDDsDEDLLHI	S8;	High	2063.952433					1	1	45.84	High	0.8043	4.999631405	High	0.398	Yes
NP_997263.2	388115	155029552	C15orf52	uncharacterized protein C15orf52 [Homo sapiens]	S193	1.62	1.13	NQGIEGsPGGR	1	1	2	0	1?TMTplex [N-Term]; 1?Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	RNQGIEGsPGGRVTR	S7;	High	1380.647024					1	1	45.84	High	0.9565	2.742964029	High	0.573	Yes
NP_055446.2	9644	55749544	SH3PXD2A	SH3 and PX domains-containing protein 2A [Homo sapiens]	S1015	0.72	1.7	AASQGSDsPLLPAQR	1	1	5	0	1?TMTplex [N-Term]; 1?Phospho [S8(100)]	S8(Phospho): 100	S(3): 0.0; S(6): 0.0; S(8): 100.0	AASQGSDsPLLPAQR	S8;	High	1806.894859	57.52	28.27	63.8	76.7	2	2	45.83	High	0.1087	5.856771433	High	0.1075	No
NP_006658.1	10857	5729875	PGRMC1	membrane-associated progesterone receptor component 1 isoform 1 [Homo sapiens]	S181	1.72	1.19	EGEEPTVVyDEEEPKDESAR	1	2	11	1	2?TMTplex [N-Term; K15]; 1?Phospho [S9(100)]	S9(Phospho): 100	T(6): 0.0; Y(8): 0.0; S(9): 100.0; S(18): 0.0	GEEPTVYsDEEEPKD	S9;	High	2834.26573	2.54	5.97	8.8	14.3	4	4	45.81	High	0.2391	5.729850769	High	0.075	Yes
NP_057722.3	51329	507834124	ARL6IP4	ADP-ribosylation factor-like protein 6-interacting protein 4 isoform 2 [Homo sapiens]	S313	0.85	1.08	sAGEEEDGPVLTDEQK	1	6	4	0	2?TMTplex [N-Term; K16]; 1?Deamidated [Q15(100)]; 1?Phospho [S1(100)]	S1(Phospho): 100; Q15(Deamidated): 100	S(1): 100.0; T(12): 0.0	SLDQWHRsAGEEEDG	S1;	High	2243.03684	20.47	14.35	25.1	22.2	2	2	45.8	High	0.9565	4.523782273	High	0.573	No
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S658	1.32	1.15	RIDtPSTLR	1	4	8	1	1?TMTplex [N-Term]; 1?Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(7): 0.0; T(8): 0.0	IHRRIDtPSTLRKH	S5;	High	1466.79296	3.04	1.46	9	3.8	5	5	45.78	High	0.3261	3.732244253	High	0.1153	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S511	2.76	0.37	ISMQDVDLSLGsPK	1	1	2	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗOxidation [M3(100)]; 1ﾗPhospho [S12(100)]	M3(Oxidation): 100; S12(Phospho): 100	S(2): 0.0; S(9): 0.0; S(12): 100.0	DVDLSLGsPKLKGDI	S12;	High	2044.04378					1	1	45.77	High	0.0652	5.206556797	High	0.261	Yes
NP_064504.2	56829	27477136	ZC3HAV1	zinc finger CCCH-type antiviral protein 1 isoform 1 [Homo sapiens]	T273	1.24	0.69	SCtPSPDQISHR	1	2	6	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C2]; 1ﾗPhospho [S5(100)]	T3(Phospho): 98.59	S(1): 1.4; T(3): 98.6; S(5): 0.0; S(10): 0.0	ASAERSCtPSPDQIS	T3;	High	1693.756651	70.18	105.17	187.3	136.3	2	2	45.76	High	0.413	3.739524603	High	0.0321	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S974	0.93	0.58	YSHSGSSsPDTK	1	1	10	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S8(98.9)]	S8(Phospho): 99.01	Y(1): 0.0; S(2): 0.0; S(4): 0.0; S(6): 0.0; S(7): 1.0; S(8): 99.0; T(11): 0.0	YSHSGSSsPDTKVKP	S8;	High	1790.83623	12.05	1.03	19.6	1	3	3	45.74	High	0.0435	4.981949329	High	0.0201	Yes
NP_060740.1	55257	8922764	MRGBP	MRG/MORF4L-binding protein [Homo sapiens]	S195	1.43	1.2	VLTANSNPSsPSAAK	1	1	2	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [S10(100)]	S10(Phospho): 99.99	T(3): 0.0; S(6): 0.0; S(9): 0.0; S(10): 100.0; S(12): 0.0	TANSNPSsPSAAKRR	S10;	High	1982.035992					1	1	45.73	High	0.1957	3.740359068	High	0.123	Yes
NP_001003699.1	6239	51173737	RREB1	ras-responsive element-binding protein 1 isoform 1 [Homo sapiens]	S1122	1.21	1.12	AATTATPAATTsPK	1	3	8	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S12(100)]	S12(Phospho): 98.19	T(3): 0.0; T(4): 0.0; T(6): 0.0; T(10): 0.9; T(11): 0.9; S(12): 98.2	ATPAATTsPKESSEP	S12;	High	1826.966516					1	1	45.71	High	0.0652	4.473315716	High	0.0694	Yes
NP_733793.2	9462	226958575	RASAL2	ras GTPase-activating protein nGAP isoform 2 [Homo sapiens]	S134	3.97	5.55	TVsVPSEGQFPEYPPEGATK	1	1	17	0	2ﾗTMT6plex [N-Term; K20]; 1ﾗPhospho [S3(99)]	S3(Phospho): 98.98	T(1): 1.0; S(3): 99.0; S(6): 0.0; Y(13): 0.0; T(19): 0.0	RCLRRTVsVPSEGQF	S3;	High	2658.310436					1	1	45.71	High	0.1739	3.397933722	High	0.0412	Yes
NP_003080.2	6625	29568103	SNRNP70	U1 small nuclear ribonucleoprotein 70 kDa isoform 1 [Homo sapiens]	S320	1.12	0.87	GGGGDMAEPsEAGDAPPDDGPPGELGPDGPDGPEEK	1	2	3	0	2ﾗTMT6plex [N-Term; K36]; 1ﾗOxidation [M6(100)]; 1ﾗPhospho [S10(100)]	M6(Oxidation): 100; S10(Phospho): 100	S(10): 100.0	GGDMAEPsEAGDAPP	S10;	High	3927.679202					1	1	45.69	High	0.8696	5.416554928	High	0.6624	Yes
NP_542416.1	5783	18375650	PTPN13	tyrosine-protein phosphatase non-receptor type 13 isoform 4 [Homo sapiens]	S908; S911	0.18	0.27	AIsTGsLASSTLNK	1	3	2	0	2ﾗTMT6plex [N-Term; K14]; 2ﾗPhospho [S3(99.2); S6(100)]	S3(Phospho): 99.2; S6(Phospho): 99.99	S(3): 99.2; T(4): 0.8; S(6): 100.0; S(9): 0.0; S(10): 0.0; T(11): 0.0	FNMGRAIsTGSLASS;GRAISTGsLASSTLN	S3; S6;	High	1967.985611					1	1	45.68	High	0.0652	3.308087587	High	0.574	Yes;Yes
NP_060110.4	55604	291190781	LRRC16A	leucine-rich repeat-containing protein 16A isoform 1 [Homo sapiens]	S1331	1.09	0.88	sWGQQAQEYQEQK	1	2	2	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; Y(9): 0.0	SQEVSRRsWGQQAQE	S1;	High	2148.01632					1	1	45.65	High	0.9783	7.126362801	High	0.5835	Yes
NP_997201.1	139231	58743369	FAM199X	protein FAM199X [Homo sapiens]	S316	0.83	1.02	AHsDSNLSASAAER	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; S(8): 0.0; S(10): 0.0	ANMSRAHsDSNLSAS	S3;	High	1724.780223					1	1	45.65	High	0.3696	4.977173328	High	0.1386	Yes
NP_001242941.1	4628	365192532	MYH10	myosin-10 isoform 1 [Homo sapiens]	S1987	1.86	0.66	QLHLEGASLELsDDDTESKTSDVNETQPPQSE	1	3	11	1	2ﾗTMT6plex [N-Term; K19]; 1ﾗPhospho [S12(99.9)]	S12(Phospho): 99.93	S(8): 0.1; S(12): 99.9; T(16): 0.0; S(18): 0.0; T(20): 0.0; S(21): 0.0; T(26): 0.0; S(31): 0.0	EGASLELsDDDTESK	S12;	High	4037.875259					1	1	45.64	High	0.0435	5.955275059	High	0.047	No
NP_891554.1	79778	33667117	MICALL2	MICAL-like protein 2 [Homo sapiens]	S153	0.72	0.51	KPPLsPAQTNPVVQR	1	1	2	0	2ﾗTMT6plex [N-Term; K]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; T(9): 0.0	PARKPPLsPAQTNPV	S5;	High	2170.21496					1	1	45.61	High	0.6739	4.885639668	High	0.2638	Yes
NP_056371.1	26037	7662126	SIPA1L1	signal-induced proliferation-associated 1-like protein 1 isoform 1 [Homo sapiens]	S1433	1.01	1.41	HSAsPVVFTSAR	1	4	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(2): 0.0; S(4): 100.0; T(9): 0.0; S(10): 0.0	MSSRHSAsPVVFTSA	S4;	High	1567.783123	6.08	4.83	8.7	9.7	2	2	45.59	High	0.0652	5.012372494	High	0.0878	Yes
NP_733793.2	9462	226958575	RASAL2	ras GTPase-activating protein nGAP isoform 2 [Homo sapiens]	S899	1.31	1.26	ETQSTPQsAPQVR	1	2	6	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q11(100)]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100; Q11(Deamidated): 100	T(2): 0.0; S(4): 0.0; T(5): 0.0; S(8): 100.0	ETQSTPQsAPQVRRP	S8;	High	1738.821025	1.82	2.44	4.1	5.3	3	3	45.57	High	0.3261	4.235470772	High	0.1863	No
NP_006247.1	5586	5453974	PKN2	serine/threonine-protein kinase N2 [Homo sapiens]	T516	2.8	2.73	APQMNINIAtWGR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M4(100)]; 1ﾗPhospho [T10(100)]	M4(Oxidation): 100; T10(Phospho): 100	T(10): 100.0	QMNINIAtWGRLVRR	T10;	High	1796.871621					1	1	45.55	High	1	3.589790106	High	0.5961	Yes
NP_997245.2	343990	116256464	KIAA1211L	uncharacterized protein KIAA1211-like [Homo sapiens]	S113	0.2	0.25	VFsQENVCDR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C8]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	TRPVRVFsQENVCDR	S3;	High	1562.687174					1	1	45.55	High	0.9565	3.285167933	High	0.4134	Yes
NP_005236.2	2195	66346693	FAT1	protocadherin Fat 1 precursor [Homo sapiens]	T152	0.92	1.08	VQVLDTNDLRPLFSPtSYSVSLPENTAIR	1	1	11	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T16(95.8)]	T16(Phospho): 95.81	T(6): 0.0; S(14): 2.1; T(16): 95.8; S(17): 2.1; Y(18): 0.0; S(19): 0.0; S(21): 0.0; T(26): 0.0	LRPLFSPtSYSVSLP	T16;	High	3541.814095					1	1	45.53	High	0.0652	6.052681923	High	0.0149	Yes
NP_001268704.1	23613	528881278	ZMYND8	protein kinase C-binding protein 1 isoform i [Homo sapiens]	S567	0.27	2.52	ELSESVQQQSTPVPLIsPK	1	17	3	0	2ﾗTMT6plex [N-Term; K19]; 1ﾗPhospho [S17(100)]	S17(Phospho): 100	S(3): 0.0; S(5): 0.0; S(10): 0.0; T(11): 0.0; S(17): 100.0	STPVPLIsPKRQIRS	S17;	High	2605.38902					1	1	45.51	High	0.6304	3.273704052	High	0.4495	No
NP_055635.3	9868	54607135	TOMM70A	mitochondrial import receptor subunit TOM70 [Homo sapiens]	S91	0.51	0.38	AsPAPGSGHPEGPGAHLDMNSLDR	1	1	6	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M19(100)]; 1ﾗPhospho [S2(100)]	S2(Phospho): 100; M19(Oxidation): 100	S(2): 100.0; S(7): 0.0; S(21): 0.0	KTPEGRAsPAPGSGH	S2;	High	2695.213309	36.18	145.2	32.9	121	3	3	45.5	High	0.1304	7.958348274	High	0.1872	Yes
NP_005221.2	2004	44955921	ELK3	ETS domain-containing protein Elk-3 isoform 1 [Homo sapiens]	S396	2.72	0.61	AAsPVLLSSNSQKS	1	2	2	1	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(8): 0.0; S(9): 0.0; S(11): 0.0; S(14): 0.0	PSLDRAAsPVLLSSN	S3;	High	1927.030179					1	1	45.5	High	0.8478	4.706840515	High	0.4713	Yes
NP_005236.2	2195	66346693	FAT1	protocadherin Fat 1 precursor [Homo sapiens]	S4473	1.02	0.43	DMPAAGsLGSSSR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M2(100)]; 1ﾗPhospho [S7(100)]	M2(Oxidation): 100; S7(Phospho): 100	S(7): 100.0; S(10): 0.0; S(11): 0.0; S(12): 0.0	RDMPAAGsLGSSSRN	S7;	High	1560.692654	6.96	12.41	10.1	7.5	2	2	45.5	High	0.2609	2.841271877	High	0.2746	Yes
NP_060644.4	55201	50428935	MAP1S	microtubule-associated protein 1S isoform 1 [Homo sapiens]	S759	1.87	0.59	KAVPMAPAPAsPGSSNDSSAR	1	2	4	1	2ﾗTMT6plex [N-Term; K]; 1ﾗOxidation [M5(100)]; 1ﾗPhospho [S11(100)]	M5(Oxidation): 100; S11(Phospho): 100	S(11): 100.0; S(14): 0.0; S(15): 0.0; S(18): 0.0; S(19): 0.0	PMAPAPAsPGSSNDS	S11;	High	2552.258023	18.41	3.94	51.7	3.3	2	2	45.47	High	0.4	6.19251442	High	0.0695	Yes
NP_060628.2	22950	155722990	SLC4A1AP	kanadaptin [Homo sapiens]	S312	1.16	0.67	MLGEDsDEEEEMDTSER	1	1	7	0	1ﾗTMT6plex [N-Term]; 2ﾗOxidation [M1(100); M12(100)]; 1ﾗPhospho [S6(100)]	M1(Oxidation): 100; S6(Phospho): 100; M12(Oxidation): 100	S(6): 100.0; T(14): 0.0; S(15): 0.0	KKMLGEDsDEEEEMD	S6;	High	2342.872664	0.79	79.6	1.6	117.2	3	3	45.46	High	0.8444	4.890781879	High	0.4581	Yes
NP_006132.1	1783	5453634	DYNC1LI2	cytoplasmic dynein 1 light intermediate chain 2 isoform 1 [Homo sapiens]	S194	1.04	1.35	DFQDYMEPEEGCQGsPQR	1	2	5	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C12]; 1ﾗOxidation [M6(100)]; 1ﾗPhospho [S15(100)]	M6(Oxidation): 100; S15(Phospho): 100	Y(5): 0.0; S(15): 100.0	PEEGCQGsPQRRGPL	S15;	High	2497.983886	12.15	15.61	18.1	30.6	2	2	45.44	High	0.8667	5.725647926	High	0.5654	Yes
NP_001234926.1	6249	351542242	CLIP1	CAP-Gly domain-containing linker protein 1 isoform c [Homo sapiens]	S195; S200; S20	2.61	1.41	TASEsISNLsEAGsIK	1	3	2	0	2ﾗTMT6plex [N-Term; K16]; 3ﾗPhospho [S5(99.9); S10(100); S14(100)]	S5(Phospho): 99.94; S10(Phospho): 100; S14(Phospho): 100	T(1): 0.0; S(3): 0.0; S(5): 99.9; S(7): 0.0; S(10): 100.0; S(14): 100.0	LTKTASEsISNLSEA;SESISNLsEAGSIKK;SNLSEAGsIKKGERE	S5; S10; S14;	High	2292.021478					1	1	45.41	High	0.1111	3.048746586	High	0.1148	Yes;Yes;Yes
NP_001157945.1	54874	256600192	FNBP1L	formin-binding protein 1-like isoform 3 [Homo sapiens]	S295	0.68	1.87	TIsDGTISASK	1	3	2	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; T(6): 0.0; S(8): 0.0; S(10): 0.0	QHIYRTIsDGTISAS	S3;	High	1617.850089					1	1	45.37	High	0.4222	3.966490746	High	0.1637	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1666	1.07	1.16	sAEEGELAESK	1	1	3	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(10): 0.0	KLRPRNRsAEEGELA	S1;	High	1687.819183	15.7	1.79	24.1	2.9	2	2	45.35	High	0.9333	3.962857008	High	0.5631	Yes
NP_002005.1	2288	4503729	FKBP4	peptidyl-prolyl cis-trans isomerase FKBP4 [Homo sapiens]	S451	3.64	0.83	SNTAGsQSQVETEA	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 99.99	S(1): 0.0; T(3): 0.0; S(6): 100.0; S(8): 0.0; T(12): 0.0	QKSNTAGsQSQVETE	S6;	High	1717.74792					1	1	45.35	High	0.2889	2.575116396	High	0.155	Yes
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S892	0.48	0.5	RGsPTTGFIEQK	1	1	3	1	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(5): 0.0; T(6): 0.0	GFSTRRGsPTTGFIE	S3;	High	1858.982835					1	1	45.34	High	0.3556	6.32499361	High	0.1424	Yes
NP_006519.1	7980	5730091	TFPI2	tissue factor pathway inhibitor 2 isoform 1 precursor [Homo sapiens]	S168	4.69	13.33	DEGLCsANVTR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C5]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; T(10): 0.0	PKDEGLCsANVTRYY	S6;	High	1530.682089	2.81	5.77	18.8	150.6	2	2	45.34	High	0.5556	3.430939674	High	0.172	No
NP_004897.2	9589	21361159	WTAP	pre-mRNA-splicing regulator WTAP isoform 1 [Homo sapiens]	S306	1.29	1.01	EGNTTEDDFPSsPGNGNK	1	1	5	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S12(100)]	S12(Phospho): 99.99	T(4): 0.0; T(5): 0.0; S(11): 0.0; S(12): 100.0	TEDDFPSsPGNGNKS	S12;	High	2404.070599	1.96	9.59	3.6	13.8	2	2	45.32	High	0.2	4.727476597	High	0.0782	Yes
NP_001265199.1	10474	507417954	TADA3	transcriptional adapter 3 isoform a [Homo sapiens]	T297	1.12	1.56	ESGADGAStSPR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T9(98)]	T9(Phospho): 97.97	S(2): 0.0; S(8): 1.0; T(9): 98.0; S(10): 1.0	SGADGAStSPRNQNK	T9;	High	1443.631433					1	1	45.32	High	0.1333	2.74113369	High	0.0438	No
NP_116114.1	84811	14249338	BUD13	BUD13 homolog isoform 1 [Homo sapiens]	S271	1.75	0.65	HDsPDLAPNVTYSLPR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(11): 0.0; Y(12): 0.0; S(13): 0.0	LRRARHDsPDLAPNV	S3;	High	2091.010951	12.84	109.76	32.5	133.7	2	2	45.31	High	1	4.757069588	High	0.7101	Yes
NP_056418.1	26093	7661690	CCDC9	coiled-coil domain-containing protein 9 [Homo sapiens]	S386	1.73	1.07	EGAASPAPETPQPTsPETSPK	1	1	9	0	2ﾗTMT6plex [N-Term; K21]; 1ﾗPhospho [S15(100)]	S15(Phospho): 99.97	S(5): 0.0; T(10): 0.0; T(14): 0.0; S(15): 100.0; T(18): 0.0; S(19): 0.0	PETPQPTsPETSPKE	S15;	High	2617.279864	2.71	9.36	9.4	20.2	4	4	45.3	High	0.0222	4.719560623	High	0.0148	Yes
NP_055847.1	23047	7657269	PDS5B	sister chromatid cohesion protein PDS5 homolog B [Homo sapiens]	S1257	0.79	0.76	GHTAsESDEQQWPEEK	1	1	7	0	2ﾗTMT6plex [N-Term; K16]; 1ﾗPhospho [S5(99.3)]	S5(Phospho): 99.24	T(3): 0.8; S(5): 99.2; S(7): 0.0	RKRGHTAsESDEQQW	S5;	High	2396.08077	3.27	16.42	4.5	21.9	3	3	45.29	High	0.2889	6.175480366	High	0.0631	Yes
NP_057216.2	50804	33620747	MYEF2	myelin expression factor 2 isoform a [Homo sapiens]	S17	0.83	2.42	AEVPGATGGDsPHLQPAEPPGEPR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(98.3)]	S11(Phospho): 98.32	T(7): 1.7; S(11): 98.3	PGATGGDsPHLQPAE	S11;	High	2675.26639					1	1	45.27	High	0.1556	4.858286381	High	0.0864	Yes
NP_000225.1	3978	4557719	LIG1	DNA ligase 1 isoform 1 [Homo sapiens]	S66	1.21	1.62	VLGsEGEEEDEALSPAK	1	3	6	0	2ﾗTMT6plex [N-Term; K17]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(14): 0.0	KAARVLGsEGEEEDE	S4;	High	2298.115424	4.72	6.12	9.9	17.3	3	3	45.24	High	1	5.668007851	High	0.6138	Yes
NP_001002909.1	23131	50962882	GPATCH8	G patch domain-containing protein 8 isoform 1 [Homo sapiens]	S1107	0.72	1.39	KPsVSEEVQATPNK	1	3	3	0	3ﾗTMT6plex [N-Term; K14; K]; 1ﾗDeamidated [N13(100)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100; N13(Deamidated): 100	S(3): 100.0; S(5): 0.0; T(11): 0.0	RKVERKPsVSEEVQA	S3;	High	2282.224805					1	1	45.22	High	0.2	5.929115295	High	0.0455	Yes
NP_001273768.1	10160	558472848	FARP1	FERM, RhoGEF and pleckstrin domain-containing protein 1 isoform 3 [Homo sapiens]	S427	7.98	7.84	VSAGEPGSHPsPAPR	1	2	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	S(2): 0.0; S(8): 0.0; S(11): 100.0	GEPGSHPsPAPRRSP	S11;	High	1754.842429					1	1	45.21	High	0.1556	4.376482487	High	0.2397	Yes
NP_004313.1	572	10835069	BAD	bcl2 antagonist of cell death [Homo sapiens]	S75	1.45	0.42	HSsYPAGTEDDEGMGEEPSPFR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M14(100)]; 1ﾗPhospho [S3(97.7)]	S3(Phospho): 97.69; M14(Oxidation): 100	S(2): 2.3; S(3): 97.7; Y(4): 0.0; T(8): 0.0; S(19): 0.0	EIRSRHSsYPAGTED	S3;	High	2720.102087					1	1	45.2	High	0.0444	3.236387253	High	0.0525	Yes
NP_056025.2	23255	163644316	MTCL1	microtubule cross-linking factor 1 [Homo sapiens]	S416	0.19	10.59	REGPVGGEsDSEEMFEK	1	1	2	1	2ﾗTMT6plex [N-Term; K17]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0; S(11): 0.0	EGPVGGEsDSEEMFE	S9;	High	2421.104542					1	1	45.17	High	0.1111	4.04109478	High	0.2104	No
NP_003162.2	6832	31543667	SUPV3L1	ATP-dependent RNA helicase SUPV3L1, mitochondrial isoform 1 [Homo sapiens]	S725	1	1.57	ATEPPsPDAGELSLASR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	T(2): 0.0; S(6): 100.0; S(13): 0.0; S(16): 0.0	SKATEPPsPDAGELS	S6;	High	2006.963332	33.85	10.89	50.9	24.6	2	2	45.17	High	0.4444	3.504630327	High	0.2029	Yes
NP_778236.2	317781	154759257	DDX51	ATP-dependent RNA helicase DDX51 [Homo sapiens]	S83	1.12	1.17	VNDAEPGsPEAPQGK	1	1	3	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0	VNDAEPGsPEAPQGK	S8;	High	2033.994522					1	1	45.16	High	1	4.786045074	High	0.6952	Yes
NP_001737.1	821	10716563	CANX	calnexin precursor [Homo sapiens]	S564	1.21	1.26	SDAEEDGGTVsQEEEDRKPK	1	1	2	1	3ﾗTMT6plex [N-Term; K18; K20]; 1ﾗPhospho [S11(100)]	S11(Phospho): 99.99	S(1): 0.0; T(9): 0.0; S(11): 100.0	EEDGGTVsQEEEDRK	S11;	High	2973.42933					1	1	45.15	High	0.2222	2.875504732	High	0.0694	Yes
NP_077003.1	79080	13129104	CCDC86	coiled-coil domain-containing protein 86 [Homo sapiens]	S47	2.36	1.84	ALVEFESNPEETREPGsPPSVQR	1	1	8	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S17(100)]	S17(Phospho): 99.96	S(7): 0.0; T(12): 0.0; S(17): 100.0; S(20): 0.0	EETREPGsPPSVQRA	S17;	High	2864.366498	0.72	7.24	3	23.4	3	3	45.14	High	0.2667	6.069259167	High	0.0774	Yes
NP_150241.2	5371	67089149	PML	protein PML isoform 1 [Homo sapiens]	S527	1.11	1.13	AVSPPHLDGPPsPR	1	7	8	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S12(100)]	S12(Phospho): 100	S(3): 0.0; S(12): 100.0	PHLDGPPsPRSPVIG	S12;	High	1735.873001	19.29	17.05	44.8	40.2	4	4	45.1	High	1	4.161177158	High	0.5433	Yes
NP_109587.1	5605	13489054	MAP2K2	dual specificity mitogen-activated protein kinase kinase 2 [Homo sapiens]	S226	1.82	3.88	LCDFGVSGQLIDSMANsFVGTR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C2]; 1ﾗOxidation [M14(100)]; 1ﾗPhospho [S17(100)]	M14(Oxidation): 100; S17(Phospho): 100	S(7): 0.0; S(13): 0.0; S(17): 100.0; T(21): 0.0	LIDSMANsFVGTRSY	S17;	High	2699.24077					1	1	45.09	High	0.2667	4.545260429	High	0.0901	Yes
NP_954984.1	342538	40548328	NACA2	nascent polypeptide-associated complex subunit alpha-2 [Homo sapiens]	T214	5.93	0.02	NNSNDIVNAIMELtV	1	1	8	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T14(100)]	T14(Phospho): 100	S(3): 0.0; T(14): 100.0	VNAIMELtV_	T14;	High	1955.934674	6.56	3563.1	59.4	124.6	2	2	45.06	High	1	2.915688038	High	0.5651	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	T2409	0.92	0.87	SRtPPSAPSQSR	1	1	22	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T3(100)]	T3(Phospho): 99.99	S(1): 0.0; T(3): 100.0; S(6): 0.0; S(9): 0.0; S(11): 0.0	LDRARSRtPPSAPSQ	T3;	High	1579.779101	5.99	16.39	17.6	47.6	10	10	45.05	High	0.3111	4.380451679	High	0.0982	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1073	1.51	0.57	QQAGAQGPGsADLEDGEMGKR	1	1	4	1	2ﾗTMT6plex [N-Term; K20]; 1ﾗOxidation [M18(100)]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100; M18(Oxidation): 100	S(10): 100.0	AGAQGPGsADLEDGE	S10;	High	2656.24383	1.2	33.37	2.6	27.6	2	2	45.02	High	1	5.563483715	High	0.6655	Yes
NP_001164100.1	57680	282165704	CHD8	chromodomain-helicase-DNA-binding protein 8 isoform 1 [Homo sapiens]	S2519	0.94	1.17	APGYPSsPVTTASGTTLR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 99.97	Y(4): 0.0; S(6): 0.0; S(7): 100.0; T(10): 0.0; T(11): 0.0; S(13): 0.0; T(15): 0.0; T(16): 0.0	RAPGYPSsPVTTASG	S7;	High	2072.026267					1	1	45.01	High	0.3333	3.782289267	High	0.0397	Yes
NP_000480.3	546	530788276	ATRX	transcriptional regulator ATRX isoform 1 [Homo sapiens]	S784	1.2	0.77	KSsTSGSDFDTK	1	2	2	1	3ﾗTMT6plex [N-Term; K12; K]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99	S(2): 0.0; S(3): 100.0; T(4): 0.0; S(5): 0.0; S(7): 0.0; T(11): 0.0	GKRKRKSsTSGSDFD	S3;	High	2027.030128					1	1	45	High	0.2444	4.271094799	High	0.0679	Yes
NP_055416.2	30846	21361462	EHD2	EH domain-containing protein 2 [Homo sapiens]	S438	0.52	4.83	GPDEAMEDGEEGsDDEAEWVVTK	1	1	2	0	2ﾗTMT6plex [N-Term; K23]; 1ﾗPhospho [S13(100)]	S13(Phospho): 100	S(13): 100.0; T(22): 0.0	MEDGEEGsDDEAEWV	S13;	High	3033.296043					1	1	44.98	High	0.3778	2.856784821	High	0.3287	Yes
NP_001185537.1	9053	310750348	MAP7	ensconsin isoform 1 [Homo sapiens]	S224	1.11	1.31	RLSSsSATLLNSPDR	1	6	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 99.97	S(3): 0.0; S(4): 0.0; S(5): 100.0; S(6): 0.0; T(8): 0.0; S(12): 0.0	ISKRLSSsSATLLNS	S5;	High	1912.969086					1	1	44.95	High	0.0889	4.900295258	High	0.0265	No
NP_001254507.1	26092	389886539	TOR1AIP1	torsin-1A-interacting protein 1 isoform 1 [Homo sapiens]	S156; S157	0.92	0.74	DSHssEEDEASSQTDLSQTISKK	1	2	4	1	3ﾗTMT6plex [N-Term; K22; K23]; 2ﾗPhospho [S4(98.1); S5(100)]	S4(Phospho): 100; S5(Phospho): 100	S(2): 0.0; S(4): 100.0; S(5): 100.0; S(11): 0.0; S(12): 0.0; T(14): 0.0; S(17): 0.0; T(19): 0.0; S(21): 0.0	RGLRDSHsSEEDEAS;GLRDSHSsEEDEASS	S4; S5;	High	3356.538697	8.44	12.88	11	13.6	2	2	44.93	High	0.5111	9.278236389	High	0.0679	Yes;Yes
NP_005069.2	7090	157384982	TLE3	transducin-like enhancer protein 3 isoform a [Homo sapiens]	S203	0.87	0.67	ERESSANNSVsPSESLR	1	7	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	S(4): 0.0; S(5): 0.0; S(9): 0.0; S(11): 100.0; S(13): 0.0; S(15): 0.0	SSANNSVsPSESLRA	S11;	High	2157.997485					1	1	44.93	High	0.2444	4.050593376	High	0.1185	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells
Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_001289942.1	9651	732170452	PLCH2	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase eta-2 isoform 3 [Homo sapiens]	T1009	1.75	0.83	AAtPPTVQPGNHR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; T(6): 0.0	SGSPRAAtPPTVQPG	T3;	High	1654.826385					1	1	44.92	High	0.6667	4.270545959	High	0.3185	No
NP_006383.2	10528	32483374	NOP56	nucleolar protein 56 [Homo sapiens]	S519; S520	0.62	1	SFSKEELMssDLEETAGSTSIPK	1	1	3	1	3ｧTMT6plex [N-Term; K4; K23]; 1ｧOxidation [M8(100)]; 2ｧPhospho [S9(100); S10(100)]	M8(Oxidation): 100; S9(Phospho): 100; S10(Phospho): 100	S(1): 0.0; S(3): 0.0; S(9): 100.0; S(10): 100.0; T(15): 0.0; S(18): 0.0; T(19): 0.0; S(20): 0.0	FSKEELMsSDLEETA;SKEELMSsDLEETAG	S9; S10;	High	3336.581414	76.03	1.7	74.1	2.4	2	2	44.89	High	0.4667	6.245837212	High	0.0864	Yes;Yes
NP_000335.1	6606	4507091	SMN1	survival motor neuron protein isoform d [Homo sapiens]	S31	4.37	1.81	RGTGQSDDsDIWDDTALIK	1	4	6	1	2ｧTMT6plex [N-Term; K19]; 2ｧPhospho [S9(100); T/S]	T3(Phospho): 50; S6(Phospho): 50; S9(Phospho): 100	T(3): 50.0; S(6): 50.0; S(9): 100.0; T(15): 0.0	GTGQSDDsDIWDDTA	S9;	High	2711.236693					1	1	44.89	High	0.0667	3.065731525	High	0.0033	Yes
NP_054908.2	118	29826321	ADD1	alpha-adducin isoform b [Homo sapiens]	S358	0.62	1.81	SPGsPVGEGTGSPPK	1	5	4	0	2ｧTMT6plex [N-Term; K15]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; S(4): 100.0; T(10): 0.0; S(12): 0.0	AKSRSPGsPVGEGTG	S4;	High	1891.95668	16.94	6.4	14.9	16.5	2	2	44.88	High	0.4	5.282539845	High	0.0739	Yes
NP_001128659.1	3267	206597505	AGFG1	arf-GAP domain and FG repeat-containing protein 1 isoform 1 [Homo sapiens]	S181	0.86	1.73	GTPSQsPVVGR	1	4	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S6(99.1)]	S6(Phospho): 99.08	T(2): 0.0; S(4): 0.9; S(6): 99.1	NKGTPSQsPVVGRSQ	S6;	High	1393.703811					1	1	44.87	High	0.3333	3.142314434	High	0.0637	Yes
NP_002568.2	5062	32483399	PAK2	serine/threonine-protein kinase PAK 2 [Homo sapiens]	S197	0.99	2.22	sVIDPVPAPVGDSHVDGAAK	1	1	2	0	2ｧTMT6plex [N-Term; K20]; 1ｧPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(13): 0.0	TKSIYTRsVIDPVPA	S1;	High	2469.279076					1	1	44.83	High	0.8889	4.495246887	High	0.64	Yes
NP_006428.2	143	112789550	PARP4	poly [ADP-ribose] polymerase 4 [Homo sapiens]	S1335	0.57	0.53	AHsPASLSFASYR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; S(8): 0.0; S(11): 0.0; Y(12): 0.0	PPTARAHsPASLSFA	S3;	High	1702.815152					1	1	44.81	High	0.4889	5.097008228	High	0.3039	Yes
NP_056199.2	25836	47578107	NIPBL	nipped-B-like protein isoform B [Homo sapiens]	S2672	1.41	1.68	NNTAAETEDDEsDGEDRGGGTSGVR	1	1	4	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S12(100)]	S12(Phospho): 100	T(3): 0.0; T(7): 0.0; S(12): 100.0; T(21): 0.0; S(22): 0.0	AETEDDEsDGEDRGG	S12;	High	2848.170377	7.69	4.37	15.4	10.4	2	2	44.78	High	0.3556	4.087874413	High	0.2518	Yes
NP_004324.2	673	33188459	BRAF	serine/threonine-protein kinase B-raf [Homo sapiens]	S729	1.07	1.03	SAsEPSLNR	1	1	5	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(6): 0.0	PKIHRSAsEPSLNRA	S3;	High	1269.603762	0.81	7.09	1.2	10.4	2	2	44.78	High	0.5556	3.106220722	High	0.2058	Yes
NP_002895.3	7936	14670268	NELFE	negative elongation factor E [Homo sapiens]	S181	1.68	1.11	SGAHSSAsPPR	1	1	15	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S8(100)]	S8(Phospho): 99.01	S(1): 0.0; S(5): 0.0; S(6): 1.0; S(8): 99.0	SGAHSSAsPPRSRSR	S8;	High	1362.636459	4.34	9.83	16.4	27.2	5	6	44.77	High	0.2889	4.134804726	High	0.0484	Yes
NP_001273685.1	29945	557948106	ANAPC4	anaphase-promoting complex subunit 4 isoform 1 [Homo sapiens]	S778	0.72	0.87	IKEEVLsESEAENQQAGAAALAPEIVIK	1	2	3	1	3ｧTMT6plex [N-Term; K2; K28]; 1ｧPhospho [S7(97.9)]	S7(Phospho): 97.91	S(7): 97.9; S(9): 2.1	KIKEEVLsESEAENQ	S7;	High	3704.996649					1	1	44.75	High	0.2667	6.586205959	High	0.0395	No
NP_976226.1	4215	42794767	MAP3K3	mitogen-activated protein kinase kinase kinase 3 isoform 1 [Homo sapiens]	S371	0.72	1.42	SADsENALSVQER	1	2	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; S(4): 100.0; S(9): 0.0	GRLRSADsENALSVQ	S4;	High	1714.784639					1	1	44.74	High	0.4444	4.045562267	High	0.2296	No
NP_006175.2	4924	20070228	NUCB1	nucleobindin-1 precursor [Homo sapiens]	S369	2.12	1.44	AQRLsQETEALGR	1	1	5	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S5(100)]	S5(Phospho): 99.99	S(5): 100.0; T(8): 0.0	NAKAQRLsQETEALG	S5;	High	1767.895193	1.92	6.41	5.8	13.1	2	2	44.74	High	0.2	4.023760319	High	0.1119	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S672	0.85	1.86	AsPEPPGPESSSR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; S(10): 0.0; S(11): 0.0; S(12): 0.0	AQDLCRAsPEPPGPE	S2;	High	1606.731147					1	1	44.73	High	0.8222	3.25224328	High	0.4738	Yes
NP_006026.3	9578	115527097	CDC42BPB	serine/threonine-protein kinase MRCK beta [Homo sapiens]	S1690	0.75	0.13	HSTPSNSSNPSGPPsPNSPHR	1	1	4	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [N6(98)]; 1ｧPhospho [S15(100)]	N6(Deamidated): 98.04; S15(Phospho): 99.96	S(2): 0.0; T(3): 0.0; S(5): 0.0; S(7): 0.0; S(8): 0.0; S(11): 0.0; S(15): 100.0; S(18): 0.0	SNPSGPPsPNSPHRS	S15;	High	2451.08876					1	1	44.71	High	0.3111	4.911575317	High	0.0998	Yes
NP_001129471.1	9853	209862765	RUSC2	iporin [Homo sapiens]	S536	1.55	0.82	LSEGPAAMAGPGsPPR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧOxidation [M8(100)]; 1ｧPhospho [S13(100)]	M8(Oxidation): 100; S13(Phospho): 100	S(2): 0.0; S(13): 100.0	AAMAGPGsPPRRVTS	S13;	High	1819.861116					1	1	44.7	High	0.8444	5.035178661	High	0.7063	Yes
NP_001123543.1	29924	194272148	EPN1	epsin-1 isoform a [Homo sapiens]	T546	1.36	1.07	GSLAEAVGSPPPAAtPTPTPPTR	1	3	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [T15(100)]	T15(Phospho): 99.99	S(2): 0.0; S(9): 0.0; T(15): 100.0; T(17): 0.0; T(19): 0.0; T(22): 0.0	GSPPPAAtPTPTPPT	T15;	High	2481.258785					1	1	44.7	High	0.2	3.923578739	High	0.051	No
NP_056130.2	23367	39725634	LARP1	la-related protein 1 [Homo sapiens]	S550; S554	1.53	1.04	NTFTAWsDEEsDYEIDDRDVNK	1	1	4	1	2ｧTMT6plex [N-Term; K22]; 2ｧPhospho [S7(100); S11(100)]	S7(Phospho): 100; S11(Phospho): 100	T(2): 0.0; T(4): 0.0; S(7): 100.0; S(11): 100.0; Y(13): 0.0	KNTFTAWsDEESDYE;TAWSDEEsDYEIDDR	S7; S11;	High	3267.38085	7.31	4	15.9	5.9	2	2	44.66	High	0.3111	4.967006207	High	0.2173	No;No
NP_005545.1	3853	5031839	KRT6A	keratin, type II cytoskeletal 6A [Homo sapiens]	S31	0.39	0.35	sGFSSVSVSR	1	1	24	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S7(100)]	S1(Phospho): 100	S(1): 100.0; S(4): 0.0; S(5): 0.0; S(7): 0.0; S(9): 0.0	RLPGVSRsGFSSVSV	S1;	High	1321.635062	19.73	19.9	24.4	22.2	10	10	44.66	High	0.2222	3.531621695	High	0.2776	No
NP_002895.3	7936	14670268	NELFE	negative elongation factor E [Homo sapiens]	S353	1.81	1.67	SVWGSLAVQNsPK	1	1	2	0	2ｧTMT6plex [N-Term; K13]; 1ｧPhospho [S11(100)]	S11(Phospho): 100	S(1): 0.0; S(5): 0.0; S(11): 100.0	GSLAVQNsPKGCHRD	S11;	High	1911.014135					1	1	44.65	High	0.7111	4.803095818	High	0.4479	Yes
NP_001070666.1	79065	116089282	ATG9A	autophagy-related protein 9A [Homo sapiens]	S656	0.64	1.27	SFsPLQPGQAPTGR	1	1	5	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; T(12): 0.0	ASALRSFsPLQPGQA	S3;	High	1751.867916	62.17	20.5	61.2	38	2	2	44.64	High	0.0444	3.640789032	High	0.0852	Yes
NP_659419.3	196441	87116683	ZFC3H1	zinc finger C3H1 domain-containing protein [Homo sapiens]	S805	1.98	1.25	TSSSsPANSDVEIDGIGR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S5(99)]	S5(Phospho): 99.05	T(1): 0.0; S(2): 0.0; S(3): 0.0; S(4): 0.9; S(5): 99.1; S(9): 0.0	QLKTSSSsPANSDVE	S5;	High	2100.964788					1	1	44.63	High	0.1778	2.937295437	High	0.0816	Yes
NP_001171904.1	29763	296923763	PACSIN3	protein kinase C and casein kinase substrate in neurons protein 3 [Homo sapiens]	S319	1.78	1.66	GGRsPDEVTLTSIVPTR	1	1	2	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(9): 0.0; T(11): 0.0; S(12): 0.0; T(16): 0.0	RKEKGGRsPDEVTLT	S4;	High	2094.079365					1	1	44.62	High	0.6	4.503799438	High	0.4889	Yes
NP_803136.2	147700	91825557	KLC3	kinesin light chain 3 [Homo sapiens]	S466	0.44	10.79	AMsLNTLNVDAPR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(6): 0.0	AGMKRAMsLNTLNVD	S3;	High	1710.844737					1	1	44.61	High	0.6667	2.670405865	High	0.3933	Yes
NP_653232.3	130557	42476272	ZNF513	zinc finger protein 513 isoform 1 [Homo sapiens]	S85	1.38	0.85	DSEGDSLGARPGLPYGLsDDESGGGR	1	2	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S18(100)]	S18(Phospho): 100	S(2): 0.0; S(6): 0.0; Y(15): 0.0; S(18): 100.0; S(22): 0.0	PGLPYGLsDDESGGG	S18;	High	2873.278805					1	1	44.57	High	0.4667	4.809158802	High	0.0665	Yes
NP_002304.3	3983	51173711	ABLIM1	actin-binding LIM protein 1 isoform a [Homo sapiens]	S452	0.87	1.05	STsQGSINSPVYSR	1	4	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; T(2): 0.0; S(3): 100.0; S(6): 0.0; S(9): 0.0; Y(12): 0.0; S(13): 0.0	RMIHRSTsQGSINSP	S3;	High	1791.847574					1	1	44.57	High	0.2667	3.568048	High	0.1261	Yes
NP_002476.2	4683	33356172	NBN	nibrin [Homo sapiens]	S343	2.06	1.47	TTTPGPSLsQGVSVDEK	1	2	2	0	2ｧTMT6plex [N-Term; K17]; 1ｧPhospho [S9(100)]	S9(Phospho): 99.98	T(1): 0.0; T(2): 0.0; T(3): 0.0; S(7): 0.0; S(9): 100.0; S(13): 0.0	TTPGPSLsQGVSVDE	S9;	High	2241.14158					1	1	44.56	High	0.2444	3.985332251	High	0.0927	Yes
NP_991403.1	51599	45545424	LSR	lipolysis-stimulated lipoprotein receptor isoform 2 [Homo sapiens]	S493	0.75	0.52	ARsVDALDDLTPPSTAESGSR	1	5	2	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(11): 0.0; S(14): 0.0; T(15): 0.0; S(18): 0.0; S(20): 0.0	ARRPRARsVDALDDL	S3;	High	2454.171093					1	1	44.55	High	0.7556	8.354855537	High	0.4072	Yes
NP_000457.1	5189	4505725	PEX1	peroxisome biogenesis factor 1 isoform 1 [Homo sapiens]	T1179	0.97	1.07	tASQEGCQELTQEQR	1	3	4	0	1ｧTMT6plex [N-Term]; 1ｧCarbamidomethyl [C7]; 1ｧPhospho [T1(99)]	T1(Phospho): 99.05	T(1): 99.1; S(3): 1.0; T(11): 0.0	SQPPVLRtASQEGCQ	T1;	High	2073.910979	5.45	30.9	7.5	49.6	2	2	44.55	High	0.0667	5.02146101	High	0.0598	Yes
NP_001155855.1	9181	253735775	ARHGEF2	rho guanine nucleotide exchange factor 2 isoform 1 [Homo sapiens]	S174	0.65	20.64	ILSQsTDSLNMR	1	3	3	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S5(99.2)]	S5(Phospho): 99.21	S(3): 0.0; S(5): 99.2; T(6): 0.8; S(8): 0.0	LRRILSQsTDSLNMR	S5;	High	1673.813103					1	1	44.54	High	0.2222	2.882169485	High	0.0417	Yes
NP_001131024.1	9208	212276096	LRRFIP1	leucine-rich repeat flightless-interacting protein 1 isoform 3 [Homo sapiens]	S768	0.12	3.92	ALDSNsLENDDLSAPGREPGHFNPESR	1	3	4	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S6(100)]	S6(Phospho): 99.97	S(4): 0.0; S(6): 100.0; S(13): 0.0; S(26): 0.0	RKALDSNsLENDDLS	S6;	High	3233.469793	476.04	9.31	99.2	55.3	2	2	44.51	High	0.2	7.716188908	High	0.0518	Yes
NP_115731.2	84315	215820630	MON1A	vacuolar fusion protein MON1 homolog A isoform a [Homo sapiens]	S153	0.77	1.09	sYEDLTESEDGAASGDSHK	1	1	3	0	2ｧTMT6plex [N-Term; K19]; 1ｧPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; Y(2): 0.0; T(6): 0.0; S(8): 0.0; S(14): 0.0; S(17): 0.0	AMFVHARsYEDLTES	S1;	High	2536.112858					1	1	44.51	High	0.1111	5.718938828	High	0.0192	No
NP_056197.3	25831	612339310	HECTD1	E3 ubiquitin-protein ligase HECTD1 [Homo sapiens]	S1571	1.93	1.76	SSsDNNTNTLGR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(2): 0.0; S(3): 100.0; T(7): 0.0; T(9): 0.0	MNLSRSSsDNNTNTL	S3;	High	1574.70091					1	1	44.49	High	0.25	3.368737459	High	0.1217	Yes
NP_005430.1	8079	4885487	MLF2	myeloid leukemia factor 2 [Homo sapiens]	S238	0.7	6.47	LAIQGPEDsPSR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [Q4(100)]; 1ｧPhospho [S9(100)]	Q4(Deamidated): 100; S9(Phospho): 99.99	S(9): 100.0; S(11): 0.0	AIQGPEDsPSRQSRR	S9;	High	1579.756634					1	1	44.47	High	0.2955	2.876393318	High	0.1562	Yes
NP_056093.3	23328	45935385	SASH1	SAM and SH3 domain-containing protein 1 [Homo sapiens]	S721		0.68	LLVDSQGLSGCsPR	1	1	3	0	1ｧTMT6plex [N-Term]; 1ｧCarbamidomethyl [C11]; 1ｧPhospho [S12(100)]	S12(Phospho): 100	S(5): 0.0; S(9): 0.0; S(12): 100.0	SQGLSGCsPRDSGCY	S12;	High	1797.876766						1	44.44	High	0.75	3.304514647	High	0.1061	Yes
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	T211	1.13	0.99	WDQTADQTPGAtPK	1	1	5	0	2ｧTMT6plex [N-Term; K14]; 1ｧPhospho [T12(100)]	T12(Phospho): 100	T(4): 0.0; T(8): 0.0; T(12): 100.0	ADQTPGAtPKKLSSW	T12;	High	2053.999607	14.18	1.55	22.9	2.2	2	2	44.42	High	0.2955	5.106564999	High	0.3346	Yes
NP_060844.2	54664	40254893	TMEM106B	transmembrane protein 106B [Homo sapiens]	S33	4.13	1.18	NGLVNsEVHNEDGR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	MRNGLVNsEVHNEDG	S6;	High	1848.843886					1	1	44.41	High	1	3.811146259	High	0.6877	Yes
NP_848927.2	92140	223555917	MTDH	protein LYRIC [Homo sapiens]	S298	1.44	2.08	LSSQIsAGEEK	1	1	5	0	2ｧTMT6plex [N-Term; K11]; 1ｧPhospho [S6(100)]	S6(Phospho): 100	S(2): 0.0; S(3): 0.0; S(6): 100.0	VKLSSQIsAGEEKWN	S6;	High	1686.871553	5.5	1.62	11.3	4.8	2	2	44.41	High	0.6136	3.490020514	High	0.2092	Yes
NP_004351.1	999	4757960	CDH1	cadherin-1 preproprotein [Homo sapiens]	S793	1.1	0.46	NDVAPTLMsVPR	1	1	3	0	1ｧTMT6plex [N-Term]; 1ｧOxidation [M8(100)]; 1ｧPhospho [S9(98.7)]	M8(Oxidation): 100; S9(Phospho): 98.7	T(6): 1.3; S(9): 98.7	DVAPTLMsVPRYLPR	S9;	High	1624.796725					1	1	44.41	High	0.2955	2.879901648	High	0.1181	Yes
NP_001354.1	1736	4503337	DKC1	H/ACA ribonucleoprotein complex subunit 4 isoform 1 [Homo sapiens]	S513	1.01	0.97	EVELVsE	1	2	6	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	AKEVELVsE_	S6;	High	1113.527803	23.46	13.29	42.8	22.5	3	3	44.41	High	1	2.641923189	High	0.75	Yes
NP_001268704.1	23613	528881278	ZMYND8	protein kinase C-binding protein 1 isoform i [Homo sapiens]	S776	1.07	1.19	TPPSTTVGSHsPPETPVLTR	1	15	5	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S11(100)]	S11(Phospho): 100	T(1): 0.0; S(4): 0.0; T(5): 0.0; T(6): 0.0; S(9): 0.0; S(11): 100.0; T(15): 0.0; T(19): 0.0	STTVGSHsPPETPVL	S11;	High	2370.190372	24.08	29.16	47.1	65.8	3	3	44.4	High	0.25	7.302699089	High	0.1479	No
NP_114414.2	83939	54873624	EIF2A	eukaryotic translation initiation factor 2A [Homo sapiens]	S506	1.77	1.05	SDKsPDLAPTPAPQSTPR	1	1	6	1	2ｧTMT6plex [N-Term; K3]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; S(4): 100.0; T(10): 0.0; S(15): 0.0; T(16): 0.0	QEARSDKsPDLAPTP	S4;	High	2403.232126	4.73	2.63	11.9	3.9	2	2	44.4	High	0.2045	6.986759663	High	0.0315	Yes
NP_663304.1	6885	21735562	MAP3K7	mitogen-activated protein kinase kinase kinase 7 isoform B [Homo sapiens]	S389	1.24	0.43	RMsADMSEIEAR	1	4	4	1	1ｧTMT6plex [N-Term]; 2ｧOxidation [M2(100); M6(100)]; 1ｧPhospho [S3(100)]	M2(Oxidation): 100; S3(Phospho): 100; M6(Oxidation): 100	S(3): 100.0; S(7): 0.0	TSEGKRMsADMSEIE	S3;	High	1736.754602					1	1	44.37	High	0.5909	2.907730818	High	0.3436	Yes
NP_004897.2	9589	21361159	WTAP	pre-mRNA-splicing regulator WTAP isoform 1 [Homo sapiens]	S306	0.82	0.88	EGNTTEDDFPSsPGNGNK	1	1	6	0	2ｧTMT6plex [N-Term; K18]; 1ｧDeamidated [N15(98.7)]; 1ｧPhospho [S12(100)]	S12(Phospho): 99.98; N15(Deamidated): 98.66	T(4): 0.0; T(5): 0.0; S(11): 0.0; S(12): 100.0	TEDDFPSsPGNGNKS	S12;	High	2405.054615	27.63	19.35	33.1	24.6	2	2	44.35	High	0.1818	4.544989586	High	0.0771	Yes
NP_055627.2	9859	109255228	CEP170	centrosomal protein of 170 kDa isoform alpha [Homo sapiens]	S881	2.28	1.43	ERSEsLDPDSSMDTTLILK	1	3	4	1	2ｧTMT6plex [N-Term; K19]; 1ｧOxidation [M12(100)]; 1ｧPhospho [S5(100)]	S5(Phospho): 99.97; M12(Oxidation): 100	S(3): 0.0; S(5): 100.0; S(10): 0.0; S(11): 0.0; T(14): 0.0; T(15): 0.0	RIRERSEsLDPDSSM	S5;	High	2691.320014					1	1	44.34	High	0.4091	3.758977652	High	0.0452	Yes
NP_005900.2	4131	153945728	MAP1B	microtubule-associated protein 1B [Homo sapiens]	S1501	1.63	5.07	LGDVsPTQIDVSQFGSFK	1	1	5	0	2ｧTMT6plex [N-Term; K18]; 1ｧPhospho [S5(100)]	S5(Phospho): 99.99	S(5): 100.0; T(7): 0.0; S(12): 0.0; S(16): 0.0	ERKLGDVsPTQIDVS	S5;	High	2463.257278					1	1	44.33	High	0.1818	5.974967957	High	0.0436	Yes
NP_001157945.1	54874	256600192	FNBP1L	formin-binding protein 1-like isoform 3 [Homo sapiens]	S501	0.55	0.53	HSSDINHLVTQGREsPEGSYTDDANQEVR	1	3	4	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S15(100)]	S15(Phospho): 99.96	S(2): 0.0; S(3): 0.0; T(10): 0.0; S(15): 100.0; S(19): 0.0; Y(20): 0.0; T(21): 0.0	LVTQGREsPEGSYTD	S15;	High	3550.603327					1	1	44.32	High	0.25	6.308101654	High	0.0254	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5752; S5763	1.51	0.51	ASLGsLEGEAEAEASsPKGK	1	1	4	1	3ｧTMT6plex [N-Term; K18; K20]; 2ｧPhospho [S5(100); S16(98.2)]	S5(Phospho): 99.97; S16(Phospho): 98.24	S(2): 0.0; S(5): 100.0; S(15): 1.8; S(16): 98.2	SSKASLGsLEGEAEA;EAEAEASsPKGKFSL	S5; S16;	High	2765.361448	2.71	84.9	5.8	68	2	2	44.31	High	0.1364	6.124920845	High	0.3268	Yes;Yes
NP_001273768.1	10160	558472848	FARP1	FERM, RhoGEF and pleckstrin domain-containing protein 1 isoform 3 [Homo sapiens]	T24	2.86	2.63	LGAPENSGIStLER	1	3	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [T11(99.1)]	T11(Phospho): 99.14	S(7): 0.0; S(10): 0.9; T(11): 99.1	PENSGIStLERGQKP	T11;	High	1752.87306	3.32	3.31	13.5	12.3	2	2	44.27	High	0.25	3.794306993	High	0.058	Yes
NP_001158136.1	375449	257467648	MAST4	microtubule-associated serine/threonine-protein kinase 4 isoform c [Homo sapiens]	S1292	4.36	0.68	SLsSGESLPGSPTHSLSPR	1	5	3	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(98.3)]	S3(Phospho): 98.27	S(1): 0.9; S(3): 98.3; S(4): 0.9; S(7): 0.0; S(11): 0.0; T(13): 0.0; S(15): 0.0; S(17): 0.0	SCLNRSLsSGESLPG	S3;	High	2205.075008					1	1	44.26	High	0.1364	3.877193213	High	0.0206	No
NP_002678.2	5411	33356174	PNN	pinin [Homo sapiens]	S66	2.6	2.26	GFsDSGGGPPAK	1	1	2	0	2ｧTMT6plex [N-Term; K12]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0	LLLRRGFsDSGGGPP	S3;	High	1614.792909					1	1	44.25	High	0.3636	2.758249998	High	0.2464	Yes
NP_031397.1	8019	11067749	BRD3	bromodomain-containing protein 3 [Homo sapiens]	S563	2.13	0.53	QASASYDsEEEEEGLPMSYDEKR	1	1	4	1	2ｧTMT6plex [N-Term; K22]; 1ｧOxidation [M17(100)]; 1ｧPhospho [S8(100)]	S8(Phospho): 97.79; M17(Oxidation): 100	S(3): 0.0; S(5): 2.2; Y(6): 0.0; S(8): 97.8; S(18): 0.0; Y(19): 0.0	QASASYDsEEEEEGL	S8;	High	3204.39682	2.45	32.24	7.4	24.4	2	2	44.22	High	0.2727	4.219636917	High	0.1256	Yes
NP_003619.2	8502	53829374	PKP4	plakophilin-4 isoform a [Homo sapiens]	S337	1.02	0.67	VASPSQGQVGSSsPK	1	4	5	0	2ｧTMT6plex [N-Term; K15]; 1ｧPhospho [S13(100)]	S13(Phospho): 99.99	S(3): 0.0; S(5): 0.0; S(11): 0.0; S(12): 0.0; S(13): 100.0	QGQVGSSsPKRSGMT	S13;	High	1954.004692					1	1	44.21	High	0.0227	6.059070587	High	0.0429	Yes
NP_006416.3	10569	27477111	SLU7	pre-mRNA-splicing factor SLU7 [Homo sapiens]	S215	1.11	1.24	LVEQANsPK	1	1	3	0	2ｧTMT6plex [N-Term; K9]; 1ｧPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	KLVEQANsPKHQWGE	S7;	High	1523.823481					1	1	44.21	High	0.7727	3.699844599	High	0.4649	Yes
NP_077305.2	79180	20149675	EFHD2	EF-hand domain-containing protein D2 [Homo sapiens]	S74	1.06	1.11	ADLNQGIGEPQsPSRR	1	1	2	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S12(99)]	S12(Phospho): 98.99	S(12): 99.0; S(14): 1.0	QGIGEPQsPSRRVFN	S12;	High	2033.996698					1	1	44.19	High	0.2955	6.339194775	High	0.082	Yes
NP_085148.1	80851	24308303	SH3BP5L	SH3 domain-binding protein 5-like [Homo sapiens]	S362	1.34	1.32	GLSDHVsLDGQELGTR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [Q11(100)]; 1ｧPhospho [S7(100)]	S7(Phospho): 100; Q11(Deamidated): 100	S(3): 0.0; S(7): 100.0; T(15): 0.0	RGLSDHVsLDGQELG	S7;	High	1993.942931					1	1	44.19	High	0.6591	4.065188885	High	0.3833	Yes
NP_001032412.2	85441	156105693	HELZ2	helicase with zinc finger domain 2 isoform 1 [Homo sapiens]	S338	2.3	1	SSVASGPIsPTNYR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [N12(100)]; 1ｧPhospho [S9(100)]	S9(Phospho): 99.99; N12(Deamidated): 100	S(1): 0.0; S(2): 0.0; S(5): 0.0; S(9): 100.0; T(11): 0.0; Y(13): 0.0	SVASGPIsPTNYRQR	S9;	High	1745.830862					1	1	44.17	High	0.2727	3.355489731	High	0.128	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_002799.3	5708	25777602	PSMD2	26S proteasome non-ATPase regulatory subunit 2 isoform 1 [Homo sapiens]	S361	0.78	1.04	FGGsGSQVDSAR	1	3	3	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S4(100)]	S4(Phospho): 99.99	S(4): 100.0; S(6): 0.0; S(10): 0.0	ENNRFGGsGSQVDSA	S4;	High	1476.668153					1	1	44.17	High	0.0455	3.310817242	High	0.0967	Yes
NP_001295076.1	26030	815890885	PLEKHG3	pleckstrin homology domain-containing family G member 3 [Homo sapiens]	S1081	0.63	0.92	SHsVPENMVEPPLSGR	1	1	3	0	1ヲTMT6plex [N-Term]; 1ヲOxidation [M8(100)]; 1ヲPhospho [S3(98.6)]	S3(Phospho): 98.55; M8(Oxidation): 100	S(1): 1.5; S(3): 98.6; S(14): 0.0	PPVNRSHsVPENMVE	S3;	High	2060.967372					1	1	44.16	High	0.0682	4.356965542	High	0.039	Yes
NP_004283.2	9610	68989256	RIN1	ras and Rab interactor 1 [Homo sapiens]	S351	1.37	0.7	SMsAAFCSLLAPER	1	1	9	0	1ヲTMT6plex [N-Term]; 1ヲCarbamidomethyl [C7]; 1ヲOxidation [M2(100)]; 1ヲPhospho [S3(100)]	M2(Oxidation): 100; S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(8): 0.0	RPLLRSMsAAFCSLL	S3;	High	1864.853588	20.36	70.67	40.9	80.1	2	2	44.15	High	0.4091	5.185639858	High	0.0116	Yes
NP_680780.1	11273	27262649	ATXN2L	ataxin-2-like protein isoform C [Homo sapiens]	S594	2	1.42	EKEVDGLLTSEPMGsPVSSK	1	7	3	1	3ヲTMT6plex [N-Term; K2; K20]; 1ヲOxidation [M13(100)]; 1ヲPhospho [S15(100)]	M13(Oxidation): 100; S15(Phospho): 99.96	T(9): 0.0; S(10): 0.0; S(15): 100.0; S(18): 0.0; S(19): 0.0	LTSEPMGsPVSSKTE	S15;	High	2873.482218					1	1	44.15	High	0.1364	3.947221756	High	0.1544	Yes
NP_056025.2	23255	163644316	MTCL1	microtubule cross-linking factor 1 [Homo sapiens]	S416	1.17	0.38	REGPVGGEsDSEEMFEK	1	1	3	1	2ヲTMT6plex [N-Term; K17]; 1ヲOxidation [M14(100)]; 1ヲPhospho [S9(100)]	S9(Phospho): 100; M14(Oxidation): 100	S(9): 100.0; S(11): 0.0	EGPVGGEsDSEEMFE	S9;	High	2437.099457					1	1	44.15	High	0.1364	3.633628368	High	0.1763	No
NP_694574.3	9683	48928019	N4BP1	NEDD4-binding protein 1 [Homo sapiens]	T242	1.17	0.56	NKAGtPVSELTK	1	1	2	1	3ヲTMT6plex [N-Term; K2; K12]; 1ヲPhospho [T5(100)]	T5(Phospho): 100	T(5): 100.0; S(8): 0.0; T(11): 0.0	EARNKAGtPVSELTK	T5;	High	2012.139619					1	1	44.15	High	0.6818	3.044692993	High	0.3092	Yes
NP_116254.4	84951	157738639	TNS4	tensin-4 precursor [Homo sapiens]	S197	1.13	1.27	ETRSsSESLIFSGNQGR	1	1	7	1	1ヲTMT6plex [N-Term]; 1ヲPhospho [S5(98.9)]	S5(Phospho): 98.91	T(2): 0.0; S(4): 1.1; S(5): 98.9; S(6): 0.0; S(8): 0.0; S(12): 0.0	VPRETRSsSESLIFS	S5;	High	2164.023306	19.31	2.41	31.7	4.4	2	2	44.14	High	0.0455	6.018999577	High	0.0282	No
NP_689876.2	55103	32441283	RALGPS2	ras-specific guanine nucleotide-releasing factor RalGPS2 isoform 1 [Homo sapiens]	S329	0.85	1.15	SVAAEGALLPQTPPsPR	1	2	4	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S15(100)]	S15(Phospho): 100	S(1): 0.0; T(12): 0.0; S(15): 100.0	LLPQTPPsPRNLIPH	S15;	High	2000.041523					1	1	44.14	High	0.1364	5.778966904	High	0.1194	Yes
NP_000335.1	6606	4507091	SMN1	survival motor neuron protein isoform d [Homo sapiens]	S28	2.02	2.11	GTGQsDDSDIWDDTALIK	1	4	11	0	2ヲTMT6plex [N-Term; K18]; 1ヲPhospho [S5(100)]	S5(Phospho): 99.99	T(2): 0.0; S(5): 100.0; S(8): 0.0; T(14): 0.0	FRRGTGQsDDSDIWD	S5;	High	2475.169251	11	19.69	32.1	64.1	2	2	44.14	High	0.75	4.813392639	High	0.0416	Yes
NP_002471.1	4659	4505317	PPP1R12A	protein phosphatase 1 regulatory subunit 12A isoform a [Homo sapiens]	S507	2.15	4.41	RLAsTSDIEEK	1	4	7	1	2ヲTMT6plex [N-Term; K11]; 1ヲPhospho [S4(99.4)]	S4(Phospho): 99.44	S(4): 99.4; T(5): 0.6; S(6): 0.0	TIPRRLAsTSDIEEK	S4;	High	1786.935216	2.15	0.95	8	7.3	3	3	44.14	High	0.25	4.751773357	High	0.0716	Yes
NP_060117.3	117246	194097365	FTSJ3	pre-rRNA processing protein FTSJ3 [Homo sapiens]	S584	1.14	0.78	TEIMsPLYQDEAPK	1	1	3	0	2ヲTMT6plex [N-Term; K14]; 1ヲOxidation [M4(100)]; 1ヲPhospho [S5(100)]	M4(Oxidation): 100; S5(Phospho): 100	T(1): 0.0; S(5): 100.0; Y(8): 0.0	CLKTEIMsPLYQDEA	S5;	High	2176.06491					1	1	44.13	High	0.1136	4.196076393	High	0.1429	Yes
NP_001182484.1	9685	307078123	CLINT1	clathrin interactor 1 isoform 1 [Homo sapiens]	T308	1.11	1.59	ASPDQNASTHtPQSSVK	1	3	2	0	2ヲTMT6plex [N-Term; K17]; 1ヲPhospho [T11(100)]	T11(Phospho): 99.98	S(2): 0.0; S(8): 0.0; T(9): 0.0; T(11): 100.0; S(14): 0.0; S(15): 0.0	DQNASTHtPQSSVKT	T11;	High	2293.122575					1	1	44.11	High	0.2045	3.991772652	High	0.218	Yes
NP_001015055.1	6242	62739179	RTKN	rhotekin isoform a [Homo sapiens]	S520	0.59	0.65	TFsLDAVPPDHSPR	1	3	27	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; S(12): 0.0	WGRPRTFsLDAVPPD	S3;	High	1847.889045	22.57	19.27	39.3	36.9	8	8	44.09	High	0.8409	5.468557835	High	0.0823	Yes
NP_039269.2	3980	73747829	LIG3	DNA ligase 3 isoform alpha precursor [Homo sapiens]	S210	0.62	1.45	LTTTGQVTsPVK	1	2	2	0	2ヲTMT6plex [N-Term; K12]; 1ヲPhospho [S9(100)]	S9(Phospho): 100	T(2): 0.0; T(3): 0.0; T(4): 0.0; T(8): 0.0; S(9): 100.0	TTTGQVTsPVKGASF	S9;	High	1769.981438					1	1	44.08	High	0.2727	3.845608711	High	0.1325	Yes
NP_001291744.1	23152	756140883	CIC	protein capicua homolog isoform CIC-L [Homo sapiens]	S1609	1.21	1.04	AEAsPNDTAGAR	1	2	2	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(8): 0.0	TSGRAEAsPNDTAGA	S4;	High	1468.663068					1	1	44.08	High	0.2727	3.22943306	High	0.2724	No
NP_149079.2	85369	56790935	STRIP1	striatin-interacting protein 1 isoform 1 [Homo sapiens]	S335	0.93	0.99	AAsPPASASDLIEQQQK	1	2	10	0	2ヲTMT6plex [N-Term; K17]; 1ヲPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(7): 0.0; S(9): 0.0	IRNMRAAsPPASASD	S3;	High	2279.168463	10.72	2.66	20.1	5.3	4	4	44.07	High	0.0455	8.084859848	High	0.1411	Yes
NP_006411.2	10564	150417986	ARFGEF2	brefeldin A-inhibited guanine nucleotide-exchange protein 2 [Homo sapiens]	S1528	0.96	1.53	GQSQLsNPTDDSWK	1	1	4	0	2ヲTMT6plex [N-Term; K14]; 1ヲPhospho [S6(100)]	S6(Phospho): 99.98	S(3): 0.0; S(6): 100.0; T(9): 0.0; S(12): 0.0	ERGQSQLsNPTDDSW	S6;	High	2101.000335	10.08	9.14	13.8	20	2	2	44.07	High	0.2045	3.81803441	High	0.144	Yes
NP_003452.1	7791	4508047	ZYX	zyxin [Homo sapiens]	S344	0.34	2.05	sPGAPGPLTLK	1	1	4	0	2ヲTMT6plex [N-Term; K11]; 1ヲPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(9): 0.0	QNQNQVRsPGAPGPL	S1;	High	1575.891166	12.5	5.66	6.1	16.5	2	2	44.04	High	1	3.233596325	High	0.6161	Yes
NP_115548.1	84132	79750944	USP42	ubiquitin carboxyl-terminal hydrolase 42 [Homo sapiens]	S856	0.81	0.79	DSALAEAPEGLsPAPPAR	1	1	3	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S12(100)]	S12(Phospho): 100	S(2): 0.0; S(12): 100.0	AEAPEGLsPAPPARS	S12;	High	2058.010616					1	1	44.02	High	0.9318	5.212992668	High	0.6084	Yes
NP_658988.2	140775	146260268	SMCR8	Smith-Magenis syndrome chromosomal region candidate gene 8 protein [Homo sapiens]	S498	2.99	1.42	SDSQASLTVPLsPQVVR	1	1	3	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S12(100)]	S12(Phospho): 100	S(1): 0.0; S(3): 0.0; S(6): 0.0; T(8): 0.0; S(12): 100.0	ASLTVPLsPQVVRSK	S12;	High	2093.084116					1	1	44.02	High	0.3864	5.112198353	High	0.2896	Yes
NP_689449.1	11135	23238226	CDC42EP1	cdc42 effector protein 1 [Homo sapiens]	S192	0.6	1.15	RSDsLLSFR	1	1	3	1	1ヲTMT6plex [N-Term]; 1ヲPhospho [S4(100)]	S4(Phospho): 100	S(2): 0.0; S(4): 100.0; S(7): 0.0	PGLRRSDsLLSFRLD	S4;	High	1389.708896	6.41	29.25	5.4	50.2	2	2	44.01	High	0.6136	3.378458261	High	0.1805	Yes
NP_078968.3	79745	31982881	CLIP4	CAP-Gly domain-containing linker protein 4 isoform 1 [Homo sapiens]	S581	1.11	0.88	SFsTTSASSQK	1	2	2	0	2ヲTMT6plex [N-Term; K11]; 1ヲPhospho [S3(99.3)]	S3(Phospho): 99.32	S(1): 0.0; S(3): 99.3; T(4): 0.7; T(5): 0.0; S(6): 0.0; S(8): 0.0; S(9): 0.0	PGFRRSFsTTSASSQ	S3;	High	1668.824603					1	1	44.01	High	0.3636	2.973051786	High	0.1414	Yes
NP_060216.2	54881	239787838	TEX10	testis-expressed sequence 10 protein isoform 1 [Homo sapiens]	T29	0.96	0.97	LQNAtPTNFK	1	2	2	0	2ヲTMT6plex [N-Term; K10]; 1ヲPhospho [T5(100)]	T5(Phospho): 100	T(5): 100.0; T(7): 0.0	KPKLQNAtPTNFKTK	T5;	High	1671.887144					1	1	43.99	High	0.6364	3.629354	High	0.2369	Yes
NP_006741.1	6645	5803177	SNTB2	beta-2-syntrophin [Homo sapiens]	S95	0.57	1.24	GLGPPsPPAPPR	1	1	3	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	SRGLGPPsPPAPPRG	S6;	High	1451.760932					1	1	43.98	High	0.9773	3.708024263	High	0.6226	Yes
NP_008860.4	6499	67782311	SKIV2L	helicase SKI2W [Homo sapiens]	S256	0.7	0.85	ASsLEDLVLK	1	1	2	0	2ヲTMT6plex [N-Term; K10]; 1ヲPhospho [S3(100)]	S3(Phospho): 100	S(2): 0.0; S(3): 100.0	APLARASsLEDLVLK	S3;	High	1612.896311					1	1	43.95	High	0.2955	4.366742134	High	0.0664	Yes
NP_004406.2	1832	58530840	DSP	desmoplakin isoform I [Homo sapiens]	S176	0.12	0.28	GGGGYTCQsGSGWDEFTK	1	2	7	0	2ヲTMT6plex [N-Term; K18]; 1ヲCarbamidomethyl [C7]; 1ヲDeamidated [Q8(100)]; 1ヲPhospho [S9(98.6)]	Q8(Deamidated): 100; S9(Phospho): 98.62	Y(5): 0.0; T(6): 0.0; S(9): 98.6; S(11): 1.4; T(17): 0.0	GGGYTCQsGSGWDEF	S9;	High	2433.047028					1	1	43.93	High	0.0682	3.658964396	High	0.0273	Yes
NP_065882.1	57591	14269566	MKL1	MKL/myocardin-like protein 1 isoform 1 [Homo sapiens]	S385	1	1.16	AYQDQIsPVPGAPK	1	3	2	0	2ヲTMT6plex [N-Term; K14]; 1ヲPhospho [S7(100)]	S7(Phospho): 100	Y(2): 0.0; S(7): 100.0	RAYQDQIsPVPGAPK	S7;	High	2009.050914					1	1	43.93	High	1	3.027776718	High	0.3564	Yes
NP_006030.2	9902	110624774	MRC2	C-type mannose receptor 2 precursor [Homo sapiens]	S1457	0.81	0.6	SSsSPTEATEK	1	1	3	0	2ヲTMT6plex [N-Term; K11]; 1ヲPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(2): 0.0; S(3): 100.0; S(4): 0.0; T(6): 0.0; T(9): 0.0	ARYSRSSsSPTEATE	S3;	High	1661.803533					1	1	43.9	High	0.2727	2.952808142	High	0.0814	No
NP_001253975.1	122786	388490221	FRMD6	FERM domain-containing protein 6 isoform 2 [Homo sapiens]	S352	1.32	0.67	ESYIsDNLDLDMDQLEKR	1	2	2	1	2ヲTMT6plex [N-Term; K17]; 1ヲOxidation [M12(100)]; 1ヲPhospho [S5(100)]	S5(Phospho): 100; M12(Oxidation): 100	S(2): 0.0; Y(3): 0.0; S(5): 100.0	QYRESYIsDNLDLDM	S5;	High	2738.299613					1	1	43.89	High	0.4545	3.653156996	High	0.0932	No
NP_002516.2	4898	156071450	NRD1	nardilysin isoform a [Homo sapiens]	S86	0.86	1.91	LGADEsEEEGRR	1	2	4	1	1ヲTMT6plex [N-Term]; 1ヲPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	ARLGADEsEEEGRRG	S6;	High	1656.742775	12.45	11.33	15.2	31.3	2	2	43.88	High	0.8409	3.735609055	High	0.6016	Yes
NP_005981.3	6793	126362971	STK10	serine/threonine-protein kinase 10 [Homo sapiens]	T952	1.16	3.01	LSEEAECPNPStPSK	1	1	8	0	2ヲTMT6plex [N-Term; K15]; 1ヲCarbamidomethyl [C7]; 1ヲPhospho [T12(100)]	T12(Phospho): 98.88	S(2): 0.0; S(11): 1.1; T(12): 98.9; S(14): 0.0	AECPNPStPSKAAKF	T12;	High	2184.029587	16.77	2.36	34.5	12.4	3	3	43.87	High	0.0455	4.778391838	High	0.1046	Yes
NP_001278796.1	4810	630044881	NHS	Nance-Horan syndrome protein isoform 3 [Homo sapiens]	T997	0.19	0.57	ATtPSLPSVDNEFK	1	4	4	0	2ヲTMT6plex [N-Term; K14]; 1ヲPhospho [T3(98.8)]	T3(Phospho): 98.75	T(2): 1.2; T(3): 98.8; S(5): 0.0; S(8): 0.0	QSESRATtPSLPSVD	T3;	High	2044.040409					1	1	43.87	High	0.0909	3.113139391	High	0.0225	Yes
NP_005091.2	9590	21493022	AKAP12	A-kinase anchor protein 12 isoform 1 [Homo sapiens]	S286	4.22	3.83	SAESPTsPVTSETGSTFKK	1	2	9	1	3ヲTMT6plex [N-Term; K18; K19]; 1ヲPhospho [S4(100)]	S7(Phospho): 98.55	S(1): 0.0; S(4): 0.0; T(6): 1.4; S(7): 98.6; T(10): 0.0; S(11): 0.0; T(13): 0.0; S(15): 0.0; T(16): 0.0	KSAESPTsPVTSETG	S7;	High	2708.399868	3.11	0.21	23.1	1.4	3	3	43.85	High	0.2273	4.532539368	High	0.0177	Yes
NP_004069.1	1465	4758086	CSRP1	cysteine and glycine-rich protein 1 isoform 1 [Homo sapiens]	S192	0.79	1.1	GFGFGQGAGALVHsE	1	2	2	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S14(100)]	S14(Phospho): 100	S(14): 100.0	GAGALVHsE_	S14;	High	1742.810066					1	1	43.85	High	0.9545	3.279838562	High	0.5732	Yes
NP_872363.1	283149	32698936	BCL9L	B-cell CLL/lymphoma 9-like protein [Homo sapiens]	S118	2.12	2.62	SVsVDSGEQR	1	1	6	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(6): 0.0	VKRDRSVsVDSGEQR	S3;	High	1372.630705	1.09	1.78	4	8.1	3	3	43.81	High	0.3864	3.383951187	High	0.1716	Yes
NP_067643.3	64236	311771772	PDLIM2	PDZ and LIM domain protein 2 isoform 2 [Homo sapiens]	S379	0.73	0.71	SSYSSPTSLsPR	1	3	2	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S10(100)]	S10(Phospho): 99.99	S(1): 0.0; S(2): 0.0; Y(3): 0.0; S(4): 0.0; S(5): 0.0; T(7): 0.0; S(8): 0.0; S(10): 100.0	YSSPTSLsPRAGSPF	S10;	High	1577.740984					1	1	43.81	High	0.2273	3.364986897	High	0.1161	No
NP_000225.1	3978	4557719	LIG1	DNA ligase 1 isoform 1 [Homo sapiens]	T195	0.79	1.97	AEtPTESVSEPEVATK	1	2	5	0	2ヲTMT6plex [N-Term; K16]; 1ヲPhospho [T3(100)]	T3(Phospho): 99.98	T(3): 100.0; T(5): 0.0; S(7): 0.0; S(9): 0.0; T(15): 0.0	LKTSKAEtPTESVSE	T3;	High	2213.099046	29.47	18.43	33.8	55	2	2	43.8	High	0.1818	3.245197773	High	0.0923	Yes
NP_001166935.1	55605	291167762	KIF21A	kinesin-like protein KIF21A isoform 1 [Homo sapiens]	S1673	1.44	1.9	NLQDGQISDTGDLGEDIAsN	1	4	3	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S19(100)]	S19(Phospho): 100	S(8): 0.0; T(10): 0.0; S(19): 100.0	DLGEDIAsN_	S19;	High	2371.049974					1	1	43.8	High	0.3864	2.83878231	High	0.25	Yes
NP_057404.2	4928	21264365	NUP98	nuclear pore complex protein Nup98-Nup96 isoform 1 [Homo sapiens]	S871	0.82	3.24	YGLQDsDEEEEEHPSK	1	4	2	0	2ヲTMT6plex [N-Term; K16]; 1ヲPhospho [S6(100)]	S6(Phospho): 100	Y(1): 0.0; S(6): 100.0; S(15): 0.0	SKYGLQDsDEEEEEH	S6;	High	2430.075016					1	1	43.77	High	0.9091	4.86893177	High	0.1745	No
NP_005643.2	7014	429535832	TERF2	telomeric repeat-binding factor 2 [Homo sapiens]	S365	2.33	1.97	DLVLPTQALPAsPALK	1	1	3	0	2ヲTMT6plex [N-Term; K16]; 1ヲPhospho [S12(100)]	S12(Phospho): 100	T(6): 0.0; S(12): 100.0	PTQALPAsPALKNKR	S12;	High	2172.244529					1	1	43.77	High	0.6818	4.348206043	High	0.5632	Yes
NP_001289958.1	11187	732663005	PKP3	plakophilin-3 isoform PKP3b [Homo sapiens]	S328; S329	6.98	4.5	TLQRLssGFDDIDLPSAVK	1	2	2	1	2ヲTMT6plex [N-Term; K19]; 2ヲPhospho [S6(100); S7(100)]	S6(Phospho): 100; S7(Phospho): 100	T(1): 0.0; S(6): 100.0; S(7): 100.0; S(16): 0.0	HRTLQRLsSGFDDID;RTLQRLSsGFDDIDL	S6; S7;	High	2680.340036					1	1	43.75	High	0.1818	4.077188492	High	0.4755	No;No
NP_001157745.1	23269	256017163	MGA	MAX gene-associated protein isoform 1 [Homo sapiens]	S3059	1.23	0.88	LGNSGAsPSSAGK	1	2	2	0	2ヲTMT6plex [N-Term; K13]; 1ヲPhospho [S7(99)]	S7(Phospho): 98.99	S(4): 0.0; S(7): 99.0; S(9): 1.0; S(10): 0.0	KLGNSGAsPSSAGK_	S7;	High	1670.851486					1	1	43.75	High	0.2273	3.206931353	High	0.1153	No
NP_001096631.1	400745	156938287	SH2D5	SH2 domain-containing protein 5 isoform 1 [Homo sapiens]	S197	0.49	0.85	DQLSQNVHALVsFR	1	2	2	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S12(100)]	S12(Phospho): 100	S(4): 0.0; S(12): 100.0	QNVHALVsFRRLPAE	S12;	High	1922.968692					1	1	43.7	High	0.9091	5.561398029	High	0.5198	Yes
NP_001287750.1	1975	664805999	EIF4B	eukaryotic translation initiation factor 4B isoform 1 [Homo sapiens]	S503; S509	1.41	1.88	SQSsDTEQQsPTSGGGK	1	2	7	0	2ヲTMT6plex [N-Term; K17]; 2ヲPhospho [S4(98.5); S10(100)]	S4(Phospho): 98.21; S10(Phospho): 99.93	S(1): 0.0; S(3): 1.8; S(4): 98.2; T(6): 0.1; S(10): 99.9; T(12): 0.0; S(13): 0.0	PPARSQSsDTEQQSP;SSDTEQQsPTSGGGK	S4; S10;	High	2298.989252	0.64	7.65	1.6	25.4	3	3	43.65	High	0.0909	5.151758194	High	0.2039	No;No
NP_079461.2	26115	157739945	TANC2	protein TANC2 [Homo sapiens]	S1827	1.68	0.73	SCDELSPVsPTQGGYPSEPTR	1	1	2	0	1ヲTMT6plex [N-Term]; 1ヲCarbamidomethyl [C2]; 1ヲPhospho [S9(100)]	S9(Phospho): 100	S(1): 0.0; S(6): 0.0; S(9): 100.0; T(11): 0.0; Y(15): 0.0; S(17): 0.0; T(20): 0.0	CDELSPVsPTQGGYP	S9;	High	2573.142829					1	1	43.64	High	0.25	4.172028065	High	0.1535	Yes
NP_112578.2	83444	94536798	INO80B	INO80 complex subunit B [Homo sapiens]	S351	1.39	1.61	LGGPEGPGsPLLAT	1	1	4	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0; T(14): 0.0	GGPEGPGsPLLAT_	S9;	High	1574.802856					1	1	43.63	High	0.6818	2.757146835	High	0.221	Yes
NP_055872.4	23077	291190787	MYCBP2	E3 ubiquitin-protein ligase MYCBP2 [Homo sapiens]	S3505	0.53	0.74	VNsGDTEVGSSLLR	1	1	3	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(6): 0.0; S(10): 0.0; S(11): 0.0	IPRRRVNsGDTEVGS	S3;	High	1742.852325	62.49	11.37	49.8	12	2	2	43.61	High	0.5227	3.372316837	High	0.1751	No
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	T211	0.71	0.68	WDQTADQTPGAtPK	1	1	2	0	2ヲTMT6plex [N-Term; K14]; 1ヲDeamidated [Q7(100)]; 1ヲPhospho [T12(100)]	Q7(Deamidated): 100; T12(Phospho): 100	T(4): 0.0; T(8): 0.0; T(12): 100.0	ADQTPGAtPKKLSSW	T12;	High	2054.983623					1	1	43.6	High	0.3182	3.703696966	High	0.1541	Yes
NP_006816.2	10970	19920317	CKAP4	cytoskeleton-associated protein 4 [Homo sapiens]	S17	0.56	1.38	GGHGAAsPSEK	1	1	4	0	2ヲTMT6plex [N-Term; K11]; 1ヲPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; S(9): 0.0	KGGHGAAsPSEKGAH	S7;	High	1535.761943	36.76	22.59	29.9	46.3	2	2	43.58	High	0.5909	3.813745737	High	0.2572	Yes
NP_056982.1	51341	7705375	ZBTB7A	zinc finger and BTB domain-containing protein 7A [Homo sapiens]	S526	1.96	1.77	GGAPDPSPGATATPGAPAQPSsPDARR	1	1	6	1	1ヲTMT6plex [N-Term]; 1ヲPhospho [S22(98.6)]	S22(Phospho): 98.6	S(7): 0.0; T(11): 0.0; T(13): 0.0; S(21): 1.4; S(22): 98.6	GAPAQPSsPDARRNG	S22;	High	2795.331115	23.9	37.05	74.4	117	2	2	43.55	High	0.1591	7.109928131	High	0.0127	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S135	1.81	1.21	LKsEDGVEGDLGETQSR	1	1	4	1	2ヲTMT6plex [N-Term; K2]; 1ヲDeamidated [Q15(100)]; 1ヲPhospho [S3(100)]	S3(Phospho): 100; Q15(Deamidated): 100	S(3): 100.0; T(14): 0.0; S(16): 0.0	KIKPRLKsEDGVEGD	S3;	High	2359.143036	1.7	5.22	4.4	9	2	2	43.54	High	0.9545	5.736783981	High	0.4965	Yes
NP_004987.2	4363	134142337	ABCC1	multidrug resistance-associated protein 1 [Homo sapiens]	S930	0.29	0.19	HHNsTAELQK	1	1	2	0	2ヲTMT6plex [N-Term; K10]; 1ヲPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(5): 0.0	DISRHHNsTAELQKA	S4;	High	1702.867805					1	1	43.53	High	0.2727	4.597802162	High	0.0739	Yes
NP_006517.1	7764	5730124	ZNF217	zinc finger protein 217 [Homo sapiens]	S407	0.42	5.04	AGAEsPTMSVDGR	1	1	2	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S5(100)]	S5(Phospho): 99.99	S(5): 100.0; T(7): 0.0; S(9): 0.0	DRRAGAEsPTMSVDG	S5;	High	1586.708303					1	1	43.53	High	0.0682	3.182215214	High	0.1478	Yes
NP_003878.1	8853	4502249	ASAP2	arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 2 isoform a [Homo sapiens]	S701	1.86	0.46	LLHEDLDEsDDDMDEKLQPSPNR	1	2	4	1	2ヲTMT6plex [N-Term; K16]; 1ヲOxidation [M13(100)]; 1ヲPhospho [S9(100)]	S9(Phospho): 100; M13(Oxidation): 100	S(9): 100.0; S(20): 0.0	LHEDLDEsDDDMDEK	S9;	High	3265.497203	8.94	4.7	23.8	3.1	2	2	43.52	High	0.6818	5.871723652	High	0.2743	Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S117; S118	0.36	0.24	HAYEGSSSGNssPEYPRK	1	1	5	1	2ヲTMT6plex [N-Term; K18]; 2ヲPhospho [S11(98.1); S12(100)]	S11(Phospho): 98.12; S12(Phospho): 99.96	Y(3): 0.0; S(6): 0.0; S(7): 0.0; S(8): 1.9; S(11): 98.1; S(12): 100.0; Y(15): 0.0	EGSSSGNsSPEYPRK;GSSSGNSsPEYPRKE	S11; S12;	High	2571.131834					1	1	43.51	High	0.2273	5.893536091	High	0.0068	No;No
NP_001269901.1	4735	545478466	Sep-02	septin-2 isoform b [Homo sapiens]	S253	1.03	0.85	IYHLPDAEsDEDEDFKEQTR	1	3	5	1	2ヲTMT6plex [N-Term; K16]; 1ヲPhospho [S9(100)]	S9(Phospho): 100	Y(2): 0.0; S(9): 100.0; T(19): 0.0	YHLPDAEsDEDEDFK	S9;	High	2975.371198	2.59	33.14	3.8	41.3	2	2	43.51	High	0.7045	4.731418133	High	0.2262	No
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S836	0.41	4.16	sQEADVQDWEFR	1	1	2	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0	AQLGTQRsQEADVQD	S1;	High	1818.789725					1	1	43.51	High	1	4.673837662	High	0.7238	Yes
NP_001011663.1	84108	58761530	PCGF6	polycomb group RING finger protein 6 isoform a [Homo sapiens]	S115	0.95	1.63	LEGGRQDsEDEEER	1	2	4	1	1ヲTMT6plex [N-Term]; 1ヲPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0	LEGGRQDsEDEEERL	S8;	High	1957.833774	9.37	6.56	12.6	15.2	2	2	43.49	High	0.9302	3.898191452	High	0.5333	Yes
NP_060137.2	55610	62865871	CCDC132	coiled-coil domain-containing protein 132 isoform a [Homo sapiens]	S559	1.03	1.56	SAYQEYDsDSDVPEELKR	1	2	2	1	2ヲTMT6plex [N-Term; K17]; 1ヲPhospho [S8(100)]	S8(Phospho): 99.99	S(1): 0.0; Y(3): 0.0; Y(6): 0.0; S(8): 100.0; S(10): 0.0	SAYQEYDsDSDVPEE	S8;	High	2669.238393					1	1	43.46	High	0.3953	4.237060547	High	0.0896	Yes
NP_938018.1	219855	38093649	SLC37A2	sugar phosphate exchanger 2 isoform 1 [Homo sapiens]	S498	0.36	1.89	GSGsSMVLTHQ	1	1	3	0	1ヲTMT6plex [N-Term]; 1ヲPhospho [S4(98.6)]	S4(Phospho): 98.55	S(2): 0.7; S(4): 98.6; S(5): 0.7; T(9): 0.0	SLSRGSGsSMVLTHQ	S4;	High	1412.644247					1	1	43.45	High	0.3023	3.622507095	High	0.0525	No

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_005372.2	4691	55956788	NCL	nucleolin [Homo sapiens]	S619	1	2.59	GFGFVDFNsEEDAK	1	1	2	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	FGFVDFNsEEDAKAA	S9;	High	2099.972724					1	1	43.44	High	0.9767	2.853059769	High	0.6596	Yes
NP_005917.2	4236	50726968	MFAP1	microfibrillar-associated protein 1 [Homo sapiens]	S52; S53	1.87	1.14	RPDYAPMEssDEEDEEFQFIK	1	1	2	0	2ﾗTMT6plex [N-Term; K21]; 1ﾗOxidation [M7(100)]; 2ﾗPhospho [S9(100); S10(100)]	M7(Oxidation): 100; S9(Phospho): 100; S10(Phospho): 100	Y(4): 0.0; S(9): 100.0; S(10): 100.0	PDYAPMEsSDEEDEE;DYAPMESsDEEDEEF	S9; S10;	High	3196.35113					1	1	43.42	High	0.093	3.627444267	High	0.1901	Yes;Yes
NP_065863.2	57572	157426887	DOCK6	dedicator of cytokinesis protein 6 [Homo sapiens]	S159	0.48	0.88	QVFEQDAsGDER	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0	QVFEQDAsGDERSGP	S8;	High	1689.731876					1	1	43.39	High	1	2.857768774	High	0.6643	No
NP_877499.1	55117	33354281	SLC6A15	sodium-dependent neutral amino acid transporter B(0)AT2 isoform 1 [Homo sapiens]	S701	1.8	1.2	QSGsPTLDTAPNGR	1	2	6	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [N12(100)]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100; N12(Deamidated): 100	S(2): 0.0; S(4): 100.0; T(6): 0.0; T(9): 0.0	IYRKQSGsPTLDTAP	S4;	High	1710.789725	3.24	1.52	8.3	2.6	2	2	43.38	High	0.0465	3.238693476	High	0.0957	Yes
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S21; S26	0.2	0.19	SFSTAsAITPsVSR	1	1	13	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S3(100); S6(100)]	S6(Phospho): 98.58; S11(Phospho): 98.6	S(1): 0.0; S(3): 0.0; T(4): 1.4; S(6): 98.6; T(9): 0.0; S(11): 98.6; S(13): 1.4	SRSFSTAsAITPSVS;TASAITPsVSRTSFT	S6; S11;	High	1799.817928	112.1	130.51	60	66.5	6	6	43.37	High	0.4884	4.688942432	High	0.1919	Yes;No
NP_003676.2	8570	154355000	KHSRP	far upstream element-binding protein 2 [Homo sapiens]	S181	0.47	2.2	VQIsPDSGGLPER	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(7): 0.0	SGCKVQIsPDSGGLP	S4;	High	1663.825382					1	1	43.35	High	0.2326	3.543466091	High	0.113	Yes
NP_001272368.1	253260	550544217	RICTOR	rapamycin-insensitive companion of mTOR isoform 2 [Homo sapiens]	S1174; T1175	1.35	0.59	HIEDTGstPSIGENDLK	1	3	2	0	2ﾗTMT6plex [N-Term; K17]; 2ﾗPhospho [S7(100); T8(98.2)]	S7(Phospho): 99.96; T8(Phospho): 98.17	T(5): 0.0; S(7): 100.0; T(8): 98.2; S(10): 1.9	KHIEDTGsTPSIGEN;HIEDTGStPSIGEND	S7; T8;	High	2431.119538					1	1	43.34	High	0.093	3.732905865	High	0.0992	Yes;Yes
NP_001278907.1	8602	634743243	NOP14	nucleolar protein 14 isoform 1 [Homo sapiens]	S96	1.16	0.66	FGEYNSNMsPEEK	1	2	3	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗOxidation [M8(100)]; 1ﾗPhospho [S9(100)]	M8(Oxidation): 100; S9(Phospho): 100	Y(4): 0.0; S(6): 0.0; S(9): 100.0	GEYNSNMsPEEKMMK	S9;	High	2085.924059	40.92	10.61	75.8	10	2	2	43.33	High	0.4651	4.167473316	High	0.2326	Yes
NP_056018.2	23248	183396804	RPRD2	regulation of nuclear pre-mRNA domain-containing protein 2 isoform 1 [Homo sapiens]	T723	1.13	0.98	GPTSTSIDNIDGtPVRDER	1	3	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T13(100)]	T13(Phospho): 100	T(3): 0.0; S(4): 0.0; T(5): 0.0; S(6): 0.0; T(13): 100.0	SIDNIDGtPVRDERS	T13;	High	2339.107764					1	1	43.32	High	0.7674	6.094017982	High	0.3842	Yes
NP_037450.2	84726	149192855	PRRC2B	protein PRRC2B [Homo sapiens]	S556	0.98	1.46	EVPWsPSAEK	1	1	2	0	2ﾗTMT6plex [N-Term; K10]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(7): 0.0	AEKEVPWsPSAEKAS	S5;	High	1667.84461					1	1	43.3	High	0.4186	2.664003611	High	0.1805	Yes
NP_001099008.1	10514	157694494	MYBBP1A	myb-binding protein 1A isoform 1 [Homo sapiens]	S1267	1.69	1.74	NQKPSQVNGAPGsPTEPAGQK	1	2	5	0	3ﾗTMT6plex [N-Term; K3; K21]; 1ﾗPhospho [S13(100)]	S13(Phospho): 100	S(5): 0.0; S(13): 100.0; T(15): 0.0	QVNGAPGsPTEPAGQ	S13;	High	2859.496897	5.25	7.52	12.6	18.7	2	2	43.29	High	0.0465	5.480626583	High	0.1095	Yes
NP_002574.2	5074	55769533	PAWR	PRKC apoptosis WT1 regulator protein [Homo sapiens]	S259	5	3.47	DANVsGTLVSSSTLEK	1	1	2	0	2ﾗTMT6plex [N-Term; K16]; 1ﾗPhospho [S5(98.9)]	S5(Phospho): 98.86	S(5): 98.9; T(7): 1.1; S(10): 0.0; S(11): 0.0; S(12): 0.0; T(13): 0.0	YNRDANVsGTLVSSS	S5;	High	2146.104466					1	1	43.22	High	0.0698	3.149779081	High	0.1175	Yes
NP_004517.2	4171	33356547	MCM2	DNA replication licensing factor MCM2 [Homo sapiens]	S139	0.86	0.72	RGLLYDsDEEDEERPAR	1	1	4	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	Y(5): 0.0; S(7): 100.0	RRGLLYDsDEEDEER	S7;	High	2359.076464	19.81	2.89	24.6	2.9	2	2	43.21	High	0.814	5.474415779	High	0.1974	Yes
NP_061848.2	54386	52627149	TERF2IP	telomeric repeat-binding factor 2-interacting protein 1 [Homo sapiens]	S203	0.54	1.15	YLLGDAPVsPSSQK	1	1	2	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗDeamidated [Q13(100)]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100; Q13(Deamidated): 100	Y(1): 0.0; S(9): 100.0; S(11): 0.0; S(12): 0.0	LLGDAPVsPSSQKLK	S9;	High	2001.034596					1	1	43.2	High	0.2326	4.175216675	High	0.1388	Yes
NP_001102.2	103	70166852	ADAR	double-stranded RNA-specific adenosine deaminase isoform a [Homo sapiens]	T601	0.89	2.18	TAESQtPTPSATSFFSGK	1	4	5	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [T6(100)]	T6(Phospho): 99.95	T(1): 0.0; S(4): 0.0; T(6): 100.0; T(8): 0.0; S(10): 0.0; T(12): 0.0; S(13): 0.0; S(16): 0.0	EKTAESQtPTPSATS	T6;	High	2382.163043					1	1	43.2	High	0.1163	4.081437588	High	0.0343	Yes
NP_899064.1	286257	39930541	C9orf142	protein PAXX [Homo sapiens]	S148	0.31	0.35	RLAAAEETAVsPR	1	1	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	T(8): 0.0; S(11): 100.0	AAEETAVsPRKSPRP	S11;	High	1679.867916					1	1	43.17	High	0.5349	4.938139439	High	0.2591	Yes
NP_055726.3	22848	148277037	AAK1	AP2-associated protein kinase 1 [Homo sapiens]	S637	3.09	2.16	ILsDVTHSAVFGVPASK	1	1	4	0	2ﾗTMT6plex [N-Term; K17]; 1ﾗPhospho [S3(99.1)]	S3(Phospho): 99.09	S(3): 99.1; T(6): 0.9; S(8): 0.0; S(16): 0.0	AGHRRILsDVTHSAV	S3;	High	2266.224856					1	1	43.15	High	0.0233	5.843450546	High	0.0308	Yes
NP_005548.2	3868	24430192	KRT16	keratin, type I cytoskeletal 16 [Homo sapiens]	S448	0.27	0.16	EVFTSSsSSSSR	1	1	14	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(99.1)]	S7(Phospho): 99.13	T(4): 0.0; S(5): 0.9; S(6): 0.0; S(7): 99.1; S(8): 0.0; S(9): 0.0; S(10): 0.0; S(11): 0.0	REVFTSSsSSSSRQT	S7;	High	1569.699513	16.15	59.35	7.6	16.9	3	3	43.15	High	0.2326	3.491853237	High	0.0516	No
NP_001185883.1	100526767	312147344	RNF103-CHMP3	RNF103-CHMP3 protein [Homo sapiens]	S229	0.63	1.79	VTDALPEPEPPGAMAAsEDEEEEEALEAMQSR	1	4	3	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M14(100)]; 1ﾗPhospho [S17(100)]	M14(Oxidation): 100; S17(Phospho): 100	T(2): 0.0; S(17): 100.0; S(32): 0.0	PPGAMAAsEDEEEEE	S17;	High	3882.665971					1	1	43.15	High	0.4186	2.837113619	High	0.2746	No
NP_065778.3	49854	50345873	ZBTB21	zinc finger and BTB domain-containing protein 21 isoform L [Homo sapiens]	S345	2.97	0.69	RSLsMDSQVPVYSPSIDLK	1	2	5	1	2ﾗTMT6plex [N-Term; K19]; 1ﾗOxidation [M5(100)]; 1ﾗPhospho [S4(98.1)]	S4(Phospho): 98.08; M5(Oxidation): 100	S(2): 1.9; S(4): 98.1; S(7): 0.0; Y(12): 0.0; S(13): 0.0; S(15): 0.0	SLLRRSLsMDSQVPV	S4;	High	2676.37199					1	1	43.14	High	0.0698	3.523315668	High	0.0455	Yes
NP_003668.2	8562	27501446	DENR	density-regulated protein [Homo sapiens]	S73	0.5	1.16	LTVENsPKQEAGISEGQGTAGEEEEK	1	1	2	1	3ﾗTMT6plex [N-Term; K8; K26]; 1ﾗPhospho [S6(100)]	S6(Phospho): 99.97	T(2): 0.0; S(6): 100.0; S(14): 0.0; T(19): 0.0	AKLTVENsPKQEAGI	S6;	High	3484.729929					1	1	43.13	High	0.0698	6.372960567	High	0.0738	Yes
NP_068831.1	3728	12056468	JUP	junction plakoglobin [Homo sapiens]	T78	0.72	0.41	TTTYTQGVPPSQGDLEYQMStTAR	1	1	10	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M19(100)]; 1ﾗPhospho [T/S/Y]	M19(Oxidation): 100; T21(Phospho): 93.7	T(1): 0.0; T(2): 0.0; T(3): 0.0; Y(4): 0.0; T(5): 0.0; S(11): 0.0; Y(17): 0.0; S(20): 3.2; T(21): 93.7; T(22): 3.2	DLEYQMStTARAKRV	T21;	High	2957.343714	18.84	39.22	19.4	23.1	2	2	43.13	High	0.1395	4.260098457	High	0.0305	No
NP_803193.2	8496	312032469	PPFIBP1	liprin-beta-1 isoform 2 [Homo sapiens]	S636	0.66	0.17	DLGQsNSDLDMPFAK	1	4	3	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗOxidation [M11(100)]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100; M11(Oxidation): 100	S(5): 100.0; S(7): 0.0	WSRDLGQsNSDLDMP	S5;	High	2192.034672					1	1	43.13	High	0.1395	3.882882595	High	0.0284	Yes
NP_005461.2	10006	61743942	ABI1	abl interactor 1 isoform a [Homo sapiens]	S225	0.65	0.65	LGSQHsPGR	1	12	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(3): 0.0; S(6): 100.0	ARLGSQHsPGRTASL	S6;	High	1247.609516					1	1	43.08	High	0.4884	3.780924559	High	0.2831	Yes
NP_056130.2	23367	39725634	LARP1	la-related protein 1 [Homo sapiens]	S471	1.14	0.79	GLSAsLPDLDSENWIEVK	1	1	2	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗDeamidated [N13(100)]; 1ﾗPhospho [S5(100)]	S5(Phospho): 99.98; N13(Deamidated): 100	S(3): 0.0; S(5): 100.0; S(11): 0.0	LPKGLSAsLPDLDSE	S5;	High	2512.262423					1	1	43.08	High	0.2093	2.948894501	High	0.0508	No
NP_976226.1	4215	42794767	MAP3K3	mitogen-activated protein kinase kinase kinase 3 isoform 1 [Homo sapiens]	S368	1	0.77	LRsADSENALSVQER	1	2	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; S(11): 0.0	DPRGRLRsADSENAL	S3;	High	1983.969814					1	1	43.07	High	0.3023	3.573654652	High	0.2129	No
NP_001001132.1	6453	47717125	ITSN1	intersectin-1 isoform ITSN-s [Homo sapiens]	S904	0.62	0.98	SAFTPATATGSSPsPVLGQGEKVEGLQAQALYPWR	1	2	20	1	2ﾗTMT6plex [N-Term; K22]; 1ﾗDeamidated [Q27(97.7)]; 1ﾗPhospho [S14(99.9)]	S14(Phospho): 99.89; Q27(Deamidated): 97.66	S(1): 0.0; T(4): 0.0; T(7): 0.0; T(9): 0.0; S(11): 0.1; S(12): 0.1; S(14): 99.9; Y(32): 0.0	TATGSSPsPVLGQGE	S14;	High	4141.104747					1	1	43.05	High	0.0233	8.163304329	High	0.0172	Yes
NP_001032897.1	8663	83700233	EIF3C	eukaryotic translation initiation factor 3 subunit C isoform a [Homo sapiens]	S39	1.49	0.83	QPLLLsEDEEDTK	1	3	3	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; T(12): 0.0	GKQPLLLsEDEEDTK	S6;	High	2055.029904					1	1	43.05	High	0.7442	4.432486057	High	0.3228	Yes
NP_001159582.1	23022	260656034	PALLD	palladin isoform 4 [Homo sapiens]	S410	0.62	0.69	SRDsGDENEPIQER	1	4	4	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; S(4): 100.0	PRSRSRDsGDENEPI	S4;	High	1940.854844	9.89	0.46	8.7	0.4	2	2	43.03	High	0.2558	6.193941116	High	0.1034	No
NP_071440.1	64121	11995472	RRAGC	ras-related GTP-binding protein C isoform 1 [Homo sapiens]	T394	0.93	0.88	ALTHNGtPR	1	2	7	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [N5(100)]; 1ﾗPhospho [T7(100)]	N5(Deamidated): 100; T7(Phospho): 100	T(3): 0.0; T(7): 100.0	KALTHNGtPRNAI_	T7;	High	1276.624832	6.92	7.08	9.1	8.8	2	2	43.03	High	0.6512	3.535293818	High	0.3531	Yes
NP_001003699.1	6239	51173737	RREB1	ras-responsive element-binding protein 1 isoform 1 [Homo sapiens]	S1167	0.98	0.85	ANsGGVDLDSSGEFASIEK	1	3	2	0	2ﾗTMT6plex [N-Term; K19]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(10): 0.0; S(11): 0.0; S(16): 0.0	RSRPRANsGGVDLDS	S3;	High	2421.158686					1	1	43.01	High	0.6279	4.788105965	High	0.3737	Yes
NP_077003.1	79080	13129104	CCDC86	coiled-coil domain-containing protein 86 [Homo sapiens]	S18	1.93	1.76	LGGLRPEsPESLTSVSR	1	1	7	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; S(11): 0.0; T(13): 0.0; S(14): 0.0; S(16): 0.0	LGGLRPEsPESLTSV	S8;	High	2094.079365	2.25	3.58	8.7	12.7	4	4	42.99	High	0.2326	4.399959564	High	0.0909	Yes
NP_061174.1	55917	24308179	CTTNBP2NL	CTTNBP2 N-terminal-like protein [Homo sapiens]	S484	0.4	1.15	FQSQADQDQQASGLQSPPsR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S19(98.6)]	S19(Phospho): 98.62	S(3): 0.0; S(12): 0.0; S(16): 1.4; S(19): 98.6	SGLQSPPsRDLSPTL	S19;	High	2484.135376					1	1	42.99	High	0.0233	3.328314543	High	0.033	Yes
NP_071435.2	64114	50593008	TMBIM1	protein lifeguard 3 [Homo sapiens]	S83	0.78	0.95	AVSDsFGPGEWDDR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(3): 0.0; S(5): 100.0	EERAVSDsFGPGEWD	S5;	High	1846.784639					1	1	42.93	High	0.4884	2.598633051	High	0.2577	Yes
NP_055642.3	9877	114842410	ZC3H11A	zinc finger CCCH domain-containing protein 11A [Homo sapiens]	S108	1.17	1.66	TVLPTVPEsPEEEVK	1	1	6	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	T(1): 0.0; T(5): 0.0; S(9): 100.0	VLPTVPEsPEEEVKA	S9;	High	2192.150353	33.55	5.53	76.8	16	3	3	42.92	High	0.4651	4.337266445	High	0.2604	Yes
NP_003891.1	8878	4505571	SQSTM1	sequestosome-1 isoform 1 [Homo sapiens]	T269; S272	1.71	1.72	SRLtPVsPESSSTEEK	1	2	4	1	2ﾗTMT6plex [N-Term; K16]; 2ﾗPhospho [T4(100); S7(100)]	T4(Phospho): 100; S7(Phospho): 100	S(1): 0.0; T(4): 100.0; S(7): 100.0; S(10): 0.0; S(11): 0.0; S(12): 0.0; T(13): 0.0	GGKRSRLtPVSPESS;RSRLTPVsPESSSTE	T4; S7;	High	2352.113724	8.19	1.71	20	4.2	2	2	42.88	High	0.6047	3.923520327	High	0.3316	Yes;Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S616	1.44	1.18	TAsPPPPPK	1	3	10	0	2ﾗTMT6plex [N-Term; K9]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0	PPKRRTAsPPPPPKR	S3;	High	1429.785639	2.04	3.82	5.9	9	4	4	42.88	High	0.2558	3.410959959	High	0.1232	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S696	1.49	0.92	APQTSSsPPPVR	1	3	73	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 99.99	T(4): 0.0; S(5): 0.0; S(6): 0.0; S(7): 100.0	RAPQTSSsPPPVRRG	S7;	High	1532.767139	1.44	8.25	7.4	26.8	12	12	42.87	High	0.2558	5.347764969	High	0.0449	Yes
NP_005900.2	4131	153945728	MAP1B	microtubule-associated protein 1B [Homo sapiens]	S1265	0.86	8.57	SPSLSPSPPsPLEK	1	1	5	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	S(1): 0.0; S(3): 0.0; S(5): 0.0; S(7): 0.0; S(10): 100.0	SLSPSPPsPLEKTPL	S10;	High	1961.039681	39.5	1.49	50.9	18.2	2	2	42.84	High	0.4884	4.555901051	High	0.3882	Yes
NP_055820.2	283638	326319990	CEP170B	centrosomal protein of 170 kDa protein B isoform 2 [Homo sapiens]	S1065	1.34	0.39	ARLGDAsDTEAADGER	1	2	4	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; T(9): 0.0	RARLGDAsDTEAADG	S7;	High	1942.870494					1	1	42.83	High	0.1395	4.394603729	High	0.18	No
NP_036244.2	22974	20127519	TPX2	targeting protein for Xklp2 [Homo sapiens]	S738	1.68	0.69	SSDQPLTVPVsPK	1	1	2	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	S(1): 0.0; S(2): 0.0; T(7): 0.0; S(11): 100.0	QPLTVPVsPKFSTRF	S11;	High	1893.013466					1	1	42.83	High	0.0698	3.357731342	High	0.256	Yes
NP_001011713.2	122830	190341107	NAA30	N-alpha-acetyltransferase 30 [Homo sapiens]	S152	1.42	0.97	TAVPsPVEAAAASDPAAAR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	T(1): 0.0; S(5): 100.0; S(13): 0.0	NARTAVPsPVEAAAA	S5;	High	2061.021515	33.89	55.88	76.8	89.6	2	2	42.82	High	0.093	3.98316431	High	0.1533	Yes
NP_002087.2	2962	156104891	GTF2F1	general transcription factor IIF subunit 1 [Homo sapiens]	S433	1.3	2.1	LDTGPQSLsGK	1	1	2	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	T(3): 0.0; S(7): 0.0; S(9): 100.0	DTGPQSLsGKSTPQP	S9;	High	1640.866074					1	1	42.82	High	0.4186	3.324887514	High	0.1024	Yes
NP_075388.2	65117	38146107	RSRC2	arginine/serine-rich coiled-coil protein 2 [Homo sapiens]	S30	1.04	0.96	EQSEVsVSPR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 99.99	S(3): 0.0; S(6): 100.0; S(8): 0.0	KKEQSEVsVSPRASK	S6;	High	1426.677655	1.5	11.45	2.2	15.6	2	2	42.82	High	0.2791	3.034599781	High	0.1584	Yes
NP_001136402.1	8539	219283152	API5	apoptosis inhibitor 5 isoform a [Homo sapiens]	S464	1.68	1.29	ASEDTTSGsPPK	1	4	5	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(2): 0.0; T(5): 0.0; T(6): 0.0; S(7): 0.0; S(9): 100.0	SEDTTSGsPPKKSSA	S9;	High	1714.830082	21.85	10.09	55.8	18.5	2	2	42.81	High	0.2791	4.53068161	High	0.2296	Yes
NP_003012.1	6449	4506921	SGTA	small glutamine-rich tetratricopeptide repeat-containing protein alpha [Homo sapiens]	S305	0.8	1.04	TPsASNDDQQE	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(99.2)]	S3(Phospho): 99.23	T(1): 0.8; S(3): 99.2; S(5): 0.0	QIRSRTPsASNDDQQ	S3;	High	1500.605278					1	1	42.79	High	0.3256	3.161445856	High	0.0981	Yes
NP_002267.2	3880	24234699	KRT19	keratin, type I cytoskeletal 19 [Homo sapiens]	T323	0.59	0.38	AALEDtLAETEAR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T6(100)]	T6(Phospho): 100	T(6): 100.0; T(10): 0.0	MKAALEDtLAETEAR	T6;	High	1698.814877					1	1	42.7	High	0.6279	3.832830191	High	0.2611	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1329	0.55	2.38	ENSFGsPLEFR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(3): 0.0; S(6): 100.0	LRENSFGsPLEFRNS	S6;	High	1591.735505					1	1	42.7	High	0.3953	3.049444675	High	0.0361	Yes
NP_006550.1	10657	5730027	KHDRBS1	KH domain-containing, RNA-binding, signal transduction-associated protein 1 isoform 1 [Homo sapiens]	S20	1.76	0.92	SGsMDPSGAHPSVR	1	2	15	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M4(100)]; 1ﾗPhospho [S]	S3(Phospho): 100; M4(Oxidation): 100	S(1): 0.0; S(3): 100.0; S(7): 0.0; S(12): 0.0	RSSGRSGsMDPSGAH	S3;	High	1709.751566	7.44	35.13	26.7	72.2	4	4	42.69	High	0.5349	5.416711807	High	0.0498	Yes
NP_904325.2	23095	41393559	KIF1B	kinesin-like protein KIF1B isoform alpha [Homo sapiens]	S1053	1.41	0.96	SNsLNNGQPK	1	1	4	0	2ﾗTMT6plex [N-Term; K10]; 1ﾗDeamidated [N6(99.2)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99; N6(Deamidated): 99.2	S(1): 0.0; S(3): 100.0	QLRWRSNsLNNGQPK	S3;	High	1597.798723					1	1	42.69	High	0.1395	3.329102993	High	0.03	Yes
NP_001091742.1	3157	148298677	HMGCS1	hydroxymethylglutaryl-CoA synthase, cytoplasmic [Homo sapiens]	S495	1.23	2.26	RPTPNDDTLDEGVGLVHSNIATEHIPsPAK	1	1	3	0	2ﾗTMT6plex [N-Term; K30]; 1ﾗDeamidated [N19(100)]; 1ﾗPhospho [S27(100)]	N19(Deamidated): 100; S27(Phospho): 100	T(3): 0.0; T(8): 0.0; S(18): 0.0; T(22): 0.0; S(27): 100.0	IATEHIPsPAKKVPR	S27;	High	3719.868205					1	1	42.64	High	0.0465	9.581066132	High	0.1399	Yes
NP_001257365.1	10602	395627662	CDC42EP3	cdc42 effector protein 3 [Homo sapiens]	S100	0.73	0.94	ANSTSDSVFTETPsPVLK	1	1	9	0	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S3(98.8)]	S14(Phospho): 100	S(3): 0.0; T(4): 0.0; S(5): 0.0; S(7): 0.0; T(10): 0.0; T(12): 0.0; S(14): 100.0	SVFTETPsPVLKNAI	S14;	High	2418.220558	91.67	96.82	119.7	205.1	2	2	42.64	High	0.0465	4.312987328	High	0.0186	Yes
NP_066565.1	4836	10835073	NMT1	glycylpeptide N-tetradecanoyltransferase 1 [Homo sapiens]	S73	1	0.58	GSETDsAQDQPVK	1	1	3	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S6(100)]	S6(Phospho): 99.99	S(2): 0.0; T(4): 0.0; S(6): 100.0	EKGSETDsAQDQPVK	S6;	High	1899.910123					1	1	42.64	High	0.3488	3.535390854	High	0.0847	Yes
NP_001123528.1	1936	194239729	EEF1D	elongation factor 1-delta isoform 4 [Homo sapiens]	S109	1.39	0.61	ATAPQTQHVsPMR	1	4	20	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M12(100)]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100; M12(Oxidation): 100	T(2): 0.0; T(6): 0.0; S(10): 100.0	APQTQHVsPMRQVEP	S10;	High	1748.835236	8.95	44.82	38.7	98.5	9	9	42.61	High	0.5814	5.503571987	High	0.3018	No
NP_116126.3	84823	388240801	LMNB2	lamin-B2 [Homo sapiens]	T34	1.09	1.01	AGGPAtPLSPTR	1	1	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T6(100)]	T6(Phospho): 100	T(6): 100.0; S(9): 0.0; T(11): 0.0	GRAGGPAtPLSPTRL	T6;	High	1433.735111	1.57	9.02	3	15.9	3	3	42.55	High	0.5581	3.47334981	High	0.17	No
NP_075385.1	65108	13491174	MARCKSL1	MARCKS-related protein [Homo sapiens]	S22	6.22	2.81	GDVTAEEAAGAsPAKANGQENGHVK	1	1	7	1	3ﾗTMT6plex [N-Term; K15; K25]; 1ﾗDeamidated [Q19(98.5)]; 1ﾗPhospho [S12(100)]	S12(Phospho): 100; N17(Deamidated): 100	T(4): 0.0; S(12): 100.0	AEEAAGAsPAKANGQ	S12;	High	3176.582812					1	1	42.54	High	0.1163	7.188550949	High	0.0876	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_573441.2	54869	148539853	EPS8L1	epidermal growth factor receptor kinase substrate 8-like protein 1 isoform a [Homo sapiens]	T187	1.25	0.91	DRSPAAEtPPLQR	1	2	5	1	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S3(100)]	T8(Phospho): 100	S(3): 0.0; T(8): 100.0	DRSPAAEtPPLQRRP	T8;	High	1746.873729	11.72	11.75	25.7	18.7	3	3	42.52	High	1	4.060465813	High	0.3842	Yes
NP_064550.3	56852	256818821	RAD18	E3 ubiquitin-protein ligase RAD18 [Homo sapiens]	S471	0.93	1.12	NDLQDTEIsPR	1	1	2	0	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S9(100)]	S9(Phospho): 100	T(6): 0.0; S(9): 100.0	DLQDTEIsPRQNRRT	S9;	High	1596.746797					1	1	42.52	High	0.5349	2.97227788	High	0.202	Yes
NP_071387.1	63935	18034767	PCIF1	phosphorylated CTD-interacting factor 1 [Homo sapiens]	S116	1.35	1.75	QLsEEQPSGNGVK	1	1	2	0	2ﾂTMT6plex [N-Term; K13]; 1ﾂPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(8): 0.0	KPRKRQLsEEQPSGN	S3;	High	1910.962493					1	1	42.51	High	0.907	4.435186386	High	0.4257	Yes
NP_006691.1	10906	5729828	TRAFD1	TRAF-type zinc finger domain-containing protein 1 [Homo sapiens]	S327	0.42	0.99	ALPSLNTGSSsPR	1	1	12	0	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S11(100)]	S11(Phospho): 99.98	S(4): 0.0; T(7): 0.0; S(9): 0.0; S(10): 0.0; S(11): 100.0	SLNTGSSsPRGVEEP	S11;	High	1595.799167	110.52	13.97	95.7	24.3	3	3	42.5	High	0.1429	4.356967449	High	0.0872	Yes
NP_005617.2	6429	21361282	SRSF4	serine/arginine-rich splicing factor 4 [Homo sapiens]	S78	1.06	1.13	RDGsYGSGR	1	1	2	1	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; Y(5): 0.0; S(7): 0.0	RGPRRDGsYGSGRSG	S4;	High	1263.568045					1	1	42.5	High	0.619	3.575857639	High	0.1117	Yes
NP_056390.2	26058	42476299	GIGYF2	PERQ amino acid-rich with GYF domain-containing protein 2 isoform b [Homo sapiens]	S26; S30	1.52	1.31	ALSSGGSITsPPLsPALPK	1	3	6	0	2ﾂTMT6plex [N-Term; K19]; 2ﾂPhospho [S10(97.7); S14(100)]	S10(Phospho): 97.67; S14(Phospho): 100	S(3): 0.0; S(4): 0.0; S(7): 0.1; T(9): 2.3; S(10): 97.7; S(14): 100.0	SSGGSITsPPLSPAL;SITSPPLsPALPKYK	S10; S14;	High	2398.243616	6.34	2.09	13.7	3.9	2	2	42.48	High	0.1667	4.864058971	High	0.0391	Yes;Yes
NP_001171579.1	7739	296010963	ZNF185	zinc finger protein 185 isoform 3 [Homo sapiens]	T448	0.69	0.88	GGQGDPAVPAQQPADPStPER	1	8	3	0	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [T18(98.9)]	T18(Phospho): 98.93	S(17): 1.1; T(18): 98.9	QQPADPStPERQSSP	T18;	High	2384.108098					1	1	42.48	High	1	4.425620556	High	0.0542	No
NP_542399.1	113130	18087845	CDCA5	sororin [Homo sapiens]	S75	0.2	1.22	IVAHAVEVPAVQsPR	1	1	2	0	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S13(100)]	S13(Phospho): 100	S(13): 100.0	VEVPAVQsPRRSPRI	S13;	High	1882.014914					1	1	42.46	High	1	3.993099928	High	0.7368	Yes
NP_001287875.1	54815	665821193	GATAD2A	transcriptional repressor p66-alpha isoform 1 [Homo sapiens]	S100	0.83	0.84	RPPsPDVIVLSDNEQPSSPR	1	2	2	0	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(11): 0.0; S(17): 0.0; S(18): 0.0	KSERRPPsPDVIVLS	S4;	High	2499.244198					1	1	42.42	High	1	5.059943676	High	0.4032	Yes
NP_054908.2	118	29826321	ADD1	alpha-adducin isoform b [Homo sapiens]	T11	1.5	2.14	AAVVtSPPPTTAPHK	1	5	8	0	2ﾂTMT6plex [N-Term; K15]; 1ﾂPhospho [S6(99.2)]	T5(Phospho): 98.8	T(5): 98.8; S(6): 1.2; T(10): 0.0; T(11): 0.0	DSRAAVVtSPPPTTA	T5;	High	2012.098199	1.82	14.5	3.9	46.1	2	2	42.41	High	0.6429	5.193379879	High	0.0135	Yes
NP_004550.2	4904	34098946	YBX1	nuclease-sensitive element-binding protein 1 [Homo sapiens]	S165	1.29	1.44	NYQQNYQNsESGEK	1	1	2	0	2ﾂTMT6plex [N-Term; K14]; 1ﾂPhospho [S9(100)]	S9(Phospho): 99.99	Y(2): 0.0; Y(6): 0.0; S(9): 100.0; S(11): 0.0	YQQNYQNsESGEKNE	S9;	High	2227.006877					1	1	42.38	High	0.1905	3.274768353	High	0.0765	Yes
NP_150241.2	5371	67089149	PML	protein PML isoform 1 [Homo sapiens]	S518; S527	1.36	0.49	AVsPPHLDGPPsPR	1	7	2	0	1ﾂTMT6plex [N-Term]; 2ﾂPhospho [S3(100); S12(100)]	S3(Phospho): 100; S12(Phospho): 100	S(3): 100.0; S(12): 100.0	PSTSKAVsPPHLDGP;PHLDGPPsPRSPVIG	S3; S12;	High	1815.839332					1	1	42.37	High	1	3.50782156	High	0.6952	Yes;Yes
NP_001028725.1	92521	75750472	SPECC1	cytospin-B isoform 1 [Homo sapiens]	T809	0.66	0.88	tSPTPPESATTVK	1	2	7	0	2ﾂTMT6plex [N-Term; K13]; 1ﾂPhospho [T/S]	T1(Phospho): 99.02	T(1): 99.0; S(2): 1.0; T(4): 0.0; S(8): 0.0; T(10): 0.0; T(11): 0.0	PGVCVSRtSPTPPES	T1;	High	1853.966182	5.64	3.53	5.2	4.4	2	2	42.36	High	0.4286	4.181471825	High	0.0144	Yes
NP_000290.2	5317	53729346	PKP1	plakophilin-1 isoform 1b [Homo sapiens]	S65	0.24	0.49	SSQSSTLSHsNR	1	2	7	0	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S10(100)]	S10(Phospho): 100	S(1): 0.0; S(2): 0.0; S(4): 0.0; S(5): 0.0; T(6): 0.0; S(8): 0.0; S(10): 100.0	QSSTLSHsNRGSMYD	S10;	High	1599.732544		28.17		19.7	1	2	42.35	High	0.381	5.033554554	High	0.1392	Yes
NP_001185885.1	55827	312176366	DCAF6	DDB1- and CUL4-associated factor 6 isoform c [Homo sapiens]	S734	0.18	3.08	DSALQDTDDsDDDPVLIPGAR	1	4	2	0	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S10(100)]	S10(Phospho): 99.98	S(2): 0.0; T(7): 0.0; S(10): 100.0	ALQDTDDsDDDPVLI	S10;	High	2524.128953					1	1	42.35	High	0.381	3.12439394	High	0.1154	No
NP_001229510.1	54453	336088636	RIN2	ras and Rab interactor 2 isoform 1 [Homo sapiens]	S415	1.27	1.06	KQAsFLEAEGGAK	1	2	2	1	3ﾂTMT6plex [N-Term; K13; K]; 1ﾂPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	PRLKKQAsFLEAEGG	S4;	High	2103.145432					1	1	42.32	High	1	3.90640831	High	0.6931	No
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S998	0.47	0.67	RMEDEGGFPVPQENGQPEsPR	1	1	10	1	1ﾂTMT6plex [N-Term]; 1ﾂOxidation [M2(100)]; 1ﾂDeamidated [N14(98.4)]; 1ﾂPhospho [S19(100)]	M2(Oxidation): 100; N14(Deamidated): 98.45; S19(Phospho): 100	S(19): 100.0	QENGQPEsPRRLSLG	S19;	High	2682.170441	27.35	62.34	22.7	83.7	3	3	42.31	High	0.2857	4.844228745	High	0.0413	Yes
XP_005276554.1	101930123	530437751	LOC101930123	eukaryotic elongation factor 2 kinase [Homo sapiens]	S18	1.06	2.02	LEGVDGGQsPR	1	1	2	0	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	EGVDGGQsPRAGHDG	S9;	High	1423.67799					1	1	42.31	High	0.8095	2.843135357	High	0.6338	No
NP_009045.2	7110	110347443	TMF1	TATA element modulatory factor [Homo sapiens]	S77	2.64	1.74	SNTEPQSPPIAsPK	1	1	2	0	2ﾂTMT6plex [N-Term; K14]; 1ﾂPhospho [S12(100)]	S12(Phospho): 100	S(1): 0.0; T(3): 0.0; S(7): 0.0; S(12): 100.0	PQSPPIAsPKAITKP	S12;	High	1991.025093					1	1	42.27	High	0.7143	4.21696043	High	0.3981	Yes
NP_951009.1	2872	40018627	MKNK2	MAP kinase-interacting serine/threonine-protein kinase 2 isoform 2 [Homo sapiens]	S452	3.55	3.91	AsLSSAPVVLVGDHA	1	1	2	0	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S2(100)]	S2(Phospho): 99.99	S(2): 100.0; S(4): 0.0; S(5): 0.0	AQRRQRAsLSSAPVV	S2;	High	1731.887982					1	1	42.27	High	0.0714	3.233473778	High	0.0681	Yes
NP_001104026.1	2316	160420317	FLNA	filamin-A isoform 2 [Homo sapiens]	S1459	0.74	0.42	CSGPGLsPGMVR	1	2	5	0	1ﾂTMT6plex [N-Term]; 1ﾂCarbamidomethyl [C1]; 1ﾂOxidation [M10(100)]; 1ﾂPhospho [S7(100)]	S7(Phospho): 100; M10(Oxidation): 100	S(2): 0.0; S(7): 100.0	KCSGPGLsPGMVRAN	S7;	High	1542.700716	6.43	29.32	6.7	17.7	2	2	42.26	High	0.8333	4.702560425	High	0.334	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S407; S414	0.68	0.62	ASSHSsQTQGGGsVTK	1	6	7	0	2ﾂTMT6plex [N-Term; K16]; 2ﾂPhospho [S6(100); S13(97.9)]	S6(Phospho): 99.95; S13(Phospho): 97.94	S(2): 0.0; S(3): 0.0; S(5): 0.1; S(6): 100.0; T(8): 0.0; S(13): 97.9; T(15): 2.1	GRASSHSsQTQGGGS;SQTQGGGsVTKKRKL	S6; S13;	High	2136.972814	49.77	7.42	50.5	6.5	2	2	42.26	High	0.381	4.230613708	High	0.1442	Yes;Yes
NP_004694.2	9135	31377798	RABEP1	rab GTPase-binding effector protein 1 isoform 1 [Homo sapiens]	S407; S410	1.25	1.65	RAQsTDsLGTSGSLQSK	1	3	2	1	2ﾂTMT6plex [N-Term; K17]; 2ﾂPhospho [S4(98.5); S7(100)]	S4(Phospho): 98.53; S7(Phospho): 100	S(4): 98.5; T(5): 1.5; S(7): 100.0; T(10): 0.0; S(11): 0.0; S(13): 0.0; S(16): 0.0	DGLRRAQsTDSLGTS;RRAQSTDsLGTSGSL	S4; S7;	High	2341.120207					1	1	42.26	High	0.2857	3.913110733	High	0.2174	Yes;Yes
NP_694988.3	254427	223633935	PROSER2	proline and serine-rich protein 2 [Homo sapiens]	S179	2.46	5.36	APsPPVEHPR	1	1	10	0	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	RRELRAPsPPVEHPR	S3;	High	1395.698331	1.85	5.69	7.9	56.7	3	3	42.25	High	0.9524	3.456011772	High	0.6647	Yes
NP_006273.1	6789	5454096	STK4	serine/threonine-protein kinase 4 [Homo sapiens]	S320	1.52	0.37	EVDQDDEENsEEDEMDSGTMVR	1	1	2	0	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S10(100)]	S10(Phospho): 100	S(10): 100.0; S(17): 0.0; T(19): 0.0	DQDDEENsEEDEMDS	S10;	High	2868.090989					1	1	42.23	High	0.619	3.2787323	High	0.3659	Yes
NP_002818.1	5770	4506289	PTPN1	tyrosine-protein phosphatase non-receptor type 1 isoform 1 [Homo sapiens]	S50	0.7	1.02	DVsPFDHSR	1	1	2	0	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(8): 0.0	RNRYRDVsPFDHSRI	S3;	High	1368.614661					1	1	42.21	High	0.9048	3.54664278	High	0.4282	Yes
NP_004822.2	9441	28558977	MED26	mediator of RNA polymerase II transcription subunit 26 [Homo sapiens]	S535	1.82	1.25	QLHVLVPQsPPTDLPGLTR	1	1	2	0	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0; T(12): 0.0; T(18): 0.0	LHVLVPQsPPTDLPG	S9;	High	2377.284212					1	1	42.17	High	0.3571	5.089829445	High	0.1827	Yes
NP_004563.2	5318	148664226	PKP2	plakophilin-2 isoform 2b [Homo sapiens]	T63	0.54	0.6	IQEQVQQtLAR	1	2	4	0	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [T8(100)]	T8(Phospho): 100	T(8): 100.0	IQEQVQQtLARKGRS	T8;	High	1622.846452	15.62	2.73	11.9	2.3	2	2	42.17	High	0.9524	3.833070993	High	0.5875	Yes
NP_002527.1	4943	54607014	TBC1D25	TBC1 domain family member 25 [Homo sapiens]	S506	0.93	0.87	QAsLDGLQQLR	1	1	2	0	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	GRLLRQAsLDGLQQL	S3;	High	1537.793688					1	1	42.17	High	0.9762	3.21237874	High	0.6604	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	T2845	4.95	0.17	ISMPDIDLNLtGPK	1	1	2	0	2ﾂTMT6plex [N-Term; K14]; 1ﾂOxidation [M3(100)]; 1ﾂPhospho [T11(100)]	M3(Oxidation): 100; T11(Phospho): 100	S(2): 0.0; T(11): 100.0	PDIDLNLtGPKIKGD	T11;	High	2068.080166					1	1	42.16	High	0.881	3.508606195	High	0.6695	Yes
NP_005549.2	3898	20070205	LAD1	ladinin-1 [Homo sapiens]	S301	0.36	0.98	RATASEQPLAQEPPASGGsPATTK	1	1	3	1	2ﾂTMT6plex [N-Term; K24]; 1ﾂPhospho [S19(100)]	S19(Phospho): 100	T(3): 0.0; S(5): 0.0; S(16): 0.0; S(19): 100.0; T(22): 0.0; T(23): 0.0	EPPASGGsPATTKEQ	S19;	High	2890.471187					1	1	42.13	High	0.2857	5.655151844	High	0.0035	Yes
NP_056123.2	23360	158534059	FNBP4	formin-binding protein 4 [Homo sapiens]	T479	0.97	5.38	TGRDtPENGETAIGAENSEK	1	1	3	1	2ﾂTMT6plex [N-Term; K20]; 1ﾂPhospho [T5(98.6)]	T5(Phospho): 98.64	T(1): 1.4; T(5): 98.6; T(11): 0.0; S(18): 0.0	SSKTGRDtPENGETA	T5;	High	2614.23979					1	1	42.08	High	0.0476	4.01413393	High	0.0549	Yes
NP_002727.2	5577	47132585	PRKAR2B	cAMP-dependent protein kinase type II-beta regulatory subunit [Homo sapiens]	S114	2.47	0.94	RAsVCAEAYNPDEEEDDAESR	1	1	2	1	1ﾂTMT6plex [N-Term]; 1ﾂCarbamidomethyl [C5]; 1ﾂDeamidated [N10(100)]; 1ﾂPhospho [S3(100)]	S3(Phospho): 100; N10(Deamidated): 100	S(3): 100.0; Y(9): 0.0; S(20): 0.0	NRFTRRAsVCAEAYN	S3;	High	2723.09773					1	1	42.08	High	0.1667	3.871987581	High	0.1189	Yes
NP_002728.1	5578	4506067	PRKCA	protein kinase C alpha type [Homo sapiens]	S226	0.5	0.32	STLNPQWNEsFTFK	1	1	4	0	2ﾂTMT6plex [N-Term; K14]; 1ﾂPhospho [S10(100)]	S10(Phospho): 99.99	S(1): 0.0; T(2): 0.0; S(10): 100.0; T(12): 0.0	LNPQWNEsFTFKLKP	S10;	High	2237.104406	8.59	88.9	6.1	41.7	2	2	42.05	High	0.0952	5.199729443	High	0.0827	Yes
NP_001171669.1	2017	296080746	CTTN	src substrate cortactin isoform c [Homo sapiens]	T374	1.34	0.61	TQTPPVSPAPQPtEERLPSSPVYEDAASFK	1	3	10	1	2ﾂTMT6plex [N-Term; K30]; 1ﾂDeamidated [Q11(100)]; 1ﾂPhospho [T13(96)]	Q11(Deamidated): 100; T13(Phospho): 95.95	T(1): 0.0; T(3): 0.0; S(7): 0.0; T(13): 96.0; S(19): 2.0; S(20): 2.0; Y(23): 0.0; S(28): 0.0	VSPAPQPtEERLPSS	T13;	High	3765.866474					1	1	42.04	High	0.0714	6.389597893	High	0.0016	No
NP_001281269.1	124245	661567300	ZC3H18	zinc finger CCCH domain-containing protein 18 isoform 1 [Homo sapiens]	S46	1.17	1.68	DSGSDQDLDGAGVRAsDLEDEESAAR	1	2	2	1	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S16(100)]	S16(Phospho): 100	S(2): 0.0; S(4): 0.0; S(16): 100.0; S(23): 0.0	DGAGVRAsDLEDEES	S16;	High	2974.274842					1	1	42.02	High	0.4762	5.890241146	High	0.2258	Yes
NP_659492.1	147339	21450814	C18orf25	uncharacterized protein C18orf25 isoform a [Homo sapiens]	S145	1.84	0.85	SRsESETSTMAAK	1	2	10	1	2ﾂTMT6plex [N-Term; K13]; 1ﾂOxidation [M10(100)]; 1ﾂPhospho [S3(98.7)]	S3(Phospho): 99.97; M10(Oxidation): 100	S(1): 0.0; S(3): 100.0; S(5): 0.0; T(7): 0.0; S(8): 0.0; T(9): 0.0	RKSRRSRsESETSTM	S3;	High	1938.924394	8.34	10.71	27	15.8	3	3	41.98	High	0.0476	5.348214149	High	0.0355	Yes
NP_055606.1	9833	7661974	MELK	maternal embryonic leucine zipper kinase isoform 1 [Homo sapiens]	S356	0.41	1.09	SNNWsLEDVTASDK	1	8	4	0	2ﾂTMT6plex [N-Term; K14]; 1ﾂPhospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; S(5): 100.0; T(10): 0.0; S(12): 0.0	DIKSNNWsLEDVTAS	S5;	High	2104.000001	28.11	3.41	16.5	5.2	2	2	41.97	High	0.1667	3.03426671	High	0.1023	Yes
NP_001135452.1	7158	213972636	TP53BP1	tumor suppressor p53-binding protein 1 isoform 1 [Homo sapiens]	S1033	0.85	1.2	KNGSTAVAESVAsPQK	1	3	3	1	3ﾂTMT6plex [N-Term; K16; K]; 1ﾂDeamidated [N2(100)]; 1ﾂPhospho [S13(100)]	N2(Deamidated): 100; S13(Phospho): 100	S(4): 0.0; T(5): 0.0; S(10): 0.0; S(13): 100.0	AVAESVAsPQKTMSV	S13;	High	2342.257168					1	1	41.95	High	0.2143	5.748064518	High	0.1791	No
NP_001034796.1	10807	89353281	SDCCAG3	serologically defined colon cancer antigen 3 isoform 1 [Homo sapiens]	S243	1.83	1.23	VSPAsPAGSPSADFAVHGESLGDR	1	3	2	0	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S5(100)]	S5(Phospho): 99.98	S(2): 0.0; S(5): 100.0; S(9): 0.0; S(11): 0.0; S(20): 0.0	DSRVSPAsPAGSPSA	S5;	High	2620.224191					1	1	41.92	High	0.2619	4.133638382	High	0.0896	Yes
NP_004044.3	705	51173724	BYSL	bystin [Homo sapiens]	S98	0.12	14.43	MPQDGsDDEDEEWPTLEK	1	1	5	0	2ﾂTMT6plex [N-Term; K18]; 1ﾂOxidation [M1(100)]; 1ﾂPhospho [S6(100)]	M1(Oxidation): 100; S6(Phospho): 100	S(6): 100.0; T(15): 0.0	PRMPQDGsDDEDEEW	S6;	High	2675.147195	855.1	4.96	245	133.4	2	2	41.91	High	0.8333	2.958764076	High	0.5203	Yes
NP_950245.2	387338	40316918	NSUN4	5-methylcytosine rRNA methyltransferase NSUN4 isoform a [Homo sapiens]	S206	0.69	0.65	NLAANDLsPSR	1	2	2	0	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; S(10): 0.0	NLAANDLsPSRIARL	S8;	High	1466.720189					1	1	41.91	High	0.3333	2.654391289	High	0.1774	Yes
NP_001273540.1	85021	557636683	REPS1	ralBP1-associated Eps domain-containing protein 1 isoform c [Homo sapiens]	S170	0.16	1.16	TSADAQEPASPVVSPQQsPPTSPHTWR	1	4	3	0	1ﾂTMT6plex [N-Term]; 2ﾂPhospho [S18(97.9); S/T]	S18(Phospho): 97.93; T21(Phospho): 49.48; S22(Phospho): 49.5	T(1): 0.0; S(2): 0.0; S(10): 0.0; S(14): 2.1; S(18): 97.9; T(21): 49.5; S(22): 49.5; T(25): 1.1	PVVSPQQsPPTSPHT	S18;	High	3247.465968					1	1	41.9	High	0.1429	3.148949146	High	0.0444	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5752; S5763	0.59	0.88	ASLGsLEGEAEAEASsPK	1	1	4	0	2ﾂTMT6plex [N-Term; K18]; 2ﾂPhospho [S5(98.5); S16(98.5)]	S5(Phospho): 98.46; S16(Phospho): 98.46	S(2): 1.5; S(5): 98.5; S(15): 1.5; S(16): 98.5	SSKASLGsLEGEAEA;EAEAEASsPKGKFSL	S5; S16;	High	2351.08209					1	1	41.85	High	0.0238	4.224379539	High	0.5142	Yes;Yes
NP_004406.2	1832	58530840	DSP	desmoplakin isoform I [Homo sapiens]	S2825	0.58	0.22	GLPSPYNMSSAPGsR	1	2	4	0	1ﾂTMT6plex [N-Term]; 1ﾂOxidation [M8(100)]; 1ﾂPhospho [S14(100)]	M8(Oxidation): 100; S14(Phospho): 100	S(4): 0.0; Y(6): 0.0; S(9): 0.0; S(10): 0.0; S(14): 100.0	NMSSAPGsRSGSRSG	S14;	High	1845.840381					1	1	41.85	High	0.2381	3.551069021	High	0.2704	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5867	1.08	3.53	LSSSSsNDSGNK	1	1	8	0	2ﾂTMT6plex [N-Term; K12]; 1ﾂPhospho [S6(100)]	S6(Phospho): 100	S(2): 0.0; S(3): 0.0; S(4): 0.0; S(5): 0.0; S(6): 100.0; S(9): 0.0	SRLSSSSsNDSGNKV	S6;	High	1720.815495	9.16	3.21	17.3	19.8	3	3	41.82	High	0.0238	3.995643139	High	0.0225	Yes
NP_937879.1	9826	38026934	ARHGEF11	rho guanine nucleotide exchange factor 11 isoform 2 [Homo sapiens]	T708	0.86	0.55	SLENPtPPFTPK	1	2	3	0	2ﾂTMT6plex [N-Term; K12]; 1ﾂPhospho [T6(100)]	T6(Phospho): 100	S(1): 0.0; T(6): 100.0; T(10): 0.0	TRSLENPtPPFTPKM	T6;	High	1865.981438					1	1	41.79	High	0.381	3.326015711	High	0.2883	No
NP_002366.2	4134	47519639	MAP4	microtubule-associated protein 4 isoform 1 [Homo sapiens]	S280	2.19	0.64	DMEsPTKLDVTLAK	1	2	4	1	3ﾂTMT6plex [N-Term; K7; K14]; 1ﾂOxidation [M2(100)]; 1ﾂPhospho [S4(100)]	M2(Oxidation): 100; S4(Phospho): 100	S(4): 100.0; T(6): 0.0; T(11): 0.0	ALAKDMEsPTKLDVT	S4;	High	2331.248577	1.73	8.73	6.6	9.7	3	3	41.75	High	0.3333	4.877111912	High	0.0758	Yes
NP_056121.2	23358	260064009	USP24	ubiquitin carboxyl-terminal hydrolase 24 [Homo sapiens]	S2047	0.32	1.03	VSDQNsPVLPK	1	1	7	0	2ﾂTMT6plex [N-Term; K11]; 1ﾂDeamidated [Q4(100)]; 1ﾂPhospho [S6(100)]	Q4(Deamidated): 99.31; S6(Phospho): 100	S(2): 0.0; S(6): 100.0	QRVSDQNsPVLPKKS	S6;	High	1722.907939	97.37	12.63	58	22.8	3	3	41.68	High	0.2619	3.521984816	High	0.0284	Yes
NP_203744.1	85377	31324577	MICALL1	MICAL-like protein 1 [Homo sapiens]	S621	0.71	1.63	SPVPSPGSSsPQLQVK	1	1	7	0	2ﾂTMT6plex [N-Term; K16]; 1ﾂPhospho [S10(100)]	S10(Phospho): 99.99	S(1): 0.0; S(5): 0.0; S(8): 0.0; S(9): 0.0; S(10): 100.0	VPSPGSSsPQLQVKS	S10;	High	2133.135706	3.53	0.13	4.3	0.4	3	3	41.67	High	0.0952	3.869612932	High	0.0568	Yes
NP_005474.2	10036	50513245	CHAF1A	chromatin assembly factor 1 subunit A [Homo sapiens]	S772	0.92	0.63	GLLSNHTGsPR	1	1	2	0	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S9(98.8)]	S9(Phospho): 98.84	S(4): 0.0; T(7): 1.2; S(9): 98.8	LLSNHTGsPRSPSTT	S9;	High	1447.725609					1	1	41.66	High	0.1667	3.286806107	High	0.1094	Yes
NP_003617.1	8500	4505983	PPFIA1	liprin-alpha-1 isoform b [Homo sapiens]	S239	1.29	0.92	SsDGSLSHEEDLAK	1	2	9	0	2ﾂTMT6plex [N-Term; K14]; 1ﾂPhospho [S2(98.7)]	S2(Phospho): 98.68	S(1): 1.3; S(2): 98.7; S(5): 0.0; S(7): 0.0	STSGKRSsDGSLSHE	S2;	High	2012.957802					1	1	41.64	High	0.9286	4.314744949	High	0.0232	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S994	0.92	1.37	QSHSGSIsPYPK	1	1	2	0	2ﾂTMT6plex [N-Term; K12]; 1ﾂDeamidated [Q1(100)]; 1ﾂPhospho [S8(100)]	Q1(Deamidated): 100; S8(Phospho): 99.99	S(2): 0.0; S(4): 0.0; S(6): 0.0; S(8): 100.0; Y(10): 0.0	QSHSGSIsPYPKVKA	S8;	High	1826.909002					1	1	41.62	High	0.3571	5.569386482	High	0.1311	Yes
NP_003740.2	8660	38683860	IRS2	insulin receptor substrate 2 [Homo sapiens]	S679	1.88	0.62	SDDYMPMsPASVSAPK	1	1	3	0	2ﾂTMT6plex [N-Term; K16]; 2ﾂOxidation [M5(100); M7(100)]; 1ﾂPhospho [S8(100)]	M5(Oxidation): 100; M7(Oxidation): 100; S8(Phospho): 100	S(1): 0.0; Y(4): 0.0; S(8): 100.0; S(11): 0.0; S(13): 0.0	SDDYMPMsPASVSAP	S8;	High	2253.022059					1	1	41.61	High	0.5238	3.943670988	High	0.2234	Yes
NP_361013.3	7798	216548085	LUZP1	leucine zipper protein 1 [Homo sapiens]	S957	0.59	0.64	NVESTNSNAYTQRSsTDFSELEQPR	1	1	3	1	1ﾂTMT6plex [N-Term]; 1ﾂPhospho [S15(98.4)]	S15(Phospho): 98.42	S(4): 0.0; T(5): 0.0; S(7): 0.0; Y(10): 0.0; T(11): 0.0; S(14): 1.6; S(15): 98.4; T(16): 0.0; S(19): 0.0	NAYTQRSsTDFSELE	S15;	High	3169.42726					1	1	41.6	High	0.1667	4.468073368	High	0.0268	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S389; S393	1.33	1.21	RLsPSAsPPR	1	3	16	1	1ﾂTMT6plex [N-Term]; 2ﾂPhospho [S3(100); S7(100)]	S3(Phospho): 100; S7(Phospho): 99.99	S(3): 100.0; S(5): 0.0; S(7): 100.0	PRKTRRLsPSASPPR;RRLSPSAsPPRRRHR	S3; S7;	High	1456.691211	4.54	8.13	17.1	28.3	8	8	41.59	High	0.3333	4.677745819	High	0.1774	Yes;Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of serotnin kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells.

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Thro. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_001074324.1	5829	170932514	PXN	paxillin isoform 2 [Homo sapiens]	S137	0.64	3.1	SAEPSPTVMSTsLGSNLSELDR	1	3	4	0	1?TMTfiplex [N-Term]; 1?Deamidated [N16(100)]; 1?Phospho [S12(94)]	S12(Phospho): 93.99; N16(Deamidated): 100	S(1): 0.0; S(5): 0.1; T(7): 2.0; S(10): 2.0; T(11): 2.0; S(12): 94.0; S(15): 0.0; S(18): 0.0	SPTVMSTsLGSNLSE	S12;	High	2588.20001					1	1	41.58	High	0.1905	3.134401083	High	0.1246	Yes
NP_055792.1	22985	7662238	ACIN1	apoptotic chromatin condensation inducer in the nucleus isoform 1 [Homo sapiens]	S240	1.28	0.84	AAKLsEGSQPAEEEEDQETPSR	1	3	2	1	2?TMTfiplex [N-Term; K3]; 1?Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(8): 0.0; T(19): 0.0; S(21): 0.0	QARAAKLsEGSQPAE	S5;	High	2926.371926					1	1	41.55	High	0.3333	3.875604153	High	0.0876	Yes
NP_004194.3	9088	33383241	PKMYT1	membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase isoform 1 [Homo sapiens]	T455	0.48	0.41	TVGSTsPR	1	3	2	0	1?TMTfiplex [N-Term]; 1?Phospho [T7(100)]	T7(Phospho): 99.98	T(1): 0.0; S(4): 0.0; T(5): 0.0; S(6): 0.0; T(7): 100.0	RTVGSTsPRSRCTP	T7;	High	1214.597949					1	1	41.55	High	0.2619	2.658565998	High	0.0865	Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S61; S62	0.72	0.57	QSLTHGssGYINSTGSTR	1	1	4	0	1?TMTfiplex [N-Term]; 1?Deamidated [N12(100)]; 2?Phospho [S7(100); S8(100)]	Q1(Deamidated): 100; S7(Phospho): 99.97; S8(Phospho): 100	S(2): 0.0; T(4): 0.0; S(7): 100.0; S(8): 100.0; Y(10): 0.0; S(13): 0.0; T(14): 0.0; S(16): 0.0; T(17): 0.0	KQSLTHGssGYINSTQSL	S7; S8;	High	2242.958003	50.68	20.22	54.8	16.4	2	2	41.54	High	0.619	5.046339035	High	0.2317	Yes;Yes
NP_004272.2	9531	14043024	BAG3	BAG family molecular chaperone regulator 3 [Homo sapiens]	S275; S279	0.63	0.51	SSVQGAsREGsPAR	1	1	4	1	1?TMTfiplex [N-Term]; 2?Phospho [S8(99); S12(100)]	S8(Phospho): 98.96; S12(Phospho): 100	S(1): 0.0; S(2): 0.0; S(7): 1.0; S(8): 99.0; S(12): 100.0	SSVQGAsREGSPARGA SSREGsPARSSTP	S8; S12;	High	1864.815302	8.68	4.71	7.7	3.4	2	2	41.54	High	0.0476	3.872576475	High	0.2274	Yes;Yes
NP_783863.4	91010	119120874	FMNL3	formin-like protein 3 isoform 1 [Homo sapiens]	S174	0.66	1.77	SWSRsIEDLQPPSALSAPFNSLAR	1	1	6	1	1?TMTfiplex [N-Term]; 1?Phospho [S5(96.9)]	S5(Phospho): 96.91	S(1): 1.6; S(3): 1.6; S(5): 96.9; S(13): 0.0; S(16): 0.0; T(20): 0.0; S(22): 0.0	KLRSWSRsIEDLQPP	S5;	High	3039.513831					1	1	41.51	High	0.6667	4.481324196	High	0.0022	Yes
NP_055446.2	9644	55749544	SH3PXD2A	SH3 and PX domain-containing protein 2A [Homo sapiens]	S974	1.11	0.63	RNEsLTATDGLR	1	1	4	1	1?TMTfiplex [N-Term]; 1?Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(6): 0.0; T(8): 0.0	CALRRNEsLTATDGL	S4;	High	1641.81588	41.06	77.93	71.9	78.3	2	2	41.5	High	0.619	3.869123936	High	0.2274	No
NP_006232.1	5504	5453946	PPP1R2	protein phosphatase inhibitor 2 isoform 2 [Homo sapiens]	S121; S122	1.7	0.38	IQEQEssGEEDSDLSPEERE K	1	2	2	1	2?TMTfiplex [N-Term; K21]; 2?Phospho [S6(100); S7(100)]	S6(Phospho): 100; S7(Phospho): 100	S(6): 100.0; S(7): 100.0; S(12): 0.0; S(15): 0.0	YRIQEQEsGEEDSDLRKQ EQEsGEEDSDL	S6; S7;	High	3039.312102					1	1	41.45	High	0.3415	3.222122908	High	0.205	Yes;Yes
NP_942559.1	166336	38524620	PRICKLE2	prickle-like protein 2 [Homo sapiens]	S695	0.8	0.75	SRsDNALHLASER	1	1	4	1	1?TMTfiplex [N-Term]; 1?Phospho [S3(98.5)]	S3(Phospho): 98.88	S(1): 1.1; S(3): 98.9; S(11): 0.0	RRSRRSRsDNALHLA	S3;	High	1764.859142					1	1	41.44	High	0.9268	5.05546999	High	0.0375	Yes
NP_001511.2	2975	101943240	GTF3C1	general transcription factor 3C polypeptide 1 isoform 1 [Homo sapiens]	S1068	0.95	1.45	NSSTDQGsDEEGSLQK	1	2	2	0	2?TMTfiplex [N-Term; K16]; 1?Phospho [S8(100)]	S8(Phospho): 100	S(2): 0.0; S(3): 0.0; T(4): 0.0; S(8): 100.0; S(13): 0.0	NSSTDQGsDEEGSLQ	S8;	High	2220.006937					1	1	41.44	High	0.561	3.414145947	High	0.2551	Yes
NP_203751.2	85462	145309324	FHDC1	FH2 domain-containing protein 1 [Homo sapiens]	S949	0.67	3.81	RAsTGAEEQR	1	1	3	1	1?TMTfiplex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 99.98	S(3): 100.0; T(4): 0.0	QNSVRRAsTGAEEQR	S3;	High	1413.668488					1	1	41.43	High	0.3902	3.237360954	High	0.1049	Yes
NP_149103.1	88745	24308350	RRP36	ribosomal RNA processing protein 36 homolog [Homo sapiens]	S73	2.1	1.23	QLVAGNsPK	1	1	3	0	2?TMTfiplex [N-Term; K9]; 1?Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	KQLVAGNsPKKQASR	S7;	High	1451.802351	3.2	5.15	9.5	9	2	2	41.42	High	0.8293	3.86915803	High	0.5271	Yes
NP_055082.1	10944	7657234	C11orf58	small acidic protein [Homo sapiens]	S17	1.3	0.81	SAsPDDDLGSSNWEAADLGNEER	1	1	5	0	1?TMTfiplex [N-Term]; 2?Deamidated [N12(100); N20(100)]; 1?Phospho [S3(96.7)]	S3(Phospho): 98.33; N12(Deamidated): 100; N20(Deamidated): 100	S(1): 1.7; S(3): 98.3; S(10): 0.0; S(11): 0.0	HGVRRSAsPDDDLGS	S3;	High	2746.120239					1	1	41.4	High	0.0488	3.629596949	High	0.0689	Yes
NP_002215.2	3710	153945846	ITPR3	inositol 1,4,5-trisphosphate receptor type 3 [Homo sapiens]	S1832	1.06	0.92	VAsFSIPGSSSR	1	1	4	0	1?TMTfiplex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; S(9): 0.0; S(10): 0.0; S(11): 0.0	TTKGRVAsFSIPGSS	S3;	High	1503.74059	2.81	2.91	4.2	3.8	2	2	41.4	High	0.3902	3.060118914	High	0.2418	Yes
NP_976225.1	9406	42741684	ZRANB2	zinc finger Ran-binding domain-containing protein 2 isoform 1 [Homo sapiens]	S153	1.2	4.17	EVEDKEsEGEEEDEDEDLSK	1	2	4	1	3?TMTfiplex [N-Term; K5; K20]; 1?Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; S(19): 0.0	KEVEDKEsEGEEEDE	S7;	High	3107.392001	7.97	1.3	13.6	7.7	2	2	41.39	High	0.9512	5.106163979	High	0.6223	Yes
NP_002304.3	3983	51173711	ABLIM1	actin-binding LIM protein 1 isoform a [Homo sapiens]	S431	1.02	0.99	TLaPTPSAEGYQDVR	1	4	2	0	1?TMTfiplex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; T(5): 0.0; S(7): 0.0; Y(11): 0.0	GESPRTLaPTPSAEG	S3;	High	1929.915654					1	1	41.39	High	0.2683	3.612927675	High	0.0886	Yes
NP_001106983.1	8874	166064034	ARHGEF7	rho guanine nucleotide exchange factor 7 isoform c [Homo sapiens]	S518	0.83	0.65	MsGFIYQGK	1	6	6	0	2?TMTfiplex [N-Term; K9]; 1?Oxidation [M1(100)]; 1?Phospho [S2(100)]	M1(Oxidation): 100; S2(Phospho): 100	S(2): 100.0; Y(6): 0.0	LSASPRMsGFIYQGK	S2;	High	1584.789738	14.62	20.28	21.3	18.9	3	2	41.39	High	0.9268	3.517182589	High	0.4261	Yes
NP_036222.3	23499	33188445	MACF1	microtubule-actin cross-linking factor 1 [Homo sapiens]	S1376	1.19		MLsSSDAITQEFMDLR	1	1	3	0	1?TMTfiplex [N-Term]; 2?Oxidation [M1(100); M13(100)]; 1?Phospho [S3(97.9)]	M1(Oxidation): 100; S3(Phospho): 97.91; M13(Oxidation): 100	S(3): 97.9; S(4): 2.1; S(5): 0.0; T(9): 0.0	GKRRRMLsSSDAITQ	S3;	High	2184.975554					1		41.38	High	0.0976	3.659723997	High	0.0383	Yes
NP_002618.1	5214	11321601	PFKP	ATP-dependent 6-phosphofructokinase, platelet type isoform 1 [Homo sapiens]	S386	1.05	2.78	sFAGNLNTYK	1	2	2	0	2?TMTfiplex [N-Term; K10]; 1?Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(8): 0.0; Y(9): 0.0	AVRLRGIsFAGNLNT	S1;	High	1652.844944					1	1	41.38	High	1	3.211654186	High	0.6698	Yes
NP_005553.2	3918	157419138	LAMC2	laminin subunit gamma-2 isoform a precursor [Homo sapiens]	S999	0.28	0.17	ALGsAAADAQR	1	2	2	0	1?TMTfiplex [N-Term]; 1?Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	QAERAILGsAAADAQR	S4;	High	1339.65686					1	1	41.37	High	1	3.923374414	High	0.7092	No
NP_003135.2	6745	169404009	SSR1	translocon-associated protein subunit alpha isoform 1 precursor [Homo sapiens]	S268	0.46	3.59	VEMGTSSQNDVDMSWPQETLNQINKAsPR	1	2	5	1	2?TMTfiplex [N-Term; K26]; 2?Oxidation [M3(100); M13(100)]; 1?Phospho [S28(100)]	M3(Oxidation): 100; M13(Oxidation): 100; S28(Phospho): 99.83	T(5): 0.0; S(6): 0.0; S(7): 0.0; S(14): 0.0; T(20): 0.2; S(28): 99.8	LNQINKAsPRRLPRK	S28;	High	3945.876403	62.77	2.31	42.5	11.7	2	2	41.36	High	0.0488	7.930987358	High	0.1627	Yes
NP_112604.2	3183	117189975	HNRNPC	heterogeneous nuclear ribonucleoprotein C1/C2 isoform a [Homo sapiens]	S233	1.35	1.54	NDKsEEEQSSSSVK	1	2	8	1	3?TMTfiplex [N-Term; K3; K14]; 1?Phospho [S12(99)]	S4(Phospho): 100	S(4): 100.0; S(9): 0.0; S(10): 0.0; S(11): 0.0; S(12): 0.0	VEMKNDKsEEEQSSS	S4;	High	2321.147677	12.4	33.04	24.1	82.4	2	2	41.31	High	0.878	4.572073936	High	0.337	Yes
NP_003147.2	6786	21070997	STIM1	stromal interaction molecule 1 isoform 2 precursor [Homo sapiens]	S257	0.95	0.74	AEQsLHDLQER	1	3	2	0	1?TMTfiplex [N-Term]; 1?Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	GLHRAEQsLHDLQER	S4;	High	1634.773681					1	1	41.31	High	1	4.202996254	High	0.569	Yes
NP_001278798.1	10644	631226390	IGF2BP2	insulin-like growth factor 2 mRNA-binding protein 2 isoform c [Homo sapiens]	S170	0.61	2	ISYIPDEEVSSPsPPQR	1	7	10	0	1?TMTfiplex [N-Term]; 1?Phospho [S13(100)]	S13(Phospho): 100	S(2): 0.0; Y(3): 0.0; S(10): 0.0; S(13): 100.0	DEEVSSPsPPQRAQR	S13;	High	2210.057961	26.09	4.3	27.9	15	3	3	41.3	High	0.1707	3.899932623	High	0.1333	No
NP_055971.2	23186	344925845	RCOR1	REST corepressor 1 [Homo sapiens]	S260	0.74	1.59	EREEsEDELEEANGNNPIEVDQNK	1	1	2	1	2?TMTfiplex [N-Term; K26]; 1?Deamidated [N13(100)]; 1?Phospho [S5(100)]	S5(Phospho): 100; N13(Deamidated): 99.98	S(5): 100.0	QKREREEsEDELEEA	S5;	High	3554.605963					1	1	41.3	High	0.1951	3.096773863	High	0.0839	No
NP_001070675.1	22872	116256338	SEC31A	protein transport protein Sec31A isoform 1 [Homo sapiens]	S799	1.8	1.12	AQGEPVAGHEsPKIPYEK	1	7	2	1	3?TMTfiplex [N-Term; K13; K18]; 1?Deamidated [Q2(100)]; 1?Phospho [S14(100)]	Q2(Deamidated): 100; S11(Phospho): 100	S(11): 100.0; Y(16): 0.0	EPVAGHEsPKIPYEK	S11;	High	2705.415459					1	1	41.29	High	0.2683	7.149766922	High	0.228	Yes
NP_001074324.1	5829	170932514	PXN	paxillin isoform 2 [Homo sapiens]	Y88	0.49	1.27	FIHQQPQSSSPVyGSSAK	1	3	2	0	2?TMTfiplex [N-Term; K18]; 1?Deamidated [Q7(100)]; 1?Phospho [Y13(100)]	Q7(Deamidated): 100; Y13(Phospho): 99.99	S(8): 0.0; S(9): 0.0; S(10): 0.0; Q7(Deamidated): 100; Y13(Phospho): 99.99 S(15): 0.0; S(16): 0.0	PQSSSPVyGSSAKTS	Y13;	High	2487.232126					1	1	41.29	High	0.0976	4.112718105	High	0.073	Yes
NP_872363.1	283149	32698936	BCL9L	B-cell CLL/lymphoma 9-like protein [Homo sapiens]	S21	1.62	1.51	EAPGsPPLSPR	1	1	6	0	1?TMTfiplex [N-Term]; 1?Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(9): 0.0	RRREAPGsPPLSPRG	S5;	High	1416.708562	1.95	6.11	5.5	16	3	3	41.29	High	0.5366	3.399208307	High	0.1088	Yes
NP_065778.3	49854	50345873	ZBTB21	zinc finger and BTB domain-containing protein 21 isoform 1, [Homo sapiens]	S714	1.25	1.17	EHAPLAsPVENK	1	1	2	0	2?TMTfiplex [N-Term; K12]; 1?Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	KEHAPLAsPVENKEV	S7;	High	1829.956286					1	1	41.28	High	1	4.794222832	High	0.6806	Yes
NP_006087.2	10397	37655183	NDRG1	protein NDRG1 isoform 1 [Homo sapiens]	T366	0.45	0.49	SHSEGAHLDITPNSGAAGNSAGPK	1	3	3	0	2?TMTfiplex [N-Term; K25]; 1?Deamidated [N20(100)]; 1?Phospho [T3(97.3)]	T3(Phospho): 97.32; N20(Deamidated): 100	S(1): 1.3; T(3): 97.3; S(4): 1.3; T(12): 0.0; S(15): 0.0; S(21): 0.0	GTRSRSHsEGAHLD	T3;	High	2915.393665					1	1	41.28	High	0.1463	3.791733027	High	0.0237	Yes
NP_036440.1	22992	16306580	KDM2A	lysine-specific demethylase 2A isoform a [Homo sapiens]	S558	2.73	1.41	LTPVRPAAAsPVSGAR	1	2	2	0	2?TMTfiplex [N-Term]; 1?Phospho [S10(100)]	S10(Phospho): 100	T(2): 0.0; S(10): 100.0; S(14): 0.0	PVRPAAAsPVSGAR	S10;	High	1972.094227					1	1	41.28	High	0.6098	3.675599337	High	0.1168	Yes
NP_004095.4	2194	41872631	FASN	fatty acid synthase [Homo sapiens]	T2204		3.76	ADEASELACPtPK	1	1	2	0	2?TMTfiplex [N-Term; K13]; 1?Carbamidomethyl [C9]; 1?Phospho [T11(100)]	T11(Phospho): 100	S(5): 0.0; T(11): 100.0	ASELACPtPKEDGLA	T11;	High	1926.928416					1	1	41.27	High	0.8293	3.716880083	High	0.5054	Yes
NP_001291744.1	23152	756140883	CIC	protein capicua homolog isoform CIC-L [Homo sapiens]	S1813	1.02	1.18	AQSVsPVQAPPPGGSAQLLPGK	1	2	2	0	2?TMTfiplex [N-Term; K22]; 1?Phospho [S5(100)]	S5(Phospho): 100	S(3): 0.0; S(5): 100.0; S(15): 0.0	PPKAQSVsPVQAPPP	S5;	High	2624.421324					1	1	41.25	High	0.2683	3.822964668	High	0.0969	No
NP_060731.2	55763	30410720	EXOC1	exocyst complex component 1 isoform 1 [Homo sapiens]	S470	0.72	0.68	LTGsTSSLNK	1	2	7	0	2?TMTfiplex [N-Term; K10]; 1?Phospho [S4(100)]	S4(Phospho): 99.99	T(2): 0.0; S(4): 100.0; T(5): 0.0; S(6): 0.0; S(7): 0.0	SSGKLTGsTSSLNKL	S4;	High	1545.82896					1	1	41.24	High	0.3415	3.485714436	High	0.1032	Yes
NP_115796.2	5097	27754773	PCDH1	protocadherin-1 isoform 2 precursor [Homo sapiens]	S984	1.17	0.97	SNSPLPSIQLQPQsPASK	1	4	3	0	2?TMTfiplex [N-Term; K19]; 1?Phospho [S14(98.4)]	S14(Phospho): 98.4	S(1): 0.0; S(3): 0.0; S(7): 0.0; S(14): 98.4; S(16): 1.6; S(18): 0.0	SIQLQPQsPASKKH	S14;	High	2504.31619					1	1	41.23	High	0.2927	5.282101631	High	0.036	Yes
NP_001099008.1	10514	157694494	MYBBP1A	myb-binding protein 1A isoform 1 [Homo sapiens]	S1163	0.7	0.68	EIPSATQsPISK	1	2	2	0	2?TMTfiplex [N-Term; K12]; 1?Deamidated [Q7(100)]; 1?Phospho [S8(100)]	Q7(Deamidated): 100; S8(Phospho): 100	S(4): 0.0; T(6): 0.0; S(8): 100.0; S(11): 0.0	EIPSATQsPISKKRK	S8;	High	1796.944718					1	1	41.23	High	0.439	3.548683405	High	0.2507	Yes
NP_001127910.1	90102	197313730	PHLDB2	pleckstrin homology-like domain family B member 2 isoform a [Homo sapiens]	T404	1.28	1.91	QASGsPQPALR	1	3	4	0	1?TMTfiplex [N-Term]; 1?Phospho [T5(100)]	T5(Phospho): 100	S(3): 0.0; T(5): 100.0	SLRQASGsPQPALRE	T5;	High	1434.73036	15.25	17.44	28.2	49.8	2	2	41.23	High	0.4634	3.428477287	High	0.2624	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S983	0.42	1.14	SFGTRPLsSGFSPEEAQQQ DEEFEK	1	1	11	0	2?TMTfiplex [N-Term; K25]; 1?Phospho [S8(98.4)]	S8(Phospho): 98.42	S(1): 0.0; T(4): 0.0; S(8): 98.4; S(9): 1.6; S(12): 0.0	SFGTRPLsSGFSPEE	S8;	High	3368.572417	12.35	12.58	7.4	20.5	2	2	41.21	High	0.0976	5.599319935	High	0.0357	Yes
NP_005598.3	5747	27886593	PTK2	focal adhesion kinase 1 isoform b [Homo sapiens]	S932	1.85	1.86	LQPQEsPPPTANLDR	1	3	3	0	1?TMTfiplex [N-Term]; 1?Deamidated [Q3N]; 1?Phospho [S7(100)]	Q2(Deamidated): 50; Q4(Deamidated): 50; S7(Phospho): 100	S(7): 100.0; T(11): 0.0	KLQPQEsPPPTANL	S7;	High	2086.041917					1	1	41.21	High	0.0732	3.330579758	High	0.018	No
NP_079440.3	23387	528524618	SIK3	serine/threonine-protein kinase SIK3 isoform 1 [Homo sapiens]	S866	2.16	1.5	QLsADSAEAHSLNVNR	1	1	2	0	1?TMTfiplex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; S(11): 0.0	RPLSKQLsADSAEAH	S3;	High	2020.965063					1	1	41.2	High	0.2683	5.680539131	High	0.0863	Yes
NP_001181875.1	1981	302699245	EIF4G1	eukaryotic translation initiation factor 4 gamma 1 isoform 6 [Homo sapiens]	S1238	0.72	1.33	EAALPPVsPLK	1	7	9	0	2?TMTfiplex [N-Term; K11]; 1?Phospho [S8(100)]	S8(Phospho): 100	S(8): 100.0	EAALPPVsPLKAALS	S8;	High	1659.948681	4.07	5.12	5.9	13.7	4	4	41.19	High	0.9756	4.127628803	High	0.6973	No
NP_004318.3	613	82546843	BCR	breakpoint cluster region protein isoform 1 [Homo sapiens]	S459	1.57	0.63	HQDGLPYIDDsPSSSPHLSSK	1	2	4	0	2?TMTfiplex [N-Term; K21]; 1?Phospho [S11(100)]	S11(Phospho): 100	Y(7): 0.0; S(11): 100.0; S(13): 0.0; S(14): 0.0; S(15): 0.0; S(19): 0.0; S(20): 0.0	GLPYIDDsPSSSPHL	S11;	High	2805.349675	5.11	3.21	11.4	2.9	2	2	41.18	High	0.3659	5.193421841	High	0.0559	Yes
NP_001124735.1	6188	386869503	RPS3	40S ribosomal protein S3 isoform 2 [Homo sapiens]	T237	0.89	1.26	DEILPTtPSEQK	1	3	6	0	2?TMTfiplex [N-Term; K13]; 1?Deamidated [Q12(100)]; 1?Phospho [T7(100)]	T7(Phospho): 100; Q12(Deamidated): 100	T(6): 0.0; T(7): 100.0; S(10): 0.0	KDEILPTtPSEQKG	T7;	High	2010.044826	1.78	3.14	2.3	5.6	2	2	41.18	High	0.1707	4.06373167	High	0.0567	No
NP_065197.1	57224	254692997	NHSL1	NHS-like protein 1 isoform 1 [Homo sapiens]	S328	0.67	1.62	LDSDAGFHsLPR	1	2	2	0	1?TMTfiplex [N-Term]; 1?Phospho [S9(100)]	S9(Phospho): 100	S(3): 0.0; S(9): 100.0	DSDAGFHsLPRSGAR	S9;	High	1623.772953					1	1	41.18	High	0.8293	3.826844931	High	0.624	Yes
NP_689876.2	55103	32441283	RALGPS2	ras-specific guanine nucleotide-releasing factor RalGPS2 isoform 1 [Homo sapiens]	S329	0.65	1.17	SVAAEGALLPQTPPsPR	1	2	3	0	1?TMTfiplex [N-Term]; 1?Deamidated [Q11(100)]; 1?Phospho [S15(100)]	Q11(Deamidated): 100; S15(Phospho): 99.97	S(1): 0.0; T(12): 0.0; S(15): 100.0	LLPQTPPsPRNLIPH	S15;	High	2001.025539					1	1	41.16	High	0.0488	4.409777164	High	0.1837	Yes
NP_653173.1	23102	194018478	TBC1D2B	TBC1 domain family member 2B isoform a [Homo sapiens]	S473	0.84	0.85	LSEGEGNGPPPTVAPSsPSVVPVAR	1	2	5	0	1?TMTfiplex [N-Term]; 1?Phospho [S17(96.3)]	S17(Phospho): 96.31	S(2): 0.0; T(12): 0.0; S(16): 1.8; S(17): 96.3; S(19): 1.8	PPTVAPSsPSVVPVA	S17;	High	2710.365041					1	1	41.16	High	0.0488	3.59098506	High	0.0529	Yes
NP_817092.1	5496	29826282	PPM1G	protein phosphatase 1G [Homo sapiens]	S201	2.38	1.8	ETPsQENGPTAK	1	1	2	0	2?TMTfiplex [N-Term; K12]; 1?Deamidated [N7(100)]; 1?Phospho [S4(99.1)]	S4(Phospho): 99.06; N7(Deamidated): 100	T(2): 0.9; S(4): 99.1; T(10): 0.0	DSTRETPsQENGPTA	S4;	High	1797.867196					1	1	41.15	High	0.0976	3.383471251	High	0.0888	Yes
NP_001518.3	3066	293336691	HDAC2	histone deacetylase 2 [Homo sapiens]	S394	1.85	0.3	MLPHAPGVQMQAIPEDAVHEDsGDEDGEDPDKR	1	1	4	1	2?TMTfiplex [N-Term; K32]; 2?Oxidation [M1(100); M10(100)]; 1?Phospho [S22(100)]	M1(Oxidation): 100; M10(Oxidation): 100; S22(Phospho): 100	S(22): 100.0	EDAVHEDsGDEDGED	S22;	High	4155.867689	9.39	5.19	25	2.2	2	2	41.14	High	0.9512	6.09153986	High	0.7734	Yes
NP_002788.1	5693	4506201	PSMB5	proteasome subunit beta type-5 isoform 1 [Homo sapiens]	T262	0.89	1.35	VSSDNVADLHEKYSGSiP	1	2	6	1	2?TMTfiplex [N-Term; K12]; 1?Phospho [T17(98)]	T17(Phospho): 98.03	S(2): 0.0; S(3): 0.0; T(13): 0.0; S(14): 0.0; S(16): 1.9; T(17): 98.0	HEKYSGSiP_	T17;	High	2444.174671					1	1	41.14	High	0.9756	3.260959429	High	0.0092	Yes
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S75	0.16	0.07	RIsSTSGGSFR	1	1	4	1	1?TMTfiplex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; T(6): 0.0; S(7): 0.0; S(10): 0.0	LGGSKRIsSTSGGS	S3;	High	1576.804587					1	1	41.12	High	0.4146	5.060246468	High	0.1502	No
NP_659434.2	201163	22907034	FLCN	folliculin isoform 1 [Homo sapiens]	S62	0.83	0.79	AHsPAEGASVESSSPGPK	1	2	2	0	2?TMTfiplex [N-Term; K18]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(9): 0.0; S(12): 0.0; S(13): 0.0; S(14): 0.0	NSRMRAHsPAEGASV	S3;	High	2233.090213					1	1	41.11	High	0.3902	6.483667374	High	0.3673	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells.

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlanEvidence
NP_066267.2	288	32967601	ANK3	ankyrin-3 isoform 1 [Homo sapiens]	S847	1.05	0.82	MNVPETMNEVLDMsDDEVR	1	3	2	0	1?TMTf6plex [N-Term]; 3?Oxidation [M1(100); M7(100); M13(100)]; 1?Phospho [S14(100)]	M1(Oxidation): 100; M7(Oxidation): 100; M13(Oxidation): 100; S14(Phospho): 100	T(6): 0.0; S(14): 100.0	MNEVLDMsDDEVRKA	S14;	High	2581.070653					1	1	41.1	High	0.8293	4.518663406	High	0.4226	Yes
NP_056130.2	23367	39725634	LARP1	la-related protein 1 [Homo sapiens]	T572	0.87	0.45	ILIVTQsPHYMR	1	1	2	0	1?TMTf6plex [N-Term]; 1?Oxidation [M1(100)]; 1?Phospho [T7(100)]	T7(Phospho): 100; M11(Oxidation): 100	T(5): 0.0; T(7): 100.0; Y(10): 0.0	KILIVTQsPHYMRRH	T7;	High	1796.933159					1	1	41.1	High	0.4146	3.562376499	High	0.236	No
NP_001231931.1	4782	350529396	NFIC	nuclear factor 1 C-type isoform 1 [Homo sapiens]	S194	0.55	0.95	DAEQSGsPR	1	5	2	0	1?TMTf6plex [N-Term]; 1?Deamidated [Q(4)(100)]; 1?Phospho [S7(99.3)]	Q(4)(Deamidated): 100; S7(Phospho): 99.3	S(5): 0.7; S(7): 99.3	RDAEQSGsPRTGMCGS	S7;	High	1256.535743					1	1	41.1	High	0.122	2.985307932	High	0.1505	Yes
NP_758869.1	4179	27502423	CD46	membrane cofactor protein isoform 2 precursor [Homo sapiens]	Y384	2.13	1.78	ADGGAEyATYQTK	1	4	2	0	2?TMTf6plex [N-Term; K13]; 1?Phospho [Y7(100)]	Y7(Phospho): 100	Y(7): 100.0; T(9): 0.0; Y(10): 0.0; T(12): 0.0	KADGGAEyATYQTKS	Y7;	High	1912.909395					1	1	41.09	High	0.4878	3.093772888	High	0.2945	Yes
NP_001287750.1	1975	664805999	EIF4B	eukaryotic translation initiation factor 4B isoform 1 [Homo sapiens]	S422; S424	1.89	1.24	SRTGsEsSQTGTSTTSSR	1	2	2	1	1?TMTf6plex [N-Term]; 2?Phospho [S(99.9); S(100)]	S(5)Phospho): 99.94; S(7)Phospho): 99.97	S(1): 0.0; T(3): 0.0; S(5): 99.9; S(7): 100.0; S(8): 0.0; T(10): 0.0; T(12): 0.0; S(13): 0.0; T(14): 0.0; T(15): 0.0; S(16): 0.0; S(17): 0.0	RERSRTGsESSQTGTSTRSR TGSEsSQTGTSTT	S5; S7;	High	2205.922346					1	1	41.08	High	0.2439	4.682385921	High	0.1004	Yes;Yes
NP_001288958.1	11187	732663005	PKP3	plakophilin-3 isoform PKP3b [Homo sapiens]	S329	14.27	6.69	LSsGFDDIDLPSAVK	1	2	13	0	2?TMTf6plex [N-Term; K15]; 1?Phospho [S(3)99.2)]	S3(Phospho): 99.2	S(2): 0.8; S(3): 99.2; S(12): 0.0	RTLQRLSsGFDDIDL	S3;	High	2102.082274	2.72	0.88	75.5	11.9	3	4	41.07	High	0.0732	4.610795975	High	0.0174	No
NP_079479.1	80304	13376798	C2orf44	WD repeat and coiled-coil-containing protein C2orf44 isoform 1 [Homo sapiens]	S690	1.11	1.22	DSFSHsPGAVSSLK	1	1	4	0	2?TMTf6plex [N-Term; K14]; 1?Phospho [S6(100)]	S6(Phospho): 100	S(2): 0.0; S(4): 0.0; S(6): 100.0; S(11): 0.0; S(12): 0.0	FRDSFSHsPGAVSSL	S6;	High	1956.983229					1	1	41.03	High	0.0244	4.977348328	High	0.1044	Yes
NP_620305.2	6651	520261969	SON	protein SON isoform F [Homo sapiens]	S1697		4.01	ESDQTLAALLsPK	1	3	2	0	2?TMTf6plex [N-Term; K13]; 1?Deamidated [Q(4)(100)]; 1?Phospho [S11(100)]	Q(4)(Deamidated): 100; S11(Phospho): 100	S(2): 0.0; T(5): 0.0; S(11): 100.0	QTLAALLsPKESSGG	S11;	High	1912.008047					1	1	41.03	High	0.8537	3.435012102	High	0.6221	Yes
NP_060537.3	55700	78042577	MAP7D1	MAP7 domain-containing protein 1 isoform 1 [Homo sapiens]	S452	1.38	0.9	ARLsASTASELSPK	1	3	2	1	2?TMTf6plex [N-Term; K14]; 1?Phospho [S4(98.2)]	S4(Phospho): 98.15	S(4): 98.2; S(6): 0.9; T(7): 0.9; S(9): 0.0; S(12): 0.0	ASPRARLsASTASEL	S4;	High	1956.056728					1	1	41.01	High	0.2683	3.825983524	High	0.1149	Yes
NP_001249.1	1018	4557439	CDK3	cyclin-dependent kinase 3 [Homo sapiens]	T14	0.81	0.9	IGEGYGVVYK	1	7	7	0	2?TMTf6plex [N-Term; K11]; 1?Phospho [T5(100)]	T5(Phospho): 100	T(5): 100.0; Y(6): 0.0; Y(10): 0.0	VEKGEGtYGVVYKA	T5;	High	1723.90721	3.74	12.5	5.2	19.6	3	3	41	High	0.4878	5.123560429	High	0.0352	Yes
NP_001273561.1	64062	557636651	RBM26	RNA-binding protein 26 isoform 2 [Homo sapiens]	S616	1.6	1.15	EGSTQQLQTTsPK	1	1	3	0	2?TMTf6plex [N-Term; K13]; 1?Phospho [S11(98.8)]	S11(Phospho): 98.81	S(3): 0.0; T(4): 0.0; T(9): 0.0; T(10): 1.2; S(11): 98.8	TQQLQTTsPKVMQPL	S11;	High	1942.988708	21.09	23.93	50.5	40.3	2	2	41	High	0.2439	3.903815269	High	0.0795	Yes
NP_001278893.1	4301	634743290	MLLT4	afadin isoform 4 [Homo sapiens]	S175	1.6	0.49	TkNPEVVMK	1	3	5	0	2?TMTf6plex [N-Term; K10]; 1?Oxidation [M9(100)]; 1?Phospho [S3(100)]	S3(Phospho): 100; M9(Oxidation): 100	T(1): 0.0; S(3): 100.0	TSFTRTkNPEVVMK	S3;	High	1671.879281	16.69	39.16	39	27.5	2	2	41	High	0.6341	3.715910673	High	0.0833	No
NP_001165759.1	100381270	291621630	ZBED6	zinc finger BED domain-containing protein 6 [Homo sapiens]	S381	0.75	0.6	SEsPIPVAEQGTLMR	1	1	2	0	1?TMTf6plex [N-Term]; 1?Oxidation [M14(100)]; 1?Phospho [S3(98.1)]	S3(Phospho): 98.13; M14(Oxidation): 100	S(1): 1.9; S(3): 98.1; T(12): 0.0	EVENRSEsPIPVAEQ	S3;	High	1939.93976					1	1	41	High	0.122	3.566915989	High	0.0644	No
NP_061918.3	54521	45238858	WDR44	WD repeat-containing protein 44 isoform 1 [Homo sapiens]	S561	0.37	0.8	YNTEGRVsPSPSQESLSSSK	1	3	2	1	2?TMTf6plex [N-Term; K20]; 1?Phospho [S8(100)]	S8(Phospho): 100	Y(1): 0.0; T(2): 0.0; S(8): 100.0; S(10): 0.0; S(12): 0.0; S(15): 0.0; S(17): 0.0; S(18): 0.0; S(19): 0.0	YNTEGRVsPSPSQES	S8;	High	2678.307475					1	1	41	High	0.2195	3.209483147	High	0.0748	Yes
NP_005096.1	9939	4826972	RBMBA	RNA-binding protein 8A [Homo sapiens]	S56	1.09	1.18	MREDYDsVEQDGDEPGPQR	1	1	2	1	1?TMTf6plex [N-Term]; 1?Oxidation [M1(100)]; 1?Deamidated [Q18(100)]; 1?Phospho [S7(100)]	M1(Oxidation): 100; S7(Phospho): 100; Q18(Deamidated): 100	Y(5): 0.0; S(7): 100.0	RMREDYDsVEQDGDE	S7;	High	2549.033673					1	1	40.97	High	0.3902	3.039244652	High	0.0625	Yes
NP_005766.3	10174	155030230	SORBS3	vinexin isoform 1 [Homo sapiens]	S530	0.62	1.58	LCDDGPQLPTsPR	1	2	7	0	1?TMTf6plex [N-Term]; 1?Carbamidomethyl [C2]; 1?Phospho [S11(98.8)]	S11(Phospho): 98.81	T(10): 1.2; S(11): 98.8	DGPQLPTsPRLTAAA	S11;	High	1764.818917	40.57	16.16	36.5	37.3	2	2	40.96	High	0.0732	3.759392023	High	0.0691	Yes
NP_001191354.1	108533467	324715041	BIVM-ERCC5	BIVM-ERCC5 protein [Homo sapiens]	S838	0.67	0.64	NAPAAVDEGSkPR	1	2	3	0	1?TMTf6plex [N-Term]; 1?Deamidated [N1(100)]; 1?Phospho [S12(99.2)]	N1(Deamidated): 100; S12(Phospho): 99.17	S(10): 0.8; S(12): 99.2	AVDEGSkPRTLSAI	S12;	High	1693.799562					1	1	40.96	High	0.9512	2.574227333	High	0.0934	No
NP_008835.5	5591	13654237	PRKDC	DNA-dependent protein kinase catalytic subunit isoform 1 [Homo sapiens]	S4026	0.89	0.78	KGGsWIQEINVAEK	1	2	2	1	3?TMTf6plex [N-Term; K14; K]; 1?Phospho [S4(100)]]	S4(Phospho): 100	S(4): 100.0	KMLKKGGsWIQEINV	S4;	High	2326.277509					1	1	40.95	High	0.9512	5.983687878	High	0.5719	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S983	1.28	0.91	SFGTRPLsSGFSPEEAQQQDEEPEK	1	1	9	0	2?TMTf6plex [N-Term; K25]; 1?Deamidated [Q(17)(96.6)]; 1?Phospho [S8(98.2)]	S8(Phospho): 98.23; Q17(Deamidated): 96.64	S(1): 0.0; T(4): 0.0; S(8): 98.2; S(9): 1.7; S(12): 0.0	SFGTRPLsSGFSPEE	S8;	High	3369.556433					1	1	40.94	High	0.122	4.055407524	High	0.0369	Yes
NP_892017.2	359948	116734704	IRF2BP2	interferon regulatory factor 2-binding protein 2 isoform A [Homo sapiens]	S360	1.01	1.12	KPsPEPEGEVGPPK	1	2	2	0	3?TMTf6plex [N-Term; K14; K]; 1?Phospho [S(3)100)]	S3(Phospho): 100	S(3): 100.0	TARKRKPsPEPEGEV	S3;	High	2215.197862					1	1	40.94	High	1	3.722373962	High	0.5833	Yes
NP_056130.2	23367	39725634	LARP1	la-related protein 1 [Homo sapiens]	S697	0.83	0.89	SLPTTVPEsPNYR	1	1	7	0	1?TMTf6plex [N-Term]; 1?Deamidated [N11(100)]; 1?Phospho [S9(100)]	S9(Phospho): 100; N11(Deamidated): 100	S(1): 0.0; T(4): 0.0; T(5): 0.0; S(9): 100.0; Y(12): 0.0	LPTTVPEsPNYRNTR	S9;	High	1770.851263	8.84	10.86	12.8	16.9	3	3	40.94	High	0.3415	3.165511608	High	0.2524	No
NP_001171904.1	29763	296923763	PACSIN3	protein kinase C and casein kinase substrate in neurons protein 3 [Homo sapiens]	S354	0.24	1.54	DGTAPPPQSPGSPGTGQDEEWsDEESPRK	1	1	2	1	2?TMTf6plex [N-Term; K29]; 1?Deamidated [Q(17)(100)]; 1?Phospho [S22(100)]	Q17(Deamidated): 100; S22(Phospho): 100	T(3): 0.0; S(9): 0.0; S(12): 0.0; T(15): 0.0; S(22): 100.0; S(26): 0.0	TGQDEEWsDEESPRK	S22;	High	3577.600816					1	1	40.9	High	0.5122	5.444160461	High	0.1176	Yes
NP_003579.3	8450	121114298	CUL4B	cullin-4B isoform 1 [Homo sapiens]	T49	1.13	0.53	SATDGNTSTtPPTSAK	1	2	2	0	2?TMTf6plex [N-Term; K16]; 1?Phospho [T10(100)]	T10(Phospho): 99.99	S(1): 0.0; T(3): 0.0; T(7): 0.0; S(8): 0.0; T(9): 0.0; T(10): 100.0; T(13): 0.0; S(14): 0.0	TDGNTSTtPPTSAKK	T10;	High	2074.010565					1	1	40.9	High	0.1951	3.902336121	High	0.0513	Yes
NP_001273588.1	9082	557786174	TBC1D4	TBC1 domain family member 4 isoform 3 [Homo sapiens]	S588	1.67	1.54	GRLGsVDSFER	1	3	2	1	1?TMTf6plex [N-Term]; 1?Phospho /S5(10001	S5(Phospho): 100	S(5): 100.0; S(8): 0.0	RMRGRLGsVDSFERS	S5;	High	1531.746738					1	1	40.89	High	0.8537	4.493889332	High	0.2272	Yes
NP_056127.2	84162	150378498	KIAA1109	uncharacterized protein KIAA1109 [Homo sapiens]	S2603	0.72	1.05	YTAGSAsPTPTFK	1	1	2	0	2?TMTf6plex [N-Term; K13]; 1?Phospho [S7(100)]	S7(Phospho): 99.99	Y(1): 0.0; T(2): 0.0; S(5): 0.0; S(7): 100.0; T(9): 0.0; T(11): 0.0	RYTAGSAsPTPTFKT	S7;	High	1865.945052					1	1	40.87	High	0.3415	3.222571373	High	0.0994	Yes
NP_055850.1	23051	28827782	ZHX3	zinc fingers and homeoboxes protein 3 [Homo sapiens]	S946	1.51	1.31	VPEASSEPFDTSsPQAGR	1	1	4	0	2?TMTf6plex [N-Term]; 1?Phospho [S13(98.6)]	S13(Phospho): 98.6	S(5): 0.0; S(6): 0.0; T(11): 0.0; S(13): 1.4; S(13): 98.6	SEPFDTSsPQAGRQL	S13;	High	2170.985524					1	1	40.84	High	0.1707	5.885525703	High	0.0374	Yes
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	T207; T211	1.25	0.94	WDQTADQsPGAtPK	1	1	2	0	2?TMTf6plex [N-Term; K14]; 2?Phospho [T8(100), T12(100)]	T8(Phospho): 100; T12(Phospho): 100	T(4): 0.0; T(8): 100.0; T(12): 100.0	WDQTADQsPGATPKKA DQTPGAtPKKLSSW	T8; T12;	High	2133.965938					1	1	40.83	High	0.6341	4.751420498	High	0.6274	Yes;Yes
NP_001230631.1	7541	343962587	ZBTB14	zinc finger and BTB domain-containing protein 14 [Homo sapiens]	S132	1.21	1.01	DVSsPDENNGQSK	1	1	3	0	2?TMTf6plex [N-Term; K13]; 1?Phospho [S4(98.8)]	S4(Phospho): 98.77	S(3): 1.2; S(4): 98.8; S(12): 0.0	SQKRDVSsPDENNGQ	S4;	High	1914.884637					1	1	40.81	High	0.1951	2.988108562	High	0.0435	Yes
NP_003473.3	8085	148762969	KMT2D	histone-lysine N-methyltransferase 2D [Homo sapiens]	S2274	0.84	0.66	ASEPLLsPPPFGESR	1	1	2	0	1?TMTf6plex [N-Term]; 1?Phospho [S7(100)]	S7(Phospho): 100	S(2): 0.0; S(7): 100.0; S(14): 0.0	KASEPLLsPPPFGES	S7;	High	1892.935663					1	1	40.8	High	0.7317	4.281198978	High	0.4393	Yes
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S82	0.13	0.07	ISISTSGGsFR	1	1	15	0	1?TMTf6plex [N-Term]; 1?Phospho /S9(10001	S9(Phospho): 100	S(2): 0.0; S(4): 0.0; T(5): 0.0; S(6): 0.0; S(9): 100.0	SISTSGGsFRNFGA	S9;	High	1420.703476	94.64	277.68	30.6	53	6	6	40.78	High	0.4878	4.047780097	High	0.2148	Yes
NP_001020262.1	23	69354671	ABCF1	ATP-binding cassette sub-family F member 1 isoform a [Homo sapiens]	S22	1.36	2.32	QQPPPEPEWKGDGESTsPSDK	1	2	2	0	2?TMTf6plex [N-Term; K20]; 1?Phospho [S16(100)]	S16(Phospho): 99.96	S(14): 0.0; T(15): 0.0; S(16): 100.0; S(18): 0.0	KGDGESTsPSDKVVK	S16;	High	2722.264942					1	1	40.78	High	0.2439	2.955289125	High	0.1047	Yes
NP_060282.1	54927	8923390	CHCHD3	MICOS complex subunit MIC19 [Homo sapiens]	S50	1.23	1.4	SQRYsGAYGASVSDEELK	1	1	3	1	2?TMTf6plex [N-Term; K18]; 1?Phospho [S5(100)]	S5(Phospho): 99.98	S(1): 0.0; Y(4): 0.0; S(5): 100.0; Y(8): 0.0; S(11): 0.0; S(13): 0.0	GSKSQRYsGAYGASV	S5;	High	2485.20122					1	1	40.77	High	0.0976	5.707976818	High	0.0403	Yes
NP_057541.2	25865	19923468	PRKD2	serine/threonine-protein kinase D2 isoform A [Homo sapiens]	S214	1.06		LGTSEsLPCTAEELSR	1	2	3	0	1?TMTf6plex [N-Term]; 1?Carbamidomethyl [C9]; 1?Phospho /S6(10001	S6(Phospho): 99.98	T(3): 0.0; S(4): 0.0; S(6): 100.0; T(10): 0.0; S(15): 0.0	VRLGTSEsLPCTAEE	S6;	High	2058.961618					1	1	40.77	High	0.2927	2.839782715	High	0.1585	Yes
NP_073605.4	64783	47933339	RBM15	putative RNA-binding protein 15 isoform 1 [Homo sapiens]	S294	1.19	0.92	SLsPGGAALGYR	1	2	5	0	1?TMTf6plex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; Y(11): 0.0	GGGQRSLsPGGAALG	S3;	High	1457.735111	0.34	2.88	0.6	3.8	2	2	40.76	High	0.0488	3.844110727	High	0.1302	Yes
NP_001028721.1	29086	75709194	BABAM1	BRISC and BRCA1-A complex member 1 isoform 1 [Homo sapiens]	S29	2.63	1.65	TRsNPEGAEDR	1	2	7	1	1?TMTf6plex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 99.99	T(1): 0.0; S(3): 100.0	EPRPRTRsNPEGAED	S3;	High	1540.695431	16.47	0.73	86.9	2.1	3	3	40.75	High	0.3415	4.0942106625	High	0.088	Yes
NP_982261.2	54812	50409939	AFTPH	aftiphilin isoform a [Homo sapiens]	T617	0.88	1.53	TDENDTPGsPK	1	3	3	0	2?TMTf6plex [N-Term; K12]; 1?Phospho [T10(100)]	T10(Phospho): 100	T(1): 0.0; T(7): 0.0; T(10): 100.0	ENIDTPGsPKTHSVP	T10;	High	1825.898496					1	1	40.74	High	0.5366	3.953906775	High	0.4203	Yes
NP_057479.2	51495	117168248	HACD3	very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3 [Homo sapiens]	S114	0.63	0.45	WLDEsDAEMELR	1	1	7	0	1?TMTf6plex [N-Term]; 1?Oxidation [M9(100)]; 1?Phospho /S5(100)	S5(Phospho): 100, M9(Oxidation): 100	S(5): 100.0	ENIDTPGsDAEMELR	S5;	High	1818.781863	8.89	4.15	9.8	3.3	3	3	40.7	High	1	3.4582057	High	0.5867	No
NP_001002909.1	23131	50962882	GPATCH8	G patch domain-containing protein 8 isoform 1 [Homo sapiens]	S653	0.71	1.29	QEPGGSHGsETEDTGR	1	3	3	0	1?TMTf6plex [N-Term]; 1?Phospho [S9(100)]	S9(Phospho): 100	S(6): 0.0; S(9): 100.0; T(11): 0.0; T(14): 0.0	EPGGSHGsETEDTGR	S9;	High	1952.818459	50.06	36.59	53.7	74.7	2	2	40.67	High	0.1463	3.698528767	High	0.0865	Yes
NP_060087.2	10397	37655183	NDRG1	protein NDRG1 isoform 1 [Homo sapiens]	S319	1.32	1.02	YFVQGMGVMPSAsMTR	1	3	4	0	1?TMTf6plex [N-Term]; 3?Oxidation [M6(100); M9(100); M14(100)]; 1?Phospho [S13(96.8)]	M6(Oxidation): 100; M9(Oxidation): 100; S13(Phospho): 96.8; M14(Oxidation): 100	Y(1): 0.0; Y(8): 0.0; S(11): 0.1; S(13): 96.8; T(15): 3.1	MGYMPSAsMTRLMRS	S13;	High	2182.921016					1	1	40.65	High	0.1707	3.610236406	High	0.0249	Yes
NP_005554.1	3925	5031851	STMN1	stathmin isoform a [Homo sapiens]	S38	0.19	4.37	ESVPEFPLsPPK	1	2	2	0	2?TMTf6plex [N-Term; K12]; 1?Phospho /S9(10001	S9(Phospho): 100	S(2): 0.0; S(9): 100.0	SVPEFPLsPPKKKDL	S9;	High	1864.986189					1	1	40.64	High	0.9512	2.889572859	High	0.5744	Yes
NP_055315.2	27336	21361437	HTATSF1	HIV Tat-specific factor 1 [Homo sapiens]	S387	3.94	2.54	RSDsVSASER	1	1	3	1	1?TMTf6plex [N-Term]; 1?Phospho [S4(100)]	S4(Phospho): 100	S(2): 0.0; S(4): 100.0; S(6): 0.0; S(8): 0.0	RGLRRSDsVSASERA	S4;	High	1402.652503					1	1	40.64	High	0.5122	2.593005419	High	0.1004	Yes
NP_001234918.1	4253	350994423	CTAGE5	cTAGE family member 5 isoform 6 [Homo sapiens]	S142	0.64	1.8	sNSELEDELCLEK	1	13	4	0	2?TMTf6plex [N-Term; K14]; 1?Carbamidomethyl [C11]; 1?Phospho [S1(99.1)]	S1(Phospho): 99.13	S(1): 99.1; S(3): 0.9	TCEKLNRsNSELEDE	S1;	High	2217.076202					1	1	40.61	High	0.878	3.830389717	High	0.0026	No
NP_060949.2	4357	194473668	MPST	3-mercaptopyruvate sulfurtransferase isoform 1 [Homo sapiens]	S15	0.36	2.04	ARsPSVAAMASPQLCR	1	1	2	1	1?TMTf6plex [N-Term]; 1?Carbamidomethyl [C15]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; S(11): 0.0	ESETRARsPSVAAMA	S3;	High	2010.981582					1	1	40.6	High	0.3171	5.216169834	High	0.1762	Yes
NP_005246.2	2580	157384971	GAK	cyclin-G-associated kinase isoform 1 [Homo sapiens]	S826; S829	0.69	1.33	ESESALMEDRDEsEVsDEGGSPISSEQGEPR	1	2	2	1	1?TMTf6plex [N-Term]; 1?Oxidation [M7(100)]; 2?Phospho [S13(100); S16(95.6)]	M7(Oxidation): 100; S13(Phospho): 100; S16(Phospho): 95.57	S(2): 0.0; S(4): 0.0; S(13): 100.0; S(16): 95.6; S(21): 4.4; S(24): 0.0; S(25): 0.0	LMEDRDEsEVSDEGG DRDSEVsDEGGSPI	S13; S16;	High	3743.49898					1	1	40.6	High	0.561	4.413981438	High	0.1723	Yes;Yes
NP_001107593.1	1111	166295194	CHEK1	serine/threonine-protein kinase Chk1 isoform 1 [Homo sapiens]	S280	0.9	1.32	VTsGGVSESPSGFSK	1	2	4	0	2?TMTf6plex [N-Term; K15]; 1?Phospho [S3(98.9)]	S3(Phospho): 98.89	T(2): 1.1; S(3): 98.9; S(7): 0.0; S(9): 0.0; S(11): 0.0; S(14): 0.0	AKRPRVTsGGVSESP	S3;	High	1963.977809					1	1	40.6	High	0.0732	3.619676459	High	0.0304	Yes
NP_006654.2	10848	63003907	PPP1R13L	rel/k-associated inhibitor [Homo sapiens]	S113	1.7	1.02	SESAPTLHPYSPLsPK	1	1	6	0	2?TMTf6plex [N-Term; K16]; 1?Phospho [S(100)]	S14(Phospho): 100	S(13): 0.0; S(3): 0.0; T(6): 0.0; Y(10): 0.0; S(11): 0.0; S(14): 100.0	LHPYSPLsPKGRPSS	S14;	High	2249.161921	5.28	49.78	15.7	107.8	3	3	40.57	High	0.0976	6.763105869	High	0.1598	Yes
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S397; T402	1.2	1.6	FNDsEGDDsEETEDYR	1	3	2	0	1?TMTf6plex [N-Term]; 2?Phospho [S4(100); T9(100)]	S4(Phospho): 100; T9(Phospho): 100	S(4): 100.0; T(9): 100.0; T(12): 0.0; Y(15): 0.0	GKQKFNDsEGDDTEEN DSEGDDsEETEDYR	S4; T9;	High	2310.816209					1	1	40.56	High	0.3415	3.291725636	High	0.4347	Yes;Yes
NP_002379.3	4172	394582093	MCM3	DNA replication licensing factor MCM3 isoform 1 [Homo sapiens]	S756	0.85	0.27	DGDSYDPYDFsDTEEEMPQVHTPK	1	2	8	0	2?TMTf6plex [N-Term; K24]; 1?Oxidation [M17(100)]; 1?Phospho [S11(98)]	S11(Phospho): 96.86; M17(Oxidation): 100	S(4): 0.0; Y(5): 0.0; Y(8): 0.0; S(11): 96.9; T(13): 3.1; T(22): 0.0	SYDPYDFsDTEEEMP	S11;	High	3356.423035	3.69	13.46	4.5	5.2	2	2	40.52	High	0.4146	4.572076797	High	0.0263	No
NP_002516.2	4898	156071450	NRD1	nardilysin isoform a [Homo sapiens]	S94	0.83	2.35	RGsLSNAGDPEIVK	1	2	2	1	2?TMTf6plex [N-Term; K14]; 1?Deamidated [N6(100)]; 1?Phospho [S3(100)]	S3(Phospho): 100, N6(Deamidated): 100	S(3): 100.0; S(5): 0.0	EEEGRRGsLSNAGDP	S3;	High	1982.035993					1	1	40.5	High	0.15	5.976493359	High	0.0987	Yes
NP_055829.2	23029	238859597	RBM34	RNA-binding protein 34 isoform 1 [Homo sapiens]	S14	0.98	1.08	sVQEGENPDDGVR	1	2	2	0	1?TMTf6plex [N-Term]; 1?Phospho /S1(1003	S1(Phospho): 100	S(1): 100.0	SKRRKRKsVQEGENP	S1;	High	1710.753339					1	1	40.49	High	1	4.215303898	High	0.6374	Yes
NP_003709.3	8621	145309302	CDK13	cyclin-dependent kinase 13 isoform 1 [Homo sapiens]	T1058	1.41	1.29	TNtPQGVLPSSQLK	1	2	4	0	2?TMTf6plex [N-Term; K14]; 1?Phospho [T3(98.9)]	T3(Phospho): 98.9	T(1): 1.1; T(3): 98.9; S(10): 0.0; S(11): 0.0	LDDSRTNtPGGVLPS	T3;	High	2008.088028					1	1	40.48	High	0.825	4.954973698	High	0.0222	Yes
NP_006176.2	4926	71361682	NUMA1	nuclear mitotic apparatus protein 1 isoform 1 [Homo sapiens]	T2055	1.15	0.15	QSMAFSILNtPK	1	2	2	0	2?TMTf6plex [N-Term; K12]; 1?Oxidation [M3(100)]; 1?Phospho [T10(100)]	M3(Oxidation): 100; T10(Phospho): 100	S(2): 0.0; S(6): 0.0; T(10): 100.0	MAFSILNtPKKLGNS	T10;	High	1890.980058					1	1	40.48	High	0.475	4.727476597	High	0.334	Yes
NP_055054.1	8892	7657058	EIF2B2	translation initiation factor eIF-2B subunit beta [Homo sapiens]	S103	1.27	1.31	SDEsDQQESLHK	1	1	3	0	2?TMTf6plex [N-Term; K12]; 1?Phospho /S4(99.4)	S4(Phospho): 99.36	S(1): 0.6; S(4): 99.4; S(9): 0.0	LHGRSDEsDQQESLH	S4;	High	1940.900287					1	1	40.44	High	0.975	4.040299416	High	0.0569	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan et al., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells.

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlanEvidence
NP_060537.3	55700	78042577	MAP7D1	MAP7 domain-containing protein 1 isoform 1 [Homo sapiens]	S116	0.65	0.99	RSSQPsPTAVPASDSPPTK	1	3	3	1	2^TMT6plex (N-Term; K19); 2^Phospho (S6(100); S7)	S2(Phospho): 50, S3(Phospho): 50, S6(Phospho): 100	S(2): 50.0, S(3): 50.0, S(6): 100.0, T(8): 0.0, S(13): 0.0, S(15): 0.0, T(18): 0.0	PRSSQPsPTAVPAS	S6;	High	2528.219921					1	1	40.41	High	0.075	5.589312553	High	0.1485	Yes
NP_008860.4	6499	67782311	SKIV2L	helicase SKI2W [Homo sapiens]	S245	0.51	1.03	GDTVSAsPCSAPLAR	1	1	3	0	1^TMT6plex (N-Term); 1^Carbamidomethyl (C9); 1^Phospho (S7(99))	S7(Phospho): 99.03	T(3): 0.0, S(5): 0.0, S(7): 99.0, S(10): 1.0	RGDTVSAsPCSAPLA	S7;	High	1797.84038					1	1	40.4	High	0.275	2.866482973	High	0.0453	Yes
NP_055880.2	23086	221316747	EXPH5	exophilin-5 isoform 1 [Homo sapiens]	S341	0.93	0.73	sLHFPATTQSK	1	2	2	0	2^TMT6plex (N-Term; K11); 1^Phospho (S1(100))	S1(Phospho): 100	S(1): 100.0, T(7): 0.0, T(8): 0.0, S(10): 0.0	TGHFTARsLHFPATT	S1;	High	1754.924257					1	1	40.39	High	0.9	4.294860363	High	0.6084	No
NP_001184033.1	4297	308199413	KMT2A	histone-lysine N-methyltransferase 2A isoform 1 precursor [Homo sapiens]	S2204	1.44	0.6	HSTSSLsPQR	1	2	2	0	1^TMT6plex (N-Term); 1^Phospho (S7(100))	S7(Phospho): 99.95	S(2): 0.0, T(3): 0.0, S(4): 0.0, S(5): 0.0, S(7): 100.0	RHSTSSLsPQRSKLR	S7;	High	1408.678324					1	1	40.34	High	0.3	4.063362122	High	0.1601	No
NP_683759.1	55695	23199998	NSUN5	probable 28S rRNA (cytosine-C(5))-methyltransferase isoform 1 [Homo sapiens]	S327	1.11	1.25	QLEEPGAGTPsPVR	1	4	2	0	1^TMT6plex (N-Term); 1^Phospho [S11(100)]	S11(Phospho): 99.99	T(9): 0.0, S(11): 100.0	EPGAGTPsPVRLHAL	S11;	High	1746.862496					1	1	40.32	High	0.1	3.449314117	High	0.0754	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S135	1.19	0.83	LKsEDGVEGDLGETQSR	1	1	12	1	2^TMT6plex (N-Term; K2); 1^Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0, T(14): 0.0, S(16): 0.0	KIKPRLKsEDGVEGD	S3;	High	2358.15902	3.66	10.19	10.7	21	6	6	40.31	High	1	5.04288435	High	0.5813	Yes
NP_001744.2	857	15451856	CAV1	caveolin-1 isoform alpha [Homo sapiens]	S37	0.66	0.71	AMADELsEK	1	1	5	0	2^TMT6plex (N-Term; K9); 1^Oxidation [M2(100)]; 1^Phospho [S7(100)]	M2(Oxidation): 100, S7(Phospho): 100	S(7): 100.0	KAMADELsEKQVYDA	S7;	High	1547.742848	71.44	33.48	75.1	34.5	2	2	40.3	High	0.85	3.583690166	High	0.6117	Yes
NP_066997.3	57805	24432106	CCAR2	cell cycle and apoptosis regulator protein 2 [Homo sapiens]	S675	1.16	0.32	sVASNQSEMEFSSLQDMPK	1	1	2	0	2^TMT6plex (N-Term; K19); 2^Oxidation [M9(100); M17(100)]; 1^Deamidated [Q15(100)]; 1^Phospho [S(97.2)]	S1(Phospho): 97.18; M9(Oxidation): 100; Q15(Deamidated): 100; M17(Oxidation): 100	S(1): 97.2; S(4): 2.8; S(7): 0.0; S(12): 0.0; S(13): 0.0	LEDSEVRsVASNQSE	S1;	High	2686.202937					1	1	40.29	High	0.15	4.867015839	High	0.0719	Yes
NP_001032242.1	221937	82546824	FOXK1	forkhead box protein K1 [Homo sapiens]	S445	1.8	1	EGsPPHDPEFGSK	1	1	3	0	2^TMT6plex (N-Term; K14); 1^Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0, S(13): 0.0	ECLSREGsPPHDPE	S3;	High	2034.993793					1	1	40.29	High	1	4.670957565	High	0.6146	Yes
NP_005110.2	9967	167234419	THRAP3	thyroid hormone receptor-associated protein 3 [Homo sapiens]	S243	1.25	1.35	ASAVSELsPR	1	1	4	0	1^TMT6plex (N-Term); 1^Phospho (S8(100))	S8(Phospho): 100	S(2): 0.0, S(5): 0.0, S(8): 100.0	ASAVSELsPRERSPA	S8;	High	1325.666362	11.37	1.97	20.4	3.8	2	2	40.28	High	0.325	2.81930685	High	0.3085	Yes
NP_003128.3	6732	47419936	SRPK1	SRSF protein kinase 1 [Homo sapiens]	S51	0.94	4.3	GSAPHSESDLPEQEEEILGsDDDEQEDPNDYCK	1	1	3	0	2^TMT6plex (N-Term; K33); 1^Carbamidomethyl (C32); 2^Deamidated (Q13(100); Q25(100)); 1^Phospho (S28(100))	Q13(Deamidated): 100; S28(Phospho): 100; Q25(Deamidated): 100	S(2): 0.0, S(6): 0.0, S(8): 0.0, S(20): 100.0, Y(31): 0.0	QEEEILGsDDDEQED	S20;	High	4274.764449					1	1	40.27	High	0.225	5.092499733	High	0.0511	Yes
NP_001017963.2	3320	153792590	HSP90AA1	heat shock protein HSP 90-alpha isoform 1 [Homo sapiens]	S385	0.71	8.31	ESEDKPEIEDVGsDEEEEK	1	2	2	0	3^TMT6plex (N-Term; K5; K19); 1^Phospho (S13(100))	S13(Phospho): 100	S(2): 0.0, S(13): 100.0	PEIEDVGsDEEEEKK	S13;	High	2960.375229					1	1	40.26	High	1	4.775456429	High	0.5523	No
NP_077734.1	5321	23943920	PLA2G4A	cytosolic phospholipase A2 [Homo sapiens]	S729	1.43	1.99	CSVsLSNVEAR	1	1	2	0	1^TMT6plex (N-Term); 1^Carbamidomethyl (C1); 1^Phospho (S4(100))	S4(Phospho): 100	S(2): 0.0, S(4): 100.0, S(6): 0.0	NPSRCSVsLSNVEAR	S4;	High	1530.718475					1	1	40.25	High	0.3	3.363351822	High	0.1429	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S414	1.06	1.46	HsPTPQQSNR	1	3	3	0	1^TMT6plex (N-Term); 1^Phospho [S2(100)]	S2(Phospho): 100	S(2): 100.0, T(4): 0.0, S(8): 0.0	PPPKTRHsPTPQQSN	S2;	High	1460.684472					1	1	40.22	High	0.525	4.423320293	High	0.1719	Yes
NP_057562.3	51530	66348045	ZC3HC1	nuclear-interacting partner of ALK isoform 1 [Homo sapiens]	S344	1.54	0.94	SQDATFSPGSEQAEKsPGPIVSR	1	2	4	1	2^TMT6plex (N-Term; K15); 1^Phospho [S16(100)]	S16(Phospho): 100	S(13): 0.0, T(5): 0.0, S(7): 0.0, S(10): 0.0, S(16): 100.0, S(22): 0.0	GSEQAEKsPGPIVSR	S16;	High	2913.439552	4.39	12.03	9.6	16.1	2	2	40.2	High	0.5	6.240233898	High	0.0913	Yes
NP_115593.3	26057	38683807	ANKRD17	ankyrin repeat domain-containing protein 17 isoform a [Homo sapiens]	S19	0.16		ATVPVAAATAAEGGsPPAVAAVAGPPAAAEVGGGVGGSSR	1	2	2	0	1^TMT6plex (N-Term); 1^Phospho [S16(99.9)]	S16(Phospho): 99.94	T(2): 0.0; T(9): 0.1; S(16): 99.9; S(39): 0.0; S(40): 0.0	TAAEGEGsPPAVAAV	S16;	High	3793.895927					1	1	40.2	High	0.125	5.223693848	High	0.0843	Yes
NP_060895.1	55361	13559514	PI4K2A	phosphatidylinositol 4-kinase type 2-alpha [Homo sapiens]	S47; S51	0.59	0.92	VAAAAGSGsPPGsPGHDRER	1	1	5	1	2^TMT6plex (N-Term; K14); 1^Phospho [S10(99.9); S14(100)]	S10(Phospho): 99.96; S14(Phospho): 100	S(7): 0.0; S(10): 100.0, S(14): 100.0	AAAGSGsPPGsPGHSG PSPPGsPGHDRER	S10; S14;	High	2362.053969	25.16	8.31	21.2	10.8	2	2	40.2	High	0.25	4.83007431	High	0.2692	Yes;Yes
NP_001231639.1	2673	347659028	GFPT1	glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1 isoform 1 [Homo sapiens]	S261	0.98	2.48	VDsTTCLFPVEEK	1	2	11	0	2^TMT6plex (N-Term; K33); 1^Carbamidomethyl (C32); 1^Phospho [S3(99.5)]	S3(Phospho): 99.46	S(3): 99.5; T(4): 0.5; T(5): 0.0	CNLSRVDsTTCLFPV	S3;	High	2063.017231					1	1	40.2	High	0.275	3.853078365	High	0.0234	Yes
NP_005875.1	10298	5031975	PAK4	serine/threonine-protein kinase PAK 4 isoform 1 [Homo sapiens]	S181	1.24	1.02	RPLsGPDVGTPQPAGLAS GAK	1	1	3	0	2^TMT6plex (N-Term; K21); 1^Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0, T(10): 0.0, S(18): 0.0	SRDKRPLsGPDVGTP	S4;	High	2514.348159					1	1	40.19	High	0.05	4.443156719	High	0.0653	Yes
NP_003617.1	8500	4505983	PPFIA1	liprin-alpha-1 isoform b [Homo sapiens]	T1159	1.03	1.26	GLAAGSAEtLPANFR	1	2	4	0	1^TMT6plex (N-Term); 1^Phospho (TS(100))	T9(Phospho): 100	S(6): 0.0, T(9): 100.0	LAAGSAEtLPANFRV	T9;	High	1783.89413	27.42	29.72	41.5	57	2	2	40.19	High	0.475	4.317317009	High	0.2222	Yes
NP_066298.1	8968	10440560	HIST1H3F	histone H3.1 [Homo sapiens]	S29	0.56	0.46	sAPATGGVK	1	3	4	0	2^TMT6plex (N-Term); 1^Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0, T(5): 0.0	ATKAARKsAPATGGV	S1;	High	1325.723039	8.43	3.36	6.7	2.2	2	2	40.19	High	0.975	3.282896519	High	0.439	No
NP_065090.1	57092	9966827	PCNP	PEST proteolytic signal-containing nuclear protein [Homo sapiens]	S119	0.62	0.2	TLSVAAAFNEDEDsEPEEMPPEAK	1	1	2	0	2^TMT6plex (N-Term; K24); 1^Phospho [S14(100)]; 1^Deamidated [N9(100)]; 1^Oxidation [M19(100)]	N9(Deamidated): 100; S14(Phospho): 100; M19(Oxidation): 100	T(1): 0.0; S(3): 0.0; S(14): 100.0	AFNEDEDsEPEEMPP	S14;	High	3161.416159					1	1	40.17	High	0.675	3.014230251	High	0.392	Yes
NP_114098.1	30011	13994242	SH3KBP1	SH3 domain-containing kinase-binding protein 1 isoform a [Homo sapiens]	S230	1.55	1.95	sIEVENDFLPVEK	1	2	2	0	2^TMT6plex (N-Term; K13); 1^Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0	PKLRPRsIEVENDF	S1;	High	2057.06081					1	1	40.15	High	0.775	3.269442797	High	0.6208	Yes
NP_003012.1	6449	4506921	SGTA	small glutamine-rich tetratricopeptide repeat-containing protein alpha [Homo sapiens]	T81	1.26	1.23	SPARPPSEEDSAEAER	1	1	2	1	1^TMT6plex (N-Term); 1^Phospho [T5(100)]	T5(Phospho): 100	S(1): 0.0, T(5): 100.0, S(8): 0.0, S(12): 0.0	DLRSPARtPPSEEDS	T5;	High	2137.960037					1	1	40.14	High	0.15	5.810927391	High	0.1274	Yes
NP_001036783.1	91748	112807226	ELMSAN1	ELM2 and SANT domain-containing protein 1 [Homo sapiens]	T704	1.05	1.14	TNSAEVtPPVLSVMGEATPVSEPR	1	1	3	0	1^TMT6plex (N-Term); 1^Oxidation [M14(100)]; 1^Phospho [T7(96.5)]	T7(Phospho): 96.48; M14(Oxidation): 100	T(1): 0.1; S(3): 3.4; T(7): 96.5; S(12): 0.0; T(18): 0.0; S(21): 0.0	RTNSAEVtPPVLSVM	T7;	High	2906.441971					1	1	40.14	High	0.325	3.803360701	High	0.1658	Yes
NP_003740.2	8660	38683860	IRS2	insulin receptor substrate 2 [Homo sapiens]	S1203	2.05	0.96	KSSEGGVGVGPGGGDEPPTsPR	1	1	3	1	2^TMT6plex (N-Term; K2); 1^Phospho [S20(98.3)]	S20(Phospho): 98.33	S(2): 0.0; S(20): 98.3; T(19): 1.7; S(20): 98.3	GGDEPPTsPRQLQPA	S20;	High	2562.260131					1	1	40.13	High	0.15	7.160955429	High	0.0293	Yes
NP_004629.3	7916	314122241	PRRC2A	protein PRRC2A [Homo sapiens]	S1004	1.57	0.78	ETPPNGNLsPAPR	1	1	4	0	1^TMT6plex (N-Term); 1^Deamidated (N5(100)); 1^Phospho [S9(100)]	N5(Deamidated): 100; S9(Phospho): 100	T(2): 0.0; S(9): 100.0	TPPNGNLsPAPRLRR	S9;	High	1659.794082	8.92	16.17	20	17.9	2	2	40.13	High	0.275	3.2905316635	High	0.0821	No
NP_001002909.1	23131	50962882	GPATCH8	G patch domain-containing protein 8 isoform 1 [Homo sapiens]	S653	1.03	0.34	MDAPASGSACSGLNKQEPGGSHGsETEDTGR	1	3	3	1	2^TMT6plex (N-Term; K15); 1^Carbamidomethyl (C10); 1^Oxidation [M1(100)]; 1^Phospho [S24(97.1)]	M1(Oxidation): 100; S24(Phospho): 97.1	S(6): 0.0; S(8): 0.0; S(11): 0.0; S(21): 0.0; S(24): 97.1; T(26): 2.9; T(29): 0.0	EPGGSHGsETEDTGR	S24;	High	3644.599453					1	1	40.11	High	0.075	6.286725998	High	0.0429	Yes
NP_001032897.1	8663	83700233	EIF3C	eukaryotic translation initiation factor 3 subunit C isoform a [Homo sapiens]	S39	0.84	0.93	QPLLsEDEEDTKR	1	3	8	1	2^TMT6plex (N-Term; K13); 1^Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0, T(12): 0.0	GKQPLLsEDEEDTK	S6;	High	2211.131015	4.63	9.74	7.8	18.2	4	4	40.11	High	0.875	5.031818867	High	0.3638	Yes
NP_006986.2	6164	16117787	RPL34	60S ribosomal protein L34 [Homo sapiens]	S12	1.35	1.08	RLsYNTASNK	1	1	2	1	2^TMT6plex (N-Term; K10); 1^Phospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0, Y(4): 0.0, T(6): 0.0, S(8): 0.0	LTYRRRLsYNTASNK	S3;	High	1691.888206					1	1	40.1	High	0.45	3.324282169	High	0.0693	Yes
NP_036515.4	26578	166235148	OSTF1	osteoclast-stimulating factor 1 [Homo sapiens]	S213	1.29	0.9	TLSNAEDYLDDEDsD	1	1	3	0	1^TMT6plex (N-Term); 1^Phospho [S14(100)]	S14(Phospho): 100	T(1): 0.0; S(3): 0.0; Y(8): 0.0, S(14): 100.0	DYLDDEDsD_	S14;	High	2010.790238					1	1	40.09	High	0.75	3.650327921	High	0.5452	Yes
NP_001511.2	2975	101943240	GTF3C1	general transcription factor 3C polypeptide 1 isoform 1 [Homo sapiens]	S739	2.42	1.12	TSQPPVPQGEAEEDsQGKEGPSGSDSQSASSSR	1	2	2	1	2^TMT6plex (N-Term; K18); 1^Phospho [S15(100)]	S15(Phospho): 100	T(1): 0.0; S(2): 0.0; S(15): 100.0; S(22): 0.0, S(24): 0.0, S(27): 0.0; S(30): 0.0; S(32): 0.0; S(33): 0.0	QGEAEEDsQGKEGPS	S15;	High	3924.813662					1	1	40.07	High	0.4	4.933141708	High	0.1034	Yes
NP_116126.3	84823	388240801	LMNB2	lamin-B2 [Homo sapiens]	S316	1.04	0.46	MRLEsLSYQLSGLQK	1	1	2	1	2^TMT6plex (N-Term; K15); 1^Oxidation [M1(100)]; 1^Phospho [S5(100)]	M1(Oxidation): 100; S5(Phospho): 100	S(5): 100.0, S(7): 0.0, Y(8): 0.0; S(11): 0.0	EARMRLEsLSYQLSG	S5;	High	2307.218391					1	1	40.07	High	0.375	4.489020824	High	0.1269	No
NP_001243399.1	54477	374349211	PLEKHA5	pleckstrin homology domain-containing family A member 5 isoform 4 [Homo sapiens]	T444	0.71	0.7	GVtSYQLPR	1	4	2	0	1^TMT6plex (N-Term); 1^Phospho [T7(100)]	T7(Phospho): 100	S(4): 0.0; Y(5): 0.0; T(7): 100.0	RGVtSYQLPRNMPS	T7;	High	1442.760597					1	1	40.06	High	0.525	3.501321316	High	0.1829	No
NP_004783.2	9360	42560244	PPIG	peptidyl-prolyl cis-trans isomerase G [Homo sapiens]	T358	0.89	1.08	SEtPPHWR	1	1	2	0	1^TMT6plex (N-Term); 1^Phospho [T3(100)]	T3(Phospho): 100	S(1): 0.0, T(3): 100.0	DRFRRSEtPPHWRQE	T3;	High	1318.614267					1	1	40.06	High	0.225	3.240069866	High	0.1975	Yes
NP_002220.1	3726	4504809	JUNB	transcription factor jun-B [Homo sapiens]	S251; T255; S2	0.97	0.42	sRDAtPPVsPINMEDQER	1	1	2	1	1^TMT6plex (N-Term); 1^Oxidation [M13(100)]; 3^Phospho [S1(100); T5(100); S9(100)]	S1(Phospho): 100; T5(Phospho): 100; S9(Phospho): 100; M13(Oxidation): 100	S(1): 100.0; T(5): 100.0; S(9): 100.0	QTVPEARsRDATPPVsPINRDATPVsPINMEDQ	S1; T5; S9;	High	2527.017503					1	1	40.05	High	1	5.647910595	High	0.7044	Yes;Yes;Yes
NP_001167459.1	55684	291219927	RABL6	rab-like protein 6 isoform 3 [Homo sapiens]	S493	1.22	1.55	GPAPAPQQCsEPETK	1	2	2	0	2^TMT6plex (N-Term; K15); 1^Carbamidomethyl (C9); 1^Phospho [S10(100)]	S10(Phospho): 100	S(10): 100.0; T(14): 0.0	APAPQQCsEPETKWS	S10;	High	2135.024442					1	1	40.04	High	0.575	3.403532267	High	0.1882	No
NP_001289958.1	11187	732663005	PKP3	plakophilin-3 isoform PKP3b [Homo sapiens]	T193	0.77	0.57	ADYDtLSLR	1	2	3	0	1^TMT6plex (N-Term); 1^Phospho [T5(100)]	T5(Phospho): 100	Y(3): 0.0; T(5): 100.0; S(7): 0.0	GSRADYDtLSLRSLR	T5;	High	1362.650376					1	1	40.03	High	0.65	2.794576883	High	0.1398	No
NP_003619.2	8502	53829374	PKP4	plakophilin-4 isoform a [Homo sapiens]	S233	2.49	2.42	AQSPSVVSTGVSPsRGSLR	1	4	3	1	1^TMT6plex (N-Term); 1^Phospho [S15(98.8)]	S15(Phospho): 98.76	S(3): 0.0; S(5): 0.0; Y(6): 0.0; S(9): 0.0; T(10): 0.0; S(13): 0.0; S(15): 98.8; S(18): 1.2	ISTGVSPsRGSLRTS	S15;	High	2358.201605					1	1	40.02	High	0.15	4.898104668	High	0.0224	Yes
NP_001615.2	202	728798446	AIM1	absent in melanoma 1 protein [Homo sapiens]	T525		0.63	MPLLELGGEtPPLSTER	1	1	2	0	1^TMT6plex (N-Term); 1^Oxidation [M1(100)]; 1^Phospho (T11(98.7))	M1(Oxidation): 100; T11(Phospho): 98.72	T(10): 1.3; T(11): 98.7; S(15): 0.0; T(16): 0.0	LELGGEtPPLSTER	T11;	High	2266.123932					1	1	40.02	High	0.075	2.930901766	High	0.0683	Yes
NP_071387.1	63935	18034767	PCIF1	phosphorylated CTD-interacting factor 1 [Homo sapiens]	S116	0.73	0.85	QIsEEQPSGNGVK	1	1	2	0	2^TMT6plex (N-Term; K13); 1^Deamidated [N10(100)]; 1^Phospho [S3(100)]	S3(Phospho): 100; N10(Deamidated): 100	S(3): 100.0; S(8): 0.0	KPRKRQIsEEQPSGN	S3;	High	1911.946589					1	1	39.99	High	0.625	3.512326717	High	0.3732	Yes
NP_060510.1	55105	8922313	GPATCH2	G patch domain-containing protein 2 isoform 1 [Homo sapiens]	S54	0.49	1.04	GGFAETGDtSR	1	2	2	0	1^TMT6plex (N-Term); 1^Phospho [S10(100)]	S10(Phospho): 100	T(6): 0.0; S(10): 100.0	FAETGDtSRSISCPL	S10;	High	1442.626288					1	1	39.99	High	0.675	3.217092037	High	0.2671	Yes
NP_061174.1	55917	24308179	CTTNBP2NL	CTTNBP2 N-terminal-like protein [Homo sapiens]	S568	0.62	1.03	VSSPLSPLSPGIKsPTIPR	1	1	3	1	2^TMT6plex (N-Term; K13); 1^Phospho [S14(100)]	S14(Phospho): 100	S(2): 0.0; S(3): 0.0; S(6): 0.0; S(9): 0.0; S(14): 100.0; T(16): 0.0	PLSPGIKsPTIPRAE	S14;	High	2471.403883	69.53	7.57	66.6	11	2	2	39.98	High	0.2	7.081287861	High	0.0565	Yes
NP_054747.2	28962	30025026	OSTM1	osteopetrosis-associated transmembrane protein 1 [Homo sapiens]	S325	0.38	0.64	SSTsFANIQENSN	1	1	6	0	1^TMT6plex (N-Term); 1^Deamidated [N11(100)]; 1^Phospho [S4(98.8)]	S4(Phospho): 98.14; N11(Deamidated): 99.07	S(1): 0.0, S(2): 0.9, T(3): 0.9, S(4): 98.1; S(12): 0.0	KRLKSSTsFANIQEN	S4;	High	1708.726456	205.9	10.1	154.3	9.1	2	2	39.97	High	0.075	3.657941103	High	0.0656	Yes
NP_004563.2	5318	148664226	PKP2	plakophilin-2 isoform 2b [Homo sapiens]	S71	1.36	2.97	SsVGNGNLHR	1	2	7	0	1^TMT6plex (N-Term); 1^Phospho [S2(99.05)]	S2(Phospho): 99.05	S(1): 1.0; S(2): 99.1	LARRGRSsVGNGNLH	S2;	High	1349.652444	14.43	0.67	28.4	2.8	2	2	39.95	High	0.15	3.928848743	High	0.0433	Yes
NP_056069.2	23303	46852172	KIF3B	kinesin-like protein KIF3B [Homo sapiens]	S1410	0.93	0.64	GRWEsQQDVSQTTVSR	1	1	2	1	1^TMT6plex (N-Term); 1^Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0, S(10): 0.0, T(12): 0.0, T(13): 0.0, S(15): 0.0	SNKGRWEsQQDVSQT	S5;	High	2173.023641					1	1	39.93	High	0.85	3.664364338	High	0.4508	Yes
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S397	1.17	1.35	QKFNDsEGDDTEETEDYR	1	3	4	1	2^TMT6plex (N-Term; K2); 1^Deamidated [N4(100)]; 1^Phospho [S6(100)]	N4(Deamidated): 99.99; S6(Phospho): 100	S(6): 100.0, T(11): 0.0, T(14): 0.0, Y(17): 0.0	GKQKFNDsEGDDTEE	S6;	High	2717.150366					1	1	39.91	High	0.1	4.624853134	High	0.0022	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	T59	2.76	0.64	VSPQDANPLMANGLTRR	1	5	2	1	1^TMT6plex (N-Term); 1^Oxidation [M10(100)]; 1^Deamidated [N12(100)]; 1^Phospho [T14(98.2)]	M10(Oxidation): 100; N12(Deamidated): 100; T14(Phospho): 98.24	S(2): 0.0; T(14): 98.2; T(16): 1.8	NPLMANGtLTRRHQN	T14;	High	2267.105263					1	1	39.88	High	0.275	4.428135872	High	0.1016	Yes
NP_060557.3	55706	271398350	NDC1	nucleoporin NDC1 isoform 1 [Homo sapiens]	S406	1.05	0.95	KLNsPEETAFQTPK	1	2	2	1	3^TMT6plex (N-Term; K14; K); 1^Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(8): 0.0; T(12): 0.0	VEPKKLNsPEETAFQ	S4;	High	2357.272089					1	1	39.88	High	0.375	3.9613316586	High	0.1692	No
NP_060986.2	51366	15147337	UBR5	E3 ubiquitin-protein ligase UBR5 isoform 1 [Homo sapiens]	S1549	1.13	0.87	RIsQSQPVR	1	2	3	1	1^TMT6plex (N-Term); 1^Phospho [S3(99.99)]	S3(Phospho): 99.99	S(3): 100.0; S(5): 0.0	NPQQRRIsQSQPVRG	S3;	High	1379.735779					1	1	39.86	High	0.55	4.7301118275	High	0.2008	Yes
NP_705902.2	80025	85838513	PANK2	pantothenate kinase 2, mitochondrial isoform 1 preproprotein [Homo sapiens]	S189	1.74	1.31	LGsYSGPTSVSR	1	1	2	0	1^TMT6plex (N-Term); 1^Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; Y(4): 0.0; S(5): 0.0; T(8): 0.0; S(9): 0.0, S(11): 0.0	TRRDRLLGsYSGPTSV	S3;	High	1519.735505					1	1	39.86	High	0.325	2.897587061	High	0.131	Yes
NP_000446.1	6794	4507271	STK11	serine/threonine-protein kinase STK11 [Homo sapiens]	S31	0.63	1.22	IDsTEVTYQPR	1	1	2	0	1^TMT6plex (N-Term); 1^Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0, T(4): 0.0, Y(8): 0.0	TFIHRIDsTEVTYQP	S3;	High	1629.808669					1	1	39.85	High	0.275	3.688467648	High	0.1247	Yes
NP_038470.1	30968	7305503	STOML2	stomatin-like protein 2, mitochondrial isoform a [Homo sapiens]	T327	0.92	0.47	APVPGsPDSLSSGSSR	1	4	2	0	1^TMT6plex (N-Term); 1^Phospho [T6(100)]	T6(Phospho): 100	T(6): 100.0; S(9): 0.0; S(11): 0.0; S(12): 0.0; S(14): 0.0; S(15): 0.0	TKAPVPGsPDSLSSG	T6;	High	1823.873789					1	1	39.85	High	0.625	3.500608206	High	0.3543	Yes
NP_073744.2	64855	51093863	FAM129B	niban-like protein 1 isoform 1 [Homo sapiens]	S696	2	1.18	AAPEASSPPAsPLQHLLPGK	1	2	4	0	2^TMT6plex (N-Term; K20); 2^Phospho [S1(100); S]	S6(Phospho): 50; S7(Phospho): 50; S11(Phospho): 100	S(6): 50.0; S(7): 50.0; S(11): 100.0	EASSPPAsPLQHLLP	S11;	High	2586.313427					1	1	39.83	High	0.1	3.414611578	High	0.044	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_055205.2	27044	77404397	SND1	staphylococcal nuclease domain-containing protein 1 [Homo sapiens]	S426	1.41	1.03	KVNVTVDYIRPAsPATETVPAFSER	1	1	2	1	2ｦTMT6plex [N-Term; K]; 1ｦPhospho [S13(100)]	S13(Phospho): 100	T(5): 0.0; Y(8): 0.0; S(13): 100.0; T(16): 0.0; T(18): 0.0; S(23): 0.0	VDYIRPAsPATETVP	S13;	High	3285.728464					1	1	39.82	High	0.35	7.309859276	High	0.1149	Yes
NP_004136.2	4650	33356170	MYO9B	unconventional myosin-IXb isoform 1 [Homo sapiens]	S1354	1.16	0.9	RTsFSTSDVSK	1	2	5	1	2ｦTMT6plex [N-Term; K11]; 1ｦPhospho [S3(99.1)]	S3(Phospho): 99.11	T(2): 0.9; S(3): 99.1; S(5): 0.0; T(6): 0.0; S(7): 0.0; S(10): 0.0	PTEERRTsFSTSDVS	S3;	High	1752.893351	2.6	1.86	4.3	2.4	2	2	39.82	High	0.525	4.670585155	High	0.0128	Yes
NP_005900.2	4131	153945728	MAP1B	microtubule-associated protein 1B [Homo sapiens]	S1653	3.28	0.3	SEQSSMSIEFGQEsPEQSLAMDFSR	1	1	2	0	1ｦTMT6plex [N-Term]; 2ｦOxidation [M6(100); M21(100)]; 1ｦPhospho [S14(100)]	M6(Oxidation): 100; S14(Phospho): 100; M21(Oxidation): 100	S(1): 0.0; S(4): 0.0; S(5): 0.0; S(7): 0.0; S(14): 100.0; S(18): 0.0; S(24): 0.0	SIEFGQEsPEQSLAM	S14;	High	3148.332557					1	1	39.79	High	0.475	3.94290638	High	0.0964	Yes
NP_006017.1	8971	5174449	H1FX	histone H1x [Homo sapiens]	S31	0.64	0.64	AGGSAALsPSK	1	1	12	0	2ｦTMT6plex [N-Term; K11]; 1ｦPhospho [S8(99.4)]	S8(Phospho): 100	S(4): 0.0; S(8): 100.0; S(10): 0.0	AGGSAALsPSKKRKN	S8;	High	1483.792181	6.84	5	10.8	7.9	6	6	39.75	High	0.175	4.20263052	High	0.1643	Yes
NP_065741.3	404734	37620163	ANKHD1-EIF4EBP3	ANKHD1-EIF4EBP3 protein [Homo sapiens]	S2598	2.6	1.15	GHNSSNsPSLQAGGAEGAGDR	1	1	3	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S7(100)]	S7(Phospho): 99.97	S(4): 0.0; S(5): 0.0; S(7): 100.0; S(9): 0.0	RGHNSSNsPSLQAGG	S7;	High	2278.004696					1	1	39.74	High	0.05	2.893951178	High	0.1211	Yes
NP_680780.1	11273	27262649	ATXN2L	ataxin-2-like protein isoform C [Homo sapiens]	S111	0.83	1	GQSTGKGPPQsPVFEGVYNNSR	1	7	6	1	2ｦTMT6plex [N-Term; K6]; 1ｦPhospho [S11(100)]	S11(Phospho): 100	S(3): 0.0; T(4): 0.0; S(11): 100.0; Y(18): 0.0; S(21): 0.0	TGKGPPQsPVFEGVY	S11;	High	2844.408193	30.39	12.41	45.6	21.8	3	3	39.73	High	0.675	5.598673344	High	0.2464	Yes
NP_073568.2	64710	56118310	NUCKS1	nuclear ubiquitous casein and cyclin-dependent kinase substrate 1 [Homo sapiens]	S58	1.51	1.36	NSQEDsEDSEDKDVK	1	1	2	1	3ｦTMT6plex [N-Term; K12; K15]; 1ｦPhospho [S6(100)]	S6(Phospho): 100	S(2): 0.0; S(6): 100.0; S(9): 0.0	GKNSQEDsEDSEDKD	S6;	High	2492.164449					1	1	39.69	High	0.425	5.83916235	High	0.1884	Yes
NP_695012.1	7317	23510340	UBA1	ubiquitin-like modifier-activating enzyme 1 [Homo sapiens]	S46	2.28	1.13	NGsEADIDEGLYSR	1	1	2	0	1ｦTMT6plex [N-Term]; 1ｦDeamidated [N1(100)]; 1ｦPhospho [S3(100)]	N1(Deamidated): 100; S3(Phospho): 100	S(3): 100.0; Y(12): 0.0; S(13): 0.0	NGMAKNGsEADIDEG	S3;	High	1835.789785					1	1	39.69	High	1	2.963367701	High	0.6014	Yes
NP_001138230.1	23187	221219024	PHLDB1	pleckstrin homology-like domain family B member 1 isoform a [Homo sapiens]	S461	1.17	1.25	ELPPLsPSLSR	1	2	4	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(8): 0.0; S(10): 0.0	MRELPPLsPSLSRRA	S6;	High	1504.797377	0.59	6.33	1	11.2	2	2	39.68	High	0.1	2.994648695	High	0.1171	Yes
NP_612206.3	116224	49472830	FAM122A	protein FAM122A [Homo sapiens]	S270	2.99	1.53	VSTTTDSPVsPAQAASPFIPLDELSSK	1	1	2	0	2ｦTMT6plex [N-Term; K27]; 1ｦDeamidated [Q13(100)]; 1ｦPhospho [S10(98.6)]	S10(Phospho): 98.59; Q13(Deamidated): 100	S(2): 0.0; T(3): 0.0; T(4): 0.0; T(5): 0.0; S(7): 1.3; S(10): 98.6; S(16): 0.0; S(25): 0.0; S(26): 0.0	TTTDSPVsPAQAASP	S10;	High	3284.659107					1	1	39.64	High	0.075	2.883574724	High	0.1701	Yes
NP_005096.1	9939	4826972	RBM8A	RNA-binding protein 8A [Homo sapiens]	S42	1.29	1.33	GFGsEEGSR	1	1	3	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(8): 0.0	RKGRGFGsEEGSRAR	S4;	High	1234.530263					1	1	39.64	High	0.85	2.685413122	High	0.2193	Yes
NP_001894.2	1495	55770844	CTNNA1	catenin alpha-1 isoform 1 [Homo sapiens]	S655	2.22	0.94	TsVQTEDDQLIAGQSAR	1	11	2	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S2(98.8)]	S2(Phospho): 98.85	T(1): 1.2; S(2): 98.9; T(5): 0.0; S(15): 0.0	FDVRSRTsVQTEDDQ	S2;	High	2128.012073					1	1	39.64	High	0.15	2.652146816	High	0.0755	Yes
NP_001287955.1	7082	666335594	TJP1	tight junction protein ZO-1 isoform d [Homo sapiens]	T593	0.24	0.88	AEQLASVQYtLPK	1	4	3	0	2ｦTMT6plex [N-Term; K13]; 1ｦPhospho [T10(99)]	T10(Phospho): 98.96	S(6): 1.0; Y(9): 0.0; T(10): 99.0	QLASVQYtLPKTAGG	T10;	High	1986.071315					1	1	39.63	High	0.225	3.945108414	High	0.0456	No
NP_004321.2	663	168480080	BNIP2	BCL2/adenovirus E1B 19 kDa protein-interacting protein 2 [Homo sapiens]	S235	1.09	2.16	KGsITEYTAAEEK	1	1	2	1	3ｦTMT6plex [N-Term; K13; K]; 1ｦPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(5): 0.0; Y(7): 0.0; T(8): 0.0	TEVIRKGsITEYTAA	S3;	High	2194.161142					1	1	39.62	High	0.375	4.410282135	High	0.102	No
NP_055816.2	23013	14790190	SPEN	msx2-interacting protein [Homo sapiens]	S727	1.53	1.02	SQsPVHLR	1	1	2	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0	RPIERSQsPVHLRRP	S3;	High	1232.635003					1	1	39.58	High	0.425	3.606577396	High	0.2271	Yes
NP_361013.3	7798	216548085	LUZP1	leucine zipper protein 1 [Homo sapiens]	S638	1.46	1.49	EGVNQPAAVVMEDsSPHEALR	1	1	4	0	1ｦTMT6plex [N-Term]; 1ｦOxidation [M11(100)]; 1ｦPhospho [S14(97.7)]	M11(Oxidation): 100; S14(Phospho): 97.72	S(14): 97.7; S(15): 2.3	AAVVMEDsSPHEALR	S14;	High	2561.190448					1	1	39.58	High	0.95	2.974645138	High	0.0337	No
NP_056988.3	9669	84043963	EIF5B	eukaryotic translation initiation factor 5B [Homo sapiens]	S113	1.83	1	QSFDDNDsEELEDKDSK	1	1	4	1	3ｦTMT6plex [N-Term; K14; K17]; 1ｦPhospho [S8(100)]	S8(Phospho): 100	S(2): 0.0; S(8): 100.0; S(16): 0.0	QSFDDNDsEELEDKD	S8;	High	2768.275456	4.24	14.17	11	20.3	2	2	39.56	High	0.55	5.773179054	High	0.2721	Yes
NP_006176.2	4926	71361682	NUMA1	nuclear mitotic apparatus protein 1 isoform 1 [Homo sapiens]	S169	0.79	1.43	APVPSTCSSTFPEELsPPSHQAK	1	2	4	0	2ｦTMT6plex [N-Term; K23]; 1ｦCarbamidomethyl [C7]; 1ｦPhospho [S16(100)]	S16(Phospho): 100	S(5): 0.0; T(6): 0.0; S(8): 0.0; S(9): 0.0; T(10): 0.0; S(16): 100.0; S(19): 0.0	STFPEELsPPSHQAK	S16;	High	2992.45276	13.66	15.29	15.3	31.5	2	2	39.53	High	0.275	4.762033463	High	0.166	Yes
NP_000537.3	7157	120407068	TP53	cellular tumor antigen p53 isoform a [Homo sapiens]	S315	1.79	1.07	ALPNNTSSsPQPK	1	12	3	0	2ｦTMT6plex [N-Term; K13]; 1ｦPhospho [S9(96.5)]	S9(Phospho): 96.52	T(6): 1.2; S(7): 1.2; S(8): 1.2; S(9): 96.5	LPNNTSSsPQPKKKP	S9;	High	1878.972664					1	1	39.51	High	0.275	4.477876663	High	0.0647	Yes
NP_006176.2	4926	71361682	NUMA1	nuclear mitotic apparatus protein 1 isoform 1 [Homo sapiens]	S1757	1.56	1.02	TQPDGTSVPGEPAsPISQR	1	2	4	0	1ｦTMT6plex [N-Term]; 1ｦDeamidated [Q18(100)]; 1ｦPhospho [S14(100)]	Q2(Deamidated): 100; S14(Phospho): 99.97	T(1): 0.0; T(6): 0.0; S(7): 0.0; S(14): 100.0; S(17): 0.0	SVPGEPAsPISQRLP	S14;	High	2234.053938	27.85	20.43	67.5	30.2	2	2	39.5	High	0.2	5.030100346	High	0.1093	Yes
NP_001229714.1	3141	338753400	HLCS	biotin--protein ligase [Homo sapiens]	S79	0.93	0.97	RGsASGSEPAGDSDR	1	1	3	1	1ｦTMT6plex [N-Term]; 1ｦPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; S(7): 0.0; S(13): 0.0	EPKQRRGsASGSEPA	S3;	High	1757.765301					1	1	39.48	High	0.359	4.511868954	High	0.1419	Yes
NP_005836.2	10257	157502201	ABCC4	multidrug resistance-associated protein 4 isoform 1 [Homo sapiens]	T646	1.07	1.11	DNEESEQPPVPGtPTLR	1	4	3	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [T13(98.5)]	T13(Phospho): 98.91	S(5): 0.0; T(13): 98.9; T(15): 1.1	EQPPVPGtPTLRNRT	T13;	High	2175.016824	1.67	65.93	2.5	137.7	2	2	39.47	High	0.1026	4.075666428	High	0.0833	Yes
NP_036364.2	284119	42734430	PTRF	polymerase I and transcript release factor [Homo sapiens]	S300	1.13	1.1	sFTPDHVVYAR	1	1	9	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(3): 0.0; Y(9): 0.0	SRDKLRKsFTPDHVV	S1;	High	1600.772224	1.85	1.2	4.2	2.6	4	4	39.45	High	0.5128	4.77797842	High	0.113	Yes
NP_659449.3	219771	32171247	CCNY	cyclin-Y isoform 1 [Homo sapiens]	S326	0.85	0.66	SAsADNLTLPR	1	4	2	0	1ｦTMT6plex [N-Term]; 1ｦDeamidated [N6(100)]; 1ｦPhospho [S3(100)]	S3(Phospho): 100; N6(Deamidated): 100	S(1): 0.0; S(3): 100.0; T(8): 0.0	SARKRSAsADNLTLP	S3;	High	1454.708956					1	1	39.44	High	0.5128	3.713111877	High	0.2237	Yes
NP_079087.3	79869	217035102	CPSF7	cleavage and polyadenylation specificity factor subunit 7 isoform 1 [Homo sapiens]	T246	1.11	1.05	DSSDSADGRAtPSENLVPSSAR	1	3	4	1	1ｦTMT6plex [N-Term]; 1ｦPhospho [T11(100)]	T11(Phospho): 100	S(2): 0.0; S(3): 0.0; S(5): 0.0; T(11): 100.0; S(13): 0.0; S(19): 0.0; S(20): 0.0	DSADGRAtPSENLVP	T11;	High	2528.146334	23.95	0.45	48.7	0.8	3	3	39.41	High	0.2564	5.304026127	High	0.1358	No
NP_001253968.1	51574	388490152	LARP7	la-related protein 7 isoform 2 [Homo sapiens]	S268	0.72	0.95	SRPTSEGsDIESTEPQK	1	2	6	0	2ｦTMT6plex [N-Term; K17]; 1ｦPhospho [S8(100)]	S8(Phospho): 99.97	S(1): 0.0; T(4): 0.0; S(5): 0.0; S(8): 100.0; S(12): 0.0; T(13): 0.0	SRPTSEGsDIESTEP	S8;	High	2386.153935	13.09	1.08	16.5	1.8	3	3	39.4	High	0.0769	5.544532776	High	0.0903	No
NP_037450.2	84726	149192855	PRRC2B	protein PRRC2B [Homo sapiens]	S613	0.8	1.01	EAGsPAQEFK	1	1	3	0	2ｦTMT6plex [N-Term; K10]; 1ｦPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	EEAREAGsPAQEFKY	S4;	High	1601.79766					1	1	39.38	High	0.8974	2.892958403	High	0.5606	Yes
NP_001253975.1	122786	388490221	FRMD6	FERM domain-containing protein 6 isoform 2 [Homo sapiens]	S413	1.34	0.76	DTGPEDSYsSSAIHR	1	3	3	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S9(98.6)]	S9(Phospho): 98.61	T(2): 0.0; S(7): 0.0; Y(8): 0.0; S(9): 98.6; S(10): 1.4; S(11): 0.0	TGPEDSYsSSAIHRK	S9;	High	1930.838131					1	1	39.37	High	0.2308	4.098124027	High	0.0463	No
NP_001265387.1	22837	510937001	COBLL1	cordon-bleu protein-like 1 isoform 1 [Homo sapiens]	T326	0.59	0.88	DQTASAPAtPLVNK	1	4	4	0	2ｦTMT6plex [N-Term; K14]; 1ｦPhospho [S5(99)]	T9(Phospho): 100	T(3): 0.0; S(5): 0.0; T(9): 100.0	QTASAPAtPLVNKHR	T9;	High	1951.030179	58.36	3.16	51.6	3.9	2	2	39.36	High	0.3077	5.099806786	High	0.2843	No
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1545	1.4	1.49	RPsQGPPAR	1	1	14	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	AQTSRRPsQGPPARS	S3;	High	1274.656801	2.09	4.02	7.2	14.7	6	6	39.35	High	0.8462	4.3861866	High	0.5945	Yes
NP_060537.3	55700	78042577	MAP7D1	MAP7 domain-containing protein 1 isoform 1 [Homo sapiens]	S116	0.9	0.57	SSQPsPTAVPASDSPPTK	1	3	3	0	2ｦTMT6plex [N-Term; K18]; 1ｦPhospho [S5(98.3)]	S5(Phospho): 98.34	S(1): 0.0; S(2): 0.0; S(5): 98.3; T(7): 1.6; S(12): 0.0; S(14): 0.0; T(17): 0.0	PRRSSQPsPTAVPAS	S5;	High	2292.152479					1	1	39.34	High	0.0513	4.67628479	High	0.0363	Yes
NP_116114.1	84811	14249338	BUD13	BUD13 homolog isoform 1 [Homo sapiens]	T135	3.54	1.67	HGtPDPSPR	1	2	3	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; S(7): 0.0	PRRVRHGtPDPSPRK	T3;	High	1272.593532					1	1	39.34	High	0.8974	3.018859863	High	0.457	Yes
NP_009134.1	445815	6005709	PALM2-AKAP2	PALM2-AKAP2 protein isoform 1 [Homo sapiens]	S366	1.64	2.49	TNGHsPSQPR	1	5	14	0	1ｦTMT6plex [N-Term]; 1ｦDeamidated [N2(100)]; 1ｦPhospho [S5(100)]	N2(Deamidated): 100; S5(Phospho): 99.99	T(1): 0.0; S(5): 100.0; S(7): 0.0	AERTNGHsPSQPRDA	S5;	High	1390.631374	9.04	1.06	34.1	5.9	5	5	39.31	High	0.4872	3.916984797	High	0.2066	No
NP_001291744.1	23152	756140883	CIC	protein capicua homolog isoform CIC-L [Homo sapiens]	S2155	0.89	1.06	SsPPLPPPAEER	1	2	5	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S2(100)]	S2(Phospho): 99.99	S(1): 0.0; S(2): 100.0	WTPTARSsPPLPPPA	S2;	High	1585.782455					1	1	39.28	High	0.2564	2.763506651	High	0.0471	No
NP_001293009.1	4008	807045912	LMO7	LIM domain only protein 7 isoform 3 [Homo sapiens]	S1541	0.5	0.14	SHsPSASQSGSQLR	1	3	3	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S3(98.4)]	S3(Phospho): 98.44	S(1): 1.6; S(3): 98.4; S(5): 0.0; S(7): 0.0; S(9): 0.0; S(11): 0.0	SPTPRSHsPSASQSG	S3;	High	1737.811857					1	1	39.27	High	0.4359	3.266247749	High	0.0856	No
NP_001273102.1	9847	555290101	C2CD5	C2 domain-containing protein 5 isoform c [Homo sapiens]	S661	1.36	0.97	SQsESSDEVTELDLSHGKK	1	5	6	1	3ｦTMT6plex [N-Term; K18; K19]; 1ｦPhospho [S3(99)]	S3(Phospho): 99.05	S(1): 1.0; S(3): 99.1; S(5): 0.0; S(6): 0.0; T(10): 0.0; S(15): 0.0	SRLLRSQsESSDEVT	S3;	High	2843.427874					1	1	39.22	High	0.6923	6.126809597	High	0.0294	No
NP_005221.2	2004	44955921	ELK3	ETS domain-containing protein Elk-3 isoform 1 [Homo sapiens]	S396	0.33	2	AAsPVLLSSNSQK	1	2	4	0	2ｦTMT6plex [N-Term; K13]; 1ｦPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(8): 0.0; S(9): 0.0; S(11): 0.0	PSLDRAAsPVLLSSN	S3;	High	1839.998151	165.72	12.01	90.5	35	2	2	39.2	High	0.7436	4.80994606	High	0.501	Yes
NP_067047.4	58499	114431236	ZNF462	zinc finger protein 462 [Homo sapiens]	S2172	0.84	1.71	NNSRVsPVPLSGAAAGTEQK	1	1	2	1	2ｦTMT6plex [N-Term; K20]; 1ｦPhospho [S6(98.7)]	S6(Phospho): 98.66	S(3): 1.3; S(6): 98.7; S(11): 0.0; T(17): 0.0	ARNNSRVsPVPLSGA	S6;	High	2521.317587					1	1	39.19	High	0.1026	5.601975918	High	0.0536	Yes
NP_002678.2	5411	33356174	PNN	pinin [Homo sapiens]	S66	2.69	1.36	RGFsDSGGGPPAK	1	1	2	1	2ｦTMT6plex [N-Term; K13]; 1ｦPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(6): 0.0	LLLRRGFsDSGGGPP	S4;	High	1770.89402					1	1	39.17	High	0.3333	5.489281178	High	0.1129	Yes
NP_006308.3	10409	30795231	BASP1	brain acid soluble protein 1 [Homo sapiens]	T36	0.95	0.59	AEGAATEEEGtPKESEPQAAAEPAEAK	1	1	2	1	3ｦTMT6plex [N-Term; K13; K27]; 1ｦPhospho [T11(100)]	T11(Phospho): 100	T(6): 0.0; T(11): 100.0; S(15): 0.0	AATEEEGtPKESEPQ	T11;	High	3465.68773					1	1	39.17	High	0.1282	4.916340828	High	0.0793	Yes
NP_055412.2	30836	54633315	DNTTIP2	deoxynucleotidyltransferase terminal-interacting protein 2 [Homo sapiens]	T232	1.53	1.01	QIVGtPVNSEDSDTR	1	1	2	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [T5(100)]	T5(Phospho): 99.99	T(5): 100.0; S(9): 0.0; S(12): 0.0; T(14): 0.0	NEKQIVGtPVNSEDS	T5;	High	1926.900732					1	1	39.17	High	0.2564	3.041186333	High	0.148	Yes
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	S242	1	0.98	GsETPGATPGSK	1	1	10	0	2ｦTMT6plex [N-Term; K12]; 1ｦPhospho [S2(99.2)]	S2(Phospho): 99.18	S(2): 99.2; T(4): 0.8; T(8): 0.0; S(11): 0.0	TPGRAKGsETPGATP	S2;	High	1626.814038	2.28	3.21	4.6	6.3	4	4	39.12	High	0.6667	5.10833025	High	0.0196	Yes
NP_689929.2	219988	189217919	PATL1	protein PAT1 homolog 1 [Homo sapiens]	S184	0.81	0.88	RSTSPIIGsPPVR	1	1	8	1	1ｦTMT6plex [N-Term]; 2ｦPhospho [S9(100); S/T]	T3(Phospho): 49.5; S4(Phospho): 49.5; S9(Phospho): 100	S(2): 1.0; T(3): 49.5; S(4): 49.5; S(9): 100.0	STSPIIGsPPVRAVP	S9;	High	1755.875718	2.17	3.25	3	5	3	3	39.12	High	0.0513	4.339169502	High	0.0138	Yes
NP_055872.4	23077	291190787	MYCBP2	E3 ubiquitin-protein ligase MYCBP2 [Homo sapiens]	S2789	0.54	0.58	SLsPNHNTLQTLK	1	1	4	0	2ｦTMT6plex [N-Term; K13]; 1ｦPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; T(8): 0.0; T(11): 0.0	DSHSRSLsPNHNTLQ	S3;	High	1991.072712					1	1	39.08	High	0.5641	4.770700455	High	0.0335	No
NP_001005743.1	8650	54144625	NUMB	protein numb homolog isoform 1 [Homo sapiens]	S634	1.5	1.2	TNPsPTNPFSSDLQK	1	4	4	0	2ｦTMT6plex [N-Term; K15]; 1ｦPhospho [S4(98.9)]	S4(Phospho): 98.87	T(1): 0.0; S(4): 98.9; T(6): 1.1; S(10): 0.0; S(11): 0.0	SKQRTNPsPTNPFSS	S4;	High	2171.078586					1	1	39.08	High	0.1026	3.836753845	High	0.0365	Yes
NP_803136.2	147700	91825557	KLC3	kinesin light chain 3 [Homo sapiens]	S167	0.56	1.6	QYDPPAESQQSEsPPRR	1	1	3	1	1ｦTMT6plex [N-Term]; 1ｦDeamidated [Q1(100)]; 1ｦPhospho [S13(100)]	Q1(Deamidated): 100; S13(Phospho): 99.99	Y(2): 0.0; S(8): 0.0; S(11): 0.0; S(13): 100.0	AESQQSEsPPRRDSL	S13;	High	2282.028786					1	1	39.04	High	0.1538	4.258840561	High	0.0563	Yes
NP_001159582.1	23022	260656034	PALLD	palladin isoform 4 [Homo sapiens]	S182	0.1	0.74	IAsDEEIQGTK	1	4	5	0	2ｦTMT6plex [N-Term; K11]; 1ｦDeamidated [Q8(100)]; 1ｦPhospho [S3(100)]	S3(Phospho): 100; Q8(Deamidated): 100	S(3): 100.0; T(10): 0.0	SRTARIAsDEEIQGT	S3;	High	1729.866134	66.17	6.78	12	8.8	3	3	39.04	High	0.8205	3.647783279	High	0.4959	No
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1620	0.86	1.3	ASRVPsSDEEVVEEPQSR	1	1	2	1	1ｦTMT6plex [N-Term]; 1ｦDeamidated [Q16(100)]; 1ｦPhospho [S6(100)]	S6(Phospho): 99.98; Q16(Deamidated): 100	S(2): 0.0; S(6): 100.0; S(7): 0.0; S(17): 0.0	PRASRVPsSDEEVVE	S6;	High	2311.065231					1	1	39.03	High	0.2308	4.457261086	High	0.0964	Yes
NP_056173.1	23515	28872812	MORC3	MORC family CW-type zinc finger protein 3 [Homo sapiens]	S514	1.56	0.88	RHLsEGTNSYATR	1	1	2	1	1ｦTMT6plex [N-Term]; 1ｦPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(7): 0.0; S(9): 0.0; Y(10): 0.0; T(12): 0.0	SVPRRHLsEGTNSYA	S4;	High	1800.859142					1	1	39.02	High	0.5128	3.681945801	High	0.2391	Yes
NP_005069.2	7090	157384982	TLE3	transducin-like enhancer protein 3 isoform a [Homo sapiens]	S203	0.9	0.57	ESSANNSVsPSESLR	1	7	2	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S9(100)]	S9(Phospho): 99.99	S(2): 0.0; S(3): 0.0; S(7): 0.0; S(9): 100.0; S(11): 0.0; S(13): 0.0	SSANNSVsPSESLRA	S9;	High	1872.853781					1	1	39.02	High	0.0769	3.082399607	High	0.1071	Yes
NP_001245238.1	4839	385198061	NOP2	probable 28S rRNA (cytosine(4447)-C(5))-methyltransferase isoform 3 [Homo sapiens]	S819	0.86	1.3	GPQPPTVsPIR	1	3	2	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S8(100)]	S8(Phospho): 99.99	T(6): 0.0; S(8): 100.0	GPQPPTVsPIRSSRP	S8;	High	1457.771496					1	1	39.02	High	0.4103	2.734778404	High	0.0842	No
NP_001284636.1	23271	663071131	CAMSAP2	calmodulin-regulated spectrin-associated protein 2 isoform 1 [Homo sapiens]	S599	1.06	0.84	LNQSsPDNVTDTK	1	3	11	0	2ｦTMT6plex [N-Term; K13]; 1ｦPhospho [S5(99.3)]	S5(Phospho): 99.3	S(4): 0.7; S(5): 99.3; T(10): 0.0; T(12): 0.0	NIKLNQSsPDNVTDT	S5;	High	1956.967972	5.26	6.53	11.2	11	4	4	38.99	High	0.2051	4.41714859	High	0.0226	Yes
NP_001184033.1	4297	308199413	KMT2A	histone-lysine N-methyltransferase 2A isoform 1 precursor [Homo sapiens]	S142	1.34	1.43	AVFGESGGGGGsGEDEQFLGFGSDEEVR	1	2	2	0	1ｦTMT6plex [N-Term]; 1ｦDeamidated [Q17(100)]; 1ｦPhospho [S12(100)]	S12(Phospho): 100; Q17(Deamidated): 100	S(6): 0.0; S(12): 100.0; S(23): 0.0	ESGGGGGsGEDEQFL	S12;	High	3086.310165					1	1	38.99	High	0.4872	3.118623495	High	0.1346	Yes
NP_002636.2	5286	157671929	PIK3C2A	phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha [Homo sapiens]	S1553	4.03	1.39	SADAGSFsPTPGQIGGAVK	1	1	3	0	2ｦTMT6plex [N-Term; K19]; 1ｦPhospho [S8(98.5)]	S8(Phospho): 98.51	S(1): 0.0; S(6): 0.0; S(8): 98.5; T(10): 1.5	SADAGSFsPTPGQIG	S8;	High	2285.157898					1	1	38.99	High	0.1795	3.102127552	High	0.0452	Yes
NP_115751.3	84335	400153980	AKT1S1	proline-rich AKT1 substrate 1 isoform a [Homo sapiens]	S223; S232	1.59	1.58	TEARSsDEENGPPSsPDLDR	1	2	2	1	1ｦTMT6plex [N-Term]; 2ｦPhospho [S6(98.1); S15(98.1)]	S6(Phospho): 98.08; S15(Phospho): 98.08	T(1): 0.0; S(5): 1.9; S(6): 98.1; S(14): 1.9; S(15): 98.1	KRTEARSsDEENGPP;EENGPPSsPDLDRIA	S6; S15;	High	2548.043917					1	1	38.98	High	0.0513	5.399540901	High	0.0519	No;No
NP_001104026.1	2316	160420317	FLNA	filamin-A isoform 2 [Homo sapiens]	S2152	1.06	1.39	APsVANVGSHCDLSLK	1	2	2	0	2ｦTMT6plex [N-Term; K16]; 1ｦCarbamidomethyl [C11]; 1ｦPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(9): 0.0; S(14): 0.0	TRRRRAPsVANVGSH	S3;	High	2193.113925					1	1	38.98	High	0.3077	4.092256069	High	0.2518	Yes
NP_079359.2	80153	19923613	EDC3	enhancer of mRNA-decapping protein 3 [Homo sapiens]	S161	1.24	1.37	HNsWSSSSR	1	1	2	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; S(6): 0.0; S(7): 0.0; S(8): 0.0	SFRRRHNsWSSSSRH	S3;	High	1356.589509					1	1	38.95	High	0.2564	3.210846186	High	0.1994	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	T866	0.62	1.76	QGSITSPQANEQSVtPQRR	1	1	2	1	1ｦTMT6plex [N-Term]; 1ｦPhospho [T15(100)]	T15(Phospho): 100	S(3): 0.0; T(5): 0.0; S(6): 0.0; S(13): 0.0; T(15): 100.0	QANEQSVtPQRRSCF	T15;	High	2393.177181					1	1	38.91	High	0.2821	5.568296432	High	0.0736	Yes
NP_115677.2	84261	124248558	FBXW9	F-box/WD repeat-containing protein 9 [Homo sapiens]	S18	1.24	0.68	CDDSRTWDDDsDPESETDPDAQAK	1	1	2	1	2ｦTMT6plex [N-Term; K24]; 1ｦCarbamidomethyl [C1]; 1ｦPhospho [S11(100)]	S11(Phospho): 100	S(4): 0.0; T(6): 0.0; S(11): 100.0; S(15): 0.0; T(17): 0.0	SRTWDDDsDPESETD	S11;	High	3293.346576					1	1	38.91	High	0.2821	3.828035831	High	0.094	Yes
NP_060952.2	50807	46094081	ASAP1	arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1 isoform 1 [Homo sapiens]	S1008	2.53	1.15	SQTGDVsPK	1	2	4	0	2ｦTMT6plex [N-Term; K9]; 1ｦPhospho [S7(100)]	S7(Phospho): 100	S(1): 0.0; T(3): 0.0; S(7): 100.0	KSQTGDVsPKAQQPS	S7;	High	1456.744896	0.01	7.64	0	12.5	2	2	38.9	High	0.8205	3.621934652	High	0.3619	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_055848.1	23048	38524622	FNBP1	formin-binding protein 1 [Homo sapiens]	S296	0.8	2.54	TVsDNSLSNSR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(99.3)]	S3(Phospho): 99.27	T(1): 0.0; S(3): 99.3; S(6): 0.7; S(8): 0.0; S(10): 0.0	QPMKRTVsDNSLSNS	S3;	High	1488.689283					1	1	38.9	High	0.2821	3.52742672	High	0.1841	Yes
NP_055987.2	23215	115298682	PRRC2C	protein PRRC2C [Homo sapiens]	T2693	0.7	1.32	ATStSPNSQSSK	1	1	6	0	2×TMT6plex [N-Term; K12]; 1×Phospho [S5(99.1)]	T4(Phospho): 97.32	T(2): 0.0; S(3): 1.3; T(4): 97.3; S(5): 1.3; S(8): 0.0; S(10): 0.0; S(11): 0.0	SPFRATStSPNSQSS	T4;	High	1732.85188	2.33	2.14	2.3	4	2	2	38.89	High	0.0769	3.474359512	High	0.0029	No
NP_116254.4	84951	157738639	TNS4	tensin-4 precursor [Homo sapiens]	S350	0.37	0.39	TPHsPPLAK	1	1	7	0	2×TMT6plex [N-Term; K9]; 1×Phospho [S4(100)]	S4(Phospho): 100	T(1): 0.0; S(4): 100.0	GQPRTPHsPPLAKEH	S4;	High	1485.823087	25.62	2.6	19.1	2	4	4	38.88	High	0.5641	3.889361143	High	0.2468	Yes
NP_002464.1	4627	12667788	MYH9	myosin-9 [Homo sapiens]	S1943	0.72	1.77	KGAGDGsDEEVDGK	1	1	15	1	3×TMT6plex [N-Term; K14; K]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	RKGAGDGsDEEVDGK	S7;	High	2131.05232	5.4	4.32	11.1	22	8	8	38.87	High	1	4.744327545	High	0.6224	Yes
NP_001268704.1	23613	528881278	ZMYND8	protein kinase C-binding protein 1 isoform i [Homo sapiens]	S426	2.05	0.83	LNFDMTAsPK	1	17	2	0	2×TMT6plex [N-Term; K10]; 1×Oxidation [M5(100)]; 1×Phospho [S8(100)]	M5(Oxidation): 100; S8(Phospho): 100	T(6): 0.0; S(8): 100.0	LNFDMTAsPKILMSK	S8;	High	1677.832331					1	1	38.87	High	0.3333	3.53519249	High	0.1864	No
NP_001186127.1	55773	312837064	TBC1D23	TBC1 domain family member 23 isoform 1 [Homo sapiens]	S474	1.67	1.02	SSINSVDGEsPNGSSDR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S10(100)]	S10(Phospho): 100	S(1): 0.0; S(2): 0.0; S(5): 0.0; S(10): 100.0; S(14): 0.0; S(15): 0.0	INSVDGEsPNGSSDR	S10;	High	2016.870888					1	1	38.86	High	0.3846	2.654664516	High	0.2038	Yes
NP_001159582.1	23022	260656034	PALLD	palladin isoform 4 [Homo sapiens]	S393	0.05		sPSGHPHVR	1	4	2	0	1×TMT6plex [N-Term]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(3): 0.0	QRGRSPRsPSGHPHV	S1;	High	1282.625501					1		38.85	High	0.5641	4.238677025	High	0.2075	No
NP_004148.1	5576	4758958	PRKAR2A	cAMP-dependent protein kinase type II-alpha regulatory subunit [Homo sapiens]	S78; S80	1.57	1.44	VADAKGDsEsEEDEDLEVPVPSR	1	1	2	1	2×TMT6plex [N-Term; K5]; 2×Phospho [S8(100); S10(100)]	S8(Phospho): 100; S10(Phospho): 100	S(8): 100.0; S(10): 100.0; S(22): 0.0	VADAKGDsESEEDED;DAKGDSEsEEDEDLE	S8; S10;	High	3091.379787					1	1	38.83	High	0.8974	6.855287075	High	0.6545	Yes;Yes
NP_694997.2	256364	110227615	EML3	echinoderm microtubule-associated protein-like 3 isoform 3 [Homo sapiens]	S176	0.94	1	AIsSANLLVR	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; S(4): 0.0	KLSRKAIsSANLLVR	S3;	High	1352.750032					1	1	38.82	High	0.3077	3.442236185	High	0.1221	Yes
NP_062565.2	56288	21361831	PARD3	partitioning defective 3 homolog isoform 1 [Homo sapiens]	S973	0.67	1.27	ESVSTASDQPSHsLER	1	11	2	0	1×TMT6plex [N-Term]; 1×Phospho [S13(100)]	S13(Phospho): 99.99	S(2): 0.0; S(4): 0.0; T(5): 0.0; S(7): 0.0; S(11): 0.0; S(13): 100.0	ASDQPSHsLERQMNG	S13;	High	2038.928009					1	1	38.82	High	0.3077	2.898201227	High	0.1448	Yes
NP_059344.1	10458	9257197	BAIAP2	brain-specific angiogenesis inhibitor 1-associated protein 2 isoform 1 [Homo sapiens]	S323	1.12	1.45	sLSPPQSQSK	1	4	8	0	2×TMT6plex [N-Term; K10]; 1×Phospho [S1(99.1)]	S1(Phospho): 99.06	S(1): 99.1; S(3): 0.9; S(7): 0.0; S(9): 0.0	RKAAQPKsLSPPQSQ	S1;	High	1596.839859	4.73	6.32	7.5	13	2	2	38.81	High	0.8974	3.539797306	High	0.0395	Yes
NP_001074295.2	157285	595582408	SGK223	tyrosine-protein kinase SgK223 [Homo sapiens]	S745	0.53	1.07	VSQGSAESLsPSFR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S10(100)]	S10(Phospho): 99.99	S(2): 0.0; S(5): 0.0; S(8): 0.0; S(10): 100.0; S(12): 0.0	QGSAESLsPSFRGVH	S10;	High	1760.84176					1	1	38.81	High	0.2051	2.94037056	High	0.0646	Yes
NP_938018.1	219855	38093649	SLC37A2	sugar phosphate exchanger 2 isoform 1 [Homo sapiens]	S496	0.95	0.44	GsGSSMVLTHQ	1	1	9	0	1×TMT6plex [N-Term]; 1×Oxidation [M6(100)]; 1×Phospho [S4(96.9)]	S2(Phospho): 98.59; M6(Oxidation): 100	S(2): 98.6; S(4): 1.4; S(5): 0.0; T(9): 0.0	KVSLSRGsGSSMVLT	S2;	High	1428.639162					1	1	38.8	High	0.2821	3.274373055	High	0.0398	No
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	T5824	4.6	1.83	FGtFGGLGSK	1	1	3	0	2×TMT6plex [N-Term; K10]; 1×Phospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; S(9): 0.0	HGKLKFGtFGGLGSK	T3;	High	1508.791452					1	1	38.8	High	0.7179	3.061888695	High	0.4118	Yes
NP_001191397.1	8241	325120986	RBM10	RNA-binding protein 10 isoform 5 [Homo sapiens]	S30	1.12	0.73	GGGESLQEAsPR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S10(100)]	S10(Phospho): 100	S(5): 0.0; S(10): 100.0	GESLQEAsPRLADHG	S10;	High	1496.694368					1	1	38.76	High	0.9487	2.695897102	High	0.5481	Yes
NP_006537.3	10642	56237027	IGF2BP1	insulin-like growth factor 2 mRNA-binding protein 1 isoform 1 [Homo sapiens]	S181	0.2	0.23	QGsPVAAGAPAK	1	1	4	0	2×TMT6plex [N-Term; K12]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	RGQPRQGsPVAAGAP	S3;	High	1591.860929	40.87	313.36	11.5	132.9	2	2	38.71	High	1	5.183917999	High	0.6873	Yes
NP_036253.2	23580	13786127	CDC42EP4	cdc42 effector protein 4 [Homo sapiens]	S118	1.03	0.5	NAMsLPQLNEK	1	1	2	0	2×TMT6plex [N-Term; K11]; 1×Oxidation [M3(100)]; 1×Phospho [S4(100)]	M3(Oxidation): 100; S4(Phospho): 100	S(4): 100.0	LFVKNAMsLPQLNEK	S4;	High	1798.917458					1	1	38.71	High	0.8718	3.203371286	High	0.625	Yes
NP_001035869.1	55139	109150435	ANKZF1	ankyrin repeat and zinc finger domain-containing protein 1 isoform 1 [Homo sapiens]	S675	0.7	1.03	LAAQLGAPTsPIPDSAIVNTR	1	2	4	0	1×TMT6plex [N-Term]; 1×Phospho [S10(98.2)]	S10(Phospho): 98.2	T(9): 1.8; S(10): 98.2; S(15): 0.0; T(20): 0.0	AQLGAPTsPIPDSAI	S10;	High	2401.268956					1	1	38.68	High	0.0256	3.958878994	High	0.0328	Yes
NP_001129064.1	6233	208022622	RPS27A	ubiquitin-40S ribosomal protein S27a precursor [Homo sapiens]	S57	0.88	4.16	TLsDYNIQK	1	4	2	0	2×TMT6plex [N-Term; K9]; 1×Phospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; Y(5): 0.0	LEDGRTLsDYNIQKE	S3;	High	1619.84461					1	1	38.68	High	0.5641	3.164294481	High	0.2247	Yes
NP_775762.1	134353	27735089	LSM11	U7 snRNA-associated Sm-like protein LSm11 [Homo sapiens]	S280	1.49	1.06	SRsVPSSLQASAR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S3(98.8)]	S3(Phospho): 98.78	S(1): 1.2; S(3): 98.8; S(6): 0.0; S(7): 0.0; S(11): 0.0	GSHKRSRsVPSSLQA	S3;	High	1654.847515					1	1	38.67	High	0.2308	3.43003583	High	0.0729	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S560; S562	0.74	1.6	RsPsPAPPPR	1	3	4	1	1×TMT6plex [N-Term]; 2×Phospho [S2(100); S4(100)]	S2(Phospho): 100; S4(Phospho): 100	S(2): 100.0; S(4): 100.0	PPTRRRRsPSPAPPP;TRRRRSPsPAPPPRR	S2; S4;	High	1450.680647	11.98	2.38	15.5	6.6	3	3	38.65	High	0.9487	3.887424469	High	0.635	Yes;Yes
NP_006717.2	987	148233596	LRBA	lipopolysaccharide-responsive and beige-like anchor protein isoform 2 [Homo sapiens]	S1767	1.16	1.17	SAVSPSTFNTSIPTNAVSVVSSVDSAQASDMGGEsPGSR	1	2	3	0	1×TMT6plex [N-Term]; 1×Oxidation [M31(100)]; 1×Phospho [S35(99.7)]	M31(Oxidation): 100; S35(Phospho): 99.66	S(1): 0.0; S(4): 0.0; S(6): 0.0; T(7): 0.0; T(10): 0.0; S(11): 0.0; T(14): 0.0; S(18): 0.0; S(21): 0.0; S(22): 0.0; S(25): 0.0; S(29): 0.0; S(35): 99.7; S(38): 0.3	ASDMGGEsPGSRSSN	S35;	High	4108.885558					1	1	38.61	High	0.1795	5.998568535	High	0.0433	Yes
NP_078800.3	79572	148839292	ATP13A3	probable cation-transporting ATPase 13A3 [Homo sapiens]	S817	0.4	0.68	LVHDsLEDLQMTR	1	1	2	0	1×TMT6plex [N-Term]; 1×Oxidation [M11(100)]; 1×Phospho [S5(100)]	S5(Phospho): 100; M11(Oxidation): 100	S(5): 100.0; T(12): 0.0	PVKLVHDsLEDLQMT	S5;	High	1881.897895					1	1	38.61	High	0.9231	4.348489285	High	0.4345	Yes
NP_060842.3	55791	55743124	LRIF1	ligand-dependent nuclear receptor-interacting factor 1 isoform 1 [Homo sapiens]	S402	1.26	0.98	DTLQTVSSsPVTEISR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S9(98.8)]	S9(Phospho): 98.75	T(2): 0.0; T(5): 0.0; S(7): 0.0; S(8): 1.2; S(9): 98.8; T(12): 0.0; S(15): 0.0	TLQTVSSsPVTEISR	S9;	High	2029.005197					1	1	38.59	High	0.1282	2.789723635	High	0.0538	Yes
NP_001278893.1	4301	634743290	MLLT4	afadin isoform 4 [Homo sapiens]	S1736	0.84	0.94	SKSQDADsPGSSGAPENLTFK	1	2	2	1	3×TMT6plex [N-Term; K2; K21]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(1): 0.0; S(3): 0.0; S(8): 100.0; S(11): 0.0; S(12): 0.0; T(19): 0.0	SKSQDADsPGSSGAP	S8;	High	2890.443858					1	1	38.57	High	0.3846	3.64765501	High	0.1562	No
NP_060537.3	55700	78042577	MAP7D1	MAP7 domain-containing protein 1 isoform 1 [Homo sapiens]	S254	0.83	1.5	CSVsAVNLPK	1	2	8	0	2×TMT6plex [N-Term; K10]; 1×Carbamidomethyl [C1]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(2): 0.0; S(4): 100.0	SGSRCSVsAVNLPKH	S4;	High	1612.853401	12.4	3.23	20.8	9.7	4	4	38.56	High	0.2821	3.809101582	High	0.0866	Yes
NP_079366.3	57602	122114651	USP36	ubiquitin carboxyl-terminal hydrolase 36 [Homo sapiens]	S742	1.48	1.41	AVsPAPQSSSR	1	1	4	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(8): 0.0; S(9): 0.0; S(10): 0.0	VHRARAVsPAPQSSS	S3;	High	1395.683075	6.31	2.98	13.2	6	2	2	38.56	High	0.8205	2.665229797	High	0.3146	Yes
NP_001059.2	7155	19913408	TOP2B	DNA topoisomerase 2-beta [Homo sapiens]	S1576	2.22	0.45	KTSFDQDsDVDIFPSDFPTEPPSLPR	1	1	2	1	2×TMT6plex [N-Term; K]; 1×Phospho [S8(100)]	S8(Phospho): 100	T(2): 0.0; S(3): 0.0; S(8): 100.0; S(15): 0.0; T(19): 0.0; S(23): 0.0	KTSFDQDsDVDIFPS	S8;	High	3475.671068					1	1	38.55	High	0.1538	4.381854057	High	0.1484	No
NP_001120932.1	9924	188536114	PAN2	PAB-dependent poly(A)-specific ribonuclease subunit PAN2 isoform 1 [Homo sapiens]	S1189	0.98	1.05	VPEPEGQTsPK	1	3	4	0	2×TMT6plex [N-Term; K11]; 1×Phospho [S9(98.9)]	S9(Phospho): 98.91	T(8): 1.1; S(9): 98.9	PEPEGQTsPKNAAVF	S9;	High	1706.876638					1	1	38.53	High	0.8205	3.598579407	High	0.0306	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5448	0.46	0.88	GPRIsAPNVDFNLEGPK	1	1	2	1	2×TMT6plex [N-Term; K17]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	NLKGPRIsAPNVDFN	S5;	High	2349.236817					1	1	38.52	High	1	3.433103561	High	0.6531	Yes
NP_001271317.1	9221	548923888	NOLC1	nucleolar and coiled-body phosphoprotein 1 isoform 1 [Homo sapiens]	S573	1.92	2.15	AAKNsEEEEEEK	1	3	3	1	3×TMT6plex [N-Term; K3; K12]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	NGKAAKNsEEEEEEK	S5;	High	2160.067636					1	1	38.52	High	0.9744	2.914612532	High	0.5739	No
NP_001387.2	1859	18765758	DYRK1A	dual specificity tyrosine-phosphorylation-regulated kinase 1A isoform 1 [Homo sapiens]	S758	1.54	0.2	QGADREESPMTGVCVQQsPVASS	1	2	2	1	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C14]; 1×Oxidation [M10(100)]; 1×Phospho [S18(100)]	M10(Oxidation): 100; S18(Phospho): 99.98	S(8): 0.0; T(11): 0.0; S(18): 100.0; S(22): 0.0; S(23): 0.0	TGVCVQQsPVASS_	S18;	High	2745.20584					1	1	38.51	High	0.3077	3.265339136	High	0.1376	Yes
NP_001243399.1	54477	374349211	PLEKHA5	pleckstrin homology domain-containing family A member 5 isoform 4 [Homo sapiens]	S1021	1.27	1.21	AKsPTPESSTIASYVTLR	1	4	2	1	2×TMT6plex [N-Term; K2]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(5): 0.0; S(8): 0.0; S(9): 0.0; T(10): 0.0; S(13): 0.0; Y(14): 0.0; T(16): 0.0	VVPPRAKsPTPESST	S3;	High	2446.299477					1	1	38.5	High	0.1579	6.401794434	High	0.0797	No
NP_065939.2	57648	112734870	KIAA1522	uncharacterized protein KIAA1522 isoform 1 [Homo sapiens]	S386	0.52	0.46	CSLHSAsPASVR	1	2	5	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C1]; 1×Phospho [S7(99.1)]	S7(Phospho): 99.08	S(2): 0.0; S(5): 0.9; S(7): 99.1; S(10): 0.0	RCSLHSAsPASVRSL	S7;	High	1580.745358	22.07	22.24	16.3	14.5	2	2	38.49	High	0.2895	4.739878654	High	0.1118	No
NP_689876.2	55103	32441283	RALGPS2	ras-specific guanine nucleotide-releasing factor RalGPS2 isoform 1 [Homo sapiens]	S296	0.91	0.81	SAAsREDLVGPEVGASPQSGR	1	2	2	1	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; S(4): 100.0; S(16): 0.0; S(19): 0.0	STPRSAAsREDLVGP	S4;	High	2379.150298					1	1	38.48	High	0.1316	5.337068081	High	0.118	Yes
NP_001107018.1	51474	165905589	LIMA1	LIM domain and actin-binding protein 1 isoform 1 [Homo sapiens]	S225	0.91	1.86	KIsENSYSLDDLEIGPGQLSSSTFDSEK	1	3	11	1	3×TMT6plex [N-Term; K28; K]; 1×Phospho [S3(100)]	S3(Phospho): 99.97	S(3): 100.0; S(6): 0.0; Y(7): 0.0; S(8): 0.0; S(20): 0.0; S(21): 0.0; S(22): 0.0; T(23): 0.0; S(26): 0.0	SASGRKIsENSYSLD	S3;	High	3813.892637					1	1	38.45	High	0.2632	7.815515041	High	0.0575	Yes
NP_008998.1	11143	5901962	KAT7	histone acetyltransferase KAT7 isoform 1 [Homo sapiens]	T88	1.17	0.79	SQQQPTPVtPK	1	3	2	0	2×TMT6plex [N-Term; K11]; 1×Phospho [T9(100)]	T9(Phospho): 100	S(1): 0.0; T(6): 0.0; T(9): 100.0	QQQPTPVtPKKYPLR	T9;	High	1748.934822					1	1	38.45	High	0.6316	5.394351006	High	0.3265	Yes
NP_038477.2	11176	91176325	BAZ2A	bromodomain adjacent to zinc finger domain protein 2A isoform 1 [Homo sapiens]	S1770	1.76	1.17	GREsPAAGPR	1	2	4	1	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	VLLRGREsPAAGPRY	S4;	High	1306.64663	3.63	13.83	9.1	23.2	2	2	38.43	High	0.8421	3.260018587	High	0.6748	Yes
NP_004829.3	9454	224809408	HOMER3	homer protein homolog 3 isoform 1 [Homo sapiens]	S159	1.03	1.58	SQsADAPGPTER	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; T(10): 0.0	EKLFRSQsADAPGPT	S3;	High	1524.689283					1	1	38.42	High	0.4211	3.087295532	High	0.2524	Yes
NP_000928.1	5430	4505939	POLR2A	DNA-directed RNA polymerase II subunit RPB1 [Homo sapiens]	S1913	1.35	0.75	YSPTsPTYSPTSPK	1	1	15	0	2×TMT6plex [N-Term; K14]; 1×Phospho [S12(99)]	S5(Phospho): 98.82	Y(1): 0.0; S(2): 0.0; T(4): 0.0; S(5): 98.8; T(7): 1.2; Y(8): 0.0; S(9): 0.0; T(11): 0.0; S(12): 0.0	SPKYSPTsPTYSPTS	S5;	High	2051.01386	12.24	60.74	23.6	71.9	2	2	38.39	High	0.2368	4.741436005	High	0.0654	Yes
NP_065883.1	57592	24308227	ZNF687	zinc finger protein 687 [Homo sapiens]	T377	1.54	1.52	LSPAtPTSEGPK	1	1	3	0	2×TMT6plex [N-Term; K12]; 1×Phospho [T5(100)]	T5(Phospho): 100	S(2): 0.0; T(5): 100.0; T(7): 0.0; S(8): 0.0	LLKLSPAtPTSEGPK	T5;	High	1722.907939					1	1	38.39	High	0.2632	3.468270779	High	0.1383	Yes
NP_001123528.1	1936	194239729	EEF1D	elongation factor 1-delta isoform 4 [Homo sapiens]	S109	1.64	0.57	ATAPQTQHVsPMR	1	4	4	0	1×TMT6plex [N-Term]; 1×Oxidation [M12(100)]; 2×Deamidated [Q5(100); Q7(100)]; 1×Phospho [S10(100)]	Q5(Deamidated): 100; Q7(Deamidated): 100; S10(Phospho): 100; M12(Oxidation): 100	T(2): 0.0; T(6): 0.0; S(10): 100.0	APQTQHVsPMRQVEP	S10;	High	1750.803268	9.37	58.97	22	50	2	2	38.38	High	0.6053	4.0527668	High	0.4	No
NP_004765.2	5469	28559039	MED1	mediator of RNA polymerase II transcription subunit 1 [Homo sapiens]	S1223	1.98	0.28	AKsPISSGSGGSHMSGTSSSSGMK	1	1	2	1	3×TMT6plex [N-Term; K2; K24]; 2×Oxidation [M14(100); M23(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; M14(Oxidation): 100; M23(Oxidation): 100	S(3): 100.0; S(6): 0.0; S(7): 0.0; S(9): 0.0; S(12): 0.0; S(15): 0.0; T(17): 0.0; S(18): 0.0; S(19): 0.0; S(20): 0.0; S(21): 0.0	PPSSKAKsPISSGSG	S3;	High	3011.441827					1	1	38.37	High	0.0526	5.581623077	High	0.1362	Yes
NP_001248755.1	8943	387849337	AP3D1	AP-3 complex subunit delta-1 isoform 3 [Homo sapiens]	S658	1.43	1.05	HRPsEADEEELAR	1	2	4	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	RRPKHRPsEADEEEL	S4;	High	1847.848637	0.88	18.44	1.8	27.8	2	2	38.37	High	1	4.748291492	High	0.6358	Yes
NP_001077362.1	29966	142976686	STRN3	striatin-3 isoform 1 [Homo sapiens]	S229	0.78	1.46	NLEQILNGGEsPKQK	1	2	4	1	3×TMT6plex [N-Term; K13; K15]; 1×Phospho [S11(100)]	S11(Phospho): 100	S(11): 100.0	QILNGGEsPKQKGQE	S11;	High	2422.331001	55.65	1.44	67.1	3	2	2	38.36	High	1	5.481181622	High	0.469	Yes
NP_001135452.1	7158	213972636	TP53BP1	tumor suppressor p53-binding protein 1 isoform 1 [Homo sapiens]	S1322	5.6	0.96	TSsGTSLSAMHSSGSSGK	1	3	3	0	2×TMT6plex [N-Term; K18]; 1×Oxidation [M10(100)]; 2×Phospho [S3(94.6); T/S]	S3(Phospho): 94.57; T5(Phospho): 50.81; S6(Phospho): 50.81; M10(Oxidation): 100	T(1): 0.1; S(2): 3.6; S(3): 94.6; T(5): 50.8; S(6): 50.8; S(8): 0.1; S(12): 0.0; S(13): 0.0; S(15): 0.0; S(16): 0.0	SSLHRTSsGTSLSAM	S3;	High	2303.002794					1	1	38.36	High	0.0526	3.844044685	High	0.0703	No
NP_060176.2	54853	38327642	WDR55	WD repeat-containing protein 55 [Homo sapiens]	S14	0.48	17.76	TCEERPAEDGsDEEDPDSMEAPTR	1	1	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C2]; 1×Phospho [S11(100)]	S11(Phospho): 100	T(1): 0.0; S(11): 100.0; S(18): 0.0; T(23): 0.0	ERPAEDGsDEEDPDS	S11;	High	3032.197185					1	1	38.36	High	0.5526	3.226741552	High	0.2105	Yes
NP_002826.3	5782	196114951	PTPN12	tyrosine-protein phosphatase non-receptor type 12 isoform 1 [Homo sapiens]	S332	1.78	0.64	IADGVNEINTENMVSSIEPEKQDsPPPKPPR	1	3	2	1	3×TMT6plex [N-Term; K21; K28]; 1×Oxidation [M13(100)]; 1×Deamidated [Q22(100)]; 1×Phospho [S24(100)]	M13(Oxidation): 100; Q22(Deamidated): 100; S24(Phospho): 100	T(10): 0.0; S(15): 0.0; S(16): 0.0; S(24): 100.0	IEPEKQDsPPPKPPR	S24;	High	4173.102982					1	1	38.35	High	0.1053	5.900277615	High	0.0627	Yes
NP_109590.3	10743	40807477	RAI1	retinoic acid-induced protein 1 [Homo sapiens]	S1374	0.08	0.48	GAGGsPVGVEEGLVNVGTGQK	1	1	2	0	2×TMT6plex [N-Term; K21]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; T(18): 0.0	GLKGAGGsPVGVEEG	S5;	High	2450.26924					1	1	38.35	High	1	3.918461084	High	0.6837	Yes
NP_848927.2	92140	223555917	MTDH	protein LYRIC [Homo sapiens]	S308	0.98	1.32	WNSVsPASAGK	1	1	2	0	2×TMT6plex [N-Term; K11]; 1×Phospho [S5(100)]	S5(Phospho): 99.99	S(3): 0.0; S(5): 100.0; S(8): 0.0	EEKWNSVsPASAGKR	S5;	High	1641.840193					1	1	38.34	High	0.3421	2.983565092	High	0.1242	Yes
NP_003673.3	8567	209862994	MADD	MAP kinase-activating death domain protein isoform d [Homo sapiens]	S1239	0.98	1.53	GTLsDSEIETNSATSTIFGK	1	10	5	0	2×TMT6plex [N-Term; K20]; 1×Phospho [S4(98.8)]	S4(Phospho): 98.78	T(2): 1.2; S(4): 98.8; S(6): 0.0; T(10): 0.0; S(12): 0.0; T(14): 0.0; S(15): 0.0; T(16): 0.0	ASSRGTLsDSEIETN	S4;	High	2596.279529					1	1	38.33	High	0.3947	5.112344265	High	0.0098	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_005210.3	1729	119395758	DIAPH1	protein diaphanous homolog 1 isoform 1 [Homo sapiens]	S22	2.31	0.91	GRsPDELPSAGGDGGK	1	2	4	1	2ﾗTMT6plex [N-Term; K16]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(9): 0.0	RDKKKGRsPDELPSA	S3;	High	2038.00067	0.11	4.2	0.4	5.4	2	2	38.28	High	0.7895	4.690833092	High	0.5032	Yes
NP_068831.1	3728	12056468	JUP	junction plakoglobin [Homo sapiens]	S665	0.32	0.51	RVsVELTNSLFK	1	1	2	1	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(7): 0.0; S(9): 0.0	PDYRKRVsVELTNSL	S3;	High	1931.076735					1	1	38.25	High	0.8158	4.865979195	High	0.4887	Yes
NP_000413.1	3872	4557701	KRT17	keratin, type I cytoskeletal 17 [Homo sapiens]	S39	0.35	0.4	LSGGLGAGsCR	1	1	5	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C10]; 1ﾗPhospho [S2(100)]	S9(Phospho): 100	S(2): 0.0; S(9): 100.0	SGGLGAGsCRLGSAG	S9;	High	1343.634017	23.65	0.13	14.3	0.1	3	3	38.23	High	0.8947	3.365220547	High	0.6113	Yes
NP_001129204.1	10043	209180457	TOM1	target of Myb protein 1 isoform 2 [Homo sapiens]	S355	0.97	1.44	AGLQsLEASGR	1	4	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(9): 0.0	SVRAGLQsLEASGRL	S5;	High	1397.698725					1	1	38.21	High	0.4737	2.731809855	High	0.2198	Yes
NP_874365.3	23513	355390313	SCRIB	protein scribble homolog isoform a [Homo sapiens]	S1437	0.97	0.82	LALDGETLGEEEQEDEQPPWAsPSPTSR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S22(98.2)]	S22(Phospho): 98.25	T(7): 0.0; S(22): 98.3; S(24): 1.7; T(26): 0.0; S(27): 0.0	DEQPPWAsPSPTSRQ	S22;	High	3377.525971	12.6	6.93	17.3	8.1	2	2	38.2	High	0.1842	4.992059231	High	0.0361	Yes
NP_005549.2	3898	20070205	LAD1	ladinin-1 [Homo sapiens]	S38	0.41	0.5	NLsSTTDDEAPR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [N1(100)]; 1ﾗPhospho [S3(100)]	N1(Deamidated): 100; S3(Phospho): 100	S(3): 100.0; S(4): 0.0; T(5): 0.0; T(6): 0.0	RRRHRNLsSTTDDEA	S3;	High	1615.704993					1	1	38.17	High	0.2368	3.433494091	High	0.0845	Yes
NP_002147.2	3329	31542947	HSPD1	60 kDa heat shock protein, mitochondrial [Homo sapiens]	S70	1.46	1.07	TVIIEQSWGsPK	1	1	3	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	T(1): 0.0; S(7): 0.0; S(10): 100.0	IIEQSWGsPKVTKDG	S10;	High	1883.007987					1	1	38.15	High	0.1842	3.578308344	High	0.2039	Yes
NP_006729.4	11214	31563330	AKAP13	A-kinase anchor protein 13 isoform 1 [Homo sapiens]	S2402	1.3	1.24	DMAECSTPLPEDCsPTHSPR	1	3	2	0	1ﾗTMT6plex [N-Term]; 2ﾗCarbamidomethyl [C5; C13]; 1ﾗOxidation [M2(100)]; 1ﾗPhospho [S14(100)]	M2(Oxidation): 100; S14(Phospho): 99.95	S(6): 0.0; T(7): 0.0; S(14): 100.0; T(16): 0.1; S(18): 0.0	TPLPEDCsPTHSPRV	S14;	High	2612.06657					1	1	38.14	High	0.1579	5.107699394	High	0.0548	No
NP_036387.2	22803	18860916	XRN2	5'-3' exoribonuclease 2 [Homo sapiens]	S448	0.89	1.55	NsPGSQVASNPR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; S(5): 0.0; S(9): 0.0	HALGSRNsPGSQVAS	S2;	High	1522.721251	12.36	2.46	15.6	5.4	2	2	38.14	High	0.5789	2.770284891	High	0.278	Yes
NP_031372.2	11054	33286446	OGFR	opioid growth factor receptor [Homo sapiens]	S349	1.77	2.06	sVEPQDAGPLER	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0	DEGPQPRsVEPQDAG	S1;	High	1606.767533					1	1	38.13	High	0.9737	3.992340565	High	0.584	Yes
NP_054754.1	28966	7662655	SNX24	sorting nexin-24 [Homo sapiens]	S116	1.11	1.23	AESCGsFDETESEESSK	1	1	2	0	2ﾗTMT6plex [N-Term; K17]; 1ﾗCarbamidomethyl [C4]; 1ﾗPhospho [S6(100)]	S6(Phospho): 99.97	S(3): 0.0; S(6): 100.0; T(10): 0.0; S(12): 0.0; S(15): 0.0; S(16): 0.0	PKAESCGsFDETESE	S6;	High	2417.010367					1	1	38.12	High	0.3421	3.350595236	High	0.0866	Yes
NP_071375.1	63922	27501458	CHTF18	chromosome transmission fidelity protein 18 homolog [Homo sapiens]	S871	0.96	1.33	VENSPQVDGsPPGLEGLLGGIGEK	1	1	3	0	2ﾗTMT6plex [N-Term; K24]; 1ﾗDeamidated [Q6(98.2)]; 1ﾗPhospho [S10(100)]	Q6(Deamidated): 98.17; S10(Phospho): 100	S(4): 0.0; S(10): 100.0	NSPQVDGsPPGLEGL	S10;	High	2888.469456					1	1	38.12	High	0.1842	3.309396029	High	0.0363	Yes
NP_778253.2	374454	194018511	KRT77	keratin, type II cytoskeletal 1b [Homo sapiens]	S60		0.45	sLYNLGGSR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [N4(100)]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100; N4(Deamidated): 100	S(1): 100.0; Y(3): 0.0; S(8): 0.0	GRGFGSRsLYNLGGS	S1;	High	1276.613599						1	38.1	High	0.6842	3.165131569	High	0.1735	No
NP_006691.1	10906	5729828	TRAFD1	TRAF-type zinc finger domain-containing protein 1 [Homo sapiens]	S415	0.99	0.77	LDSQPQETsPELPR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S9(100)]	S9(Phospho): 99.99	S(3): 0.0; T(8): 0.0; S(9): 100.0	DSQPQETsPELPRRR	S9;	High	1905.915654					1	1	38.09	High	0.1842	4.380788803	High	0.0274	Yes
NP_000997.1	6189	4506723	RPS3A	40S ribosomal protein S3a isoform 1 [Homo sapiens]	S263	0.81	1.19	ADGYEPPVQEsV	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q9(100)]; 1ﾗPhospho [S11(100)]	Q9(Deamidated): 100; S11(Phospho): 100	Y(4): 0.0; S(11): 100.0	YEPPVQEsV_	S11;	High	1600.698116					1	1	38.09	High	1	3.033597708	High	0.6865	Yes
NP_001248337.1	8412	387157906	BCAR3	breast cancer anti-estrogen resistance protein 3 isoform 1 [Homo sapiens]	S375	1.64	1.49	TGSEPALsPAVVR	1	3	11	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S8(Phospho): 100	T(1): 0.0; S(3): 0.0; S(8): 100.0	TGSEPALsPAVVRRV	S8;	High	1592.824654	23.95	5.66	123.6	20.9	6	6	38.08	High	0.9474	4.391290665	High	0.4852	Yes
NP_001131024.1	9208	212276096	LRRFIP1	leucine-rich repeat flightless-interacting protein 1 isoform 3 [Homo sapiens]	S733	1.16	0.97	SEDADRCTLPEHEsPSQDISDACEAESTER	1	3	6	1	1ﾗTMT6plex [N-Term]; 2ﾗCarbamidomethyl [C7; C23]; 1ﾗPhospho [S14(97.6)]	S14(Phospho): 97.58	S(1): 0.0; T(8): 0.0; S(14): 97.6; S(16): 2.4; S(20): 0.0; S(27): 0.0; T(28): 0.0	CTLPEHEsPSQDISD	S14;	High	3730.531938	4.81	0.72	7.9	1	2	2	38.07	High	0.1579	6.22063303	High	0.0579	Yes
NP_002705.2	5514	25777671	PPP1R10	serine/threonine-protein phosphatase 1 regulatory subunit 10 [Homo sapiens]	T256	1.32	0.99	QSNVAAPGDAtPPAEK	1	1	2	0	2ﾗTMT6plex [N-Term; K16]; 1ﾗPhospho [T11(100)]	T11(Phospho): 100	S(2): 0.0; T(11): 100.0	VAAPGDAtPPAEKKY	T11;	High	2091.052371					1	1	38.07	High	0.9474	4.741297245	High	0.5274	Yes
NP_000312.2	5925	108773787	RB1	retinoblastoma-associated protein [Homo sapiens]	S249	1.02	1.03	TAVIPINGsPR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	T(1): 0.0; S(9): 100.0	AVIPINGsPRTPRRG	S9;	High	1433.771496					1	1	38.07	High	1	3.071860075	High	0.658	Yes
NP_001737.1	821	10716563	CANX	calnexin precursor [Homo sapiens]	S554; S564	0.55	5.96	QKsDAEEDGGTVsQEEEDR	1	1	2	1	2ﾗTMT6plex [N-Term; K2]; 2ﾗPhospho [S3(100); S13(100)]	S3(Phospho): 100; S13(Phospho): 99.97	S(3): 100.0; T(11): 0.0; S(13): 100.0	KLEEKQKsDAEEDGG;EEDGGTVsQEEEDRK	S3; S13;	High	2727.14358					1	1	38.06	High	0.2632	4.734260082	High	0.3996	Yes;Yes
NP_004689.1	9129	4758556	PRPF3	U4/U6 small nuclear ribonucleoprotein Prp3 [Homo sapiens]	S619	1.48	1.33	WDEQTSNTKGDDDEEsDEEAVK	1	1	2	1	3ﾗTMT6plex [N-Term; K9; K22]; 1ﾗPhospho [S16(100)]	S16(Phospho): 100	T(5): 0.0; S(6): 0.0; T(8): 0.0; S(16): 100.0	KGDDDEEsDEEAVKK	S16;	High	3294.477797					1	1	38.05	High	0.6053	4.813529015	High	0.3056	Yes
NP_055453.2	9651	78499633	PLCH2	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase eta-2 isoform 1 [Homo sapiens]	S1279	1.82	2.32	RLSHsLGLPGGTR	1	1	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(3): 0.0; S(5): 100.0; T(12): 0.0	GSRRLSHsLGLPGGT	S5;	High	1659.88932	4.95	19.66	12.8	71.9	2	2	38.03	High	0.2105	4.91272974	High	0.167	Yes
NP_006759.3	8315	188497705	BRAP	BRCA1-associated protein [Homo sapiens]	S97	1.39	1.32	KSSEAsPTAQR	1	1	2	1	2ﾗTMT6plex [N-Term; K]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(2): 0.0; S(3): 0.0; S(6): 100.0; T(8): 0.0	ERKSSEAsPTAQRSK	S6;	High	1699.878035					1	1	38.03	High	0.3158	3.566631079	High	0.0812	Yes
NP_061945.1	54557	24308141	SGTB	small glutamine-rich tetratricopeptide repeat-containing protein beta [Homo sapiens]	S297	1.45	1.6	SFsSSAEEHS	1	1	7	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; S(4): 0.0; S(5): 0.0; S(10): 0.0	HIRSRSFsSSAEEHS	S3;	High	1376.556871					1	1	38.02	High	0.2895	3.189314365	High	0.0282	Yes
NP_036222.3	23499	33188445	MACF1	microtubule-actin cross-linking factor 1 [Homo sapiens]	S1860	0.51	0.28	QGsFSEDVISHK	1	1	4	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; S(10): 0.0	SLLKRQGsFSEDVIS	S3;	High	1871.930465					1	1	38.01	High	0.2368	5.490163326	High	0.0437	No
NP_001249.1	1018	4557439	CDK3	cyclin-dependent kinase 3 [Homo sapiens]	T14; Y15	0.57	0.66	IGEGtyGVVYK	1	7	4	0	2ﾗTMT6plex [N-Term; K11]; 2ﾗPhospho [T5(100); Y6(100)]	T5(Phospho): 100; Y6(Phospho): 100	T(5): 100.0; Y(6): 100.0; Y(10): 0.0	VEKIGEGtYGVVYKA;EKIGEGTyGVVYKAK	T5; Y6;	High	1803.873541	14.94	2.9	12	2.7	2	2	38.01	High	0.5526	4.462260246	High	0.3049	Yes;Yes
NP_073568.2	64710	56118310	NUCKS1	nuclear ubiquitous casein and cyclin-dependent kinase substrate 1 [Homo sapiens]	S58; S61	1.57	1.53	NSQEDsEDsEDKDVK	1	1	3	1	3ﾗTMT6plex [N-Term; K12; K15]; 2ﾗPhospho [S6(100); S9(100)]	S6(Phospho): 100; S9(Phospho): 100	S(2): 0.0; S(6): 100.0; S(9): 100.0	GKNSQEDsEDSEDKD;SQEDSEDsEDKDVKT	S6; S9;	High	2572.13078	2.05	9.09	4.5	19.9	2	2	38.01	High	0.6579	4.401917934	High	0.4818	Yes;Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S93	1.25	0.75	RAHSPASTLPNsPGSTFER	1	1	8	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S12(100)]	S12(Phospho): 100	S(4): 0.0; S(7): 0.0; T(8): 0.0; S(12): 100.0; S(15): 0.0; T(16): 0.0	PASTLPNsPGSTFER	S12;	High	2321.123689	8.44	5.15	21.4	7.7	4	4	37.99	High	0.4474	7.44516468	High	0.102	Yes
NP_958431.2	23164	50980301	MPRIP	myosin phosphatase Rho-interacting protein isoform 2 [Homo sapiens]	S365	1.45	0.6	DFTNEAPPAPLPDASASPLsPHRR	1	2	8	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S20(100)]	S20(Phospho): 99.98	T(3): 0.0; S(15): 0.0; S(17): 0.0; S(20): 100.0	DASASPLsPHRRAKS	S20;	High	2852.392987	6.24	32.93	12.9	28.6	2	2	37.96	High	0.1316	7.513703346	High	0.0399	Yes
NP_066960.1	7126	10863937	TNFAIP1	BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 2 [Homo sapiens]	S280	0.48	0.78	SQASPsEDEETFELR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 99.99	S(1): 0.0; S(4): 0.0; S(6): 100.0; T(11): 0.0	SRSQASPsEDEETFE	S6;	High	2033.890227					1	1	37.95	High	0.3421	3.005626917	High	0.1827	Yes
NP_003709.3	8621	145309302	CDK13	cyclin-dependent kinase 13 isoform 1 [Homo sapiens]	T1246	1	0.83	ILELtPEPDRPR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T5(100)]	T5(Phospho): 100	T(5): 100.0	DMRILELtPEPDRPR	T5;	High	1744.919617	18.12	13.23	26.1	15.5	2	2	37.94	High	1	4.741467476	High	0.6561	Yes
NP_115664.2	84248	42716295	FYTTD1	UAP56-interacting factor isoform 1 [Homo sapiens]	S16	0.74	0.93	LVGATATSsPPPK	1	1	17	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S/T]	S9(Phospho): 98.89	T(5): 0.0; T(7): 0.0; S(8): 1.1; S(9): 98.9	VGATATSsPPPKARS	S9;	High	1763.970873	24.27	1.96	37.4	3.6	4	4	37.93	High	0.2632	3.940756083	High	0.0457	Yes
NP_872363.1	283149	32698936	BCL9L	B-cell CLL/lymphoma 9-like protein [Homo sapiens]	S118	1.98	2.22	SVsVDSGEQR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q9(100)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100; Q9(Deamidated): 100	S(1): 0.0; S(3): 100.0; S(6): 0.0	VKRDRSVsVDSGEQR	S3;	High	1373.614721					1	1	37.93	High	0.5789	2.62092948	High	0.2252	Yes
NP_778236.2	317781	154759257	DDX51	ATP-dependent RNA helicase DDX51 [Homo sapiens]	S83	1.71	1.37	RVNDAEPGsPEAPQGK	1	1	4	1	2ﾗTMT6plex [N-Term; K16]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	VNDAEPGsPEAPQGK	S9;	High	2190.095633	14.93	10.75	37.2	21	2	2	37.9	High	1	6.074017048	High	0.6705	Yes
NP_277050.2	93663	39932589	ARHGAP18	rho GTPase-activating protein 18 [Homo sapiens]	T158	1.99	1.17	RVETVSQtLR	1	1	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T8(99.5)]	T8(Phospho): 99.47	T(4): 0.0; S(6): 0.5; T(8): 99.5	RVETVSQtLRKKNKQ	T8;	High	1497.798774					1	1	37.85	High	0.2368	4.433662415	High	0.1016	Yes
NP_000923.1	5331	11386139	PLCB3	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3 isoform 1 [Homo sapiens]	S1105	3.48	2.38	HNsISEAK	1	2	5	0	2ﾗTMT6plex [N-Term; K8]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0	LDRKRHNsISEAKMR	S3;	High	1423.734666	4.31	6.06	21.4	20.6	2	2	37.85	High	0.4211	3.998172522	High	0.2075	Yes
NP_001138230.1	23187	221219024	PHLDB1	pleckstrin homology-like domain family B member 1 isoform a [Homo sapiens]	S223	0.93	1.32	KPAATSPLsPMANGGR	1	2	2	0	2ﾗTMT6plex [N-Term; K]; 1ﾗOxidation [M11(100)]; 1ﾗDeamidated [N13(100)]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100; M11(Oxidation): 100; N13(Deamidated): 100	T(5): 0.0; S(6): 0.0; S(9): 100.0	PAATSPLsPMANGGR	S9;	High	2110.076812					1	1	37.85	High	0.2105	2.977725744	High	0.198	Yes
NP_059344.1	10458	9257197	BAIAP2	brain-specific angiogenesis inhibitor 1-associated protein 2 isoform 1 [Homo sapiens]	T340	0.6	0.84	LSDSYSNtLPVR	1	4	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T8(100)]	T8(Phospho): 100	S(2): 0.0; S(4): 0.0; Y(5): 0.0; S(6): 0.0; T(8): 100.0	LSDSYSNtLPVRKSV	T8;	High	1660.814483	8.01	4.43	6.8	5.3	2	2	37.83	High	0.5	3.361293077	High	0.2202	Yes
NP_694988.3	254427	223633935	PROSER2	proline and serine-rich protein 2 [Homo sapiens]	S43	2.16	2.61	sFTLDDESLK	1	1	2	0	2ﾗTMT6plex [N-Term; K10]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(3): 0.0; S(8): 0.0	SSSSRSRsFTLDDES	S1;	High	1692.849755					1	1	37.82	High	0.5526	3.671703339	High	0.158	Yes
NP_001750.1	894	4502617	CCND2	G1/S-specific cyclin-D2 [Homo sapiens]	S271	0.88	0.67	DGSKsEDELDQASTPTDVR	1	1	3	1	2ﾗTMT6plex [N-Term; K4]; 1ﾗPhospho [S5(100)]	S5(Phospho): 99.98	S(3): 0.0; S(5): 100.0; S(13): 0.0; T(14): 0.0; T(16): 0.0	DQRDGSKsEDELDQA	S5;	High	2588.212906					1	1	37.77	High	0.0789	5.442197323	High	0.0386	Yes
NP_006485.2	2077	156104872	ERF	ETS domain-containing transcription factor ERF isoform 1 [Homo sapiens]	T526	3.14	1.47	VRGEGPGEAGGPLtPR	1	2	4	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T14(100)]	T14(Phospho): 100	T(14): 100.0	GEAGGPLtPRRVSSD	T14;	High	1858.937392	4.57	6.69	20.5	14	2	2	37.74	High	1	4.156312466	High	0.6731	Yes
NP_062538.5	56254	34878777	RNF20	E3 ubiquitin-protein ligase BRE1A [Homo sapiens]	S138	1.64	1.28	KALVVPEPEPDSDsNQER	1	1	3	1	2ﾗTMT6plex [N-Term; K]; 1ﾗPhospho [S14(100)]	S14(Phospho): 100	S(12): 0.0; S(14): 100.0	EPEPDSDsNQERKDD	S14;	High	2548.269634					1	1	37.73	High	0.3158	5.729944229	High	0.0471	Yes
NP_009134.1	445815	6005709	PALM2-AKAP2	PALM2-AKAP2 protein isoform 1 [Homo sapiens]	S951	2.59	0.96	TLsMIEEEIR	1	5	5	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M4(100)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100; M4(Oxidation): 100	T(1): 0.0; S(3): 100.0	SRKQRTLsMIEEEIR	S3;	High	1545.743292	1.07	5.63	3.9	7.6	2	2	37.73	High	0.6842	3.201308012	High	0.1781	No
NP_002009.1	2314	4503743	FLII	protein flightless-1 homolog isoform 1 [Homo sapiens]	S856	1.14	1.26	NAEAVLQsPGLSGK	1	3	2	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗDeamidated [Q7(100)]; 1ﾗPhospho [S8(100)]	Q7(Deamidated): 100; S8(Phospho): 100	S(8): 100.0; S(12): 0.0	NAEAVLQsPGLSGKV	S8;	High	1910.00363					1	1	37.72	High	0.3947	3.049195528	High	0.3213	Yes
NP_005487.3	10051	50658065	SMC4	structural maintenance of chromosomes protein 4 isoform 1 [Homo sapiens]	S28	0.9	1.2	EEGPPPPSPDGASsDAEPEPPSGR	1	2	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S14(98.5)]	S14(Phospho): 98.54	S(8): 0.0; S(13): 1.5; S(14): 98.5; S(22): 0.0	PSPDGASsDAEPEPP	S14;	High	2668.161316					1	1	37.71	High	0.0789	3.961885214	High	0.0328	Yes
NP_057480.2	51496	100815975	CTDSPL2	CTD small phosphatase-like protein 2 [Homo sapiens]	S165	1.34	1.73	NGTSGSDsPGQAVEAEEIVK	1	1	5	0	2ﾗTMT6plex [N-Term; K20]; 1ﾗPhospho [S8(100)]	S8(Phospho): 99.97	T(3): 0.0; S(4): 0.0; S(6): 0.0; S(8): 100.0	NGTSGSDsPGQAVEA	S8;	High	2513.217264					1	1	37.66	High	1	4.804366112	High	0.0979	Yes
NP_001005731.1	3691	54607033	ITGB4	integrin beta-4 isoform 3 precursor [Homo sapiens]	S1447; S1448	0.78	1.26	DYSTLTSVssHDSR	1	2	5	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S9(98.5); S10(98.5)]	S9(Phospho): 98.47; S10(Phospho): 100	Y(2): 0.0; S(3): 0.0; T(4): 0.0; T(6): 0.0; S(7): 1.5; S(9): 98.5; S(10): 100.0; S(13): 0.0	YSTLTSVsSHDSRLT;STLTSVSsHDSRLTA	S9; S10;	High	1943.798649	30.84	107.19	34.9	615.3	2	2	37.65	High	0.2105	4.484026432	High	0.0513	No;Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S429	0.68	1.42	RFsEGVLQSPSQDQEK	1	1	2	1	2ﾗTMT6plex [N-Term; K16]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(9): 0.0; S(11): 0.0	SLVQRRFsEGVLQSP	S3;	High	2373.185176					1	1	37.64	High	0.5789	4.124152184	High	0.3471	Yes
NP_055313.1	27333	7657138	GOLIM4	Golgi integral membrane protein 4 isoform 1 [Homo sapiens]	T640	0.98	1.44	ELEHNAEEtYGENDENTDDKNNDGEEQEVR	1	2	3	1	2ﾗTMT6plex [N-Term; K20]; 1ﾗPhospho [T9(100)]	T9(Phospho): 100	T(9): 100.0; Y(10): 0.0; T(17): 0.0	LEHNAEEtYGENDEN	T9;	High	4060.720549					1	1	37.6	High	0.2368	6.64034605	High	0.0211	No
NP_001287750.1	1975	664805999	EIF4B	eukaryotic translation initiation factor 4B isoform 1 [Homo sapiens]	S509	2.09	1.05	SQSSDTEQQsPTSGGGK	1	2	2	0	2ﾗTMT6plex [N-Term; K17]; 1ﾗDeamidated [Q2(100)]; 1ﾗPhospho [S10(100)]	Q2(Deamidated): 100; S10(Phospho): 100	S(1): 0.0; S(3): 0.0; S(4): 0.0; T(6): 0.0; S(10): 100.0; T(12): 0.0; S(13): 0.0	SSDTEQQsPTSGGGK	S10;	High	2220.006937					1	1	37.6	High	0.4211	3.113295555	High	0.09	No
NP_877499.1	55117	33354281	SLC6A15	sodium-dependent neutral amino acid transporter B(0)AT2 isoform 1 [Homo sapiens]	S699; S701	1.34	0.63	KQsGsPTLDTAPNGR	1	2	2	1	2ﾗTMT6plex [N-Term; K]; 1ﾗDeamidated [N13(100)]; 2ﾗPhospho [S3(100); S5(100)]	S3(Phospho): 100; S5(Phospho): 100; N13(Deamidated): 100	S(3): 100.0; S(5): 100.0; T(7): 0.0; T(10): 0.0	KNIYRKQsGSPTLDT;IYRKQSGsPTLDTAP	S3; S5;	High	2148.013951					1	1	37.56	High	0.1316	2.860800743	High	0.2692	Yes;Yes
NP_777567.1	151987	28372531	PPP4R2	serine/threonine-protein phosphatase 4 regulatory subunit 2 [Homo sapiens]	S159	0.97	1.05	MNGVMFPGNsPSYTER	1	1	2	0	1ﾗTMT6plex [N-Term]; 2ﾗOxidation [M1(100); M5(100)]; 1ﾗPhospho [S10(100)]	M1(Oxidation): 100; M5(Oxidation): 100; S10(Phospho): 100	S(10): 100.0; S(12): 0.0; Y(13): 0.0; T(14): 0.0	GVMFPGNsPSYTERS	S10;	High	2127.907808					1	1	37.53	High	0.3421	5.923244953	High	0.0794	Yes
NP_932343.1	148423	37620206	C1orf52	UPF0690 protein C1orf52 [Homo sapiens]	S158	2.21	0.65	LLPEGEETLEsDDEKDEHTSK	1	1	3	1	3ﾗTMT6plex [N-Term; K15; K21]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	T(8): 0.0; S(11): 100.0; T(19): 0.0; S(20): 0.0	EGEETLEsDDEKDEH	S11;	High	3168.544026					1	1	37.52	High	0.1053	7.206963539	High	0.1221	Yes
NP_037431.3	29901	118918405	SAC3D1	SAC3 domain-containing protein 1 [Homo sapiens]	S356	1.22	0.89	TLEEVVMAEEEDEGTDRPGsPA	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M7(100)]; 1ﾗPhospho [S20(97.5)]	M7(Oxidation): 100; S20(Phospho): 97.49	T(1): 0.0; T(15): 2.5; S(20): 97.5	EGTDRPGsPA_	S20;	High	2686.164018					1	1	37.51	High	0.2895	3.221670866	High	0.146	No
NP_001059.2	7155	19913408	TOP2B	DNA topoisomerase 2-beta [Homo sapiens]	S1547	1.01	1.56	ASGsENEGDYNPGR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 99.99	S(2): 0.0; S(4): 100.0; Y(10): 0.0	KKRKASGsENEGDYN	S4;	High	1761.727853					1	1	37.5	High	0.1579	3.166589499	High	0.0852	No
NP_054706.1	7414	7669550	VCL	vinculin isoform meta-VCL [Homo sapiens]	S290	0.31	0.85	DPSAsPGDAGEQAIR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(3): 0.0; S(5): 100.0	WLRDPSAsPGDAGEQ	S5;	High	1779.811188					1	1	37.49	High	0.2973	3.184863091	High	0.2075	Yes
NP_001138295.1	10260	221307568	DENND4A	C-myc promoter-binding protein isoform 1 [Homo sapiens]	S1058	0.89	0.71	HKsDNETNLQQQVVWGNR	1	2	2	1	2ﾗTMT6plex [N-Term; K2]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(7): 0.0	CFRKRHKsDNETNLQ	S3;	High	2691.340447					1	1	37.48	High	0.4595	5.89388752	High	0.1766	No
NP_110418.1	81537	13540569	SGPP1	sphingosine-1-phosphate phosphatase 1 [Homo sapiens]	S112	0.42	1.13	NsLTGEEGQLAR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; T(4): 0.0	AGALRRNsLTGEEGQ	S2;	High	1583.762782					1	1	37.47	High	0.2973	3.607374907	High	0.2604	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S2692	0.92	1.32	SLsYSPVER	1	1	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; Y(4): 0.0; S(5): 0.0	LRDSRSLsYSPVERR	S3;	High	1346.655463					1	1	37.45	High	0.5946	3.273294449	High	0.0092	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_001185537.1	9053	310750348	MAP7	ensconsin isoform 1 [Homo sapiens]	S205	0.2	9.07	SVsTMNLSK	1	6	2	0	2×TMT6plex [N-Term; K9]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; T(4): 0.0; S(8): 0.0	DPDRRSVsTMNLSKY	S3;	High	1504.784652					1	1	37.45	High	0.3243	3.134019852	High	0.1118	No
NP_056060.2	23294	140161500	ANKS1A	ankyrin repeat and SAM domain-containing protein 1A [Homo sapiens]	S626	0.7	0.62	SLSKsDSDLLTCSPTEDATMGSR	1	1	3	1	2×TMT6plex [N-Term; K4]; 1×Carbamidomethyl [C12]; 1×Oxidation [M20(100)]; 1×Phospho [S5(98)]	S5(Phospho): 97.96; M20(Oxidation): 100	S(1): 0.0; S(3): 2.0; S(5): 98.0; S(7): 0.0; T(11): 0.0; S(13): 0.0; T(15): 0.0; T(19): 0.0; S(22): 0.0	LSRSLSKsDSDLLTC	S5;	High	3012.394318					1	1	37.43	High	0.0811	3.726652384	High	0.0483	Yes
NP_003147.2	6786	21070997	STIM1	stromal interaction molecule 1 isoform 2 precursor [Homo sapiens]	S512	0.79	0.96	LTEPQHGLGsQR	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [S10(100)]	S10(Phospho): 100	T(2): 0.0; S(10): 100.0	EPQHGLGsQRDLTHS	S10;	High	1631.810401					1	1	37.42	High	0.973	3.323881626	High	0.6205	Yes
NP_004454.2	2245	24797153	FGD1	FYVE, RhoGEF and PH domain-containing protein 1 [Homo sapiens]	S116	0.88	1.1	SLsLDPGQSLEPHPEGPQR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.98	S(1): 0.0; S(3): 100.0; S(9): 0.0	RILVKSLsLDPGQSL	S3;	High	2353.13867					1	1	37.41	High	0.2432	3.942228794	High	0.0609	Yes
NP_005390.1	5565	4885561	PRKAB2	5'-AMP-activated protein kinase subunit beta-2 [Homo sapiens]	S183	0.96	0.44	DLSsSPPGPYGQEMYAFR	1	1	3	0	1×TMT6plex [N-Term]; 1×Oxidation [M14(100)]; 1×Phospho [S4(97.1)]	S4(Phospho): 97.12; M14(Oxidation): 100	S(3): 1.4; S(4): 97.1; S(5): 1.4; Y(10): 0.0; Y(15): 0.0	TSCRDLSsSPPGPYG	S4;	High	2327.025281					1	1	37.41	High	0.0541	3.128090382	High	0.0224	Yes
NP_060537.3	55700	78042577	MAP7D1	MAP7 domain-containing protein 1 isoform 1 [Homo sapiens]	S742	0.74	1.39	EANANGSsPEPVK	1	3	9	0	2×TMT6plex [N-Term; K13]; 1×Deamidated [N5(100)]; 1×Phospho [S8(98.9)]	N5(Deamidated): 99.99; S8(Phospho): 98.94	S(7): 1.1; S(8): 98.9	EANANGSsPEPVKAV	S8;	High	1838.893745	9.18	15.44	9.6	31.1	2	2	37.41	High	0.027	2.905417204	High	0.0137	Yes
NP_001003.1	6202	4506743	RPS8	40S ribosomal protein S8 [Homo sapiens]	S160	1.13	1.15	ISsLLEEQFQQGK	1	1	3	0	2×TMT6plex [N-Term; K13]; 1×Phospho [S3(99.1)]	S3(Phospho): 99.1	S(2): 0.9; S(3): 99.1	KKNAKISsLLEEQFQ	S3;	High	2045.072044					1	1	37.37	High	0.1351	3.599957466	High	0.0278	Yes
NP_005572.2	4059	31543106	BCAM	basal cell adhesion molecule isoform 1 precursor [Homo sapiens]	S621	0.62	0.75	GGsGGFGDEC	1	1	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C10]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	SGGARGGsGGFGDEC	S3;	High	1251.455049					1	1	37.37	High	1	3.150820255	High	0.8921	Yes
NP_056450.2	26130	51093832	GAPVD1	GTPase-activating protein and VPS9 domain-containing protein 1 isoform 4 [Homo sapiens]	S929	1.83	2.29	SRsSDIVSSVR	1	4	3	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.1	S(1): 0.9; S(3): 99.1; S(4): 0.0; S(8): 0.0; S(9): 0.0	ERLVRSRsSDIVSSV	S3;	High	1501.757303	0.19	0.74	0.5	2.4	2	2	37.35	High	0.2973	4.946648121	High	0.099	No
NP_006132.1	1783	5453634	DYNC1LI2	cytoplasmic dynein 1 light intermediate chain 2 isoform 1 [Homo sapiens]	S194	0.72	1.1	DFQDYMEPEEGCQGsPQRR	1	2	4	1	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C12]; 1×Oxidation [M6(100)]; 1×Phospho [S15(100)]	M6(Oxidation): 100; S15(Phospho): 100	Y(5): 0.0; S(15): 100.0	PEEGCQGsPQRRGPL	S15;	High	2654.084997	13.62	8.01	14	12.5	2	2	37.34	High	1	4.607504845	High	0.3839	Yes
NP_001290185.1	22880	735997387	MORC2	MORC family CW-type zinc finger protein 2 isoform 1 [Homo sapiens]	S743	1.14	1.14	SVAVsDEEEVEEEAERR	1	3	2	1	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; S(5): 100.0	RKRSVAVsDEEEVEE	S5;	High	2272.017946					1	1	37.34	High	0.5135	4.548699856	High	0.2066	Yes
NP_055740.3	22864	162951884	R3HDM2	R3H domain-containing protein 2 [Homo sapiens]	S349	2.39	2.23	ASsFSGISILTR	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(2): 0.0; S(3): 100.0; S(5): 0.0; S(8): 0.0; T(11): 0.0	PPVTKASsFSGISIL	S3;	High	1547.80319					1	1	37.34	High	0.2432	3.809002638	High	0.0499	Yes
NP_997006.1	2549	46370071	GAB1	GRB2-associated-binding protein 1 isoform a [Homo sapiens]	S547	1.11	1.78	TDsQTIGDFATR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; T(5): 0.0; T(11): 0.0	HGLERTDsQTIGDFA	S3;	High	1620.746797					1	1	37.34	High	0.3784	3.190700293	High	0.1944	Yes
NP_006259.1	5977	5454004	DPF2	zinc finger protein ubi-d4 [Homo sapiens]	S142	4.1	1.56	GAPDPRVDDDsLGEFPVTNSR	1	1	3	1	1×TMT6plex [N-Term]; 1×Phospho [S11(100)]	S11(Phospho): 100	S(11): 100.0; T(18): 0.0; S(20): 0.0	DPRVDDDsLGEFPVT	S11;	High	2553.181992	7.16	6.37	43.4	14.1	2	2	37.31	High	0.7027	3.676914454	High	0.2745	Yes
NP_612157.1	90780	23510333	PYGO2	pygopus homolog 2 [Homo sapiens]	T302	1.07	1.36	GGGtPDANSLAPPGK	1	1	2	0	2×TMT6plex [N-Term; K15]; 1×Phospho [T4(100)]	T4(Phospho): 100	T(4): 100.0; S(9): 0.0	SSGRGGGtPDANSLA	T4;	High	1876.957014					1	1	37.29	High	0.6216	5.038005829	High	0.3036	Yes
NP_061918.3	54521	45238858	WDR44	WD repeat-containing protein 44 isoform 1 [Homo sapiens]	S50	0.53	1.26	VGNEsPVQELK	1	2	2	0	2×TMT6plex [N-Term; K11]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	AYKVGNEsPVQELKQ	S5;	High	1737.918838					1	1	37.29	High	0.973	3.731832266	High	0.6354	Yes
NP_060468.2	55071	157388941	C9orf40	uncharacterized protein C9orf40 [Homo sapiens]	S76	1.77	3.37	RDsGDNSAPSGQER	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(7): 0.0; S(10): 0.0	SPSKRRDsGDNSAPS	S3;	High	1784.7762					1	1	37.28	High	0.8378	3.637826443	High	0.3681	Yes
NP_006603.2	10749	40254834	KIF1C	kinesin-like protein KIF1C [Homo sapiens]	S674	0.83	0.72	LYADsDSGDDSDKR	1	1	3	1	2×TMT6plex [N-Term; K13]; 1×Phospho [S5(100)]	S5(Phospho): 99.99	Y(2): 0.0; S(5): 100.0; S(7): 0.0; S(11): 0.0	QQRLYADsDSGDDSD	S5;	High	2081.94288					1	1	37.27	High	0.2432	3.695364475	High	0.0378	Yes
NP_001289958.1	11187	732663005	PKP3	plakophilin-3 isoform PKP3b [Homo sapiens]	T101	1.22	0.81	GQYHtLQAGFSSR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [T5(100)]	T5(Phospho): 100	Y(3): 0.0; T(5): 100.0; S(11): 0.0; S(12): 0.0	TSRGQYHtLQAGFSS	T5;	High	1760.831864					1	1	37.26	High	0.6216	4.074124336	High	0.2899	No
NP_003852.1	8816	55741849	DCAF5	DDB1- and CUL4-associated factor 5 isoform 1 [Homo sapiens]	S794	1.17	1.19	AEEPPsPPVPK	1	3	6	0	2×TMT6plex [N-Term; K11]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	SRAEEPPsPPVPKAS	S6;	High	1685.89156	5.18	9.51	10.5	19.8	3	3	37.26	High	0.8649	3.532471418	High	0.4164	Yes
NP_001104792.1	79039	164419743	DDX54	ATP-dependent RNA helicase DDX54 isoform 1 [Homo sapiens]	S782	2.03	0.56	IDDRDsDEEGASDR	1	2	4	1	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(12): 0.0	QKIDDRDsDEEGASD	S6;	High	1888.775925	7.36	35.15	21.4	28.4	2	2	37.25	High	0.5405	5.121510029	High	0.2637	Yes
NP_005110.2	9967	167234419	THRAP3	thyroid hormone receptor-associated protein 3 [Homo sapiens]	S211	0.96	1.83	EQTFSGGTsQDTK	1	1	3	0	2×TMT6plex [N-Term; K13]; 1×Phospho [S9(100)]	S9(Phospho): 99.95	T(3): 0.0; S(5): 0.0; T(8): 0.0; S(9): 100.0; T(12): 0.0	QTFSGGTsQDTKASE	S9;	High	1923.910123					1	1	37.23	High	0.1892	3.186446905	High	0.0282	Yes
NP_056130.2	23367	39725634	LARP1	la-related protein 1 [Homo sapiens]	S689; S697	0.93	0.55	LFGAPEPSTIARsLPTTVPEsPNYR	1	1	10	1	1×TMT6plex [N-Term]; 2×Phospho [S13(95.6); S21(100)]	S13(Phospho): 100; S21(Phospho): 100	S(8): 0.0; T(9): 0.0; S(13): 100.0; T(16): 0.0; T(17): 0.0; S(21): 100.0; Y(24): 0.0	EPSTIARsLPTTVPE;LPTTVPEsPNYRNTR	S13; S21;	High	3089.494749					1	1	37.22	High	0.2162	6.140761852	High	0.0261	No;No
NP_006729.4	11214	31563330	AKAP13	A-kinase anchor protein 13 isoform 1 [Homo sapiens]	S2732	1.21	0.56	SGSLDSELSVsPK	1	3	4	0	2×TMT6plex [N-Term; K13]; 1×Phospho [S11(100)]	S11(Phospho): 100	S(1): 0.0; S(3): 0.0; S(6): 0.0; S(9): 0.0; S(11): 100.0	LDSELSVsPKRNSIS	S11;	High	1843.945446	9.69	5.84	16.7	4.6	2	2	37.21	High	0.3243	4.715459824	High	0.1674	No
NP_079033.4	79813	224465233	EHMT1	histone-lysine N-methyltransferase EHMT1 isoform 1 [Homo sapiens]	S483	0.7	1.8	SSAGSAEQTAPGDSTGYMEVsLDSLDLR	1	2	2	0	1×TMT6plex [N-Term]; 1×Oxidation [M18(100)]; 1×Phospho [S21(99.8)]	M18(Oxidation): 100; S21(Phospho): 99.8	S(1): 0.0; S(2): 0.0; S(5): 0.0; T(9): 0.0; S(14): 0.0; T(15): 0.0; Y(17): 0.0; S(21): 99.8; S(24): 0.2	STGYMEVsLDSLDLR	S21;	High	3169.408164					1	1	37.2	High	0.1351	3.311071157	High	0.0906	Yes
NP_001005731.1	3691	54607033	ITGB4	integrin beta-4 isoform 3 precursor [Homo sapiens]	S809	0.92	0.99	VTNNMQRPGFATHAAsINPTELVPYGLSLR	1	3	6	0	1×TMT6plex [N-Term]; 1×Oxidation [M5(100)]; 1×Phospho [S16(100)]	M5(Oxidation): 100; S16(Phospho): 100	T(2): 0.0; T(12): 0.0; S(16): 100.0; T(20): 0.0; Y(25): 0.0; S(28): 0.0	GFATHAAsINPTELV	S16;	High	3579.798068	31.26	8.08	42.4	11.4	2	2	37.19	High	0.5946	7.305785656	High	0.1532	No
NP_056069.2	23303	46852172	KIF13B	kinesin-like protein KIF13B [Homo sapiens]	S1381	0.61	0.47	RSIsSPNVNR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S4(99.1)]	S4(Phospho): 99.07	S(2): 0.9; S(4): 99.1; S(5): 0.0	KLSRRSIsSPNVNRL	S4;	High	1438.736508					1	1	37.19	High	0.3514	3.387967825	High	0.1239	Yes
NP_055478.2	9682	98986459	KDM4A	lysine-specific demethylase 4A [Homo sapiens]	S523	0.87	0.8	DSISsDSETSEPLSCR	1	1	4	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C15]; 1×Phospho [S5(100)]	S5(Phospho): 98.52	S(2): 0.0; S(4): 0.0; S(5): 98.5; S(7): 1.5; T(9): 0.0; S(10): 0.0; S(14): 0.0	SSRDSISsDSETSEP	S5;	High	2078.878676	11.85	7.17	14.6	8.2	2	2	37.19	High	0.2432	3.349040747	High	0.003	Yes
NP_006133.1	2810	5454052	SFN	14-3-3 protein sigma [Homo sapiens]	S248	0.5		DNLTLWTADNAGEEGGEAPQEPQs	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S24(100)]	S24(Phospho): 100	T(4): 0.0; T(7): 0.0; S(24): 100.0	EAPQEPQs_	S24;	High	2838.230458					1		37.18	High	0.5135	3.061326265	High	0.4706	Yes
NP_001073881.2	253461	148276990	ZBTB38	zinc finger and BTB domain-containing protein 38 [Homo sapiens]	S130	0.88	1.64	NFSNsPGPYVFCITEK	1	1	3	0	2×TMT6plex [N-Term; K16]; 1×Carbamidomethyl [C12]; 1×Phospho [S5(99.1)]	S5(Phospho): 99.08	S(3): 0.9; S(5): 99.1; Y(9): 0.0; T(14): 0.0	TDRNFSNsPGPYVFC	S5;	High	2398.155456					1	1	37.15	High	0.1351	5.12446022	High	0.0254	Yes
NP_056056.2	57553	209862789	MICAL3	protein-methionine sulfoxide oxidase MICAL3 isoform 1 [Homo sapiens]	S685	0.95	0.76	KTsQSEEEEAPR	1	3	4	1	2×TMT6plex [N-Term; K]; 1×Phospho [S3(99.2)]	S3(Phospho): 99.99	T(2): 0.0; S(3): 100.0; S(5): 0.0	AGKRRKTsQSEEEEA	S3;	High	1928.936672					1	1	37.13	High	0.3514	4.080386162	High	0.0392	Yes
NP_001020471.2	201475	106507164	RAB12	ras-related protein Rab-12 [Homo sapiens]	S21	1.2	0.99	AGGGGGLGAGsPALSGGQGR	1	1	2	0	1×TMT6plex [N-Term]; 1×Deamidated [Q18(100)]; 1×Phospho [S11(100)]	S11(Phospho): 100; Q18(Deamidated): 100	S(11): 100.0; S(15): 0.0	GGGLGAGsPALSGGQ	S11;	High	1893.901735					1	1	37.13	High	0.5405	2.918007851	High	0.1849	Yes
NP_001896.2	1503	148491070	CTPS1	CTP synthase 1 isoform a [Homo sapiens]	S575	0.93	2.2	SGSSsPDSEITELK	1	2	2	0	2×TMT6plex [N-Term; K14]; 1×Phospho [S5(99.2)]	S5(Phospho): 99.18	S(1): 0.0; S(3): 0.0; S(4): 0.8; S(5): 99.2; S(8): 0.0; T(11): 0.0	SDRSGSSsPDSEITE	S5;	High	1974.967304					1	1	37.13	High	0.2162	2.567029476	High	0.0389	Yes
NP_849193.1	201595	30578410	STT3B	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B [Homo sapiens]	S498	1.08	1.04	ENPPVEDsSDEDDKR	1	1	3	1	2×TMT6plex [N-Term; K14]; 1×Phospho [S8(100)]	S8(Phospho): 99.99	S(8): 100.0; S(9): 0.0	ENPPVEDsSDEDDKR	S8;	High	2270.022587					1	1	37.06	High	0.2162	3.764409542	High	0.0452	Yes
NP_001092006.1	8078	148727331	USP5	ubiquitin carboxyl-terminal hydrolase 5 isoform 1 [Homo sapiens]	S783	1.71	1.39	SAADsISESVPVGPK	1	2	4	0	2×TMT6plex [N-Term; K15]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; S(5): 100.0; S(7): 0.0; S(9): 0.0	EGRSAADsISESVPV	S5;	High	1982.024759	16.71	10.8	42.1	21.5	2	2	37.05	High	0.4054	4.04325819	High	0.1262	Yes
NP_110382.3	81542	151101292	TMX1	thioredoxin-related transmembrane protein 1 precursor [Homo sapiens]	S270	0.94	1.86	sLGPSLATDKS	1	1	2	1	2×TMT6plex [N-Term; K10]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(5): 0.0; T(8): 0.0; S(11): 0.0	QNAIRQRsLGPSLAT	S1;	High	1613.855175					1	1	37.05	High	0.8378	2.780665398	High	0.3957	Yes
NP_056250.3	25897	35493782	RNF19A	E3 ubiquitin-protein ligase RNF19A [Homo sapiens]	S631	2.91	2.42	HNsGSSSVDDGSATR	1	1	4	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.98	S(3): 100.0; S(5): 0.0; S(6): 0.0; S(7): 0.0; S(12): 0.0; T(14): 0.0	PSKFRHNsGSSSVDD	S3;	High	1785.760216					1	1	37.03	High	0.3514	3.259022236	High	0.135	Yes
NP_002366.2	4134	47519639	MAP4	microtubule-associated protein 4 isoform 1 [Homo sapiens]	S1073	1.3	0.65	VGsLDNVGHLPAGGAVK	1	2	4	0	2×TMT6plex [N-Term; K17]; 1×Deamidated [N6(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; N6(Deamidated): 100	S(3): 100.0	KAQAKVGsLDNVGHL	S3;	High	2130.136041	29.17	29.35	57.9	27.4	2	2	37.02	High	1	4.118999004	High	0.7403	Yes
NP_056073.1	23307	150010552	FKBP15	FK506-binding protein 15 [Homo sapiens]	S1164	0.86	2.56	SSLsGDEEDELFK	1	1	2	0	2×TMT6plex [N-Term; K13]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; S(2): 0.0; S(4): 100.0	HSQRSSLsGDEEDEL	S4;	High	1993.940755					1	1	37.01	High	0.2162	2.624533415	High	0.0763	Yes
NP_065823.1	57532	32698730	NUFIP2	nuclear fragile X mental retardation-interacting protein 2 [Homo sapiens]	S112	0.76	1.12	NLsSDEATNPISR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; S(4): 0.0; T(8): 0.0; S(12): 0.0	EISLKNLsSDEATNP	S3;	High	1712.805375					1	1	36.99	High	0.1892	3.874104738	High	0.0801	Yes
NP_203751.2	85462	145309324	FHDC1	FH2 domain-containing protein 1 [Homo sapiens]	S500	1.24	1.15	SSsENDVELLTK	1	1	9	0	2×TMT6plex [N-Term; K12]; 1×Phospho [S/T]	S3(Phospho): 99.35	S(1): 0.0; S(2): 0.6; S(3): 99.4; T(11): 0.0	GAFGRSSsENDVELL	S3;	High	1859.940361					1	1	36.99	High	1	3.802092791	High	0.0053	Yes
NP_001615.2	202	728798446	AIM1	absent in melanoma 1 protein [Homo sapiens]	S75	0.71	0.55	AALDGGVASAAsPESKPSPGTK	1	1	3	0	3×TMT6plex [N-Term; K16; K22]; 1×Phospho [S12(98.7)]	S12(Phospho): 98.66	S(9): 1.3; S(12): 98.7; S(15): 0.0; S(18): 0.0; T(21): 0.0	GGVASAAsPESKPSP	S12;	High	2765.468951	18.43	5.91	18.7	4.6	2	2	36.97	High	0.1892	7.674481392	High	0.0769	Yes
NP_000928.1	5430	4505939	POLR2A	DNA-directed RNA polymerase II subunit RPB1 [Homo sapiens]	S1878	1.81	1.26	YSPTsPTYSPTTPK	1	1	2	0	2×TMT6plex [N-Term; K14]; 1×Phospho [S5(99)]	S5(Phospho): 99.01	Y(1): 0.0; S(2): 0.0; T(4): 0.0; S(5): 99.0; T(7): 1.0; Y(8): 0.0; S(9): 0.0; T(11): 0.0; T(12): 0.0	SPKYSPTsPTYSPTT	S5;	High	2065.02951					1	1	36.97	High	0.1351	2.731528044	High	0.1392	Yes
NP_056444.3	26121	221136939	PRPF31	U4/U6 small nuclear ribonucleoprotein Prp31 [Homo sapiens]	T455		1.11	SSGTASSVAFtPLQGLEIVNPQAAEK	1	1	6	0	2×TMT6plex [N-Term; K26]; 2×Phospho [T11(100); S/T]	S1(Phospho): 20; S2(Phospho): 20; T4(Phospho): 20; S6(Phospho): 20; S7(Phospho): 20; T11(Phospho): 100	S(1): 20.0; S(2): 20.0; T(4): 20.0; S(6): 20.0; S(7): 20.0; T(11): 100.0	TASSVAFtPLQGLEI	T11;	High	3220.594412						1	36.96	High	0.1081	3.445684433	High	0.2754	Yes
NP_001138984.1	4774	224465184	NFIA	nuclear factor 1 A-type isoform 4 [Homo sapiens]	S332	1.03	0.64	SVEDEMDsPGEEPFYTGQGR	1	4	2	0	1×TMT6plex [N-Term]; 1×Oxidation [M6(100)]; 1×Phospho [S8(100)]	M6(Oxidation): 100; S8(Phospho): 100	S(1): 0.0; S(8): 100.0; Y(15): 0.0; T(16): 0.0	SVEDEMDsPGEEPFY	S8;	High	2555.04826					1	1	36.95	High	0.2162	4.339601994	High	0.235	No
NP_005753.1	10155	5032179	TRIM28	transcription intermediary factor 1-beta [Homo sapiens]	S473	0.28	21.61	SRsGEGEVSGLMR	1	1	4	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(9): 0.0	SGVKRSRsGEGEVSG	S3;	High	1673.787951	45.78	2.28	18.4	78.9	2	2	36.94	High	0.3514	5.653962135	High	0.092	Yes
NP_006188.3	5108	134142826	PCM1	pericentriolar material 1 protein [Homo sapiens]	S65	1.59	0.61	VTNDIsPESSPGVGRR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 99.98	T(2): 0.0; S(6): 100.0; S(9): 0.0; S(10): 0.0	KRVTNDIsPESSPGV	S6;	High	1979.9749					1	1	36.93	High	0.5405	3.859246492	High	0.0907	Yes
NP_055799.2	22994	111955084	CEP131	centrosomal protein of 131 kDa isoform a [Homo sapiens]	S47	2.39	2.28	SVsVVTGSEQK	1	2	2	0	2×TMT6plex [N-Term; K11]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; T(6): 0.0; S(8): 0.0	KPIVRSVsVVTGSEQ	S3;	High	1658.876638					1	1	36.92	High	0.4595	3.129753828	High	0.2812	Yes
NP_004694.2	9135	31377798	RABEP1	rab GTPase-binding effector protein 1 isoform 1 [Homo sapiens]	S407; S410	1.33	1.51	AQsTDsLGTSGSLQSK	1	3	3	0	2×TMT6plex [N-Term; K16]; 2×Phospho [S3(98.8); S6(100)]	S3(Phospho): 98.75; S6(Phospho): 100	S(3): 98.8; T(4): 1.3; S(6): 100.0; T(9): 0.0; S(10): 0.0; S(12): 0.0; S(15): 0.0	DGLRRAQsTDSLGTS;RRAQSTDsLGTSGSL	S3; S6;	High	2185.019096					1	1	36.91	High	0.0811	4.769401073	High	0.3522	Yes;Yes
NP_001136402.1	8539	219283152	API5	apoptosis inhibitor 5 isoform a [Homo sapiens]	S464	1.39	1.17	RASEDTTSGsPPK	1	4	2	1	2×TMT6plex [N-Term; K13]; 1×Phospho [S10(100)]	S10(Phospho): 100	S(3): 0.0; T(6): 0.0; T(7): 0.0; S(8): 0.0; S(10): 100.0	SEDTTSGsPPKKSSA	S10;	High	1870.931193					1	1	36.9	High	0.5676	4.639615536	High	0.2091	Yes
NP_057149.1	51021	7705626	MRPS16	28S ribosomal protein S16, mitochondrial [Homo sapiens]	T137	1.34	1.97	EVLLASQKTDAEATDTEATEt	1	1	4	1	2×TMT6plex [N-Term; K8]; 1×Phospho [T21(97.8)]	T21(Phospho): 97.76	S(6): 0.0; T(9): 0.0; T(14): 2.2; T(16): 0.0; T(19): 0.1; T(21): 97.8	TDTEATEt_	T21;	High	2761.343252					1	1	36.9	High	0.3243	3.052128792	High	0.1672	No
NP_006449.2	10612	32454739	TRIM3	tripartite motif-containing protein 3 isoform 1 [Homo sapiens]	S7	1.47	0.84	REDsPGPEVQPMDK	1	1	2	1	2×TMT6plex [N-Term; K14]; 1×Oxidation [M12(100)]; 1×Deamidated [Q10(100)]; 1×Phospho [S4(100)]	S4(Phospho): 100; Q10(Deamidated): 100; M12(Oxidation): 100	S(4): 100.0	_MAKREDsPGPEVQP	S4;	High	2140.003372					1	1	36.89	High	0.9459	3.778744936	High	0.5926	Yes
NP_001180345.1	1654	301171467	DDX3X	ATP-dependent RNA helicase DDX3X isoform 2 [Homo sapiens]	S90	2.95	3.24	SSFFSDRGsGSR	1	3	3	1	1×TMT6plex [N-Term]; 1×Phospho [S9(100)]	S9(Phospho): 98.97	S(1): 0.0; S(2): 0.0; S(5): 0.0; S(9): 99.0; S(11): 1.0	SFFSDRGsGSRGRFD	S9;	High	1598.716166	14.63	13.26	67.1	66.8	2	2	36.89	High	0.5135	3.015294552	High	0.0795	Yes
NP_361013.3	7798	216548085	LUZP1	leucine zipper protein 1 [Homo sapiens]	T958	1.18	0.95	SStDFSELEQPR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [T3(100)]	T3(Phospho): 99.99	S(1): 0.0; S(2): 0.0; T(3): 100.0; S(6): 0.0	AYTQRSStDFSELEQ	T3;	High	1704.767927					1	1	36.89	High	0.0811	2.607436895	High	0.0728	Yes
NP_001005731.1	3691	54607033	ITGB4	integrin beta-4 isoform 3 precursor [Homo sapiens]	S1364	0.46	0.35	SPSGSQRPsVSDDTEHLVNGR	1	2	4	0	1×TMT6plex [N-Term]; 1×Deamidated [N19(100)]; 1×Phospho [S9(98.9)]	S9(Phospho): 98.86; N19(Deamidated): 100	S(1): 0.0; S(3): 0.0; S(5): 1.1; S(9): 98.9; S(11): 0.0; T(14): 0.0	PSGSQRPsVSDDTEH	S9;	High	2535.167405	48.09	10.51	32	5.1	2	2	36.88	High	0.1622	6.859300137	High	0.0845	Yes
NP_003740.2	8660	38683860	IRS2	insulin receptor substrate 2 [Homo sapiens]	T404	1.97	3.33	SHtLSGGCGGR	1	1	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C8]; 1×Phospho [T3(100)]	T3(Phospho): 100	S(1): 0.0; T(3): 100.0; S(5): 0.0	APLSRSHtLSGGCGG	T3;	High	1397.619429					1	1	36.87	High	0.3784	3.068647385	High	0.1987	Yes
NP_001248337.1	8412	387157906	BCAR3	breast cancer anti-estrogen resistance protein 3 isoform 1 [Homo sapiens]	S182	1.33	1.47	DSLSsPGNFVLTCQWK	1	2	4	0	2×TMT6plex [N-Term; K16]; 1×Carbamidomethyl [C13]; 1×Phospho [S5(99)]	S5(Phospho): 98.99	S(2): 0.0; S(4): 1.0; S(5): 99.0; T(12): 0.0	LVRDSLSsPGNFVLT	S5;	High	2377.166355					1	1	36.87	High	0.1081	3.012782097	High	0.0266	Yes
NP_037450.2	84726	149192855	PRRC2B	protein PRRC2B [Homo sapiens]	S388	0.81	1.77	LKFsDDEEEEEVVK	1	1	2	1	3×TMT6plex [N-Term; K2; K14]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	YSEKLKFsDDEEEEE	S4;	High	2463.251079					1	1	36.86	High	1	4.732355118	High	0.5962	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_055792.1	22985	7662238	ACIN1	apoptotic chromatin condensation inducer in the nucleus isoform 1 [Homo sapiens]	S410; T414	1.19	1.36	ASLVALPEQTAsEEEtPPPLLTK	1	3	8	0	2ﾗTMT6plex [N-Term; K23]; 2ﾗPhospho [S12(97.6); T16(100)]	S12(Phospho): 97.63; T16(Phospho): 100	S(2): 0.0; T(10): 2.4; S(12): 97.6; T(16): 100.0; T(22): 0.0	ALPEQTAsEEETPPP;QTASEEEtPPPLLTK	S12; T16;	High	3039.534438		44.08		102.6	1	2	36.83	High	0.027	4.580205917	High	0.0502	Yes;Yes
NP_872363.1	283149	32698936	BCL9L	B-cell CLL/lymphoma 9-like protein [Homo sapiens]	S118	3.22	3.24	DRSVsVDSGEQR	1	1	4	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(3): 0.0; S(5): 100.0; S(8): 0.0	VKRDRSVsVDSGEQR	S5;	High	1643.758759	0.85	13.09	3.9	65.9	2	2	36.83	High	0.5405	4.204882145	High	0.1881	Yes
NP_006280.3	7094	223029410	TLN1	talin-1 [Homo sapiens]	S425	1.03	0.69	SKDHFGLEGDEESTMLEDSVsPK	1	1	4	1	3ﾗTMT6plex [N-Term; K2; K23]; 1ﾗOxidation [M15(100)]; 1ﾗPhospho [S21(100)]	M15(Oxidation): 100; S21(Phospho): 100	S(1): 0.0; S(13): 0.0; T(14): 0.0; S(19): 0.0; S(21): 100.0	TMLEDSVsPKKSTVL	S21;	High	3320.584845	29.82	26.24	45.7	26	2	2	36.79	High	0.2973	7.756228924	High	0.116	Yes
NP_060873.4	55802	291327466	DCP1A	mRNA-decapping enzyme 1A isoform a [Homo sapiens]	S525	1.16	0.84	KASSPsPLTIGTPESQR	1	5	2	1	2ﾗTMT6plex [N-Term; K]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(3): 0.0; S(4): 0.0; S(6): 100.0; T(9): 0.0; T(12): 0.0; S(15): 0.0	ERKASSPsPLTIGTP	S6;	High	2294.215748					1	1	36.79	High	0.1892	4.849020004	High	0.1072	Yes
NP_056988.3	9669	84043963	EIF5B	eukaryotic translation initiation factor 5B [Homo sapiens]	S164	1.74	1.12	KWDGsEEDEDNSK	1	1	2	1	3ﾗTMT6plex [N-Term; K13; K]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(12): 0.0	SNKKWDGsEEDEDNS	S5;	High	2306.079263					1	1	36.76	High	0.9189	2.940291643	High	0.4796	Yes
NP_065816.2	23352	82659109	UBR4	E3 ubiquitin-protein ligase UBR4 [Homo sapiens]	S1760	0.64	3.22	HAsTSSPADK	1	1	5	0	2ﾗTMT6plex [N-Term; K10]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; T(4): 0.0; S(5): 0.0; S(6): 0.0	ESLVRHAsTSSPADK	S3;	High	1538.761609	17.41	2.66	15.7	12.1	2	2	36.75	High	0.1081	3.299925089	High	0.0879	Yes
NP_001002909.1	23131	50962882	GPATCH8	G patch domain-containing protein 8 isoform 1 [Homo sapiens]	S1035	0.97	0.74	SQsPHYFR	1	3	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; Y(6): 0.0	SKIYRSQsPHYFRSG	S3;	High	1330.614267	3.03	7.91	4.2	8.3	2	2	36.74	High	0.2973	3.698305368	High	0.2	Yes
NP_001171501.1	7536	295842330	SF1	splicing factor 1 isoform 6 [Homo sapiens]	S205; S207	0.86	2.31	TGDLGIPPNPEDRsPsPEPIYNSEGK	1	6	5	1	2ﾗTMT6plex [N-Term; K26]; 2ﾗPhospho [S14(100); S16(100)]	S14(Phospho): 100; S16(Phospho): 100	T(1): 0.0; S(14): 100.0; S(16): 100.0; Y(21): 0.0; S(23): 0.0	PPNPEDRsPSPEPIY;NPEDRSPsPEPIYNS	S14; S16;	High	3384.580219	24.47	2.51	37.7	10.1	3	3	36.73	High	0.4865	6.219461441	High	0.2363	No;No
NP_004629.3	7916	314122241	PRRC2A	protein PRRC2A [Homo sapiens]	S1147	1.62	1.61	EGTLTQVPLAPPPPGAPPsPAPAR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S19(100)]	S19(Phospho): 100	T(3): 0.0; T(5): 0.0; S(19): 100.0	PPPGAPPsPAPARFT	S19;	High	2627.379569					1	1	36.71	High	0.8108	4.849243164	High	0.6474	Yes
NP_006266.2	6431	20127499	SRSF6	serine/arginine-rich splicing factor 6 [Homo sapiens]	S303	1.54	1.29	SNsPLPVPPSK	1	1	20	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(10): 0.0	RSQSRSNsPLPVPPS	S3;	High	1660.907545	3.12	4.38	14.5	17.1	9	9	36.71	High	0.2432	3.953577995	High	0.0329	Yes
NP_060933.3	55846	271397437	ITFG2	integrin-alpha FG-GAP repeat-containing protein 2 [Homo sapiens]	S220	0.8	0.72	DTGsPPASEGPTDGSR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	T(2): 0.0; S(4): 100.0; S(8): 0.0; T(12): 0.0; S(15): 0.0	TWKKDTGsPPASEGP	S4;	High	1839.795932					1	1	36.7	High	0.4595	2.882733583	High	0.2257	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S295; S297	0.94	0.48	THTTALAGRsPsPASGR	1	1	4	1	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S10(100); S12(100)]	S10(Phospho): 100; S12(Phospho): 100	T(1): 0.0; T(3): 0.0; T(4): 0.0; S(10): 100.0; S(12): 100.0; S(15): 0.0	TTALAGRsPSPASGR;ALAGRSPsPASGRRG	S10; S12;	High	2055.957549	11.08	63.8	18.2	57.2	3	3	36.66	High	0.2973	7.063564777	High	0.1856	Yes;Yes
NP_062565.2	56288	21361831	PARD3	partitioning defective 3 homolog isoform 1 [Homo sapiens]	S221	0.54	0.24	SsLSASHPMVGK	1	9	3	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗOxidation [M9(100)]; 1ﾗPhospho [S2(98)]	S2(Phospho): 97.95; M9(Oxidation): 100	S(1): 2.0; S(2): 98.0; S(4): 0.0; S(6): 0.0	QRDNARSsLSASHPM	S2;	High	1754.891243					1	1	36.66	High	0.3514	3.768389463	High	0.0265	Yes
NP_001171579.1	7739	296010963	ZNF185	zinc finger protein 185 isoform 3 [Homo sapiens]	T448	0.23	0.18	GGQGDPAVPAQQPADPStPERQSSPSGSEQLVR	1	8	6	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T18(97.6)]	T18(Phospho): 97.92	S(17): 2.1; T(18): 97.9; S(23): 0.0; S(24): 0.0; S(26): 0.0; S(28): 0.0	QQPADPStPERQSSP	T18;	High	3639.723776					1	1	36.65	High	0.3784	3.851414204	High	0.0182	No
NP_005137.1	9092	10863889	SART1	U4/U6.U5 tri-snRNP-associated protein 1 [Homo sapiens]	S598	0.61	4.02	SANGGSEsDGEENIGWSTVNLDEEK	1	1	5	0	2ﾗTMT6plex [N-Term; K25]; 1ﾗDeamidated [N3(100)]; 1ﾗPhospho [S8(98.3)]	N3(Deamidated): 100; S8(Phospho): 98.28	S(1): 0.0; S(6): 1.7; S(8): 98.3; S(17): 0.0; T(18): 0.0	SANGGSEsDGEENIG	S8;	High	3163.399263					1	1	36.65	High	0.1081	3.345845699	High	0.0388	Yes
NP_694988.3	254427	223633935	PROSER2	proline and serine-rich protein 2 [Homo sapiens]	S179	1.98	1.46	ELRAPsPPVEHPR	1	1	7	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	RRELRAPsPPVEHPR	S6;	High	1793.926099	1.98	17.36	7.9	54.1	4	4	36.64	High	1	5.218336582	High	0.6149	Yes
NP_003740.2	8660	38683860	IRS2	insulin receptor substrate 2 [Homo sapiens]	T350	1.49	1.76	TDSLAAtPPAAK	1	1	2	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [T7(100)]	T7(Phospho): 100	T(1): 0.0; S(3): 0.0; T(7): 100.0	RTDSLAAtPPAAKCS	T7;	High	1680.897374					1	1	36.62	High	0.5946	4.208243847	High	0.2779	Yes
NP_002476.2	4683	33356172	NBN	nibrin [Homo sapiens]	S604	1.62	0.62	MDIETNDTFsDEAVPESSK	1	2	3	0	2ﾗTMT6plex [N-Term; K19]; 1ﾗOxidation [M1(100)]; 1ﾗPhospho [S10(97.6)]	M1(Oxidation): 100; S10(Phospho): 97.59	T(5): 0.0; T(8): 2.4; S(10): 97.6; S(17): 0.0; S(18): 0.0	IETNDTFsDEAVPES	S10;	High	2669.194145					1	1	36.62	High	0.0541	3.348794937	High	0.0358	Yes
NP_055627.2	9859	109255228	CEP170	centrosomal protein of 170 kDa isoform alpha [Homo sapiens]	S379	1.48	2.11	HDDGTQsDSENAGAHRR	1	3	4	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(99.9)]	S7(Phospho): 99.93	T(5): 0.0; S(7): 99.9; S(9): 0.0	KHDDGTQsDSENAGA	S7;	High	2161.920967	26.17	30.88	59.1	115.6	2	2	36.6	High	0.1622	4.875423908	High	0.0594	Yes
NP_001035957.1	4763	109826564	NF1	neurofibromin isoform 1 [Homo sapiens]	S2515	1.18		GSEGYLAATYPTVGQTsPR	1	2	5	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S17(98.8)]	S17(Phospho): 98.81	S(2): 0.0; Y(5): 0.0; T(9): 0.0; Y(10): 0.0; T(12): 0.0; T(16): 1.2; S(17): 98.8	YPTVGQTsPRARKSM	S17;	High	2264.079759					1		36.6	High	0.027	4.37212944	High	0.0046	Yes
NP_001124000.1	9043	194578923	SPAG9	C-Jun-amino-terminal kinase-interacting protein 4 isoform 1 [Homo sapiens]	S203	0.94	2.45	ERPIsLGIFPLPAGDGLLTPDAQK	1	4	2	0	2ﾗTMT6plex [N-Term; K24]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; T(19): 0.0	IRKERPIsLGIFPLP	S5;	High	3043.663345					1	1	36.59	High	0.9189	3.277823448	High	0.5061	Yes
NP_001010872.1	222584	61676089	FAM83B	protein FAM83B [Homo sapiens]	S664	1.03	1.45	sFPLFDNSK	1	1	2	0	2ﾗTMT6plex [N-Term; K9]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(8): 0.0	ENLLKRRsFPLFDNS	S1;	High	1592.812582					1	1	36.59	High	0.973	3.125703812	High	0.4313	Yes
NP_001258928.1	85440	431822375	DOCK7	dedicator of cytokinesis protein 7 isoform 1 [Homo sapiens]	S900; S910	0.15	1.87	SLSNsNPDISGTPTsPDDEVR	1	4	3	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S5(98.2); S15(100)]	S5(Phospho): 98.17; S15(Phospho): 99.96	S(1): 0.0; S(3): 1.8; S(5): 98.2; S(10): 0.0; T(12): 0.0; T(14): 0.0; S(15): 100.0	RSRSLSNsNPDISGT;DISGTPTsPDDEVRS	S5; S15;	High	2577.095618					1	1	36.58	High	0.4865	3.822219372	High	0.055	Yes;Yes
NP_065176.3	89796	267844811	NAV1	neuron navigator 1 isoform 1 [Homo sapiens]	S760	0.66	0.44	SIGsPESTPK	1	2	5	0	2ﾗTMT6plex [N-Term; K10]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; S(4): 100.0; S(7): 0.0; T(8): 0.0	ISLKSIGsPESTPKN	S4;	High	1540.802411	5.76	0.48	5.4	0.3	2	2	36.58	High	0.2703	2.991872549	High	0.0736	Yes
NP_001099008.1	10514	157694494	MYBBP1A	myb-binding protein 1A isoform 1 [Homo sapiens]	S1163	0.9	0.73	EIPSATQsPISK	1	2	4	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	S(4): 0.0; T(6): 0.0; S(8): 100.0; S(11): 0.0	EIPSATQsPISKKRK	S8;	High	1795.960702	8.65	0.52	11	0.5	2	2	36.55	High	0.4595	4.421107769	High	0.1516	Yes
NP_003474.1	8091	4504431	HMGA2	high mobility group protein HMGI-C isoform a [Homo sapiens]	S44	1.5	1.01	QQQEPTGEPsPK	1	4	3	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗDeamidated [Q1(99.2)]; 1ﾗPhospho [S10(100)]	Q1(Deamidated): 99.22; S10(Phospho): 100	T(6): 0.0; S(10): 100.0	QEPTGEPsPKRPRGR	S10;	High	1864.909395					1	1	36.54	High	0.0541	3.445799589	High	0.029	Yes
NP_001119522.1	3068	186928819	HDGF	hepatoma-derived growth factor isoform b [Homo sapiens]	S148	0.52	6.07	GNAEGsSDEEGK	1	3	5	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(7): 0.0	KKGNAEGsSDEEGKL	S6;	High	1717.76821					1	1	36.53	High	0.027	2.932123184	High	0.116	No
NP_775782.2	150864	254910983	FAM117B	protein FAM117B [Homo sapiens]	S273	1.14	1.39	SAsWGSTDQLK	1	1	3	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(6): 0.0; T(7): 0.0	GSHKRSAsWGSTDQL	S3;	High	1717.856237					1	1	36.51	High	0.0811	3.342338562	High	0.0928	Yes
NP_149129.2	800	44680105	CALD1	caldesmon isoform 1 [Homo sapiens]	S202	1.82	0.9	RGsIGENQVEVMVEEK	1	1	2	1	2ﾗTMT6plex [N-Term; K16]; 1ﾗOxidation [M12(100)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100; M12(Oxidation): 100	S(3): 100.0	EEKPKRGsIGENQVE	S3;	High	2358.177648					1	1	36.5	High	1	5.262564659	High	0.6369	Yes
NP_203752.2	85461	225543461	TANC1	protein TANC1 isoform 1 [Homo sapiens]	S1564	1.82	0.77	VQISSQNPPPsPMPGR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M13(100)]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100; M13(Oxidation): 100	S(4): 0.0; S(5): 0.0; S(11): 100.0	SSQNPPPsPMPGRIA	S11;	High	2016.977543					1	1	36.5	High	0.8889	3.300315857	High	0.503	Yes
NP_835361.1	347734	30026034	SLC35B2	adenosine 3'-phospho 5'-phosphosulfate transporter 1 isoform a precursor [Homo sapiens]	S427	2.48	1.55	AVPVEsPVQKV	1	6	3	1	2ﾗTMT6plex [N-Term; K10]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	KKAVPVEsPVQKV_	S6;	High	1690.954495	5.14	1.35	18.2	3	2	2	36.49	High	1	3.886802912	High	0.6838	Yes
NP_055681.1	9919	124378039	SEC16A	protein transport protein Sec16A isoform 1 [Homo sapiens]	S1069	2.37	2.93	AQQELVPPQQQAsPPQLPK	1	2	3	0	2ﾗTMT6plex [N-Term; K19]; 1ﾗDeamidated [Q16(99.9)]; 1ﾗPhospho [S13(100)]	S13(Phospho): 100; Q16(Deamidated): 99.83	S(13): 100.0	VPPQQQAsPPQLPKA	S13;	High	2623.38969					1	1	36.47	High	0.5	2.826129436	High	0.053	Yes
NP_001278893.1	4301	634743290	MLLT4	afadin isoform 4 [Homo sapiens]	S1756	1.75	3.2	LFsQGQDVSNK	1	2	3	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(9): 0.0	KERQRLFsQGQDVSN	S3;	High	1760.898437					1	1	36.46	High	0.8611	4.236812115	High	0.5307	No
NP_000290.2	5317	53729346	PKP1	plakophilin-1 isoform 1b [Homo sapiens]	S142	0.15	0.22	GSCNTTGAGsDICFMQK	1	2	2	0	2ﾗTMT6plex [N-Term; K17]; 2ﾗCarbamidomethyl [C3; C13]; 1ﾗOxidation [M15(100)]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100; M15(Oxidation): 100	S(2): 0.0; T(5): 0.0; T(6): 0.0; S(10): 100.0	CNTTGAGsDICFMQK	S10;	High	2388.04354					1	1	36.43	High	0.6111	3.492614269	High	0.2464	No
NP_076413.3	65980	237649104	BRD9	bromodomain-containing protein 9 isoform 1 [Homo sapiens]	S566	0.71	0.51	DQHHLGsPSR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 99.99	S(7): 100.0; S(9): 0.0	RDQHHLGsPSRLSVG	S7;	High	1442.673907					1	1	36.42	High	0.25	2.885280609	High	0.1315	Yes
NP_001291278.1	5566	748585205	PRKACA	cAMP-dependent protein kinase catalytic subunit alpha isoform 3 [Homo sapiens]	T274	0.93	1.04	TWtLCGTPEYLAPEIILSK	1	16	4	0	2ﾗTMT6plex [N-Term; K19]; 1ﾗCarbamidomethyl [C5]; 1ﾗPhospho [T3(98.9)]	T3(Phospho): 98.94	T(1): 1.1; T(3): 98.9; T(7): 0.0; Y(10): 0.0; S(18): 0.0	RVKGRTWtLCGTPEY	T3;	High	2730.422963					1	1	36.41	High	0.3889	4.72311306	High	0.0064	No
NP_055885.3	23091	116008442	ZC3H13	zinc finger CCCH domain-containing protein 13 [Homo sapiens]	S242	1.26	0.66	TSAVSsPLLDQQR	1	1	8	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q]; 1ﾗPhospho [S6(99.1)]	S6(Phospho): 99.13; Q11(Deamidated): 50; Q12(Deamidated): 50	T(1): 0.0; S(2): 0.0; S(5): 0.9; S(6): 99.1	RKTSAVSsPLLDQQR	S6;	High	1711.846512					1	1	36.41	High	0.1389	2.777568579	High	0.0324	Yes
NP_000988.1	6167	4506641	RPL37	60S ribosomal protein L37 [Homo sapiens]	S96	1.21	0.87	RAAVAASSsS	1	1	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(7): 0.0; S(8): 0.0; S(9): 100.0; S(10): 0.0	AAVAASSsS_	S9;	High	1215.593198					1	1	36.41	High	0.1944	2.61934185	High	0.0153	Yes
NP_001005731.1	3691	54607033	ITGB4	integrin beta-4 isoform 3 precursor [Homo sapiens]	S1448	0.97	0.72	DYSTLTSVSsHDSRLTAGVPDTPTR	1	2	5	1	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S10(93.9); S13(100)]	S10(Phospho): 99.92; S13(Phospho): 50; T16(Phospho): 50	Y(2): 0.0; S(3): 0.0; T(4): 0.0; T(6): 0.0; S(7): 0.0; S(9): 0.1; S(10): 99.9; S(13): 50.0; T(16): 50.0; T(22): 0.0; T(24): 0.0	STLTSVSsHDSRLTA	S10;	High	3052.386321	19.01	0.8	26.6	0.8	2	2	36.4	High	0.0278	7.52002573	High	0.0891	Yes
NP_937872.1	6002	38327601	RGS12	regulator of G-protein signaling 12 isoform 1 [Homo sapiens]	S850	0.54	0.98	ALPDSQQVPSsPASK	1	3	3	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗDeamidated [Q6(98.8)]; 1ﾗPhospho [S11(100)]	Q6(Deamidated): 98.82; S11(Phospho): 100	S(5): 0.0; S(10): 0.0; S(11): 100.0; S(14): 0.0	DSQQVPSsPASKHSL	S11;	High	2051.046223					1	1	36.4	High	0.1111	4.545828819	High	0.0484	Yes
NP_065875.3	57584	203097003	ARHGAP21	rho GTPase-activating protein 21 [Homo sapiens]	T1702	0.42	0.45	LIECDtLSR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C4]; 1ﾗPhospho [T6(100)]	T6(Phospho): 100	T(6): 100.0; S(8): 0.0	HKLIECDtLSRKKSA	T6;	High	1415.680298					1	1	36.4	High	0.75	3.022974968	High	0.1457	No
NP_116264.2	84961	27734755	FBXL20	F-box/LRR-repeat protein 20 isoform 1 [Homo sapiens]	T417	1.17	0.96	VHAYFAPVtPPPSVGGSR	1	2	3	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [T9(100); S/Y]	T9(Phospho): 100; S13(Phospho): 50; S17(Phospho): 50	Y(4): 0.0; T(9): 100.0; S(13): 50.0; S(17): 50.0	HAYFAPVtPPPSVGG	T9;	High	2228.050387					1	1	36.38	High	0.5556	5.291901588	High	0.3308	Yes
NP_067051.2	58506	226509740	SCAF1	splicing factor, arginine/serine-rich 19 [Homo sapiens]	S498; S500	1.3	1.06	QRsPsPAPAPAPAAAAGPPTR	1	1	4	1	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S3(100); S5(100)]	S3(Phospho): 100; S5(Phospho): 100	S(3): 100.0; S(5): 100.0; T(20): 0.0	RERYRQRsPSPAPAP;RYRQRSPsPAPAPAP	S3; S5;	High	2357.136576	6.5	9.9	12	15	2	2	36.37	High	1	6.445137501	High	0.6868	Yes;Yes
NP_060821.3	55785	154240686	FGD6	FYVE, RhoGEF and PH domain-containing protein 6 [Homo sapiens]	S692	1.75	1.64	AYsTENYSLESQK	1	1	5	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S3(98.9)]	S3(Phospho): 98.91	Y(2): 0.0; S(3): 98.9; T(4): 1.1; Y(7): 0.0; S(8): 0.0; S(11): 0.0	SKPIKAYsTENYSLE	S3;	High	2057.983288					1	1	36.37	High	0.3056	2.983141184	High	0.0101	Yes
NP_919424.1	3930	37595752	LBR	lamin-B receptor [Homo sapiens]	S97	1.08	0.9	RsASASHQADIK	1	1	4	1	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S2(99.2)]	S2(Phospho): 99.16	S(2): 99.2; S(4): 0.8; S(6): 0.0	PPKSARRsASASHQA	S2;	High	1808.942033					1	1	36.32	High	0.2778	4.278221607	High	0.0327	Yes
NP_055889.2	23095	41393563	KIF1B	kinesin-like protein KIF1B isoform b [Homo sapiens]	S1011	0.91	1.09	SGLsLEELR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; S(4): 100.0	AMTRSGLsLEELRIV	S4;	High	1312.671113					1	1	36.32	High	0.7778	2.767026663	High	0.3069	No
NP_065778.3	49854	50345873	ZBTB21	zinc finger and BTB domain-containing protein 21 isoform L [Homo sapiens]	S411	1.27	0.9	SFsASQSTDREGASPVTEVR	1	2	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S14(100)]	S3(Phospho): 99.97	S(1): 0.0; S(3): 100.0; S(5): 0.0; S(7): 0.0; T(8): 0.0; S(14): 0.0; T(17): 0.0	PHRLRSFsASQSTDR	S3;	High	2420.129228	21.27	21.44	39.7	27.7	2	2	36.26	High	0.3611	4.124524593	High	0.0704	Yes
NP_001191676.1	5981	325296984	RFC1	replication factor C subunit 1 isoform 2 [Homo sapiens]	S156	1.55	0.62	NKPLsPIKLTPTSVLDYFGTGSVQR	1	2	2	1	3ﾗTMT6plex [N-Term; K2; K8]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; T(10): 0.0; T(12): 0.0; S(13): 0.0; Y(17): 0.0; T(20): 0.0; S(22): 0.0	KTKNKPLsPIKLTPT	S5;	High	3485.937618					1	1	36.25	High	0.1111	5.992948055	High	0.0868	Yes
NP_203752.2	85461	225543461	TANC1	protein TANC1 isoform 1 [Homo sapiens]	S270	0.69	1.11	ADNCsPVAEEETTGSAESTLPK	1	2	2	0	2ﾗTMT6plex [N-Term; K22]; 1ﾗCarbamidomethyl [C4]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; T(12): 0.0; T(13): 0.0; S(15): 0.0; S(18): 0.0; T(19): 0.0	DRRADNCsPVAEEET	S5;	High	2831.305821					1	1	36.23	High	0.3333	3.572548389	High	0.4566	Yes
NP_055965.1	23180	41872577	RFTN1	raftlin [Homo sapiens]	S220	1.23	1.73	NQsPEPSSGPR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(7): 0.0; S(8): 0.0	APAGRNQsPEPSSGP	S3;	High	1464.668153					1	1	36.22	High	0.3889	3.009509325	High	0.2558	Yes
NP_620137.2	115548	226371723	FCHO2	F-BAR domain only protein 2 isoform a [Homo sapiens]	S403	0.76	1.02	NLsNEELTK	1	2	3	0	2ﾗTMT6plex [N-Term; K9]; 1ﾗDeamidated [N1(100)]; 1ﾗPhospho [S3(100)]	N1(Deamidated): 100; S3(Phospho): 100	S(3): 100.0; T(8): 0.0	VQMNRNLsNEELTKS	S3;	High	1586.807891					1	1	36.21	High	0.75	3.373040438	High	0.3383	Yes
NP_001138678.1	85379	223633988	KIAA1671	uncharacterized protein KIAA1671 [Homo sapiens]	S1701	0.9	1.14	KEEsDEEETASK	1	1	2	1	3ﾗTMT6plex [N-Term; K12; K]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(9): 0.0; S(11): 0.0	KSPRKEEsDEEETAS	S4;	High	2149.051651					1	1	36.18	High	0.6389	3.952082396	High	0.281	Yes
NP_065842.1	57551	45439370	TAOK1	serine/threonine-protein kinase TAO1 isoform 1 [Homo sapiens]	S421	1.36	0.88	ASDPQsPPQVSR	1	2	12	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(2): 0.0; S(6): 100.0; S(11): 0.0	TRASDPQsPPQVSRH	S6;	High	1577.752217	4.01	15.63	13.4	34.6	6	6	36.17	High	0.5278	4.054365635	High	0.3432	Yes
NP_005110.2	9967	167234419	THRAP3	thyroid hormone receptor-associated protein 3 [Homo sapiens]	S379	1.64	1.39	GSFsDTGLGDGK	1	1	4	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S4(99.3)]	S4(Phospho): 99.31	S(2): 0.0; S(4): 99.3; T(6): 0.7	IKEKGSFsDTGLGDG	S4;	High	1678.808953	4.75	1.98	11.1	3.9	2	2	36.17	High	0.25	3.828958035	High	0.0522	Yes
NP_060537.3	55700	78042577	MAP7D1	MAP7 domain-containing protein 1 isoform 1 [Homo sapiens]	S399	1.31	0.98	RKPNAGGsPAPVR	1	3	2	1	2ﾗTMT6plex [N-Term; K2]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0	RKPNAGGsPAPVRRR	S8;	High	1845.026037					1	1	36.17	High	1	3.066751719	High	0.5342	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_056170.2	23512	197333809	SUZ12	polycomb protein SUZ12 [Homo sapiens]	S546	0.88	0.8	ASMSEFLEsEDGEVEQQR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M3(100)]; 1ﾗDeamidated [Q]; 1ﾗPhospho [S9(100)]	M3(Oxidation): 100; S9(Phospho): 100; Q16(Deamidated): 50; Q17(Deamidated): 50	S(2): 0.0; S(4): 0.0; S(9): 100.0	SMSEFLEsEDGEVEQ	S9;	High	2397.000248					1	1	36.16	High	0.0278	3.463136911	High	0.0058	Yes
NP_001229346.1	91833	334848139	WDR20	WD repeat-containing protein 20 isoform 7 [Homo sapiens]	S463	1.31	1.34	sNSLPHSAVSNAGSK	1	6	4	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗDeamidated [N11(100)]; 1ﾗPhospho [S1(98.7)]	S1(Phospho): 98.66; N11(Deamidated): 100	S(1): 98.7; S(3): 1.3; S(7): 0.0; S(10): 0.0; S(14): 0.0	VPPPLPRsNSLPHSA	S1;	High	1994.994856					1	1	36.16	High	0.4167	3.316686153	High	0.0452	No
NP_060286.1	55646	8923398	LYAR	cell growth-regulating nucleolar protein [Homo sapiens]	S260	2.13	1.3	KDSAsEEEAR	1	1	7	1	2ﾗTMT6plex [N-Term; K]; 1ﾗPhospho [S3(100)]	S5(Phospho): 100	S(3): 0.0; S(5): 100.0	KQRKDSAsEEEARVG	S5;	High	1659.799116	3.3	2.45	15.8	7.2	5	5	36.15	High	0.2778	3.881588221	High	0.1237	No
NP_612361.1	90378	39930517	SAMD1	atherin [Homo sapiens]	S161	1.2	0.53	AAAAAAATAPPsPGPAQPGPR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	T(7): 0.0; S(11): 100.0	AAATAPPsPGPAQPG	S11;	High	2065.04292					1	1	36.13	High	0.1389	5.802227974	High	0.1931	Yes
NP_874365.3	23513	355390313	SCRIB	protein scribble homolog isoform a [Homo sapiens]	S1378	0.88	0.97	RVsLVGADDLR	1	2	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	EGPPKRVsLVGADDL	S3;	High	1509.798774	21.21	20.13	26.8	28.3	2	2	36.12	High	0.6944	4.791061401	High	0.476	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	S252	0.89	1.3	APsRQDVYGPQPQVR	1	15	4	1	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q13(100)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100; Q13(Deamidated): 99.99	S(3): 100.0; Y(8): 0.0	MEGYRAPsRQDVYGP	S3;	High	2007.985071	9.28	4.62	11.8	8.5	2	2	36.12	High	0.25	4.636249542	High	0.0323	Yes
NP_115812.1	283489	41281612	CHAMP1	chromosome alignment-maintaining phosphoprotein 1 [Homo sapiens]	S416	1.01	0.99	AVPPVsPELR	1	1	8	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	WKAVPPVsPELRKPG	S6;	High	1373.739133	23.92	3.83	43.7	6.6	3	3	36.1	High	1	3.15791297	High	0.6614	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1519	1.39	0.96	SGsESSVDQK	1	1	2	0	2ﾗTMT6plex [N-Term; K10]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; S(5): 0.0; S(6): 0.0	PQRERSGsESSVDQK	S3;	High	1561.751104					1	1	36.1	High	0.3333	3.13304472	High	0.1885	Yes
NP_775846.2	282974	32455269	STK32C	serine/threonine-protein kinase 32C [Homo sapiens]	S18	0.58	0.73	RGSSAAASPGsPPPGR	1	1	5	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	S(3): 0.0; S(4): 0.0; S(8): 0.0; S(11): 100.0	SAAASPGsPPPGRAR	S11;	High	1760.864227	2.58	29.64	2.6	38.9	3	3	36.09	High	0.3611	4.816126347	High	0.2531	Yes
NP_005073.2	7706	68160937	TRIM25	E3 ubiquitin/ISG15 ligase TRIM25 [Homo sapiens]	S100	0.53	0.91	ASAPsPNAQVACDHCLK	1	1	4	0	2ﾗTMT6plex [N-Term; K17]; 2ﾗCarbamidomethyl [C12; C15]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(2): 0.0; S(5): 100.0	PARASAPsPNAQVAC	S5;	High	2364.124173	30.66	5.99	23.5	7.7	2	2	36.07	High	0.1944	5.198472023	High	0.1423	Yes
NP_795352.2	10207	112382257	INADL	inaD-like protein [Homo sapiens]	S645	1.01	0.98	RLFDDEAsVDEPR	1	1	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0	RLFDDEAsVDEPRRT	S8;	High	1857.858139					1	1	36.07	High	0.9722	4.099047184	High	0.6293	Yes
NP_002408.3	4288	103472005	MKI67	antigen KI-67 isoform 1 [Homo sapiens]	S308	1.66	0.8	SGGSGHAVAEPAsPEQELDQNKGK	1	1	4	1	3ﾗTMT6plex [N-Term; K22; K24]; 1ﾗPhospho [S13(100)]	S13(Phospho): 100	S(1): 0.0; S(4): 0.0; S(13): 100.0	HAVAEPAsPEQELDQ	S13;	High	3160.587897	1.82	19.62	4.3	22.4	2	2	36.05	High	1	6.460338116	High	0.517	Yes
NP_005641.1	6942	31652244	TCF20	transcription factor 20 isoform 1 [Homo sapiens]	T1671	1.29	1.3	SLtPPPSSTESK	1	2	7	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [T3(100)]	T3(Phospho): 99.99	S(1): 0.0; T(3): 100.0; S(7): 0.0; S(8): 0.0; T(9): 0.0; S(11): 0.0	RKGQRSLtPPPSSTE	T3;	High	1768.913418	13.73	5.53	25.5	10.2	2	2	36.03	High	0.7222	4.09615612	High	0.0561	Yes
NP_073568.2	64710	56118310	NUCKS1	nuclear ubiquitous casein and cyclin-dependent kinase substrate 1 [Homo sapiens]	S181	0.39	2	ATVTPsPVK	1	1	5	0	2ﾗTMT6plex [N-Term; K9]; 1ﾗPhospho [T4(100)]	S6(Phospho): 100	T(2): 0.0; T(4): 0.0; S(6): 100.0	LKATVTPsPVKGKGK	S6;	High	1437.811854	39.2	2.9	21.6	8.2	2	2	36.03	High	0.4444	3.495079994	High	0.2486	Yes
NP_006654.2	10848	63003907	PPP1R13L	relA-associated inhibitor [Homo sapiens]	T308	0.45	0.43	ESSLDGLGGTGKDNLTSAtLPR	1	1	2	1	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [T19(100)]	T19(Phospho): 100	S(2): 0.0; S(3): 0.0; T(10): 0.0; T(16): 0.0; S(17): 0.0; T(19): 100.0	KDNLTSAtLPRNYKV	T19;	High	2727.396625					1	1	36	High	0.3333	5.424603939	High	0.0923	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	T614; S616	1.16	1.06	tAsPPPPPK	1	3	3	0	2ﾗTMT6plex [N-Term; K9]; 2ﾗPhospho [T1(100); S3(100)]	T1(Phospho): 100; S3(Phospho): 100	T(1): 100.0; S(3): 100.0	SPPPKRRtASPPPPP;PPKRRTAsPPPPPKR	T1; S3;	High	1509.75197	2.49	12.67	4.1	19.1	2	2	35.98	High	1	3.877402306	High	0.6675	Yes;Yes
NP_874365.3	23513	355390313	SCRIB	protein scribble homolog isoform a [Homo sapiens]	S1448	1.45	1.59	QSPAsPPPLGGGAPVR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q1(100)]; 1ﾗPhospho [S5(100)]	Q1(Deamidated): 100; S5(Phospho): 100	S(2): 0.0; S(5): 100.0	TSRQSPAsPPPLGGG	S5;	High	1797.909781					1	1	35.94	High	0.1111	3.126303434	High	0.1693	Yes
NP_079225.5	80014	156546890	WWC2	protein WWC2 [Homo sapiens]	S1022	2.45	1.22	LNRSDsDSSTLAK	1	1	2	1	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S6(100)]	S6(Phospho): 99.98	S(4): 0.0; S(6): 100.0; S(8): 0.0; S(9): 0.0; T(10): 0.0	CRLNRSDsDSSTLAK	S6;	High	1931.983957					1	1	35.92	High	0.3611	2.809309721	High	0.1246	Yes
NP_001273510.1	57661	557440888	PHRF1	PHD and RING finger domain-containing protein 1 isoform 1 [Homo sapiens]	S867	2.96	1.53	TISINsPK	1	4	4	0	2ﾗTMT6plex [N-Term; K8]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	T(1): 0.0; S(3): 0.0; S(6): 100.0	TRTISINsPKAQTVQ	S6;	High	1397.780553	0.15	12.69	0.6	27.9	2	2	35.9	High	0.7222	3.435950994	High	0.3721	Yes
NP_112192.2	81622	45580709	UNC93B1	protein unc-93 homolog B1 [Homo sapiens]	S547; S550	0.75	0.58	YLEEDNsDEsDAEGEHGDGAEEEAPPAGPRPGPEPAGLGR	1	1	2	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S7(100); S10(100)]	S7(Phospho): 100; S10(Phospho): 100	Y(1): 0.0; S(7): 100.0; S(10): 100.0	RYLEEDNsDESDAEG;EEDNSDEsDAEGEHG	S7; S10;	High	4492.856516					1	1	35.88	High	0.6667	4.856377125	High	0.2593	Yes;Yes
NP_002799.3	5708	25777602	PSMD2	26S proteasome non-ATPase regulatory subunit 2 isoform 1 [Homo sapiens]	S16	0.88	1.78	DKAPVQPQQsPAAAPGGTDEKPSGK	1	1	2	1	4ﾗTMT6plex [N-Term; K2; K21; K25]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	S(10): 100.0; T(18): 0.0; S(23): 0.0	APVQPQQsPAAAPGG	S10;	High	3457.849815					1	1	35.86	High	0.8333	7.649317265	High	0.3046	Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S85; S93	0.76	0.87	AHsPASTLPNsPGSTFER	1	1	10	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S3(100); S11(100)]	S3(Phospho): 100; S11(Phospho): 100	S(3): 100.0; S(6): 0.0; T(7): 0.0; S(11): 100.0; S(14): 0.0; T(15): 0.0	SSYRRAHsPASTLPN;PASTLPNsPGSTFER	S3; S11;	High	2244.988909	12.85	13.76	22	24.4	5	4	35.86	High	0.3333	5.200021267	High	0.1904	Yes;Yes
NP_068659.1	994	11641413	CDC25B	M-phase inducer phosphatase 2 isoform 1 [Homo sapiens]	S353	1.25	1.37	sVTPPEEQQEAEEPK	1	9	3	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(3): 0.0	VQNKRRRsVTPPEEQ	S1;	High	2236.078645					1	1	35.86	High	1	3.658263683	High	0.0847	Yes
NP_001014436.1	28988	62198235	DBNL	drebrin-like protein isoform b [Homo sapiens]	S232	1.18	0.8	YQEQGGEAsPQRTWEQQEVVSR	1	2	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	Y(1): 0.0; S(9): 100.0; T(13): 0.0; S(22): 0.0	QEQGGEAsPQRTWEQ	S9;	High	3029.395172					1	1	35.86	High	0.4167	3.474443197	High	0.2133	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S754; S756	0.88	0.8	SVsGsPEPAAK	1	3	5	0	2ﾗTMT6plex [N-Term; K11]; 2ﾗPhospho [S3(100); S5(100)]	S3(Phospho): 100; S5(Phospho): 100	S(1): 0.0; S(3): 100.0; S(5): 100.0	VSSSRSVsGSPEPAA;SSRSVSGsPEPAAKK	S3; S5;	High	1647.779641	9.35	10.56	14.4	14.7	3	3	35.84	High	0.3056	3.113989353	High	0.3891	Yes;Yes
NP_775490.2	150094	116256471	SIK1	serine/threonine-protein kinase SIK1 [Homo sapiens]	S575	0.66	0.63	RAsDTSLTQGLK	1	2	2	1	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(5): 0.0; S(6): 0.0; T(8): 0.0	FQEGRRAsDTSLTQG	S3;	High	1814.977749					1	1	35.83	High	0.3889	3.330274105	High	0.1021	Yes
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	S194	0.96	1.4	VVNGAAASQPPsKR	1	1	2	1	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S12(100)]	S12(Phospho): 100	S(8): 0.0; S(12): 100.0	AAASQPPsKRKRRWD	S12;	High	1920.046832					1	1	35.82	High	0.4167	4.653924942	High	0.1914	Yes
NP_060376.2	55003	55769546	PAK1IP1	p21-activated protein kinase-interacting protein 1 [Homo sapiens]	S320	1.09	0.93	ESLPPAAEPsPVSK	1	1	2	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	S(2): 0.0; S(10): 100.0; S(13): 0.0	LPPAAEPsPVSKEQS	S10;	High	1947.024031					1	1	35.81	High	0.5278	3.789509535	High	0.2032	Yes
NP_004652.2	8697	118402596	CDC23	cell division cycle protein 23 homolog [Homo sapiens]	S588	0.62	0.93	RVsPLNLSSVTP	1	1	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(8): 0.0; S(9): 0.0; T(11): 0.0	NTPTRRVsPLNLSSV	S3;	High	1578.845389					1	1	35.79	High	0.6944	2.880697966	High	0.3889	Yes
NP_056371.1	26037	7662126	SIPA1L1	signal-induced proliferation-associated 1-like protein 1 isoform 1 [Homo sapiens]	S1549	1.2	0.91	LIDLEsPTPESQK	1	4	3	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; T(8): 0.0; S(11): 0.0	KKLIDLEsPTPESQK	S6;	High	1995.04516					1	1	35.74	High	0.4167	3.586022615	High	0.1142	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	T2409	1.03	0.54	SRtPPSAPSQSR	1	1	5	1	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q10(100)]; 1ﾗPhospho [T3(100)]	T3(Phospho): 99.99; Q10(Deamidated): 100	S(1): 0.0; T(3): 100.0; S(6): 0.0; S(9): 0.0; S(11): 0.0	LDRARSRtPPSAPSQ	T3;	High	1580.763117	11.32	27.47	16.6	21.3	2	2	35.73	High	0.2778	4.147805691	High	0.053	Yes
NP_006132.1	1783	5453634	DYNC1LI2	cytoplasmic dynein 1 light intermediate chain 2 isoform 1 [Homo sapiens]	S407	0.86	0.67	GGPASVPSSsPGTSVK	1	2	4	0	2ﾗTMT6plex [N-Term; K16]; 1ﾗPhospho [S10(100)]	S10(Phospho): 99.97	S(5): 0.0; S(8): 0.0; S(9): 0.0; S(10): 100.0; T(13): 0.0; S(14): 0.0	PASVPSSsPGTSVKK	S10;	High	1953.009443					1	1	35.72	High	0.1667	4.015658855	High	0.0522	Yes
NP_619580.1	83596	20336330	BCL2L12	bcl-2-like protein 12 isoform 1 [Homo sapiens]	S273	1.45	2.64	ACPGPPPPsPEPLAR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C2]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	CPGPPPPsPEPLARL	S9;	High	1851.902587	3.99	4.35	8.2	16.4	2	2	35.7	High	0.9722	4.082468033	High	0.6299	Yes
NP_001106963.1	10801	164698494	Sep-09	septin-9 isoform a [Homo sapiens]	T49	1.78	1.6	RVQtPLLR	1	4	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T4(100)]	T4(Phospho): 100	T(4): 100.0	TPPRRVQtPLLRATV	T4;	High	1291.744888					1	1	35.7	High	0.8889	3.474058867	High	0.3718	Yes
NP_004982.2	2122	255683386	MECOM	MDS1 and EVI1 complex locus protein EVI1 isoform c [Homo sapiens]	S1048	0.91	0.76	NFIGNSNHGSQsPR	1	5	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S12(98.9)]	S12(Phospho): 98.87	S(6): 0.0; S(10): 1.1; S(12): 98.9	NSNHGSQsPRNVEER	S12;	High	1823.838741					1	1	35.69	High	0.1389	4.628108978	High	0.0713	No
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	T182	0.31	0.56	NSSNtLPIPK	1	1	7	0	2ﾗTMT6plex [N-Term; K10]; 1ﾗPhospho [T5(100)]	T5(Phospho): 100	S(2): 0.0; S(3): 0.0; T(5): 100.0	PTRNSSNtLPIPKKG	T5;	High	1608.876245	50.65	2.48	28	2.4	3	3	35.68	High	0.4444	3.72153163	High	0.1452	Yes
NP_060340.2	54972	30089935	TMEM132A	transmembrane protein 132A isoform a precursor [Homo sapiens]	S530	1.4	0.9	VPGPAEGPAEPAAEAsDEAERR	1	2	4	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S16(100)]	S16(Phospho): 100	S(16): 100.0	AEPAAEAsDEAERRA	S16;	High	2515.166342	4.24	35.5	8.4	47.8	2	2	35.67	High	0.8889	4.70949316	High	0.6539	No
NP_005442.2	9260	11496885	PDLIM7	PDZ and LIM domain protein 7 isoform 1 [Homo sapiens]	T251	0.92	0.56	HSQPAtPTPLQSR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q3(100)]; 1ﾗPhospho [T6(100)]	Q3(Deamidated): 100; T6(Phospho): 100	S(2): 0.0; T(6): 100.0; T(8): 0.0; S(12): 0.0	TRHSQPAtPTPLQSR	T6;	High	1729.847181					1	1	35.67	High	0.5278	3.368913412	High	0.2493	Yes
NP_001074324.1	5829	170932514	PXN	paxillin isoform 2 [Homo sapiens]	S303	0.35	13.62	DGGRSsPGGQDEGGFMAQGK	1	1	4	1	2ﾗTMT6plex [N-Term; K20]; 1ﾗPhospho [S6(98.8)]	S6(Phospho): 98.83	S(5): 1.2; S(6): 98.8	PRDGGRSsPGGQDEG	S6;	High	2476.132823					1	1	35.66	High	1	4.860711575	High	0.0082	Yes
NP_001136336.2	9780	257196142	PIEZO1	piezo-type mechanosensitive ion channel component 1 [Homo sapiens]	S1621	0.71	1.01	SGsEEAVTDPGER	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; T(8): 0.0	GYHTRSGsEEAVTDP	S3;	High	1642.715891					1	1	35.66	High	0.3056	3.439093113	High	0.1657	Yes
NP_006540.3	10645	27437015	CAMKK2	calcium/calmodulin-dependent protein kinase kinase 2 isoform 1 [Homo sapiens]	S511	1.29	1.14	SLsAPGNLLTK	1	7	2	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; T(10): 0.0	RREERSLsAPGNLLT	S3;	High	1638.923195					1	1	35.66	High	0.6111	3.074372053	High	0.2573	Yes
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S523	0.64	0.31	HGsDPAFAPGPR	1	1	8	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	SREVRHGsDPAFAPG	S3;	High	1517.709959	2.94	18.93	3.8	11.9	4	4	35.64	High	0.9722	5.444549084	High	0.6268	Yes
NP_078947.3	79724	146198654	ZNF768	zinc finger protein 768 [Homo sapiens]	S160	0.96	1.37	TQsPEFEAQSSK	1	1	2	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S3(99.4)]	S3(Phospho): 99.39	T(1): 0.6; S(3): 99.4; S(10): 0.0; S(11): 0.0	NTELKTQsPEFEAQS	S3;	High	1876.909395					1	1	35.64	High	0.0556	4.79681778	High	0.0708	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S672	0.98	1.06	TEAQDLCRAsPEPPGPESSSR	1	1	7	1	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C7]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	T(1): 0.0; S(10): 100.0; S(18): 0.0; S(19): 0.0; S(20): 0.0	AQDLCRAsPEPPGPE	S10;	High	2580.159876	6.89	2.25	15.3	5.4	5	5	35.63	High	0.4167	5.656134129	High	0.2986	Yes
NP_001281269.1	124245	661567300	ZC3H18	zinc finger CCCH domain-containing protein 18 isoform 1 [Homo sapiens]	S46	0.47	2.73	AsDLEDEESAAR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; S(9): 0.0	DGAGVRAsDLEDEES	S2;	High	1601.689342					1	1	35.61	High	0.5278	4.425919056	High	0.4266	Yes
NP_001289958.1	11187	732663005	PKP3	plakophilin-3 isoform PKP3b [Homo sapiens]	S328; S329	4.31	3.14	TLQRLssGFDDIDLPSAVK	1	2	2	1	2ﾗTMT6plex [N-Term; K19]; 1ﾗDeamidated [Q3(100)]; 2ﾗPhospho [S6(100); S7(100)]	Q3(Deamidated): 100; S6(Phospho): 100; S7(Phospho): 100	T(1): 0.0; S(6): 100.0; S(7): 100.0; S(16): 0.0	HRTLQRLsSGFDDID;RTLQRLSsGFDDIDL	S6; S7;	High	2681.324052					1	1	35.6	High	0.0833	2.896277905	High	0.4724	No;No
NP_001171825.1	23133	296531349	PHF8	histone lysine demethylase PHF8 isoform 1 [Homo sapiens]	S1021	2.01	2.41	RPsVGSQSNQAGQGK	1	3	2	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; S(8): 0.0	FLTQRRPsVGSQSNQ	S3;	High	2039.043537					1	1	35.59	High	0.3611	3.999953508	High	0.1325	Yes
NP_958931.1	89953	41871960	KLC4	kinesin light chain 4 isoform b [Homo sapiens]	S608	0.08	2.06	AAsLNYLNQPSAAPLQVSR	1	3	3	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q9(98.6)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100; Q9(Deamidated): 98.59	S(3): 100.0; Y(6): 0.0; S(11): 0.0; S(18): 0.0	SNMKRAAsLNYLNQP	S3;	High	2310.169243					1	1	35.59	High	0.1389	3.333382607	High	0.0721	No
NP_000601.3	960	48255935	CD44	CD44 antigen isoform 1 precursor [Homo sapiens]	S697	1.73	2.04	KPsGLNGEASK	1	6	2	0	3ﾗTMT6plex [N-Term; K11; K]; 1ﾗDeamidated [N6(100)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100; N6(Deamidated): 100	S(3): 100.0; S(10): 0.0	AVEDRKPsGLNGEAS	S3;	High	1856.013356					1	1	35.58	High	1	3.428870201	High	0.5452	Yes
NP_004847.2	9493	6754472	KIF23	kinesin-like protein KIF23 isoform 2 [Homo sapiens]	S160	0.33	14.31	SNDRNsMDIQCEVDALLER	1	3	2	1	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C11]; 1ﾗDeamidated [Q10(100)]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100; Q10(Deamidated): 100	S(1): 0.0; S(6): 100.0	FKSNDRNsMDIQCEV	S6;	High	2575.136698					1	1	35.57	High	0.1667	5.849502087	High	0.135	Yes
NP_001122390.2	4140	731441413	MARK3	MAP/microtubule affinity-regulating kinase 3 isoform a [Homo sapiens]	S540	1.17	1.3	TPVAsTHSISSAATPDR	1	5	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(98.3)]	S5(Phospho): 98.31	T(1): 0.0; S(5): 98.3; T(6): 1.7; S(8): 0.0; S(10): 0.0; S(11): 0.0; T(14): 0.0	DQRTPVAsTHSISSA	S5;	High	2006.974565	3.29	14.13	5.4	26.5	2	2	35.57	High	0.1389	4.690005779	High	0.0043	Yes
NP_543157.1	1627	18426913	DBN1	drebrin isoform b [Homo sapiens]	S339	1.68	0.63	MAPTPIPTRsPSDSSTASTPVAEQIER	1	2	10	1	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M1(100)]; 1ﾗPhospho [S10(100)]	M1(Oxidation): 100; S10(Phospho): 99.95	T(4): 0.0; T(8): 0.1; S(10): 100.0; S(12): 0.0; S(14): 0.0; S(15): 0.0; T(16): 0.0; S(18): 0.0; T(19): 0.0	PTPIPTRsPSDSSTA	S10;	High	3151.51799					1	1	35.56	High	0.0833	5.684589863	High	0.0035	No
NP_941372.1	2889	38373677	RAPGEF1	rap guanine nucleotide exchange factor 1 isoform b [Homo sapiens]	S353	0.85	0.67	RLsGGSHSYGGESPR	1	3	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.98	S(3): 100.0; S(6): 0.0; S(8): 0.0; Y(9): 0.0; S(13): 0.0	CYAQRRLsGGSHSYG	S3;	High	1855.864955					1	1	35.56	High	0.3611	3.860870838	High	0.0492	No
NP_001271143.1	9320	545746335	TRIP12	E3 ubiquitin-protein ligase TRIP12 isoform a [Homo sapiens]	S1084	1.53	0.86	SPTTTQsPK	1	4	2	0	2ﾗTMT6plex [N-Term; K9]; 1ﾗPhospho [S7(99.4)]	S7(Phospho): 100	S(1): 0.0; T(3): 0.0; T(4): 0.0; T(5): 0.0; S(7): 100.0	KSPTTTQsPKSSFLA	S7;	High	1484.776196					1	1	35.56	High	0.6389	2.967591286	High	0.1818	No
NP_002379.3	4172	394582093	MCM3	DNA replication licensing factor MCM3 isoform 1 [Homo sapiens]	T767	1.05	0.44	DGDSYDPYDFSDTEEEMPQVHtPK	1	2	5	0	2ﾗTMT6plex [N-Term; K24]; 1ﾗOxidation [M17(100)]; 2ﾗPhospho [T22(100); S/T/Y]	S11(Phospho): 49.02; T13(Phospho): 49.02; M17(Oxidation): 100; T22(Phospho): 100	S(4): 0.0; Y(5): 0.0; Y(8): 2.0; S(11): 49.0; T(13): 49.0; T(22): 100.0	EEMPQVHtPKTADSQ	T22;	High	3436.389366					1	1	35.56	High	0.25	2.913912296	High	0.2818	No
NP_005325.2	3054	98986457	HCFC1	host cell factor 1 [Homo sapiens]	S1507		1.01	AVTTVTQSTPVPGPSVPPPEELQVsPGPR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S25(100)]	S25(Phospho): 100	T(3): 0.0; T(4): 0.0; T(6): 0.0; S(8): 0.0; T(9): 0.0; S(15): 0.0; S(25): 100.0	PPEELQVsPGPRQQL	S25;	High	3233.66564						1	35.55	High	0.3611	4.519897461	High	0.4093	Yes
NP_055829.2	23029	238859597	RBM34	RNA-binding protein 34 isoform 1 [Homo sapiens]	S28	0.95	0.82	SVQEGENPDDGVRGsPPEDYR	1	2	5	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S15(100)]	S15(Phospho): 100	S(1): 0.0; S(15): 100.0; Y(20): 0.0	PDDGVRGsPPEDYRL	S15;	High	2612.146334	17.11	13.32	28.7	19.1	3	3	35.55	High	0.4167	4.48369503	High	0.2321	Yes
NP_006132.1	1783	5453634	DYNC1LI2	cytoplasmic dynein 1 light intermediate chain 2 isoform 1 [Homo sapiens]	S194	0.82	0.79	DFQDYMEPEEGCQGsPQRR	1	2	2	1	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C12]; 1ﾗOxidation [M6(100)]; 1ﾗDeamidated [Q13(100)]; 1ﾗPhospho [S15(100)]	M6(Oxidation): 100; Q13(Deamidated): 99.97; S15(Phospho): 100	Y(5): 0.0; S(15): 100.0	PEEGCQGsPQRRGPL	S15;	High	2655.069013					1	1	35.54	High	0.2222	3.913612604	High	0.0972	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_705618.1	9631	24430149	NUP155	nuclear pore complex protein Nup155 isoform 1 [Homo sapiens]	S992	0.74	1.23	AAPQsPSVPK	1	3	4	0	2ﾗTMT6plex [N-Term; K10]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(7): 0.0	QSKAAPQsPSVPKKP	S5;	High	1519.828566	11.78	7.38	12.4	12.9	2	2	35.52	High	0.5278	3.298545361	High	0.1939	Yes
NP_055872.4	23077	291190787	MYCBP2	E3 ubiquitin-protein ligase MYCBP2 [Homo sapiens]	S2812	0.69	0.4	AEsPGPGSR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(8): 0.0	PSSSRAEsPGPGSRL	S3;	High	1166.540434					1	1	35.52	High	0.6944	2.615629196	High	0.271	No
NP_001139488.1	93643	225690487	TJAP1	tight junction-associated protein 1 isoform a [Homo sapiens]	S545	2.18	1.72	KDsLTQAQEQGNLLN	1	2	2	1	2ﾗTMT6plex [N-Term; K]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; T(5): 0.0	HHLHRKDsLTQAQEQ	S3;	High	2197.126598					1	1	35.51	High	0.1389	7.159648418	High	0.0698	Yes
NP_203752.2	85461	225543461	TANC1	protein TANC1 isoform 1 [Homo sapiens]	T687	0.53	0.8	ADAtLIGK	1	2	2	0	2ﾗTMT6plex [N-Term; K8]; 1ﾗPhospho [T4(100)]	T4(Phospho): 100	T(4): 100.0	LNGKADAtLIGKVSS	T4;	High	1326.74344					1	1	35.51	High	0.6389	2.653579473	High	0.4566	No
NP_005546.2	3854	119703753	KRT6B	keratin, type II cytoskeletal 6B [Homo sapiens]	S37	0.21	0.18	SGFSSIsVSR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(1): 0.0; S(4): 0.0; S(5): 0.0; S(7): 100.0; S(9): 0.0	RSGFSSIsVSRSRGS	S7;	High	1335.650712	34.94	6.4	10.3	1.6	2	2	35.49	High	0.2	3.169247627	High	0.1609	No
NP_003474.1	8091	4504431	HMGA2	high mobility group protein HMGI-C isoform a [Homo sapiens]	S44	2.94	1.27	KQQQEPTGEPsPK	1	4	6	1	3ﾗTMT6plex [N-Term; K13; K]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	T(7): 0.0; S(11): 100.0	QEPTGEPsPKRPRGR	S11;	High	2221.183274	1.27	2.8	7.4	7.1	4	4	35.47	High	0.6571	5.759383678	High	0.2899	Yes
NP_057671.2	11335	20544151	CBX3	chromobox protein homolog 3 [Homo sapiens]	S176	1.23	1.26	LTWHsCPEDEAQ	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C6]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	T(2): 0.0; S(5): 100.0	EERLTWHsCPEDEAQ	S5;	High	1781.740332					1	1	35.47	High	0.4286	2.668751955	High	0.2734	Yes
NP_003091.2	6643	23111038	SNX2	sorting nexin-2 isoform 1 [Homo sapiens]	S277	1.08	1.01	AVNTQALsGAGILR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	T(4): 0.0; S(8): 100.0	AVNTQALsGAGILRM	S8;	High	1679.904301					1	1	35.46	High	0.7143	2.773832083	High	0.2491	Yes
NP_001002814.2	80223	289547524	RAB11FIP1	rab11 family-interacting protein 1 isoform 3 [Homo sapiens]	S156	1.4	0.52	NNMTAsMFDLSMK	1	3	2	0	2ﾗTMT6plex [N-Term; K13]; 3ﾗOxidation [M3(100); M7(100); M12(100)]; 1ﾗPhospho [S6(97.8)]	M3(Oxidation): 100; S6(Phospho): 97.78; M7(Oxidation): 100; M12(Oxidation): 100	T(4): 2.2; S(6): 97.8; S(11): 0.0	MRNNMTAsMFDLSMK	S6;	High	2075.925322					1	1	35.45	High	0.3143	2.851084948	High	0.1053	Yes
NP_001273588.1	9882	557786174	TBC1D4	TBC1 domain family member 4 isoform 3 [Homo sapiens]	S341	0.88	0.62	HAsAPSHVQPSDSEK	1	3	4	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; S(11): 0.0; S(13): 0.0	QPRRRHAsAPSHVQP	S3;	High	2115.027219	4.31	0.85	5.4	0.7	2	2	35.44	High	0.1429	7.144096851	High	0.1232	Yes
NP_001230106.1	226	342187211	ALDOA	fructose-bisphosphate aldolase A isoform 2 [Homo sapiens]	S93	1.01	1.03	GILAADESTGsIAKR	1	2	3	1	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	S(8): 0.0; T(9): 0.0; S(11): 100.0	AADESTGsIAKRLQS	S11;	High	2027.093842	23.53	18.85	34.7	27.9	2	2	35.41	High	0.0571	4.363829136	High	0.1078	No
NP_002408.3	4288	103472005	MKI67	antigen KI-67 isoform 1 [Homo sapiens]	S357	0.58	0.6	TPVQYSQQQNsPQK	1	1	2	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	T(1): 0.0; Y(5): 0.0; S(6): 0.0; S(11): 100.0	QYSQQQNsPQKHKNK	S11;	High	2171.089819					1	1	35.4	High	0.5714	3.584077835	High	0.3017	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5863	1.08	1.7	SRLsSSSSNDSGNK	1	1	3	1	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S4(100)]	S4(Phospho): 99.96	S(1): 0.0; S(4): 100.0; S(5): 0.0; S(6): 0.0; S(7): 0.0; S(8): 0.0; S(11): 0.0	ASKKSRLsSSSSNDS	S4;	High	1963.948634					1	1	35.4	High	0.0857	3.248748779	High	0.0338	Yes
NP_001124396.2	199953	262399371	TMEM201	transmembrane protein 201 isoform 1 [Homo sapiens]	S441	0.63	0.74	RTsPSSLPGR	1	1	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99	T(2): 0.0; S(3): 100.0; S(5): 0.0; S(6): 0.0	FRSPRRTsPSSLPGR	S3;	High	1366.704145					1	1	35.37	High	0.5429	3.187506914	High	0.1003	Yes
NP_112223.1	81844	30794216	TRIM56	E3 ubiquitin-protein ligase TRIM56 [Homo sapiens]	T442	0.27	0.36	EEGAQTLEEDRAQtPHEDGGPQPHR	1	1	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T14(100)]	T14(Phospho): 100	T(6): 0.0; T(14): 100.0	LEEDRAQtPHEDGGP	T14;	High	3093.386064					1	1	35.36	High	0.2286	5.881358624	High	0.1327	Yes
NP_001438.1	2196	13787217	FAT2	protocadherin Fat 2 precursor [Homo sapiens]	S4258	0.51	0.29	YSNQNLEDLMPSRPPsPR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M10(100)]; 1ﾗPhospho [S16(100)]	M10(Oxidation): 100; S16(Phospho): 100	Y(1): 0.0; S(2): 0.0; S(12): 0.0; S(16): 100.0	LMPSRPPsPRERLVA	S16;	High	2426.137291	80.9	266.36	63.3	155.8	2	2	35.31	High	0.3143	5.401079655	High	0.0833	No
NP_005076.3	8021	33946327	NUP214	nuclear pore complex protein Nup214 [Homo sapiens]	S657	2.64	0.61	SAQGSSsPVPSMVQK	1	1	3	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗOxidation [M12(100)]; 1ﾗPhospho [S7(95.4)]	S7(Phospho): 95.44; M12(Oxidation): 100	S(1): 0.0; S(5): 2.3; S(6): 2.3; S(7): 95.4; S(11): 0.0	RSAQGSSsPVPSMVQ	S7;	High	2044.018628					1	1	35.3	High	0.1143	3.527755499	High	0.0113	Yes
NP_076412.3	65979	115430209	PHACTR4	phosphatase and actin regulator 4 isoform 2 [Homo sapiens]	S186	0.63	0.92	RPLsSSHEASEGQAK	1	2	12	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [S4(97.7)]	S4(Phospho): 97.68	S(4): 97.7; S(5): 1.2; S(6): 1.2; S(10): 0.0	LPPKRPLsSSHEASE	S4;	High	2122.069418					1	1	35.29	High	0.6571	5.295830727	High	0.0302	No
NP_065813.1	57522	44917604	SRGAP1	SLIT-ROBO Rho GTPase-activating protein 1 [Homo sapiens]	S906	1.2	1	GLNNDsPERR	1	1	6	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	NRGLNNDsPERRRRP	S6;	High	1466.695037	5.14	5.99	10.7	10.4	3	3	35.27	High	1	4.159329414	High	0.5048	Yes
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S690	1.38	1.5	LRCDsADLR	1	4	2	1	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C3]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	DKKLRCDsADLRHDI	S5;	High	1414.671131					1	1	35.26	High	0.8857	3.031413555	High	0.4092	Yes
NP_055843.1	23043	55741807	TNIK	TRAF2 and NCK-interacting protein kinase isoform 1 [Homo sapiens]	S678	0.25	0.26	TTsISPALAR	1	8	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(99.4)]	S3(Phospho): 99.37	T(1): 0.0; T(2): 0.0; S(3): 99.4; S(5): 0.6	KVPQRTTsISPALAR	S3;	High	1325.702748					1	1	35.23	High	0.0286	3.065225363	High	0.0195	Yes
NP_001158136.1	375449	257467648	MAST4	microtubule-associated serine/threonine-protein kinase 4 isoform c [Homo sapiens]	S1370	0.72	0.79	sAGNIPLSPLAR	1	5	5	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S8(100)]	S1(Phospho): 100	S(1): 100.0; S(8): 0.0	YRSGRRKsAGNIPLS	S1;	High	1504.80861	46.64	17.02	63	23.6	3	3	35.18	High	0.9429	3.235354662	High	0.4938	No
NP_004725.1	9201	4758128	DCLK1	serine/threonine-protein kinase DCLK1 isoform 1 [Homo sapiens]	S352	0.99	0.71	SSQHGGsSTSLASTK	1	3	4	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(1): 0.0; S(2): 0.0; S(7): 100.0; S(8): 0.0; T(9): 0.0; S(10): 0.0; S(13): 0.0; T(14): 0.0	RSSQHGGsSTSLAST	S7;	High	1972.97412					1	1	35.15	High	0.4286	3.69959569	High	0.1027	Yes
NP_001265138.1	9972	503774352	NUP153	nuclear pore complex protein Nup153 isoform 1 [Homo sapiens]	S334	0.99	0.65	RIPSIVSsPLNSPLDR	1	3	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S8(100)]	S8(Phospho): 99.99	S(4): 0.0; S(7): 0.0; S(8): 100.0; S(12): 0.0	RIPSIVSsPLNSPLD	S8;	High	2060.110271					1	1	35.14	High	0.2286	5.27923584	High	0.0284	Yes
NP_065823.1	57532	32698730	NUFIP2	nuclear fragile X mental retardation-interacting protein 2 [Homo sapiens]	S652	1.3	0.9	NDsWGSFDLR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0	RGLERNDsWGSFDLR	S3;	High	1505.66234					1	1	35.14	High	0.3429	3.719730139	High	0.1613	Yes
NP_904325.2	23095	41393559	KIF1B	kinesin-like protein KIF1B isoform alpha [Homo sapiens]	S1053	1.71	1.16	SNsLNNGQPK	1	1	3	0	2ﾗTMT6plex [N-Term; K10]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0	QLRWRSNsLNNGQPK	S3;	High	1596.814707					1	1	35.14	High	0.4857	2.843234062	High	0.0563	Yes
NP_001166994.1	5099	291084612	PCDH7	protocadherin-7 isoform d precursor [Homo sapiens]	S1011	0.56	0.43	SSSPLPTVQLHPQsPTAGK	1	4	2	0	2ﾗTMT6plex [N-Term; K19]; 1ﾗPhospho [S14(100)]	S14(Phospho): 99.99	S(1): 0.0; S(2): 0.0; S(3): 0.0; T(7): 0.0; S(14): 100.0; T(16): 0.0	TVQLHPQsPTAGKKH	S14;	High	2470.310711					1	1	35.13	High	0.2286	6.261602879	High	0.0719	Yes
NP_001120683.1	57698	187761324	KIAA1598	shootin-1 isoform a [Homo sapiens]	S249	1.24	1.4	RQsHLLLQSSIPDQQLLK	1	5	2	1	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(9): 0.0; S(10): 0.0	QNKLKRQsHLLLQSS	S3;	High	2642.479507					1	1	35.13	High	0.4	5.590997696	High	0.297	Yes
NP_005086.2	9202	44890068	ZMYM4	zinc finger MYM-type protein 4 [Homo sapiens]	S122	0.99	0.96	VTQHEsDNENEIQIQNK	1	1	5	0	2ﾗTMT6plex [N-Term; K17]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	T(2): 0.0; S(6): 100.0	RRVTQHEsDNENEIQ	S6;	High	2564.239396	2.59	25.82	3.6	36	2	2	35.11	High	0.3143	5.865689754	High	0.138	Yes
NP_002733.2	5587	115529463	PRKD1	serine/threonine-protein kinase D1 [Homo sapiens]	S742	1.72	1.56	sVVGTPAYLAPEVLR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(5): 0.0; Y(8): 0.0	GEKSFRRsVVGTPAY	S1;	High	1881.008432					1	1	35.11	High	0.6286	4.217916965	High	0.4005	Yes
NP_005461.2	10006	61743942	ABI1	abl interactor 1 isoform a [Homo sapiens]	S225	0.6	0.82	LGSQHsPGR	1	12	3	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q4(100)]; 1ﾗPhospho [S6(100)]	Q4(Deamidated): 100; S6(Phospho): 100	S(3): 0.0; S(6): 100.0	ARLGSQHsPGRTASL	S6;	High	1248.593532					1	1	35.11	High	0.4857	3.481215239	High	0.2845	Yes
NP_000997.1	6189	4506723	RPS3A	40S ribosomal protein S3a isoform 1 [Homo sapiens]	S236	0.91	0.52	LMELHGEGsSSGK	1	1	2	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗOxidation [M2(100)]; 1ﾗPhospho [S9(98.5)]	M2(Oxidation): 100; S9(Phospho): 98.47	S(9): 98.5; S(10): 1.5; S(11): 0.0	MELHGEGsSSGKATG	S9;	High	1885.913101					1	1	35.1	High	0.2571	4.552596092	High	0.0593	Yes
NP_775782.2	150864	254910983	FAM117B	protein FAM117B [Homo sapiens]	S10	0.36	0.75	NGsPTPAGSLGGGAVATAGGPGSR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [N1(100)]; 1ﾗPhospho [S3(99.9)]	N1(Deamidated): 100; S3(Phospho): 99.94	S(3): 99.9; T(5): 0.1; S(9): 0.0; T(17): 0.0; S(23): 0.0	QRVRRNGsPTPAGSL	S3;	High	2306.097534					1	1	35.1	High	0.0857	3.217837572	High	0.0559	Yes
NP_037425.1	29896	9558733	TRA2A	transformer-2 protein homolog alpha isoform 1 [Homo sapiens]	S262	1.38	0.91	RSPsPYYSR	1	5	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(2): 0.0; S(4): 100.0; Y(6): 0.0; Y(7): 0.0; S(8): 0.0	RYRRRSPsPYYSRYR	S4;	High	1421.677596					1	1	35.08	High	0.6857	3.075167179	High	0.1623	Yes
NP_001269677.1	7091	544224628	TLE4	transducin-like enhancer protein 4 isoform 1 [Homo sapiens]	S206; S208	0.83	0.76	SSsVsPSASFR	1	5	2	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S3(100); S5(100)]	S3(Phospho): 99.97; S5(Phospho): 99.97	S(1): 0.0; S(2): 0.0; S(3): 100.0; S(5): 100.0; S(7): 0.0; S(9): 0.0	RDSIKSSsVSPSASF;SIKSSSVsPSASFRG	S3; S5;	High	1500.633422					1	1	35.08	High	0.2857	2.71050024	High	0.2657	Yes;Yes
NP_005650.2	7353	29501813	UFD1L	ubiquitin fusion degradation protein 1 homolog isoform A [Homo sapiens]	S299	1.31	3.02	FVAFSGEGQsLR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S10(100)]	S10(Phospho): 99.99	S(5): 0.0; S(10): 100.0	AFSGEGQsLRKKGRK	S10;	High	1606.782789					1	1	35.07	High	0.4	2.899314642	High	0.2517	Yes
NP_055792.1	22985	7662238	ACIN1	apoptotic chromatin condensation inducer in the nucleus isoform 1 [Homo sapiens]	S710	1.47	1.12	RLsQPESAEK	1	3	4	1	2ﾗTMT6plex [N-Term; K10]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(7): 0.0	SVQARRLsQPESAEK	S3;	High	1682.887872	1.64	2.35	3.4	3.7	2	2	35.04	High	0.9143	4.916802406	High	0.3516	Yes
NP_057018.1	51602	7706254	NOP58	nucleolar protein 58 [Homo sapiens]	S502; S514	0.35	1.4	HIKEEPLsEEEPCTSTAIAsPEK	1	1	3	1	3ﾗTMT6plex [N-Term; K3; K23]; 1ﾗCarbamidomethyl [C13]; 2ﾗPhospho [S8(100); S20(100)]	S8(Phospho): 100; S20(Phospho): 100	S(8): 100.0; T(14): 0.0; S(15): 0.0; T(16): 0.0; S(20): 100.0	HIKEEPLsEEEPCTS;CTSTAIAsPEKKKKK	S8; S20;	High	3429.650496					1	1	35.04	High	0.2857	4.544284344	High	0.0176	Yes;Yes
NP_004841.2	9475	41872583	ROCK2	rho-associated protein kinase 2 [Homo sapiens]	S1374	5.05	4.43	IQQNQsIR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	MKIQQNQsIRRPSRQ	S6;	High	1295.667031					1	1	35.04	High	0.5143	2.64402771	High	0.3977	Yes
NP_112199.2	81669	88758580	CCNL2	cyclin-L2 isoform A [Homo sapiens]	S369	1.06	0.64	ADsPVNGLPK	1	1	7	0	2ﾗTMT6plex [N-Term; K10]; 1ﾗDeamidated [N6(100)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100; N6(Deamidated): 100	S(3): 100.0	AKKAKADsPVNGLPK	S3;	High	1536.807497	6.15	14.12	13.1	18.1	4	4	35.02	High	1	3.565712929	High	0.5966	Yes
NP_001287955.1	7082	666335594	TJP1	tight junction protein ZO-1 isoform d [Homo sapiens]	S341	0.99	0.72	HSPQQPSNGsLR	1	4	4	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [N8(100)]; 1ﾗPhospho [S10(100)]	N8(Deamidated): 100; S10(Phospho): 100	S(2): 0.0; S(7): 0.0; S(10): 100.0	PQQPSNGsLRSRDEE	S10;	High	1617.758366	8.8	5.16	12.3	5.2	2	2	34.98	High	0.4571	4.145098209	High	0.106	No
NP_005219.2	1956	29725609	EGFR	epidermal growth factor receptor isoform a precursor [Homo sapiens]	S991	1.16	0.84	MHLPsPTDSNFYR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M1(100)]; 1ﾗPhospho [S5(100)]	M1(Oxidation): 100; S5(Phospho): 100	S(5): 100.0; T(7): 0.0; S(9): 0.0; Y(12): 0.0	DERMHLPsPTDSNFY	S5;	High	1889.845466					1	1	34.98	High	0.4	3.682522297	High	0.1848	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S390	0.51	0.59	LRLsPSPTSQR	1	6	13	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 99.98	S(4): 100.0; S(6): 0.0; T(8): 0.0; S(9): 0.0	EEERLRLsPSPTSQR	S4;	High	1550.825323	4.1	4.86	6	8.2	8	8	34.98	High	0.5714	3.554934502	High	0.1775	Yes
NP_001381.2	1837	42718005	DTNA	dystrobrevin alpha isoform 1 [Homo sapiens]	S662	0.58	0.86	TQFEDLVPsPTSEK	1	9	2	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	T(1): 0.0; S(9): 100.0; T(11): 0.0; S(12): 0.0	QFEDLVPsPTSEKAF	S9;	High	2116.061538					1	1	34.98	High	0.4571	3.382219553	High	0.1864	Yes
NP_001127910.1	90102	197313730	PHLDB2	pleckstrin homology-like domain family B member 2 isoform a [Homo sapiens]	S73	1.17	1.35	RSPsPLGTSVR	1	3	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 99.96	S(2): 0.0; S(4): 100.0; T(8): 0.0; S(9): 0.0	VPAKRSPsPLGTSVR	S4;	High	1465.772559					1	1	34.96	High	0.6571	3.235468626	High	0.1543	Yes
NP_036347.1	10724	11024698	MGEA5	protein O-GlcNAcase isoform a [Homo sapiens]	S364	1.42	1.22	LENEGsDEDIETDVLYSPQMALK	1	1	2	0	2ﾗTMT6plex [N-Term; K23]; 1ﾗOxidation [M20(100)]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100; M20(Oxidation): 100	S(6): 100.0; T(12): 0.0; Y(16): 0.0; S(17): 0.0	IKLENEGsDEDIETD	S6;	High	3150.484179					1	1	34.95	High	0.6	4.44233942	High	0.4662	Yes
NP_997636.1	5573	47132581	PRKAR1A	cAMP-dependent protein kinase type I-alpha regulatory subunit isoform a [Homo sapiens]	S83	1.13	1.12	TDSREDEIsPPPPNPVVK	1	2	10	1	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	T(1): 0.0; S(3): 0.0; S(9): 100.0	DSREDEIsPPPPNPV	S9;	High	2515.284555	12.06	4.53	34.3	12.4	6	6	34.94	High	0.2286	6.860682487	High	0.188	Yes
NP_001124000.1	9043	194578923	SPAG9	C-Jun-amino-terminal kinase-interacting protein 4 isoform 1 [Homo sapiens]	T226	1.76	5.08	GGEtPGSEQWK	1	4	2	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [T4(100)]	T4(Phospho): 100	T(4): 100.0; S(7): 0.0	DAQKGGEtPGSEQWK	T4;	High	1713.824937					1	1	34.93	High	0.6571	3.950005293	High	0.3848	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S696	1.28	1.35	APQTSSsPPPVR	1	3	10	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q3(100)]; 1ﾗPhospho [S7(100)]	Q3(Deamidated): 100; S7(Phospho): 100	T(4): 0.0; S(5): 0.0; S(6): 0.0; S(7): 100.0	RAPQTSSsPPPVRRG	S7;	High	1533.751155					1	1	34.9	High	0.0571	4.35654974	High	0.055	Yes
NP_006654.2	10848	63003907	PPP1R13L	relA-associated inhibitor [Homo sapiens]	S358	1.13	1.03	IPMPPSsPQPR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M3(100)]; 1ﾗPhospho [S]	M3(Oxidation): 100; S7(Phospho): 98.16	S(6): 1.8; S(7): 98.2	RIPMPPSsPQPRGAP	S7;	High	1531.754132					1	1	34.88	High	0.8	4.206317902	High	0.0641	Yes
NP_060286.1	55646	8923398	LYAR	cell growth-regulating nucleolar protein [Homo sapiens]	S276	1.67	2.98	RHsEVETDSK	1	1	3	1	2ﾗTMT6plex [N-Term; K10]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(7): 0.0; S(9): 0.0	GKRKRRHsEVETDSK	S3;	High	1725.8573	7.04	2.42	16.8	10.2	2	2	34.86	High	0.8857	4.335223675	High	0.424	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1545	1.13	0.98	RPsQGPPAR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q4(100)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100; Q4(Deamidated): 100	S(3): 100.0	AQTSRRPsQGPPARS	S3;	High	1275.640817					1	1	34.82	High	1	3.826713324	High	0.4674	Yes
NP_000115.1	2074	4557565	ERCC6	DNA excision repair protein ERCC-6 [Homo sapiens]	T1350	1.09	0.56	NSNFSVQHPSSTSPtEK	1	1	3	0	2ﾗTMT6plex [N-Term; K17]; 1ﾗPhospho [T15(96.8)]	T15(Phospho): 96.83	S(2): 0.0; S(5): 0.0; S(10): 1.6; S(11): 0.0; T(12): 0.0; S(13): 1.6; T(15): 96.8	HPSSTSPtEKCQDGI	T15;	High	2385.14879					1	1	34.8	High	0.1714	5.533830643	High	0.0416	No
NP_003740.2	8660	38683860	IRS2	insulin receptor substrate 2 [Homo sapiens]	S1176	2.77	1.92	HNSAsVENVSLR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(3): 0.0; S(5): 100.0; S(10): 0.0	PKRHNSAsVENVSLR	S5;	High	1621.789665					1	1	34.79	High	0.1429	3.356957912	High	0.1786	Yes
NP_006600.3	10746	85838511	MAP3K2	mitogen-activated protein kinase kinase kinase 2 [Homo sapiens]	S153	0.74	0.84	RLsIIGPTSR	1	1	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(8): 0.0; S(9): 0.0	AERKKRLsIIGPTSR	S3;	High	1408.787481					1	1	34.78	High	0.8286	3.393287182	High	0.4631	Yes
NP_002645.3	5315	33286418	PKM	pyruvate kinase PKM isoform a [Homo sapiens]	S37	0.76	0.83	LDIDsPPITAR	1	5	6	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; T(9): 0.0	MCRLDIDsPPITARN	S5;	High	1506.776641	12.78	7.13	17	10.3	3	3	34.77	High	0.6	3.753013611	High	0.232	Yes
NP_803136.2	147700	91825557	KLC3	kinesin light chain 3 [Homo sapiens]	S466	1.28	0.65	AMsLNTLNVDAPR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M2(100)]; 1ﾗDeamidated [N8(98.8)]; 1ﾗPhospho [S3(100)]	M2(Oxidation): 100; S3(Phospho): 100; N8(Deamidated): 98.81	S(3): 100.0; T(6): 0.0	AGMKRAMsLNTLNVD	S3;	High	1727.823668					1	1	34.77	High	0.0286	3.480959177	High	0.0891	Yes
NP_659434.2	201163	22907034	FLCN	folliculin isoform 1 [Homo sapiens]	S62; S73	1	0.84	AHsPAEGASVESSsPGPK	1	2	2	0	2ﾗTMT6plex [N-Term; K18]; 2ﾗPhospho [S3(100); S14(99.9)]	S3(Phospho): 100; S14(Phospho): 99.94	S(3): 100.0; S(9): 0.0; S(12): 0.0; S(13): 0.0; S(14): 99.9	NSRMRAHsPAEGASV;GASVESSsPGPKKSD	S3; S14;	High	2313.056544					1	1	34.76	High	0.1714	4.421885014	High	0.3258	Yes;Yes
NP_997657.1	2873	47078238	GPS1	COP9 signalosome complex subunit 1 isoform 1 [Homo sapiens]	S510	0.92	1.06	SPPREGsQGELTPANSQSR	1	2	4	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(1): 0.0; S(7): 100.0; T(12): 0.0; S(16): 0.0; S(18): 0.0	KSPPREGsQGELTPA	S7;	High	2307.092783	3.36	6.01	4.4	9.1	2	2	34.72	High	0.3429	4.502799511	High	0.2089	No
NP_079470.1	80271	18643383	ITPKC	inositol-trisphosphate 3-kinase C [Homo sapiens]	T336	0.14	0.92	LIITPEtPEPEAQPVGPPSR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T7(100)]	T7(Phospho): 99.96	T(4): 0.0; T(7): 100.0; S(19): 0.0	RLIITPEtPEPEAQP	T7;	High	2437.257723					1	1	34.72	High	0.4286	4.095267773	High	0.1854	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_667339.1	223082	23821044	ZNRF2	E3 ubiquitin-protein ligase ZNRF2 [Homo sapiens]	S135	0.38	0.54	DRPVGGsPGGPR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	RDRPVGGsPGGPRLV	S7;	High	1460.720858					1	1	34.72	High	1	3.305535555	High	0.6012	Yes
NP_056056.2	57553	209862789	MICAL3	protein-methionine sulfoxide oxidase MICAL3 isoform 1 [Homo sapiens]	S977	0.83	0.64	GKsEEELEASK	1	1	2	1	3×TMT6plex [N-Term; K2; K11]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(10): 0.0	HALLKGKsEEELEAS	S3;	High	1974.039964					1	1	34.71	High	1	2.858042717	High	0.5455	Yes
NP_001790.1	1022	4502743	CDK7	cyclin-dependent kinase 7 [Homo sapiens]	T170	0.83	0.79	AYtHQVVTR	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [T3(100)]	T3(Phospho): 100	Y(2): 0.0; T(3): 100.0; T(8): 0.0	GSPNRAYtHQVVTRW	T3;	High	1383.698331	5.68	1.55	6.6	1.7	2	2	34.71	High	0.5429	2.837898493	High	0.1796	Yes
NP_001078846.1	4163	146229340	MCC	colorectal mutant cancer protein isoform 1 [Homo sapiens]	S159	0.62	0.57	DLQsPDVQSQSALQK	1	1	2	0	2×TMT6plex [N-Term; K15]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(9): 0.0; S(11): 0.0	SGARDLQsPDVQSQS	S4;	High	2182.115699					1	1	34.68	High	0.8	5.496660233	High	0.3836	Yes
NP_005549.2	3898	20070205	LAD1	ladinin-1 [Homo sapiens]	S356	0.41	0.27	IPSKEEEADMSsPTQR	1	1	2	1	2×TMT6plex [N-Term; K4]; 1×Oxidation [M10(100)]; 1×Phospho [S12(97.8)]	M10(Oxidation): 100; S12(Phospho): 97.45	S(3): 0.0; S(11): 2.5; S(12): 97.5; T(14): 0.0	EEEADMSsPTQRTYS	S12;	High	2359.125278					1	1	34.68	High	0.0857	3.197167635	High	0.0563	Yes
NP_079052.2	79834	148368962	PEAK1	pseudopodium-enriched atypical kinase 1 [Homo sapiens]	S1374	1.03	0.98	ESQQYYHsLAVR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(2): 0.0; Y(5): 0.0; Y(6): 0.0; S(8): 100.0	ESQQYYHsLAVRQSL	S8;	High	1789.84718					1	1	34.67	High	0.5429	4.511324883	High	0.1973	Yes
NP_005432.1	8208	4885105	CHAF1B	chromatin assembly factor 1 subunit B [Homo sapiens]	T432; T433	1.59	0.97	TQDPSSPGttPPQAR	1	1	6	0	1×TMT6plex [N-Term]; 2×Phospho [T9(100); T10(100)]	T9(Phospho): 99.96; T10(Phospho): 100	T(1): 0.0; S(5): 0.0; S(6): 0.0; T(9): 100.0; T(10): 100.0	QDPSSPGtTPPQARQ;DPSSPGTtPPQARQA	T9; T10;	High	1928.835369					1	1	34.63	High	0.0857	2.856832981	High	0.3462	Yes;Yes
NP_001005731.1	3691	54607033	ITGB4	integrin beta-4 isoform 3 precursor [Homo sapiens]	T1460	0.16	0.42	LTAGVPDtPTR	1	3	3	0	1×TMT6plex [N-Term]; 1×Phospho [T8(100)]	T8(Phospho): 99.99	T(2): 0.0; T(8): 100.0; T(10): 0.0	LTAGVPDtPTRLVFS	T8;	High	1436.734776					1	1	34.61	High	0.4	3.063316584	High	0.1471	No
NP_443111.4	113251	283046701	LARP4	la-related protein 4 isoform a [Homo sapiens]	S583	0.79	1.6	DGLNQTTIPVsPPSTTKPSR	1	5	4	0	2×TMT6plex [N-Term; K17]; 1×Phospho [S11(100)]	S11(Phospho): 100	T(6): 0.0; T(7): 0.0; S(11): 100.0; S(14): 0.0; T(15): 0.0; T(16): 0.0; S(19): 0.0	NQTTIPVsPPSTTKP	S11;	High	2634.390417	49	0.87	59.5	2	2	2	34.6	High	0.4286	5.315365791	High	0.2011	Yes
NP_079359.2	80153	19923613	EDC3	enhancer of mRNA-decapping protein 3 [Homo sapiens]	S131	1.25	1.05	SQDVAVsPQQQQCSK	1	1	3	0	2×TMT6plex [N-Term; K15]; 1×Carbamidomethyl [C13]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(1): 0.0; S(7): 100.0; S(14): 0.0	KSQDVAVsPQQQQCS	S7;	High	2228.078268					1	1	34.59	High	0.3714	4.495651245	High	0.2022	Yes
NP_110418.1	81537	13540569	SGPP1	sphingosine-1-phosphate phosphatase 1 [Homo sapiens]	S112	0.94	0.93	RNsLTGEEGQLAR	1	1	4	1	1×TMT6plex [N-Term]; 1×Deamidated [Q10(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; Q10(Deamidated): 100	S(3): 100.0; T(5): 0.0	AGALRRNsLTGEEGQ	S3;	High	1740.847909	17.32	3.35	23.4	4.4	2	2	34.58	High	0.1429	6.078534126	High	0.1398	Yes
NP_062826.2	56339	21361827	METTL3	N6-adenosine-methyltransferase 70 kDa subunit [Homo sapiens]	S48	1.28	1.04	sDSPVPTAPTSGGPKPSTASAVPELATDPELEK	1	1	4	0	3×TMT6plex [N-Term; K15; K33]; 1×Phospho [S1(97.9)]	S1(Phospho): 97.91	S(1): 97.9; S(3): 2.1; T(7): 0.0; T(10): 0.0; S(11): 0.0; S(17): 0.0; T(18): 0.0; S(20): 0.0; T(27): 0.0	ALSPTFRsDSPVPTA	S1;	High	4001.061099					1	1	34.58	High	0.1143	4.550253391	High	0.0132	Yes
NP_003371.2	7431	62414289	VIM	vimentin [Homo sapiens]	S214	0.57	1.1	QDVDNAsLAR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	RQDVDNAsLARLDLE	S7;	High	1397.66234					1	1	34.56	High	0.7714	2.932804346	High	0.4846	Yes
NP_001291744.1	23152	756140883	CIC	protein capicua homolog isoform CIC-L [Homo sapiens]	S664	1.36	0.53	HLsASTPK	1	1	2	0	2×TMT6plex [N-Term; K8]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; T(6): 0.0	AVRSRHLsASTPKAG	S3;	High	1378.749588					1	1	34.52	High	0.6857	3.659834385	High	0.1967	No
NP_062536.2	56243	50843820	KIAA1217	sickle tail protein homolog isoform 1 [Homo sapiens]	S169	1.63	1.39	TRAsLPVVR	1	4	2	1	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	T(1): 0.0; S(4): 100.0	RGSRTRAsLPVVRST	S4;	High	1307.739802					1	1	34.51	High	0.2286	3.676606655	High	0.1658	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S3426	11.69	4.8	VSMPDVELNLKsPK	1	1	2	1	3×TMT6plex [N-Term; K11; K14]; 1×Oxidation [M3(100)]; 1×Phospho [S12(100)]	M3(Oxidation): 100; S12(Phospho): 100	S(2): 0.0; S(12): 100.0	DVELNLKsPKVKGDL	S12;	High	2340.285297					1	1	34.49	High	1	4.822062492	High	0.6411	Yes
NP_001163931.1	5127	281427158	CDK16	cyclin-dependent kinase 16 isoform 3 [Homo sapiens]	S169	1.47	0.4	MGSDGESDQASATSSDEVQsPVRVR	1	3	2	1	1×TMT6plex [N-Term]; 1×Oxidation [M1(100)]; 1×Phospho [S20(100)]	M1(Oxidation): 100; S20(Phospho): 100	S(3): 0.0; S(7): 0.0; S(11): 0.0; T(13): 0.0; S(14): 0.0; S(15): 0.0; S(20): 100.0	TSSDEVQsPVRVRMR	S20;	High	2920.282904					1	1	34.49	High	0.6176	4.432601452	High	0.3047	No
NP_004148.1	5576	4758958	PRKAR2A	cAMP-dependent protein kinase type II-alpha regulatory subunit [Homo sapiens]	S99	1.17	1.35	RVsVCAETYNPDEEEEDTDPR	1	1	2	1	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C5]; 1×Deamidated [N10(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; N10(Deamidated): 100	S(3): 100.0; T(8): 0.0; Y(9): 0.0; T(18): 0.0	SRFNRRVsVCAETYN	S3;	High	2821.170895					1	1	34.47	High	0.1176	4.411133766	High	0.0907	Yes
NP_071396.4	63971	157738621	KIF13A	kinesin-like protein KIF13A isoform a [Homo sapiens]	S1698	0.66	0.81	TGsCSELDACPSK	1	4	8	0	2×TMT6plex [N-Term; K13]; 2×Carbamidomethyl [C4; C10]; 1×Phospho [S3(99.4)]	S3(Phospho): 99.36	T(1): 0.6; S(3): 99.4; S(5): 0.0; S(12): 0.0	KSLCRTGsCSELDAC	S3;	High	1949.875001	1.21	16.36	1.1	18.9	2	2	34.46	High	0.2647	5.028311729	High	0.0139	Yes
NP_612453.1	115207	19923973	KCTD12	BTB/POZ domain-containing protein KCTD12 [Homo sapiens]	S185	0.58	3.52	sPSGGAAGPLLTPSQSLDGSR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(3): 0.0; T(12): 0.0; S(14): 0.0; S(16): 0.0; S(20): 0.0	TLELASRsPSGGAAG	S1;	High	2264.112121					1	1	34.45	High	0.1765	5.441957474	High	0.0717	Yes
NP_001422.1	2037	4503579	EPB41L2	band 4.1-like protein 2 isoform a [Homo sapiens]	S58	0.72	1.87	GSQPPPAAESQSsLRR	1	4	4	1	1×TMT6plex [N-Term]; 1×Phospho [S13(98.1)]	S13(Phospho): 98.12	S(2): 0.0; S(10): 0.9; S(12): 0.9; S(13): 98.1	PAAESQSsLRRQKRE	S13;	High	1976.975234					1	1	34.44	High	0.0294	5.714073181	High	0.0088	Yes
NP_056982.1	51341	7705375	ZBTB7A	zinc finger and BTB domain-containing protein 7A [Homo sapiens]	S526	1.31	0.79	GGAPDPSPGATATPGAPAQPSsPDAR	1	1	4	0	1×TMT6plex [N-Term]; 1×Deamidated [Q19(100)]; 1×Phospho [S22(97.9)]	Q19(Deamidated): 100; S22(Phospho): 97.86	S(7): 0.0; T(11): 0.0; T(13): 0.0; S(21): 2.1; S(22): 97.9	GAPAQPSsPDARRNG	S22;	High	2640.21402					1	1	34.44	High	0.3235	4.847137928	High	0.0227	Yes
NP_078874.2	79650	42716283	USB1	U6 snRNA phosphodiesterase isoform 1 [Homo sapiens]	S36	1.72	1.21	RGQsPLPR	1	3	2	1	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	GSHRRGQsPLPRQRF	S4;	High	1219.650987					1	1	34.43	High	0.5588	3.129071474	High	0.4856	Yes
NP_001122080.1	23005	190684677	MAPKBP1	mitogen-activated protein kinase-binding protein 1 isoform b [Homo sapiens]	S819	1.15	0.72	ALASVPsPALPR	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(4): 0.0; S(7): 100.0	KALASVPsPALPRSL	S7;	High	1487.818446					1	1	34.37	High	0.3235	2.648927212	High	0.117	Yes
NP_001243369.1	126526	374248661	C19orf47	uncharacterized protein C19orf47 isoform 1 precursor [Homo sapiens]	S151	1.04	1.6	MITNSLNHDsPPSTPPR	1	2	2	0	1×TMT6plex [N-Term]; 1×Oxidation [M1(100)]; 1×Phospho [S10(100)]	M1(Oxidation): 100; S10(Phospho): 100	T(3): 0.0; S(5): 0.0; S(10): 100.0; S(13): 0.0; T(14): 0.0	TNSLNHDsPPSTPPR	S10;	High	2189.025949					1	1	34.33	High	0.4412	2.860332251	High	0.2308	Yes
NP_001157683.1	23143	256017174	LRCH1	leucine-rich repeat and calponin homology domain-containing protein 1 isoform 1 [Homo sapiens]	S327	1.62	1.35	DSDSGVGsDNGDKR	1	3	3	1	2×TMT6plex [N-Term; K13]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(2): 0.0; S(4): 0.0; S(8): 100.0	DSDSGVGsDNGDKRL	S8;	High	1946.885699					1	1	34.32	High	0.3529	3.311670065	High	0.2266	No
NP_001078846.1	4163	146229340	MCC	colorectal mutant cancer protein isoform 1 [Homo sapiens]	S871	1.11	0.76	MRsLSSTSSGSK	1	2	2	1	2×TMT6plex [N-Term; K12]; 1×Oxidation [M1(100)]; 1×Phospho [S3(100)]	M1(Oxidation): 100; S3(Phospho): 100	S(3): 100.0; S(5): 0.0; S(6): 0.0; T(7): 0.0; S(8): 0.0; S(9): 0.0; S(11): 0.0	QKEQRMRsLSSTSSG	S3;	High	1781.886886					1	1	34.27	High	0.3824	3.712370396	High	0.1779	No
NP_065823.1	57532	32698730	NUFIP2	nuclear fragile X mental retardation-interacting protein 2 [Homo sapiens]	S572	1.37	0.93	TsPQVLGSILK	1	1	3	0	2×TMT6plex [N-Term; K11]; 1×Phospho [S2(100)]	S2(Phospho): 100	T(1): 0.0; S(2): 100.0; S(8): 0.0	YELEKRTsPQVLGSI	S2;	High	1680.970145					1	1	34.26	High	0.1765	3.766652822	High	0.0424	Yes
NP_001231931.1	4782	350529396	NFIC	nuclear factor 1 C-type isoform 1 [Homo sapiens]	S194	0.57	1.03	DAEQSGsPR	1	5	2	0	1×TMT6plex [N-Term]; 1×Phospho [S7(99.3)]	S7(Phospho): 99.26	S(5): 0.7; S(7): 99.3	RDAEQSGsPRTGMGS	S7;	High	1255.551727					1	1	34.17	High	0.0882	3.194954157	High	0.1599	Yes
NP_001259004.1	9100	440918695	USP10	ubiquitin carboxyl-terminal hydrolase 10 isoform 1 [Homo sapiens]	S374	0.7	1.25	YSPPAIsPLVSEK	1	2	2	0	2×TMT6plex [N-Term; K13]; 1×Phospho [S7(100)]	S7(Phospho): 100	Y(1): 0.0; S(2): 0.0; S(7): 100.0; S(11): 0.0	KYSPPAIsPLVSEKQ	S7;	High	1926.038953					1	1	34.16	High	0.3824	3.633030653	High	0.303	No
NP_036382.2	22800	21361416	RRAS2	ras-related protein R-Ras2 isoform a [Homo sapiens]	S186	0.81	1.25	FQEQECPPsPEPTRK	1	3	4	1	2×TMT6plex [N-Term; K15]; 1×Carbamidomethyl [C6]; 1×Phospho [S9(100)]	S9(Phospho): 100	S(9): 100.0; T(13): 0.0	QEQECPPsPEPTRKE	S9;	High	2368.140868	5.19	15.94	5.9	28.7	2	2	34.14	High	0.4118	5.268331528	High	0.1214	Yes
NP_112181.2	81610	116235448	FAM83D	protein FAM83D [Homo sapiens]	S492	0.87	0.75	GTQSTEGsPVSK	1	1	2	0	2×TMT6plex [N-Term; K12]; 1×Phospho [S8(100)]	S8(Phospho): 100	T(2): 0.0; S(4): 0.0; T(5): 0.0; S(8): 100.0; S(11): 0.0	GTQSTEGsPVSKMSV	S8;	High	1715.861717					1	1	34.13	High	0.4412	2.977973938	High	0.3221	No
NP_004860.2	9525	17865802	VPS4B	vacuolar protein sorting-associated protein 4B [Homo sapiens]	S102	0.68	1.68	EGQPSPADEKGNDsDGEGESDDPEK	1	1	3	1	3×TMT6plex [N-Term; K10; K25]; 1×Phospho [S14(100)]	S14(Phospho): 100	S(5): 0.0; S(14): 100.0; S(20): 0.0	ADEKGNDsDGEGESD	S14;	High	3356.489424	10.35	12.4	10	30.2	2	2	34.12	High	0.4412	5.32857132	High	0.2158	Yes
NP_004757.1	9276	4758032	COPB2	coatomer subunit beta' [Homo sapiens]	S859	1.89	1.11	STAQQELDGKPAsPTPVIVASHTANKEEK	1	1	6	1	4×TMT6plex [N-Term; K10; K26; K29]; 1×Phospho [S13(98.3)]	S13(Phospho): 98.34	S(1): 0.0; T(2): 0.0; S(13): 98.3; T(15): 1.7; S(21): 0.0; T(23): 0.0	ELDGKPAsPTPVIVA	S13;	High	4030.166791	2.79	1.69	7.5	2.7	2	2	34.1	High	0.6471	10.37841225	High	0.026	Yes
NP_056342.3	26000	167614488	TBC1D10B	TBC1 domain family member 10B [Homo sapiens]	S22	0.67	1.04	RHGAPAAPsPPPR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	HGAPAAPsPPPRGSR	S9;	High	1619.83689					1	1	34.1	High	1	4.243154049	High	0.6321	Yes
NP_005960.1	4676	5174613	NAP1L4	nucleosome assembly protein 1-like 4 [Homo sapiens]	S125	0.91	5.05	EFITGDVEPTDAESEWHsENEEEEKLAGDMK	1	1	2	1	3×TMT6plex [N-Term; K25; K31]; 1×Oxidation [M30(100)]; 1×Phospho [S18(100)]	S18(Phospho): 100; M30(Oxidation): 100	T(4): 0.0; T(10): 0.0; S(14): 0.0; S(18): 100.0	DAESEWHsENEEEEK	S18;	High	4334.9779					1	1	34.09	High	0.3235	5.345384121	High	0.1944	Yes
NP_001171669.1	2017	296080746	CTTN	src substrate cortactin isoform c [Homo sapiens]	S381	1.1	6.24	LPSsPVYEDAASFK	1	3	5	0	2×TMT6plex [N-Term; K14]; 1×Phospho [S4(99)]	S4(Phospho): 99.04	S(3): 1.0; S(4): 99.0; Y(7): 0.0; S(12): 0.0	TEERLPSsPVYEDAA	S4;	High	2049.034596					1	1	34.09	High	0.4706	3.688464403	High	0.0163	Yes
NP_055855.2	200576	121583483	PIKFYVE	1-phosphatidylinositol 3-phosphate 5-kinase isoform 2 [Homo sapiens]	S329	0.18	0.92	SGSPMVPSYETSVsPQANR	1	3	3	0	1×TMT6plex [N-Term]; 1×Oxidation [M5(100)]; 1×Phospho [S14(99.9)]	M5(Oxidation): 100; S14(Phospho): 99.92	S(1): 0.0; S(3): 0.0; S(8): 0.0; Y(9): 0.0; T(11): 0.0; S(12): 0.1; S(14): 99.9	PSYETSVsPQANRTY	S14;	High	2319.052558					1	1	34.09	High	0.2941	3.336756945	High	0.1018	Yes
NP_114402.1	57446	14165266	NDRG3	protein NDRG3 isoform a [Homo sapiens]	T329; S331	0.96	1.44	SRtHsTSSSLGSGESPFSR	1	2	4	1	1×TMT6plex [N-Term]; 2×Phospho [T3(98.3); S5(100)]	T3(Phospho): 98.32; S5(Phospho): 100	S(1): 1.7; T(3): 98.3; S(5): 100.0; T(6): 0.0; S(7): 0.0; S(8): 0.0; S(9): 0.0; S(12): 0.0; S(15): 0.0; S(18): 0.0	TRLARSRtHSTSSSL;LARSRTHsTSSSLGS	T3; S5;	High	2356.016915	60.01	9.77	96.9	20.1	2	2	34.08	High	0.2353	5.939348221	High	0.0909	Yes;Yes
NP_004422.2	1969	32967311	EPHA2	ephrin type-A receptor 2 precursor [Homo sapiens]	S897	1.06	0.71	VSIRLPsTSGSEGVPFR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 99.98	S(2): 0.0; S(7): 100.0; T(8): 0.0; S(9): 0.0; S(11): 0.0	RVSIRLPsTSGSEGV	S7;	High	2098.089536					1	1	34.08	High	0.0882	4.051579475	High	0.0593	Yes
NP_056365.1	26031	14149704	OSBPL3	oxysterol-binding protein-related protein 3 isoform a [Homo sapiens]	S425	1.24	1.28	SGDNLAEENsRDENR	1	2	4	1	1×TMT6plex [N-Term]; 1×Phospho [S10(100)]	S10(Phospho): 100	S(1): 0.0; S(10): 100.0	DNLAEENsRDENRAL	S10;	High	2014.866471	0.1	4.38	0.2	7.9	2	2	34.07	High	0.9412	4.296038628	High	0.6279	Yes
NP_001258928.1	85440	431822375	DOCK7	dedicator of cytokinesis protein 7 isoform 1 [Homo sapiens]	S1421	0.84	0.79	GQLERsPSGSAFGSQENLR	1	3	2	1	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(8): 0.0; S(10): 0.0; S(14): 0.0	SRGQLERsPSGSAFG	S6;	High	2329.113518					1	1	34.07	High	0.2941	3.968881845	High	0.136	Yes
NP_001983.2	2149	166362740	F2R	proteinase-activated receptor 1 precursor [Homo sapiens]	S396	0.39	0.54	ESSDPSsYNSSGQLMASK	1	1	3	0	2×TMT6plex [N-Term; K18]; 1×Oxidation [M15(100)]; 1×Phospho [S7(97.7)]	S7(Phospho): 97.74; M15(Oxidation): 100	S(2): 0.0; S(3): 0.0; S(6): 2.2; S(7): 97.7; Y(8): 0.1; S(10): 0.1; S(11): 0.0; S(17): 0.0	KESSDPSsYNSSGQL	S7;	High	2429.094372					1	1	34.07	High	0.1765	3.018954039	High	0.0397	Yes
NP_005553.2	3918	157419138	LAMC2	laminin subunit gamma-2 isoform a precursor [Homo sapiens]	S999	0.58	0.48	ALGsAAADAQR	1	2	2	0	1×TMT6plex [N-Term]; 1×Deamidated [Q10(100)]; 1×Phospho [S4(100)]	S4(Phospho): 100; Q10(Deamidated): 100	S(4): 100.0	QAERALGsAAADAQR	S4;	High	1340.640876					1	1	34.07	High	1	2.76218605	High	0.4601	No
NP_001123910.1	6709	194595509	SPTAN1	spectrin alpha chain, non-erythrocytic 1 isoform 1 [Homo sapiens]	S1217	0.62	1.22	WRsLQQLAEER	1	3	3	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	ELNERWRsLQQLAEE	S3;	High	1724.86825	57.13	18.96	53.9	33.5	2	2	34.06	High	0.7941	4.796839237	High	0.5771	Yes
NP_001128342.1	170954	199559805	PPP1R18	phostensin [Homo sapiens]	S401	0.8	0.82	ALQNCCSVPsPLPPEDAGTGGLR	1	1	2	0	1×TMT6plex [N-Term]; 2×Carbamidomethyl [C5; C6]; 1×Phospho [S10(100)]	S10(Phospho): 100	S(7): 0.0; S(10): 100.0; T(19): 0.0	QNCCSVPsPLPPEDA	S10;	High	2705.262568					1	1	34.03	High	0.2941	3.355466366	High	0.2411	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5448	0.55	1.62	IsAPNVDFNLEGPK	1	1	2	0	2×TMT6plex [N-Term; K14]; 1×Phospho [S2(100)]	S2(Phospho): 100	S(2): 100.0	NLKGPRIsAPNVDFN	S2;	High	2039.061479					1	1	34.01	High	0.9706	5.317839622	High	0.6767	Yes
NP_001107018.1	51474	165905589	LIMA1	LIM domain and actin-binding protein 1 isoform 1 [Homo sapiens]	S15	0.93	1.19	RQWTSLsLR	1	2	2	1	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	T(4): 0.0; S(5): 0.0; S(7): 100.0	RRQWTSLsLRVTAKE	S7;	High	1455.76708					1	1	34.01	High	0.2353	4.267282009	High	0.1218	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1621	1.27	1.45	ASRVPSsDEEVVEEPQSR	1	1	4	1	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S7(Phospho): 98.43	S(2): 0.0; S(6): 1.5; S(7): 98.4; S(17): 0.0	RASRVPSsDEEVVEE	S7;	High	2310.081215	32.46	10.08	63.4	20.9	2	2	34	High	0.2647	4.260682106	High	0.0117	Yes
NP_036382.2	22800	21361416	RRAS2	ras-related protein R-Ras2 isoform a [Homo sapiens]	S186	1.02	1.67	FQEQECPPsPEPTR	1	3	3	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C6]; 1×Phospho [S9(100)]	S9(Phospho): 99.99	S(9): 100.0; T(13): 0.0	QEQECPPsPEPTRKE	S9;	High	2010.882973					1	1	34	High	0.0294	4.189586639	High	0.0979	Yes
NP_001229488.1	9448	336020358	MAP4K4	mitogen-activated protein kinase kinase kinase kinase 4 isoform 4 [Homo sapiens]	S656	1.29	1.7	DSPLQGSGQQNSQAGQRNsTSIEPR	1	2	3	1	1×TMT6plex [N-Term]; 1×Phospho [S19(98.2)]	S19(Phospho): 98.22	S(2): 0.0; S(7): 0.0; S(12): 1.7; S(19): 98.2; T(20): 0.0; S(21): 0.0	SQAGQRNsTSIEPRL	S19;	High	2951.380585					1	1	33.99	High	0.0588	3.703816175	High	0.0432	Yes
NP_006245.2	5580	31377782	PRKCD	protein kinase C delta type [Homo sapiens]	S304	1.25	4	RSDsASSEPVGIYQGFEK	1	1	2	1	2×TMT6plex [N-Term; K18]; 1×Phospho [S4(99)]	S4(Phospho): 98.95	S(2): 0.0; S(4): 99.0; S(6): 0.0; S(7): 1.0; Y(13): 0.0	RASRRSDsASSEPVG	S4;	High	2495.221955					1	1	33.98	High	0.0882	3.643273354	High	0.0659	Yes
NP_612144.1	151636	19923717	DTX3L	E3 ubiquitin-protein ligase DTX3L [Homo sapiens]	S221	0.86	1.41	DSCIsPSEPETK	1	1	2	0	2×TMT6plex [N-Term; K12]; 1×Carbamidomethyl [C3]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(2): 0.0; S(5): 100.0; S(7): 0.0; T(11): 0.0	QERDSCIsPSEPETK	S5;	High	1887.881132					1	1	33.98	High	0.2353	3.034695864	High	0.1056	Yes
NP_055635.3	9868	54607135	TOMM70A	mitochondrial import receptor subunit TOM70 [Homo sapiens]	S91	0.37	1.64	AsPAPGSGHPEGPGAHLDMNSLDR	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; S(7): 0.0; S(21): 0.0	KTPEGRAsPAPGSGH	S2;	High	2679.218394	27.37	5.31	14.5	12.4	2	2	33.97	High	0.2059	8.362803459	High	0.1423	Yes
NP_056285.1	26056	24308075	RAB11FIP5	rab11 family-interacting protein 5 [Homo sapiens]	S307	0.48	5.37	TYsDEANQMR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; Y(2): 0.0; S(3): 100.0	FTHKRTYsDEANQMR	S3;	High	1523.63989					1	1	33.92	High	0.5	3.327138662	High	0.1021	Yes
NP_005443.3	9277	256773176	WDR46	WD repeat-containing protein 46 isoform 1 [Homo sapiens]	S41	1.61	0.98	RYWEEETVPTTAGAsPGPPR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S15(100)]	S15(Phospho): 100	Y(2): 0.0; T(7): 0.0; T(10): 0.0; T(11): 0.0; S(15): 100.0	VPTTAGAsPGPPRNK	S15;	High	2510.191434					1	1	33.9	High	0.3235	4.501783848	High	0.1111	Yes
NP_001269677.1	7091	544224628	TLE4	transducin-like enhancer protein 4 isoform 1 [Homo sapiens]	S208	0.88	0.88	SSSVsPSASFR	1	5	2	0	1×TMT6plex [N-Term]; 1×Phospho [S5(99.2)]	S5(Phospho): 99.21	S(1): 0.0; S(2): 0.0; S(3): 0.0; S(5): 99.2; S(7): 0.8; S(9): 0.0	SIKSSSVsPSASFRG	S5;	High	1420.667091					1	1	33.89	High	0.3235	3.777997017	High	0.0582	Yes
NP_055475.2	9678	55769548	PHF14	PHD finger protein 14 [Homo sapiens]	S302	1.7	1.39	SNEDsLILEK	1	1	2	0	2×TMT6plex [N-Term; K10]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; S(5): 100.0	QSKSNEDsLILEKSQ	S5;	High	1685.876304					1	1	33.89	High	0.7941	3.075525045	High	0.3506	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells
Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_002220.1	3726	4504809	JUNB	transcription factor jun-B [Homo sapiens]	T255	0.85	0.93	DAtPPVSPINMEDQER	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M11(100)]; 1ﾗPhospho [T3(100)]	T3(Phospho): 100; M11(Oxidation): 100	T(3): 100.0; S(7): 0.0	EARSRDAtPPVSPIN	T3;	High	2123.951781					1	1	33.88	High	0.6765	2.88202858	High	0.3194	Yes
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S177	1.04	1.56	KAEGEPQEEsPLK	1	4	3	1	3ﾗTMT6plex [N-Term; K13; K]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	S(10): 100.0	EGEPQEEsPLKSKSQ	S10;	High	2209.172041	18.85	10.61	28.2	23.7	2	2	33.87	High	0.9412	5.45264864	High	0.6018	Yes
NP_777576.1	197131	28372497	UBR1	E3 ubiquitin-protein ligase UBR1 [Homo sapiens]	T21	0.26	5.65	MEISAELPQtPQR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T10(100)]	T10(Phospho): 100	S(4): 0.0; T(10): 100.0	ISAELPQtPQRLASW	T10;	High	1808.881517					1	1	33.87	High	0.6471	3.372877836	High	0.4392	Yes
NP_002379.3	4172	394582093	MCM3	DNA replication licensing factor MCM3 isoform 1 [Homo sapiens]	S717; T719	1.15	0.79	SEDEsEtEDEEEKSQEDQEQK	1	2	4	1	3ﾗTMT6plex [N-Term; K13; K21]; 2ﾗPhospho [S5(100); T7(100)]	S5(Phospho): 100; T7(Phospho): 100	S(1): 0.0; S(5): 100.0; T(7): 100.0; S(14): 0.0	KKRSEDEsETEDEEE;RSEDESEtEDEEEKS	S5; T7;	High	3375.412887					1	1	33.83	High	0.1176	3.27615118	High	0.0366	No;No
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S2426	1.43	0.29	MTSERAPsPSSR	1	1	4	1	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M1(100)]; 1ﾗPhospho [S8(100)]	M1(Oxidation): 100; S8(Phospho): 100	T(2): 0.0; S(3): 0.0; S(8): 100.0; S(10): 0.0; S(11): 0.0	MTSERAPsPSSRMGQ	S8;	High	1630.745752	7.34	25.63	15	10.6	2	2	33.83	High	0.1765	3.099744797	High	0.1516	Yes
NP_065804.2	57513	217416347	CASKIN2	caskin-2 isoform a [Homo sapiens]	S403	0.87	0.75	VGLSPDSPAGDRNsVGSEGSVGSIR	1	2	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S14(100)]	S14(Phospho): 99.96	S(4): 0.0; S(7): 0.0; S(14): 100.0; S(17): 0.0; S(20): 0.0; S(23): 0.0	SPAGDRNsVGSEGSV	S14;	High	2709.304232	27.73	12.57	34.9	13.4	2	2	33.81	High	0.3529	5.375788689	High	0.1264	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1138	0.85	0.95	VSGAGFsPSSK	1	1	3	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(2): 0.0; S(7): 100.0; S(9): 0.0; S(10): 0.0	RVSGAGFsPSSKMEG	S7;	High	1561.802745	9	6.33	10.8	8.5	2	2	33.8	High	0.3235	3.554911613	High	0.1549	Yes
NP_056988.3	9669	84043963	EIF5B	eukaryotic translation initiation factor 5B [Homo sapiens]	S214	1.23	1.19	NKPGPNIEsGNEDDDASFK	1	1	5	0	3ﾗTMT6plex [N-Term; K2; K19]; 1ﾗDeamidated [N1(100)]; 1ﾗPhospho [S9(100)]	N1(Deamidated): 100; S9(Phospho): 100	S(9): 100.0; S(17): 0.0	KPGPNIEsGNEDDDA	S9;	High	2802.34381	31.96	13.13	60	22.4	2	2	33.79	High	0.1765	4.223966122	High	0.218	Yes
NP_002696.3	5493	45439327	PPL	periplakin [Homo sapiens]	S887	0.35	0.17	NRPDsGVEEAWK	1	1	2	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	LQRNRPDsGVEEAWK	S5;	High	1925.952263					1	1	33.77	High	0.8235	3.267023087	High	0.6544	Yes
NP_536350.2	2778	117938759	GNAS	protein GNAS isoform XLas [Homo sapiens]	S995	1.15	0.96	ISTAsGDGR	1	5	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(99.4)]	S5(Phospho): 99.04	S(2): 0.0; T(3): 1.0; S(5): 99.0	FLRISTAsGDGRHYC	S5;	High	1172.550998	20.16	22.95	33.6	31.8	2	2	33.75	High	0.3235	2.774873495	High	0.0505	No
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1064	0.37	1.87	GQSQTsPDHR	1	1	8	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T/S]	S6(Phospho): 99.07	S(3): 0.0; T(5): 0.9; S(6): 99.1	LKGQSQTsPDHRSDT	S6;	High	1421.637188	22.18	2.19	11.6	5.8	2	2	33.74	High	0.3529	3.967771053	High	0.0781	Yes
NP_001180197.1	24139	300795584	EML2	echinoderm microtubule-associated protein-like 2 isoform 1 [Homo sapiens]	S162	0.99	1.07	VGGYATSPSsPK	1	2	2	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S10(100)]	S10(Phospho): 99.99	Y(4): 0.0; T(6): 0.0; S(7): 0.0; S(9): 0.0; S(10): 100.0	GYATSPSsPKKEATS	S10;	High	1688.866074					1	1	33.72	High	0.2059	3.838457823	High	0.125	Yes
NP_001015055.1	6242	62739179	RTKN	rhotekin isoform a [Homo sapiens]	S543	1.02	0.98	SVAPLPPQRsPR	1	3	7	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	S(1): 0.0; S(10): 100.0	APLPPQRsPRTRGLC	S10;	High	1613.872607	5.28	8.09	13.3	19.5	6	6	33.71	High	0.5882	4.736424923	High	0.5612	Yes
NP_543157.1	1627	18426913	DBN1	drebrin isoform b [Homo sapiens]	S339	0.37	45.07	MAPTPIPTRsPSDSSTASTPVAEQIER	1	2	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S10(98.6)]	S10(Phospho): 98.63	T(4): 0.0; T(8): 1.4; S(10): 98.6; S(12): 0.0; S(14): 0.0; S(15): 0.0; T(16): 0.0; S(18): 0.0; T(19): 0.0	PTPIPTRsPSDSSTA	S10;	High	3135.523075					1	1	33.67	High	0.0588	4.218729973	High	0.0332	No
NP_079110.1	79892	13376243	MCMBP	mini-chromosome maintenance complex-binding protein isoform 1 [Homo sapiens]	S298	0.17	1.1	VHsPPASLVPR	1	3	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(7): 0.0	AEEQRVHsPPASLVP	S3;	High	1468.787481					1	1	33.67	High	0.7059	3.414967775	High	0.5279	Yes
NP_851607.2	57147	170784850	SCYL3	protein-associating with the carboxyl-terminal domain of ezrin isoform 2 [Homo sapiens]	S707	1.64	0.46	KDDVsPVMQFSSK	1	2	2	1	3ﾗTMT6plex [N-Term; K13; K]; 1ﾗOxidation [M8(100)]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100; M8(Oxidation): 100	S(5): 100.0; S(11): 0.0; S(12): 0.0	VPKKDDVsPVMQFSS	S5;	High	2251.164848					1	1	33.67	High	1	2.851054192	High	0.5509	Yes
NP_031397.1	8019	11067749	BRD3	bromodomain-containing protein 3 [Homo sapiens]	S263	1.18	1.2	SEsPPPLSDPK	1	1	11	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(8): 0.0	ITASRSEsPPPLSDP	S3;	High	1691.865739	3.1	0.05	6.4	0.1	3	3	33.66	High	0.2941	4.488674641	High	0.0445	Yes
NP_705618.1	9631	24430149	NUP155	nuclear pore complex protein Nup155 isoform 1 [Homo sapiens]	S992	0.81	1.05	AAPQsPSVPK	1	3	2	0	2ﾗTMT6plex [N-Term; K10]; 1ﾗDeamidated [Q4(100)]; 1ﾗPhospho [S5(100)]	Q4(Deamidated): 100; S5(Phospho): 99.99	S(5): 100.0; S(7): 0.0	QSKAAPQsPSVPKKP	S5;	High	1520.812582					1	1	33.66	High	0.2647	3.010580301	High	0.093	Yes
NP_036440.1	22992	16306580	KDM2A	lysine-specific demethylase 2A isoform a [Homo sapiens]	S692	1.62	0.86	KMEEsDEEAVQAK	1	2	2	1	3ﾗTMT6plex [N-Term; K13; K]; 1ﾗOxidation [M2(100)]; 1ﾗPhospho [S5(100)]	M2(Oxidation): 100; S5(Phospho): 100	S(5): 100.0	QKRKMEEsDEEAVQA	S5;	High	2277.128856					1	1	33.65	High	1	3.22938776	High	0.5139	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5731	1.35	0.39	GGVTGsPEASISGSKGDLK	1	1	4	1	3ﾗTMT6plex [N-Term; K15; K19]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	T(4): 0.0; S(6): 100.0; S(10): 0.0; S(12): 0.0; S(14): 0.0	GKGGVTGsPEASISG	S6;	High	2514.34196	12	15.81	23.1	8.6	2	2	33.64	High	0.2647	5.522003174	High	0.0489	Yes
NP_003680.2	8574	41327764	AKR7A2	aflatoxin B1 aldehyde reductase member 2 [Homo sapiens]	S255	0.92	1.09	FFGNsWAETYR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; T(9): 0.0; Y(10): 0.0	VGRFFGNsWAETYRN	S5;	High	1686.751489					1	1	33.64	High	0.7059	3.690841436	High	0.2493	Yes
NP_003878.1	8853	4502249	ASAP2	arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 2 isoform a [Homo sapiens]	S722	1.44	2.24	EDRPIsFYQLGSNQLQSNAVSLAR	1	2	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; Y(8): 0.0; S(12): 0.0; S(17): 0.0; S(21): 0.0	RREDRPIsFYQLGSN	S6;	High	3002.49343					1	1	33.58	High	0.6176	4.97332716	High	0.0483	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S390; S392	0.42	0.48	LRLsPsPTSQR	1	6	4	1	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q10(100)]; 2ﾗPhospho [S4(100); S6(100)]	S4(Phospho): 100; S6(Phospho): 100; Q10(Deamidated): 100	S(4): 100.0; S(6): 100.0; T(8): 0.0; S(9): 0.0	EEERLRLsPSPTSQR;ERLRLSPsPTSQRSR	S4; S6;	High	1631.77567	10.94	4.73	8	3.9	3	3	33.55	High	0.4118	3.743149996	High	0.3342	Yes;Yes
NP_001184223.1	1809	308818200	DPYSL3	dihydropyrimidinase-related protein 3 isoform 1 [Homo sapiens]	T628	0.3	2.83	GGtPAGSAR	1	2	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; S(7): 0.0	TTTPKGGtPAGSARG	T3;	High	1082.519304					1	1	33.51	High	0.5588	2.642576456	High	0.2765	No
NP_003452.1	7791	4508047	ZYX	zyxin [Homo sapiens]	S259	1.85	2.03	GPPASsPAPAPK	1	1	7	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S6(100)]	S6(Phospho): 99.1	S(5): 0.9; S(6): 99.1	PRGPPASsPAPAPKF	S6;	High	1614.86568	2.1	4.93	5.5	14.2	2	2	33.5	High	0.2059	3.752876997	High	0.032	Yes
NP_056073.1	23307	150010552	FKBP15	FK506-binding protein 15 [Homo sapiens]	S301	1.06	0.87	DSGSDGHsVSSR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	S(2): 0.0; S(4): 0.0; S(8): 100.0; S(10): 0.0; S(11): 0.0	DSGSDGHsVSSRDSA	S8;	High	1499.632496					1	1	33.5	High	0.4412	3.623160601	High	0.1519	Yes
NP_002219.1	3725	4758616	JUN	transcription factor AP-1 [Homo sapiens]	S63	3.93	4.27	NSDLLTsPDVGLLK	1	1	4	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S7(99.2)]	S7(Phospho): 99.23	S(2): 0.0; T(6): 0.8; S(7): 99.2	KNSDLLTsPDVGLLK	S7;	High	2010.092445	1.76	5.72	9.8	35.6	2	2	33.49	High	0.0606	4.329150677	High	0.0762	Yes
NP_001032208.1	116987	80978930	AGAP1	arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1 isoform 1 [Homo sapiens]	S521	0.61	0.81	LDPPPsPHANR	1	2	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	PKLDPPPsPHANRKK	S6;	High	1509.741259	33.65	20.87	29.9	24.2	2	2	33.49	High	1	3.859288454	High	0.6321	Yes
NP_008970.2	11099	150418005	PTPN21	tyrosine-protein phosphatase non-receptor type 21 [Homo sapiens]	S658	0.99	0.91	TLsASAAEVAPR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; S(5): 0.0	RLKERTLsASAAEVA	S3;	High	1481.75624	24.17	5.41	34.8	7	2	2	33.49	High	0.5152	2.904292107	High	0.2724	No
NP_002410.1	4296	4505195	MAP3K11	mitogen-activated protein kinase kinase kinase 11 [Homo sapiens]	S507	1.99	1.31	ITVQAsPGLDR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	T(2): 0.0; S(6): 100.0	HRITVQAsPGLDRRR	S6;	High	1465.761325					1	1	33.48	High	0.7273	2.844917774	High	0.338	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1124	0.47	4.67	GEFSAsPMLK	1	1	6	0	2ﾗTMT6plex [N-Term; K10]; 1ﾗOxidation [M8(100)]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100; M8(Oxidation): 100	S(4): 0.0; S(6): 100.0	DRGEFSAsPMLKSGM	S6;	High	1620.810868	168.33	48.03	157.9	15374.9	2	2	33.43	High	0.4848	3.467963934	High	0.2536	Yes
NP_919277.2	253959	51230412	RALGAPA1	ral GTPase-activating protein subunit alpha-1 isoform 2 [Homo sapiens]	S860	0.99	1.49	RGsSPGSLEIPK	1	4	4	1	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(4): 0.0; S(7): 0.0	STMTRRGsSPGSLEI	S3;	High	1765.961371					1	1	33.41	High	0.0303	6.203515053	High	0.0339	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S301	0.47	0.73	IDsLSAQLSQLQK	1	6	2	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; S(5): 0.0; S(9): 0.0	QSRIRIDsLSAQLSQ	S3;	High	1969.077129					1	1	33.41	High	0.3939	5.602954388	High	0.0732	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S407	0.69	0.92	ASSHSsQTQGGGSVTK	1	6	5	0	2ﾗTMT6plex [N-Term; K16]; 1ﾗDeamidated [Q9(100)]; 2ﾗPhospho [S6(98.2); S/T]	S2(Phospho): 50; S3(Phospho): 50; S6(Phospho): 98.33; Q9(Deamidated): 100	S(2): 50.0; S(3): 50.0; S(5): 1.7; S(6): 98.3; T(8): 0.0; S(13): 0.0; T(15): 0.0	GRASSHSsQTQGGGS	S6;	High	2137.95683	37.31	7.65	37.5	10	2	2	33.4	High	0.0909	3.14208746	High	0.0223	Yes
NP_005091.2	9590	21493022	AKAP12	A-kinase anchor protein 12 isoform 1 [Homo sapiens]	S612	9.49	2.02	EGVTPWAsFK	1	2	2	0	2ﾗTMT6plex [N-Term; K10]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	T(4): 0.0; S(8): 100.0	EGVTPWAsFKKMVTP	S8;	High	1659.854781					1	1	33.4	High	0.8182	2.815636873	High	0.3475	Yes
NP_056138.1	23376	24308039	UFL1	E3 UFM1-protein ligase 1 [Homo sapiens]	S458	1.21	0.31	KDDDsDDESQSSHTGK	1	1	4	1	3ﾗTMT6plex [N-Term; K16; K]; 1ﾗDeamidated [Q10(100)]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100; Q10(Deamidated): 100	S(5): 100.0; S(9): 0.0; S(11): 0.0; S(12): 0.0; T(14): 0.0	KGRKDDDsDDESQSS	S5;	High	2519.138963	5.54	106.63	9.5	49.3	2	2	33.39	High	0.4545	5.73973608	High	0.2213	Yes
NP_938204.2	80790	194018550	CMIP	C-Maf-inducing protein isoform C-Mip [Homo sapiens]	S377	0.22	1.13	LLHPsPDLVSQEATLSEAR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(10): 0.0; T(14): 0.0; S(16): 0.0	PLRLLHPsPDLVSQE	S5;	High	2372.206022					1	1	33.38	High	0.6667	4.368229389	High	0.3227	Yes
NP_005917.2	4236	50726968	MFAP1	microfibrillar-associated protein 1 [Homo sapiens]	T267	1.37	2.18	SLAALDALNtDDENDEEEYEAWK	1	1	2	0	2ﾗTMT6plex [N-Term; K23]; 1ﾗPhospho [T10(100)]	T10(Phospho): 100	S(1): 0.0; T(10): 100.0; Y(19): 0.0	AALDALNtDDENDEE	T10;	High	3179.434586					1	1	33.37	High	0.5758	4.881587029	High	0.2193	Yes
NP_006747.1	6917	5803191	TCEA1	transcription elongation factor A protein 1 isoform 1 [Homo sapiens]	S100	0.81	0.75	EPAITSQNsPEAR	1	2	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S9(99.1)]	S9(Phospho): 99.97	T(5): 0.0; S(6): 0.0; S(9): 100.0	PAITSQNsPEAREES	S9;	High	1708.81046					1	1	33.32	High	0.3939	3.073384285	High	0.0879	Yes
NP_116114.1	84811	14249338	BUD13	BUD13 homolog isoform 1 [Homo sapiens]	S235	1.47	1.04	HGsSDISSPR	1	1	7	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S]	S3(Phospho): 99.99	S(3): 100.0; S(4): 0.0; S(7): 0.0; S(8): 0.0	PRRARHGsSDISSPR	S3;	High	1351.620475	13.77	17.68	29.2	26.5	2	2	33.31	High	0.2121	3.392910004	High	0.0177	Yes
NP_001006666.1	6195	55743134	RPS6KA1	ribosomal protein S6 kinase alpha-1 isoform b [Homo sapiens]	S372	1.02	0.62	TPKDsPGIPPSAGAHQLFR	1	2	9	1	2ﾗTMT6plex [N-Term; K3]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	T(1): 0.0; S(5): 100.0; S(11): 0.0	TSRTPKDsPGIPPSA	S5;	High	2514.327029	5.63	9.36	14.2	14.4	6	6	33.3	High	0.2121	7.503534794	High	0.1	No
NP_004317.2	607	72256200	BCL9	B-cell CLL/lymphoma 9 protein [Homo sapiens]	T315	1.15	2.68	AVtPVSQGSNSSSADPK	1	1	2	0	2ﾗTMT6plex [N-Term; K17]; 1ﾗPhospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; S(6): 0.0; S(9): 0.0; S(11): 0.0; S(12): 0.0; S(13): 0.0	TPNNRAVtPVSQGSN	T3;	High	2170.079314					1	1	33.29	High	0.5455	3.255157709	High	0.2638	Yes
NP_060917.1	55831	8923857	EMC3	ER membrane protein complex subunit 3 [Homo sapiens]	T204	4.28	0.32	MMQEQMtGAAMAMPADTNK	1	1	3	0	2ﾗTMT6plex [N-Term; K19]; 1ﾗOxidation [M13(100)]; 1ﾗPhospho [T7(100)]	T7(Phospho): 100; M13(Oxidation): 100	T(7): 100.0; T(17): 0.0	RMMQEQMtGAAMAMP	T7;	High	2611.149995					1	1	33.29	High	0.4545	3.245669603	High	0.1138	No
NP_001242941.1	4628	365192532	MYH10	myosin-10 isoform 1 [Homo sapiens]	S2006	0.75	1.97	TSDVNETQPPQsE	1	3	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S12(100)]	S12(Phospho): 100	T(1): 0.0; S(2): 0.0; T(7): 0.0; S(12): 100.0	NETQPPQsE_	S12;	High	1740.752671					1	1	33.27	High	0.3939	2.709536552	High	0.4723	No
NP_006065.2	10346	117938316	TRIM22	E3 ubiquitin-protein ligase TRIM22 isoform 1 [Homo sapiens]	S383	1.57	1.25	KsSGFAFDPSVNYSK	1	2	4	1	3ﾗTMT6plex [N-Term; K15; K]; 1ﾗPhospho [S2(100)]	S2(Phospho): 99.99	S(2): 100.0; S(3): 0.0; S(10): 0.0; Y(13): 0.0; S(14): 0.0	SSLNKRKsSGFAFDP	S2;	High	2401.240789					1	1	33.26	High	0.9091	3.658774137	High	0.0464	Yes
NP_361013.3	7798	216548085	LUZP1	leucine zipper protein 1 [Homo sapiens]	S574	1.51	2.11	RSsSEGLSK	1	1	2	1	2ﾗTMT6plex [N-Term; K9]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(2): 0.0; S(3): 100.0; S(4): 0.0; S(8): 0.0	LASSRRSsSEGLSKG	S3;	High	1488.782344					1	1	33.24	High	0.3636	4.382837296	High	0.0913	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	S349; S352	1.3	1.6	GSLAsLDsLR	1	15	3	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S5(98.6); S8(100)]	S5(Phospho): 98.61; S8(Phospho): 100	S(2): 1.4; S(5): 98.6; S(8): 100.0	HERGSLAsLDSLRKG;GSLASLDsLRKGGPP	S5; S8;	High	1407.648343					1	1	33.24	High	0.5152	3.038819313	High	0.4572	Yes;Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5841	0.96	1.64	SKGHYEVTGsDDETGK	1	1	5	1	3ﾗTMT6plex [N-Term; K2; K16]; 1ﾗPhospho [S10(98.7)]	S10(Phospho): 98.46	S(1): 0.0; Y(5): 0.0; T(8): 1.5; S(10): 98.5; T(14): 0.0	GHYEVTGsDDETGKL	S10;	High	2477.216425	6.9	0.25	9.4	0.6	2	2	33.22	High	0.303	4.705351353	High	0.0701	Yes
NP_001272368.1	253260	550544217	RICTOR	rapamycin-insensitive companion of mTOR isoform 2 [Homo sapiens]	T1295	1.08	0.77	SNSVSLVPPGSSHtLPR	1	3	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T14(100)]	T14(Phospho): 99.98	S(1): 0.0; S(3): 0.0; S(5): 0.0; S(11): 0.0; S(12): 0.0; T(14): 100.0	VPPGSSHtLPRRAQS	T14;	High	2044.042585	32.87	24.74	53.3	27.3	2	2	33.21	High	0.1818	5.088191986	High	0.0727	Yes
NP_612480.1	144097	39930523	C11orf84	uncharacterized protein C11orf84 [Homo sapiens]	S148; S152	1.72	3.49	AEQPsPPNsDSGQDAHPDPDANPDAAR	1	1	2	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S5(100); S9(97.5)]	S5(Phospho): 100; S9(Phospho): 97.52	S(5): 100.0; S(9): 97.5; S(11): 2.5	DVRAEQPsPPNSDSG;EQPSPPNsDSGQDAH	S5; S9;	High	3145.273476					1	1	33.2	High	0.0606	3.361262083	High	0.1875	Yes;Yes
NP_996925.1	2029	46389550	ENSA	alpha-endosulfine isoform 1 [Homo sapiens]	S83	1.38	0.42	YFDsGDYNMAK	1	9	4	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗOxidation [M9(100)]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100; M9(Oxidation): 100	Y(1): 0.0; S(4): 100.0; Y(7): 0.0	EMQKYFDsGDYNMAK	S4;	High	1864.822889					1	1	33.18	High	0.4545	3.719829082	High	0.0968	Yes
NP_116114.1	84811	14249338	BUD13	BUD13 homolog isoform 1 [Homo sapiens]	S248		4.28	RVHNNsPDTSR	1	1	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; T(9): 0.0; S(10): 0.0	PRRVHNNsPDTSRRT	S6;	High	1591.753949						1	33.17	High	0.2424	4.390142441	High	0.1526	Yes
NP_055627.2	9859	109255228	CEP170	centrosomal protein of 170 kDa isoform alpha [Homo sapiens]	S1160; S1165	5.05	2.97	LGsLSARsDSEATISR	1	3	5	1	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S3(100); S8(98.7)]	S3(Phospho): 100; S8(Phospho): 98.27	S(3): 100.0; S(5): 1.7; S(8): 98.3; S(10): 0.0; T(13): 0.0; S(15): 0.0	PRRTRLGsLSARSDS;LGSLSARsDSEATIS	S3; S8;	High	2038.940896	3.99	6.67	29.1	28.6	2	2	33.14	High	0.0606	4.571984291	High	0.0503	Yes;Yes
NP_001265488.1	100131017	514052677	ZNF316	zinc finger protein 316 [Homo sapiens]	S112	1.5	0.9	GGDAKsPVLQEK	1	1	2	1	3ﾗTMT6plex [N-Term; K5; K12]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	SRGGDAKsPVLQEKG	S6;	High	1996.108319					1	1	33.13	High	1	2.895068884	High	0.4621	Yes
NP_003619.2	8502	53829374	PKP4	plakophilin-4 isoform a [Homo sapiens]	S447	4.4	2.04	TGsVGIGNLQR	1	3	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0	TALYRTGsVGIGNLQ	S3;	High	1410.73036					1	1	33.1	High	0.2424	3.556531668	High	0.132	No
NP_001291744.1	23152	756140883	CIC	protein capicua homolog isoform CIC-L [Homo sapiens]	S18	1.1	1.26	ACTGLSGPGSGsKSPPATR	1	1	3	1	2ﾗTMT6plex [N-Term; K13]; 1ﾗCarbamidomethyl [C2]; 1ﾗPhospho [S12(97.8)]	S12(Phospho): 97.78	T(3): 0.0; S(6): 0.0; S(10): 1.1; S(12): 97.8; S(14): 1.1; T(18): 0.0	LSGPGSGsKSPPATR	S12;	High	2326.162667					1	1	33.07	High	0.2121	4.349600792	High	0.0023	No
NP_001269673.1	26010	544346136	SPATS2L	SPATS2-like protein isoform d [Homo sapiens]	S485	0.75	0.94	SQGsGNEAEPLGK	1	4	6	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S4(99.3)]	S4(Phospho): 99.26	S(1): 0.7; S(4): 99.3	GPAKSQGsGNEAEPL	S4;	High	1811.894079	2.43	3.93	2.6	5.2	2	2	33.06	High	0.9697	4.052433491	High	0.0346	No
NP_001172001.1	9069	297374758	CLDN12	claudin-12 [Homo sapiens]	S231	0.83	0.79	SRLsAIEIDIPVVSHTT	1	1	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(98.9)]	S4(Phospho): 98.87	S(1): 1.1; S(4): 98.9; S(14): 0.0; T(16): 0.0; T(17): 0.0	YSARSRLsAIEIDIP	S4;	High	2147.131066					1	1	33.05	High	0.1212	4.511422634	High	0.0288	Yes
NP_689876.2	55103	32441283	RALGPS2	ras-specific guanine nucleotide-releasing factor RalGPS2 isoform 1 [Homo sapiens]	T326; S329	0.44	0.67	SVAAEGALLPQtPPsPR	1	2	3	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [T12(100); S15(100)]	T12(Phospho): 100; S15(Phospho): 100	S(1): 0.0; T(12): 100.0; S(15): 100.0	EGALLPQtPPSPRNL;LLPQTPPsPRNLIPH	T12; S15;	High	2080.007854					1	1	33.05	High	0.9091	4.359501839	High	0.6927	Yes;Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan et al., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells.

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (120/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_872634.1	6733	33188449	SRPK2	SRSF protein kinase 2 isoform a [Homo sapiens]	S508	0.6	0.49	TVSASsTGDLPK	1	2	7	0	2?TMTfplex [N-Term; K12]; 1?Phospho [S6(100)]	S6(Phospho): 99.21	T(1): 0.0; S(3): 0.0; S(5): 0.8; S(6): 99.2; T(7): 0.0	SRTVSAsTGDLPKA	S6;	High	1700.887203					1	1	33.05	High	0.1212	3.597893238	High	0.0361	No
NP_005110.2	9967	167234419	THRAP3	thyroid hormone receptor-associated protein 3 [Homo sapiens]	S682	1.3	1.15	IDkPSTFR	1	1	5	0	1?TMTfplex [N-Term]; 1?Phospho [S4(100)]	S4(Phospho): 100	S4(): 100.0; S(6): 0.0; T(7): 0.0	IHRRIDkPSTFRKH	S4;	High	1344.676199					1	1	33.04	High	0.5455	3.046552181	High	0.0426	Yes
NP_002266.2	3866	24430190	KRT15	keratin, type I cytoskeletal 15 [Homo sapiens]	S56	0.3	0.09	FVSSGsGGGYGGGMR	1	1	2	0	1?TMTfplex [N-Term]; 1?Oxidation [M14(100)]; 1?Phospho [S6(100)]	S6(Phospho): 100, M14(Oxidation): 100	S(3): 0.0; S(4): 0.0; S(6): 100.0; Y(10): 0.0	ARFVSSGsGGGYGGG	S6;	High	1700.730102					1	1	33.03	High	0.1818	3.171051146	High	0.1041	No
NP_031393.2	22913	21396480	RALY	RNA-binding protein Raly isoform 2 [Homo sapiens]	S119	2.4	2.27	GRLsPVPVPR	1	2	7	1	1?TMTfplex [N-Term]; 1?Phospho [S4(100)]	S4(Phospho): 100	S4(): 100.0	FDYRGRLsPVPVPRA	S4;	High	1386.782693	0.95	1.68	4	6.6	3	3	33.02	High	1	3.292381763	High	0.693	No
NP_891554.1	79778	33667117	MICALL2	MICAL-like protein 2 [Homo sapiens]	S122	0.44	0.4	RAsEDSEEEPSGK	1	1	2	1	2?TMTfplex [N-Term; K13]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; S(11): 0.0	MAGVKRAsEDSEEEP	S3;	High	1958.910852			1	1	33	High	0.4242	4.036387444	High	0.1881	No
NP_055726.3	22848	148277037	AAK1	AP2-associated protein kinase 1 [Homo sapiens]	T620; S624	0.86	0.67	VGSLtPPSsPK	1	1	8	0	2?TMTfplex [N-Term; K11]; 2?Phospho [T5(100); S9(100)]	T5(Phospho): 100; S9(Phospho): 99.99	S(3): 0.0; T(5): 100.0, S(8): 0.0; S(9): 100.0	GQKVGSLtPPSSPKT;GSLTPPSsPKTQRAG	T5; S9;	High	1687.847327	3.54	6.45	6.1	8.7	4	4	33	High	0.303	3.512515306	High	0.0456	Yes;Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S2702; S2706	0.93	1.02	RPsPQPsPR	1	1	3	0	1?TMTfplex [N-Term]; 2?Phospho [S3(100); S7(100)]	S3(Phospho): 100; S7(Phospho): 100	S(3): 100.0; S(7): 100.0	PVERRRPsPQPSPRD;RRPSPQPsPRDQQSS	S3; S7;	High	1410.649347	1.71	7.28	2.2	10.5	2	2	33	High	0.7273	2.899348736	High	0.2345	Yes;Yes
NP_005110.2	9967	167234419	THRAP3	thyroid hormone receptor-associated protein 3 [Homo sapiens]	S232	1.31	0.97	ASESSKPWPDATYGTGsASR	1	1	3	0	2?TMTfplex [N-Term; K6]; 1?Phospho [S17(98.2)]	S17(Phospho): 98.18	S(2): 0.0; S(4): 0.0; S(5): 0.0; T(12): 0.0; Y(13): 0.0; T(15): 1.8; S(17): 98.2; S(19): 0.0	DATYGTGsASRASAV	S17;	High	2593.233582					1	1	32.99	High	0.2727	4.174434662	High	0.012	Yes
NP_060537.3	55700	78042577	MAP7D1	MAP7 domain-containing protein 1 isoform 1 [Homo sapiens]	S273	0.57	1.38	sSATLWNSPSR	1	2	2	0	1?TMTfplex [N-Term]; 1?Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(2): 0.0; T(4): 0.0; S(8): 0.0; S(10): 0.0	INKRLSKsSATLWNS	S1;	High	1514.720189					1	1	32.99	High	0.303	3.792669058	High	0.1715	Yes
NP_065779.1	57488	45387945	ESYT2	extended synaptotagmin-2 [Homo sapiens]	S730; S733	0.72	1.8	EPTPSIAsDkLPIATQELR	1	1	2	0	1?TMTfplex [N-Term]; 2?Phospho [S8(100); S11(100)]	S8(Phospho): 99.95; S11(Phospho): 100	T(3): 0.0; S(5): 0.0; S(8): 100.0; S(11): 100.0; T(16): 0.0	EPTPSIAsDILPIAtPSIASDkLPIATQE	S8; S11;	High	2527.229533					1	1	32.99	High	0.1515	3.071964979	High	0.1954	No;No
NP_006203.2	5208	64762406	PFKFB2	6-phosphofructo-2-kinase/fructose-2, 6-bisphosphatase 2 isoform a [Homo sapiens]	S466	1.35	0.98	RNsFTPLSSSNTIR	1	1	4	1	1?TMTfplex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(5): 0.0; S(8): 0.0; S(9): 0.0; S(13): 0.0; T(12): 0.0	PVRMRRNsFTPLSSS	S3;	High	1888.947957	3.65	32.53	6.9	47.4	2	2	32.98	High	0.4848	4.568926603	High	0.1969	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	T5824	3.01	1.51	LKFGtFGGLGSK	1	1	3	1	3?TMTfplex [N-Term; K2; K12]; 1?Phospho [T5(100)]	T5(Phospho): 100	T(5): 100.0; S(11): 0.0	HGKLKFGtFGGLGSK	T5;	High	1979.133411					1	1	32.97	High	0.9697	4.277056694	High	0.3248	Yes
NP_000012.1	5663	4506163	PSEN1	presenilin-1 isoform I-467 [Homo sapiens]	S43	1.3	0.9	sLGHPEPLSNGRPQGNSR	1	2	3	0	1?TMTfplex [N-Term]; 1?Deamidated [N10(100)]; 1?Phospho [S1(100)]	S1(Phospho): 100; N10(Deamidated): 100	S(1): 100.0; S(9): 0.0; S(17): 0.0	QEHNDRRsLGHPEPL	S1;	High	2213.066175	5.51	34.09	10.2	45.6	2	2	32.94	High	0.4545	4.581442833	High	0.1419	Yes
NP_001269095.1	6839	531990830	SUV39H1	histone-lysine N-methyltransferase SUV39H1 isoform 1 [Homo sapiens]	S402	0.8	0.17	MDSNFGLAGLPGsPK	1	2	2	0	2?TMTfplex [N-Term; K15]; 1?Oxidation [M1(100)]; 1?Phospho [S13(100)]	M1(Oxidation): 100; S13(Phospho): 100	S(3): 0.0; S(13): 100.0	GLAGLPGsPKKRVRI	S13;	High	2045.0179					1	1	32.93	High	0.9697	4.116935385	High	0.6408	No
NP_003740.2	8660	38683860	IRS2	insulin receptor substrate 2 [Homo sapiens]	S306	1.4	0.84	SKsQSSGSSATHPISVPGAR	1	1	11	1	2?TMTfplex [N-Term; K2]; 1?Phospho [S3(98.6)]	S3(Phospho): 98.62	S(1): 1.4; S(3): 98.6; S(5): 0.0; S(6): 0.0; S(8): 0.0; S(9): 0.0; T(11): 0.0; S(15): 0.0	EFRPRSKsQSSGSSA	S3;	High	2479.270637	0.2	3.52	0.4	4.2	2	2	32.89	High	0.2121	4.646312237	High	0.028	Yes
NP_037418.3	29890	54607124	RBM15B	putative RNA-binding protein 15B [Homo sapiens]	S109	0.51	4.24	ASGDPGASGMsPR	1	1	2	0	1?TMTfplex [N-Term]; 1?Phospho [S11(100)]	S11(Phospho): 100	S(2): 0.0; S(8): 0.0; S(11): 100.0	DPGASGMsPRASPLP	S11;	High	1498.655874					1	1	32.88	High	0.3636	3.009152651	High	0.1894	Yes
NP_620147.1	123169	20270337	LEO1	RNA polymerase-associated protein LEO1 isoform 1 [Homo sapiens]	S162	0.75	3.86	IQNsDDEER	1	2	2	0	1?TMTfplex [N-Term]; 1?Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	DDEKIQNsDDEERAQ	S4;	High	1414.604884					1	1	32.88	High	1	2.934293509	High	0.6246	Yes
NP_001138678.1	85379	223633988	KIAA1671	uncharacterized protein KIAA1671 [Homo sapiens]	S749	1.36	0.7	VHSEAkPAPEEK	1	1	2	0	2?TMTfplex [N-Term; K13]; 1?Phospho [S7(100)]	S7(Phospho): 100	S(3): 0.0; S(7): 100.0	RVHSEAkPAPEEKA	S7;	High	1931.98798					1	1	32.87	High	0.3636	4.880495548	High	0.2008	Yes
NP_689876.2	55103	32441283	RALGPS2	ras-specific guanine nucleotide-releasing factor RalGPS2 isoform 1 [Homo sapiens]	S296; S308	1.53	0.6	SAAsREDLVGPEVGAsPQSGR	1	2	2	1	1?TMTfplex [N-Term]; 2?Phospho [S4(99.9); S16(100)]	S4(Phospho): 99.94; S16(Phospho): 100	S(1): 0.1; S(4): 99.9; S(16): 100.0, S(19): 0.0	STPRSAAsREDLVGPsVGPEVGAsPQSGRKS	S4; S16;	High	2459.116629					1	1	32.86	High	0.1818	3.626363993	High	0.6336	Yes;Yes
NP_004563.2	5318	148664226	PKP2	plakophilin-2 isoform 2b [Homo sapiens]	S151	0.53	0.77	RLEkPDSSPER	1	2	3	1	1?TMTfplex [N-Term]; 1?Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(8): 0.0; S(9): 0.0	PLRRLEkPDSSPER	S5;	High	1694.831196	20.36	80.53	15.4	108.1	2	2	32.85	High	0.5455	3.56831193	High	0.2801	Yes
NP_003135.2	6745	169404009	SSR1	translocon-associated protein subunit alpha isoform 1 precursor [Homo sapiens]	S268	1.24	0.78	VEMGTSSQNDVDMSWPQETLNQINKAsPR	1	2	3	1	2?TMTfplex [N-Term; K26]; 1?Phospho [S28(100)]; 1?Deamidated [N22(95.6)]; 2?Oxidation [M3(100); M13(100)]	M3(Oxidation): 100, M13(Oxidation): 100, N22(Deamidated): 95.56; S28(Phospho): 100	T(5): 0.0; S(6): 0.0; S(7): 0.0; S(14): 0.0; T(20): 0.0; S(28): 100.0	LNQINKAsPRRLPRK	S28;	High	3946.860419					1	1	32.84	High	0.0606	5.436678886	High	0.0533	Yes
NP_003560.2	8417	170932494	STX7	syntaxin-7 [Homo sapiens]	S129	0.81	1.38	VtGSFPEDSSK	1	1	2	0	2?TMTfplex [N-Term; K11]; 1?Phospho [S2(100)]	S2(Phospho): 99.99	S(2): 100.0; S(4): 0.0; S(9): 0.0; S(10): 0.0	VRASSRVaGSFPEDS	S2;	High	1677.813704					1	1	32.75	High	0.3333	2.680954933	High	0.1642	Yes
NP_005079.2	8227	41152097	AKAP17A	A-kinase anchor protein 17A isoform 1 [Homo sapiens]	S537	1.33	0.65	VVPEDGsPEKR	1	1	2	1	2?TMTfplex [N-Term]; 1?Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	RVVPEDGsPEKRCPG	S7;	High	1750.914087					1	1	32.73	High	0.8182	3.28406024	High	0.5549	Yes
NP_055761.2	6683	11875211	SPAST	spastin isoform 1 [Homo sapiens]	S268	3.8	1.07	APsYSGLSMVSGVK	1	2	7	0	2?TMTfplex [N-Term; K14]; 1?Oxidation [M9(100)]; 1?Phospho [S3(100)]	S3(Phospho): 99.95; M9(Oxidation): 100	S(3): 100.0; Y(4): 0.0; S(5): 0.1; S(8): 0.0; S(11): 0.0	SGHHRAPsYSGLSMV	S3;	High	1936.985537	18.05	18.06	125.2	27.9	2	2	32.71	High	0.3636	3.475620747	High	0.023	Yes
NP_036233.2	23650	17402909	TRIM29	tripartite motif-containing protein 29 [Homo sapiens]	S21	0.16	0.21	DARsPSGPSGSLENGTK	1	1	2	1	2?TMTfplex [N-Term; K17]; 1?Deamidated [N14(100)]; 1?Phospho [S4(100)]	S4(Phospho): 100, N14(Deamidated): 100	S(4): 100.0; S(6): 0.0; S(9): 0.0; S(11): 0.0; T(16): 0.0	PEARDARsPSGPSGS	S4;	High	2199.069478					1	1	32.69	High	0.2727	5.001560211	High	0.14	Yes
NP_001164185.1	9564	28239812	BCAR1	breast cancer anti-estrogen resistance protein 1 isoform 1 [Homo sapiens]	S474	1.07	1.22	RLsASSTGSTR	1	9	2	1	1?TMTfplex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; S(6): 0.0; T(7): 0.0; S(9): 0.0; T(10): 0.0	PAEGKRLsAASTGST	S3;	High	1431.715438					1	1	32.69	High	0.5455	3.879823685	High	0.1933	No
NP_055271.2	27250	21735596	PDCD4	programmed cell death protein 4 isoform 1 [Homo sapiens]	S76	0.51	1.44	GDsVSDSGSDALR	1	3	2	0	1?TMTfplex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; S(7): 0.0; S(9): 0.0	RDSGRGDsVSDSGSD	S3;	High	1574.689676					1	1	32.69	High	0.5758	2.906608105	High	0.299	Yes
NP_758961.1	1997	27363484	ELF1	ETS-related transcription factor Elf-1 isoform a [Homo sapiens]	S168	0.82	0.69	YADSPGASsPEQPK	1	2	8	0	2?TMTfplex [N-Term; K14]; 1?Phospho [S9(98.8)]	S9(Phospho): 98.77	Y(1): 0.0; S(4): 0.0; S(8): 1.2; S(9): 98.8	ADSPGASsPEQPKRK	S9;	High	1971.946509	11.89	10.14	13.9	10	2	2	32.68	High	0.4242	2.976843596	High	0.0101	Yes
NP_055970.1	23185	57634536	LARP4B	la-related protein 4B [Homo sapiens]	S601	0.87	1.7	SPsPAHLPDDPK	1	1	4	0	2?TMTfplex [N-Term; K12]; 1?Phospho [S3(100)]	S3(Phospho): 98.78	S(1): 1.2; S(3): 98.8	ATYERSPsPAHLPDD	S3;	High	1798.914087	7.29	8.44	9	20.6	2	2	32.66	High	0.4545	3.827021122	High	0.0339	Yes
NP_000098.1	1643	4557515	DDB2	DNA damage-binding protein 2 [Homo sapiens]	S26	0.67	1.02	SRsPLELEPEAK	1	2	5	1	2?TMTfplex [N-Term; K12]; 1?Phospho [S3(99.3)]	S3(Phospho): 99.34	S(1): 0.7; S(3): 99.3	PRNKRSRsPLELEPE	S3;	High	1894.008715	29.39	31.6	28.2	48	2	2	32.65	High	0.0606	6.115274429	High	0.031	Yes
NP_001243399.1	54477	374349211	PLEKHA5	pleckstrin homology domain-containing family A member 5 isoform 4 [Homo sapiens]	T582	0.6	0.68	GDVtIDRR	1	4	2	1	1?TMTfplex [N-Term]; 1?Phospho [T4(100)]	T4(Phospho): 100	T(4): 100.0	PIQRGDVtIDRRHRA	T4;	High	1240.624832					1	1	32.65	High	0.7576	3.008851051	High	0.4319	No
NP_998754.1	65059	47132519	RAPH1	ras-associated and pleckstrin homology domains-containing protein 1 isoform 1 [Homo sapiens]	S1154	0.67	0.89	LTQAEISEQPTMATVVPQVPTsPK	1	1	4	0	2?TMTfplex [N-Term; K24]; 1?Oxidation [M12(100)]; 1?Phospho [S22(99.9)]	M12(Oxidation): 100; S22(Phospho): 97.11	T(2): 0.0; S(7): 0.0; T(11): 0.0; T(14): 0.0; T(21): 2.9; S(22): 97.1	VVPQVPTsPKSSLSV	S22;	High	3106.61474					1	1	32.65	High	0.1212	2.857839823	High	0.0769	Yes
NP_055847.1	23047	7657269	PDS5B	sister chromatid cohesion protein PDS5 homolog B [Homo sapiens]	S1166	1.98	0.4	METVSNASSSSNPsPGRIK	1	1	5	1	2?TMTfplex [N-Term; K20]; 1?Oxidation [M1(100)]; 1?Phospho [S15(98.1)]	M1(Oxidation): 100; S15(Phospho): 98.52	T(3): 0.0; S(5): 0.0; S(8): 0.0; S(9): 0.0; S(10): 0.0; S(11): 0.0; S(14): 1.5; S(15): 98.5	SSSSNPsPGRIKGR	S15;	High	2590.258417	9.83	15.65	28	8.8	2	2	32.63	High	0.2424	5.79390049	High	0.0276	Yes
NP_004955.2	3065	13128860	HDAC1	histone deacetylase 1 [Homo sapiens]	S393	2.38	0.4	MLPHAPGVQMQAPEDAIPEEaGDEDEDDPDKR	1	1	2	1	2?TMTfplex [N-Term; K32]; 2?Oxidation [M1(100); M10(100)]; 1?Phospho [S22(100)]	M1(Oxidation): 100; M10(Oxidation): 100; S22(Phospho): 100	S(22): 100.0	EDAIPEEaGDEDEDD	S22;	High	4201.89832					1	1	32.59	High	1	6.425578594	High	0.6547	Yes
NP_733765.1	488	24638454	ATP2A2	sarcoplasmic/endoplasmic reticulum calcium ATPase 2 isoform b [Homo sapiens]	S663	0.56	0.97	EFDELNPsAQR	1	2	2	0	1?TMTfplex [N-Term]; 1?Phospho [S8(100)]	S8(Phospho): 100	S(8): 100.0	EFDELNPsAQRDACL	S8;	High	1614.736233					1	1	32.59	High	0.9697	2.669503212	High	0.5506	Yes
NP_057737.2	51776	82880648	ZAK	mitogen-activated protein kinase kinase kinase MLT isoform 1 [Homo sapiens]	S637	1.17	0.99	SSsPTQYGLTK	1	1	11	0	2?TMTfplex [N-Term; K11]; 1?Phospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(2): 0.0; S(3): 100.0; T(5): 0.0; Y(7): 0.0; T(10): 0.0	VNQSRSSsPTQYGLT	S3;	High	1706.876638	1.99	3.96	3.3	5.6	2	2	32.56	High	0.4545	3.651564598	High	0.0356	Yes
NP_056506.2	55841	38570149	WWC3	protein WWC3 [Homo sapiens]	S927	0.81	1.2	SDsDSSTLPR	1	1	2	0	1?TMTfplex [N-Term]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(5): 0.0; S(8): 0.0; T(7): 0.0	CRLVRSDsDSSTLPR	S3;	High	1373.614721					1	1	32.56	High	0.1818	3.197746038	High	0.0781	Yes
NP_653171.1	90861	21700763	HN1L	hematological and neurological expressed 1-like protein [Homo sapiens]	S97	1.09	2.47	TSDfGsPVTATSR	1	1	2	0	1?TMTfplex [N-Term]; 1?Phospho [S7(100)]	S7(Phospho): 100	T(1): 0.0; S(2): 0.0; S(7): 100.0; T(10): 0.0, T(12): 0.0; S(13): 0.0	KTSDfGsPVTATSR	S7;	High	1747.846511					1	1	32.56	High	0.4242	2.588161469	High	0.1429	Yes
XP_005276554.1	101930123	530437751	LOC101930123	eukaryotic elongation factor 2 kinase [Homo sapiens]	S470	1.41	0.82	KYEsDEDSLGSSGR	1	1	2	1	2?TMTfplex [N-Term; K]; 1?Phospho [S4(100)]	S4(Phospho): 100	Y(2): 0.0; S(4): 100.0, S(8): 0.0, S(11): 0.0, S(12): 0.0	YSNRKYEsDEDSLGS	S4;	High	2067.963615					1	1	32.55	High	0.303	3.292988539	High	0.1733	No
NP_001106878.1	8861	164663816	LDB1	LIM domain-binding protein 1 isoform 1 [Homo sapiens]	S302	0.62	0.13	KMsGGSTMSSGGGNTNNSNSK	1	2	8	1	3?TMTfplex [N-Term; K21; K]; 2?Oxidation [M2(100); M8(100)]; 1?Deamidated [N]; 1?Phospho [S3(100)]	M2(Oxidation): 100; S3(Phospho): 100, M8(Oxidation): 100; N16(Deamidated): 48.83, N17(Deamidated): 48.83	S(3): 100.0; S(6): 0.0; T(7): 0.0; S(9): 0.0; S(10): 0.0; T(15): 0.0; S(18): 0.0, S(20): 0.0	KRRIKRKMsGGSTMSS	S3;	High	2803.284264					1	1	32.55	High	0.0303	2.877004385	High	0.0729	Yes
NP_001096123.1	54726	156630992	OTUD4	OTU domain-containing protein 4 isoform 3 [Homo sapiens]	S378	1.08	0.85	ESNYFGLsPEERR	1	1	2	1	1?TMTfplex [N-Term]; 1?Phospho [S8(100)]	S8(Phospho): 100	S(2): 0.0; Y(4): 0.0; S(8): 100.0	ESNYFGLsPEERREK	S8;	High	1892.874123					1	1	32.54	High	1	3.369333267	High	0.3739	No
NP_001006934.1	85012	55749431	TCEAL3	transcription elongation factor A protein-like 3 [Homo sapiens]	S125	2.2	1.38	GTDDSPKDsQEDLQER	1	3	3	1	2?TMTfplex [N-Term; K7]; 1?Phospho [S9(100)]	S9(Phospho): 100	T(2): 0.0; S(5): 0.0; S(9): 100.0	TDDSPKDsQEDLQER	S9;	High	2358.086249	16.24	29.85	53.8	63.7	2	2	32.5	High	0.4375	4.575603962	High	0.155	Yes
NP_003911.2	8914	222136585	TIMELESS	protein timeless homolog [Homo sapiens]	S1173	0.86	0.82	QLLDsDEEQEEDEGR	1	1	2	0	1?TMTfplex [N-Term]; 1?Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	KKRQLLDsDEEQEED	S5;	High	2100.880784					1	1	32.5	High	1	2.685248137	High	0.6766	Yes
NP_001017963.2	3320	153792590	HSP90AA1	heat shock protein HSP 90-alpha isoform 1 [Homo sapiens]	S353	1.69	6.02	DKEVsDDEAEEK	1	1	2	1	3?TMTfplex [N-Term; K2; K12]; 1?Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	KERDKEVsDDEAEEK	S5;	High	2161.051651					1	1	32.48	High	0.9062	3.753205299	High	0.624	No
NP_057662.3	51773	38788333	RSF1	remodeling and spacing factor 1 [Homo sapiens]	S1282	2.26	1.93	GRSTDEYsEADEEEEEEGKPSR	1	1	4	1	2?TMTfplex [N-Term; K20]; 2?Phospho [S8(98.8); S/T/Y]	S3(Phospho): 50; T4(Phospho): 50, S8(Phospho): 98.76	S(3): 50.0; T(4): 50.0; Y(7): 1.2; S(8): 98.8; S(22): 0.0	GRSTDEYsEADEEEE	S8;	High	3276.350672					1	1	32.48	High	0.3125	3.028101683	High	0.0086	Yes
NP_004550.2	4904	34098946	YBX1	nuclease-sensitive element-binding protein 1 [Homo sapiens]	S174	0.99	1.68	NEGsESAPEGQAQQR	1	1	2	0	1?TMTfplex [N-Term]; 1?Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(6): 0.0	SGENNEGsESAPEGQ	S4;	High	1896.828629					1	1	32.46	High	0.25	3.872379541	High	0.062	Yes
NP_057306.2	51428	21071032	DDX41	probable ATP-dependent RNA helicase DDX41 [Homo sapiens]	S21; S23	1.18	2.62	TDEVPAGGsRsEAEDDEDVYPVVPLR	1	1	2	1	1?TMTfplex [N-Term]; 2?Phospho [S9(100); S11(100)]	S9(Phospho): 100, S11(Phospho): 100	T(1): 0.0; S(9): 100.0; S(11): 100.0; Y(21): 0.0, Y(24): 0.0	DEVPAGGsRSEAEDEvPAGGSRsEAEDEDD	S9; S11;	High	3499.466481					1	1	32.45	High	0.4688	5.416669369	High	0.2565	Yes;Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_478144.1	57718	17402886	PPP4R4	serine/threonine-protein phosphatase 4 regulatory subunit 4 isoform 1 [Homo sapiens]	S775	1.46	1.17	SQsFNNQAFHAK	1	1	3	0	2×TMT6plex [N-Term; K12]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0	SKLIRSQsFNNQAFH	S3;	High	1916.942033					1	1	32.45	High	0.125	4.514142036	High	0.0421	Yes
NP_009134.1	445815	6005709	PALM2-AKAP2	PALM2-AKAP2 protein isoform 1 [Homo sapiens]	S979	2.33	2.21	QVLQSTQsPR	1	5	2	0	1×TMT6plex [N-Term]; 1×Deamidated [Q7(100)]; 1×Phospho [S8(100)]	Q7(Deamidated): 100; S8(Phospho): 100	S(5): 0.0; T(6): 0.0; S(8): 100.0	QVLQSTQsPRTKNAP	S8;	High	1453.72494					1	1	32.45	High	0.0938	2.998794317	High	0.06	No
NP_001290203.1	47	740086846	ACLY	ATP-citrate synthase isoform 3 [Homo sapiens]	S509	1.31	2.24	TAsFSESR	1	4	4	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.01	T(1): 0.0; S(3): 99.0; S(5): 1.0; S(7): 0.0	PAPSRTAsFSESRAD	S3;	High	1193.540099	11.42	4.96	21.3	15.8	2	2	32.45	High	0.4062	2.917615414	High	0.1541	No
NP_057712.2	51322	18379328	WAC	WW domain-containing adapter protein with coiled-coil isoform 1 [Homo sapiens]	S511	1.67	0.76	QGPVSQSATQQPVTADKQQGHEPVsPR	1	3	3	1	2×TMT6plex [N-Term; K17]; 1×Phospho [S25(100)]	S25(Phospho): 99.96	S(5): 0.0; S(7): 0.0; T(9): 0.0; T(14): 0.0; S(25): 100.0	QQGHEPVsPRSLQRS	S25;	High	3395.710916					1	1	32.44	High	0.0312	6.374769211	High	0.0895	Yes
NP_004595.2	6810	20149560	STX4	syntaxin-4 isoform 3 [Homo sapiens]	S117	1.27	1.09	AIEPQKEEADENYNsVNTR	1	3	3	1	2×TMT6plex [N-Term; K6]; 1×Phospho [S15(100)]	S15(Phospho): 100	Y(13): 0.0; S(15): 100.0; T(18): 0.0	EADENYNsVNTRMRK	S15;	High	2745.313289					1	1	32.44	High	0.3438	5.096327782	High	0.0882	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S2581	1.03	0.79	RVPsPTPAPK	1	1	4	1	2×TMT6plex [N-Term; K10]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(6): 0.0	VALKRVPsPTPAPKE	S4;	High	1587.9024	1.45	4.5	2.1	5	2	2	32.44	High	0.4062	3.957744837	High	0.149	Yes
NP_055238.1	27125	7656879	AFF4	AF4/FMR2 family member 4 [Homo sapiens]	S1058	1.14	0.6	AVGMPSPVsPK	1	1	3	0	2×TMT6plex [N-Term; K11]; 1×Oxidation [M4(100)]; 1×Phospho [S9(100)]	M4(Oxidation): 100; S9(Phospho): 100	S(6): 0.0; S(9): 100.0	VGMPSPVsPKLSPGN	S9;	High	1623.858152	46.2	50.44	86.4	45	2	2	32.44	High	0.625	3.901167631	High	0.3923	Yes
NP_001264.2	1108	51599156	CHD4	chromodomain-helicase-DNA-binding protein 4 isoform 1 [Homo sapiens]	S1535	1.43	0.54	MSQPGsPSPK	1	2	2	0	2×TMT6plex [N-Term; K10]; 1×Oxidation [M1(100)]; 1×Phospho [S6(100)]	M1(Oxidation): 100; S6(Phospho): 100	S(2): 0.0; S(6): 100.0; S(8): 0.0	KKMSQPGsPSPKTPT	S6;	High	1569.774816					1	1	32.44	High	0.375	3.780412912	High	0.1746	Yes
NP_002471.1	4659	4505317	PPP1R12A	protein phosphatase 1 regulatory subunit 12A isoform a [Homo sapiens]	S910	3.35	1.89	SGsYSYLEER	1	4	4	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; Y(4): 0.0; S(5): 0.0; Y(6): 0.0	SLLGRSGsYSYLEER	S3;	High	1499.661671	13.75	12.28	72.8	33.7	2	2	32.44	High	0.5312	3.592725515	High	0.1003	Yes
NP_005007.2	5094	14141168	PCBP2	poly(rC)-binding protein 2 isoform a [Homo sapiens]	S173	1.94	1.02	QICVVMLETLSQsPPK	1	3	2	0	2×TMT6plex [N-Term; K16]; 1×Carbamidomethyl [C3]; 1×Oxidation [M6(100)]; 1×Phospho [S13(97.8)]	M6(Oxidation): 100; S13(Phospho): 97.84	T(9): 0.1; S(11): 2.1; S(13): 97.8	MLETLSQsPPKGVTI	S13;	High	2384.237077					1	1	32.43	High	0.25	3.132340431	High	0.0703	Yes
NP_004376.2	1462	21361116	VCAN	versican core protein isoform 1 precursor [Homo sapiens]	T2115	1.91	2.56	QEVNPVRQEIESETtSEEQIQEEK	1	2	9	1	2×TMT6plex [N-Term; K24]; 1×Phospho [T/S]	T15(Phospho): 94.45	S(12): 0.0; T(14): 2.8; T(15): 94.5; S(16): 2.8	QEIESETtSEEQIQE	T15;	High	3397.641224					1	1	32.41	High	0.1562	4.601807594	High	0.0022	Yes
NP_003119.2	6711	112382250	SPTBN1	spectrin beta chain, non-erythrocytic 1 isoform 1 [Homo sapiens]	T2328	0.76	0.72	AQtLPTSVVTITSESSPGKR	1	1	5	1	2×TMT6plex [N-Term; K19]; 1×Phospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; T(6): 0.0; S(7): 0.0; T(10): 0.0; T(12): 0.0; S(13): 0.0; S(15): 0.0; S(16): 0.0	PASSRAQtLPTSVVT	T3;	High	2597.395168	0.53	17.78	0.6	18.4	2	2	32.4	High	0.0625	5.340229034	High	0.1404	Yes
NP_075385.1	65108	13491174	MARCKSL1	MARCKS-related protein [Homo sapiens]	T148	2.57	1.94	AAAtPESQEPQAK	1	1	2	0	2×TMT6plex [N-Term; K13]; 1×Phospho [T4(100)]	T4(Phospho): 100	T(4): 100.0; S(7): 0.0	QEGKAAAtPESQEPQ	T4;	High	1865.94103					1	1	32.39	High	0.2188	4.227338791	High	0.1797	Yes
NP_004422.2	1969	32967311	EPHA2	ephrin type-A receptor 2 precursor [Homo sapiens]	S570	0.56	1.81	ARQsPEDVYFSK	1	1	2	1	2×TMT6plex [N-Term; K12]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; Y(9): 0.0; S(11): 0.0	KNQRARQsPEDVYFS	S4;	High	1964.988314					1	1	32.39	High	1	3.203101635	High	0.5594	Yes
NP_001245308.1	9497	385648268	SLC4A7	sodium bicarbonate cotransporter 3 isoform b [Homo sapiens]	S1057	0.61	0.4	MLQDDDDTVHLPFEGGsLLQIPVK	1	3	3	0	2×TMT6plex [N-Term; K24]; 1×Oxidation [M1(100)]; 1×Phospho [S17(100)]	M1(Oxidation): 100; S17(Phospho): 100	T(8): 0.0; S(17): 100.0	HLPFEGGsLLQIPVK	S17;	High	3221.620553					1	1	32.38	High	0.7812	4.708289623	High	0.3885	No
NP_954981.1	339230	40548332	CCDC137	coiled-coil domain-containing protein 137 [Homo sapiens]	S19	1.46	1.14	VQAGPGsPR	1	1	2	0	1×TMT6plex [N-Term]; 1×Deamidated [Q2(100)]; 1×Phospho [S7(100)]	Q2(Deamidated): 100; S7(Phospho): 100	S(7): 100.0	RVQAGPGsPRRARGR	S7;	High	1178.57682					1	1	32.36	High	0.6875	2.721339226	High	0.2904	Yes
NP_003740.2	8660	38683860	IRS2	insulin receptor substrate 2 [Homo sapiens]	T527	1.03	1.2	SNTPESIAEtPPAR	1	1	4	0	1×TMT6plex [N-Term]; 1×Phospho [T10(100)]	T10(Phospho): 100	S(1): 0.0; T(3): 0.0; S(6): 0.0; T(10): 100.0	TPESIAEtPPARDGG	T10;	High	1778.852325	13.55	10.67	19.9	18.2	2	2	32.34	High	0.625	4.138338089	High	0.3889	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S2449	0.52	6.43	MGQAPSQSLLPPAQDQPRsPVPSAFSDQSR	1	1	3	1	1×TMT6plex [N-Term]; 1×Phospho [S19(98.1)]	S19(Phospho): 96.38	S(6): 0.0; S(8): 0.1; S(19): 96.4; S(23): 3.4; S(26): 0.1; S(29): 0.0	PAQDQPRsPVPSAFS	S19;	High	3488.683097	270.32	27.22	720.1	2128.4	2	2	32.33	High	0.1875	5.61793375	High	0.1174	Yes
NP_060404.3	55023	34996489	PHIP	PH-interacting protein [Homo sapiens]	S1783	0.87	1.36	RTAFYNEDDsEEEQR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S10(100)]	S10(Phospho): 100	T(2): 0.0; Y(5): 0.0; S(10): 100.0	AFYNEDDsEEEQRQL	S10;	High	2197.923652					1	1	32.32	High	0.9688	5.308017254	High	0.5292	Yes
NP_076872.1	2707	13128960	GJB3	gap junction beta-3 protein [Homo sapiens]	S228	0.77	1.51	GGCsPSSSASR	1	1	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C3]; 1×Phospho [S4(100)]	S4(Phospho): 99.99	S(4): 100.0; S(6): 0.0; S(7): 0.0; S(8): 0.0; S(10): 0.0	DKPRGGCsPSSSASR	S4;	High	1361.57181					1	1	32.32	High	0.3125	2.971488237	High	0.1111	No
NP_009297.2	25	62362412	ABL1	tyrosine-protein kinase ABL1 isoform b [Homo sapiens]	S588	1.32	0.96	GQGESDPLDHEPAVsPLLPR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S15(100)]	S15(Phospho): 100	S(5): 0.0; S(15): 100.0	LDHEPAVsPLLPRKE	S15;	High	2423.180535					1	1	32.3	High	0.9375	4.160157204	High	0.5769	No
NP_877499.1	55117	33354281	SLC6A15	sodium-dependent neutral amino acid transporter B(0)AT2 isoform 1 [Homo sapiens]	S701	1.4	1.65	QSGsPTLDTAPNGR	1	2	3	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 99.99	S(2): 0.0; S(4): 100.0; T(6): 0.0; T(9): 0.0	IYRKQSGsPTLDTAP	S4;	High	1709.805709					1	1	32.3	High	0.0312	2.722327948	High	0.0772	Yes
NP_004629.3	7916	314122241	PRRC2A	protein PRRC2A [Homo sapiens]	T1347	0.79	0.57	EAPPPVLLtPK	1	1	2	0	2×TMT6plex [N-Term; K11]; 1×Phospho [T9(100)]	T9(Phospho): 100	T(9): 100.0	APPPVLLtPKAVGTP	T9;	High	1699.979981					1	1	32.29	High	1	3.044044018	High	0.6678	No
NP_076427.2	79098	145275189	C1orf116	specifically androgen-regulated gene protein isoform 1 [Homo sapiens]	S560	1.07	1.47	RLsYQGQSR	1	2	2	1	1×TMT6plex [N-Term]; 1×Deamidated [Q7(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; Q7(Deamidated): 100	S(3): 100.0; Y(4): 0.0; S(8): 0.0	EQSSKRLsYQGQSRD	S3;	High	1404.68341					1	1	32.28	High	0.5	3.013892651	High	0.0831	No
NP_055847.1	23047	7657269	PDS5B	sister chromatid cohesion protein PDS5 homolog B [Homo sapiens]	S1257	0.96	0.64	GHTAsESDEQQWPEEKR	1	1	4	1	2×TMT6plex [N-Term; K16]; 1×Phospho [S5(98.8)]	S5(Phospho): 99.97	T(3): 0.0; S(5): 100.0; S(7): 0.0	RKRGHTAsESDEQQW	S5;	High	2552.181881	11.76	4.45	16.2	4	2	2	32.25	High	0.0938	6.105270386	High	0.0949	Yes
NP_001156793.2	90060	425905348	CCDC120	coiled-coil domain-containing protein 120 isoform 1 [Homo sapiens]	S395	1	0.99	SNsSEALLVDR	1	4	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(4): 0.0	ARTRRSNsSEALLVD	S3;	High	1499.730419					1	1	32.25	High	0.0625	4.699905872	High	0.0894	No
NP_116114.1	84811	14249338	BUD13	BUD13 homolog isoform 1 [Homo sapiens]	T159	2.89	1.82	HDtPDPSPLR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; S(7): 0.0	PRRARHDtPDPSPLR	T3;	High	1443.683075					1	1	32.25	High	0.6562	4.222914696	High	0.3436	Yes
NP_001273510.1	57661	557440888	PHRF1	PHD and RING finger domain-containing protein 1 isoform 1 [Homo sapiens]	S915	1.53	1.64	GAVAAEGAsDTEREEPTESQGLAAR	1	4	5	1	1×TMT6plex [N-Term]; 1×Deamidated [Q20(100)]; 1×Phospho [S9(100)]	S9(Phospho): 99.97; Q20(Deamidated): 100	S(9): 100.0; T(11): 0.0; T(17): 0.0; S(19): 0.0	AVAAEGAsDTEREEP	S9;	High	2812.283556	5.29	0.65	11.5	1.5	2	2	32.24	High	0.2188	6.847194195	High	0.0146	Yes
NP_848512.1	9734	30795204	HDAC9	histone deacetylase 9 isoform 5 [Homo sapiens]	S454	1.18	3.89	TQsAPLPQSTLAQLVIQQQHQQFLEK	1	9	4	0	2×TMT6plex [N-Term; K26]; 1×Phospho [S3(98.7)]	S3(Phospho): 98.73	T(1): 1.3; S(3): 98.7; S(9): 0.0; T(10): 0.0	RPLNRTQsAPLPQST	S3;	High	3499.87144					1	1	32.2	High	0.375	5.396212101	High	0.0296	No
NP_060497.3	55691	116063562	FRMD4A	FERM domain-containing protein 4A [Homo sapiens]	S711	0.77	0.77	SSsLESQGK	1	1	2	0	2×TMT6plex [N-Term; K9]; 1×Deamidated [Q7(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; Q7(Deamidated): 100	S(1): 0.0; S(2): 0.0; S(3): 100.0; S(6): 0.0	HFRHRSSsLESQGKL	S3;	High	1461.723827					1	1	32.2	High	0.2812	2.622856617	High	0.1336	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1029	1.29	1.04	GSGGLFsPSTAHVPDGALGQR	1	1	5	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 99.96	S(2): 0.0; S(7): 100.0; S(9): 0.0; T(10): 0.0	RGSGGLFsPSTAHVP	S7;	High	2320.12844	24.29	19.83	58.5	37.1	3	3	32.19	High	0.1562	5.620163441	High	0.0783	Yes
NP_065798.2	57507	153945755	ZNF608	zinc finger protein 608 [Homo sapiens]	S627	0.43	0.44	APAsPGAGNPPGTPK	1	1	2	0	2×TMT6plex [N-Term; K15]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(13): 0.0	DQLKAPAsPGAGNPP	S4;	High	1856.967185					1	1	32.18	High	0.7188	4.538441181	High	0.4934	Yes
NP_057657.2	51291	91208437	GMIP	GEM-interacting protein isoform 1 [Homo sapiens]	S914	1.74	1.69	GRGPsPAAASPEGSPLR	1	3	2	1	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(10): 0.0; S(14): 0.0	SLRGRGPsPAAASPE	S5;	High	1915.958856					1	1	32.18	High	0.75	4.247209072	High	0.4847	Yes
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S11	0.36	0.38	sGGSRSFSTASAITPSVSR	1	1	4	1	1×TMT6plex [N-Term]; 2×Phospho [S1(100); S/T]	S1(Phospho): 99.98; S4(Phospho): 50.01; S6(Phospho): 50.01	S(1): 100.0; S(4): 50.0; S(6): 50.0; S(8): 0.0; T(9): 0.0; S(11): 0.0; T(14): 0.0; S(16): 0.0; S(18): 0.0	QSSVSFRsGGSRSFS	S1;	High	2244.026023	34.29	47.25	17.6	25.8	2	2	32.18	High	0.1875	4.089884758	High	0.0856	No
NP_001073898.1	57662	122937255	CAMSAP3	calmodulin-regulated spectrin-associated protein 3 isoform 1 [Homo sapiens]	S361	1.3	1.08	DLPDGHAAsPR	1	2	4	0	1×TMT6plex [N-Term]; 1×Phospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	LPDGHAAsPRGTEAS	S9;	High	1444.678324	2.63	1.1	4.8	1.7	2	2	32.18	High	0.7188	3.4356637	High	0.7006	No
NP_001193954.1	5452	333360875	POU2F2	POU domain, class 2, transcription factor 2 isoform 1 [Homo sapiens]	S55	1.89	1.77	TSPFSVsPTGPSTK	1	4	7	0	2×TMT6plex [N-Term; K14]; 1×Phospho [S7(100)]	S7(Phospho): 98.55	T(1): 0.0; S(2): 0.0; S(5): 0.0; S(7): 98.6; T(9): 1.4; S(12): 0.0; T(13): 0.0	KTSPFSVsPTGPSTK	S7;	High	1930.992731	18.42	10.66	52.2	27.2	2	2	32.17	High	0.3125	3.50981617	High	0.1054	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S876	0.93	1.23	SCFESsPDPELK	1	1	10	0	2×TMT6plex [N-Term; K12]; 1×Carbamidomethyl [C2]; 1×Phospho [S6(99.2)]	S6(Phospho): 99.17	S(1): 0.0; S(5): 0.8; S(6): 99.2	RRSCFESsPDPELKS	S6;	High	1933.901867	13.86	0.2	22.6	0.4	3	3	32.17	High	0.125	3.413314581	High	0.176	Yes
NP_001005731.1	3691	54607033	ITGB4	integrin beta-4 isoform 3 precursor [Homo sapiens]	S1387	0.61	0.14	MDFAFPGSTNsLHR	1	3	3	0	1×TMT6plex [N-Term]; 1×Oxidation [M1(100)]; 1×Deamidated [N10(100)]; 1×Phospho [S11(100)]	M1(Oxidation): 100; N10(Deamidated): 100; S11(Phospho): 99.98	S(8): 0.0; T(9): 0.0; S(11): 100.0	AFPGSTNsLHRMTTT	S11;	High	1905.840381					1	1	32.14	High	0.2188	3.908795834	High	0.0921	Yes
NP_001128342.1	170954	199559805	PPP1R18	phostensin [Homo sapiens]	S224	0.84	2.42	LsPGESAYQK	1	1	3	0	2×TMT6plex [N-Term; K10]; 1×Phospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; S(6): 0.0; Y(8): 0.0	KEVESRLsPGESAYQ	S2;	High	1617.82896	8.74	10.75	10.4	38.1	2	2	32.13	High	0.5938	3.547635794	High	0.3775	Yes
NP_001269846.1	57148	544711130	RALGAPB	ral GTPase-activating protein subunit beta isoform 1 [Homo sapiens]	T734	3.75	1.06	TNSGISSASGGSTEPTtPDSERPAQALLR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [T17(98.3)]	T17(Phospho): 98.3	T(1): 0.0; S(3): 0.0; S(6): 0.0; S(7): 0.0; S(9): 0.0; S(12): 0.0; T(13): 0.0; T(16): 1.7; T(17): 98.3; S(20): 0.0	GGSTEPTtPDSERPA	T17;	High	3196.532059					1	1	32.13	High	0.0938	2.834129095	High	0.0601	Yes
NP_056139.1	23378	12758125	RRP8	ribosomal RNA-processing protein 8 [Homo sapiens]	S104; S106	1.09	2.23	QGPPCsDsEEEVER	1	1	3	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C5]; 2×Phospho [S6(100); S8(100)]	S6(Phospho): 100; S8(Phospho): 100	S(6): 100.0; S(8): 100.0	QKQGPPCsDSEEEVE;QGPPCSDsEEEVERK	S6; S8;	High	2007.760549					1	1	32.13	High	1	2.788062572	High	0.7097	Yes;Yes
NP_874365.3	23513	355390313	SCRIB	protein scribble homolog isoform a [Homo sapiens]	S853	1.17	0.7	GGGLRLPLLPPEsPGPLR	1	2	5	1	1×TMT6plex [N-Term]; 1×Phospho [S13(100)]	S13(Phospho): 100	S(13): 100.0	LPLLPPEsPGPLRQR	S13;	High	2135.193941	2.14	9.04	4.3	11	3	3	32.12	High	1	4.922151566	High	0.7297	Yes
NP_056330.3	25984	27894339	KRT23	keratin, type I cytoskeletal 23 isoform 1 [Homo sapiens]	S65	4.75	11.69	SsPLLGGNGK	1	1	6	0	2×TMT6plex [N-Term; K10]; 1×Deamidated [N8(100)]; 1×Phospho [S2(100)]	S2(Phospho): 99.16; N8(Deamidated): 100	S(1): 0.8; S(2): 99.2	SWGSGRSsPLLGGNG	S2;	High	1468.781282	2.66	0.56	22.2	11.3	3	3	32.12	High	0.625	4.703114986	High	0.034	No
NP_001122080.1	23005	190684677	MAPKBP1	mitogen-activated protein kinase-binding protein 1 isoform b [Homo sapiens]	S1198	1.25	0.81	AQsVHSLVPQER	1	2	4	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0	SGLQKAQsVHSLVPQ	S3;	High	1659.841701	9.54	20.77	17	24.3	2	2	32.12	High	0.7812	3.298179626	High	0.2364	Yes
NP_001258717.1	1781	422398896	DYNC1I2	cytoplasmic dynein 1 intermediate chain 2 isoform 3 [Homo sapiens]	S81	4.22		EAEALLQSMGLTPESPIVPPPMsPSSK	1	2	2	0	2×TMT6plex [N-Term; K27]; 2×Oxidation [M9(100); M22(100)]; 1×Phospho [S23(94)]	M9(Oxidation): 100; M22(Oxidation): 100; S23(Phospho): 94.05	S(8): 0.0; T(12): 0.0; S(15): 0.0; S(23): 94.1; S(25): 3.0; S(26): 3.0	PIVPPPMsPSSKSVS	S23;	High	3363.686919					1		32.11	High	0.1562	3.827043533	High	0.0653	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1441	1.37	0.75	SRsGSSPGLR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; S(5): 0.0; S(6): 0.0	TPSRRSRsGSSPGLR	S3;	High	1312.657195					1	1	32.1	High	0.0625	3.524903774	High	0.1449	Yes
NP_612142.2	129401	31982904	NUP35	nucleoporin NUP53 isoform a [Homo sapiens]	T273	1.61	1.27	TLGtPTQPGSTPR	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [T4(100)]	T4(Phospho): 99.99	T(1): 0.0; T(4): 100.0; T(6): 0.0; S(10): 0.0; T(11): 0.0	PPIKTLGtPTQPGST	T4;	High	1621.814817					1	1	32.09	High	0.125	2.757858992	High	0.1558	Yes
NP_004955.2	3065	13128860	HDAC1	histone deacetylase 1 [Homo sapiens]	S393	0.95	4.48	MLPHAPGVQMQAIPEDAIPEEsGDEDEDDPDKR	1	1	2	1	2×TMT6plex [N-Term; K32]; 1×Phospho [S22(100)]	S22(Phospho): 100	S(22): 100.0	EDAIPEEsGDEDEDD	S22;	High	4169.90849					1	1	32.08	High	1	5.845016479	High	0.706	Yes
NP_055627.2	9859	109255228	CEP170	centrosomal protein of 170 kDa isoform alpha [Homo sapiens]	S1165	1.38	3.62	sDSEATISR	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(3): 0.0; T(6): 0.0; S(8): 0.0	LGSLSARsDSEATIS	S1;	High	1274.582692					1	1	32.06	High	0.4688	3.913791418	High	0.1944	Yes
NP_001531.1	3315	4504517	HSPB1	heat shock protein beta-1 [Homo sapiens]	S82	0.36	0.38	QLsSGVSEIR	1	1	4	0	1×TMT6plex [N-Term]; 1×Deamidated [Q1(100)]; 1×Phospho [S3(100)]	Q1(Deamidated): 100; S3(Phospho): 100	S(3): 100.0; S(4): 0.0; S(7): 0.0	RALSRQLsSGVSEIR	S3;	High	1385.687492	25.78	20.7	13.1	11	2	2	32.06	High	0.4062	3.688097477	High	0.1057	Yes
NP_659449.3	219771	32171247	CCNY	cyclin-Y isoform 1 [Homo sapiens]	S66	1.26	3.07	AsTIFLSK	1	4	2	0	2×TMT6plex [N-Term; K8]; 1×Phospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; T(3): 0.0; S(7): 0.0	PSDHPRAsTIFLSKS	S2;	High	1404.79039					1	1	32.05	High	0.375	2.880620718	High	0.2187	Yes
NP_001026902.1	91746	72534750	YTHDC1	YTH domain-containing protein 1 isoform 1 [Homo sapiens]	S424	0.43	0.08	LSSESHHGGsPIHWVLPAGMSAK	1	2	2	0	2×TMT6plex [N-Term; K23]; 1×Oxidation [M20(100)]; 1×Phospho [S10(100)]	S10(Phospho): 100; M20(Oxidation): 100	S(2): 0.0; S(3): 0.0; S(5): 0.0; S(10): 100.0; S(21): 0.0	SESHHGGsPIHWVLP	S10;	High	2939.463934					1	1	32.04	High	0.4062	9.016737938	High	0.1397	Yes
NP_004277.2	9567	82546879	GTPBP1	GTP-binding protein 1 [Homo sapiens]	S25	0.72	1.22	SAMDSPVPASMFAPEPSsPGAAR	1	1	18	0	1×TMT6plex [N-Term]; 2×Oxidation [M3(100); M11(100)]; 1×Phospho [S18(100)]	M3(Oxidation): 100; M11(Oxidation): 100; S18(Phospho): 100	S(1): 0.0; S(5): 0.0; S(10): 0.0; S(17): 0.0; S(18): 100.0	MFAPEPSsPGAARAA	S18;	High	2601.156371	54.69	36	140.7	168.1	7	7	32.04	High	0.125	6.442886829	High	0.0404	Yes
NP_004719.2	9188	50659095	DDX21	nucleolar RNA helicase 2 isoform 1 [Homo sapiens]	S71	2.56	0.9	KAEPSEVDMNsPK	1	1	4	1	3×TMT6plex [N-Term; K13; K]; 1×Oxidation [M9(100)]; 1×Phospho [S11(100)]	M9(Oxidation): 100; S11(Phospho): 100	S(5): 0.0; S(11): 100.0	PSEVDMNsPKSKKAK	S11;	High	2215.128462	2.28	4.52	8.3	5.8	2	2	32.01	High	0.8438	4.385351181	High	0.4601	Yes
NP_001072989.1	3895	118498356	KTN1	kinectin isoform a [Homo sapiens]	T153	0.56	1.37	QPtPPSEAAASK	1	4	4	0	2×TMT6plex [N-Term; K12]; 1×Phospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; S(6): 0.0; S(11): 0.0	VPVTKQPtPPSEAAA	T3;	High	1721.887537	21.56	17	17.1	33.9	2	2	32.01	High	0.5938	3.536386251	High	0.3757	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_005960.1	4676	5174613	NAP1L4	nucleosome assembly protein 1-like 4 [Homo sapiens]	T51	1.27	1.51	LDNVPHtPSSYIETLPK	1	1	2	0	2×TMT6plex [N-Term; K17]; 1×Phospho [T7(100)]	T7(Phospho): 100	T(7): 100.0; S(9): 0.0; S(10): 0.0; Y(11): 0.0; T(14): 0.0	RLDNVPHtPSSYIET	T7;	High	2449.278013					1	1	32	High	0.2812	3.686875343	High	0.0921	Yes
NP_004680.2	9112	115527080	MTA1	metastasis-associated protein MTA1 isoform MTA1 [Homo sapiens]	S449	2.16	0.47	SNMsPHGLPAR	1	1	2	0	1×TMT6plex [N-Term]; 1×Oxidation [M3(100)]; 1×Phospho [S4(100)]	M3(Oxidation): 100; S4(Phospho): 100	S(1): 0.0; S(4): 100.0	GPNRSNMsPHGLPAR	S4;	High	1491.69768					1	1	31.97	High	0.3438	3.418476105	High	0.1257	Yes
NP_056130.2	23367	39725634	LARP1	la-related protein 1 [Homo sapiens]	S440; S444	1.29	0.78	QHYQKETEsAPGsPR	1	1	5	1	2×TMT6plex [N-Term; K5]; 2×Phospho [S9(100); S13(100)]	S9(Phospho): 100; S13(Phospho): 100	Y(3): 0.0; T(7): 0.0; S(9): 100.0; S(13): 100.0	HYQKETEsAPGSPRA;ETESAPGsPRAVTPV	S9; S13;	High	2333.072863	2.77	21.37	6.2	29.6	3	3	31.95	High	0.1875	6.173994064	High	0.0972	No;No
NP_004681.1	9113	4758666	LATS1	serine/threonine-protein kinase LATS1 isoform 1 [Homo sapiens]	S464	1.8	1.95	SNsFNNPLGNR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0	NIPVRSNsFNNPLGN	S3;	High	1528.710687					1	1	31.95	High	0.4062	3.858958483	High	0.2098	Yes
NP_065994.1	57703	55749769	CWC22	pre-mRNA-splicing factor CWC22 homolog [Homo sapiens]	S829	0.74	1.19	RNsFSENEK	1	1	3	1	2×TMT6plex [N-Term; K9]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0	KRGERRNsFSENEKH	S3;	High	1648.809622	1.68	6.15	1.8	10.4	2	2	31.95	High	0.7812	3.429937363	High	0.2828	Yes
NP_733793.2	9462	226958575	RASAL2	ras GTPase-activating protein nGAP isoform 2 [Homo sapiens]	S899	0.79	0.94	ETQSTPQsAPQVR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S8(100)]	S8(Phospho): 100	T(2): 0.0; S(4): 0.0; T(5): 0.0; S(8): 100.0	ETQSTPQsAPQVRRP	S8;	High	1737.837009					1	1	31.94	High	0.2812	4.844176292	High	0.2438	No
NP_001265138.1	9972	503774352	NUP153	nuclear pore complex protein Nup153 isoform 1 [Homo sapiens]	S334; S338	0.87	0.63	RIPSIVSsPLNsPLDR	1	3	2	1	1×TMT6plex [N-Term]; 2×Phospho [S8(100); S12(100)]	S8(Phospho): 99.96; S12(Phospho): 100	S(4): 0.0; S(7): 0.0; S(8): 100.0; S(12): 100.0	RIPSIVSsPLNSPLD;IVSSPLNsPLDRSGI	S8; S12;	High	2140.076602					1	1	31.94	High	0.25	4.12103653	High	0.2184	Yes;Yes
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S77; S82	0.24	0.23	ISIsTSGGsFR	1	1	4	0	1×TMT6plex [N-Term]; 2×Phospho [S4(97.9); S9(100)]	S4(Phospho): 97.94; S9(Phospho): 100	S(2): 0.0; S(4): 97.9; T(5): 1.0; S(6): 1.0; S(9): 100.0	GSKRISIsTSGGSFR;SISTSGGsFRNRFGA	S4; S9;	High	1500.669807					1	1	31.94	High	0.125	3.93616724	High	0.0406	Yes;Yes
NP_005076.3	8021	33946327	NUP214	nuclear pore complex protein Nup214 [Homo sapiens]	S433	0.66	1.52	SPGsTPTTPTSSQAPQK	1	1	3	0	2×TMT6plex [N-Term; K17]; 1×Phospho [S4(97)]	S4(Phospho): 97.01	S(1): 1.5; S(4): 97.0; T(5): 1.5; T(7): 0.0; T(8): 0.0; T(10): 0.0; S(11): 0.0; S(12): 0.0	RQPKSPGsTPTTPTS	S4;	High	2210.110614					1	1	31.93	High	0.0938	3.482855797	High	0.0431	Yes
NP_065883.1	57592	24308227	ZNF687	zinc finger protein 687 [Homo sapiens]	S1057	1.88	0.64	HGLQLGAQsPGRGTTLAR	1	1	4	1	1×TMT6plex [N-Term]; 1×Phospho [S9(100)]	S9(Phospho): 99.93	S(9): 99.9; T(14): 0.0; T(15): 0.0	GLQLGAQsPGRGTTL	S9;	High	2129.117816	1.19	11.21	3.2	10.2	2	2	31.91	High	0.3438	4.383340836	High	0.0525	Yes
NP_001092108.1	254225	148839382	RNF169	E3 ubiquitin-protein ligase RNF169 [Homo sapiens]	S292	2.16	1.19	SQsCSDTAQER	1	1	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C4]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(5): 0.0; T(7): 0.0	SKVERSQsCSDTAQE	S3;	High	1577.646432					1	1	31.91	High	0.3438	2.828340769	High	0.1908	Yes
NP_001131024.1	9208	212276096	LRRFIP1	leucine-rich repeat flightless-interacting protein 1 isoform 3 [Homo sapiens]	S68	1.41	2.26	RNTSAsDEDER	1	3	10	1	1×TMT6plex [N-Term]; 1×Phospho [T/S]	S6(Phospho): 100	T(3): 0.0; S(4): 0.0; S(6): 100.0	SRRNTSAsDEDERMS	S6;	High	1588.680174	5.95	10.84	11.9	35.7	2	2	31.89	High	0.5312	3.510809898	High	0.057	Yes
NP_004738.3	9231	95089461	DLG5	disks large homolog 5 [Homo sapiens]	S1263	1.13	0.65	LGsSSNLQFK	1	1	2	0	2×TMT6plex [N-Term; K10]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(4): 0.0; S(5): 0.0	PSSARLGsSSNLQFK	S3;	High	1618.860595					1	1	31.86	High	0.1875	3.679356337	High	0.087	Yes
NP_001131024.1	9208	212276096	LRRFIP1	leucine-rich repeat flightless-interacting protein 1 isoform 3 [Homo sapiens]	S714	1.3	1.79	IDGATQSsPAEPK	1	3	8	0	2×TMT6plex [N-Term; K13]; 1×Deamidated [Q6(100)]; 1×Phospho [S/T]	Q6(Deamidated): 100; S8(Phospho): 98.83	T(5): 0.0; S(7): 1.2; S(8): 98.8	IDGATQSsPAEPKSE	S8;	High	1839.914147	15.09	3.04	28.3	7.7	2	2	31.86	High	0.0625	3.660549641	High	0.0109	Yes
NP_116114.1	84811	14249338	BUD13	BUD13 homolog isoform 1 [Homo sapiens]	S127	1.4	1.27	HDTPDSsPR	1	2	4	0	1×TMT6plex [N-Term]; 1×Phospho [S/T]	S7(Phospho): 99.99	T(3): 0.0; S(6): 0.0; S(7): 100.0	RHDTPDSsPRRVRHG	S7;	High	1320.578276					1	1	31.83	High	0.125	3.740033865	High	0.0642	Yes
NP_056369.1	26035	51317380	GLCE	D-glucuronyl C5-epimerase [Homo sapiens]	S73	0.61	1.03	QQsEEAFPQEQQK	1	1	2	0	2×TMT6plex [N-Term; K13]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	NHVAKQQsEEAFPQE	S3;	High	2115.015985					1	1	31.82	High	0.9688	4.69729805	High	0.683	Yes
NP_001231931.1	4782	350529396	NFIC	nuclear factor 1 C-type isoform 1 [Homo sapiens]	S194	0.82	0.69	ERDAEQSGsPR	1	5	3	1	1×TMT6plex [N-Term]; 1×Phospho [S7(99.4)]	S9(Phospho): 100	S(7): 0.0; S(9): 100.0	RDAEQSGsPRTGMGS	S9;	High	1540.695431					1	1	31.8	High	0.3125	3.41130352	High	0.0968	Yes
NP_056485.2	26168	21361499	SENP3	sentrin-specific protease 3 [Homo sapiens]	S232	1.77	3.28	WTPKsPLDPDSGLLSCTLPNGFGGQSGPEGER	1	1	3	1	2×TMT6plex [N-Term; K4]; 1×Carbamidomethyl [C16]; 1×Phospho [S5(97.6)]	S5(Phospho): 97.63	T(2): 2.4; S(5): 97.6; S(11): 0.0; S(15): 0.0; T(17): 0.0; S(26): 0.0	GLRWTPKsPLDPDSG	S5;	High	3894.877389					1	1	31.78	High	0.1875	6.039783478	High	0.149	Yes
NP_065910.3	57619	203098098	SHROOM3	protein Shroom3 [Homo sapiens]	S910	1.42	1.28	DRPGsPESPLLDAPFSR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(8): 0.0; S(16): 0.0	EWRDRPGsPESPLLD	S5;	High	2150.048065					1	1	31.77	High	0.2812	4.483379841	High	0.2277	Yes
NP_075388.2	65117	38146107	RSRC2	arginine/serine-rich coiled-coil protein 2 [Homo sapiens]	S104	1.59	1.51	LNsSENGEDR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(4): 0.0	KGRERLNsSENGEDR	S3;	High	1429.615783					1	1	31.76	High	0.1562	3.2296772	High	0.1022	Yes
NP_203744.1	85377	31324577	MICALL1	MICAL-like protein 1 [Homo sapiens]	S295	1.24	1.38	LQELAsPPAGRPTPAPR	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; T(13): 0.0	GKLQELAsPPAGRPT	S6;	High	2067.094955	14.57	2.49	26	4.9	2	2	31.75	High	0.6562	3.598354578	High	0.2611	Yes
NP_001511.2	2975	101943240	GTF3C1	general transcription factor 3C polypeptide 1 isoform 1 [Homo sapiens]	S1865	0.78	0.94	RAsWASENGETDAEGTQMTPAK	1	2	2	1	2×TMT6plex [N-Term; K22]; 1×Oxidation [M18(100)]; 2×Phospho [S3(98.2); S/T]	S3(Phospho): 98.16; S6(Phospho): 50.92; T11(Phospho): 50.92; M18(Oxidation): 100	S(3): 98.2; S(6): 50.9; T(11): 50.9; T(16): 0.0; T(19): 0.0	RGTKRRAsWASENGE	S3;	High	2971.294619					1	1	31.75	High	0.1875	2.842538595	High	0.0775	Yes
NP_005900.2	4131	153945728	MAP1B	microtubule-associated protein 1B [Homo sapiens]	S1438	2.87	1.09	QGsPDQVSPVSEMTSTSLYQDKQEGK	1	1	3	1	3×TMT6plex [N-Term; K22; K26]; 1×Oxidation [M13(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; M13(Oxidation): 100	S(3): 100.0; S(8): 0.0; S(11): 0.0; T(14): 0.0; S(15): 0.0; T(16): 0.0; S(17): 0.0; Y(19): 0.0	EKSGKQGsPDQVSPV	S3;	High	3609.759849					1	1	31.74	High	0.6875	4.421363831	High	0.19	Yes
NP_055847.1	23047	7657269	PDS5B	sister chromatid cohesion protein PDS5 homolog B [Homo sapiens]	S1358	1.15	1.28	AEsPESSAIESTQSTPQK	1	1	3	0	2×TMT6plex [N-Term; K18]; 1×Deamidated [Q17(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; Q17(Deamidated): 100	S(3): 100.0; S(6): 0.0; S(7): 0.0; S(11): 0.0; T(12): 0.0; S(14): 0.0; T(15): 0.0	RAQQRAEsPESSAIE	S3;	High	2416.153267	6.58	3.25	10.7	5.9	2	2	31.73	High	0.3125	5.449485302	High	0.1376	Yes
NP_001128659.1	3267	206597505	AGFG1	arf-GAP domain and FG repeat-containing protein 1 isoform 1 [Homo sapiens]	S181	0.93	1.38	GTPSQsPVVGR	1	4	2	0	1×TMT6plex [N-Term]; 1×Phospho [S6(98.8)]; 1×Deamidated [Q5(100)]	Q5(Deamidated): 100; S6(Phospho): 98.81	T(2): 0.0; S(4): 1.2; S(6): 98.8	NKGTPSQsPVVGRSQ	S6;	High	1394.687827					1	1	31.72	High	0.375	2.656790733	High	0.0677	Yes
NP_060082.2	55596	38044290	ZCCHC8	zinc finger CCHC domain-containing protein 8 [Homo sapiens]	S427	0.93	1.54	SSSHSSPGsPK	1	1	3	0	2×TMT6plex [N-Term; K11]; 1×Phospho [S9(100)]	S9(Phospho): 100	S(1): 0.0; S(2): 0.0; S(3): 0.0; S(5): 0.0; S(6): 0.0; S(9): 100.0	SSHSSPGsPKKQKNE	S9;	High	1595.783072					1	1	31.7	High	0.4062	4.941491127	High	0.3016	Yes
NP_061918.3	54521	45238858	WDR44	WD repeat-containing protein 44 isoform 1 [Homo sapiens]	T219	1.03	1.42	HLtPEPDIVASTK	1	3	2	0	2×TMT6plex [N-Term; K13]; 1×Phospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; S(11): 0.0; T(12): 0.0	AKPPRHLtPEPDIVA	T3;	High	1946.040015					1	1	31.67	High	1	4.054077148	High	0.5975	Yes
NP_003165.2	6840	150417971	SVIL	supervillin isoform 1 [Homo sapiens]	S270	0.87	0.5	SPSFGDPQLsPEARPR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S10(100)]	S10(Phospho): 100	S(1): 0.0; S(3): 0.0; S(10): 100.0	SFGDPQLsPEARPRC	S10;	High	2049.995635					1	1	31.66	High	0.9062	5.481592178	High	0.4599	Yes
NP_073733.1	64837	12383062	KLC2	kinesin light chain 2 isoform 1 [Homo sapiens]	S582	1.48	2.14	ASsLNFLNK	1	2	2	0	2×TMT6plex [N-Term; K9]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(2): 0.0; S(3): 100.0	PRMKRASsLNFLNKS	S3;	High	1531.828566					1	1	31.66	High	0.3438	3.913812399	High	0.0614	Yes
NP_002757.2	5635	194018537	PRPSAP1	phosphoribosyl pyrophosphate synthase-associated protein 1 [Homo sapiens]	S244	0.71	0.28	LGLAVIHGEAQCTELDMDDGRHsPPMVK	1	1	2	1	2×TMT6plex [N-Term; K28]; 1×Carbamidomethyl [C12]; 2×Oxidation [M17(100); M26(100)]; 1×Phospho [S23(100)]	M17(Oxidation): 100; S23(Phospho): 100; M26(Oxidation): 100	T(13): 0.0; S(23): 100.0	DMDDGRHsPPMVKNA	S23;	High	3646.74691					1	1	31.65	High	0.0625	8.588318825	High	0.1746	No
NP_005766.3	10174	155030230	SORBS3	vinexin isoform 1 [Homo sapiens]	S545	1.13	1.48	HPSsPSALR	1	2	4	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 99.99	S(3): 0.0; S(4): 100.0; S(6): 0.0	RSARHPSsPSALRSP	S4;	High	1260.629917					1	1	31.64	High	0.0312	3.052099943	High	0.1115	Yes
NP_612411.4	93349	134133279	SP140L	nuclear body protein SP140-like protein isoform 1 [Homo sapiens]	S180	0.77	0.7	QGEVPEsPEAR	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	KQGEVPEsPEARKES	S7;	High	1507.699119					1	1	31.63	High	1	3.466363907	High	0.6484	Yes
NP_078772.1	64207	33457336	IRF2BPL	interferon regulatory factor 2-binding protein-like [Homo sapiens]	S334	0.76	0.84	RPGsVSSTDQER	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(6): 0.0; S(7): 0.0; T(8): 0.0	AGGKRPGsVSSTDQE	S4;	High	1627.763844					1	1	31.63	High	0.5625	2.916357994	High	0.1233	Yes
NP_009134.1	445815	6005709	PALM2-AKAP2	PALM2-AKAP2 protein isoform 1 [Homo sapiens]	S979	1.75	2.48	QVLQSTQsPR	1	5	6	0	1×TMT6plex [N-Term]; 1×Phospho [S8(99.2)]	S8(Phospho): 99.99	S(5): 0.0; T(6): 0.0; S(8): 100.0	QVLQSTQsPRTKNAP	S8;	High	1452.740924	20.64	6.34	54.5	22.5	2	2	31.6	High	0.25	3.415121555	High	0.0965	No
NP_006087.2	10397	37655183	NDRG1	protein NDRG1 isoform 1 [Homo sapiens]	S342	0.9	1.1	TASGSSVTSLDGTRsR	1	3	4	1	1×TMT6plex [N-Term]; 1×Phospho [S15(99.2)]	S15(Phospho): 99.2	T(1): 0.0; S(3): 0.0; S(5): 0.0; S(6): 0.0; T(8): 0.0; S(9): 0.0; T(13): 0.8; S(15): 99.2	TSLDGTRsRSHTSEG	S15;	High	1890.911965					1	1	31.58	High	0.0312	3.804493189	High	0.0316	Yes
NP_001138230.1	23187	221219024	PHLDB1	pleckstrin homology-like domain family B member 1 isoform a [Homo sapiens]	S430	4.83	4.06	TFsDGLATR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(99.2)]	S3(Phospho): 99.23	T(1): 0.8; S(3): 99.2; T(8): 0.0	QLVGRTFsDGLATRT	S3;	High	1276.613599					1	1	31.57	High	0.4062	2.995315552	High	0.0967	Yes
NP_001025226.1	394	71834863	ARHGAP5	rho GTPase-activating protein 5 isoform a [Homo sapiens]	S1173	0.74	0.91	RTHsDASDDEAFTTSK	1	2	3	1	2×TMT6plex [N-Term; K16]; 1×Phospho [S4(98.4)]	S4(Phospho): 98.4	T(2): 1.6; S(4): 98.4; S(7): 0.0; T(13): 0.0; T(14): 0.0; S(15): 0.0	SYYRRTHsDASDDEA	S4;	High	2306.070206					1	1	31.54	High	0.25	3.148249388	High	0.0413	Yes
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	T244; T248	1.01	0.81	GSEtPGAtPGSK	1	1	7	0	2×TMT6plex [N-Term; K12]; 2×Phospho [T4(100); T8(100)]	T4(Phospho): 99.99; T8(Phospho): 100	S(2): 0.0; T(4): 100.0; T(8): 100.0; S(11): 0.0	GRAKGSEtPGATPGS;GSETPGAtPGSKIWD	T4; T8;	High	1706.780369	5.54	0.03	9.7	0	3	3	31.53	High	0.0625	5.889198303	High	0.2852	Yes;Yes
NP_001122390.2	4140	731441413	MARK3	MAP/microtubule affinity-regulating kinase 3 isoform a [Homo sapiens]	S598	0.86	0.61	sRGSTNLFSK	1	5	4	1	2×TMT6plex [N-Term; K10]; 1×Phospho [S1(99.2)]	S1(Phospho): 99.2	S(1): 99.2; S(4): 0.8; T(5): 0.0; S(9): 0.0	TPLSQTRsRGSTNLF	S1;	High	1634.866743					1	1	31.53	High	0.4062	3.822952271	High	0.0183	Yes
NP_937872.1	6002	38327601	RGS12	regulator of G-protein signaling 12 isoform 1 [Homo sapiens]	S850	0.88	0.94	ALPDSQQVPSsPASK	1	3	2	0	2×TMT6plex [N-Term; K15]; 1×Phospho [S11(99.1)]	S11(Phospho): 99.06	S(5): 0.0; S(10): 0.9; S(11): 99.1; S(14): 0.0	DSQQVPSsPASKHSL	S11;	High	2050.062207					1	1	31.52	High	0.125	3.295089483	High	0.0515	Yes
NP_000205.1	182	4557679	JAG1	protein jagged-1 precursor [Homo sapiens]	S1210	0.71	1.18	DLESAQsLNR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(4): 0.0; S(7): 100.0	RDLESAQsLNRMEYI	S7;	High	1441.688554					1	1	31.52	High	0.375	3.252925634	High	0.1846	Yes
NP_598001.1	140609	19424132	NEK7	serine/threonine-protein kinase Nek7 [Homo sapiens]	S195	0.98	0.62	TTAAHsLVGTPYYMSPER	1	1	2	0	1×TMT6plex [N-Term]; 1×Oxidation [M14(100)]; 1×Phospho [S6(100)]	S6(Phospho): 100; M14(Oxidation): 100	T(1): 0.0; T(2): 0.0; S(6): 100.0; T(10): 0.0; Y(12): 0.0; Y(13): 0.0; S(15): 0.0	SKTTAAHsLVGTPYY	S6;	High	2306.072565					1	1	31.51	High	0.25	3.348864317	High	0.2388	Yes
NP_060252.4	54906	296011010	FAM208B	protein FAM208B [Homo sapiens]	S219	2.14	0.72	ADRsPSLSVAPQDR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(6): 0.0; S(8): 0.0	ELYKADRsPSLSVAP	S4;	High	1807.890108					1	1	31.5	High	0.5938	3.350552797	High	0.2328	Yes
NP_001273510.1	57661	557440888	PHRF1	PHD and RING finger domain-containing protein 1 isoform 1 [Homo sapiens]	S973		0.79	TVTCVTVVEPEAPPsPDVLQAATHR	1	4	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C4]; 1×Phospho [S15(100)]	S15(Phospho): 100	T(1): 0.0; T(3): 0.0; T(6): 0.0; S(15): 100.0; T(23): 0.0	VEPEAPPsPDVLQAA	S15;	High	2983.479754						1	31.48	High	0.4194	4.041441917	High	0.1832	Yes
NP_036222.3	23499	33188445	MACF1	microtubule-actin cross-linking factor 1 [Homo sapiens]	S1860	0.62	0.47	QGsFSEDVISHK	1	1	3	0	2×TMT6plex [N-Term; K12]; 1×Deamidated [Q1(100)]; 1×Phospho [S3(100)]	Q1(Deamidated): 100; S3(Phospho): 100	S(3): 100.0; S(5): 0.0; S(10): 0.0	SLLKRQGsFSEDVIS	S3;	High	1872.914481					1	1	31.47	High	0.3871	3.663870335	High	0.0492	No
NP_002124.1	3162	4504437	HMOX1	heme oxygenase 1 [Homo sapiens]	S229	1.99	3.14	DQsPSRAPGLR	1	1	5	1	1×TMT6plex [N-Term]; 1×Phospho [S3(99.4)]	S3(Phospho): 99.36	S(3): 99.4; S(5): 0.6	THDTKDQsPSRAPGL	S3;	High	1492.747072	9.18	3.07	32.5	16.8	3	3	31.46	High	0.2903	3.147298574	High	0.1175	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S390	0.59	0.6	LRLsPSPTSQR	1	6	6	1	1×TMT6plex [N-Term]; 1×Deamidated [Q10(100)]; 1×Phospho [S4(100)]	S4(Phospho): 99.98; Q10(Deamidated): 100	S(4): 100.0; S(6): 0.0; T(8): 0.0; S(9): 0.0	EEERLRLsPSPTSQR	S4;	High	1551.809339	17.74	5.99	21.3	7.2	4	4	31.44	High	0.5806	3.341903687	High	0.1677	Yes
NP_065128.2	57117	21361851	INTS12	integrator complex subunit 12 [Homo sapiens]	S378	1.06	1.68	SVsCDNVSK	1	1	3	0	2×TMT6plex [N-Term; K9]; 1×Carbamidomethyl [C4]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(8): 0.0	TGLSRSVsCDNVSKV	S3;	High	1533.738431	14.59	1.33	22.1	3.2	2	2	31.42	High	0.6774	2.844857931	High	0.2676	Yes
NP_851853.1	221496	31044432	LEMD2	LEM domain-containing protein 2 isoform 1 [Homo sapiens]	S82	0.62	0.48	ARPAAAsPR	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	RARPAAAsPRAEPWL	S7;	High	1205.635337					1	1	31.4	High	0.2581	2.936881304	High	0.1803	Yes
NP_001511.2	2975	101943240	GTF3C1	general transcription factor 3C polypeptide 1 isoform 1 [Homo sapiens]	S1865	1.12	0.78	RAsWASENGETDAEGTQMTPAK	1	2	2	1	2×TMT6plex [N-Term; K22]; 1×Oxidation [M18(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; M18(Oxidation): 100	S(3): 100.0; S(6): 0.0; T(11): 0.0; T(16): 0.0; T(19): 0.0	RGTKRRAsWASENGE	S3;	High	2891.328288					1	1	31.38	High	0.0968	4.366406918	High	0.103	Yes
NP_612144.1	151636	19923717	DTX3L	E3 ubiquitin-protein ligase DTX3L [Homo sapiens]	S202	0.22	6.35	QQFsPSMTER	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S4(99.4)]	S4(Phospho): 99.35	S(4): 99.4; S(6): 0.7; T(8): 0.0	SEQKQQFsPSMTERK	S4;	High	1519.681361					1	1	31.38	High	0.0323	2.818535566	High	0.0993	Yes
NP_689929.2	219988	189217919	PATL1	protein PAT1 homolog 1 [Homo sapiens]	T194	0.23	2.25	AVPIGtPPK	1	1	2	0	2×TMT6plex [N-Term; K9]; 1×Phospho [T6(100)]	T6(Phospho): 100	T(6): 100.0	VRAVPIGtPPKQMAV	T6;	High	1417.822024					1	1	31.37	High	0.6774	3.059928179	High	0.366	Yes
NP_057615.3	51274	156151371	KLF3	Krueppel-like factor 3 [Homo sapiens]	S250	1.41	0.99	RPLPVEsPDTQR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; T(10): 0.0	KRPLPVEsPDTQRKR	S7;	High	1703.867916					1	1	31.36	High	0.5806	4.329870224	High	0.1617	Yes
NP_003371.2	7431	62414289	VIM	vimentin [Homo sapiens]	S459	0.45	0.58	DGQVINETsQHHDDLE	1	1	3	0	1×TMT6plex [N-Term]; 1×Deamidated [Q3(99)]; 1×Phospho [S9(99)]	Q3(Deamidated): 98.97; S9(Phospho): 98.97	T(8): 1.0; S(9): 99.0	GQVINETsQHHDDLE	S9;	High	2146.912753					1	1	31.36	High	0.1613	3.638601303	High	0.033	Yes
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	S194	0.91	0.6	VVNGAAASQPPsKR	1	1	3	1	2×TMT6plex [N-Term; K13]; 1×Deamidated [N3(100)]; 1×Phospho [S12(100)]	N3(Deamidated): 100; S12(Phospho): 100	S(8): 0.0; S(12): 100.0	AAASQPPsKRKRRWD	S12;	High	1921.030848	10.2	15.99	13.1	13.7	2	2	31.34	High	0.5806	4.79737711	High	0.2208	Yes
NP_076427.2	79098	145275189	C1orf116	specifically androgen-regulated gene protein isoform 1 [Homo sapiens]	T456	0.42	1.17	ANSALtPPKPESGLTLQESNTPGLR	1	2	2	0	2×TMT6plex [N-Term; K9]; 1×Phospho [T6(100)]	T6(Phospho): 100	S(3): 0.0; T(6): 100.0; S(12): 0.0; T(15): 0.0; S(19): 0.0; T(21): 0.0	PRANSALtPPKPESG	T6;	High	3116.639315					1	1	31.32	High	0.1613	5.937316895	High	0.0875	No
NP_064504.2	56829	27477136	ZC3HAV1	zinc finger CCCH-type antiviral protein 1 isoform 1 [Homo sapiens]	S378	2.11	1.11	TVFsPTLPAAR	1	2	3	0	1×TMT6plex [N-Term]; 1×Phospho [S4(99)]	S4(Phospho): 98.95	T(1): 0.0; S(4): 99.0; T(6): 1.1	ARRKTVFsPTLPAAR	S4;	High	1468.776247					1	1	31.3	High	0.129	3.0592103	High	0.0229	Yes
NP_004324.2	673	33188459	BRAF	serine/threonine-protein kinase B-raf [Homo sapiens]	S729	1.22	1.18	SAsEPSLNR	1	1	3	0	1×TMT6plex [N-Term]; 1×Deamidated [N8(100)]; 1×Phospho [S3(100)]	S3(Phospho): 99.99; N8(Deamidated): 100	S(1): 0.0; S(3): 100.0; S(6): 0.0	PKIHRSAsEPSLNRA	S3;	High	1270.587778					1	1	31.3	High	0.4839	2.9085958	High	0.1512	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_001107018.1	51474	165905589	LIMA1	LIM domain and actin-binding protein 1 isoform 1 [Homo sapiens]	S132	0.43	0.18	LRsPPEALVQGR	1	2	2	1	1ヺTMT6plex [N-Term]; 1ヺPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	HPRSRLRsPPEALVQ	S3;	High	1631.883172					1	1	31.29	High	1	4.305018902	High	0.7123	Yes
NP_001166994.1	5099	291084612	PCDH7	protocadherin-7 isoform d precursor [Homo sapiens]	S989	0.38	0.51	SVNGGPGsPDLAR	1	4	2	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S8(100)]	S8(Phospho): 100	S(1): 0.0; S(8): 100.0	SVNGGPGsPDLARHY	S8;	High	1535.741653					1	1	31.29	High	0.9032	3.050194263	High	0.4295	Yes
NP_055871.1	23076	57863269	RRP1B	ribosomal RNA processing protein 1 homolog B [Homo sapiens]	S245	1.86	1.14	VGDGDLsAEEIPENEVSLR	1	1	2	1	1ヺTMT6plex [N-Term]; 1ヺPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; S(17): 0.0	KVGDGDLsAEEIPEN	S7;	High	2494.202393					1	1	31.28	High	1	4.458407402	High	0.4126	Yes
NP_004710.2	9169	117676384	SCAF11	protein SCAF11 [Homo sapiens]	S963	1.32	0.96	IDRDSYsPR	1	1	3	1	1ヺTMT6plex [N-Term]; 1ヺPhospho [S7(100)]	S7(Phospho): 100	S(5): 0.0; Y(6): 0.0; S(7): 100.0	RIDRDSYsPRWKGRW	S7;	High	1417.667425					1	1	31.26	High	0.3871	2.955891609	High	0.0372	Yes
NP_510880.2	399687	28416946	MYO18A	unconventional myosin-XVIIIa isoform a [Homo sapiens]	S728	1.11	0.33	STsFRQGPEESGLGDGTGPK	1	2	5	1	2ヺTMT6plex [N-Term; K20]; 1ヺPhospho [S/T]	S3(Phospho): 98.09	S(1): 0.0; T(2): 1.9; S(3): 98.1; S(11): 0.0; T(17): 0.0	GTLQRSTsFRQGPEE	S3;	High	2545.233582					1	1	31.25	High	0.2903	3.748753548	High	0.024	Yes
NP_036377.1	22938	6912676	SNW1	SNW domain-containing protein 1 [Homo sapiens]	S224; S232	1.6	0.69	GPPsPPAPVMHsPSRK	1	1	4	1	2ヺTMT6plex [N-Term; K16]; 1ヺOxidation [M10(100)]; 2ヺPhospho [S4(100); S12(97.7)]	S4(Phospho): 100; M10(Oxidation): 100; S12(Phospho): 97.71	S(4): 100.0; S(12): 97.7; S(14): 2.3	KIPRGPPsPPAPVMH;PPAPVMHsPSRKMTV	S4; S12;	High	2276.106412	3.76	32.56	8.5	32.5	2	2	31.24	High	0.1935	4.790482998	High	0.5699	Yes;Yes
NP_001185702.1	5298	311771621	PI4KB	phosphatidylinositol 4-kinase beta isoform 2 [Homo sapiens]	S266	1.14	0.78	ELPSLSPAPDTGLsPSKR	1	2	3	1	2ヺTMT6plex [N-Term; K17]; 1ヺPhospho [S14(100)]	S14(Phospho): 99.97	S(4): 0.0; S(6): 0.0; T(11): 0.0; S(14): 100.0; S(16): 0.0	PAPDTGLsPSKRTHQ	S14;	High	2390.273262					1	1	31.21	High	0.2258	4.592988968	High	0.037	Yes
NP_001032897.1	8663	83700233	EIF3C	eukaryotic translation initiation factor 3 subunit C isoform a [Homo sapiens]	S39	0.8	0.98	QPLLLsEDEEDTKR	1	3	4	1	2ヺTMT6plex [N-Term; K13]; 1ヺDeamidated [Q1(100)]; 1ヺPhospho [S6(100)]	Q1(Deamidated): 100; S6(Phospho): 100	S(6): 100.0; T(12): 0.0	GKQPLLLsEDEEDTK	S6;	High	2212.115031	7.32	14.49	8.3	20.2	2	2	31.21	High	0.7742	4.324968815	High	0.3981	Yes
NP_061857.3	54434	239047414	SSH1	protein phosphatase Slingshot homolog 1 isoform 1 [Homo sapiens]	S937	1.54	1.32	SSsSDSIHSVR	1	1	12	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S3(99.2)]	S3(Phospho): 99.21	S(1): 0.0; S(2): 0.0; S(3): 99.2; S(4): 0.8; S(6): 0.0; S(9): 0.0	SNLTRSSsSDSIHSV	S3;	High	1470.678718					1	1	31.21	High	0.0323	3.836169004	High	0.0026	Yes
NP_075388.2	65117	38146107	RSRC2	arginine/serine-rich coiled-coil protein 2 [Homo sapiens]	S104	1.51	1.67	ERLNsSENGEDR	1	1	2	1	1ヺTMT6plex [N-Term]; 1ヺPhospho [S5(100)]	S5(Phospho): 99.98	S(5): 100.0; S(6): 0.0	KGRERLNsSENGEDR	S5;	High	1714.759487					1	1	31.21	High	0.5161	3.368732214	High	0.1246	Yes
NP_002573.1	5073	4505611	PARN	poly(A)-specific ribonuclease PARN isoform 1 [Homo sapiens]	S619	0.78	0.77	ELsPAGSISK	1	3	4	0	2ヺTMT6plex [N-Term; K10]; 1ヺPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(7): 0.0; S(9): 0.0	KRMKKELsPAGSISK	S3;	High	1526.823146	10.15	2.8	11.3	3	2	2	31.2	High	0.9677	3.94934392	High	0.3949	Yes
NP_066949.2	4357	194473668	MPST	3-mercaptopyruvate sulfurtransferase isoform 1 [Homo sapiens]	S15	0.91	0.85	ARsPSVAAMASPQLCR	1	1	4	1	1ヺTMT6plex [N-Term]; 1ヺCarbamidomethyl [C15]; 1ヺOxidation [M9(100)]; 1ヺDeamidated [Q13(100)]; 1ヺPhospho [S3(100)]	S3(Phospho): 100; M9(Oxidation): 100; Q13(Deamidated): 100	S(3): 100.0; S(5): 0.0; S(11): 0.0	ESETRARsPSVAAMA	S3;	High	2027.960513	10.06	40.07	13	51.4	2	2	31.18	High	0.4516	4.283827305	High	0.1192	Yes
NP_061981.2	56006	145301567	SMG9	protein SMG9 [Homo sapiens]	S53	1.3	0.35	DAsEETSTSVMQK	1	1	2	0	2ヺTMT6plex [N-Term; K13]; 1ヺOxidation [M11(100)]; 1ヺPhospho [S3(100)]	S3(Phospho): 100; M11(Oxidation): 100	S(3): 100.0; T(6): 0.0; S(7): 0.0; T(8): 0.0; S(9): 0.0	ERERRDAsEETSTSV	S3;	High	1966.908075					1	1	31.18	High	0.5806	3.941003561	High	0.1929	Yes
NP_056371.1	26037	7662126	SIPA1L1	signal-induced proliferation-associated 1-like protein 1 isoform 1 [Homo sapiens]	S1549	1.12	0.79	LIDLEsPTPESQK	1	4	2	0	2ヺTMT6plex [N-Term; K13]; 1ヺDeamidated [Q12(100)]; 1ヺPhospho [S6(100)]	S6(Phospho): 100; Q12(Deamidated): 100	S(6): 100.0; T(8): 0.0; S(11): 0.0	KKLIDLEsPTPESQK	S6;	High	1996.029176					1	1	31.18	High	0.5806	3.28862381	High	0.1277	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S570	1.14	0.87	IsMSEVDLNVAAPK	1	1	8	0	2ヺTMT6plex [N-Term; K14]; 1ヺOxidation [M3(100)]; 1ヺPhospho [S2(100)]	S2(Phospho): 100; M3(Oxidation): 100	S(2): 100.0; S(4): 0.0	KTGTCRIsMSEVDLN	S2;	High	2028.048866	36.22	4.18	63.7	5.2	2	2	31.17	High	0.9032	5.423981667	High	0.0351	Yes
NP_705902.2	80025	85838513	PANK2	pantothenate kinase 2, mitochondrial isoform 1 preproprotein [Homo sapiens]	S169	0.62	1.63	ASsASVPAVGASAEGTR	1	1	4	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S3(98.7)]	S3(Phospho): 98.72	S(2): 1.3; S(3): 98.7; S(5): 0.0; S(12): 0.0; T(16): 0.0	PLRRRASsASVPAVG	S3;	High	1826.884688					1	1	31.17	High	0.5484	2.636643887	High	0.0568	Yes
NP_647593.1	274	21536400	BIN1	myc box-dependent-interacting protein 1 isoform 1 [Homo sapiens]	S298	1.06	1.19	GNKSPsPPDGSPAATPEIR	1	10	3	1	2ヺTMT6plex [N-Term; K3]; 1ヺPhospho [S6(98.5)]	S6(Phospho): 98.46	S(4): 1.5; S(6): 98.5; S(11): 0.0; T(15): 0.0	AKGNKSPsPPDGSPA	S6;	High	2416.227375					1	1	31.15	High	0.7742	2.942930698	High	0.1088	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1103	0.4	0.73	SSsPVTELASR	1	1	4	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(2): 0.0; S(3): 100.0; T(6): 0.0; S(10): 0.0	GGRSRSSsPVTELAS	S3;	High	1442.708955	9.38	37.55	5.3	40.1	2	2	31.15	High	0.1613	2.9273386	High	0.0512	Yes
NP_001287990.1	9275	666638008	BCL7B	B-cell CLL/lymphoma 7 protein family member B isoform 3 [Homo sapiens]	S125; S133	1.57	0.93	VDSSTNSSPsPQQSESLsPAHTSDFR	1	2	2	0	1ヺTMT6plex [N-Term]; 2ヺPhospho [S10(94.2); S18(99.9)]	S10(Phospho): 94.16; S18(Phospho): 99.9	S(3): 0.0; S(4): 0.0; T(5): 0.0; S(7): 2.9; S(8): 2.9; S(10): 94.2; S(14): 0.0; S(16): 0.1; S(18): 99.9; T(22): 0.0; S(23): 0.0	SSTNSSPsPQQSESL;PQQSESLsPAHTSDF	S10; S18;	High	3137.329928					1	1	31.13	High	0.129	4.565005779	High	0.0591	No;No
NP_001157789.1	2317	256222411	FLNB	filamin-B isoform 1 [Homo sapiens]	S1536	0.56	0.83	YADEEIPRsPFK	1	4	2	1	2ヺTMT6plex [N-Term; K12]; 1ヺPhospho [S9(100)]	S9(Phospho): 100	Y(1): 0.0; S(9): 100.0	ADEEIPRsPFKVKVL	S9;	High	1990.008715					1	1	31.13	High	1	3.566237926	High	0.5126	No
NP_065090.1	57092	9966827	PCNP	PEST proteolytic signal-containing nuclear protein [Homo sapiens]	T139	0.77	1.02	NIGRDtPTSAGPNSFNK	1	1	2	1	2ヺTMT6plex [N-Term; K17]; 1ヺPhospho [T6(100)]	T6(Phospho): 100	T(6): 100.0; T(8): 0.0; S(9): 0.0; S(14): 0.0	MKNIGRDtPTSAGPN	T6;	High	2314.159295					1	1	31.12	High	0.7097	3.602748394	High	0.2194	Yes
NP_001154.2	320	22035548	APBA1	amyloid beta A4 precursor protein-binding family A member 1 [Homo sapiens]	S568	1.02	0.75	SNsQENVEASHPSQDGKR	1	1	3	1	2ヺTMT6plex [N-Term; K17]; 1ヺPhospho [S3(99.1)]	S3(Phospho): 99.06	S(1): 0.9; S(3): 99.1; S(10): 0.0; S(13): 0.0	RRMPRSNsQENVEAS	S3;	High	2508.188029					1	1	31.11	High	0.0645	5.652851105	High	0.0301	No
NP_060585.2	55153	153791300	SDAD1	protein SDA1 homolog isoform 1 [Homo sapiens]	S585	0.49	1.33	YIEIDsDEEPR	1	3	2	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S6(100)]	S6(Phospho): 100	Y(1): 0.0; S(6): 100.0	RKYIEIDsDEEPRGE	S6;	High	1674.746129					1	1	31.11	High	1	2.830703259	High	0.4947	Yes
NP_003617.1	8500	4505983	PPFIA1	liprin-alpha-1 isoform b [Homo sapiens]	S242	1.33	1.3	SSDGsLSHEEDLAK	1	2	7	0	2ヺTMT6plex [N-Term; K14]; 2ヺPhospho [S5(98.3); S]	S1(Phospho): 50.01; S2(Phospho): 50.01; S5(Phospho): 98.28	S(1): 50.0; S(2): 50.0; S(5): 98.3; S(7): 1.7	GKRSSDGsLSHEEDL	S5;	High	2092.924133					1	1	31.07	High	1	4.432088375	High	0.0767	Yes
NP_036234.3	473	112382216	RERE	arginine-glutamic acid dipeptide repeats protein isoform a [Homo sapiens]	S656	0.77	1.39	VAsDTEEADR	1	2	2	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(5): 0.0	RQREKVAsDTEEADR	S3;	High	1401.609635					1	1	31.04	High	0.5484	3.027626038	High	0.2343	Yes
NP_001131024.1	9208	212276096	LRRFIP1	leucine-rich repeat flightless-interacting protein 1 isoform 3 [Homo sapiens]	S120	1.97	0.97	RGsGDTSISIDTEASIR	1	5	2	1	1ヺTMT6plex [N-Term]; 1ヺPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(6): 0.0; S(7): 0.0; S(9): 0.0; T(12): 0.0; S(15): 0.0	GTSSRRGsGDTSISI	S3;	High	2074.001508					1	1	31.03	High	0.2581	3.794241905	High	0.1504	Yes
NP_060621.3	55183	56676335	RIF1	telomere-associated protein RIF1 isoform 1 [Homo sapiens]	S2196	0.56	0.97	SQEDEISsPVNK	1	2	4	0	2ヺTMT6plex [N-Term; K12]; 1ヺPhospho [S8(99.1)]	S8(Phospho): 99.07	S(1): 0.0; S(7): 0.9; S(8): 99.1	SQEDEISsPVNKVRR	S8;	High	1870.91996					1	1	31	High	0.8065	3.504702091	High	0.0514	Yes
NP_001193769.1	10618	332205947	TGOLN2	trans-Golgi network integral membrane protein 2 isoform 2 precursor [Homo sapiens]	S298	1.11	1.12	LSPHAFKTEsGEETDLISPPQEEVK	1	3	3	1	3ヺTMT6plex [N-Term; K7; K25]; 1ヺPhospho [S10(96.3)]	S10(Phospho): 96.33	S(2): 0.0; T(8): 1.8; S(10): 96.3; T(14): 1.8; S(18): 0.0	PHAFKTEsGEETDLI	S10;	High	3535.817622					1	1	30.99	High	0.129	7.012704372	High	0.0014	Yes
NP_001036783.1	91748	112807226	ELMSAN1	ELM2 and SANT domain-containing protein 1 [Homo sapiens]	S461	0.78	0.73	RAsQEANLLTLAQK	1	1	2	1	2ヺTMT6plex [N-Term; K14]; 1ヺPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(10): 0.0	TRRRRRAsQEANLLT	S3;	High	2081.152025					1	1	30.99	High	0.9677	5.355124474	High	0.556	Yes
NP_006144.1	4690	5453754	NCK1	cytoplasmic protein NCK1 isoform 1 [Homo sapiens]	S85	0.96	1.35	RKPsVPDSASPADDSFVDPGER	1	2	2	1	2ヺTMT6plex [N-Term; K2]; 1ヺPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(8): 0.0; S(10): 0.0; S(15): 0.0	GKVKRKPsVPDSASP	S4;	High	2867.397687					1	1	30.99	High	0.5161	4.027813435	High	0.2084	Yes
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	T313	0.8	1.13	DTPGHGSGWAEtPR	1	1	4	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [T12(100)]	T12(Phospho): 100	T(2): 0.0; S(7): 0.0; T(12): 100.0	HGSGWAEtPRTDRGG	T12;	High	1776.790394	11.12	9.07	12.7	14.6	2	2	30.98	High	0.6129	5.115683556	High	0.2969	Yes
NP_942568.2	23061	45597175	TBC1D9B	TBC1 domain family member 9B isoform a [Homo sapiens]	S435	0.56	0.87	KASVVDPSTESSPAPQEGSEQPASPAsPLSSR	1	2	2	1	2ヺTMT6plex [N-Term; K]; 1ヺPhospho [S27(100)]	S27(Phospho): 100	S(3): 0.0; S(8): 0.0; T(9): 0.0; S(11): 0.0; S(12): 0.0; S(19): 0.0; S(24): 0.0; S(27): 100.0; S(30): 0.0; S(31): 0.0	EQPASPAsPLSSRQS	S27;	High	3718.821314					1	1	30.98	High	0.2258	4.923584461	High	0.0976	Yes
NP_055855.2	200576	121583483	PIKFYVE	1-phosphatidylinositol 3-phosphate 5-kinase isoform 2 [Homo sapiens]	S307	1.43	1.22	SAsITNLSLDR	1	3	2	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; T(5): 0.0; S(8): 0.0	PARNRSAsITNLSLD	S3;	High	1485.751155					1	1	30.98	High	0.0645	3.995838165	High	0.17	Yes
NP_002203.1	3692	4504771	EIF6	eukaryotic translation initiation factor 6 isoform a [Homo sapiens]	S239		6.95	LNEAQPSTIATSMRDsLIDSLT	1	2	7	1	1ヺTMT6plex [N-Term]; 1ヺOxidation [M13(100)]; 1ヺPhospho [S16(96.4)]	M13(Oxidation): 100; S16(Phospho): 96.42	S(7): 0.1; T(8): 0.1; T(11): 0.0; S(12): 3.3; S(16): 96.4; S(20): 0.0; T(22): 0.0	IATSMRDsLIDSLT_	S16;	High	2688.300058						1	30.93	High	0.129	3.82685709	High	0.0366	Yes
NP_057737.2	51776	82880648	ZAK	mitogen-activated protein kinase kinase kinase MLT isoform 1 [Homo sapiens]	S668	1.02	0.6	DSGFSSGNTDTSsERGR	1	1	2	1	1ヺTMT6plex [N-Term]; 1ヺPhospho [S13(98.7)]	S13(Phospho): 98.73	S(2): 0.0; S(5): 0.0; S(6): 0.0; T(9): 0.0; T(11): 0.0; S(12): 1.3; S(13): 98.7	SGNTDTSsERGRYSD	S13;	High	2068.877036					1	1	30.92	High	0.2258	3.609012365	High	0.0582	Yes
NP_060612.2	55174	83582809	INTS10	integrator complex subunit 10 [Homo sapiens]	S231	1.5	0.44	STQIENQHQGAQDTSDLMsPSKR	1	1	4	1	2ヺTMT6plex [N-Term; K22]; 1ヺOxidation [M18(100)]; 1ヺPhospho [S19(99.9)]	M18(Oxidation): 100; S19(Phospho): 99.92	S(1): 0.0; T(2): 0.0; T(14): 0.0; S(15): 0.0; S(19): 99.9; S(21): 0.1	QDTSDLMsPSKRSSQ	S19;	High	3112.477077					1	1	30.91	High	0.0323	6.950440407	High	0.0619	Yes
NP_006232.1	5504	5453946	PPP1R2	protein phosphatase inhibitor 2 isoform 2 [Homo sapiens]	S121	1.82	0.18	IQEQEsSGEEDSDLSPEEREK	1	2	3	1	2ヺTMT6plex [N-Term; K21]; 1ヺPhospho [S6(100)]	S6(Phospho): 99.96	S(6): 100.0; S(7): 0.0; S(12): 0.0; S(15): 0.0	YRIQEQEsSGEEDSD	S6;	High	2959.345771					1	1	30.91	High	0.5806	2.986876965	High	0.087	Yes
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S914	0.64	0.54	RGsPVPPVPER	1	1	5	1	1ヺTMT6plex [N-Term]; 1ヺPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	AYPERRGsPVPPVPE	S3;	High	1499.793294	10.51	24.2	11.6	22.9	3	3	30.88	High	1	4.488416195	High	0.7038	Yes
NP_976225.1	9406	42741684	ZRANB2	zinc finger Ran-binding domain-containing protein 2 isoform 1 [Homo sapiens]	S280	0.55	0.69	SYSSSSSsPER	1	2	4	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S8(100)]	S8(Phospho): 99.99	S(1): 0.0; Y(2): 0.0; S(3): 0.0; S(4): 0.0; S(5): 0.0; S(6): 0.0; S(7): 0.0; S(8): 100.0	SYSSSSSsPERNRKR	S8;	High	1482.631099					1	1	30.86	High	0.0645	3.3164258	High	0.0181	Yes
NP_149072.2	11083	301129165	DIDO1	death-inducer obliterator 1 isoform c [Homo sapiens]	S1456	2.18	1.55	RNsVERPAEPVAGAATPSLVEQQK	1	1	3	1	2ヺTMT6plex [N-Term; K24]; 1ヺPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(16): 0.0; S(18): 0.0	CADVRRNsVERPAEP	S3;	High	3072.624333	0.61	2.34	1.9	5.1	2	2	30.84	High	0.4839	9.040643692	High	0.3617	Yes
NP_001287955.1	7082	666335594	TJP1	tight junction protein ZO-1 isoform d [Homo sapiens]	S333	0.31	0.12	SEPSDHSRHsPQQPSNGSLR	1	4	5	1	1ヺTMT6plex [N-Term]; 1ヺPhospho [S10(98.2)]; 1ヺDeamidated [N16(100)]	S10(Phospho): 98.21; N16(Deamidated): 100	S(1): 0.0; S(4): 0.0; S(7): 1.8; S(10): 98.2; S(15): 0.0; S(18): 0.0	PSDHSRHsPQQPSNG	S10;	High	2513.136773	215.84	306.19	119	56.1	2	2	30.84	High	0.0968	5.756528378	High	0.1146	No
NP_001240628.1	55914	358679318	ERBB2IP	protein LAP2 isoform 8 [Homo sapiens]	S440	2.03	0.55	TEDVMFIsDNESFNPSLWEEQRK	1	6	3	1	2ヺTMT6plex [N-Term; K23]; 1ヺOxidation [M5(100)]; 1ヺPhospho [S8(97.2)]	M5(Oxidation): 100; S8(Phospho): 97.15	T(1): 0.0; S(8): 97.2; S(12): 2.9; S(16): 0.0	TEDVMFIsDNESFNP	S8;	High	3355.55941					1	1	30.84	High	0.129	3.382737875	High	0.0325	Yes
NP_115765.2	84364	31543983	ARFGAP2	ADP-ribosylation factor GTPase-activating protein 2 isoform 1 [Homo sapiens]	S146	1.68	0.3	HGTDLWIDNMSSAVPNHsPEKK	1	1	2	1	3ヺTMT6plex [N-Term; K21; K22]; 1ヺOxidation [M10(100)]; 1ヺPhospho [S18(100)]	M10(Oxidation): 100; S18(Phospho): 100	T(3): 0.0; S(11): 0.0; S(12): 0.0; S(18): 100.0	SSAVPNHsPEKKDSD	S18;	High	3246.622174					1	1	30.81	High	0.2903	6.908377647	High	0.1838	Yes
NP_001093587.1	9699	154354983	RIMS2	regulating synaptic membrane exocytosis protein 2 isoform a [Homo sapiens]	S1334	1.27	0.83	RAsQSSLESSTGPSYSR	1	4	2	1	1ヺTMT6plex [N-Term]; 1ヺPhospho [S3(100)]	S3(Phospho): 99.98	S(3): 100.0; S(5): 0.0; S(6): 0.0; S(9): 0.0; S(10): 0.0; T(11): 0.0; S(14): 0.0; Y(15): 0.0; S(16): 0.0	APLTRRAsQSSLESS	S3;	High	2108.981107					1	1	30.8	High	0.2581	3.039980412	High	0.1316	No
NP_004563.2	5318	148664226	PKP2	plakophilin-2 isoform 2b [Homo sapiens]	S151	0.72	0.47	LEIsPDSSPER	1	2	2	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(7): 0.0; S(8): 0.0	PLRRLEIsPDSSPER	S4;	High	1538.730085					1	1	30.78	High	0.2258	2.978339434	High	0.3121	Yes
NP_073568.2	64710	56118310	NUCKS1	nuclear ubiquitous casein and cyclin-dependent kinase substrate 1 [Homo sapiens]	S234; S240	1.34	0.54	TSTSPPPEKSGDEGsEDEAPsGED	1	1	2	1	2ヺTMT6plex [N-Term; K9]; 2ヺPhospho [S15(100); S21(100)]	S15(Phospho): 100; S21(Phospho): 100	T(1): 0.0; S(2): 0.0; T(3): 0.0; S(4): 0.0; S(10): 0.0; S(15): 100.0; S(21): 100.0	EKSGDEGsEDEAPSG;GSEDEAPsGED_	S15; S21;	High	3023.233183					1	1	30.76	High	0.9677	4.144433975	High	0.3551	Yes;Yes
NP_951009.1	2872	40018627	MKNK2	MAP kinase-interacting serine/threonine-protein kinase 2 isoform 2 [Homo sapiens]	S452	3.76	1.66	QRAsLSSAPVVLVGDHA	1	1	3	1	1ヺTMT6plex [N-Term]; 1ヺPhospho [S4(100)]	S4(Phospho): 99.95	S(4): 100.0; S(6): 0.0; S(7): 0.0	AQRRQRAsLSSAPVV	S4;	High	2016.047671					1	1	30.76	High	0.4839	4.100820065	High	0.0463	Yes
NP_001186549.1	135112	313850976	NCOA7	nuclear receptor coactivator 7 isoform 1 [Homo sapiens]	S211	1.21	0.77	VLSSTsEEDEPGVVK	1	3	5	0	2ヺTMT6plex [N-Term; K15]; 1ヺPhospho [S6(99)]	S6(Phospho): 98.96	S(3): 0.0; S(4): 0.0; T(5): 1.0; S(6): 99.0	ERVLSSTsEEDEPGV	S6;	High	2114.067018					1	1	30.76	High	0.2258	3.104589701	High	0.0387	Yes
NP_036569.1	23557	6912674	SNAPIN	SNARE-associated protein Snapin [Homo sapiens]	S133	0.89	0.56	AMLDSGIYPPGsPGK	1	1	4	0	2ヺTMT6plex [N-Term; K15]; 1ヺOxidation [M2(100)]; 1ヺPhospho [S12(100)]	M2(Oxidation): 100; S12(Phospho): 100	S(5): 0.0; Y(8): 0.0; S(12): 100.0	SGIYPPGsPGK_	S12;	High	2044.022651	16.81	16.58	21.4	13.2	2	2	30.74	High	0.9355	3.597963572	High	0.3889	Yes
NP_004438.3	2059	56682953	EPS8	epidermal growth factor receptor kinase substrate 8 [Homo sapiens]	T223	1.3	0.71	APAPAPPGtVTQVDVR	1	1	2	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [T9(100)]	T9(Phospho): 99.97	T(9): 100.0; T(11): 0.0	PAPAPPGtVTQVDVR	T9;	High	1884.978194					1	1	30.74	High	0.4516	3.035690546	High	0.148	Yes
NP_055872.4	23077	291190787	MYCBP2	E3 ubiquitin-protein ligase MYCBP2 [Homo sapiens]	S3505	0.61	0.45	RVNsGDTEVGSSLLR	1	1	2	1	1ヺTMT6plex [N-Term]; 1ヺPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(7): 0.0; S(11): 0.0; S(12): 0.0	IPRRRVNsGDTEVGS	S4;	High	1898.953436					1	1	30.72	High	0.0968	3.712835312	High	0.2507	No
NP_004630.3	7917	149158692	BAG6	large proline-rich protein BAG6 isoform a [Homo sapiens]	S113	1.29	1	APPQTHLPSGASSGTGSASATHGGGsPPGTR	1	4	3	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S26(97.8)]	S26(Phospho): 97.78	T(5): 0.0; S(9): 0.0; S(12): 0.0; S(13): 0.0; T(15): 0.0; S(17): 0.0; S(19): 0.0; T(21): 0.0; S(26): 97.8; T(30): 2.2	SATHGGGsPPGTRGP	S26;	High	3094.454084	5.83	45.29	10.7	71.4	2	2	30.7	High	0.2581	6.482028008	High	0.0571	Yes
NP_064520.2	56897	18426902	WRNIP1	ATPase WRNIP1 isoform 1 [Homo sapiens]	S75	0.75	3.18	RLsESSALK	1	2	4	1	2ヺTMT6plex [N-Term; K9]; 1ヺPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; S(6): 0.0	GAKRRRLsESSALKQ	S3;	High	1528.85003					1	1	30.69	High	0.0645	3.950532198	High	0.1696	Yes
NP_683692.2	259282	87299628	BOD1L1	biorientation of chromosomes in cell division protein 1-like 1 [Homo sapiens]	S2905	1.25	0.79	TDTGIVTVEQsPSSSK	1	1	2	0	2ヺTMT6plex [N-Term; K16]; 1ヺPhospho [S11(100)]	S11(Phospho): 100	T(1): 0.0; T(3): 0.0; T(7): 0.0; S(11): 100.0; S(13): 0.0; S(14): 0.0; S(15): 0.0	GIVTVEQsPSSSKLK	S11;	High	2174.09938					1	1	30.68	High	0.2903	3.644551516	High	0.0632	Yes
NP_001185730.1	8672	311771714	EIF4G3	eukaryotic translation initiation factor 4 gamma 3 isoform 1 [Homo sapiens]	S494	0.78	1.16	RsPVPAQIAITVPK	1	3	2	1	2ヺTMT6plex [N-Term; K14]; 1ヺPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; T(11): 0.0	QNLNSRRsPVPAQIA	S2;	High	2015.181869					1	1	30.67	High	1	5.491176128	High	0.5883	No

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_055665.1	9901	24307967	SRGAP3	SLIT-ROBO Rho GTPase-activating protein 3 isoform a [Homo sapiens]	S874	0.37	0.77	SGGDTHsPPR	1	2	3	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(1): 0.0; T(5): 0.0; S(7): 100.0	RSGGDTHsPPRGLGP	S7;	High	1319.59426					1	1	30.67	High	0.3226	3.419553518	High	0.2047	No
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S998	1.24	5.9	RMEDEGGFPVPQENGQPEsPR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S19(100)]	S19(Phospho): 100	S(19): 100.0	QENGQPEsPRRLSLG	S19;	High	2665.19151					1	1	30.66	High	0.9032	4.059016228	High	0.5443	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S414	1.45	1.04	TRHsPTPQQSNR	1	3	8	1	1×TMT6plex [N-Term]; 1×Phospho [S4(99.3)]	S4(Phospho): 99.99	T(1): 0.0; S(4): 100.0; T(6): 0.0; S(10): 0.0	PPPKTRHsPTPQQSN	S4;	High	1717.833261	11.95	4.11	40.2	9.6	5	5	30.63	High	0.4194	5.248640537	High	0.0971	Yes
NP_071936.2	64426	75677351	SUDS3	sin3 histone deacetylase corepressor complex component SDS3 [Homo sapiens]	S234	0.94	0.78	RPAsPSSPEHLPATPAESPAQR	1	1	4	0	1×TMT6plex [N-Term]; 2×Phospho [S4(99); S/T]	S4(Phospho): 99; S6(Phospho): 50.5; S7(Phospho): 50.5	S(4): 99.0; S(6): 50.5; S(7): 50.5; T(14): 0.0; S(18): 0.0	KSPKRPAsPSSPEHL	S4;	High	2672.243226					1	1	30.62	High	0.0645	3.598699331	High	0.0417	Yes
NP_001120683.1	57698	187761324	KIAA1598	shootin-1 isoform a [Homo sapiens]	S249	2.64	1.91	RQsHLLLQSSIPDQQLLK	1	5	3	1	2×TMT6plex [N-Term; K18]; 1×Deamidated [Q8(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; Q8(Deamidated): 100	S(3): 100.0; S(9): 0.0; S(10): 0.0	QNKLKRQsHLLLQSS	S3;	High	2643.463523					1	1	30.6	High	0.2258	5.06701231	High	0.0316	Yes
NP_001263993.1	56947	457866842	MFF	mitochondrial fission factor isoform d [Homo sapiens]	S129	2.09	0.54	ERsMSENAVR	1	7	7	1	1×TMT6plex [N-Term]; 1×Oxidation [M4(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; M4(Oxidation): 100	S(3): 100.0; S(5): 0.0	GRLKRERsMSENAVR	S3;	High	1503.682424	0.45	17.17	1.6	16.3	3	3	30.6	High	0.4839	3.356977224	High	0.1935	Yes
NP_002130.2	27316	56699409	RBMX	RNA-binding motif protein, X chromosome isoform 1 [Homo sapiens]	S208	1.26	1.57	RDVYLsPR	1	2	2	1	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	Y(4): 0.0; S(6): 100.0	SRRDVYLsPRDDGYS	S6;	High	1314.676868					1	1	30.59	High	0.6774	2.904900789	High	0.2241	Yes
NP_001010924.1	221061	63025206	FAM171A1	protein FAM171A1 precursor [Homo sapiens]	S849	0.87	1.18	TADAPSEPAAsPHQR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S11(100)]	S11(Phospho): 100	T(1): 0.0; S(6): 0.0; S(11): 100.0	APSEPAAsPHQRRSA	S11;	High	1843.853722					1	1	30.57	High	0.4839	3.870086908	High	0.4548	Yes
NP_073605.4	64783	47933339	RBM15	putative RNA-binding protein 15 isoform 1 [Homo sapiens]	S670; S674	0.73	0.98	HCAPsPDRsPELSSSR	1	2	2	1	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C2]; 2×Phospho [S5(100); S9(100)]	S5(Phospho): 100; S9(Phospho): 100	S(5): 100.0; S(9): 100.0; S(13): 0.0; S(14): 0.0; S(15): 0.0	RKRHCAPsPDRSPEL;CAPSPDRsPELSSSR	S5; S9;	High	2171.914364					1	1	30.56	High	0.5161	3.717861891	High	0.2957	Yes;Yes
NP_001037850.1	65062	113205075	TMEM237	transmembrane protein 237 isoform a [Homo sapiens]	S62	2.3	1.13	RPsEGNEPSTK	1	2	3	0	2×TMT6plex [N-Term; K11]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(9): 0.0; T(10): 0.0	QTAGRRPsEGNEPST	S3;	High	1739.87295	3.82	43.08	12.5	78.2	2	2	30.54	High	0.8065	5.359631538	High	0.4403	Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	T387	0.18	0.62	VFTASPASIAATSFSEDtLKK	1	1	2	1	3×TMT6plex [N-Term; K20; K21]; 1×Phospho [T18(100)]	T18(Phospho): 99.97	T(3): 0.0; S(5): 0.0; S(8): 0.0; T(12): 0.0; S(13): 0.0; S(15): 0.0; T(18): 100.0	ATSFSEDtLKKEKQA	T18;	High	2938.578167					1	1	30.54	High	0.3226	4.397650719	High	0.0818	No
NP_056140.1	23379	149363685	ICE1	little elongation complex subunit 1 [Homo sapiens]	S1854	1.84	1.39	LDTGsPEPETR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 99.99	T(3): 0.0; S(5): 100.0; T(10): 0.0	RLRLDTGsPEPETRG	S5;	High	1510.698785					1	1	30.54	High	0.4516	3.512811422	High	0.1909	Yes
NP_006368.3	10497	110611226	UNC13B	protein unc-13 homolog B [Homo sapiens]	S1251	1.01	1.18	GTGNAsPDAR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	T(2): 0.0; S(6): 100.0	VRGTGNAsPDARASA	S6;	High	1254.567711					1	1	30.54	High	0.3548	2.749982357	High	0.1964	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	S252	0.36	1.01	APsRQDVYGPQPQVR	1	15	2	1	1×TMT6plex [N-Term]; 2×Deamidated [Q11(100); Q13(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; Q11(Deamidated): 100; Q13(Deamidated): 100	S(3): 100.0; Y(8): 0.0	MEGYRAPsRQDVYGP	S3;	High	2008.969087					1	1	30.53	High	0.7419	3.379728794	High	0.3462	Yes
NP_004406.2	1832	58530840	DSP	desmoplakin isoform I [Homo sapiens]	S2821; S2825	0.53	0.36	GLPSPYNMSsAPGsR	1	2	4	0	1×TMT6plex [N-Term]; 1×Oxidation [M8(100)]; 2×Phospho [S10(100); S14(100)]	M8(Oxidation): 100; S10(Phospho): 99.95; S14(Phospho): 100	S(4): 0.0; Y(6): 0.0; S(9): 0.1; S(10): 100.0; S(14): 100.0	PSPYNMSsAPGSRSG;NMSSAPGsRSGSRSG	S10; S14;	High	1925.806712					1	1	30.52	High	0.1935	2.987622261	High	0.291	Yes;Yes
NP_078976.2	79753	21314720	SNIP1	smad nuclear-interacting protein 1 [Homo sapiens]	S35	1.3	1.06	QERLsPEVAPPAHR	1	1	3	1	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	VVKQERLsPEVAPPA	S5;	High	1895.969027	7.82	9.48	14.4	14.3	2	2	30.51	High	0.9355	4.798670292	High	0.6458	Yes
NP_663720.1	9448	22035606	MAP4K4	mitogen-activated protein kinase kinase kinase kinase 4 isoform 3 [Homo sapiens]	S625	1.02	2.02	NsTSSIEPR	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; T(3): 0.0; S(4): 0.0; S(5): 0.0	SQAGQRNsTSSIEPR	S2;	High	1299.614327					1	1	30.51	High	0.0645	2.870643616	High	0.0767	No
NP_001096631.1	400745	156938287	SH2D5	SH2 domain-containing protein 5 isoform 1 [Homo sapiens]	S231	0.39	0.67	LGNPYCsPTLVR	1	2	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C6]; 1×Phospho [S7(100)]	S7(Phospho): 98.38	Y(5): 0.0; S(7): 98.4; T(9): 1.6	RLGNPYCsPTLVRKK	S7;	High	1685.828359					1	1	30.51	High	0.4194	2.637707472	High	0.1023	Yes
NP_003479.1	8165	4502015	AKAP1	A-kinase anchor protein 1, mitochondrial precursor [Homo sapiens]	S151	0.97	1.08	SIPLECPLSsPK	1	1	3	0	2×TMT6plex [N-Term; K12]; 1×Carbamidomethyl [C6]; 1×Phospho [S10(99.4)]	S10(Phospho): 99.39	S(1): 0.0; S(9): 0.6; S(10): 99.4	PLECPLSsPKGVLFS	S10;	High	1865.984809					1	1	30.49	High	0.1667	4.273160458	High	0.0422	Yes
NP_112738.1	3184	14110420	HNRNPD	heterogeneous nuclear ribonucleoprotein D0 isoform a [Homo sapiens]	S83	1.39	2.25	IDASKNEEDEGHSNSsPR	1	2	19	1	2×TMT6plex [N-Term; K5]; 1×Deamidated [N6(100)]; 1×Phospho [S16(99)]	N6(Deamidated): 100; S16(Phospho): 98.99	S(4): 0.0; S(13): 0.0; S(15): 1.0; S(16): 99.0	DEGHSNSsPRHSEAA	S16;	High	2511.140076					1	1	30.47	High	0.2333	5.0504632	High	0.0257	Yes
NP_065075.1	57181	55741750	SLC39A10	zinc transporter ZIP10 precursor [Homo sapiens]	T540	0.66	0.64	QNTEEStIGR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [T7(100)]	T7(Phospho): 99.99	T(3): 0.0; S(6): 0.0; T(7): 100.0	KQNTEEStIGRKLSD	T7;	High	1443.667819					1	1	30.46	High	0.2667	2.84743762	High	0.0702	Yes
NP_114129.1	83860	151301171	TAF3	transcription initiation factor TFIID subunit 3 [Homo sapiens]	S183	1.27	0.74	RPLDsPEAEELPAMK	1	1	2	0	2×TMT6plex [N-Term; K15]; 1×Oxidation [M14(100)]; 1×Phospho [S5(100)]	S5(Phospho): 100; M14(Oxidation): 100	S(5): 100.0	LGKRPLDsPEAEELP	S5;	High	2237.128907					1	1	30.44	High	1	4.386393547	High	0.6173	Yes
NP_775873.2	57609	55749758	DIP2B	disco-interacting protein 2 homolog B [Homo sapiens]	S259	0.85	0.32	GSNRSsLMDTADGVPVSSR	1	1	5	1	1×TMT6plex [N-Term]; 1×Oxidation [M8(100)]; 1×Phospho [S6(97.2)]	S6(Phospho): 97.17; M8(Oxidation): 100	S(2): 0.1; S(5): 2.8; S(6): 97.2; T(10): 0.0; S(17): 0.0; S(18): 0.0	HKGSNRSsLMDTADG	S6;	High	2261.043056					1	1	30.44	High	0.0333	4.125597477	High	0.0484	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1179	1.54	0.65	MALPPQEDATAsPPRQK	1	1	13	1	2×TMT6plex [N-Term; K17]; 1×Oxidation [M1(100)]; 1×Phospho [S12(100)]	M1(Oxidation): 100; S12(Phospho): 100	T(10): 0.0; S(12): 100.0	PQEDATAsPPRQKDK	S12;	High	2391.214368	2.45	17.78	10	31.3	7	7	30.43	High	0.3333	4.387631416	High	0.0433	Yes
NP_001025006.1	83605	71067341	CCM2	cerebral cavernous malformations 2 protein isoform 1 [Homo sapiens]	S405	1.05	0.85	GIITDsFGR	1	4	2	0	1×TMT6plex [N-Term]; 1×Phospho [S6(99.1)]	S6(Phospho): 99.11	T(4): 0.9; S(6): 99.1	GRGIITDsFGRHRRA	S6;	High	1274.634334					1	1	30.42	High	0.3	2.694187403	High	0.2007	No
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5099	24.2	3.17	MYFPDVEFDIKsPK	1	1	3	1	3×TMT6plex [N-Term; K11; K14]; 1×Oxidation [M1(100)]; 1×Phospho [S12(100)]	M1(Oxidation): 100; S12(Phospho): 100	Y(2): 0.0; S(12): 100.0	DVEFDIKsPKFKAEA	S12;	High	2499.284963	1.16	3.59	41.5	16.2	2	2	30.41	High	0.9	5.17039156	High	0.5764	Yes
NP_005326.2	3059	167234422	HCLS1	hematopoietic lineage cell-specific protein isoform 1 [Homo sapiens]	T308	1.77	0.72	KISSEAWPPVGtPPSSESEPVR	1	2	2	1	2×TMT6plex [N-Term; K]; 1×Phospho [T12(100)]	T12(Phospho): 100	S(3): 0.0; S(4): 0.0; T(12): 100.0; S(15): 0.0; S(16): 0.0; S(18): 0.0	EAWPPVGtPPSSESE	T12;	High	2875.46431					1	1	30.4	High	0.6	4.41780138	High	0.1063	Yes
NP_001005731.1	3691	54607033	ITGB4	integrin beta-4 isoform 3 precursor [Homo sapiens]	S1000	0.27	0.22	DVVSFEQPEFsVSRGDQVAR	1	3	3	1	1×TMT6plex [N-Term]; 1×Phospho [S11(100)]	S11(Phospho): 99.98	S(4): 0.0; S(11): 100.0; S(13): 0.0	SFEQPEFsVSRGDQV	S11;	High	2561.223463					1	1	30.39	High	0.0333	3.973283768	High	0.0529	Yes
NP_001129735.1	126567	210147453	C2CD4C	C2 calcium-dependent domain-containing protein 4C [Homo sapiens]	S156	0.35	2.16	AQTSYGFAMLAEsPHTR	1	1	2	0	1×TMT6plex [N-Term]; 1×Oxidation [M9(100)]; 1×Phospho [S13(99.9)]	M9(Oxidation): 100; S13(Phospho): 99.93	T(3): 0.0; S(4): 0.0; Y(5): 0.0; S(13): 99.9; T(16): 0.1	GFAMLAEsPHTRRKE	S13;	High	2192.004486					1	1	30.38	High	0.2	3.144808054	High	0.1497	Yes
NP_116114.1	84811	14249338	BUD13	BUD13 homolog isoform 1 [Homo sapiens]	T135; S139	2.19	0.97	HGtPDPsPR	1	2	2	0	1×TMT6plex [N-Term]; 2×Phospho [T3(100); S7(100)]	T3(Phospho): 100; S7(Phospho): 100	T(3): 100.0; S(7): 100.0	PRRVRHGtPDPSPRK;RHGTPDPsPRKDRHD	T3; S7;	High	1352.559863					1	1	30.38	High	0.9333	3.059206247	High	0.6634	Yes;Yes
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S414	0.95	1.62	sVLADQGK	1	3	2	0	2×TMT6plex [N-Term; K8]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0	DYRQFRKsVLADQGK	S1;	High	1355.733603					1	1	30.38	High	0.7333	2.625441074	High	0.346	Yes
NP_002464.1	4627	12667788	MYH9	myosin-9 [Homo sapiens]	S1943	0.94	0.58	GAGDGsDEEVDGKADGAEAKPAE	1	1	5	1	3×TMT6plex [N-Term; K13; K20]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	RKGAGDGsDEEVDGK	S6;	High	2942.387131	11.62	11.3	22.1	13.1	4	4	30.37	High	1	5.703923702	High	0.6754	Yes
NP_001026902.1	91746	72534750	YTHDC1	YTH domain-containing protein 1 isoform 1 [Homo sapiens]	S308	0.59	0.86	GIsPIVFDR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	RKRARGIsPIVFDRS	S3;	High	1312.68637					1	1	30.37	High	0.9333	2.742826462	High	0.4672	Yes
NP_003619.2	8502	53829374	PKP4	plakophilin-4 isoform a [Homo sapiens]	S281	0.65	0.54	AASPYSQRPAsPTAIR	1	4	3	0	1×TMT6plex [N-Term]; 1×Phospho [S11(100)]	S11(Phospho): 99.98	S(3): 0.0; Y(5): 0.0; S(6): 0.0; S(11): 100.0; T(13): 0.0	PYSQRPAsPTAIRRI	S11;	High	1982.005806					1	1	30.36	High	0.3	4.955726147	High	0.0242	Yes
NP_036252.1	23607	11321634	CD2AP	CD2-associated protein [Homo sapiens]	S458	0.52	0.99	sVDFDSLTVR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(6): 0.0; T(8): 0.0	QLPLRPKsVDFDSLT	S1;	High	1447.703142					1	1	30.32	High	0.3	4.159510136	High	0.4351	Yes
NP_001127853.1	9779	197304777	TBC1D5	TBC1 domain family member 5 isoform a [Homo sapiens]	S561	0.63	0.68	NISSsPSVESLPGGR	1	2	8	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S5(Phospho): 99.99	S(3): 0.0; S(4): 0.0; S(5): 100.0; S(7): 0.0; S(10): 0.0	SSKNISSsPSVESLP	S5;	High	1795.878874					1	1	30.32	High	0.0333	3.403976202	High	0.1353	No
NP_113584.3	10075	61676188	HUWE1	E3 ubiquitin-protein ligase HUWE1 [Homo sapiens]	S3662	0.76	2.54	AQCETLsPDGLPEEQPQTTK	1	1	2	0	2×TMT6plex [N-Term; K20]; 1×Carbamidomethyl [C3]; 1×Phospho [S7(100)]	S7(Phospho): 99.97	T(5): 0.0; S(7): 100.0; T(18): 0.0; T(19): 0.0	RAQCETLsPDGLPEE	S7;	High	2767.326162					1	1	30.31	High	0.3	3.593232393	High	0.1281	Yes
NP_056207.3	56654	223029449	NPDC1	neural proliferation differentiation and control protein 1 precursor [Homo sapiens]	S229	2.46	1.79	APGsPAAPR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	ATAKAPGsPAAPRIS	S4;	High	1132.57134					1	1	30.3	High	0.9667	2.786176443	High	0.6237	Yes
NP_001020262.1	23	69354671	ABCF1	ATP-binding cassette sub-family F member 1 isoform a [Homo sapiens]	T108; S109	1.13	0.84	LSVPtsDEEDEVPAPKPR	1	2	3	0	2×TMT6plex [N-Term; K16]; 2×Phospho [T5(100); S6(100)]	T5(Phospho): 100; S6(Phospho): 100	S(2): 0.0; T(5): 100.0; S(6): 100.0	LKKLSVPtSDEEDEV;KKLSVPTsDEEDEVP	T5; S6;	High	2584.234902					1	1	30.29	High	0.1	6.274763107	High	0.1786	Yes;Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S45	0.51	1.03	TAsLGGGSR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; S(8): 0.0	NGYAKTAsLGGGSRL	S3;	High	1114.545519					1	1	30.29	High	0.4	2.872761726	High	0.3031	No
NP_203744.1	85377	31324577	MICALL1	MICAL-like protein 1 [Homo sapiens]	S644	1.12	0.88	KPSPAAsPATK	1	1	2	0	3×TMT6plex [N-Term; K11; K]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(3): 0.0; S(7): 100.0; T(10): 0.0	RKPSPAAsPATKKAT	S7;	High	1822.044262					1	1	30.27	High	0.5333	4.546536922	High	0.1319	Yes
NP_056132.1	23369	13491168	PUM2	pumilio homolog 2 isoform 1 [Homo sapiens]	S136	0.9	0.97	GKAsPFEEDQNR	1	4	5	1	2×TMT6plex [N-Term; K2]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	GDQKGKAsPFEEDQN	S4;	High	1915.931527	0.48	3.66	0.6	5	2	2	30.24	High	1	3.368303537	High	0.5875	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S672	0.98	1.06	TEAQDLCRAsPEPPGPESSSR	1	1	6	1	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C7]; 1×Deamidated [Q4(100)]; 1×Phospho [S10(100)]	Q4(Deamidated): 100; S10(Phospho): 100	T(1): 0.0; S(10): 100.0; S(18): 0.0; S(19): 0.0; S(20): 0.0	AQDLCRAsPEPPGPE	S10;	High	2581.143892	8.67	5.69	17.1	12.1	4	4	30.23	High	0.6667	5.623436928	High	0.2687	Yes
NP_075392.2	65124	54607077	SOWAHC	ankyrin repeat domain-containing protein SOWAHC [Homo sapiens]	S213	1.25	0.6	DLVMGSsPQLK	1	1	3	0	2×TMT6plex [N-Term; K11]; 1×Oxidation [M4(100)]; 1×Phospho [S7(100)]	M4(Oxidation): 100; S7(Phospho): 100	S(6): 0.0; S(7): 100.0	RDLVMGSsPQLKRSV	S7;	High	1728.900745					1	1	30.22	High	0.9	3.453463554	High	0.0725	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	T4100	1.92	2.05	VDIDtPDIDIHGPEGK	1	1	2	0	2×TMT6plex [N-Term; K16]; 1×Phospho [T5(100)]	T5(Phospho): 100	T(5): 100.0	GPKVDIDtPDIDIHG	T5;	High	2259.131015					1	1	30.18	High	0.7667	5.040057659	High	0.6746	Yes
NP_000312.2	5925	108773787	RB1	retinoblastoma-associated protein [Homo sapiens]	S249	1.02	0.54	TAVIPINGsPR	1	1	2	0	1×TMT6plex [N-Term]; 1×Deamidated [N7(100)]; 1×Phospho [S9(100)]	N7(Deamidated): 100; S9(Phospho): 100	T(1): 0.0; S(9): 100.0	AVIPINGsPRTPRRG	S9;	High	1434.755512					1	1	30.18	High	1	3.686299801	High	0.7127	Yes
NP_694997.2	256364	110227615	EML3	echinoderm microtubule-associated protein-like 3 isoform 3 [Homo sapiens]	S176	1.08	0.91	KAIsSANLLVR	1	3	2	1	2×TMT6plex [N-Term; K]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(5): 0.0	KLSRKAIsSANLLVR	S4;	High	1710.007927					1	1	30.18	High	0.0667	3.121602535	High	0.0577	Yes
NP_060537.3	55700	78042577	MAP7D1	MAP7 domain-containing protein 1 isoform 1 [Homo sapiens]	S366	0.88	0.82	SAsASPLTPCSVTR	1	3	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C10]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(5): 0.0; T(8): 0.0; S(11): 0.0; T(13): 0.0	PVCPRSAsASPLTPC	S3;	High	1742.834567					1	1	30.16	High	0.2	3.508893013	High	0.1681	Yes
NP_060492.1	55092	8922277	TMEM51	transmembrane protein 51 [Homo sapiens]	S182	0.52	0.34	ADVEAsPGNPPDR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	TRADVEAsPGNPPDR	S6;	High	1633.742046					1	1	30.15	High	0.9	2.663465023	High	0.5338	Yes
NP_659492.1	147339	21450814	C18orf25	uncharacterized protein C18orf25 isoform a [Homo sapiens]	S145	0.46	9.28	SRsESETSTMAAK	1	2	6	1	2×TMT6plex [N-Term; K13]; 1×Phospho [S3(99.2)]	S3(Phospho): 99.19	S(1): 0.8; S(3): 99.2; S(5): 0.0; T(7): 0.0; S(8): 0.0; T(9): 0.0	RKSRRSRsESETSTM	S3;	High	1922.929479					1	1	30.12	High	0.6667	4.193315029	High	0.043	Yes
NP_002471.1	4659	4505317	PPP1R12A	protein phosphatase 1 regulatory subunit 12A isoform a [Homo sapiens]	S507	1.45	3.11	LAsTSDIEEK	1	4	2	0	2×TMT6plex [N-Term; K10]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(4): 0.0; S(5): 0.0	TIPRRLAsTSDIEEK	S3;	High	1630.834105					1	1	30.12	High	0.3333	3.503880978	High	0.1257	Yes
NP_620137.2	115548	226371723	FCHO2	F-BAR domain only protein 2 isoform a [Homo sapiens]	S403	1.21	0.92	NLsNEELTK	1	2	2	0	2×TMT6plex [N-Term; K9]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(8): 0.0	VQMNRNLsNEELTKS	S3;	High	1585.823875					1	1	30.11	High	0.7	3.435335159	High	0.3517	Yes
NP_001163887.1	9414	282165810	TJP2	tight junction protein ZO-2 isoform 3 [Homo sapiens]	S1009	0.45	1.03	AAsSDQLR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(99.2)]	S3(Phospho): 99.2	S(3): 99.2; S(4): 0.8	AQMRRAAsSDQLRDN	S3;	High	1156.556084					1	1	30.11	High	0.3	2.601618052	High	0.0846	No
NP_001265319.1	81539	508083059	SLC38A1	sodium-coupled neutral amino acid transporter 1 isoform 2 [Homo sapiens]	S52	1.29	1.83	sLTNSHLEK	1	2	3	0	2×TMT6plex [N-Term; K9]; 1×Phospho [S1(100)]	S1(Phospho): 99.99	S(1): 100.0; T(3): 0.0; S(5): 0.0	SDRESRRsLTNSHLE	S1;	High	1566.829294	0.77	2.32	1.4	6	2	2	30.1	High	0.4667	3.616255283	High	0.0663	Yes
NP_004563.2	5318	148664226	PKP2	plakophilin-2 isoform 2b [Homo sapiens]	S135	0.96	0.6	GTAQYSSQKsVEER	1	2	5	1	2×TMT6plex [N-Term; K9]; 1×Phospho [S10(100)]	S10(Phospho): 99.19	T(2): 0.0; Y(5): 0.0; S(6): 0.0; S(7): 0.8; S(10): 99.2	AQYSSQKsVEERSLR	S10;	High	2108.042534	10.67	3.96	14.5	3.3	2	2	30.09	High	0.4	3.958387613	High	0.0227	Yes
NP_001291744.1	23152	756140883	CIC	protein capicua homolog isoform CIC-L [Homo sapiens]	S2306; S2318	1.16	1.09	KNsTDLDSAPEDPTsPK	1	2	2	1	3×TMT6plex [N-Term; K17; K]; 2×Phospho [S3(98.4); S15(100)]	S3(Phospho): 98.39; S15(Phospho): 99.97	S(3): 98.4; T(4): 1.6; S(8): 0.0; T(14): 0.0; S(15): 100.0	YRKKRKNsTDLDSAP;SAPEDPTsPKRKMRR	S3; S15;	High	2649.266485					1	1	30.09	High	0.2333	3.102858305	High	0.0871	No;No
NP_060813.2	55781	229331967	RIOK2	serine/threonine-protein kinase RIO2 isoform 1 [Homo sapiens]	S350	0.64	2.67	AEVYGsENESER	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	Y(4): 0.0; S(6): 100.0; S(10): 0.0	EKAEVYGsENESERN	S6;	High	1678.715891					1	1	30.09	High	0.6667	2.6988132	High	0.1963	Yes
NP_001127910.1	90102	197313730	PHLDB2	pleckstrin homology-like domain family B member 2 isoform a [Homo sapiens]	S157	0.44	0.35	HKsHDNVYSLGGLEGR	1	3	3	1	2×TMT6plex [N-Term; K2]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; Y(8): 0.0; S(9): 0.0	KYSSRHKsHDNVYSL	S3;	High	2307.164715	13.3	92.74	8.3	49	2	2	30.08	High	0.7667	5.773921967	High	0.3172	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells
Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_733793.2	9462	226958575	RASAL2	ras GTPase-activating protein nGAP isoform 2 [Homo sapiens]	S982	1.27	1.13	STQsEDFSR	1	2	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; T(2): 0.0; S(4): 100.0; S(8): 0.0	FTKRSTQsEDFSRRH	S4;	High	1365.588506					1	1	30.08	High	0.6	2.900290966	High	0.131	No
NP_004299.1	392	4757766	ARHGAP1	rho GTPase-activating protein 1 [Homo sapiens]	S51	0.31	1.97	SSsPELVTHLK	1	1	11	0	2ｧTMT6plex [N-Term; K11]; 1ｧPhospho [S/T]	S3(Phospho): 99.99	S(1): 0.0; S(2): 0.0; S(3): 100.0; T(8): 0.0	SDDSKSSsPELVTHL	S3;	High	1735.939573					1	1	30.06	High	0.2667	5.117483616	High	0.0137	Yes
NP_079031.2	79811	63176611	SLTM	SAFB-like transcription modulator isoform a [Homo sapiens]	S289	1.03	2	DGQDAIAQsPEK	1	2	2	0	2ｧTMT6plex [N-Term; K12]; 1ｧPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	GQDAIAQsPEKESKD	S9;	High	1796.88318					1	1	30.04	High	0.7667	3.494936228	High	0.616	Yes
NP_009134.1	445815	6005709	PALM2-AKAP2	PALM2-AKAP2 protein isoform 1 [Homo sapiens]	S349	0.81	1.21	QAPPHIELsNSSPDPMAEAER	1	5	3	0	1ｧTMT6plex [N-Term]; 1ｧOxidation [M16(100)]; 1ｧPhospho [S9(94.3)]	S9(Phospho): 94.31; M16(Oxidation): 100	S(9): 94.3; S(11): 2.9; S(12): 2.9	APPHIELsNSSPDPM	S9;	High	2601.185363					1	1	30.04	High	0.1	2.907360315	High	0.0584	No
NP_001092287.1	125476	149408119	INO80C	INO80 complex subunit C isoform 1 [Homo sapiens]	S26	1.52	1.16	KRPAsPSHNGSSGGGYGASK	1	2	2	1	3ｧTMT6plex [N-Term; K20; K]; 1ｧDeamidated [N9(100)]; 1ｧPhospho [S5(98)]	S5(Phospho): 98.04; N9(Deamidated): 100	S(5): 98.0; S(7): 2.0; S(11): 0.0; S(12): 0.0; Y(16): 0.0; S(19): 0.0	NSKKRPAsPSHNGSS	S5;	High	2670.360404					1	1	30.02	High	0.0667	4.455143929	High	0.0269	Yes
NP_004955.2	3065	13128860	HDAC1	histone deacetylase 1 [Homo sapiens]	S393	0.22	8.06	MLPHAPGVQMQAIPEDAIPEEsGDEDEDDPDKR	1	1	3	1	2ｧTMT6plex [N-Term; K32]; 2ｧOxidation [M1(100); M10(100)]; 1ｧDeamidated [Q9(95.4)]; 1ｧPhospho [S22(100)]	M1(Oxidation): 100; Q9(Deamidated): 95.42; M10(Oxidation): 100; S22(Phospho): 100	S(22): 100.0	EDAIPEEsGDEDEDD	S22;	High	4202.882336					1	1	30.01	High	0.1	4.899613857	High	0.0143	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S402; T406	1.4	0.95	HRPsPPAtPPPK	1	3	4	0	2ｧTMT6plex [N-Term; K12]; 2ｧPhospho [S4(100); T8(100)]	S4(Phospho): 100; T8(Phospho): 100	S(4): 100.0; T(8): 100.0	PRRRHRPsPPATPPP;HRPSPPAtPPPKTRH	S4; T8;	High	1899.964756	5.55	2.83	13.5	4.7	3	3	29.99	High	1	4.392485142	High	0.5103	Yes;Yes
NP_009134.1	445815	6005709	PALM2-AKAP2	PALM2-AKAP2 protein isoform 1 [Homo sapiens]	S951	0.24		TLsMIEEEIR	1	5	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0	SRKQRTLsMIEEEIR	S3;	High	1529.748377					1		29.98	High	0.5667	2.874035835	High	0.1568	No
NP_055888.1	23094	71143119	SIPA1L3	signal-induced proliferation-associated 1-like protein 3 [Homo sapiens]	S100	2.09	0.91	EALREHSNPsPSQDTDGTK	1	1	3	1	2ｧTMT6plex [N-Term; K19]; 1ｧPhospho [S10(100)]	S10(Phospho): 99.96	S(7): 0.0; S(10): 100.0; S(12): 0.0; T(15): 0.0; T(18): 0.0	LREHSNPsPSQDTDG	S10;	High	2607.24521	5.83	2.77	17.4	3.6	2	2	29.97	High	0.1667	4.616640568	High	0.0887	Yes
NP_775266.1	2185	27886586	PTK2B	protein-tyrosine kinase 2-beta isoform a [Homo sapiens]	S375	0.33	0.51	RNsLPQIPMLNLEAR	1	2	4	1	1ｧTMT6plex [N-Term]; 1ｧOxidation [M9(100)]; 1ｧPhospho [S3(100)]	S3(Phospho): 100; M9(Oxidation): 100	S(3): 100.0	KDGEKRNsLPQIPML	S3;	High	2077.082676	27.51	71.09	12.9	55.1	2	2	29.96	High	1	4.525044918	High	0.6446	Yes
NP_001287955.1	7082	666335594	TJP1	tight junction protein ZO-1 isoform d [Homo sapiens]	S621	0.61	1.29	sREDLSAQPVQTK	1	4	2	1	2ｧTMT6plex [N-Term; K13]; 1ｧDeamidated [Q11(100)]; 1ｧPhospho [S1(100)]	S1(Phospho): 100; Q11(Deamidated): 100	S(1): 100.0; S(6): 0.0; T(12): 0.0	SKRNLRKsREDLSAQ	S1;	High	1998.030908					1	1	29.95	High	0.3667	4.372757435	High	0.0892	No
NP_114429.2	83987	199559779	CCDC8	coiled-coil domain-containing protein 8 [Homo sapiens]	S261	2.35	0.79	LGNAGDVCVPQAsPR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧCarbamidomethyl [C8]; 1ｧPhospho [S13(100)]	S13(Phospho): 100	S(13): 100.0	DVCVPQAsPRRWRPK	S13;	High	1849.882914					1	1	29.95	High	1	3.146462202	High	0.7143	Yes
NP_997263.2	388115	155029552	C15orf52	uncharacterized protein C15orf52 [Homo sapiens]	S364	0.84	1.27	ETPsEEEQAQK	1	1	2	0	2ｧTMT6plex [N-Term; K11]; 1ｧPhospho [S4(99.2)]	S4(Phospho): 99.17	T(2): 0.8; S(4): 99.2	QSTRETPsEEEQAQK	S4;	High	1813.86211					1	1	29.95	High	0.3667	2.918170691	High	0.0788	No
NP_079359.2	80153	19923613	EDC3	enhancer of mRNA-decapping protein 3 [Homo sapiens]	S131	1.19	1.21	SQDVAVsPQQQQCSK	1	1	2	0	2ｧTMT6plex [N-Term; K15]; 1ｧPhospho [S7(100)]; 1ｧCarbamidomethyl [C13]; 1ｧDeamidated [Q10(99.9)]	S7(Phospho): 100; Q10(Deamidated): 99.94	S(1): 0.0; S(7): 100.0; S(14): 0.0	KSQDVAVsPQQQQCS	S7;	High	2229.062284					1	1	29.95	High	0.2333	2.914957047	High	0.0619	Yes
NP_116254.4	84951	157738639	TNS4	tensin-4 precursor [Homo sapiens]	S197; S200	0.88	1.11	ETRSsSEsLIFSGNQGR	1	1	2	1	1ｧTMT6plex [N-Term]; 2ｧPhospho [S5(98.8); S8(100)]	S5(Phospho): 98.83; S8(Phospho): 100	T(2): 0.0; S(4): 1.1; S(5): 98.8; S(6): 0.0; S(8): 100.0; S(12): 0.0	VPRETRSsSESLIFS;ETRSSSEsLIFSGNQ	S5; S8;	High	2243.989637					1	1	29.93	High	0.0667	3.886285543	High	0.0617	No;No
NP_071918.1	64397	11968023	ZNF106	zinc finger protein 106 isoform 1 [Homo sapiens]	S861	0.91	0.6	SLsESSVIMDR	1	3	2	0	1ｧTMT6plex [N-Term]; 1ｧOxidation [M9(100)]; 1ｧPhospho [S3(100)]	S3(Phospho): 100; M9(Oxidation): 100	S(1): 0.0; S(3): 100.0; S(5): 0.0; S(6): 0.0	LARKRSLsESSVIMD	S3;	High	1548.717806					1	1	29.93	High	0.4	3.043069363	High	0.2072	Yes
NP_003253.1	7095	4507525	SEC62	translocation protein SEC62 [Homo sapiens]	T158	1.57	1.11	EETPGtPK	1	1	2	0	2ｧTMT6plex [N-Term; K8]; 1ｧPhospho [T6(100)]	T6(Phospho): 100	T(3): 0.0; T(6): 100.0	KKEETPGtPKKKETK	T6;	High	1396.712533					1	1	29.92	High	0.6	3.070328474	High	0.4528	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	S252	0.91	1.5	APsRQDVYGPQPQVR	1	15	4	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; Y(8): 0.0	MEGYRAPsRQDVYGP	S3;	High	2007.001055	5.11	5.36	8.1	14	3	3	29.9	High	1	5.137513638	High	0.3716	Yes
NP_055860.1	23063	42734325	WAPAL	wings apart-like protein homolog [Homo sapiens]	S221	0.97	1.36	RPEsPSEISPIK	1	1	2	0	2ｧTMT6plex [N-Term; K12]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(6): 0.0; S(9): 0.0	QFGKRPEsPSEISPI	S4;	High	1878.013801					1	1	29.9	High	0.4333	4.268861771	High	0.1616	Yes
NP_054706.1	7414	7669550	VCL	vinculin isoform meta-VCL [Homo sapiens]	T604	0.84	0.07	MQEAMTQEVSDVFSDTTtPIK	1	2	6	0	2ｧTMT6plex [N-Term; K21]; 2ｧOxidation [M1(100); M5(100)]; 1ｧPhospho [T18(100)]	M1(Oxidation): 100; M5(Oxidation): 100; T18(Phospho): 84.52	T(6): 0.2; S(10): 3.8; S(14): 3.8; T(16): 3.8; T(17): 3.8; T(18): 84.5	DVFSDTTtPIKLLAV	T18;	High	2928.365979					1	1	29.9	High	0.3	3.164749861	High	0.0918	Yes
NP_001744.2	857	15451856	CAV1	caveolin-1 isoform alpha [Homo sapiens]	Y14	0.85	1	YVDSEGHLyTVPIR	1	1	3	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [Y9(100)]	Y9(Phospho): 99.99	Y(1): 0.0; S(4): 0.0; Y(9): 100.0; T(10): 0.0	VDSEGHLyTVPIREQ	Y9;	High	1957.96221					1	1	29.89	High	0.2333	4.367863178	High	0.0481	Yes
NP_777576.1	197131	28372497	UBR1	E3 ubiquitin-protein ligase UBR1 [Homo sapiens]	T21	1.02		MEISAELPQtPQR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [T10(100)]; 1ｧOxidation [M1(100)]	M1(Oxidation): 100; T10(Phospho): 100	S(4): 0.0; T(10): 100.0	ISAELPQtPQRLASW	T10;	High	1824.876432					1		29.86	High	0.8	3.654888391	High	0.5233	Yes
NP_001032827.1	4869	83641870	NPM1	nucleophosmin isoform 3 [Homo sapiens]	S254	2.04	0.52	MQAsIEKAH	1	1	2	1	2ｧTMT6plex [N-Term; K7]; 1ｧOxidation [M1(100)]; 1ｧPhospho [S4(100)]	M1(Oxidation): 100; S4(Phospho): 100	S(4): 100.0	IKAKMQAsIEKAH_	S4;	High	1568.790801					1	1	29.86	High	1	3.030678988	High	0.6205	Yes
NP_689876.2	55103	32441283	RALGPS2	ras-specific guanine nucleotide-releasing factor RalGPS2 isoform 1 [Homo sapiens]	T361	1.51	1.01	SAtFPNAGPR	1	2	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [T3(100)]	T3(Phospho): 100	S(1): 0.0; T(3): 100.0	TAEFKSAtFPNAGPR	T3;	High	1326.640482					1	1	29.85	High	0.3667	3.591032028	High	0.1699	Yes
NP_060939.3	55852	38679909	TEX2	testis-expressed sequence 2 protein isoform 1 [Homo sapiens]	S265	1.02	0.46	TAPsSPLTSPSDTR	1	2	5	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S4(98.6)]	S4(Phospho): 98.6	T(1): 0.0; S(4): 98.6; S(5): 1.4; T(8): 0.0; S(9): 0.0; S(11): 0.0; T(13): 0.0	GDSKTAPsSPLTSPS	S4;	High	1725.825776					1	1	29.85	High	0.1	2.957205296	High	0.0236	Yes
NP_005554.1	3925	5031851	STMN1	stathmin isoform a [Homo sapiens]	S38	0.9	0.95	SKESVPEFPLsPPK	1	2	2	1	3ｧTMT6plex [N-Term; K2; K14]; 1ｧPhospho [S11(100)]	S11(Phospho): 100	S(1): 0.0; S(4): 0.0; S(11): 100.0	SVPEFPLsPPKKKDL	S11;	High	2309.276112					1	1	29.84	High	0.9	3.753730297	High	0.6773	Yes
XP_005276554.1	101930123	530437751	LOC101930123	eukaryotic elongation factor 2 kinase [Homo sapiens]	S71	1.03	0.86	YSsSGSPANSFHFK	1	1	4	0	2ｧTMT6plex [N-Term; K14]; 2ｧPhospho [S3(98.2); S/Y]	S3(Phospho): 98.2; S4(Phospho): 50.3; S6(Phospho): 50.3	Y(1): 0.0; S(2): 1.2; S(3): 98.2; S(4): 50.3; S(6): 50.3; S(10): 0.0	TKSERYSsSGSPANS	S3;	High	2133.944809					1	1	29.83	High	0.1333	5.527387619	High	0.0542	No
NP_001166184.1	2803	289577134	GOLGA4	Golgin subfamily A member 4 isoform 1 [Homo sapiens]	S288	1.31	1.64	EENPEsDGEPVVEDGTSVK	1	2	2	0	2ｧTMT6plex [N-Term; K19]; 1ｧPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; T(16): 0.0; S(17): 0.0	TKEENPEsDGEPVVE	S6;	High	2555.180209					1	1	29.83	High	0.9	3.902783871	High	0.5231	No
NP_003267.1	7112	4507555	TMPO	thymopoietin isoform alpha [Homo sapiens]	S351	0.86	0.81	SHISDQsPLSSK	1	1	2	0	2ｧTMT6plex [N-Term; K12]; 1ｧPhospho [S7(100)]	S7(Phospho): 100	S(1): 0.0; S(4): 0.0; S(7): 100.0; S(10): 0.0; S(11): 0.0	RSHISDQsPLSSKRK	S7;	High	1823.930465					1	1	29.83	High	0.3333	3.640213728	High	0.2775	Yes
NP_056145.4	23384	513788261	SPECC1L	cytospin-A isoform 1 [Homo sapiens]	S384	1.38	1.49	KGsSGNASEVSVACLTER	1	2	2	1	2ｧTMT6plex [N-Term; K]; 1ｧCarbamidomethyl [C14]; 1ｧPhospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; S(4): 0.0; S(8): 0.0; S(11): 0.0; T(16): 0.0	IERSRKGsSGNASEV	S3;	High	2390.17871					1	1	29.81	High	0.2333	5.351105213	High	0.071	Yes
NP_443137.2	114793	52485606	FMNL2	formin-like protein 2 [Homo sapiens]	S171	0.61	0.55	sIEDLHR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0	KSKPWSRsIEDLHRG	S1;	High	1178.576819					1	1	29.8	High	0.7333	3.157165766	High	0.3924	Yes
NP_002008.2	2313	7110593	FLI1	Friend leukemia integration 1 transcription factor isoform 1 [Homo sapiens]	S39	0.77	1.12	ADMTASGsPDYGQPHK	1	1	2	0	2ｧTMT6plex [N-Term; K16]; 1ｧPhospho [S8(100)]	S8(Phospho): 99.98	T(4): 0.0; S(6): 0.0; S(8): 100.0; Y(11): 0.0	ADMTASGsPDYGQPH	S8;	High	2200.014605					1	1	29.8	High	0.4	2.959433556	High	0.0743	Yes
NP_005912.1	4214	153945765	MAP3K1	mitogen-activated protein kinase kinase kinase 1 [Homo sapiens]	S923	0.86	0.8	LSAsSEDISER	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S4(99.1)]	S4(Phospho): 99.1	S(2): 0.9; S(4): 99.1; S(5): 0.0; S(9): 0.0	CATKLSAsSEDISER	S4;	High	1502.693699					1	1	29.79	High	0.3	3.526121855	High	0.085	Yes
NP_001026855.2	7159	112799849	TP53BP2	apoptosis-stimulating of p53 protein 2 isoform 1 [Homo sapiens]	S486	0.96	0.74	NQsSEDILR	1	2	3	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(4): 0.0	GTLRKNQsSEDILRD	S3;	High	1370.651441					1	1	29.79	High	0.7	3.165784597	High	0.123	No
NP_001124330.1	9677	195947359	PPIP5K1	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 1 isoform 5 [Homo sapiens]	S1152	1.07	0.63	TLHsPPLQLQQR	1	3	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	T(1): 0.0; S(4): 100.0	SPPRTLHsPPLQLQQ	S4;	High	1726.920286	11.53	6.73	17.5	6	2	2	29.78	High	0.4667	3.896228313	High	0.1564	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S2132	1.01	0.62	CRsPGMLEPLGSSR	1	1	4	1	1ｧTMT6plex [N-Term]; 1ｧCarbamidomethyl [C1]; 1ｧOxidation [M6(100)]; 1ｧPhospho [S3(100)]	S3(Phospho): 100; M6(Oxidation): 100	S(3): 100.0; S(12): 0.0; S(13): 0.0	TPLDRCRsPGMLEPL	S3;	High	1871.870635	11.84	40.23	17.1	36.7	2	2	29.76	High	1	4.285174847	High	0.4942	Yes
NP_001129507.1	55621	209862871	TRMT1	tRNA (guanine(26)-N(2))-dimethyltransferase isoform 1 [Homo sapiens]	S625	1.09	1.44	GDQCCYSHsPPTPR	1	2	2	0	1ｧTMT6plex [N-Term]; 2ｧCarbamidomethyl [C4; C5]; 1ｧPhospho [S9(100)]	S9(Phospho): 100	Y(6): 0.0; S(7): 0.0; S(9): 100.0; T(12): 0.0	DQCCYSHsPPTPRVS	S9;	High	1970.808763					1	1	29.75	High	0.3333	4.09724617	High	0.0902	Yes
NP_001171669.1	2017	296080746	CTTN	src substrate cortactin isoform c [Homo sapiens]	T364; S368	3.12	0.85	TQtPPVsPAPQPTEER	1	3	3	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [Q11(100)]; 2ｧPhospho [T3(100); S7(100)]	T3(Phospho): 100; S7(Phospho): 100; Q11(Deamidated): 100	T(1): 0.0; T(3): 100.0; S(7): 100.0; T(13): 0.0	QARAKTQtPPVSPAP;KTQTPPVsPAPQPTE	T3; S7;	High	2124.945313					1	1	29.75	High	0.1667	3.918947935	High	0.2143	Yes;Yes
NP_004452.1	2193	4758340	FARSA	phenylalanine--tRNA ligase alpha subunit [Homo sapiens]	S301	1.41	1.18	THsQGGYGSQGYK	1	1	4	0	2ｧTMT6plex [N-Term; K13]; 1ｧPhospho [S3(99.2)]	S3(Phospho): 99.21	T(1): 0.8; S(3): 99.2; Y(7): 0.0; S(9): 0.0; Y(12): 0.0	QRVKRTHsQGGYGSQ	S3;	High	1907.905313					1	1	29.74	High	0.6667	4.248930931	High	0.0471	Yes
NP_003816.2	8773	18765729	SNAP23	synaptosomal-associated protein 23 isoform SNAP23A [Homo sapiens]	S20	1.58	1.17	AHQITDEsLESTRR	1	2	2	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S8(100)]	S8(Phospho): 100	T(5): 0.0; S(8): 100.0; S(11): 0.0; T(12): 0.0	AHQITDEsLESTRRI	S8;	High	1951.9436					1	1	29.66	High	0.4333	4.628041744	High	0.1188	Yes
NP_874365.3	23513	355390313	SCRIB	protein scribble homolog isoform a [Homo sapiens]	S1279	0.96	1.34	ALAAVPSAGsVQR	1	2	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S10(99)]	S10(Phospho): 99.02	S(7): 1.0; S(10): 99.0	AAVPSAGsVQRVPSG	S10;	High	1535.814424					1	1	29.64	High	0.0333	2.83369875	High	0.4452	Yes
NP_001287758.1	1153	664806037	CIRBP	cold-inducible RNA-binding protein isoform 3 [Homo sapiens]	S148	0.95	0.88	SQsGGYSDR	1	3	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; Y(6): 0.0; S(7): 0.0	YYSSRSQsGGYSDRS	S3;	High	1265.536077					1	1	29.63	High	0.5667	3.137196064	High	0.1688	Yes
NP_004144.2	4998	31795544	ORC1	origin recognition complex subunit 1 isoform 1 [Homo sapiens]	T375	1.03	3.26	AQNEATStPHR	1	2	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [T8(98.8)]	T8(Phospho): 98.85	T(6): 0.0; S(7): 1.1; T(8): 98.9	AQNEATStPHRIRRK	T8;	High	1520.705601					1	1	29.61	High	0.9333	3.299076557	High	0.0545	Yes
NP_057671.2	11335	20544151	CBX3	chromobox protein homolog 3 [Homo sapiens]	S95	1.78	1.03	KSLsDSESDDSK	1	1	5	1	3ｧTMT6plex [N-Term; K12; K]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(2): 0.0; S(4): 100.0; S(6): 0.0; S(8): 0.0; S(11): 0.0	GTKRKSLsDSESDDS	S4;	High	2065.030522	1.14	6.33	3.5	11.3	3	3	29.6	High	0.3	3.699822187	High	0.1243	Yes
NP_005392.2	5784	34328899	PTPN14	tyrosine-protein phosphatase non-receptor type 14 [Homo sapiens]	S642	0.59	1.57	RHsLEVMNSMVR	1	1	2	1	1ｧTMT6plex [N-Term]; 1ｧOxidation [M7(98.4)]; 1ｧPhospho [S3(100)]	S3(Phospho): 100; M7(Oxidation): 98.42	S(3): 100.0; S(9): 0.0	GTVNKRHsLEVMNSM	S3;	High	1783.854591					1	1	29.58	High	0.2	3.818030119	High	0.0838	Yes
NP_037373.2	29109	118572599	FHOD1	FH1/FH2 domain-containing protein 1 [Homo sapiens]	S367	0.35	1.06	sLEGGGCPAR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧCarbamidomethyl [C7]; 1ｧPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0	EGKRSRRsLEGGGCP	S1;	High	1312.591818					1	1	29.57	High	1	2.710377693	High	0.4945	Yes
NP_612480.1	144097	39930523	C11orf84	uncharacterized protein C11orf84 [Homo sapiens]	S308	1.39	2.17	AEsPSPAPPPGLR	1	1	3	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0	GGLPRAEsPSPAPPP	S3;	High	1584.798439					1	1	29.56	High	0.4	2.686427832	High	0.1784	Yes
NP_060855.2	55341	223029424	LSG1	large subunit GTPase 1 homolog [Homo sapiens]	S11	1.64	1.59	RAPAGGsLGR	1	1	2	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	RRAPAGGsLGRALMR	S7;	High	1250.656801					1	1	29.55	High	0.8333	3.591609955	High	0.4708	Yes
NP_150241.2	5371	67089149	PML	protein PML isoform 1 [Homo sapiens]	S36	0.47	2.04	QPsPSPSPTER	1	9	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S5(100)]	S3(Phospho): 98.89	S(3): 98.9; S(5): 1.1; S(7): 0.0; T(9): 0.0	PSEGRQPsPSPSPTE	S3;	High	1491.704204	3.4	6.86	2.3	20	2	2	29.55	High	0.0333	2.670796633	High	0.1086	Yes
NP_065882.1	57591	14269566	MKL1	MKL/myocardin-like protein 1 isoform 1 [Homo sapiens]	T450; S454	1.71	1.06	FGSTGStPPVsPTPSER	1	3	4	0	1ｧTMT6plex [N-Term]; 2ｧPhospho [S11(95.6); S/T]	T7(Phospho): 97.72; S11(Phospho): 97.66	S(3): 0.0; T(4): 0.0; S(6): 2.3; T(7): 97.7; S(11): 97.7; T(13): 2.3; S(15): 0.1	KFGSTGStPPVSPTP;TGSTPPVsPTPSERS	T7; S11;	High	2092.919098	16.97	29.11	42.7	45.9	2	2	29.54	High	0.3333	3.714636087	High	0.0674	Yes;Yes
NP_689876.2	55103	32441283	RALGPS2	ras-specific guanine nucleotide-releasing factor RalGPS2 isoform 1 [Homo sapiens]	S308	1.09	1.94	EDLVGPEVGAsPQSGRK	1	2	2	1	2ｧTMT6plex [N-Term; K17]; 1ｧPhospho [S11(100)]	S11(Phospho): 99.99	S(11): 100.0; S(14): 0.0	VGPEVGAsPQSGRKS	S11;	High	2264.168797					1	1	29.54	High	0.4333	3.496572495	High	0.1371	Yes
NP_077007.1	79084	13129110	WDR77	methylosome protein 50 [Homo sapiens]	T5	1.71	1.21	KEtPPPLVPPAAR	1	1	3	1	2ｧTMT6plex [N-Term; K]; 1ｧPhospho [T3(100)]	T3(Phospho): 100	T(3): 100.0	_MRKEtPPPLVPP	T3;	High	1911.086906	2.51	16.32	6.1	28.5	2	2	29.53	High	0.9	5.1881423	High	0.6898	Yes
NP_203746.1	89849	55743108	ATG16L2	autophagy-related protein 16-2 [Homo sapiens]	S304	1.39	1.26	GHsIGGAPEQR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	FKKRRGHsIGGAPEQ	S3;	High	1417.678658					1	1	29.52	High	1	3.165800333	High	0.6972	Yes
NP_056464.1	26145	24308115	IRF2BP1	interferon regulatory factor 2-binding protein 1 [Homo sapiens]	S384	1.57	2.43	KAsPEPEGEAAGK	1	1	2	1	3ｧTMT6plex [N-Term; K13; K]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	TPRRRKAsPEPEGEA	S3;	High	2038.082498					1	1	29.51	High	1	3.503218412	High	0.7114	Yes
NP_001275891.1	9322	572874682	TRIP10	cdc42-interacting protein 4 isoform 1 [Homo sapiens]	S482	1.78	1.22	VLSNRGDsLSR	1	3	3	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S8(100)]	S8(Phospho): 100	S(3): 0.0; S(8): 100.0; S(10): 0.0	VLSNRGDsLSRHARP	S8;	High	1512.773287	2.97	5.43	7.5	9.4	2	2	29.51	High	0.4	3.35958457	High	0.1161	Yes
NP_057737.2	51776	82880648	ZAK	mitogen-activated protein kinase kinase kinase MLT isoform 1 [Homo sapiens]	S637	1.08	1.36	SSsPTQYGLTK	1	1	2	0	2ｧTMT6plex [N-Term; K11]; 1ｧDeamidated [Q6(100)]; 1ｧPhospho [S3(100)]	S3(Phospho): 99.99; Q6(Deamidated): 100	S(1): 0.0; S(2): 0.0; S(3): 100.0; T(5): 0.0; Y(7): 0.0; T(10): 0.0	VNQSRSSsPTQYGLT	S3;	High	1707.860654					1	1	29.51	High	0.1667	2.632550955	High	0.0951	Yes
NP_001005731.1	3691	54607033	ITGB4	integrin beta-4 isoform 3 precursor [Homo sapiens]	T1417	0.93	0.96	VLSTSStLTR	1	3	7	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [T7(100)]	T7(Phospho): 100	S(3): 0.0; T(4): 0.0; S(5): 0.0; S(6): 0.0; T(7): 100.0; T(9): 0.0	RVLSTSStLTRDYNS	T7;	High	1373.723877	113.29	114.61	285.1	324.8	2	2	29.5	High	0.3667	3.210112333	High	0.0125	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S954	0.8	0.86	SRSVsPCSNVESR	1	1	3	1	1ｧTMT6plex [N-Term]; 1ｧCarbamidomethyl [C7]; 2ｧPhospho [S5(100); S]	S1(Phospho): 50; S3(Phospho): 50; S5(Phospho): 100	S(1): 50.0; S(3): 50.0; S(5): 100.0; S(8): 0.0; S(12): 0.0	PRRSRSVsPCSNVES	S5;	High	1853.781559					1	1	29.49	High	0.4483	3.936499357	High	0.264	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_003122.1	6722	4507205	SRF	serum response factor isoform 1 [Homo sapiens]	S224	0.81	1.2	ALIQTCLNSPDsPPRSDPTTDQR	1	2	3	1	1ｧTMT6plex [N-Term]; 1ｧCarbamidomethyl [C6]; 1ｧPhospho [S12(100)]	S12(Phospho): 100	T(5): 0.0; S(9): 0.0; S(12): 100.0; S(16): 0.0; T(19): 0.0; T(20): 0.0	TCLNSPDsPPRSDPT	S12;	High	2878.360367	35.24	11.65	41.8	20	2	2	29.48	High	0.2069	5.834513664	High	0.1218	Yes
NP_005553.2	3918	157419138	LAMC2	laminin subunit gamma-2 isoform a precursor [Homo sapiens]	S686	0.58	0.62	VRsQENSYQSR	1	2	5	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(7): 0.0; Y(8): 0.0; S(10): 0.0	LQLAKVRsQENSYQS	S3;	High	1662.779829	12.07	3.54	12.1	3.8	3	3	29.48	High	1	4.394931793	High	0.3121	No
NP_116294.1	84991	14249678	RBM17	splicing factor 45 [Homo sapiens]	S155	1.18	1.18	RPDPDsDEDEDYERER	1	1	7	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; Y(12): 0.0	ARRPDPDsDEDEDYE	S6;	High	2331.956408	4.73	4.32	9.7	8.8	3	3	29.44	High	1	4.67222023	High	0.2206	Yes
NP_068590.1	60485	11141889	SAV1	protein salvador homolog 1 [Homo sapiens]	S94	1.42	1.28	ESNRLsAPSYLAR	1	1	3	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S6(100)]	S6(Phospho): 99.98	S(2): 0.0; S(6): 100.0; S(9): 0.0; Y(10): 0.0	RRESNRLsAPSYLAR	S6;	High	1772.889379	22.13	30.88	46.6	60.3	2	2	29.43	High	0.069	3.96595645	High	0.1537	Yes
NP_112199.2	81669	88758580	CCNL2	cyclin-L2 isoform A [Homo sapiens]	S369	1.21	0.6	AKADsPVNGLPK	1	1	4	1	3ｧTMT6plex [N-Term; K2; K12]; 1ｧDeamidated [N8(100)]; 1ｧPhospho [S5(100)]	S5(Phospho): 100; N8(Deamidated): 100	S(5): 100.0	AKKAKADsPVNGLPK	S5;	High	1965.102506	6.74	20.06	11.6	17.2	2	2	29.43	High	0.9655	3.907190561	High	0.6675	Yes
NP_005094.1	9638	4826724	FEZ1	fasciculation and elongation protein zeta-1 isoform 1 [Homo sapiens]	S298	2.3	2.21	GLsLQSSR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [Q5(100)]; 1ｧPhospho [S3(100)]	S3(Phospho): 100; Q5(Deamidated): 100	S(3): 100.0; S(6): 0.0; S(7): 0.0	RRKEKGLsLQSSRIE	S3;	High	1157.576485					1	1	29.43	High	0.4138	2.628551722	High	0.3612	Yes
NP_658988.2	140775	146260268	SMCR8	Smith-Magenis syndrome chromosomal region candidate gene 8 protein [Homo sapiens]	S498	1.82	1.67	SDSQASLTVPLsPQVVR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [Q14(100)]; 1ｧPhospho [S12(100)]	S12(Phospho): 100; Q14(Deamidated): 100	S(1): 0.0; S(3): 0.0; S(6): 0.0; T(8): 0.0; S(12): 100.0	ASLTVPLsPQVVRSK	S12;	High	2094.068132					1	1	29.42	High	0.5172	3.834443092	High	0.2454	Yes
NP_542194.2	140710	257467639	SOGA1	protein SOGA1 isoform 1 [Homo sapiens]	S175	0.98	0.94	TGQPAQPAPSAQQPPRPPAsPDEPSVAASSVGSSR	1	1	3	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S20(96.7)]	S20(Phospho): 96.66	T(1): 0.0; S(10): 3.3; S(20): 96.7; S(25): 0.0; S(29): 0.0; S(30): 0.0; S(33): 0.0; S(34): 0.0	QPPRPPAsPDEPSVA	S20;	High	3718.802361	1.99	102.46	2.8	233.6	2	2	29.39	High	0.1034	6.018634796	High	0.113	Yes
NP_004283.2	9610	68989256	RIN1	ras and Rab interactor 1 [Homo sapiens]	S333	0.65	0.71	GsPATSPHLGR	1	1	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; T(5): 0.0; S(6): 0.0	GVPGSRGsPATSPHL	S2;	High	1388.688495	6.48	24.88	7.3	31.5	3	3	29.39	High	0.5517	3.634986401	High	0.1791	Yes
NP_001387.2	1859	18765758	DYRK1A	dual specificity tyrosine-phosphorylation-regulated kinase 1A isoform 1 [Homo sapiens]	Y321	1	0.85	IYQyIQSR	1	7	2	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [Q6(100)]; 1ｧPhospho [Y4(100)]	Y4(Phospho): 100; Q6(Deamidated): 100	Y(2): 0.0; Y(4): 100.0; S(7): 0.0	LGQRIYQyIQSRFYR	Y4;	High	1380.676199					1	1	29.39	High	0.3793	2.827532291	High	0.1943	Yes
NP_036377.1	22938	6912676	SNW1	SNW domain-containing protein 1 [Homo sapiens]	S224; S232	1.1	0.73	GPPsPPAPVMHsPSR	1	1	3	0	1ｧTMT6plex [N-Term]; 1ｧOxidation [M10(100)]; 2ｧPhospho [S4(100); S12(98.1)]	S4(Phospho): 100; M10(Oxidation): 100; S12(Phospho): 99.94	S(4): 100.0; S(12): 99.9; S(14): 0.1	KIPRGPPsPPAPVMH;PPAPVMHsPSRKMTV	S4; S12;	High	1918.848517	13.5	9.75	21.2	10.1	2	2	29.38	High	0.1724	5.061234474	High	0.6344	Yes;Yes
NP_005392.2	5784	34328899	PTPN14	tyrosine-protein phosphatase non-receptor type 14 [Homo sapiens]	S593	0.66	0.87	YVSGsSPDLVTR	1	1	7	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S5(100)]	S5(Phospho): 100	Y(1): 0.0; S(3): 0.0; S(5): 100.0; S(6): 0.0; T(11): 0.0	RHKYVSGsSPDLVTR	S5;	High	1589.777369	20.21	5.01	19	6.2	2	2	29.38	High	0.1034	3.878228188	High	0.0541	Yes
NP_056140.1	23379	149363685	ICE1	little elongation complex subunit 1 [Homo sapiens]	S1692	0.46	0.23	RAsPPDPSPSPSAASASER	1	1	3	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(8): 0.0; S(10): 0.0; S(12): 0.0; S(15): 0.0; S(17): 0.0	PEDPRRAsPPDPSPS	S3;	High	2176.023306					1	1	29.37	High	0.6897	4.443977356	High	0.3581	Yes
NP_006138.1	3664	5453700	IRF6	interferon regulatory factor 6 isoform 1 [Homo sapiens]	S47	0.41	0.17	HATRHsPQQEEENTIFK	1	1	2	1	2ｧTMT6plex [N-Term; K17]; 1ｧPhospho [S6(100)]	S6(Phospho): 99.99	T(3): 0.0; S(6): 100.0; T(14): 0.0	WKHATRHsPQQEEEN	S6;	High	2590.281536					1	1	29.35	High	0.3448	6.762192249	High	0.0814	No
NP_060497.3	55691	116063562	FRMD4A	FERM domain-containing protein 4A [Homo sapiens]	S711	0.71	0.7	SSsLESQGK	1	1	2	0	2ｧTMT6plex [N-Term; K9]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(2): 0.0; S(3): 100.0; S(6): 0.0	HFRHRSSsLESQGKL	S3;	High	1460.739811					1	1	29.32	High	0.2759	2.663008213	High	0.1353	Yes
NP_057584.2	51260	32306539	PBDC1	protein PBDC1 isoform 1 [Homo sapiens]	S181	0.94	2.72	RADsGEEENTK	1	1	3	1	2ｧTMT6plex [N-Term; K11]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(10): 0.0	GGEKRADsGEEENTK	S4;	High	1773.842044					1	1	29.31	High	0.931	4.327970505	High	0.3672	Yes
NP_055871.1	23076	57863269	RRP1B	ribosomal RNA processing protein 1 homolog B [Homo sapiens]	S513	0.99	1.67	GsPTGGAQLLK	1	1	3	0	2ｧTMT6plex [N-Term; K11]; 1ｧPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; T(4): 0.0	HPQGPRGsPTGGAQL	S2;	High	1566.86568	1.23	3.17	1.7	7.5	2	2	29.31	High	0.3103	3.213447094	High	0.2461	Yes
NP_001138230.1	23187	221219024	PHLDB1	pleckstrin homology-like domain family B member 1 isoform a [Homo sapiens]	S470	1.93	2.54	RALsPLPTR	1	2	2	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(8): 0.0	SLSRRALsPLPTRTT	S4;	High	1319.739802					1	1	29.3	High	0.8966	3.595498323	High	0.4111	Yes
NP_004676.3	9107	134142348	MTMR6	myotubularin-related protein 6 [Homo sapiens]	S561	0.35	0.09	ELLHSVHPEsPNLK	1	1	4	0	2ｧTMT6plex [N-Term; K14]; 1ｧPhospho [S10(100)]	S10(Phospho): 100	S(5): 0.0; S(10): 100.0	LHSVHPEsPNLKTSL	S10;	High	2138.141126	105.46	842.22	56.6	145.6	2	2	29.29	High	0.5517	6.388271809	High	0.241	Yes
NP_001099008.1	10514	157694494	MYBBP1A	myb-binding protein 1A isoform 1 [Homo sapiens]	S1159; S1163	1.01	0.96	EIPsATQsPISK	1	2	2	0	2ｧTMT6plex [N-Term; K12]; 2ｧPhospho [S4(100); S8(100)]	S4(Phospho): 100; S8(Phospho): 100	S(4): 100.0; T(6): 0.0; S(8): 100.0; S(11): 0.0	KDAKEIPsATQSPIS;EIPSATQsPISKKRK	S4; S8;	High	1875.927033					1	1	29.29	High	0.3103	3.295632362	High	0.4212	Yes;Yes
NP_006759.3	8315	188497705	BRAP	BRCA1-associated protein [Homo sapiens]	S97	1.27	1.31	KSSEAsPTAQR	1	1	2	1	2ｧTMT6plex [N-Term; K]; 1ｧDeamidated [Q10(100)]; 1ｧPhospho [S6(100)]	S6(Phospho): 99.96; Q10(Deamidated): 100	S(2): 0.0; S(3): 0.0; S(6): 100.0; T(8): 0.0	ERKSSEAsPTAQRSK	S6;	High	1700.862051					1	1	29.29	High	0.1034	2.958440065	High	0.0912	Yes
NP_003852.1	8816	55741849	DCAF5	DDB1- and CUL4-associated factor 5 isoform 1 [Homo sapiens]	S648	1.33	1.85	STSTLEIQPSRAsPTSDIESVER	1	3	2	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S13(100)]	S13(Phospho): 100	S(1): 0.0; T(2): 0.0; S(3): 0.0; T(4): 0.0; S(10): 0.0; S(13): 100.0; T(15): 0.0; S(16): 0.0; S(20): 0.0	EIQPSRAsPTSDIES	S13;	High	2799.361078					1	1	29.28	High	0.069	4.233152866	High	0.0544	Yes
NP_036367.2	22937	66932902	SCAP	sterol regulatory element-binding protein cleavage-activating protein [Homo sapiens]	S851	0.65	0.83	AGPEEPGDsPPLR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	GPEEPGDsPPLRHRP	S9;	High	1630.767533					1	1	29.25	High	1	3.52828455	High	0.6856	Yes
NP_056018.2	23248	183396804	RPRD2	regulation of nuclear pre-mRNA domain-containing protein 2 isoform 1 [Homo sapiens]	T664	1.18	0.66	LESEStSPSLEMK	1	3	3	0	2ｧTMT6plex [N-Term; K13]; 1ｧOxidation [M12(100)]; 1ｧPhospho [T6(96.9)]	T6(Phospho): 96.92; M12(Oxidation): 100	S(3): 0.0; S(5): 1.5; T(6): 96.9; S(7): 1.5; S(9): 0.0	PKLESEStSPSLEMK	T6;	High	1991.964861					1	1	29.25	High	0.1379	3.464760065	High	0.078	Yes
NP_031385.2	22794	15721939	CASC3	protein CASC3 [Homo sapiens]	S148	1.61	1.44	STVTGERQsGDGQESTEPVENK	1	1	4	1	2ｧTMT6plex [N-Term; K22]; 1ｧDeamidated [N21(100)]; 1ｧPhospho [S9(100)]	S9(Phospho): 100; Q13(Deamidated): 98.58	S(1): 0.0; T(2): 0.0; T(4): 0.0; S(9): 100.0; S(15): 0.0; T(16): 0.0	TVTGERQsGDGQEST	S9;	High	2874.340626	2.23	26.11	5.1	57.2	2	2	29.23	High	0.1724	3.961293936	High	0.1061	Yes
NP_116265.1	84962	14249622	AJUBA	LIM domain-containing protein ajuba isoform 1 [Homo sapiens]	S133	2.07	1.57	SSFASSSASDAsKPSSPR	1	2	3	0	2ｧTMT6plex [N-Term; K13]; 2ｧPhospho [S12(100); S]	S12(Phospho): 99.98; S15(Phospho): 50.01; S16(Phospho): 50.01	S(1): 0.0; S(2): 0.0; S(5): 0.0; S(6): 0.0; S(7): 0.0; S(9): 0.0; S(12): 100.0; S(15): 50.0; S(16): 50.0	SSSASDAsKPSSPRG	S12;	High	2374.072922					1	1	29.18	High	0.5517	4.303123474	High	0.1349	Yes
NP_060072.1	55593	33457350	OTUD5	OTU domain-containing protein 5 isoform a [Homo sapiens]	S165	1.21	6.96	QAPGVGAVGGGsPEREEVGAGYNSEDEYEAAAAR	1	2	2	1	1ｧTMT6plex [N-Term]; 2ｧPhospho [S12(100); Y/S]	S12(Phospho): 100; Y22(Phospho): 49.98; S24(Phospho): 49.98	S(12): 100.0; Y(22): 50.0; S(24): 50.0; Y(28): 0.0	VGAVGGGsPEREEVG	S12;	High	3739.611188					1	1	29.17	High	0.069	3.524277449	High	0.1278	Yes
NP_004806.3	9411	134304853	ARHGAP29	rho GTPase-activating protein 29 [Homo sapiens]	S1019	0.99	0.95	IRPVsLPVDR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	RTKIRPVsLPVDRLL	S5;	High	1460.818781					1	1	29.16	High	1	3.532559872	High	0.711	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1064	0.61	1.59	GQSQTsPDHR	1	1	10	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [Q2(100)]; 1ｧPhospho [T/S]	Q2(Deamidated): 99.99; S6(Phospho): 99.99	S(3): 0.0; T(5): 0.0; S(6): 100.0	LKGQSQTsPDHRSDT	S6;	High	1422.621204					1	1	29.16	High	0.069	3.489287138	High	0.0802	Yes
NP_009217.3	11346	40353727	SYNPO	synaptopodin isoform A [Homo sapiens]	S589	0.5	0.36	AAsPAKPSSLDLVPNLPK	1	3	3	0	3ｧTMT6plex [N-Term; K6; K18]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(8): 0.0; S(9): 0.0	KVSPRAAsPAKPSSL	S3;	High	2572.471852	54.71	69.18	40.4	36.1	2	2	29.15	High	0.3103	5.402641296	High	0.1556	No
NP_001128573.1	79174	205360956	CRELD2	cysteine-rich with EGF-like domain protein 2 isoform a precursor [Homo sapiens]	S70	1.3	1	TLSKYEsSEIR	1	4	3	1	2ｧTMT6plex [N-Term; K4]; 1ｧPhospho [S7(100)]	S7(Phospho): 100	T(1): 0.0; S(3): 0.0; Y(5): 0.0; S(7): 100.0; S(8): 0.0	KTLSKYEsSEIRLLE	S7;	High	1850.966516	0.51	1.5	0.9	2.1	2	2	29.14	High	0.3448	3.110665083	High	0.1093	Yes
NP_001935.2	1830	119964718	DSG3	desmoglein-3 preproprotein [Homo sapiens]	S985	0.34	0.48	GsHTMLCTEDPCSR	1	1	3	0	1ｧTMT6plex [N-Term]; 2ｧCarbamidomethyl [C7; C12]; 1ｧOxidation [M5(100)]; 1ｧPhospho [S2(99.9)]	S2(Phospho): 99.94; M5(Oxidation): 100	S(2): 99.9; T(4): 0.1; T(8): 0.0; S(13): 0.0	GPTQLRGsHTMLCTE	S2;	High	1975.791064					1	1	29.11	High	1	3.955782652	High	0.0707	No
NP_653317.2	151903	238231397	CCDC12	coiled-coil domain-containing protein 12 1 [Homo sapiens]	S178	1.03	0.83	GQEDSLASAVDAATEQKTCDsD	1	2	4	1	2ｧTMT6plex [N-Term; K17]; 1ｧCarbamidomethyl [C19]; 1ｧPhospho [S21(98.3)]	S21(Phospho): 98.29	S(5): 0.0; S(8): 0.0; T(14): 0.0; T(18): 1.7; S(21): 98.3	TEQKTCDsD_	S21;	High	2836.259599					1	1	29.1	High	0.6207	4.478420734	High	0.0871	No
NP_057722.3	51329	507834124	ARL6IP4	ADP-ribosylation factor-like protein 6-interacting protein 4 isoform 2 [Homo sapiens]	S225	0.95	1.18	NCSASTsQER	1	3	2	0	1ｧTMT6plex [N-Term]; 1ｧCarbamidomethyl [C2]; 1ｧPhospho [S7(98.2)]	S7(Phospho): 98.2	S(3): 0.0; S(5): 0.9; T(6): 0.9; S(7): 98.2	RNCSASTsQERSKQK	S7;	High	1448.603839					1	1	29.1	High	0.2414	3.150173187	High	0.0825	Yes
NP_061330.2	55971	32171238	BAIAP2L1	brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 1 [Homo sapiens]	S414	0.22		LLEENETEAVTVPTPsPTPVR	1	1	6	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S16(98.2)]	S16(Phospho): 98.19	T(7): 0.0; T(11): 0.0; T(14): 0.0; S(16): 98.2; T(18): 1.8	AVTVPTPsPTPVRSI	S16;	High	2588.305795	236.93		86.7		2		29.09	High	0.0345	4.877095699	High	0.0369	Yes
NP_001278893.1	4301	634743290	MLLT4	afadin isoform 4 [Homo sapiens]	S1141	0.99	0.82	SSPNVANQPPsPGGK	1	3	2	0	2ｧTMT6plex [N-Term; K15]; 1ｧDeamidated [Q8(100)]; 1ｧPhospho [S11(100)]	Q8(Deamidated): 99.99; S11(Phospho): 100	S(1): 0.0; S(2): 0.0; S(11): 100.0	NVANQPPsPGGKSAY	S11;	High	1975.989043					1	1	29.09	High	0.1034	4.658392429	High	0.0665	No
NP_055857.1	23060	71725360	ZNF609	zinc finger protein 609 [Homo sapiens]	S576	1.83	0.95	LVEPHsPSPSSK	1	1	2	0	2ｧTMT6plex [N-Term; K12]; 1ｧPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(8): 0.0; S(10): 0.0; S(11): 0.0	VRLVEPHsPSPSSKF	S6;	High	1802.945387					1	1	29.09	High	0.4828	4.214136124	High	0.2257	Yes
NP_060821.3	55785	154240686	FGD6	FYVE, RhoGEF and PH domain-containing protein 6 [Homo sapiens]	S605	2.39	0.6	AKsLSAMDVEK	1	1	2	1	3ｧTMT6plex [N-Term; K2; K11]; 1ｧOxidation [M7(100)]; 1ｧPhospho [S3(100)]	S3(Phospho): 100; M7(Oxidation): 100	S(3): 100.0; S(5): 0.0	LTKPRAKsLSAMDVE	S3;	High	1962.058592					1	1	29.09	High	0.7931	3.659280062	High	0.123	Yes
NP_001287875.1	54815	665821193	GATAD2A	transcriptional repressor p66-alpha isoform 1 [Homo sapiens]	T189	0.19	2.19	EATAQKPTGSVGSTVTtPPPLVR	1	2	5	0	2ｧTMT6plex [N-Term; K6]; 1ｧPhospho [T17(99.9)]	T17(Phospho): 99.93	T(3): 0.0; T(8): 0.0; S(10): 0.0; S(13): 0.0; T(14): 0.0; T(16): 0.0; T(17): 99.9	SVGSTVTtPPPLVRG	T17;	High	2832.527245					1	1	29.09	High	0.2069	2.823328018	High	0.0213	Yes
NP_005981.3	6793	126362971	STK10	serine/threonine-protein kinase 10 [Homo sapiens]	S450	1.2	1.4	ASQsRPNSSALETLGGEK	1	1	6	0	2ｧTMT6plex [N-Term; K18]; 1ｧPhospho [S4(98.4)]	S4(Phospho): 98.41	S(2): 1.5; S(4): 98.4; S(8): 0.0; S(9): 0.0; T(13): 0.0	RSQKASQsRPNSSAL	S4;	High	2370.206639					1	1	29.08	High	1	3.876392603	High	0.0309	Yes
NP_004806.3	9411	134304853	ARHGAP29	rho GTPase-activating protein 29 [Homo sapiens]	S357	0.73	0.54	AEEEHLSSsGGLAK	1	1	3	0	2ｧTMT6plex [N-Term; K14]; 1ｧPhospho [S9(100)]	S9(Phospho): 99.98	S(7): 0.0; S(8): 0.0; S(9): 100.0	EEEHLSSsGGLAKNL	S9;	High	1952.973058					1	1	29.07	High	0.1379	4.936900616	High	0.0466	Yes
NP_001274355.1	7378	566006139	UPP1	uridine phosphorylase 1 isoform a [Homo sapiens]	S61	1.12	1.38	FVCVGGsPSR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧCarbamidomethyl [C3]; 1ｧPhospho [S7(100)]	S7(Phospho): 99.99	S(7): 100.0; S(9): 0.0	KFVCVGGsPSRMKAF	S7;	High	1374.643853					1	1	29.07	High	0.3448	2.82906723	High	0.1025	Yes
NP_060548.2	55132	30061567	LARP1B	la-related protein 1B isoform 1 [Homo sapiens]	S906	0.94	2.55	RNIsPESSDNSH	1	1	2	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(7): 0.0; S(8): 0.0; S(11): 0.0	NSPRRNIsPESSDNS	S4;	High	1651.727459					1	1	29.06	High	0.5862	2.827181339	High	0.2792	Yes
NP_060873.4	55802	291327466	DCP1A	mRNA-decapping enzyme 1A isoform a [Homo sapiens]	S522; S525	1.79	1.39	KAsSPsPLTIGTPESQR	1	5	2	1	2ｧTMT6plex [N-Term; K]; 2ｧPhospho [S3(98.4); S6(100)]	S3(Phospho): 98.35; S6(Phospho): 99.97	S(3): 98.4; S(4): 1.7; S(6): 100.0; T(9): 0.0; T(12): 0.0; S(15): 0.0	SDLERKAsSPSPLTI;ERKASSPsPLTIGTP	S3; S6;	High	2374.182079					1	1	29.05	High	0.069	3.828651667	High	0.1645	Yes;Yes
NP_065134.1	57122	9966881	NUP107	nuclear pore complex protein Nup107 [Homo sapiens]	S11	1.36	1.17	SGFGEISsPVIR	1	1	3	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S8(98.9)]	S8(Phospho): 98.92	S(1): 0.0; S(7): 1.1; S(8): 98.9	SGFGEISsPVIREAE	S8;	High	1557.78754					1	1	29.05	High	0.8621	2.748172045	High	0.0873	Yes
NP_003079.1	6624	4507115	FSCN1	fascin [Homo sapiens]	S38	0.61	1.14	VNASAsSLK	1	1	3	0	2ｧTMT6plex [N-Term; K9]; 1ｧPhospho [S7(100)]	S6(Phospho): 99.28	S(4): 0.0; S(6): 99.3; S(7): 0.7	FKVNASAsSLKKKQI	S6;	High	1414.770717					1	1	29.04	High	0.3103	2.975794077	High	0.1107	Yes
NP_115796.2	5097	27754773	PCDH1	protocadherin-1 isoform 2 precursor [Homo sapiens]	S1173	0.9	0.61	GGQEPAGAGSPsPPEDR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S12(100)]	S12(Phospho): 100	S(10): 0.0; S(12): 100.0	PAGAGSPsPPEDRNT	S12;	High	1917.854116					1	1	29.03	High	0.1034	4.43635273	High	0.1464	Yes
NP_036340.1	23438	15029520	HARS2	probable histidine--tRNA ligase, mitochondrial isoform 1 precursor [Homo sapiens]	S67	1.06	0.37	DLsPQHMVVR	1	2	2	0	1ｧTMT6plex [N-Term]; 1ｧOxidation [M7(100)]; 1ｧPhospho [S3(100)]	S3(Phospho): 100; M7(Oxidation): 100	S(3): 100.0	PKGTRDLsPQHMVVR	S3;	High	1506.733731					1	1	29	High	1	3.780838966	High	0.5106	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S403	0.85	0.59	GRAsSHSSQTQGGGSVTK	1	6	10	1	2ｧTMT6plex [N-Term; K18]; 1ｧPhospho [S4(100)]	S4(Phospho): 99.97	S(4): 100.0; S(5): 0.0; S(7): 0.0; S(8): 0.0; T(10): 0.0; S(15): 0.0; T(17): 0.0	QRSRGRAsSHSSQTQ	S4;	High	2270.129058					1	1	28.99	High	0.2414	5.07201004	High	0.0217	Yes
NP_001107018.1	51474	165905589	LIMA1	LIM domain and actin-binding protein 1 isoform 1 [Homo sapiens]	S699	0.8	1.2	QQsPQEPK	1	4	8	0	2ｧTMT6plex [N-Term; K8]; 1ｧDeamidated [Q5(100)]; 1ｧPhospho [S3(100)]	Q1(Deamidated): 99.31; S3(Phospho): 100	S(3): 100.0	NSFLKQQsPQEPKSL	S3;	High	1480.744897	3.95	0.96	5.5	2	3	3	28.99	High	0.7586	3.27299118	High	0.1774	No
NP_001193954.1	5452	333360875	POU2F2	POU domain, class 2, transcription factor 2 isoform 1 [Homo sapiens]	S26	0.99	0.99	QGLDsPSEHTDTER	1	4	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(7): 0.0; T(10): 0.0; T(12): 0.0	AEKQGLDsPSEHTDT	S5;	High	1880.822481					1	1	28.99	High	0.4483	3.026417255	High	0.1782	No
NP_001531.1	3315	4504517	HSPB1	heat shock protein beta-1 [Homo sapiens]	S82	0.33	0.33	QLsSGVSEIR	1	1	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; S(4): 0.0; S(7): 0.0	RALSRQLsSGVSEIR	S3;	High	1384.703476	44.85	10.31	20.9	4.8	2	2	28.98	High	0.3103	3.708110571	High	0.1078	Yes
NP_057584.2	51260	32306539	PBDC1	protein PBDC1 isoform 1 [Homo sapiens]	S181	0.48	3.4	ADsGEEENTK	1	1	2	0	2ｧTMT6plex [N-Term; K10]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(9): 0.0	GGEKRADsGEEENTK	S3;	High	1617.740933					1	1	28.98	High	0.6207	2.914329529	High	0.4296	Yes
NP_005900.2	4131	153945728	MAP1B	microtubule-associated protein 1B [Homo sapiens]	T1788	3.33	2.27	SDISPLtPR	1	1	3	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S4(100)]	T7(Phospho): 100	S(1): 0.0; S(4): 0.0; T(7): 100.0	KSDISPLtPRESSPL	T7;	High	1294.660549					1	1	28.98	High	0.4828	2.749022245	High	0.1673	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1385	4.17	1.27	HNGSLsPGLEARDPLEAR	1	1	4	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S]	S6(Phospho): 99.97	S(4): 0.0; S(6): 100.0	LRHNGSLsPGLEARD	S6;	High	2228.102225	12.25	12.43	82.8	22.7	2	2	28.97	High	0.2069	5.600885868	High	0.1411	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_003899.2	8894	29826335	EIF2S2	eukaryotic translation initiation factor 2 subunit 2 [Homo sapiens]	S2	5.43	1.69	MsGDEMIFDPTMSK	1	1	2	0	2×TMT6plex [N-Term; K14]; 3×Oxidation [M1(100); M6(100); M12(100)]; 1×Phospho [S2(100)]	M1(Oxidation): 100; S2(Phospho): 100; M6(Oxidation): 100; M12(Oxidation): 100	S(2): 100.0; T(11): 0.0; S(13): 0.0	_MsGDEMIFD	S2;	High	2174.946117					1	1	28.97	High	1	3.456501007	High	0.5954	Yes
NP_031385.2	22794	15721939	CASC3	protein CASC3 [Homo sapiens]	S148	1.68	1.33	STVTGERQsGDGQESTEPVENK	1	1	5	1	2×TMT6plex [N-Term; K22]; 1×Phospho [S9(100)]	S9(Phospho): 100	S(1): 0.0; T(2): 0.0; T(4): 0.0; S(9): 100.0; S(15): 0.0; T(16): 0.0	TVTGERQsGDGQEST	S9;	High	2873.35661	15.79	4.51	48.5	10.4	3	3	28.96	High	0.1379	5.598018169	High	0.0839	Yes
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S925	0.58	0.55	RSsPVPPVPER	1	1	9	1	1×TMT6plex [N-Term]; 1×Phospho [S3(99.4)]	S3(Phospho): 99.38	S(2): 0.6; S(3): 99.4	PVPERRSsPVPPVPE	S3;	High	1529.803859	10.13	24.34	10.2	23.5	3	3	28.96	High	0.6897	4.056196213	High	0.0493	Yes
NP_067636.1	59339	154146216	PLEKHA2	pleckstrin homology domain-containing family A member 2 [Homo sapiens]	S184	0.87	1.7	SQsYIPTSGCR	1	1	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C10]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; Y(4): 0.0; T(7): 0.0; S(8): 0.0	TILRRSQsYIPTSGC	S3;	High	1564.702825					1	1	28.94	High	0.2414	2.670401573	High	0.1536	Yes
NP_055623.1	9855	7662310	FARP2	FERM, RhoGEF and pleckstrin domain-containing protein 2 isoform a [Homo sapiens]	S439	1	1.04	DSSSSLTDPQVSYVKsPAAER	1	3	2	1	2×TMT6plex [N-Term; K15]; 1×Phospho [S16(100)]	S16(Phospho): 100	S(2): 0.0; S(3): 0.0; S(4): 0.0; S(5): 0.0; T(7): 0.0; S(12): 0.0; Y(13): 0.0; S(16): 100.0	PQVSYVKsPAAERRS	S16;	High	2762.36499					1	1	28.93	High	0.1724	4.346997261	High	0.0736	Yes
NP_004629.3	7916	314122241	PRRC2A	protein PRRC2A [Homo sapiens]	S761	1.36	1	SDsGGSSSEPFDR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(96.9)]	S3(Phospho): 96.93	S(1): 0.0; S(3): 96.9; S(6): 1.0; S(7): 1.0; S(8): 1.0	VPRERSDsGGSSSEP	S3;	High	1636.668941					1	1	28.91	High	0.2414	3.170901775	High	0.0883	Yes
NP_055271.2	27250	21735596	PDCD4	programmed cell death protein 4 isoform 1 [Homo sapiens]	S94	0.71	0.48	SGLTVPTsPK	1	3	5	0	2×TMT6plex [N-Term; K10]; 1×Phospho [S8(100)]	S8(Phospho): 99.99	S(1): 0.0; T(4): 0.0; T(7): 0.0; S(8): 100.0	SGLTVPTsPKGRLLD	S8;	High	1524.843882	3	0.06	3	0	2	2	28.9	High	0.3448	4.116981983	High	0.1068	Yes
NP_004759.1	9295	4759100	SRSF11	serine/arginine-rich splicing factor 11 isoform 1 [Homo sapiens]	S483	0.35	0.41	VNGDDHHEEDMDMsD	1	2	4	0	1×TMT6plex [N-Term]; 2×Oxidation [M11(100); M13(100)]; 1×Phospho [S14(100)]	M11(Oxidation): 100; M13(Oxidation): 100; S14(Phospho): 100	S(14): 100.0	HEEDMDMsD_	S14;	High	2086.720461		242.34		247	1	2	28.89	High	1	3.304095984	High	0.7848	Yes
NP_004206.1	9166	4758230	EBAG9	receptor-binding cancer antigen expressed on SiSo cells [Homo sapiens]	S36	0.84	0.44	KLsGDQITLPTTVDYSSVPK	1	1	2	1	3×TMT6plex [N-Term; K20; K]; 1×Deamidated [Q6(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; Q6(Deamidated): 100	S(3): 100.0; T(8): 0.0; T(11): 0.0; T(12): 0.0; Y(15): 0.0; S(16): 0.0; S(17): 0.0	SGRGRKLsGDQITLP	S3;	High	2917.577833					1	1	28.87	High	0.2069	5.912423134	High	0.1912	Yes
NP_056041.1	23274	54792782	CLEC16A	protein CLEC16A isoform 1 [Homo sapiens]	S863	1.06	0.53	RGsSDPTVQR	1	2	3	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(4): 0.0; T(7): 0.0	YDQGRRGsSDPTVQR	S3;	High	1411.689223					1	1	28.87	High	0.3793	3.519015074	High	0.1193	Yes
NP_001289958.1	11187	732663005	PKP3	plakophilin-3 isoform PKP3b [Homo sapiens]	S110	0.49	1.53	sQGLSGDK	1	2	2	0	2×TMT6plex [N-Term; K8]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(5): 0.0	QAGFSSRsQGLSGDK	S1;	High	1329.681568					1	1	28.87	High	0.6897	3.112930536	High	0.2958	No
NP_002383.2	4193	89993689	MDM2	E3 ubiquitin-protein ligase Mdm2 isoform a [Homo sapiens]	S172	1.01	1.07	RAIsETEENSDELSGER	1	2	2	1	1×TMT6plex [N-Term]; 1×Deamidated [N9(100)]; 1×Phospho [S4(100)]	S4(Phospho): 99.97; N9(Deamidated): 100	S(4): 100.0; T(6): 0.0; S(10): 0.0; S(14): 0.0	SSRRRAIsETEENSD	S4;	High	2231.986646					1	1	28.86	High	0.4483	3.277643919	High	0.1006	No
NP_001166184.1	2803	289577134	GOLGA4	Golgin subfamily A member 4 isoform 1 [Homo sapiens]	S111	1.92	1.19	SSsKESLVR	1	2	2	1	2×TMT6plex [N-Term; K4]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(2): 0.0; S(3): 100.0; S(6): 0.0	ESLFRSSsKESLVRT	S3;	High	1530.829294					1	1	28.86	High	0.1034	3.117557287	High	0.0737	No
NP_004759.1	9295	4759100	SRSF11	serine/arginine-rich splicing factor 11 isoform 1 [Homo sapiens]	S483	0.26	0.1	ESKVNGDDHHEEDMDMsD	1	2	3	1	2×TMT6plex [N-Term; K3]; 2×Oxidation [M14(100); M16(100)]; 1×Deamidated [N5(100)]; 1×Phospho [S17(100)]	N5(Deamidated): 100; M14(Oxidation): 100; M16(Oxidation): 100; S17(Phospho): 100	S(2): 0.0; S(17): 100.0	HEEDMDMsD_	S17;	High	2661.036993					1	1	28.85	High	1	4.081910133	High	0.7941	Yes
NP_055717.2	22839	34335253	DLGAP4	disks large-associated protein 4 isoform a [Homo sapiens]	S970	0.05		QNsATESADSIEIYVPEAQTR	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(98.2)]	S3(Phospho): 98.22	S(3): 98.2; T(5): 1.8; S(7): 0.0; S(10): 0.0; Y(14): 0.0; T(20): 0.0	AASVRQNsATESADS	S3;	High	2618.218437					1		28.8	High	0.069	3.430046558	High	0.0583	Yes
NP_036377.1	22938	6912676	SNW1	SNW domain-containing protein 1 [Homo sapiens]	S224	1.01	1.1	GPPsPPAPVMHSPSR	1	1	2	0	1×TMT6plex [N-Term]; 1×Oxidation [M10(100)]; 1×Phospho [S4(100)]	S4(Phospho): 100; M10(Oxidation): 100	S(4): 100.0; S(12): 0.0; S(14): 0.0	KIPRGPPsPPAPVMH	S4;	High	1838.882186					1	1	28.8	High	0.8621	3.217555761	High	0.5124	Yes
NP_006028.2	9759	153085395	HDAC4	histone deacetylase 4 [Homo sapiens]	S632	1.19	0.92	AQsSPASATFPVSVQEPPTKPR	1	1	3	0	2×TMT6plex [N-Term; K20]; 1×Phospho [S3(98.6)]	S3(Phospho): 98.6	S(3): 98.6; S(4): 1.4; S(7): 0.0; T(9): 0.0; S(13): 0.0; T(19): 0.0	RPLSRAQsSPASATF	S3;	High	2820.46973					1	1	28.75	High	0.069	4.695002079	High	0.0404	Yes
NP_059344.1	10458	9257197	BAIAP2	brain-specific angiogenesis inhibitor 1-associated protein 2 isoform 1 [Homo sapiens]	S454	0.71	0.61	SSsTGNLLDKDDLAIPPPDYGAASR	1	4	4	1	2×TMT6plex [N-Term; K10]; 1×Phospho [S3(98.3)]	S3(Phospho): 98.34	S(1): 0.0; S(2): 1.6; S(3): 98.3; T(4): 0.0; Y(20): 0.0; S(24): 0.0	LQQGKSSsTGNLLDK	S3;	High	3098.544745					1	1	28.74	High	0.1034	5.729780674	High	0.0436	Yes
NP_001035754.1	692312	99028871	PPAN-P2RY11	PPAN-P2RY11 protein isoform 1 [Homo sapiens]	S359	1.72	0.64	ARVGGsDEEASGIPSR	1	3	3	1	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(11): 0.0; S(15): 0.0	KKARVGGsDEEASGI	S6;	High	1896.9014	2.05	13.22	5	12	2	2	28.74	High	0.6207	5.045104504	High	0.3188	No
NP_001253975.1	122786	388490221	FRMD6	FERM domain-containing protein 6 isoform 2 [Homo sapiens]	S522; S525	0.5	0.9	LRGQsTDsLPQTICR	1	3	2	1	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C14]; 2×Phospho [S5(100); S8(100)]	S5(Phospho): 99.96; S8(Phospho): 100	S(5): 100.0; T(6): 0.0; S(8): 100.0; T(12): 0.0	VVKLRGQsTDSLPQT;LRGQSTDsLPQTICR	S5; S8;	High	2120.976236					1	1	28.74	High	0.2414	4.334018707	High	0.0855	Yes;Yes
NP_056069.2	23303	46852172	KIF13B	kinesin-like protein KIF13B [Homo sapiens]	S1644	0.66	0.82	ERPDLEAPAPGsPFR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S12(100)]	S12(Phospho): 100	S(12): 100.0	LEAPAPGsPFRVRRV	S12;	High	1947.952708					1	1	28.73	High	0.931	5.000210285	High	0.654	Yes
NP_006654.2	10848	63003907	PPP1R13L	relA-associated inhibitor [Homo sapiens]	S74	0.54	0.87	YSSSsIPEPFGSR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S5(98.9)]	S5(Phospho): 98.92	Y(1): 0.0; S(2): 0.0; S(3): 0.0; S(4): 1.1; S(5): 98.9; S(12): 0.0	PPRYSSSsIPEPFGS	S5;	High	1722.793748					1	1	28.71	High	0.2069	2.729855299	High	0.0916	No
NP_002379.3	4172	394582093	MCM3	DNA replication licensing factor MCM3 isoform 1 [Homo sapiens]	T767	0.62	5.72	DGDSYDPYDFSDTEEEMPQVHtPK	1	2	3	0	2×TMT6plex [N-Term; K24]; 2×Phospho [T22(100); S/T/Y]	S11(Phospho): 49.99; T13(Phospho): 49.99; T22(Phospho): 100	S(4): 0.0; Y(5): 0.0; Y(8): 0.0; S(11): 50.0; T(13): 50.0; T(22): 100.0	EEMPQVHtPKTADSQ	T22;	High	3420.394451					1	1	28.7	High	0.2069	3.585404634	High	0.2646	No
NP_055662.3	9898	188497758	UBAP2L	ubiquitin-associated protein 2-like isoform a [Homo sapiens]	S116	1.31	1.61	DGGQTEsNEEGKENR	1	4	2	1	2×TMT6plex [N-Term; K12]; 1×Phospho [S7(100)]	S7(Phospho): 99.99	T(5): 0.0; S(7): 100.0	KDGGQTEsNEEGKEN	S7;	High	2187.991955					1	1	28.7	High	0.4483	3.273941994	High	0.0703	Yes
NP_001271143.1	9320	545746335	TRIP12	E3 ubiquitin-protein ligase TRIP12 isoform a [Homo sapiens]	S354	0.98	1.04	SEsPPAELPSLR	1	3	6	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(10): 0.0	STKKRSEsPPAELPS	S3;	High	1591.793019	6.14	3.34	10.4	6	3	3	28.7	High	0.3793	3.243695021	High	0.179	No
NP_004277.2	9567	82546879	GTPBP1	GTP-binding protein 1 [Homo sapiens]	S24		1.29	SAMDSPVPASMFAPEPsSPGAAR	1	1	4	0	1×TMT6plex [N-Term]; 1×Oxidation [M3(100)]; 1×Phospho [S17(98.1)]	M3(Oxidation): 100; S17(Phospho): 98.08	S(1): 0.0; S(5): 0.0; S(10): 0.0; S(17): 98.1; S(18): 1.9	SMFAPEPsSPGAARA	S17;	High	2585.161456						1	28.69	High	0.4828	3.068585157	High	0.329	Yes
NP_001120982.1	324	189011566	APC	adenomatous polyposis coli protein isoform b [Homo sapiens]	S1042	1.25	1.01	YSDEQLNSGRQsPSQNER	1	2	2	1	1×TMT6plex [N-Term]; 1×Phospho [S12(100)]	S12(Phospho): 99.98	Y(1): 0.0; S(2): 0.0; S(8): 0.0; S(12): 100.0; S(14): 0.0	QLNSGRQsPSQNERW	S12;	High	2404.072776					1	1	28.68	High	0.2759	4.867909431	High	0.0698	Yes
NP_001026859.1	9373	72534670	PLAA	phospholipase A-2-activating protein [Homo sapiens]	S50	1.32	2.29	LWAPDsPNR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	TRLWAPDsPNRSFTE	S6;	High	1364.656132					1	1	28.68	High	1	2.689118147	High	0.6617	Yes
NP_057300.2	51163	56549113	DBR1	lariat debranching enzyme [Homo sapiens]	S514	0.87	1.02	RLsDEHEPEQR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	KVPLKRLsDEHEPEQ	S3;	High	1704.790394					1	1	28.67	High	1	3.53186512	High	0.4901	Yes
NP_000971.1	6142	11415026	RPL18A	60S ribosomal protein L18a [Homo sapiens]	S123	1.01	0.69	AHsIQIMK	1	1	2	0	2×TMT6plex [N-Term; K8]; 1×Oxidation [M7(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; M7(Oxidation): 100	S(3): 100.0	RHRARAHsIQIMKVE	S3;	High	1481.795158					1	1	28.64	High	1	3.100732327	High	0.6323	Yes
NP_005724.1	10112	5032013	KIF20A	kinesin-like protein KIF20A [Homo sapiens]	S532	0.86	0.74	EHSLQVsPSLEK	1	1	2	0	2×TMT6plex [N-Term; K12]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(3): 0.0; S(7): 100.0; S(9): 0.0	KEHSLQVsPSLEKGA	S7;	High	1891.993065					1	1	28.61	High	0.3103	5.038972378	High	0.1329	Yes
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S998	3.16	1.43	RMEDEGGFPVPQENGQPEsPR	1	1	2	1	1×TMT6plex [N-Term]; 1×Oxidation [M2(100)]; 1×Phospho [S19(100)]	M2(Oxidation): 100; S19(Phospho): 100	S(19): 100.0	QENGQPEsPRRLSLG	S19;	High	2681.186425					1	1	28.58	High	1	5.103322506	High	0.5588	Yes
NP_003283.2	7175	114155142	TPR	nucleoprotein TPR [Homo sapiens]	T2137	1.28	2.94	TVPStPTLVVPHR	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [T5(100)]	T5(Phospho): 99.99	T(1): 0.0; S(4): 0.0; T(5): 100.0; T(7): 0.0	EDRTVPStPTLVVPH	T5;	High	1712.929788					1	1	28.58	High	0.0345	3.908218861	High	0.0614	Yes
NP_001002909.1	23131	50962882	GPATCH8	G patch domain-containing protein 8 isoform 1 [Homo sapiens]	S1014	0.93	1.03	SWGHEsPEER	1	3	4	0	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(1): 0.0; S(6): 100.0	KRSWGHEsPEERHSG	S6;	High	1522.652503	10.43	12.54	13.8	18.4	2	2	28.55	High	0.6897	3.459083557	High	0.3468	Yes
NP_005778.1	10195	5031953	ALG3	dol-P-Man:Man(5)GlcNAc(2)-PP-Dol alpha-1,3-mannosyltransferase isoform a [Homo sapiens]	S13	1.76	0.77	GRSGsAAQAEGLCK	1	1	4	1	2×TMT6plex [N-Term; K14]; 1×Carbamidomethyl [C13]; 1×Phospho [S5(99.1)]	S5(Phospho): 99.07	S(3): 0.9; S(5): 99.1	RKRGRSGsAAQAEGL	S5;	High	1929.961782					1	1	28.53	High	1	3.261538744	High	0.0276	Yes
NP_002827.1	5786	4506303	PTPRA	receptor-type tyrosine-protein phosphatase alpha isoform 1 precursor [Homo sapiens]	S189	0.41	2.54	QAGSHSNsFR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S8(98.8)]	S8(Phospho): 98.78	S(4): 0.0; S(6): 1.2; S(8): 98.8	QAGSHSNsFRLSNGR	S8;	High	1399.631708					1	1	28.53	High	0.2759	2.96246171	High	0.152	Yes
NP_003820.2	8777	148746189	MPDZ	multiple PDZ domain protein isoform 1 [Homo sapiens]	S230	1.68	1.06	GSLPQLVsPIVSR	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(2): 0.0; S(8): 100.0; S(12): 0.0	GSLPQLVsPIVSRSP	S8;	High	1661.918889					1	1	28.53	High	0.4828	2.809453011	High	0.2491	Yes
NP_001018146.1	654364	66392203	NME1-NME2	NME1-NME2 protein [Homo sapiens]	S235	0.55	0.43	NIIHGsDSVK	1	2	2	0	2×TMT6plex [N-Term; K10]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(8): 0.0	GRNIIHGsDSVKSAE	S6;	High	1607.855844					1	1	28.51	High	0.4828	4.624991417	High	0.1753	Yes
NP_056330.3	25984	27894339	KRT23	keratin, type I cytoskeletal 23 isoform 1 [Homo sapiens]	T33	2.52	4.27	APtVHGGAGGAR	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [T3(100)]	T3(Phospho): 100	T(3): 100.0	RSFPRAPtVHGGAGG	T3;	High	1359.673179					1	1	28.51	High	0.9655	3.129673481	High	0.6454	Yes
NP_001119522.1	3068	186928819	HDGF	hepatoma-derived growth factor isoform b [Homo sapiens]	S218	0.81	2.62	NSTPsEPGSGR	1	3	4	0	1×TMT6plex [N-Term]; 1×Phospho [S5(98.9)]	S5(Phospho): 98.94	S(2): 0.0; T(3): 1.1; S(5): 98.9; S(9): 0.0	VEKNSTPsEPGSGRG	S5;	High	1397.625954					1	1	28.49	High	0.3929	2.834846735	High	0.1025	No
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S85; S93; T97	1.11	0.73	RAHsPASTLPNsPGStFER	1	1	5	1	1×TMT6plex [N-Term]; 3×Phospho [S4(99.9); S12(99.9); T16(97.3)]	S4(Phospho): 99.92; S12(Phospho): 99.92; T16(Phospho): 97.32	S(4): 99.9; S(7): 0.0; T(8): 0.1; S(12): 99.9; S(15): 2.8; T(16): 97.3	SSYRRAHsPASTLPN;PASTLPNsPGSTFER;LPNSPGStFERKTHV	S4; S12; T16;	High	2481.056351					1	1	28.48	High	0.3929	5.503499985	High	0.0382	Yes;Yes;No
NP_002220.1	3726	4504809	JUNB	transcription factor jun-B [Homo sapiens]	T255; S259	1.62	0.75	SRDAtPPVsPINMEDQER	1	1	3	1	1×TMT6plex [N-Term]; 1×Oxidation [M13(100)]; 2×Phospho [T5(100); S9(100)]	T5(Phospho): 100; S9(Phospho): 100; M13(Oxidation): 100	S(1): 0.0; T(5): 100.0; S(9): 100.0	EARSRDAtPPVSPIN;RDATPPVsPINMEDQ	T5; S9;	High	2447.051252					1	1	28.48	High	0.9286	5.110149384	High	0.1468	Yes;Yes
NP_001613.2	197	156523970	AHSG	alpha-2-HS-glycoprotein preproprotein [Homo sapiens]	S138	16.94	27.5	CDSSPDsAEDVRK	1	1	2	1	2×TMT6plex [N-Term; K13]; 1×Carbamidomethyl [C1]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(3): 0.0; S(4): 0.0; S(7): 100.0	KCDSSPDsAEDVRKV	S7;	High	2003.914557					1	1	28.48	High	0.4643	4.111816883	High	0.2263	Yes
NP_057591.2	51755	157817023	CDK12	cyclin-dependent kinase 12 isoform 1 [Homo sapiens]	S301; S303	1.36	1.12	QRsVsPYSR	1	2	2	1	1×TMT6plex [N-Term]; 2×Phospho [S3(100); S5(100)]	S3(Phospho): 100; S5(Phospho): 100	S(3): 100.0; S(5): 100.0; Y(7): 0.0; S(8): 0.0	PYSRRQRsVSPYSRR;SRRQRSVsPYSRRRS	S3; S5;	High	1468.654826					1	1	28.48	High	0.5714	2.97271347	High	0.431	Yes;Yes
NP_006411.2	10564	150417986	ARFGEF2	brefeldin A-inhibited guanine nucleotide-exchange protein 2 [Homo sapiens]	S227	2.31	1.36	ELEKPIQSKPQSPVIQAAAVsPK	1	1	2	0	4×TMT6plex [N-Term; K4; K9; K23]; 1×Phospho [S21(100)]	S21(Phospho): 100	S(8): 0.0; S(12): 0.0; S(21): 100.0	VIQAAAVsPKFVRLK	S21;	High	3441.989209					1	1	28.47	High	1	9.176890373	High	0.5708	Yes
NP_001072989.1	3895	118498356	KTN1	kinectin isoform a [Homo sapiens]	S75	0.62	0.93	EIQNGNLHEsDSESVPR	1	4	2	0	1×TMT6plex [N-Term]; 3×Deamidated [Q3(100); N4(100); N6(100)]; 1×Phospho [S10(100)]	Q3(Deamidated): 100; N4(Deamidated): 100; N6(Deamidated): 100; S10(Phospho): 99.98	S(10): 100.0; S(12): 0.0; S(14): 0.0	QNGNLHEsDSESVPR	S10;	High	2222.965184					1	1	28.47	High	0.2143	3.460931301	High	0.0954	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	S864; T869	0.73	0.61	SQSSHsYDDStLPLIDR	1	15	4	0	1×TMT6plex [N-Term]; 2×Phospho [S6(99.9); T11(97.8)]	S6(Phospho): 99.94; T11(Phospho): 97.8	S(1): 0.0; S(3): 0.0; S(4): 0.1; S(6): 99.9; Y(7): 0.0; S(10): 2.2; T(11): 97.8	SRSQSSHsYDDSTLP;SHSYDDStLPLIDRN	S6; T11;	High	2309.988969					1	1	28.45	High	0.0714	3.183166504	High	0.0094	Yes;Yes
NP_001074295.2	157285	595582408	SGK223	tyrosine-protein kinase SgK223 [Homo sapiens]	S826	1.68	1.43	AAsSPDGFFWTQGSPKPGTASPK	1	1	5	0	3×TMT6plex [N-Term; K16; K23]; 1×Phospho [S3(98.5)]	S3(Phospho): 98.52	S(3): 98.5; S(4): 1.5; T(11): 0.0; S(14): 0.0; T(19): 0.0; S(21): 0.0	KIVSRAAsSPDGFFW	S3;	High	3088.574813	3.66	16.48	8.7	34.3	2	2	28.44	High	0.0714	6.278184414	High	0.0223	Yes
NP_056130.2	23367	39725634	LARP1	la-related protein 1 [Homo sapiens]	T449	0.92	0.78	AVtPVPTKTEEVSNLK	1	1	3	1	3×TMT6plex [N-Term; K8; K16]; 1×Phospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; T(7): 0.0; T(9): 0.0; S(13): 0.0	PGSPRAVtPVPTKTE	T3;	High	2480.398018					1	1	28.43	High	0.6429	3.475030184	High	0.2529	No
NP_612429.2	113146	156766050	AHNAK2	protein AHNAK2 [Homo sapiens]	S4897	1.16	1.46	FVFSVPQMAVPEGDLHAAVGAPVMSPLsPGER	1	1	3	0	1×TMT6plex [N-Term]; 2×Oxidation [M8(100); M24(100)]; 1×Deamidated [Q7(100)]; 1×Phospho [S28(94.6)]	Q7(Deamidated): 100; M8(Oxidation): 100; M24(Oxidation): 100; S28(Phospho): 94.56	S(4): 0.0; S(25): 5.4; S(28): 94.6	APVMSPLsPGERVQC	S28;	High	3634.752424					1	1	28.42	High	0.9286	5.518050194	High	0.0616	Yes
NP_078889.1	79666	13375827	PLEKHF2	pleckstrin homology domain-containing family F member 2 [Homo sapiens]	S226	1.27	2.97	SDsYSQSLK	1	1	2	0	2×TMT6plex [N-Term; K9]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; Y(4): 0.0; S(5): 0.0; S(7): 0.0	CQPARSDsYSQSLKS	S3;	High	1552.766025					1	1	28.42	High	0.4286	3.007127047	High	0.113	Yes
NP_115812.1	283489	41281612	CHAMP1	chromosome alignment-maintaining phosphoprotein 1 [Homo sapiens]	S445	2.26	1.45	KPSGsPDLWK	1	1	2	0	3×TMT6plex [N-Term; K10; K]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(3): 0.0; S(5): 100.0	ELRKPSGsPDLWKLS	S5;	High	1882.044262					1	1	28.41	High	0.6786	3.728150845	High	0.118	Yes
NP_005836.2	10257	157502201	ABCC4	multidrug resistance-associated protein 4 isoform 1 [Homo sapiens]	T646	0.55	0.71	KDNEESEQPPVPGtPTLR	1	4	2	1	2×TMT6plex [N-Term; K]; 1×Phospho [T14(100)]	T14(Phospho): 99.99	S(6): 0.0; T(14): 100.0; T(16): 0.0	EQPPVPGtPTLRNRT	T14;	High	2532.274719					1	1	28.4	High	0.1071	4.593026638	High	0.0566	Yes
NP_001156793.2	90060	425905348	CCDC120	coiled-coil domain-containing protein 120 isoform 1 [Homo sapiens]	S291	0.93	1.02	AVSGGsPERR	1	4	4	1	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(3): 0.0; S(6): 100.0	LRAVSGGsPERRTPW	S6;	High	1324.657195	10.91	19.29	14.5	28.5	2	2	28.4	High	0.8929	3.781863213	High	0.1534	No
NP_001128504.1	84141	205277349	EVA1A	protein eva-1 homolog A [Homo sapiens]	T113	0.11	0.08	NVFtSAEELER	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [T4(99.1)]	T4(Phospho): 99.1	T(4): 99.1; S(5): 0.9	TLNKNVFtSAEELER	T4;	High	1603.756634					1	1	28.4	High	0.2857	3.128346443	High	0.0224	No
NP_658988.2	140775	146260268	SMCR8	Smith-Magenis syndrome chromosomal region candidate gene 8 protein [Homo sapiens]	S417	1.49	1.36	VLISVGsYK	1	1	2	0	2×TMT6plex [N-Term; K9]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(4): 0.0; S(7): 100.0; Y(8): 0.0	KVLISVGsYKSSVES	S7;	High	1503.858804					1	1	28.39	High	0.3929	2.580905199	High	0.1279	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_056285.1	26056	24308075	RAB11FIP5	rab11 family-interacting protein 5 [Homo sapiens]	S296	2.19	0.67	SSWLSTEGGRDSAQsPK	1	1	3	1	2ヂTMT6plex [N-Term; K17]; 1ヂPhospho [S15(100)]	S15(Phospho): 99.98	S(1): 0.0; S(2): 0.0; S(5): 0.0; T(6): 0.0; S(12): 0.0; S(15): 100.0	GGRDSAQsPKLFTHK	S15;	High	2331.138226	9.27	38.7	29.3	37.9	2	2	28.37	High	0.2857	4.515867233	High	0.1128	Yes
NP_689853.3	196513	40548403	DCP1B	mRNA-decapping enzyme 1B [Homo sapiens]	S275	1.38	1.19	SLsYEEPR	1	1	2	0	1ヂTMT6plex [N-Term]; 1ヂPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; Y(4): 0.0	QGVVRSLsYEEPRRH	S3;	High	1289.597614					1	1	28.37	High	0.4643	3.101953506	High	0.1	Yes
NP_001193769.1	10618	332205947	TGOLN2	trans-Golgi network integral membrane protein 2 isoform 2 precursor [Homo sapiens]	S71	0.95	2.18	DSPSKSsAEAQTPEDTPNK	1	4	11	1	3ヂTMT6plex [N-Term; K5; K19]; 1ヂPhospho [S7(98.9)]	S7(Phospho): 98.93	S(2): 0.0; S(4): 0.0; S(6): 1.1; S(7): 98.9; T(12): 0.0; T(16): 0.0	KDSPSKSsAEAQTPE	S7;	High	2756.35946					1	1	28.36	High	0.6786	5.950171947	High	0.0151	Yes
NP_056311.2	25962	33946282	KIAA1429	protein virilizer homolog isoform 1 [Homo sapiens]	S1579	1.32	0.75	SFLSEPSsPGRTK	1	1	6	1	2ヂTMT6plex [N-Term; K13]; 1ヂPhospho [S/T]	S8(Phospho): 99.99	S(1): 0.0; S(4): 0.0; S(7): 0.0; S(8): 100.0; T(12): 0.0	SFLSEPSsPGRTKTT	S8;	High	1931.003964	7.33	37.02	13.8	40.8	2	2	28.35	High	0.4286	3.622866154	High	0.0442	Yes
NP_680780.1	11273	27262649	ATXN2L	ataxin-2-like protein isoform C [Homo sapiens]	S424	0.67	1.2	TLSsPSNRPSGETSVPPPPAVGR	1	6	4	0	1ヂTMT6plex [N-Term]; 1ヂPhospho [S4(96.5)]	S4(Phospho): 96.48	T(1): 0.0; S(3): 1.8; S(4): 96.5; S(6): 1.8; S(10): 0.0; T(13): 0.0; S(14): 0.0	RGAKTLSsPSNRPSG	S4;	High	2599.307861					1	1	28.34	High	0.0357	3.923875809	High	0.0459	Yes
NP_056969.2	51585	33620745	PCF11	pre-mRNA cleavage complex 2 protein Pcf11 [Homo sapiens]	S509; S511	1.4	0.64	QRsMsPTSTPK	1	1	4	1	2ヂTMT6plex [N-Term; K11]; 1ヂOxidation [M4(100)]; 2ヂPhospho [S3(100); S5(100)]	S3(Phospho): 100; M4(Oxidation): 100; S5(Phospho): 100	S(3): 100.0; S(5): 100.0; T(7): 0.0; S(8): 0.0; T(9): 0.0	SPKRRQRsMSPTSTP;KRRQRSMsPTSTPKA	S3; S5;	High	1853.863388	3.3	54.03	6.5	52.3	2	2	28.34	High	0.5714	3.510114431	High	0.5385	Yes;Yes
NP_073744.2	64855	51093863	FAM129B	niban-like protein 1 isoform 1 [Homo sapiens]	S665	2.53	1.08	GLLAQGLRPEsPPPAGPLLNGAPAGESPQPK	1	2	2	0	2ヂTMT6plex [N-Term; K31]; 1ヂPhospho [S11(100)]	S11(Phospho): 100	S(11): 100.0; S(27): 0.0	AQGLRPEsPPPAGPL	S11;	High	3554.913639					1	1	28.33	High	0.8571	6.567877769	High	0.3333	Yes
NP_001186326.1	4750	313661426	NEK1	serine/threonine-protein kinase Nek1 isoform 1 [Homo sapiens]	S1080	0.75	1.19	TCsLPDLSK	1	5	2	0	2ヂTMT6plex [N-Term; K9]; 1ヂCarbamidomethyl [C2]; 1ヂPhospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; S(8): 0.0	PKMLRTCsLPDLSKL	S3;	High	1558.795217					1	1	28.32	High	0.6429	3.497915506	High	0.1971	No
NP_055186.3	26993	612407827	AKAP8L	A-kinase anchor protein 8-like isoform 1 [Homo sapiens]	S283	1.21	1.58	QGGsPDEPDSK	1	2	2	0	2ヂTMT6plex [N-Term; K11]; 1ヂPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(10): 0.0	KKRKQGGsPDEPDSK	S4;	High	1654.772567					1	1	28.31	High	0.8929	3.420337677	High	0.5	Yes
NP_055820.2	283638	326319990	CEP170B	centrosomal protein of 170 kDa protein B isoform 2 [Homo sapiens]	S527	1.47	0.82	KMIDQVFGVLEsPELSR	1	2	2	1	2ヂTMT6plex [N-Term; K]; 1ヂOxidation [M2(100)]; 1ヂPhospho [S12(100)]	M2(Oxidation): 100; S12(Phospho): 100	S(12): 100.0; S(16): 0.0	QVFGVLEsPELSRAS	S12;	High	2502.307934					1	1	28.3	High	0.6071	4.189330101	High	0.1456	No
NP_005311.1	3007	4885377	HIST1H1D	histone H1.3 [Homo sapiens]	T147	0.83	0.61	KVAGAAtPK	1	1	2	1	3ヂTMT6plex [N-Term; K9; K]; 1ヂPhospho [T7(100)]	T7(Phospho): 100	T(7): 100.0	KKVAGAAtPKKSIKK	T7;	High	1609.964555					1	1	28.3	High	1	4.093448639	High	0.6504	Yes
NP_057712.2	51322	18379328	WAC	WW domain-containing adapter protein with coiled-coil isoform 1 [Homo sapiens]	S511	0.62	1.85	QQGHEPVsPR	1	3	2	0	1ヂTMT6plex [N-Term]; 1ヂPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0	QQGHEPVsPRSLQRS	S8;	High	1443.694308					1	1	28.3	High	0.8929	3.827145576	High	0.5614	Yes
NP_006653.2	10847	146219843	SRCAP	helicase SRCAP [Homo sapiens]	S2869	1.06	1.14	NRsPADAGR	1	1	2	1	1ヂTMT6plex [N-Term]; 1ヂPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	RPPKKNRsPADAGRG	S3;	High	1252.59968					1	1	28.3	High	0.9643	3.352618217	High	0.5164	Yes
NP_001138230.1	23187	221219024	PHLDB1	pleckstrin homology-like domain family B member 1 isoform a [Homo sapiens]	S443	1.32	0.74	TLQPPEsPR	1	2	3	0	1ヂTMT6plex [N-Term]; 1ヂPhospho [S7(100)]	S7(Phospho): 100	T(1): 0.0; S(7): 100.0	RTLQPPEsPRLGRRG	S7;	High	1333.671448	23.33	25.61	45.6	27.2	2	2	28.29	High	1	2.977321625	High	0.5839	Yes
NP_006188.3	5108	134142826	PCM1	pericentriolar material 1 protein [Homo sapiens]	S93	3.98	2.74	YMSQMsVPEQAELEK	1	1	3	0	2ヂTMT6plex [N-Term; K15]; 2ヂOxidation [M2(100); M5(100)]; 1ヂPhospho [S6(100)]	M2(Oxidation): 100; M5(Oxidation): 100; S6(Phospho): 100	Y(1): 0.0; S(3): 0.0; S(6): 100.0	SRYMSQMsVPEQAEL	S6;	High	2340.090473					1	1	28.28	High	0.2143	2.93740654	High	0.1088	Yes
NP_004277.2	9567	82546879	GTPBP1	GTP-binding protein 1 [Homo sapiens]	S12; S24	1.43	0.52	SAMDsPVPASMFAPEPsSPGAAR	1	1	2	0	1ヂTMT6plex [N-Term]; 2ヂOxidation [M3(100); M11(100)]; 2ヂPhospho [S5(95.8); S17(95.8)]	M3(Oxidation): 100; S5(Phospho): 95.82; M11(Oxidation): 100; S17(Phospho): 95.82	S(1): 4.2; S(5): 95.8; S(10): 0.0; S(17): 95.8; S(18): 4.2	RSRSAMDsPVPASMF;SMFAPEPsSPGAARA	S5; S17;	High	2681.122702					1	1	28.26	High	0.0714	3.089832306	High	0.1359	Yes;Yes
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S496	1.1	2.18	ETQsPEQVK	1	3	4	0	2ヂTMT6plex [N-Term; K9]; 1ヂPhospho [S4(100)]	S4(Phospho): 99.32	T(2): 0.7; S(4): 99.3	TVKKETQsPEQVKSE	S4;	High	1583.808225	0.31	2.8	0.5	8.6	2	2	28.24	High	0.3214	3.842922211	High	0.1068	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1463	0.74	0.67	HSLSGSsPGMK	1	1	4	0	2ヂTMT6plex [N-Term; K11]; 1ヂOxidation [M10(100)]; 1ヂPhospho [S7(98.3)]	S7(Phospho): 98.31; M10(Oxidation): 100	S(2): 0.0; S(4): 0.0; S(6): 1.7; S(7): 98.3	RHSLSGSsPGMKDIP	S7;	High	1641.807179					1	1	28.24	High	0.0357	3.534848928	High	0.0425	Yes
NP_009134.1	445815	6005709	PALM2-AKAP2	PALM2-AKAP2 protein isoform 1 [Homo sapiens]	S366	3.53	4.88	TNGHsPSQPR	1	5	5	0	1ヂTMT6plex [N-Term]; 1ヂPhospho [S5(100)]	S5(Phospho): 100	T(1): 0.0; S(5): 100.0; S(7): 0.0	AERTNGHsPSQPRDA	S5;	High	1389.647358	1	0.14	5	1	2	2	28.21	High	0.2143	3.305904388	High	0.1541	No
NP_008832.2	4649	156119615	MYO9A	unconventional myosin-IXa [Homo sapiens]	S1299	0.91	0.79	SLGGIsPSEDR	1	1	2	0	1ヂTMT6plex [N-Term]; 1ヂPhospho [S6(100)]	S6(Phospho): 99.99	S(1): 0.0; S(6): 100.0; S(8): 0.0	VRSLGGIsPSEDRRW	S6;	High	1426.677655					1	1	28.21	High	0.4286	2.605890751	High	0.1226	Yes
NP_659492.1	147339	21450814	C18orf25	uncharacterized protein C18orf25 isoform a [Homo sapiens]	S66	1.43	1.49	RDsSESQLASTESDKPTTGR	1	2	2	1	2ヂTMT6plex [N-Term; K15]; 1ヂPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(4): 0.0; S(6): 0.0; S(10): 0.0; T(11): 0.0; S(13): 0.0; T(17): 0.0; T(18): 0.0	LMELRRDsSESQLAS	S3;	High	2690.303453					1	1	28.19	High	0.2857	6.715903282	High	0.0982	Yes
NP_006028.2	9759	153085395	HDAC4	histone deacetylase 4 [Homo sapiens]	S565	0.49	0.71	QEPIEsDEEEAEPPREVEPGQR	1	1	2	1	1ヂTMT6plex [N-Term]; 1ヂPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	VKQEPIEsDEEEAEP	S6;	High	2859.288307					1	1	28.18	High	1	5.386099815	High	0.6048	Yes
NP_003038.2	6548	27777632	SLC9A1	sodium/hydrogen exchanger 1 [Homo sapiens]	S796	0.96	4.21	CLsDPGPHPEPGEGEPFFPK	1	1	3	0	2ヂTMT6plex [N-Term; K20]; 1ヂCarbamidomethyl [C1]; 1ヂPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	QRIQRCLsDPGPHPE	S3;	High	2732.283175	14.16	4.29	19.4	25.9	2	2	28.18	High	1	5.369921207	High	0.5885	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5782	0.5	2.16	SNsFSDER	1	1	3	0	1ヂTMT6plex [N-Term]; 1ヂPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(5): 0.0	KPRHRSNsFSDEREF	S3;	High	1250.525178					1	1	28.18	High	0.4643	2.960594177	High	0.027	Yes
NP_005535.1	3667	5031805	IRS1	insulin receptor substrate 1 [Homo sapiens]	S348	1.15	0.55	ASSDGEGTMSRPASVDGSPVsPSTNR	1	1	2	0	1ヂTMT6plex [N-Term]; 1ヂOxidation [M9(100)]; 1ヂPhospho [S21(99.9)]	M9(Oxidation): 100; S21(Phospho): 99.89	S(2): 0.0; S(3): 0.0; T(8): 0.0; S(10): 0.0; S(14): 0.0; S(18): 0.1; S(21): 99.9; S(23): 0.0; T(24): 0.0	SVDGSPVsPSTNRTH	S21;	High	2874.277425					1	1	28.17	High	0.25	3.066773653	High	0.0847	Yes
NP_002102.4	3064	90903231	HTT	huntingtin [Homo sapiens]	S1866	0.62	1	HSLsSTK	1	1	2	0	2ヂTMT6plex [N-Term; K7]; 1ヂPhospho [S4(100)]	S4(Phospho): 99.99	S(2): 0.0; S(4): 100.0; S(5): 0.0; T(6): 0.0	TPKRHSLsSTKLLSP	S4;	High	1297.691738					1	1	28.17	High	0.3929	2.940547228	High	0.1429	No
NP_061897.1	54497	55749742	HEATR5B	HEAT repeat-containing protein 5B [Homo sapiens]	S1737	0.75	0.58	VSDsPSHIATK	1	1	5	0	2ヂTMT6plex [N-Term; K11]; 1ヂPhospho [S4(99.1)]	S4(Phospho): 99.06	S(2): 0.9; S(4): 99.1; S(6): 0.0; T(10): 0.0	LSTKVSDsPSHIATK	S4;	High	1679.876973	3.29	1.82	3.5	1.5	2	2	28.16	High	0.0714	4.409379959	High	0.0295	Yes
NP_005697.2	10078	21071006	TSSC4	protein TSSC4 isoform a [Homo sapiens]	S319	4.13	0.64	NKsSSPEDPGAEV	1	2	3	1	2ヂTMT6plex [N-Term; K2]; 1ヂPhospho [S5(100)]	S3(Phospho): 98.04	S(3): 98.0; S(4): 1.0; S(5): 1.0	RDHFRNKsSSPEDPG	S3;	High	1854.88866					1	1	28.16	High	0.3214	3.385619879	High	0.0442	Yes
NP_003820.2	8777	148746189	MPDZ	multiple PDZ domain protein isoform 1 [Homo sapiens]	S1595	1.62	1.23	NSSQSLMVPQSGsPEPESIR	1	3	4	0	1ヂTMT6plex [N-Term]; 1ヂOxidation [M7(100)]; 1ヂPhospho [S13(99.9)]	M7(Oxidation): 100; S13(Phospho): 99.94	S(2): 0.0; S(3): 0.0; S(5): 0.0; S(11): 0.1; S(13): 99.9; S(18): 0.0	LMVPQSGsPEPESIR	S13;	High	2455.13735					1	1	28.14	High	0.0357	4.033726692	High	0.0471	Yes
NP_000098.1	1643	4557515	DDB2	DNA damage-binding protein 2 [Homo sapiens]	S24; S26	1	0.96	sRsPLELEPEAK	1	2	2	1	2ヂTMT6plex [N-Term; K12]; 2ヂPhospho [S1(100); S3(100)]	S1(Phospho): 100; S3(Phospho): 100	S(1): 100.0; S(3): 100.0	LRPRNKRsRSPLELE;PRNKRSRsPLELEPE	S1; S3;	High	1973.975046					1	1	28.14	High	0.6786	3.693805695	High	0.5095	Yes;Yes
NP_006188.3	5108	134142826	PCM1	pericentriolar material 1 protein [Homo sapiens]	S65; S68	0.45	1.2	VTNDIsPEsSPGVGR	1	1	8	0	1ヂTMT6plex [N-Term]; 2ヂPhospho [S6(100); S/T]	S6(Phospho): 100; S9(Phospho): 98.54	T(2): 0.0; S(6): 100.0; S(9): 98.5; S(10): 1.5	KRVTNDIsPESSPGV;TNDISPEsSPGVGRR	S6; S9;	High	1903.84012	116.23	3.81	112.5	7.9	3	3	28.14	High	0.1786	3.684129715	High	0.2038	Yes;Yes
NP_055799.2	22994	111955084	CEP131	centrosomal protein of 131 kDa isoform a [Homo sapiens]	S78	1.36	1.19	RSNsTTQVSQPR	1	2	2	1	1ヂTMT6plex [N-Term]; 1ヂPhospho [S4(100)]	S4(Phospho): 99.99	S(2): 0.0; S(4): 100.0; T(5): 0.0; T(6): 0.0; S(9): 0.0	NNLRRSNsTTQVSQP	S4;	High	1669.822028					1	1	28.14	High	0.25	3.561793566	High	0.1404	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S414	1.35	0.79	TRHsPTPQQSNR	1	3	4	1	1ヂTMT6plex [N-Term]; 1ヂDeamidated [Q/N]; 1ヂPhospho [S4(100)]	S4(Phospho): 100; Q8(Deamidated): 50; Q9(Deamidated): 50	T(1): 0.0; S(4): 100.0; T(6): 0.0; S(10): 0.0	PPPKTRHsPTPQQSN	S4;	High	1718.817277					1	1	28.14	High	0.1786	2.917722702	High	0.0719	Yes
NP_073733.1	64837	12383062	KLC2	kinesin light chain 2 isoform 1 [Homo sapiens]	S582	1.62	2.44	ASsLNFLNK	1	2	3	0	2ヂTMT6plex [N-Term; K9]; 1ヂDeamidated [N8(100)]; 1ヂPhospho [S3(100)]	S3(Phospho): 100; N8(Deamidated): 100	S(2): 0.0; S(3): 100.0	PRMKRASsLNFLNKS	S3;	High	1532.812582					1	1	28.12	High	0.4643	3.136240959	High	0.0573	Yes
NP_073609.2	64787	21264616	EPS8L2	epidermal growth factor receptor kinase substrate 8-like protein 2 [Homo sapiens]	S570	1.28	3.85	YWGPAsPTHK	1	1	3	0	2ヂTMT6plex [N-Term; K10]; 1ヂPhospho [S6(99.3)]	S6(Phospho): 100	Y(1): 0.0; S(6): 100.0; T(8): 0.0	QKYWGPAsPTHKLPP	S6;	High	1681.850364	2.15	5.63	3.9	31.4	2	2	28.1	High	0.5714	4.410609245	High	0.1542	Yes
NP_001253968.1	51574	388490152	LARP7	la-related protein 7 isoform 2 [Homo sapiens]	S307	0.65	0.9	RSSsEDAESLAPR	1	2	4	1	1ヂTMT6plex [N-Term]; 1ヂPhospho [S4(98.7)]	S4(Phospho): 98.69	S(2): 0.0; S(3): 1.3; S(4): 98.7; S(9): 0.0	GKRKRSSsEDAESLA	S4;	High	1713.800624					1	1	28.09	High	0.1071	4.102710724	High	0.0244	No
NP_061867.1	54455	62955044	FBXO42	F-box only protein 42 [Homo sapiens]	S488	1.16	0.85	RGsLPDQK	1	1	2	1	2ヂTMT6plex [N-Term; K8]; 1ヂPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	SLAPRRGsLPDQKDL	S3;	High	1438.78195					1	1	28.07	High	0.7143	3.588044643	High	0.4847	Yes
NP_001295076.1	26030	815890885	PLEKHG3	pleckstrin homology domain-containing family G member 3 [Homo sapiens]	S76	0.52	0.48	GPLsPFNSR	1	1	2	0	1ヂTMT6plex [N-Term]; 1ヂPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(8): 0.0	LNVKGPLsPFNSRAA	S4;	High	1283.634668					1	1	28.06	High	0.4643	2.880520821	High	0.2083	Yes
NP_002175.2	3572	28610147	IL6ST	interleukin-6 receptor subunit beta isoform 1 precursor [Homo sapiens]	S667	1.39	0.95	SHIAQWsPHTPPR	1	2	2	0	1ヂTMT6plex [N-Term]; 1ヂPhospho [S7(100)]	S7(Phospho): 100	S(1): 0.0; S(7): 100.0; T(10): 0.0	KSHIAQWsPHTPPRH	S7;	High	1822.895133					1	1	28.04	High	0.5357	4.478749275	High	0.154	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S992; S994	1.04	0.93	QSHSGsIsPYPK	1	1	2	0	2ヂTMT6plex [N-Term; K12]; 2ヂPhospho [S6(100); S8(100)]	S6(Phospho): 100; S8(Phospho): 100	S(2): 0.0; S(4): 0.0; S(6): 100.0; S(8): 100.0; Y(10): 0.0	PRQSHSGsISPYPKV;QSHSGSIsPYPKVKA	S6; S8;	High	1905.891317					1	1	28.04	High	0.0714	4.169809818	High	0.247	Yes;Yes
NP_078873.2	79649	147903302	MAP7D3	MAP7 domain-containing protein 3 isoform 1 [Homo sapiens]	S461	1.15	0.62	TSLEASMEAsPK	1	3	3	0	2ヂTMT6plex [N-Term; K12]; 1ヂOxidation [M7(100)]; 1ヂPhospho [S10(100)]	M7(Oxidation): 100; S10(Phospho): 100	T(1): 0.0; S(2): 0.0; S(6): 0.0; S(10): 100.0	LEASMEAsPKAKARD	S10;	High	1804.880404	0.41	20.43	0.7	18.1	2	2	28.04	High	0.6786	3.2342062	High	0.3096	Yes
NP_073733.1	64837	12383062	KLC2	kinesin light chain 2 isoform 1 [Homo sapiens]	S582	1.29	2.35	RASsLNFLNK	1	2	2	1	2ヂTMT6plex [N-Term; K10]; 1ヂPhospho [S4(99.2)]	S4(Phospho): 99.24	S(3): 0.8; S(4): 99.2	PRMKRASsLNFLNKS	S4;	High	1687.929677					1	1	28.03	High	0.0714	3.081645489	High	0.0552	Yes
NP_005436.1	9126	4885399	SMC3	structural maintenance of chromosomes protein 3 [Homo sapiens]	S1065; S1067	1.11	1.61	KGDVEGsQsQDEGEGSGESER	1	1	2	1	2ヂTMT6plex [N-Term; K]; 2ヂPhospho [S7(100); S9(100)]	S7(Phospho): 100; S9(Phospho): 100	S(7): 100.0; S(9): 100.0; S(16): 0.0; S(19): 0.0	KKGDVEGsQSQDEGE;GDVEGSQsQDEGEGS	S7; S9;	High	2785.160293					1	1	28.02	High	0.75	3.395185947	High	0.4294	Yes;Yes
NP_056986.2	51366	15147337	UBR5	E3 ubiquitin-protein ligase UBR5 isoform 1 [Homo sapiens]	S1549	1.04	1.12	RIsQSQPVR	1	2	4	1	1ヂTMT6plex [N-Term]; 1ヂDeamidated [Q6(100)]; 1ヂPhospho [S3(100)]	S3(Phospho): 100; Q6(Deamidated): 100	S(3): 100.0; S(5): 0.0	NPQQRRIsQSQPVRG	S3;	High	1380.719795					1	1	28.02	High	0.3929	3.319673538	High	0.1295	Yes
NP_116114.1	84811	14249338	BUD13	BUD13 homolog isoform 1 [Homo sapiens]	T159; S163	1.6	1.48	HDtPDPsPLR	1	2	3	0	1ヂTMT6plex [N-Term]; 2ヂPhospho [T3(100); S7(100)]	T3(Phospho): 100; S7(Phospho): 100	T(3): 100.0; S(7): 100.0	PRRARHDtPDPSPLR;RHDTPDPsPLRGARH	T3; S7;	High	1523.649406	2.59	7.06	5.9	14.9	2	2	28.01	High	0.9643	4.453466892	High	0.7281	Yes;Yes
NP_077003.1	79080	13129104	CCDC86	coiled-coil domain-containing protein 86 [Homo sapiens]	S102; S113	1.1	1.39	QQDLHLEsPQRQPEYSPEsPR	1	1	2	1	1ヂTMT6plex [N-Term]; 2ヂPhospho [S8(100); S19(100)]	S8(Phospho): 100; S19(Phospho): 100	S(8): 100.0; Y(15): 0.0; S(16): 0.0; S(19): 100.0	QQDLHLEsPQRQPEY;QPEYSPEsPRCQPKP	S8; S19;	High	2910.302197					1	1	28.01	High	0.3929	4.186480522	High	0.1002	Yes;Yes
NP_945353.1	9138	39777606	ARHGEF1	rho guanine nucleotide exchange factor 1 isoform 1 [Homo sapiens]	S878	0.51	1.61	DGDGVPGGGPLsPAR	1	3	2	0	1ヂTMT6plex [N-Term]; 1ヂPhospho [S12(100)]	S12(Phospho): 100	S(12): 100.0	VPGGGPLsPARTQEI	S12;	High	1660.789331					1	1	28.01	High	0.8571	2.602097034	High	0.5115	No
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S18; T19	0.76	0.38	SGAQASstPLSPTR	1	4	3	0	1ヂTMT6plex [N-Term]; 2ヂPhospho [S7(98.4); T8(98.5)]	S7(Phospho): 98.43; T8(Phospho): 98.46	S(1): 0.0; S(6): 3.1; S(7): 98.4; T(8): 98.5; S(11): 0.0; T(13): 0.0	RSGAQASsTPLSPTR;SGAQASStPLSPTRI	S7; T8;	High	1748.781877					1	1	28	High	0.1071	3.466271877	High	0.0403	Yes;Yes
NP_112199.2	81669	88758580	CCNL2	cyclin-L2 isoform A [Homo sapiens]	S369	1.28	1.11	ADsPVNGLPK	1	1	3	0	2ヂTMT6plex [N-Term; K10]; 1ヂPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	AKKAKADsPVNGLPK	S3;	High	1535.823481					1	1	28	High	0.9286	3.167268515	High	0.5457	Yes
NP_006729.4	11214	31563330	AKAP13	A-kinase anchor protein 13 isoform 1 [Homo sapiens]	S1933	0.38	0.64	FLSHsTDSLNK	1	3	2	0	2ヂTMT6plex [N-Term; K11]; 1ヂPhospho [S5(100)]	S5(Phospho): 99.97	S(3): 0.0; S(5): 100.0; T(6): 0.0; S(8): 0.0	TWKFLSHsTDSLNKI	S5;	High	1786.914087					1	1	27.95	High	0.4286	3.255629539	High	0.1196	No
NP_005008.2	5130	31543385	PCYT1A	choline-phosphate cytidylyltransferase A [Homo sapiens]	S315	1.17	0.7	MLQAIsPK	1	4	4	0	2ヂTMT6plex [N-Term; K8]; 1ヂOxidation [M1(100)]; 1ヂPhospho [S6(100)]	M1(Oxidation): 100; S6(Phospho): 100	S(6): 100.0	GRMLQAIsPKQSPSS	S6;	High	1441.78901					1	1	27.94	High	0.8214	3.444818497	High	0.3023	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1711	2.09	1.5	SSGsEGSSPNWLQALK	1	1	5	0	2ヂTMT6plex [N-Term; K16]; 1ヂPhospho [S4(98.7)]	S4(Phospho): 98.69	S(1): 0.0; S(2): 1.3; S(4): 98.7; S(7): 0.0; S(8): 0.0	KPEKSSGsEGSSPNW	S4;	High	2186.089485					1	1	27.92	High	0.1071	4.425421238	High	0.0361	Yes
NP_005372.2	4691	55956788	NCL	nucleolin [Homo sapiens]	S563	1.82	0.77	LELQGPRGsPNAR	1	1	11	1	1ヂTMT6plex [N-Term]; 1ヂDeamidated [N11(100)]; 1ヂPhospho [S9(100)]	S9(Phospho): 100; N11(Deamidated): 100	S(9): 100.0	ELQGPRGsPNARSQP	S9;	High	1704.863165	3.58	15.7	20.8	39.4	10	10	27.92	High	0.75	4.159620762	High	0.3173	Yes
NP_055271.2	27250	21735596	PDCD4	programmed cell death protein 4 isoform 1 [Homo sapiens]	S457	0.68	0.67	FVsEGDGGR	1	3	9	0	1ヂTMT6plex [N-Term]; 1ヂPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	RGRKRFVsEGDGGRL	S3;	High	1232.550998	2.55	22.6	3.9	34.8	5	5	27.92	High	1	3.088373184	High	0.6117	Yes
NP_075388.2	65117	38146107	RSRC2	arginine/serine-rich coiled-coil protein 2 [Homo sapiens]	S104	1.03	0.75	LNsSENGEDR	1	1	3	0	1ヂTMT6plex [N-Term]; 1ヂDeamidated [N6(100)]; 1ヂPhospho [S3(100)]	S3(Phospho): 99.99; N6(Deamidated): 100	S(3): 100.0; S(4): 0.0	KGRERLNsSENGEDR	S3;	High	1430.599799					1	1	27.92	High	0.3214	3.08562851	High	0.0874	Yes
NP_001004125.1	286319	51944974	TUSC1	tumor suppressor candidate gene 1 protein [Homo sapiens]	S153	1.19	1.82	DSGREDEPGsPR	1	1	4	1	1ヂTMT6plex [N-Term]; 1ヂPhospho [S10(100)]	S10(Phospho): 100	S(2): 0.0; S(10): 100.0	GREDEPGsPRALRAR	S10;	High	1610.70091	10.03	0.19	20.8	0.6	3	3	27.91	High	0.5	3.24192071	High	0.4846	Yes
NP_060439.2	55677	217330641	IWS1	protein IWS1 homolog [Homo sapiens]	S511; S513	1.52	1.71	EAEDsDsDDNIKR	1	1	2	1	2ヂTMT6plex [N-Term; K12]; 2ヂPhospho [S5(100); S7(100)]	S5(Phospho): 100; S7(Phospho): 100	S(5): 100.0; S(7): 100.0	QVKEAEDsDSDDNIK;KEAEDSDsDDNIKRG	S5; S7;	High	2111.893561					1	1	27.91	High	0.9643	2.811979771	High	0.6335	Yes;Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S783	0.92	1.27	RSLSGSsPCPK	1	1	2	1	2ヂTMT6plex [N-Term; K11]; 1ヂCarbamidomethyl [C9]; 2ヂPhospho [S6(100); S7(100)]	S2(Phospho): 50.01; S6(Phospho): 49.99; S7(Phospho): 99.98	S(2): 50.0; S(4): 0.0; S(6): 50.0; S(7): 100.0	RRSLSGSsPCPKQKS	S7;	High	1793.842258					1	1	27.9	High	0.3214	3.527130842	High	0.1416	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_055885.3	23091	116008442	ZC3H13	zinc finger CCCH domain-containing protein 13 [Homo sapiens]	S1279	0.57	2.92	RSsPESDR	1	1	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99	S(2): 0.0; S(3): 100.0; S(6): 0.0	SHSSRRSsPESDRQV	S3;	High	1242.567711					1	1	27.9	High	0.2857	3.212756157	High	0.0623	Yes
NP_115599.2	399909	157743252	PCNXL3	pecanex-like protein 3 [Homo sapiens]	S246	1.06	1.3	GSLsQELSK	1	1	2	0	2ﾗTMT6plex [N-Term; K9]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(2): 0.0; S(4): 100.0; S(8): 0.0	PLLKGSLsQELSKSF	S4;	High	1486.791846					1	1	27.9	High	0.75	2.864198685	High	0.2448	Yes
NP_116265.1	84962	14249622	AJUBA	LIM domain-containing protein ajuba isoform 1 [Homo sapiens]	S119	0.95	2.11	LEPTAPALsPR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S9(98.9)]	S9(Phospho): 98.87	T(4): 1.1; S(9): 98.9	EPTAPALsPRSSFAS	S9;	High	1460.771162					1	1	27.9	High	0.5	2.755226851	High	0.2862	Yes
NP_057306.2	51428	21071032	DDX41	probable ATP-dependent RNA helicase DDX41 [Homo sapiens]	S23	0.82	2.82	TDEVPAGGSRsEAEDEDD EDYVPYVPLR	1	1	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(98.3)]	S11(Phospho): 98.29	T(1): 0.0; S(9): 1.7; S(11): 98.3; Y(21): 0.0; Y(24): 0.0	VPAGGSRsEAEDEDD	S11;	High	3419.50015					1	1	27.88	High	0.0357	3.32030797	High	0.0361	Yes
NP_510880.2	399687	28416946	MYO18A	unconventional myosin-XVIIIa isoform a [Homo sapiens]	S1998	0.71	0.48	AAsDDGSLK	1	2	2	0	2ﾗTMT6plex [N-Term; K9]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(7): 0.0	KGPSKAAsDDGSLKS	S3;	High	1401.702697					1	1	27.88	High	0.5357	3.043485165	High	0.3125	Yes
NP_003135.2	6745	169404009	SSR1	translocon-associated protein subunit alpha isoform 1 precursor [Homo sapiens]	S281	0.86	1.67	sVGSDE	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(4): 0.0	RKRAQKRsVGSDE_	S1;	High	902.3705745					1	1	27.87	High	0.8214	2.90030241	High	0.2931	Yes
NP_001269058.1	85464	530788323	SSH2	protein phosphatase Slingshot homolog 2 isoform 1 [Homo sapiens]	S1286	0.46	0.68	RSAsLAK	1	2	2	1	2ﾗTMT6plex [N-Term; K7]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(2): 0.0; S(4): 100.0	SQMRRSAsLAKLGYL	S4;	High	1270.728458					1	1	27.87	High	0.6429	2.823173761	High	0.2589	No
NP_001265319.1	81539	508083059	SLC38A1	sodium-coupled neutral amino acid transporter 1 isoform 2 [Homo sapiens]	S52; S56	0.85	1.38	sLTNsHLEK	1	2	2	0	2ﾗTMT6plex [N-Term; K9]; 2ﾗPhospho [S1(100); S5(100)]	S1(Phospho): 99.99; S5(Phospho): 100	S(1): 100.0; T(3): 0.0; S(5): 100.0	SDRESRRsLTNSHLE;SRR SLTNsHLEKKKC	S1; S5;	High	1646.795625					1	1	27.85	High	0.5357	3.814907789	High	0.0656	Yes;Yes
NP_060537.3	55700	78042577	MAP7D1	MAP7 domain-containing protein 1 isoform 1 [Homo sapiens]	S742	1.47	0.51	EANANGSsPEPVKAVEAR	1	3	5	1	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S8(100)]	S8(Phospho): 99.98	S(7): 0.0; S(8): 100.0	EANANGSsPEPVKAV	S8;	High	2364.196075	16.52	5.93	35.3	4.3	2	2	27.84	High	0.2143	4.409331799	High	0.0068	Yes
NP_597709.2	125950	123173757	RAVER1	ribonucleoprotein PTB-binding 1 [Homo sapiens]	S584	1.42	1.96	LLsPLSSAR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; S(7): 0.0	QLKSRLLsPLSSARL	S3;	High	1252.68637					1	1	27.84	High	0.5	2.963948011	High	0.1115	No
NP_001158136.1	375449	257467648	MAST4	microtubule-associated serine/threonine-protein kinase 4 isoform c [Homo sapiens]	S2442	0.96	1.18	SPsATGQSSFR	1	5	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(99.3)]	S3(Phospho): 99.32	S(1): 0.7; S(3): 99.3; T(5): 0.0; S(8): 0.0; S(9): 0.0	NGMKRSPsATGQSSF	S3;	High	1433.66234					1	1	27.84	High	0.1786	2.776716232	High	0.1906	No
NP_689618.4	133746	289547556	JMY	junction-mediating and -regulatory protein [Homo sapiens]	S115	1.62	0.7	RSSAWAEGGsPR	1	1	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	S(2): 0.0; S(3): 0.0; S(10): 100.0	SAWAEGGsPRSTRSL	S10;	High	1569.737236					1	1	27.83	High	0.9643	4.252785206	High	0.64	Yes
NP_057562.3	51530	66348045	ZC3HC1	nuclear-interacting partner of ALK isoform 1 [Homo sapiens]	S335; S344	0.76	1.35	SQDATFsPGSEQAEKsPGP IVSR	1	2	3	1	2ﾗTMT6plex [N-Term; K15]; 2ﾗPhospho [S7(97.2); S16(100)]	S7(Phospho): 97.25; S16(Phospho): 100	S(1): 0.0; T(5): 2.7; S(7): 97.3; S(10): 0.1; S(16): 100.0; S(22): 0.0	RSQDATFsPGSEQAE;GS EQAEKsPGPIVSR	S7; S16;	High	2993.405883					1	1	27.83	High	0.1429	3.09835124	High	0.0161	Yes;Yes
NP_001269900.1	9788	545479030	MTSS1	metastasis suppressor protein 1 isoform 1 [Homo sapiens]	T262; S266	1.27	0.8	GSDYSWSYQtPPSsPSTTM SR	1	3	4	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M19(100)]; 2ﾗPhospho [T10(99.8); S14(99.4)]	T10(Phospho): 99.82; S14(Phospho): 99.45; M19(Oxidation): 100	S(2): 0.0; Y(4): 0.0; S(5): 0.0; S(7): 0.2; Y(8): 0.0; T(10): 99.8; S(13): 0.2; S(14): 99.5; S(16): 0.2; T(17): 0.2; T(18): 0.0; S(20): 0.0	DYSWSYQtPPSSPST;SYQ TPPSsPSTTMSR	T10; S14;	High	2727.088425					1	1	27.8	High	0.25	4.098170757	High	0.0463	No;No
NP_001231931.1	4782	350529396	NFIC	nuclear factor 1 C-type isoform 1 [Homo sapiens]	S339	1.07	0.61	TEMDKSPFNSPsPQDSPR	1	5	4	1	2ﾗTMT6plex [N-Term; K5]; 1ﾗOxidation [M3(100)]; 1ﾗPhospho [S6(100)]	M3(Oxidation): 100; S12(Phospho): 97.85	T(1): 0.0; S(6): 0.0; S(10): 2.1; S(12): 97.9; S(16): 0.1	KSPFNSPsPQDSPRL	S12;	High	2574.194754	2.38	9.81	3.6	8.5	2	2	27.79	High	0.3571	3.410470009	High	0.0792	Yes
NP_115812.1	283489	41281612	CHAMP1	chromosome alignment-maintaining phosphoprotein 1 [Homo sapiens]	S542	1.4	1.09	TAPPAsPEAR	1	1	8	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	T(1): 0.0; S(6): 100.0	AKTAPPAsPEARKRA	S6;	High	1305.640148	6.9	2.4	19.5	5.3	4	4	27.79	High	0.6071	3.131771326	High	0.3514	Yes
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S177	1.17	1.77	KAEGEPQEEsPLK	1	4	2	1	3ﾗTMT6plex [N-Term; K13; K]; 1ﾗDeamidated [Q7(100)]; 1ﾗPhospho [S10(100)]	Q7(Deamidated): 100; S10(Phospho): 100	S(10): 100.0	EGEPQEEsPLKSKSQ	S10;	High	2210.156057					1	1	27.77	High	1	3.898163795	High	0.6179	Yes
NP_001005731.1	3691	54607033	ITGB4	integrin beta-4 isoform 3 precursor [Homo sapiens]	S1364	0.59	0.64	SPSGSQRPsVSDDTEHLVN GR	1	2	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S9(98.8)]	S9(Phospho): 98.79	S(1): 0.0; S(3): 0.0; S(5): 1.2; S(9): 98.8; S(11): 0.0; T(14): 0.0	PSGSQRPsVSDDTEH	S9;	High	2534.183389	59.84	10.21	53.5	9.3	2	2	27.76	High	0.25	5.164576054	High	0.1298	Yes
NP_005111.2	9968	110347429	MED12	mediator of RNA polymerase II transcription subunit 12 [Homo sapiens]	S1258	1.1	0.81	GSGFTVTGGTEELPEEEG GGGsGGRR	1	1	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S22(100)]	S22(Phospho): 100	S(2): 0.0; T(5): 0.0; T(7): 0.0; T(10): 0.0; S(22): 100.0	EEEGGGGsGGRRQGG	S22;	High	2789.257676					1	1	27.75	High	0.8214	5.077483177	High	0.4134	Yes
NP_003165.2	6840	150417971	SVIL	supervillin isoform 1 [Homo sapiens]	S270	0.93	0.64	SPSFGDPQLsPEARPR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q8(100)]; 1ﾗPhospho [S10(100)]	Q8(Deamidated): 100; S10(Phospho): 100	S(1): 0.0; S(3): 0.0; S(10): 100.0	SFGDPQLsPEARPRC	S10;	High	2050.979651					1	1	27.75	High	0.7143	4.506932259	High	0.3814	Yes
NP_057591.2	51755	157817023	CDK12	cyclin-dependent kinase 12 isoform 1 [Homo sapiens]	T692	1.46	1.28	AItPPQQPYK	1	2	2	0	2ﾗTMT6plex [N-Term; K10]; 1ﾗDeamidated [Q6(100)]; 1ﾗPhospho [T3(100)]	T3(Phospho): 100; Q6(Deamidated): 100	T(3): 100.0; Y(9): 0.0	SPEPKAItPPQQPYK	T3;	High	1681.896646					1	1	27.75	High	0.2857	3.578245163	High	0.1397	Yes
NP_001035957.1	4763	109826564	NF1	neurofibromin isoform 1 [Homo sapiens]	S864	2.13	0.84	SNSGLATYsPPMGPVSER	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M12(100)]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100; M12(Oxidation): 100	S(1): 0.0; S(3): 0.0; T(7): 0.0; Y(8): 0.0; S(9): 100.0; S(16): 0.0	NSGLATYsPPMGPVS	S9;	High	2174.999066					1	1	27.75	High	0.1429	2.860630035	High	0.1224	Yes
NP_056100.2	23335	73747877	WDR7	WD repeat-containing protein 7 isoform 1 [Homo sapiens]	S935	0.31	1.28	ARGsPPTSSNIVQGQIK	1	2	2	1	2ﾗTMT6plex [N-Term; K17]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(7): 0.0; S(8): 0.0; S(9): 0.0	DLSKARGsPPTSSNI	S4;	High	2278.232066					1	1	27.74	High	0.1786	3.100067139	High	0.2	Yes
NP_006303.4	9612	331284178	NCOR2	nuclear receptor corepressor 2 isoform 1 [Homo sapiens]	T1383	1.78	2.25	REGtPPPPPPSR	1	3	5	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T4(100)]	T4(Phospho): 100	T(4): 100.0; S(11): 0.0	KLLKREGtPPPPPPS	T4;	High	1596.809673	10.35	0.31	32.7	1.2	3	3	27.73	High	0.9643	3.642534018	High	0.5659	No
NP_116126.3	84823	388240801	LMNB2	lamin-B2 [Homo sapiens]	T34; S37	0.91	0.68	AGGPAtPLsPTR	1	1	2	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [T6(100); S9(100)]	T6(Phospho): 100; S9(Phospho): 99.98	T(6): 100.0; S(9): 100.0; T(11): 0.0	GRAGGPAtPLSPTRL;GGP ATPLsPTRLSRL	T6; S9;	High	1513.701442					1	1	27.73	High	0.0714	3.567095041	High	0.1457	No;No
NP_001070020.2	55902	253970489	ACSS2	acetyl-coenzyme A synthetase, cytoplasmic isoform 2 [Homo sapiens]	S30	1.08	0.85	SWsPPPEVSR	1	2	8	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(9): 0.0	GGRARSWsPPPEVSR	S3;	High	1450.692912	0.67	3.72	1.4	6.3	4	4	27.72	High	0.6071	2.916749716	High	0.0616	Yes
NP_005426.2	7984	50959191	ARHGEF5	rho guanine nucleotide exchange factor 5 [Homo sapiens]	S1044	1.07	1.53	RPsILPEGSSDSR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(9): 0.0; S(10): 0.0; S(12): 0.0	RQGLRRPsILPEGSS	S3;	High	1709.842095					1	1	27.7	High	1	3.46292448	High	0.5578	Yes
NP_001157789.1	2317	256222411	FLNB	filamin-B isoform 1 [Homo sapiens]	S1474	2.65	2.64	ADDTDSQSWRsPLK	1	1	2	1	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	T(4): 0.0; S(6): 0.0; S(8): 0.0; S(11): 100.0	TDSQSWRsPLKALSE	S11;	High	2144.042534					1	1	27.7	High	0.2857	3.215132952	High	0.2081	Yes
NP_054908.2	118	29826321	ADD1	alpha-adducin isoform b [Homo sapiens]	S465	0.85	1	GDEASEEGQNGSsPK	1	5	2	0	2ﾗTMT6plex [N-Term; K15]; 1ﾗDeamidated [N10(100)]; 1ﾗPhospho [S13(98.3)]	N10(Deamidated): 100; S13(Phospho): 98.26	S(5): 0.0; S(12): 1.7; S(13): 98.3	EEGQNGSsPKSKTKV	S13;	High	2030.895596					1	1	27.68	High	0.0714	3.114510298	High	0.0514	No
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1132	1.46	0.45	SGMsPEQSR	1	1	5	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M3(100)]; 1ﾗPhospho [S4(100)]	M3(Oxidation): 100; S4(Phospho): 100	S(1): 0.0; S(4): 100.0; S(8): 0.0	PMLKSGMsPEQSRFQ	S4;	High	1303.555098					1	1	27.68	High	0.3214	2.623088837	High	0.1794	Yes
NP_060110.4	55604	291190781	LRRC16A	leucine-rich repeat-containing protein 16A isoform 1 [Homo sapiens]	S967	0.76	0.55	sSGFISELPSEEGK	1	2	4	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S1(98.9)]	S1(Phospho): 98.88	S(1): 98.9; S(2): 1.1; S(6): 0.0; S(10): 0.0	SLRQEKRsSGFISEL	S1;	High	2004.993125					1	1	27.67	High	0.1071	4.529088497	High	0.0177	Yes
NP_005244.1	2355	4885245	FOSL2	fos-related antigen 2 [Homo sapiens]	S200	0.83	1.15	RsPPAPGLQPMR	1	1	3	1	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M11(100)]; 1ﾗPhospho [S2(100)]	S2(Phospho): 100; M11(Oxidation): 100	S(2): 100.0	ISPEERRsPPAPGLQ	S2;	High	1631.829028	8.51	47.4	10	90.6	2	2	27.67	High	1	3.715924263	High	0.5726	Yes
NP_006266.2	6431	20127499	SRSF6	serine/arginine-rich splicing factor 6 [Homo sapiens]	S303	1.93	0.93	SNsPLPVPPSK	1	1	2	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗDeamidated [N2(100)]; 1ﾗPhospho [S3(100)]	N2(Deamidated): 100; S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(10): 0.0	RSQSRSNsPLPVPPS	S3;	High	1661.891561					1	1	27.67	High	0.3571	2.664064884	High	0.2444	Yes
NP_060760.2	55276	63055049	PGM2	phosphoglucomutase-2 [Homo sapiens]	S165	1.12	0.45	LCAGIMITAsHNPKQDNG YK	1	1	3	1	3ﾗTMT6plex [N-Term; K14; K20]; 1ﾗCarbamidomethyl [C2]; 1ﾗOxidation [M6(100)]; 1ﾗDeamidated [N17(100)]; 1ﾗPhospho [S10(100)]	M6(Oxidation): 100; S10(Phospho): 100; N17(Deamidated): 99.96	T(8): 0.0; S(10): 100.0; Y(19): 0.0	AGIMITAsHNPKQDN	S10;	High	3002.508391					1	1	27.66	High	0.1429	6.149618149	High	0.0309	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5110	1.04	3.31	AEAPLPsPK	1	1	3	0	2ﾗTMT6plex [N-Term; K9]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	KAEAPLPsPKLEGEL	S7;	High	1447.796203					1	1	27.66	High	0.6786	3.203988552	High	0.4625	Yes
NP_002347.5	4082	153070260	MARCKS	myristoylated alanine-rich C-kinase substrate [Homo sapiens]	T150	0.99	0.97	AEDGATPSPSNEtPKK	1	1	3	1	3ﾗTMT6plex [N-Term; K15; K16]; 1ﾗPhospho [T13(100)]	T13(Phospho): 100	T(6): 0.0; S(8): 0.0; S(10): 0.0; T(13): 100.0	TPSPSNEtPKKKKKR	T13;	High	2396.231347					1	1	27.65	High	0.1786	5.02927494	High	0.0716	Yes
NP_003866.1	8833	4504035	GMPS	GMP synthase [glutamine-hydrolyzing] [Homo sapiens]	S332	0.96	0.6	TLNMTTsPEEK	1	1	3	0	2ﾗTMT6plex [N-Term; K11]; 1ﾗOxidation [M4(100)]; 1ﾗPhospho [S7(100)]	M4(Oxidation): 100; S7(Phospho): 100	T(1): 0.0; T(5): 0.0; T(6): 0.0; S(7): 100.0	KTLNMTTsPEEKRKI	S7;	High	1804.880404					1	1	27.65	High	0.0714	3.613826752	High	0.0471	Yes
NP_056169.1	23511	62955803	NUP188	nucleoporin NUP188 homolog [Homo sapiens]	S1523	0.83	0.94	VQRPPsAASAAPSSSK	1	1	2	0	2ﾗTMT6plex [N-Term; K16]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(9): 0.0; S(13): 0.0; S(14): 0.0; S(15): 0.0	QRVQRPPsAASAAPS	S6;	High	2079.09999					1	1	27.64	High	0.6429	3.736202002	High	0.0909	Yes
NP_001258928.1	85440	431822375	DOCK7	dedicator of cytokinesis protein 7 isoform 1 [Homo sapiens]	S180	0.37	8.76	sMSIDDTPR	1	5	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(3): 0.0; T(7): 0.0	QDDLKRRsMSIDDTP	S1;	High	1330.591149					1	1	27.63	High	0.6071	2.565131426	High	0.2023	Yes
NP_005392.2	5784	34328899	PTPN14	tyrosine-protein phosphatase non-receptor type 14 [Homo sapiens]	S593; S594	1.06	0.58	HKYVSGssPDLVTR	1	1	2	1	2ﾗTMT6plex [N-Term; K2]; 2ﾗPhospho [S7(100); S8(100)]	S7(Phospho): 99.96; S8(Phospho): 100	Y(3): 0.0; S(5): 0.0; S(7): 100.0; S(8): 100.0; T(13): 0.0	RHKYVSGsSPDLVTR;HK YVSGSsPDLVTRK	S7; S8;	High	2164.060507					1	1	27.62	High	0.3214	3.761917353	High	0.1064	Yes;Yes
NP_065778.3	49854	50345873	ZBTB21	zinc finger and BTB domain-containing protein 21 isoform L [Homo sapiens]	S411	1.23	2.14	SFsASQSTDR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(5): 0.0; S(7): 0.0; T(8): 0.0	PHRLRSFsASQSTDR	S3;	High	1394.615055					1	1	27.6	High	0.4643	2.702088356	High	0.1444	Yes
NP_055792.1	22985	7662238	ACIN1	apoptotic chromatin condensation inducer in the nucleus isoform 1 [Homo sapiens]	S365	0.81	1.78	TTsPLEEEER	1	3	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99	T(1): 0.0; T(2): 0.0; S(3): 100.0	EKEMKTTsPLEEEER	S3;	High	1499.6828					1	1	27.58	High	0.2857	3.066092014	High	0.0358	Yes
NP_056312.2	25963	31377765	TMEM87A	transmembrane protein 87A isoform 1 precursor [Homo sapiens]	S475	2.07	0.59	FAFSPLsEEEEEDEQKEPM LK	1	2	2	1	3ﾗTMT6plex [N-Term; K16; K21]; 1ﾗOxidation [M19(100)]; 1ﾗPhospho [S7(98.1)]	S7(Phospho): 98.07; M19(Oxidation): 100	S(4): 1.9; S(7): 98.1	RFAFSPLsEEEEEDE	S7;	High	3295.593619					1	1	27.57	High	0.1786	5.099162579	High	0.0961	Yes
NP_002366.2	4134	47519639	MAP4	microtubule-associated protein 4 isoform 1 [Homo sapiens]	T521	0.44	2.71	DVtPPPETEVVLIK	1	2	3	0	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; T(8): 0.0	MALGKDVtPPPETEV	T3;	High	2075.144146					1	1	27.55	High	0.4286	4.717710495	High	0.4237	Yes
NP_006368.3	10497	110611226	UNC13B	protein unc-13 homolog B [Homo sapiens]	S254	1.39	1.08	AIsPTSSSR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(5): 0.0; S(6): 0.0; S(7): 0.0; S(8): 0.0	YPERRAIsPTSSSRY	S3;	High	1214.597949					1	1	27.52	High	0.0357	2.685371399	High	0.1004	Yes
NP_004447.2	2146	21361095	EZH2	histone-lysine N-methyltransferase EZH2 isoform a [Homo sapiens]	T492	1.01	0.69	VKESSIIAPAPAEDVDtPPR	1	5	2	1	2ﾗTMT6plex [N-Term; K2]; 1ﾗPhospho [T17(100)]	T17(Phospho): 100	S(4): 0.0; S(5): 0.0; T(17): 100.0	APAEDVDtPPRKKKR	T17;	High	2630.384269					1	1	27.51	High	0.8929	4.244561195	High	0.7146	No
NP_059128.2	53635	33695090	PTOV1	prostate tumor-overexpressed gene 1 protein isoform 1 [Homo sapiens]	S36	1.47	1.31	SRsWPASPR	1	1	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(7): 0.0	VRAVRSRsWPASPRG	S3;	High	1352.667366					1	1	27.5	High	0.3571	3.635983467	High	0.2115	Yes
NP_004806.3	9411	134304853	ARHGAP29	rho GTPase-activating protein 29 [Homo sapiens]	S1029	0.91	0.93	LLLAsPPNER	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	VDRLLLAsPPNERNG	S5;	High	1418.760597	2.01	14.58	2.6	19.3	2	2	27.5	High	0.5714	2.846857548	High	0.3684	Yes
NP_001099008.1	10514	157694494	MYBBP1A	myb-binding protein 1A isoform 1 [Homo sapiens]	S1267	1.41	1.05	NQKPSQVNGAPGsPTEPA GQK	1	2	2	0	3ﾗTMT6plex [N-Term; K3; K21]; 2ﾗDeamidated [N8(98.3); Q20(100)]; 1ﾗPhospho [S13(100)]	N8(Deamidated): 98.33; S13(Phospho): 100; Q20(Deamidated): 100	S(5): 0.0; S(13): 100.0; T(15): 0.0	QVNGAPGsPTEPAGQ	S13;	High	2861.464929					1	1	27.49	High	0.3704	3.533174038	High	0.119	Yes
NP_006847.1	11016	5802980	ATF7	cyclic AMP-dependent transcription factor ATF-7 isoform 2 [Homo sapiens]	T51; T53	1.25	1.44	TDSVIIADQtPtPTR	1	3	4	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [T10(100); T12(98.4)]	T10(Phospho): 100; T12(Phospho): 98.41	T(1): 0.0; S(3): 0.0; T(10): 100.0; T(12): 98.4; T(14): 1.6	SVIIADQtPTPTRFL;IIADQ TPtPTRFLKN	T10; T12;	High	2003.928935	25.7	13.33	47.9	27.6	2	2	27.49	High	0.037	2.925192595	High	0.2355	Yes;Yes
NP_056342.3	26000	167614488	TBC1D10B	TBC1 domain family member 10B [Homo sapiens]	S678	0.81	0.62	AAGGAPsPPPPVRR	1	1	5	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	RAAGGAPsPPPPVRR	S7;	High	1638.867856	7.51	21.65	12.2	27.1	4	4	27.43	High	0.8148	4.211181641	High	0.5629	Yes
NP_037397.2	738	8393009	VPS51	vacuolar protein sorting-associated protein 51 homolog [Homo sapiens]	S652	0.89	0.9	TFSVYsSSR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	T(1): 0.0; S(3): 0.0; Y(5): 0.0; S(6): 100.0; S(7): 0.0; S(8): 0.0	KRTFSVYsSSRQQGR	S6;	High	1342.624163					1	1	27.43	High	0.3333	2.607597113	High	0.092	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S458	0.35	0.24	NKsNEDQSMGNWQIK	1	6	2	1	3ﾗTMT6plex [N-Term; K2; K15]; 1ﾗOxidation [M9(100)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100; M9(Oxidation): 100	S(3): 100.0; S(8): 0.0	FVRLRNKsNEDQSMG	S3;	High	2562.262664					1	1	27.41	High	0.4815	4.152780056	High	0.1446	Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S45	0.98	0.4	TAsLGGGSRLEK	1	1	3	1	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; S(8): 0.0	NGYAKTAsLGGGSRL	S3;	High	1713.930071	0.98	19.62	1.4	11.2	2	2	27.39	High	0.6667	3.066695929	High	0.2866	No
NP_001005731.1	3691	54607033	ITGB4	integrin beta-4 isoform 3 precursor [Homo sapiens]	S1384	1.89	0.91	MDFAFPGsTNSLHR	1	3	8	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M1(100)]; 2ﾗPhospho [S8(99); T/S]	M1(Oxidation): 100; S8(Phospho): 98.98; T9(Phospho): 50.51; S11(Phospho): 50.51	S(8): 99.0; T(9): 50.5; S(11): 50.5	MDFAFPGsTNSLHRM	S8;	High	1984.822696	19.9	29.3	57.1	39.2	2	2	27.38	High	0.037	3.767325878	High	0.0212	No

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	S349; S352	1.38	1.18	GSLAsLDsLRK	1	15	3	1	2ﾃTMT6plex [N-Term; K11]; 2ﾃPhospho [S5(100); S8(100)]	S5(Phospho): 100; S8(Phospho): 100	S(2): 0.0; S(5): 100.0; S(8): 100.0	HERGSLAsLDSLRKG;GSLASLDsLRKGGPP	S5; S8;	High	1764.906238	0.17	4.71	0.3	7.9	2	2	27.37	High	0.963	3.861417055	High	0.614	Yes;Yes
NP_055681.1	9919	124378039	SEC16A	protein transport protein Sec16A isoform 1 [Homo sapiens]	S1069	1.81	0.95	AQQELVPPQQQAsPPQLPK	1	2	2	0	2ﾃTMT6plex [N-Term; K19]; 1ﾃPhospho [S13(100)]	S13(Phospho): 100	S(13): 100.0	VPPQQQAsPPQLPKA	S13;	High	2622.405674					1	1	27.37	High	0.9259	3.10652256	High	0.6045	Yes
NP_057562.3	51530	66348045	ZC3HC1	nuclear-interacting partner of ALK isoform 1 [Homo sapiens]	S344	1.25	1.17	SQDATFSPGSEQAEKsPGPIVSR	1	2	3	1	2ﾃTMT6plex [N-Term; K15]; 1ﾃDeamidated [Q2(100)]; 1ﾃPhospho [S16(100)]	Q2(Deamidated): 100; S16(Phospho): 100	S(1): 0.0; T(5): 0.0; S(7): 0.0; S(10): 0.0; S(16): 100.0; S(22): 0.0	GSEQAEKsPGPIVSR	S16;	High	2914.423568	16.04	3.35	29	5.5	2	2	27.34	High	0.5185	4.543317318	High	0.1322	Yes
NP_733793.2	9462	226958575	RASAL2	ras GTPase-activating protein nGAP isoform 2 [Homo sapiens]	S880	2.01	1.01	LTGSQLsITQVASIK	1	2	2	0	2ﾃTMT6plex [N-Term; K15]; 2ﾃPhospho [S7(100); T/S]	T2(Phospho): 50; S4(Phospho): 50; S7(Phospho): 100	T(2): 50.0; S(4): 50.0; S(7): 100.0; T(9): 0.0; S(13): 0.0	RLTGSQLsITQVASI	S7;	High	2164.143174					1	1	27.33	High	0.0741	4.44217968	High	0.2725	No
NP_003038.2	6548	27777632	SLC9A1	sodium/hydrogen exchanger 1 [Homo sapiens]	S703	0.09	3.45	IGsDPLAYEPK	1	1	3	0	2ﾃTMT6plex [N-Term; K11]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; Y(8): 0.0	MSRARIGsDPLAYEP	S3;	High	1727.902125					1	1	27.31	High	0.9259	4.967338085	High	0.5372	Yes
NP_055852.2	23053	122114658	ZSWIM8	zinc finger SWIM domain-containing protein 8 isoform 1 [Homo sapiens]	S48; S53	1.01	0.83	KQsAGPNsPTGGGGGGGSGGTR	1	3	2	1	2ﾃTMT6plex [N-Term; K]; 2ﾃPhospho [S3(100); S8(100)]	S3(Phospho): 100; S8(Phospho): 100	S(3): 100.0; S(8): 100.0; T(10): 0.0; S(18): 0.0; T(21): 0.0	WRGWRKQsAGPNSPT;KQSAGPNsPTGGGGG	S3; S8;	High	2462.122666					1	1	27.31	High	0.3333	3.610183954	High	0.6177	Yes;Yes
NP_803193.2	8496	312032469	PPFIBP1	liprin-beta-1 isoform 2 [Homo sapiens]	S579	0.8	0.61	NSPFQIPPPsPDSK	1	4	4	0	2ﾃTMT6plex [N-Term; K14]; 1ﾃPhospho [S10(100)]	S10(Phospho): 100	S(2): 0.0; S(10): 100.0; S(13): 0.0	PFQIPPPsPDSKKKS	S10;	High	2049.045829	12.86	22.16	14.6	19.4	2	2	27.3	High	0.2593	4.27644825	High	0.1308	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1620; S1621	0.89	0.92	VPssDEEVVEEPQSR	1	1	2	0	1ﾃTMT6plex [N-Term]; 2ﾃPhospho [S3(100); S4(100)]	S3(Phospho): 100; S4(Phospho): 100	S(3): 100.0; S(4): 100.0; S(14): 0.0	PRASRVPsSDEEVVE;RASRVPSsDEEVVEE	S3; S4;	High	2075.877293					1	1	27.3	High	0.8889	3.993949652	High	0.5789	Yes;Yes
NP_073605.4	64783	47933339	RBM15	putative RNA-binding protein 15 isoform 1 [Homo sapiens]	S109	1.29	1	GGsREYDTGGGSSSSR	1	2	2	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; Y(6): 0.0; T(8): 0.0; S(12): 0.0; S(13): 0.0; S(14): 0.0; S(15): 0.0	KSSSRGGsREYDTGG	S3;	High	1868.797329					1	1	27.27	High	0.9259	4.115952492	High	0.1796	Yes
NP_037524.1	29959	7019333	NRBP1	nuclear receptor-binding protein [Homo sapiens]	T433	0.69	1.07	TPtPEPAEVETR	1	1	3	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [T3(100)]	T3(Phospho): 100	T(1): 0.0; T(3): 100.0; T(11): 0.0	PPSVKTPtPEPAEVE	T3;	High	1635.782849	43.42	17.89	44.3	27.7	2	2	27.27	High	0.1852	3.388277769	High	0.1062	Yes
NP_065947.1	114879	14149740	OSBPL5	oxysterol-binding protein-related protein 5 isoform a [Homo sapiens]	S747	1.27	0.96	QTTFLGsPGPR	1	2	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S7(100)]	S7(Phospho): 100	T(2): 0.0; T(3): 0.0; S(7): 100.0	RQTTFLGsPGPRHER	S7;	High	1469.735111					1	1	27.27	High	0.7037	3.152393818	High	0.3333	Yes
NP_002304.3	3983	51173711	ABLIM1	actin-binding LIM protein 1 isoform a [Homo sapiens]	S655	0.62	1.05	TAsLPGYGR	1	4	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S3(100)]	S3(Phospho): 99.99	T(1): 0.0; S(3): 100.0; Y(7): 0.0	IPSSKTAsLPGYGRN	S3;	High	1230.608119					1	1	27.25	High	0.4074	2.645091057	High	0.2566	Yes
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	T244	1.46	0.31	AKGSEtPGATPGSK	1	1	2	1	3ﾃTMT6plex [N-Term; K2; K14]; 1ﾃPhospho [T6(100)]	T6(Phospho): 99.99	S(4): 0.0; T(6): 100.0; T(10): 0.0; S(13): 0.0	GRAKGSEtPGATPGS	T6;	High	2055.109047					1	1	27.21	High	0.3333	3.429766178	High	0.105	Yes
NP_036595.2	23545	42741679	ATP6V0A2	V-type proton ATPase 116 kDa subunit a isoform 2 [Homo sapiens]	S695	0.95	1.18	KDsEEEVSLLGSQDIEEGNHQVEDGCR	1	1	2	1	2ﾃTMT6plex [N-Term; K]; 1ﾃCarbamidomethyl [C26]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(8): 0.0; S(12): 0.0	YTLIRKDsEEEVSLL	S3;	High	3597.641635					1	1	27.18	High	0.5556	5.634685516	High	0.2149	Yes
NP_001138505.1	387763	222537761	C11orf96	uncharacterized protein C11orf96 [Homo sapiens]	S93	2.93	2.63	sTQSLSLQR	1	1	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S1(100)]	S1(Phospho): 99.99	S(1): 100.0; T(2): 0.0; S(4): 0.0; S(6): 0.0	SLECLRRsTQSLSLQ	S1;	High	1328.677261					1	1	27.17	High	0.1481	2.912033319	High	0.1718	No
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5031	0.49	43.41	IHMsGPK	1	1	2	0	2ﾃTMT6plex [N-Term; K7]; 1ﾃPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	KMPKIHMsGPKIKAK	S4;	High	1307.694715					1	1	27.16	High	1	3.074812174	High	0.557	Yes
NP_001104026.1	2316	160420317	FLNA	filamin-A isoform 2 [Homo sapiens]	S1835	0.94	0.41	YAPsEAGLHEMDIR	1	2	2	0	1ﾃTMT6plex [N-Term]; 1ﾃOxidation [M11(100)]; 1ﾃPhospho [S4(100)]	S4(Phospho): 100; M11(Oxidation): 100	Y(1): 0.0; S(4): 100.0	VTVRYAPsEAGLHEM	S4;	High	1913.866595					1	1	27.15	High	0.7407	3.784409285	High	0.1005	Yes
NP_653283.3	146857	56119108	SLFN13	schlafen family member 13 [Homo sapiens]	S170	1.27	1.82	YNLINEGsPPSK	1	1	2	0	2ﾃTMT6plex [N-Term; K12]; 1ﾃPhospho [S8(100)]	S8(Phospho): 100	Y(1): 0.0; S(8): 100.0; S(11): 0.0	YNLINEGsPPSKIMK	S8;	High	1856.955951					1	1	27.15	High	0.8148	3.473245144	High	0.3084	No
NP_001171669.1	2017	296080746	CTTN	src substrate cortactin isoform c [Homo sapiens]	T364; S368	0.91	2.33	AKTQtPPVsPAPQPTEER	1	3	3	1	2ﾃTMT6plex [N-Term; K2]; 1ﾃDeamidated [Q13(100)]; 2ﾃPhospho [T5(100); S9(100)]	T5(Phospho): 99.97; S9(Phospho): 100; Q13(Deamidated): 100	T(3): 0.0; T(5): 100.0; S(9): 100.0; T(15): 0.0	QARAKTQtPPVSPAP;KTQTPPVsPAPQPTE	T5; S9;	High	2553.240322					1	1	27.12	High	0.6296	4.284409523	High	0.257	Yes;Yes
NP_001092879.1	254102	150378549	EHBP1L1	EH domain-binding protein 1-like protein 1 [Homo sapiens]	S1257	0.82	1.13	RPsVNGEPGSVPPPR	1	1	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(10): 0.0	GVRLRRPsVNGEPGS	S3;	High	1854.942477					1	1	27.1	High	0.9259	4.289831161	High	0.5175	Yes
NP_061329.3	55970	51036603	GNG12	guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12 precursor [Homo sapiens]	S7	1.03	0.71	TAsTNNIAQAR	1	1	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S3(100)]	S3(Phospho): 99.99	T(1): 0.0; S(3): 100.0; T(4): 0.0	_MSSKTAsTNNIAQA	S3;	High	1455.715438					1	1	27.1	High	0.1852	3.645542622	High	0.0822	Yes
NP_872363.1	283149	32698936	BCL9L	B-cell CLL/lymphoma 9-like protein [Homo sapiens]	S21; S25	1.4	1.38	EAPGsPPLsPR	1	1	2	0	1ﾃTMT6plex [N-Term]; 2ﾃPhospho [S5(100); S9(100)]	S5(Phospho): 100; S9(Phospho): 100	S(5): 100.0; S(9): 100.0	RRREAPGsPPLSPRG;APGSPPLsPRGHCPP	S5; S9;	High	1496.674893					1	1	27.09	High	1	3.945541859	High	0.7291	Yes;Yes
NP_056079.1	23313	57863293	KIAA0930	uncharacterized protein KIAA0930 isoform a [Homo sapiens]	T298	0.63	1	VTSFSTPPtPER	1	2	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [T9(100)]	T9(Phospho): 99.99	T(2): 0.0; S(3): 0.0; S(5): 0.0; T(6): 0.0; T(9): 100.0	TSFSTPPtPERNNRP	T9;	High	1627.793019					1	1	27.08	High	0.2593	2.671630621	High	0.2172	No
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S783	0.78	0.71	SLSGSsPCPK	1	1	4	0	2ﾃTMT6plex [N-Term; K10]; 1ﾃCarbamidomethyl [C8]; 1ﾃPhospho [S6(99.4)]	S6(Phospho): 99.41	S(1): 0.0; S(3): 0.0; S(5): 0.6; S(6): 99.4	RRSLSGSsPCPKQKS	S6;	High	1557.774816	17.04	0.41	19	0.4	2	2	27.05	High	0.037	3.148364067	High	0.0508	Yes
NP_001135746.1	23332	214010175	CLASP1	CLIP-associating protein 1 isoform 3 [Homo sapiens]	S572	0.29	0.91	RsPTGSTTSR	1	4	3	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; T(4): 0.0; S(6): 0.0; T(7): 0.0; T(8): 0.0; S(9): 0.0	RPLSAKRsPTGSTTS	S2;	High	1358.662674					1	1	27.02	High	0.1111	3.659670353	High	0.1503	Yes
NP_150241.2	5371	67089149	PML	protein PML isoform 1 [Homo sapiens]	T867	0.9	0.68	AEGVStPLAGR	1	1	4	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [T6(98.9)]	T6(Phospho): 98.93	S(5): 1.1; T(6): 98.9	ARAEGVStPLAGRGL	T6;	High	1366.692912					1	1	27.02	High	0.963	3.575140953	High	0.0223	Yes
NP_057632.2	51280	29550838	GOLM1	Golgi membrane protein 1 [Homo sapiens]	S191	2.9	2.01	DLsENNDQR	1	1	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	AVASRDLsENNDQRQ	S3;	High	1399.605219					1	1	27.02	High	1	2.765670061	High	0.657	No
NP_002365.3	4133	87578396	MAP2	microtubule-associated protein 2 isoform 1 [Homo sapiens]	T1631	0.8	0.36	TPHTPGtPK	1	4	2	0	2ﾃTMT6plex [N-Term; K9]; 1ﾃPhospho [T7(100)]	T7(Phospho): 100	T(1): 0.0; T(4): 0.0; T(7): 100.0	RTPHTPGtPKSAILV	T7;	High	1473.786701					1	1	26.98	High	0.6296	3.85469532	High	0.3377	Yes
NP_038477.2	11176	91176325	BAZ2A	bromodomain adjacent to zinc finger domain protein 2A isoform 1 [Homo sapiens]	S135	1.48	0.79	QPSsPSHNTNLR	1	2	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S4(98.8)]	S4(Phospho): 98.85	S(3): 1.2; S(4): 98.9; S(6): 0.0; T(9): 0.0	GGSRQPSsPSHNTNL	S4;	High	1646.784914					1	1	26.98	High	0.2593	3.283423901	High	0.0671	Yes
NP_060939.3	55852	38679909	TEX2	testis-expressed sequence 2 protein isoform 1 [Homo sapiens]	S196	1.23	1.02	SLsTEVEPK	1	2	5	0	2ﾃTMT6plex [N-Term; K9]; 1ﾃPhospho [S3(99.5)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; T(4): 0.0	MSLVKSLsTEVEPKE	S3;	High	1527.807162	4.76	5.63	8.3	8.2	2	2	26.98	High	0.2222	3.109064102	High	0.0675	Yes
NP_001138678.1	85379	223633988	KIAA1671	uncharacterized protein KIAA1671 [Homo sapiens]	S1488	1.29	0.96	ERPLQQVsPVASVPWR	1	1	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; S(12): 0.0	ERPLQQVsPVASVPW	S8;	High	2158.137154					1	1	26.97	High	0.6296	3.463527679	High	0.1879	Yes
NP_066973.2	23426	223890252	GRIP1	glutamate receptor-interacting protein 1 isoform 1 [Homo sapiens]	S710	0.66	0.83	QTDAQSASsPK	1	2	3	0	2ﾃTMT6plex [N-Term; K11]; 1ﾃPhospho [S9(99.3)]	S9(Phospho): 99.33	T(2): 0.0; S(6): 0.0; S(8): 0.7; S(9): 99.3	TDAQSASsPKKFPIS	S9;	High	1657.819852					1	1	26.96	High	0.1481	4.110392094	High	0.0487	No
NP_001107018.1	51474	165905589	LIMA1	LIM domain and actin-binding protein 1 isoform 1 [Homo sapiens]	S363	1.52	0.99	SEVQQPVHPKPLsPDSR	1	4	7	0	2ﾃTMT6plex [N-Term; K10]; 1ﾃPhospho [S13(100)]	S13(Phospho): 100	S(1): 0.0; S(13): 100.0; S(16): 0.0	PVHPKPLsPDSRASS	S13;	High	2439.279745	3.61	5.63	11	11.1	4	4	26.95	High	0.2222	5.018211842	High	0.0996	Yes
NP_055797.2	22990	126723564	PCNX	pecanex-like protein 1 isoform 1 [Homo sapiens]	S571	1.7	1.37	ASsFDSSR	1	2	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S3(99.3)]	S3(Phospho): 99.28	S(2): 0.7; S(3): 99.3; S(6): 0.0; S(7): 0.0	TGKKRASsFDSSRHR	S3;	High	1165.508799					1	1	26.95	High	0.3333	2.973134518	High	0.0774	No
NP_006654.2	10848	63003907	PPP1R13L	relA-associated inhibitor [Homo sapiens]	S102; S113	1.32	0.52	SEsAPTLHPYSPLsPK	1	1	3	0	2ﾃTMT6plex [N-Term; K16]; 2ﾃPhospho [S3(99.9); S14(100)]	S3(Phospho): 99.94; S14(Phospho): 100	S(1): 0.0; S(3): 99.9; T(6): 0.0; Y(10): 0.0; S(11): 0.0; S(14): 100.0	TPFGRSEsAPTLHPY;LHPYSPLsPKGRPSS	S3; S14;	High	2329.128252					1	1	26.94	High	0.2222	5.623416901	High	0.0409	Yes;Yes
NP_067062.1	58517	55741709	RBM25	RNA-binding protein 25 [Homo sapiens]	S677	1.68	0.72	LGASNsPGQPNSVKR	1	1	4	1	2ﾃTMT6plex [N-Term; K14]; 1ﾃPhospho [S6(100)]	S6(Phospho): 99.99	S(4): 0.0; S(6): 100.0; S(12): 0.0	LKLGASNsPGQPNSV	S6;	High	2050.084674					1	1	26.93	High	0.037	3.920677662	High	0.0714	Yes
NP_055535.2	9748	41281453	SLK	STE20-like serine/threonine-protein kinase isoform 1 [Homo sapiens]	S779	5	3.99	TKDSGsISLQETR	1	2	2	1	2ﾃTMT6plex [N-Term; K2]; 1ﾃPhospho [S6(100)]	S6(Phospho): 100	T(1): 0.0; S(4): 0.0; S(6): 100.0; S(8): 0.0; T(12): 0.0	SKTKDSGsISLQETR	S6;	High	1960.015257					1	1	26.9	High	0.2963	3.49629426	High	0.1029	Yes
NP_005426.2	7984	50959191	ARHGEF5	rho guanine nucleotide exchange factor 5 [Homo sapiens]	S1126	2.31	0.98	LESLSETPGPSsPRQPR	1	2	4	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S12(98.9)]	S12(Phospho): 98.86	S(3): 0.0; S(5): 0.0; T(7): 0.0; S(11): 1.1; S(12): 98.9	SETPGPSsPRQPRKA	S12;	High	2147.069528					1	1	26.87	High	0.6667	3.555232525	High	0.0449	Yes
NP_829884.1	23085	38045898	ERC1	ELKS/Rab6-interacting/CAST family member 1 isoform epsilon [Homo sapiens]	S21	0.8	1.52	VEPSSQSPGRsPR	1	3	4	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S11(100)]	S11(Phospho): 100	S(4): 0.0; S(5): 0.0; S(7): 0.0; S(11): 100.0	SSQSPGRsPRLPRSP	S11;	High	1692.826779	20.47	29.06	23.5	69	2	2	26.86	High	0.3704	4.619142532	High	0.3052	Yes
NP_006603.2	10749	40254834	KIF1C	kinesin-like protein KIF1C [Homo sapiens]	S1033	1.31	1.03	RNsLDGGGR	1	1	3	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	SHHPRRNsLDGGGRS	S3;	High	1240.59968	0.6	2.52	1.1	3.7	2	2	26.86	High	1	3.552668333	High	0.5211	Yes
NP_055869.1	23074	55749644	UHRF1BP1L	UHRF1-binding protein 1-like isoform a [Homo sapiens]	S953	0.86	0.92	SAsDTNLQK	1	1	2	0	2ﾃTMT6plex [N-Term; K9]; 1ﾃDeamidated [Q8(100)]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100; Q8(Deamidated): 100	S(1): 0.0; S(3): 100.0; T(5): 0.0	PLLFKSAsDTNLQKG	S3;	High	1502.750376					1	1	26.86	High	0.3704	2.802063704	High	0.1036	Yes
NP_057733.2	51575	18093112	ESF1	ESF1 homolog [Homo sapiens]	S198	1.26	1.28	TLDSGTSEIVKsPR	1	1	2	1	2ﾃTMT6plex [N-Term; K11]; 1ﾃPhospho [S12(100)]	S12(Phospho): 100	T(1): 0.0; S(4): 0.0; T(6): 0.0; S(7): 0.0; S(12): 100.0	GTSEIVKsPRIECSK	S12;	High	2028.077857					1	1	26.85	High	0.8519	4.438455582	High	0.4572	Yes
NP_004095.4	2194	41872631	FASN	fatty acid synthase [Homo sapiens]	S207	1.17	0.89	LGMLsPEGTCK	1	1	2	0	2ﾃTMT6plex [N-Term; K11]; 1ﾃCarbamidomethyl [C10]; 1ﾃOxidation [M3(100)]; 1ﾃPhospho [S5(100)]	M3(Oxidation): 100; S5(Phospho): 100	S(5): 100.0; T(9): 0.0	FLRLGMLsPEGTCKA	S5;	High	1746.857166					1	1	26.85	High	0.8148	2.918761253	High	0.3733	Yes
NP_037462.1	29922	7019465	NME7	nucleoside diphosphate kinase 7 isoform a [Homo sapiens]	S213	1.31	0.82	NAAHGPDSFAsAAR	1	2	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S11(98.7)]	S11(Phospho): 98.69	S(8): 1.3; S(11): 98.7	HGPDSFAsAAREMEL	S11;	High	1680.769264					1	1	26.83	High	0.2963	3.309078217	High	0.1329	No
NP_000923.1	5331	11386139	PLCB3	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3 isoform 1 [Homo sapiens]	S480	4.49	1.97	HRPSAGGPDsAGR	1	2	4	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S10(100)]	S10(Phospho): 100	S(4): 0.0; S(10): 100.0	PSAGGPDsAGRKRPL	S10;	High	1573.743384	5.94	34.11	39.1	120.7	2	2	26.82	High	1	3.092160463	High	0.4498	Yes
NP_001248337.1	8412	387157906	BCAR3	breast cancer anti-estrogen resistance protein 3 isoform 1 [Homo sapiens]	S290	2.54	0.79	RLsLTMGGVQAR	1	2	2	1	1ﾃTMT6plex [N-Term]; 1ﾃOxidation [M6(100)]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100; M6(Oxidation): 100	S(3): 100.0; T(5): 0.0	PDVAKRLsLTMGGVQ	S3;	High	1613.839593					1	1	26.81	High	0.5185	3.641057491	High	0.1813	Yes
NP_114429.2	83987	199559779	CCDC8	coiled-coil domain-containing protein 8 [Homo sapiens]	S261	0.46	0.99	LGNAGDVCVPQAsPR	1	1	2	0	1ﾃTMT6plex [N-Term]; 1ﾃCarbamidomethyl [C8]; 1ﾃDeamidated [Q11(100)]; 1ﾃPhospho [S13(100)]	Q11(Deamidated): 100; S13(Phospho): 100	S(13): 100.0	DVCVPQAsPRRWRPK	S13;	High	1850.86693					1	1	26.81	High	0.6296	2.897378206	High	0.1103	Yes
NP_060909.1	55364	8923819	IMPACT	protein IMPACT [Homo sapiens]	S297	1.01	0.58	NYTNsPEESSK	1	1	2	0	2ﾃTMT6plex [N-Term; K11]; 1ﾃPhospho [S5(100)]	S5(Phospho): 100	Y(2): 0.0; T(3): 0.0; S(5): 100.0; S(9): 0.0; S(10): 0.0	VEKNYTNsPEESSKA	S5;	High	1793.835896					1	1	26.81	High	0.4815	2.58625412	High	0.2317	Yes
NP_000436.2	5339	47607492	PLEC	plectin isoform 1c [Homo sapiens]	S42	0.79	0.67	sGGGAGSNGSVLDPAER	1	1	3	0	1ﾃTMT6plex [N-Term]; 1ﾃDeamidated [N8(100)]; 1ﾃPhospho [S]	S1(Phospho): 100; N8(Deamidated): 100	S(1): 100.0; S(7): 0.0; S(10): 0.0	KTQRSRRsGGGAGSN	S1;	High	1840.827567					1	1	26.8	High	0.5926	2.856431961	High	0.3042	Yes
NP_004719.2	9188	50659095	DDX21	nucleolar RNA helicase 2 isoform 1 [Homo sapiens]	S89	1.52	1.59	EEPSQNDIsPK	1	2	2	0	2ﾃTMT6plex [N-Term; K11]; 1ﾃPhospho [S9(100)]	S9(Phospho): 100	S(4): 0.0; S(9): 100.0	EPSQNDIsPKTKSLR	S9;	High	1781.872281					1	1	26.79	High	0.7407	4.183666229	High	0.4761	Yes
NP_005392.2	5784	34328899	PTPN14	tyrosine-protein phosphatase non-receptor type 14 [Homo sapiens]	S642	1.41	0.39	RHsLEVMNSMVR	1	1	3	1	1ﾃTMT6plex [N-Term]; 2ﾃOxidation [M7(100); M10(100)]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100; M7(Oxidation): 100; M10(Oxidation): 100	S(3): 100.0; S(9): 0.0	GTVNKRHsLEVMNSM	S3;	High	1799.849506					1	1	26.78	High	1	3.282919168	High	0.4878	Yes
NP_056474.2	26156	118498359	RSL1D1	ribosomal L1 domain-containing protein 1 [Homo sapiens]	S361	1.96	0.89	ATNEsEDEIPQLVPIGK	1	1	3	0	2ﾃTMT6plex [N-Term; K17]; 2ﾃDeamidated [N3(100); Q11(100)]; 1ﾃPhospho [S5(99)]	N3(Deamidated): 100; S5(Phospho): 98.97; Q11(Deamidated): 100	T(2): 1.0; S(5): 99.0	QVKATNEsEDEIPQL	S5;	High	2380.193676					1	1	26.78	High	1	2.842315912	High	0.0387	Yes
NP_075050.3	93973	39812115	ACTR8	actin-related protein 8 [Homo sapiens]	S132	1	1.48	RIPVsPEQAR	1	1	2	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	GTRRIPVsPEQARSY	S5;	High	1461.777644					1	1	26.77	High	0.8889	3.313892603	High	0.5227	Yes
NP_001092741.1	134359	151101311	POC5	centrosomal protein POC5 isoform 1 [Homo sapiens]	S109	0.98	1.54	TDESSPVLsPR	1	2	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S9(100)]	S9(Phospho): 100	T(1): 0.0; S(4): 0.0; S(5): 0.0; S(9): 100.0	DESSPVLsPRKPSHP	S9;	High	1496.71952					1	1	26.76	High	0.6667	2.59334898	High	0.3629	Yes
NP_079110.1	79892	13376243	MCMBP	mini-chromosome maintenance complex-binding protein isoform 1 [Homo sapiens]	S154	0.7	0.93	VsPSTSYTPSR	1	2	3	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; S(4): 0.0; T(5): 0.0; S(6): 0.0; Y(7): 0.0; T(8): 0.0; S(10): 0.0	NANQARVsPSTSYTP	S2;	High	1490.708955	12.52	11.89	12.5	15.7	2	2	26.75	High	0.1481	3.030157089	High	0.1122	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1869	0.32	3.56	SRAsPATHR	1	1	2	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; S(4): 100.0; T(7): 0.0	KRSRSRAsPATHRRS	S4;	High	1291.646964					1	1	26.73	High	0.2593	4.061858177	High	0.1946	Yes
NP_006469.2	10634	19923777	GAS2L1	GAS2-like protein 1 isoform a [Homo sapiens]	S394	0.98	0.76	LTTGTPAsPR	1	1	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S8(100)]	S8(Phospho): 99.99	T(2): 0.0; T(3): 0.0; T(5): 0.0; S(8): 100.0	LTTGTPAsPRRPPAL	S8;	High	1309.671448					1	1	26.72	High	0.3333	2.576469421	High	0.2597	Yes
NP_055535.2	9748	41281453	SLK	STE20-like serine/threonine-protein kinase isoform 1 [Homo sapiens]	S655	0.67	0.97	sVVADTDQK	1	2	2	0	2ﾃTMT6plex [N-Term; K9]; 1ﾃPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(6): 0.0	TEEMEVRsVVADTDQ	S1;	High	1500.771111					1	1	26.71	High	0.8519	3.865694523	High	0.5168	Yes
NP_001163887.1	9414	282165810	TJP2	tight junction protein ZO-2 isoform 3 [Homo sapiens]	S275	0.8	0.78	GRsIDQDYER	1	6	3	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; Y(8): 0.0	RDRSRGRsIDQDYER	S3;	High	1547.705267	11.89	12.45	13.6	13.8	2	2	26.69	High	0.8889	5.00924778	High	0.3892	No
NP_055312.2	27332	21626468	ZNF638	zinc finger protein 638 isoform 1 [Homo sapiens]	S128	1.53	0.98	QSSVTQVTEQsPK	1	2	2	0	2ﾃTMT6plex [N-Term; K13]; 1ﾃPhospho [S11(100)]	S11(Phospho): 100	S(2): 0.0; S(3): 0.0; T(5): 0.0; T(8): 0.0; S(11): 100.0	VTQVTEQsPKVQSRY	S11;	High	1957.004358					1	1	26.69	High	0.4074	3.473503351	High	0.2565	Yes
NP_003091.2	6643	23111038	SNX2	sorting nexin-2 isoform 1 [Homo sapiens]	S185	0.94	1.6	RFsDFLGLHSK	1	2	2	1	2ﾃTMT6plex [N-Term; K11]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(10): 0.0	FSVKRRFsDFLGLHS	S3;	High	1844.982441					1	1	26.67	High	0.8889	5.57852459	High	0.4964	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_056262.3	157922	186659512	CAMSAP1	calmodulin-regulated spectrin-associated protein 1 [Homo sapiens]	S563	0.52	0.39	ADVVPQQADPEFPRAsPR	1	1	3	1	1×TMT6plex [N-Term]; 1×Phospho [S16(100)]	S16(Phospho): 100	S(16): 100.0	DPEFPRAsPRALGLT	S16;	High	2289.122626	14.63	55.43	10.8	31.7	2	2	26.65	High	1	3.875272989	High	0.5541	Yes
NP_001884.2	1453	20149530	CSNK1D	casein kinase I isoform delta isoform 1 [Homo sapiens]	S331	0.94	1.13	GLPSTAsGR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(4): 0.0; T(5): 0.0; S(7): 100.0	RGLPSTAsGRLRGTQ	S7;	High	1154.576819					1	1	26.65	High	0.4815	2.779108286	High	0.1906	Yes
NP_976328.2	144455	145580626	E2F7	transcription factor E2F7 [Homo sapiens]	S410	1.31	1.45	HGsFNTVQASER	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(6): 0.0; S(10): 0.0	QKLARHGsFNTVQAS	S3;	High	1641.758365					1	1	26.62	High	0.4815	3.461397409	High	0.3555	Yes
NP_055857.1	23060	71725360	ZNF609	zinc finger protein 609 [Homo sapiens]	S1055	0.75	1.2	APsLTDLVK	1	1	2	0	2×TMT6plex [N-Term; K9]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(5): 0.0	PTLTKAPsLTDLVKS	S3;	High	1481.838068					1	1	26.62	High	0.5556	2.979281664	High	0.2282	Yes
NP_004406.2	1832	58530840	DSP	desmoplakin isoform I [Homo sapiens]	S22	0.11	0.2	AEsGPDLR	1	2	3	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	GRMIRAEsGPDLRYE	S3;	High	1153.545185					1	1	26.62	High	0.963	2.662435055	High	0.4211	Yes
NP_060553.4	140467	133922582	ZNF358	zinc finger protein 358 [Homo sapiens]	S487	1.18	0.83	STPsPTPVESSDPK	1	1	2	0	2×TMT6plex [N-Term; K14]; 1×Phospho [S4(98.6)]	S4(Phospho): 98.57	S(1): 0.0; T(2): 1.4; S(4): 98.6; T(6): 0.0; S(10): 0.0; S(11): 0.0	PGSRSTPsPTPVESS	S4;	High	1966.977475					1	1	26.61	High	0.1111	3.91091466	High	0.0563	Yes
NP_079461.2	26115	157739945	TANC2	protein TANC2 [Homo sapiens]	S404	1.42	0.68	QIASDSPHAsPK	1	1	2	0	2×TMT6plex [N-Term; K12]; 2×Phospho [S10(100); S]	S4(Phospho): 50; S6(Phospho): 50; S10(Phospho): 100	S(4): 50.0; S(6): 50.0; S(10): 100.0	ASDSPHAsPKHVDAN	S10;	High	1855.875667					1	1	26.6	High	0.4815	3.715445042	High	0.4462	Yes
NP_001124330.1	9677	195947359	PPIP5K1	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 1 isoform 5 [Homo sapiens]	S944	0.88	0.7	TNQGsMENLCPGK	1	3	3	0	2×TMT6plex [N-Term; K13]; 1×Carbamidomethyl [C10]; 1×Oxidation [M6(100)]; 1×Phospho [S5(98.2)]	S5(Phospho): 98.2; M6(Oxidation): 100	T(1): 1.8; S(5): 98.2	EMKTNQGsMENLCPG	S5;	High	1989.917534					1	1	26.6	High	0.037	3.157989502	High	0.0918	Yes
NP_061830.3	23616	85815829	SH3BP1	SH3 domain-binding protein 1 [Homo sapiens]	S698	1.07	1.08	SLAsETN	1	1	4	0	1×TMT6plex [N-Term]; 1×Phospho [S1(100)]	S4(Phospho): 99.48	S(1): 0.5; S(4): 99.5; T(6): 0.0	PRPRSLAsETN_	S4;	High	1030.465537					1	1	26.58	High	0.4074	3.129752159	High	0.2588	No
NP_115618.3	5361	262118282	PLXNA1	plexin-A1 precursor [Homo sapiens]	S1635	0.92	0.64	TASSPDsLR	1	2	4	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	T(1): 0.0; S(3): 0.0; S(4): 0.0; S(7): 100.0	RTASSPDsLRSRTPM	S7;	High	1242.592863	10.06	1.33	16.2	1.5	3	3	26.57	High	0.5185	3.0496912	High	0.2459	Yes
NP_002130.2	27316	56699409	RBMX	RNA-binding motif protein, X chromosome isoform 1 [Homo sapiens]	S328	1.65	1.09	DGYGGSRDSYsSSR	1	2	2	1	1×TMT6plex [N-Term]; 1×Phospho [S11(100)]	S11(Phospho): 99.98	Y(3): 0.0; S(6): 0.0; S(9): 0.0; Y(10): 0.0; S(11): 100.0; S(12): 0.0; S(13): 0.0	GGSRDSYsSSRSDLY	S11;	High	1802.754402					1	1	26.57	High	0.1111	2.998303652	High	0.0633	Yes
NP_060252.4	54906	296011010	FAM208B	protein FAM208B [Homo sapiens]	S1172	1.38	1.26	SSSHLsPSEEVR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(1): 0.0; S(2): 0.0; S(3): 0.0; S(6): 100.0; S(8): 0.0	AKSSSHLsPSEEVRC	S6;	High	1623.757696					1	1	26.56	High	0.5556	3.994907379	High	0.1554	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S389; S391; S39	1.33	0.83	RLsPsAsPPR	1	3	3	1	1×TMT6plex [N-Term]; 3×Phospho [S3(100); S5(100); S7(100)]	S3(Phospho): 100; S5(Phospho): 100; S7(Phospho): 100	S(3): 100.0; S(5): 100.0; S(7): 100.0	PRKTRRLsPSASPPR;KTRRLSPsASPPRRR;RRLSPSAsPPRRRHR	S3; S5; S7;	High	1536.657542	6.83	26.28	12.9	31.6	2	2	26.55	High	0.963	4.216013908	High	0.5237	Yes;Yes;Yes
NP_001291744.1	23152	756140883	CIC	protein capicua homolog isoform CIC-L [Homo sapiens]	S1082	1.66	1.38	TQsLSALPK	1	2	3	0	2×TMT6plex [N-Term; K9]; 1×Phospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; S(5): 0.0	PGKRRTQsLSALPKE	S3;	High	1482.833317	3.14	3.59	7.4	7	2	2	26.54	High	0.1111	3.643689156	High	0.0907	No
NP_849193.1	201595	30578410	STT3B	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B [Homo sapiens]	S498; S499	1.35	0.84	ENPPVEDssDEDDKR	1	1	2	1	2×TMT6plex [N-Term; K14]; 2×Phospho [S8(100); S9(100)]	S8(Phospho): 100; S9(Phospho): 100	S(8): 100.0; S(9): 100.0	ENPPVEDsSDEDDKR;NPPVEDSsDEDDKRN	S8; S9;	High	2349.988918					1	1	26.52	High	1	3.855731726	High	0.6373	Yes;Yes
NP_056261.4	25909	262359929	AHCTF1	protein ELYS [Homo sapiens]	S1231	1.06	0.72	STPLASPSPSPGRsPQR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S14(100)]	S14(Phospho): 100	S(1): 0.0; T(2): 0.0; S(6): 0.0; S(8): 0.0; S(10): 0.0; S(14): 100.0	PSPSPGRsPQRLKET	S14;	High	2031.022184					1	1	26.5	High	0.2692	6.195239067	High	0.071	No
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S61	0.44	0.62	QSLTHGsSGYINSTGSTR	1	1	3	0	1×TMT6plex [N-Term]; 2×Deamidated [Q1(100); N12(100)]; 1×Phospho [S7(100)]	Q1(Deamidated): 100; S7(Phospho): 99.97; N12(Deamidated): 100	S(2): 0.0; T(4): 0.0; S(7): 100.0; S(8): 0.0; Y(10): 0.0; S(13): 0.0; T(14): 0.0; S(16): 0.0; T(17): 0.0	KQSLTHGsSGYINST	S7;	High	2163.975688					1	1	26.5	High	0.1923	5.187713623	High	0.0482	Yes
NP_055601.2	9828	21361458	ARHGEF17	rho guanine nucleotide exchange factor 17 [Homo sapiens]	S735	1.42	0.96	SLsDPIPQR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0	GEAYRSLsDPIPQRH	S3;	High	1321.671448					1	1	26.5	High	0.5	2.965278864	High	0.1953	Yes
NP_001171669.1	2017	296080746	CTTN	src substrate cortactin isoform c [Homo sapiens]	S368	1.01	1.35	AKTQTPPVsPAPQPTEER	1	3	3	1	2×TMT6plex [N-Term; K2]; 2×Phospho [S9(100); T]	T3(Phospho): 50; T5(Phospho): 50; S9(Phospho): 100	T(3): 50.0; T(5): 50.0; S(9): 100.0; T(15): 0.0	KTQTPPVsPAPQPTE	S9;	High	2552.256306	45.35	6.33	72.5	12.2	2	2	26.48	High	0.1538	5.110155582	High	0.2172	Yes
NP_036606.2	7371	18699734	UCK2	uridine-cytidine kinase 2 [Homo sapiens]	S254	0.73	1.04	QAsESSSRPH	1	1	2	0	1×TMT6plex [N-Term]; 1×Deamidated [Q1(100)]; 1×Phospho [S3(100)]	Q1(Deamidated): 100; S3(Phospho): 100	S(3): 100.0; S(5): 0.0; S(6): 0.0; S(7): 0.0	PSRKRQAsESSSRPH	S3;	High	1395.610304					1	1	26.48	High	0.4615	3.294131279	High	0.1003	Yes
NP_001273102.1	9847	555290101	C2CD5	C2 domain-containing protein 5 isoform c [Homo sapiens]	S866	0.55	0.86	ATsVDYSSFADR	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.98	T(2): 0.0; S(3): 100.0; Y(6): 0.0; S(7): 0.0; S(8): 0.0	PAAQRATsVDYSSFA	S3;	High	1627.720248					1	1	26.48	High	0.4231	2.614475012	High	0.1648	No
NP_005406.3	6574	31543630	SLC20A1	sodium-dependent phosphate transporter 1 [Homo sapiens]	S417	0.97	0.81	NNsYTSYTMAICGMPLDSFR	1	1	3	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C12]; 2×Oxidation [M9(100); M14(100)]; 1×Phospho [S3(99.9)]	S3(Phospho): 99.89; M9(Oxidation): 100; M14(Oxidation): 100	S(3): 99.9; Y(4): 0.0; T(5): 0.1; S(6): 0.0; Y(7): 0.0; T(8): 0.0; S(18): 0.0	KPLRRNNsYTSYTMA	S3;	High	2669.128442					1	1	26.47	High	0.0769	3.625664473	High	0.0303	Yes
NP_002568.2	5062	32483399	PAK2	serine/threonine-protein kinase PAK 2 [Homo sapiens]	S141	0.82	1.14	YLsFTPPEKDGFPSGTPALNAK	1	1	11	1	3×TMT6plex [N-Term; K9; K22]; 1×Phospho [S3(100)]	S3(Phospho): 99.96	Y(1): 0.0; S(3): 100.0; T(5): 0.0; S(14): 0.0; T(16): 0.0	TVKQKYLsFTPPEKD	S3;	High	3104.631265	5.04	3.39	8.3	7.7	4	4	26.46	High	0.0769	6.570883751	High	0.0167	Yes
NP_006156.2	4798	23346420	NFRKB	nuclear factor related to kappa-B-binding protein isoform 2 [Homo sapiens]	S1316	1.31	0.75	AVSTVVVTTAPsPK	1	2	2	0	2×TMT6plex [N-Term; K14]; 1×Phospho [S12(100)]	S12(Phospho): 100	S(3): 0.0; T(4): 0.0; T(8): 0.0; T(9): 0.0; S(12): 100.0	VVVTTAPsPKQAPEQ	S12;	High	1895.065502					1	1	26.46	High	0.0769	4.793758869	High	0.1608	No
NP_005900.2	4131	153945728	MAP1B	microtubule-associated protein 1B [Homo sapiens]	T1633	4.26	4.45	SRtPVQDHR	1	1	6	1	1×TMT6plex [N-Term]; 1×Phospho [T3(100)]	T3(Phospho): 99.36	S(1): 0.6; T(3): 99.4	PKTAKSRtPVQDHRS	T3;	High	1404.694643	8.5	11.86	54.8	86.4	2	2	26.46	High	0.7692	3.536118746	High	0.0621	Yes
NP_065994.1	57703	55749769	CWC22	pre-mRNA-splicing factor CWC22 homolog [Homo sapiens]	S61	1.5	0.78	GRsYDSSMESR	1	1	2	1	1×TMT6plex [N-Term]; 1×Oxidation [M8(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; M8(Oxidation): 100	S(3): 100.0; Y(4): 0.0; S(6): 0.0; S(7): 0.0; S(10): 0.0	EHSRRGRsYDSSMES	S3;	High	1599.667167					1	1	26.44	High	0.3462	2.81521225	High	0.1206	Yes
NP_000413.1	3872	4557701	KRT17	keratin, type I cytoskeletal 17 [Homo sapiens]	S32	0.23	0.33	TSCRLsGGLGAGSCR	1	1	4	1	1×TMT6plex [N-Term]; 2×Carbamidomethyl [C3; C14]; 1×Phospho [S6(100)]	S6(Phospho): 100	T(1): 0.0; S(2): 0.0; S(6): 100.0; S(13): 0.0	SRTSCRLsGGLGAGS	S6;	High	1847.845483	8.44	23.63	3.4	13.6	3	3	26.43	High	0.6923	4.640421867	High	0.2134	Yes
NP_996744.3	10579	630044887	TACC2	transforming acidic coiled-coil-containing protein 2 isoform a [Homo sapiens]	S2226	0.39	0.38	VQNsPPVGR	1	7	5	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	GGGRVQNsPPVGRKT	S4;	High	1262.645567	8.52	45.73	4.7	25.2	2	2	26.43	High	0.8077	3.083127737	High	0.5357	Yes
NP_689619.1	134265	55742689	AFAP1L1	actin filament-associated protein 1-like 1 isoform 1 [Homo sapiens]	S603	2.46	2.16	HAsSANQYK	1	2	3	0	2×TMT6plex [N-Term; K9]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; S(4): 0.0; Y(8): 0.0	VKVKRHAsSANQYKY	S3;	High	1543.767029					1	1	26.42	High	0.8462	2.930165052	High	0.0683	Yes
NP_057737.2	51776	82880648	ZAK	mitogen-activated protein kinase kinase kinase MLT isoform 1 [Homo sapiens]	S633	0.51	0.75	YQQITPVNQsR	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S10(100)]	S10(Phospho): 100	Y(1): 0.0; T(5): 0.0; S(10): 100.0	QITPVNQsRSSSPTQ	S10;	High	1642.815152	46.86	50.37	34.7	57.5	2	2	26.37	High	0.8846	3.26644969	High	0.3823	Yes
NP_001180237.1	84958	300863107	SYTL1	synaptotagmin-like protein 1 isoform 1 [Homo sapiens]	S216	1.04	1.11	AAsQILENGEEAPGPDPSLDR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(18): 0.0	QAQTKAAsQILENGE	S3;	High	2475.160194					1	1	26.36	High	1	3.83861208	High	0.6302	Yes
NP_002798.2	5707	25777600	PSMD1	26S proteasome non-ATPase regulatory subunit 1 isoform 1 [Homo sapiens]	T273	0.85	3.26	TVGtPIASVPGSTNTGTVPGSEK	1	2	2	0	2×TMT6plex [N-Term; K23]; 1×Phospho [T4(100)]	T4(Phospho): 99.96	T(1): 0.0; T(4): 100.0; S(8): 0.0; S(12): 0.0; T(13): 0.0; T(15): 0.0; T(17): 0.0; S(21): 0.0	QNLRTVGtPIASVPG	T4;	High	2695.395562					1	1	26.36	High	0.3077	3.206722736	High	0.1153	Yes
NP_001265138.1	9972	503774352	NUP153	nuclear pore complex protein Nup153 isoform 1 [Homo sapiens]	S217	0.84	0.26	SHsLSQHTATSSK	1	3	2	0	2×TMT6plex [N-Term; K13]; 1×Phospho [S3(97.6)]	S3(Phospho): 97.62	S(1): 1.2; S(3): 97.6; S(5): 1.2; T(8): 0.0; T(10): 0.0; S(11): 0.0; S(12): 0.0	PEAERSHsLSQHTAT	S3;	High	1908.958077					1	1	26.35	High	0.2308	3.379956007	High	0.071	Yes
NP_620305.2	6651	520261969	SON	protein SON isoform F [Homo sapiens]	S283	0.74	1.34	SVESTsPEPSK	1	3	8	0	2×TMT6plex [N-Term; K11]; 1×Phospho [T/S]	S6(Phospho): 99.99	S(1): 0.0; S(4): 0.0; T(5): 0.0; S(6): 100.0; S(10): 0.0	LKSVESTsPEPSKIM	S6;	High	1685.839919	16.48	4.73	17.3	9	2	2	26.35	High	0.3462	3.001029015	High	0.01	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S2692; S2694	1.08	0.58	SLsYsPVER	1	1	2	0	1×TMT6plex [N-Term]; 2×Phospho [S3(100); S5(100)]	S3(Phospho): 100; S5(Phospho): 100	S(1): 0.0; S(3): 100.0; Y(4): 0.0; S(5): 100.0	LRDSRSLsYSPVERR;DSRSLSYsPVERRRP	S3; S5;	High	1426.621794					1	1	26.34	High	0.4231	3.145519495	High	0.1143	Yes;Yes
NP_003474.1	8091	4504431	HMGA2	high mobility group protein HMGI-C isoform a [Homo sapiens]	S44	2.79	1.17	KQQQEPTGEPsPK	1	4	8	1	3×TMT6plex [N-Term; K13; K]; 2×Deamidated [Q2(100); Q3(100)]; 1×Phospho [S11(100)]	Q2(Deamidated): 100; Q3(Deamidated): 99.99; S11(Phospho): 100	T(7): 0.0; S(11): 100.0	QEPTGEPsPKRPRGR	S11;	High	2223.151306	1.66	3.95	8	8	3	3	26.32	High	0.2692	5.182600498	High	0.0714	Yes
NP_005383.3	5253	117190342	PHF2	lysine-specific demethylase PHF2 [Homo sapiens]	S1056	1.83	0.48	RPsASSPNNNTAAK	1	1	2	0	2×TMT6plex [N-Term; K14]; 2×Phospho [S3(100); S/T]	S3(Phospho): 99.98; S5(Phospho): 50.01; S6(Phospho): 50.01	S(3): 100.0; S(5): 50.0; S(6): 50.0; T(11): 0.0	FLTQRRPsASSPNNN	S3;	High	2032.961856					1	1	26.31	High	0.1538	4.276041031	High	0.1706	Yes
NP_001180345.1	1654	301171467	DDX3X	ATP-dependent RNA helicase DDX3X isoform 2 [Homo sapiens]	S593	0.84	1.43	SRFsGGFGAR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 99.99	S(1): 0.0; S(4): 100.0	GRSKSRFsGGFGARD	S4;	High	1350.651715					1	1	26.3	High	0.4615	3.118039846	High	0.1923	No
NP_001123917.1	6744	194363771	SSFA2	sperm-specific antigen 2 isoform 1 [Homo sapiens]	T1156	1.04	0.92	ASVALtPTAPSR	1	4	2	0	1×TMT6plex [N-Term]; 1×Phospho [T6(100)]	T6(Phospho): 99.98	S(2): 0.0; T(6): 100.0; T(8): 0.0; S(11): 0.0	FRASVALtPTAPSRT	T6;	High	1479.776975					1	1	26.26	High	0.3846	3.067302942	High	0.1075	Yes
NP_835227.1	162427	30023820	FAM134C	protein FAM134C [Homo sapiens]	S258; S260	1.33	1.07	AMDNHsDsEEELAAFCPQLDDSTVAR	1	1	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C16]; 1×Oxidation [M2(100)]; 2×Phospho [S6(100); S8(100)]	M2(Oxidation): 100; S6(Phospho): 100; S8(Phospho): 100	S(6): 100.0; S(8): 100.0; S(22): 0.0; T(23): 0.0	ERAMDNHsDSEEELA;AMDNHSDsEEELAAF	S6; S8;	High	3313.3265					1	1	26.24	High	1	5.359462261	High	0.8134	Yes;Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S738; S743	0.84	1.2	AAsPSPQsVR	1	3	7	0	1×TMT6plex [N-Term]; 2×Phospho [S3(100); S5(100)]	S3(Phospho): 100; S8(Phospho): 99.98	S(3): 100.0; S(5): 0.0; S(8): 100.0	KKIKKAAsPSPQSVR;AASPSPQsVRRVSSS	S3; S8;	High	1388.617378	28.55	2.05	43.3	4.3	3	3	26.24	High	0.6923	3.494236946	High	0.3754	Yes;Yes
NP_004563.2	5318	148664226	PKP2	plakophilin-2 isoform 2b [Homo sapiens]	S197	0.52	0.62	YARsEIVGVSR	1	2	3	1	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	Y(1): 0.0; S(4): 100.0; S(10): 0.0	VPPRYARsEIVGVSR	S4;	High	1545.798774	31.43	2.74	23.2	2.4	2	2	26.24	High	0.6154	3.396017551	High	0.1647	Yes
NP_001871.2	1386	22538422	ATF2	cyclic AMP-dependent transcription factor ATF-2 isoform 1 [Homo sapiens]	T69; T71	0.18	11.59	NDSVIVADQtPtPTR	1	3	3	0	1×TMT6plex [N-Term]; 2×Phospho [T10(100); T12(98.9)]	T10(Phospho): 100; T12(Phospho): 98.92	S(3): 0.0; T(10): 100.0; T(12): 98.9; T(14): 1.1	SVIVADQtPTPTRFL;IVADQTPtPTRFLKN	T10; T12;	High	2002.908534	108.84	9.01	28.7	280	2	2	26.23	High	0.1154	3.639533997	High	0.206	Yes;Yes
NP_006132.1	1783	5453634	DYNC1LI2	cytoplasmic dynein 1 light intermediate chain 2 isoform 1 [Homo sapiens]	S383; S391	0.84	0.88	ASEsPARGPSGsPR	1	2	2	1	1×TMT6plex [N-Term]; 2×Phospho [S4(98.5); S12(98.5)]	S4(Phospho): 98.48; S12(Phospho): 98.48	S(2): 1.5; S(4): 98.5; S(10): 1.5; S(12): 98.5	TPTRASEsPARGPSG;PARGPSGsPRTQGRG	S4; S12;	High	1744.76181					1	1	26.23	High	0.1923	3.033070087	High	0.3102	Yes;Yes
NP_006566.2	11183	14589909	MAP4K5	mitogen-activated protein kinase kinase kinase kinase 5 [Homo sapiens]	S335	0.88	2.18	TAsEINFDK	1	1	2	0	2×TMT6plex [N-Term; K9]; 1×Phospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0	ARAERTAsEINFDKL	S3;	High	1562.786761					1	1	26.22	High	0.4615	2.863726139	High	0.2273	Yes
NP_055238.1	27125	7656879	AFF4	AF4/FMR2 family member 4 [Homo sapiens]	S836	1.55	1.27	TIsQSSSLK	1	1	3	0	2×TMT6plex [N-Term; K9]; 1×Phospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; S(5): 0.0; S(6): 0.0; S(7): 0.0	GSRKRTIsQSSSLKS	S3;	High	1488.807496	1.44	3.42	3.2	6.1	2	2	26.21	High	0.5385	3.527648449	High	0.1586	Yes
NP_115765.2	84364	31543983	ARFGAP2	ADP-ribosylation factor GTPase-activating protein 2 isoform 1 [Homo sapiens]	S368	0.78	1.16	YKDNPFSLGEsFGSR	1	2	2	1	2×TMT6plex [N-Term; K2]; 1×Phospho [S11(100)]	S11(Phospho): 99.96	Y(1): 0.0; S(7): 0.0; S(11): 100.0; S(14): 0.0	NPFSLGEsFGSRWDT	S11;	High	2242.09457					1	1	26.19	High	0.1923	4.362071037	High	0.0849	Yes
NP_064543.3	56915	47174864	EXOSC5	exosome complex component RRP46 [Homo sapiens]	S20	0.6	1.65	AENGTGSsPR	1	1	3	0	1×TMT6plex [N-Term]; 1×Deamidated [N3(100)]; 1×Phospho [S8(99)]	N3(Deamidated): 100; S8(Phospho): 99.03	T(5): 0.0; S(7): 1.0; S(8): 99.0	AENGTGSsPRGPGCS	S8;	High	1285.562292					1	1	26.18	High	0.2692	2.937226772	High	0.0204	Yes
NP_036252.1	23607	11321634	CD2AP	CD2-associated protein [Homo sapiens]	S510	0.74	0.47	FNGGHsPTHSPEK	1	1	3	0	2×TMT6plex [N-Term; K13]; 1×Deamidated [N2(100)]; 1×Phospho [S6(100)]	N2(Deamidated): 100; S6(Phospho): 98.18	S(6): 98.2; T(8): 1.8; S(10): 0.0	GRFNGGHsPTHSPEK	S6;	High	1933.920963					1	1	26.17	High	0.2308	3.698035955	High	0.0378	Yes
NP_004765.2	5469	28559039	MED1	mediator of RNA polymerase II transcription subunit 1 [Homo sapiens]	T1051	1.28	1.39	SQtPPGVATPPIPK	1	1	3	0	2×TMT6plex [N-Term; K14]; 1×Deamidated [Q2(100)]; 1×Phospho [T3(99)]	Q2(Deamidated): 100; T3(Phospho): 98.96	S(1): 1.0; T(3): 99.0; T(9): 0.0	GSAGRSQtPPGVATP	T3;	High	1929.049852					1	1	26.16	High	0.1923	4.292093754	High	0.0256	Yes
NP_001164227.1	159090	282847483	FAM122B	protein FAM122B isoform 4 [Homo sapiens]	S134; S138	1.23	1.02	RIDFTPVsPAPsPTR	1	5	2	1	1×TMT6plex [N-Term]; 2×Phospho [S8(100); S12(100)]	S8(Phospho): 100; S12(Phospho): 100	T(5): 0.0; S(8): 100.0; S(12): 100.0; T(14): 0.0	RIDFTPVsPAPSPTR;TPVSPAPsPTRGFGK	S8; S12;	High	2029.971074					1	1	26.14	High	0.2692	5.151055336	High	0.2252	Yes;Yes
NP_001278893.1	4301	634743290	MLLT4	afadin isoform 4 [Homo sapiens]	S1141	1.19	1.01	ADHRSSPNVANQPPsPGGK	1	3	5	1	2×TMT6plex [N-Term; K19]; 2×Phospho [S5(100); S15(100)]	S5(Phospho): 50; S6(Phospho): 50; S15(Phospho): 100	S(5): 50.0; S(6): 50.0; S(15): 100.0	NVANQPPsPGGKSAY	S15;	High	2534.195437	37.21	7.59	109	15.4	4	4	26.13	High	0.1154	6.666853428	High	0.5337	No
NP_001291744.1	23152	756140883	CIC	protein capicua homolog isoform CIC-L [Homo sapiens]	S1082	1.45	1.39	RTQsLSALPK	1	2	2	1	2×TMT6plex [N-Term; K10]; 1×Phospho [S4(100)]	S4(Phospho): 100	T(2): 0.0; S(4): 100.0; S(6): 0.0	PGKRRTQsLSALPKE	S4;	High	1638.934428					1	1	26.13	High	0.3462	4.743639469	High	0.0865	No
NP_006303.4	9612	331284178	NCOR2	nuclear receptor corepressor 2 isoform 1 [Homo sapiens]	S1173	0.94	0.56	QEQLsPR	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	GVKQEQLsPRGQAGP	S5;	High	1166.576819					1	1	26.13	High	1	2.574263096	High	0.5837	No
NP_722549.2	50488	27436917	MINK1	misshapen-like kinase 1 isoform 3 [Homo sapiens]	S674	1.46	0.89	TSsIATALNTSGAGGSRPAQAVR	1	4	3	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.97	T(1): 0.0; S(2): 0.0; S(3): 100.0; T(6): 0.0; T(10): 0.0; S(11): 0.0; S(16): 0.0	KVPQRTSsIATALNT	S3;	High	2482.261245					1	1	26.11	High	0.2308	5.538156033	High	0.0487	Yes
NP_110430.5	55054	124256480	ATG16L1	autophagy-related protein 16-1 isoform 1 [Homo sapiens]	S287	1.75	1.96	sVSSFPVPQDNVDTHPGSGK	1	5	2	0	2×TMT6plex [N-Term; K20]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(3): 0.0; S(4): 0.0; T(14): 0.0; S(18): 0.0	TNIFGRRsVSSFPVP	S1;	High	2593.269968					1	1	26.09	High	0.2308	5.082185745	High	0.0925	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_006581.2	10713	56550051	USP39	U4/U6.U5 tri-snRNP-associated protein 2 isoform 1 [Homo sapiens]	S46	0.76	1.03	EPEAASSRGsPVR	1	2	2	1	1×TMT6plex [N-Term]; 1×Phospho [S10(100)]	S10(Phospho): 100	S(6): 0.0; S(7): 0.0; S(10): 100.0	EAASSRGsPVRVKRE	S10;	High	1651.80023					1	1	26.09	High	0.5	3.605704546	High	0.1662	Yes
NP_001289942.1	9651	732170452	PLCH2	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase eta-2 isoform 3 [Homo sapiens]	T1009	1.53	0.95	AAtPPTVQPGNHR	1	1	2	0	1×TMT6plex [N-Term]; 1×Deamidated [Q8(100)]; 1×Phospho [T3(100)]	T3(Phospho): 100; Q8(Deamidated): 99.97	T(3): 100.0; T(6): 0.0	SGSPRAAtPPTVQPG	T3;	High	1655.810401					1	1	26.08	High	0.3077	3.018090725	High	0.0927	No
NP_002799.3	5708	25777602	PSMD2	26S proteasome non-ATPase regulatory subunit 2 isoform 1 [Homo sapiens]	S16	0.86	1.52	DKAPVQPQQsPAAAPGGTDEKPSGK	1	1	5	1	4×TMT6plex [N-Term; K2; K21; K25]; 1×Deamidated [Q8(98.2)]; 1×Phospho [S10(100)]	Q8(Deamidated): 98.16; S10(Phospho): 100	S(10): 100.0; T(18): 0.0; S(23): 0.0	APVQPQQsPAAAPGG	S10;	High	3458.833831					1	1	26.06	High	0.1538	6.365684509	High	0.0471	Yes
NP_001290203.1	47	740086846	ACLY	ATP-citrate synthase isoform 3 [Homo sapiens]	S535	1.46	0.57	AKPAMPQDSVPsPR	1	2	4	0	2×TMT6plex [N-Term; K2]; 1×Oxidation [M5(100)]; 1×Phospho [S12(100)]	M5(Oxidation): 100; S12(Phospho): 100	S(9): 0.0; S(12): 100.0	MPQDSVPsPRSLQGK	S12;	High	2035.044783	7.41	38.52	15.4	32.1	2	2	26.06	High	0.4231	4.025789738	High	0.1613	No
NP_001745.2	861	19923198	RUNX1	runt-related transcription factor 1 isoform AML1c [Homo sapiens]	T41	1.16	1.12	RFtPPSTALSPGK	1	3	2	1	2×TMT6plex [N-Term; K13]; 1×Phospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; S(6): 0.0; T(7): 0.0; S(10): 0.0	ASTSRRFtPPSTALS	T3;	High	1897.03487					1	1	26.05	High	0.5769	4.347975731	High	0.223	No
NP_055446.2	9644	55749544	SH3PXD2A	SH3 and PX domain-containing protein 2A [Homo sapiens]	S378	0.98	0.84	LAQGsPAVAR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	VSRLAQGsPAVARIA	S5;	High	1278.676868					1	1	26.05	High	0.8462	3.049103498	High	0.6	No
NP_060176.2	54853	38327642	WDR55	WD repeat-containing protein 55 [Homo sapiens]	S14	0.23		TCEERPAEDGsDEEDPDSMEAPTR	1	1	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C2]; 1×Oxidation [M19(100)]; 1×Phospho [S11(100)]	S11(Phospho): 100; M19(Oxidation): 100	T(1): 0.0; S(11): 100.0; S(18): 0.0; T(23): 0.0	ERPAEDGsDEEDPDS	S11;	High	3048.1921					1		26.05	High	0.5769	2.806920052	High	0.2206	Yes
NP_001124330.1	9677	195947359	PPIP5K1	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 1 isoform 5 [Homo sapiens]	S1152	0.59	0.29	TLHsPPLQLQQR	1	3	2	0	1×TMT6plex [N-Term]; 1×Deamidated [Q8(100)]; 1×Phospho [S4(100)]	S4(Phospho): 100; Q8(Deamidated): 100	T(1): 0.0; S(4): 100.0	SPPRTLHsPPLQLQQ	S4;	High	1727.904302					1	1	26.04	High	0.1538	3.715459585	High	0.129	Yes
NP_005091.2	9590	21493022	AKAP12	A-kinase anchor protein 12 isoform 1 [Homo sapiens]	S696	4.33	9.31	RGsSSDEEGGPK	1	2	4	1	2×TMT6plex [N-Term; K12]; 1×Phospho [S3(99.1)]	S3(Phospho): 99.06	S(3): 99.1; S(4): 0.9; S(5): 0.0	KKRARRGsSSDEEGG	S3;	High	1743.831479		9.31		186.9	1	2	26.03	High	0.3846	4.153416157	High	0.0361	Yes
NP_003038.2	6548	27777632	SLC9A1	sodium/hydrogen exchanger 1 [Homo sapiens]	S693	1.41	0.39	INNYLTVPAHKLDsPTMSR	1	1	3	1	2×TMT6plex [N-Term; K11]; 1×Oxidation [M17(100)]; 1×Deamidated [N]; 1×Phospho [S14(100)]	N2(Deamidated): 50; N3(Deamidated): 50; S14(Phospho): 100; M17(Oxidation): 100	Y(4): 0.0; T(6): 0.0; S(14): 100.0; T(16): 0.0; S(18): 0.0	VPAHKLDsPTMSRAR	S14;	High	2712.383224					1	1	26.02	High	0.0385	4.620650768	High	0.0108	Yes
NP_059344.1	10458	9257197	BAIAP2	brain-specific angiogenesis inhibitor 1-associated protein 2 isoform 1 [Homo sapiens]	S366	0.28	4.2	SSsMAAGLER	1	4	4	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(2): 0.0; S(3): 100.0	KTLPRSSsMAAGLER	S3;	High	1317.607133	104.14	0.3	42.6	1.8	2	2	26.02	High	0.2308	4.040453911	High	0.1238	Yes
NP_073210.1	8220	13027630	DGCR14	protein DGCR14 [Homo sapiens]	S292	1.29	1.86	ELIPQEsPR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	KELIPQEsPRVGGFG	S7;	High	1377.697663					1	1	26.02	High	0.8846	3.055325985	High	0.6078	Yes
NP_005427.2	8030	46852390	CCDC6	coiled-coil domain-containing protein 6 [Homo sapiens]	S240; S244	1.36	0.48	ILQEKLDQPVsAPPsPR	1	1	2	1	2×TMT6plex [N-Term; K5]; 2×Phospho [S11(100); S15(100)]	S11(Phospho): 100; S15(Phospho): 100	S(11): 100.0; S(15): 100.0	EKLDQPVsAPPSPRD;QPVSAPPsPRDISME	S11; S15;	High	2493.291963					1	1	26.02	High	1	2.959057808	High	0.527	Yes;Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S93	1.33	1.17	GDRsPEPGQTWTR	1	2	2	1	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(10): 0.0; T(12): 0.0	LHRKGDRsPEPGQTW	S4;	High	1795.832593					1	1	26.01	High	0.6154	4.257497787	High	0.3967	Yes
NP_001120683.1	57698	187761324	KIAA1598	shootin-1 isoform a [Homo sapiens]	S506	0.86	0.86	sMPVLGSVSSVTK	1	4	2	0	2×TMT6plex [N-Term; K13]; 1×Oxidation [M2(100)]; 1×Phospho [S1(100)]	S1(Phospho): 100; M2(Oxidation): 100	S(1): 100.0; S(7): 0.0; S(9): 0.0; S(10): 0.0; T(12): 0.0	LATSESKsMPVLGSV	S1;	High	1845.979724					1	1	26.01	High	0.5	3.181070089	High	0.3711	Yes
NP_004570.2	5871	22035600	MAP4K2	mitogen-activated protein kinase kinase kinase kinase 2 isoform 1 [Homo sapiens]	S328	1.76	2.7	TPsEIQFHQVK	1	2	2	0	2×TMT6plex [N-Term; K11]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	T(1): 0.0; S(3): 100.0	GPAERTPsEIQFHQV	S3;	High	1851.977021					1	1	25.97	High	0.1923	4.355607033	High	0.0642	Yes
NP_001124427.1	23370	195972857	ARHGEF18	rho guanine nucleotide exchange factor 18 isoform b [Homo sapiens]	S1103	0.96	0.82	SLsPILPGR	1	2	4	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0	SRNRRSLsPILPGRH	S3;	High	1248.691455	10.6	4.87	17.7	6.9	3	3	25.93	High	0.5769	3.154841661	High	0.1206	Yes
NP_001107018.1	51474	165905589	LIMA1	LIM domain and actin-binding protein 1 isoform 1 [Homo sapiens]	S699	0.72	1.24	QQsPQEPK	1	4	7	0	2×TMT6plex [N-Term; K8]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	NSFLKQQsPQEPKSL	S3;	High	1479.760881	5.34	3.34	9.4	10.1	6	6	25.91	High	0.8077	3.633101225	High	0.4793	No
NP_004243.1	9368	4759140	SLC9A3R1	Na(+)/H(+) exchange regulatory cofactor NHE-RF1 [Homo sapiens]	S280	1.29	0.92	EALAEAALEsPRPALVR	1	1	4	0	1×TMT6plex [N-Term]; 1×Phospho [S10(100)]	S10(Phospho): 100	S(10): 100.0	LAEAALEsPRPALVR	S10;	High	2102.120836	2.3	14.64	4.2	19.2	2	2	25.89	High	1	5.375258923	High	0.6394	Yes
NP_001265387.1	22837	510937001	COBLL1	cordon-bleu protein-like 1 isoform 1 [Homo sapiens]	S322	0.62	0.84	DQTAsAPATPLVNK	1	4	2	0	2×TMT6plex [N-Term; K14]; 1×Deamidated [N13(100)]; 1×Phospho [S5(98.7)]	S5(Phospho): 98.68; N13(Deamidated): 100	T(3): 1.3; S(5): 98.7; T(9): 0.0	KKRDQTAsAPATPLV	S5;	High	1952.014195					1	1	25.89	High	0.2308	2.815793514	High	0.0496	No
NP_001271143.1	9320	545746335	TRIP12	E3 ubiquitin-protein ligase TRIP12 isoform a [Homo sapiens]	S119	0.94	0.76	SAsPDYNR	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; Y(6): 0.0	RGVKRSAsPDYNRTN	S3;	High	1218.535348					1	1	25.88	High	0.6923	3.186333895	High	0.21	No
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1132	0.11	25.56	SGMsPEQSR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; S(4): 100.0; S(8): 0.0	PMLKSGMsPEQSRFQ	S4;	High	1287.560183					1	1	25.88	High	0.5385	2.90431571	High	0.2966	Yes
NP_001106963.1	10801	164698494	Sep-09	septin-9 isoform a [Homo sapiens]	T142	1.58	1.07	AEVLGHKtPEPAPR	1	4	3	1	2×TMT6plex [N-Term; K7]; 1×Phospho [T8(100)]	T8(Phospho): 100	T(8): 100.0	AEVLGHKtPEPAPRR	T8;	High	2040.104347	4.6	11.45	10.3	17.5	2	2	25.87	High	1	4.604211807	High	0.6478	Yes
NP_057541.2	25865	19923468	PRKD2	serine/threonine-protein kinase D2 isoform A [Homo sapiens]	S197; T199	0.99	1.05	RLsStSLASGHSVR	1	2	4	1	1×TMT6plex [N-Term]; 2×Phospho [S3(100); T5(97.9)]	S3(Phospho): 100; T5(Phospho): 97.87	S(3): 100.0; S(4): 2.1; T(5): 97.9; S(6): 0.1; S(9): 0.0; S(12): 0.0	GARKRRLsSTSLASG;RKRRLSStSLASGHS	S3; T5;	High	1846.877508					1	1	25.87	High	0.0385	3.90499258	High	0.0231	Yes;Yes
NP_705902.2	80025	85838513	PANK2	pantothenate kinase 2, mitochondrial isoform 1 preproprotein [Homo sapiens]	S169	0.89	0.5	ASsASVPAVGASAEGTRR	1	1	3	1	1×TMT6plex [N-Term]; 1×Phospho [S3(98.4)]	S3(Phospho): 98.37	S(2): 1.6; S(3): 98.4; S(5): 0.0; S(12): 0.0; T(16): 0.0	PLRRRASsASVPAVG	S3;	High	1982.985799					1	1	25.86	High	0.1154	4.683423042	High	0.0385	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S783	0.79	1.34	SLSGSsPCPK	1	1	5	0	2×TMT6plex [N-Term; K10]; 1×Carbamidomethyl [C8]; 2×Phospho [S1(100); S3(100)]	S3(Phospho): 50.3; S5(Phospho): 50.3; S6(Phospho): 99.4	S(1): 0.0; S(3): 50.3; S(5): 50.3; S(6): 99.4	RRSLSGSsPCPKQKS	S6;	High	1637.741147	50.29	6.25	60.9	11.8	2	2	25.86	High	0.2692	2.869367361	High	0.0105	Yes
NP_001139248.1	2289	224809329	FKBP5	peptidyl-prolyl cis-trans isomerase FKBP5 isoform 1 [Homo sapiens]	S445	1.25	1.09	GTDsQAMEEEKPEGHV	1	1	2	0	2×TMT6plex [N-Term; K11]; 1×Oxidation [M7(100)]; 1×Phospho [S4(98)]	S4(Phospho): 98.05; M7(Oxidation): 100	T(2): 2.0; S(4): 98.1	TNEKGTDsQAMEEEK	S4;	High	2298.036129					1	1	25.85	High	0.1154	3.882237673	High	0.1082	Yes
NP_055134.2	23592	7706607	LEMD3	inner nuclear membrane protein Man1 isoform 1 [Homo sapiens]	S259; S261	0.62	0.64	LVPYSCRENYsDsEEEDDDDVASSR	1	2	2	1	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C6]; 2×Phospho [S11(100); S13(100)]	S11(Phospho): 100; S13(Phospho): 100	Y(4): 0.0; S(5): 0.0; Y(10): 0.0; S(11): 100.0; S(13): 100.0; S(23): 0.0; S(24): 0.0	YSCRENYsDSEEEDD;CRENYSDsEEEDDDD	S11; S13;	High	3326.291888					1	1	25.81	High	0.5385	3.208619118	High	0.2679	Yes;Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1577; S1582	1.21	1	sRSGSsPEVDSK	1	1	3	1	2×TMT6plex [N-Term; K12]; 2×Phospho [S1(98.6); S6(98.6)]	S1(Phospho): 98.63; S6(Phospho): 98.63	S(1): 98.6; S(3): 1.4; S(5): 1.4; S(6): 98.6; S(11): 0.0	RTPLRQRsRSGSSPE;QRSRSGSsPEVDSKS	S1; S6;	High	1853.84476					1	1	25.81	High	0.1538	3.175713539	High	0.0189	Yes;Yes
NP_877499.1	55117	33354281	SLC6A15	sodium-dependent neutral amino acid transporter B(0)AT2 isoform 1 [Homo sapiens]	S687	1.58	0.88	IPSEMPsPNFGK	1	2	2	0	2×TMT6plex [N-Term; K12]; 1×Oxidation [M5(100)]; 1×Phospho [S7(100)]	M5(Oxidation): 100; S7(Phospho): 100	S(3): 0.0; S(7): 100.0	KIPSEMPsPNFGKNI	S7;	High	1857.922209					1	1	25.8	High	0.5769	3.259976864	High	0.2853	Yes
NP_001020471.2	201475	106507164	RAB12	ras-related protein Rab-12 [Homo sapiens]	S21	1.62	1.19	RAGGGGGLGAGsPALSGGQGR	1	1	2	1	1×TMT6plex [N-Term]; 1×Deamidated [Q19(100)]; 1×Phospho [S12(100)]	S12(Phospho): 100; Q19(Deamidated): 100	S(12): 100.0; S(16): 0.0	GGGLGAGsPALSGGQ	S12;	High	2050.002846					1	1	25.77	High	0.6154	5.143104553	High	0.2354	Yes
NP_001243299.1	64092	373838708	SAMSN1	SAM domain-containing protein SAMSN-1 isoform 2 [Homo sapiens]	S91	10.8	13.2	SSsFGNFDR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(2): 0.0; S(3): 100.0	LHSWRSSsFGNFDRF	S3;	High	1325.572462					1	1	25.77	High	0.3462	3.496432304	High	0.1257	No
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S616	1.22	1.18	RTAsPPPPPK	1	3	3	1	2×TMT6plex [N-Term; K10]; 1×Phospho [S4(100)]	S4(Phospho): 99.99	T(2): 0.0; S(4): 100.0	PPKRRTAsPPPPPKR	S4;	High	1585.88675	10.95	14.47	19.1	24.6	2	2	25.73	High	0.1538	3.414328098	High	0.0645	Yes
NP_065863.2	57572	157426887	DOCK6	dedicator of cytokinesis protein 6 [Homo sapiens]	S178	0.73	0.55	GSGsPEDTPR	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 99.99	S(2): 0.0; S(4): 100.0; T(8): 0.0	DSRRGSGsPEDTPRS	S4;	High	1311.577941					1	1	25.73	High	0.3077	2.933553934	High	0.0171	Yes
NP_001138829.1	25942	223941782	SIN3A	paired amphipathic helix protein Sin3a [Homo sapiens]	S1112	0.92	0.39	YMNSDTTsPELR	1	1	2	0	1×TMT6plex [N-Term]; 1×Oxidation [M2(100)]; 1×Phospho [S8(100)]	M2(Oxidation): 100; S8(Phospho): 99.98	Y(1): 0.0; S(4): 0.0; T(6): 0.0; T(7): 0.0; S(8): 100.0	YMNSDTTsPELREHL	S8;	High	1738.755648					1	1	25.73	High	0.0769	2.623914242	High	0.1031	Yes
NP_001073027.1	221092	118601081	HNRNPUL2	heterogeneous nuclear ribonucleoprotein U-like protein 2 [Homo sapiens]	S655	2.29	1.08	sRGQGYVGGQR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; Y(6): 0.0	KRNRQNRsRGQGYVG	S1;	High	1473.716107					1	1	25.72	High	1	2.8176229	High	0.4787	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5782	0.79	1.91	SNsFSDER	1	1	2	0	1×TMT6plex [N-Term]; 1×Deamidated [N2(100)]; 1×Phospho [S3(100)]	N2(Deamidated): 100; S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(5): 0.0	KPRHRSNsFSDEREF	S3;	High	1251.509194					1	1	25.71	High	0.3462	3.134124756	High	0.1597	Yes
NP_005219.2	1956	29725609	EGFR	epidermal growth factor receptor isoform a precursor [Homo sapiens]	S1204	1.09	0.68	VAPQsSEFIGA	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 99.99	S(5): 100.0; S(6): 0.0	YLRVAPQsSEFIGA_	S5;	High	1414.681678					1	1	25.71	High	0.3846	2.587409735	High	0.0656	No
NP_057737.2	51776	82880648	ZAK	mitogen-activated protein kinase kinase kinase MLT isoform 1 [Homo sapiens]	S727	1.53	1.17	VSQSALNPHQsPDFK	1	1	2	0	2×TMT6plex [N-Term; K15]; 1×Phospho [S11(100)]	S11(Phospho): 100	S(2): 0.0; S(4): 0.0; S(11): 100.0	SALNPHQsPDFKRSP	S11;	High	2193.110554					1	1	25.7	High	0.9615	3.536488295	High	0.3729	Yes
NP_079216.4	80005	117553586	DOCK5	dedicator of cytokinesis protein 5 [Homo sapiens]	S1766	0.13	13.43	sLQLMDNR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0	RKAQRPKsLQLMDNR	S1;	High	1285.617304					1	1	25.7	High	0.8462	3.323198557	High	0.6295	Yes
NP_006258.3	5903	150418007	RANBP2	E3 SUMO-protein ligase RanBP2 [Homo sapiens]	S1835	1.12	0.62	LHDSSGsQVGTGFK	1	1	3	0	2×TMT6plex [N-Term; K14]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(4): 0.0; S(5): 0.0; S(7): 100.0; T(11): 0.0	KLHDSSGsQVGTGFK	S7;	High	1957.978478					1	1	25.65	High	0.1538	4.663012505	High	0.0172	Yes
NP_055871.1	23076	57863269	RRP1B	ribosomal RNA processing protein 1 homolog B [Homo sapiens]	S706	1.76	1.37	SILVsPTGPSR	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 99.99	S(1): 0.0; S(5): 100.0; T(7): 0.0; S(10): 0.0	TDKSILVsPTGPSRV	S5;	High	1422.755512					1	1	25.65	High	0.3077	2.874595404	High	0.0453	Yes
NP_055131.2	23589	109715858	CARHSP1	calcium-regulated heat stable protein 1 [Homo sapiens]	S41	0.97	1.97	GNVVPsPLPTR	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; T(10): 0.0	LRGNVVPsPLPTRRT	S6;	High	1445.771496					1	1	25.64	High	0.4231	2.793726206	High	0.362	Yes
NP_075388.2	65117	38146107	RSRC2	arginine/serine-rich coiled-coil protein 2 [Homo sapiens]	S104	2.07	0.49	LNsSENGEDRHK	1	1	4	1	2×TMT6plex [N-Term; K12]; 1×Deamidated [N6(100)]; 1×Phospho [S3(99.2)]	S3(Phospho): 99.22; N6(Deamidated): 100	S(3): 99.2; S(4): 0.8	KGRERLNsSENGEDR	S3;	High	1924.916606					1	1	25.63	High	0.3077	3.382629156	High	0.0059	Yes
NP_001163887.1	9414	282165810	TJP2	tight junction protein ZO-2 isoform 3 [Homo sapiens]	S205	0.48	1.45	SWEDsPER	1	6	2	0	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; S(5): 100.0	RSRSWEDsPERGRPH	S5;	High	1314.556478					1	1	25.63	High	0.8846	2.650117159	High	0.4717	No
NP_003886.3	8867	237757310	SYNJ1	synaptojanin-1 isoform a [Homo sapiens]	T1259	1.04	0.84	ASAGRLtPESQSK	1	4	2	1	2×TMT6plex [N-Term; K13]; 1×Phospho [T7(100)]	T7(Phospho): 100	S(2): 0.0; T(7): 100.0; S(10): 0.0; S(12): 0.0	RASAGRLtPESQSKT	T7;	High	1869.983563					1	1	25.6	High	0.6538	3.224859715	High	0.2826	No
NP_001273561.1	64062	557636651	RBM26	RNA-binding protein 26 isoform 2 [Homo sapiens]	S127	0.36	1.64	RLNHsPPQSSSR	1	3	2	1	1×TMT6plex [N-Term]; 1×Deamidated [N3(100)]; 1×Phospho [S5(100)]	S5(Phospho): 100; Q8(Deamidated): 100	S(5): 100.0; S(9): 0.0; S(10): 0.0; S(11): 0.0	FSRRLNHsPPQSSSR	S5;	High	1675.811464					1	1	25.6	High	1	2.942305088	High	0.3401	Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S148	0.41	0.32	LQsASPSTR	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; S(5): 0.0; S(7): 0.0; T(8): 0.0	EIRVRLQsASPSTRW	S3;	High	1255.624498					1	1	25.59	High	0.3846	3.007021427	High	0.0963	Yes
NP_001123917.1	6744	194363771	SSFA2	sperm-specific antigen 2 isoform 1 [Homo sapiens]	S668	2.7	2.28	SLAsIEAK	1	4	2	0	2×TMT6plex [N-Term; K8]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; S(4): 100.0	HILKSLAsIEAKCSD	S4;	High	1356.754004					1	1	25.58	High	0.6538	3.288725138	High	0.4043	Yes
NP_055446.2	9644	55749544	SH3PXD2A	SH3 and PX domain-containing protein 2A [Homo sapiens]	S974	1.21	3.45	NEsLTATDGLR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(5): 0.0; T(7): 0.0	CALRRNEsLTATDGL	S3;	High	1485.714769					1	1	25.58	High	0.0769	2.90330267	High	0.1138	No
NP_001184033.1	4297	308199413	KMT2A	histone-lysine N-methyltransferase 2A isoform 1 precursor [Homo sapiens]	S532	1.7	1.65	RYsVSER	1	2	2	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	Y(2): 0.0; S(3): 100.0; S(5): 0.0	DRRSRRYsVSERSFG	S3;	High	1205.587718					1	1	25.56	High	0.6154	2.854430199	High	0.193	Yes
NP_003371.2	7431	62414289	VIM	vimentin [Homo sapiens]	S10	0.89	0.73	SVSSSsYRR	1	1	6	1	1×TMT6plex [N-Term]; 1×Phospho [S6(99)]	S6(Phospho): 98.95	S(1): 0.0; S(3): 0.0; S(4): 0.0; S(5): 1.0; S(6): 99.0; Y(7): 0.0	TRSVSSSsYRRMFGG	S6;	High	1337.64121					1	1	25.51	High	0.8846	3.136156321	High	0.0414	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S414; T416	1.27	0.97	TRHsPtPQQSNR	1	3	5	1	1×TMT6plex [N-Term]; 1×Deamidated [Q/N]; 2×Phospho [S4(100); T6(100)]	S4(Phospho): 100; T6(Phospho): 100; Q8(Deamidated): 49.55; Q9(Deamidated): 49.55	T(1): 0.0; S(4): 100.0; T(6): 100.0; S(10): 0.0	PPPKTRHsPTPQQSN;PKTRHSPtPQQSNRT	S4; T6;	High	1798.783608					1	1	25.5	High	0.6923	3.686355591	High	0.0244	Yes;Yes
NP_001122092.1	5058	190886457	PAK1	serine/threonine-protein kinase PAK 1 isoform 1 [Homo sapiens]	S204	1.64	1.55	sVIEPLPVTPTR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(9): 0.0; T(11): 0.0	TKSVYTRsVIEPLPV	S1;	High	1617.88144					1	1	25.48	High	1	2.705053091	High	0.4834	Yes
NP_055706.1	11333	7657441	PDAP1	28 kDa heat- and acid-stable phosphoprotein [Homo sapiens]	S60; S63	1.48	1.1	SLDsDEsEDEEDDYQQKR	1	1	4	1	2×TMT6plex [N-Term; K17]; 2×Phospho [S4(100); S7(100)]	S4(Phospho): 100; S7(Phospho): 100	S(1): 0.0; S(4): 100.0; S(7): 100.0; Y(14): 0.0	KEKKSLDsDESEDEE;KSLDSDEsEDEEDDY	S4; S7;	High	2806.13816	4.92	4.89	10.3	7.6	2	2	25.46	High	0.56	3.284119368	High	0.4116	Yes;Yes
NP_056465.2	26146	20070262	TRAF3IP1	TRAF3-interacting protein 1 isoform 1 [Homo sapiens]	S476	1.58	0.53	RQDsMEALQMDR	1	2	2	1	1×TMT6plex [N-Term]; 2×Oxidation [M5(100); M10(100)]; 1×Phospho [S4(100)]	S4(Phospho): 100; M5(Oxidation): 100; M10(Oxidation): 100	S(4): 100.0	PRVKRQDsMEALQMD	S4;	High	1820.786965					1	1	25.46	High	1	2.811343193	High	0.573	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_060077.1	54776	14149716	PPP1R12C	protein phosphatase 1 regulatory subunit 12C isoform a [Homo sapiens]	S427	2.67	2.72	TGsSGALGPPER	1	2	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 99.99	T(1): 0.0; S(3): 100.0; S(4): 0.0	FGLLKTGsSGALGPP	S3;	High	1437.69364					1	1	25.45	High	0.48	2.839206934	High	0.1479	Yes
NP_004747.1	9253	10863899	NUMBL	numb-like protein isoform a [Homo sapiens]	S411	2.45	2.34	RTPsEAER	1	2	2	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	T(2): 0.0; S(4): 100.0	PGHKRTPsEAERWLE	S4;	High	1254.604097					1	1	25.43	High	0.48	3.238487005	High	0.1883	Yes
NP_055315.2	27336	21361437	HTATSF1	HIV Tat-specific factor 1 [Homo sapiens]	S387	2.3	1.68	SDsVSASER	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; S(5): 0.0; S(7): 0.0	RGLRRSDsVSASERA	S3;	High	1246.551392					1	1	25.42	High	0.44	3.030812025	High	0.0528	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S738	1.41	1.22	AAsPSPQSVR	1	3	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(99.2)]	S3(Phospho): 99.23	S(3): 99.2; S(5): 0.8; S(8): 0.0	KKIKKAAsPSPQSVR	S3;	High	1308.651047					1	1	25.41	High	0.08	3.304620028	High	0.1364	Yes
NP_003560.2	8417	170932494	STX7	syntaxin-7 [Homo sapiens]	S129	0.86	0.79	ASSRVsGSFPEDSSK	1	1	2	1	2ｧTMT6plex [N-Term; K15]; 1ｧPhospho [S6(100)]	S6(Phospho): 100	S(2): 0.0; S(3): 0.0; S(6): 100.0; S(8): 0.0; S(13): 0.0; S(14): 0.0	VRASSRVsGSFPEDS	S6;	High	2079.015985					1	1	25.4	High	0.44	4.627682209	High	0.0886	Yes
NP_001290203.1	47	740086846	ACLY	ATP-citrate synthase isoform 3 [Homo sapiens]	S535	0.36	3.11	AKPAMPQDSVPsPR	1	2	2	0	2ｧTMT6plex [N-Term; K2]; 1ｧPhospho [S12(100)]	S12(Phospho): 100	S(9): 0.0; S(12): 100.0	MPQDSVPsPRSLQGK	S12;	High	2019.049868					1	1	25.4	High	0.56	3.45838213	High	0.1069	No
NP_005091.2	9590	21493022	AKAP12	A-kinase anchor protein 12 isoform 1 [Homo sapiens]	S697; S698	6.71	3.12	RGSssDEEGGPK	1	2	3	1	2ｧTMT6plex [N-Term; K12]; 2ｧPhospho [S4(98.7); S5(100)]	S4(Phospho): 98.74; S5(Phospho): 100	S(3): 1.3; S(4): 98.7; S(5): 100.0	KRARRGSsSDEEGGP;RARRGSSsDEEGGPK	S4; S5;	High	1823.79781					1	1	25.36	High	0.12	5.047528267	High	0.0238	Yes;Yes
NP_001019907.1	80381	67188443	CD276	CD276 antigen isoform a precursor [Homo sapiens]	S525	1.6	0.9	HSDsKEDDGQEIA	1	2	2	1	2ｧTMT6plex [N-Term; K5]; 1ｧPhospho [S4(100)]	S4(Phospho): 99.98	S(2): 0.0; S(4): 100.0	QPLKHSDsKEDDGQE	S4;	High	1968.895201					1	1	25.36	High	0.36	3.509805441	High	0.1368	Yes
NP_001778.2	984	606215166	CDK11B	cyclin-dependent kinase 11B isoform 1 [Homo sapiens]	S47	0.86	2.01	RDsLEEGELR	1	6	2	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	DRDSKRDsLEEGELR	S3;	High	1512.725668					1	1	25.36	High	0.96	3.344828606	High	0.6108	Yes
NP_001274684.1	23142	567757475	DCUN1D4	DCN1-like protein 4 isoform 3 [Homo sapiens]	S115	0.71	0.64	RPAsGDDLSAK	1	4	2	0	2ｧTMT6plex [N-Term; K11]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(9): 0.0	RKKRRPAsGDDLSAK	S4;	High	1654.856572					1	1	25.35	High	0.72	3.30645895	High	0.432	No
NP_060644.4	55201	50428935	MAP1S	microtubule-associated protein 1S isoform 1 [Homo sapiens]	S759	1.12	1.3	AVPMAPAPAsPGSSNDSSAR	1	2	2	0	1ｧTMT6plex [N-Term]; 1ｧOxidation [M4(100)]; 1ｧDeamidated [N15(100)]; 1ｧPhospho [S10(100)]	M4(Oxidation): 100; S10(Phospho): 100; N15(Deamidated): 100	S(10): 100.0; S(13): 0.0; S(14): 0.0; S(17): 0.0; S(18): 0.0	PMAPAPAsPGSSNDS	S10;	High	2195.984144					1	1	25.34	High	0.64	3.655290127	High	0.2404	Yes
NP_001158136.1	375449	257467648	MAST4	microtubule-associated serine/threonine-protein kinase 4 isoform c [Homo sapiens]	S1384	0.67	0.88	TPsPTPQPTSPQR	1	5	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S10(99.2)]	S3(Phospho): 98.4	T(1): 0.0; S(3): 98.4; T(5): 1.6; T(9): 0.0; S(10): 0.0	SPLARTPsPTPQPTS	S3;	High	1702.836281					1	1	25.34	High	0.12	3.471511126	High	0.1009	No
NP_077295.1	79169	13236559	C1orf35	multiple myeloma tumor-associated protein 2 [Homo sapiens]	S216; T219	1.1	0.65	RPAEATsSPtSPERPR	1	1	4	0	1ｧTMT6plex [N-Term]; 2ｧPhospho [S7(98.3); T10(96.7)]	S7(Phospho): 98.27; T10(Phospho): 96.66	T(6): 1.7; S(7): 98.3; S(8): 1.7; T(10): 96.7; S(11): 1.7	RRPAEATsSPTSPER;AEATSSPtSPERPRH	S7; T10;	High	2127.978679	13.79	68.83	21.8	69.7	2	2	25.31	High	0.28	4.562340736	High	0.0614	Yes;Yes
NP_005361.2	4218	16933567	RAB8A	ras-related protein Rab-8A [Homo sapiens]	S185	1.37	0.91	KLEGNSPQGsNQGVK	1	1	2	1	3ｧTMT6plex [N-Term; K15; K]; 1ｧPhospho [S10(100)]	S10(Phospho): 100	S(6): 0.0; S(10): 100.0	EGNSPQGsNQGVKIT	S10;	High	2310.242186					1	1	25.31	High	0.84	3.891368866	High	0.4936	Yes
NP_057591.2	51755	157817023	CDK12	cyclin-dependent kinase 12 isoform 1 [Homo sapiens]	T692	1.7	1.31	AItPPQQPYK	1	2	2	0	2ｧTMT6plex [N-Term; K10]; 1ｧPhospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; Y(9): 0.0	SPEPKAItPPQQPYK	T3;	High	1680.91263					1	1	25.3	High	0.88	4.559256077	High	0.4912	Yes
NP_001243595.1	8603	375331932	FAM193A	protein FAM193A isoform 2 [Homo sapiens]	S383	0.81	1.17	EDGVLGSRsPR	1	4	2	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S9(98.9)]	S9(Phospho): 98.87	S(7): 1.1; S(9): 98.9	DGVLGSRsPRTEESK	S9;	High	1481.731088					1	1	25.3	High	0.2	4.007260323	High	0.1347	Yes
NP_005875.1	10298	5031975	PAK4	serine/threonine-protein kinase PAK 4 isoform 1 [Homo sapiens]	S148	1.2	0.99	FAGHSEAGGGsGDR	1	1	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S11(100)]	S11(Phospho): 100	S(5): 0.0; S(11): 100.0	HSEAGGGsGDRRRAG	S11;	High	1613.69068	4.66	9.8	7.9	13.8	2	2	25.27	High	0.44	4.081981182	High	0.3456	Yes
NP_001186549.1	135112	313850976	NCOA7	nuclear receptor coactivator 7 isoform 1 [Homo sapiens]	S384	1.18	0.78	ETSHGsPTVTK	1	3	2	0	2ｧTMT6plex [N-Term; K11]; 1ｧPhospho [S6(100)]	S6(Phospho): 100	T(2): 0.0; S(3): 0.0; S(6): 100.0; T(8): 0.0; T(10): 0.0	SRETSHGsPTVTKLS	S6;	High	1681.856237					1	1	25.26	High	0.2	3.809994936	High	0.2493	Yes
NP_874365.3	23513	355390313	SCRIB	protein scribble homolog isoform a [Homo sapiens]	S1475	0.86	2.43	VQsPEPPAPER	1	2	2	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [Q2(100)]; 1ｧPhospho [S3(100)]	Q2(Deamidated): 100; S3(Phospho): 100	S(3): 100.0	QERLRVQsPEPPAPE	S3;	High	1516.724606					1	1	25.26	High	1	2.918877363	High	0.6233	Yes
NP_680780.1	11273	27262649	ATXN2L	ataxin-2-like protein isoform C [Homo sapiens]	S339	1.19	1.45	QGSGREsPSLASR	1	7	2	1	1ｧTMT6plex [N-Term]; 1ｧDeamidated [Q1(100)]; 1ｧPhospho [S7(98.8)]	Q1(Deamidated): 100; S7(Phospho): 98.78	S(3): 0.0; S(7): 98.8; S(9): 1.2; S(12): 0.0	RQGSGREsPSLASRE	S7;	High	1641.779495					1	1	25.24	High	0.24	3.356130123	High	0.1161	Yes
NP_055885.3	23091	116008442	ZC3H13	zinc finger CCCH domain-containing protein 13 [Homo sapiens]	S1208	1.35	1.07	LRsPSNDSAHR	1	1	4	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; S(8): 0.0	HTSGRLRsPSNDSAH	S3;	High	1548.748135	9.51	9.54	18.2	14.5	2	2	25.22	High	0.76	4.35671711	High	0.1995	Yes
NP_001287875.1	54815	665821193	GATAD2A	transcriptional repressor p66-alpha isoform 1 [Homo sapiens]	S100; S107	1.29	1.2	RPPsPDVIVLsDNEQPSSPR	1	2	2	0	1ｧTMT6plex [N-Term]; 3ｧPhospho [S4(100); S11(100); S]	S4(Phospho): 100; S11(Phospho): 100; S17(Phospho): 50; S18(Phospho): 50	S(4): 100.0; S(11): 100.0; S(17): 50.0; S(18): 50.0	KSERRPPsPDVIVLS;SPDVIVLsDNEQPSS	S4; S11;	High	2659.17686					1	1	25.21	High	0.08	7.917581081	High	0.4684	Yes;Yes
NP_001127910.1	90102	197313730	PHLDB2	pleckstrin homology-like domain family B member 2 isoform a [Homo sapiens]	S204	0.87	1.83	SGAASMPSsPK	1	3	4	0	2ｧTMT6plex [N-Term; K11]; 1ｧOxidation [M6(100)]; 1ｧPhospho [S9(100)]	M6(Oxidation): 100; S9(Phospho): 98.47	S(1): 0.0; S(5): 0.0; S(8): 1.5; S(9): 98.5	GAASMPSsPKQARKM	S9;	High	1573.769731	108.53	81.58	222.8	925.7	2	2	25.2	High	0.44	4.151340485	High	0.0916	Yes
NP_001161726.1	54940	269914128	OCIAD1	OCIA domain-containing protein 1 isoform 4 [Homo sapiens]	S113	1.02	1.47	LENsPLGEALR	1	4	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	KFKKLENsPLGEALR	S4;	High	1507.77189					1	1	25.2	High	0.8	2.862614393	High	0.5	No
NP_055792.1	22985	7662238	ACIN1	apoptotic chromatin condensation inducer in the nucleus isoform 1 [Homo sapiens]	S657	1.04	0.88	SLsPGVSR	1	3	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(7): 0.0	SNSRKSLsPGVSRDS	S3;	High	1111.571006					1	1	25.2	High	0.64	2.656490326	High	0.3083	Yes
NP_005244.1	2355	4885245	FOSL2	fos-related antigen 2 [Homo sapiens]	S120	0.72	0.53	RDEQLsPEEEEK	1	1	2	1	2ｧTMT6plex [N-Term; K12]; 1ｧPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	RRRDEQLsPEEEEKR	S6;	High	2026.973452					1	1	25.19	High	0.76	3.030009985	High	0.495	Yes
NP_055446.2	9644	55749544	SH3PXD2A	SH3 and PX domain-containing protein 2A [Homo sapiens]	S696	1.1	0.84	SAsDAGIR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0	DLKPRSAsDAGIRGT	S3;	High	1085.51897					1	1	25.19	High	0.32	2.753000259	High	0.16	No
NP_004629.3	7916	314122241	PRRC2A	protein PRRC2A [Homo sapiens]	S380	1.21	0.96	KGNsPNSEPPTPK	1	1	2	1	3ｧTMT6plex [N-Term; K13; K]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(7): 0.0; T(11): 0.0	ADGKKGNsPNSEPPT	S4;	High	2120.135596					1	1	25.16	High	0.52	4.755387306	High	0.292	Yes
NP_001291744.1	23152	756140883	CIC	protein capicua homolog isoform CIC-L [Homo sapiens]	T472	0.84	1.47	ARtPLTAAQQK	1	1	2	1	2ｧTMT6plex [N-Term; K11]; 1ｧPhospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; T(6): 0.0	APAARARtPLTAAQQ	T3;	High	1722.966791					1	1	25.15	High	0.88	3.334362507	High	0.3033	No
NP_001119522.1	3068	186928819	HDGF	hepatoma-derived growth factor isoform b [Homo sapiens]	S181	1.69	1.56	RAGDLLEDsPK	1	3	2	1	2ｧTMT6plex [N-Term; K11]; 1ｧPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	AGDLLEDsPKRPKEA	S9;	High	1738.914087					1	1	25.11	High	0.76	4.722896576	High	0.5021	No
NP_612392.1	92154	46195763	MTSS1L	MTSS1-like protein [Homo sapiens]	T391	0.65	0.74	VGSHEQPSGAtLQR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [T11(100)]	T11(Phospho): 99.98	S(3): 0.0; S(8): 0.0; T(11): 100.0	HEQPSGAtLQRRKDR	T11;	High	1775.863893					1	1	25.1	High	0.2	4.611549854	High	0.1085	Yes
NP_076427.2	79098	145275189	C1orf116	specifically androgen-regulated gene protein isoform 1 [Homo sapiens]	S560	0.46	1.5	RLsYQGQSR	1	2	2	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; Y(4): 0.0; S(8): 0.0	EQSSKRLsYQGQSRD	S3;	High	1403.699394					1	1	25.1	High	1	3.10077548	High	0.1452	No
NP_079012.3	79792	83320070	GSDMD	gasdermin-D [Homo sapiens]	S252	2.54	1.47	STsEGAWPQLPSGLSMMR	1	1	4	0	1ｧTMT6plex [N-Term]; 2ｧOxidation [M16(100); M17(100)]; 1ｧPhospho [S3(97.6)]	S3(Phospho): 97.6; M16(Oxidation): 100; M17(Oxidation): 100	S(1): 0.0; T(2): 2.4; S(3): 97.6; S(12): 0.0; S(15): 0.0	TGHKRSTsEGAWPQL	S3;	High	2276.028986	12.97	8.99	49.3	18.8	2	2	25.09	High	0.2	5.430324078	High	0.0276	Yes
NP_001155133.1	23286	242247251	WWC1	protein KIBRA isoform 1 [Homo sapiens]	S947	2.28	0.63	LNRSDsDSSTLSK	1	3	2	1	2ｧTMT6plex [N-Term; K13]; 1ｧPhospho [S6(100)]	S6(Phospho): 99.98	S(4): 0.0; S(6): 100.0; S(8): 0.0; S(9): 0.0; T(10): 0.0; S(12): 0.0	CRLNRSDsDSSTLSK	S6;	High	1947.978872					1	1	25.08	High	0.44	3.243131876	High	0.1543	Yes
NP_004283.2	9610	68989256	RIN1	ras and Rab interactor 1 [Homo sapiens]	S333; S337	0.81	0.71	GsPATsPHLGR	1	1	5	0	1ｧTMT6plex [N-Term]; 2ｧPhospho [S2(100); S6(100)]	S2(Phospho): 100; S6(Phospho): 99.97	S(2): 100.0; T(5): 0.0; S(6): 100.0	GVPGSRGsPATSPHL;SRGSPATsPHLGRRR	S2; S6;	High	1468.654826	2.88	84.46	3.3	101.9	2	2	25.07	High	0.04	3.500399351	High	0.1086	Yes;Yes
NP_004806.3	9411	134304853	ARHGAP29	rho GTPase-activating protein 29 [Homo sapiens]	S949	1.73	1.58	ATsFEESER	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	T(2): 0.0; S(3): 100.0; S(7): 0.0	KIFERATsFEESERK	S3;	High	1364.593257					1	1	25.04	High	0.44	3.717357159	High	0.078	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1582	0.95	0.76	SGSsPEVDSK	1	1	2	0	2ｧTMT6plex [N-Term; K10]; 1ｧPhospho [S4(99.2)]	S4(Phospho): 99.2	S(1): 0.0; S(3): 0.8; S(4): 99.2; S(9): 0.0	QRSRSGSsPEVDSKS	S4;	High	1530.74529					1	1	25.04	High	0.24	2.658680916	High	0.0714	Yes
NP_001253975.1	122786	388490221	FRMD6	FERM domain-containing protein 6 isoform 2 [Homo sapiens]	S522; S525	0.44	0.9	GQsTDsLPQTICR	1	3	2	0	1ｧTMT6plex [N-Term]; 1ｧCarbamidomethyl [C12]; 2ｧPhospho [S3(100); S6(100)]	S3(Phospho): 99.99; S6(Phospho): 100	S(3): 100.0; T(4): 0.0; S(6): 100.0; T(10): 0.0	VVKLRGQsTDSLPQT;LRGQSTDsLPQTICR	S3; S6;	High	1851.791061					1	1	25.01	High	0.32	2.601603031	High	0.1731	Yes;Yes
NP_004827.4	9451	134304838	EIF2AK3	eukaryotic translation initiation factor 2-alpha kinase 3 precursor [Homo sapiens]	S1094	1.29	1.13	SRsLSSSGTK	1	1	2	1	2ｧTMT6plex [N-Term; K10]; 1ｧPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; S(5): 0.0; S(6): 0.0; S(7): 0.0; T(9): 0.0	VLRQRSRsLSSSGTK	S3;	High	1547.819458					1	1	25	High	0.44	3.313954353	High	0.1299	Yes
NP_000413.1	3872	4557701	KRT17	keratin, type I cytoskeletal 17 [Homo sapiens]	S13	0.26	0.42	QFTSSSsIK	1	1	2	0	2ｧTMT6plex [N-Term; K9]; 1ｧDeamidated [Q1(100)]; 1ｧPhospho [S6(100)]	Q1(Deamidated): 100; S7(Phospho): 100	T(3): 0.0; S(4): 0.0; S(5): 0.0; S(6): 0.0; S(7): 100.0	RQFTSSSsIKGSSGL	S7;	High	1523.775862					1	1	24.99	High	0.2	2.759255886	High	0.1087	Yes
NP_036387.2	22803	18860916	XRN2	5'-3' exoribonuclease 2 [Homo sapiens]	S499; S501	1.33	0.75	KAEDsDsEPEPEDNVR	1	1	2	1	2ｧTMT6plex [N-Term; K]; 1ｧDeamidated [N14(100)]; 2ｧPhospho [S5(100); S7(100)]	S5(Phospho): 100; S7(Phospho): 100; N14(Deamidated): 100	S(5): 100.0; S(7): 100.0	IKRKAEDsDSEPEPE;RKAEDSDsEPEPEDN	S5; S7;	High	2436.025697					1	1	24.96	High	1	3.523995399	High	0.5284	Yes;Yes
NP_001317.1	1479	4557495	CSTF3	cleavage stimulation factor subunit 3 isoform 1 [Homo sapiens]	S691	0.57	2.07	RPNEDsDEDEEK	1	1	2	0	2ｧTMT6plex [N-Term; K12]; 1ｧPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	VKRPNEDsDEDEEKG	S6;	High	2000.885031					1	1	24.95	High	1	3.995794296	High	0.5875	Yes
NP_116165.1	221037	118600981	JMJD1C	probable JmjC domain-containing histone demethylation protein 2C isoform a [Homo sapiens]	S652	1.03	0.59	ITHsPDSVK	1	2	2	0	2ｧTMT6plex [N-Term; K9]; 1ｧPhospho [S4(100)]	S4(Phospho): 99.99	T(2): 0.0; S(4): 100.0; S(7): 0.0	VKPKITHsPDSVKSK	S4;	High	1521.807831					1	1	24.95	High	0.32	2.946285486	High	0.1085	Yes
NP_001273561.1	64062	557636651	RBM26	RNA-binding protein 26 isoform 2 [Homo sapiens]	S127	1.29	1.21	LNHsPPQSSSR	1	3	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(8): 0.0; S(9): 0.0; S(10): 0.0	FSRRLNHsPPQSSSR	S4;	High	1518.726337	12.3	0.22	28	0.5	3	3	24.94	High	0.8	3.604678392	High	0.5083	Yes
NP_001171927.1	9665	297206752	KIAA0430	meiosis arrest female protein 1 isoform 2 [Homo sapiens]	S1093	0.83	0.77	SKsPVGNPQLIQFSR	1	3	3	1	2ｧTMT6plex [N-Term; K2]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(14): 0.0	PWLLRSKsPVGNPQL	S3;	High	2196.194224					1	1	24.92	High	0.12	5.174692631	High	0.029	Yes
NP_001931.2	1822	55750041	ATN1	atrophin-1 [Homo sapiens]	S632	1	1.18	TAsPPGPPPYGK	1	1	2	0	2ｧTMT6plex [N-Term; K12]; 1ｧPhospho [S3(98.8)]	S3(Phospho): 98.83	T(1): 1.2; S(3): 98.8; Y(10): 0.0	PAGYKTAsPPGPPPY	S3;	High	1706.891895					1	1	24.89	High	0.04	3.788391352	High	0.0633	Yes
NP_001099000.1	10487	157649073	CAP1	adenylyl cyclase-associated protein 1 [Homo sapiens]	S34	0.53	0.85	GYADsPSK	1	1	2	0	2ｧTMT6plex [N-Term; K8]; 1ｧPhospho [S5(100)]	S5(Phospho): 100	Y(2): 0.0; S(5): 100.0; S(7): 0.0	MHRGYADsPSKAGAA	S5;	High	1362.670669					1	1	24.88	High	0.68	3.005684376	High	0.1429	Yes
NP_060731.2	55763	30410720	EXOC1	exocyst complex component 1 isoform 1 [Homo sapiens]	S470	0.5	1.75	LTGsTSSLNK	1	2	2	0	2ｧTMT6plex [N-Term; K10]; 1ｧDeamidated [N9(100)]; 1ｧPhospho [S4(100)]	S4(Phospho): 99.99; N9(Deamidated): 100	T(2): 0.0; S(4): 100.0; T(5): 0.0; S(6): 0.0; S(7): 0.0	SSGKLTGsTSSLNKL	S4;	High	1546.812976					1	1	24.86	High	0.44	3.286120892	High	0.1216	Yes
NP_998760.1	23479	56699456	ISCU	iron-sulfur cluster assembly enzyme ISCU, mitochondrial isoform ISCU2 precursor [Homo sapiens]	S14	1.05	1.27	AAsALLLR	1	3	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	FRLRRAAsALLLRSP	S3;	High	1123.643777					1	1	24.84	High	0.68	2.761270523	High	0.3949	Yes
NP_004272.2	9531	14043024	BAG3	BAG family molecular chaperone regulator 3 [Homo sapiens]	S279	0.66	0.63	SSVQGASSREGsPAR	1	1	3	1	1ｧTMT6plex [N-Term]; 1ｧDeamidated [Q4(100)]; 2ｧPhospho [S12(100); S]	Q4(Deamidated): 100; S7(Phospho): 50; S8(Phospho): 50; S12(Phospho): 100	S(1): 0.0; S(2): 0.0; S(7): 50.0; S(8): 50.0; S(12): 100.0	GASSREGsPARSSTP	S12;	High	1865.799318					1	1	24.81	High	0.36	3.344001532	High	0.2006	Yes
NP_003065.3	6599	188536047	SMARCC1	SWI/SNF complex subunit SMARCC1 [Homo sapiens]	S330	2.34	0.93	HSPsPPPPTPTESR	1	1	3	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S4(98.9)]	S4(Phospho): 98.94	S(2): 1.1; S(4): 98.9; T(9): 0.0; T(11): 0.0; S(13): 0.0	RKRKHSPsPPPPTPT	S4;	High	1795.857745					1	1	24.8	High	0.88	2.841649294	High	0.0458	Yes
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S496	1.42	2.38	KETQsPEQVK	1	3	3	1	3ｧTMT6plex [N-Term; K10; K]; 1ｧDeamidated [Q4(100)]; 1ｧPhospho [S5(100)]	S5(Phospho): 100; Q8(Deamidated): 100	T(3): 0.0; S(5): 100.0	TVKKETQsPEQVKSE	S5;	High	1942.050136	4.86	1.65	9.8	5.5	2	2	24.78	High	0.2	3.296123743	High	0.2697	Yes
NP_005641.1	6942	31652244	TCF20	transcription factor 20 isoform 1 [Homo sapiens]	S1322	1.48	0.89	DLPsPDSR	1	2	4	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(7): 0.0	DSSKDLPsPDSRNCP	S4;	High	1195.555749					1	1	24.77	High	0.8	2.799552679	High	0.3321	Yes
NP_073609.2	64787	21264616	EPS8L2	epidermal growth factor receptor kinase substrate 8-like protein 2 [Homo sapiens]	T303	1.14	0.8	APAEGVLtLR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [T8(100)]	T8(Phospho): 100	T(8): 100.0	APAEGVLtLRARPPS	T8;	High	1335.723483					1	1	24.77	High	1	2.672635555	High	0.5094	Yes
NP_001387.2	1859	18765758	DYRK1A	dual specificity tyrosine-phosphorylation-regulated kinase 1A isoform 1 [Homo sapiens]	Y321	0.89	0.77	IYQyIQSR	1	7	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [Y4(100)]	Y4(Phospho): 99.99	Y(2): 0.0; Y(4): 100.0; S(7): 0.0	LGQRIYQyIQSRFYR	Y4;	High	1379.692183					1	1	24.71	High	0.48	3.026620626	High	0.2475	Yes
NP_005875.1	10298	5031975	PAK4	serine/threonine-protein kinase PAK 4 isoform 1 [Homo sapiens]	S181	1.84	1.19	DKRPLsGPDVGTPQPAGLASGAK	1	1	2	1	3ｧTMT6plex [N-Term; K2; K23]; 1ｧPhospho [S6(100)]	S6(Phospho): 99.96	S(6): 100.0; T(12): 0.0; S(20): 0.0	SRDKRPLsGPDVGTP	S6;	High	2986.632997					1	1	24.69	High	0.24	5.769155502	High	0.1213	Yes
NP_002464.1	4627	12667788	MYH9	myosin-9 [Homo sapiens]	S1943	0.82	1.48	GAGDGsDEEVDGK	1	1	2	0	2ｧTMT6plex [N-Term; K13]; 1ｧPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	RKGAGDGsDEEVDGK	S6;	High	1773.794425					1	1	24.67	High	1	3.333863735	High	0.5736	Yes
NP_005549.2	3898	20070205	LAD1	ladinin-1 [Homo sapiens]	S511	0.57	0.75	SDsSLDAEV	1	1	3	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(99.4)]	S3(Phospho): 99.43	S(1): 0.0; S(3): 99.4; S(4): 0.6	QWGQKSDsSLDAEV_	S3;	High	1231.52926					1	1	24.64	High	0.16	2.825286627	High	0.0495	No
NP_055792.1	22985	7662238	ACIN1	apoptotic chromatin condensation inducer in the nucleus isoform 1 [Homo sapiens]	S710	1.58	1.25	RLsQPESAEK	1	3	2	1	2ｧTMT6plex [N-Term; K10]; 1ｧDeamidated [Q4(100)]; 1ｧPhospho [S3(100)]	S3(Phospho): 100; Q4(Deamidated): 100	S(3): 100.0; S(7): 0.0	SVQARRLsQPESAEK	S3;	High	1683.871888					1	1	24.62	High	0.12	4.55600214	High	0.3268	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_001157945.1	54874	256600192	FNBP1L	formin-binding protein 1-like isoform 3 [Homo sapiens]	S295	1.13	0.86	TIsDGTISASKQESGK	1	3	2	1	3×TMT6plex [N-Term; K11; K16]; 1×Phospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; T(6): 0.0; S(8): 0.0; S(10): 0.0; S(14): 0.0	QHIYRTIsDGTISAS	S3;	High	2376.262647					1	1	24.62	High	0.44	4.347055435	High	0.0828	Yes
NP_001058.2	7153	19913406	TOP2A	DNA topoisomerase 2-alpha [Homo sapiens]	S1213	0.89	0.39	TQMAEVLPsPR	1	1	2	0	1×TMT6plex [N-Term]; 1×Oxidation [M3(100)]; 1×Phospho [S9(100)]	M3(Oxidation): 100; S9(Phospho): 100	T(1): 0.0; S(9): 100.0	QMAEVLPsPRGQRVI	S9;	High	1553.759611					1	1	24.61	High	1	2.62774229	High	0.5171	Yes
NP_116114.1	84811	14249338	BUD13	BUD13 homolog isoform 1 [Homo sapiens]	S235	1.87	1.18	HGsSDISSPR	1	1	5	0	1×TMT6plex [N-Term]; 2×Phospho [S3(98.6); S]	S3(Phospho): 98.75; S7(Phospho): 50; S8(Phospho): 50	S(3): 98.8; S(4): 1.3; S(7): 50.0; S(8): 50.0	PRRARHGsSDISSPR	S3;	High	1431.586806					1	1	24.6	High	0.08	3.348400831	High	0.2746	Yes
NP_005372.2	4691	55956788	NCL	nucleolin [Homo sapiens]	S145; S153	0.19		KEDsDEEEDDDsEEDEEDDEDEDEDEDEIEPAAMK	1	1	2	1	3×TMT6plex [N-Term; K35; K]; 1×Oxidation [M34(100)]; 2×Phospho [S4(100); S12(100)]	S4(Phospho): 100; S12(Phospho): 100; M34(Oxidation): 100	S(4): 100.0; S(12): 100.0	KNAKKEDsDEEEDDD;DEEEDDDsEEDEEDD	S4; S12;	High	4982.859354					1		24.57	High	1	6.70179987	High	0.7567	Yes;Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1866; S1869	0.44	1.05	sRAsPATHR	1	1	2	1	1×TMT6plex [N-Term]; 2×Phospho [S1(100); S4(100)]	S1(Phospho): 100; S4(Phospho): 100	S(1): 100.0; S(4): 100.0; T(7): 0.0	APWKRSRsRASPATH;KRSRSRAsPATHRRS	S1; S4;	High	1371.613295					1	1	24.57	High	0.72	3.42905283	High	0.414	Yes;Yes
NP_005137.1	9092	10863889	SART1	U4/U6.U5 tri-snRNP-associated protein 1 [Homo sapiens]	S84	1.18	1.09	ERsQAEPSER	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(8): 0.0	STHGRERsQAEPSER	S3;	High	1497.689617					1	1	24.56	High	0.68	3.674026966	High	0.4632	Yes
NP_001163887.1	9414	282165810	TJP2	tight junction protein ZO-2 isoform 3 [Homo sapiens]	S194	1.86	0.91	SRLNsHGGR	1	6	3	1	1×TMT6plex [N-Term]; 1×Deamidated [N4(100)]; 1×Phospho [S5(100)]	N4(Deamidated): 100; S5(Phospho): 100	S(1): 0.0; S(5): 100.0	SERSRLNsHGGRSRS	S5;	High	1293.626229					1	1	24.55	High	0.8	3.192141771	High	0.5298	No
NP_001092094.1	4281	148833499	MID1	E3 ubiquitin-protein ligase Midline-1 isoform 1 [Homo sapiens]	S92; S96	0.69	0.45	ASVsGPNsPSETRR	1	6	2	1	1×TMT6plex [N-Term]; 2×Phospho [S8(100); S/T]	S4(Phospho): 100; S8(Phospho): 100	S(2): 0.0; S(4): 100.0; S(8): 100.0; S(10): 0.0; T(12): 0.0	RFQKASVsGPNSPSE;ASVSGPNsPSETRRE	S4; S8;	High	1833.809488					1	1	24.54	High	0.12	3.461621046	High	0.4249	Yes;Yes
NP_996919.1	6938	46370080	TCF12	transcription factor 12 isoform a [Homo sapiens]	S67	1.48	1.01	GGTTSWGTSGQPsPSYDSSR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S13(98.2)]	S13(Phospho): 98.24	T(3): 0.0; T(4): 0.0; S(5): 0.0; T(8): 0.0; S(9): 0.0; S(13): 98.2; S(15): 1.8; Y(16): 0.0; S(18): 0.0; S(19): 0.0	WGTSGQPsPSYDSSR	S13;	High	2324.002965					1	1	24.53	High	0.08	3.149506569	High	0.1365	Yes
NP_065955.2	57664	238859651	PLEKHA4	pleckstrin homology domain-containing family A member 4 isoform 1 [Homo sapiens]	S194	0.68	0.52	ISEsPEVTR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 99.99	S(2): 0.0; S(4): 100.0; T(8): 0.0	EEGRISEsPEVTRLS	S4;	High	1326.650378					1	1	24.49	High	0.5833	2.565914392	High	0.1051	Yes
NP_003904.3	8899	89276756	PRPF4B	serine/threonine-protein kinase PRP4 homolog [Homo sapiens]	S292; S294	0.93	0.85	sRsPVDLR	1	1	2	1	1×TMT6plex [N-Term]; 2×Phospho [S1(100); S3(100)]	S1(Phospho): 100; S3(Phospho): 100	S(1): 100.0; S(3): 100.0	SRDRGKKsRSPVDLR;DRGKKSRsPVDLRGK	S1; S3;	High	1318.611898					1	1	24.48	High	1	3.120628595	High	0.5609	Yes;Yes
NP_065813.1	57522	44917604	SRGAP1	SLIT-ROBO Rho GTPase-activating protein 1 [Homo sapiens]	S906	1.26	0.72	GLNNDsPERR	1	1	3	1	1×TMT6plex [N-Term]; 1×Deamidated [N3(99.2)]; 1×Phospho [S6(100)]	N3(Deamidated): 99.21; S6(Phospho): 100	S(6): 100.0	NRGLNNDsPERRRRP	S6;	High	1467.679053					1	1	24.46	High	0.3333	3.048233747	High	0.0721	Yes
NP_055238.1	27125	7656879	AFF4	AF4/FMR2 family member 4 [Homo sapiens]	S549	1.07	1.28	QKsPAQSDSTTQR	1	1	4	1	2×TMT6plex [N-Term; K2]; 1×Deamidated [Q12(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; Q12(Deamidated): 100	S(3): 100.0; S(7): 0.0; S(9): 0.0; T(10): 0.0; T(11): 0.0	SGRGRQKsPAQSDST	S3;	High	1972.974121	2.87	6.3	4.3	11.4	2	2	24.43	High	0.7083	3.926292658	High	0.2952	Yes
NP_001281269.1	124245	661567300	ZC3H18	zinc finger CCCH domain-containing protein 18 isoform 1 [Homo sapiens]	S67; S74	0.81	1.33	GPSQEEEDNHsDEEDRAsEPK	1	2	2	1	2×TMT6plex [N-Term; K21]; 2×Phospho [S11(100); S18(100)]	S11(Phospho): 100; S18(Phospho): 100	S(3): 0.0; S(11): 100.0; S(18): 100.0	QEEEDNHsDEEDRAS;SDEEDRAsEPKSQDQ	S11; S18;	High	3003.229435					1	1	24.42	High	0.875	7.130373001	High	0.6101	Yes;Yes
NP_002219.1	3725	4758616	JUN	transcription factor AP-1 [Homo sapiens]	S63	5.97	2.04	AKNSDLLTsPDVGLLK	1	1	2	1	3×TMT6plex [N-Term; K2; K16]; 1×Phospho [S9(100)]	S9(Phospho): 99.98	S(4): 0.0; T(8): 0.0; S(9): 100.0	KNSDLLTsPDVGLLK	S9;	High	2438.387453					1	1	24.41	High	0.0833	5.382015228	High	0.0651	Yes
NP_065863.2	57572	157426887	DOCK6	dedicator of cytokinesis protein 6 [Homo sapiens]	S176	0.24	0.19	RGsGSPEDTPR	1	1	3	1	1×TMT6plex [N-Term]; 1×Phospho [S/T]	S3(Phospho): 99.97	S(3): 100.0; S(5): 0.0; T(9): 0.0	SNDSRRGsGSPEDTP	S3;	High	1467.679052					1	1	24.39	High	0.0417	2.806088924	High	0.0676	No
NP_057737.2	51776	82880648	ZAK	mitogen-activated protein kinase kinase kinase MLT isoform 1 [Homo sapiens]	S633	0.72	1.07	YQQITPVNQsR	1	1	4	0	1×TMT6plex [N-Term]; 1×Deamidated [Q2(99.1)]; 1×Phospho [S10(100)]	Q2(Deamidated): 99.13; S10(Phospho): 100	Y(1): 0.0; T(5): 0.0; S(10): 100.0	QITPVNQsRSSSPTQ	S10;	High	1643.799168					1	1	24.38	High	0.875	3.036650658	High	0.0395	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1975	0.9	0.86	SRTsPITR	1	1	3	1	1×TMT6plex [N-Term]; 1×Phospho [S4(98.8)]	S4(Phospho): 98.75	S(1): 0.0; T(3): 1.2; S(4): 98.8; T(7): 0.0	RRSRSRTsPITRRRS	S4;	High	1226.645567					1	1	24.37	High	0.125	3.592244387	High	0.0557	Yes
NP_001107648.1	121536	166795264	AEBP2	zinc finger protein AEBP2 isoform b [Homo sapiens]	S24	0.9	0.98	LSPLPPGsPGSAAR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S8(98.8)]	S8(Phospho): 98.78	S(2): 0.0; S(8): 98.8; S(11): 1.2	LSPLPPGsPGSAARG	S8;	High	1615.840638					1	1	24.37	High	0.6667	2.5741961	High	0.1245	Yes
NP_055852.2	23053	122114658	ZSWIM8	zinc finger SWIM domain-containing protein 8 isoform 1 [Homo sapiens]	S567	0.9	1.21	RLsAEGGDK	1	3	2	1	2×TMT6plex [N-Term; K9]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	QRGPRRLsAEGGDKA	S3;	High	1470.77178					1	1	24.35	High	0.7083	3.516742468	High	0.3466	Yes
NP_077741.2	1825	148539848	DSC3	desmocollin-3 isoform Dsc3b preproprotein [Homo sapiens]	T838	0.59	0.34	LGEESIRGHtG	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [T10(100)]	T10(Phospho): 100	S(5): 0.0; T(10): 100.0	EESIRGHtG_	T10;	High	1464.704539					1	1	24.35	High	0.7917	2.87163043	High	0.4425	No
NP_001129516.1	83590	209862889	TMUB1	transmembrane and ubiquitin-like domain-containing protein 1 [Homo sapiens]	T71	1.24	1.13	GEAPGAEtPSLR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [T8(100)]	T8(Phospho): 100	T(8): 100.0; S(10): 0.0	GEAPGAEtPSLRHRG	T8;	High	1493.719854					1	1	24.34	High	0.125	3.152108192	High	0.1175	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	T693; S696	0.69	1.43	APQtSSsPPPVR	1	3	8	0	1×TMT6plex [N-Term]; 2×Phospho [T4(97.1); S7(97.1)]	T4(Phospho): 97.81; S7(Phospho): 95.72	T(4): 97.8; S(5): 2.2; S(6): 4.3; S(7): 95.7	PRPRAPQtSSSPPPV;RAPQTSSsPPPVRRG	T4; S7;	High	1612.73347					1	1	24.3	High	0.25	3.026708126	High	0.0165	Yes;Yes
NP_003740.2	8660	38683860	IRS2	insulin receptor substrate 2 [Homo sapiens]	S1176	1.11	0.24	RHNSAsVENVSLR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(4): 0.0; S(6): 100.0; S(11): 0.0	PKRHNSAsVENVSLR	S6;	High	1777.890776					1	1	24.29	High	0.7083	3.580332756	High	0.1816	Yes
NP_116254.4	84951	157738639	TNS4	tensin-4 precursor [Homo sapiens]	S197	1.26	1.61	SsSESLIFSGNQGR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S2(100)]	S2(Phospho): 99.99	S(1): 0.0; S(2): 100.0; S(3): 0.0; S(5): 0.0; S(9): 0.0	VPRETRSsSESLIFS	S2;	High	1777.831924					1	1	24.25	High	0.2917	2.913386583	High	0.1031	No
NP_001166184.1	2803	289577134	GOLGA4	Golgin subfamily A member 4 isoform 1 [Homo sapiens]	S93	0.98	1.89	VPsVESLFR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0	KLQLRVPsVESLFRS	S3;	High	1342.696934					1	1	24.23	High	0.8333	2.910293341	High	0.3127	No
NP_009134.1	445815	6005709	PALM2-AKAP2	PALM2-AKAP2 protein isoform 1 [Homo sapiens]	S366	1.38	1.29	TNGHsPSQPR	1	5	3	0	1×TMT6plex [N-Term]; 2×Deamidated [N2(100); Q8(100)]; 1×Phospho [S5(100)]	N2(Deamidated): 100; S5(Phospho): 100; Q8(Deamidated): 100	T(1): 0.0; S(5): 100.0; S(7): 0.0	AERTNGHsPSQPRDA	S5;	High	1391.61539					1	1	24.22	High	0.4583	3.229215384	High	0.2415	No
NP_006654.2	10848	63003907	PPP1R13L	relA-associated inhibitor [Homo sapiens]	S395	0.8	1.01	AMLPGsPLFTR	1	1	2	0	1×TMT6plex [N-Term]; 1×Oxidation [M2(100)]; 1×Phospho [S6(100)]	M2(Oxidation): 100; S6(Phospho): 100	S(6): 100.0; T(10): 0.0	SRAMLPGsPLFTRAP	S6;	High	1514.763968					1	1	24.21	High	0.75	3.084460258	High	0.2565	Yes
NP_057572.5	51535	48255929	PPHLN1	periphilin-1 isoform 1 [Homo sapiens]	S133	1.73	1.23	DNTFFREsPVGR	1	8	2	1	1×TMT6plex [N-Term]; 1×Phospho [S8(100)]	S8(Phospho): 100	T(3): 0.0; S(8): 100.0	DNTFFREsPVGRKDS	S8;	High	1733.820965					1	1	24.2	High	0.9583	3.510870457	High	0.2279	Yes
NP_001116293.1	6418	170763500	SET	protein SET isoform 1 [Homo sapiens]	S7	2.88	2.78	RQsPLPPQK	1	1	27	1	2×TMT6plex [N-Term; K9]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	_MAPKRQsPLPPQKK	S3;	High	1588.897649	1.28	1.11	17.8	14.9	23	23	24.19	High	0.625	4.503668785	High	0.5289	Yes
NP_659001.2	8796	238908499	SCEL	sciellin isoform 1 [Homo sapiens]	S91	0.13	0.46	YSsDDTLDR	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(99.2)]	S3(Phospho): 99.23	Y(1): 0.0; S(2): 0.8; S(3): 99.2; T(6): 0.0	ATISRYSsDDTLDRI	S3;	High	1380.588172					1	1	24.19	High	0.1667	3.262872934	High	0.0644	Yes
NP_066973.2	23426	223890252	GRIP1	glutamate receptor-interacting protein 1 isoform 1 [Homo sapiens]	T920	0.53	0.5	SNtLPSDVGR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [T3(100)]	T3(Phospho): 100	S(1): 0.0; T(3): 100.0; S(6): 0.0	SQTTRSNtLPSDVGR	T3;	High	1354.656526					1	1	24.14	High	0.2083	2.695273161	High	0.1963	No
NP_115941.2	153090	94967023	DAB2IP	disabled homolog 2-interacting protein isoform 1 [Homo sapiens]	S967	0.7	1.01	QGPSPVsPNALDR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 99.99	S(4): 0.0; S(7): 100.0	KQGPSPVsPNALDRT	S7;	High	1646.810066					1	1	24.13	High	0.2083	2.767100334	High	0.1264	No
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S414; T416	1.39	1.05	TRHsPtPQQSNR	1	3	5	1	1×TMT6plex [N-Term]; 2×Phospho [S4(100); T6(100)]	S4(Phospho): 100; T6(Phospho): 99.97	T(1): 0.0; S(4): 100.0; T(6): 100.0; S(10): 0.0	PPPKTRHsPTPQQSN;PKTRHSPtPQQSNRT	S4; T6;	High	1797.799592					1	1	24.12	High	0.0417	3.831413746	High	0.0809	Yes;Yes
NP_005564.1	4001	5031877	LMNB1	lamin-B1 isoform 1 [Homo sapiens]	S23	0.9	0.93	AGGPTTPLsPTR	1	1	4	0	1×TMT6plex [N-Term]; 1×Phospho [S9(100)]	S9(Phospho): 100	T(5): 0.0; T(6): 0.0; S(9): 100.0; T(11): 0.0	GGPTTPLsPTRLSRL	S9;	High	1463.745675	26.34	26.01	34.5	35.1	2	2	24.11	High	0.2083	3.171811104	High	0.0315	Yes
NP_001163887.1	9414	282165810	TJP2	tight junction protein ZO-2 isoform 3 [Homo sapiens]	S446	0.97	1.86	SFsPEER	1	6	4	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0	IESNRSFsPEERRHQ	S3;	High	1160.518636					1	1	24.1	High	0.625	2.63055253	High	0.27	No
NP_361013.3	7798	216548085	LUZP1	leucine zipper protein 1 [Homo sapiens]	T510	1.02	0.99	tFSDTTHGSVPSDPLGR	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [T1(99)]	T1(Phospho): 99.05	T(1): 99.1; S(3): 1.0; T(5): 0.0; T(6): 0.0; S(9): 0.0; S(12): 0.0	KVEKTTRtFSDTTHG	T1;	High	2082.96948					1	1	24.08	High	0.1667	3.065800667	High	0.0163	Yes
NP_001191169.1	83874	323668286	TBC1D10A	TBC1 domain family member 10A isoform 1 [Homo sapiens]	S18	1.24	1.65	APAAGEsLSGTR	1	2	2	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 99.97	S(7): 100.0; S(9): 0.0; T(11): 0.0	RAPAAGEsLSGTRES	S7;	High	1425.69364					1	1	24.03	High	0.3333	2.730189323	High	0.1282	Yes
NP_055845.1	285527	119874201	FRYL	protein furry homolog-like [Homo sapiens]	T1959	1.35	0.38	SNtLDIMDGR	1	1	2	0	1×TMT6plex [N-Term]; 1×Oxidation [M7(100)]; 1×Phospho [T3(100)]	T3(Phospho): 100; M7(Oxidation): 100	S(1): 0.0; T(3): 100.0	GDRRRSNtLDIMDGR	T3;	High	1446.649726					1	1	24	High	0.4583	3.478144884	High	0.2471	Yes
NP_006156.2	4798	23346420	NFRKB	nuclear factor related to kappa-B-binding protein isoform 2 [Homo sapiens]	S323	2.18	1.9	KGsLAALYDLAVLK	1	2	2	1	3×TMT6plex [N-Term; K14; K]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; Y(8): 0.0	VNAGRKGsLAALYDL	S3;	High	2229.322669					1	1	23.98	High	0.5833	3.393148184	High	0.3864	No
NP_054878.5	29072	197313748	SETD2	histone-lysine N-methyltransferase SETD2 [Homo sapiens]	S624	1.61	1.17	LNDsPTLK	1	1	4	0	2×TMT6plex [N-Term; K8]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(6): 0.0	PSNRLNDsPTLKKLD	S4;	High	1425.775468	1.2	14.56	2.7	24.4	2	2	23.97	High	1	2.914006948	High	0.0928	Yes
NP_056425.1	26100	7661580	WIPI2	WD repeat domain phosphoinositide-interacting protein 2 isoform a [Homo sapiens]	S413	0.96	1.46	GTYVPSsPTR	1	3	2	0	1×TMT6plex [N-Term]; 1×Phospho [S7(99)]	S7(Phospho): 99.02	T(2): 0.0; Y(3): 0.0; S(6): 1.0; S(7): 99.0; T(9): 0.0	KGTYVPSsPTRLAYT	S7;	High	1373.666362					1	1	23.97	High	0.0833	2.862563848	High	0.0804	Yes
NP_877963.1	5335	33598946	PLCG1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1 isoform b [Homo sapiens]	S1248	3.84	4.46	AREGsFESR	1	2	2	1	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(8): 0.0	HGRAREGsFESRYQQ	S5;	High	1347.62556					1	1	23.88	High	0.75	3.535123587	High	0.1328	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1219	0.55	3.42	SGAGSsPETK	1	1	3	0	2×TMT6plex [N-Term; K10]; 1×Phospho [S6(100)]	S6(Phospho): 99.99	S(1): 0.0; S(5): 0.0; S(6): 100.0; T(9): 0.0	ERSGAGSsPETKEQN	S6;	High	1458.724161					1	1	23.87	High	0.2083	3.59226799	High	0.1086	Yes
NP_001278893.1	4301	634743290	MLLT4	afadin isoform 4 [Homo sapiens]	T1293	0.75	0.76	SVTPAStLTK	1	3	4	0	2×TMT6plex [N-Term; K10]; 1×Phospho [T7(100)]	T7(Phospho): 100	S(1): 0.0; T(3): 0.0; S(6): 0.0; T(7): 100.0; T(9): 0.0	KSVTPAStLTKSGPG	T7;	High	1542.854447	100.99	61.97	146.1	74.7	2	2	23.86	High	0.125	2.733311415	High	0.0733	No
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S925	0.83	0.62	SsPVPPVPERR	1	1	9	1	1×TMT6plex [N-Term]; 1×Phospho [S2(99.1)]	S2(Phospho): 99.11	S(1): 0.9; S(2): 99.1	PVPERRSsPVPPVPE	S2;	High	1529.803859	24.25	19.84	35.8	21.5	3	3	23.85	High	0.7083	4.78379488	High	0.046	Yes
NP_005096.1	9939	4826972	RBM8A	RNA-binding protein 8A [Homo sapiens]	S42	1.43	0.86	GRGFGsEEGSR	1	1	3	1	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(10): 0.0	RKGRGFGsEEGSRAR	S6;	High	1447.652838					1	1	23.84	High	0.7917	3.315921783	High	0.1054	Yes
NP_006266.2	6431	20127499	SRSF6	serine/arginine-rich splicing factor 6 [Homo sapiens]	S314; S316	1.92	1.44	ARsVsPPPK	1	1	3	1	2×TMT6plex [N-Term; K9]; 2×Phospho [S3(100); S5(100)]	S3(Phospho): 100; S5(Phospho): 100	S(3): 100.0; S(5): 100.0	VPPSKARsVSPPPKR;PSKARSVsPPPKRAT	S3; S5;	High	1556.800317	3.51	1.67	9.6	3.4	2	2	23.78	High	0.9167	3.81086731	High	0.5748	Yes;Yes
NP_003904.3	8899	89276756	PRPF4B	serine/threonine-protein kinase PRP4 homolog [Homo sapiens]	S366; S368	0.74	1.82	sRsPLLNDR	1	1	2	1	1×TMT6plex [N-Term]; 2×Phospho [S1(100); S3(100)]	S1(Phospho): 100; S3(Phospho): 100	S(1): 100.0; S(3): 100.0	PRDKSRRsRSPLLND;DKSRRSRsPLLNDRR	S1; S3;	High	1446.670476					1	1	23.76	High	1	3.007639408	High	0.5083	Yes;Yes
NP_001137451.1	54820	221316642	NDE1	nuclear distribution protein nudE homolog 1 [Homo sapiens]	S282	0.37	0.58	NLVYDQsPNR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	Y(4): 0.0; S(7): 100.0	RNLVYDQsPNRTGGP	S7;	High	1514.720189					1	1	23.73	High	1	2.851735115	High	0.2807	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S429	0.33	0.5	SsFSQHAR	1	6	3	0	1×TMT6plex [N-Term]; 1×Phospho [S2(100)]	S2(Phospho): 99.14	S(1): 0.9; S(2): 99.1; S(4): 0.0	ESTESRSsFSQHART	S2;	High	1228.567317	17.8	6.86	8.3	4.9	2	2	23.68	High	0.125	3.444930792	High	0.1017	Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S140	1.24	1.25	SQTREsEIR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(1): 0.0; T(3): 0.0; S(6): 100.0	GRSQTREsEIRVRLQ	S6;	High	1414.688889					1	1	23.64	High	0.75	2.696094513	High	0.1704	No
NP_001191397.1	8241	325120986	RBM10	RNA-binding protein 10 isoform 5 [Homo sapiens]	S788	0.82	2.23	LASDDRPsPPR	1	5	5	0	1×TMT6plex [N-Term]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(3): 0.0; S(8): 100.0	LASDDRPsPPRGLVA	S8;	High	1519.746738	2.1	2.35	3.4	10.5	4	4	23.63	High	0.9583	3.765265465	High	0.3263	No
NP_060947.1	55860	8923712	ACTR10	actin-related protein 10 [Homo sapiens]	S414	1.76	1.28	RAFsTEK	1	1	2	1	2×TMT6plex [N-Term; K7]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(5): 0.0	PLMKRAFsTEK_	S4;	High	1376.733938					1	1	23.6	High	0.5	3.10564208	High	0.0514	Yes
NP_036213.2	22936	155722987	ELL2	RNA polymerase II elongation factor ELL2 [Homo sapiens]	S305	1.03	1.89	SEsPVCSSR	1	1	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C6]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(7): 0.0; S(8): 0.0	AGTSRSEsPVCSSRD	S3;	High	1317.570748					1	1	23.59	High	0.5417	3.008607149	High	0.2525	Yes
NP_004783.2	9360	42560244	PPIG	peptidyl-prolyl cis-trans isomerase G [Homo sapiens]	S687	0.95	1.15	ADRDQsPFSK	1	1	3	1	2×TMT6plex [N-Term; K10]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(9): 0.0	KKADRDQsPFSKIKQ	S6;	High	1688.840922	0.01	0.83	0	1.4	2	2	23.58	High	0.7917	3.294712782	High	0.2492	Yes
NP_064703.1	57018	9945320	CCNL1	cyclin-L1 isoform 1 [Homo sapiens]	S352	1.18	1.46	AEEKsPISINVK	1	2	2	1	3×TMT6plex [N-Term; K4; K12]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(8): 0.0	EVKAEEKsPISINVK	S5;	High	2082.181484					1	1	23.58	High	1	2.963252068	High	0.2703	Yes
NP_008841.2	5930	33620769	RBBP6	E3 ubiquitin-protein ligase RBBP6 isoform 1 [Homo sapiens]	S772	0.84	0.83	SRsPQAFR	1	2	2	1	1×TMT6plex [N-Term]; 1×Phospho [S3(98.9)]	S3(Phospho): 98.92	S(1): 1.1; S(3): 98.9	RYHSRSRsPQAFRGQ	S3;	High	1257.630252					1	1	23.53	High	0.2917	2.923761129	High	0.1233	Yes
NP_056079.1	23313	57863293	KIAA0930	uncharacterized protein KIAA0930 isoform a [Homo sapiens]	S294; T298	1.01	1.34	VTSFsTPPtPER	1	2	3	0	1×TMT6plex [N-Term]; 2×Phospho [S5(98.4); T9(100)]	S5(Phospho): 98.44; T9(Phospho): 100	T(2): 0.0; S(3): 0.0; S(5): 98.4; T(6): 1.5; T(9): 100.0	HERVTSFsTPPTPER;TSFSTPPtPERNNRP	S5; T9;	High	1707.75935					1	1	23.53	High	0.4167	2.644544363	High	0.4356	No;No
NP_002266.2	3866	24430190	KRT15	keratin, type I cytoskeletal 15 [Homo sapiens]	S45	0.15	0.16	SIsASSAR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; S(5): 0.0; S(6): 0.0	GGGSRSIsASSARFV	S3;	High	1087.53462					1	1	23.53	High	0.5833	2.603212595	High	0.2846	No
NP_060191.3	54862	96974985	CC2D1A	coiled-coil and C2 domain-containing protein 1A [Homo sapiens]	S455	1.22	0.79	KQNsPVAPTAQPK	1	1	2	1	3×TMT6plex [N-Term; K13; K]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(9): 0.0	EVPKKQNsPVAPTAQ	S4;	High	2133.203616					1	1	23.52	High	0.9167	3.353449583	High	0.5284	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_689473.1	27079	23308689	RPUSD2	RNA pseudouridylate synthase domain-containing protein 2 isoform 1 [Homo sapiens]	S68	1.25	1.37	VELsPGPPKPAGR	1	2	2	0	2ﾗTMT6plex [N-Term; K9]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	GDAKVELsPGPPKPA	S4;	High	1843.024306					1	1	23.45	High	1	3.686478376	High	0.645	Yes
NP_003617.1	8500	4505983	PPFIA1	liprin-alpha-1 isoform b [Homo sapiens]	S763	0.21	0.1	GALHTVsHEDIR	1	2	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	T(5): 0.0; S(7): 100.0	KGALHTVsHEDIRDI	S7;	High	1643.810401					1	1	23.44	High	0.0435	4.631454468	High	0.1641	Yes
NP_001035088.2	644815	115392150	FAM83G	protein FAM83G [Homo sapiens]	S760	1.18	1.12	LLPDPGsPR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	RLLPDPGsPRLAQNA	S7;	High	1260.65507					1	1	23.42	High	0.9565	2.727941275	High	0.641	Yes
NP_000284.1	5257	4505783	PHKB	phosphorylase b kinase regulatory subunit beta isoform a [Homo sapiens]	S27	2.78	2.41	SGsVYEPLK	1	2	2	0	2ﾗTMT6plex [N-Term; K9]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; Y(5): 0.0	ARTKRSGsVYEPLKS	S3;	High	1517.801683					1	1	23.4	High	0.4783	3.051341772	High	0.2164	Yes
NP_055845.1	285527	119874201	FRYL	protein furry homolog-like [Homo sapiens]	T1959	1.03	0.5	RSNtLDIMDGR	1	1	2	1	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M8(100)]; 1ﾗPhospho [T4(100)]	T4(Phospho): 100; M8(Oxidation): 100	S(2): 0.0; T(4): 100.0	GDRRRSNtLDIMDGR	T4;	High	1602.750837					1	1	23.37	High	0.2609	3.77963829	High	0.0582	Yes
NP_001291744.1	23152	756140883	CIC	protein capicua homolog isoform CIC-L [Homo sapiens]	S768	1.2	0.99	AVsPAVPFSR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(9): 0.0	PAGFRAVsPAVPFSR	S3;	High	1339.697269					1	1	23.36	High	0.6957	3.177361488	High	0.3333	No
NP_001281269.1	124245	661567300	ZC3H18	zinc finger CCCH domain-containing protein 18 isoform 1 [Homo sapiens]	S95	0.8	3.63	GPTSsPCEEEGDEGEEDRTSDLR	1	2	3	1	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C7]; 1ﾗPhospho [S5(98.3)]	S5(Phospho): 98.3	T(3): 0.0; S(4): 1.7; S(5): 98.3; T(19): 0.0; S(20): 0.0	LSRGPTSsPCEEEGD	S5;	High	2861.161786					1	1	23.36	High	0.0435	2.999067545	High	0.0367	Yes
NP_036442.3	24137	116686122	KIF4A	chromosome-associated kinesin KIF4A [Homo sapiens]	S801	1.66	1.71	TFsLTEVR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; T(5): 0.0	KLRRRTFsLTEVRGQ	S3;	High	1261.639085					1	1	23.36	High	0.4348	2.649867535	High	0.1887	Yes
NP_078947.3	79724	146198654	ZNF768	zinc finger protein 768 [Homo sapiens]	S125	0.72	1.68	YEPQsPGYEPR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	Y(1): 0.0; S(5): 100.0; Y(8): 0.0	SPRYEPQsPGYEPRS	S5;	High	1631.730419					1	1	23.34	High	0.5652	2.773336172	High	0.0794	Yes
NP_067051.2	58506	226509740	SCAF1	splicing factor, arginine/serine-rich 19 [Homo sapiens]	S975	1.11	1.37	VPsTPPPK	1	1	3	0	2ﾗTMT6plex [N-Term; K8]; 1ﾗPhospho [T4(100)]	S3(Phospho): 99.26	S(3): 99.3; T(4): 0.7	ERAAKVPsTPPPKAA	S3;	High	1360.764175					1	1	23.32	High	0.2609	2.698767662	High	0.0852	Yes
NP_001104026.1	2316	160420317	FLNA	filamin-A isoform 2 [Homo sapiens]	S1084	0.98	0.66	AFGPGLQGGSAGsPAR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q7(100)]; 1ﾗPhospho [S13(100)]	Q7(Deamidated): 100; S13(Phospho): 99.99	S(10): 0.0; S(13): 100.0	LQGGSAGsPARFTID	S13;	High	1739.831531					1	1	23.31	High	0.3043	2.920670748	High	0.1027	Yes
NP_003933.1	8986	4506735	RPS6KA4	ribosomal protein S6 kinase alpha-4 isoform a [Homo sapiens]	S745	1.09	1.29	RGsPAPANPGR	1	3	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	ATASRRGsPAPANPG	S3;	High	1388.699728					1	1	23.26	High	1	3.891800165	High	0.6555	Yes
NP_689929.2	219988	189217919	PATL1	protein PAT1 homolog 1 [Homo sapiens]	S179; S184	1.16	0.92	STsPIIGsPPVR	1	1	3	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S3(100); S8(100)]	S3(Phospho): 99.97; S8(Phospho): 100	S(1): 0.0; T(2): 0.0; S(3): 100.0; S(8): 100.0	ALPRRSTsPIIGSPP;STSPIIGsPPVRAVP	S3; S8;	High	1599.774607					1	1	23.24	High	0.1304	3.008464098	High	0.0299	Yes;Yes
NP_002101.2	3055	30795229	HCK	tyrosine-protein kinase HCK isoform a [Homo sapiens]	T412	1.54	1.36	VIEDNEYtAR	1	7	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T8(100)]	T8(Phospho): 99.99	Y(7): 0.0; T(8): 100.0	VIEDNEYtAREGAKF	T8;	High	1518.70387					1	1	23.23	High	1	3.024587393	High	0.0629	Yes
NP_694985.29	6494	206725526	SIPA1	signal-induced proliferation-associated protein 1 [Homo sapiens]	S55	1.66	1.36	SGsDAGEARPPTPASPR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.96	S(1): 0.0; S(3): 100.0; T(12): 0.0; S(15): 0.0	GPLLRSGsDAGEARP	S3;	High	1961.92795					1	1	23.18	High	0.3043	4.468791485	High	0.1186	Yes
NP_005905.2	4173	33469919	MCM4	DNA replication licensing factor MCM4 [Homo sapiens]	S31	1.13	0.26	SEDARsSPSQR	1	1	3	1	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q10(100)]; 1ﾗPhospho [S6(98.4)]	S6(Phospho): 98.38; Q10(Deamidated): 100	S(1): 0.0; S(6): 98.4; S(7): 1.6; S(9): 0.0	PRSEDARsSPSQRRR	S6;	High	1529.679447					1	1	23.13	High	0.087	3.550752163	High	0.031	Yes
NP_000290.2	5317	53729346	PKP1	plakophilin-1 isoform 1b [Homo sapiens]	S155	0.27	0.52	ASRsEPDLYCDPR	1	2	6	1	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C10]; 1ﾗPhospho [S4(100)]	S4(Phospho): 99.22	S(2): 0.8; S(4): 99.2; Y(9): 0.0	QKIKASRsEPDLYCD	S4;	High	1874.830544	32.5	52.3	12.5	40.3	2	2	23.13	High	0.7391	3.543133497	High	0.0452	Yes
NP_002645.3	5315	33286418	PKM	pyruvate kinase PKM isoform a [Homo sapiens]	S437	0.81	0.44	SGRsAHQVAR	1	3	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(98.9)]	S4(Phospho): 98.93	S(1): 1.1; S(4): 98.9	VLTKSGRsAHQVARY	S4;	High	1377.694977					1	1	23.08	High	0.1304	3.944456577	High	0.1777	No
NP_056390.2	26058	42476299	GIGYF2	PERQ amino acid-rich with GYF domain-containing protein 2 isoform b [Homo sapiens]	S236	1.18	1.18	WRPHsPDGPR	1	2	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	GERWRPHsPDGPRSA	S5;	High	1513.726277	0.97	1.72	2	3.5	3	3	23	High	1	4.259009361	High	0.4883	Yes
NP_072096.2	64599	92087055	GIGYF1	PERQ amino acid-rich with GYF domain-containing protein 1 [Homo sapiens]	S230	0.96	1.08	SAsPDGGPR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0	GDRWRSAsPDGGPRS	S3;	High	1152.524784					1	1	22.96	High	0.5217	2.631608009	High	0.076	Yes
NP_073568.2	64710	56118310	NUCKS1	nuclear ubiquitous casein and cyclin-dependent kinase substrate 1 [Homo sapiens]	S181	0.68	0.75	ATVTPsPVKGK	1	1	2	1	3ﾗTMT6plex [N-Term; K9; K11]; 1ﾗPhospho [S6(100)]	S6(Phospho): 99.99	T(2): 0.0; T(4): 0.0; S(6): 100.0	LKATVTPsPVKGKGK	S6;	High	1852.091212					1	1	22.93	High	0.5217	2.862789392	High	0.1503	Yes
NP_055885.3	23091	116008442	ZC3H13	zinc finger CCCH domain-containing protein 13 [Homo sapiens]	S1191	1.45	1.22	SSsLGSNR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(99.2)]	S3(Phospho): 99.25	S(1): 0.0; S(2): 0.8; S(3): 99.3; S(6): 0.0	MDQKRSSsLGSNRSN	S3;	High	1116.524784					1	1	22.86	High	0.2174	2.623080254	High	0.0992	Yes
NP_055446.2	9644	55749544	SH3PXD2A	SH3 and PX domain-containing protein 2A [Homo sapiens]	S378	0.73	0.64	LAQGsPAVAR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q3(100)]; 1ﾗPhospho [S5(100)]	Q3(Deamidated): 100; S5(Phospho): 100	S(5): 100.0	VSRLAQGsPAVARIA	S5;	High	1279.660884					1	1	22.83	High	0.6957	2.929629326	High	0.5836	No
NP_620152.1	129138	20270347	ANKRD54	ankyrin repeat domain-containing protein 54 [Homo sapiens]	S63	1.53	1.46	ASGGAQsPLR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(2): 0.0; S(7): 100.0	RASGGAQsPLRYLHV	S7;	High	1252.624832					1	1	22.81	High	0.913	2.888468742	High	0.474	Yes
NP_109587.1	5605	13489054	MAP2K2	dual specificity mitogen-activated protein kinase kinase 2 [Homo sapiens]	T394	0.68	0.68	LNQPGtPTR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T6(100)]	T6(Phospho): 100	T(6): 100.0; T(8): 0.0	LRLNQPGtPTRTAV_	T6;	High	1292.656132					1	1	22.72	High	0.6087	2.679802418	High	0.1493	Yes
NP_005872.2	10295	171906589	BCKDK	[3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, mitochondrial isoform a precursor [Homo sapiens]	S31	0.6	0.16	sTSATDTHHVEMAR	1	3	5	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M12(100)]; 1ﾗPhospho [S1(98.5)]	S1(Phospho): 96.01; M12(Oxidation): 100	S(1): 96.0; T(2): 2.0; S(3): 2.0; T(5): 0.0; T(7): 0.0	ALALRARsTSATDTH	S1;	High	1867.820708	3.52	299.98	3	73.9	2	2	22.68	High	0.1304	4.118113995	High	0.051	Yes
NP_005753.1	10155	5032179	TRIM28	transcription intermediary factor 1-beta [Homo sapiens]	S473	1.87	2.46	SRsGEGEVSGLMR	1	1	4	1	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M12(100)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.97; M12(Oxidation): 100	S(1): 0.0; S(3): 100.0; S(9): 0.0	SGVKRSRsGEGEVSG	S3;	High	1689.782866	7.92	16.03	21.1	60.3	2	2	22.67	High	0.3478	4.649195671	High	0.0839	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S406; S414	0.6	0.64	ASSHsSQTQGGGsVTK	1	6	2	0	2ﾗTMT6plex [N-Term; K16]; 3ﾗPhospho [S5(95.7); S13(99.9); S/T]	S2(Phospho): 50.71; S3(Phospho): 50.71; S5(Phospho): 95.72; S13(Phospho): 99.9	S(2): 50.7; S(3): 50.7; S(5): 95.7; S(6): 2.9; T(8): 0.0; S(13): 99.9; T(15): 0.1	RGRASSHsSQTQGGG;SQTQGGGsVTKKRKL	S5; S13;	High	2216.939145					1	1	22.62	High	0.1739	3.21116519	High	0.2492	Yes;Yes
NP_659419.3	196441	87116683	ZFC3H1	zinc finger C3H1 domain-containing protein [Homo sapiens]	S949	0.9	1.03	LDSsPVSSPR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(99.1)]	S4(Phospho): 99.09	S(3): 0.9; S(4): 99.1; S(7): 0.0; S(8): 0.0	KMMRLDSsPVSSPRK	S4;	High	1353.661277					1	1	22.62	High	0.1739	3.165347576	High	0.0063	Yes
NP_680780.1	11273	27262649	ATXN2L	ataxin-2-like protein isoform C [Homo sapiens]	S680	0.57	0.89	STsTPTSPGPR	1	7	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.96	S(1): 0.0; T(2): 0.0; S(3): 100.0; T(4): 0.0; T(6): 0.0; S(7): 0.0	LSVNKSTsTPTSPGP	S3;	High	1396.667091					1	1	22.52	High	0.2609	2.692270756	High	0.0595	Yes
NP_001166171.1	134549	289577098	SHROOM1	protein Shroom1 isoform 1 [Homo sapiens]	S188	1.57	2.8	SAsLSHPGGEGEPAR	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(98.4)]	S3(Phospho): 98.43	S(1): 1.6; S(3): 98.4; S(5): 0.0	ATHPRSAsLSHPGGE	S3;	High	1760.816608					1	1	22.47	High	0.5455	3.448453903	High	0.058	Yes
NP_055820.2	283638	326319990	CEP170B	centrosomal protein of 170 kDa protein B isoform 2 [Homo sapiens]	S549	1.63	1.16	GDRDEsDDGGVAQR	1	2	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	IRGDRDEsDDGGVAQ	S6;	High	1785.760216					1	1	22.44	High	1	3.110503674	High	0.6013	No
NP_065883.1	57592	24308227	ZNF687	zinc finger protein 687 [Homo sapiens]	S433	1.86	0.67	KAVVLPGGTATsPK	1	1	4	1	3ﾗTMT6plex [N-Term; K14; K]; 1ﾗPhospho [S12(99)]	S12(Phospho): 99.02	T(9): 0.0; T(11): 1.0; S(12): 99.0	LPGGTATsPKMIAKN	S12;	High	2093.233854					1	1	22.42	High	0.0455	5.687260628	High	0.0105	Yes
NP_003371.2	7431	62414289	VIM	vimentin [Homo sapiens]	S73	1.16	1.1	LRSsVPGVR	1	1	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 99.99	S(3): 0.0; S(4): 100.0	SAVRLRSsVPGVRLL	S4;	High	1279.708502					1	1	22.33	High	0.0909	3.995172501	High	0.0225	Yes
NP_001258898.1	3326	431822401	HSP90AB1	heat shock protein HSP 90-beta isoform a [Homo sapiens]	S445	0.99	1.02	LGIHEDsTNR	1	3	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(99.5)]	S7(Phospho): 99.52	S(7): 99.5; T(8): 0.5	KLGIHEDsTNRRRLS	S7;	High	1450.688889					1	1	22.32	High	0.1818	2.818605423	High	0.039	Yes
NP_005392.2	5784	34328899	PTPN14	tyrosine-protein phosphatase non-receptor type 14 [Homo sapiens]	S512	1	0.89	LVsPSDQR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0	VYSNKLVsPSDQRNP	S3;	High	1210.603034					1	1	22.29	High	0.5455	2.589469194	High	0.139	Yes
NP_055601.2	9828	21361458	ARHGEF17	rho guanine nucleotide exchange factor 17 [Homo sapiens]	S420	0.26	3.46	SPsFGAGEGLLR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0	WGVYRSPsFGAGEGL	S3;	High	1499.745675					1	1	22.24	High	0.4545	2.650682211	High	0.1698	Yes
NP_002220.1	3726	4504809	JUNB	transcription factor jun-B [Homo sapiens]	T255; S259	1.18	0.65	DAtPPVsPINMEDQER	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M11(100)]; 2ﾗPhospho [T3(100); S7(100)]	T3(Phospho): 100; S7(Phospho): 100; M11(Oxidation): 100	T(3): 100.0; S(7): 100.0	EARSRDAtPPVSPIN;RDATPPVsPINMEDQ	T3; S7;	High	2203.918112					1	1	22.2	High	1	3.722020864	High	0.5538	Yes;Yes
NP_004272.2	9531	14043024	BAG3	BAG family molecular chaperone regulator 3 [Homo sapiens]	S289	0.83	0.67	SSTPLHsPSPIR	1	1	4	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S7(100); S/T]	S2(Phospho): 49.53; T3(Phospho): 49.53; S7(Phospho): 99.96	S(1): 0.9; S(2): 49.5; T(3): 49.5; S(7): 100.0; S(9): 0.0	RSSTPLHsPSPIRVH	S7;	High	1667.775669					1	1	22.14	High	0.3636	3.903260946	High	0.0923	Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S148	0.56	0.44	LQsASPSTR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q2(100)]; 1ﾗPhospho [S3(100)]	Q2(Deamidated): 100; S3(Phospho): 99.99	S(3): 100.0; S(5): 0.0; S(7): 0.0; T(8): 0.0	EIRVRLQsASPSTRW	S3;	High	1256.608514	40.34	57.22	32.9	36.8	2	2	22.12	High	0.0909	3.028934002	High	0.1155	Yes
NP_005806.2	10224	194018515	ZNF443	zinc finger protein 443 [Homo sapiens]	S179	0.13	2.28	SFsSLGNLQR	1	2	3	0	1ﾗTMT6plex [N-Term]; 2ﾗDeamidated [N7(100); Q9(100)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99; N7(Deamidated): 100; Q9(Deamidated): 100	S(1): 0.0; S(3): 100.0; S(4): 0.0	KECGKSFsSLGNLQR	S3;	High	1419.671843	387.3	49.77	79.6	347.6	2	2	22.1	High	0.5	2.746950626	High	0.1091	No
NP_001185537.1	9053	310750348	MAP7	ensconsin isoform 1 [Homo sapiens]	S337	2.16	1.11	RAVsPSNPK	1	8	2	1	2ﾗTMT6plex [N-Term; K9]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(6): 0.0	SGTRRAVsPSNPKAR	S4;	High	1493.82415					1	1	22.09	High	0.5909	3.191895723	High	0.2476	No
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	T1492	0.87	1.4	ALPQtPRPR	1	1	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T5(100)]	T5(Phospho): 100	T(5): 100.0	EPKALPQtPRPRSRS	T5;	High	1344.735051	8.92	2.12	10.9	4.2	2	2	22.07	High	1	3.29786396	High	0.5485	Yes
NP_001128119.1	60312	197382472	AFAP1	actin filament-associated protein 1 isoform A [Homo sapiens]	S632	2.15	0.92	TGsNAAQYK	1	2	2	0	2ﾗTMT6plex [N-Term; K9]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; Y(8): 0.0	AVVKRTGsNAAQYKY	S3;	High	1477.74523					1	1	22.05	High	0.5	3.308564425	High	0.1722	No
NP_006319.1	10432	5454064	RBM14	RNA-binding protein 14 isoform 1 [Homo sapiens]	T206	1.06	1.43	QPtPPFFGR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T3(100)]	T3(Phospho): 100	T(3): 100.0	DGQARQPtPPFFGRD	T3;	High	1355.671054	5.58	2.39	8.4	4.9	2	2	21.83	High	0.9545	2.939456701	High	0.602	Yes
NP_005768.1	10180	5032033	RBM6	RNA-binding protein 6 isoform 1 [Homo sapiens]	S1025	0.98	1.96	LQSFDsPER	1	2	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(3): 0.0; S(6): 100.0	EKLQSFDsPERKRIK	S6;	High	1387.645627					1	1	21.82	High	0.5909	3.094195843	High	0.2621	Yes
NP_068799.2	7707	145386566	ZNF148	zinc finger protein 148 [Homo sapiens]	S784	0.22	0.59	AGMTSsPDATTGQTFG	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗOxidation [M3(100)]; 1ﾗPhospho [S6(97.7)]	M3(Oxidation): 100; S6(Phospho): 97.72	T(4): 0.0; S(5): 2.3; S(6): 97.7; T(10): 0.0; T(11): 0.0; T(14): 0.0	NRAGMTSsPDATTGQ	S6;	High	1853.782591					1	1	21.82	High	0.2727	2.83019352	High	0.053	Yes
NP_006411.2	10564	150417986	ARFGEF2	brefeldin A-inhibited guanine nucleotide-exchange protein 2 [Homo sapiens]	S227	1.8	1.36	ELEKPIQSKPQSPVIQAAAVsPK	1	1	4	0	4ﾗTMT6plex [N-Term; K4; K9; K23]; 1ﾗDeamidated [Q7(98.4)]; 1ﾗPhospho [S21(100)]	Q7(Deamidated): 98.43; S21(Phospho): 100	S(8): 0.0; S(12): 0.0; S(21): 100.0	VIQAAAVsPKFVRLK	S21;	High	3442.973225					1	1	21.8	High	0.7727	6.698446274	High	0.006	Yes
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S31	0.11	0.12	TsFTSVSR	1	1	4	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(99.1)]	S2(Phospho): 99.99	T(1): 0.0; S(2): 100.0; T(4): 0.0; S(5): 0.0; S(7): 0.0	TPSVSRTsFTSVSRS	S2;	High	1193.576485	156.87	303.77	31.4	70.2	3	3	21.7	High	0.6364	2.847903013	High	0.0947	Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S140	1.16	1.14	SQTREsEIR	1	1	2	1	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q2(100)]; 1ﾗPhospho [S6(100)]	Q2(Deamidated): 100; S6(Phospho): 100	S(1): 0.0; T(3): 0.0; S(6): 100.0	GRSQTREsEIRVRLQ	S6;	High	1415.672905					1	1	21.68	High	0.6364	3.111122608	High	0.2733	No
NP_065859.3	57568	112421013	SIPA1L2	signal-induced proliferation-associated 1-like protein 2 [Homo sapiens]	S1488	1.49	1.98	TLsDESICSNR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C8]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; S(6): 0.0; S(9): 0.0	RSLYRTLsDESICSN	S3;	High	1590.703218					1	1	21.66	High	0.3636	2.65285182	High	0.283	Yes
NP_003741.1	8661	4503509	EIF3A	eukaryotic translation initiation factor 3 subunit A [Homo sapiens]	S1188	0.83	0.75	AREEsWGPPR	1	1	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	KEKAREEsWGPPRES	S5;	High	1493.709959					1	1	21.64	High	1	3.956631899	High	0.6162	Yes
NP_982278.3	403313	66773040	PPAPDC2	presqualene diphosphate phosphatase [Homo sapiens]	S63	1.33	1.09	ASEsPVHR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(2): 0.0; S(4): 100.0	ARLRASEsPVHRRGS	S4;	High	1191.572068					1	1	21.58	High	0.5909	2.703124046	High	0.1333	Yes
NP_001106963.1	10801	164698494	Sep-09	septin-9 isoform a [Homo sapiens]	S327	0.76	1.71	sVQPTSEER	1	8	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(5): 0.0; S(6): 0.0	KSKISRKsVQPTSEE	S1;	High	1341.624892					1	1	21.57	High	0.8182	2.766670227	High	0.4729	Yes
NP_073609.2	64787	21264616	EPS8L2	epidermal growth factor receptor kinase substrate 8-like protein 2 [Homo sapiens]	S240	2.7	2.2	REsQEEPR	1	1	3	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	PGFRRREsQEEPRAV	S3;	High	1339.620475	2.19	6.25	8.4	19.6	2	2	21.52	High	0.7273	3.668191671	High	0.4005	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S429	0.27	0.58	SsFSQHAR	1	6	4	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q5(100)]; 1ﾗPhospho [S2(100)]	S2(Phospho): 99.2; Q5(Deamidated): 100	S(1): 0.8; S(2): 99.2; S(4): 0.0	ESTESRSsFSQHART	S2;	High	1229.551333	117.89	13.83	47	11.5	2	2	21.48	High	0.4762	3.136567593	High	0.0924	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S10	0.4	1.1	GTsAEQDNR	1	2	3	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	T(2): 0.0; S(3): 100.0	AGFFRGTsAEQDNRF	S3;	High	1286.55754	31.64	1.22	18.1	1.9	2	2	21.48	High	0.2381	2.839403868	High	0.088	Yes
NP_001123910.1	6709	194595509	SPTAN1	spectrin alpha chain, non-erythrocytic 1 isoform 1 [Homo sapiens]	S1217	1.03	1.65	sLQQLAEER	1	3	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0	ELNERWRsLQQLAEE	S1;	High	1382.687826					1	1	21.46	High	0.6667	3.170410156	High	0.4259	Yes
NP_004815.3	9425	221307494	CDYL	chromodomain Y-like protein isoform a [Homo sapiens]	T74	0.98	1	TNRtSPNNAR	1	1	3	1	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [N7(99)]; 1ﾗPhospho [S5(98.1)]	T4(Phospho): 98.99; N7(Deamidated): 50; N8(Deamidated): 50	T(1): 0.0; T(4): 99.0; S(5): 1.0	TLTRTNRtSPNNARK	T4;	High	1440.679387					1	1	21.38	High	0.0476	3.59159255	High	0.0139	No
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S392	0.5	0.52	LSPsPTSQR	1	6	2	0	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q8(100)]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100; Q8(Deamidated): 100	S(2): 0.0; S(4): 100.0; T(6): 0.0; S(7): 0.0	ERLRLSPsPTSQRSR	S4;	High	1282.624164					1	1	21.38	High	0.381	2.930999756	High	0.1331	Yes
NP_003038.2	6548	27777632	SLC9A1	sodium/hydrogen exchanger 1 [Homo sapiens]	S693	0.18	13.38	LDsPTMSR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; T(5): 0.0; S(7): 0.0	VPAHKLDsPTMSRAR	S3;	High	1215.564206					1	1	21.32	High	0.4762	2.751560211	High	0.1164	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan et al., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells.

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (120/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (120/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (120/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (120/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (120/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_006258.3	5903	150418007	RANBP2	E3 SUMO-protein ligase RanBP2 [Homo sapiens]	S1400	0.61	1.68	TsPENVQDR	1	1	2	0	1?TMTfplex [N-Term]; 1?Phospho [S2(100)]	S2(Phospho): 99.99	T(1): 0.0; S(2): 100.0	TVFTPKTsPENVQDR	S2;	High	1354.62014					1	1	21.24	High	0.0952	3.291411638	High	0.0912	Yes
NP_001163887.1	9414	282165810	TJP2	tight junction protein ZO-2 isoform 3 [Homo sapiens]	S297	0.81	1.14	AYsPEYR	1	6	3	0	1?TMTfplex [N-Term]; 1?Phospho (STY)(80)	S3(Phospho): 100	Y(2): 0.0, S(3): 100.0, Y(6): 0.0	PDYERAYsPEYRRGA	S3;	High	1194.539371					1	1	21.23	High	0.5714	2.997382879	High	0.1433	No
NP_001035905.1	831	109637759	CAST	calpastatin isoform f [Homo sapiens]	S51	0.71	0.79	AAsLGSSQSSR	1	1	4	0	1?TMTfplex [N-Term]; 1?Phospho [S]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0, S(7): 0.0; S(9): 0.0; S(10): 0.0	SDEKKAAsLGSSQSS	S3;	High	1359.64669	0.61	15.04	0.6	17	2	2	21.15	High	0.6667	2.736041069	High	0.3285	Yes
NP_001166925.1	5160	291084742	PDHA1	pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial isoform 2 precursor [Homo sapiens]	S331; S338	0.38	0.2	YHGHsMSDPGVsYR	1	5	3	0	1?TMTfplex [N-Term]; 1?Oxidation [M(100)]; 2?Phospho [S5(100); S12(100)]	Y(1): 0.0; S(5): 100.0, S(7): 0.0; S(12): 100.0, Y(13): 0.0	YHGHsMSDPGVsSYRTREEI	S5; S12;	High	1997.781559					1	1	21.1	High	0.4762	3.757512569	High	0.0452	No;No
NP_613258.2	9555	93141018	H2AFY	core histone macro-H2A.1 isoform 3 [Homo sapiens]	T129	1.12	1.03	GKLEAIhPPPAK	1	3	2	1	3?TMTfplex [N-Term; K2; K13]; 1?Phospho [T8(100)]	T8(Phospho): 100	T(8): 100.0	GKLEAIhPPPAKKA	T8;	High	2102.25934					1	1	20.9	High	1	4.903963089	High	0.6388	Yes
NP_073609.2	64787	21264616	EPS8L2	epidermal growth factor receptor kinase substrate 8-like protein 2 [Homo sapiens]	S217	1.18	4.84	GGDsPEAK	1	1	3	0	2?TMTfplex [N-Term; K8]; 1?Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	FQHRGGDsPEAKNRV	S4;	High	1298.639369	5.54	2.6	9.2	17.9	2	2	20.54	High	0.9524	3.030246496	High	0.4785	Yes
NP_037425.1	29896	9558733	TRA2A	trans-former-2 protein homolog alpha isoform 1 [Homo sapiens]	S260; S262	1.23	0.88	RsPsPYYSR	1	5	2	1	1?TMTfplex [N-Term]; 2?Phospho [S2(100); S4(98.5)]	S2(Phospho): 100, S4(Phospho): 98.49	S(2): 100.0; S(4): 98.5; Y(6): 0.0; Y(7): 0.0; S(8): 1.5;	DYRYRRRsPSPYYSRYRRRSPsPYYSRYR	S2; S4;	High	1501.643927					1	1	20.42	High	0.65	3.840533972	High	0.4766	Yes;Yes
NP_001073922.2	26173	160948599	INTS1	integrator complex subunit 1 [Homo sapiens]	S1327	0.91	0.92	SsPEQPIGQGR	1	1	2	0	1?TMTfplex [N-Term]; 1?Deamidated [Q5(100)]; 1?Phospho [S2(100)]	S2(Phospho): 99.99; Q9(Deamidated): 100	S(1): 0.0; S(2): 100.0	EAPKPKSsPEQPIGQ	S2;	High	1465.688555					1	1	20.4	High	0.25	2.723645687	High	0.1654	Yes
NP_056480.1	8086	12962937	AAAS	aladin isoform 1 [Homo sapiens]	S495	0.58	1.64	FsPVLGR	1	2	2	0	1?TMTfplex [N-Term]; 1?Phospho [S2(100)]	S2(Phospho): 100	S(2): 100.0	NAQFPRFsPVLGRAQ	S2;	High	1084.575365					1	1	20.32	High	1	2.840440989	High	0.5211	Yes
NP_002810.1	5725	4506243	PTBP1	polypyrimidine tract-binding protein 1 isoform a [Homo sapiens]	S141	0.78	0.89	TDSsPNQAR	1	3	11	0	1?TMTfplex [N-Term]; 1?Phospho [S4(100)]	S4(Phospho): 99.99	T(1): 0.0; S(3): 0.0; S(4): 100.0	KELKTDSsPNQARAQ	S4;	High	1284.578276	8.73	3.78	11.9	5.9	3	3	20.24	High	0.6	3.867759466	High	0.0594	Yes
NP_001163887.1	9414	282165810	TJP2	tight junction protein ZO-2 isoform 3 [Homo sapiens]	S275	0.74	0.92	sIDQDYER	1	6	2	0	1?TMTfplex [N-Term]; 1?Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; Y(6): 0.0	RDRSRGRsIDQDYER	S1;	High	1334.582692					1	1	20.21	High	1	3.102759361	High	0.5	No
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S872	0.68	1.25	DsLGTYSSR	1	1	2	0	1?TMTfplex [N-Term]; 1?Phospho [S2(100)]	S2(Phospho): 100	S(2): 100.0, T(5): 0.0, Y(6): 0.0; S(7): 0.0; S(8): 0.0	QEFGKRDsLGTYSSR	S2;	High	1294.587778					1	1	19.71	High	0.5	2.893309355	High	0.2837	Yes
NP_060621.3	55183	56676335	RIF1	telomere-associated protein RIF1 isoform 1 [Homo sapiens]	S2393	1.23	2.25	SLsPDEER	1	2	2	0	1?TMTfplex [N-Term]; 1?Phospho (STY)(80)	S3(Phospho): 100	S(1): 0.0; S(3): 100.0	GIENKSLsPDEERLV	S3;	High	1241.561229					1	1	19.47	High	0.5789	2.908381462	High	0.2062	Yes
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	T235	0.69	1.7	WDEtPGR	1	1	2	0	1?TMTfplex [N-Term]; 1?Phospho [T4(100)]	T4(Phospho): 100	T(4): 100.0	PSLRWDEtPGRAKGS	T4;	High	1169.51897					1	1	19.44	High	0.8947	2.659351826	High	0.3045	Yes
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S870	0.3	0.84	GsPTSAYPER	1	1	2	0	1?TMTfplex [N-Term]; 1?Phospho (STY)(80)	S2(Phospho): 100	S(2): 100.0; T(4): 0.0; S(5): 0.0; Y(7): 0.0	LHNESKGsPTSAYPE	S2;	High	1373.629977					1	1	19.21	High	0.3684	3.18680501	High	0.2194	Yes
NP_055271.2	27250	21735596	PDCD4	programmed cell death protein 4 isoform 1 [Homo sapiens]	S457	0.88	0.84	RFVsEGDGGR	1	3	2	1	1?TMTfplex [N-Term]; 1?Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	RGRKRFVsEGDGGRL	S4;	High	1388.652109					1	1	18.53	High	0.9474	3.495023966	High	0.4086	Yes
NP_619580.1	83596	20336330	BCL2L12	bcl-2-like protein 12 isoform 1 [Homo sapiens]	S242	1.48	1.38	LsSDSFAR	1	2	2	0	1?TMTfplex [N-Term]; 1?Phospho (STY)(80)	S2(Phospho): 99.99	S(2): 100.0; S(3): 0.0, S(5): 0.0	RSKLVRLsSDSFARL	S2;	High	1191.560835					1	1	18.42	High	0.3333	3.123775482	High	0.1186	Yes
NP_001271143.1	9320	545746335	TRIP12	E3 ubiquitin-protein ligase TRIP12 isoform a [Homo sapiens]	S119	1.05	1.23	SAsPDYNR	1	3	2	0	1?TMTfplex [N-Term]; 1?Deamidated [N7(100)]; 1?Phospho [S3(100)]	S3(Phospho): 100; N7(Deamidated): 100	S(1): 0.0; S(3): 100.0; Y(6): 0.0	RGVKRSAsPDYNRTN	S3;	High	1219.519364					1	1	18.22	High	0.3333	2.753730297	High	0.1491	No
NP_006288.2	7515	190684675	X8CC1	DNA repair protein X8CC1 [Homo sapiens]	S266	1.33	1.45	KTPSKPPAQLsPSVPK	1	1	2	1	4?TMTfplex [N-Term; K5; K16; K]; 1?Phospho [S11(100)]	S11(Phospho): 99.97	T(2): 0.0; S(4): 0.0; S(11): 100.0, S(13): 0.0	SKPPAQLsPSVPKRP	S11;	High	2658.576541					1	1	15.39	High	0.2667	5.475249767	High	0.0803	Yes
NP_004955.2	3065	13128860	HDAC1	histone deacetylase 1 [Homo sapiens]	S393	0.32	4.64	MLPHAPGVQMQAIPEDAIPEEsGDEDEDDPDKR	1	1	1	1	2?TMTfplex [N-Term; K22]; 1?Oxidation [M10(100)]; 1?Phospho [S22(100)]	M10(Oxidation): 100; S22(Phospho): 100	S(22): 100.0	EDAIPEEsGDEDEDD	S22;	High	4185.903405					1	1	28.04	Medium	0.6786	5.100710869	High	0.3431	Yes
NP_733793.2	9462	226958575	RASAL2	ras GTPase-activating protein nGAP isoform 2 [Homo sapiens]	S164	2.46	1.81	sISGTSTSEKPNSMDTANTSPFK	1	2	2	0	3?TMTfplex [N-Term; K10; K23]; 1?Oxidation [M14(100)]; 1?Phospho [S1(100)]	S1(Phospho): 100; M14(Oxidation): 100	S(1): 100.0, S(3): 0.0; T(5): 0.0, S(6): 0.0; T(7): 0.0, S(8): 0.0; S(13): 0.0; T(16): 0.0; T(19): 0.0, S(20): 0.0	ERSPRRRsISGTSTS	S1;	High	3170.553151					1	1	26.84	Medium	0.2593	3.071862698	High	0.0489	Yes
NP_150241.2	5371	67089149	PML	protein PML isoform 1 [Homo sapiens]	S518; S527; S5	0.65	0.39	AVsPPHLDGPPsPRsPVIGSEVFLPNSNHVASGAGEAEER	1	6	1	1	1?TMTfplex [N-Term]; 3?Phospho [S3(100); S12(100); S15(94.9)]	S3(Phospho): 100; S12(Phospho): 100; S15(Phospho): 94.94	S(3): 100.0; S(12): 100.0; S(15): 94.9; S(20): 5.1; S(27): 0.0; S(32): 0.0	PSTSKAVsPPHLDGPPHLDGPPsPRsPVIGSEV	S3; S12; S15;	High	4530.073069					1	1	26.48	Medium	0.2692	5.280378342	High	0.1761	Yes;Yes;Yes
NP_851997.1	55729	557440804	ATF7IP	activating transcription factor 7-interacting protein 1 isoform 1 [Homo sapiens]	S121	1.2	2.1	NKQDDDLNCEPLsPHNITPEPVSK	1	4	1	1	3?TMTfplex [N-Term; K2; K24]; 1?Carbamidomethyl [C9]; 1?Phospho [S13(100)]	S13(Phospho): 100	S(13): 100.0; T(18): 0.0; S(23): 0.0	DLNCEPLsPHNITPE	S13;	High	3514.749225					1	1	26.25	Medium	0.5769	6.754974365	High	0.2252	No
NP_002865.1	5887	4506387	RAD23B	UV excision repair protein RAD23 homolog B isoform 1 [Homo sapiens]	S160	0.82	0.92	QEKPAEKPAETPVATsPTATDSTSGDSSR	1	3	2	0	3?TMTfplex [N-Term; K3; K7]; 1?Phospho [S16(97.2)]	S16(Phospho): 97.25	T(11): 0.0; T(15): 2.8; S(16): 97.3; T(18): 0.0; T(20): 0.0; S(22): 0.0; T(23): 0.0; S(24): 0.0; S(27): 0.0; S(28): 0.0	AETPVATsPTATDST	S16;	High	3712.852169					1	1	26.09	Medium	0.0385	4.942667007	High	0.0202	Yes
NP_005900.2	4131	153945728	MAP1B	microtubule-associated protein 1B [Homo sapiens]	S1438; S1443	2.93	1.08	QGsPDQVsPVSEMSTSLYQDKQEGK	1	1	1	1	3?TMTfplex [N-Term; K22; K26]; 1?Oxidation [M13(100)]; 2?Phospho [S3(100); S8(100)]	S3(Phospho): 100; S8(Phospho): 100; M13(Oxidation): 100	S(3): 100.0; S(8): 100.0; S(11): 0.0; T(14): 0.0; S(15): 0.0; T(16): 0.0; S(17): 0.0; Y(19): 0.0	EKSGKQGsPDQVSPVQGSPDQVsPVSEMTS	S3; S8;	High	3689.72618					1	1	26.03	Medium	0.4615	7.586309433	High	0.4993	Yes;Yes
NP_001005731.1	3691	54607033	ITGB4	integrin beta-4 isoform 3 precursor [Homo sapiens]	S809	1.19	1.04	VTNNMQRPGFATHAAsINPTELVPYGLSLR	1	3	1	0	1?TMTfplex [N-Term]; 1?Oxidation [M5(100)]; 1?Deamidated [N18(100)]; 1?Phospho [S16(99.8)]	M5(Oxidation): 100; S16(Phospho): 99.84; N18(Deamidated): 100	T(2): 0.0, T(12): 0.2; S(16): 99.8, T(20): 0.0, Y(25): 0.0, S(28): 0.0	GFATHAAsINPTELV	S16;	High	3580.782084					1	1	26.01	Medium	0.1538	7.253500462	High	0.0869	No
NP_062817.2	56478	256818794	EIF4ENIF1	eukaryotic translation initiation factor 4E transporter isoform a [Homo sapiens]	S746	0.62	1.39	ASEENLLSSSSVPsADRDSSPTTNSK	1	2	4	1	2?TMTfplex [N-Term; K26]; 1?Phospho [S14(96.4)]	S14(Phospho): 96.39	S(2): 0.0; S(8): 0.0; S(9): 0.0; S(10): 0.0; S(11) 0.0; S(14): 96.4; S(19): 1.8; S(20): 1.8; T(22): 0.0; T(23): 0.0; S(25): 0.0	LSSSSVPsADRDSSP	S14;	High	3204.530946					1	1	25.98	Medium	0.2308	4.463103294	High	0.0202	Yes
NP_116265.1	84962	14249622	AJUBA	LIM domain-containing protein ajuba isoform 1 [Homo sapiens]	S263	0.87	1.48	GAQPGRHsVTGYGDCAVGAR	1	2	1	1	1?TMTfplex [N-Term]; 1?Carbamidomethyl [C15]; 1?Phospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; T(10): 0.0; Y(12): 0.0	GAQPGRHsVTGYGDC	S8;	High	2325.075693					1	1	25.9	Medium	0.5	4.12851429	High	0.1404	Yes
NP_001137467.1	9404	221316659	LPXN	leupaxin isoform 1 [Homo sapiens]	S24	0.82	2.27	STLQDsDEYSNPAPLPLDQHSR	1	2	1	0	1?TMTfplex [N-Term]; 1?Phospho [S6(98.2)]	S6(Phospho): 98.25	S(1): 0.0; T(2): 1.8; S(6): 98.3; Y(9): 0.0; S(10): 0.0; S(21): 0.0	EBSTLQDsDEYSNPA	S6;	High	2779.277348					1	1	25.85	Medium	0.3077	4.080018044	High	0.1642	No
NP_057332.1	11215	7706457	AKAP11	A-kinase anchor protein 11 [Homo sapiens]	S1242	1.47	1.35	SVsPTFLNPSDENLK	1	1	1	0	2?TMTfplex [N-Term; K15]; 1?Phospho [S3(100)]	S3(Phospho): 99.98	S(1): 0.0; S(3): 100.0; T(5): 0.0; S(10): 0.0	VQSQRSSVsPTFLNPS	S3;	High	2186.114637					1	1	25.78	Medium	0.0385	4.245519638	High	0.0518	Yes
NP_005338.1	3309	16507237	HSPA5	78 kDa glucose-regulated protein precursor [Homo sapiens]	T648	1.02	0.73	LYGSAGPPPTGEEDtAEKDEL	1	1	2	1	2?TMTfplex [N-Term; K18]; 1?Phospho [T15(100)]	T15(Phospho): 99.96	Y(2): 0.0; S(4): 0.0; T(10): 0.0, T(15): 100.0	PPTGEEDtAEKDEL_	T15;	High	2714.285009					1	1	25.76	Medium	0.3462	3.134011269	High	0.0383	No
NP_060952.2	50807	46094081	ASAP1	arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1 isoform 1 [Homo sapiens]	T821	1.08	0.95	GPTGPPSTLPLSTQTSSGSSdLSK	1	2	1	0	2?TMTfplex [N-Term; K24]; 1?Phospho [T21(93.3)]	T21(Phospho): 93.32	T(3): 0.0; S(7): 0.0; T(8): 0.0, S(12): 0.0; T(13): 0.0; T(15): 0.0; S(16): 0.1; S(17): 2.2; S(19): 2.2; S(20): 2.2; T(21): 93.3; S(23): 0.1	QTSSGSSdLSKKRPP	T21;	High	2826.453805					1	1	25.71	Medium	0.2308	2.909967422	High	0.0619	No
NP_002573.1	5073	4505611	PARN	poly(A)-specific ribonuclease PARN isoform 1 [Homo sapiens]	S163	1.16	3.49	SQANGAGALSYVsPNTSK	1	3	1	0	2?TMTfplex [N-Term; K18]; 1?Phospho [S13(100)]	S13(Phospho): 100	S(1): 0.0; S(10): 0.0; Y(11): 0.0; S(13): 100.0, T(16): 0.0; S(17): 0.0	AGALSYVsPNTSKCP	S13;	High	2290.148062					1	1	25.66	Medium	0.4231	2.892348289	High	0.0554	Yes
NP_079461.2	26115	157739945	TANC2	protein TANC2 [Homo sapiens]	T427; S428	0.97	0.98	ELPLTQPPSAHSSbsGSCPGTPEMR	1	1	1	0	1?TMTfplex [N-Term]; 1?Carbamidomethyl [C19]; 1?Oxidation [M25(100)]; 2?Phospho [T15(99.3); S16(95.1)]	T15(Phospho): 99.3; S16(Phospho): 95.06; M25(Oxidation): 100	T(5): 0.0; S(9): 0.0, S(12): 0.0; S(13): 0.3; T(15): 99.3; S(16): 95.1, S(18): 0.5; T(22): 4.9	PSAHSSbSGSCPGTsAHSSITsGSCPGTP	T15; S16;	High	3142.382498					1	1	25.64	Medium	0.3846	3.933960676	High	0.0662	No;Yes
NP_001034658.2	2011	254028234	MARK2	serine/threonine-protein kinase MARK2 isoform d [Homo sapiens]	S409	0.2	0.92	RFsDQAAGPAIPTSNSYSK	1	2	1	1	2?TMTfplex [N-Term; K19]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(13): 0.0; S(14): 0.0; S(16): 0.0; Y(17): 0.0; S(18): 0.0	NPKQRRFsDQAAGPA	S3;	High	2535.264489					1	1	25.43	Medium	1	4.166352749	High	0.6043	Yes
NP_056073.1	23307	150010552	FKBP15	FK506-binding protein 15 [Homo sapiens]	S979	1.55	0.49	ERPEsPMVPSEQVVEEAVPLPPQALTTSQDGHRR	1	1	1	1	1?TMTfplex [N-Term]; 1?Oxidation [M7(100)]; 1?Phospho [S5(100)]	S5(Phospho): 100; M7(Oxidation): 100	S(5): 100.0; S(10): 0.0, T(26): 0.0; T(27): 0.0; S(28): 0.0	LNRERPEsPMVPSEQ	S5;	High	4092.005888					1	1	25.34	Medium	0.44	6.608363152	High	0.1634	Yes
NP_038478.2	29994	94681063	BAZ2B	bromodomain adjacent to zinc finger domain protein 2B isoform a [Homo sapiens]	T1283	0.95	0.8	DTSGGIDLGEEQHPLGdPTPGR	1	2	1	0	1?TMTfplex [N-Term]; 1?Phospho [T17(100)]	T17(Phospho): 99.97	T(2): 0.0; S(3): 0.0; T(17): 100.0; T(19): 0.0	EEQHPLGdPTPGRKR	T17;	High	2543.197642					1	1	25.29	Medium	0.16	3.723586798	High	0.1022	Yes
NP_001020262.1	23	69354671	ABCF1	ATP-binding cassette sub-family F member 1 isoform a [Homo sapiens]	S228	1.14	0.75	AEQGsEEEEGEGEEEEEGGESKADDPYAHLSK	1	1	1	1	3?TMTfplex [N-Term; K22; K32]; 1?Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(21): 0.0; Y(27): 0.0; S(31): 0.0	AKKAEQGsEEEGEGE	S5;	High	4218.866286					1	1	25.19	Medium	0.72	4.494326115	High	0.3608	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S351; S353	1.69	0.56	SATRPsPsPERSSTGPEPPAPTPLLAER	1	1	2	1	1?TMTfplex [N-Term]; 2?Phospho [S6(99.9); S8(100)]	S6(Phospho): 99.87; S8(Phospho): 99.99	S(1): 0.1; T(3): 0.0; S(6): 99.9; S(8): 100.0; S(12): 0.0; S(13): 0.0; T(14): 0.0; T(22): 0.0	EKSATRPsPSPERSSSSATRPSPsPERSSTG	S6; S8;	High	3274.570767	9.26	1.24	22.4	1	2	2	25.04	Medium	0.08	7.057031631	High	0.1105	Yes;Yes
NP_036419.3	23527	187608516	ACAP2	arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2 [Homo sapiens]	S384	0.95	0.6	SSPSTGsLDSGNESKEK	1	1	1	1	3?TMTfplex [N-Term; K15; K17]; 1?Phospho [S7(100)]	S7(Phospho): 99.99	S(1): 0.0; S(2): 0.0; S(4): 0.0; T(5): 0.0; S(7): 100.0; S(10): 0.0; S(14): 0.0	KSSPSTGsLDSGNES	S7;	High	2477.237554					1	1	25	Medium	0.2	3.728893042	High	0.0751	Yes
NP_002130.2	27316	56699409	RBMX	RNA-binding motif protein, X chromosome isoform 1 [Homo sapiens]	S208	2.03	1.07	DVYLsPRDDGYSTK	1	2	1	1	2?TMTfplex [N-Term; K14]; 1?Phospho [S5(100)]	S5(Phospho): 100	Y(3): 0.0; S(5): 100.0; Y(11): 0.0; S(12): 0.0; T(13): 0.0	SRRDVYLsPRDDGYS	S5;	High	2154.052036					1	1	24.99	Medium	0.92	3.496315241	High	0.08	Yes
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S1147	0.47	0.6	KEEASsPGAGEGPAEEGTR	1	1	2	1	2?TMTfplex [N-Term; K]; 1?Phospho [S6(100)]	S6(Phospho): 99.96	S(5): 0.0; S(6): 100.0; T(18): 0.0	CKKEEASsPGAGEGP	S6;	High	2397.133534					1	1	24.94	Medium	0.2	3.376870394	High	0.0237	Yes
NP_000928.1	5430	4505939	POLR2A	DNA-directed RNA polymerase II subunit RPB1 [Homo sapiens]	S1906	0.94	1.21	YSPTSPTYSPTSPVYTPTsPK	1	1	1	0	2?TMTfplex [N-Term; K21]; 1?Phospho [S19(100)]	S19(Phospho): 99.98	Y(1): 0.0; S(2): 0.0; T(4): 0.0; S(5): 0.0; T(7): 0.0; Y(8): 0.0; S(9): 0.0; T(11): 0.0; S(12): 0.0; Y(15): 0.0; T(16): 0.0; T(18): 0.0; S(19): 100.0	SPVYTPTsPKYSPTS	S19;	High	2796.378515					1	1	24.94	Medium	0.08	3.003316164	High	0.0867	Yes
NP_001188267.1	6294	321267469	SAFB	scaffold attachment factor B1 isoform 1 [Homo sapiens]	S383	2.79	0.46	ESSTSEGADQKMsPEDDSDTK	1	4	1	1	3?TMTfplex [N-Term; K11; K22]; 1?Oxidation [M12(100)]; 1?Phospho [S13(100)]	M12(Oxidation): 100; S13(Phospho): 100	S(2): 0.0; S(3): 0.0; T(4): 0.0; S(5): 0.0; S(13): 100.0; S(14): 0.0; S(19): 0.0; T(21): 0.0	EGADQKMsSPEDDSD	S13;	High	3114.39129					1	1	24.91	Medium	0.32	3.156848431	High	0.0728	Yes
NP_001184033.1	4297	308199413	KMT2A	histone-lysine N-methyltransferase 2A isoform 1 precursor [Homo sapiens]	S1861	1.32	0.96	SREDsPELNPPGIEDNR	1	2	2	1	1?TMTfplex [N-Term]; 1?Phospho [S5(98.6)]	S5(Phospho): 98.57	S(1): 1.4; S(5): 98.6	TDRSREDsPELNPPP	S5;	High	2331.081549					1	1	24.89	Medium	1	4.633579791	High	0.0431	No
NP_001269058.1	85464	530788323	SSH2	protein phosphatase Slingshot homolog 2 isoform 1 [Homo sapiens]	S514	0.94	0.97	DITTsADQIAEVK	1	2	2	0	2?TMTfplex [N-Term; K13]; 1?Phospho [S5(100)]	S5(Phospho): 99.99	T(3): 0.0; T(4): 0.0; S(5): 100.0	NKKDITTsADQIAEV	S5;	High	1928.99821					1	1	24.89	Medium	0.12	3.217693166	High	0.0062	No
NP_001287955.1	7082	666335594	TJP1	tight junction protein ZO-1 isoform d [Homo sapiens]	S621	0.51	1.19	sREDLSAQPVQTK	1	4	1	1	2?TMTfplex [N-Term; K13]; 1?Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0, S(6): 0.0, T(12): 0.0	SKRNLRKsREDLSAQ	S1;	High	1997.046892					1	1	24.85	Medium	0.2	4.947885036	High	0.1616	No
NP_001171501.1	7536	295842330	SF1	splicing factor 1 isoform 6 [Homo sapiens]	S205; S207	0.91	1.73	TGDLGIPPNPEDRsPsPEPIYNSEGK	1	6	1	1	2?TMTfplex [N-Term; K26]; 1?Deamidated [N9(100)]; 2?Phospho [S14(100); S16(100)]	N9(Deamidated): 100; S14(Phospho): 100; S16(Phospho): 100	T(1): 0.0, S(14): 100.0, S(16): 100.0, Y(21): 0.0, S(23): 0.0	PPNPEDRsPSPEPIY;NPEDRSPsPEPPYNS	S14; S16;	High	3385.564235					1	1	24.85	Medium	0.32	2.840172291	High	0.0493	No;No
NP_612429.2	113146	156760950	AHNAK2	protein AHNAK2 [Homo sapiens]	S4897	1.21	1.36	FVFSVPQMAVPEGDLHAAVGAPVMSPLsPGER	1	1	2	0	1?TMTfplex [N-Term]; 2?Oxidation [M8(100); M24(100)]; 1?Phospho [S28(95.1)]	M8(Oxidation): 100; M24(Oxidation): 100; S28(Phospho): 95.11	S(4): 0.0; S(25): 4.9; S(28): 95.1	APVMSPLsPGERVQC	S28;	High	3633.768408					1	1	24.8	Medium	0.12	5.975329876	High	0.0485	Yes
NP_006449.2	10612	32454739	TRIM3	tripartite motif-containing protein 3 isoform 1 [Homo sapiens]	S7	1.26	0.89	REDsPGPEVQPMDK	1	1	1	1	2?TMTfplex [N-Term; K14]; 1?Oxidation [M12(100)]; 1?Phospho [S4(100)]	S4(Phospho): 100, M12(Oxidation): 100	S(4): 100.0	_MAKREDsPGPEVQP	S4;	High	2139.019356					1	1	24.79	Medium	0.84	4.825242519	High	0.5238	Yes
NP_001289978.1	10627	740087210	MYL12A	myosin regulatory light chain 12A isoform 2 [Homo sapiens]	T140	1.11	0.61	ELLTTMGDRIDEEVDELYR	1	3	1	1	1?TMTfplex [N-Term]; 1?Oxidation [M6(100)]; 1?Phospho [T11(100)]	M6(Oxidation): 100; T11(Phospho): 100	T(4): 0.0; T(5): 0.0, T(11): 100.0, Y(19): 0.0	TTMGDRIDEEVDEL	T11;	High	2757.252774					1	1	24.67	Medium	0.44	3.715786695	High	0.0806	No

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_004710.2	9169	117676384	SCAF11	protein SCAF11 [Homo sapiens]	S796	1.58	0.5	FHsPSTTWSPNKDTPQEK	1	1	1	1	3×TMT6plex [N-Term; K12; K18]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; T(6): 0.0; T(7): 0.0; S(9): 0.0; T(14): 0.0	TRRSRFHsPSTTWSP	S3;	High	2854.437985					1	1	24.59	Medium	0.2	4.619644165	High	0.1104	Yes
NP_001020018.1	7048	67782326	TGFBR2	TGF-beta receptor type-2 isoform A precursor [Homo sapiens]	S578	1.8	3.16	SCsEEKIPEDGSLNTTK	1	2	1	1	3×TMT6plex [N-Term; K6; K17]; 1×Carbamidomethyl [C2]; 1×Phospho [S3(100)]	S3(Phospho): 99.98	S(1): 0.0; S(3): 100.0; S(12): 0.0; T(15): 0.0; T(16): 0.0	RLSGRSCsEEKIPED	S3;	High	2662.324989					1	1	24.55	Medium	0.04	3.800605774	High	0.0789	No
NP_004955.2	3065	13128860	HDAC1	histone deacetylase 1 [Homo sapiens]	S421	0.82	0.94	IACEEEFsDSEEEGEGGRK	1	1	2	1	2×TMT6plex [N-Term; K19]; 1×Carbamidomethyl [C3]; 1×Phospho [S8(100)]	S8(Phospho): 99.99	S(8): 100.0; S(10): 0.0	IACEEEFsDSEEEGE	S8;	High	2696.179892					1	1	24.5	Medium	0.4583	2.970182657	High	0.0404	Yes
NP_620147.1	123169	20270337	LEO1	RNA polymerase-associated protein LEO1 isoform 1 [Homo sapiens]	S630	3	2.17	KLTsDEEGEPSGK	1	2	2	1	3×TMT6plex [N-Term; K13; K]; 1×Phospho [S4(99.3)]	S4(Phospho): 99.27	T(3): 0.7; S(4): 99.3; S(11): 0.0	LKAKKLTsDEEGEPS	S4;	High	2144.109106					1	1	24.49	Medium	0.0417	3.515066385	High	0.0483	Yes
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	T326	1.07	0.75	TDRGGDSIGEtPTPGASK	1	1	1	1	2×TMT6plex [N-Term; K18]; 1×Phospho [T11(100)]	T11(Phospho): 100	T(1): 0.0; S(7): 0.0; T(11): 100.0; T(13): 0.0; S(17): 0.0	GGDSIGEtPTPGASK	T11;	High	2284.122241					1	1	24.47	Medium	0.2083	3.140331268	High	0.1624	Yes
NP_057507.2	51222	156415996	ZNF219	zinc finger protein 219 [Homo sapiens]	S698	1.31	1.88	VPSGETPPsPSQEGEEGSGLSRPGEAGLGGQER	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S9(100)]	S9(Phospho): 99.99	S(3): 0.0; T(6): 0.0; S(9): 100.0; S(11): 0.0; S(18): 0.0; S(21): 0.0	PSGETPPsPSQEGEE	S9;	High	3544.639043					1	1	24.46	Medium	0.2083	4.58014679	High	0.1048	Yes
NP_002688.3	5451	311771665	POU2F1	POU domain, class 2, transcription factor 1 isoform 1 [Homo sapiens]	S471	0.94	0.82	RINPPSSGGTSSsPIK	1	3	1	1	2×TMT6plex [N-Term; K16]; 1×Phospho [S13(97.6)]	S13(Phospho): 97.59	S(6): 0.0; S(7): 0.0; T(10): 0.0; S(11): 1.2; S(12): 1.2; S(13): 97.6	SSGGTSSsPIKAIFP	S13;	High	2123.126204					1	1	24.46	Medium	0.2083	3.202157259	High	0.0688	No
NP_057562.3	51530	66348045	ZC3HC1	nuclear-interacting partner of ALK isoform 1 [Homo sapiens]	S370	0.8	0.92	SWDSSSPVDRPEPEAAsPTTR	1	2	1	0	1×TMT6plex [N-Term]; 1×Phospho [S17(100)]	S17(Phospho): 99.97	S(1): 0.0; S(4): 0.0; S(5): 0.0; S(6): 0.0; S(17): 100.0; T(19): 0.0; T(20): 0.0	RPEPEAAsPTTRTRP	S17;	High	2581.176906					1	1	24.43	Medium	0.2083	4.46451807	High	0.0807	Yes
NP_002366.2	4134	47519639	MAP4	microtubule-associated protein 4 isoform 1 [Homo sapiens]	S636	0.89	1.72	KCsLPAEEDSVLEK	1	2	1	1	3×TMT6plex [N-Term; K14; K]; 1×Carbamidomethyl [C2]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(10): 0.0	TGTGKKCsLPAEEDS	S3;	High	2372.238741					1	1	24.39	Medium	0.625	3.356252193	High	0.4851	Yes
NP_056123.2	23360	158534059	FNBP4	formin-binding protein 4 [Homo sapiens]	T479	1.6	1.43	TGRDtPENGETAIGAENSEK	1	1	1	1	2×TMT6plex [N-Term; K20]; 1×Deamidated [N8(100)]; 1×Phospho [T5(98.4)]	T5(Phospho): 98.41; N8(Deamidated): 100	T(1): 1.6; T(5): 98.4; T(11): 0.0; S(18): 0.0	SSKTGRDtPENGETA	T5;	High	2615.223806					1	1	24.39	Medium	0.2083	3.071297169	High	0.0684	Yes
NP_001074295.2	157285	595582408	SGK223	tyrosine-protein kinase SgK223 [Homo sapiens]	Y413	0.66	0.46	EATQPEPIyAESTKR	1	1	1	1	2×TMT6plex [N-Term; K14]; 1×Phospho [Y9(100)]	Y9(Phospho): 100	T(3): 0.0; Y(9): 100.0; S(12): 0.0; T(13): 0.0	ATQPEPIyAESTKRK	Y9;	High	2258.146999					1	1	24.35	Medium	0.375	3.745374441	High	0.176	Yes
NP_036329.3	23637	164519084	RABGAP1	rab GTPase-activating protein 1 [Homo sapiens]	S42	1.79	1.51	QGDETPSTNNGsDDEKTGLK	1	1	1	1	3×TMT6plex [N-Term; K16; K20]; 1×Phospho [S12(100)]	S12(Phospho): 100	T(5): 0.0; S(7): 0.0; T(8): 0.0; S(12): 100.0; T(17): 0.0	TPSTNNGsDDEKTGL	S12;	High	2860.381652					1	1	24.32	Medium	0.25	4.334748745	High	0.1617	Yes
NP_009217.3	11346	40353727	SYNPO	synaptopodin isoform A [Homo sapiens]	S784	0.75	0.69	SAGAENPRPFsPPRAPPPPPPPPPPR	1	1	1	1	1×TMT6plex [N-Term]; 1×Phospho [S11(100)]	S11(Phospho): 100	S(1): 0.0; S(11): 100.0	AENPRPFsPPRAPPP	S11;	High	3183.645454					1	1	24.31	Medium	1	6.808431625	High	0.1351	Yes
NP_031372.2	11054	33286446	OGFR	opioid growth factor receptor [Homo sapiens]	S378	7.87	0.84	SQGDEAGGHGEDRPEPLsPKESK	1	1	1	1	3×TMT6plex [N-Term; K20; K23]; 1×Phospho [S18(100)]	S18(Phospho): 96.71	S(1): 0.0; S(18): 96.7; S(22): 3.3	EDRPEPLsPKESKKR	S18;	High	3174.567161					1	1	24.31	Medium	0.2083	4.40839386	High	0.1723	Yes
NP_150241.2	5371	67089149	PML	protein PML isoform 1 [Homo sapiens]	S518; S527; S53	1.05	0.94	AVsPPHLDGPPsPRsPVIGSEVFLPNSNHVASGAGEAEER	1	6	2	1	1×TMT6plex [N-Term]; 1×Deamidated [N28(95.9)]; 3×Phospho [S3(100); S12(100); S15(99.8)]	S3(Phospho): 100; S12(Phospho): 100; S15(Phospho): 99.81; N28(Deamidated): 95.88	S(3): 100.0; S(12): 100.0; S(15): 99.8; S(20): 0.2; S(27): 0.0; S(32): 0.0	PSTSKAVsPPHLDGP;PHLDGPPsPRSPVIG;DGPPSPRsPVIGSEV	S3; S12; S15;	High	4531.057085					1	1	24.3	Medium	0.1667	5.961353779	High	0.0034	Yes;Yes;Yes
NP_002798.2	5707	25777600	PSMD1	26S proteasome non-ATPase regulatory subunit 1 isoform 1 [Homo sapiens]	T273	1.78	1.01	TVGtPIASVPGSTNTGTVPGSEKDSDSMETEEK	1	2	4	1	3×TMT6plex [N-Term; K23; K33]; 1×Oxidation [M28(100)]; 1×Phospho [T4(100)]	T4(Phospho): 99.99; M28(Oxidation): 100	T(1): 0.0; T(4): 100.0; S(8): 0.0; S(12): 0.0; T(13): 0.0; T(15): 0.0; T(17): 0.0; S(21): 0.0; S(25): 0.0; S(27): 0.0; T(30): 0.0	QNLRTVGtPIASVPG	T4;	High	4091.982257	0.25	15.78	0.6	22.7	2	2	24.3	Medium	0.0833	5.629535198	High	0.0391	Yes
NP_958931.1	89953	41871960	KLC4	kinesin light chain 4 isoform b [Homo sapiens]	S608	0.85	1.02	RAAsLNYLNQPSAAPLQVSR	1	3	1	1	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; Y(7): 0.0; S(12): 0.0; S(19): 0.0	SNMKRAAsLNYLNQP	S4;	High	2465.286338					1	1	24.28	Medium	0.3333	4.708159447	High	0.2017	No
NP_001244109.1	6575	380503859	SLC20A2	sodium-dependent phosphate transporter 2 [Homo sapiens]	S256	0.59	0.71	EGALSRVsDESLSK	1	1	1	1	2×TMT6plex [N-Term; K14]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(5): 0.0; S(8): 100.0; S(11): 0.0; S(13): 0.0	EGALSRVsDESLSKV	S8;	High	2016.041472					1	1	24.26	Medium	0.4583	3.441656351	High	0.1483	Yes
NP_001124000.1	9043	194578923	SPAG9	C-Jun-amino-terminal kinase-interacting protein 4 isoform 1 [Homo sapiens]	S251	1.78	1.13	VSNsPEPQKAVEQEDELSDVSQGGSK	1	1	2	1	3×TMT6plex [N-Term; K9; K26]; 1×Phospho [S4(100)]	S4(Phospho): 99.95	S(2): 0.1; S(4): 100.0; S(18): 0.0; S(21): 0.0; S(25): 0.0	TSLKVSNsPEPQKAV	S4;	High	3511.740828					1	1	24.22	Medium	0.5	6.012691498	High	0.0133	Yes
NP_004136.2	4650	33356170	MYO9B	unconventional myosin-IXb isoform 1 [Homo sapiens]	S1267	2.52	0.8	VSPPAPGsAPETPEDK	1	2	1	0	2×TMT6plex [N-Term; K16]; 1×Phospho [S8(100)]	S8(Phospho): 99.99	S(2): 0.0; S(8): 100.0; T(12): 0.0	VSPPAPGsAPETPED	S8;	High	2117.056787					1	1	24.21	Medium	0.0833	2.892707109	High	0.1765	Yes
NP_001273117.1	22828	555290149	SCAF8	protein SCAF8 isoform a [Homo sapiens]	S695	0.92	1.89	ETVQTTQsPTPVEK	1	4	1	0	2×TMT6plex [N-Term; K14]; 1×Phospho [S8(98.6)]	S8(Phospho): 98.58	T(2): 0.0; T(5): 0.0; T(6): 1.4; S(8): 98.6; T(10): 0.0	ETVQTTQsPTPVEKE	S8;	High	2083.072438					1	1	24.16	Medium	0.2083	3.907221317	High	0.0691	No
NP_005110.2	9967	167234419	THRAP3	thyroid hormone receptor-associated protein 3 [Homo sapiens]	T874	1.73	0.98	NREEEWDPEYtPK	1	1	1	1	2×TMT6plex [N-Term; K13]; 1×Phospho [T11(100)]	T11(Phospho): 100	Y(10): 0.0; T(11): 100.0	EEWDPEYtPKSKKYY	T11;	High	2231.0422					1	1	24.16	Medium	0.4583	3.024418354	High	0.0828	Yes
NP_003933.1	8986	4506735	RPS6KA4	ribosomal protein S6 kinase alpha-4 isoform a [Homo sapiens]	T687	1.55	1.51	SSPPLRtPDVLESSGPAVR	1	3	1	1	1×TMT6plex [N-Term]; 1×Phospho [T7(100)]	T7(Phospho): 100	S(1): 0.0; S(2): 0.0; T(7): 100.0; S(13): 0.0; S(14): 0.0	RSSPPLRtPDVLESS	T7;	High	2274.169242					1	1	24.14	Medium	0.5	2.963556767	High	0.1419	Yes
NP_037431.3	29901	118918405	SAC3D1	SAC3 domain-containing protein 1 [Homo sapiens]	S356	1.53	1.55	TLEEVVMAEEEDEGTDRPGsPA	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S20(100)]	S20(Phospho): 100	T(1): 0.0; T(15): 0.0; S(20): 100.0	EGTDRPGsPA_	S20;	High	2670.169103					1	1	24.13	Medium	0.625	5.579165459	High	0.2348	No
NP_001070666.1	79065	116089282	ATG9A	autophagy-related protein 9A [Homo sapiens]	S828	0.84	0.78	HPEPVPEEGsEDELPPQVHKV	1	1	1	1	2×TMT6plex [N-Term; K20]; 1×Phospho [S10(100)]	S10(Phospho): 100	S(10): 100.0	EPVPEEGsEDELPPQ	S10;	High	2887.427925					1	1	24.1	Medium	1	4.912995338	High	0.554	Yes
NP_006281.1	7128	5454132	TNFAIP3	tumor necrosis factor alpha-induced protein 3 [Homo sapiens]	S645	1.43	1.2	HFAAASGKVsPTASR	1	1	1	1	2×TMT6plex [N-Term; K8]; 1×Phospho [S10(97.4)]	S10(Phospho): 97.44	S(6): 1.3; S(10): 97.4; T(12): 0.0; S(14): 1.3	AAASGKVsPTASRFQ	S10;	High	2025.068296					1	1	24.09	Medium	0.0417	4.634149075	High	0.067	Yes
NP_073557.3	54487	38488720	DGCR8	microprocessor complex subunit DGCR8 isoform 1 [Homo sapiens]	S377	1	1.8	EQSSDLTPSGDVsPVKPLSR	1	2	1	0	2×TMT6plex [N-Term; K16]; 1×Phospho [S13(100)]	S13(Phospho): 100	S(3): 0.0; S(4): 0.0; T(7): 0.0; S(9): 0.0; S(13): 100.0; S(19): 0.0	LTPSGDVsPVKPLSR	S13;	High	2637.353697					1	1	24.07	Medium	0.4167	4.496053696	High	0.1333	Yes
NP_055186.3	26993	612407827	AKAP8L	A-kinase anchor protein 8-like isoform 1 [Homo sapiens]	S283	1.35	1.12	KQGGsPDEPDSK	1	2	1	1	3×TMT6plex [N-Term; K12; K]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(11): 0.0	KKRKQGGsPDEPDSK	S5;	High	2012.030462					1	1	23.99	Medium	0.9583	4.106448174	High	0.4501	Yes
NP_001230106.1	226	342187211	ALDOA	fructose-bisphosphate aldolase A isoform 2 [Homo sapiens]	S100	1.64	0.96	LQsIGTENTEENRR	1	2	1	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(6): 0.0; T(9): 0.0	SIAKRLQsIGTENTE	S3;	High	1955.938514					1	1	23.99	Medium	0.375	3.677466154	High	0.1196	No
NP_001107018.1	51474	165905589	LIMA1	LIM domain and actin-binding protein 1 isoform 1 [Homo sapiens]	S687	1.3	0.66	SKEGHSLEMENENLVENGADsDEDDNSFLK	1	4	1	1	3×TMT6plex [N-Term; K2; K30]; 1×Oxidation [M9(100)]; 1×Phospho [S21(100)]	M9(Oxidation): 100; S21(Phospho): 100	S(1): 0.0; S(6): 0.0; S(21): 100.0; S(27): 0.0	LVENGADsDEDDNSF	S21;	High	4135.889419					1	1	23.92	Medium	0.5417	5.380029678	High	0.2379	No
NP_031372.2	11054	33286446	OGFR	opioid growth factor receptor [Homo sapiens]	S378	1.55	1.31	SQGDEAGGHGEDRPEPLsPK	1	1	2	0	2×TMT6plex [N-Term; K20]; 1×Phospho [S18(100)]	S18(Phospho): 100	S(1): 0.0; S(18): 100.0	EDRPEPLsPKESKKR	S18;	High	2601.234645	9.14	21.64	20.2	41.8	2	2	23.91	Medium	1	6.93813324	High	0.6816	Yes
NP_056982.1	51341	7705375	ZBTB7A	zinc finger and BTB domain-containing protein 7A [Homo sapiens]	S337	1.24	1.69	AGAAAGDsDEESRADDK	1	1	1	1	2×TMT6plex [N-Term; K17]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; S(12): 0.0	AGAAAGDsDEESRAD	S8;	High	2202.991621					1	1	23.86	Medium	0.7917	3.600893259	High	0.2111	Yes
NP_071375.1	63922	27501458	CHTF18	chromosome transmission fidelity protein 18 homolog [Homo sapiens]	S63	1.25	6.8	GDAAsSPAPAASVGSSQGGAR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S5(98)]	S5(Phospho): 98.03	S(5): 98.0; S(6): 2.0; S(12): 0.0; S(15): 0.0; S(16): 0.0	LARGDAAsSPAPAAS	S5;	High	2109.976356					1	1	23.81	Medium	0.7917	3.331773996	High	0.021	Yes
NP_068751.4	60626	27883866	RIC8A	synembryn-A isoform 1 [Homo sapiens]	S442; T447	0.53	8.61	GLMAGGRPEGQYsEDEDtDTDEYKEAK	1	2	1	1	3×TMT6plex [N-Term; K24; K27]; 2×Phospho [S13(100); T18(100)]	S13(Phospho): 100; T18(Phospho): 100	Y(12): 0.0; S(13): 100.0; T(18): 100.0; T(20): 0.0; Y(23): 0.0	GRPEGQYsEDEDTDT;QYSEDEDtDTDEYKE	S13; T18;	High	3838.701087					1	1	23.79	Medium	0.375	4.607126713	High	0.2169	No;No
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S93	0.81	0.49	AHSPASTLPNsPGSTFERK	1	1	4	1	2×TMT6plex [N-Term; K19]; 1×Phospho [S11(100)]	S11(Phospho): 100	S(3): 0.0; S(6): 0.0; T(7): 0.0; S(11): 100.0; S(14): 0.0; T(15): 0.0	PASTLPNsPGSTFER	S11;	High	2522.280473	15.05	26.1	24.6	25.8	4	4	23.77	Medium	0.4167	6.704720497	High	0.1328	Yes
NP_056073.1	23307	150010552	FKBP15	FK506-binding protein 15 [Homo sapiens]	S979	0.82	2.2	ERPEsPMVPSEQVVEEAVPLPPQALTTSQDGHR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(10): 0.0; T(26): 0.0; T(27): 0.0; S(28): 0.0	LNRERPEsPMVPSEQ	S5;	High	3919.909862					1	1	23.68	Medium	0.4583	5.26125145	High	0.1483	Yes
NP_057712.2	51322	18379328	WAC	WW domain-containing adapter protein with coiled-coil isoform 1 [Homo sapiens]	S511	1.03	0.42	QGPVSQSATQQPVTADKQQGHEPVsPR	1	3	1	1	2×TMT6plex [N-Term; K17]; 1×Deamidated [Q6(100)]; 1×Phospho [S25(100)]	Q6(Deamidated): 100; S25(Phospho): 100	S(5): 0.0; S(7): 0.0; T(9): 0.0; T(14): 0.0; S(25): 100.0	QQGHEPVsPRSLQRS	S25;	High	3396.694932					1	1	23.66	Medium	0.0833	4.966510296	High	0.0584	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1542	1.19	1.08	SGSsQELDVKPSASPQER	1	1	3	0	2×TMT6plex [N-Term; K10]; 1×Phospho [S4(100)]	S4(Phospho): 99.99	S(1): 0.0; S(3): 0.0; S(4): 100.0; S(12): 0.0; S(14): 0.0	QRSRSGSsQELDVKP	S4;	High	2440.212119	2.11	0.62	3.6	0.9	2	2	23.64	Medium	0.2917	4.240309238	High	0.0825	Yes
NP_003065.3	6599	188536047	SMARCC1	SWI/SNF complex subunit SMARCC1 [Homo sapiens]	S328; S330	1.3	1.25	KHsPsPPPPTPTESR	1	1	4	1	2×TMT6plex [N-Term; K]; 2×Phospho [S3(100); S5(100)]	S3(Phospho): 100; S5(Phospho): 100	S(3): 100.0; S(5): 100.0; T(10): 0.0; T(12): 0.0; S(14): 0.0	NARKRKHsPSPPPPT;RKRKHSPsPPPPTPT	S3; S5;	High	2233.081971	6.07	4.04	15.9	10.1	4	4	23.61	Medium	0.9167	5.093146324	High	0.5226	Yes;Yes
NP_842565.2	6711	112382252	SPTBN1	spectrin beta chain, non-erythrocytic 1 isoform 2 [Homo sapiens]	S14	1.99		TSSISGPLsPAYTGQVPYNYNQLEGR	1	1	1	0	1×TMT6plex [N-Term]; 2×Phospho [S9(99.9); S/T/Y]	T1(Phospho): 33.33; S2(Phospho): 33.33; S3(Phospho): 33.33; S9(Phospho): 99.93	T(1): 33.3; S(2): 33.3; S(3): 33.3; S(5): 0.1; S(9): 99.9; Y(12): 0.0; T(13): 0.0; Y(18): 0.0; Y(20): 0.0	SSISGPLsPAYTGQV	S9;	High	3188.454006					1		23.61	Medium	0.1667	4.286774158	High	0.0956	Yes
NP_056261.4	25909	262359929	AHCTF1	protein ELYS [Homo sapiens]	S1231	0.81	1.04	STPLASPSPSPGRsPQR	1	1	1	1	1×TMT6plex [N-Term]; 1×Deamidated [Q16(100)]; 1×Phospho [S14(100)]	S14(Phospho): 100; Q16(Deamidated): 100	S(1): 0.0; T(2): 0.0; S(6): 0.0; S(8): 0.0; S(10): 0.0; S(14): 100.0	PSPSPGRsPQRLKET	S14;	High	2032.0062					1	1	23.6	Medium	0.4167	4.388936043	High	0.0979	No
NP_835227.1	162427	30023820	FAM134C	protein FAM134C [Homo sapiens]	S26	1.45	0.85	DVsGSWERDQQVEAAQR	1	1	1	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.96	S(3): 100.0; S(5): 0.0	FRGRRDVsGSWERDQ	S3;	High	2270.040019					1	1	23.6	Medium	0.4583	3.744666815	High	0.1043	Yes
NP_722549.2	50488	27436917	MINK1	misshapen-like kinase 1 isoform 3 [Homo sapiens]	S763	0.7	0.97	SDSVLPASHGHLPQAGsLER	1	4	1	0	1×TMT6plex [N-Term]; 1×Deamidated [Q14(100)]; 1×Phospho [S17(100)]	Q14(Deamidated): 100; S17(Phospho): 100	S(1): 0.0; S(3): 0.0; S(8): 0.0; S(17): 100.0	GHLPQAGsLERNRVG	S17;	High	2368.14957					1	1	23.59	Medium	0.9167	5.436275482	High	0.4265	Yes
NP_002471.1	4659	4505317	PPP1R12A	protein phosphatase 1 regulatory subunit 12A isoform a [Homo sapiens]	S507	3.49	1.58	LAsTSDIEEKENR	1	4	2	1	2×TMT6plex [N-Term; K10]; 1×Phospho [S3(100)]	S3(Phospho): 99.97	S(3): 100.0; T(4): 0.0; S(5): 0.0	TIPRRLAsTSDIEEK	S3;	High	2030.020736					1	1	23.58	Medium	0.2917	4.673448563	High	0.0471	Yes
NP_065750.1	57459	21218438	GATAD2B	transcriptional repressor p66-beta [Homo sapiens]	T120; S129	0.63	0.74	GRLtPSPDIIVLsDNEASSPR	1	1	1	1	1×TMT6plex [N-Term]; 3×Phospho [T4(100); S13(98.6); S]	T4(Phospho): 100; S13(Phospho): 98.62; S18(Phospho): 50.69; S19(Phospho): 50.69	T(4): 100.0; S(6): 0.0; S(13): 98.6; S(18): 50.7; S(19): 50.7	EPERGRLtPSPDIIV;SPDIIVLsDNEASSP	T4; S13;	High	2693.218725					1	1	23.49	Medium	0.3478	3.902127981	High	0.0641	Yes;Yes
NP_001248337.1	8412	387157906	BCAR3	breast cancer anti-estrogen resistance protein 3 isoform 1 [Homo sapiens]	S338	1.16	1.94	AHQsESYLPIGCK	1	3	1	0	2×TMT6plex [N-Term; K13]; 1×Carbamidomethyl [C12]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(6): 0.0; Y(7): 0.0	LSLKAHQsESYLPIG	S4;	High	2028.002584					1	1	23.47	Medium	0.3043	3.686645269	High	0.1626	Yes
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	T326	1.49	0.96	GGDSIGEtPTPGASKR	1	1	1	1	2×TMT6plex [N-Term; K15]; 1×Phospho [T8(100)]	T8(Phospho): 99.97	S(4): 0.0; T(8): 100.0; T(10): 0.0; S(14): 0.0	GGDSIGEtPTPGASK	T8;	High	2068.04762					1	1	23.47	Medium	0.3913	3.12903738	High	0.1949	Yes
NP_037474.1	29844	7019371	TFPT	TCF3 fusion partner [Homo sapiens]	S180	1.01		RTPAPPEPGsPAPGEGPSGR	1	1	1	1	1×TMT6plex [N-Term]; 1×Phospho [S10(100)]	S10(Phospho): 100	T(2): 0.0; S(10): 100.0; S(18): 0.0	PAPPEPGsPAPGEGP	S10;	High	2223.075676					1		23.44	Medium	0.7391	3.223315001	High	0.4068	Yes
NP_001070736.1	84936	116268103	ZFYVE19	abscission/NoCut checkpoint regulator isoform 1 [Homo sapiens]	S144	1.17	0.79	GSSANASKWsPPQNYK	1	3	2	1	3×TMT6plex [N-Term; K8; K16]; 1×Phospho [S10(100)]	S10(Phospho): 100	S(2): 0.0; S(3): 0.0; S(7): 0.0; S(10): 100.0; Y(15): 0.0	SANASKWsPPQNYKK	S10;	High	2489.2793	0.88	16.58	1.5	18.7	2	2	23.4	Medium	0.5217	5.505960464	High	0.1742	Yes
NP_003482.1	8260	10835057	NAA10	N-alpha-acetyltransferase 10 isoform 1 [Homo sapiens]	S186	0.91	1.58	GNsPPSSGEACREEK	1	3	1	1	2×TMT6plex [N-Term; K15]; 1×Carbamidomethyl [C11]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; S(7): 0.0	KVESKGNsPPSSGEA	S3;	High	2142.989119					1	1	23.37	Medium	0.3913	2.873146296	High	0.2439	Yes
NP_000601.3	960	48255935	CD44	CD44 antigen isoform 1 precursor [Homo sapiens]	S706	0.49	2.01	sQEMVHLVNK	1	6	1	0	2×TMT6plex [N-Term; K10]; 1×Oxidation [M4(100)]; 1×Phospho [S1(100)]	S1(Phospho): 100; M4(Oxidation): 100	S(1): 100.0	LNGEASKsQEMVHLV	S1;	High	1738.896328					1	1	23.34	Medium	0.913	3.777929783	High	0.7037	Yes
NP_001273540.1	85021	557636683	REPS1	ralBP1-associated Eps domain-containing protein 1 isoform c [Homo sapiens]	S482	0.8	1.55	TGSDHTNPTsPLLVKPSDLLEENK	1	4	1	0	3×TMT6plex [N-Term; K15; K24]; 1×Phospho [S10(98)]	S10(Phospho): 98.03	T(1): 0.0; S(3): 0.0; T(6): 0.0; T(9): 2.0; S(10): 98.0; S(17): 0.0	SDHTNPTsPLLVKPS	S10;	High	3359.770278					1	1	23.32	Medium	0.0435	6.608002663	High	0.0575	Yes
NP_065821.1	57530	16262452	CGN	cingulin [Homo sapiens]	S137	0.69	0.71	SHsQASLAGPGPVDPSNR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(98.8)]	S3(Phospho): 98.85	S(1): 1.2; S(3): 98.9; S(6): 0.0; S(16): 0.0	GKLLRSHsQASLAGP	S3;	High	2085.991612					1	1	23.32	Medium	0.087	3.455834389	High	0.0347	No
NP_004630.3	7917	149158692	BAG6	large proline-rich protein BAG6 isoform a [Homo sapiens]	S973	1.06	0.77	ASPEPQRENAsPAPGTTAEEAMSR	1	3	1	1	1×TMT6plex [N-Term]; 1×Oxidation [M22(100)]; 1×Phospho [S11(100)]	S11(Phospho): 100; M22(Oxidation): 100	S(2): 0.0; S(11): 100.0; T(16): 0.0; T(17): 0.0; S(23): 0.0	EPQRENAsPAPGTTA	S11;	High	2809.266132					1	1	23.28	Medium	0.4783	3.199687719	High	0.2156	Yes
NP_062457.3	56181	153251745	MTFR1L	mitochondrial fission regulator 1-like isoform a [Homo sapiens]	S238	1.02	0.06	ASsFADMMGILK	1	1	2	0	2×TMT6plex [N-Term; K12]; 2×Oxidation [M7(100); M8(100)]; 1×Phospho [S3(97.8)]	S3(Phospho): 97.79; M7(Oxidation): 100; M8(Oxidation): 100	S(2): 2.2; S(3): 97.8	VSLSKASsFADMMGI	S3;	High	1840.899031					1	1	23.27	Medium	0.7826	3.577422619	High	0.0168	No
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S172; S174	0.68	0.15	SAsVsPTRNSSNTLPIPK	1	1	2	1	2×TMT6plex [N-Term; K18]; 2×Phospho [S3(100); S5(98.3)]	S3(Phospho): 100; S5(Phospho): 98.26	S(1): 0.0; S(3): 100.0; S(5): 98.3; T(7): 1.7; S(10): 0.0; S(11): 0.0; T(13): 0.0	LKGSRSAsVSPTRNS;GSRSASVsPTRNSSN	S3; S5;	High	2474.245741	0.27	35.69	0.3	7.6	2	2	23.26	Medium	0.6087	4.66378212	High	0.206	Yes;Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells.

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_060760.2	55276	63050049	PGM2	phosphoglucomutase-2 [Homo sapiens]	S165	1.48	0.45	LCAGMITAsHNPKQDNGYK	1	1	1	1	3?TMT6plex [N-Term; K14; K20]; 1?Carbamidomethyl [C22]; 1?Oxidation [M6(100)]; 1?Phospho [S10(100)]	M6(Oxidation): 100; S10(Phospho): 100	T(8): 0.0; S(10): 100.0; Y(19): 0.0	AGIMITAsHNPKQDN	S10;	High	3001.524375				1	1	23.25	Medium	0.3043	5.976721287		High	0.1405	Yes
NP_001135442.1	1616	215422366	DAXX	death domain-associated protein 6 isoform b [Homo sapiens]	S507	1.39	0.99	DGDKsPMSSLQSNEK	1	3	1	1	3?TMT6plex [N-Term; K4; K16]; 1?Oxidation [M7(100)]; 1?Phospho [S5(100)]	S5(Phospho): 100; M7(Oxidation): 100	S(5): 100.0; S(8): 0.0; S(9): 0.0; S(13): 0.0	AGKDGDKsPMSSLQI	S5;	High	2519.266746				1	1	23.24	Medium	0.6087	3.667481184		High	0.1771	No
NP_036549.2	26207	32307140	PITPNC1	cytoplasmic phosphatidylinositol transfer protein 1 isoform a [Homo sapiens]	S274	1.23	0.75	SAPSsAPSTPLSTDAPEFLSVPK	1	1	2	0	2?TMT6plex [N-Term; K23]; 1?Phospho [S5(98)]	S5(Phospho): 97.95	S(1): 0.0; S(4): 1.9; S(5): 98.0; S(8): 0.0; T(9): 0.0; S(12): 0.0; T(13): 0.0; S(20): 0.0	SVRSAPSsAPSTPLS	S5;	High	2824.442178				1	1	23.24	Medium	0.087	2.9053545		High	0.0344	Yes
NP_733793.2	9462	226958575	RASAL2	ras GTPase-activating protein nGAP isoform 2 [Homo sapiens]	S782	0.64	0.86	FTEHNSSPNVSGsLSSGLQK	1	2	2	0	2?TMT6plex [N-Term; K20]; 1?Phospho [S13(95)]	S13(Phospho): 95.03	T(2): 0.0; S(6): 0.0; S(7): 0.0; S(11): 0.1; S(13): 95.0; S(15): 2.5; S(16): 2.5	SSPNVSGsLSSGLQK	S13;	High	2614.291432				1	1	23.22	Medium	0.087	3.139852047		High	0.0064	No
NP_055983.1	23211	126723060	ZC3H4	zinc finger CCCH domain-containing protein 4 [Homo sapiens]	S908	1.31	1.09	ALPTSKPEGSLHSsPVGPSSSK	1	1	2	0	3?TMT6plex [N-Term; K6; K22]; 1?Phospho [S14(100)]	S14(Phospho): 100	T(4): 0.0; S(5): 0.0; S(10): 0.0; S(13): 0.0; S(14): 100.0; S(19): 0.0; S(20): 0.0; S(21): 0.0	PEGSLHSsPVGPSSS	S14;	High	2917.563914				1	1	23.21	Medium	0.1304	6.70808363		High	0.0298	Yes
NP_061918.3	54521	45238858	WDR44	WD repeat-containing protein 44 isoform 1 [Homo sapiens]	S50	1.01	0.62	ETENTAYKVGNEsPVQELK	1	2	1	1	3?TMT6plex [N-Term; K8; K19]; 1?Phospho [S13(100)]	S13(Phospho): 100	T(2): 0.0; T(5): 0.0; Y(7): 0.0; S(13): 100.0	AYKVGNEsPVQELKQ	S13;	High	2903.500645				1	1	23.2	Medium	0.8696	3.435492754		High	0.5	Yes
NP_001281269.1	124245	661567300	ZC3H18	zinc finger CCCH domain-containing protein 18 isoform 1 [Homo sapiens]	S67	1.36	0.86	GPSQEEEDNHsDEEDRASEPK	1	2	1	1	2?TMT6plex [N-Term; K21]; 1?Phospho [S11(100)]	S11(Phospho): 100	S(3): 0.0; S(11): 100.0, S(18): 0.0	QEEEDNHsDEEDRAS	S11;	High	2923.263104				1	1	23.19	Medium	0.5217	4.393321037		High	0.1663	Yes
NP_060537.3	55700	78042577	MAP7D1	MAP7 domain-containing protein 1 isoform 1 [Homo sapiens]	S741	1.26	0.34	EANANGsSPEPVKAVEAR	1	3	6	1	2?TMT6plex [N-Term; K13]; 1?Deamidated [N5(100)]; 1?Phospho [S7(98.5)]	N5(Deamidated): 99.97; S7(Phospho): 98.47	S(7): 98.5; S(8): 1.5	KEANANGsSPEPVKA	S7;	High	2365.180091				1	1	23.19	Medium	0.2609	4.308977604		High	0.0162	Yes
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S222	0.57		SSATSGDWPGLSAYDNsPR	1	4	1	0	1?TMT6plex [N-Term]; 1?Phospho [S18(100)]	S18(Phospho): 99.98	S(1): 0.0; S(2): 0.0; T(4): 0.0; S(5): 0.0; S(13): 0.0; Y(15): 0.0; S(18): 100.0	GLSAYDNsPRSPHSP	S18;	High	2390.0863				1	1	23.19	Medium	0.2609	2.909152985		High	0.1718	Yes
NP_055136.1	23594	7657427	ORC6	origin recognition complex subunit 6 [Homo sapiens]	T195	0.66	1.08	IGQQVDREPGDVAsPPR	1	1	1	1	1?TMT6plex [N-Term]; 1?Phospho [T14(100)]	T14(Phospho): 100	T(14): 100.0	REPGDVAsPPRKRKK	T14;	High	2144.069863				1	1	23.11	Medium	1	3.102118492		High	0.6613	Yes
NP_002366.2	4134	47519639	MAP4	microtubule-associated protein 4 isoform 1 [Homo sapiens]	S280	0.15		DMEsPTKLDVTLAK	1	2	1	1	3?TMT6plex [N-Term; K7; K14]; 1?Phospho [S4(100)]	S4(Phospho): 99.98	S(4): 100.0; T(6): 0.0; T(11): 0.0	ALAKDMEsPTKLDVT	S4;	High	2315.253662				1	1	23.08	Medium	0.3043	3.270869732		High	0.0734	Yes
NP_001231931.1	4782	350529396	NFIC	nuclear factor 1 C-type isoform 1 [Homo sapiens]	S323	0.27	7.45	NWTEDMEGGIsPVKK	1	5	2	1	3?TMT6plex [N-Term; K15; K16]; 1?Phospho [S12(100)]	S12(Phospho): 99.98	T(3): 0.0; S(11): 0.0; S(12): 100.0	DMEGGIsPVKKTEM	S12;	High	2545.297652				1	1	23.07	Medium	0.0435	4.862315655		High	0.4959	Yes
NP_003619.2	8502	53829374	PKP4	plakophilin-4 isoform a [Homo sapiens]	S281	0.49	0.45	AASPYSQRPAsPTAIR	1	4	1	0	1?TMT6plex [N-Term; 1?Deamidated [Q7(100)]; 1?Phospho [S11(99.9)]	Q7(Deamidated): 100; S11(Phospho): 99.91	S(3): 0.0; Y(5): 0.0; S(6): 0.0; S(11): 99.9; T(13): 0.0	PYSQRPAsPTAIRRI	S11;	High	1982.989822				1	1	23.07	Medium	0.5217	4.625755787		High	0.0583	Yes
NP_001004304.1	283337	51972182	ZNF740	zinc finger protein 740 [Homo sapiens]	S44	1.36	0.52	QAENGERAGsPDVLR	1	1	1	1	1?TMT6plex [N-Term; 1?Deamidated [N4(100)]; 1?Phospho [S10(100)]	N4(Deamidated): 99.95; S10(Phospho): 100	S(10): 100.0	ENGERAGsPDVLRCS	S10;	High	1908.901401				1	1	23.01	Medium	0.3478	3.722770452		High	0.1129	Yes
NP_004847.2	9493	6754472	KIF23	kinesin-like protein KIF23 isoform 2 [Homo sapiens]	S160	0.47	6.79	SNDRNsMDIQCEVDALLER	1	3	1	1	1?TMT6plex [N-Term; 1?Carbamidomethyl [C11]; 1?Phospho [S6(100)]	S6(Phospho): 100	S(1): 0.0; S(6): 100.0	FKSNDRNsMDIQCEV	S6;	High	2574.152682				1	1	23.01	Medium	0.3913	3.456401348		High	0.1214	Yes
NP_874365.3	23513	355390313	SCRIB	protein scribble homolog isoform a [Homo sapiens]	S1475	1.61	0.84	LRVQvPEPPAPER	1	2	2	1	1?TMT6plex [N-Term]; 1?Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	QERLRVQvPEPPAPE	S5;	High	1784.925765	10.86	40.36	25.2	51.2	2	2	22.99	Medium	1	3.781772375		High	0.6587	Yes
NP_114110.1	83786	13994263	FRMD8	FERM domain-containing protein 8 isoform 1 [Homo sapiens]	S21	1.81	0.61	SHRSsVSSVGAR	1	3	1	1	1?TMT6plex [N-Term]; 1?Phospho [S5(97.6)]	S5(Phospho): 97.64	S(1): 0.0; S(4): 2.3; S(5): 97.6; S(7): 0.0; S(8): 0.1	AERSHRSsVSSVGAR	S5;	High	1538.763785				1	1	22.99	Medium	0.0435	3.122668266		High	0.0513	Yes
NP_009134.1	445815	6005709	PALM2-AKAP2	PALM2-AKAP2 protein isoform 1 [Homo sapiens]	S1009	2.1	1.68	VKPPPvPTTEGPSLQPDLAPEEAAGTQRPK	1	5	4	0	3?TMT6plex [N-Term; K2; K20]; 1?Phospho [S6(100)]	S6(Phospho): 99.95	S(6): 100.0; T(8): 0.1; T(9): 0.0; S(13): 0.0; T(26): 0.0	EKVKPPPvPTTEGPS	S6;	High	3863.055895				1	1	22.96	Medium	0.3043	8.160114288		High	0.0478	No
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	T969	1.01	0.94	DYSSGGSSRtLDAQDR	1	1	1	1	1?TMT6plex [N-Term]; 1?Phospho [T10(99.9)]	T10(Phospho): 99.9	Y(2): 0.0; S(3): 0.0; S(4): 0.0; S(7): 0.0; S(8): 0.0; T(10): 99.9	SSGGSSRtLDAQDRS	T10;	High	2023.891958				1	1	22.96	Medium	0.4783	4.194928169		High	0.0859	Yes
NP_057225.2	51143	166795297	DYNC1LI1	cytoplasmic dynein 1 light intermediate chain 1 [Homo sapiens]	S510	1.07	2.3	KPVTVsPTTPTSPTEGEAS	1	1	8	0	2?TMT6plex [N-Term; K]; 1?Phospho [S12(96.6)]	S6(Phospho): 99.94	T(4): 0.0; S(6): 99.9; T(8): 0.0; T(9): 0.0; T(11): 0.0; S(12): 0.0; T(14): 0.0; S(19): 0.0	TRKPVTVsPTTPTSP	S6;	High	2424.231123	62.62	26.91	120.8	107.4	2	2	22.93	Medium	0.3913	5.046075344		High	0.0079	Yes
NP_203744.1	85377	31324577	MICALL1	MICAL-like protein 1 [Homo sapiens]	S640; S644	0.78	0.97	KPsPAAsPATK	1	1	1	0	3?TMT6plex [N-Term; K11; K]; 2?Phospho [S3(100); S7(100)]	S3(Phospho): 100; S7(Phospho): 100	S(3): 100.0; S(7): 100.0; T(10): 0.0	NPFNRKPsPAASPATJRKPSPAAsPATKKAT	S3; S7;	High	1902.010593				1	1	22.93	Medium	0.6957	4.801331997		High	0.3771	Yes;Yes
NP_001231630.1	677	34765903	ZFP36L1	zinc finger protein 36, C3H1 type-like 1 isoform 2 [Homo sapiens]	S123	1.89	1.64	RHsVTLPSSK	1	2	1	1	2?TMT6plex [N-Term; K10]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(5): 0.0; S(8): 0.0; S(9): 0.0	GGFPRHsVTLPSSK	S3;	High	1649.914027				1	1	22.93	Medium	0.6957	2.925688982		High	0.2014	No
NP_001073027.1	221092	118601081	HNRNPUL2	heterogeneous nuclear ribonucleoprotein U-like protein 2 [Homo sapiens]	S161	0.68	3.57	EEDEPEERsGDETPGSEVPGDK	1	1	3	1	2?TMT6plex [N-Term; K22]; 1?Phospho [S9(100)]	S9(Phospho): 100	S(9): 100.0; T(13): 0.0; S(16): 0.0	EDEPEERsGDETPGS	S9;	High	2926.287922	29.93	2.09	36.4	13	3	3	22.89	Medium	0.3913	5.823104858		High	0.1495	Yes
NP_031372.2	11054	33286446	OGFR	opioid growth factor receptor [Homo sapiens]	S378	1.78	1.59	SQGDEAGGHGEDRPEPLAPK	1	1	3	0	2?TMT6plex [N-Term; K20]; 1?Deamidated [Q2(100)]; 1?Phospho [S18(100)]	Q2(Deamidated): 100; S18(Phospho): 100	S(1): 0.0; S(18): 100.0	EDRPEPLaPKESKKR	S18;	High	2602.218661	1.74	12.08	5.4	34.2	3	3	22.87	Medium	1	5.027033806		High	0.6223	Yes
NP_573571.1	147179	18959210	WIPF2	WAS/WASL-interacting protein family member 2 [Homo sapiens]	S235	1.89	1.28	EGPPAPPPVKPPPsPVNIR	1	1	1	0	2?TMT6plex [N-Term; K10]; 1?Phospho [S14(100)]	S14(Phospho): 100	S(14): 100.0	PPVKPPPsPVNRTG	S14;	High	2484.378002				1	1	22.84	Medium	1	4.742338181		High	0.5823	Yes
NP_510880.2	399687	28416946	MYO18A	unconventional myosin-XVIIIa isoform a [Homo sapiens]	S2020	0.45	0.38	SLAPDRsDDEHDPLDNTSRPR	1	2	2	1	1?TMT6plex [N-Term]; 1?Phospho [S7(100)]	S7(Phospho): 100	S(1): 0.0; S(7): 100.0; T(17): 0.0; S(18): 0.0	KSLAPDRsDDEHDPL	S7;	High	2702.236881	29.56	9.43	19	5.1	2	2	22.82	Medium	0.3478	5.392347813		High	0.1076	Yes
NP_005900.2	4131	153945728	MAP1B	microtubule-associated protein 1B [Homo sapiens]	S2211	2.41	1.18	HMDPPPAPVQDRSPsPR	1	1	5	1	1?TMT6plex [N-Term]; 1?Oxidation [M2(100)]; 1?Phospho [S15(98.5)]	M2(Oxidation): 100; S15(Phospho): 98.52	S(13): 1.5; S(15): 98.5	PVQDRSPsPRHPDVS	S15;	High	2209.042268	8.67	34.67	37.4	80.7	3	3	22.8	Medium	0.1739	5.222989082		High	0.0211	Yes
NP_001119522.1	3068	186928819	HDGF	hepatoma-derived growth factor isoform b [Homo sapiens]	S148; S149	0.31	3.36	GNAEGssDEEGKLVIDEPAK	1	3	2	1	3?TMT6plex [N-Term; K12; K20]; 2?Phospho [S6(100), S7(100)]	S6(Phospho): 100; S7(Phospho): 100	S(6): 100.0; S(7): 100.0	KHGNAEGsSDEEGKLJKGNAEGSsDEEGKLV	S6; S7;	High	2892.388391	368.42	1.12	343.1	5.3	2	2	22.8	Medium	0.7391	5.11439085		High	0.6243	No;No
NP_976225.1	9406	42741684	ZRANB2	zinc finger Ran-binding domain-containing protein 2 isoform 1 [Homo sapiens]	S120	1.45	2.49	ENVEYIEREEsDEGEYDEFGR	1	2	1	1	1?TMT6plex [N-Term]; 1?Phospho [S11(100)]	S11(Phospho): 100	Y(5): 0.0; S(11): 100.0; Y(15): 0.0	EYIEREEsDGEYDEF	S11;	High	2774.166795				1	1	22.8	Medium	0.8696	3.112372637		High	0.1415	Yes
NP_149347.2	800	261490659	CALD1	caldesmon isoform 3 [Homo sapiens]	S202	1.18	3.16	RGsRENQGEEK	1	2	1	1	2?TMT6plex [N-Term; K12]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	EEKPKRGsRGENQGE	S3;	High	1841.915877				1	1	22.66	Medium	1	2.974192142		High	0.4983	Yes
NP_003474.1	8091	4504431	HMGA2	high mobility group protein HMGI-C isoform a [Homo sapiens]	S44	2.72	1.19	KQQQEPTGEPsPK	1	4	13	1	3?TMT6plex [N-Term; K13; K]; 1?Deamidated [Q2(99.1)]; 1?Phospho [S1(100)]	Q2(Deamidated): 50; Q3(Deamidated): 50; S1(Phospho): 100	T(7): 0.0; S(11): 100.0	QEPTGEPsPKRPRGR	S11;	High	2222.16729	4.99	1.66	19.4	2.8	2	2	22.61	Medium	0.3043	4.786098003		High	0.0042	Yes
NP_680780.1	11273	27262649	ATXN2L	ataxin-2-like protein isoform C [Homo sapiens]	S339	1.08	1.15	QGSGREsPSLASR	1	7	4	1	1?TMT6plex [N-Term]; 1?Phospho [S9(100)]	S7(Phospho): 99.99	S(3): 0.0; S(7): 100.0; S(9): 0.0; S(12): 0.0	RQGSGREsPSLASRE	S7;	High	1640.795479	12.41	2.74	23.5	5.5	3	3	22.61	Medium	0.3913	3.561767578		High	0.0702	Yes
NP_062817.2	56478	256818794	EIF4ENIF1	eukaryotic translation initiation factor 4E transporter isoform a [Homo sapiens]	S951	1.21	1.06	SSsPVGLAK	1	2	1	0	2?TMT6plex [N-Term; K9]; 1?Phospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(2): 0.0; S(3): 100.0	RPSQRSSsPVGLAKW	S3;	High	1383.764903				1	1	22.61	Medium	0.2609	2.589295149		High	0.0193	Yes
NP_055970.1	23185	57634536	LARP4B	la-related protein 4B [Homo sapiens]	S736	1.57	1.2	EQSTPPKsPQ	1	1	6	1	2?TMT6plex [N-Term; K7]; 1?Phospho [S8(100)]	S8(Phospho): 100	S(3): 0.0; T(4): 0.0; S(8): 100.0	EQSTPPKsPQ_	S8;	High	1636.834774	2.27	2.42	8	6.5	5	5	22.59	Medium	0.087	4.067247391		High	0.457	Yes
NP_001099008.1	10514	157694494	MYBBP1A	myb-binding protein 1A isoform 1 [Homo sapiens]	S1267	1.39	1.14	KNQKPSQVNGAPGsPTEPAGQK	1	2	4	1	4?TMT6plex [N-Term; K4; K22; K]; 1?Deamidated [Q7(97.9)]; 1?Phospho [S14(100)]	Q7(Deamidated): 97.89; S14(Phospho): 100	S(6): 0.0; S(14): 100.0; T(16): 0.0	QVNGAPGsPTEPAGQ	S14;	High	3217.738808	5	8.14	9.9	13.2	2	2	22.57	Medium	0.2174	6.199058533		High	0.0258	Yes
NP_001004304.1	283337	51972182	ZNF740	zinc finger protein 740 [Homo sapiens]	S44	3.56	0.78	QAENGERAGsPDVLR	1	1	1	1	1?TMT6plex [N-Term; 1?Phospho [S10(100)]	S10(Phospho): 100	S(10): 100.0	ENGERAGsPDVLRCS	S10;	High	1907.917385				1	1	22.55	Medium	0.8696	3.37942791		High	0.4408	Yes
NP_056018.2	23248	183396804	RPRD2	regulation of nuclear pre-mRNA domain-containing protein 2 isoform 1 [Homo sapiens]	S485	1.21	1.12	NTGVSPASRPSPGTPTsPSNLTSGLK	1	3	1	0	2?TMT6plex [N-Term; K26]; 1?Phospho [S17(98.2)]	S17(Phospho): 98.16	T(2): 0.0; S(5): 0.0; S(8): 0.0; S(11): 0.0; T(14): 0.0; T(16): 1.8; S(17): 98.2; S(19): 0.0; T(22): 0.0; S(23): 0.0	PSPGTPTsPSNLTSG	S17;	High	3048.576714				1	1	22.53	Medium	0.3478	3.999526302		High	0.06	Yes
NP_001138829.1	25942	223941782	SIN3A	paired amphipathic helix protein Sin3a [Homo sapiens]	S860	1.33	0.61	HNGVGGsPPKSK	1	1	1	1	3?TMT6plex [N-Term; K10; K12]; 1?Deamidated [N2(100)]; 1?Phospho [S7(100)]	N2(Deamidated): 100; S7(Phospho): 100	S(7): 100.0; S(11): 0.0	KHNGVGGsPPKSKLL	S7;	High	1933.051139				1	1	22.47	Medium	0.7727	5.712046623		High	0.3117	Yes
NP_116165.1	221037	118600981	JMJD1C	probable JmjC domain-containing histone demethylation protein 2C isoform a [Homo sapiens]	S943	0.89	0.93	ITAHSsPPLTK	1	2	1	0	2?TMT6plex [N-Term; K11]; 1?Phospho [S6(99.3)]	S6(Phospho): 99.33	T(2): 0.0; S(5): 0.7; S(6): 99.3; T(10): 0.0	LKITAHSsPPLTKTL	S6;	High	1689.934094				1	1	22.47	Medium	0.2273	3.760784388		High	0.0638	Yes
NP_004719.2	9188	50659095	DDX21	nucleolar RNA helicase 2 isoform 1 [Homo sapiens]	S89	2.97	1.36	KEEPSQNDsPK	1	2	1	1	3?TMT6plex [N-Term; K12; K]; 1?Phospho [S10(100)]	S10(Phospho): 100	S(5): 0.0; S(10): 100.0	EPSQNDsPKTKSLR	S10;	High	2139.130176				1	1	22.46	Medium	0.8182	3.107161283		High	0.4598	Yes
NP_005517.1	3297	5031767	HSF1	heat shock factor protein 1 [Homo sapiens]	S363	1.69	0.91	GHTDTEGRPPsPPTSTPEK	1	1	2	0	2?TMT6plex [N-Term; K20]; 1?Phospho [S11(99.9)]	S11(Phospho): 99.94	T(3): 0.0; T(5): 0.1; S(11): 99.9; T(15): 0.0; S(16): 0.0; T(17): 0.0	DTEGRPPsPPTSTP	S11;	High	2626.291432	5.21	5.5	12.5	7.1	2	2	22.45	Medium	0.2273	5.797326088		High	0.15	Yes
NP_000566.3	3552	27894330	IL1A	interleukin-1 alpha proprotein [Homo sapiens]	S87; S89; S104	1.79	2.59	RLsLsQSITDDDLEAIANDsEEEIKPR	1	1	1	1	2?TMT6plex [N-Term; K26]; 1?Deamidated [N18(100)]; 3?Phospho [S3(100); S5(96.9); S20(100)]	S3(Phospho): 100; S5(Phospho): 96.89; N18(Deamidated): 100; S20(Phospho): 100	S(3): 100.0; S(5): 96.9; S(7): 3.1; T(9): 0.0; S(20): 100.0	VLKKRRLsLSQSITDDKKRRLSLsQSITDDDLEAIANDsEEEIKP	S3; S5; S20;	High	3856.794778				1	1	22.44	Medium	0.0909	4.928021431		High	0.1663	No;No;No
NP_659467.1	221908	21450761	PPP1R35	protein phosphatase 1 regulatory subunit 35 [Homo sapiens]	S52	0.88	0.42	APVPEPGLDLSLSPRPDsPQPR	1	1	1	0	1?TMT6plex [N-Term]; 1?Phospho [S18(100)]	S18(Phospho): 99.97	S(11): 0.0; S(13): 0.0; S(18): 100.0	SLSPRPDsPQPRHGS	S18;	High	2634.348997				1	1	22.4	Medium	0.2727	2.920021057		High	0.0788	Yes
NP_982261.2	54812	50409939	AFTPH	aftiphilin isoform a [Homo sapiens]	S518	1.54	1.88	KSsGTGTEPVAK	1	3	2	1	3?TMT6plex [N-Term; K12; K]; 1?Phospho [S3(99.4)]	S3(Phospho): 99.41	S(2): 0.6; S(3): 99.4; T(5): 0.0; T(7): 0.0	CQLARKSsGTGTEPV	S3;	High	1929.06612				1	1	22.38	Medium	0.3636	3.643363133		High	0.011	Yes
NP_056272.2	25921	41152072	ZDHHC5	palmitoyltransferase ZDHHC5 [Homo sapiens]	S409	1.84	1.8	SEPSLEPESFRsPTFGK	1	1	2	1	2?TMT6plex [N-Term; K17]; 1?Phospho [S12(98.5)]	S12(Phospho): 98.46	S(1): 0.0; S(4): 0.0; S(9): 1.5; S(12): 98.5; T(14): 0.0	LEPESFRsPTFGKSF	S12;	High	2433.210328				1	1	22.33	Medium	0.3636	3.003848076		High	0.05	Yes
NP_115765.2	84364	31543983	ARFGAP2	ADP-ribosylation factor GTPase-activating protein 2 isoform 1 [Homo sapiens]	S146	1.37	0.51	HGTDLWIDNMSSAVPNHsPEKK	1	1	1	1	3?TMT6plex [N-Term; K21; K22]; 1?Oxidation [M10(100)]; 1?Deamidated [N16(97.3)]; 1?Phospho [S18(100)]	M10(Oxidation): 100; N16(Deamidated): 97.34; S18(Phospho): 100	T(3): 0.0; S(11): 0.0; S(12): 0.0, S(18): 100.0	SSAVPNHsPEKKDSD	S18;	High	3247.60619				1	1	22.32	Medium	0.0455	4.594726563		High	0.159	Yes
NP_061174.1	55917	24308179	CTTNBP2NL	CTTNBP2 N-terminal-like protein [Homo sapiens]	S549	0.72	1.44	GDTSHsPTPGK	1	1	1	0	2?TMT6plex [N-Term; K111]; 1?Phospho [S6(100)]	S6(Phospho): 100	T(3): 0.0; S(4): 0.0; S(6): 100.0; T(8): 0.0	PRGDTSHsPTPGKVS	S6;	High	1621.798723				1	1	22.32	Medium	0.4545	3.98999409		High	0.203	Yes
NP_001615.2	202	728798446	AIM1	absent in melanoma 1 protein [Homo sapiens]	S19	0.5	0.72	GSQKsTDSPGADAELPESAAR	1	1	2	1	2?TMT6plex [N-Term; K4]; 1?Phospho [S5(98.48)]	S5(Phospho): 98.48	S(2): 0.0; S(5): 98.5; T(6): 1.5; S(8): 0.0; S(18): 0.0	RRRGSQKsTDSPGAD	S5;	High	2612.260525				1	1	22.31	Medium	0.1364	4.402194023		High	0.0432	Yes
NP_001171988.1	79670	297307111	ZCCHC6	terminal uridylyltransferase 7 isoform 1 [Homo sapiens]	S132	1	1.91	KDsFQENEDGYR	1	2	1	1	2?TMT6plex [N-Term; K]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; Y(11): 0.0	INRQRKDsFQENEDG	S3;	High	2025.931921				1	1	22.29	Medium	0.9545	3.935174227		High	0.467	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_036382.2	22800	21361416	RRAS2	ras-related protein R-Ras2 isoform a [Homo sapiens]	S186	0.77	1.05	FQEQECPPsPEPTRK	1	3	1	1	2ヺTMT6plex [N-Term; K15]; 1ヺCarbamidomethyl [C6]; 1ヺDeamidated [Q4(100)]; 1ヺPhospho [S9(100)]	Q4(Deamidated): 100; S9(Phospho): 100	S(9): 100.0; T(13): 0.0	QEQECPPsPEPTRKE	S9;	High	2369.124884					1	1	22.28	Medium	0.5909	3.030982733	High	0.1155	Yes
NP_001010872.1	222584	61676089	FAM83B	protein FAM83B [Homo sapiens]	S869	0.56	0.44	RTPsPGPVESK	1	1	5	1	2ヺTMT6plex [N-Term; K11]; 1ヺPhospho [S4(98.9)]	S4(Phospho): 98.68	T(2): 1.3; S(4): 98.7; S(10): 0.0	DENKRTPsPGPVESK	S4;	High	1692.908607	6.18	5.4	6	4.2	3	3	22.23	Medium	0.0455	3.990322351	High	0.0902	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	S352	4.2	4.37	GSLASLDsLRK	1	15	1	1	2ヺTMT6plex [N-Term; K11]; 1ヺPhospho [S8(100)]	S8(Phospho): 100	S(2): 0.0; S(5): 0.0; S(8): 100.0	GSLASLDsLRKGGPP	S8;	High	1684.939907					1	1	22.22	Medium	0.3636	3.621967316	High	0.3232	Yes
NP_112604.2	3183	117189975	HNRNPC	heterogeneous nuclear ribonucleoproteins C1/C2 isoform a [Homo sapiens]	S233	1.51	1.29	NDKsEEEQSSSSVK	1	2	1	1	3ヺTMT6plex [N-Term; K3; K14]; 2ヺDeamidated [N1(100); Q8(100)]; 1ヺPhospho [S4(100)]	N1(Deamidated): 100; S4(Phospho): 100; Q8(Deamidated): 100	S(4): 100.0; S(9): 0.0; S(10): 0.0; S(11): 0.0; S(12): 0.0	VEMKNDKsEEEQSSS	S4;	High	2323.115709					1	1	22.19	Medium	0.7727	2.82569623	High	0.4417	Yes
NP_060481.3	55082	134152708	ARGLU1	arginine and glutamate-rich protein 1 [Homo sapiens]	S77	1.27	0.56	ASsPPDRIDIFGR	1	1	1	1	1ヺTMT6plex [N-Term]; 1ヺPhospho [S3(98.5)]	S3(Phospho): 98.48	S(2): 1.5; S(3): 98.5	RDRERASsPPDRIDI	S3;	High	1739.867916					1	1	22.14	Medium	0.2273	2.98824811	High	0.0836	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	T220	1.21	1.27	EKtPELPEPSVK	1	3	3	1	3ヺTMT6plex [N-Term; K2; K12]; 1ヺPhospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; S(10): 0.0	APEKKEKtPELPEPS	T3;	High	2121.181149	2.94	7.41	6.2	16.4	3	3	22.08	Medium	1	5.452400684	High	0.5229	Yes
NP_061830.3	23616	85815829	SH3BP1	SH3 domain-binding protein 1 [Homo sapiens]	S544	1.48	0.89	ERTESEVPPRPAsPK	1	1	1	1	2ヺTMT6plex [N-Term; K15]; 1ヺPhospho [S13(100)]	S13(Phospho): 100	T(3): 0.0; S(5): 0.0; S(13): 100.0	EVPPRPAsPKVTRSP	S13;	High	2218.163318					1	1	22.06	Medium	1	4.424930096	High	0.5407	Yes
NP_001271317.1	9221	548923888	NOLC1	nucleolar and coiled-body phosphoprotein 1 isoform 1 [Homo sapiens]	T607	0.69	0.97	EAEtPQAK	1	3	1	0	2ヺTMT6plex [N-Term; K8]; 1ヺPhospho [T4(100)]	T4(Phospho): 100	T(4): 100.0	EAAKEAEtPQAKKIK	T4;	High	1411.723432					1	1	22.03	Medium	1	3.186517477	High	0.5141	No
NP_004136.2	4650	33356170	MYO9B	unconventional myosin-IXb isoform 1 [Homo sapiens]	S1290	1.84	1.19	VQEKPDsPGGSTQIQR	1	2	2	0	2ヺTMT6plex [N-Term; K4]; 1ヺPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; S(11): 0.0; T(12): 0.0	RVQEKPDsPGGSTQI	S7;	High	2265.164046	8.98	4.85	23.6	8.2	2	2	22.01	Medium	0.2273	3.883415937	High	0.1778	Yes
NP_001265319.1	81539	508083059	SLC38A1	sodium-coupled neutral amino acid transporter 1 isoform 2 [Homo sapiens]	S52	1.53	1.81	RsLTNSHLEK	1	2	1	1	2ヺTMT6plex [N-Term; K10]; 1ヺPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; T(4): 0.0; S(6): 0.0	SDRESRRsLTNSHLE	S2;	High	1722.930405					1	1	21.98	Medium	0.7273	4.949144363	High	0.0909	Yes
NP_056474.2	26156	118498359	RSL1D1	ribosomal L1 domain-containing protein 1 [Homo sapiens]	S361	1.6	0.66	ATNEsEDEIPQLVPIGKK	1	1	2	1	3ヺTMT6plex [N-Term; K17; K18]; 1ヺPhospho [S5(98.8)]	S5(Phospho): 98.75	T(2): 1.3; S(5): 98.8	QVKATNEsEDEIPQL	S5;	High	2735.483538	9.38	27.55	21.5	26.3	2	2	21.98	Medium	0.2727	4.704116821	High	0.0553	Yes
NP_055717.2	22839	34335253	DLGAP4	disks large-associated protein 4 isoform a [Homo sapiens]	T912	1.7	0.63	ANSWQLVEtPEKR	1	3	1	1	2ヺTMT6plex [N-Term; K12]; 1ヺPhospho [T9(100)]	T9(Phospho): 100	S(3): 0.0; T(9): 100.0	NSWQLVEtPEKRKEE	T9;	High	2096.094176					1	1	21.98	Medium	0.8182	3.772124767	High	0.5756	Yes
NP_001002909.1	23131	50962882	GPATCH8	G patch domain-containing protein 8 isoform 1 [Homo sapiens]	S1081	0.89	1.18	GSEGDCsPEDKNSVTAK	1	3	1	1	3ヺTMT6plex [N-Term; K11; K17]; 1ヺCarbamidomethyl [C6]; 1ヺPhospho [S7(100)]	S7(Phospho): 100	S(2): 0.0; S(7): 100.0; S(13): 0.0; T(15): 0.0	RGSEGDCsPEDKNSV	S7;	High	2548.220524					1	1	21.98	Medium	0.5909	3.10356307	High	0.2968	Yes
NP_112181.2	81610	116235448	FAM83D	protein FAM83D [Homo sapiens]	S488; S492	0.91	0.9	GTQsTEGsPVSK	1	1	1	0	2ヺTMT6plex [N-Term; K12]; 2ヺPhospho [S4(98.6); S8(100)]	S4(Phospho): 99.97; S8(Phospho): 98.88	T(2): 0.0; S(4): 100.0; T(5): 1.1; S(8): 98.9; S(11): 0.0	LFPRGTQsTEGSPVS;GTQSTEGsPVSKMSV	S4; S8;	High	1795.828048					1	1	21.97	Medium	0.4091	4.037932873	High	0.3292	No;No
NP_904325.2	23095	41393559	KIF1B	kinesin-like protein KIF1B isoform alpha [Homo sapiens]	S1141	1.09	0.85	RQFsAPNLK	1	1	1	1	2ヺTMT6plex [N-Term; K9]; 1ヺPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	PRMRRQFsAPNLKAG	S4;	High	1598.881999					1	1	21.96	Medium	1	4.474159718	High	0.4966	Yes
NP_001073922.2	26173	160948599	INTS1	integrator complex subunit 1 [Homo sapiens]	S1327	0.89	0.93	SsPEQPIGQGR	1	1	2	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S2(100)]	S2(Phospho): 99.99	S(1): 0.0; S(2): 100.0	EAPKPKSsPEQPIGQ	S2;	High	1464.704539	0.95	25.77	1.2	34.7	2	2	21.95	Medium	0.2727	3.187502146	High	0.0658	Yes
NP_001275891.1	9322	572874682	TRIP10	cdc42-interacting protein 4 isoform 1 [Homo sapiens]	S296; S304	1.18	2.62	APsDSSLGTPsDGRPELR	1	3	2	0	1ヺTMT6plex [N-Term]; 2ヺPhospho [S3(100); S11(94.4)]	S3(Phospho): 100; S11(Phospho): 94.37	S(3): 100.0; S(5): 1.9; S(6): 1.9; T(9): 1.9; S(11): 94.4	QPMNRAPsDSSLGTP;DSSLGTPsDGRPELR	S3; S11;	High	2230.994388					1	1	21.94	Medium	0.2727	5.342508793	High	0.0393	Yes;Yes
NP_003122.1	6722	4507205	SRF	serum response factor isoform 1 [Homo sapiens]	S224	1.09	1.28	ALIQTCLNSPDsPPRSDPTTDQR	1	2	1	1	1ヺTMT6plex [N-Term]; 1ヺCarbamidomethyl [C6]; 1ヺDeamidated [N8(100)]; 1ヺPhospho [S12(100)]	N8(Deamidated): 99.97; S12(Phospho): 99.97	T(5): 0.0; S(9): 0.0; S(12): 100.0; S(16): 0.0; T(19): 0.0; T(20): 0.0	TCLNSPDsPPRSDPT	S12;	High	2879.344383					1	1	21.93	Medium	0.2727	3.537138224	High	0.0791	Yes
NP_055717.2	22839	34335253	DLGAP4	disks large-associated protein 4 isoform a [Homo sapiens]	S713	1.22	1.66	RDTDsDTQDANDSSCK	1	3	1	1	2ヺTMT6plex [N-Term; K16]; 1ヺCarbamidomethyl [C15]; 1ヺDeamidated [N11(100)]; 1ヺPhospho [S5(98.5)]	S5(Phospho): 98.46; N11(Deamidated): 100	T(3): 1.5; S(5): 98.5; T(7): 0.0; S(13): 0.0; S(14): 0.0	SSRRDTDsDTQDAND	S5;	High	2353.98555					1	1	21.92	Medium	0.2273	4.272371769	High	0.0773	Yes
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S667	0.7	0.44	EGPEEPGLAKQDsFR	1	1	1	1	2ヺTMT6plex [N-Term; K10]; 1ヺPhospho [S13(100)]	S13(Phospho): 100	S(13): 100.0	PGLAKQDsFRSRLNP	S13;	High	2198.089485					1	1	21.91	Medium	1	4.610774994	High	0.6117	Yes
NP_005548.2	3868	24430192	KRT16	keratin, type I cytoskeletal 16 [Homo sapiens]	S44	0.3	0.21	APsTYGGGLSVSSR	1	1	1	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S3(100)]	S3(Phospho): 99.98	S(3): 100.0; T(4): 0.0; Y(5): 0.0; S(10): 0.0; S(12): 0.0; S(13): 0.0	GGSCRAPsTYGGGLS	S3;	High	1647.794082					1	1	21.9	Medium	0.3182	2.586487055	High	0.1776	Yes
NP_055869.1	23074	55749644	UHRF1BP1L	UHRF1-binding protein 1-like isoform a [Homo sapiens]	S953	1.13	0.78	SAsDTNLQK	1	1	1	0	2ヺTMT6plex [N-Term; K9]; 1ヺPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; T(5): 0.0	PLLFKSAsDTNLQKG	S3;	High	1501.76636					1	1	21.89	Medium	0.5909	3.515172005	High	0.2074	Yes
NP_079031.2	79811	63176611	SLTM	SAFB-like transcription modulator isoform a [Homo sapiens]	S289	1.04	2.77	DGQDAIAQsPEKESK	1	2	1	1	3ヺTMT6plex [N-Term; K12; K15]; 1ヺPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0; S(14): 0.0	GQDAIAQsPEKESKD	S9;	High	2370.215697					1	1	21.88	Medium	0.7727	4.63011837	High	0.257	Yes
NP_004765.2	5469	28559039	MED1	mediator of RNA polymerase II transcription subunit 1 [Homo sapiens]	S1401	1.36	1.07	HDGGsPSIK	1	1	1	0	2ヺTMT6plex [N-Term; K9]; 1ヺPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(7): 0.0	ISKHDGGsPSIKAKV	S5;	High	1435.734666					1	1	21.88	Medium	0.5909	3.445040941	High	0.2551	Yes
NP_005080.1	8233	4827046	ZRSR2	U2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 2 [Homo sapiens]	S349	1.21	1.47	DIYLsPDRTGSSFGK	1	1	1	1	2ヺTMT6plex [N-Term; K15]; 1ヺPhospho [S5(100)]	S5(Phospho): 100	Y(3): 0.0; S(5): 100.0; T(9): 0.0; S(11): 0.0; S(12): 0.0	ANRDIYLsPDRTGSS	S5;	High	2181.099321					1	1	21.86	Medium	0.6364	3.056357145	High	0.1046	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S377	4.99	0.67	HGGsPQPLATTPLSQEPVNPPSEASPTR	1	1	1	0	1ヺTMT6plex [N-Term]; 2ヺPhospho [S4(100); S/T]	S4(Phospho): 100; S22(Phospho): 49.34; S25(Phospho): 49.34	S(4): 100.0; T(10): 0.0; T(11): 0.0; S(14): 0.0; S(22): 49.3; S(25): 49.3; T(27): 1.3	LAERHGGsPQPLATT	S4;	High	3241.512918					1	1	21.86	Medium	0.2727	2.838815212	High	0.0563	Yes
NP_055315.2	27336	21361437	HTATSF1	HIV Tat-specific factor 1 [Homo sapiens]	S642	1.06	2.96	VFDDEsDEKEDEEYADEK	1	1	1	1	3ヺTMT6plex [N-Term; K9; K18]; 1ヺPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; Y(14): 0.0	EKVFDDEsDEKEDEE	S6;	High	2959.322465					1	1	21.76	Medium	0.8636	3.260551453	High	0.2393	Yes
NP_066267.2	288	32967601	ANK3	ankyrin-3 isoform 1 [Homo sapiens]	S1459	1.25	0.76	RQsFASLALR	1	4	1	1	1ヺTMT6plex [N-Term]; 1ヺPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0	EKTDRRQsFASLALR	S3;	High	1457.78273					1	1	21.76	Medium	0.7273	3.204831839	High	0.25	Yes
NP_006006.3	8289	21264565	ARID1A	AT-rich interactive domain-containing protein 1A isoform a [Homo sapiens]	S769	0.25	0.83	NPQMPQYSSPQPGsALSPR	1	2	2	0	1ヺTMT6plex [N-Term]; 1ヺOxidation [M4(100)]; 1ヺDeamidated [Q11(100)]; 1ヺPhospho [S14(100)]	M4(Oxidation): 100; Q11(Deamidated): 100; S14(Phospho): 100	Y(7): 0.0; S(8): 0.0; S(9): 0.0; S(14): 100.0; S(17): 0.0	YSSPQPGsALSPRQP	S14;	High	2368.084193					1	1	21.76	Medium	0.0455	3.164760828	High	0.0095	Yes
NP_065070.1	57182	62988328	ANKRD50	ankyrin repeat domain-containing protein 50 isoform 1 [Homo sapiens]	S1183	0.89	0.97	SSLSNNsLK	1	2	1	0	2ヺTMT6plex [N-Term; K9]; 1ヺPhospho [S7(100)]	S7(Phospho): 100	S(1): 0.0; S(2): 0.0; S(4): 0.0; S(7): 100.0	KSSLSNNsLKSSKNS	S7;	High	1487.787095					1	1	21.75	Medium	0.1818	2.771865606	High	0.2924	Yes
NP_006087.2	10397	37655183	NDRG1	protein NDRG1 isoform 1 [Homo sapiens]	S364; T366	0.34	0.26	SRsHtSEGAHLDITPNSGAAGNSAGPK	1	3	2	1	2ヺTMT6plex [N-Term; K27]; 2ヺPhospho [S3(96.6); T5(96.4)]	S3(Phospho): 96.58; T5(Phospho): 96.45	S(1): 0.1; S(3): 96.6; T(5): 96.5; S(6): 6.8; T(14): 0.0; S(17): 0.0; S(23): 0.0	SEGTRSRsHTSEGAH;GTRSRSHtSEGAHLD	S3; T5;	High	3237.509119					1	1	21.72	Medium	0.0455	4.981961727	High	0.0422	Yes;Yes
NP_001288027.1	29068	666875845	ZBTB44	zinc finger and BTB domain-containing protein 44 isoform 1 [Homo sapiens]	S161	2.29	0.79	DGSIsPVSSECSVVER	1	3	1	0	1ヺTMT6plex [N-Term]; 1ヺCarbamidomethyl [C11]; 1ヺPhospho [S5(100)]	S5(Phospho): 99.98	S(3): 0.0; S(5): 100.0; S(8): 0.0; S(9): 0.0; S(12): 0.0	TSRDGSIsPVSSECS	S5;	High	2016.914667					1	1	21.71	Medium	0.4091	2.978171349	High	0.2349	Yes
NP_001273540.1	85021	557636683	REPS1	ralBP1-associated Eps domain-containing protein 1 isoform c [Homo sapiens]	S162; S170; S17	0.39	0.98	TSADAQEPAsPVVSPQQsPPTsPHTWR	1	4	1	0	1ヺTMT6plex [N-Term]; 3ヺPhospho [S10(100); S18(97.4); S22(97.5)]	S10(Phospho): 100; S18(Phospho): 97.44; S22(Phospho): 97.51	T(1): 0.0; S(2): 0.0; S(10): 100.0; S(14): 2.5; S(18): 97.4; T(21): 2.6; S(22): 97.5; T(25): 0.0	ADAQEPAsPVVSPQQ;PVVSPQQsPPTSPHT;PQQSPPTsPHTWRKH	S10; S18; S22;	High	3327.432299					1	1	21.63	Medium	0.0455	4.045521736	High	0.1086	Yes;Yes;Yes
NP_001156793.2	90060	425905348	CCDC120	coiled-coil domain-containing protein 120 isoform 1 [Homo sapiens]	S315	2.55	1.09	RNsVASPTSPTR	1	4	1	1	1ヺTMT6plex [N-Term]; 1ヺPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; T(8): 0.0; S(9): 0.0; T(11): 0.0	DLKSRRNsVASPTSP	S3;	High	1581.794751					1	1	21.63	Medium	0.9545	3.253606081	High	0.3692	No
NP_001137463.1	55135	221136862	WRAP53	telomerase Cajal body protein 1 [Homo sapiens]	S54	1.55	2.43	GDPPRLsPDPVAGSAVSQELR	1	1	1	1	1ヺTMT6plex [N-Term]; 1ヺPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; S(14): 0.0; S(17): 0.0	RGDPPRLsPDPVAGS	S7;	High	2457.233633					1	1	21.59	Medium	0.8636	2.822513342	High	0.4397	Yes
NP_005981.3	6793	126362971	STK10	serine/threonine-protein kinase 10 [Homo sapiens]	T952	3.73	0.64	LSEEAECPNPStPSKAAK	1	1	1	1	3ヺTMT6plex [N-Term; K15; K18]; 1ヺCarbamidomethyl [C7]; 1ヺPhospho [T12(100)]	T12(Phospho): 99.95	S(2): 0.0; S(11): 0.0; T(12): 100.0; S(14): 0.0	AECPNPStPSKAAKF	T12;	High	2683.361709					1	1	21.58	Medium	0.2273	3.228858232	High	0.0867	Yes
NP_937879.1	9826	38026934	ARHGEF11	rho guanine nucleotide exchange factor 11 isoform 2 [Homo sapiens]	S291	1.37	0.62	NSVLSDPGLDsPRTSPVIMAR	1	2	1	1	1ヺTMT6plex [N-Term]; 1ヺOxidation [M19(100)]; 2ヺPhospho [S11(100); T/S]	S11(Phospho): 100; T14(Phospho): 50; S15(Phospho): 50; M19(Oxidation): 100	S(2): 0.0; S(5): 0.0; S(11): 100.0; T(14): 50.0; S(15): 50.0	LSDPGLDsPRTSPVI	S11;	High	2617.22955					1	1	21.56	Medium	0.2273	3.453535318	High	0.1043	No
NP_689763.3	153769	222446607	SH3RF2	putative E3 ubiquitin-protein ligase SH3RF2 [Homo sapiens]	S649	0.74	0.63	FQNYsPPPTK	1	1	1	0	2ヺTMT6plex [N-Term; K10]; 1ヺPhospho [S5(100)]	S5(Phospho): 99.26	Y(4): 0.7; S(5): 99.3; T(9): 0.0	TVRFQNYsPPPTKHY	S5;	High	1716.876245					1	1	21.56	Medium	0.3636	3.182585001	High	0.0755	Yes
NP_689982.3	255057	393794759	C19orf26	protein Dos [Homo sapiens]	S299	1.44	1.1	HAsLDGASPYFK	1	1	1	0	2ヺTMT6plex [N-Term; K12]; 1ヺPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(8): 0.0; Y(10): 0.0	TRLRRHAsLDGASPY	S3;	High	1830.919172					1	1	21.55	Medium	0.9091	3.558289051	High	0.4607	No
NP_003617.1	8500	4505983	PPFIA1	liprin-alpha-1 isoform b [Homo sapiens]	S242; S244	1.07	0.7	RSSDGsLsHEEDLAK	1	2	2	1	2ヺTMT6plex [N-Term; K15]; 2ヺPhospho [S6(97.6); S8(99.9)]	S6(Phospho): 97.62; S8(Phospho): 99.88	S(2): 0.1; S(3): 2.4; S(6): 97.6; S(8): 99.9	GKRSSDGsLSHEEDL;RSSDGSLsHEEDLAK	S6; S8;	High	2249.025244					1	1	21.55	Medium	0.1364	3.184902906	High	0.044	Yes;Yes
NP_065939.2	57648	112734870	KIAA1522	uncharacterized protein KIAA1522 isoform 1 [Homo sapiens]	S1030; S1038	1.4	0.74	KPsVGVPPPAsPSYPR	1	2	1	0	2ヺTMT6plex [N-Term; K]; 2ヺPhospho [S3(100); S11(98.4)]	S3(Phospho): 100; S11(Phospho): 98.36	S(3): 100.0; S(11): 98.4; S(13): 1.6; Y(14): 0.0	PPVARKPsVGVPPPA;VGVPPPAsPSYPRAE	S3; S11;	High	2254.143843					1	1	21.54	Medium	0.3182	5.110908985	High	0.5577	No;No
NP_005522.2	3428	112789562	IFI16	gamma-interferon-inducible protein 16 isoform 2 [Homo sapiens]	S153	4.81	0.29	GSKVSEEQTQPPsPAGAGMSTAMGR	1	1	2	1	2ヺTMT6plex [N-Term; K3]; 2ヺOxidation [M19(100); M23(100)]; 1ヺDeamidated [Q10(100)]; 1ヺPhospho [S13(100)]	Q10(Deamidated): 100; S13(Phospho): 100; M19(Oxidation): 100; M23(Oxidation): 100	S(2): 0.0; S(5): 0.0; T(9): 0.0; S(13): 100.0; S(20): 0.0; T(21): 0.0	EEQTQPPsPAGAGMS	S13;	High	3032.410638					1	1	21.48	Medium	0.1905	2.932170868	High	0.0239	Yes
NP_062536.2	56243	50843820	KIAA1217	sickle tail protein homolog isoform 1 [Homo sapiens]	S361	0.84	0.78	ISSLPVSRPIsPSPSAILER	1	6	2	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S11(99.9)]	S11(Phospho): 99.93	S(2): 0.0; S(3): 0.0; S(7): 0.0; S(11): 99.9; S(13): 0.0; S(15): 0.0	LPVSRPIsPSPSAIL	S11;	High	2415.320992	2.56	4.98	3.1	5.5	2	2	21.46	Medium	0.0476	4.422739506	High	0.1154	Yes
NP_004727.2	9213	19923272	XPR1	xenotropic and polytropic retrovirus receptor 1 isoform 1 [Homo sapiens]	S668	1.55	2.23	YNQSIsLR	1	2	1	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S6(100)]	S6(Phospho): 100	Y(1): 0.0; S(4): 0.0; S(6): 100.0	WKYNQSIsLRRPRLA	S6;	High	1289.645233					1	1	21.45	Medium	0.6667	2.592294455	High	0.2587	Yes
NP_001032242.1	221937	82546824	FOXK1	forkhead box protein K1 [Homo sapiens]	S416	1.24	0.49	sAPASPTHPGLMSPR	1	1	3	0	1ヺTMT6plex [N-Term]; 1ヺOxidation [M12(100)]; 1ヺPhospho [S1(100)]	S1(Phospho): 100; M12(Oxidation): 100	S(1): 100.0; S(5): 0.0; T(7): 0.0; S(13): 0.0	FGPLSSRsAPASPTH	S1;	High	1830.8771	9.5	47.46	20.7	42.4	3	3	21.44	Medium	0.3333	5.230302334	High	0.2008	Yes
NP_803193.2	8496	312032469	PPFIBP1	liprin-beta-1 isoform 2 [Homo sapiens]	S579	0.86	0.79	NSPFQIPPPsPDSK	1	4	1	0	2ヺTMT6plex [N-Term; K14]; 1ヺDeamidated [Q5(100)]; 1ヺPhospho [S10(100)]	Q5(Deamidated): 99.98; S10(Phospho): 100	S(2): 0.0; S(10): 100.0; S(13): 0.0	PFQIPPPsPDSKKKS	S10;	High	2050.029845					1	1	21.44	Medium	0.1429	4.215959072	High	0.0569	Yes
NP_001271317.1	9221	548923888	NOLC1	nucleolar and coiled-body phosphoprotein 1 isoform 1 [Homo sapiens]	S653	1.88	1.43	VADNsFDAK	1	3	2	0	2ヺTMT6plex [N-Term; K9]; 1ヺPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	DSRVADNsFDAKRGA	S5;	High	1504.744896	2.99	4.06	8	8.2	2	2	21.42	Medium	1	3.157067537	High	0.5696	No
NP_002366.2	4134	47519639	MAP4	microtubule-associated protein 4 isoform 1 [Homo sapiens]	T927	1.38	1.33	LATNtSAPDLK	1	2	2	0	2ヺTMT6plex [N-Term; K11]; 1ヺPhospho [T5(97.8)]	T5(Phospho): 97.81	T(3): 1.1; T(5): 97.8; S(6): 1.1	LSRLATNtSAPDLKN	T5;	High	1668.897374					1	1	21.36	Medium	0.2381	3.236253738	High	0.0216	Yes
NP_006203.2	5208	64762406	PFKFB2	6-phosphofructo-2-kinase/fructose-2, 6-bisphosphatase 2 isoform a [Homo sapiens]	S466	1.7	0.63	RNsFTPLSSSNTIR	1	1	1	1	1ヺTMT6plex [N-Term]; 1ヺDeamidated [N2(100)]; 1ヺPhospho [S3(100)]	N2(Deamidated): 100; S3(Phospho): 100	S(3): 100.0; T(5): 0.0; S(8): 0.0; S(9): 0.0; S(10): 0.0; T(12): 0.0	PVRMRRNsFTPLSSS	S3;	High	1889.931973					1	1	21.36	Medium	0.2857	2.926579952	High	0.1263	Yes
NP_722549.2	50488	27436917	MINK1	misshapen-like kinase 1 isoform 3 [Homo sapiens]	S601	1	1.07	SQsLQDQPTR	1	3	1	0	1ヺTMT6plex [N-Term]; 1ヺPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; T(9): 0.0	APVPRSQsLQDQPTR	S3;	High	1468.699453					1	1	21.32	Medium	0.3333	3.289020061	High	0.1976	Yes
NP_056130.2	23367	39725634	LARP1	la-related protein 1 [Homo sapiens]	S689	1.18	1.25	LFGAPEPSTIARsLPTTVPESPNYR	1	1	1	1	1ヺTMT6plex [N-Term]; 1ヺDeamidated [N23(100)]; 2ヺPhospho [S13(95.4); S/T/Y]	S13(Phospho): 95.38; T16(Phospho): 49.4; S21(Phospho): 49.43; N23(Deamidated): 100	S(8): 2.3; T(9): 2.3; S(13): 95.4; T(16): 49.4; T(17): 1.2; S(21): 49.4; Y(24): 0.0	EPSTIARsLPTTVPE	S13;	High	3090.478765					1	1	21.3	Medium	0.2381	3.323426485	High	0.0723	No
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	T207; T211	1.32	0.82	RWDQTADQtPGAtPK	1	1	1	1	2ヺTMT6plex [N-Term; K15]; 2ヺPhospho [T9(100); T13(100)]	T9(Phospho): 100; T13(Phospho): 100	T(5): 0.0; T(9): 100.0; T(13): 100.0	WDQTADQtPGATPKK;ADQTPGAtPKKLSSW	T9; T13;	High	2290.067049					1	1	21.26	Medium	0.7143	5.287022114	High	0.5066	Yes;Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S605	1.16	1.03	RYsPSPPPK	1	3	3	1	2ヺTMT6plex [N-Term; K9]; 1ヺPhospho [S3(100)]	S3(Phospho): 100	Y(2): 0.0; S(3): 100.0; S(5): 0.0	PPIQRRYsPSPPPKR	S3;	High	1566.844551	0.12	2.03	0.2	3	2	2	21.26	Medium	0.381	3.694659472	High	0.0542	Yes
NP_005522.2	3428	112789562	IFI16	gamma-interferon-inducible protein 16 isoform 2 [Homo sapiens]	T123	0.95	0.67	TEGAEAtPGAQK	1	1	1	0	2ヺTMT6plex [N-Term; K12]; 1ヺPhospho [T7(100)]	T7(Phospho): 100	T(1): 0.0; T(7): 100.0	KTEGAEAtPGAQKRK	T7;	High	1697.851152					1	1	21.26	Medium	0.1905	3.580165386	High	0.3994	Yes
NP_075045.2	64895	16306568	PAPOLG	poly(A) polymerase gamma [Homo sapiens]	S648	1.5	0.74	SHsPSIDGTPK	1	1	1	0	2ヺTMT6plex [N-Term; K11]; 1ヺPhospho [S3(99)]	S3(Phospho): 98.95	S(1): 1.1; S(3): 99.0; S(5): 0.0; T(9): 0.0	VTPKRSHsPSIDGTP	S3;	High	1663.845673					1	1	21.24	Medium	0.1429	3.67970252	High	0.0734	Yes
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	T313	0.93	0.83	DTPGHGSGWAEtPRTDR	1	1	1	1	1ヺTMT6plex [N-Term]; 1ヺPhospho [T12(100)]	T12(Phospho): 100	T(2): 0.0; S(7): 0.0; T(12): 100.0; T(15): 0.0	HGSGWAEtPRTDRGG	T12;	High	2148.966126					1	1	21.21	Medium	0.4762	3.169865131	High	0.1609	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al* ., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_001106983.1	8874	166064034	ARHGEF7	rho guanine nucleotide exchange factor 7 isoform c [Homo sapiens]	S518	0.03	48.05	MsGFIYQGK	1	6	1	0	2ｿTMT6plex [N-Term; K9]; 1ｿPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; Y(6): 0.0	LSASPRMsGFIYQGK	S2;	High	1568.794823					1	1	21.2	Medium	0.9524	2.97632575	High	0.302	Yes
NP_064520.2	56897	18426902	WRNIP1	ATPase WRNIP1 isoform 1 [Homo sapiens]	S153	1.77	0.47	GSGKRPAAAAAAGSAsPR	1	2	1	1	2ｿTMT6plex [N-Term; K4]; 1ｿPhospho [S16(100)]	S16(Phospho): 100	S(2): 0.0; S(14): 0.0; S(16): 100.0	AAAAGSAsPRSWDEA	S16;	High	2121.133021					1	1	21.19	Medium	0.4286	6.139867306	High	0.0782	Yes
NP_001188267.1	6294	321267469	SAFB	scaffold attachment factor B1 isoform 1 [Homo sapiens]	S601	0.67	2.67	sVVSFDK	1	4	1	0	2ｿTMT6plex [N-Term; K7]; 1ｿPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(4): 0.0	SASREKRsVVSFDKV	S1;	High	1319.701241					1	1	21.19	Medium	0.8571	3.169788599	High	0.388	Yes
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S531	1.08	1.53	STFREEsPLR	1	4	1	1	1ｿTMT6plex [N-Term]; 1ｿPhospho [S7(100)]	S7(Phospho): 100	S(1): 0.0; T(2): 0.0; S(7): 100.0	KSTFREEsPLRIKMI	S7;	High	1530.751489					1	1	21.18	Medium	0.9048	3.41687727	High	0.3889	Yes
NP_065875.3	57584	203097003	ARHGAP21	rho GTPase-activating protein 21 [Homo sapiens]	S459	0.79	0.32	SVsQERLEDSVLMK	1	1	1	1	2ｿTMT6plex [N-Term; K14]; 1ｿOxidation [M13(100)]; 1ｿPhospho [S3(100)]	S3(Phospho): 100; M13(Oxidation): 100	S(1): 0.0; S(3): 100.0; S(10): 0.0	QIRQRSVsQERLEDS	S3;	High	2175.113257					1	1	21.11	Medium	0.0952	3.191477537	High	0.1505	No
NP_038476.2	11177	32967603	BAZ1A	bromodomain adjacent to zinc finger domain protein 1A isoform a [Homo sapiens]	S1413	0.78	1.47	RQsPEPSPVTLGR	1	2	1	1	1ｿTMT6plex [N-Term]; 1ｿPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(7): 0.0; T(10): 0.0	RRCRKRQsPEPSPVT	S3;	High	1732.894465					1	1	21.1	Medium	0.4762	4.226047993	High	0.3357	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S597	1.47	1.23	RYsPPIQR	1	3	3	1	1ｿTMT6plex [N-Term]; 1ｿPhospho [S3(100)]	S3(Phospho): 100	Y(2): 0.0; S(3): 100.0	SPSPRRYsPPIQRRY	S3;	High	1325.692852	0.12	1.78	0.2	3.1	2	2	21.07	Medium	0.8095	3.597485065	High	0.0722	Yes
NP_056988.3	9669	84043963	EIF5B	eukaryotic translation initiation factor 5B [Homo sapiens]	S164	1.85	1.08	WDGsEEDEDNSKK	1	1	2	1	3ｿTMT6plex [N-Term; K12; K13]; 1ｿPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(11): 0.0	SNKKWDGsEEDEDNS	S4;	High	2306.079263	5.37	4.27	14.2	6.5	2	2	21.07	Medium	1	3.521435499	High	0.4091	Yes
NP_443134.3	114790	806638628	STK11IP	serine/threonine-protein kinase 11-interacting protein [Homo sapiens]	S761	0.65	0.61	AKNsPPQAPSTR	1	1	1	1	2ｿTMT6plex [N-Term; K2]; 1ｿDeamidated [Q7(100)]; 1ｿPhospho [S4(100)]	S4(Phospho): 100; Q7(Deamidated): 100	S(4): 100.0; S(10): 0.0; T(11): 0.0	HLDRAKNsPPQAPST	S4;	High	1792.935885					1	1	21.07	Medium	0.9048	3.0590415	High	0.3268	No
NP_009210.1	11338	6005926	U2AF2	splicing factor U2AF 65 kDa subunit isoform a [Homo sapiens]	S79	0.72	2.11	EEHGGLIRsPR	1	2	2	1	1ｿTMT6plex [N-Term]; 1ｿPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	EHGGLIRsPRHEKKK	S9;	High	1559.789271	6.13	2.66	6.2	7.9	2	2	21.06	Medium	1	4.424142361	High	0.6312	Yes
NP_001252.1	1025	4502747	CDK9	cyclin-dependent kinase 9 [Homo sapiens]	S347	1.66	1.08	KGsQITQQSTNQSR	1	1	1	1	2ｿTMT6plex [N-Term; K]; 1ｿPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(6): 0.0; S(9): 0.0; T(10): 0.0; S(13): 0.0	APPRRKGsQITQQST	S3;	High	2101.080317					1	1	21.06	Medium	0.6667	3.421728611	High	0.3246	Yes
NP_002220.1	3726	4504809	JUNB	transcription factor jun-B [Homo sapiens]	S251; T255; S25	0.93	1.17	sRDAtPPVsPINMEDQER	1	1	1	1	1ｿTMT6plex [N-Term]; 3ｿPhospho [S1(100); T5(100); S9(100)]	S1(Phospho): 100; T5(Phospho): 100; S9(Phospho): 100	S(1): 100.0; T(5): 100.0; S(9): 100.0	QTVPEARsRDATPPV;EARSRDAtPPVSPIN;RDATPPVsPINMEDQ	S1; T5; S9;	High	2511.022668					1	1	21.05	Medium	1	4.401089668	High	0.7636	Yes;Yes;Yes
NP_006800.2	10953	21361356	TOMM34	mitochondrial import receptor subunit TOM34 [Homo sapiens]	S186	1.47	2.65	NRVPsAGDVEK	1	1	1	1	2ｿTMT6plex [N-Term; K11]; 1ｿPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	ATKNRVPsAGDVEKA	S5;	High	1709.898771					1	1	21	Medium	1	3.360535622	High	0.6131	Yes
NP_001294956.1	79684	808688290	MSANTD2	myb/SANT-like DNA-binding domain-containing protein 2 isoform 3 [Homo sapiens]	S27	2.81	0.22	MEVLSPAsPGGLSDGNPSLSDPSTPR	1	2	1	0	1ｿTMT6plex [N-Term]; 1ｿOxidation [M1(100)]; 1ｿPhospho [S8(99.9)]	M1(Oxidation): 100; S8(Phospho): 99.9	S(5): 0.1; S(8): 99.9; S(13): 0.0; S(18): 0.0; S(20): 0.0; S(23): 0.0; T(24): 0.0	MEVLSPAsPGGLSDG	S8;	High	2893.348799					1	1	21	Medium	0.0476	2.888072252	High	0.0727	Yes
NP_001138769.1	23265	223718046	EXOC7	exocyst complex component 7 isoform 4 [Homo sapiens]	S250	0.76	0.83	SSSSSGVPYsPAIPNKR	1	6	1	1	2ｿTMT6plex [N-Term; K16]; 1ｿPhospho [S10(100)]	S10(Phospho): 100	S(1): 0.0; S(2): 0.0; S(3): 0.0; S(4): 0.0; S(5): 0.0; Y(9): 0.0; S(10): 100.0	SSSGVPYsPAIPNKR	S10;	High	2272.173883					1	1	20.98	Medium	0.7619	3.671254396	High	0.0736	Yes
NP_056138.1	23376	24308039	UFL1	E3 UFM1-protein ligase 1 [Homo sapiens]	S458	0.95	0.42	KDDDsDDESQSSHTGK	1	1	1	1	3ｿTMT6plex [N-Term; K16; K]; 1ｿPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(9): 0.0; S(11): 0.0; S(12): 0.0; T(14): 0.0	KGRKDDDsDDESQSS	S5;	High	2518.154947					1	1	20.97	Medium	0.5238	3.01819253	High	0.1258	Yes
NP_060585.2	55153	153791300	SDAD1	protein SDA1 homolog isoform 1 [Homo sapiens]	S585	1.04	0.65	YIEIDsDEEPRGELLSLR	1	3	1	1	1ｿTMT6plex [N-Term]; 1ｿPhospho [S6(100)]	S6(Phospho): 100	Y(1): 0.0; S(6): 100.0; S(16): 0.0	RKYIEIDsDEEPRGE	S6;	High	2443.195516					1	1	20.96	Medium	0.6667	4.762221813	High	0.2605	Yes
NP_001278893.1	4301	634743290	MLLT4	afadin isoform 4 [Homo sapiens]	S1131; S1141	0.99	0.96	sSPNVANQPPsPGGK	1	3	1	0	2ｿTMT6plex [N-Term; K15]; 2ｿPhospho [S1(98.5); S11(100)]	S1(Phospho): 98.5; S11(Phospho): 100	S(1): 98.5; S(2): 1.5; S(11): 100.0	KNRADHRsSPNVANQ;NVANQPPsPGGKSAY	S1; S11;	High	2054.971358					1	1	20.95	Medium	1	5.410377979	High	0.6322	No;No
NP_005383.3	5253	117190342	PHF2	lysine-specific demethylase PHF2 [Homo sapiens]	S899	1.23	0.69	KGsDDAPYSPTAR	1	1	2	1	2ｿTMT6plex [N-Term; K]; 1ｿPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; Y(8): 0.0; S(9): 0.0; T(11): 0.0	RSKKRKGsDDAPYSP	S3;	High	1902.936279	0.23	32.88	0.4	33.1	2	2	20.95	Medium	0.3333	4.517000198	High	0.4602	Yes
NP_005545.1	3853	5031839	KRT6A	keratin, type II cytoskeletal 6A [Homo sapiens]	S41	0.66	0.57	SGFSSVSVSRsR	1	1	3	1	1ｿTMT6plex [N-Term]; 1ｿPhospho [S11(100)]	S11(Phospho): 100	S(1): 0.0; S(4): 0.0; S(5): 0.0; S(7): 0.0; S(9): 0.0; S(11): 100.0	SSVSVSRsRGSGGLG	S11;	High	1564.768202	30.87	31.79	29.2	26	2	2	20.95	Medium	0.619	4.137590885	High	0.0459	No
NP_001180452.1	79567	302058259	FAM65A	protein FAM65A isoform 3 [Homo sapiens]	S748	2.44	0.1	TPHPsPAHSSR	1	4	1	0	1ｿTMT6plex [N-Term]; 1ｿPhospho [S5(100)]	S5(Phospho): 100	T(1): 0.0; S(5): 100.0; S(9): 0.0; S(10): 0.0	APRTPHPsPAHSSRK	S5;	High	1482.705208					1	1	20.94	Medium	0.7143	2.823619366	High	0.3156	No
NP_115812.1	283489	41281612	CHAMP1	chromosome alignment-maintaining phosphoprotein 1 [Homo sapiens]	S405	1.38	1.28	TAPTLsPEHWK	1	1	1	0	2ｿTMT6plex [N-Term; K11]; 1ｿPhospho [S6(100)]	S6(Phospho): 100	T(1): 0.0; T(4): 0.0; S(6): 100.0	RKTAPTLsPEHWKAV	S6;	High	1804.939907					1	1	20.92	Medium	0.3333	3.937859058	High	0.0888	Yes
NP_006258.3	5903	150418007	RANBP2	E3 SUMO-protein ligase RanBP2 [Homo sapiens]	S781	1.83	0.47	NADSEIKHSTPsPTR	1	1	3	1	2ｿTMT6plex [N-Term; K7]; 1ｿPhospho [S12(96.8)]	S12(Phospho): 96.8	S(4): 0.0; S(9): 0.0; T(10): 1.6; S(12): 96.8; T(14): 1.6	EIKHSTPsPTRYSLS	S12;	High	2178.095633	14.9	52.24	40	35.8	2	2	20.89	Medium	0.2857	4.661660671	High	0.03	Yes
NP_004719.2	9188	50659095	DDX21	nucleolar RNA helicase 2 isoform 1 [Homo sapiens]	S121	2.07	1.09	NEEPsEEEIDAPKPK	1	2	1	0	3ｿTMT6plex [N-Term; K13; K15]; 1ｿPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	VTKNEEPsEEEIDAP	S5;	High	2479.257227					1	1	20.87	Medium	1	3.112589121	High	0.6945	Yes
NP_001268704.1	23613	528881278	ZMYND8	protein kinase C-binding protein 1 isoform i [Homo sapiens]	S506; S510	2.37	1.2	TGQAGsLSGsPKPFSPQLSAPITTK	1	15	2	0	3ｿTMT6plex [N-Term; K12; K25]; 2ｿPhospho [S6(99.8); S10(97)]	S6(Phospho): 99.79; S10(Phospho): 96.95	T(1): 0.1; S(6): 99.8; S(8): 3.2; S(10): 97.0; S(15): 0.0; S(19): 0.0; T(23): 0.0; T(24): 0.0	TKTGQAGsLSGSPKP;QAGSLSGsPKPFSPQ	S6; S10;	High	3304.719837					1	1	20.78	Medium	0.1905	4.717082024	High	0.0212	No;No
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S738; S740	1.5	1.01	KAAsPsPQSVR	1	3	2	1	2ｿTMT6plex [N-Term; K]; 2ｿPhospho [S4(100); S6(100)]	S4(Phospho): 100; S6(Phospho): 100	S(4): 100.0; S(6): 100.0; S(9): 0.0	KKIKKAAsPSPQSVR;IKKAASPsPQSVRRV	S4; S6;	High	1745.875273	9.76	2.52	21	3.6	2	2	20.78	Medium	0.2857	4.227443218	High	0.234	Yes;Yes
NP_203752.2	85461	225543461	TANC1	protein TANC1 isoform 1 [Homo sapiens]	S1503	0.68	0.56	GRPVsPQSR	1	1	1	0	1ｿTMT6plex [N-Term]; 1ｿPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(8): 0.0	QSKGRPVsPQSRAGI	S5;	High	1292.667366					1	1	20.77	Medium	0.6667	2.865170956	High	0.101	Yes
NP_001006934.1	85012	55749431	TCEAL3	transcription elongation factor A protein-like 3 [Homo sapiens]	S121; S125	3.03	2.2	GTDDsPKDsQEDLQER	1	3	1	1	2ｿTMT6plex [N-Term; K7]; 2ｿPhospho [S5(100); S9(100)]	S5(Phospho): 100; S9(Phospho): 100	T(2): 0.0; S(5): 100.0; S(9): 100.0	TDRGTDDsPKDSQED;TDDSPKDsQEDLQER	S5; S9;	High	2438.05258					1	1	20.76	Medium	0.0952	3.596527576	High	0.1778	Yes;Yes
NP_005481.2	10045	208609985	SH2D3A	SH2 domain-containing protein 3A [Homo sapiens]	S180	0.8	1.53	TSsDPVLLK	1	1	1	0	2ｿTMT6plex [N-Term; K9]; 1ｿPhospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(2): 0.0; S(3): 100.0	SALPRTSsDPVLLKA	S3;	High	1497.832983					1	1	20.75	Medium	0.2857	2.974118948	High	0.1212	Yes
NP_056992.4	51593	58331218	SRRT	serrate RNA effector molecule homolog isoform a [Homo sapiens]	S493	0.87	1.29	LRECELsPGVNR	1	4	1	1	1ｿTMT6plex [N-Term]; 1ｿCarbamidomethyl [C4]; 1ｿPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	RLRECELsPGVNRDL	S7;	High	1738.850886					1	1	20.74	Medium	1	3.287603617	High	0.5137	Yes
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	T580	0.15	0.07	FVStTSSSRK	1	1	3	1	2ｿTMT6plex [N-Term; K10]; 1ｿPhospho [T5(97.5)]	T4(Phospho): 95.86	S(3): 1.0; T(4): 95.9; T(5): 1.0; S(6): 1.0; S(7): 0.0; S(8): 1.0	SSVKFVStTSSSRKS	T4;	High	1637.866408	97.5	147.04	20.3	15.3	2	2	20.71	Medium	0.3333	3.221781492	High	0.0497	No
NP_055845.1	285527	119874201	FRYL	protein furry homolog-like [Homo sapiens]	S1971	0.78	0.53	INHSsSLAR	1	1	2	0	1ｿTMT6plex [N-Term]; 1ｿPhospho [S5(99.3)]	S5(Phospho): 99.3	S(4): 0.0; S(5): 99.3; S(6): 0.7	DGRINHSsSLARTRS	S5;	High	1293.651381					1	1	20.71	Medium	0.0476	2.723446608	High	0.0441	Yes
NP_001019554.1	89795	557636663	NAV3	neuron navigator 3 isoform 1 [Homo sapiens]	S1113	2.62	0.97	KTsLDGSQNQDDVVLHVSSK	1	2	1	1	3ｿTMT6plex [N-Term; K20; K]; 1ｿPhospho [S3(100)]	S3(Phospho): 99.97	T(2): 0.0; S(3): 100.0; S(7): 0.0; S(18): 0.0; S(19): 0.0	SNAGRKTsLDGSQNQ	S3;	High	2924.533342					1	1	20.69	Medium	0.2381	5.973977566	High	0.0503	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	T1492	0.84	1.28	ALPQtPRPR	1	1	2	0	1ｿTMT6plex [N-Term]; 1ｿDeamidated [Q4(100)]; 1ｿPhospho [T5(100)]	Q4(Deamidated): 100; T5(Phospho): 100	T(5): 100.0	EPKALPQtPRPRSRS	T5;	High	1345.719067	4.14	4.98	4.9	9	2	2	20.68	Medium	0.8095	3.150878429	High	0.5365	Yes
NP_004563.2	5318	148664226	PKP2	plakophilin-2 isoform 2b [Homo sapiens]	S135	1.13	0.66	GTAQYSSQKsVEER	1	2	1	1	2ｿTMT6plex [N-Term; K9]; 1ｿDeamidated [Q8(100)]; 1ｿPhospho [S10(100)]	Q8(Deamidated): 99.98; S10(Phospho): 99.98	T(2): 0.0; Y(5): 0.0; S(6): 0.0; S(7): 0.0; S(10): 100.0	AQYSSQKsVEERSLR	S10;	High	2109.02655					1	1	20.66	Medium	0.3333	2.864842176	High	0.0455	Yes
NP_001010872.1	222584	61676089	FAM83B	protein FAM83B [Homo sapiens]	S466	0.96	0.78	RsFNGTDNHIR	1	1	1	1	1ｿTMT6plex [N-Term]; 1ｿPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; T(6): 0.0	RNSNVRRsFNGTDNH	S2;	High	1625.774684					1	1	20.65	Medium	1	4.008164883	High	0.4663	Yes
NP_003165.2	6840	150417971	SVIL	supervillin isoform 1 [Homo sapiens]	S245	0.9	0.4	DSSFTEVPRsPK	1	2	2	1	2ｿTMT6plex [N-Term; K12]; 1ｿPhospho [S10(100)]	S10(Phospho): 100	S(2): 0.0; S(3): 0.0; T(5): 0.0; S(10): 100.0	SFTEVPRsPKHAHSS	S10;	High	1887.961765	1.58	8.56	2	4.8	2	2	20.64	Medium	0.7619	3.471349955	High	0.3372	Yes
NP_002886.2	5933	34577079	RBL1	retinoblastoma-like protein 1 isoform a [Homo sapiens]	T369	0.6	0.8	SFAPStPLTGR	1	2	2	0	1ｿTMT6plex [N-Term]; 1ｿPhospho [T6(99.1)]	T6(Phospho): 99.12	S(1): 0.0; S(5): 0.9; T(6): 99.1; T(9): 0.0	KRSFAPStPLTGRRY	T6;	High	1442.724212					1	1	20.62	Medium	0.0476	2.70764637	High	0.0332	Yes
NP_002939.2	6138	15431293	RPL15	60S ribosomal protein L15 isoform 1 [Homo sapiens]	S97	1.09	1.29	sLQSVAEER	1	2	1	0	1ｿTMT6plex [N-Term]; 1ｿPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(4): 0.0	NQLKFARsLQSVAEE	S1;	High	1327.645627					1	1	20.61	Medium	0.5238	3.362384319	High	0.4286	Yes
NP_002817.2	5768	13325075	QSOX1	sulfhydryl oxidase 1 isoform a precursor [Homo sapiens]	S426	3.84	3.36	QNVDHsQEAAK	1	2	1	0	2ｿTMT6plex [N-Term; K11]; 1ｿPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	ARQNVDHsQEAAKAK	S6;	High	1764.868199					1	1	20.6	Medium	1	3.53103447	High	0.6091	No
NP_001367.2	1778	33350932	DYNC1H1	cytoplasmic dynein 1 heavy chain 1 [Homo sapiens]	S4368	0.74	1.49	TDsTSDGRPAWMR	1	1	3	0	1ｿTMT6plex [N-Term]; 1ｿOxidation [M12(100)]; 1ｿPhospho [S3(100)]	S3(Phospho): 99.94; M12(Oxidation): 100	T(1): 0.0; S(3): 99.9; T(4): 0.0; S(5): 0.0	EKKTRTDsTSDGRPA	S3;	High	1804.788679	127.42	80.14	219.1	403.3	2	2	20.58	Medium	0.2381	3.175396681	High	0.066	Yes
NP_803193.2	8496	312032469	PPFIBP1	liprin-beta-1 isoform 2 [Homo sapiens]	S794	1.13	1.21	RRPsDENTIAPSEVQK	1	4	2	1	2ｿTMT6plex [N-Term; K16]; 1ｿPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(8): 0.0; S(12): 0.0	NCLRRRPsDENTIAP	S4;	High	2365.227709					1	1	20.56	Medium	0.2381	4.564372063	High	0.0461	Yes
NP_001070020.2	55902	253970489	ACSS2	acetyl-coenzyme A synthetase, cytoplasmic isoform 2 [Homo sapiens]	S12	1.95	0.54	SGsGSRGQEEAGAGGR	1	2	2	1	1ｿTMT6plex [N-Term]; 1ｿDeamidated [Q8(100)]; 1ｿPhospho [S3(96.1)]	S3(Phospho): 96.1; Q8(Deamidated): 100	S(1): 2.0; S(3): 96.1; S(5): 2.0	EERVRSGsGSRGQEE	S3;	High	1772.7762					1	1	20.56	Medium	0.2381	3.694968462	High	0.0136	Yes
NP_006589.2	10723	123701900	SLC12A7	solute carrier family 12 member 7 [Homo sapiens]	T30	1.79	4.53	TEAPGtPEGPEPERPSPGDGNPR	1	1	1	0	1ｿTMT6plex [N-Term]; 1ｿPhospho [T6(100)]	T6(Phospho): 100	T(1): 0.0; T(6): 100.0; S(16): 0.0	ERTEAPGtPEGPEPE	T6;	High	2653.209269					1	1	20.55	Medium	0.5238	3.922741413	High	0.1454	Yes
NP_056261.4	25909	262359929	AHCTF1	protein ELYS [Homo sapiens]	S1953	0.86	1.1	GREVsPSDVR	1	1	3	1	1ｿTMT6plex [N-Term]; 1ｿPhospho [S5(98.9)]	S5(Phospho): 98.73	S(5): 98.7; S(7): 1.3	RVRGREVsPSDVRED	S5;	High	1410.693974	2.11	7.49	3.2	14.4	3	3	20.52	Medium	0.619	3.202825546	High	0.125	No
NP_079111.1	79893	13376245	GGNBP2	gametogenetin-binding protein 2 [Homo sapiens]	S360	0.98	1.37	LEQLCEEFsEEERVR	1	1	1	1	1ｿTMT6plex [N-Term]; 1ｿCarbamidomethyl [C5]; 1ｿPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	EQLCEEFsEEERVRE	S9;	High	2262.031094					1	1	20.51	Medium	1	4.545721054	High	0.5385	Yes
NP_055673.2	9911	54792740	TMCC2	transmembrane and coiled-coil domains protein 2 isoform 1 [Homo sapiens]	S438	1.41	0.89	NKFGsADNIAHLK	1	6	2	1	3ｿTMT6plex [N-Term; K2; K13]; 1ｿPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	LIRNKFGsADNIAHL	S5;	High	2182.198865	5.42	1.69	10.8	2.1	2	2	20.5	Medium	1	5.518602371	High	0.6467	Yes
NP_001093634.1	9749	154354968	PHACTR2	phosphatase and actin regulator 2 isoform 1 [Homo sapiens]	S248	1.02	0.8	ASAsPSTSSTSSRPK	1	4	1	0	2ｿTMT6plex [N-Term; K15]; 1ｿPhospho [S4(99.9)]	S4(Phospho): 99.93	S(2): 0.0; S(4): 99.9; S(6): 0.0; T(7): 0.0; S(8): 0.0; S(9): 0.0; T(10): 0.0; S(11): 0.0; S(12): 0.0	TGSKASAsPSTSSTS	S4;	High	1989.005421					1	1	20.5	Medium	0.15	3.000557184	High	0.0667	No
NP_001281269.1	124245	661567300	ZC3H18	zinc finger CCCH domain-containing protein 18 isoform 1 [Homo sapiens]	S67; S74	0.91	1.86	GPSQEEEDNHsDEEDRAsEPK	1	2	1	1	2ｿTMT6plex [N-Term; K21]; 1ｿDeamidated [N9(100)]; 2ｿPhospho [S11(100); S18(100)]	N9(Deamidated): 100; S11(Phospho): 100; S18(Phospho): 100	S(3): 0.0; S(11): 100.0; S(18): 100.0	QEEEDNHsDEEDRAS;SDEEDRAsEPKSQDQ	S11; S18;	High	3004.213451					1	1	20.49	Medium	0.6	3.316942453	High	0.1416	Yes;Yes
NP_001128342.1	170954	199559805	PPP1R18	phostensin [Homo sapiens]	S224	1.54	1.39	EVESRLsPGESAYQK	1	1	1	1	2ｿTMT6plex [N-Term; K15]; 1ｿPhospho [S7(100)]	S7(Phospho): 99.98	S(4): 0.0; S(7): 100.0; S(11): 0.0; Y(13): 0.0	KEVESRLsPGESAYQ	S7;	High	2218.115699					1	1	20.48	Medium	0.25	3.598472595	High	0.1056	Yes
NP_002087.2	2962	156104891	GTF2F1	general transcription factor IIF subunit 1 [Homo sapiens]	S433	1.73	1.92	LDTGPQSLsGK	1	1	1	0	2ｿTMT6plex [N-Term; K11]; 1ｿDeamidated [Q6(100)]; 1ｿPhospho [S9(100)]	Q6(Deamidated): 100; S9(Phospho): 100	T(3): 0.0; S(7): 0.0; S(9): 100.0	DTGPQSLsGKSTPQP	S9;	High	1641.85009					1	1	20.48	Medium	0.4	2.938556194	High	0.1259	Yes
NP_065798.2	57507	153945755	ZNF608	zinc finger protein 608 [Homo sapiens]	S964	0.39	0.44	ASsPSDIISSK	1	1	1	0	2ｿTMT6plex [N-Term; K11]; 1ｿPhospho [S3(99)]	S3(Phospho): 99.02	S(2): 1.0; S(3): 99.0; S(5): 0.0; S(9): 0.0; S(10): 0.0	GMRSKASsPSDIISS	S3;	High	1629.850089					1	1	20.48	Medium	0.35	2.898535013	High	0.1034	Yes
NP_004136.2	4650	33356170	MYO9B	unconventional myosin-IXb isoform 1 [Homo sapiens]	S1935	1.09	0.66	LGFSSPYEGVLNKsPK	1	2	1	1	3ｿTMT6plex [N-Term; K13; K16]; 1ｿPhospho [S14(100)]	S14(Phospho): 100	S(4): 0.0; S(5): 0.0; Y(7): 0.0; S(14): 100.0	YEGVLNKsPKTRDIQ	S14;	High	2490.361239					1	1	20.45	Medium	0.95	4.724709034	High	0.4725	Yes
NP_001778.2	984	606215166	CDK11B	cyclin-dependent kinase 11B isoform 1 [Homo sapiens]	S234	1.3	1.07	ASHWSRsPPRPPR	1	7	2	1	1ｿTMT6plex [N-Term]; 1ｿPhospho [S7(98.7)]	S7(Phospho): 98.74	S(2): 0.0; S(5): 1.3; S(7): 98.7	KASHWSRsPPRPPRE	S7;	High	1839.932916	5.29	3.17	9.7	4.8	2	2	20.45	Medium	0.5	4.658146858	High	0.1073	Yes
NP_001070736.1	84936	116268103	ZFYVE19	abscission/NoCut checkpoint regulator isoform 1 [Homo sapiens]	T459	0.61	0.4	EHQtSAYSPPRAGQEH	1	4	4	1	1ｿTMT6plex [N-Term]; 1ｿPhospho [S8(98.5)]	T4(Phospho): 97.46	T(4): 97.5; S(5): 1.3; Y(7): 0.0; S(8): 1.3	FELKEHQtSAYSPPR	T4;	High	2103.944662	60.43	105.94	55.7	65.7	2	2	20.44	Medium	0.1	3.143784046	High	0.1561	No
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1499	0.58	0.49	SRsPSSPELNNK	1	1	2	1	2ｿTMT6plex [N-Term; K12]; 1ｿPhospho [S3(98.9)]	S3(Phospho): 98.94	S(1): 1.1; S(3): 98.9; S(5): 0.0; S(6): 0.0	TPRPRSRsPSSPELN	S3;	High	1853.952263					1	1	20.42	Medium	0.35	3.424923897	High	0.0058	Yes
NP_055238.1	27125	7656879	AFF4	AF4/FMR2 family member 4 [Homo sapiens]	S836	1.18	1.12	TIsQSSSLK	1	1	1	0	2ｿTMT6plex [N-Term; K9]; 1ｿDeamidated [Q4(100)]; 1ｿPhospho [S3(100)]	S3(Phospho): 100; Q4(Deamidated): 100	T(1): 0.0; S(3): 100.0; S(5): 0.0; S(6): 0.0; S(7): 0.0	GSRKRTIsQSSSLKS	S3;	High	1489.791512					1	1	20.42	Medium	0.75	2.577192545	High	0.2597	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S2449	1.48	0.99	MGQAPSQSLLPPAQDQPRsPVPSAFSDQSR	1	1	4	1	1ｿTMT6plex [N-Term]; 1ｿOxidation [M1(100)]; 1ｿPhospho [S19(96.8)]	M1(Oxidation): 100; S19(Phospho): 92.03	S(6): 0.0; S(8): 0.0; S(19): 92.0; S(23): 4.0; S(26): 4.0; S(29): 0.0	PAQDQPRsPVPSAFS	S19;	High	3504.678012	19.8	2.31	43.2	4	2	3	20.41	Medium	0.2	7.033033371	High	0.1266	Yes
NP_003080.2	6625	29568103	SNRNP70	U1 small nuclear ribonucleoprotein 70 kDa isoform 1 [Homo sapiens]	S226	1.18	1.94	YDERPGPsPLPHR	1	1	2	0	1ｿTMT6plex [N-Term]; 1ｿPhospho [S8(100)]	S8(Phospho): 100	Y(1): 0.0; S(8): 100.0	YDERPGPsPLPHRDR	S8;	High	1829.889714	1.99	2.27	3.3	6.2	2	2	20.41	Medium	0.85	4.740015507	High	0.3903	Yes
NP_543157.1	1627	18426913	DBN1	drebrin isoform b [Homo sapiens]	S144	1.28	1.13	LSsPVLHR	1	2	4	0	1ｿTMT6plex [N-Term]; 1ｿPhospho [S3(100)]	S3(Phospho): 100	S(2): 0.0; S(3): 100.0	NGLARLSsPVLHRLR	S3;	High	1217.660489	3.62	0.29	6.6	0.5	2	2	20.4	Medium	0.55	3.791516066	High	0.0211	No
NP_001123500.1	1198	194097436	CLK3	dual specificity protein kinase CLK3 isoform a [Homo sapiens]	S157	0.43	1.39	YRsPEPDPYLSYR	1	2	2	1	1ｿTMT6plex [N-Term]; 1ｿPhospho [S3(100)]	S3(Phospho): 100	Y(1): 0.0; S(3): 100.0; Y(9): 0.0; S(11): 0.0; Y(12): 0.0	HHCKRYRsPEPDPYL	S3;	High	1951.91526					1	1	20.39	Medium	0.35	4.166919708	High	0.048	Yes
NP_056216.2	51564	169234807	HDAC7	histone deacetylase 7 isoform a [Homo sapiens]	S194	1.14	0.83	KTVsEPNLK	1	3	1	1	3ｿTMT6plex [N-Term; K9; K]; 1ｿPhospho [S4(100)]	S4(Phospho): 100	T(2): 0.0; S(4): 100.0	FPLRKTVsEPNLKLR	S4;	High	1783.033363					1	1	20.39	Medium	0.7	3.243449211	High	0.216	No

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_057537.1	51517	7705266	NCKIPSD	NCK-interacting protein with SH3 domain isoform 1 [Homo sapiens]	T180	1.03	0.79	RAAPtTPPPPVK	1	2	4	1	2ﾃTMT6plex [N-Term; K12]; 1ﾃPhospho [T5(98.8)]	T5(Phospho): 98.83	T(5): 98.8; T(6): 1.2	QPRRAAPtTPPPPVK	T5;	High	1770.007927	9.56	22.83	14	25.9	2	2	20.38	Medium	0.9	4.425001621	High	0.0248	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S404	0.67	0.47	ASsHSSQTQGGGSVTKK	1	6	2	1	3ﾃTMT6plex [N-Term; K16; K17]; 2ﾃPhospho [S3(100); S/T]	S3(Phospho): 99.96; S5(Phospho): 49.55; S6(Phospho): 49.55	S(2): 0.0; S(3): 100.0; S(5): 49.6; S(6): 49.6; T(8): 0.9; S(13): 0.0; T(15): 0.0	RSRGRASsHSSQTQG	S3;	High	2494.230709					1	1	20.38	Medium	0.2	3.013597488	High	0.0432	Yes
NP_005619.1	6510	5032093	SLC1A5	neutral amino acid transporter B(0) isoform 1 [Homo sapiens]	S493	0.79	1.15	TESRsTEPELIQVK	1	3	2	1	2ﾃTMT6plex [N-Term; K14]; 1ﾃPhospho [S5(99)]	S5(Phospho): 98.99	T(1): 0.0; S(3): 1.0; S(5): 99.0; T(6): 0.0	VDRTESRsTEPELIQ	S5;	High	2155.141186					1	1	20.37	Medium	0.15	5.433890343	High	0.0387	Yes
NP_874365.3	23513	355390313	SCRIB	protein scribble homolog isoform a [Homo sapiens]	S1475	1.11	1.87	VQsPEPPAPER	1	2	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	QERLRVQsPEPPAPE	S3;	High	1515.74059	9.29	0.85	14.7	2.3	2	2	20.32	Medium	0.95	3.235824347	High	0.5093	Yes
NP_919261.2	144108	51702222	SPTY2D1	protein SPT2 homolog [Homo sapiens]	S470	1.53	1.09	GPGRPVsSPHELR	1	1	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S7(98.5)]	S7(Phospho): 98.5	S(7): 98.5; S(8): 1.5	RGPGRPVsSPHELRR	S7;	High	1697.868584					1	1	20.3	Medium	0.9	3.176495314	High	0.0283	Yes
NP_001004317.1	389421	51972214	LIN28B	protein lin-28 homolog B [Homo sapiens]	S221	5.26	6.26	SGRsPQEASSTK	1	1	2	1	2ﾃTMT6plex [N-Term; K12]; 1ﾃPhospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; S(4): 100.0; S(9): 0.0; S(10): 0.0; T(11): 0.0	ISERSGRsPQEASST	S4;	High	1772.894414	23.61	4.4	455.3	40.5	2	2	20.29	Medium	0.1	3.577444553	High	0.1145	Yes
NP_004230.2	9321	190194412	TRIP11	thyroid receptor-interacting protein 11 [Homo sapiens]	S1891	1.19	0.6	LSVHDMKPLDsPGRR	1	1	1	1	2ﾃTMT6plex [N-Term; K7]; 1ﾃOxidation [M6(100)]; 1ﾃPhospho [S11(100)]	M6(Oxidation): 100; S11(Phospho): 100	S(2): 0.0; S(11): 100.0	HDMKPLDsPGRRKRD	S11;	High	2262.183008					1	1	20.24	Medium	1	5.483680248	High	0.6369	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1421	1.16	0.43	SSsASSPEMK	1	1	2	0	2ﾃTMT6plex [N-Term; K10]; 1ﾃOxidation [M9(100)]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100; M9(Oxidation): 100	S(1): 0.0; S(2): 0.0; S(3): 100.0; S(5): 0.0; S(6): 0.0	PSRERSSsASSPEMK	S3;	High	1564.733011					1	1	20.24	Medium	0.15	2.744368076	High	0.0255	Yes
NP_001070675.1	22872	116256338	SEC31A	protein transport protein Sec31A isoform 1 [Homo sapiens]	S799	1.87	1.19	AQGEPVAGHEsPKIPYEK	1	7	2	1	3ﾃTMT6plex [N-Term; K13; K18]; 1ﾃPhospho [S11(100)]	S11(Phospho): 100	S(11): 100.0; Y(16): 0.0	EPVAGHEsPKIPYEK	S11;	High	2704.431443	1.41	6.68	3.7	11.2	2	2	20.23	Medium	0.8	4.655382156	High	0.191	Yes
NP_005695.3	10076	110735402	PTPRU	receptor-type tyrosine-protein phosphatase U isoform 3 precursor [Homo sapiens]	S853	0.59	0.6	SGGVTEASSLLGGsPR	1	4	1	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S14(100)]	S14(Phospho): 100	S(1): 0.0; T(5): 0.0; S(8): 0.0; S(9): 0.0; S(14): 100.0	ASSLLGGsPRRPCGR	S14;	High	1783.878874					1	1	20.2	Medium	0.5	3.403204441	High	0.3206	Yes
NP_062565.2	56288	21361831	PARD3	partitioning defective 3 homolog isoform 1 [Homo sapiens]	S873	0.86	0.55	AGsPSRDVGPSLGLK	1	10	1	1	2ﾃTMT6plex [N-Term; K15]; 1ﾃPhospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; S(5): 0.0; S(11): 0.0	VDDQKAGsPSRDVGP	S3;	High	1979.072712					1	1	20.19	Medium	0.1	3.204471111	High	0.0906	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S277	0.44	0.62	LDNARQsAER	1	6	1	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	KLDNARQsAERNSNL	S7;	High	1468.710687					1	1	20.18	Medium	0.85	2.903906345	High	0.4103	Yes
NP_001120982.1	324	189011566	APC	adenomatous polyposis coli protein isoform b [Homo sapiens]	S2674	1.36	1.04	SGRsPTGNTPPVIDSVSEK	1	2	2	1	2ﾃTMT6plex [N-Term; K19]; 1ﾃPhospho [S4(100)]	S4(Phospho): 99.97	S(1): 0.0; S(4): 100.0; T(6): 0.0; T(9): 0.0; S(15): 0.0; S(17): 0.0	NNPRSGRsPTGNTPP	S4;	High	2466.264154					1	1	20.13	Medium	0.05	5.055800438	High	0.0455	Yes
NP_001163887.1	9414	282165810	TJP2	tight junction protein ZO-2 isoform 3 [Homo sapiens]	S1017	1.32	0.92	AASSDQLRDNsPPPAFKPEPPK	1	2	1	1	3ﾃTMT6plex [N-Term; K17; K22]; 1ﾃPhospho [S11(100)]	S11(Phospho): 100	S(3): 0.0; S(4): 0.0; S(11): 100.0	SDQLRDNsPPPAFKP	S11;	High	3116.638476					1	1	20.13	Medium	0.75	5.018351555	High	0.1514	No
NP_003283.2	7175	114155142	TPR	nucleoprotein TPR [Homo sapiens]	S2155	0.79	1.21	TDGFAEAIHsPQVAGVPR	1	1	1	0	1ﾃTMT6plex [N-Term]; 1ﾃDeamidated [Q12(100)]; 1ﾃPhospho [S10(100)]	S10(Phospho): 100; Q12(Deamidated): 100	T(1): 0.0; S(10): 100.0	GFAEAIHsPQVAGVP	S10;	High	2162.048065					1	1	20.12	Medium	1	2.966484785	High	0.6027	Yes
NP_006550.1	10657	5730027	KHDRBS1	KH domain-containing, RNA-binding, signal transduction-associated protein 1 isoform 1 [Homo sapiens]	S20	1.02	5.66	SGsMDPSGAHPSVR	1	2	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S3(99.4)]	S3(Phospho): 99.41	S(1): 0.6; S(3): 99.4; S(7): 0.0; S(12): 0.0	RSSGRSGsMDPSGAH	S3;	High	1693.756651					1	1	20.1	Medium	0.75	3.251650333	High	0.0215	Yes
NP_203754.2	85456	110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein [Homo sapiens]	S1385	1.33	0.69	HNGSLsPGLEARDPLEAR	1	1	2	1	1ﾃTMT6plex [N-Term]; 1ﾃDeamidated [N2(100)]; 1ﾃPhospho [S6(100)]	N2(Deamidated): 100; S6(Phospho): 99.98	S(4): 0.0; S(6): 100.0	LRHNGSLsPGLEARD	S6;	High	2229.086241					1	1	20.07	Medium	0.3	4.051951408	High	0.0247	Yes
NP_001036783.1	91748	112807226	ELMSAN1	ELM2 and SANT domain-containing protein 1 [Homo sapiens]	S996	0.87	0.31	SHESNAPGsAGGQASEKPR	1	1	1	0	2ﾃTMT6plex [N-Term; K17]; 1ﾃPhospho [S9(98.2)]	S9(Phospho): 98.15	S(1): 0.0; S(4): 0.0; S(9): 98.2; S(15): 1.9	HESNAPGsAGGQASE	S9;	High	2405.161086					1	1	20.05	Medium	0.25	4.408441067	High	0.0544	Yes
NP_060760.2	55276	63055049	PGM2	phosphoglucomutase-2 [Homo sapiens]	S165	1.13	0.53	LCAGIMITAsHNPKQDNGYK	1	1	2	1	3ﾃTMT6plex [N-Term; K14; K20]; 1ﾃCarbamidomethyl [C2]; 1ﾃOxidation [M6(100)]; 2ﾃDeamidated [N12(99.9); N17(99.9)]; 1ﾃPhospho [S10(97.7)]	M6(Oxidation): 100; S10(Phospho): 97.67; N12(Deamidated): 99.94; N17(Deamidated): 99.94	T(8): 2.3; S(10): 97.7; Y(19): 0.0	AGIMITAsHNPKQDN	S10;	High	3003.492407					1	1	20.02	Medium	0.05	4.515628338	High	0.0088	Yes
NP_005549.2	3898	20070205	LAD1	ladinin-1 [Homo sapiens]	S49	0.32	0.31	NLSSTTDDEAPRLsQNGDR	1	1	2	1	1ﾃTMT6plex [N-Term]; 1ﾃDeamidated [Q/N]; 1ﾃPhospho [S14(100)]	S14(Phospho): 100; Q15(Deamidated): 50; N16(Deamidated): 50	S(3): 0.0; S(4): 0.0; T(5): 0.0; T(6): 0.0; S(14): 100.0	DDEAPRLsQNGDRQA	S14;	High	2386.072107					1	1	20.02	Medium	0.05	3.73089838	High	0.0295	No
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S605; S607	1.05	1.43	RYsPsPPPK	1	3	13	1	2ﾃTMT6plex [N-Term; K9]; 2ﾃPhospho [S3(100); S5(100)]	S3(Phospho): 100; S5(Phospho): 100	Y(2): 0.0; S(3): 100.0; S(5): 100.0	PPIQRRYsPSPPPKR;IQRRYSPsPPPKRRT	S3; S5;	High	1646.810882	2.74	2.09	8.1	8.5	8	8	19.98	Medium	0.35	4.377218723	High	0.0342	Yes;Yes
NP_055952.2	23167	154146218	EFR3A	protein EFR3 homolog A [Homo sapiens]	S694	0.13	0.57	LSVPYVPQVTDEDRLsR	1	1	1	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S16(100)]	S16(Phospho): 100	S(2): 0.0; Y(5): 0.0; T(10): 0.0; S(16): 100.0	VTDEDRLsRRKSIVD	S16;	High	2283.158343					1	1	19.97	Medium	0.55	3.498712778	High	0.2686	Yes
NP_037418.3	29890	54607124	RBM15B	putative RNA-binding protein 15B [Homo sapiens]	S267	1.18	0.87	SLsPVAAPPLREPR	1	1	4	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S3(98.7)]	S3(Phospho): 98.69	S(1): 1.3; S(3): 98.7	QYKQRSLsPVAAPPL	S3;	High	1798.9778	19	2.01	32.6	2.5	2	2	19.96	Medium	0.2	3.771794558	High	0.0212	Yes
NP_060286.1	55646	8923398	LYAR	cell growth-regulating nucleolar protein [Homo sapiens]	S258; S260	2.32	1.32	KDsAsEEEAR	1	1	1	1	2ﾃTMT6plex [N-Term; K]; 2ﾃPhospho [S3(100); S5(100)]	S3(Phospho): 100; S5(Phospho): 100	S(3): 100.0; S(5): 100.0	KKKQRKDsASEEEAR;KQRKDSAsEEEARVG	S3; S5;	High	1739.765447					1	1	19.96	Medium	1	3.682612896	High	0.5082	No;No
NP_001412.1	2000	4503555	ELF4	ETS-related transcription factor Elf-4 [Homo sapiens]	S188	0.78	0.99	STsPVTDPSIPIR	1	1	1	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; T(2): 0.0; S(3): 100.0; T(6): 0.0; S(9): 0.0	TKGNRSTsPVTDPSI	S3;	High	1678.861433					1	1	19.94	Medium	0.3	2.626274586	High	0.1065	Yes
NP_060093.3	26505	40068049	CNNM3	metal transporter CNNM3 isoform 1 precursor [Homo sapiens]	S700	0.6	0.88	TTTAAGSSHSRPGVPVEGsPGRNPGV	1	2	1	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S19(100)]	S19(Phospho): 100	T(1): 0.0; T(2): 0.0; T(3): 0.0; S(7): 0.0; S(8): 0.0; S(10): 0.0; S(19): 100.0	PGVPVEGsPGRNPGV	S19;	High	2784.36275					1	1	19.9	Medium	0.75	6.231160164	High	0.4382	Yes
NP_060232.2	54893	124028527	MTMR10	myotubularin-related protein 10 [Homo sapiens]	S751	0.41	0.43	sILGTPLSK	1	1	1	0	2ﾃTMT6plex [N-Term; K9]; 1ﾃPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(5): 0.0; S(8): 0.0	VGNLCRRsILGTPLS	S1;	High	1453.843154					1	1	19.9	Medium	0.7	3.376852274	High	0.3018	Yes
NP_003932.3	8976	51702526	WASL	neural Wiskott-Aldrich syndrome protein [Homo sapiens]	S430	1.05	1.93	KVEQNSRPVsCSGR	1	1	1	1	2ﾃTMT6plex [N-Term; K]; 1ﾃCarbamidomethyl [C11]; 1ﾃPhospho [S10(100)]	S10(Phospho): 100	S(6): 0.0; S(10): 100.0; S(12): 0.0	EQNSRPVsCSGRDAL	S10;	High	2142.089108					1	1	19.9	Medium	0.6	2.849089622	High	0.207	Yes
NP_001032895.2	57701	208022661	NCKAP5L	nck-associated protein 5-like [Homo sapiens]	S630	2.04	2.7	AGSEsPHPGRR	1	1	1	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S5(98.7)]	S5(Phospho): 98.67	S(3): 1.3; S(5): 98.7	LDKAGSEsPHPGRRT	S5;	High	1459.700456					1	1	19.89	Medium	0.5	2.812879801	High	0.0747	No
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S597	1.47	1.15	RYsPPIQR	1	3	3	1	1ﾃTMT6plex [N-Term]; 1ﾃDeamidated [Q7(100)]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100; Q7(Deamidated): 100	Y(2): 0.0; S(3): 100.0	SPSPRRYsPPIQRRY	S3;	High	1326.676868	6.56	5.96	13.7	9.7	2	2	19.87	Medium	0.7	3.337888002	High	0.0359	Yes
NP_733793.2	9462	226958575	RASAL2	ras GTPase-activating protein nGAP isoform 2 [Homo sapiens]	S159	0.8	1.34	LEVPAERsPR	1	1	1	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0	LEVPAERsPRRRSIS	S8;	High	1462.76166					1	1	19.86	Medium	0.5	3.382487535	High	0.4527	Yes
NP_003740.2	8660	38683860	IRS2	insulin receptor substrate 2 [Homo sapiens]	S577	0.85	1.34	TYsLTTPAR	1	1	1	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; Y(2): 0.0; S(3): 100.0; T(5): 0.0; T(6): 0.0	GLRKRTYsLTTPARQ	S3;	High	1318.660549					1	1	19.85	Medium	0.5	2.692914486	High	0.1487	Yes
NP_001291493.1	54471	752507721	MIEF1	mitochondrial dynamics protein MID51 isoform 2 [Homo sapiens]	S55; S59	1.13	1.35	AIsAPTsPTR	1	2	1	0	1ﾃTMT6plex [N-Term]; 2ﾃPhospho [S3(100); S7(98.6)]	S3(Phospho): 100; S7(Phospho): 98.64	S(3): 100.0; T(6): 1.4; S(7): 98.6; T(9): 0.0	RMYDRAIsAPTSPTR;RAISAPTsPTRLSHS	S3; S7;	High	1389.637779					1	1	19.82	Medium	0.35	3.539161921	High	0.1751	Yes;Yes
NP_067047.4	58499	114431236	ZNF462	zinc finger protein 462 [Homo sapiens]	S295	1.04	1.17	SAPsPTSNSTYLTMNAASR	1	1	1	0	1ﾃTMT6plex [N-Term]; 1ﾃOxidation [M14(100)]; 1ﾃPhospho [S4(97.5)]	S4(Phospho): 97.49; M14(Oxidation): 100	S(1): 2.4; S(4): 97.5; T(6): 0.1; S(7): 0.0; S(9): 0.0; T(10): 0.0; Y(11): 0.0; T(13): 0.0; S(18): 0.0	VPNKSAPsPTSNSTY	S4;	High	2281.036908					1	1	19.82	Medium	0.25	3.411665678	High	0.0909	No
NP_001269581.1	10963	544063423	STIP1	stress-induced-phosphoprotein 1 isoform a [Homo sapiens]	S528	1.55	2.02	HDsPEDVK	1	3	1	0	2ﾃTMT6plex [N-Term; K8]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	AQYNRHDsPEDVKRR	S3;	High	1464.713596					1	1	19.8	Medium	0.55	3.485623837	High	0.639	No
NP_510880.2	399687	28416946	MYO18A	unconventional myosin-XVIIIa isoform a [Homo sapiens]	S140	0.68	0.67	RFsFSQR	1	2	1	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0	QMIVKRFsFSQRSRD	S3;	High	1236.608788					1	1	19.8	Medium	0.7	3.273539782	High	0.1865	Yes
NP_001245249.1	9537	385251374	TP53I11	tumor protein p53-inducible protein 11 [Homo sapiens]	S14	0.55	0.37	KHsQTDLVSR	1	1	1	1	2ﾃTMT6plex [N-Term; K]; 1ﾃPhospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; T(5): 0.0; S(9): 0.0	PPLMKKHsQTDLVSR	S3;	High	1708.914755					1	1	19.8	Medium	0.55	2.961250782	High	0.1182	Yes
NP_054908.2	118	29826321	ADD1	alpha-adducin isoform b [Homo sapiens]	S355	1.24	0.95	SRsPGSPVGEGTGSPPK	1	5	3	1	2ﾃTMT6plex [N-Term; K17]; 1ﾃPhospho [S3(98.5)]	S3(Phospho): 98.54	S(1): 0.0; S(3): 98.5; S(6): 1.4; T(12): 0.0; S(14): 0.0	KYKAKSRsPGSPVGE	S3;	High	2135.089819					1	1	19.76	Medium	0.1	2.983933449	High	0.4866	Yes
NP_008921.1	10163	11386183	WASF2	wiskott-Aldrich syndrome protein family member 2 isoform 1 [Homo sapiens]	S103	0.62	1.23	SsTIQDQK	1	2	1	0	2ﾃTMT6plex [N-Term; K8]; 1ﾃPhospho [S2(100)]	S2(Phospho): 100	S(1): 0.0; S(2): 100.0; T(3): 0.0	TRKAFRSsTIQDQKL	S2;	High	1444.744896					1	1	19.74	Medium	0.4	2.92656517	High	0.1433	No
NP_071334.1	54583	13489073	EGLN1	egl nine homolog 1 [Homo sapiens]	S125	0.81	1.59	AKPPADPAAAAsPCR	1	1	1	0	2ﾃTMT6plex [N-Term; K2]; 1ﾃCarbamidomethyl [C14]; 1ﾃPhospho [S12(100)]	S12(Phospho): 100	S(12): 100.0	ADPAAAAsPCRAAAG	S12;	High	2018.029468					1	1	19.73	Medium	1	3.465504646	High	0.6571	Yes
NP_001708.3	646	157276588	BNC1	zinc finger protein basonuclin-1 isoform a [Homo sapiens]	S338	0.8	0.49	TQLsPEAK	1	2	1	0	2ﾃTMT6plex [N-Term; K8]; 1ﾃPhospho [S4(100)]	S4(Phospho): 100	T(1): 0.0; S(4): 100.0	KFERTQLsPEAKVKP	S4;	High	1411.759818					1	1	19.73	Medium	0.4	3.317437172	High	0.2831	No
NP_060110.4	55604	291190781	LRRC16A	leucine-rich repeat-containing protein 16A isoform 1 [Homo sapiens]	S1360	1	0.27	SNDsGEEAEKEFIFV	1	2	1	1	2ﾃTMT6plex [N-Term; K10]; 1ﾃPhospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; S(4): 100.0	QGSKSNDsGEEAEKE	S4;	High	2239.057181					1	1	19.71	Medium	0.25	3.573738813	High	0.1176	Yes
NP_078772.1	64207	33457336	IRF2BPL	interferon regulatory factor 2-binding protein-like [Homo sapiens]	S658; S662	1.11	0.76	RNSsSPVsPASVPGQR	1	1	1	1	1ﾃTMT6plex [N-Term]; 2ﾃPhospho [S4(95.7); S8(100)]	S4(Phospho): 95.73; S8(Phospho): 100	S(3): 2.1; S(4): 95.7; S(5): 2.1; S(8): 100.0; S(11): 0.0	ASARRNSsSPVSPAS;RNSSSPVsPASVPGQ	S4; S8;	High	2014.931					1	1	19.68	Medium	0.1	3.483391285	High	0.3247	Yes;Yes
NP_004136.2	4650	33356170	MYO9B	unconventional myosin-IXb isoform 1 [Homo sapiens]	S1992	0.98	1.14	GsDEENLDSETSASTESLLEER	1	2	1	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; S(9): 0.0; T(11): 0.0; S(12): 0.0; S(14): 0.0; T(15): 0.0; S(17): 0.0	PELDPRGsDEENLDS	S2;	High	2707.166854					1	1	19.68	Medium	0.55	3.373600721	High	0.3205	Yes
NP_057688.2	51780	38372909	KDM3B	lysine-specific demethylase 3B [Homo sapiens]	S289	0.84	1.39	sASDSGCDPASK	1	1	2	0	2ﾃTMT6plex [N-Term; K12]; 1ﾃCarbamidomethyl [C7]; 1ﾃPhospho [S1(99)]	S1(Phospho): 99.02	S(1): 99.0; S(3): 1.0; S(5): 0.0; S(11): 0.0	KDGRRRKsASDSGCD	S1;	High	1719.766102					1	1	19.67	Medium	0.05	2.954979181	High	0.0271	Yes
NP_005853.2	10274	62243696	STAG1	cohesin subunit SA-1 [Homo sapiens]	S1062	1.29	0.46	NSLVTGGEDDRMsVNSGSSSSK	1	1	1	1	2ﾃTMT6plex [N-Term; K22]; 1ﾃOxidation [M12(100)]; 1ﾃPhospho [S13(100)]	M12(Oxidation): 100; S13(Phospho): 100	S(2): 0.0; T(5): 0.0; S(13): 100.0; S(16): 0.0; S(18): 0.0; S(19): 0.0; S(20): 0.0; S(21): 0.0	GGEDDRMsVNSGSSS	S13;	High	2768.281003					1	1	19.66	Medium	0.3	3.515335083	High	0.2074	Yes
NP_001137474.1	56474	221316689	CTPS2	CTP synthase 2 [Homo sapiens]	S568; S571	1.56	0.87	LSSSDRYsDAsDDSFSEPR	1	1	1	1	1ﾃTMT6plex [N-Term]; 2ﾃPhospho [S8(95.3); S11(99.9)]	S8(Phospho): 95.33; S11(Phospho): 99.93	S(2): 2.3; S(3): 2.3; S(4): 0.1; Y(7): 0.0; S(8): 95.3; S(11): 99.9; S(14): 0.1; S(16): 0.0	LSSSDRYsDASDDSF;SDRYSDAsDDSFSEP	S8; S11;	High	2509.995904					1	1	19.64	Medium	0.45	2.866939783	High	0.2927	Yes;Yes
NP_056224.3	57634	331284125	EP400	E1A-binding protein p400 [Homo sapiens]	S700	0.91	0.78	ALsPVTSR	1	1	1	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(6): 0.0; S(7): 0.0	SATNKALsPVTSRTP	S3;	High	1139.602306					1	1	19.63	Medium	0.55	2.625772715	High	0.2548	No
NP_004332.2	790	18105007	CAD	CAD protein isoform 1 [Homo sapiens]	S1859	0.65	0.8	IHRAsDPGLPAEEPK	1	2	1	1	2ﾃTMT6plex [N-Term; K15]; 1ﾃPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	PPRIHRAsDPGLPAE	S5;	High	2155.13129					1	1	19.6	Medium	0.7	5.589867115	High	0.5331	Yes
NP_001640.1	357	4502175	SHROOM2	protein Shroom2 [Homo sapiens]	S974	1.63	0.8	EGsPGSQQHPPSQK	1	1	2	0	2ﾃTMT6plex [N-Term; K14]; 1ﾃPhospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; S(6): 0.0; S(12): 0.0	DAQCREGsPGSQQHP	S3;	High	2001.97954					1	1	19.6	Medium	0.4	3.796221972	High	0.0421	Yes
NP_001181875.1	1981	302699245	EIF4G1	eukaryotic translation initiation factor 4 gamma 1 isoform 6 [Homo sapiens]	S1084	1.87	1.74	ITKPGsIDSNNQLFAPGGR	1	7	1	0	2ﾃTMT6plex [N-Term; K3]; 1ﾃPhospho [S6(98.7)]	S6(Phospho): 98.68	T(2): 1.3; S(6): 98.7; S(9): 0.0	TKITKPGsIDSNNQL	S6;	High	2510.316859					1	1	19.6	Medium	0.45	3.212512493	High	0.0997	No
NP_001139488.1	93643	225690487	TJAP1	tight junction-associated protein 1 isoform a [Homo sapiens]	S545	3.8	2.1	KDsLTQAQEQGNLLN	1	2	4	1	2ﾃTMT6plex [N-Term; K]; 1ﾃDeamidated [Q10(98.4)]; 1ﾃPhospho [S3(98.4)]	S3(Phospho): 98.57; Q6(Deamidated): 99.98	S(3): 98.6; T(5): 1.4	HHLHRKDsLTQAQEQ	S3;	High	2198.110614					1	1	19.59	Medium	0.05	3.355542183	High	0.0625	Yes
NP_001245308.1	9497	385648268	SLC4A7	sodium bicarbonate cotransporter 3 isoform b [Homo sapiens]	S284	0.49	1.25	GNGSGGsRENSTVDFSK	1	3	2	1	2ﾃTMT6plex [N-Term; K17]; 1ﾃDeamidated [N2(100)]; 1ﾃPhospho [S7(100)]	N2(Deamidated): 100; S7(Phospho): 99.99	S(4): 0.0; S(7): 100.0; S(11): 0.0; T(12): 0.0; S(16): 0.0	KGNGSGGsRENSTVD	S7;	High	2238.043991					1	1	19.59	Medium	0.05	3.000021458	High	0.0433	No
NP_004630.3	7917	149158692	BAG6	large proline-rich protein BAG6 isoform a [Homo sapiens]	T1080	1.3	1.32	AAGARPLtSPESLSR	1	2	1	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [T8(98.3)]	T8(Phospho): 98.27	T(8): 98.3; S(9): 1.7; S(12): 0.0; S(14): 0.0	AAGARPLtSPESLSR	T8;	High	1821.942143					1	1	19.54	Medium	0.2	2.956334114	High	0.0642	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1693; S1694	1.24	0.99	SSRssPELTR	1	1	2	1	1ﾃTMT6plex [N-Term]; 2ﾃPhospho [S2(100); S/T]	S4(Phospho): 95.11; S5(Phospho): 99.79	S(1): 2.6; S(2): 2.6; S(4): 95.1; S(5): 99.8; T(9): 0.0	PRRRSSRsSPELTRK;RRRSSRSsPELTRKA	S4; S5;	High	1508.67087	7.15	1.56	12.6	2.2	2	2	19.53	Medium	0.2	3.624673367	High	0.0994	Yes;Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S738	1.68	1.17	KAAsPSPQSVR	1	3	2	1	2ﾃTMT6plex [N-Term; K]; 1ﾃPhospho [S4(100)]	S4(Phospho): 99.99	S(4): 100.0; S(6): 0.0; S(9): 0.0	KKIKKAAsPSPQSVR	S4;	High	1665.908942	2.91	1.04	6.9	1.7	2	2	19.51	Medium	0.45	3.526003838	High	0.1048	Yes
NP_006744.2	6838	19557702	SURF6	surfeit locus protein 6 isoform 1 [Homo sapiens]	S138	1.34	1.08	ELsPAALEKR	1	1	1	1	2ﾃTMT6plex [N-Term; K9]; 1ﾃPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	QGSAKELsPAALEKR	S3;	High	1651.918444					1	1	19.51	Medium	1	3.04605484	High	0.5738	Yes
NP_115618.3	5361	262118282	PLXNA1	plexin-A1 precursor [Homo sapiens]	S1635	1.59	0.59	TASSPDsLRSR	1	2	1	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S7(100)]	S7(Phospho): 100	T(1): 0.0; S(3): 0.0; S(4): 0.0; S(7): 100.0; S(10): 0.0	RTASSPDsLRSRTPM	S7;	High	1485.726002					1	1	19.5	Medium	0.65	3.172775507	High	0.1956	Yes
NP_079455.3	5362	113722116	PLXNA2	plexin-A2 precursor [Homo sapiens]	S1633	0.97	1.61	YTGSPDsLR	1	2	1	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S7(100)]	S7(Phospho): 100	Y(1): 0.0; T(2): 0.0; S(4): 0.0; S(7): 100.0	RYTGSPDsLRSRAPM	S7;	High	1304.608513					1	1	19.5	Medium	0.75	2.777438164	High	0.2518	Yes
NP_001253975.1	122786	388490221	FRMD6	FERM domain-containing protein 6 isoform 2 [Homo sapiens]	S544	1.24	0.63	TSTDRHSLsLDDIR	1	3	1	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S9(98.8)]	S9(Phospho): 98.75	T(1): 0.0; S(2): 0.0; T(3): 0.0; S(7): 1.3; S(9): 98.8	STDRHSLsLDDIRLY	S9;	High	1924.932701					1	1	19.47	Medium	0.5263	3.845571518	High	0.0987	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_079358.3	80152	126722969	CENPT	centromere protein T [Homo sapiens]	S397	1.1	1.24	AAsPESASSTPESLQAR	1	1	1	0	1フTMT6plex [N-Term]; 1フPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; S(8): 0.0; S(9): 0.0; T(10): 0.0; S(13): 0.0	DASGRAAsPESASST	S3;	High	1997.937845					1	1	19.47	Medium	0.2632	3.141324759	High	0.1783	Yes
NP_055627.2	9859	109255228	CEP170	centrosomal protein of 170 kDa isoform alpha [Homo sapiens]	S1205	5.88	0.86	IRANsISR	1	3	1	1	1フTMT6plex [N-Term]; 1フPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(7): 0.0	SPRIRANsISRLSDS	S5;	High	1225.661552					1	1	19.47	Medium	0.7895	2.908808947	High	0.1134	Yes
NP_073605.4	64783	47933339	RBM15	putative RNA-binding protein 15 isoform 1 [Homo sapiens]	T568	1.19	0.64	DRtPPLLYR	1	2	1	1	1フTMT6plex [N-Term]; 1フPhospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; Y(8): 0.0	LRGARDRtPPLLYRD	T3;	High	1439.760932					1	1	19.46	Medium	0.7368	3.311896563	High	0.5227	Yes
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S582	0.22	0.22	FVSTTsSSR	1	1	2	0	1フTMT6plex [N-Term]; 1フPhospho [S3(99.3)]	S6(Phospho): 97.93	S(3): 0.0; T(4): 0.0; T(5): 1.0; S(6): 97.9; S(7): 1.0; S(8): 0.0	VKFVSTTsSSRKSFK	S6;	High	1280.608513					1	1	19.45	Medium	0.0526	2.827162743	High	0.0071	No
NP_036253.2	23580	13786127	CDC42EP4	cdc42 effector protein 4 [Homo sapiens]	S64	1.11	0.84	AGEPDGEsLDEQPSSSSSK	1	1	1	0	2フTMT6plex [N-Term; K19]; 1フDeamidated [Q12(100)]; 1フPhospho [S8(100)]	S8(Phospho): 100; Q12(Deamidated): 100	S(8): 100.0; S(14): 0.0; S(15): 0.0; S(16): 0.0; S(17): 0.0; S(18): 0.0	AGEPDGEsLDEQPSS	S8;	High	2446.09106					1	1	19.44	Medium	0.8947	2.930848122	High	0.3413	Yes
NP_005641.1	6942	31652244	TCF20	transcription factor 20 isoform 1 [Homo sapiens]	T1762; T1764	2.12	1.97	SASNGSKtDtEEEEEQQQQK	1	2	2	1	3フTMT6plex [N-Term; K7; K21]; 2フPhospho [T8(97.6); T10(100)]	T8(Phospho): 97.56; T10(Phospho): 100	S(1): 0.0; S(3): 0.1; S(6): 2.4; T(8): 97.6; T(10): 100.0	SASNGSKtDTEEEEEE;SNGSKTDtEEEEEQQ	T8; T10;	High	3228.454967	12.82	8.83	39.9	24.9	2	2	19.43	Medium	0.2105	5.349894047	High	0.1047	Yes;Yes
NP_056992.4	51593	58331218	SRRT	serrate RNA effector molecule homolog isoform a [Homo sapiens]	S540	1.84	1	LIHTLDDRTQLWAsEPGTPPLPTSLPSQNPILK	1	4	1	1	2フTMT6plex [N-Term; K33]; 1フPhospho [S14(97.3)]	S14(Phospho): 97.26	T(4): 0.0; T(9): 0.0; S(14): 97.3; T(18): 2.7; T(23): 0.0; S(24): 0.0; S(27): 0.0	DRTQLWAsEPGTPPL	S14;	High	4174.235367					1	1	19.43	Medium	0.1053	4.795921326	High	0.0854	Yes
NP_001032242.1	221937	82546824	FOXK1	forkhead box protein K1 [Homo sapiens]	S416; S420	1.06	0.66	sAPAsPTHPGLMSPR	1	1	4	0	1フTMT6plex [N-Term]; 1フOxidation [M12(100)]; 2フPhospho [S1(100); S5(100)]	S1(Phospho): 100; S5(Phospho): 100; M12(Oxidation): 100	S(1): 100.0; S(5): 100.0; T(7): 0.0; S(13): 0.0	FGPLSSRsAPASPTH;SSRSAPAsPTHPGLM	S1; S5;	High	1910.843431	14.47	13.6	31.6	18	4	4	19.42	Medium	0.4737	5.085581779	High	0.6267	Yes;Yes
NP_001264.2	1108	51599156	CHD4	chromodomain-helicase-DNA-binding protein 4 isoform 1 [Homo sapiens]	S1535	0.48	2.87	MSQPGsPSPK	1	2	1	0	2フTMT6plex [N-Term; K10]; 1フPhospho [S6(99.1)]	S6(Phospho): 99.1	S(2): 0.0; S(6): 99.1; S(8): 0.9	KKMSQPGsPSPKTPT	S6;	High	1553.779901					1	1	19.4	Medium	0.3158	2.580685139	High	0.0388	Yes
NP_115784.1	9031	14670392	BAZ1B	tyrosine-protein kinase BAZ1B [Homo sapiens]	S1468	1.34	1.27	FPDRLAEDEGDsEPEAVGQSR	1	1	1	1	1フTMT6plex [N-Term]; 1フPhospho [S12(100)]	S12(Phospho): 100	S(12): 100.0; S(20): 0.0	LAEDEGDsEPEAVGQ	S12;	High	2613.166735					1	1	19.39	Medium	1	4.084197998	High	0.3382	Yes
NP_991403.1	51599	45545424	LSR	lipolysis-stimulated lipoprotein receptor isoform 2 [Homo sapiens]	S579	0.96	0.83	DNGsRSGDLPYDGR	1	5	1	1	1フTMT6plex [N-Term]; 1フPhospho [S4(100)]	S4(Phospho): 99.99	S(4): 100.0; S(6): 0.0; Y(11): 0.0	RDPRDNGsRSGDLPY	S4;	High	1817.801686					1	1	19.39	Medium	0.3158	3.024411917	High	0.1225	Yes
NP_001273561.1	64062	557636651	RBM26	RNA-binding protein 26 isoform 2 [Homo sapiens]	S127	1.01	1.05	LNHsPPQSSSR	1	3	1	0	1フTMT6plex [N-Term]; 1フDeamidated [Q7(100)]; 1フPhospho [S4(100)]	S4(Phospho): 100; Q7(Deamidated): 100	S(4): 100.0; S(8): 0.0; S(9): 0.0; S(10): 0.0	FSRRLNHsPPQSSSR	S4;	High	1519.710353					1	1	19.37	Medium	1	2.884109974	High	0.6076	Yes
NP_060362.3	55660	151301228	PRPF40A	pre-mRNA-processing factor 40 homolog A [Homo sapiens]	S861	0.93	1.38	SDSPEsDAEREK	1	1	1	1	2フTMT6plex [N-Term; K12]; 1フPhospho [S6(100)]	S6(Phospho): 100	S(1): 0.0; S(3): 0.0; S(6): 100.0	HKSDSPEsDAEREKD	S6;	High	1887.873738					1	1	19.36	Medium	0.3158	2.839594603	High	0.1796	No
NP_003119.2	6711	112382250	SPTBN1	spectrin beta chain, non-erythrocytic 1 isoform 1 [Homo sapiens]	161; S2164; S2	1.4	0.65	TSsKEsSPIPsPTSDR	1	1	2	1	2フTMT6plex [N-Term; K4]; 3フPhospho [S3(95.5); S6(97.7); S11(97.6)]	S3(Phospho): 95.49; S6(Phospho): 97.69; S11(Phospho): 97.63	T(1): 2.3; S(2): 2.3; S(3): 95.5; S(6): 97.7; S(7): 2.3; S(11): 97.6; T(13): 2.3; S(14): 0.1	ATEQRTSsKESSPIP;QRTSSKEsSPIPSPT;KESSPIPsPTSDRKA	S3; S6; S11;	High	2374.03819	22.37	5.39	46.7	5	2	2	19.35	Medium	0.6316	4.140819073	High	0.1498	Yes;Yes;Yes
NP_699205.1	256586	23503313	LYSMD2	lysM and putative peptidoglycan-binding domain-containing protein 2 isoform 1 [Homo sapiens]	S24	0.96	0.74	APRPSAPsPPPR	1	1	1	0	1フTMT6plex [N-Term]; 1フPhospho [S8(98.3)]	S8(Phospho): 98.32	S(5): 1.7; S(8): 98.3	APRPSAPsPPPRSRS	S8;	High	1538.804193					1	1	19.33	Medium	0.2105	3.468142748	High	0.1931	Yes
NP_056262.3	157922	186659512	CAMSAP1	calmodulin-regulated spectrin-associated protein 1 [Homo sapiens]	S1372	0.46	0.8	sVHREESCSDSGTK	1	1	1	1	2フTMT6plex [N-Term; K14]; 1フCarbamidomethyl [C8]; 1フPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(7): 0.0; S(9): 0.0; S(11): 0.0; T(13): 0.0	PKKPRPKsVHREESC	S1;	High	2116.973469					1	1	19.33	Medium	1	3.465949535	High	0.4899	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	T866	0.71	1.86	QGSITSPQANEQSVtPQRR	1	1	1	1	1フTMT6plex [N-Term]; 1フDeamidated [Q17(100)]; 1フPhospho [T15(100)]	T15(Phospho): 99.96; Q17(Deamidated): 100	S(3): 0.0; T(5): 0.0; S(6): 0.0; S(13): 0.0; T(15): 100.0	QANEQSVtPQRRSCF	T15;	High	2394.161197					1	1	19.32	Medium	0.1579	3.266507387	High	0.1009	Yes
NP_006176.2	4926	71361682	NUMA1	nuclear mitotic apparatus protein 1 isoform 1 [Homo sapiens]	S271	1.07	0.81	QAAsPLEPK	1	2	1	0	2フTMT6plex [N-Term; K9]; 1フPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	LNEKQAAsPLEPKEL	S4;	High	1478.802017					1	1	19.29	Medium	1	2.87902832	High	0.5521	Yes
NP_002366.2	4134	47519639	MAP4	microtubule-associated protein 4 isoform 1 [Homo sapiens]	S941	0.74	1.29	SKVGsTENIK	1	2	2	1	3フTMT6plex [N-Term; K2; K10]; 1フPhospho [S5(100)]	S5(Phospho): 99.99	S(1): 0.0; S(5): 100.0; T(6): 0.0	NVRSKVGsTENIKHQ	S5;	High	1830.034091	5.1	0.42	5.4	0.8	2	2	19.28	Medium	0.4211	3.082614183	High	0.0519	Yes
NP_055643.1	9878	7662274	TOX4	TOX high mobility group box family member 4 isoform 1 [Homo sapiens]	S182	0.88	0.95	LSTTPSPTSsLHEDGVEDFRR	1	2	2	1	1フTMT6plex [N-Term]; 2フPhospho [S10(98.1); T/S]	T4(Phospho): 49.53; S6(Phospho): 49.53; S10(Phospho): 98.13	S(2): 0.0; T(3): 0.9; T(4): 49.5; S(6): 49.5; T(8): 0.0; S(9): 1.8; S(10): 98.1	TTPSPTSsLHEDGVE	S10;	High	2720.216736	7.65	2.72	9.5	3.6	2	2	19.27	Medium	0.0526	5.233797073	High	0.0593	Yes
NP_077003.1	79080	13129104	CCDC86	coiled-coil domain-containing protein 86 [Homo sapiens]	S58	1.66	2.27	AGLGsPERPPK	1	1	1	0	2フTMT6plex [N-Term; K11]; 1フPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	VQRAGLGsPERPPKT	S5;	High	1646.903128					1	1	19.26	Medium	1	2.827706814	High	0.5371	Yes
NP_444271.2	155435	151301053	RBM33	RNA-binding protein 33 [Homo sapiens]	S973	2.5	1.51	TNsGGGDGPHISSK	1	1	1	0	2フTMT6plex [N-Term; K14]; 1フPhospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; S(12): 0.0; S(13): 0.0	TVTHRTNsGGGDGPH	S3;	High	1851.900227					1	1	19.24	Medium	0.8421	4.540084362	High	0.0749	Yes
NP_001035088.2	644815	115392150	FAM83G	protein FAM83G [Homo sapiens]	S356	1.5	1.2	AKsVDEIAK	1	1	1	1	3フTMT6plex [N-Term; K2; K9]; 1フPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	YALVKAKsVDEIAKI	S3;	High	1727.991164					1	1	19.23	Medium	1	3.53627634	High	0.5791	Yes
NP_001273588.1	9882	557786174	TBC1D4	TBC1 domain family member 4 isoform 3 [Homo sapiens]	S666	1.33	1.26	AQGVRsPLLR	1	3	1	1	1フTMT6plex [N-Term]; 1フDeamidated [Q2(100)]; 1フPhospho [S6(100)]	Q2(Deamidated): 100; S6(Phospho): 100	S(6): 100.0	GRAQGVRsPLLRQSS	S6;	High	1406.771831					1	1	19.21	Medium	0.7368	3.454229116	High	0.4551	Yes
NP_006744.2	6838	19557702	SURF6	surfeit locus protein 6 isoform 1 [Homo sapiens]	S138	1.27	1.38	ELsPAALEK	1	1	1	0	2フTMT6plex [N-Term; K9]; 1フPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	QGSAKELsPAALEKR	S3;	High	1495.817333					1	1	19.21	Medium	0.5263	2.940420866	High	0.2347	Yes
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	T211	1.35	0.93	RWDQTADQTPGAtPK	1	1	1	1	2フTMT6plex [N-Term; K15]; 1フPhospho [T13(100)]	T13(Phospho): 100	T(5): 0.0; T(9): 0.0; T(13): 100.0	ADQTPGAtPKKLSSW	T13;	High	2210.100718					1	1	19.2	Medium	0.3684	4.873721123	High	0.2752	Yes
NP_057256.2	10422	55770884	UBAC1	ubiquitin-associated domain-containing protein 1 [Homo sapiens]	S98	1.09	1.1	RAPsPLPK	1	1	1	1	2フTMT6plex [N-Term; K8]; 1フPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	LIKKRAPsPLPKMAD	S4;	High	1403.817608					1	1	19.2	Medium	0.8947	2.840584993	High	0.243	Yes
NP_443125.1	114781	151108411	BTBD9	BTB/POZ domain-containing protein 9 isoform a [Homo sapiens]	S595	0.95	1.12	APSGSsLPSSPGSNSR	1	3	1	0	1フTMT6plex [N-Term]; 2フPhospho [S6(98.2); S]	S6(Phospho): 98.19; S9(Phospho): 49.99; S10(Phospho): 49.99	S(3): 0.0; S(5): 1.8; S(6): 98.2; S(9): 50.0; S(10): 50.0; S(13): 0.0; S(15): 0.0	LRAPSGSsLPSSPGS	S6;	High	1876.804069					1	1	19.17	Medium	0.4211	2.589521408	High	0.2432	Yes
NP_056285.1	26056	24308075	RAB11FIP5	rab11 family-interacting protein 5 [Homo sapiens]	S307	1.32	0.73	RTYsDEANQMR	1	1	1	1	1フTMT6plex [N-Term]; 1フOxidation [M10(100)]; 1フPhospho [S4(100)]	S4(Phospho): 99.98; M10(Oxidation): 100	T(2): 0.0; Y(3): 0.0; S(4): 100.0	FTHKRTYsDEANQMR	S4;	High	1695.735916					1	1	19.16	Medium	0.3684	3.622894526	High	0.0746	Yes
NP_056342.3	26000	167614488	TBC1D10B	TBC1 domain family member 10B [Homo sapiens]	S22	1.52	0.62	HGAPAAPsPPPRGSR	1	1	1	1	1フTMT6plex [N-Term]; 1フPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; S(14): 0.0	HGAPAAPsPPPRGSR	S8;	High	1763.890382					1	1	19.15	Medium	0.2105	4.239304066	High	0.1863	Yes
NP_001128342.1	170954	199559805	PPP1R18	phostensin [Homo sapiens]	S209; S213	1.11	1.26	LAEsREQsPR	1	1	1	1	1フTMT6plex [N-Term]; 2フPhospho [S4(100); S8(100)]	S4(Phospho): 100; S8(Phospho): 100	S(4): 100.0; S(8): 100.0	RSLRLAEsREQSPRR;LAESREQsPRRKEVE	S4; S8;	High	1561.697419					1	1	19.12	Medium	0.9474	3.203965664	High	0.5531	Yes;Yes
NP_001182177.1	54840	305410829	APTX	aprataxin isoform e [Homo sapiens]	S132	0.82	1.78	sGNSDSIER	1	6	1	0	1フTMT6plex [N-Term]; 1フPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(4): 0.0; S(6): 0.0	THRKRKRsGNSDSIE	S1;	High	1273.562291					1	1	19.11	Medium	0.6842	3.108071566	High	0.2958	Yes
NP_009185.2	11284	31543419	PNKP	bifunctional polynucleotide phosphatase/kinase [Homo sapiens]	T118	1.07	1.36	TPESQPDtPPGTPLVSQDEKR	1	1	1	1	2フTMT6plex [N-Term; K20]; 1フPhospho [T8(100)]	T8(Phospho): 100	T(1): 0.0; S(4): 0.0; T(8): 100.0; T(12): 0.0; S(16): 0.0	TPESQPDtPPGTPLV	T8;	High	2817.407189					1	1	19.06	Medium	0.5789	6.055714607	High	0.1634	Yes
NP_001138230.1	23187	221219024	PHLDB1	pleckstrin homology-like domain family B member 1 isoform a [Homo sapiens]	S489	1.75	1.81	EVAEsPRPR	1	2	1	0	1フTMT6plex [N-Term]; 1フPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	LNREVAEsPRPRRWA	S5;	High	1349.677596					1	1	19.06	Medium	0.7895	3.300478458	High	0.4515	Yes
NP_005641.1	6942	31652244	TCF20	transcription factor 20 isoform 1 [Homo sapiens]	S966	1.43	0.4	GNAsPGAATHDSLSDYGPQDSRPTPMR	1	2	1	0	1フTMT6plex [N-Term]; 1フOxidation [M26(100)]; 1フPhospho [S4(100)]	S4(Phospho): 100; M26(Oxidation): 100	S(4): 100.0; T(9): 0.0; S(12): 0.0; S(14): 0.0; Y(16): 0.0; S(21): 0.0; T(24): 0.0	ESYRGNAsPGAATHD	S4;	High	3110.383621					1	1	19.05	Medium	0.5789	4.723870754	High	0.2119	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S819	0.73	1.48	SRSSsSPPPK	1	1	5	1	2フTMT6plex [N-Term; K10]; 2フPhospho [S5(98.4); S]	S3(Phospho): 50; S4(Phospho): 50; S5(Phospho): 98.42	S(1): 0.0; S(3): 50.0; S(4): 50.0; S(5): 98.4; S(6): 1.6	PRRSRSSsSPPPKQK	S5;	High	1647.790874	45.49	3.51	62.3	9	3	3	19.05	Medium	0.2105	3.199507236	High	0.025	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S392	0.54	0.65	LSPsPTSQR	1	6	2	0	1フTMT6plex [N-Term]; 1フPhospho [S4(100)]	S4(Phospho): 98.88	S(2): 0.0; S(4): 98.9; T(6): 1.1; S(7): 0.0	ERLRLSPsPTSQRSR	S4;	High	1281.640148	20.53	20.87	15.8	19.5	2	2	19.05	Medium	0.0526	2.905997515	High	0.0825	Yes
NP_061155.2	54443	31657094	ANLN	actin-binding protein anillin isoform 1 [Homo sapiens]	S182	0.45	0.57	AAsPPRPLLSNASATPVGR	1	3	1	0	1フTMT6plex [N-Term]; 1フPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(10): 0.0; S(13): 0.0; T(15): 0.0	PSEEKAAsPPRPLLS	S3;	High	2171.153533					1	1	19.04	Medium	1	2.915323496	High	0.2397	Yes
NP_001243211.1	3856	372466572	KRT8	keratin, type II cytoskeletal 8 isoform 1 [Homo sapiens]	S52	1.3	0.58	AFSSRsYTSGPGSR	1	2	2	1	1フTMT6plex [N-Term]; 1フPhospho [S6(100)]	S6(Phospho): 99.98	S(3): 0.0; S(4): 0.0; S(6): 100.0; Y(7): 0.0; T(8): 0.0; S(9): 0.0; S(13): 0.0	PRAFSSRsYTSGPGS	S6;	High	1768.821694	10.47	5.21	19.5	4.3	2	2	19.03	Medium	0.2632	3.549255371	High	0.1211	No
NP_076412.3	65979	115430209	PHACTR4	phosphatase and actin regulator 4 isoform 2 [Homo sapiens]	S128	0.92	0.7	SSsPVQVEEEPVR	1	2	2	0	1フTMT6plex [N-Term]; 1フDeamidated [Q6(100)]; 1フPhospho [S3(100)]	S3(Phospho): 99.97; Q6(Deamidated): 100	S(1): 0.0; S(2): 0.0; S(3): 100.0	IGNARSSsPVQVEEE	S3;	High	1752.825442					1	1	19.02	Medium	0.2105	3.817171335	High	0.0497	No
NP_005110.2	9967	167234419	THRAP3	thyroid hormone receptor-associated protein 3 [Homo sapiens]	S682	1.36	1.54	RIDIsPSTFR	1	1	1	1	1フTMT6plex [N-Term]; 1フPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(7): 0.0; T(8): 0.0	IHRRIDIsPSTFRKH	S5;	High	1500.77731					1	1	19.01	Medium	0.6316	2.934258699	High	0.1877	Yes
NP_116265.1	84962	14249622	AJUBA	LIM domain-containing protein ajuba isoform 1 [Homo sapiens]	S79	0.64	1.47	NQRGsFEAPR	1	2	1	1	1フTMT6plex [N-Term]; 1フPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	AERNQRGsFEAPRYE	S5;	High	1470.705208					1	1	18.99	Medium	0.9474	2.905329943	High	0.4536	Yes
NP_116114.1	84811	14249338	BUD13	BUD13 homolog isoform 1 [Homo sapiens]	S197; S201	1.78	1.25	HDsPDPsPPRR	1	1	2	1	1フTMT6plex [N-Term]; 2フPhospho [S3(100); S7(100)]	S3(Phospho): 100; S7(Phospho): 100	S(3): 100.0; S(7): 100.0	PRRARHDsPDPSPPR;RHDSPDPsPPRRPQH	S3; S7;	High	1649.703567	8.02	8.11	20.4	14.5	2	2	18.98	Medium	1	3.094131947	High	0.644	Yes;Yes
NP_085148.1	80851	24308303	SH3BP5L	SH3 domain-binding protein 5-like [Homo sapiens]	S343; S350	1.59	3.89	TVAsDLQKCDsVEHLR	1	1	1	1	2フTMT6plex [N-Term; K8]; 1フCarbamidomethyl [C9]; 2フPhospho [S4(100); S11(100)]	S4(Phospho): 100; S11(Phospho): 100	T(1): 0.0; S(4): 100.0; S(11): 100.0	LSLRTVAsDLQKCDS;SDLQKCDsVEHLRGL	S4; S11;	High	2476.170862					1	1	18.97	Medium	0.8947	3.978366613	High	0.2337	Yes;Yes
NP_510880.2	399687	28416946	MYO18A	unconventional myosin-XVIIIa isoform a [Homo sapiens]	S2007	0.41	0.61	SSsPTSYWK	1	2	1	0	2フTMT6plex [N-Term; K9]; 1フPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(2): 0.0; S(3): 100.0; T(5): 0.0; S(6): 0.0; Y(7): 0.0	DGSLKSSsPTSYWKS	S3;	High	1580.776196					1	1	18.94	Medium	0.1579	2.663563013	High	0.1278	Yes
NP_054908.2	118	29826321	ADD1	alpha-adducin isoform b [Homo sapiens]	S617	0.58	0.53	QKGsEENLDEAR	1	5	1	1	2フTMT6plex [N-Term; K2]; 1フPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	VERKQKGsEENLDEA	S4;	High	1913.937007					1	1	18.89	Medium	1	3.029283762	High	0.4983	No
NP_056140.1	23379	149363685	ICE1	little elongation complex subunit 1 [Homo sapiens]	S925	1.18	1.11	SIsPEVSASR	1	1	1	0	1フTMT6plex [N-Term]; 1フPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(7): 0.0; S(9): 0.0	VAAVKSIsPEVSASR	S3;	High	1341.661277					1	1	18.86	Medium	0.3684	2.820969105	High	0.2447	Yes
NP_055907.3	23049	62243658	SMG1	serine/threonine-protein kinase SMG1 [Homo sapiens]	T3573	1.96	0.56	NLATSADtPPSTVPGTGK	1	1	1	0	2フTMT6plex [N-Term; K18]; 1フPhospho [T8(100)]	T8(Phospho): 99.97	T(4): 0.0; S(5): 0.0; T(8): 100.0; S(11): 0.0; T(12): 0.0; T(16): 0.0	NLATSADtPPSTVPG	T8;	High	2252.157564					1	1	18.84	Medium	0.3158	4.287403584	High	0.0746	Yes
NP_001099008.1	10514	157694494	MYBBP1A	myb-binding protein 1A isoform 1 [Homo sapiens]	S11	1.09	0.95	DPAQPMsPGEATQSGARPADR	1	2	2	0	1フTMT6plex [N-Term]; 1フOxidation [M6(100)]; 1フDeamidated [Q4(100)]; 1フPhospho [S7(100)]	Q4(Deamidated): 100; M6(Oxidation): 100; S7(Phospho): 100	S(7): 100.0; T(12): 0.0; S(14): 0.0	RDPAQPMsPGEATQS	S7;	High	2465.096548	24.88	0.13	39.9	0.2	2	2	18.84	Medium	0.4737	3.5866189	High	0.1281	Yes
NP_005641.1	6942	31652244	TCF20	transcription factor 20 isoform 1 [Homo sapiens]	S574	1.31	1.15	LNAsPAAREEATSPGAK	1	2	1	1	2フTMT6plex [N-Term; K17]; 1フPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(12): 0.0; S(13): 0.0	EPPRLNAsPAAREEA	S4;	High	2208.142583					1	1	18.82	Medium	0.9474	2.810274124	High	0.2989	Yes
NP_006691.1	10906	5729828	TRAFD1	TRAF-type zinc finger domain-containing protein 1 [Homo sapiens]	S415	1.32	0.78	LDSQPQETsPELPRR	1	1	1	1	1フTMT6plex [N-Term]; 1フPhospho [S9(100)]	S9(Phospho): 99.99	S(3): 0.0; T(8): 0.0; S(9): 100.0	DSQPQETsPELPRRR	S9;	High	2062.016764					1	1	18.8	Medium	0.0526	4.29035759	High	0.0536	Yes
NP_054836.2	29035	38016919	C16orf72	UPF0472 protein C16orf72 [Homo sapiens]	S212	3.45	0.64	SSTPGsPTHVSSGSNASR	1	1	1	0	1フTMT6plex [N-Term]; 1フPhospho [S6(99.9)]	S6(Phospho): 99.91	S(1): 0.0; S(2): 0.0; T(3): 0.0; S(6): 99.9; T(8): 0.0; S(11): 0.0; S(12): 0.0; S(14): 0.0; S(17): 0.0	VRSSTPGsPTHVSSG	S6;	High	2024.923592					1	1	18.79	Medium	0.2105	2.899519444	High	0.1276	Yes
NP_004220.2	9282	28558973	MED14	mediator of RNA polymerase II transcription subunit 14 [Homo sapiens]	S617	0.86	1.29	KLsDDPCPVESK	1	1	1	1	3フTMT6plex [N-Term; K12; K]; 1フCarbamidomethyl [C7]; 1フPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(11): 0.0	TNAKRKLsDDPCPVE	S3;	High	2142.112084					1	1	18.77	Medium	0.9474	3.617117405	High	0.6271	Yes
NP_001171914.1	65125	296939600	WNK1	serine/threonine-protein kinase WNK1 isoform 4 [Homo sapiens]	S378	0.93	0.87	RAsFAK	1	7	1	1	2フTMT6plex [N-Term; K6]; 1フPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	LATLKRAsFAKSVIG	S3;	High	1217.68078					1	1	18.77	Medium	0.2105	3.230923891	High	0.1672	Yes
NP_001005731.1	3691	54607033	ITGB4	integrin beta-4 isoform 3 precursor [Homo sapiens]	S1424	0.33	0.31	DYNsLTR	1	3	1	0	1フTMT6plex [N-Term]; 1フPhospho [S4(100)]	S4(Phospho): 100	Y(2): 0.0; S(4): 100.0; T(6): 0.0	TLTRDYNsLTRSEHS	S4;	High	1177.545185					1	1	18.76	Medium	0.4737	2.799571276	High	0.1571	Yes
NP_036364.2	284119	42734430	PTRF	polymerase I and transcript release factor [Homo sapiens]	T302	0.65	0.75	KSFtPDHVVYAR	1	1	1	1	2フTMT6plex [N-Term; K]; 1フPhospho [T4(100)]	T4(Phospho): 100	S(2): 0.0; T(4): 100.0; Y(10): 0.0	DKLRKSFtPDHVVYA	T4;	High	1958.030119					1	1	18.74	Medium	0.5789	3.431961298	High	0.1399	Yes
NP_001191676.1	5981	325296984	RFC1	replication factor C subunit 1 isoform 2 [Homo sapiens]	S368	1	0.95	ESVsPEDSEK	1	2	1	0	2フTMT6plex [N-Term; K10]; 1フPhospho [S4(100)]	S4(Phospho): 100	S(2): 0.0; S(4): 100.0; S(8): 0.0	PAKKESVsPEDSEKK	S4;	High	1644.776984					1	1	18.74	Medium	0.2632	3.133838892	High	0.1725	Yes
NP_003760.1	8683	4506903	SRSF9	serine/arginine-rich splicing factor 9 [Homo sapiens]	S211	0.42	1.29	GsPHYFSPFRPY	1	1	1	0	1フTMT6plex [N-Term]; 1フPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; Y(5): 0.0; S(7): 0.0; Y(12): 0.0	SPYQSRGsPHYFSPF	S2;	High	1763.814424					1	1	18.71	Medium	1	3.834621429	High	0.2715	Yes
NP_005392.2	5784	34328899	PTPN14	tyrosine-protein phosphatase non-receptor type 14 [Homo sapiens]	S314	0.7	0.73	ICTEQSNsPPPIRR	1	1	1	1	1フTMT6plex [N-Term]; 1フCarbamidomethyl [C2]; 1フPhospho [S8(100)]	S8(Phospho): 100	T(3): 0.0; S(6): 0.0; S(8): 100.0	ICTEQSNsPPPIRRQ	S8;	High	1963.962227					1	1	18.7	Medium	0.5263	4.02123642	High	0.1393	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_036244.2	22974	20127519	TPX2	targeting protein for Xklp2 [Homo sapiens]	T369	0.58	1.51	ICRDPQtPVLQTK	1	1	1	1	2×TMT6plex [N-Term; K13]; 1×Carbamidomethyl [C2]; 1×Phospho [T7(100)]	T7(Phospho): 100	T(7): 100.0; T(12): 0.0	KICRDPQtPVLQTKH	T7;	High	2094.118283					1	1	18.67	Medium	1	2.900374651	High	0.3586	Yes
NP_115811.2	84451	155723000	KIAA1804	mitogen-activated protein kinase kinase kinase MLK4 [Homo sapiens]	S528	1.16	1.4	ITVQAsPNLDKR	1	1	1	1	2×TMT6plex [N-Term; K11]; 1×Phospho [S6(100)]	S6(Phospho): 100	T(2): 0.0; S(6): 100.0	HKITVQAsPNLDKRR	S6;	High	1880.040684					1	1	18.66	Medium	0.6842	2.971212864	High	0.3199	No
NP_005481.2	10045	208609985	SH2D3A	SH2 domain-containing protein 3A [Homo sapiens]	S201	0.79	1.71	AsDGQLQAK	1	1	1	0	2×TMT6plex [N-Term; K9]; 1×Phospho [S2(100)]	S2(Phospho): 100	S(2): 100.0	VADSLRAsDGQLQAK	S2;	High	1455.760881					1	1	18.66	Medium	1	2.734765291	High	0.4176	Yes
NP_003474.1	8091	4504431	HMGA2	high mobility group protein HMGI-C isoform a [Homo sapiens]	S44	2.26	1.22	KQQQEPTGEPsPK	1	4	1	1	3×TMT6plex [N-Term; K13; K]; 3×Deamidated [Q2(100); Q3(100); Q4(100)]; 1×Phospho [S11(100)]	Q2(Deamidated): 100; Q3(Deamidated): 100; Q4(Deamidated): 100; S11(Phospho): 100	T(7): 0.0; S(11): 100.0	QEPTGEPsPKRPRGR	S11;	High	2224.135322					1	1	18.64	Medium	0.8947	4.624891281	High	0.3528	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S636; S638	0.93	1.13	RVsHsPPPK	1	3	3	1	2×TMT6plex [N-Term; K9]; 2×Phospho [S3(100); S5(100)]	S3(Phospho): 100; S5(Phospho): 100	S(3): 100.0; S(5): 100.0	PPPKRRVsHSPPPKQ;PKRRVSHsPPPKQRS	S3; S5;	High	1622.822115	3.43	6.64	5.5	13	3	3	18.61	Medium	0.8421	4.154986382	High	0.4699	Yes;Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S148; S150	0.46	0.48	LQsAsPSTR	1	1	2	0	1×TMT6plex [N-Term]; 2×Phospho [S3(100); S5(100)]	S3(Phospho): 100; S5(Phospho): 99.98	S(3): 100.0; S(5): 100.0; S(7): 0.0; T(8): 0.0	EIRVRLQsASPSTRW;RVRLQSAsPSTRWTE	S3; S5;	High	1335.590829	28.83	64.36	19	45.5	2	2	18.55	Medium	0.4737	2.600034952	High	0.3269	Yes;Yes
NP_056169.1	23511	62955803	NUP188	nucleoporin NUP188 homolog [Homo sapiens]	S1717	0.75	1.58	GAPSSPATGVLPsPQGK	1	1	1	0	2×TMT6plex [N-Term; K17]; 2×Phospho [S13(100); S/T]	S4(Phospho): 49.58; S5(Phospho): 49.58; S13(Phospho): 100	S(4): 49.6; S(5): 49.6; T(8): 0.9; S(13): 100.0	PATGVLPsPQGKSTS	S13;	High	2169.075823					1	1	18.53	Medium	0.1053	3.515533924	High	0.0852	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	T614; S616	1.31	0.98	tAsPPPPPKR	1	3	4	1	2×TMT6plex [N-Term; K9]; 2×Phospho [T1(100); S3(100)]	T1(Phospho): 100; S3(Phospho): 100	T(1): 100.0; S(3): 100.0	SPPPKRRtASPPPPP;PPKRRTAsPPPPPKR	T1; S3;	High	1665.853081	3.4	6.48	8.9	12.7	4	4	18.51	Medium	1	4.345619678	High	0.6069	Yes;Yes
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S998	1.52	0.82	MEDEGGFPVPQENGQPEsPR	1	1	1	0	1×TMT6plex [N-Term]; 1×Oxidation [M1(100)]; 1×Phospho [S18(100)]	M1(Oxidation): 100; S18(Phospho): 100	S(18): 100.0	QENGQPEsPRRLSLG	S18;	High	2525.085314					1	1	18.5	Medium	1	3.29855299	High	0.6242	Yes
NP_002964.3	6311	171543895	ATXN2	ataxin-2 [Homo sapiens]	T741	1.05	1.5	AVtPSSEAK	1	1	1	0	2×TMT6plex [N-Term; K9]; 1×Phospho [T3(100)]	T3(Phospho): 100	T(3): 100.0; S(5): 0.0; S(6): 0.0	PASNRAVtPSSEAKD	T3;	High	1427.754733					1	1	18.5	Medium	0.1111	2.607811689	High	0.0881	Yes
NP_803193.2	8496	312032469	PPFIBP1	liprin-beta-1 isoform 2 [Homo sapiens]	T622	1.06	0.71	GGTRAtAGPR	1	4	2	1	1×TMT6plex [N-Term]; 1×Phospho [T6(100)]	T6(Phospho): 99.96	T(3): 0.0; T(6): 100.0	KRGGTRAtAGPRLGW	T6;	High	1252.636065	3.25	1.61	4.9	1.6	2	2	18.49	Medium	0.2222	3.371041775	High	0.184	Yes
NP_001242941.1	4628	365192532	MYH10	myosin-10 isoform 1 [Homo sapiens]	S2006	0.56	2.05	TSDVNETQPPQsE	1	3	1	0	1×TMT6plex [N-Term]; 1×Deamidated [Q/N]; 1×Phospho [S12(100)]	Q8(Deamidated): 50; Q11(Deamidated): 50; S12(Phospho): 100	T(1): 0.0; S(2): 0.0; T(7): 0.0; S(12): 100.0	NETQPPQsE_	S12;	High	1741.736687					1	1	18.48	Medium	0.2778	2.614900589	High	0.0383	No
NP_001287750.1	1975	664805999	EIF4B	eukaryotic translation initiation factor 4B isoform 1 [Homo sapiens]	S500; S509	2.02	1.08	sQSSDTEQQsPTSGGGK	1	2	1	0	2×TMT6plex [N-Term; K17]; 1×Deamidated [Q2(98.1)]; 2×Phospho [S1(96.3); S10(100)]	S1(Phospho): 96.32; Q2(Deamidated): 98.14; S10(Phospho): 100	S(1): 96.3; S(3): 1.8; S(4): 1.8; T(6): 0.0; S(10): 100.0; T(12): 0.0; S(13): 0.0	SSNPPARsQSSDTEQ;SSDTEQQsPTSGGGK	S1; S10;	High	2299.973268					1	1	18.47	Medium	0.0556	3.020927191	High	0.0993	No;No
NP_060110.4	55604	291190781	LRRC16A	leucine-rich repeat-containing protein 16A isoform 1 [Homo sapiens]	S1291	1.23	0.91	TASRPDDIPDSPSsPK	1	2	2	0	2×TMT6plex [N-Term; K16]; 1×Phospho [S14(100)]	S14(Phospho): 98.35	T(1): 0.0; S(3): 0.0; S(11): 0.0; S(13): 1.6; S(14): 98.4	DIPDSPSsPKVALLP	S14;	High	2208.094964	0.51	21.34	0.9	27.9	2	2	18.46	Medium	0.1667	4.013693333	High	0.0673	Yes
NP_996790.3	5562	94557299	PRKAA1	5'-AMP-activated protein kinase catalytic subunit alpha-1 isoform 2 [Homo sapiens]	S511	1.97	1.79	SGsVSNYR	1	2	1	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; S(5): 0.0; Y(7): 0.0	ATPQRSGsVSNYRSC	S3;	High	1178.540434					1	1	18.42	Medium	0.2222	2.918750525	High	0.1199	No
NP_005641.1	6942	31652244	TCF20	transcription factor 20 isoform 1 [Homo sapiens]	S1792	0.76	1.26	HRsEDCGGGPR	1	2	1	1	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C6]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	RFKRRHRsEDCGGGP	S3;	High	1536.657606					1	1	18.41	Medium	1	3.742141962	High	0.5508	Yes
NP_005578.2	4205	195972799	MEF2A	myocyte-specific enhancer factor 2A isoform 1 [Homo sapiens]	S400	0.79	0.68	SEPIsPPRDR	1	4	1	1	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; S(5): 100.0	SIKSEPIsPPRDRMT	S5;	High	1462.725274					1	1	18.38	Medium	0.6111	3.001848698	High	0.0933	No
NP_006471.2	10636	21361304	RGS14	regulator of G-protein signaling 14 [Homo sapiens]	S288	0.63	0.78	sLGSTEGESESRPGK	1	1	1	0	2×TMT6plex [N-Term; K15]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(4): 0.0; T(5): 0.0; S(9): 0.0; S(11): 0.0	KSESHRKsLGSTEGE	S1;	High	2059.0109					1	1	18.36	Medium	0.6667	3.637059689	High	0.2033	Yes
NP_005981.3	6793	126362971	STK10	serine/threonine-protein kinase 10 [Homo sapiens]	S450; S454	1.29	1.05	ASQsRPNsSALETLGGEK	1	1	2	0	2×TMT6plex [N-Term; K18]; 2×Phospho [S4(97.6); S8(99.9)]	S4(Phospho): 96.67; S8(Phospho): 96.77	S(2): 3.2; S(4): 96.7; S(8): 96.8; S(9): 3.3; T(13): 0.0	RSQKASQsRPNSSAL;ASQSRPNsSALETLG	S4; S8;	High	2450.17297	7.73	27.13	14.2	41.8	2	2	18.32	Medium	0.1667	5.112307549	High	0.1135	Yes;Yes
NP_062457.3	56181	153251745	MTFR1L	mitochondrial fission regulator 1-like isoform a [Homo sapiens]	S103	0.74	0.71	NAsVPNLR	1	2	1	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	IVMQRNAsVPNLRGS	S3;	High	1179.608454					1	1	18.32	Medium	0.6667	2.696273088	High	0.4963	No
NP_060072.1	55593	33457350	OTUD5	OTU domain-containing protein 5 isoform a [Homo sapiens]	S64	1.42	1.39	AsPPPQGPLPGPPGALHR	1	2	1	0	1×TMT6plex [N-Term]; 1×Phospho [S2(100)]	S2(Phospho): 100	S(2): 100.0	VGARPRAsPPPQGPL	S2;	High	2055.073826					1	1	18.31	Medium	1	3.219805956	High	0.6925	Yes
NP_006654.2	10848	63003907	PPP1R13L	relA-associated inhibitor [Homo sapiens]	S152	0.8	0.82	AFDGAGSsLGR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S8(100)]	S8(Phospho): 99.99	S(7): 0.0; S(8): 100.0	AFDGAGSsLGRAPSP	S8;	High	1346.630311					1	1	18.31	Medium	0.0556	3.126955986	High	0.1054	Yes
NP_055642.3	9877	114842410	ZC3H11A	zinc finger CCCH domain-containing protein 11A [Homo sapiens]	S132	1.54	1.15	LSVQSNPsPQLR	1	2	1	0	1×TMT6plex [N-Term]; 1×Phospho [S8(100)]	S8(Phospho): 99.99	S(2): 0.0; S(5): 0.0; S(8): 100.0	LSVQSNPsPQLRSVM	S8;	High	1634.846452					1	1	18.31	Medium	0.5556	2.845671892	High	0.2105	Yes
NP_006133.1	2810	5454052	SFN	14-3-3 protein sigma [Homo sapiens]	S74	1.79	0.49	SNEEGsEEKGPEVR	1	1	2	1	2×TMT6plex [N-Term; K9]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(1): 0.0; S(6): 100.0	QKSNEEGsEEKGPEV	S6;	High	2084.990164	10.68	1.28	27.6	0.9	2	2	18.27	Medium	0.7222	3.592340231	High	0.2201	Yes
NP_004119.1	2963	4758488	GTF2F2	general transcription factor IIF subunit 2 [Homo sapiens]	S248	1.4	2.31	HYQGEEKsD	1	1	1	1	2×TMT6plex [N-Term; K7]; 1×Phospho [S8(100)]	S8(Phospho): 100	Y(2): 0.0; S(8): 100.0	HYQGEEKsD_	S8;	High	1630.751438					1	1	18.27	Medium	1	3.1857481	High	0.6332	Yes
NP_065812.1	57521	22094987	RPTOR	regulatory-associated protein of mTOR isoform 1 [Homo sapiens]	S722	0.83	0.56	SVSsYGNIR	1	2	4	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 99.99	S(1): 0.0; S(3): 0.0; S(4): 100.0; Y(5): 0.0	PRLRSVSsYGNIRAV	S4;	High	1291.624498	6.29	15.67	7.4	12.4	2	2	18.26	Medium	0.7222	2.753183842	High	0.0182	Yes
NP_001737.1	821	10716563	CANX	calnexin precursor [Homo sapiens]	S554	1.01	3.85	QKsDAEEDGGTVSQEEDR	1	1	1	1	2×TMT6plex [N-Term; K2]; 1×Deamidated [Q14(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; Q14(Deamidated): 100	S(3): 100.0; T(11): 0.0; S(13): 0.0	KLEEKQKsDAEEDGG	S3;	High	2648.161265					1	1	18.24	Medium	1	4.616876125	High	0.4069	Yes
NP_001163887.1	9414	282165810	TJP2	tight junction protein ZO-2 isoform 3 [Homo sapiens]	S201	1.02	0.78	SRsWEDSPER	1	6	3	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(7): 0.0	SHGGRSRsWEDSPER	S3;	High	1557.689617	6.83	5.58	12.1	7.6	3	3	18.24	Medium	0.2222	4.402409077	High	0.1182	No
NP_001245238.1	4839	385198061	NOP2	probable 28S rRNA (cytosine(4447)-C(5))-methyltransferase isoform 3 [Homo sapiens]	S58	3.09	2.56	RLGsVEAPK	1	4	1	1	2×TMT6plex [N-Term; K9]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	AAKRRLGsVEAPKTN	S4;	High	1494.844551					1	1	18.24	Medium	1	3.376280308	High	0.4763	Yes
NP_001779.3	989	148352331	Sep-07	septin-7 isoform 1 [Homo sapiens]	T426	1.23	1.19	ILEQQNSSRtLEK	1	3	2	1	2×TMT6plex [N-Term; K13]; 1×Phospho [T10(100)]	T10(Phospho): 100	S(7): 0.0; S(8): 0.0; T(10): 100.0	EQQNSSRtLEKNKKK	T10;	High	2084.115305					1	1	18.22	Medium	0.3889	3.050951004	High	0.0426	Yes
NP_060735.3	55765	340745328	C1orf106	uncharacterized protein C1orf106 isoform 1 [Homo sapiens]	S401	1.25	2.44	TsAPATPEIQGR	1	2	1	0	1×TMT6plex [N-Term]; 1×Phospho [S2(100)]	S2(Phospho): 99.99	T(1): 0.0; S(2): 100.0; T(6): 0.0	GQWQGRTsAPATPEI	S2;	High	1536.762054					1	1	18.19	Medium	0.3333	3.399348497	High	0.1559	No
NP_001234918.1	4253	350994423	CTAGE5	cTAGE family member 5 isoform 6 [Homo sapiens]	S640	1.02	1.55	FCSNSGRLsGPAELR	1	7	1	1	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C2]; 1×Phospho [S9(100)]	S9(Phospho): 100	S(3): 0.0; S(5): 0.0; S(9): 100.0	CSNSGRLsGPAELRS	S9;	High	1959.930927					1	1	18.18	Medium	0.8333	2.910493851	High	0.2715	No
NP_001163887.1	9414	282165810	TJP2	tight junction protein ZO-2 isoform 3 [Homo sapiens]	S205	0.95	0.42	SWEDsPERGRPHER	1	6	1	1	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; S(5): 100.0	RSRSWEDsPERGRPH	S5;	High	2046.934432					1	1	18.17	Medium	1	5.518890381	High	0.3533	No
NP_065128.2	57117	21361851	INTS12	integrator complex subunit 12 [Homo sapiens]	S128	1.25	1.32	LEKPETQSsPITVQSSK	1	1	1	0	3×TMT6plex [N-Term; K3; K17]; 1×Phospho [S9(100)]	S9(Phospho): 99.96	T(6): 0.0; S(8): 0.0; S(9): 100.0; T(12): 0.0; S(15): 0.0; S(16): 0.0	EKPETQSsPITVQSS	S9;	High	2626.430775					1	1	18.14	Medium	0.1667	2.920610189	High	0.0445	Yes
NP_996790.3	5562	94557299	PRKAA1	5'-AMP-activated protein kinase catalytic subunit alpha-1 isoform 2 [Homo sapiens]	T505	0.92	0.76	SIDDEITEAKSGTAtPQR	1	2	1	1	2×TMT6plex [N-Term; K10]; 2×Phospho [T15(100); T/S]	T7(Phospho): 49.45; S11(Phospho): 49.45; T15(Phospho): 100	S(1): 0.0; T(7): 49.5; S(11): 49.5; T(13): 1.1; T(15): 100.0	EAKSGTAtPQRSGSV	T15;	High	2537.193765					1	1	18.1	Medium	0.5	3.430108309	High	0.172	No
NP_055921.2	23132	168823443	RAD54L2	helicase ARIP4 [Homo sapiens]	T1260	1.17	0.89	KLAtPPAAQESSR	1	1	1	1	2×TMT6plex [N-Term; K]; 1×Phospho [T4(100)]	T4(Phospho): 100	T(4): 100.0; S(11): 0.0; S(12): 0.0	GHKRKLAtPPAAQES	T4;	High	1894.019949					1	1	18.1	Medium	0.6667	3.30612421	High	0.5438	Yes
NP_001273561.1	64062	557636651	RBM26	RNA-binding protein 26 isoform 2 [Homo sapiens]	S127	2	0.77	RLNHsPPQSSSR	1	3	1	1	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(9): 0.0; S(10): 0.0; S(11): 0.0	FSRRLNHsPPQSSSR	S5;	High	1674.827448					1	1	18.06	Medium	0.7222	3.585535049	High	0.2981	Yes
NP_001231827.1	9991	349732192	PTBP3	polypyrimidine tract-binding protein 3 isoform 6 [Homo sapiens]	S62	0.44	0.77	DRPPCsPSR	1	5	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C5]; 1×Phospho [S6(100)]	S6(Phospho): 98.85	S(6): 98.9; S(8): 1.2	KRDRPPCsPSRVLHL	S6;	High	1380.629266	7.56	11.07	4.7	12	2	2	18.06	Medium	0.5	3.011764526	High	0.0963	No
NP_001116293.1	6418	170763500	SET	protein SET isoform 1 [Homo sapiens]	S7	3.37	3.02	RQsPLPPQK	1	1	7	1	2×TMT6plex [N-Term; K9]; 1×Deamidated [Q8(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; Q8(Deamidated): 99.99	S(3): 100.0	_MAPKRQsPLPPQKK	S3;	High	1589.881665	0.58	3.02	4.4	20.7	5	5	18.05	Medium	0.4444	3.957951546	High	0.1515	Yes
NP_060685.2	55228	39780597	PNMAL1	PNMA-like protein 1 isoform a [Homo sapiens]	S335	1.05	0.81	AEAESPGGASEsDQDGGHESPPK	1	2	2	0	2×TMT6plex [N-Term; K23]; 1×Phospho [S12(98.1)]	S12(Phospho): 98.08	S(5): 0.0; S(10): 1.9; S(12): 98.1; S(20): 0.0	SPGGASEsDQDGGHE	S12;	High	2777.230347					1	1	18.05	Medium	0.1111	2.984325886	High	0.0403	Yes
NP_000192.2	3383	167466198	ICAM1	intercellular adhesion molecule 1 precursor [Homo sapiens]	T530	4.44	2.17	GTPMKPNTQAtPP	1	1	1	0	2×TMT6plex [N-Term; K5]; 1×Oxidation [M4(100)]; 1×Phospho [T11(100)]	M4(Oxidation): 100; T11(Phospho): 100	T(2): 0.0; T(8): 0.0; T(11): 100.0	MKPNTQAtPP_	T11;	High	1893.954572					1	1	18.03	Medium	1	2.961117744	High	0.2568	Yes
NP_060537.3	55700	78042577	MAP7D1	MAP7 domain-containing protein 1 isoform 1 [Homo sapiens]	S442	1.18	0.61	RQsLPASPR	1	3	1	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(7): 0.0	RSLKKRQsLPASPRA	S3;	High	1320.698666					1	1	18.01	Medium	1	3.216086864	High	0.3975	Yes
NP_001004304.1	283337	51972182	ZNF740	zinc finger protein 740 [Homo sapiens]	S44	1.4	1.2	AGsPDVLR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	ENGERAGsPDVLRCS	S3;	High	1123.571006	1.62	7.06	3.2	12	2	2	18.01	Medium	1	2.969976664	High	0.4579	Yes
NP_056069.2	23303	46852172	KIF13B	kinesin-like protein KIF13B [Homo sapiens]	S1381	0.68	0.57	SIsSPNVNR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; S(4): 0.0	KLSRRSIsSPNVNRL	S3;	High	1282.635397					1	1	18	Medium	0.2778	2.879709959	High	0.1389	Yes
NP_056969.2	51585	33620745	PCF11	pre-mRNA cleavage complex 2 protein Pcf11 [Homo sapiens]	S489; S494	1.88	0.58	SRsPIIHsPK	1	1	1	1	2×TMT6plex [N-Term; K10]; 2×Phospho [S3(100); S8(100)]	S3(Phospho): 100; S8(Phospho): 100	S(1): 0.0; S(3): 100.0; S(8): 100.0	SRSPKSRsPIIHSPK;SRSPIIHsPKRRDRR	S3; S8;	High	1739.901094					1	1	17.99	Medium	0.1667	4.367774487	High	0.6156	Yes;Yes
NP_006026.3	9578	115527097	CDC42BPB	serine/threonine-protein kinase MRCK beta [Homo sapiens]	T676	3.53	2.37	GAGAtLEHQQEISK	1	1	1	0	2×TMT6plex [N-Term; K14]; 1×Phospho [T5(100)]	T5(Phospho): 100	T(5): 100.0; S(13): 0.0	GGRGAGAtLEHQQEI	T5;	High	2007.031241					1	1	17.98	Medium	1	3.162390471	High	0.6203	Yes
NP_056393.2	26065	166197710	LSM14A	protein LSM14 homolog A isoform b [Homo sapiens]	S183	0.7	1.87	SsPQLDPLR	1	2	1	0	1×TMT6plex [N-Term]; 1×Phospho [S2(100)]	S2(Phospho): 100	S(1): 0.0; S(2): 100.0	QLSQGRSsPQLDPLR	S2;	High	1321.671448					1	1	17.98	Medium	0.0556	2.698045015	High	0.0815	Yes
NP_005564.1	4001	5031877	LMNB1	lamin-B1 isoform 1 [Homo sapiens]	S404	1.55	0.66	VTVSRAsSSR	1	2	3	1	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 99.98	T(2): 0.0; S(4): 0.0; S(7): 100.0; S(8): 0.0; S(9): 0.0	RVTVSRAsSSRSVRT	S7;	High	1358.69906	1.98	7.53	5.3	8.6	3	3	17.96	Medium	0.4444	3.181370497	High	0.0535	Yes
NP_005461.2	10006	61743942	ABI1	abl interactor 1 isoform a [Homo sapiens]	S231	3.17	3.76	TAsLNQRPR	1	12	1	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 98.69	T(1): 1.3; S(3): 98.7	HSPGRTAsLNQRPRT	S3;	High	1351.704479					1	1	17.96	Medium	0.5556	3.073779345	High	0.1889	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1694	1.06	0.41	SSRSsPELTR	1	1	1	1	1×TMT6plex [N-Term]; 1×Phospho [S5(99.9)]	S5(Phospho): 99.96	S(1): 0.0; S(2): 0.0; S(4): 0.0; S(5): 100.0; T(9): 0.0	RRRSSRSsPELTRKA	S5;	High	1428.704539					1	1	17.95	Medium	0.5	3.009861469	High	0.0963	Yes
NP_056079.1	23313	57863293	KIAA0930	uncharacterized protein KIAA0930 isoform a [Homo sapiens]	S272; S284	0.77	2.7	VSTGDTsPCGTEEDSSPAsPMHER	1	2	2	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C9]; 1×Oxidation [M21(100)]; 2×Phospho [S7(95.4); S19(100)]	S7(Phospho): 95.42; S19(Phospho): 100; M21(Oxidation): 100	S(2): 0.0; T(3): 0.0; T(6): 4.4; S(7): 95.4; T(11): 0.2; S(15): 0.0; S(16): 0.0; S(19): 100.0	RVSTGDTsPCGTEED;EEDSSPAsPMHERVT	S7; S19;	High	2939.131094					1	1	17.94	Medium	0.0556	3.090850353	High	0.0065	No;No
NP_001185730.1	8672	311771714	EIF4G3	eukaryotic translation initiation factor 4 gamma 3 isoform 1 [Homo sapiens]	S231	0.72	1.7	SPsPVLR	1	4	1	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0	DPVLKSPsPVLRLVL	S3;	High	1064.570277					1	1	17.94	Medium	0.4444	2.753117085	High	0.12	No
NP_065939.2	57648	112734870	KIAA1522	uncharacterized protein KIAA1522 isoform 1 [Homo sapiens]	S480	0.49	0.65	sSGQLSGR	1	2	1	0	1×TMT6plex [N-Term]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(2): 0.0; S(6): 0.0	SDTLSIRsSGQLSGR	S1;	High	1100.529869					1	1	17.93	Medium	0.2222	3.358162403	High	0.1458	No
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S454; S456	1.19	0.7	EIsSsPTSK	1	1	2	0	2×TMT6plex [N-Term; K9]; 2×Phospho [S3(99); S5(97.9)]	S3(Phospho): 98.95; S5(Phospho): 97.91	S(3): 99.0; S(4): 2.1; S(5): 97.9; T(7): 1.1; S(8): 0.0	PGSHREIsSSPTSKN;SHREISSsPTSKNRS	S3; S5;	High	1553.726543					1	1	17.92	Medium	0.5	3.770958662	High	0.0239	Yes;Yes
NP_001275582.1	1213	568815719	CLTC	clathrin heavy chain 1 isoform 2 [Homo sapiens]	T398	0.61	0.67	GILRtPDTIR	1	2	1	1	1×TMT6plex [N-Term]; 1×Phospho [T5(100)]	T5(Phospho): 100	T(5): 100.0; T(8): 0.0	APKGILRtPDTIRRF	T5;	High	1450.798045					1	1	17.92	Medium	0.6111	3.553668261	High	0.2423	No
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	T572; T574	1.11	0.77	RtPtPPPR	1	3	1	1	1×TMT6plex [N-Term]; 2×Phospho [T2(100); T4(100)]	T2(Phospho): 100; T4(Phospho): 100	T(2): 100.0; T(4): 100.0	PPPRRRRtPTPPPRR;PRRRRTPtPPPRRRT	T2; T4;	High	1310.622069					1	1	17.92	Medium	1	2.849595547	High	0.6456	Yes;Yes
NP_060082.2	55596	38044290	ZCCHC8	zinc finger CCHC domain-containing protein 8 [Homo sapiens]	S658	2.41	0.8	IHsPIPDMSK	1	1	1	0	2×TMT6plex [N-Term; K10]; 1×Oxidation [M8(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; M8(Oxidation): 100	S(3): 100.0; S(9): 0.0	STATKIHsPIPDMSK	S3;	High	1678.863966					1	1	17.91	Medium	1	3.393755674	High	0.5015	Yes
NP_058642.1	50848	8393638	F11R	junctional adhesion molecule A precursor [Homo sapiens]	S284	0.99	0.76	KVIYSQPsAR	1	1	1	1	2×TMT6plex [N-Term; K]; 1×Phospho [S8(100)]	S8(Phospho): 100	Y(4): 0.0; S(5): 0.0; S(8): 100.0	KVIYSQPsARSEGEF	S8;	High	1686.934428					1	1	17.85	Medium	0.5556	3.041115284	High	0.2697	Yes
NP_803193.2	8496	312032469	PPFIBP1	liprin-beta-1 isoform 2 [Homo sapiens]	S466	0.78	1.45	SSsLGNLK	1	4	1	0	2×TMT6plex [N-Term; K8]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(2): 0.0; S(3): 100.0	SSLQKSSsLGNLKKE	S3;	High	1343.733603					1	1	17.83	Medium	0.3333	3.307824135	High	0.145	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S177	1.42	0.6	EGAKDIDISsPEFK	1	1	2	1	3×TMT6plex [N-Term; K4; K14]; 1×Phospho [S10(98.8)]	S10(Phospho): 98.75	S(9): 1.3; S(10): 98.8	AKDIDISsPEFKIKI	S10;	High	2303.213906					1	1	17.83	Medium	0.3333	3.071500063	High	0.0326	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1893	0.96	0.72	SRTsPVSR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S4(98.2)]	S4(Phospho): 98.24	S(1): 0.0; T(3): 1.7; S(4): 98.2; S(7): 0.0	RRSRSRTsPVSRRRS	S4;	High	1198.614267					1	1	17.83	Medium	0.1111	3.02314949	High	0.0497	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_055792.1	22985	7662238	ACIN1	apoptotic chromatin condensation inducer in the nucleus isoform 1 [Homo sapiens]	S729	1.54	0.72	LQPERGsPK	1	3	3	1	2ｦTMT6plex [N-Term; K9]; 1ｦPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	RLQPERGsPKKCEAE	S7;	High	1549.850364	0.87	0.92	2.3	1.1	3	3	17.8	Medium	0.8333	3.926091909	High	0.4682	Yes
NP_002471.1	4659	4505317	PPP1R12A	protein phosphatase 1 regulatory subunit 12A isoform a [Homo sapiens]	S903	1.38	1.47	YETSSTSAGDRYDsLLGR	1	4	1	1	1ｦTMT6plex [N-Term]; 1ｦPhospho [S14(100)]	S14(Phospho): 100	Y(1): 0.0; T(3): 0.0; S(4): 0.0; S(5): 0.0; T(6): 0.0; S(7): 0.0; Y(12): 0.0; S(14): 100.0	SAGDRYDsLLGRSGS	S14;	High	2287.044101					1	1	17.79	Medium	0.9444	2.817330837	High	0.0993	Yes
NP_003267.1	7112	4507555	TMPO	thymopoietin isoform alpha [Homo sapiens]	S184	1.18	5.86	QNGSNDSDRYsDNEEGK	1	1	1	1	2ｦTMT6plex [N-Term; K17]; 1ｦPhospho [S11(100)]	S11(Phospho): 100	S(4): 0.0; S(7): 0.0; Y(10): 0.0; S(11): 100.0	SNDSDRYsDNEEGKK	S11;	High	2453.061826					1	1	17.78	Medium	0.5	3.879543304	High	0.0567	Yes
NP_005091.2	9590	21493022	AKAP12	A-kinase anchor protein 12 isoform 1 [Homo sapiens]	S1331	8.12	8.66	SPPsPVER	1	2	2	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; S(4): 100.0	SHAKSPPsPVEREMV	S4;	High	1177.58157	4.77	6.16	59.2	87.5	2	2	17.77	Medium	0.4444	2.597499132	High	0.2423	Yes
NP_005392.2	5784	34328899	PTPN14	tyrosine-protein phosphatase non-receptor type 14 [Homo sapiens]	S760	0.95	0.76	KSVsNGALR	1	1	2	1	2ｦTMT6plex [N-Term; K]; 1ｦDeamidated [N5(100)]; 1ｦPhospho [S]	S4(Phospho): 99.99; N5(Deamidated): 100	S(2): 0.0; S(4): 100.0	PGPRKSVsNGALRQD	S4;	High	1470.808166	6.19	23.16	8.3	25.3	2	2	17.76	Medium	0.6667	2.910945892	High	0.0962	Yes
NP_683759.1	55695	23199998	NSUN5	probable 28S rRNA (cytosine-C(5))-methyltransferase isoform 1 [Homo sapiens]	S444	1.62	0.49	ASAPERTPsPAPK	1	1	1	1	2ｦTMT6plex [N-Term; K13]; 1ｦPhospho [S9(100)]	S9(Phospho): 99.99	S(2): 0.0; T(7): 0.0; S(9): 100.0	SAPERTPsPAPKRKK	S9;	High	1846.982835					1	1	17.73	Medium	0.4444	3.178696871	High	0.1447	Yes
NP_001611.1	79026	61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1 [Homo sapiens]	S5110	1.49	1.77	FKAEAPLPsPK	1	1	2	1	3ｦTMT6plex [N-Term; K2; K11]; 1ｦPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	KAEAPLPsPKLEGEL	S9;	High	1952.122512	11.42	0.53	24.4	1.3	2	2	17.72	Medium	1	4.530987263	High	0.6821	Yes
NP_001124000.1	9043	194578923	SPAG9	C-Jun-amino-terminal kinase-interacting protein 4 isoform 1 [Homo sapiens]	T586	1.39	1.26	YNAPTSHVtPSVK	1	4	1	0	2ｦTMT6plex [N-Term; K13]; 1ｦPhospho [T9(100)]	T9(Phospho): 100	Y(1): 0.0; T(5): 0.0; S(6): 0.0; T(9): 100.0; S(11): 0.0	NAPTSHVtPSVKKRS	T9;	High	1939.00905					1	1	17.71	Medium	0.1667	4.84079504	High	0.1508	Yes
NP_004230.2	9321	190194412	TRIP11	thyroid receptor-interacting protein 11 [Homo sapiens]	S1891	0.21	10.19	LSVHDMKPLDsPGRR	1	1	1	1	2ｦTMT6plex [N-Term; K7]; 1ｦPhospho [S11(100)]	S11(Phospho): 100	S(2): 0.0; S(11): 100.0	HDMKPLDsPGRRKRD	S11;	High	2246.188093					1	1	17.67	Medium	1	6.699625015	High	0.6224	Yes
NP_663304.1	6885	21735562	MAP3K7	mitogen-activated protein kinase kinase kinase 7 isoform B [Homo sapiens]	S389	1.14	0.4	MsADMSEIEAR	1	4	1	0	1ｦTMT6plex [N-Term]; 2ｦOxidation [M1(100); M5(100)]; 1ｦPhospho [S2(100)]	M1(Oxidation): 100; S2(Phospho): 100; M5(Oxidation): 100	S(2): 100.0; S(6): 0.0	TSEGKRMsADMSEIE	S2;	High	1580.653491					1	1	17.66	Medium	0.8889	2.777534962	High	0.3597	Yes
NP_065939.2	57648	112734870	KIAA1522	uncharacterized protein KIAA1522 isoform 1 [Homo sapiens]	T221	1.51	1.52	RStVLGLPQHVQK	1	2	2	1	2ｦTMT6plex [N-Term; K13]; 1ｦPhospho [T3(99.1)]	T3(Phospho): 99.08	S(2): 0.9; T(3): 99.1	RRRERRStVLGLPQH	T3;	High	2001.141067					1	1	17.62	Medium	1	5.811655521	High	0.012	Yes
NP_003740.2	8660	38683860	IRS2	insulin receptor substrate 2 [Homo sapiens]	T350	1.28	0.61	SRTDSLAAtPPAAK	1	1	1	1	2ｦTMT6plex [N-Term; K14]; 1ｦPhospho [T9(100)]	T9(Phospho): 100	S(1): 0.0; T(3): 0.0; S(5): 0.0; T(9): 100.0	RTDSLAAtPPAAKCS	T9;	High	1924.030513					1	1	17.6	Medium	0.7222	5.256156445	High	0.4316	Yes
NP_077321.3	79269	110815800	DCAF10	DDB1- and CUL4-associated factor 10 isoform a [Homo sapiens]	S63	0.53	0.93	RPGAPSLsPAPR	1	1	1	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S8(100)]	S8(Phospho): 99.98	S(6): 0.0; S(8): 100.0	RPGAPSLsPAPRSGE	S8;	High	1514.804193					1	1	17.6	Medium	0.5	2.989339352	High	0.2308	Yes
NP_001181875.1	1981	302699245	EIF4G1	eukaryotic translation initiation factor 4 gamma 1 isoform 6 [Homo sapiens]	S1194	0.95	0.32	SFsKEVEER	1	7	1	1	2ｦTMT6plex [N-Term; K4]; 1ｦPhospho [S1(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0	PATKRSFsKEVEERS	S3;	High	1648.834774					1	1	17.6	Medium	0.8889	2.881875277	High	0.2049	No
NP_065939.2	57648	112734870	KIAA1522	uncharacterized protein KIAA1522 isoform 1 [Homo sapiens]	S1038	0.78	0.86	KPSVGVPPPAsPSYPR	1	2	2	0	2ｦTMT6plex [N-Term; K]; 1ｦPhospho [S11(98.4)]	S11(Phospho): 98.36	S(3): 0.0; S(11): 98.4; S(13): 1.6; Y(14): 0.0	VGVPPPAsPSYPRAE	S11;	High	2174.177512	30.49	53.36	34.6	72.6	2	2	17.57	Medium	0.2778	3.948194981	High	0.081	No
NP_937879.1	9826	38026934	ARHGEF11	rho guanine nucleotide exchange factor 11 isoform 2 [Homo sapiens]	S675	0.99	1.04	SRsDVDMDAAAEATR	1	2	2	1	1ｦTMT6plex [N-Term]; 1ｦOxidation [M7(100)]; 1ｦPhospho [S3(97.3)]	S3(Phospho): 97.34; M7(Oxidation): 100	S(1): 2.7; S(3): 97.3; T(14): 0.0	ENVPRSRsDVDMDAA	S3;	High	1919.836752					1	1	17.54	Medium	0.3889	2.976159573	High	0.0302	No
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S148; S150	1.03	0.69	VRLQsAsPSTR	1	1	2	1	1ｦTMT6plex [N-Term]; 2ｦPhospho [S5(100); S7(100)]	S5(Phospho): 100; S7(Phospho): 100	S(5): 100.0; S(7): 100.0; S(9): 0.0; T(10): 0.0	EIRVRLQsASPSTRW;RVRLQSAsPSTRWTE	S5; S7;	High	1590.760353	15.5	26.35	22.9	26	2	2	17.53	Medium	0.3333	4.347789764	High	0.269	Yes;Yes
NP_008841.2	5930	33620769	RBBP6	E3 ubiquitin-protein ligase RBBP6 isoform 1 [Homo sapiens]	S861	1.24	0.5	ENFsPERFLPLNIR	1	2	1	1	1ｦTMT6plex [N-Term]; 1ｦPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	SANRENFsPERFLPL	S4;	High	2041.046942					1	1	17.4	Medium	1	3.40741539	High	0.4809	Yes
NP_001010854.1	145567	60685231	TTC7B	tetratricopeptide repeat protein 7B [Homo sapiens]	S629; S630	0.59	0.6	SCYNLTNPSDSGRGssLLDR	1	1	2	1	1ｦTMT6plex [N-Term]; 1ｦCarbamidomethyl [C2]; 2ｦPhospho [S15(98.2); S16(100)]	S15(Phospho): 98.18; S16(Phospho): 100	S(1): 0.0; Y(3): 0.0; T(6): 0.0; S(9): 0.0; S(11): 1.8; S(15): 98.2; S(16): 100.0	PSDSGRGsSLLDRTI;SDSGRGSsLLDRTIA	S15; S16;	High	2588.105078					1	1	17.29	Medium	0.2941	3.290013552	High	0.0456	No;Yes
NP_059344.1	10458	9257197	BAIAP2	brain-specific angiogenesis inhibitor 1-associated protein 2 isoform 1 [Homo sapiens]	T340	0.56	0.54	LSDSYSNtLPVRK	1	4	2	1	2ｦTMT6plex [N-Term; K13]; 1ｦPhospho [T8(100)]	T8(Phospho): 100	S(2): 0.0; S(4): 0.0; Y(5): 0.0; S(6): 0.0; T(8): 100.0	LSDSYSNtLPVRKSV	T8;	High	2018.072378	10.05	28.91	7.9	22.3	2	2	17.28	Medium	0.5294	3.274303198	High	0.1223	Yes
NP_665906.1	3159	22208967	HMGA1	high mobility group protein HMG-I/HMG-Y isoform a [Homo sapiens]	S9	0.92	4.95	SsQPLASK	1	2	1	0	2ｦTMT6plex [N-Term; K8]; 1ｦPhospho [S2(99.4)]	S2(Phospho): 99.37	S(1): 0.6; S(2): 99.4; S(7): 0.0	SESSSKSsQPLASKQ	S2;	High	1355.733603					1	1	17.26	Medium	0.1176	2.725662231	High	0.1245	Yes
NP_203748.1	85463	148886668	ZC3H12C	probable ribonuclease ZC3H12C [Homo sapiens]	S491	2.34	1.64	RQsDPSIR	1	2	1	1	1ｦTMT6plex [N-Term]; 1ｦPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0	RGAPKRQsDPSIRTQ	S3;	High	1267.635731					1	1	17.25	Medium	0.6471	3.014725208	High	0.3953	No
NP_055204.3	27043	503774453	PELP1	proline-, glutamic acid- and leucine-rich protein 1 isoform 1 [Homo sapiens]	S531	0.95	1.77	GsPDGSLQTGKPSAPK	1	2	3	0	3ｦTMT6plex [N-Term; K11; K16]; 1ｦPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; S(6): 0.0; T(9): 0.0; S(13): 0.0	KLRSPRGsPDGSLQT	S2;	High	2294.236038	10.9	3.83	18	11.8	3	3	17.24	Medium	0.3529	4.559283733	High	0.2281	No
NP_004629.3	7916	314122241	PRRC2A	protein PRRC2A [Homo sapiens]	T782	1.29	0.9	ERGtPPVDPK	1	1	2	1	2ｦTMT6plex [N-Term; K10]; 1ｦPhospho [T4(100)]	T4(Phospho): 100	T(4): 100.0	AMLRERGtPPVDPKL	T4;	High	1633.871494	2.4	3.37	4.4	4.3	2	2	17.24	Medium	0.8235	4.397426605	High	0.6068	No
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S925	0.51	0.54	SsPVPPVPER	1	1	3	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S2(100)]	S2(Phospho): 99.99	S(1): 0.0; S(2): 100.0	PVPERRSsPVPPVPE	S2;	High	1373.702748	12.88	19.43	9.2	15	2	2	17.21	Medium	0.1176	3.034550428	High	0.0396	Yes
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S315	1.64	1.94	TIAPQNAPRDEsR	1	4	1	1	1ｦTMT6plex [N-Term]; 1ｦPhospho [S12(100)]	S12(Phospho): 100	T(1): 0.0; S(12): 100.0	QNAPRDEsRGRSSFY	S12;	High	1763.863893					1	1	17.2	Medium	1	3.579872608	High	0.5838	Yes
NP_056390.2	26058	42476299	GIGYF2	PERQ amino acid-rich with GYF domain-containing protein 2 isoform b [Homo sapiens]	S160	2.78	1.36	SQsWEERGDR	1	3	2	1	1ｦTMT6plex [N-Term]; 1ｦPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0	REMHRSQsWEERGDR	S3;	High	1558.684866	3.47	0.75	13.7	1.4	2	2	17.2	Medium	0.7059	3.268466234	High	0.1468	Yes
NP_059344.1	10458	9257197	BAIAP2	brain-specific angiogenesis inhibitor 1-associated protein 2 isoform 1 [Homo sapiens]	S366	0.66	0.38	SSsMAAGLER	1	4	4	0	1ｦTMT6plex [N-Term]; 1ｦOxidation [M4(100)]; 1ｦPhospho [S3(100)]	S3(Phospho): 99.98; M4(Oxidation): 100	S(1): 0.0; S(2): 0.0; S(3): 100.0	KTLPRSSsMAAGLER	S3;	High	1333.602048	16.07	16.94	15.1	9.2	2	2	17.2	Medium	0.5294	3.073319912	High	0.0228	Yes
NP_115517.1	84081	14149807	NSRP1	nuclear speckle splicing regulatory protein 1 isoform 1 [Homo sapiens]	S291	0.88	0.59	SQNHSRsPSEER	1	2	1	1	1ｦTMT6plex [N-Term]; 1ｦDeamidated [Q2(98.4)]; 1ｦPhospho [S7(98.4)]	Q2(Deamidated): 98.42; S7(Phospho): 98.39	S(1): 0.0; S(5): 0.0; S(7): 98.4; S(9): 1.6	RSQNHSRsPSEERGH	S7;	High	1723.759822					1	1	17.19	Medium	0.1765	2.86644125	High	0.0453	Yes
NP_067062.1	58517	55741709	RBM25	RNA-binding protein 25 [Homo sapiens]	S677	1.71	0.51	LGASNsPGQPNSVKR	1	1	4	1	2ｦTMT6plex [N-Term; K14]; 1ｦDeamidated [N11(100)]; 1ｦPhospho [S6(98.5)]	S6(Phospho): 98.49; N11(Deamidated): 100	S(4): 1.5; S(6): 98.5; S(12): 0.0	LKLGASNsPGQPNSV	S6;	High	2051.06869	3.04	34.72	10.4	36.2	4	4	17.18	Medium	0.1176	3.605088949	High	0.0554	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1601	0.58	0.94	SGSsPEVK	1	1	2	0	2ｦTMT6plex [N-Term; K8]; 1ｦPhospho [S4(100)]	S4(Phospho): 100	S(1): 0.0; S(3): 0.0; S(4): 100.0	RRSRSGSsPEVKDKP	S4;	High	1328.686319	2.56	7.83	2.1	10.4	2	2	17.17	Medium	0.4706	3.212634802	High	0.0592	Yes
NP_705902.2	80025	85838513	PANK2	pantothenate kinase 2, mitochondrial isoform 1 preproprotein [Homo sapiens]	S189	1.6	1.22	DRLGsYSGPTSVSR	1	1	1	1	1ｦTMT6plex [N-Term]; 1ｦPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; Y(6): 0.0; S(7): 0.0; T(10): 0.0; S(11): 0.0; S(13): 0.0	TRRDRLGsYSGPTSV	S5;	High	1790.863558					1	1	17.16	Medium	0.8824	3.704913616	High	0.0811	Yes
NP_006603.2	10749	40254834	KIF1C	kinesin-like protein KIF1C [Homo sapiens]	S1092	0.95	1.49	QRsAPDLK	1	1	1	1	2ｦTMT6plex [N-Term; K8]; 1ｦPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	PRMRRQRsAPDLKES	S3;	High	1452.7976					1	1	17.16	Medium	0.6471	3.473073483	High	0.4986	Yes
NP_001180197.1	24139	300795584	EML2	echinoderm microtubule-associated protein-like 2 isoform 1 [Homo sapiens]	S179	1.14	1.55	RYLsPER	1	2	1	1	1ｦTMT6plex [N-Term]; 1ｦPhospho [S4(100)]	S4(Phospho): 100	Y(2): 0.0; S(4): 100.0	SSVRRYLsPERLASV	S4;	High	1229.624104					1	1	17.15	Medium	0.7647	3.209590435	High	0.1558	Yes
NP_003362.2	7410	40549448	VAV2	guanine nucleotide exchange factor VAV2 isoform 2 [Homo sapiens]	S771	0.83	0.84	ASSRsPVFTPR	1	1	2	1	1ｦTMT6plex [N-Term]; 1ｦPhospho [S5(100)]	S5(Phospho): 100	S(2): 0.0; S(3): 0.0; S(5): 100.0; T(9): 0.0	ASRASSRsPVFTPRV	S5;	High	1513.772559	15.31	3.06	18.2	3.6	2	2	17.14	Medium	0.5294	3.563311338	High	0.1798	Yes
NP_001001.2	6194	17158044	RPS6	40S ribosomal protein S6 [Homo sapiens]	S240	0.85	1.55	LSSLRAsTSK	1	1	3	1	2ｦTMT6plex [N-Term; K10]; 2ｦPhospho [S3(100); S7(100)]	S2(Phospho): 50; S3(Phospho): 50; S7(Phospho): 96.1	S(2): 50.0; S(3): 50.0; S(7): 96.1; T(8): 2.0; S(9): 2.0	RLSSLRAsTSKSESS	S7;	High	1667.853475	3.57	6.72	5.3	18.2	3	3	17.12	Medium	0.1765	2.823943615	High	0.2695	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S778; S780	1.57	1.48	RsLsGSSPCPK	1	1	1	1	2ｦTMT6plex [N-Term; K11]; 1ｦCarbamidomethyl [C9]; 3ｦPhospho [S2(100); S4(100); S]	S2(Phospho): 99.98; S4(Phospho): 100; S6(Phospho): 50.01; S7(Phospho): 50.01	S(2): 100.0; S(4): 100.0; S(6): 50.0; S(7): 50.0	SRLSLRRsLSGSSPC;LSLRRSLsGSSPCPK	S2; S4;	High	1873.808589					1	1	17.11	Medium	0.1176	3.471934319	High	0.2219	Yes;Yes
NP_004629.3	7916	314122241	PRRC2A	protein PRRC2A [Homo sapiens]	S1014	1.15	0.88	RDYsYER	1	1	1	1	1ｦTMT6plex [N-Term]; 1ｦPhospho [S4(100)]	S4(Phospho): 100	Y(3): 0.0; S(4): 100.0; Y(5): 0.0	PRLRRDYsYERVGPT	S4;	High	1297.577547					1	1	17.07	Medium	1	3.479880333	High	0.0661	No
NP_003740.2	8660	38683860	IRS2	insulin receptor substrate 2 [Homo sapiens]	S1100	1.25	1.36	VAsPTSGVK	1	1	1	0	2ｦTMT6plex [N-Term; K9]; 1ｦPhospho [S3(98.2)]	S3(Phospho): 98.21	S(3): 98.2; T(5): 0.9; S(6): 0.9	PEAARVAsPTSGVKR	S3;	High	1383.764903					1	1	17.03	Medium	0.1176	2.975723267	High	0.1678	Yes
NP_001006934.1	85012	55749431	TCEAL3	transcription elongation factor A protein-like 3 [Homo sapiens]	S121	1.61	0.75	GTDDsPKDSQEDLQER	1	3	1	1	2ｦTMT6plex [N-Term; K7]; 1ｦDeamidated [Q14(100)]; 1ｦPhospho [S5(100)]	S5(Phospho): 100; Q14(Deamidated): 100	T(2): 0.0; S(5): 100.0; S(9): 0.0	TDRGTDDsPKDSQED	S5;	High	2359.070265					1	1	17	Medium	0.2353	2.856023788	High	0.1294	Yes
NP_079100.2	79882	40804742	ZC3H14	zinc finger CCCH domain-containing protein 14 isoform 1 [Homo sapiens]	S515	1.44	0.95	DLVQPDKPAsPK	1	3	1	0	3ｦTMT6plex [N-Term; K7; K12]; 1ｦPhospho [S10(100)]	S10(Phospho): 100	S(10): 100.0	VQPDKPAsPKFIVTL	S10;	High	2062.155269					1	1	16.93	Medium	0.8824	3.495905638	High	0.5486	Yes
NP_001135452.1	7158	213972636	TP53BP1	tumor suppressor p53-binding protein 1 isoform 1 [Homo sapiens]	S270	1.61	0.64	SEDMPFsPK	1	3	1	0	2ｦTMT6plex [N-Term; K9]; 1ｦOxidation [M4(100)]; 1ｦPhospho [S7(100)]	M4(Oxidation): 100; S7(Phospho): 100	S(1): 0.0; S(7): 100.0	RSEDMPFsPKASVAA	S7;	High	1591.747933					1	1	16.93	Medium	1	3.461279631	High	0.5231	No
NP_001248357.1	23175	387528013	LPIN1	phosphatidate phosphatase LPIN1 isoform 3 [Homo sapiens]	S379	0.9	1.37	ESsPLSSR	1	4	1	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S3(99.4)]	S3(Phospho): 99.36	S(2): 0.6; S(3): 99.4; S(6): 0.0; S(7): 0.0	PHKMKESsPLSSRKI	S3;	High	1171.555749					1	1	16.91	Medium	0.4706	3.042943001	High	0.1414	No
NP_060087.3	4851	148833508	NOTCH1	neurogenic locus notch homolog protein 1 preproprotein [Homo sapiens]	T1861	0.1	2.08	MSAMAPtPPQGEVDADCMDVNVR	1	1	1	0	1ｦTMT6plex [N-Term]; 1ｦCarbamidomethyl [C17]; 3ｦOxidation [M1(100); M4(100); M18(100)]; 1ｦPhospho [T7(100)]	M1(Oxidation): 100; M4(Oxidation): 100; T7(Phospho): 100; M18(Oxidation): 100	S(2): 0.0; T(7): 100.0	RMSAMAPtPPQGEVD	T7;	High	2848.186034					1	1	16.89	Medium	0.4118	3.258119583	High	0.3528	No
NP_055816.2	23013	14790190	SPEN	msx2-interacting protein [Homo sapiens]	S736; S740	0.68	1.05	RPQsPGAsPSQAER	1	1	1	0	1ｦTMT6plex [N-Term]; 2ｦPhospho [S4(100); S8(100)]	S4(Phospho): 100; S8(Phospho): 100	S(4): 100.0; S(8): 100.0; S(10): 0.0	VHLRRPQsPGASPSQ;RPQSPGAsPSQAERL	S4; S8;	High	1856.825473					1	1	16.85	Medium	0.3529	3.764576912	High	0.4601	Yes;Yes
NP_001032242.1	221937	82546824	FOXK1	forkhead box protein K1 [Homo sapiens]	S416; S420; S42	0.81	0.71	sAPAsPTHPGLMsPR	1	1	1	0	1ｦTMT6plex [N-Term]; 1ｦOxidation [M12(100)]; 3ｦPhospho [S1(100); S5(99.9); S13(100)]	S1(Phospho): 100; S5(Phospho): 99.87; M12(Oxidation): 100; S13(Phospho): 100	S(1): 100.0; S(5): 99.9; T(7): 0.1; S(13): 100.0	FGPLSSRsAPASPTH;SSRSAPAsPTHPGLM;PTHPGLMsPRSGGLQ	S1; S5; S13;	High	1990.809762					1	1	16.84	Medium	0.1765	3.89595437	High	0.2718	Yes;Yes;Yes
NP_065816.2	23352	82659109	UBR4	E3 ubiquitin-protein ligase UBR4 [Homo sapiens]	S1760	1.97	0.67	HAsTSSPADKAK	1	1	6	1	3ｦTMT6plex [N-Term; K10; K12]; 1ｦPhospho [S3(99)]	S3(Phospho): 99.02	S(3): 99.0; T(4): 1.0; S(5): 0.0; S(6): 0.0	ESLVRHAsTSSPADK	S3;	High	1967.056617	1.64	5.5	4.6	5.2	2	2	16.83	Medium	0.2941	4.528098583	High	0.0706	Yes
NP_003964.3	9045	78000181	RPL14	60S ribosomal protein L14 [Homo sapiens]	S139	1.58	0.65	AALLKAsPK	1	1	1	1	3ｦTMT6plex [N-Term; K5; K9]; 1ｦPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	KAALLKAsPKKAPGT	S7;	High	1666.027155					1	1	16.83	Medium	1	2.673371553	High	0.6292	Yes
NP_056418.1	26093	7661690	CCDC9	coiled-coil domain-containing protein 9 [Homo sapiens]	T95	1.95	1.87	GGRtPPQQGGR	1	1	1	1	1ｦTMT6plex [N-Term]; 1ｦPhospho [T4(100)]	T4(Phospho): 100	T(4): 100.0	GASKGGRtPPQQGGR	T4;	High	1419.705542					1	1	16.8	Medium	1	3.85542798	High	0.5544	Yes
NP_689982.3	255057	393794759	C19orf26	protein Dos [Homo sapiens]	S414	1.42	1.17	ERsPGPVDTR	1	1	1	1	1ｦTMT6plex [N-Term]; 1ｦPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(9): 0.0	PRRPRERsPGPVDTR	S3;	High	1422.693974					1	1	16.8	Medium	0.1176	3.751283646	High	0.2267	No
NP_001265319.1	81539	508083059	SLC38A1	sodium-coupled neutral amino acid transporter 1 isoform 2 [Homo sapiens]	S52	1.45	1.38	sLTNSHLEK	1	2	1	0	2ｦTMT6plex [N-Term; K9]; 1ｦDeamidated [N4(100)]; 1ｦPhospho [S1(98)]	S1(Phospho): 100; N4(Deamidated): 100	S(1): 100.0; T(3): 0.0; S(5): 0.0	SDRESRRsLTNSHLE	S1;	High	1567.81331					1	1	16.8	Medium	0.9412	3.07367754	High	0.0912	Yes
NP_001934.2	1829	116534898	DSG2	desmoglein-2 preproprotein [Homo sapiens]	S703	0.37	0.88	GSSSAsIVK	1	1	1	0	2ｦTMT6plex [N-Term; K9]; 1ｦPhospho [S6(100)]	S6(Phospho): 100	S(2): 0.0; S(3): 0.0; S(4): 0.0; S(6): 100.0	MKGSSSAsIVKGQHE	S6;	High	1373.744168					1	1	16.75	Medium	0.5294	2.888907671	High	0.1246	Yes
NP_694997.2	256364	110227615	EML3	echinoderm microtubule-associated protein-like 3 isoform 3 [Homo sapiens]	S156	2.56	4.94	RNsSSSSPSERPR	1	3	1	1	1ｦTMT6plex [N-Term]; 1ｦPhospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; S(4): 0.0; S(5): 0.0; S(6): 0.0; S(7): 0.0; S(8): 0.0; S(10): 0.0	ADTPRRNsSSSSSPS	S3;	High	1842.865684					1	1	16.74	Medium	0.1765	4.517498493	High	0.0774	Yes
NP_055885.3	23091	116008442	ZC3H13	zinc finger CCCH domain-containing protein 13 [Homo sapiens]	S198	1.56	1.1	KEVsPEVVR	1	1	2	1	2ｦTMT6plex [N-Term; K]; 1ｦPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	IIIKKEVsPEVVRSK	S4;	High	1580.88133	5.66	5.19	12.5	8.1	2	2	16.74	Medium	1	3.487659216	High	0.5043	Yes
NP_115812.1	283489	41281612	CHAMP1	chromosome alignment-maintaining phosphoprotein 1 [Homo sapiens]	S507	1.09	1.44	KPGPSGPSEsPK	1	1	1	0	3ｦTMT6plex [N-Term; K12; K]; 1ｦPhospho [S10(98.9)]	S10(Phospho): 98.92	S(5): 0.0; S(8): 1.1; S(10): 98.9	GPSGPSEsPKAASDI	S10;	High	1935.055555					1	1	16.74	Medium	1	3.088681936	High	0.055	Yes
NP_001979.2	2125	156104874	EVPL	envoplakin [Homo sapiens]	S2025	0.43	0.49	SAsPTVPR	1	1	1	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; T(5): 0.0	YRCYRSAsPTVPRSL	S3;	High	1123.571006					1	1	16.68	Medium	0.3529	2.745126724	High	0.1309	Yes
NP_003679.2	8573	186972120	CASK	peripheral plasma membrane protein CASK isoform 1 [Homo sapiens]	S582	0.54	1.15	TQSSSCERDsPSTSR	1	1	1	1	1ｦTMT6plex [N-Term]; 1ｦCarbamidomethyl [C6]; 1ｦDeamidated [Q2(100)]; 1ｦPhospho [S10(100)]	Q2(Deamidated): 100; S10(Phospho): 99.97	T(1): 0.0; S(3): 0.0; S(4): 0.0; S(5): 0.0; S(10): 100.0; S(12): 0.0; T(13): 0.0; S(14): 0.0	SSSCERDsPSTSRQS	S10;	High	1994.832395					1	1	16.66	Medium	0.3529	2.900163889	High	0.0483	Yes
NP_066298.1	8968	10440560	HIST1H3F	histone H3.1 [Homo sapiens]	S58	0.41	0.48	sTELLIR	1	5	1	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(2): 0.0	EIRRYQKsTELLIRK	S1;	High	1140.622707					1	1	16.64	Medium	0.5294	2.754519463	High	0.2218	No
NP_001015053.1	10014	62750349	HDAC5	histone deacetylase 5 isoform 3 [Homo sapiens]	S662	4.55	0.83	TQsSPAAPGGMK	1	2	2	0	2ｦTMT6plex [N-Term; K12]; 1ｦOxidation [M11(100)]; 1ｦPhospho [S3(98.9)]	S3(Phospho): 98.92; M11(Oxidation): 100	T(1): 0.0; S(3): 98.9; S(4): 1.1	QALGRTQsSPAAPGG	S3;	High	1685.833394					1	1	16.61	Medium	0.1176	3.457018852	High	0.0318	No

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_001931.2	1822	55750041	ATN1	atrophin-1 [Homo sapiens]	S645	1.24	1.13	RAPsPGAYK	1	1	1	1	2×TMT6plex [N-Term; K9]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; Y(8): 0.0	PYGKRAPsPGAYKTA	S4;	High	1484.802686					1	1	16.6	Medium	1	3.193677425	High	0.5016	Yes
NP_005091.2	9590	21493022	AKAP12	A-kinase anchor protein 12 isoform 1 [Homo sapiens]	S612	45.22	71.13	EGVTPWAsFKK	1	2	1	1	3×TMT6plex [N-Term; K10; K11]; 1×Phospho [S8(100)]	S8(Phospho): 100	T(4): 0.0; S(8): 100.0	EGVTPWAsFKKMVTP	S8;	High	2017.112676					1	1	16.51	Medium	0.9412	3.262021065	High	0.4018	Yes
NP_116253.2	84950	24762236	PRPF38A	pre-mRNA-splicing factor 38A [Homo sapiens]	S209	0.53	1.35	VPsPDHR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	EKLERVPsPDHRRRS	S3;	High	1116.54004					1	1	16.42	Medium	0.5625	2.619324446	High	0.3511	Yes
NP_005372.2	4691	55956788	NCL	nucleolin [Homo sapiens]	S67	1.48	1.15	KVVVsPTK	1	1	1	1	3×TMT6plex [N-Term; K8; K]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; T(7): 0.0	SAKKVVVsPTKKVAV	S5;	High	1625.000606					1	1	16.35	Medium	0.75	3.311730623	High	0.0574	Yes
NP_065783.3	57492	297207099	ARID1B	AT-rich interactive domain-containing protein 1B isoform 2 [Homo sapiens]	S502	2.26	0.58	SHPAMsPGTPGPTMGR	1	2	1	0	1×TMT6plex [N-Term]; 2×Oxidation [M5(100); M14(100)]; 1×Phospho [S6(100)]	M5(Oxidation): 100; S6(Phospho): 100; M14(Oxidation): 100	S(1): 0.0; S(6): 100.0; T(9): 0.0; T(13): 0.0	QRSHPAMsPGTPGPT	S6;	High	1921.8499					1	1	16.34	Medium	0.375	2.991892338	High	0.2241	Yes
NP_003007.2	6427	47271443	SRSF2	serine/arginine-rich splicing factor 2 [Homo sapiens]	S191	1.14	1.19	SRsPPPVSK	1	1	1	1	2×TMT6plex [N-Term; K9]; 1×Phospho [S3(99.2)]	S3(Phospho): 99.2	S(1): 0.8; S(3): 99.2; S(8): 0.0	RSRSRSRsPPPVSKR	S3;	High	1492.828901					1	1	16.32	Medium	0.0625	3.477988243	High	0.1034	Yes
NP_003861.1	8826	4506787	IQGAP1	ras GTPase-activating-like protein IQGAP1 [Homo sapiens]	S330	0.47	1.09	ALQsPALGLR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	ALFRALQsPALGLRG	S4;	High	1334.739468					1	1	16.31	Medium	1	2.761399984	High	0.7065	Yes
NP_066576.1	8897	10835109	MTMR3	myotubularin-related protein 3 isoform c [Homo sapiens]	S633	0.53	1.43	RCsDPSLNEK	1	3	1	1	2×TMT6plex [N-Term; K10]; 1×Carbamidomethyl [C2]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0	PLASRRCsDPSLNEK	S3;	High	1743.850106					1	1	16.3	Medium	1	3.317114115	High	0.3795	Yes
NP_001138230.1	23187	221219024	PHLDB1	pleckstrin homology-like domain family B member 1 isoform a [Homo sapiens]	S443	1.21	0.9	TLQPPEsPR	1	2	2	0	1×TMT6plex [N-Term]; 1×Deamidated [Q3(100)]; 1×Phospho [S7(100)]	Q3(Deamidated): 100; S7(Phospho): 100	T(1): 0.0; S(7): 100.0	RTLQPPEsPRLGRRG	S7;	High	1334.655464	2.21	7.39	3.8	9.4	2	2	16.3	Medium	1	2.61708498	High	0.5687	Yes
NP_110410.1	81490	13540555	PTDSS2	phosphatidylserine synthase 2 [Homo sapiens]	S16	1.67	1.41	DAGGPRPEsPVPAGR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	AGGPRPEsPVPAGRA	S9;	High	1771.868978	0.81	0.43	1.9	0.9	2	2	16.29	Medium	1	4.480363369	High	0.5938	Yes
NP_003592.3	8467	325651836	SMARCA5	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 5 [Homo sapiens]	S116	1.02	1.38	TPTsPLK	1	1	1	0	2×TMT6plex [N-Term; K7]; 1×Phospho [S4(100)]	S4(Phospho): 99.05	T(1): 0.0; T(3): 1.0; S(4): 99.1	AAQKTPTsPLKMKPG	S4;	High	1281.721976					1	1	16.28	Medium	0.4375	2.726872683	High	0.0769	Yes
NP_001107018.1	51474	165905589	LIMA1	LIM domain and actin-binding protein 1 isoform 1 [Homo sapiens]	S610	1.01	0.91	TVsPPIR	1	4	1	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0	VKSPKTVsPPIRKGW	S3;	High	1078.585927					1	1	16.26	Medium	0.4375	2.623524427	High	0.1336	No
NP_001273542.1	64780	557636673	MICAL1	protein-methionine sulfoxide oxidase MICAL1 isoform 3 [Homo sapiens]	S829	1.42	0.32	LSsPERQR	1	3	1	1	1×TMT6plex [N-Term]; 1×Phospho [S]	S3(Phospho): 100	S(2): 0.0; S(3): 100.0	RRQIRLSsPERQRLS	S3;	High	1281.651381					1	1	16.23	Medium	0.4375	3.119072437	High	0.0609	No
NP_001263993.1	56947	457866842	MFF	mitochondrial fission factor isoform d [Homo sapiens]	S146	1.74	1.18	NDsLPVLR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	GQLVRNDsLPVLRGG	S3;	High	1222.639419					1	1	16.19	Medium	1	2.877989769	High	0.5451	Yes
NP_060628.2	22950	155722990	SLC4A1AP	kanadaptin [Homo sapiens]	S82	0.99	1.85	KPALPVsPAAR	1	1	1	0	2×TMT6plex [N-Term; K]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	KKPALPVsPAARSKA	S7;	High	1644.960249					1	1	16.08	Medium	0.375	3.368858099	High	0.6142	Yes
NP_055987.2	23215	115298682	PRRC2C	protein PRRC2C [Homo sapiens]	T2682	1.25	1.13	STtPTSSPFR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [T3(100)]	T3(Phospho): 99.95	S(1): 0.0; T(2): 0.0; T(3): 100.0; T(5): 0.0; S(6): 0.0; S(7): 0.0	PIAGRSTtPTSSPFR	T3;	High	1389.661277					1	1	16.07	Medium	0.0625	2.835132599	High	0.0106	Yes
NP_000923.1	5331	11386139	PLCB3	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3 isoform 1 [Homo sapiens]	S1105	3.07	2.23	RHNsISEAK	1	2	1	1	2×TMT6plex [N-Term; K9]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(6): 0.0	LDRKRHNsISEAKMR	S4;	High	1579.835777					1	1	16.04	Medium	0.625	2.980536222	High	0.2148	Yes
NP_055885.3	23091	116008442	ZC3H13	zinc finger CCCH domain-containing protein 13 [Homo sapiens]	S318; S325	0.84	0.42	STsPAGQHHsPISSR	1	1	1	0	1×TMT6plex [N-Term]; 2×Phospho [S3(98.5); S10(100)]	S3(Phospho): 98.54; S10(Phospho): 100	S(1): 0.0; T(2): 1.4; S(3): 98.5; S(10): 100.0; S(13): 0.0; S(14): 0.0	RDKPRSTsPAGQHHS;SPAGQHHsPISSRHH	S3; S10;	High	1937.846936					1	1	16.02	Medium	0.0625	4.573359966	High	0.1707	Yes;Yes
NP_001003800.1	23299	51479166	BICD2	protein bicaudal D homolog 2 isoform 1 [Homo sapiens]	S582	0.59	1.9	sPILLPK	1	2	1	0	2×TMT6plex [N-Term; K7]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0	PEARGRRsPILLPKG	S1;	High	1305.794747					1	1	16.02	Medium	0.8125	2.72420764	High	0.5294	Yes
NP_055847.1	23047	7657269	PDS5B	sister chromatid cohesion protein PDS5 homolog B [Homo sapiens]	S1161; S1166	0.69	1.75	METVSNASSsSNPSsPGR	1	1	1	0	1×TMT6plex [N-Term]; 1×Oxidation [M1(100)]; 2×Phospho [S10(88); S15(95.6)]	M1(Oxidation): 100; S10(Phospho): 88.01; S15(Phospho): 95.64	T(3): 0.0; S(5): 0.0; S(8): 4.0; S(9): 4.0; S(10): 88.0; S(11): 4.0; S(14): 4.4; S(15): 95.6	TVSNASSsSNPSSPG;SSSSNPSsPGRIKGR	S10; S15;	High	2199.882789					1	1	16.01	Medium	0.125	2.859685421	High	0.0315	Yes;Yes
NP_065842.1	57551	45439370	TAOK1	serine/threonine-protein kinase TAO1 isoform 1 [Homo sapiens]	S965	0.81	1.66	NsPQALR	1	2	1	0	1×TMT6plex [N-Term]; 1×Phospho [S2(100)]	S2(Phospho): 100	S(2): 100.0	SSMGVRNsPQALRRT	S2;	High	1094.55569					1	1	16.01	Medium	1	2.713754654	High	0.369	Yes
NP_112179.2	81608	40254978	FIP1L1	pre-mRNA 3'-end-processing factor FIP1 isoform 1 [Homo sapiens]	S492; T494	0.87	0.87	ERDHsPtPSVFNSDEER	1	3	1	1	1×TMT6plex [N-Term]; 2×Phospho [S5(100); T7(100)]	S5(Phospho): 100; T7(Phospho): 99.96	S(5): 100.0; T(7): 100.0; S(9): 0.0; S(13): 0.0	RERERDHsPTPSVFN;RERDHSPtPSVFNSD	S5; T7;	High	2390.98528					1	1	15.99	Medium	0.0625	4.313949108	High	0.2459	Yes;Yes
NP_001952.1	1938	4503483	EEF2	elongation factor 2 [Homo sapiens]	T57	0.31	0.5	AGETRFtDTR	1	1	1	1	1×TMT6plex [N-Term]; 1×Phospho [T7(99.2)]	T7(Phospho): 99.21	T(4): 0.8; T(7): 99.2; T(9): 0.0	RAGETRFtDTRKDEQ	T7;	High	1462.688889					1	1	15.99	Medium	0.125	2.937800169	High	0.1463	Yes
NP_055490.4	9696	612407805	CROCC	rootletin [Homo sapiens]	T492; S494	0.42	0.6	GLSGQRtPsPPR	1	1	1	1	1×TMT6plex [N-Term]; 2×Phospho [T7(99.9); S9(100)]	T7(Phospho): 99.88; S9(Phospho): 99.88	S(3): 0.2; T(7): 99.9; S(9): 99.9	RGLSGQRtPSPPRRS;LSGQRTPsPPRRSSP	T7; S9;	High	1641.771253					1	1	15.94	Medium	0.375	2.886264086	High	0.3287	Yes;Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	T1472	0.75	1.35	DIPRtPSR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [T5(100)]	T5(Phospho): 99.99	T(5): 100.0; S(7): 0.0	GMKDIPRtPSRGRSE	T5;	High	1250.645567	2	3.07	2.1	5.9	2	2	15.85	Medium	0.0625	2.916988134	High	0.1678	Yes
NP_733821.1	4000	27436946	LMNA	lamin isoform A [Homo sapiens]	S66	1.04	0.54	ITEsEEVVSR	1	4	1	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 100	T(2): 0.0; S(4): 100.0; S(9): 0.0	LRLRITEsEEVVSRE	S4;	High	1457.708621					1	1	15.79	Medium	0.5625	3.214791059	High	0.1745	Yes
NP_075559.2	65244	148746220	SPATS2	spermatogenesis-associated serine-rich protein 2 [Homo sapiens]	S538	0.87	0.79	TsQTEAVNS	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S2(99.1)]	S2(Phospho): 99.08	T(1): 0.9; S(2): 99.1; T(4): 0.0; S(9): 0.0	PQRKPRTsQTEAVNS	S2;	High	1245.556143					1	1	15.79	Medium	0.25	2.678282499	High	0.0522	Yes
NP_003147.2	6786	21070997	STIM1	stromal interaction molecule 1 isoform 2 precursor [Homo sapiens]	S575	0.59	0.97	LPDsPALAK	1	2	1	0	2×TMT6plex [N-Term; K9]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	LVEKLPDsPALAKKA	S4;	High	1449.811854					1	1	15.76	Medium	0.6875	2.586295843	High	0.4633	Yes
NP_001072989.1	3895	118498356	KTN1	kinectin isoform a [Homo sapiens]	T153	1.4	0.87	VEPVPVTKQPtPPSEAAASK	1	4	1	1	3×TMT6plex [N-Term; K8; K20]; 1×Phospho [T11(100)]	T11(Phospho): 100	T(7): 0.0; T(11): 100.0; S(14): 0.0; S(19): 0.0	VPVTKQPtPPSEAAA	T11;	High	2800.546473					1	1	15.75	Medium	0.375	4.02595377	High	0.1464	Yes
NP_733793.2	9462	226958575	RASAL2	ras GTPase-activating protein nGAP isoform 2 [Homo sapiens]	S982	1.23	0.94	STQsEDFSRR	1	2	1	1	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 99.14	S(1): 0.0; T(2): 0.0; S(4): 99.1; S(8): 0.9	FTKRSTQsEDFSRRH	S4;	High	1521.689617					1	1	15.69	Medium	0.25	3.06771493	High	0.0586	No
NP_004815.3	9425	221307494	CDYL	chromodomain Y-like protein isoform a [Homo sapiens]	T74	0.84	1.1	TNRtSPNNAR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [T4(99)]	T4(Phospho): 98.98	T(1): 0.0; T(4): 99.0; S(5): 1.0	TLTRTNRtSPNNARK	T4;	High	1439.695371					1	1	15.69	Medium	0.0625	3.042640209	High	0.0461	No
NP_057657.2	51291	91208437	GMIP	GEM-interacting protein isoform 1 [Homo sapiens]	S437	1.86	1.61	SLDsPTSSPGAGTR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 99.99	S(1): 0.0; S(4): 100.0; T(6): 0.0; S(7): 0.0; S(8): 0.0; T(13): 0.0	SESRSLDsPTSSPGA	S4;	High	1641.768261					1	1	15.68	Medium	0.0625	2.648521423	High	0.1358	Yes
NP_065943.2	113878	156564380	DTX2	probable E3 ubiquitin-protein ligase DTX2 isoform a [Homo sapiens]	S360	1.44	1.49	APQPTsPPASR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [S6(99)]	S6(Phospho): 99	T(5): 1.0; S(6): 99.0; S(10): 0.0	SRAPQPTsPPASRLA	S6;	High	1417.703811					1	1	15.67	Medium	0.25	2.648722887	High	0.0302	Yes
NP_005753.1	10155	5032179	TRIM28	transcription intermediary factor 1-beta [Homo sapiens]	S473	2.3	1.23	sGEGEVSGLMR	1	1	1	0	1×TMT6plex [N-Term]; 1×Oxidation [M10(100)]; 1×Phospho [S1(100)]	S1(Phospho): 100; M10(Oxidation): 100	S(1): 100.0; S(7): 0.0	SGVKRSRsGEGEVSG	S1;	High	1446.649726					1	1	15.57	Medium	1	3.146743536	High	0.3746	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S616	1.46	1.2	TAsPPPPPKR	1	3	7	1	2×TMT6plex [N-Term; K9]; 1×Phospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0	PPKRRTAsPPPPPKR	S3;	High	1585.88675	2.12	0.99	8.2	3.2	7	7	15.51	Medium	0.3125	4.074578285	High	0.1351	Yes
NP_055446.2	9644	55749544	SH3PXD2A	SH3 and PX domain-containing protein 2A [Homo sapiens]	S989	1.84	1.32	NSsFSTAR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(2): 0.0; S(3): 100.0; S(5): 0.0; T(6): 0.0	RGVRRNSsFSTARSA	S3;	High	1178.540434					1	1	15.51	Medium	0.0625	2.842004061	High	0.0634	No
NP_001231630.1	677	347659013	ZFP36L1	zinc finger protein 36, C3H1 type-like 1 isoform 2 [Homo sapiens]	S161	2.37	1.55	DRSFsEGGER	1	2	1	1	1×TMT6plex [N-Term]; 1×Phospho [S]	S5(Phospho): 100	S(3): 0.0; S(5): 100.0	RFRDRSFsEGGERLL	S5;	High	1448.636853					1	1	15.44	Medium	0.5333	2.987079144	High	0.2107	No
NP_001166935.1	55605	291167762	KIF21A	kinesin-like protein KIF21A isoform 1 [Homo sapiens]	S1239	0.86	1.05	KIPEPsPVTR	1	4	1	1	2×TMT6plex [N-Term; K]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; T(9): 0.0	EKKIPEPsPVTRRKA	S6;	High	1661.939179					1	1	15.35	Medium	0.6667	3.33512187	High	0.2246	Yes
NP_006280.3	7094	223029410	TLN1	talin-1 [Homo sapiens]	S1641	2.07	1.54	TVsDSIK	1	1	1	0	2×TMT6plex [N-Term; K7]; 1×Phospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0; S(5): 0.0	AGHSRTVsDSIKKLI	S3;	High	1287.696155					1	1	15.25	Medium	0.4	2.607378721	High	0.2567	Yes
NP_073568.2	64710	56118310	NUCKS1	nuclear ubiquitous casein and cyclin-dependent kinase substrate 1 [Homo sapiens]	S181	0.74	0.54	LKATVTPsPVK	1	1	2	1	3×TMT6plex [N-Term; K2; K11]; 1×Phospho [S8(100)]	S8(Phospho): 100	T(4): 0.0; T(6): 0.0; S(8): 100.0	LKATVTPsPVKGKGK	S8;	High	1908.153812	12.64	3.85	13.3	3	2	2	15.21	Medium	0.3333	5.841997147	High	0.1935	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	T916	0.41	0.74	GDHNRtLDR	1	15	1	1	1×TMT6plex [N-Term]; 1×Deamidated [N4(100)]; 1×Phospho [T6(100)]	N4(Deamidated): 100; T6(Phospho): 100	T(6): 100.0	ERGDHNRtLDRSGDL	T6;	High	1393.642273					1	1	15.14	Medium	0.8	3.415849447	High	0.3216	Yes
XP_011507141.1	105372277	767899360	LOC105372277	zinc finger protein 799-like [Homo sapiens]	S71	1.6	3.59	sFNSLGNLQR	1	1	1	0	1×TMT6plex [N-Term]; 3×Deamidated [N3(100); N7(100); Q9(100)]; 1×Phospho [S1(100)]	S1(Phospho): 100; N3(Deamidated): 100; N7(Deamidated): 100; Q9(Deamidated): 100	S(1): 100.0; S(4): 0.0	DCKECRKsFNSLGNL	S1;	High	1447.666758					1	1	15.14	Medium	0.4667	3.341202974	High	0.3024	No
NP_002102.4	3064	90903231	HTT	huntingtin [Homo sapiens]	S1866	0.52	1.05	RHSLsSTK	1	1	1	1	2×TMT6plex [N-Term; K8]; 1×Phospho [S5(98.6)]	S5(Phospho): 98.6	S(3): 0.0; S(5): 98.6; S(6): 0.0; T(7): 1.4	TPKRHSLsSTKLLSP	S5;	High	1453.792849					1	1	15.11	Medium	0.1333	2.857287407	High	0.0455	No
NP_004206.1	9166	4758230	EBAG9	receptor-binding cancer antigen expressed on SiSo cells [Homo sapiens]	S36	0.69	0.51	KLsGDQITLPTTVDYSSVPK	1	1	1	1	3×TMT6plex [N-Term; K20; K]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(8): 0.0; T(11): 0.0; T(12): 0.0; Y(15): 0.0; S(16): 0.0; S(17): 0.0	SGRGRKLsGDQITLP	S3;	High	2916.593817					1	1	15.09	Medium	0.8667	6.010433197	High	0.2446	Yes
NP_002810.1	5725	4506243	PTBP1	polypyrimidine tract-binding protein 1 isoform a [Homo sapiens]	S141	0.95	1	TDSsPNQAR	1	3	2	0	1×TMT6plex [N-Term]; 2×Deamidated [N6(100); Q7(100)]; 1×Phospho [S4(99.3)]	S4(Phospho): 99.32; N6(Deamidated): 100; Q7(Deamidated): 100	T(1): 0.0; S(3): 0.7; S(4): 99.3	KELKTDSsPNQARAQ	S4;	High	1286.546308					1	1	15.09	Medium	0.6	2.761855364	High	0.0217	Yes
NP_005186.2	1052	28872798	CEBPD	CCAAT/enhancer-binding protein delta [Homo sapiens]	S191	1.21	1.36	GPDRGsPEYR	1	1	1	1	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; Y(9): 0.0	KRGPDRGsPEYRQRR	S6;	High	1442.662674					1	1	15.06	Medium	0.7333	2.8942132	High	0.2837	Yes
NP_056132.1	23369	13491168	PUM2	pumilio homolog 2 isoform 1 [Homo sapiens]	S182	0.93	1.17	QAsPTEVVER	1	4	1	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; T(5): 0.0	TPGSRQAsPTEVVER	S3;	High	1424.698391					1	1	15.03	Medium	1	2.599172115	High	0.1769	Yes
NP_006654.2	10848	63003907	PPP1R13L	relA-associated inhibitor [Homo sapiens]	S158	1.9	2.66	APsPRPGPGPLR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	SSLGRAPsPRPGPGP	S3;	High	1510.809279					1	1	15.01	Medium	1	3.700527191	High	0.5054	Yes
NP_001157289.1	1717	255308875	DHCR7	7-dehydrocholesterol reductase [Homo sapiens]	S14	1.11	1.51	sLDGVTNDR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(6): 0.0	PNIPKAKsLDGVTND	S1;	High	1285.598677					1	1	14.93	Medium	0.9333	2.853094816	High	0.2807	Yes
NP_663304.1	6885	21735562	MAP3K7	mitogen-activated protein kinase kinase kinase 7 isoform B [Homo sapiens]	S459	1	2.33	SSsPSVR	1	4	1	0	1×TMT6plex [N-Term]; 1×Phospho [S]	S3(Phospho): 98.5	S(1): 0.0; S(2): 0.7; S(3): 98.5; S(5): 0.7	QVSSRSSsPSVRMIT	S3;	High	1028.497506					1	1	14.9	Medium	0.4667	2.670071602	High	0.1386	Yes
NP_001002814.2	80223	289547524	RAB11FIP1	rab11 family-interacting protein 1 isoform 3 [Homo sapiens]	S280	5.43	4.94	RTAsTDLK	1	2	1	1	2×TMT6plex [N-Term; K8]; 1×Phospho [S4(100)]	S4(Phospho): 99.99	T(2): 0.0; S(4): 100.0; T(5): 0.0	MSHKRTAsTDLKQLN	S4;	High	1429.781616					1	1	14.88	Medium	0.2	3.27440834	High	0.0979	Yes
NP_001128342.1	170954	199559805	PPP1R18	phostensin [Homo sapiens]	S175	1.49	1.37	DWRQsPGEVGDR	1	1	1	1	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(5): 100.0	EARDWRQsPGEVGDR	S5;	High	1710.779829					1	1	14.82	Medium	0.2667	3.268830061	High	0.315	Yes
NP_001003800.1	23299	51479166	BICD2	protein bicaudal D homolog 2 isoform 1 [Homo sapiens]	S568	0.82	2.05	TsPGGRTSPEAR	1	2	3	1	1×TMT6plex [N-Term]; 2×Phospho [S2(98.8); S8(98.8)]	S2(Phospho): 97.77; T7(Phospho): 50; S8(Phospho): 50	T(1): 2.2; S(2): 97.8; T(7): 50.0; S(8): 50.0	QGGAGRTsPGGRTSP	S2;	High	1604.703232					1	1	14.75	Medium	0.4	4.4101758	High	0.0136	Yes
NP_940873.2	256949	157504499	KANK3	KN motif and ankyrin repeat domain-containing protein 3 [Homo sapiens]	S271	1.82	1.05	ADsPDGLAAGR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	RASPRADsPDGLAAG	S3;	High	1338.625226					1	1	14.75	Medium	1	3.467663527	High	0.6744	Yes
NP_001278893.1	4301	634743290	MLLT4	afadin isoform 4 [Homo sapiens]	T208	1.16	1.23	SSDGRPDSGGtLR	1	3	3	0	1×TMT6plex [N-Term]; 1×Phospho [S/T]	T11(Phospho): 98.45	S(1): 0.0; S(2): 0.0; S(8): 1.6; T(11): 98.5	GRPDSGGtLRIYADS	T11;	High	1613.748194	19.49	8.25	40.8	17.7	3	3	14.75	Medium	0.1333	3.364650965	High	0.1071	No
NP_006296.1	8125	5453880	ANP32A	acidic leucine-rich nuclear phosphoprotein 32 family member A [Homo sapiens]	T15	2.38	1.79	NRtPSDVK	1	2	2	1	2×TMT6plex [N-Term; K8]; 1×Phospho [T3(99.5)]	T3(Phospho): 100	T(3): 100.0; S(5): 0.0	HLELRNRtPSDVKEL	T3;	High	1454.776865	2.24	10.82	7.6	27.8	2	2	14.69	Medium	0.5333	3.322255373	High	0.2229	Yes
NP_001193769.1	10618	332205947	TGOLN2	trans-Golgi network integral membrane protein 2 isoform 2 precursor [Homo sapiens]	S351	2.22	1.08	MSGSAsSENR	1	4	1	0	1×TMT6plex [N-Term]; 1×Oxidation [M1(100)]; 1×Deamidated [N9(100)]; 1×Phospho [S6(100)]	M1(Oxidation): 100; S6(Phospho): 99.98; N9(Deamidated): 100	S(2): 0.0; S(4): 0.0; S(6): 100.0; S(7): 0.0	EKMSGSAsSENREGT	S6;	High	1351.539842					1	1	14.69	Medium	0.0667	2.600712061	High	0.0615	Yes
NP_056067.2	23301	217330568	EHBP1	EH domain-binding protein 1 isoform 1 [Homo sapiens]	S759	0.94	1.15	TSLsPTSK	1	3	1	0	2×TMT6plex [N-Term; K8]; 1×Phospho [S4(100)]	S4(Phospho): 100	T(1): 0.0; S(2): 0.0; S(4): 100.0; T(6): 0.0; S(7): 0.0	PIKKTSLsPTSKLGY	S4;	High	1358.733269					1	1	14.66	Medium		2.710457563	High	0.107	Yes
NP_001708.3	646	157276588	BNC1	zinc finger protein basonuclin-1 isoform a [Homo sapiens]	S988	1.16	0.73	SLAsSPSHLQ	1	2	3	0	1×TMT6plex [N-Term]; 1×Phospho [S4(100)]	S4(Phospho): 99.99	S(1): 0.0; S(4): 100.0; S(5): 0.0; S(7): 0.0	NLHKSLAsSPSHLQ_	S4;	High	1335.650712	44.3	5.69	83.7	5.9	2	2	14.56	Medium	0.4	2.894607544	High	0.0623	No
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S297	0.39	0.4	SPsPASGR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; S(6): 0.0	ALAGRSPsPASGRRG	S3;	High	1067.508405					1	1	14.54	Medium	0.2667	3.013139486	High	0.2159	Yes
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S881	0.53	0.43	GsPTPGFSTR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S2(99.1)]	S2(Phospho): 99.06	S(2): 99.1; T(4): 0.9; S(8): 0.0; T(9): 0.0	AYPERKGsPTPGFST	S2;	High	1315.624498					1	1	14.53	Medium	0.5333	2.764564753	High	0.1957	Yes
NP_057733.2	51575	18093112	ESF1	ESF1 homolog [Homo sapiens]	S153	2.28	1.09	FKIDSNIsPK	1	1	1	1	3×TMT6plex [N-Term; K2; K10]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(5): 0.0; S(8): 100.0	FKIDSNIsPKKDSKE	S8;	High	1916.086127					1	1	14.42	Medium	0.6429	3.889567137	High	0.2674	Yes
NP_004783.2	9360	42560244	PPIG	peptidyl-prolyl cis-trans isomerase G [Homo sapiens]	S397	0.4	3.2	ENQRsPVR	1	1	2	1	1×TMT6plex [N-Term]; 1×Deamidated [N/Q]; 1×Phospho [S5(100)]	N2(Deamidated): 50; Q3(Deamidated): 50; S5(Phospho): 100	S(5): 100.0	EIKENQRsPVRVKER	S5;	High	1295.630646					1	1	14.39	Medium	0.2143	3.170405626	High	0.0095	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_003038.2	6548	27777632	SLC9A1	sodium/hydrogen exchanger 1 [Homo sapiens]	S693	0.67	0.42	LDsPTMSR	1	1	1	0	1×TMT6plex [N-Term]; 1×Oxidation [M6(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; M6(Oxidation): 100	S(3): 100.0; T(5): 0.0; S(7): 0.0	VPAHKLDsPTMSRAR	S3;	High	1231.559121					1	1	14.37	Medium	0.5	2.573265791	High	0.0389	Yes
NP_001289958.1	11187	732663005	PKP3	plakophilin-3 isoform PKP3b [Homo sapiens]	S138	1.54	0.64	sAVDLSCSRR	1	2	1	1	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C7]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(6): 0.0; S(8): 0.0	PASWSSRsAVDLSCS	S1;	High	1459.692594					1	1	14.33	Medium	0.4286	3.304278135	High	0.3667	No
NP_075388.2	65117	38146107	RSRC2	arginine/serine-rich coiled-coil protein 2 [Homo sapiens]	S104	1.29	0.69	ERLNsSENGEDR	1	1	1	1	1×TMT6plex [N-Term]; 1×Deamidated [N8(100)]; 1×Phospho [S5(100)]	S5(Phospho): 99.98; N8(Deamidated): 100	S(5): 100.0; S(6): 0.0	KGRERLNsSENGEDR	S5;	High	1715.743503					1	1	14.18	Medium	0.5714	3.612250566	High	0.1163	Yes
NP_115517.1	84081	14149807	NSRP1	nuclear speckle splicing regulatory protein 1 isoform 1 [Homo sapiens]	S289; S291	0.86	0.55	SQNHsRsPSEER	1	2	1	1	1×TMT6plex [N-Term]; 2×Phospho [S5(96.9); S7(97)]	S5(Phospho): 96.88; S7(Phospho): 96.99	S(1): 0.1; S(5): 96.9; S(7): 97.0; S(9): 6.0	HHRSQNHsRSPSEER;RSQNHSRsPSEERGH	S5; S7;	High	1802.742137					1	1	14.18	Medium	0.4286	3.063645124	High	0.183	Yes;Yes
NP_006087.2	10397	37655183	NDRG1	protein NDRG1 isoform 1 [Homo sapiens]	S352	1.02	2.27	SHTSEGTRsR	1	3	1	1	1×TMT6plex [N-Term]; 1×Phospho [S9(98.4)]	S9(Phospho): 98.35	S(1): 0.0; T(3): 0.0; S(4): 0.0; T(7): 1.7; S(9): 98.4	HTSEGTRsRSHTSEG	S9;	High	1426.663737					1	1	14.07	Medium	0.2143	2.893177032	High	0.083	Yes
NP_001003681.1	10042	51173873	HMGXB4	HMG domain-containing protein 4 [Homo sapiens]	S497	1.02	0.95	ASSVGVLsPQKK	1	1	1	1	3×TMT6plex [N-Term; K11; K12]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(2): 0.0; S(3): 0.0; S(8): 100.0	ASSVGVLsPQKKSPP	S8;	High	1968.14979					1	1	14.04	Medium	1	3.01910162	High	0.3212	Yes
NP_689449.1	11135	23238226	CDC42EP1	cdc42 effector protein 1 [Homo sapiens]	S303	0.36	1.6	SsPVGGGPR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S2(100)]	S2(Phospho): 99.99	S(1): 0.0; S(2): 100.0	PVAEVKSsPVGGGPR	S2;	High	1122.550605					1	1	13.91	Medium	0.4286	2.683137894	High	0.1231	Yes
NP_055885.3	23091	116008442	ZC3H13	zinc finger CCCH domain-containing protein 13 [Homo sapiens]	S198	0.96	1.38	EVsPEVVR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	IIIKKEVsPEVVRSK	S3;	High	1223.623435					1	1	13.84	Medium	0.7857	2.745121002	High	0.3564	Yes
NP_003007.2	6427	47271443	SRSF2	serine/arginine-rich splicing factor 2 [Homo sapiens]	S26	0.55	4.12	TsPDTLR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S2(99.4)]	S2(Phospho): 99.37	T(1): 0.6; S(2): 99.4; T(5): 0.0	DNLTYRTsPDTLRRV	S2;	High	1098.539371					1	1	13.45	Medium	0.3077	2.731805086	High	0.1209	Yes
NP_789839.1	10197	30410796	PSME3	proteasome activator complex subunit 3 isoform 2 [Homo sapiens]	S260	2.23	1.41	sSNAETLY	1	3	1	0	1×TMT6plex [N-Term]; 1×Phospho [S1(99.4)]	S1(Phospho): 99.43	S(1): 99.4; S(2): 0.6; T(6): 0.0; Y(8): 0.0	EKIKRPRsSNAETLY	S1;	High	1193.528866					1	1	13.36	Medium	0.4615	2.992566347	High	0.107	No
NP_874365.3	23513	355390313	SCRIB	protein scribble homolog isoform a [Homo sapiens]	T1342	0.58	1.4	AFAAVPTSHPPEDAPAQPPtPGPAASPEQLSFR	1	2	1	0	1×TMT6plex [N-Term]; 1×Phospho [T20(94.2)]	T20(Phospho): 94.2	T(7): 0.0; S(8): 0.0; T(20): 94.2; S(26): 2.9; S(31): 2.9	DAPAQPPtPGPAASP	T20;	High	3647.773293					1	1	19.76	Low	0.4	4.378973007	High	0.0799	Yes
NP_060439.2	55677	217330641	IWS1	protein IWS1 homolog [Homo sapiens]	S438; S440	1.09	2.11	TIAsDsEEEAGKELSDK	1	1	1	1	3×TMT6plex [N-Term; K12; K17]; 2×Phospho [S4(100); S6(99.9)]	S4(Phospho): 100; S6(Phospho): 99.92	T(1): 0.0; S(4): 100.0; S(6): 99.9; S(15): 0.1	KREKTIAsDSEEEAG;EKTIASDsEEEAGKE	S4; S6;	High	2656.261066					1	1	18.83	Low	0.7368	4.324855328	High	0.4352	Yes;Yes
NP_055863.1	23067	210032580	SETD1B	histone-lysine N-methyltransferase SETD1B [Homo sapiens]	S398	1.06	0.99	SAFsPYQTPVAHFPPPPEEPTATAAFGAR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S4(98)]	S4(Phospho): 98.04	S(1): 2.0; S(4): 98.0; Y(6): 0.0; T(8): 0.0; T(21): 0.0; T(23): 0.0	PGFKSAFsPYQTPVA	S4;	High	3350.608459					1	1	18.48	Low	0.0556	3.402576685	High	0.0559	Yes
NP_065197.1	57224	254692997	NHSL1	NHS-like protein 1 isoform 1 [Homo sapiens]	S1167	1.13	1.16	GGPVSRsPGAPSAGEAEARPSPSTTPLPDSSPSR	1	2	2	1	1×TMT6plex [N-Term]; 1×Phospho [S7(99.9)]	S7(Phospho): 99.9	S(5): 0.1; S(7): 99.9; S(12): 0.0; S(21): 0.0; S(23): 0.0; T(24): 0.0; T(25): 0.0; S(30): 0.0; S(31): 0.0; S(33): 0.0	RGGPVSRsPGAPSAG	S7;	High	3568.723048					1	1	18.19	Low	0.3333	4.908930302	High	0.0428	Yes
NP_005426.2	7984	50959191	ARHGEF5	rho guanine nucleotide exchange factor 5 [Homo sapiens]	S983	0.92	1.15	TTPQQGASGPGRsPVGQAR	1	2	3	1	1×TMT6plex [N-Term]; 1×Phospho [S13(98.7)]	S13(Phospho): 98.68	T(1): 0.0; T(2): 0.0; S(8): 1.3; S(13): 98.7	GASGPGRsPVGQARQ	S13;	High	2161.07126	7.78	31.65	10.1	55	2	2	17.71	Low	0.0556	4.363424301	High	0.039	Yes
NP_004759.1	9295	4759100	SRSF11	serine/arginine-rich splicing factor 11 isoform 1 [Homo sapiens]	S434	0.97	1.07	DYDEEEQGYDsEKEK	1	2	1	1	3×TMT6plex [N-Term; K13; K15]; 1×Phospho [S11(100)]	S11(Phospho): 100	Y(2): 0.0; Y(9): 0.0; S(11): 100.0	EEEQGYDsEKEKKEE	S11;	High	2631.195415					1	1	17.64	Low	1	4.24241209	High	0.2241	Yes
NP_009217.3	11346	40353727	SYNPO	synaptopodin isoform A [Homo sapiens]	S784	0.78	0.81	SAGAENPRPFsPPRAPPPPPPPPPPR	1	1	1	1	1×TMT6plex [N-Term]; 1×Deamidated [N6(100)]; 1×Phospho [S11(99.9)]	N6(Deamidated): 100; S11(Phospho): 99.89	S(1): 0.1; S(11): 99.9	AENPRPFsPPRAPPP	S11;	High	3184.62947					1	1	17.57	Low	0.2222	5.599381924	High	0.1232	Yes
NP_001096123.1	54726	156630992	OTUD4	OTU domain-containing protein 4 isoform 3 [Homo sapiens]	S958; S959	1.92	0.85	VQRPKEEssEDENEVSNILR	1	1	1	1	2×TMT6plex [N-Term; K5]; 2×Phospho [S8(100); S9(100)]	S8(Phospho): 100; S9(Phospho): 100	S(8): 100.0; S(9): 100.0; S(16): 0.0	VQRPKEEsSEDENEV;QRPKEESsEDENEVS	S8; S9;	High	2976.411697					1	1	17.5	Low	0.5556	5.189759731	High	0.2312	No;No
NP_003619.2	8502	53829374	PKP4	plakophilin-4 isoform a [Homo sapiens]	S403	1.06	1.44	sAVSPDLHITPIYEGR	1	5	2	0	1×TMT6plex [N-Term]; 1×Phospho [S1(98.7)]	S1(Phospho): 98.72	S(1): 98.7; S(4): 1.3; T(10): 0.0; Y(13): 0.0	QLGQDLRsAVSPDLH	S1;	High	2064.036437					1	1	17.45	Low	0.9412	3.259607792	High	0.046	Yes
NP_057615.3	51274	156151371	KLF3	Krueppel-like factor 3 [Homo sapiens]	S92; S96	1.34	0.65	RAsPGLsMPSSSPPIK	1	1	1	1	2×TMT6plex [N-Term; K16]; 1×Oxidation [M8(100)]; 2×Phospho [S3(100); S7(99.9)]	S3(Phospho): 100; S7(Phospho): 99.93; M8(Oxidation): 100	S(3): 100.0; S(7): 99.9; S(10): 0.0; S(11): 0.0; S(12): 0.1	PSSHRRAsPGLSMPS;RRASPGLsMPSSSPP	S3; S7;	High	2246.105743					1	1	17.45	Low	0.0588	3.150996208	High	0.1714	Yes;Yes
NP_055792.1	22985	7662238	ACIN1	apoptotic chromatin condensation inducer in the nucleus isoform 1 [Homo sapiens]	S838	1.66	1.23	GVPAGNsDTEGGQPGRK	1	5	1	1	2×TMT6plex [N-Term; K17]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; T(9): 0.0	KGVPAGNsDTEGGQP	S7;	High	2165.075231					1	1	17.33	Low	0.5882	2.972103119	High	0.1347	Yes
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S26; S36	0.39	0.17	SFSTASAITPsVSRTSFTSVsR	1	1	2	1	1×TMT6plex [N-Term]; 2×Phospho [S6(99.9); S16(95.2)]	S11(Phospho): 95.56; S21(Phospho): 99.94	S(1): 0.0; S(3): 0.0; T(4): 0.0; S(6): 0.0; T(9): 0.0; S(11): 95.6; S(13): 2.2; T(15): 2.2; S(16): 0.1; T(18): 0.0; S(19): 0.1; S(21): 99.9	TASAITPsVSRTSFT;RTSFTSVsRSGGGGG	S11; S21;	High	2665.247308	99.68	430.44	58.7	142.7	2	2	17.25	Low	0.5882	3.242270231	High	0.0525	No;Yes
NP_065804.2	57513	217416347	CASKIN2	caskin-2 isoform a [Homo sapiens]	S403; S406	0.48	0.22	VGLSPDSPAGDRNsVGsEGSVGSIR	1	2	1	1	1×TMT6plex [N-Term]; 2×Phospho [S14(100); S17(99.9)]	S14(Phospho): 100; S17(Phospho): 99.92	S(4): 0.0; S(7): 0.0; S(14): 100.0; S(17): 99.9; S(20): 0.1; S(23): 0.0	SPAGDRNsVGSEGSV;GDRNSVGsEGSVGSI	S14; S17;	High	2789.270563					1	1	17.22	Low	0.0588	3.445115328	High	0.2174	Yes;Yes
NP_775782.2	150864	254910983	FAM117B	protein FAM117B [Homo sapiens]	S449	1.19	0.99	DKENGNNsPLPK	1	1	1	1	3×TMT6plex [N-Term; K2; K12]; 1×Deamidated [N4(99)]; 1×Phospho [S8(100)]	N4(Deamidated): 99.01; S8(Phospho): 100	S(8): 100.0	DKENGNNsPLPKYAT	S8;	High	2081.088312					1	1	17.18	Low	0.1176	2.890224457	High	0.1522	Yes
NP_116265.1	84962	14249622	AJUBA	LIM domain-containing protein ajuba isoform 1 [Homo sapiens]	S137	1.24	1.68	SSFASSSASDASKPSsPR	1	2	2	0	2×TMT6plex [N-Term; K13]; 1×Phospho [S16(100)]	S16(Phospho): 99.98	S(1): 0.0; S(2): 0.0; S(5): 0.0; S(6): 0.0; S(7): 0.0; S(9): 0.0; S(12): 0.0; S(15): 0.0; S(16): 100.0	SDASKPSsPRGSLLL	S16;	High	2294.106591					1	1	17.15	Low	0.0588	3.39408493	High	0.0088	Yes
NP_002087.2	2962	156104891	GTF2F1	general transcription factor IIF subunit 1 [Homo sapiens]	S433	1.29	0.88	LDTGPQSLsGKSTPQPPSGK	1	1	4	1	3×TMT6plex [N-Term; K11; K20]; 2×Phospho [S9(98.6); S/T]	S9(Phospho): 98.57; S12(Phospho): 50.71; T13(Phospho): 50.71	T(3): 0.0; S(7): 0.0; S(9): 98.6; S(12): 50.7; T(13): 50.7; S(18): 0.0	DTGPQSLsGKSTPQP	S9;	High	2829.440367					1	1	17.08	Low	0.1176	6.128508091	High	0.1093	Yes
NP_003745.1	8665	4503519	EIF3F	eukaryotic translation initiation factor 3 subunit F [Homo sapiens]	S258	1.41	1.1	TCFsPNRVIGLSSDLQQVGGASAR	1	1	1	1	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C2]; 1×Deamidated [N6(100)]; 1×Phospho [S4(100)]	S4(Phospho): 100; N6(Deamidated): 100	T(1): 0.0; S(4): 100.0; S(12): 0.0; S(13): 0.0; S(22): 0.0	LIMKTCFsPNRVIGL	S4;	High	2830.375623					1	1	17.06	Low	0.2941	3.463217497	High	0.104	Yes
NP_005900.2	4131	153945728	MAP1B	microtubule-associated protein 1B [Homo sapiens]	S1965	4.07	1.49	TTsPPEVSGYSYEKTER	1	1	3	1	2×TMT6plex [N-Term; K14]; 1×Phospho [S3(100)]	S3(Phospho): 99.98	T(1): 0.0; T(2): 0.0; S(3): 100.0; S(8): 0.0; Y(10): 0.0; S(11): 0.0; Y(12): 0.0; T(15): 0.0	DISEKTTsPPEVSGY	S3;	High	2469.195072	5.06	4.53	29.8	9.6	2	2	16.83	Low	0.0588	4.104852676	High	0.0171	Yes
NP_079461.2	26115	157739945	TANC2	protein TANC2 [Homo sapiens]	S400	0.69	0.5	QIASDsPHASPK	1	1	2	0	2×TMT6plex [N-Term; K12]; 1×Phospho [S6(98.4)]	S6(Phospho): 98.44	S(4): 1.6; S(6): 98.4; S(10): 0.0	MRQIASDsPHASPKH	S6;	High	1775.909336	3.5	18.48	3.4	13	2	2	16.77	Low	0.2941	3.080081463	High	0.1364	Yes
NP_848927.2	92140	223555917	MTDH	protein LYRIC [Homo sapiens]	S298	1.15	1.41	LSSQIsAGEEKWNSVSPASAGK	1	1	1	1	3×TMT6plex [N-Term; K11; K22]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(2): 0.0; S(3): 0.0; S(6): 100.0; S(14): 0.0; S(16): 0.0; S(19): 0.0	VKLSSQIsAGEEKWN	S6;	High	3000.564642					1	1	16.69	Low	0.0588	3.639988899	High	0.1374	Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S85; S93	0.46	0.42	AHsPASTLPNsPGSTFERK	1	1	4	1	2×TMT6plex [N-Term; K19]; 2×Phospho [S3(100); S11(100)]	S3(Phospho): 100; S11(Phospho): 100	S(3): 100.0; S(6): 0.0; T(7): 0.0; S(11): 100.0; S(14): 0.0; T(15): 0.0	SSYRRAHsPASTLPN;PASTLPNsPGSTFER	S3; S11;	High	2602.246804	181.64	8.3	176.5	4.9	2	2	16.58	Low	0.5294	4.598287582	High	0.0022	Yes;Yes
NP_005372.2	4691	55956788	NCL	nucleolin [Homo sapiens]	S563	2.05	0.77	LELQGPRGsPNAR	1	1	4	1	1×TMT6plex [N-Term]; 1×Phospho [S9(100)]	S9(Phospho): 100	S(9): 100.0	ELQGPRGsPNARSQP	S9;	High	1703.879149	2.17	3.51	8.9	5.4	4	4	16.53	Low	1	3.798235178	High	0.5474	Yes
NP_001778.2	984	606215166	CDK11B	cyclin-dependent kinase 11B isoform 1 [Homo sapiens]	S752	0.85	2.79	GTsPRPPEGGLGYSQLGDDDLK	1	8	2	0	2×TMT6plex [N-Term; K22]; 1×Phospho [S3(98.4)]	S3(Phospho): 98.45	T(2): 1.6; S(3): 98.5; Y(13): 0.0; S(14): 0.0	QRVKRGTsPRPPEGG	S3;	High	2797.380975					1	1	16.53	Low	0.1176	3.112491608	High	0.0225	Yes
NP_057427.3	1063	55770834	CENPF	centromere protein F [Homo sapiens]	S3079	0.98	0.86	SVPVNNLPERsPTDSPR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S11(98.2)]	S11(Phospho): 98.25	S(1): 0.0; S(11): 98.3; T(13): 1.8; S(15): 0.0	VNNLPERsPTDSPRE	S11;	High	2174.080427					1	1	16.46	Low	0.1875	3.966310263	High	0.0479	No
NP_004505.2	3607	31563338	FOXK2	forkhead box protein K2 [Homo sapiens]	S170	0.9	1.96	EKQEASEsPVK	1	1	1	1	3×TMT6plex [N-Term; K2; K11]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(6): 0.0; S(8): 100.0	EKQEASEsPVKAVQP	S8;	High	1999.071599					1	1	16.46	Low	0.4375	3.676093578	High	0.1549	Yes
NP_005900.2	4131	153945728	MAP1B	microtubule-associated protein 1B [Homo sapiens]	S1265	2.62	1.95	SPSLSPSPPsPLEKTPLGER	1	1	2	1	2×TMT6plex [N-Term; K14]; 1×Phospho [S10(100)]	S10(Phospho): 100	S(1): 0.0; S(3): 0.0; S(5): 0.0; S(7): 0.0; S(10): 100.0; T(15): 0.0	SLSPSPPsPLEKTPL	S10;	High	2614.389355	3.62	4.26	13.5	11.8	2	2	16.46	Low	0.25	3.195550203	High	0.1406	Yes
NP_005768.1	10180	5032033	RBM6	RNA-binding protein 6 isoform 1 [Homo sapiens]	S1025	1.13	1.43	EKLQSFDsPER	1	2	1	1	2×TMT6plex [N-Term; K2]; 1×Phospho [S8(100)]	S8(Phospho): 100	S(5): 0.0; S(8): 100.0	EKLQSFDsPERKRIK	S8;	High	1873.946115					1	1	16.32	Low	0.4375	3.032121181	High	0.1518	Yes
NP_015561.1	8498	6466466	RANBP3	ran-binding protein 3 isoform RANBP3-d [Homo sapiens]	S126	0.91	0.75	ERTSsLTQFPPSQSEER	1	4	2	1	1×TMT6plex [N-Term]; 1×Phospho [S5(97.1)]	S5(Phospho): 97.08	T(3): 1.5; S(4): 1.5; S(5): 97.1; T(7): 0.0; S(12): 0.0; S(14): 0.0	VKRERTSsLTQFPPS	S5;	High	2288.075736					1	1	16.09	Low	0.375	2.964948893	High	0.0203	Yes
NP_909122.1	9584	35493811	RBM39	RNA-binding protein 39 isoform a [Homo sapiens]	S97	1.26	1.07	YRsPYSGPK	1	2	2	1	2×TMT6plex [N-Term; K9]; 1×Phospho [S3(100)]	S3(Phospho): 100	Y(1): 0.0; S(3): 100.0; Y(5): 0.0; S(6): 0.0	RFRGRYRsPYSGPKF	S3;	High	1592.823815	0.76	2.96	1.4	4.5	2	2	15.98	Low	0.8125	3.710055113	High	0.1294	Yes
NP_002678.2	5411	33356174	PNN	pinin [Homo sapiens]	S100	1.44	2.1	ESRQEsDPEDDDVK	1	1	1	1	2×TMT6plex [N-Term; K14]; 1×Phospho [S6(100)]	S6(Phospho): 99.98	S(2): 0.0; S(6): 100.0	RRESRQEsDPEDDDV	S6;	High	2186.985473					1	1	15.98	Low	0.125	3.162853479	High	0.1677	Yes
NP_060621.3	55183	56676335	RIF1	telomere-associated protein RIF1 isoform 1 [Homo sapiens]	S2234	0.47	0.33	SHSSNSsPIGK	1	2	1	0	2×TMT6plex [N-Term; K11]; 1×Phospho [S7(97.1)]	S7(Phospho): 97.12	S(1): 0.0; S(3): 0.0; S(4): 1.4; S(6): 1.4; S(7): 97.1	RSHSSNSsPIGKSVK	S7;	High	1638.825272					1	1	15.88	Low	0.0625	3.691276789	High	0.065	Yes
NP_067051.2	58506	226509740	SCAF1	splicing factor, arginine/serine-rich 19 [Homo sapiens]	S725	1.11	1.48	GPSPAPASsPKR	1	1	1	1	2×TMT6plex [N-Term; K11]; 1×Phospho [S9(100)]	S9(Phospho): 99.98	S(3): 0.0; S(8): 0.0; S(9): 100.0	PSPAPASsPKREVLY	S9;	High	1689.908942					1	1	15.88	Low	0.1875	3.634361506	High	0.0937	Yes
NP_064504.2	56829	27477136	ZC3HAV1	zinc finger CCCH-type antiviral protein 1 isoform 1 [Homo sapiens]	S378	2.72	2.27	KTVFsPTLPAAR	1	2	1	1	2×TMT6plex [N-Term; K]; 1×Phospho [S5(100)]	S5(Phospho): 100	T(2): 0.0; S(5): 100.0; T(7): 0.0	ARRKTVFsPTLPAAR	S5;	High	1826.034142					1	1	15.88	Low	0.625	2.903553486	High	0.1552	Yes
NP_006603.2	10749	40254834	KIF1C	kinesin-like protein KIF1C [Homo sapiens]	S915	0.94	0.53	MPSARPPsPPLSSWER	1	1	1	0	1×TMT6plex [N-Term]; 1×Oxidation [M1(100)]; 1×Phospho [S8(100)]	M1(Oxidation): 100; S8(Phospho): 100	S(3): 0.0; S(8): 100.0; S(12): 0.0; S(13): 0.0	MPSARPPsPPLSSWE	S8;	High	2120.019742					1	1	15.87	Low	0.75	3.44852376	High	0.258	Yes
NP_071330.3	50619	145312241	DEF6	differentially expressed in FDCP 6 homolog [Homo sapiens]	S590	1.34	0.63	WGsQGNRTPSPNSNEQQK	1	1	2	1	2×TMT6plex [N-Term; K18]; 1×Phospho [S10(98.1)]	S3(Phospho): 100	S(3): 100.0; T(8): 0.0; S(10): 0.0; S(13): 0.0	KRLTRWGsQGNRTPS	S3;	High	2553.224749	63.3	52.69	180	50	2	2	15.83	Low	0.3125	4.478429317	High	0.1585	Yes
NP_056163.1	23505	150456424	TMEM131	transmembrane protein 131 [Homo sapiens]	S1155	0.88	1.46	RLsFEASNPPFDVGRPFDLR	1	1	1	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(7): 0.0	EPFRRRLsFEASNPP	S3;	High	2629.312552					1	1	15.81	Low	0.375	4.783815861	High	0.1297	Yes
NP_009298.1	27	6382062	ABL2	Abelson tyrosine-protein kinase 2 isoform b [Homo sapiens]	S631	1.87	1.02	DKsPSSLLEDAK	1	7	1	1	3×TMT6plex [N-Term; K2; K12]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; S(6): 0.0	PRKQRDKsPSSLLED	S3;	High	2057.113464					1	1	15.76	Low	0.5625	3.351895809	High	0.1612	Yes
NP_002366.2	4134	47519639	MAP4	microtubule-associated protein 4 isoform 1 [Homo sapiens]	S941	1.96	0.63	VGsTENIKHQPGGGR	1	2	1	1	2×TMT6plex [N-Term; K8]; 1×Phospho [S3(100)]	S3(Phospho): 99.97	S(3): 100.0; T(4): 0.0	NVRSKVGsTENIKHQ	S3;	High	2075.079923					1	1	15.72	Low	0.5	3.702523232	High	0.073	Yes
NP_004272.2	9531	14043024	BAG3	BAG family molecular chaperone regulator 3 [Homo sapiens]	S275	0.66	0.71	SSVQGASsREGSPAR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S8(98.1)]	S8(Phospho): 98.09	S(1): 0.0; S(2): 0.0; S(7): 1.9; S(8): 98.1; S(12): 0.0	SSVQGASsREGSPAR	S8;	High	1784.848971					1	1	15.71	Low	0.5625	3.753030777	High	0.0427	Yes
NP_004198.1	9123	4759112	SLC16A3	monocarboxylate transporter 4 [Homo sapiens]	T460	1.23	0.72	AEPEKNGEVVHtPETSV	1	1	2	1	2×TMT6plex [N-Term; K5]; 1×Deamidated [N6(100)]; 1×Phospho [S16(98.3)]	N6(Deamidated): 100; T12(Phospho): 95.26	T(12): 95.3; T(15): 2.4; S(16): 2.4	KNGEVVHtPETSV_	T12;	High	2362.157958					1	1	15.7	Low	0.3125	3.135481596	High	0.0382	Yes
NP_003371.2	7431	62414289	VIM	vimentin [Homo sapiens]	S39	1.62	1.29	TYsLGSALRPSTSR	1	1	3	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.98	T(1): 0.0; Y(2): 0.0; S(3): 100.0; S(6): 0.0; S(11): 0.0; T(12): 0.0; S(13): 0.0	TTSTRTYsLGSALRP	S3;	High	1804.915594	0.06	9.56	0.1	17.5	2	2	15.57	Low	0.625	2.936430693	High	0.034	Yes
NP_002848.1	5824	4506339	PEX19	peroxisomal biogenesis factor 19 isoform a [Homo sapiens]	S54	1.49	0.66	sPGDTAKDALFASQEK	1	2	1	1	3×TMT6plex [N-Term; K7; K16]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(5): 0.0; S(13): 0.0	ASGPQKRsPGDTAKD	S1;	High	2432.267732					1	1	15.51	Low	0.8125	5.500126362	High	0.22	Yes
NP_005778.1	10195	5031953	ALG3	dol-P-Man:Man(5)GlcNAc(2)-PP-Dol alpha-1,3-mannosyltransferase isoform a [Homo sapiens]	S11; S13	0.5	0.62	GRsGsAAQAEGLCK	1	1	1	1	2×TMT6plex [N-Term; K14]; 1×Carbamidomethyl [C13]; 2×Phospho [S3(100); S5(100)]	S3(Phospho): 100; S5(Phospho): 100	S(3): 100.0; S(5): 100.0	GLRKRGRsGSAAQAE;RKRGRSGsAAQAEGL	S3; S5;	High	2009.928113					1	1	15.51	Low	1	3.409100533	High	0.6745	Yes;Yes
NP_006654.2	10848	63003907	PPP1R13L	relA-associated inhibitor [Homo sapiens]	S84	0.93	0.65	YSSSSIPEPFGSRGsPR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S15(98.7)]	S15(Phospho): 98.71	Y(1): 0.0; S(2): 0.0; S(3): 0.0; S(4): 0.0; S(5): 0.0; S(12): 1.3; S(15): 98.7	EPFGSRGsPRKAATD	S15;	High	2120.001114					1	1	15.5	Low	0.5625	3.269301176	High	0.0245	Yes
NP_001258928.1	85440	431822375	DOCK7	dedicator of cytokinesis protein 7 isoform 1 [Homo sapiens]	S888	1.34	1.18	SAVRPAsLNLNR	1	4	1	0	1×TMT6plex [N-Term]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(1): 0.0; S(7): 100.0	RSAVRPAsLNLNRSR	S7;	High	1606.862771					1	1	15.44	Low	1	3.147916079	High	0.4032	Yes
NP_203744.1	85377	31324577	MICALL1	MICAL-like protein 1 [Homo sapiens]	S295	1.23	1.1	LQELAsPPAGRPTPAPR	1	1	1	0	1×TMT6plex [N-Term]; 1×Deamidated [Q2(100)]; 1×Phospho [S6(100)]	Q2(Deamidated): 100; S6(Phospho): 100	S(6): 100.0; T(13): 0.0	GKLQELAsPPAGRPT	S6;	High	2068.078971					1	1	15.41	Low	1	2.991765022	High	0.3311	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1124	0.59	7.52	GEFSAsPMLK	1	1	1	0	2×TMT6plex [N-Term; K10]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(4): 0.0; S(6): 100.0	DRGEFSAsPMLKSGM	S6;	High	1604.815953					1	1	15.4	Low	0.2667	3.396591902	High	0.0824	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_001273540.1	85021	557636683	REPS1	ralBP1-associated Eps domain-containing protein 1 isoform c [Homo sapiens]	S143	1.61	1.09	KGsVSHDTVQPR	1	4	1	1	2ｦTMT6plex [N-Term; K]; 1ｦPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0; T(8): 0.0	RGQVKKGsVSHDTVQ	S3;	High	1848.973333					1	1	15.33	Low	0.3333	3.797232389	High	0.1632	Yes
NP_001268382.1	53615	527498244	MBD3	methyl-CpG-binding domain protein 3 isoform 1 [Homo sapiens]	S85	2.18	2.14	VRYDsSNQVK	1	2	1	1	2ｦTMT6plex [N-Term; K10]; 1ｦPhospho [S5(100)]	S5(Phospho): 99.99	Y(3): 0.0; S(5): 100.0; S(6): 0.0	RQRVRYDsSNQVKGK	S5;	High	1733.898771					1	1	15.29	Low	0.4667	4.174926758	High	0.0911	Yes
NP_055912.2	23122	333440449	CLASP2	CLIP-associating protein 2 isoform 1 [Homo sapiens]	S561	0.84	0.71	SSSSsQESLNRPFSSK	1	2	2	0	2ｦTMT6plex [N-Term; K16]; 1ｦPhospho [S5(98.6)]	S5(Phospho): 98.57	S(1): 0.0; S(2): 0.0; S(3): 0.0; S(4): 1.4; S(5): 98.6; S(8): 0.0; S(14): 0.0; S(15): 0.0	SDRSSSSsQESLNRP	S5;	High	2266.111676					1	1	15.29	Low	0.3333	4.090789795	High	0.0171	No
NP_000928.1	5430	4505939	POLR2A	DNA-directed RNA polymerase II subunit RPB1 [Homo sapiens]	S1913; S1920	1.18	1.42	YSPTsPTYSPTsPK	1	1	1	0	2ｦTMT6plex [N-Term; K14]; 2ｦPhospho [S5(98.1); S12(100)]	S5(Phospho): 98.09; S12(Phospho): 100	Y(1): 0.0; S(2): 0.0; T(4): 0.0; S(5): 98.1; T(7): 1.9; Y(8): 0.0; S(9): 0.0; T(11): 0.0; S(12): 100.0	SPKYSPTsPTYSPTS;SPTYSPTsPKYSPTS	S5; S12;	High	2130.980191					1	1	15.27	Low	0.4667	4.148016453	High	0.1566	Yes;Yes
NP_001289958.1	11187	732663005	PKP3	plakophilin-3 isoform PKP3b [Homo sapiens]	S195; S198	0.97	0.82	ADYDTLsLRsLR	1	2	1	1	1ｦTMT6plex [N-Term]; 2ｦPhospho [S7(100); S10(100)]	S7(Phospho): 99.97; S10(Phospho): 100	Y(3): 0.0; T(5): 0.0; S(7): 100.0; S(10): 100.0	RADYDTLsLRSLRLG;YDTLSLRsLRLGPGG	S7; S10;	High	1798.833912					1	1	15.26	Low	0.6667	3.13637805	High	0.1624	No;No
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	S194	1.38	0.9	VVNGAAASQPPsKR	1	1	1	1	2ｦTMT6plex [N-Term; K13]; 2ｦDeamidated [N3(100); Q9(100)]; 1ｦPhospho [S12(100)]	N3(Deamidated): 100; Q9(Deamidated): 100; S12(Phospho): 100	S(8): 0.0; S(12): 100.0	AAASQPPsKRKRRWD	S12;	High	1922.014864					1	1	15.24	Low	1	3.390351772	High	0.3835	Yes
NP_057562.3	51530	66348045	ZC3HC1	nuclear-interacting partner of ALK isoform 1 [Homo sapiens]	S24	1.57	0.99	NWGAVVRsPEGTPQK	1	2	1	1	2ｦTMT6plex [N-Term; K15]; 1ｦPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0; T(12): 0.0	NWGAVVRsPEGTPQK	S8;	High	2164.131624					1	1	15.22	Low	0.7333	3.329448938	High	0.2222	Yes
NP_006603.2	10749	40254834	KIF1C	kinesin-like protein KIF1C [Homo sapiens]	S1092	1.52	0.65	sAPDLKESGAAV	1	1	1	1	2ｦTMT6plex [N-Term; K6]; 1ｦPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(8): 0.0	PRMRRQRsAPDLKES	S1;	High	1682.876638					1	1	15.14	Low	1	3.688784838	High	0.458	Yes
NP_065943.2	113878	156564380	DTX2	probable E3 ubiquitin-protein ligase DTX2 isoform a [Homo sapiens]	S236	3.74	3.1	TAsVFGTHQAFAPYNKPSLSGAR	1	2	2	0	2ｦTMT6plex [N-Term; K16]; 1ｦPhospho [S3(100)]	S3(Phospho): 99.96	T(1): 0.0; S(3): 100.0; T(7): 0.0; Y(14): 0.0; S(18): 0.0; S(20): 0.0	HPPHRTAsVFGTHQA	S3;	High	2945.507513					1	1	15.12	Low	0.2	5.951133728	High	0.0437	Yes
NP_940953.2	375056	122891870	MIA3	melanoma inhibitory activity protein 3 isoform 1 precursor [Homo sapiens]	S876	0.99	0.95	TSGLAGEPEGELsKEDHENTEK	1	1	1	1	3ｦTMT6plex [N-Term; K14; K22]; 1ｦPhospho [S13(100)]	S13(Phospho): 100	T(1): 0.0; S(2): 0.0; S(13): 100.0; T(20): 0.0	GEPEGELsKEDHENT	S13;	High	3124.529044					1	1	15.12	Low	0.2667	4.885344505	High	0.2086	Yes
NP_001354.1	1736	4503337	DKC1	H/ACA ribonucleoprotein complex subunit 4 isoform 1 [Homo sapiens]	S485; S494	1.3	0.91	AGLEsGAEPGDGDsDTTKK	1	2	1	1	3ｦTMT6plex [N-Term; K18; K19]; 2ｦPhospho [S5(100); S14(99.9)]	S5(Phospho): 100; S14(Phospho): 99.94	S(5): 100.0; S(14): 99.9; T(16): 0.1; T(17): 0.0	KAKAGLEsGAEPGDG;AEPGDGDsDTTKKKK	S5; S14;	High	2682.251564					1	1	15.11	Low	0.5333	3.240278959	High	0.5679	Yes;Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S696	1.29	1.01	APQTSSsPPPVRR	1	3	4	1	1ｦTMT6plex [N-Term]; 1ｦPhospho [S7(98.1)]	S7(Phospho): 99.97	T(4): 0.0; S(5): 0.0; S(6): 0.0; S(7): 100.0	RAPQTSSsPPPVRRG	S7;	High	1688.86825	5.11	7.61	13.2	15.5	4	4	15.08	Low	0.1333	4.482325077	High	0.0915	Yes
NP_001290203.1	47	740086846	ACLY	ATP-citrate synthase isoform 3 [Homo sapiens]	S509	2.52	1.18	TAsFSESRADEVAPAK	1	4	1	1	2ｦTMT6plex [N-Term; K16]; 1ｦPhospho [S3(100)]	S3(Phospho): 99.99	T(1): 0.0; S(3): 100.0; S(5): 0.0; S(7): 0.0	PAPSRTAsFSESRAD	S3;	High	2204.100049					1	1	15.07	Low	0.2667	3.828248024	High	0.0731	No
NP_001295076.1	26030	815890885	PLEKHG3	pleckstrin homology domain-containing family G member 3 [Homo sapiens]	S618	0.29	0.55	RSsVAQEDSK	1	1	1	1	2ｦTMT6plex [N-Term; K10]; 1ｦPhospho [S3(100)]	S3(Phospho): 100	S(2): 0.0; S(3): 100.0; S(9): 0.0	SSFSRRSsVAQEDSK	S3;	High	1644.835836					1	1	15.05	Low	0.2667	2.865858078	High	0.0523	Yes
NP_071900.2	64324	19923586	NSD1	histone-lysine N-methyltransferase, H3 lysine-36 and H4 lysine-20 specific isoform b [Homo sapiens]	S2471	0.63	1.31	AAsPHQVTPQADEK	1	2	1	0	2ｦTMT6plex [N-Term; K14]; 1ｦPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(8): 0.0	RQKERAAsPHQVTPQ	S3;	High	2017.015591					1	1	14.97	Low	1	2.832692862	High	0.4276	Yes
NP_001104490.1	6829	161169023	SUPT5H	transcription elongation factor SPT5 isoform a [Homo sapiens]	S671	1.43	0.5	ISsPMHPSAGGQR	1	2	2	0	1ｦTMT6plex [N-Term]; 1ｦOxidation [M5(100)]; 1ｦPhospho [S3(98)]	S3(Phospho): 98; M5(Oxidation): 100	S(2): 2.0; S(3): 98.0; S(8): 0.0	PMSPRISsPMHPSAG	S3;	High	1649.766822					1	1	14.96	Low	1	3.946724415	High	0.0481	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	497; S1499; S1	1.48	0.58	sRsPSsPELNNK	1	1	1	1	2ｦTMT6plex [N-Term; K12]; 3ｦPhospho [S1(100); S3(100); S6(100)]	S1(Phospho): 99.95; S3(Phospho): 99.95; S6(Phospho): 99.95	S(1): 100.0; S(3): 100.0; S(5): 0.2; S(6): 100.0	PQTPRPRsRSPSSPE;TPRPRSRsPSSPELN;PRSRSPSsPELNNKC	S1; S3; S6;	High	2013.884925					1	1	14.94	Low	0.4	3.654870033	High	0.0548	Yes;Yes;Yes
NP_000201.2	3655	119395742	ITGA6	integrin alpha-6 isoform b precursor [Homo sapiens]	S1064	1.72	1.53	AEIHAQPsDKER	1	1	1	1	2ｦTMT6plex [N-Term; K10]; 1ｦPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0	AEIHAQPsDKERLTS	S8;	High	1918.978812					1	1	14.94	Low	1	3.603283644	High	0.625	Yes
NP_005602.3	5934	172072597	RBL2	retinoblastoma-like protein 2 [Homo sapiens]	S662	0.89	0.99	SITsPTTLYDR	1	1	1	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S4(96)]	S4(Phospho): 95.97	S(1): 0.0; T(3): 1.3; S(4): 96.0; T(6): 1.3; T(7): 1.3; Y(9): 0.0	GLGRSITsPTTLYDR	S4;	High	1562.76647					1	1	14.93	Low	0.2667	2.597835064	High	0.0808	Yes
NP_062565.2	56288	21361831	PARD3	partitioning defective 3 homolog isoform 1 [Homo sapiens]	S973	1.34	1.14	ESVSTASDQPSHsLER	1	11	1	0	1ｦTMT6plex [N-Term]; 1ｦDeamidated [Q9(100)]; 1ｦPhospho [S13(100)]	Q9(Deamidated): 100; S13(Phospho): 100	S(2): 0.0; S(4): 0.0; T(5): 0.0; S(7): 0.0; S(11): 0.0; S(13): 100.0	ASDQPSHsLERQMNG	S13;	High	2039.912025					1	1	14.91	Low	0.1333	3.755757332	High	0.1543	Yes
NP_054862.1	29126	7661534	CD274	programmed cell death 1 ligand 1 isoform a precursor [Homo sapiens]	S283	0.8	0.79	KQsDTHLEET	1	2	1	1	2ｦTMT6plex [N-Term; K]; 1ｦPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(5): 0.0; T(10): 0.0	DTNSKKQsDTHLEET	S3;	High	1725.846067					1	1	14.85	Low	0.2667	2.844003201	High	0.2535	Yes
NP_001026902.1	91746	72534750	YTHDC1	YTH domain-containing protein 1 isoform 1 [Homo sapiens]	S146	1.1	1.01	AKsPTPDGSER	1	2	1	1	2ｦTMT6plex [N-Term; K2]; 1ｦPhospho [S3(100)]	S3(Phospho): 98.72	S(3): 98.7; T(5): 1.3; S(9): 0.0	DPERRAKsPTPDGSE	S3;	High	1682.851486					1	1	14.83	Low	0.6	2.815284729	High	0.1773	Yes
NP_056342.3	26000	167614488	TBC1D10B	TBC1 domain family member 10B [Homo sapiens]	T148	0.57	0.69	TEEARPSPAPGPGtPTGTPTR	1	1	1	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [T14(98.4)]	T14(Phospho): 98.43	T(1): 0.0; S(7): 0.0; T(14): 98.4; T(16): 1.6; T(18): 0.0; T(20): 0.0	SPAPGPGtPTGTPTR	T14;	High	2386.160134					1	1	14.81	Low	0.5333	2.817627192	High	0.0213	Yes
NP_874365.3	23513	355390313	SCRIB	protein scribble homolog isoform a [Homo sapiens]	S1285	1.37	1.37	ALAAVPSAGSVQRVPsGAAGGK	1	2	1	1	2ｦTMT6plex [N-Term; K22]; 1ｦPhospho [S16(100)]	S16(Phospho): 100	S(7): 0.0; S(10): 0.0; S(16): 100.0	GSVQRVPsGAAGGKM	S16;	High	2489.364143					1	1	14.8	Low	0.1333	3.633433342	High	0.2176	Yes
NP_008987.2	11129	133922600	CLASRP	CLK4-associating serine/arginine rich protein isoform 1 [Homo sapiens]	S547	1.92	1.86	LTRPAAsPAVGEK	1	2	1	0	2ｦTMT6plex [N-Term; K13]; 1ｦPhospho [S7(100)]	S7(Phospho): 100	T(2): 0.0; S(7): 100.0	KLTRPAAsPAVGEKL	S7;	High	1835.01922					1	1	14.73	Low	0.6667	3.987626553	High	0.2431	Yes
NP_078916.3	79693	58761510	YRDC	yrdC domain-containing protein, mitochondrial precursor [Homo sapiens]	S37	2.23	1.67	LFRPPsPAPAAPGAR	1	1	1	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	GRLFRPPsPAPAAPG	S6;	High	1813.96757					1	1	14.73	Low	1	3.604548454	High	0.6667	Yes
NP_003007.2	6427	47271443	SRSF2	serine/arginine-rich splicing factor 2 [Homo sapiens]	S189; S191	0.71	1.88	sRsPPPVSK	1	1	1	1	2ｦTMT6plex [N-Term; K9]; 2ｦPhospho [S1(100); S3(100)]	S1(Phospho): 100; S3(Phospho): 100	S(1): 100.0; S(3): 100.0; S(8): 0.0	RSRSRSRsRSPPPVS;RSRSRSRsPPPVSKR	S1; S3;	High	1572.795232					1	1	14.68	Low	0.4	3.761170387	High	0.6436	Yes;Yes
NP_056132.1	23369	13491168	PUM2	pumilio homolog 2 isoform 1 [Homo sapiens]	S178; S182	1	1.14	TPGsRQAsPTEVVER	1	4	1	1	1ｦTMT6plex [N-Term]; 2ｦPhospho [S4(100); S8(100)]	S4(Phospho): 100; S8(Phospho): 99.96	T(1): 0.0; S(4): 100.0; S(8): 100.0; T(10): 0.0	DFNRTPGsRQASPTE;TPGSRQAsPTEVVER	S4; S8;	High	2002.919767					1	1	14.6	Low	0.2	3.869233847	High	0.1111	Yes;Yes
NP_056073.1	23307	150010552	FKBP15	FK506-binding protein 15 [Homo sapiens]	S979	0.66	1.04	ERPEsPMVPSEQVVEEAVPLPPQALTTSQDGHR	1	1	1	0	1ｦTMT6plex [N-Term]; 1ｦOxidation [M7(100)]; 1ｦPhospho [S5(100)]	S5(Phospho): 99.99; M7(Oxidation): 100	S(5): 100.0; S(10): 0.0; T(26): 0.0; T(27): 0.0; S(28): 0.0	LNRERPEsPMVPSEQ	S5;	High	3935.904777					1	1	14.57	Low	0.6	5.651307583	High	0.1097	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1320; S1329	0.92	1.43	ELSNsPLRENSFGsPLEFR	1	1	1	1	1ｦTMT6plex [N-Term]; 2ｦPhospho [S5(97.1); S14(97.1)]	S5(Phospho): 97.06; S14(Phospho): 97.06	S(3): 2.9; S(5): 97.1; S(11): 2.9; S(14): 97.1	EHKELSNsPLRENSF;LRENSFGsPLEFRNS	S5; S14;	High	2568.173415					1	1	14.54	Low	0.2	4.795815468	High	0.1458	Yes;Yes
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S496	2.14	0.77	ETQsPEQVKSEK	1	3	1	1	3ｦTMT6plex [N-Term; K9; K12]; 1ｦPhospho [S4(98.7)]	S4(Phospho): 98.74	T(2): 1.3; S(4): 98.7; S(10): 0.0	TVKKETQsPEQVKSE	S4;	High	2157.140741					1	1	14.5	Low	1	3.606247902	High	0.1524	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S353	0.84	0.68	SATRPSPsPER	1	1	2	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S8(100)]	S8(Phospho): 100	S(1): 0.0; T(3): 0.0; S(6): 0.0; S(8): 100.0	SATRPSPsPERSSTG	S8;	High	1493.731088	30.36	27.65	37.2	26.9	2	2	14.48	Low	0.5	3.398592234	High	0.1235	Yes
NP_003600.2	8479	21396500	HIRIP3	HIRA-interacting protein 3 isoform 1 [Homo sapiens]	S125	1.75	0.96	NGVAAEVsPAKEENPR	1	1	1	1	2ｦTMT6plex [N-Term; K11]; 1ｦDeamidated [N1(100)]; 1ｦPhospho [S8(100)]	N1(Deamidated): 100; S8(Phospho): 100	S(8): 100.0	NGVAAEVsPAKEENP	S8;	High	2207.110949					1	1	14.46	Low	1	3.357663631	High	0.506	Yes
NP_005852.2	10273	56181387	STUB1	E3 ubiquitin-protein ligase CHIP isoform a [Homo sapiens]	S19	1.44	1.21	LGAGGGsPEKSPSAQELK	1	1	2	1	3ｦTMT6plex [N-Term; K10; K18]; 1ｦPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; S(11): 0.0; S(13): 0.0	RLGAGGGsPEKSPSA	S7;	High	2480.33648	6.94	4.15	14.2	7.1	2	2	14.44	Low	0.5	4.784102917	High	0.1046	Yes
NP_998754.1	65059	47132519	RAPH1	ras-associated and pleckstrin homology domains-containing protein 1 isoform 1 [Homo sapiens]	S571	16.05	8.09	SQsIVSSVFSEAWKR	1	2	1	1	2ｦTMT6plex [N-Term; K14]; 1ｦPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; S(6): 0.0; S(7): 0.0; S(10): 0.0	AGHVRSQsIVSSVFS	S3;	High	2249.173155					1	1	14.43	Low	0.3571	3.213489771	High	0.1589	Yes
NP_060644.4	55201	50428935	MAP1S	microtubule-associated protein 1S isoform 1 [Homo sapiens]	S640	1.14	2.01	ALELPLAASSIPRPRTPsPESHR	1	2	2	1	1ｦTMT6plex [N-Term]; 2ｦPhospho [S18(96.8); S/T]	S10(Phospho): 49.23; T16(Phospho): 49.23; S18(Phospho): 96.82	S(9): 1.6; S(10): 49.2; T(16): 49.2; S(18): 96.8; S(21): 3.1	IPRPRTPsPESHRSP	S18;	High	2871.448074					1	1	14.37	Low	0.1429	4.739390373	High	0.1034	Yes
NP_115593.3	26057	38683807	ANKRD17	ankyrin repeat domain-containing protein 17 isoform a [Homo sapiens]	S2401	1.51	2.05	APsPAPSSVPLGSEKPSNVSQDR	1	3	1	0	2ｦTMT6plex [N-Term; K15]; 1ｦPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(7): 0.0; S(8): 0.0; S(13): 0.0; S(17): 0.0; S(20): 0.0	SSGVRAPsPAPSSVP	S3;	High	2845.449723					1	1	14.36	Low	1	3.190851927	High	0.3292	Yes
NP_065825.1	57534	30348954	MIB1	E3 ubiquitin-protein ligase MIB1 [Homo sapiens]	S416	1.25	0.81	VASAGSAISNASGERLsQLLK	1	1	1	1	2ｦTMT6plex [N-Term; K21]; 1ｦPhospho [S17(98.2)]	S17(Phospho): 98.16	S(3): 0.0; S(6): 0.0; S(9): 0.0; S(12): 1.8; S(17): 98.2	NASGERLsQLLKKLF	S17;	High	2597.406402					1	1	14.34	Low	0.1429	4.155258179	High	0.0913	Yes
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S914	0.59	0.66	GsPVPPVPER	1	1	1	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0	AYPERRGsPVPPVPE	S2;	High	1343.692183					1	1	14.34	Low	1	2.740977287	High	0.4927	Yes
NP_060731.2	55763	30410720	EXOC1	exocyst complex component 1 isoform 1 [Homo sapiens]	S470	0.64	0.68	LTGsTSSLNK	1	2	1	0	2ｦTMT6plex [N-Term; K10]; 2ｦPhospho [S4(100); T/S]	S4(Phospho): 99.99; T5(Phospho): 33.34; S6(Phospho): 33.34; S7(Phospho): 33.34	T(2): 0.0; S(4): 100.0; T(5): 33.3; S(6): 33.3; S(7): 33.3	SSGKLTGsTSSLNKL	S4;	High	1625.795291					1	1	14.29	Low	0.0714	3.12930274	High	0.0639	Yes
NP_004578.2	6238	110611220	RRBP1	ribosome-binding protein 1 [Homo sapiens]	S185	1.45	1.13	NTDVAQsPEAPKQEAPAK	1	1	1	1	3ｦTMT6plex [N-Term; K12; K18]; 1ｦPhospho [S7(100)]	S7(Phospho): 100	T(2): 0.0; S(7): 100.0	RNTDVAQsPEAPKQE	S7;	High	2648.389973					1	1	14.25	Low	0.9286	3.70015502	High	0.2297	No
NP_002366.2	4134	47519639	MAP4	microtubule-associated protein 4 isoform 1 [Homo sapiens]	S941	1.19	1.44	VGsTENIK	1	2	1	0	2ｦTMT6plex [N-Term; K8]; 1ｦPhospho [S3(99.4)]	S3(Phospho): 99.36	S(3): 99.4; T(4): 0.6	NVRSKVGsTENIKHQ	S3;	High	1385.744168					1	1	14.22	Low	0.4286	2.876669407	High	0.1493	Yes
NP_001026971.1	3985	73390140	LIMK2	LIM domain kinase 2 isoform 1 [Homo sapiens]	S268	1	0.88	SNsISKSPGPSSPK	1	3	1	1	3ｦTMT6plex [N-Term; K6; K14]; 1ｦPhospho [S3(100)]	S3(Phospho): 99.98	S(1): 0.0; S(3): 100.0; S(5): 0.0; S(7): 0.0; S(11): 0.0; S(12): 0.0	RSLRRSNsISKSPGP	S3;	High	2140.161811					1	1	14.17	Low	0.4286	3.062798262	High	0.1601	No
NP_005707.1	10755	5031715	GIPC1	PDZ domain-containing protein GIPC1 isoform 1 [Homo sapiens]	T238	0.76	1.36	SAGGRPGSGPQLGtGR	1	2	2	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [T14(100)]	T14(Phospho): 100	S(1): 0.0; S(8): 0.0; T(14): 100.0	GSGPQLGtGRGTLRL	T14;	High	1763.875126	67.24	0.4	82.9	0.8	2	2	14.15	Low	0.7857	3.267135382	High	0.3547	Yes
NP_001253968.1	51574	388490152	LARP7	la-related protein 7 isoform 2 [Homo sapiens]	S268	0.79	0.82	SRPTSEGsDIESTEPQK	1	2	1	0	2ｦTMT6plex [N-Term; K17]; 2ｦPhospho [S8(100); T/S]	T4(Phospho): 49.45; S5(Phospho): 49.45; S8(Phospho): 100	S(1): 1.1; T(4): 49.5; S(5): 49.5; S(8): 100.0; S(12): 0.0; T(13): 0.0	SRPTSEGsDIESTEP	S8;	High	2466.120266					1	1	14.14	Low	0.0714	5.305666447	High	0.1073	No
NP_002130.2	27316	56699409	RBMX	RNA-binding motif protein, X chromosome isoform 1 [Homo sapiens]	S88	1.61	1.3	AIKVEQATKPsFESGR	1	1	1	1	3ｦTMT6plex [N-Term; K3; K9]; 1ｦPhospho [S11(100)]	S11(Phospho): 99.98	T(8): 0.0; S(11): 100.0; S(14): 0.0	VEQATKPsFESGRRG	S11;	High	2515.38885					1	1	14.08	Low	0.7143	4.026075363	High	0.134	Yes
NP_005372.2	4691	55956788	NCL	nucleolin [Homo sapiens]	S563	1.92	0.94	LELQGPRGsPNAR	1	1	2	1	1ｦTMT6plex [N-Term]; 2ｦDeamidated [Q4(100); N11(100)]; 1ｦPhospho [S9(100)]	Q4(Deamidated): 100; S9(Phospho): 100; N11(Deamidated): 100	S(9): 100.0	ELQGPRGsPNARSQP	S9;	High	1705.847181	3.99	14.77	10.8	19.9	2	2	14.06	Low	1	3.887795687	High	0.545	Yes
NP_001119522.1	3068	186928819	HDGF	hepatoma-derived growth factor isoform b [Homo sapiens]	S181	2.26	1.05	AGDLLEDsPKRPK	1	3	1	1	3ｦTMT6plex [N-Term; K10; K13]; 1ｦPhospho [S8(100)]	S8(Phospho): 100	S(8): 100.0	AGDLLEDsPKRPKEA	S8;	High	2193.224745					1	1	14.03	Low	1	3.302491903	High	0.5364	No
NP_066565.1	4836	10835073	NMT1	glycylpeptide N-tetradecanoyltransferase 1 [Homo sapiens]	S47	1.02	0.79	GGLsPANDTGAKK	1	1	1	1	3ｦTMT6plex [N-Term; K12; K13]; 1ｦPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(9): 0.0	SYNRGGLsPANDTGA	S4;	High	1983.087918					1	1	13.98	Low	1	3.793156147	High	0.3905	Yes
NP_115812.1	283489	41281612	CHAMP1	chromosome alignment-maintaining phosphoprotein 1 [Homo sapiens]	S282	1.42	1.34	KPsPSESPEPWKPFPAVSPEPR	1	1	1	0	3ｦTMT6plex [N-Term; K12; K]; 1ｦPhospho [S3(100)]	S3(Phospho): 99.97	S(3): 100.0; S(5): 0.0; S(7): 0.0; S(18): 0.0	SPEPRKPsPSESPEP	S3;	High	3213.695262					1	1	13.95	Low	0.1429	6.137036324	High	0.0912	Yes
NP_001014437.1	833	62240992	CARS	cysteine--tRNA ligase, cytoplasmic isoform c [Homo sapiens]	S102	1.05	1.15	RVQPQWsPPAGTQPCR	1	4	1	1	1ｦTMT6plex [N-Term]; 1ｦCarbamidomethyl [C15]; 1ｦPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0; T(12): 0.0	RRVQPQWsPPAGTQP	S7;	High	2174.052773					1	1	13.93	Low	1	3.638767004	High	0.4478	No
NP_055097.2	22927	157676331	HABP4	intracellular hyaluronan-binding protein 4 [Homo sapiens]	S108	0.89	1.3	SLPAPVAQRPDsPGGGLQAPGQK	1	1	1	0	2ｦTMT6plex [N-Term; K23]; 1ｦPhospho [S12(100)]	S12(Phospho): 100	S(1): 0.0; S(12): 100.0	PVAQRPDsPGGGLQA	S12;	High	2766.470399					1	1	13.91	Low	0.2143	4.907313824	High	0.2281	Yes
NP_061029.2	55425	33354279	GPALPP1	GPALPP motifs-containing protein 1 [Homo sapiens]	S105	1.51	1.45	QDDsPPRPIIGPALPPGFIK	1	1	2	0	2ｦTMT6plex [N-Term; K20]; 1ｦPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	GFKKQDDsPPRPIIG	S4;	High	2653.451895	0.53	3.3	1.1	6.8	2	2	13.9	Low	1	4.501215935	High	0.6578	No
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1124	1.18	1.07	QDRGEFSAsPMLK	1	1	1	1	2ｦTMT6plex [N-Term; K13]; 1ｦOxidation [M11(100)]; 1ｦPhospho [S9(100)]	S9(Phospho): 100; M11(Oxidation): 100	S(7): 0.0; S(9): 100.0	DRGEFSAsPMLKSGM	S9;	High	2019.997499					1	1	13.87	Low	0.5	4.279325962	High	0.2757	Yes
NP_001269030.1	10413	530788252	YAP1	yorkie homolog isoform 9 [Homo sapiens]	S344	1.66	0.89	NINPSTANsPK	1	5	1	0	2ｦTMT6plex [N-Term; K11]; 1ｦPhospho [S9(100)]	S9(Phospho): 100	S(5): 0.0; T(6): 0.0; S(9): 100.0	INPSTANsPKCQELA	S9;	High	1680.872222					1	1	13.87	Low	0.2143	2.839381695	High	0.2676	No
NP_001171914.1	65125	296939600	WNK1	serine/threonine-protein kinase WNK1 isoform 4 [Homo sapiens]	S2632	1.59	1.25	SIsNPPGSNLR	1	4	1	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; S(8): 0.0	SNLQKSIsNPPGSNL	S3;	High	1450.725274					1	1	13.87	Low	0.7857	2.59636116	High	0.3154	No
NP_115517.1	84081	14149807	NSRP1	nuclear speckle splicing regulatory protein 1 isoform 1 [Homo sapiens]	S291	0.66	0.41	SQNHSRsPSEER	1	2	1	1	1ｦTMT6plex [N-Term]; 1ｦPhospho [S7(100)]	S7(Phospho): 99.95	S(1): 0.0; S(5): 0.0; S(7): 100.0; S(9): 0.0	RSQNHSRsPSEERGH	S7;	High	1722.775806					1	1	13.86	Low	0.4286	4.015207767	High	0.092	Yes
NP_001139013.1	55346	224493847	TCP11L1	T-complex protein 11-like protein 1 [Homo sapiens]	S56	0.91	0.84	VQRPHSsPPR	1	1	4	0	1ｦTMT6plex [N-Term]; 1ｦPhospho [S7(98.7)]	S7(Phospho): 98.67	S(6): 1.3; S(7): 98.7	RVQRPHSsPPRFVTV	S7;	High	1469.757577	10.38	49.33	13.5	64.2	2	2	13.86	Low	1	3.378164768	High	0.0207	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_001273510.1	57661	557440888	PHRF1	PHD and RING finger domain-containing protein 1 isoform 1 [Homo sapiens]	S1034	0.74	0.94	SAsPSVGEERPR	1	4	1	0	1×TMT6plex [N-Term]; 1×Phospho [S3(98.4)]	S3(Phospho): 98.44	S(1): 1.5; S(3): 98.4; S(5): 0.0	DRSSRSAsPSVGEER	S3;	High	1580.763116					1	1	13.86	Low	0.1429	3.109057188	High	0.0579	Yes
NP_055131.2	23589	109715858	CARHSP1	calcium-regulated heat stable protein 1 [Homo sapiens]	S41	0.96	0.87	GNVVPsPLPTRR	1	1	1	1	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; T(10): 0.0	LRGNVVPsPLPTRRT	S6;	High	1601.872607					1	1	13.82	Low	0.6429	3.512017012	High	0.2336	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1483	1.36	0.78	GRSECDSsPEPK	1	1	2	1	2×TMT6plex [N-Term; K12]; 1×Carbamidomethyl [C5]; 1×Phospho [S8(98.8)]	S8(Phospho): 98.85	S(3): 0.0; S(7): 1.2; S(8): 98.9	GRSECDSsPEPKALP	S8;	High	1886.871964					1	1	13.81	Low	0.5714	2.864569664	High	0.0175	Yes
NP_002366.2	4134	47519639	MAP4	microtubule-associated protein 4 isoform 1 [Homo sapiens]	S787	1.23	0.93	RAsPSKPASAPASR	1	2	1	1	2×TMT6plex [N-Term; K6]; 1×Phospho [S3(100)]	S3(Phospho): 99.98	S(3): 100.0; S(5): 0.0; S(9): 0.0; S(13): 0.0	KAPEKRAsPSKPASA	S3;	High	1921.042081					1	1	13.8	Low	0.2857	4.480051041	High	0.1228	Yes
NP_055563.1	9784	7661890	SNX17	sorting nexin-17 isoform 1 [Homo sapiens]	S409	0.77	2.22	SDsQQAVK	1	4	1	0	2×TMT6plex [N-Term; K8]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0	GTLRRSDsQQAVKSP	S3;	High	1400.718681					1	1	13.78	Low	0.9286	2.695206404	High	0.137	Yes
NP_777567.1	151987	28372531	PPP4R2	serine/threonine-protein phosphatase 4 regulatory subunit 2 [Homo sapiens]	S226	0.26	1.28	EANLQQNEEKNHSDSSTSESEVSSVsPLK	1	1	1	1	3×TMT6plex [N-Term; K10; K29]; 1×Phospho [S26(100)]	S26(Phospho): 100	S(13): 0.0; S(15): 0.0; S(16): 0.0; T(17): 0.0; S(18): 0.0; S(20): 0.0; S(23): 0.0; S(24): 0.0; S(26): 100.0	ESEVSSVsPLKNKHP	S26;	High	3927.906389					1	1	13.77	Low	0.8571	5.720766544	High	0.1224	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S377; S398	2.6	0.62	HGGsPQPLATTPLSQEPVNPPSEAsPTR	1	1	1	0	1×TMT6plex [N-Term]; 1×Deamidated [Q15(97.2)]; 2×Phospho [S4(100); S25(94.6)]	S4(Phospho): 100; Q15(Deamidated): 97.23; S25(Phospho): 94.61	S(4): 100.0; T(10): 0.0; T(11): 0.0; S(14): 0.0; S(22): 2.7; S(25): 94.6; T(27): 2.7	LAERHGGsPQPLATT;VNPPSEAsPTRDRSP	S4; S25;	High	3242.496934					1	1	13.75	Low	0.2143	2.814206362	High	0.0249	Yes;Yes
NP_892017.2	359948	116734704	IRF2BP2	interferon regulatory factor 2-binding protein 2 isoform A [Homo sapiens]	S175	1.36	0.81	LEEPPELNRQsPNPR	1	2	1	1	1×TMT6plex [N-Term]; 1×Phospho [S11(100)]	S11(Phospho): 100	S(11): 100.0	PPELNRQsPNPRRGH	S11;	High	2085.032749					1	1	13.69	Low	0.8571	3.533394814	High	0.5127	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S402	1.04	1.37	HRPsPPATPPPK	1	3	1	0	2×TMT6plex [N-Term; K12]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(8): 0.0	PRRRHRPsPPATPPP	S4;	High	1819.998425					1	1	13.69	Low	0.6429	2.859702826	High	0.2622	Yes
NP_061146.1	55901	8923894	THSD1	thrombospondin type-1 domain-containing protein 1 isoform 1 precursor [Homo sapiens]	S791	0.44	0.61	VSSLsPSQCR	1	2	1	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C9]; 1×Phospho [S5(100)]	S5(Phospho): 99.99	S(2): 0.0; S(3): 0.0; S(5): 100.0; S(7): 0.0	YQRVSSLsPSQCRKD	S5;	High	1429.670796					1	1	13.64	Low	0.0714	2.718683004	High	0.0551	No
NP_005958.1	4665	5174607	NAB2	NGFI-A-binding protein 2 [Homo sapiens]	S6	1.05	0.69	APsPTAEQPPGGGDSARR	1	1	1	1	1×TMT6plex [N-Term]; 1×Phospho [S3(97.9)]	S3(Phospho): 97.92	S(3): 97.9; T(5): 2.1; S(15): 0.0	_MHRAPsPTAEQPP	S3;	High	2059.975962					1	1	13.62	Low	0.1429	3.318851471	High	0.1205	Yes
NP_940983.2	376940	118766347	ZC3H6	zinc finger CCCH domain-containing protein 6 [Homo sapiens]	S1158	0.87	0.69	QPGQGsPTPDNDPGRETDDK	1	1	2	1	2×TMT6plex [N-Term; K20]; 1×Phospho [S6(100)]	S6(Phospho): 99.96	S(6): 100.0; T(8): 0.0; T(17): 0.0	ARQPGQGsPTPDNDP	S6;	High	2649.219389					1	1	13.6	Low	0.2143	3.207736015	High	0.0093	Yes
NP_001139488.1	93643	225690487	TJAP1	tight junction-associated protein 1 isoform a [Homo sapiens]	T422	1.69	1.32	AFVDRtPPPAAVAQR	1	2	1	1	1×TMT6plex [N-Term]; 1×Phospho [T6(100)]	T6(Phospho): 100	T(6): 100.0	QRAFVDRtPPPAAVA	T6;	High	1904.994513					1	1	13.58	Low	0.3571	4.07131052	High	0.4521	Yes
NP_878913.2	11259	109659845	FILIP1L	filamin A-interacting protein 1-like isoform 1 [Homo sapiens]	S791	0.67	0.59	RIsDPQVFSK	1	5	1	1	2×TMT6plex [N-Term; K10]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(9): 0.0	SLNGRRIsDPQVFSK	S3;	High	1714.929343					1	1	13.56	Low	0.8571	3.339744568	High	0.521	Yes
NP_056990.3	51592	74027249	TRIM33	E3 ubiquitin-protein ligase TRIM33 isoform alpha [Homo sapiens]	S862	1.23	0.78	QSGLSSLVNGKsPIR	1	2	1	1	2×TMT6plex [N-Term; K11]; 1×Deamidated [N9(100)]; 1×Phospho [S12(100)]	N9(Deamidated): 100; S12(Phospho): 100	S(2): 0.0; S(5): 0.0; S(6): 0.0; S(12): 100.0	SSLVNGKsPIRSLMH	S12;	High	2082.136041					1	1	13.55	Low	0.5714	3.154416084	High	0.3587	Yes
NP_056342.3	26000	167614488	TBC1D10B	TBC1 domain family member 10B [Homo sapiens]	T148; T152	0.62	0.63	TEEARPSPAPGPGtPTGtPTR	1	1	2	0	1×TMT6plex [N-Term]; 2×Phospho [T14(99.9); T18(99.9)]	T14(Phospho): 99.94; T18(Phospho): 99.94	T(1): 0.0; S(7): 0.0; T(14): 99.9; T(16): 0.1; T(18): 99.9; T(20): 0.1	SPAPGPGtPTGTPTR;GPGTPTGtPTRTPSR	T14; T18;	High	2466.126465					1	1	13.53	Low	0.0714	3.155550718	High	0.0032	Yes;Yes
NP_001288789.1	64900	687170345	LPIN3	phosphatidate phosphatase LPIN3 [Homo sapiens]	S412	1.94	2.07	RWsEPSSQK	1	1	1	1	2×TMT6plex [N-Term; K9]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; S(7): 0.0	GLGARRWsEPSSQKS	S3;	High	1642.835442					1	1	13.52	Low	0.4286	3.382005215	High	0.3077	No
NP_055205.2	27044	77404397	SND1	staphylococcal nuclease domain-containing protein 1 [Homo sapiens]	S150	0.77	0.73	ANNPEQNRLsECEEQAK	1	1	1	1	2×TMT6plex [N-Term; K17]; 1×Carbamidomethyl [C12]; 1×Phospho [S10(100)]	S10(Phospho): 100	S(10): 100.0	NPEQNRLsECEEQAK	S10;	High	2555.196151					1	1	13.45	Low	1	3.543477535	High	0.6186	Yes
NP_001163887.1	9414	282165810	TJP2	tight junction protein ZO-2 isoform 3 [Homo sapiens]	T1058	1.64	0.98	SNPSAVAGNEtPGASTK	1	3	1	0	2×TMT6plex [N-Term; K17]; 1×Deamidated [N9(100)]; 1×Phospho [T11(100)]	N9(Deamidated): 100; T11(Phospho): 100	S(1): 0.0; S(4): 0.0; T(11): 100.0; S(15): 0.0; T(16): 0.0	SAVAGNEtPGASTKG	T11;	High	2127.037115					1	1	13.43	Low	1	2.984776497	High	0.245	No
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S696	2.21	0.53	APQTSSsPPPVRR	1	3	2	1	1×TMT6plex [N-Term]; 1×Deamidated [Q3(100)]; 1×Phospho [S7(100)]	Q3(Deamidated): 100; S7(Phospho): 99.96	T(4): 0.0; S(5): 0.0; S(6): 0.0; S(7): 100.0	RAPQTSSsPPPVRRG	S7;	High	1689.852266	13.14	139.71	42.8	140.1	2	2	13.38	Low	0.2308	4.12511158	High	0.0944	Yes
NP_060757.4	94134	26986534	ARHGAP12	rho GTPase-activating protein 12 isoform 1 [Homo sapiens]	T231; S240	0.4	1.59	ATtPPNQGRPDsPVYANLQELK	1	6	1	0	2×TMT6plex [N-Term; K22]; 2×Phospho [T3(97.8); S12(100)]	T3(Phospho): 97.75; S12(Phospho): 100	T(2): 2.3; T(3): 97.8; S(12): 100.0; Y(15): 0.0	TEQIRATtPPNQGRP;PNQGRPDsPVYANLQ	T3; S12;	High	3014.478989					1	1	13.36	Low	0.3846	3.914158344	High	0.1739	Yes;Yes
NP_008841.2	5930	33620769	RBBP6	E3 ubiquitin-protein ligase RBBP6 isoform 1 [Homo sapiens]	S360	1.35	0.35	NLQPLMRsPISR	1	2	1	1	1×TMT6plex [N-Term]; 1×Oxidation [M6(100)]; 1×Phospho [S8(100)]	M6(Oxidation): 100; S8(Phospho): 100	S(8): 100.0; S(11): 0.0	NLQPLMRsPISRQQD	S8;	High	1736.908007					1	1	13.34	Low	0.4615	3.323228359	High	0.1837	Yes
NP_005111.2	9968	110347429	MED12	mediator of RNA polymerase II transcription subunit 12 [Homo sapiens]	S635	0.83	1.23	GDLAFGAPGPRPPsPFDDPADDPEHK	1	1	1	0	2×TMT6plex [N-Term; K26]; 1×Phospho [S14(100)]	S14(Phospho): 100	S(14): 100.0	APGPRPPsPFDDPAD	S14;	High	3240.540329					1	1	13.33	Low	1	5.276527882	High	0.536	Yes
NP_001185730.1	8672	311771714	EIF4G3	eukaryotic translation initiation factor 4 gamma 3 isoform 1 [Homo sapiens]	S1192	0.45	0.58	GGsSKDLLDNQSQEEQR	1	3	2	1	2×TMT6plex [N-Term; K5]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; S(4): 0.0; S(12): 0.0	NTFMRGGsSKDLLDN	S3;	High	2429.170982					1	1	13.32	Low	0.0769	3.172959805	High	0.0095	No
NP_065789.1	57498	55741641	KIDINS220	kinase D-interacting substrate of 220 kDa [Homo sapiens]	S882; S885	1.02	0.33	RVsQNsLGEMTK	1	1	1	1	2×TMT6plex [N-Term; K12]; 1×Oxidation [M10(100)]; 2×Phospho [S3(100); S6(100)]	S3(Phospho): 100; S6(Phospho): 100; M10(Oxidation): 100	S(3): 100.0; S(6): 100.0; T(11): 0.0	EDADRRVsQNSLGEM;DRRVSQNsLGEMTKL	S3; S6;	High	1983.937615					1	1	13.3	Low	0.9231	3.702527761	High	0.5054	Yes;Yes
NP_031385.2	22794	15721939	CASC3	protein CASC3 [Homo sapiens]	S265	1.61	1.5	YGsPPQRDPNWNGER	1	1	1	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	Y(1): 0.0; S(3): 100.0	IRKPRYGsPPQRDPN	S3;	High	2081.939183					1	1	13.25	Low	1	2.834379911	High	0.1837	Yes
NP_758961.1	1997	27363484	ELF1	ETS-related transcription factor Elf-1 isoform a [Homo sapiens]	S334	0.82	0.98	VSSsPGVK	1	2	1	0	2×TMT6plex [N-Term; K8]; 1×Phospho [S4(100)]	S4(Phospho): 100	S(2): 0.0; S(3): 0.0; S(4): 100.0	SRSRVSSsPGVKGGA	S4;	High	1298.71214					1	1	13.24	Low	0.2308	2.940090895	High	0.0782	Yes
NP_001138230.1	23187	221219024	PHLDB1	pleckstrin homology-like domain family B member 1 isoform a [Homo sapiens]	S404	1.46	1.65	IGTLQDRPPsPFREPPGSER	1	2	2	1	1×TMT6plex [N-Term]; 1×Phospho [S10(100)]	S10(Phospho): 100	T(3): 0.0; S(10): 100.0; S(18): 0.0	TLQDRPPsPFREPPG	S10;	High	2545.276167	14.88	15.34	31.6	36.9	2	2	13.22	Low	1	5.793691158	High	0.1796	Yes
NP_065764.1	57473	34013528	ZNF512B	zinc finger protein 512B [Homo sapiens]	S665	1.32	1.04	SEHTAPPPEEPTDKsPEAEDPLGVER	1	1	2	1	2×TMT6plex [N-Term; K14]; 1×Phospho [S15(97.9)]	S15(Phospho): 97.87	S(1): 0.0; T(4): 0.0; T(12): 2.1; S(15): 97.9	PEEPTDKsPEAEDPL	S15;	High	3352.598631					1	1	13.22	Low	0.5385	5.491704464	High	0.0182	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S738; S740	1.58	0.95	KAAsPsPQSVR	1	3	1	1	2×TMT6plex [N-Term; K]; 1×Deamidated [Q8(100)]; 2×Phospho [S4(100); S6(100)]	S4(Phospho): 100; S6(Phospho): 100; Q8(Deamidated): 100	S(4): 100.0; S(6): 100.0; S(9): 0.0	KKIKKAAsPSPQSVR;IKKAASPsPQSVRRV	S4; S6;	High	1746.859289					1	1	13.2	Low	0.0769	3.048558474	High	0.2361	Yes;Yes
NP_001099008.1	10514	157694494	MYBBP1A	myb-binding protein 1A isoform 1 [Homo sapiens]	S11	1.2	2.32	DPAQPMsPGEATQSGARPADR	1	2	1	0	1×TMT6plex [N-Term]; 1×Oxidation [M6(100)]; 1×Phospho [S7(100)]	M6(Oxidation): 100; S7(Phospho): 100	S(7): 100.0; T(12): 0.0; S(14): 0.0	RDPAQPMsPGEATQS	S7;	High	2464.112532					1	1	13.09	Low	0.7692	3.202262402	High	0.1344	Yes
NP_002366.2	4134	47519639	MAP4	microtubule-associated protein 4 isoform 1 [Homo sapiens]	S787	1.26	0.96	AsPSKPASAPASR	1	2	3	0	2×TMT6plex [N-Term; K5]; 1×Phospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; S(4): 0.0; S(8): 0.0; S(12): 0.0	KAPEKRAsPSKPASA	S2;	High	1764.94097	1.45	11.74	2.6	16	2	2	13.08	Low	0.1538	3.396348	High	0.0353	Yes
NP_001073922.2	26173	160948599	INTS1	integrator complex subunit 1 [Homo sapiens]	T83	1.62	0.66	LSStPPLSALGR	1	1	2	0	1×TMT6plex [N-Term]; 1×Phospho [T4(100)]	T4(Phospho): 99.99	S(2): 0.0; S(3): 0.0; T(4): 100.0; S(8): 0.0	KRPKLSStPPLSALG	T4;	High	1507.808276					1	1	13.07	Low	0.0769	2.706548929	High	0.048	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S738; S740; S74	1.27	1.06	KAAsPsPQsVR	1	3	1	1	2×TMT6plex [N-Term; K]; 3×Phospho [S4(100); S6(100); S9(100)]	S4(Phospho): 100; S6(Phospho): 100; S9(Phospho): 100	S(4): 100.0; S(6): 100.0; S(9): 100.0	KKIKKAAsPSPQSVR;IKKAASPsPQSVRRV;AASPSPQsVRRVSSS	S4; S6; S9;	High	1825.841604					1	1	13.05	Low	1	3.099844694	High	0.5548	Yes;Yes;Yes
NP_001265319.1	81539	508083059	SLC38A1	sodium-coupled neutral amino acid transporter 1 isoform 2 [Homo sapiens]	S52	1.33	1.44	RsLTNSHLEK	1	2	1	1	2×TMT6plex [N-Term; K10]; 1×Deamidated [N5(100)]; 1×Phospho [S2(100)]	S2(Phospho): 100; N5(Deamidated): 100	S(2): 100.0; T(4): 0.0; S(6): 0.0	SDRESRRsLTNSHLE	S2;	High	1723.914421					1	1	12.99	Low	0.6923	4.542847157	High	0.0903	Yes
NP_067017.2	7779	52352803	SLC30A1	zinc transporter 1 [Homo sapiens]	S506	1.48	0.79	NMPNKQPESsL	1	1	1	1	2×TMT6plex [N-Term; K5]; 1×Oxidation [M2(100)]; 1×Phospho [S10(100)]	M2(Oxidation): 100; S10(Phospho): 100	S(9): 0.0; S(10): 100.0	PNKQPESsL_	S10;	High	1798.881072					1	1	12.95	Low	0.0769	3.262490749	High	0.1963	Yes
NP_005670.3	9013	341926253	TAF1C	TATA box-binding protein-associated factor RNA polymerase I subunit C isoform 1 [Homo sapiens]	T834	0.51	0.31	DTPGCATtPPHSQASSVR	1	6	1	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C5]; 1×Phospho [T8(100)]	T8(Phospho): 100	T(2): 0.0; T(7): 0.0; T(8): 100.0; S(12): 0.0; S(15): 0.0; S(16): 0.0	DTPGCATtPPHSQAS	T8;	High	2177.984813					1	1	12.94	Low	0.1538	3.03843832	High	0.0822	Yes
NP_001269846.1	57148	544711130	RALGAPB	ral GTPase-activating protein subunit beta isoform 1 [Homo sapiens]	S359	0.85	0.81	SDsAPPTPVNR	1	2	1	0	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; T(7): 0.0	ISRPRSDsAPPTPVN	S3;	High	1449.69364					1	1	12.93	Low	0.3077	2.611899137	High	0.2529	Yes
NP_006658.1	10857	5729875	PGRMC1	membrane-associated progesterone receptor component 1 isoform 1 [Homo sapiens]	S57	1.01	1.06	IVRGDQPAASGDsDDDEPPPLPR	1	2	2	1	1×TMT6plex [N-Term]; 1×Deamidated [Q6(100)]; 1×Phospho [S13(97.7)]	Q6(Deamidated): 100; S13(Phospho): 97.66	S(10): 2.3; S(13): 97.7	QPAASGDsDDDEPPP	S13;	High	2714.2508					1	1	12.92	Low	0.0769	3.538759947	High	0.0311	Yes
NP_004809.2	9416	41327771	DDX23	probable ATP-dependent RNA helicase DDX23 [Homo sapiens]	S14	1.15	0.71	DAsPSKEER	1	1	1	1	2×TMT6plex [N-Term; K6]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0	DKKDRDAsPSKEERK	S3;	High	1556.772173					1	1	12.92	Low	0.4615	2.589745283	High	0.1853	Yes
NP_006357.1	10486	5453593	CAP2	adenylyl cyclase-associated protein 2 [Homo sapiens]	S312	2.55	1.39	SHTPSPTsPK	1	1	1	0	2×TMT6plex [N-Term; K10]; 1×Phospho [S8(100)]	S8(Phospho): 99.98	S(1): 0.0; T(3): 0.0; S(5): 0.0; T(7): 0.0; S(8): 100.0	SHTPSPTsPKSYPSQ	S8;	High	1576.813644					1	1	12.89	Low	0.4615	3.17641592	High	0.1006	Yes
NP_004629.3	7916	314122241	PRRC2A	protein PRRC2A [Homo sapiens]	S1085; S1092	1.53	1.04	TAsETRSEGsEYEEIPK	1	1	2	1	2×TMT6plex [N-Term; K17]; 3×Phospho [S3(100); S10(100); T/S/Y]	S3(Phospho): 99.96; T5(Phospho): 50; S7(Phospho): 50; S10(Phospho): 100	T(1): 0.0; S(3): 100.0; T(5): 50.0; S(7): 50.0; S(10): 100.0; Y(12): 0.0	APRGRTAsETRSEGS;SETRSEGsEYEEIPK	S3; S10;	High	2611.101913					1	1	12.86	Low	0.3077	3.206947803	High	0.0125	Yes;Yes
NP_002408.3	4288	103472005	MKI67	antigen KI-67 isoform 1 [Homo sapiens]	S1815	0.64	0.78	LDQPGNLPGsNRR	1	2	1	1	1×TMT6plex [N-Term]; 1×Phospho [S10(100)]	S10(Phospho): 100	S(10): 100.0	QPGNLPGsNRRLQTR	S10;	High	1732.869313					1	1	12.84	Low	1	3.51101017	High	0.567	Yes
NP_003578.2	8449	255982614	DHX16	putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX16 isoform 1 [Homo sapiens]	S160	1.22	1.4	QQTEKPEsEDEWER	1	2	1	0	2×TMT6plex [N-Term; K5]; 1×Deamidated [Q2(98.8)]; 1×Phospho [S8(100)]	Q2(Deamidated): 98.8; S8(Phospho): 100	T(3): 0.0; S(8): 100.0	QQTEKPEsEDEWERT	S8;	High	2330.058973					1	1	12.8	Low	0.1538	3.768330097	High	0.0955	Yes
NP_008855.1	6426	5902076	SRSF1	serine/arginine-rich splicing factor 1 isoform 1 [Homo sapiens]	S199	0.59	1.6	VDGPRsPSYGR	1	1	1	1	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(8): 0.0; Y(9): 0.0	VKVDGPRsPSYGRSR	S6;	High	1499.720523					1	1	12.79	Low	0.3077	3.924036026	High	0.1684	Yes
NP_001246.2	991	118402582	CDC20	cell division cycle protein 20 homolog [Homo sapiens]	T106	0.76	1.06	ENQPENSQtPTKK	1	1	1	1	3×TMT6plex [N-Term; K12; K13]; 1×Phospho [T9(100)]	T9(Phospho): 99.98	S(7): 0.0; T(9): 100.0; T(11): 0.0	NQPENSQtPTKKEHQ	T9;	High	2268.184003					1	1	12.73	Low	0.6154	2.984884024	High	0.1913	Yes
NP_009134.1	445815	6005709	PALM2-AKAP2	PALM2-AKAP2 protein isoform 1 [Homo sapiens]	S1083	1.76	4.85	sALALR	1	5	1	0	1×TMT6plex [N-Term]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0	TRVNRRKsALALRWE	S1;	High	939.522599					1	1	12.64	Low		2.646934509	High	0.1849	No
NP_004517.2	4171	33356547	MCM2	DNA replication licensing factor MCM2 [Homo sapiens]	S139	0.7	0.67	GLLYDsDEEDEERPARK	1	1	1	1	2×TMT6plex [N-Term; K17]; 1×Phospho [S6(100)]	S6(Phospho): 100	Y(4): 0.0; S(6): 100.0	RRGLLYDsDEEDEER	S6;	High	2560.233248					1	1	12.58	Low	1	3.589589596	High	0.1058	Yes
NP_065761.1	57470	24308207	LRRC47	leucine-rich repeat-containing protein 47 [Homo sapiens]	S431	0.87	2.84	RQsVSGLHR	1	1	1	1	1×TMT6plex [N-Term]; 1×Phospho [S3(100)]	S3(Phospho): 99.99	S(3): 100.0; S(5): 0.0	RKQKKRQsVSGLHRY	S3;	High	1348.704814					1	1	12.56	Low	0.3077	3.545036316	High	0.2254	Yes
NP_057591.2	51755	157817023	CDK12	cyclin-dependent kinase 12 isoform 1 [Homo sapiens]	S423	0.67	1.23	GsPVFLPR	1	2	1	0	1×TMT6plex [N-Term]; 1×Phospho [S2(100)]	S2(Phospho): 100	S(2): 100.0	DGKESKGsPVFLPRK	S2;	High	1181.628127					1	1	12.55	Low	1	2.688405514	High	0.4833	Yes
NP_079031.2	79811	63176611	SLTM	SAFB-like transcription modulator isoform a [Homo sapiens]	S289	1.06	3.07	DGQDAIAQsPEKESK	1	2	1	1	3×TMT6plex [N-Term; K12; K15]; 1×Deamidated [Q3(100)]; 1×Phospho [S9(100)]	Q3(Deamidated): 100; S9(Phospho): 100	S(9): 100.0; S(14): 0.0	GQDAIAQsPEKESKD	S9;	High	2371.199713					1	1	12.54	Low	0.5385	3.175684214	High	0.2453	Yes
NP_002152.2	3376	94721241	IARS	isoleucine--tRNA ligase, cytoplasmic [Homo sapiens]	S1047	0.65	1.77	APLKPYPVsPSDK	1	1	1	0	3×TMT6plex [N-Term; K4; K13]; 1×Phospho [S9(100)]	S9(Phospho): 99.99	Y(6): 0.0; S(9): 100.0; S(11): 0.0	PLKPYPVsPSDKVLI	S9;	High	2166.217869					1	1	12.46	Low	0.0833	2.97875905	High	0.1074	Yes
NP_001931.2	1822	55750041	ATN1	atrophin-1 [Homo sapiens]	T669	2.24	0.88	TGtPPGYR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [T3(100)]	T3(Phospho): 100	T(1): 0.0; T(3): 100.0; Y(7): 0.0	PPSFRTGtPPGYRGT	T3;	High	1157.555356					1	1	12.43	Low	0.25	2.598029375	High	0.2615	Yes
NP_001512.1	2976	4504205	GTF3C2	general transcription factor 3C polypeptide 2 [Homo sapiens]	S167	1.1	0.94	DLDRPESQsPK	1	1	1	0	2×TMT6plex [N-Term; K11]; 1×Phospho [S9(100)]	S9(Phospho): 100	S(7): 0.0; S(9): 100.0	LDRPESQsPKRPPED	S9;	High	1809.914815					1	1	12.42	Low	0.5	4.068691254	High	0.172	Yes
NP_056308.3	25959	258613875	KANK2	KN motif and ankyrin repeat domain-containing protein 2 isoform 1 [Homo sapiens]	S375	0.64	0.32	ALAMPGRPEsPPVFR	1	2	1	0	1×TMT6plex [N-Term]; 1×Oxidation [M4(100)]; 1×Phospho [S10(100)]	M4(Oxidation): 100; S10(Phospho): 100	S(10): 100.0	AMPGRPEsPPVFRSQ	S10;	High	1949.986985					1	1	12.4	Low	1	4.094546795	High	0.5721	Yes
NP_001138295.1	10260	221307568	DENND4A	C-myc promoter-binding protein isoform 1 [Homo sapiens]	S1632	0.73	0.74	SIsTSGPLDKEDTGR	1	2	1	1	2×TMT6plex [N-Term; K10]; 1×Phospho [S3(100)]	S3(Phospho): 99.95	S(1): 0.0; S(3): 100.0; T(4): 0.1; S(5): 0.0; T(13): 0.0	FPMARSIsTSGPLDK	S3;	High	2101.05785					1	1	12.4	Low	0.5	2.897389412	High	0.0966	No
NP_116114.1	84811	14249338	BUD13	BUD13 homolog isoform 1 [Homo sapiens]	S184; S185	3.08	1.04	HDssDTSPPRR	1	2	1	1	1×TMT6plex [N-Term]; 2×Phospho [S3(99.9); S4(99.9)]	S3(Phospho): 99.93; S4(Phospho): 99.93	S(3): 99.9; S(4): 99.9; T(6): 0.1; S(7): 0.1	PRRIRHDsSDTSPPR;RRIRHDSsDTSPPRR	S3; S4;	High	1643.677746					1	1	12.38	Low	0.1667	2.872798204	High	0.1324	Yes;Yes
NP_001185702.1	5298	311771621	PI4KB	phosphatidylinositol 4-kinase beta isoform 2 [Homo sapiens]	S496	1.38	1.17	RLsEQLAHTPTAFK	1	3	1	1	2×TMT6plex [N-Term; K14]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(9): 0.0; T(11): 0.0	GDIRRRLsEQLAHTP	S3;	High	2137.157111					1	1	12.36	Low	1	5.180849552	High	0.3282	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_005545.1	3853	5031839	KRT6A	keratin, type II cytoskeletal 6A [Homo sapiens]	S37; S41	0.68	0.56	SGFSSVsVSRsR	1	1	1	1	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S7(100); S11(98.2)]	S7(Phospho): 99.96; S11(Phospho): 98.21	S(1): 0.0; S(4): 0.0; S(5): 0.0; S(7): 100.0; S(9): 1.8; S(11): 98.2	RSGFSSVsVSRSRGS;SSVSVSRsRGSGGLG	S7; S11;	High	1644.734533					1	1	12.36	Low	0.0833	2.918221951	High	0.1473	Yes;No
NP_976324.2	389677	118722349	RBM12B	RNA-binding protein 12B [Homo sapiens]	S254	1.21	0.74	SEEHsPPRGINDR	1	1	1	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; S(5): 100.0	LRRSEEHsPPRGIND	S5;	High	1802.838406					1	1	12.3	Low	1	2.863173962	High	0.3147	Yes
NP_005383.3	5253	117190342	PHF2	lysine-specific demethylase PHF2 [Homo sapiens]	S899; S905	1.22	0.57	KGsDDAPYsPTAR	1	1	1	1	2ﾗTMT6plex [N-Term; K]; 2ﾗPhospho [S3(100); S9(100)]	S3(Phospho): 100; S9(Phospho): 99.97	S(3): 100.0; Y(8): 0.0; S(9): 100.0; T(11): 0.0	RSKKRKGsDDAPYSP;GSDDAPYsPTARVGP	S3; S9;	High	1982.90261					1	1	12.29	Low	1	3.3568573	High	0.4911	Yes;Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S738	1.58	1.18	KAAsPSPQSVR	1	3	1	1	2ﾗTMT6plex [N-Term; K]; 1ﾗDeamidated [Q8(100)]; 1ﾗPhospho [S4(100)]	S4(Phospho): 99.99; Q8(Deamidated): 100	S(4): 100.0; S(6): 0.0; S(9): 0.0	KKIKKAAsPSPQSVR	S4;	High	1666.892958					1	1	12.27	Low	0.9167	3.415670156	High	0.1608	Yes
NP_056079.1	23313	57863293	KIAA0930	uncharacterized protein KIAA0930 isoform a [Homo sapiens]	S356	0.98	1.11	SRsLSGTGR	1	2	1	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(98.7)]	S3(Phospho): 99.97	S(1): 0.0; S(3): 100.0; S(5): 0.0; T(7): 0.0	ATNLRSRsLSGTGRS	S3;	High	1229.620081					1	1	12.23	Low	0.25	3.19802475	High	0.1	No
NP_056272.2	25921	41152072	ZDHHC5	palmitoyltransferase ZDHHC5 [Homo sapiens]	S380	1.02	2.25	GDsLKEPTSIAESSR	1	1	1	1	2ﾗTMT6plex [N-Term; K5]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(8): 0.0; S(9): 0.0; S(13): 0.0; S(14): 0.0	AKLSRGDsLKEPTSI	S3;	High	2115.0735					1	1	12.22	Low	0.8333	3.510059118	High	0.2991	Yes
NP_877963.1	5335	33598946	PLCG1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1 isoform b [Homo sapiens]	S1221	1.73	0.79	IDIFPAKENGDLsPFSGTSLR	1	1	1	1	2ﾗTMT6plex [N-Term; K7]; 1ﾗDeamidated [N9(100)]; 1ﾗPhospho [S13(100)]	N9(Deamidated): 100; S13(Phospho): 100	S(13): 100.0; S(16): 0.0; T(18): 0.0; S(19): 0.0	AKENGDLsPFSGTSL	S13;	High	2803.431948					1	1	12.17	Low	0.25	3.120926619	High	0.1571	Yes
NP_009217.3	11346	40353727	SYNPO	synaptopodin isoform A [Homo sapiens]	S894	0.36	0.82	RGsLPAEASCTT	1	1	1	1	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C10]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(9): 0.0; T(11): 0.0; T(12): 0.0	SLRLKRGsLPAEASC	S3;	High	1558.713389					1	1	12.1	Low	1	2.590826035	High	0.4093	Yes
NP_055979.2	23207	221139728	PLEKHM2	pleckstrin homology domain-containing family M member 2 [Homo sapiens]	S264	0.78	1.3	ASTRsPTQR	1	1	1	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(2): 0.0; T(3): 0.0; S(5): 100.0; T(7): 0.0	SSKASTRsPTQRQNP	S5;	High	1312.657195					1	1	12.07	Low	0.8333	2.823815107	High	0.1667	No
NP_002826.3	5782	196114951	PTPN12	tyrosine-protein phosphatase non-receptor type 12 isoform 1 [Homo sapiens]	S435	2.13	1.49	NLsFEIK	1	3	1	0	2ﾗTMT6plex [N-Term; K7]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	KKLERNLsFEIKKVP	S3;	High	1388.75909					1	1	12.03	Low	0.8333	2.606549501	High	0.3372	Yes
NP_872363.1	283149	32698936	BCL9L	B-cell CLL/lymphoma 9-like protein [Homo sapiens]	T989; S991	1.12	0.95	SPQVLGSSLSVRSPtGsPSR	1	1	1	1	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [T15(97.1); S17(99.9)]	T15(Phospho): 97.12; S17(Phospho): 99.9	S(1): 0.0; S(7): 0.0; S(8): 0.0; S(10): 0.0; S(13): 2.9; T(15): 97.1; S(17): 99.9; S(19): 0.1	SLSVRSPtGSPSRLK;SVRSPTGsPSRLKSP	T15; S17;	High	2388.152286					1	1	12.02	Low	0.3333	4.606566429	High	0.1909	Yes;Yes
NP_005392.2	5784	34328899	PTPN14	tyrosine-protein phosphatase non-receptor type 14 [Homo sapiens]	S591	1.03	0.76	YVsGSSPDLVTR	1	1	1	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S3(99.2); S/Y/T]	S3(Phospho): 99.2; S5(Phospho): 50.4; S6(Phospho): 50.4	Y(1): 0.0; S(3): 99.2; S(5): 50.4; S(6): 50.4; T(11): 0.0	SHRHKYVsGSSPDLV	S3;	High	1669.7437					1	1	11.98	Low	0.3333	2.912648439	High	0.0722	Yes
NP_004389.2	1662	13514831	DDX10	probable ATP-dependent RNA helicase DDX10 [Homo sapiens]	S7	1.07	1.66	TANsPGSGARPDPVR	1	1	1	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 99.96	T(1): 0.0; S(4): 100.0; S(7): 0.0	_MGKTANsPGSGARP	S4;	High	1790.874792					1	1	11.97	Low	0.5	2.883826733	High	0.1285	Yes
NP_001138678.1	85379	223633988	KIAA1671	uncharacterized protein KIAA1671 [Homo sapiens]	S1019	1.71	0.83	QGsPVEPK	1	1	1	0	2ﾗTMT6plex [N-Term; K8]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	SPAVKQGsPVEPKAT	S3;	High	1379.733603					1	1	11.97	Low	1	2.87526536	High	0.4687	Yes
NP_001273510.1	57661	557440888	PHRF1	PHD and RING finger domain-containing protein 1 isoform 1 [Homo sapiens]	S1202	1.15	2.91	EAsPAPLAQGEPGREDLPTR	1	4	1	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(19): 0.0	KGAVREAsPAPLAQG	S3;	High	2400.175784					1	1	11.9	Low	1	3.345789194	High	0.4209	Yes
NP_036234.3	473	112382216	RERE	arginine-glutamic acid dipeptide repeats protein isoform a [Homo sapiens]	S656	1.75	0.96	VAsDTEEADRTSSK	1	2	1	1	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.98	S(3): 100.0; T(5): 0.0; T(11): 0.0; S(12): 0.0; S(13): 0.0	RQREKVAsDTEEADR	S3;	High	2033.979265					1	1	11.89	Low	0.5833	2.910926342	High	0.079	Yes
NP_001099008.1	10514	157694494	MYBBP1A	myb-binding protein 1A isoform 1 [Homo sapiens]	S1241	1.07	1.21	SPAPGAPTRsPSTPAK	1	2	1	1	2ﾗTMT6plex [N-Term; K16]; 1ﾗPhospho [S10(98.3)]	S10(Phospho): 98.34	S(1): 0.0; T(8): 1.7; S(10): 98.3; S(12): 0.0; T(13): 0.0	APGAPTRsPSTPAKS	S10;	High	2060.094176					1	1	11.87	Low	0.5	3.992852688	High	0.1228	Yes
NP_001026855.2	7159	112799849	TP53BP2	apoptosis-stimulating of p53 protein 2 isoform 1 [Homo sapiens]	S486	0.74	0.89	KNQsSEDILR	1	2	1	1	2ﾗTMT6plex [N-Term; K]; 1ﾗPhospho [S4(100)]	S4(Phospho): 98.77	S(4): 98.8; S(5): 1.2	GTLRKNQsSEDILRD	S4;	High	1727.909336					1	1	11.84	Low	0.6667	3.035078526	High	0.0526	No
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S914	0.54	1.02	GsPVPPVPERR	1	1	1	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0	AYPERRGsPVPPVPE	S2;	High	1499.793294					1	1	11.82	Low	0.4167	4.154290199	High	0.1952	Yes
NP_006156.2	4798	23346420	NFRKB	nuclear factor related to kappa-B-binding protein isoform 2 [Homo sapiens]	S253	0.82	1.14	SPsPAVPLR	1	2	1	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0	SSPARSPsPAVPLRV	S3;	High	1232.660155					1	1	11.82	Low	0.3333	2.777141094	High	0.1583	No
NP_055816.2	23013	14790190	SPEN	msx2-interacting protein [Homo sapiens]	S736; S740	2.29	0.63	RPQsPGAsPSQAERLPSDSER	1	1	1	1	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S4(100); S8(100)]	S4(Phospho): 100; S8(Phospho): 100	S(4): 100.0; S(8): 100.0; S(10): 0.0; S(17): 0.0; S(19): 0.0	VHLRRPQsPGASPSQ;RPQSPGAsPSQAERL	S4; S8;	High	2641.197004					1	1	11.81	Low	0.0833	4.393507004	High	0.1891	Yes;Yes
NP_003578.2	8449	255982614	DHX16	putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX16 isoform 1 [Homo sapiens]	S160	1.53	1.82	QQTEKPEsEDEWER	1	2	1	0	2ﾗTMT6plex [N-Term; K5]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	T(3): 0.0; S(8): 100.0	QQTEKPEsEDEWERT	S8;	High	2329.074957					1	1	11.81	Low	0.5833	3.48349762	High	0.3506	Yes
NP_001243211.1	3856	372466572	KRT8	keratin, type II cytoskeletal 8 isoform 1 [Homo sapiens]	S52	0.56	1	sYTSGPGSR	1	2	1	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; Y(2): 0.0; T(3): 0.0; S(4): 0.0; S(8): 0.0	PRAFSSRsYTSGPGS	S1;	High	1220.550998					1	1	11.73	Low	0.4167	2.984308481	High	0.1879	No
NP_060537.3	55700	78042577	MAP7D1	MAP7 domain-containing protein 1 isoform 1 [Homo sapiens]	S753	1.82	0.38	AVEARsPGLQK	1	3	1	1	2ﾗTMT6plex [N-Term; K11]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	VKAVEARsPGLQKEA	S6;	High	1693.940242					1	1	11.72	Low	1	2.865857363	High	0.5296	Yes
NP_758961.1	1997	27363484	ELF1	ETS-related transcription factor Elf-1 isoform a [Homo sapiens]	S168	1.04	0.63	YADSPGASsPEQPKR	1	2	2	1	2ﾗTMT6plex [N-Term; K14]; 1ﾗPhospho [S9(98.6)]	S9(Phospho): 98.58	Y(1): 0.0; S(4): 0.0; S(8): 1.4; S(9): 98.6	ADSPGASsPEQPKRK	S9;	High	2128.04762					1	1	11.7	Low	0.5	3.394770622	High	0.0206	Yes
NP_001128342.1	170954	199559805	PPP1R18	phostensin [Homo sapiens]	S195	1.31	1.4	WRLsPGETPER	1	1	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(8): 0.0	EAWKWRLsPGETPER	S4;	High	1636.804587	9.55	18.58	17.9	38.2	2	2	11.68	Low	0.4167	3.287785053	High	0.2584	Yes
NP_036248.3	23624	195927027	CBLC	E3 ubiquitin-protein ligase CBL-C isoform 1 [Homo sapiens]	S461	1.79	0.87	LLKGNsPPAALGPQDPAPA	1	2	1	1	2ﾗTMT6plex [N-Term; K3]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	VRLLKGNsPPAALGP	S6;	High	2352.272869					1	1	11.64	Low	1	4.18473196	High	0.6555	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S908	0.87	1.06	SSTPPRQsPSR	1	1	3	1	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [T3(100); S]	S2(Phospho): 49.44; T3(Phospho): 49.44; S8(Phospho): 97.81	S(1): 1.1; S(2): 49.4; T(3): 49.4; S(8): 97.8; S(10): 2.2	SSTPPRQsPSRSSSP	S8;	High	1588.708318	4.28	4.23	5.2	6.4	2	2	11.64	Low	0.0833	3.588576317	High	0.1337	Yes
NP_003155.2	6811	94400932	STX5	syntaxin-5 isoform 1 [Homo sapiens]	S9	2.35	1.07	YGsKNTDQGVYLGLSK	1	2	2	1	3ﾗTMT6plex [N-Term; K4; K16]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.98	Y(1): 0.0; S(3): 100.0; T(6): 0.0; Y(11): 0.0; S(15): 0.0	IPRKRYGsKNTDQGV	S3;	High	2497.330667					1	1	11.62	Low	0.3333	3.667874813	High	0.0354	Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S85; S88	0.95	0.73	AHsPAsTLPNSPGSTFER	1	1	2	0	1ﾗTMT6plex [N-Term]; 3ﾗPhospho [S3(100); S6(100); S/T]	S3(Phospho): 100; S6(Phospho): 100; S14(Phospho): 50; T15(Phospho): 50	S(3): 100.0; S(6): 100.0; T(7): 0.0; S(11): 0.0; S(14): 50.0; T(15): 50.0	SSYRRAHsPASTLPN;RRAHSPAsTLPNSPG	S3; S6;	High	2324.95524					1	1	11.6	Low	0.1667	3.984527111	High	0.0427	Yes;Yes
NP_077295.1	79169	13236559	C1orf35	multiple myeloma tumor-associated protein 2 [Homo sapiens]	S220	0.66	1.03	RPAEATSSPTsPERPR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(98.7)]	S11(Phospho): 98.68	T(6): 0.0; S(7): 0.0; S(8): 0.0; T(10): 1.3; S(11): 98.7	EATSSPTsPERPRHH	S11;	High	2048.012348					1	1	11.58	Low	0.4167	5.94547081	High	0.0336	Yes
NP_076427.2	79098	145275189	C1orf116	specifically androgen-regulated gene protein isoform 1 [Homo sapiens]	S508	0.39	1.08	TSTsLGK	1	2	1	0	2ﾗTMT6plex [N-Term; K7]; 1ﾗPhospho [S4(99.2)]	S4(Phospho): 99.21	T(1): 0.0; S(2): 0.0; T(3): 0.8; S(4): 99.2	ASPKTSTsLGKGSFL	S4;	High	1231.66994					1	1	11.58	Low	0.75	2.744268894	High	0.1131	No
NP_055662.3	9898	188497758	UBAP2L	ubiquitin-associated protein 2-like isoform a [Homo sapiens]	S609	1.01	2.21	RYPSSISSsPQK	1	4	1	1	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S9(100)]	S9(Phospho): 99.99	Y(2): 0.0; S(4): 0.0; S(5): 0.0; S(7): 0.0; S(8): 0.0; S(9): 100.0	YPSSISSsPQKDLTQ	S9;	High	1874.977749					1	1	11.55	Low	0.1667	3.834092617	High	0.0705	Yes
NP_072096.2	64599	92087055	GIGYF1	PERQ amino acid-rich with GYF domain-containing protein 1 [Homo sapiens]	S157	2.13	1.64	SQsWDDRGER	1	1	1	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0	REIQRSQsWDDRGER	S3;	High	1544.669216					1	1	11.53	Low	0.3333	2.968748093	High	0.1313	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	T916	0.44	0.86	GDHNRtLDR	1	15	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T6(100)]	T6(Phospho): 100	T(6): 100.0	ERGDHNRtLDRSGDL	T6;	High	1392.658257	30.25	13.21	18.9	16.1	2	2	11.52	Low	0.8333	3.170802832	High	0.3533	Yes
NP_078976.2	79753	21314720	SNIP1	smad nuclear-interacting protein 1 [Homo sapiens]	S35	1.37	1.34	QERLsPEVAPPAHR	1	1	1	1	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q1(100)]; 1ﾗPhospho [S5(100)]	Q1(Deamidated): 100; S5(Phospho): 100	S(5): 100.0	VVKQERLsPEVAPPA	S5;	High	1896.953043					1	1	11.48	Low	1	3.62558341	High	0.5399	Yes
NP_055885.3	23091	116008442	ZC3H13	zinc finger CCCH domain-containing protein 13 [Homo sapiens]	S316; S325	0.77	0.31	DKPRsTSPAGQHHsPISSR	1	1	1	1	2ﾗTMT6plex [N-Term; K2]; 3ﾗPhospho [S5(99); S14(100); T/S]	S5(Phospho): 98.97; T6(Phospho): 50.51; S7(Phospho): 50.51; S14(Phospho): 99.95	S(5): 99.0; T(6): 50.5; S(7): 50.5; S(14): 100.0; S(17): 0.1; S(18): 0.0	EKRDKPRsTSPAGQH;SPAGQHHsPISSRHH	S5; S14;	High	2743.25198					1	1	11.46	Low	1	4.697030067	High	0.5809	Yes;Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S484; S486	0.52	2.45	sRsPATAK	1	1	1	1	2ﾗTMT6plex [N-Term; K8]; 2ﾗPhospho [S1(100); S3(100)]	S1(Phospho): 100; S3(Phospho): 100	S(1): 100.0; S(3): 100.0; T(6): 0.0	PSRRMGRsRSPATAK;RRMGRSRsPATAKRG	S1; S3;	High	1435.711168					1	1	11.46	Low	1	2.857584238	High	0.3497	Yes;Yes
NP_001073027.1	221092	118601081	HNRNPUL2	heterogeneous nuclear ribonucleoprotein U-like protein 2 [Homo sapiens]	S185; S188	1.51	2.68	AAEEQGDDQDsEKsKPAGSDGER	1	1	1	1	3ﾗTMT6plex [N-Term; K13; K15]; 2ﾗPhospho [S11(99.9); S14(99.9)]	S11(Phospho): 99.88; S14(Phospho): 99.88	S(11): 99.9; S(14): 99.9; S(19): 0.2	EQGDDQDsEKSKPAG;DDQDSEKsKPAGSDG	S11; S14;	High	3253.450216					1	1	11.43	Low	0.7273	4.975114822	High	0.2169	Yes;Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S683; S685	1.03	0.8	RHsPsPRPR	1	3	1	1	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S3(100); S5(100)]	S3(Phospho): 100; S5(Phospho): 100	S(3): 100.0; S(5): 100.0	PQPNKRHsPSPRPRA;PNKRHSPsPRPRAPQ	S3; S5;	High	1478.698028					1	1	11.41	Low	0.9091	3.00254941	High	0.43	Yes;Yes
NP_982261.2	54812	50409939	AFTPH	aftiphilin isoform a [Homo sapiens]	S382	1.56	1.16	TSDDEVGsPKEESR	1	3	2	1	2ﾗTMT6plex [N-Term; K10]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	T(1): 0.0; S(2): 0.0; S(8): 100.0; S(13): 0.0	TSDDEVGsPKEESRK	S8;	High	2073.97418	2.25	16.73	5	28	2	2	11.38	Low	1	3.25682044	High	0.3436	Yes
NP_000485.3	1308	119829187	COL17A1	collagen alpha-1(XVII) chain [Homo sapiens]	S118	0.47	0.34	HAYEGSSSGNSsPEYPRK	1	1	2	1	2ﾗTMT6plex [N-Term; K18]; 1ﾗPhospho [S12(98.3)]	S12(Phospho): 98.3	Y(3): 0.0; S(6): 0.0; S(7): 0.0; S(8): 0.0; S(11): 1.6; S(12): 98.3; Y(15): 0.0	GSSSGNSsPEYPRKE	S12;	High	2491.165503					1	1	11.36	Low	0.8182	3.135737419	High	0.0223	No
NP_004563.2	5318	148664226	PKP2	plakophilin-2 isoform 2b [Homo sapiens]	S294	1.18	1.2	SSWHQSsFHSTR	1	2	1	0	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S7(95.8); S/T]	S1(Phospho): 50; S2(Phospho): 50; S7(Phospho): 95.84	S(1): 50.0; S(2): 50.0; S(6): 2.1; S(7): 95.8; S(10): 2.1; T(11): 0.1	RSSWHQSsFHSTRTL	S7;	High	1835.746494					1	1	11.33	Low	0.3636	3.275338888	High	0.061	Yes
NP_059344.1	10458	9257197	BAIAP2	brain-specific angiogenesis inhibitor 1-associated protein 2 isoform 1 [Homo sapiens]	T360	0.65	0.51	NSYATTENKtLPR	1	4	1	1	2ﾗTMT6plex [N-Term; K9]; 1ﾗPhospho [T10(100)]	T10(Phospho): 100	S(2): 0.0; Y(3): 0.0; T(5): 0.0; T(6): 0.0; T(10): 100.0	YATTENKtLPRSSSM	T10;	High	2033.046892					1	1	11.32	Low	1	3.389740229	High	0.2242	Yes
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S177	2.12	0.84	AEGEPQEEsPLKSK	1	4	1	1	3ﾗTMT6plex [N-Term; K12; K14]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	S(9): 100.0; S(13): 0.0	EGEPQEEsPLKSKSQ	S9;	High	2296.204069					1	1	11.32	Low	0.5455	3.253675222	High	0.2431	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S2426	0.13	16.66	MTSERAPsPSSR	1	1	1	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	T(2): 0.0; S(3): 0.0; S(8): 100.0; S(10): 0.0; S(11): 0.0	MTSERAPsPSSRMGQ	S8;	High	1614.750837					1	1	11.3	Low	0.5455	3.069035053	High	0.1173	Yes
NP_001006635.1	55114	54860079	ARHGAP17	rho GTPase-activating protein 17 isoform 1 [Homo sapiens]	S676	0.59	0.51	SPsPPTQHTGQPPGQPSAPSQLSAPR	1	2	1	0	1ﾗTMT6plex [N-Term]; 2ﾗDeamidated [Q7(98); Q15(98)]; 1ﾗPhospho [S3(97.9)]	S3(Phospho): 97.92; Q7(Deamidated): 98.01; Q15(Deamidated): 98.01	S(1): 2.0; S(3): 97.9; T(6): 0.0; T(9): 0.0; S(17): 0.0; S(20): 0.0; S(23): 0.0	KPPTRSPsPPTQHTG	S3;	High	2918.388297					1	1	11.29	Low	0.1818	3.016317606	High	0.0828	Yes
NP_694997.2	256364	110227615	EML3	echinoderm microtubule-associated protein-like 3 isoform 3 [Homo sapiens]	S198	1.32	1.49	GGKDPLSsPGGPGSR	1	3	2	1	2ﾗTMT6plex [N-Term; K3]; 1ﾗPhospho [S8(97.6)]	S8(Phospho): 97.63	S(7): 2.4; S(8): 97.6; S(14): 0.0	GGKDPLSsPGGPGSR	S8;	High	1906.978812					1	1	11.28	Low	0.3636	3.345490456	High	0.0299	Yes
NP_002215.2	3710	153945846	ITPR3	inositol 1,4,5-trisphosphate receptor type 3 [Homo sapiens]	S916	1.49	1.68	sIQGVGHMMSTMVLSR	1	1	1	0	1ﾗTMT6plex [N-Term]; 3ﾗOxidation [M8(100); M9(100); M12(100)]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100; M8(Oxidation): 100; M9(Oxidation): 100; M12(Oxidation): 100	S(1): 100.0; S(10): 0.0; T(11): 0.0; S(15): 0.0	GGKNVRRsIQGVGHM	S1;	High	2090.96355					1	1	11.28	Low	1	3.274742603	High	0.5107	Yes
NP_002087.2	2962	156104891	GTF2F1	general transcription factor IIF subunit 1 [Homo sapiens]	T331	0.86	1.93	KAPtPQEK	1	1	1	1	3ﾗTMT6plex [N-Term; K8; K]; 1ﾗPhospho [T4(100)]	T4(Phospho): 100	T(4): 100.0	EEEKKAPtPQEKKRR	T4;	High	1665.954384					1	1	11.27	Low	1	2.943162441	High	0.4626	Yes
NP_005778.1	10195	5031953	ALG3	dol-P-Man:Man(5)GlcNAc(2)-PP-Dol alpha-1,3-mannosyltransferase isoform a [Homo sapiens]	S13	0.91	1.32	SGsAAQAEGLCK	1	1	3	0	2ﾗTMT6plex [N-Term; K12]; 1ﾗCarbamidomethyl [C11]; 1ﾗDeamidated [Q6(100)]; 1ﾗPhospho [S]	S3(Phospho): 100; Q6(Deamidated): 100	S(1): 0.0; S(3): 100.0	RKRGRSGsAAQAEGL	S3;	High	1717.823223	8.72	1.19	11.2	2.2	2	2	11.25	Low	0.9091	3.264385462	High	0.0491	Yes
NP_055726.3	22848	148277037	AAK1	AP2-associated protein kinase 1 [Homo sapiens]	S670; S678	2.64	2.57	SKsATTTPSGsPR	1	1	1	1	2ﾗTMT6plex [N-Term; K2]; 3ﾗPhospho [S3(97.4); S11(99.9); T/S]	S3(Phospho): 97.4; T5(Phospho): 49.37; T6(Phospho): 49.37; S11(Phospho): 99.92	S(1): 2.6; S(3): 97.4; T(5): 49.4; T(6): 49.4; T(7): 1.3; S(9): 0.1; S(11): 99.9	ASLNKSKsATTTPSG;ATTTPSGsPRTSQQN	S3; S11;	High	1974.874026					1	1	11.24	Low	0.4545	2.831551313	High	0.0106	Yes;Yes
NP_001099008.1	10514	157694494	MYBBP1A	myb-binding protein 1A isoform 1 [Homo sapiens]	S1308	1.21	0.93	LSLVIRsPSLLQSGAK	1	2	1	1	2ﾗTMT6plex [N-Term; K16]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(2): 0.0; S(7): 100.0; S(9): 0.0; S(13): 0.0	RLSLVIRsPSLLQSG	S7;	High	2207.292876					1	1	11.21	Low	0.0909	3.197719097	High	0.125	Yes
NP_005461.2	10006	61743942	ABI1	abl interactor 1 isoform a [Homo sapiens]	S319; S323	9.05	5.15	QIsRHNsTTSSTSSGGYR	1	8	1	1	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S3(100); S7(99.9)]	S3(Phospho): 100; S7(Phospho): 99.94	S(3): 100.0; S(7): 99.9; T(8): 0.1; T(9): 0.0; S(10): 0.0; S(11): 0.0; T(12): 0.0; S(13): 0.0; S(14): 0.0; Y(17): 0.0	GTMTRQIsRHNSTTS;RQISRHNsTTSSTSS	S3; S7;	High	2315.001599					1	1	11.19	Low	1	2.947793484	High	0.5458	Yes;Yes
NP_055792.1	22985	7662238	ACIN1	apoptotic chromatin condensation inducer in the nucleus isoform 1 [Homo sapiens]	S657	1.16	0.76	KSLsPGVSR	1	3	1	1	2ﾗTMT6plex [N-Term; K]; 1ﾗPhospho [S4(100)]	S4(Phospho): 99.98	S(2): 0.0; S(4): 100.0; S(8): 0.0	SNSRKSLsPGVSRDS	S4;	High	1468.828901					1	1	11.19	Low	0.6364	2.817794561	High	0.1418	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S675	0.62	2.06	EARsPQPNK	1	3	2	1	2ﾗTMT6plex [N-Term; K9]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	RSTREARsPQPNKRH	S4;	High	1564.824878	6.52	1.48	5.7	4.3	2	2	11.18	Low	1	3.806019068	High	0.5564	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_002579.2	5098	14277675	PCDHGC3	protocadherin gamma-C3 isoform 1 precursor [Homo sapiens]	S780	1.01	1.45	KPGAAsPLASR	1	2	1	0	2ﾗTMT6plex [N-Term; K]; 1ﾗPhospho [S6(100)]	S6(Phospho): 100	S(6): 100.0; S(10): 0.0	LKKPGAAsPLASRQN	S6;	High	1592.892563					1	1	11.13	Low	1	3.698993206	High	0.1	Yes
NP_001271143.1	9320	545746335	TRIP12	E3 ubiquitin-protein ligase TRIP12 isoform a [Homo sapiens]	S354	0.99	0.6	SEsPPAELPSLRR	1	3	1	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.97	S(1): 0.0; S(3): 100.0; S(10): 0.0	STKKRSEsPPAELPS	S3;	High	1747.89413					1	1	11.03	Low	0.4545	3.557057858	High	0.0983	No
NP_008910.2	7922	117553608	SLC39A7	zinc transporter SLC39A7 isoform 1 precursor [Homo sapiens]	S276	1.42	1.18	QSsEEEEKETR	1	2	1	1	2ﾗTMT6plex [N-Term; K8]; 1ﾗPhospho [S3(98.9)]	S3(Phospho): 98.94	S(2): 1.1; S(3): 98.9; T(10): 0.0	STKEKQSsEEEEKET	S3;	High	1889.889388					1	1	11	Low	0.2727	2.884859324	High	0.0486	Yes
NP_003578.2	8449	255982614	DHX16	putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX16 isoform 1 [Homo sapiens]	S160	2.21	0.99	QQTEKPEsEDEWERTER	1	2	1	1	2ﾗTMT6plex [N-Term; K5]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	T(3): 0.0; S(8): 100.0; T(15): 0.0	QQTEKPEsEDEWERT	S8;	High	2715.266339					1	1	10.99	Low	0.9091	3.613851547	High	0.1302	Yes
NP_005917.2	4236	50726968	MFAP1	microfibrillar-associated protein 1 [Homo sapiens]	S116; S118	1.39	1.17	KIVEPEVVGEsDsEVEGDAWR	1	1	1	1	2ﾗTMT6plex [N-Term; K]; 2ﾗPhospho [S11(100); S13(100)]	S11(Phospho): 100; S13(Phospho): 100	S(11): 100.0; S(13): 100.0	EPEVVGEsDSEVEGD;EVVGESDsEVEGDAW	S11; S13;	High	2948.373186					1	1	10.95	Low	1	3.00873971	High	0.5183	Yes;Yes
NP_758961.1	1997	27363484	ELF1	ETS-related transcription factor Elf-1 isoform a [Homo sapiens]	S187	1.05	0.78	TKPPRPDsPATTPNISVK	1	2	1	0	3ﾗTMT6plex [N-Term; K2; K18]; 1ﾗPhospho [S8(99.9)]	S8(Phospho): 99.93	T(1): 0.0; S(8): 99.9; T(11): 0.0; T(12): 0.0; S(16): 0.0	TKPPRPDsPATTPNI	S8;	High	2673.494378					1	1	10.94	Low	0.5455	5.04132843	High	0.1468	Yes
NP_001163887.1	9414	282165810	TJP2	tight junction protein ZO-2 isoform 3 [Homo sapiens]	S275	0.93	1.24	GRsIDQDYER	1	6	1	1	1ﾗTMT6plex [N-Term]; 1ﾗDeamidated [Q6(100)]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100; Q6(Deamidated): 100	S(3): 100.0; Y(8): 0.0	RDRSRGRsIDQDYER	S3;	High	1548.689283					1	1	10.94	Low	1	2.661719799	High	0.4737	No
NP_004783.2	9360	42560244	PPIG	peptidyl-prolyl cis-trans isomerase G [Homo sapiens]	S687	0.64	1.88	DQsPFSK	1	1	1	0	2ﾗTMT6plex [N-Term; K7]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0	KKADRDQsPFSKIKQ	S3;	High	1346.675754					1	1	10.89	Low	0.8182	2.912103653	High	0.2302	Yes
NP_006729.4	11214	31563330	AKAP13	A-kinase anchor protein 13 isoform 1 [Homo sapiens]	S1565	0.84	1.05	RHsWGPGK	1	3	1	1	2ﾗTMT6plex [N-Term; K8]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	LSPFRRHsWGPGKNA	S3;	High	1462.772054					1	1	10.87	Low	1	3.064540386	High	0.5098	Yes
NP_003578.2	8449	255982614	DHX16	putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX16 isoform 1 [Homo sapiens]	S160	1.68	0.98	QQTEKPEsEDEWERTER	1	2	1	1	2ﾗTMT6plex [N-Term; K5]; 1ﾗDeamidated [Q2(98.7)]; 1ﾗPhospho [S8(100)]	Q2(Deamidated): 98.68; S8(Phospho): 100	T(3): 0.0; S(8): 100.0; T(15): 0.0	QQTEKPEsEDEWERT	S8;	High	2716.250355					1	1	10.86	Low	0.0909	2.889255762	High	0.0865	Yes
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S1098	0.8	0.92	SDsLGTQGR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0; T(6): 0.0	SAIFRSDsLGTQGRL	S3;	High	1229.572462					1	1	10.86	Low	1	2.750761032	High	0.0473	No
NP_004630.3	7917	149158692	BAG6	large proline-rich protein BAG6 isoform a [Homo sapiens]	S1117	0.98	0.88	LQEDPNYsPQRFPNAQR	1	4	1	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S8(100)]	S8(Phospho): 100	Y(7): 0.0; S(8): 100.0	LQEDPNYsPQRFPNA	S8;	High	2369.123689					1	1	10.82	Low	0.5455	3.511279821	High	0.0598	Yes
NP_079223.3	80012	148612879	PHC3	polyhomeotic-like protein 3 isoform 1 [Homo sapiens]	S275	1.09	1.1	ISQRDPsPESNK	1	2	1	1	2ﾗTMT6plex [N-Term; K12]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(2): 0.0; S(7): 100.0; S(10): 0.0	KISQRDPsPESNKKG	S7;	High	1895.962828					1	1	10.81	Low	0.6364	2.863273382	High	0.2483	No
NP_005549.2	3898	20070205	LAD1	ladinin-1 [Homo sapiens]	S356	0.5	0.3	IPSKEEEADMSsPTQR	1	1	1	1	2ﾗTMT6plex [N-Term; K4]; 1ﾗOxidation [M10(100)]; 1ﾗDeamidated [Q15(100)]; 1ﾗPhospho [S12(97.3)]	M10(Oxidation): 100; S12(Phospho): 97.28; Q15(Deamidated): 100	S(3): 0.0; S(11): 2.7; S(12): 97.3; T(14): 0.0	EEEADMSsPTQRTYS	S12;	High	2360.109294					1	1	10.78	Low	0.2727	2.825982809	High	0.0318	Yes
NP_004028.3	271	21264318	AMPD2	AMP deaminase 2 isoform 1 [Homo sapiens]	S168	1.7	1.1	QIsQDVKLEPDILLR	1	5	1	1	2ﾗTMT6plex [N-Term; K7]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	QRLERQIsQDVKLEP	S3;	High	2305.29327					1	1	10.77	Low	1	4.094513416	High	0.4279	Yes
NP_001185688.1	100526664	311771583	LY75-CD302	LY75-CD302 fusion protein isoform 1 precursor [Homo sapiens]	S867	0.75	1.27	NKIANIsGDGQK	1	3	1	1	3ﾗTMT6plex [N-Term; K2; K12]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	KNKIANIsGDGQKWW	S7;	High	2012.114467					1	1	10.76	Low	1	3.244744539	High	0.5154	No
NP_060531.2	55119	166235169	PRPF38B	pre-mRNA-splicing factor 38B [Homo sapiens]	S473; S475	0.94	0.62	sGsQGRTDSVEK	1	1	1	1	2ﾗTMT6plex [N-Term; K12]; 2ﾗPhospho [S1(100); S3(100)]	S1(Phospho): 100; S3(Phospho): 100	S(1): 100.0; S(3): 100.0; T(7): 0.0; S(9): 0.0	KSNKRSRsGSQGRTD;NKRSRSGsQGRTDSV	S1; S3;	High	1868.855659					1	1	10.76	Low	0.9091	3.151674986	High	0.5556	Yes;Yes
NP_073568.2	64710	56118310	NUCKS1	nuclear ubiquitous casein and cyclin-dependent kinase substrate 1 [Homo sapiens]	S229; S234; S24	1.66	1.46	TSTSPPPEKsGDEGsEDEAPsGED	1	1	2	1	2ﾗTMT6plex [N-Term; K9]; 3ﾗPhospho [S10(97); S15(100); S21(100)]	S10(Phospho): 96.95; S15(Phospho): 100; S21(Phospho): 100	T(1): 0.0; S(2): 0.1; T(3): 0.1; S(4): 2.9; S(10): 97.0; S(15): 100.0; S(21): 100.0	TSPPPEKsGDEGSED;EKSGDEGsEDEAPSG;GSEDEAPsGED	S10; S15; S21;	High	3103.199514	1.43	15.89	3.4	33.6	2	2	10.75	Low	0.4545	3.393101931	High	0.0708	Yes;Yes;Yes
NP_001248340.1	6433	387157914	SFSWAP	splicing factor, suppressor of white-apricot homolog isoform 1 [Homo sapiens]	S886	1.15	0.96	VSRsPGASR	1	2	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 99.97	S(2): 0.0; S(4): 100.0; S(8): 0.0	TAYRVSRsPGASRKR	S4;	High	1225.625166	1.77	5.79	2.9	7.9	2	2	10.74	Low	0.3636	2.897331715	High	0.1172	No
NP_001163887.1	9414	282165810	TJP2	tight junction protein ZO-2 isoform 3 [Homo sapiens]	S194	1.57	1.13	SRLNsHGGR	1	6	1	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; S(5): 100.0	SERSRLNsHGGRSRS	S5;	High	1292.642213					1	1	10.7	Low	1	3.430587769	High	0.4985	No
NP_061330.2	55971	32171238	BAIAP2L1	brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 1 [Homo sapiens]	T276	0.42	0.26	DYDtLSK	1	1	1	0	2ﾗTMT6plex [N-Term; K7]; 1ﾗPhospho [T4(100)]	T4(Phospho): 100	Y(2): 0.0; T(4): 100.0; S(6): 0.0	VVRKDYDtLSKCSPK	T4;	High	1379.685984					1	1	10.69	Low	1	2.864998341	High	0.2063	Yes
NP_006303.4	9612	331284178	NCOR2	nuclear receptor corepressor 2 isoform 1 [Homo sapiens]	S939	0.89	0.79	LLsPRPSLLTPTGDPR	1	3	1	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(7): 0.0; T(10): 0.0; T(12): 0.0	GDKNRLLsPRPSLLT	S3;	High	2029.104457					1	1	10.67	Low	0.1818	3.013260126	High	0.1827	Yes
NP_073605.4	64783	47933339	RBM15	putative RNA-binding protein 15 isoform 1 [Homo sapiens]	S700	1.37	1.02	LLLERPsPIRDR	1	2	1	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	RLLLERPsPIRDRRG	S7;	High	1773.993785					1	1	10.59	Low	1	3.310926914	High	0.5438	Yes
NP_000968.2	6137	15431297	RPL13	60S ribosomal protein L13 isoform 1 [Homo sapiens]	S140	1.35	1.13	KGDSsAEELK	1	3	1	1	3ﾗTMT6plex [N-Term; K10; K]; 1ﾗPhospho [S5(100)]	S5(Phospho): 99.99	S(4): 0.0; S(5): 100.0	APKKGDSsAEELKLA	S5;	High	1830.981721					1	1	10.57	Low	1	2.983989477	High	0.0671	Yes
NP_036364.2	284119	42734430	PTRF	polymerase I and transcript release factor [Homo sapiens]	S127	1.11	0.78	TVRGsLER	1	1	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	T(1): 0.0; S(5): 100.0	NVKTVRGsLERQAGQ	S5;	High	1226.645567	1.56	0.88	2.5	1	2	2	10.54	Low	0.2727	3.042415142	High	0.4408	Yes
NP_003655.3	8546	32484979	AP3B1	AP-3 complex subunit beta-1 isoform 1 [Homo sapiens]	S276	0.79	1.37	NFYEsDDDQKEK	1	2	1	1	3ﾗTMT6plex [N-Term; K10; K12]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	Y(3): 0.0; S(5): 100.0	NGKNFYEsDDDQKEK	S5;	High	2285.094185					1	1	10.51	Low	0.4545	3.304845333	High	0.1	Yes
NP_055062.1	9693	7657261	RAPGEF2	rap guanine nucleotide exchange factor 2 [Homo sapiens]	S1022	0.7	0.78	SETsPVAPR	1	1	2	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(99.1)]	S4(Phospho): 99.09	S(1): 0.0; T(3): 0.9; S(4): 99.1	KPVKSETsPVAPRAG	S4;	High	1252.613599					1	1	10.5	Low	0.4	3.192681789	High	0.0188	Yes
NP_001278893.1	4301	634743290	MLLT4	afadin isoform 4 [Homo sapiens]	S1756	4.4	1.22	LFsQGQDVSNKVK	1	2	1	1	3ﾗTMT6plex [N-Term; K11; K13]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(9): 0.0	KERQRLFsQGQDVSN	S3;	High	2217.224745					1	1	10.5	Low	1	3.173885345	High	0.2271	No
NP_064543.3	56915	47174864	EXOSC5	exosome complex component RRP46 [Homo sapiens]	S20	1.21	0.95	AENGTGSsPRGPGCSLR	1	1	1	1	1ﾗTMT6plex [N-Term]; 1ﾗCarbamidomethyl [C14]; 1ﾗDeamidated [N3(100)]; 1ﾗPhospho [S8(96.5)]	N3(Deamidated): 100; S8(Phospho): 96.53	T(5): 0.0; S(7): 1.7; S(8): 96.5; S(15): 1.7	AENGTGSsPRGPGCS	S8;	High	2012.905835					1	1	10.47	Low	0.4	3.169513702	High	0.0505	Yes
NP_001093634.1	9749	154354968	PHACTR2	phosphatase and actin regulator 2 isoform 1 [Homo sapiens]	S533	3.63	2.48	RLsQRPTTEELEQR	1	4	1	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(7): 0.0; T(8): 0.0	TKLVRRLsQRPTTEE	S3;	High	2052.043648					1	1	10.46	Low	0.9	3.362047672	High	0.1905	No
NP_005110.2	9967	167234419	THRAP3	thyroid hormone receptor-associated protein 3 [Homo sapiens]	S248	0.89	1.49	ERsPALK	1	1	2	1	2ﾗTMT6plex [N-Term; K7]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	ELSPRERsPALKSPL	S3;	High	1338.754673	2.25	0.18	2.8	0.4	2	2	10.46	Low	0.5	3.056298256	High	0.232	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S683	0.63	1.08	RHsPSPRPR	1	3	1	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(5): 0.0	PQPNKRHsPSPRPRA	S3;	High	1398.731697					1	1	10.42	Low	1	2.996906996	High	0.22	Yes
NP_001138230.1	23187	221219024	PHLDB1	pleckstrin homology-like domain family B member 1 isoform a [Homo sapiens]	T516; S520	0.75	0.69	tRSPsPTLGESLAPHK	1	2	1	1	2ﾗTMT6plex [N-Term; K16]; 2ﾗPhospho [T1(99.9); S5(99.9)]	T1(Phospho): 99.94; S5(Phospho): 99.94	T(1): 99.9; S(3): 0.1; S(5): 99.9; T(7): 0.1; S(11): 0.0	LGARGRRtRSPSPTL;GRRTRSPsPTLGESL	T1; S5;	High	2296.150385					1	1	10.37	Low	0.1	5.005534649	High	0.0758	Yes;Yes
NP_071919.2	64398	38570142	MPP5	MAGUK p55 subfamily member 5 isoform 1 [Homo sapiens]	S53	1.1	0.8	sAQLER	1	2	1	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0	RMMPIRRsAQLERIR	S1;	High	1012.502592					1	1	10.37	Low	0.3	2.842184067	High	0.2359	Yes
NP_116259.2	25957	154146193	PNISR	arginine/serine-rich protein PNISR [Homo sapiens]	S601	1.01	1.43	SNRNsIER	1	1	1	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; S(5): 100.0	RRRSNRNsIERERRR	S5;	High	1284.625895					1	1	10.33	Low	0.1	3.546077728	High	0.4366	Yes
NP_006266.2	6431	20127499	SRSF6	serine/arginine-rich splicing factor 6 [Homo sapiens]	S314; S316	1.76	1.3	sVsPPPKR	1	1	2	1	2ﾗTMT6plex [N-Term; K7]; 2ﾗPhospho [S1(100); S3(100)]	S1(Phospho): 100; S3(Phospho): 100	S(1): 100.0; S(3): 100.0	VPPSKARsVSPPPKR;PSKARSVsPPPKRAT	S1; S3;	High	1485.763203	4.51	1.76	11.2	3.2	2	2	10.32	Low	1	2.980096579	High	0.4631	Yes;Yes
NP_006727.2	3300	27151736	DNAJB2	dnaJ homolog subfamily B member 2 isoform b [Homo sapiens]	S313	0.33	0.85	RSPsPEEK	1	1	1	1	2ﾗTMT6plex [N-Term; K8]; 1ﾗPhospho [S4(99.4)]	S4(Phospho): 99.38	S(2): 0.6; S(4): 99.4	EATKRSPsPEEKASR	S4;	High	1467.760881					1	1	10.32	Low	0.3	2.789542437	High	0.1398	Yes
NP_149079.2	85369	56790935	STRIP1	striatin-interacting protein 1 isoform 1 [Homo sapiens]	S335	1.57	0.46	AAsPPASASDLIEQQQKR	1	2	2	1	2ﾗTMT6plex [N-Term; K17]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.98	S(3): 100.0; S(7): 0.0; S(9): 0.0	IRNMRAAsPPASASD	S3;	High	2435.269574					1	1	10.3	Low	0.3	3.602389336	High	0.0056	Yes
NP_005076.3	8021	33946327	NUP214	nuclear pore complex protein Nup214 [Homo sapiens]	S666	1.42	0.68	SAQGSSSPVPSMVQKsPR	1	1	1	1	2ﾗTMT6plex [N-Term; K15]; 1ﾗOxidation [M12(100)]; 1ﾗPhospho [S16(97.6)]	M12(Oxidation): 100; S16(Phospho): 97.63	S(1): 0.0; S(5): 0.0; S(6): 0.0; S(7): 0.0; S(11): 2.4; S(16): 97.6	VPSMVQKsPRITPPA	S16;	High	2384.204531					1	1	10.28	Low	1	3.42131114	High	0.1111	Yes
NP_005875.1	10298	5031975	PAK4	serine/threonine-protein kinase PAK 4 isoform 1 [Homo sapiens]	T207	0.79	0.74	LAAGRPFNtYPR	1	1	1	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [T9(100)]	T9(Phospho): 100	T(9): 100.0; Y(10): 0.0	AAGRPFNtYPRADTD	T9;	High	1671.856957					1	1	10.2	Low	1	3.212788582	High	0.1277	Yes
NP_005549.2	3898	20070205	LAD1	ladinin-1 [Homo sapiens]	S394	0.15	9.71	SAsMKLPDNTVK	1	1	1	1	3ﾗTMT6plex [N-Term; K5; K12]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99	S(1): 0.0; S(3): 100.0; T(10): 0.0	TTLTRSAsMKLPDNT	S3;	High	2058.12734					1	1	10.14	Low	0.2	3.254071474	High	0.0677	Yes
NP_004563.2	5318	148664226	PKP2	plakophilin-2 isoform 2b [Homo sapiens]	S313	0.88	0.56	EAGPSVAVDSsGRR	1	2	2	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S11(97.9)]	S11(Phospho): 97.91	S(5): 0.0; S(10): 2.1; S(11): 97.9	PSVAVDSsGRRAHLT	S11;	High	1696.821694					1	1	10.13	Low	0.3	3.259993792	High	0.0245	No
NP_001001520.1	84717	48255931	HDGFRP2	hepatoma-derived growth factor-related protein 2 isoform 1 [Homo sapiens]	S652	1.28	1.27	EGPDLDRPGsDRQER	1	2	1	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100	S(10): 100.0	PDLDRPGsDRQERER	S10;	High	2035.939577					1	1	9.98	Low	1	3.389742136	High	0.4572	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S2702; S2706	0.94	0.87	RRPsPQPsPR	1	1	1	1	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S4(100); S8(100)]	S4(Phospho): 100; S8(Phospho): 100	S(4): 100.0; S(8): 100.0	PVERRRPsPQPSPRD;RRPSPQPsPRDQQSS	S4; S8;	High	1566.750458					1	1	9.97	Low	1	3.482331038	High	0.523	Yes;Yes
NP_001185702.1	5298	311771621	PI4KB	phosphatidylinositol 4-kinase beta isoform 2 [Homo sapiens]	S294	1.99	1.12	TAsNPKVENEDEPVR	1	1	1	1	2ﾗTMT6plex [N-Term; K6]; 1ﾗPhospho [S3(100)]	S3(Phospho): 100	T(1): 0.0; S(3): 100.0	SNLKRTAsNPKVENE	S3;	High	2223.105863					1	1	9.95	Low	0.4	3.631754875	High	0.0964	Yes
NP_001092872.1	8812	150417989	CCNK	cyclin-K [Homo sapiens]	S324	0.85	0.61	KPsPQPSSPR	1	1	1	0	2ﾗTMT6plex [N-Term; K]; 1ﾗDeamidated [Q5(100)]; 2ﾗPhospho [S3(100); S]	S3(Phospho): 100; Q5(Deamidated): 100; S7(Phospho): 50; S8(Phospho): 50	S(3): 100.0; S(7): 50.0; S(8): 50.0	AQQPKKPsPQPSSPR	S3;	High	1699.822175					1	1	9.94	Low	0.5	3.256136417	High	0.0982	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S2702	0.96	0.69	RRPsPQPSPR	1	1	1	1	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(8): 0.0	PVERRRPsPQPSPRD	S4;	High	1486.784127					1	1	9.93	Low	1	3.370743275	High	0.3086	Yes
NP_001078927.1	1500	146231940	CTNND1	catenin delta-1 isoform 1ABC [Homo sapiens]	S920	0.67	0.69	TLDRsGDLGDMEPLK	1	15	1	1	2ﾗTMT6plex [N-Term; K15]; 1ﾗOxidation [M11(100)]; 1ﾗPhospho [S5(100)]	S5(Phospho): 100; M11(Oxidation): 100	T(1): 0.0; S(5): 100.0	HNRTLDRsGDLGDME	S5;	High	2201.092521					1	1	9.92	Low	0.2	3.58395195	High	0.2151	Yes
NP_079526.1	80727	51100978	TTYH3	protein tweety homolog 3 [Homo sapiens]	S522	0.53	0.6	YLATSQPRPDSSGsH	1	1	1	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S14(100)]	S14(Phospho): 100	Y(1): 0.0; T(4): 0.0; S(5): 0.0; S(11): 0.0; S(12): 0.0; S(14): 100.0	PRPDSSGsH_	S14;	High	1911.879937					1	1	9.9	Low	1	3.288686514	High	0.2553	Yes
NP_004759.1	9295	4759100	SRSF11	serine/arginine-rich splicing factor 11 isoform 1 [Homo sapiens]	S449	1.03	0.66	KPIETGsPK	1	2	2	0	3ﾗTMT6plex [N-Term; K9; K]; 1ﾗPhospho [S7(100)]	S7(Phospho): 99.16	T(5): 0.8; S(7): 99.2	KKPIETGsPKTKECS	S7;	High	1723.996249	3.17	0.38	4.6	0.4	2	2	9.87	Low	0.5	3.989769697	High	0.1003	Yes
NP_000215.1	3875	4557888	KRT18	keratin, type I cytoskeletal 18 [Homo sapiens]	S7	1.25	1.48	sTFSTNYR	1	1	1	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(2): 0.0; S(4): 0.0; T(5): 0.0; Y(7): 0.0	_MSFTTRsTFSTNYR	S1;	High	1284.582298					1	1	9.86	Low	0.4	2.83746314	High	0.1972	Yes
NP_005461.2	10006	61743942	ABI1	abl interactor 1 isoform a [Homo sapiens]	S183	1.41	0.67	TNPPTQKPPsPPMSGR	1	12	2	0	2ﾗTMT6plex [N-Term; K7]; 1ﾗOxidation [M13(100)]; 1ﾗPhospho [S10(100)]	S10(Phospho): 100; M13(Oxidation): 100	T(1): 0.0; T(5): 0.0; S(10): 100.0; S(14): 0.0	PPTQKPPsPPMSGRG	S10;	High	2246.140475	3.92	21.13	7.8	20.3	2	2	9.8	Low	0.8	3.93509388	High	0.1904	Yes
NP_680780.1	11273	27262649	ATXN2L	ataxin-2-like protein isoform C [Homo sapiens]	S409	1.93	0.59	GINGGPSRMsPK	1	7	1	1	2ﾗTMT6plex [N-Term; K12]; 1ﾗOxidation [M9(100)]; 1ﾗDeamidated [N3(100)]; 1ﾗPhospho [S10(100)]	N3(Deamidated): 100; M9(Oxidation): 100; S10(Phospho): 96.79	S(7): 3.2; S(10): 96.8	NGGPSRMsPKAQRPL	S10;	High	1755.886492					1	1	9.79	Low	0.7	3.1771276	High	0.2233	Yes
NP_001073898.1	57662	122937255	CAMSAP3	calmodulin-regulated spectrin-associated protein 3 isoform 1 [Homo sapiens]	S458	1.18	0.8	SVsSDSLGPPRPAPAR	1	2	1	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(99.9)]	S3(Phospho): 99.92	S(1): 0.0; S(3): 99.9; S(4): 0.0; S(6): 0.0	PVLLRSVsSDSLGPP	S3;	High	1902.963607					1	1	9.77	Low	0.2	4.024702549	High	0.0697	No
NP_443115.1	114112	291045266	TXNRD3	thioredoxin reductase 3 isoform 1 [Homo sapiens]	S42	0.99	0.71	LSsPGPSR	1	2	1	0	1ﾗTMT6plex [N-Term]; 1ﾗPhospho [S3(100)]	S3(Phospho): 99.99	S(2): 0.0; S(3): 100.0; S(7): 0.0	GRRARLSsPGPSRSS	S3;	High	1109.555356					1	1	9.72	Low	0.2	2.643283606	High	0.1629	Yes
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S64	0.05	0.03	sLYNLGGSKR	1	1	2	1	2ﾗTMT6plex [N-Term; K9]; 1ﾗDeamidated [N4(100)]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100; N4(Deamidated): 100	S(1): 100.0; Y(3): 0.0; S(8): 0.0	VGGYGSRsLYNLGGS	S1;	High	1633.871494	209.67	623.64	15.3	23.9	2	2	9.71	Low	1	3.333740711	High	0.0751	Yes
NP_149988.1	90355	15082242	C5orf30	UNC119-binding protein C5orf30 [Homo sapiens]	S25	2.15	1.44	STLTTLPFPGAEANsPGKAEAEKPR	1	1	1	1	3ﾗTMT6plex [N-Term; K18; K23]; 1ﾗPhospho [S15(100)]	S15(Phospho): 100	S(1): 0.0; T(2): 0.0; T(4): 0.0; T(5): 0.0; S(15): 100.0	FPGAEANsPGKAEAE	S15;	High	3336.780783					1	1	9.68	Low	1	5.835119247	High	0.3288	Yes
NP_002473.2	4678	27262628	NASP	nuclear autoantigenic sperm protein isoform 2 [Homo sapiens]	S451	0.96	2.43	VAQGATEKsPEDK	1	2	1	1	3ﾗTMT6plex [N-Term; K8; K13]; 1ﾗPhospho [S9(100)]	S9(Phospho): 100	T(6): 0.0; S(9): 100.0	AQGATEKsPEDKVQI	S9;	High	2127.130176					1	1	9.68	Low	0.4	3.222565651	High	0.2174	Yes
NP_001289958.1	11187	732663005	PKP3	plakophilin-3 isoform PKP3b [Homo sapiens]	S110	0.81	1.07	sQGLSGDK	1	2	1	0	2ﾗTMT6plex [N-Term; K8]; 1ﾗDeamidated [Q2(100)]; 1ﾗPhospho [S1(100)]	S1(Phospho): 100; Q2(Deamidated): 100	S(1): 100.0; S(5): 0.0	QAGFSSRsQGLSGDK	S1;	High	1330.665584					1	1	9.65	Low	0.6	2.733560801	High	0.2601	No
NP_061830.3	23616	85815829	SH3BP1	SH3 domain-binding protein 1 [Homo sapiens]	S544	1.51	0.96	TESEVPPRPAsPK	1	1	1	0	2ﾗTMT6plex [N-Term; K13]; 1ﾗPhospho [S11(100)]	S11(Phospho): 100	T(1): 0.0; S(3): 0.0; S(11): 100.0	EVPPRPAsPKVTRSP	S11;	High	1933.019614					1	1	9.63	Low	1	3.354459047	High	0.391	Yes
NP_056067.2	23301	217330568	EHBP1	EH domain-binding protein 1 isoform 1 [Homo sapiens]	S426; S436	0.73	0.57	DLsTSPKPSPIPsPVLGR	1	3	1	0	2ﾗTMT6plex [N-Term; K7]; 2ﾗPhospho [S3(96.4); S13(100)]	S3(Phospho): 96.35; S13(Phospho): 99.96	S(3): 96.4; T(4): 1.8; S(5): 1.8; S(9): 0.0; S(13): 100.0	VSAGKDLsTSPKPSP;PKPSPIPsPVLGRKP	S3; S13;	High	2466.281064					1	1	9.57	Low	0.1	3.860391378	High	0.1218	Yes;Yes
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S11; S14	0.39	0.2	QSSVSFRsGGsR	1	1	1	1	1ﾗTMT6plex [N-Term]; 2ﾗPhospho [S8(100); S11(100)]	S8(Phospho): 99.99; S11(Phospho): 100	S(2): 0.0; S(3): 0.0; S(5): 0.0; S(8): 100.0; S(11): 100.0	QSSVSFRsGGSRSFS;VSFRSGGsRSFSTAS	S8; S11;	High	1643.714132					1	1	9.56	Low	1	2.659699917	High	0.406	No;Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_115812.1	283489	41281612	CHAMP1	chromosome alignment-maintaining phosphoprotein 1 [Homo sapiens]	S427	1.48	1.02	KPGPPLsPEIR	1	1	1	0	2×TMT6plex [N-Term; K]; 1×Phospho [S7(100)]	S7(Phospho): 100	S(7): 100.0	RKPGPPLsPEIRSPA	S7;	High	1728.981378					1	1	9.54	Low	1	3.114120722	High	0.3537	Yes
NP_001287955.1	7082	666335594	TJP1	tight junction protein ZO-1 isoform d [Homo sapiens]	S916	1.46	0.84	IDsPGFKPASQQVYR	1	2	1	0	2×TMT6plex [N-Term; K7]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(10): 0.0; Y(14): 0.0	QPIHRIDsPGFKPAS	S3;	High	2231.16259					1	1	9.52	Low	0.8	4.138640881	High	0.4324	No
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S2071	0.29	0.3	SLTRsPPAIR	1	1	1	1	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(1): 0.0; T(3): 0.0; S(5): 100.0	GKRSLTRsPPAIRRR	S5;	High	1406.771831					1	1	9.43	Low	0.4444	2.898412466	High	0.2172	Yes
NP_060193.2	54863	116063568	TOR4A	torsin-4A [Homo sapiens]	S63	0.39	0.41	LLQPGGGPDVGTGAPRPGCsPR	1	1	1	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C19]; 1×Phospho [S20(100)]	S20(Phospho): 99.97	T(12): 0.0; S(20): 100.0	GAPRPGCsPRAPRAD	S20;	High	2455.211458					1	1	9.35	Low	0.1111	2.930010319	High	0.0751	Yes
NP_060395.5	55667	408684407	DENND4C	DENN domain-containing protein 4C [Homo sapiens]	S1613	1.44	1.05	RAsGDVQTMK	1	1	1	1	2×TMT6plex [N-Term; K10]; 1×Oxidation [M9(100)]; 1×Phospho [S3(100)]	S3(Phospho): 100; M9(Oxidation): 100	S(3): 100.0; T(8): 0.0	SDEIKRAsGDVQTMK	S3;	High	1646.833728					1	1	9.34	Low	1	3.55706358	High	0.5449	No
XP_005276741.1	101929876	530438702	LOC101929876	40S ribosomal protein S26 [Homo sapiens]	S54	1.35	0.72	DIsEASVFDAYVLPK	1	1	1	0	2×TMT6plex [N-Term; K15]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; S(6): 0.0; Y(11): 0.0	AAAVRDIsEASVFDA	S3;	High	2192.129224					1	1	9.32	Low	0.1111	2.963806868	High	0.2466	No
NP_065778.3	49854	50345873	ZBTB21	zinc finger and BTB domain-containing protein 21 isoform L [Homo sapiens]	S411; S422	0.33	1.63	SFsASQSTDREGAsPVTEVR	1	2	2	1	1×TMT6plex [N-Term]; 2×Phospho [S3(100); S14(100)]	S3(Phospho): 99.95; S14(Phospho): 100	S(1): 0.1; S(3): 100.0; S(5): 0.0; S(7): 0.0; T(8): 0.0; S(14): 100.0; T(17): 0.0	PHRLRSFsASQSTDR;STDREGAsPVTEVRI	S3; S14;	High	2500.095559					1	1	9.31	Low	0.1111	4.069976807	High	0.0025	Yes;Yes
NP_001153620.1	80821	237757346	DDHD1	phospholipase DDHD1 isoform c [Homo sapiens]	S11	2.59	3.13	GSPRsPEHNGR	1	3	1	1	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 100	S(2): 0.0; S(5): 100.0	PGRGSPRsPEHNGRG	S5;	High	1502.70627					1	1	9.3	Low	0.7778	3.25556469	High	0.2055	Yes
NP_006422.1	10576	5453603	CCT2	T-complex protein 1 subunit beta isoform 1 [Homo sapiens]	S260	1.25	2.08	VRVDsTAK	1	2	1	1	2×TMT6plex [N-Term; K8]; 1×Phospho [S5(100)]	S5(Phospho): 99.99	S(5): 100.0; T(6): 0.0	GSRVRVDsTAKVAEI	S5;	High	1413.786701					1	1	9.26	Low	0.5556	2.873625755	High	0.0592	Yes
NP_996925.1	2029	46389550	ENSA	alpha-endosulfine isoform 1 [Homo sapiens]	S125	2.84	1.06	KSsLVTSK	1	7	1	1	3×TMT6plex [N-Term; K8; K]; 1×Phospho [S3(99.3)]	S3(Phospho): 99.29	S(2): 0.7; S(3): 99.3; T(6): 0.0; S(7): 0.0	DLPQRKSsLVTSKLA	S3;	High	1616.959135					1	1	9.19	Low	1	3.414793253	High	0.088	No
NP_787052.3	337876	74271903	CHSY3	chondroitin sulfate synthase 3 [Homo sapiens]	S51	1.14	1.3	sAAGPRAGAQQPLPQPQSRPR	1	1	1	1	1×TMT6plex [N-Term]; 2×Deamidated [Q10(100); Q11(100)]; 1×Phospho [S1(100)]	S1(Phospho): 100; Q10(Deamidated): 100; Q11(Deamidated): 100	S(1): 100.0; S(18): 0.0	LCSYYGRsAAGPRAG	S1;	High	2481.256101					1	1	9.14	Low	1	3.317886353	High	0.1566	No
NP_055792.1	22985	7662238	ACIN1	apoptotic chromatin condensation inducer in the nucleus isoform 1 [Homo sapiens]	S729	1.39	0.73	LQPERGsPK	1	3	3	1	2×TMT6plex [N-Term; K9]; 1×Deamidated [Q2(100)]; 1×Phospho [S7(100)]	Q2(Deamidated): 100; S7(Phospho): 100	S(7): 100.0	RLQPERGsPKKCEAE	S7;	High	1550.83438	4.59	0.71	11.1	0.9	3	3	9.12	Low	0.4444	3.796555758	High	0.5053	Yes
NP_003600.2	8479	21396500	HIRIP3	HIRA-interacting protein 3 isoform 1 [Homo sapiens]	T84	1.12	1.27	RPPtPCSDPER	1	2	1	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C6]; 1×Phospho [T4(100)]	T4(Phospho): 98.28	T(4): 98.3; S(7): 1.7	KKGKRPPtPCSDPER	T4;	High	1620.740273					1	1	9.09	Low	0.5556	2.832934141	High	0.2898	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S2123	1.05	0.41	MSCFSRPSMsPTPLDR	1	1	1	0	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C3]; 2×Oxidation [M1(100); M9(100)]; 1×Phospho [S10(99.8)]	M1(Oxidation): 100; M9(Oxidation): 100; S10(Phospho): 85.4	S(2): 3.7; S(5): 3.7; S(8): 3.7; S(10): 85.4; T(12): 3.7	CFSRPSMsPTPLDRC	S10;	High	2209.964278					1	1	9.08	Low	0.8889	3.517196417	High	0.0653	Yes
NP_001271169.1	54462	545746387	CCSER2	serine-rich coiled-coil domain-containing protein 2 isoform 1 [Homo sapiens]	S206	1.25	0.43	SSSGESLAQsPDSSK	1	3	1	0	2×TMT6plex [N-Term; K15]; 1×Phospho [S10(100)]	S10(Phospho): 100	S(1): 0.0; S(2): 0.0; S(3): 0.0; S(6): 0.0; S(10): 100.0; S(13): 0.0; S(14): 0.0	SGESLAQsPDSSKSI	S10;	High	2004.952716					1	1	9.06	Low	1	2.889112949	High	0.2422	Yes
NP_001092872.1	8812	150417989	CCNK	cyclin-K [Homo sapiens]	S324	1.08	0.77	KPsPQPSSPR	1	1	1	0	2×TMT6plex [N-Term; K]; 2×Phospho [S3(100); S8(98.8)]	S3(Phospho): 99.98; S7(Phospho): 50.01; S8(Phospho): 50.01	S(3): 100.0; S(7): 50.0; S(8): 50.0	AQQPKKPsPQPSSPR	S3;	High	1698.838159					1	1	9.05	Low	0.8889	2.601302624	High	0.1077	Yes
NP_001106963.1	10801	164698494	Sep-09	septin-9 isoform a [Homo sapiens]	S85	1.76	0.86	HVDSLSQRsPK	1	4	3	1	2×TMT6plex [N-Term; K11]; 1×Deamidated [Q7(100)]; 1×Phospho [S9(100)]	Q7(Deamidated): 100; S9(Phospho): 98.98	S(4): 0.0; S(6): 1.0; S(9): 99.0	VDSLSQRsPKASLRR	S9;	High	1792.935885	3.19	3.24	9.8	4.8	3	3	9.01	Low	0.7778	4.447428226	High	0.036	Yes
NP_000947.2	5732	31881630	PTGER2	prostaglandin E2 receptor EP2 subtype [Homo sapiens]	S353	1.74	0.44	TQDATQTSCSTQSDAsK	1	1	2	0	2×TMT6plex [N-Term; K17]; 1×Carbamidomethyl [C9]; 1×Deamidated [Q12(100)]; 1×Phospho [S16(100)]	Q12(Deamidated): 99.95; S16(Phospho): 100	T(1): 0.0; T(5): 0.0; T(7): 0.0; S(8): 0.0; S(10): 0.0; T(11): 0.0; S(13): 0.0; S(16): 100.0	CSTQSDAsKQADL_	S16;	High	2355.042336					1	1	8.97	Low	0.5556	2.941236496	High	0.0442	No
NP_000415.2	3852	119395754	KRT5	keratin, type II cytoskeletal 5 [Homo sapiens]	S64	0.05	0.06	sLYNLGGSKR	1	1	4	1	2×TMT6plex [N-Term; K9]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; Y(3): 0.0; S(8): 0.0	VGGYGSRsLYNLGGS	S1;	High	1632.887478	181.17		16.6		4	1	8.86	Low	1	4.066114902	High	0.1572	Yes
NP_001163887.1	9414	282165810	TJP2	tight junction protein ZO-2 isoform 3 [Homo sapiens]	S201; S205	0.87	2.15	SRsWEDsPER	1	6	2	1	1×TMT6plex [N-Term]; 2×Phospho [S3(100); S7(100)]	S3(Phospho): 100; S7(Phospho): 100	S(1): 0.0; S(3): 100.0; S(7): 100.0	SHGGRSRsWEDSPER;RSRSWEDsPERGRPH	S3; S7;	High	1637.655948	4.29	23.76	5.3	82.7	2	2	8.86	Low	0.4444	3.215585232	High	0.3851	No;No
NP_060496.2	55690	30089916	PACS1	phosphofurin acidic cluster sorting protein 1 [Homo sapiens]	S534	0.41	0.54	TNSSDSERsPDLGHSTQIPR	1	1	2	1	1×TMT6plex [N-Term]; 2×Phospho [S9(97); S/T]	S3(Phospho): 32.95; S4(Phospho): 32.95; S6(Phospho): 32.95; S9(Phospho): 99.99	T(1): 1.2; S(3): 33.0; S(4): 33.0; S(6): 33.0; S(9): 100.0; S(15): 0.0; T(16): 0.0	NSSDSERsPDLGHST	S9;	High	2573.12317					1	1	8.84	Low	1	3.604214907	High	0.0111	Yes
NP_065875.3	57584	203097003	ARHGAP21	rho GTPase-activating protein 21 [Homo sapiens]	S1099	0.91	0.43	TQSPHsPKEESER	1	1	2	1	2×TMT6plex [N-Term; K8]; 1×Phospho [S6(100)]	S6(Phospho): 100	T(1): 0.0; S(3): 0.0; S(6): 100.0; S(11): 0.0	PKTQSPHsPKEESER	S6;	High	2050.00067	6.79	8.83	8.7	5.3	2	2	8.83	Low	1	4.805692673	High	0.1601	No
NP_733779.1	6500	25777713	SKP1	S-phase kinase-associated protein 1 isoform b [Homo sapiens]	T131	1.19	0.67	GKtPEEIR	1	2	1	1	2×TMT6plex [N-Term; K2]; 1×Phospho [T3(100)]	T3(Phospho): 100	T(3): 100.0	ANMIKGKtPEEIRKT	T3;	High	1467.797266					1	1	8.73	Low	1	2.87805891	High	0.2014	Yes
NP_055860.1	23063	42734325	WAPAL	wings apart-like protein homolog [Homo sapiens]	S221; S226	0.79	0.82	RPEsPSEIsPIKGSVR	1	1	1	1	2×TMT6plex [N-Term; K12]; 2×Phospho [S4(97.8); S9(100)]	S4(Phospho): 97.8; S9(Phospho): 100	S(4): 97.8; S(6): 2.2; S(9): 100.0; S(14): 0.0	QFGKRPEsPSEISPI;PESPSEIsPIKGSVR	S4; S9;	High	2357.203148					1	1	8.68	Low	0.6667	3.689997911	High	0.0813	Yes;Yes
NP_003007.2	6427	47271443	SRSF2	serine/arginine-rich splicing factor 2 [Homo sapiens]	S26	0.44	3.55	TsPDTLRR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [S2(98.8)]	S2(Phospho): 98.79	T(1): 1.2; S(2): 98.8; T(5): 0.0	DNLTYRTsPDTLRRV	S2;	High	1254.640482					1	1	8.67	Low	0.3333	3.04543376	High	0.0492	Yes
NP_036565.2	23451	54112117	SF3B1	splicing factor 3B subunit 1 isoform 1 [Homo sapiens]	T326; T328	1.33	1.24	TDRGGDSIGEtPtPGASK	1	1	1	1	2×TMT6plex [N-Term; K18]; 2×Phospho [T11(100); T13(100)]	T11(Phospho): 100; T13(Phospho): 100	T(1): 0.0; S(7): 0.0; T(11): 100.0; T(13): 100.0; S(17): 0.0	GGDSIGEtPTPGASK;DSIGETPtPGASKRK	T11; T13;	High	2364.088572					1	1	8.63	Low	0.3333	3.410374403	High	0.5103	Yes;Yes
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S903	0.43	0.58	GsPTSAYPERR	1	1	1	1	1×TMT6plex [N-Term]; 1×Phospho [S2(98.8)]	S2(Phospho): 98.77	S(2): 98.8; T(4): 1.2; S(5): 0.0; Y(7): 0.0	GFIEQKGsPTSAYPE	S2;	High	1529.731088					1	1	8.61	Low	0.3333	3.280091047	High	0.0793	Yes
NP_002678.2	5411	33356174	PNN	pinin [Homo sapiens]	S658	1.77	1.3	DTsGLER	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [S3(99.3)]	S3(Phospho): 99.31	T(2): 0.7; S(3): 99.3	DRKRRDTsGLERSHK	S3;	High	1086.502986					1	1	8.61	Low	0.6667	2.577149868	High	0.062	Yes
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S514; S516	0.79	0.64	LDYVPSsAsREVR	1	1	2	1	1×TMT6plex [N-Term]; 2×Phospho [S6(98.1); S9(98.1)]	S7(Phospho): 97.87; S9(Phospho): 97.87	Y(3): 0.0; S(6): 4.3; S(7): 97.9; S(9): 97.9	RLDYVPSsASREVRH;DYVPSSAsREVRHGS	S7; S9;	High	1867.855376					1	1	8.59	Low	1	2.967885017	High	0.0135	Yes;Yes
NP_835361.1	347734	30026034	SLC35B2	adenosine 3'-phospho 5'-phosphosulfate transporter 1 isoform a precursor [Homo sapiens]	S427	2.59	1.11	AVPVEsPVQKV	1	6	1	1	2×TMT6plex [N-Term; K10]; 1×Deamidated [Q9(100)]; 1×Phospho [S6(100)]	S6(Phospho): 100; Q9(Deamidated): 100	S(6): 100.0	KKAVPVEsPVQKV_	S6;	High	1691.938511					1	1	8.59	Low	1	2.590073824	High	0.39	Yes
NP_008878.3	6731	109638749	SRP72	signal recognition particle subunit SRP72 isoform 1 [Homo sapiens]	T571	1.87	1.31	NYDPKVtPDPER	1	2	1	1	2×TMT6plex [N-Term; K5]; 1×Phospho [T7(100)]	T7(Phospho): 100	Y(2): 0.0; T(7): 100.0	KNYDPKVtPDPERWL	T7;	High	1968.983229					1	1	8.54	Low	1	2.96840024	High	0.3367	Yes
NP_003831.2	8793	22547108	TNFRSF10D	tumor necrosis factor receptor superfamily member 10D precursor [Homo sapiens]	S263	3.05	6.57	sCPSRVPGAEDNAR	1	1	1	1	1×TMT6plex [N-Term]; 1×Carbamidomethyl [C2]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(4): 0.0	RVLFRRRsCPSRVPG	S1;	High	1824.826127					1	1	8.51	Low	0.2222	4.292320251	High	0.1259	No
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S2702; S2706	0.74	1.32	RRPsPQPsPR	1	1	1	1	1×TMT6plex [N-Term]; 1×Deamidated [Q6(100)]; 2×Phospho [S4(100); S8(100)]	S4(Phospho): 100; Q6(Deamidated): 100; S8(Phospho): 100	S(4): 100.0; S(8): 100.0	PVERRRPsPQPSPRD;RRPSPQPsPRDQQSS	S4; S8;	High	1567.734474					1	1	8.5	Low	0.625	2.912516356	High	0.5464	Yes;Yes
NP_001271143.1	9320	545746335	TRIP12	E3 ubiquitin-protein ligase TRIP12 isoform a [Homo sapiens]	T140	1.29	0.6	ALQHtESPSETNKPHSK	1	3	1	0	3×TMT6plex [N-Term; K13; K17]; 1×Phospho [T5(98.1)]	T5(Phospho): 98.14	T(5): 98.1; S(7): 1.8; S(9): 0.0; T(11): 0.0; S(16): 0.0	KPKALQHtESPSETN	T5;	High	2658.385556					1	1	8.42	Low	0.75	4.489582539	High	0.0624	No
NP_001158136.1	375449	257467648	MAST4	microtubule-associated serine/threonine-protein kinase 4 isoform c [Homo sapiens]	S1779	1.65	1.13	VDSGTEKPGLVAPEsPVR	1	5	1	0	2×TMT6plex [N-Term; K7]; 1×Phospho [S15(100)]	S15(Phospho): 100	S(3): 0.0; T(5): 0.0; S(15): 100.0	PGLVAPEsPVRKSPS	S15;	High	2376.257612					1	1	8.4	Low	1	3.271216154	High	0.4434	No
NP_065798.2	57507	153945755	ZNF608	zinc finger protein 608 [Homo sapiens]	S1430	0.4	0.29	SKsPAPVEK	1	1	1	1	3×TMT6plex [N-Term; K2; K9]; 1×Phospho [S3(100)]	S3(Phospho): 100	S(1): 0.0; S(3): 100.0	ANQYRSKsPAPVEKA	S3;	High	1709.980599					1	1	8.36	Low	0.375	3.09078908	High	0.1521	No
NP_001273588.1	9882	557786174	TBC1D4	TBC1 domain family member 4 isoform 3 [Homo sapiens]	S666	0.16	2.16	AQGVRsPLLR	1	3	1	1	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(6): 100.0	GRAQGVRsPLLRQSS	S6;	High	1405.787815					1	1	8.33	Low	1	3.26459384	High	0.4264	Yes
NP_000975.2	6147	17105394	RPL23A	60S ribosomal protein L23a [Homo sapiens]	S43	1.14	0.94	IRTsPTFR	1	1	2	1	1×TMT6plex [N-Term]; 1×Phospho [T3(99)]	S4(Phospho): 98.84	T(3): 1.2; S(4): 98.8; T(6): 0.0	KKKKIRTsPTFRRPK	S4;	High	1286.681953					1	1	8.33	Low	0.125	3.158768654	High	0.0411	Yes
NP_079150.3	79932	33359221	KIAA0319L	dyslexia-associated protein KIAA0319-like protein [Homo sapiens]	S978	1.02	0.79	ILDATDQEsLELKPTSR	1	1	1	0	2×TMT6plex [N-Term; K13]; 1×Phospho [S9(100)]	S9(Phospho): 100	T(5): 0.0; S(9): 100.0; T(15): 0.0; S(16): 0.0	LDATDQEsLELKPTS	S9;	High	2454.289306					1	1	8.32	Low	0.75	3.416600943	High	0.193	Yes
NP_001129479.1	5349	209862809	FXYD3	FXYD domain-containing ion transport regulator 3 isoform 3 [Homo sapiens]	T133	0.99	0.36	SGHHPGEtPPLITPGSAQS	1	3	1	0	1×TMT6plex [N-Term]; 1×Phospho [T8(100)]	T8(Phospho): 100	S(1): 0.0; T(8): 100.0; T(13): 0.0; S(16): 0.0; S(19): 0.0	SGHHPGEtPPLITPG	T8;	High	2179.038228					1	1	8.27	Low	1	3.237004995	High	0.179	No
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S713; T718	1.06	1.48	RQsPSPStRPIR	1	3	2	1	1×TMT6plex [N-Term]; 2×Phospho [S3(100); S5(100)]	S3(Phospho): 100; T8(Phospho): 97.75	S(3): 100.0; S(5): 0.1; S(7): 2.2; T(8): 97.8	SSPQRRQsPSPSTRP;RQSPSPStRPIRRVS	S3; T8;	High	1770.861464	7.25	10.57	10.9	22.5	2	2	8.18	Low	0.125	3.546045065	High	0.1831	Yes;Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1824	0.56	0.72	GGSGYHSRsPAR	1	1	1	1	1×TMT6plex [N-Term]; 1×Phospho [S9(97.9)]	S9(Phospho): 97.93	S(3): 0.0; Y(5): 0.0; S(7): 2.1; S(9): 97.9	GSGYHSRsPARQESS	S9;	High	1540.72192					1	1	8.16	Low	0.375	2.941906452	High	0.1429	Yes
NP_510880.2	399687	28416946	MYO18A	unconventional myosin-XVIIIa isoform a [Homo sapiens]	S1640	0.42	0.41	LATLsDQVNRR	1	2	1	1	1×TMT6plex [N-Term]; 1×Phospho [S5(100)]	S5(Phospho): 99.97	T(3): 0.0; S(5): 100.0	EGKLATLsDQVNRRD	S5;	High	1581.831136					1	1	8.12	Low	0.625	2.976389408	High	0.057	Yes
NP_065816.2	23352	82659109	UBR4	E3 ubiquitin-protein ligase UBR4 [Homo sapiens]	S178	1.76	1.89	TLSDVEDQKELAsPVSPELR	1	1	1	1	2×TMT6plex [N-Term; K9]; 1×Phospho [S13(100)]	S13(Phospho): 100	T(1): 0.0; S(3): 0.0; S(13): 100.0; S(16): 0.0	EDQKELAsPVSPELR	S13;	High	2751.421777					1	1	8.1	Low	0.25	3.905375242	High	0.1739	Yes
NP_001184223.1	1809	308818200	DPYSL3	dihydropyrimidinase-related protein 3 isoform 1 [Homo sapiens]	S636	0.83	1.48	GsPTRPNPPVR	1	2	3	0	1×TMT6plex [N-Term]; 1×Phospho [S2(100)]	S2(Phospho): 99.96	S(2): 100.0; T(4): 0.0	PAGSARGsPTRPNPP	S2;	High	1486.772893	2.95	1.79	4.2	4.6	3	3	8.07	Low	1	3.685563326	High	0.0623	No
NP_006654.2	10848	63003907	PPP1R13L	relA-associated inhibitor [Homo sapiens]	S151	2.21	0.98	AFDGAGsSLGRAPSPRPGPGPLR	1	1	1	1	1×TMT6plex [N-Term]; 1×Phospho [S7(92.2)]	S7(Phospho): 92.19	S(7): 92.2; S(8): 3.9; S(14): 3.9	RAFDGAGsSLGRAPS	S7;	High	2529.292486					1	1	8.06	Low	0.25	4.519840717	High	0.1217	No
NP_001230575.1	10421	343887347	CD2BP2	CD2 antigen cytoplasmic tail-binding protein 2 [Homo sapiens]	S195	1.13	2.45	KGPGQPSsPQR	1	1	2	1	2×TMT6plex [N-Term; K]; 1×Phospho [S8(98.8)]	S8(Phospho): 98.76	S(7): 1.2; S(8): 98.8	KGPGQPSsPQRLDRL	S8;	High	1676.888541					1	1	7.93	Low	1	4.021445274	High	0.0199	Yes
NP_003669.4	8563	50959085	THOC5	THO complex subunit 5 homolog [Homo sapiens]	T328	1.37	0.87	RRPtLGVQLDDK	1	1	1	1	2×TMT6plex [N-Term; K12]; 1×Phospho [T4(100)]	T4(Phospho): 100	T(4): 100.0	TTKRRRPtLGVQLDD	T4;	High	1936.078132					1	1	7.83	Low	0.875	3.94358325	High	0.4848	Yes
NP_001073964.2	84629	169658378	TNRC18	trinucleotide repeat-containing gene 18 protein [Homo sapiens]	T2146	1.12	0.87	GGAVERPLtPAPR	1	1	1	0	1×TMT6plex [N-Term]; 1×Phospho [T9(100)]	T9(Phospho): 100	T(9): 100.0	GAVERPLtPAPRSCI	T9;	High	1629.867522					1	1	7.77	Low	1	2.926129103	High	0.3686	Yes
NP_060735.3	55765	340745328	C1orf106	uncharacterized protein C1orf106 isoform 1 [Homo sapiens]	S619	1.12	0.94	STRPHsLDR	1	2	1	0	1×TMT6plex [N-Term]; 1×Phospho [S6(100)]	S6(Phospho): 100	S(1): 0.0; T(2): 0.0; S(6): 100.0	LRSTRPHsLDRQGAF	S6;	High	1377.683744					1	1	7.76	Low	0.125	3.164879084	High	0.2057	No
NP_940890.3	286077	157311635	FAM83H	protein FAM83H [Homo sapiens]	S998	0.71	0.64	MEDEGGFPVPQENGQPEsPRR	1	1	1	1	1×TMT6plex [N-Term]; 1×Oxidation [M1(100)]; 1×Deamidated [N13(97.8)]; 1×Phospho [S18(100)]	M1(Oxidation): 100; N13(Deamidated): 97.78; S18(Phospho): 100	S(18): 100.0	QENGQPEsPRRLSLG	S18;	High	2682.170441					1	1	7.71	Low	0.25	2.971743107	High	0.0505	Yes
NP_002705.2	5514	25777671	PPP1R10	serine/threonine-protein phosphatase 1 regulatory subunit 10 [Homo sapiens]	S313	1.56	1.01	VLsPTAAKPSPFEGK	1	1	1	0	3×TMT6plex [N-Term; K8; K15]; 1×Phospho [S3(100)]	S3(Phospho): 99.97	S(3): 100.0; T(5): 0.0; S(10): 0.0	KKKKKVLsPTAAKPS	S3;	High	2296.292097					1	1	7.69	Low	0.25	3.078943491	High	0.1104	Yes
NP_061155.2	54443	31657094	ANLN	actin-binding protein anillin isoform 1 [Homo sapiens]	S295	0.43	0.24	ATsPVKSTTSITDAK	1	3	1	1	3×TMT6plex [N-Term; K6; K15]; 1×Phospho [S3(98.4)]	S3(Phospho): 98.45	T(2): 1.6; S(3): 98.5; S(7): 0.0; T(8): 0.0; T(9): 0.0; S(10): 0.0; T(12): 0.0	SSSVKATsPVKSTTS	S3;	High	2274.256105					1	1	7.67	Low	1	3.338239908	High	0.0599	Yes
NP_001028725.1	92521	75750472	SPECC1	cytospin-B isoform 1 [Homo sapiens]	S914	0.96	0.78	KSPsLESLSRPPSLGFGDTR	1	2	1	1	2×TMT6plex [N-Term; K]; 1×Phospho [S4(100)]	S4(Phospho): 97.08	S(2): 2.8; S(4): 97.1; S(7): 0.1; S(9): 0.0; S(13): 0.0; T(19): 0.0	PHLRKSPsLESLSRP	S4;	High	2669.406402					1	1	7.65	Low	0.375	3.019368887	High	0.053	Yes
NP_002365.3	4133	87578396	MAP2	microtubule-associated protein 2 isoform 1 [Homo sapiens]	T1605	0.94	0.38	SGTSTPTTPGSTAITPGtPPSYSSR	1	4	1	0	1×TMT6plex [N-Term]; 1×Phospho [T18(100)]	T18(Phospho): 100	S(1): 0.0; T(3): 0.0; S(4): 0.0; T(5): 0.0; T(7): 0.0; T(8): 0.0; S(11): 0.0; T(12): 0.0; T(15): 0.0; T(18): 100.0; S(21): 0.0; Y(22): 0.0; S(23): 0.0; S(24): 0.0	STAITPGtPPSYSSR	T18;	High	2717.28685					1	1	7.62	Low	0.25	3.471915245	High	0.1931	Yes
NP_078875.4	79651	301069362	RHBDF2	inactive rhomboid protein 2 isoform 1 [Homo sapiens]	S385	0.86	0.66	sISSTVQR	1	2	1	0	1×TMT6plex [N-Term]; 1×Phospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(3): 0.0; S(4): 0.0; T(5): 0.0	LNRSYRRsISSTVQR	S1;	High	1186.603034					1	1	7.61	Low	0.875	2.675632	High	0.1978	Yes

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al*., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_055726.3	22848	148277037	AAK1	AP2-associated protein kinase 1 [Homo sapiens]	T620; S623	0.87	0.49	VGSLtPPsSPKTQR	1	1	2	1	2ｧTMT6plex [N-Term; K11]; 2ｧPhospho [T5(98.1); S8(98.1)]	T5(Phospho): 98.11; S8(Phospho): 98.07	S(3): 1.9; T(5): 98.1; S(8): 98.1; S(9): 1.9; T(12): 0.0	GQKVGSLtPPSSPKT;VGSLTPPsSPKTQRA	T5; S8;	High	2073.054693					1	1	7.59	Low	0.25	3.250118017	High	0.0123	Yes;Yes
NP_005905.2	4173	33469919	MCM4	DNA replication licensing factor MCM4 [Homo sapiens]	T110	0.55	0.45	SGVRGtPVR	1	1	1	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [T6(100)]	T6(Phospho): 100	S(1): 0.0; T(6): 100.0	PRSGVRGtPVRQRPD	T6;	High	1237.661552					1	1	7.58	Low	0.5	3.503621101	High	0.3	Yes
NP_005309.1	3005	4885371	H1F0	histone H1.0 [Homo sapiens]	T153	1.69	0.8	KLAAtPK	1	1	1	1	3ｧTMT6plex [N-Term; K7; K]; 1ｧPhospho [T5(100)]	T5(Phospho): 100	T(5): 100.0	AKKKLAAtPKKAKKP	T5;	High	1495.921628					1	1	7.56	Low	0.75	3.213277102	High	0.324	No
NP_005110.2	9967	167234419	THRAP3	thyroid hormone receptor-associated protein 3 [Homo sapiens]	S253	1.84	1.33	SPALKsPLQSVVVR	1	1	1	1	2ｧTMT6plex [N-Term; K5]; 1ｧPhospho [S6(100)]	S6(Phospho): 99.97	S(1): 0.0; S(6): 100.0; S(10): 0.0	ERSPALKsPLQSVVV	S6;	High	2019.176784					1	1	7.56	Low	0.375	2.858765125	High	0.2448	Yes
NP_067051.2	58506	226509740	SCAF1	splicing factor, arginine/serine-rich 19 [Homo sapiens]	S719; S725	0.69	2.71	GPsPAPASsPKR	1	1	1	1	2ｧTMT6plex [N-Term; K11]; 2ｧPhospho [S3(100); S9(97.7)]	S3(Phospho): 100; S9(Phospho): 97.74	S(3): 100.0; S(8): 2.3; S(9): 97.7	KSDPRGPsPAPASSP;PSPAPASsPKREVLY	S3; S9;	High	1769.875273					1	1	7.53	Low	0.25	3.450684071	High	0.2638	Yes;Yes
NP_060621.3	55183	56676335	RIF1	telomere-associated protein RIF1 isoform 1 [Homo sapiens]	S2196	1.29	0.5	SQEDEISsPVNKVR	1	2	1	1	2ｧTMT6plex [N-Term; K12]; 1ｧPhospho [S8(98.5)]	S8(Phospho): 98.51	S(1): 0.0; S(7): 1.5; S(8): 98.5	SQEDEISsPVNKVRR	S8;	High	2126.089485					1	1	7.53	Low	0.5	2.842446566	High	0.0493	Yes
NP_005768.1	10180	5032033	RBM6	RNA-binding protein 6 isoform 1 [Homo sapiens]	S891	1.26	1.6	KEEsPPPPK	1	2	1	1	3ｧTMT6plex [N-Term; K9; K]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	PTVKKEEsPPPPKVV	S4;	High	1775.991164					1	1	7.52	Low	1	2.844340563	High	0.6056	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S675	0.58	2.08	EARsPQPNK	1	3	1	1	2ｧTMT6plex [N-Term; K9]; 2ｧDeamidated [Q6(100); N8(100)]; 1ｧPhospho [S4(100)]	S4(Phospho): 100; Q6(Deamidated): 100; N8(Deamidated): 100	S(4): 100.0	RSTREARsPQPNKRH	S4;	High	1566.79291					1	1	7.4	Low	0.1429	2.808037519	High	0.4484	Yes
NP_065764.1	57473	34013528	ZNF512B	zinc finger protein 512B [Homo sapiens]	T852	1.09	0.81	ERtPEEPVAK	1	1	1	1	2ｧTMT6plex [N-Term; K10]; 1ｧPhospho [T3(100)]	T3(Phospho): 100	T(3): 100.0	GRKPKERtPEEPVAK	T3;	High	1693.892623					1	1	7.35	Low	1	3.16549778	High	0.4953	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S675	0.6	2.09	EARsPQPNK	1	3	1	1	2ｧTMT6plex [N-Term; K9]; 1ｧDeamidated [N8(100)]; 1ｧPhospho [S4(100)]	S4(Phospho): 100; Q6(Deamidated): 100	S(4): 100.0	RSTREARsPQPNKRH	S4;	High	1565.808894					1	1	7.12	Low	1	3.238140345	High	0.1759	Yes
NP_055885.3	23091	116008442	ZC3H13	zinc finger CCCH domain-containing protein 13 [Homo sapiens]	S77	0.96	1.38	sPERPTGDLR	1	1	1	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(6): 0.0	YSSNYRRsPERPTGD	S1;	High	1436.709624					1	1	7.11	Low	0	3.235436201	High	0.3148	Yes
NP_115941.2	153090	94967023	DAB2IP	disabled homolog 2-interacting protein isoform 1 [Homo sapiens]	S950	0.57	0.38	QQSSSSKGDsPELKPR	1	2	1	1	3ｧTMT6plex [N-Term; K7; K14]; 1ｧPhospho [S10(100)]	S10(Phospho): 100	S(3): 0.0; S(4): 0.0; S(5): 0.0; S(6): 0.0; S(10): 100.0	SSSSKGDsPELKPRA	S10;	High	2498.321893					1	1	7.07	Low	0.7143	3.634494305	High	0.2094	No
NP_059344.1	10458	9257197	BAIAP2	brain-specific angiogenesis inhibitor 1-associated protein 2 isoform 1 [Homo sapiens]	T360	0.74	0.66	NSYATTENKtLPR	1	4	1	1	2ｧTMT6plex [N-Term; K9]; 1ｧDeamidated [N8(100)]; 1ｧPhospho [T10(100)]	N8(Deamidated): 100; T10(Phospho): 100	S(2): 0.0; Y(3): 0.0; T(5): 0.0; T(6): 0.0; T(10): 100.0	YATTENKtLPRSSSM	T10;	High	2034.030908					1	1	7.07	Low	0.7143	3.059173346	High	0.2092	Yes
NP_001018077.1	26135	66346679	SERBP1	plasminogen activator inhibitor 1 RNA-binding protein isoform 1 [Homo sapiens]	S197	1.07	0.72	EFDRHsGSDR	1	4	1	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S6(99)]	S6(Phospho): 98.95	S(6): 99.0; S(8): 1.1	KREFDRHsGSDRSSF	S6;	High	1514.658651					1	1	7	Low	0.1429	2.973325491	High	0.0842	Yes
NP_064703.1	57018	9945320	CCNL1	cyclin-L1 isoform 1 [Homo sapiens]	S352	1.11	1.22	AEEKsPISINVK	1	2	1	1	3ｧTMT6plex [N-Term; K4; K12]; 1ｧDeamidated [N10(100)]; 1ｧPhospho [S5(100)]	S5(Phospho): 100; N10(Deamidated): 100	S(5): 100.0; S(8): 0.0	EVKAEEKsPISINVK	S5;	High	2083.1655					1	1	6.99	Low	0.1429	3.132072449	High	0.1757	Yes
NP_055915.2	23126	46397390	POGZ	pogo transposable element with ZNF domain isoform 1 [Homo sapiens]	S1364	0.59	0.79	LSGEHsESSTPRPR	1	5	1	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S6(100)]	S6(Phospho): 99.99	S(2): 0.0; S(6): 100.0; S(8): 0.0; S(9): 0.0; T(10): 0.0	LKLSGEHsESSTPRP	S6;	High	1848.880271					1	1	6.97	Low	1	3.516820431	High	0.1335	Yes
NP_056473.2	26155	157694511	NOC2L	nucleolar complex protein 2 homolog [Homo sapiens]	S49	1.35	1.05	EAARsPDKPGGSPSASR	1	1	2	1	2ｧTMT6plex [N-Term; K8]; 2ｧPhospho [S5(100); S]	S5(Phospho): 100; S12(Phospho): 49.99; S16(Phospho): 49.99	S(5): 100.0; S(12): 50.0; S(14): 0.0; S(16): 50.0	EAREAARsPDKPGGS	S5;	High	2288.083762	6.18	11.22	11.9	16.8	2	2	6.9	Low	1	4.983894348	High	0.3715	Yes
NP_001254772.1	9575	392841204	CLOCK	circadian locomoter output cycles protein kaput [Homo sapiens]	S427	2.84	1.05	FDHsPTPSASSR	1	1	1	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; T(6): 0.0; S(8): 0.0; S(10): 0.0; S(11): 0.0	ALERFDHsPTPSASS	S4;	High	1597.720917					1	1	6.88	Low	1	2.828796387	High	0.3816	Yes
NP_116114.1	84811	14249338	BUD13	BUD13 homolog isoform 1 [Homo sapiens]	T159; S163	2.13	0.91	HDtPDPsPLRGAR	1	2	1	1	1ｧTMT6plex [N-Term]; 2ｧPhospho [T3(100); S7(100)]	T3(Phospho): 100; S7(Phospho): 100	T(3): 100.0; S(7): 100.0	PRRARHDtPDPSPLR;RHDTPDPsPLRGARH	T3; S7;	High	1807.809094					1	1	6.77	Low	1	3.129229069	High	0.6134	Yes;Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S2702	1.04	0.79	RRPsPQPSPR	1	1	1	1	1ｧTMT6plex [N-Term]; 1ｧDeamidated [Q6(100)]; 1ｧPhospho [S4(100)]	S4(Phospho): 100; Q6(Deamidated): 100	S(4): 100.0; S(8): 0.0	PVERRRPsPQPSPRD	S4;	High	1487.768143					1	1	6.75	Low	1	2.837343454	High	0.2676	Yes
NP_001171579.1	7739	296010963	ZNF185	zinc finger protein 185 isoform 3 [Homo sapiens]	S64	0.23	0.22	ATsFSSAGEVPKPRPPSTR	1	6	2	0	2ｧTMT6plex [N-Term; K12]; 1ｧPhospho [S3(97.5)]	S3(Phospho): 97.51	T(2): 2.5; S(3): 97.5; S(5): 0.0; S(6): 0.0; S(17): 0.0; T(18): 0.0	SGRSRATsFSSAGEV	S3;	High	2510.316859					1	1	6.52	Low	1	5.156241894	High	0.0213	Yes
NP_055847.1	23047	7657269	PDS5B	sister chromatid cohesion protein PDS5 homolog B [Homo sapiens]	S1358; T1370	1.06	0.64	AEsPESSAIESTQStPQKGR	1	1	1	1	2ｧTMT6plex [N-Term; K18]; 2ｧPhospho [S3(99.8); T15(90.9)]	S3(Phospho): 99.76; T15(Phospho): 90.9	S(3): 99.8; S(6): 0.2; S(7): 0.2; S(11): 3.0; T(12): 3.0; S(14): 3.0; T(15): 90.9	RAQQRAEsPESSAIE;AIESTQStPQKGRGR	S3; T15;	High	2708.258156					1	1	6.43	Low	0.5	2.823781252	High	0.0071	Yes;Yes
NP_003371.2	7431	62414289	VIM	vimentin [Homo sapiens]	S25	0.87	0.62	MFGGPGTASRPsSSR	1	1	1	0	1ｧTMT6plex [N-Term]; 1ｧOxidation [M1(100)]; 1ｧPhospho [S12(99.8)]	M1(Oxidation): 100; S12(Phospho): 99.76	T(7): 0.1; S(9): 0.1; S(12): 99.8; S(13): 0.1; S(14): 0.0	PGTASRPsSSRSYVT	S12;	High	1819.835964					1	1	6.4	Low	0.8333	3.076795101	High	0.0649	Yes
NP_001008493.1	55740	56549694	ENAH	protein enabled homolog isoform a [Homo sapiens]	S508	0.29	6.75	TNTMNGSKsPVISR	1	1	2	1	2ｧTMT6plex [N-Term; K8]; 1ｧDeamidated [N5(98.8)]; 1ｧPhospho [S9(98.8)]	N5(Deamidated): 98.77; S9(Phospho): 98.77	T(1): 0.0; T(3): 0.0; S(7): 1.2; S(9): 98.8; S(13): 0.0	NTMNGSKsPVISRRD	S9;	High	2031.034613					1	1	6.39	Low	0.1667	3.128821135	High	0.0128	Yes
NP_004136.2	4650	33356170	MYO9B	unconventional myosin-IXb isoform 1 [Homo sapiens]	S1290	1.27	1.37	VQEKPDsPGGSTQIQR	1	2	1	0	2ｧTMT6plex [N-Term; K4]; 1ｧDeamidated [Q2(98)]; 1ｧPhospho [S7(99.9)]	Q2(Deamidated): 97.98; S7(Phospho): 99.9	S(7): 99.9; S(11): 0.1; T(12): 0.1	RVQEKPDsPGGSTQI	S7;	High	2266.148062					1	1	6.3	Low	0.5	2.883229494	High	0.0799	Yes
NP_001367.2	1778	33350932	DYNC1H1	cytoplasmic dynein 1 heavy chain 1 [Homo sapiens]	S4368	0.45	3.3	TDsTSDGRPAWMR	1	1	2	0	1ｧTMT6plex [N-Term]; 1ｧPhospho [S3(97.4)]	S3(Phospho): 97.44	T(1): 0.0; S(3): 97.4; T(4): 1.3; S(5): 1.3	EKKTRTDsTSDGRPA	S3;	High	1788.793764					1	1	6.25	Low	0.3333	2.994058609	High	0.0368	Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S1822; S1824	0.47	1.12	GGSGYHsRsPAR	1	1	1	1	1ｧTMT6plex [N-Term]; 2ｧPhospho [S7(100); S9(100)]	S7(Phospho): 100; S9(Phospho): 100	S(3): 0.0; Y(5): 0.0; S(7): 100.0; S(9): 100.0	RGGSGYHsRSPARQE;GSGYHSRsPARQESS	S7; S9;	High	1620.688251					1	1	6.17	Low	1	3.080628395	High	0.3766	Yes;Yes
NP_001136157.1	9743	218083800	ARHGAP32	rho GTPase-activating protein 32 isoform 1 [Homo sapiens]	S952	0.92	0.78	DATNRsPTQIVK	1	2	1	1	2ｧTMT6plex [N-Term; K12]; 1ｧPhospho [S6(100)]	S6(Phospho): 100	T(3): 0.0; S(6): 100.0; T(8): 0.0	ERDATNRsPTQIVKM	S6;	High	1868.004299					1	1	6.07	Low	0.3333	3.673961401	High	0.0899	Yes
NP_000928.1	5430	4505939	POLR2A	DNA-directed RNA polymerase II subunit RPB1 [Homo sapiens]	T1894; S1906	0.21	1.65	YSPTSPtYSPTSPVYTPTsPK	1	1	1	0	2ｧTMT6plex [N-Term; K21]; 3ｧPhospho [T7(98); S19(99.9); T/S/Y]	T4(Phospho): 49.99; S5(Phospho): 49.99; T7(Phospho): 98; S19(Phospho): 99.88	Y(1): 0.0; S(2): 1.8; T(4): 50.0; S(5): 50.0; T(7): 98.0; Y(8): 0.1; S(9): 0.1; T(11): 0.0; S(12): 0.0; Y(15): 0.0; T(16): 0.0; T(18): 0.1; S(19): 99.9	KYSPTSPtYSPTSPV;SPVYTPTsPKYSPTS	T7; S19;	High	2956.311177					1	1	6.07	Low	0.3333	3.036878109	High	0.2401	Yes;Yes
NP_073568.2	64710	56118310	NUCKS1	nuclear ubiquitous casein and cyclin-dependent kinase substrate 1 [Homo sapiens]	T179; S181	1.07	1	ATVtPsPVKGK	1	1	1	1	3ｧTMT6plex [N-Term; K9; K11]; 2ｧPhospho [T4(100); S6(100)]	T4(Phospho): 100; S6(Phospho): 100	T(2): 0.0; T(4): 100.0; S(6): 100.0	PRLKATVtPSPVKGK;LKATVTPsPVKGKGK	T4; S6;	High	1932.057543					1	1	6.05	Low	0.3333	3.0666852	High	0.1889	Yes;Yes
NP_005110.2	9967	167234419	THRAP3	thyroid hormone receptor-associated protein 3 [Homo sapiens]	S243	6.01	1.24	ASAVSELsPRER	1	1	1	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S8(100)]	S8(Phospho): 100	S(2): 0.0; S(5): 0.0; S(8): 100.0	ASAVSELsPRERSPA	S8;	High	1610.810066					1	1	5.9	Low	1	2.856941938	High	0.3112	Yes
NP_001135452.1	7158	213972636	TP53BP1	tumor suppressor p53-binding protein 1 isoform 1 [Homo sapiens]	S1033	1.21	0.86	KNGSTAVAESVAsPQK	1	3	1	1	3ｧTMT6plex [N-Term; K16; K]; 2ｧDeamidated [N2(100); Q15(100)]; 1ｧPhospho [S13(100)]	N2(Deamidated): 100; S13(Phospho): 100; Q15(Deamidated): 100	S(4): 0.0; T(5): 0.0; S(10): 0.0; S(13): 100.0	AVAESVAsPQKTMSV	S13;	High	2343.241184					1	1	5.85	Low	0.8333	3.700903893	High	0.1568	No
NP_976324.2	389677	118722349	RBM12B	RNA-binding protein 12B [Homo sapiens]	S710	0.91	0.69	RPPEEDFRHsPEEDFR	1	1	2	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S10(100)]	S10(Phospho): 100	S(10): 100.0	PEEDFRHsPEEDFRQ	S10;	High	2352.060754	15.4	46.04	20.1	47.3	2	2	5.83	Low	1	4.627126217	High	0.5248	Yes
NP_065789.1	57498	55741641	KIDINS220	kinase D-interacting substrate of 220 kDa [Homo sapiens]	S1555	0.91	1.05	VPKsPEHSAEPIR	1	1	1	1	2ｧTMT6plex [N-Term; K3]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(8): 0.0	KVERVPKsPEHSAEP	S4;	High	1985.062148					1	1	5.79	Low	1	3.176934481	High	0.2201	Yes
NP_078873.2	79649	147903302	MAP7D3	MAP7 domain-containing protein 3 isoform 1 [Homo sapiens]	S185	1.43	1	SAsTEKLEQGTSALIR	1	2	1	1	2ｧTMT6plex [N-Term; K6]; 1ｧPhospho [S3(100)]	S3(Phospho): 99.98	S(1): 0.0; S(3): 100.0; T(4): 0.0; T(11): 0.0; S(12): 0.0	TANKRSAsTEKLEQG	S3;	High	2229.189199					1	1	5.75	Low	0.3333	3.4064641	High	0.1349	Yes
NP_060670.1	10363	8922633	HMG20A	high mobility group protein 20A isoform a [Homo sapiens]	S105	1.23	1.29	DSNAPKsPLTGYVR	1	1	1	1	2ｧTMT6plex [N-Term; K6]; 1ｧPhospho [S7(100)]	S7(Phospho): 99.99	S(2): 0.0; S(7): 100.0; T(10): 0.0; Y(12): 0.0	RDSNAPKsPLTGYVR	S7;	High	2043.067627					1	1	5.72	Low	0.6667	2.98986721	High	0.1104	Yes
NP_001243399.1	54477	374349211	PLEKHA5	pleckstrin homology domain-containing family A member 5 isoform 4 [Homo sapiens]	T466	0.76	0.91	YPEGYRtLPR	1	4	1	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [T7(100)]	T7(Phospho): 100	Y(1): 0.0; Y(5): 0.0; T(7): 100.0	RYPEGYRtLPRNSKT	T7;	High	1560.77731					1	1	5.7	Low	1	3.203079224	High	0.1156	No
NP_005110.2	9967	167234419	THRAP3	thyroid hormone receptor-associated protein 3 [Homo sapiens]	S53; S55	0.98	0.81	SRsYsPAHNR	1	1	1	1	1ｧTMT6plex [N-Term]; 2ｧPhospho [S3(98); S5(100)]	S3(Phospho): 98.03; S5(Phospho): 100	S(1): 2.0; S(3): 98.0; Y(4): 0.0; S(5): 100.0	SSRSRSRsYSPAHNR;RSRSRSYsPAHNRER	S3; S5;	High	1563.666787					1	1	5.61	Low	1	3.207104206	High	0.1526	Yes;Yes
NP_001128342.1	170954	199559805	PPP1R18	phostensin [Homo sapiens]	S125	1.02	0.89	ERRPsPGEMR	1	1	1	1	1ｧTMT6plex [N-Term]; 1ｧOxidation [M9(100)]; 1ｧPhospho [S5(100)]	S5(Phospho): 100; M9(Oxidation): 100	S(5): 100.0	EARERRPsPGEMRDQ	S5;	High	1539.730042					1	1	5.61	Low	1	2.95778203	High	0.1588	Yes
NP_115812.1	283489	41281612	CHAMP1	chromosome alignment-maintaining phosphoprotein 1 [Homo sapiens]	S405	1.49	1.25	KTAPTLsPEHWK	1	1	1	1	3ｧTMT6plex [N-Term; K12; K]; 1ｧPhospho [S7(98.7)]	S7(Phospho): 98.7	T(2): 0.0; T(5): 1.3; S(7): 98.7	RKTAPTLsPEHWKAV	S7;	High	2162.197802					1	1	5.5	Low	0.6667	4.432974339	High	0.1106	Yes
NP_056418.1	26093	7661690	CCDC9	coiled-coil domain-containing protein 9 [Homo sapiens]	S80	1.94	1.62	sPGTPRPPGASK	1	1	1	0	2ｧTMT6plex [N-Term; K12]; 1ｧPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(4): 0.0; S(11): 0.0	NLGPSRRsPGTPRPP	S1;	High	1689.908942					1	1	5.48	Low	1	2.841222286	High	0.2289	Yes
NP_036382.2	22800	21361416	RRAS2	ras-related protein R-Ras2 isoform a [Homo sapiens]	S186	1.6	0.85	KFQEQECPPsPEPTR	1	3	1	1	2ｧTMT6plex [N-Term; K]; 1ｧCarbamidomethyl [C7]; 1ｧPhospho [S10(100)]	S10(Phospho): 100	S(10): 100.0; T(14): 0.0	QEQECPPsPEPTRKE	S10;	High	2368.140868					1	1	5.47	Low	1	3.007357836	High	0.196	Yes
NP_001073948.2	64283	295148073	ARHGEF28	rho guanine nucleotide exchange factor 28 isoform 1 [Homo sapiens]	S758	0.87	0.86	sVPGTTLESFRR	1	3	1	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; T(5): 0.0; T(6): 0.0; S(9): 0.0	QVHPLSRsVPGTTLE	S1;	High	1658.846452					1	1	5.33	Low	1	3.313055754	High	0.1964	Yes
NP_001289958.1	11187	732663005	PKP3	plakophilin-3 isoform PKP3b [Homo sapiens]	T265	0.69	0.67	APAVRtLQR	1	2	1	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [T6(100)]	T6(Phospho): 100	T(6): 100.0	IRAPAVRtLQRFQSS	T6;	High	1320.735051					1	1	5.33	Low	1	2.969134569	High	0.4882	No
NP_055871.1	23076	57863269	RRP1B	ribosomal RNA processing protein 1 homolog B [Homo sapiens]	S513	1.75	1.06	GsPTGGAQLLKR	1	1	1	1	2ｧTMT6plex [N-Term; K11]; 1ｧPhospho [S2(100)]	S2(Phospho): 100	S(2): 100.0; T(4): 0.0	HPQGPRGsPTGGAQL	S2;	High	1722.966791					1	1	5.32	Low	1	3.965189934	High	0.194	Yes
NP_037418.3	29890	54607124	RBM15B	putative RNA-binding protein 15B [Homo sapiens]	T631	0.73	1.65	GSDRtPER	1	1	1	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [T5(100)]	T5(Phospho): 100	S(2): 0.0; T(5): 100.0	SERGSDRtPERSRKE	T5;	High	1226.572796					1	1	5.32	Low	0.4	3.066058159	High	0.342	Yes
NP_005830.2	10250	42542379	SRRM1	serine/arginine repetitive matrix protein 1 isoform 2 [Homo sapiens]	S450; S452	0.92	1.34	REsPsPAPKPR	1	3	1	1	2ｧTMT6plex [N-Term; K9]; 2ｧPhospho [S3(100); S5(100)]	S3(Phospho): 100; S5(Phospho): 100	S(3): 100.0; S(5): 100.0	KGTEKREsPSPAPKP;TEKRESPsPAPKPRK	S3; S5;	High	1839.928371					1	1	5.28	Low	1	4.610582352	High	0.6508	Yes;Yes
NP_057417.3	23524	118572613	SRRM2	serine/arginine repetitive matrix protein 2 [Homo sapiens]	S377; S395	1.06	1.15	HGGsPQPLATTPLSQEPVNPPsEASPTR	1	1	1	0	1ｧTMT6plex [N-Term]; 3ｧPhospho [S4(100); S22(96.4); T/S]	S4(Phospho): 100; T10(Phospho): 49.09; T11(Phospho): 49.09; S22(Phospho): 96.44	S(4): 100.0; T(10): 49.1; T(11): 49.1; S(14): 1.8; S(22): 96.4; S(25): 3.6; T(27): 0.0	LAERHGGsPQPLATT;QEPVNPPsEASPTRD	S4; S22;	High	3321.479249					1	1	5.2	Low	0.4	3.776912451	High	0.1693	Yes;Yes
NP_055885.3	23091	116008442	ZC3H13	zinc finger CCCH domain-containing protein 13 [Homo sapiens]	S77	0.96	1.26	RsPERPTGDLR	1	1	1	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S2(100)]	S2(Phospho): 98.68	S(2): 98.7; T(7): 1.3	YSSNYRRsPERPTGD	S2;	High	1592.810735					1	1	5.1	Low	1	2.933909416	High	0.2184	Yes
NP_057166.4	51654	499591467	CDK5RAP1	CDK5 regulatory subunit-associated protein 1 isoform b [Homo sapiens]	S318	1.21	1.92	DNSEVQFNsAVPTNLSR	1	4	2	0	1ｧTMT6plex [N-Term]; 1ｧDeamidated [N8(100)]; 1ｧPhospho [S16(97.2)]	Q6(Deamidated): 50.54; N8(Deamidated): 49.25; S9(Phospho): 98.34	S(3): 1.4; S(9): 98.3; T(13): 0.1; S(16): 0.1	NSEVQFNsAVPTNLS	S9;	High	2188.012073					1	1	5.05	Low	0.4	3.147457838	High	0.0254	No
NP_001128342.1	170954	199559805	PPP1R18	phostensin [Homo sapiens]	S368	1.78	1.11	LLEsPGVEAGEGEAEKEEAGAQGRPLR	1	1	1	1	2ｧTMT6plex [N-Term; K16]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	SAEKLLEsPGVEAGE	S4;	High	3317.677885					1	1	5.01	Low	1	5.530843258	High	0.5389	Yes
NP_055554.1	9774	7661958	BCLAF1	bcl-2-associated transcription factor 1 isoform 1 [Homo sapiens]	S648	1.74	1.07	QKsPEIHR	1	4	1	1	2ｧTMT6plex [N-Term; K2]; 1ｧPhospho [S3(100)]	S3(Phospho): 100	S(3): 100.0	EHSTRQKsPEIHRRI	S3;	High	1532.835049					1	1	4.79	Low	1	2.934437513	High	0.5188	Yes
NP_203746.1	89849	55743108	ATG16L2	autophagy-related protein 16-2 [Homo sapiens]	S304	1.37		RGHsIGGAPEQR	1	1	1	1	1ｧTMT6plex [N-Term]; 1ｧPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0	FKKRRGHsIGGAPEQ	S4;	High	1573.779769					1		4.77	Low	1	2.858791351	High	0.5909	Yes
NP_056473.2	26155	157694511	NOC2L	nucleolar complex protein 2 homolog [Homo sapiens]	S49	1.32	1.33	EAARsPDKPGGSPSASR	1	1	1	1	2ｧTMT6plex [N-Term; K8]; 1ｧPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(12): 0.0; S(14): 0.0; S(16): 0.0	EAREAARsPDKPGGS	S5;	High	2208.117431					1	1	4.73	Low	1	3.963928699	High	0.351	Yes
NP_064703.1	57018	9945320	CCNL1	cyclin-L1 isoform 1 [Homo sapiens]	S374	1.21	0.94	QQASKsPYNGVR	1	2	2	1	2ｧTMT6plex [N-Term; K5]; 1ｧDeamidated [N9(100)]; 1ｧPhospho [S6(98.6)]	S6(Phospho): 98.58; N9(Deamidated): 100	S(4): 1.4; S(6): 98.6; Y(8): 0.0	DRQQASKsPYNGVRK	S6;	High	1873.957349					1	1	4.62	Low	0.2	2.853790998	High	0.014	Yes
NP_002703.1	5510	4506013	PPP1R7	protein phosphatase 1 regulatory subunit 7 isoform 1 [Homo sapiens]	S27	0.97	1.44	VESEEsGDEEGKK	1	3	1	1	3ｧTMT6plex [N-Term; K12; K13]; 1ｧPhospho [S6(100)]	S6(Phospho): 99.99	S(3): 0.0; S(6): 100.0	RRVESEEsGDEEGKK	S6;	High	2190.0782					1	1	4.58	Low	1	2.832683325	High	0.1484	Yes
NP_077003.1	79080	13129104	CCDC86	coiled-coil domain-containing protein 86 [Homo sapiens]	S58; S69	2.47	1.73	AGLGsPERPPKTSPGsPR	1	1	1	1	2ｧTMT6plex [N-Term; K11]; 3ｧPhospho [S5(100); S16(99.9); T/S]	S5(Phospho): 100; T12(Phospho): 50.05; S13(Phospho): 50.05; S16(Phospho): 99.9	S(5): 100.0; T(12): 50.1; S(13): 50.1; S(16): 99.9	VQRAGLGsPERPPKT;PPKTSPGsPRLQQGA	S5; S16;	High	2489.175627					1	1	4.48	Low	1	3.13077116	High	0.0607	Yes;Yes
NP_829884.1	23085	38045898	ERC1	ELKS/Rab6-interacting/CAST family member 1 isoform epsilon [Homo sapiens]	S7	1.35	1.07	sVGKVEPSSQSPGR	1	3	1	1	2ｧTMT6plex [N-Term; K4]; 1ｧPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(8): 0.0; S(9): 0.0; S(11): 0.0	_MYGSARsVGKVEPS	S1;	High	1953.020677					1	1	4.38	Low	0.5	3.238736153	High	0.6049	No

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells

Rajagopalan *et al* ., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_001128119.1	60312	197382472	AFAP1	actin filament-associated protein 1 isoform A [Homo sapiens]	S752	1.36	1.79	SGTSSPQsPVFR	1	2	1	0	1ﾃTMT6plex [N-Term]; 1ﾃDeamidated [Q7(100)]; 1ﾃPhospho [S8(100)]	Q7(Deamidated): 100; S8(Phospho): 100	S(1): 0.0; T(3): 0.0; S(4): 0.0; S(5): 0.0; S(8): 100.0	SGTSSPQsPVFRHRT	S8;	High	1559.73042					1	1	4.25	Low	1	2.633387804	High	0.1673	No
NP_056473.2	26155	157694511	NOC2L	nucleolar complex protein 2 homolog [Homo sapiens]	S56	1.09	1.22	SPDKPGGsPSASR	1	1	1	0	2ﾃTMT6plex [N-Term; K4]; 1ﾃPhospho [S8(100)]	S8(Phospho): 99.95	S(1): 0.0; S(8): 100.0; S(10): 0.1; S(12): 0.0	SPDKPGGsPSASRRK	S8;	High	1780.899499					1	1	4.18	Low	1	3.004160404	High	0.06	Yes
NP_001262.3	1106	118421089	CHD2	chromodomain-helicase-DNA-binding protein 2 isoform 1 [Homo sapiens]	S1807	1.18	1.05	SPLDHRsPLER	1	1	1	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S7(100)]	S7(Phospho): 100	S(1): 0.0; S(7): 100.0	KSPLDHRsPLERSLE	S7;	High	1615.815486					1	1	4.15	Low	1	2.983970404	High	0.4597	Yes
NP_057604.1	51759	7706557	C9orf78	uncharacterized protein C9orf78 [Homo sapiens]	S261	1.86	1.61	VGDTEKPEPERsPPNR	1	1	1	1	2ﾃTMT6plex [N-Term; K6]; 1ﾃPhospho [S12(100)]	S12(Phospho): 100	T(4): 0.0; S(12): 100.0	EKPEPERsPPNRKRP	S12;	High	2346.18551					1	1	4.09	Low	1	3.261791945	High	0.2883	Yes
NP_919424.1	3930	37595752	LBR	lamin-B receptor [Homo sapiens]	S99	3.91	0.79	SAsASHQADIKEAR	1	1	1	1	2ﾃTMT6plex [N-Term; K11]; 1ﾃPhospho [S3(100)]	S3(Phospho): 99.98	S(1): 0.0; S(3): 100.0; S(5): 0.0	KSARRSAsASHQADI	S3;	High	2009.021739					1	1	4.01	Low	0.75	2.992786407	High	0.107	Yes
NP_079031.2	79811	63176611	SLTM	SAFB-like transcription modulator isoform a [Homo sapiens]	S421	1.6	0.82	VVTNARsPGAK	1	2	1	1	2ﾃTMT6plex [N-Term; K11]; 1ﾃPhospho [S7(100)]	S7(Phospho): 100	T(3): 0.0; S(7): 100.0	KVVTNARsPGAKCYG	S7;	High	1637.914027					1	1	3.91	Low	1	3.283840895	High	0.2043	Yes
NP_006035.2	10013	13128864	HDAC6	histone deacetylase 6 [Homo sapiens]	S22	1.26	0.76	QNPQsPPQDSSVTSKR	1	1	1	1	2ﾃTMT6plex [N-Term; K15]; 1ﾃPhospho [S5(100)]	S5(Phospho): 100	S(5): 100.0; S(10): 0.0; S(11): 0.0; T(13): 0.0; S(14): 0.0	RSRQNPQsPPQDSSV	S5;	High	2294.15421					1	1	3.68	Low	1	2.884862185	High	0.3438	Yes
NP_055855.2	200576	121583483	PIKFYVE	1-phosphatidylinositol 3-phosphate 5-kinase isoform 2 [Homo sapiens]	S299	1.11	0.83	LVSVQEDAGKsPAR	1	3	1	1	2ﾃTMT6plex [N-Term; K10]; 1ﾃPhospho [S11(100)]	S11(Phospho): 100	S(3): 0.0; S(11): 100.0	VQEDAGKsPARNRSA	S11;	High	1995.067627					1	1	3.56	Low	0.5	3.036215544	High	0.5099	Yes
NP_055979.2	23207	221139728	PLEKHM2	pleckstrin homology domain-containing family M member 2 [Homo sapiens]	S264	0.85	1.26	ASTRsPTQR	1	1	1	1	1ﾃTMT6plex [N-Term]; 1ﾃDeamidated [Q8(100)]; 1ﾃPhospho [S5(100)]	S5(Phospho): 99.95; Q8(Deamidated): 100	S(2): 0.0; T(3): 0.0; S(5): 100.0; T(7): 0.0	SSKASTRsPTQRQNP	S5;	High	1313.641211					1	1	3.44	Low	0.3333	3.03873086	High	0.0987	No
NP_001020272.1	4155	68509940	MBP	Golli-MBP isoform 1 [Homo sapiens]	S19	1.41	2	ASTNsETNRGESEK	1	2	1	1	2ﾃTMT6plex [N-Term; K14]; 1ﾃPhospho [S5(98.4)]	S5(Phospho): 98.45	S(2): 0.0; T(3): 1.5; S(5): 98.5; T(7): 0.0; S(12): 0.0	AEKASTNsETNRGES	S5;	High	2047.969763					1	1	3.42	Low	1	3.159780741	High	0.0506	Yes
NP_073568.2	64710	56118310	NUCKS1	nuclear ubiquitous casein and cyclin-dependent kinase substrate 1 [Homo sapiens]	S58; S61	1.14	0.77	NSQEDsEDsEDKDVK	1	1	1	1	3ﾃTMT6plex [N-Term; K12; K15]; 1ﾃDeamidated [N1(97.6)]; 2ﾃPhospho [S6(100); S9(100)]	N1(Deamidated): 97.56; S6(Phospho): 100; S9(Phospho): 100	S(2): 0.0; S(6): 100.0; S(9): 100.0	GKNSQEDsEDSEDKD;SQEDSEDsEDKDVKT	S6; S9;	High	2573.114796					1	1	2.59	Low	1	2.919776201	High	0.0788	Yes;Yes
NP_002381.2	4185	4585710	ADAM11	disintegrin and metalloproteinase domain-containing protein 11 preproprotein [Homo sapiens]	258; T262; Y2	0.84	4.85	QsVVLtSNFAKSVVNLADVIyK	1	1	1	1	3ﾃTMT6plex [N-Term; K11; K22]; 1ﾃDeamidated [N15(100)]; 3ﾃPhospho [S2(100); T6(91.5); Y21(100)]	S2(Phospho): 99.96; T6(Phospho): 91.53; N15(Deamidated): 100; Y21(Phospho): 100	S(2): 100.0; T(6): 91.5; S(7): 4.3; S(12): 4.3; Y(21): 100.0	LFEQMRQsVVLTSNF;MRQSVVLtSNFAKSV;VNLADVIyKEQLNTR	S2; T6; Y21;	High	3323.694942					1	1	2.46	Low	1	2.921412945	High	0.226	No;No;No
NP_004360.2	1293	55743098	COL6A3	collagen alpha-3(VI) chain isoform 1 precursor [Homo sapiens]	T1581	0.84	0.94	tELQTITNDPRLVFTVR	1	3	1	1	1ﾃTMT6plex [N-Term]; 2ﾃDeamidated [Q4(100); N8(100)]; 1ﾃPhospho [T1(100)]	T1(Phospho): 99.95; Q4(Deamidated): 100; N8(Deamidated): 100	T(1): 100.0; T(5): 0.1; T(7): 0.0; T(15): 0.0	GDRNIDRtELQTITN	T1;	High	2314.18931					1	1	2.31	Low	1	3.857175112	High	0.0959	No
NP_005912.1	4214	153945765	MAP3K1	mitogen-activated protein kinase kinase kinase 1 [Homo sapiens]	S292	1.1	0.6	RAPsPDGFSPYSPEETNR	1	1	1	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S4(100)]	S4(Phospho): 100	S(4): 100.0; S(9): 0.0; Y(11): 0.0; S(12): 0.0; T(16): 0.0	TPPRRAPsPDGFSPY	S4;	High	2316.049521					1	1	2.31	Low	1	3.688546896	High	0.2602	Yes
NP_001181875.1	1981	302699245	EIF4G1	eukaryotic translation initiation factor 4 gamma 1 isoform 6 [Homo sapiens]	S1201	0.53	0.71	sRERPSQPEGLR	1	7	1	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S1(100)]	S1(Phospho): 100	S(1): 100.0; S(6): 0.0	SKEVEERsRERPSQP	S1;	High	1720.869313					1	1	2.11	Low	1	3.549139023	High	0.2451	No
NP_056145.4	23384	513788261	SPECC1L	cytospin-A isoform 1 [Homo sapiens]	S113	0.9	1.26	STsTGNKESSSTR	1	2	1	1	2ﾃTMT6plex [N-Term; K7]; 1ﾃPhospho [S3(96.8)]	S3(Phospho): 96.84	S(1): 0.0; T(2): 1.6; S(3): 96.8; T(4): 1.6; S(9): 0.0; S(10): 0.0; S(11): 0.0; T(12): 0.0	SSTKRSTsTGNKESS	S3;	High	1879.916271					1	1	2.11	Low	1	2.93725419	High	0.051	Yes
NP_612429.2	113146	156766050	AHNAK2	protein AHNAK2 [Homo sapiens]	S5707	0.53	0.34	LGFSSsPTKK	1	1	1	1	3ﾃTMT6plex [N-Term; K9; K10]; 1ﾃPhospho [S6(100)]	S6(Phospho): 99.99	S(4): 0.0; S(5): 0.0; S(6): 100.0; T(8): 0.0	PKLGFSSsPTKKSKS	S6;	High	1819.033363					1	1	1.66	Low	1	2.829515696	High	0.1095	Yes
NP_056473.2	26155	157694511	NOC2L	nucleolar complex protein 2 homolog [Homo sapiens]	S56	1.09	1.15	SPDKPGGsPSASRR	1	1	1	1	2ﾃTMT6plex [N-Term; K4]; 1ﾃPhospho [S8(100)]	S8(Phospho): 100	S(1): 0.0; S(8): 100.0; S(10): 0.0; S(12): 0.0	SPDKPGGsPSASRRK	S8;	High	1937.00061					1	1	1.63	Low	1	2.942331314	High	0.0816	Yes
NP_054706.1	7414	7669550	VCL	vinculin isoform meta-VCL [Homo sapiens]	S579	1.29	0.63	ALASQLQDsLKDLK	1	2	1	1	3ﾃTMT6plex [N-Term; K11; K14]; 1ﾃPhospho [S9(100)]	S9(Phospho): 100	S(4): 0.0; S(9): 100.0	LASQLQDsLKDLKAR	S9;	High	2297.308475					1	1	1.57	Low	1	3.0440979	High	0.273	Yes
NP_001131024.1	9208	212276096	LRRFIP1	leucine-rich repeat flightless-interacting protein 1 isoform 3 [Homo sapiens]	S116	1.38	0.22	NMPGLSAATLASLGGTSsR	1	5	2	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S18(94.3)]	S18(Phospho): 94.26	S(6): 0.0; T(9): 0.0; S(12): 0.0; T(16): 2.9; S(17): 2.9; S(18): 94.3	ASLGGTSsRRGSGDT	S18;	High	2100.035785					1	1	0.83	Low	1	3.435125351	High	0.0436	Yes
NP_001291311.1	2994	749502316	GYPB	glycophorin-B isoform 2 [Homo sapiens]	T10	0.86	0.46	MHTSTSSSVtK	1	1	1	0	2ﾃTMT6plex [N-Term; K11]; 1ﾃOxidation [M1(100)]; 1ﾃPhospho [T10(97.4)]	M1(Oxidation): 100; T10(Phospho): 97.42	T(3): 0.0; S(4): 0.0; T(5): 0.0; S(6): 0.0; S(7): 0.0; S(8): 2.6; T(10): 97.4	TSTSSSVtKSYISSQ	T10;	High	1719.838873					1	1	0.07	Low		2.89460063	High	0.0346	No
NP_689769.2	154743	116812632	C7orf60	probable methyltransferase BTM2 homolog [Homo sapiens]	T21	0.99	0.4	AGSPNtPPPREQER	1	1	1	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [T6(99.9)]	T6(Phospho): 99.94	S(3): 0.1; T(6): 99.9	QRAGSPNtPPPREQE	T6;	High	1844.885356					1	1	0.05	Low		2.880391359	High	0.2222	No
NP_055456.2	9656	132626688	MDC1	mediator of DNA damage checkpoint protein 1 [Homo sapiens]	T1302	1.44	0.83	TPEPVVPTAPELRPSTSTDRPVtPKPTSR	1	1	1	0	2ﾃTMT6plex [N-Term; K25]; 1ﾃPhospho [T23(100)]	T23(Phospho): 99.98	T(1): 0.0; T(8): 0.0; S(15): 0.0; T(16): 0.0; S(17): 0.0; T(18): 0.0; T(23): 100.0; T(27): 0.0; S(28): 0.0	TSTDRPVtPKPTSRT	T23;	High	3651.951146					1	1				5.773153305	High	0.1127	Yes
NP_149072.2	11083	301129165	DIDO1	death-inducer obliterator 1 isoform c [Homo sapiens]	S1456	1.59	0.85	RNsVERPAEPVAGAATPSLVEQQK	1	1	1	1	2ﾃTMT6plex [N-Term; K24]; 1ﾃDeamidated [N2(100)]; 1ﾃPhospho [S3(100)]	N2(Deamidated): 100; S3(Phospho): 99.99	S(3): 100.0; T(16): 0.0; S(18): 0.0	CADVRRNsVERPAEP	S3;	High	3073.608349					1	1				5.425899029	High	0.1473	Yes
NP_001106962.1	154796	166064029	AMOT	angiomotin isoform 1 [Homo sapiens]	419; Y420; S4	0.81	1.34	AQPSSAsyQPVPADPFAIVsR	1	2	1	0	1ﾃTMT6plex [N-Term]; 3ﾃPhospho [S7(83.6); Y8(83.6); S20(98.1)]	S7(Phospho): 83.65; Y8(Phospho): 83.65; S20(Phospho): 98.12	S(4): 17.3; S(5): 17.3; S(7): 83.7; Y(8): 83.7; S(20): 98.1	RAQPSSAsYQPVPAD;AQPSSAyQPVPADP;ADPFAIVsRAQQMVE	S7; Y8; S20;	High	2657.165233					1	1				5.385879517	High	0.1206	No;Yes;No
NP_075391.3	65123	39995084	INTS3	integrator complex subunit 3 [Homo sapiens]	S67	0.86	0.76	CMSIVTSMTAGVsEREANDALNAYVCK	1	1	1	1	2ﾃTMT6plex [N-Term; K27]; 2ﾃCarbamidomethyl [C1; C26]; 1ﾃOxidation [M8(100)]; 1ﾃPhospho [S13(88.1)]	M8(Oxidation): 99.98; S13(Phospho): 88.08	S(3): 0.0; T(6): 0.2; S(7): 1.3; T(9): 10.2; S(13): 88.1; Y(24): 0.2	TSMTAGVsEREANDA	S13;	High	3531.639333					1	1				5.047441483	High		No
NP_039269.2	3980	73747829	LIG3	DNA ligase 3 isoform alpha precursor [Homo sapiens]	203; T204; S2	0.83	1.14	LttTGQVTSPVKGAsFVTSTNPR	1	2	2	1	2ﾃTMT6plex [N-Term; K12]; 1ﾃDeamidated [Q6(99.6)]; 3ﾃPhospho [T2(98.6); T3(90); S15(77.1)]	T2(Phospho): 98.61; T3(Phospho): 89.96; Q6(Deamidated): 99.6; S15(Phospho): 77.11	T(2): 98.6; T(3): 90.0; T(4): 9.7; T(8): 1.9; S(9): 1.9; S(15): 77.1; T(18): 7.0; S(19): 7.0; T(20): 6.9	AVVQAKLtTTGQVTS;VVQAKLTtTGQVTSP;TSPVKGAsFVTSTNP	T2; T3; S15;	High	3048.449737					1	1				4.981619835	High	0.0341	No;Yes;Yes
NP_001245257.1	23526	385251392	HMHA1	minor histocompatibility protein HA-1 isoform 2 precursor [Homo sapiens]	T75; T77	4.13	0.54	DGADAVFPGPSLEPPAGSSGVKAtGtLK	1	2	1	1	3ﾃTMT6plex [N-Term; K22; K28]; 2ﾃPhospho [T24(99.6); T26(100)]	T24(Phospho): 99.58; T26(Phospho): 99.97	S(11): 0.0; S(18): 0.0; S(19): 0.4; T(24): 99.6; T(26): 100.0	GSSGVKAtGTLKRPT;SGVKATGtLKRPTSL	T24; T26;	High	3473.757344					1	1				4.802975655	High	0.0104	No;No
NP_001193928.1	11113	332801082	CIT	citron Rho-interacting kinase isoform 1 [Homo sapiens]	T933	1.01	0.63	QLTELQLSLQERESQLtALQAAR	1	2	1	1	1ﾃTMT6plex [N-Term]; 3ﾃDeamidated [Q1(94.2); Q15(99.2); Q20(99.8)]; 1ﾃPhospho [T17(94.2)]	Q1(Deamidated): 94.18; Q15(Deamidated): 99.18; T17(Phospho): 94.25; Q20(Deamidated): 99.81	T(3): 0.0; S(8): 0.2; S(14): 5.6; T(17): 94.3	QERESQLtALQAARA	T17;	High	2938.497179					1	1				4.632751465	High	0.0734	No
NP_000584.2	6890	9665248	TAP1	antigen peptide transporter 1 isoform 1 [Homo sapiens]	S683; T694	0.22	0.23	SGAHsFISGLPQGYDtEVDEAGSQLSGGQR	1	2	1	0	1ﾃTMT6plex [N-Term]; 1ﾃDeamidated [Q29(99.8)]; 2ﾃPhospho [S5(86.2); T16(85.7)]	S5(Phospho): 86.22; T16(Phospho): 85.66; Q29(Deamidated): 99.85	S(1): 6.9; S(5): 86.2; S(8): 7.4; Y(14): 6.9; T(16): 85.7; S(23): 6.8; S(26): 0.1	AVKSGAHsFISGLPQ;GLPQGYDtEVDEAGS	S5; T16;	High	3440.48822					1	1				4.511472702	High	0.0798	No;No
NP_057128.2	51011	156231349	FAHD2A	fumarylacetoacetate hydrolase domain-containing protein 2A [Homo sapiens]	T277; T279	1.46	1.17	TEDLIAWVSQFVTFYPGDVILtGtPPGVGVFR	1	2	1	0	1ﾃTMT6plex [N-Term]; 3ﾃPhospho [T22(99.8); T24(100); S/T/Y]	S9(Phospho): 47.13; T13(Phospho): 47.13; T22(Phospho): 99.83; T24(Phospho): 99.99	T(1): 5.2; S(9): 47.1; T(13): 47.1; Y(15): 0.7; T(22): 99.8; T(24): 100.0	YPGDVILtGTPPGVG;GDVILTGtPPGVGVF	T22; T24;	High	3950.866144					1	1				4.366864204	High	0.0069	No;No
NP_060218.1	54883	8923271	CWC25	pre-mRNA-splicing factor CWC25 homolog [Homo sapiens]	S318	1.27	1.04	ETGQTRSPsPK	1	1	1	1	2ﾃTMT6plex [N-Term; K11]; 2ﾃPhospho [S9(100); T/S]	T2(Phospho): 49.38; T5(Phospho): 49.38; S9(Phospho): 100	T(2): 49.4; T(5): 49.4; S(7): 1.2; S(9): 100.0	TGQTRSPsPKKEVYQ	S9;	High	1805.860016					1	1				3.879064798	High	0.2345	Yes
NP_001243000.2	57674	597709777	RNF213	E3 ubiquitin-protein ligase RNF213 isoform 3 [Homo sapiens]	Y2351	0.75	1.43	DLyQGLLLQRVPFNVDFDK	1	1	1	1	2ﾃTMT6plex [N-Term; K19]; 1ﾃPhospho [Y3(100)]	Y3(Phospho): 100	Y(3): 100.0	DVMTRDLyQGLLLQR	Y3;	High	2818.494488					1	1				3.526237965	High	0.2295	No
NP_001135452.1	7158	213972636	TP53BP1	tumor suppressor p53-binding protein 1 isoform 1 [Homo sapiens]	S270	4.54	0.5	EQNPPPARSEDMPFsPK	1	3	1	1	2ﾃTMT6plex [N-Term; K17]; 1ﾃOxidation [M12(100)]; 1ﾃPhospho [S15(100)]	M12(Oxidation): 100; S15(Phospho): 100	S(9): 0.0; S(15): 100.0	RSEDMPFsPKASVAA	S15;	High	2481.188547					1	1				3.175347567	High	0.2516	No
NP_201574.3	93099	298566204	DMKN	dermokine isoform 2 precursor [Homo sapiens]	T81	1.37	1.04	EAVGtGVRQVPGFGVADALGNR	1	7	1	1	1ﾃTMT6plex [N-Term]; 1ﾃDeamidated [Q/N]; 1ﾃPhospho [T5(100)]	T5(Phospho): 100; N21(Deamidated): 95.56	T(5): 100.0	GTREAVGtGVRQVPG	T5;	High	2480.249618					1	1				3.158351183	High	0.1044	No
NP_056140.1	23379	149363685	ICE1	little elongation complex subunit 1 [Homo sapiens]	S457	1.49	1.25	VTTSGLETFTATLRESSATHsLVGEK	1	1	2	1	2ﾃTMT6plex [N-Term; K26]; 1ﾃPhospho [S21(95.6)]	S21(Phospho): 95.56	T(2): 0.0; T(3): 0.0; S(4): 0.0; T(8): 0.0; T(10): 0.0; T(12): 0.0; S(16): 0.2; S(17): 0.2; T(19): 4.0; S(21): 95.6	RESSATHsLVGEKHW	S21;	High	3260.681573					1	1				3.127523899	High		Yes
NP_066001.1	57710	149274646	KIAA1614	uncharacterized protein KIAA1614 [Homo sapiens]	S577; S578	0.97	0.99	TLQELQAACGMERVLGGLssPLR	1	1	1	1	1ﾃTMT6plex [N-Term]; 1ﾃCarbamidomethyl [C9]; 1ﾃOxidation [M11(100)]; 1ﾃDeamidated [Q6(92.7)]; 2ﾃPhospho [S19(100); S20(100)]	Q6(Deamidated): 92.68; M11(Oxidation): 100; S19(Phospho): 100; S20(Phospho): 100	T(1): 0.0; S(19): 100.0; S(20): 100.0	ERVLGGLsSPLRLLP;RVLGGLSsPLRLLPA	S19; S20;	High	2892.359913					1	1				3.127355576	High	0.0639	No;No
NP_958431.2	23164	50980301	MPRIP	myosin phosphatase Rho-interacting protein isoform 2 [Homo sapiens]	S619	1	0.57	MEVDRsPGLPMSDLK	1	2	1	1	2ﾃTMT6plex [N-Term; K15]; 2ﾃOxidation [M1(100); M11(100)]; 1ﾃPhospho [S6(100)]	M1(Oxidation): 100; S6(Phospho): 100; M11(Oxidation): 100	S(6): 100.0; S(12): 0.0	LRMEVDRsPGLPMSD	S6;	High	2245.100978					1	1				3.125673056	High	0.2141	Yes
NP_056240.2	25885	103471997	POLR1A	DNA-directed RNA polymerase I subunit RPA1 [Homo sapiens]	T464	0.54	0.11	SVICPDMYINTNEIGIPMVFAtK	1	1	2	0	2ﾃTMT6plex [N-Term; K23]; 1ﾃCarbamidomethyl [C4]; 1ﾃPhospho [T22(100)]	T22(Phospho): 100	S(1): 0.0; Y(8): 0.0; T(11): 0.0; T(22): 100.0	GIPMVFAtKLTYPQP	T22;	High	3151.568324	3.01	13.65	2.3	2.1	2	2				3.123934031	High	0.0962	No
NP_077084.1	5252	13435397	PHF1	PHD finger protein 1 isoform b [Homo sapiens]	S453	0.39	1.03	MFAsFHPSASTAGTSGDSGPPDR	1	1	1	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S4(100)]	S4(Phospho): 99.98	S(4): 100.0; S(8): 0.0; S(10): 0.0; T(11): 0.0; T(14): 0.0; S(15): 0.0; S(18): 0.0	SPIRMFAsFHPSAST	S4;	High	2589.127848					1	1				3.022646189	High	0.0894	No
NP_817092.1	5496	29826282	PPM1G	protein phosphatase 1G [Homo sapiens]	S183	0.18	0.05	SGGGTGEEPGsQGLNGEAGPEDSTR	1	1	1	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S11(100)]	S11(Phospho): 100	S(1): 0.0; T(5): 0.0; S(11): 100.0; S(23): 0.0; T(24): 0.0	GTGEEPGsQGLNGEA	S11;	High	2655.136892					1	1				3.007500887	High	0.3056	Yes
NP_060404.3	55023	34996489	PHIP	PH-interacting protein [Homo sapiens]	S1281; S1283	1.14	0.42	VLsDsEDEEKDADVPGTSTR	1	1	1	1	2ﾃTMT6plex [N-Term; K10]; 2ﾃPhospho [S3(100); S5(100)]	S3(Phospho): 100; S5(Phospho): 100	S(3): 100.0; S(5): 100.0; T(17): 0.0; S(18): 0.0; T(19): 0.0	SMKKKVLsDSEDEEK;KKKVLSDsEDEEKDA	S3; S5;	High	2768.231667					1	1				2.926346302	High	0.4403	Yes;Yes
NP_001136336.2	9780	257196142	PIEZO1	piezo-type mechanosensitive ion channel component 1 [Homo sapiens]	S1484	0.68	0.87	QEQAGQLPTGGGPsQEVEPAEGPEEAAAGR	1	1	1	0	1ﾃTMT6plex [N-Term]; 2ﾃDeamidated [Q15(94.9); Q]; 1ﾃPhospho [S14(92.6)]	Q3(Deamidated): 52.47; Q6(Deamidated): 52.2; S14(Phospho): 92.59; Q15(Deamidated): 94.86	T(9): 7.4; S(14): 92.6	LPTGGGPsQEVEPAE	S14;	High	3258.463706					1	1				2.903714418	High	0.0966	No
NP_065905.2	57614	109948292	KIAA1468	lisH domain and HEAT repeat-containing protein KIAA1468 [Homo sapiens]	S141	1.92	1.84	QsGTPPGMGAPGVPGAAGVGGAGGREPSTASGGGQLNR	1	1	2	1	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [S2(93.4)]	S2(Phospho): 93.39	S(2): 93.4; T(4): 6.6; S(28): 0.0; T(29): 0.0; S(31): 0.0	PGNFERQsGTPPGMG	S2;	High	3626.733235					1	1				2.892217159	High	0.0277	Yes
NP_001159611.1	254251	260764001	LCORL	ligand-dependent nuclear receptor corepressor-like protein isoform 1 [Homo sapiens]	T503	1.5	1.11	NGTVDGTSENtEDGLDR	1	1	1	0	1ﾃTMT6plex [N-Term]; 1ﾃPhospho [T11(100)]	T11(Phospho): 99.99	T(3): 0.0; T(7): 0.0; S(8): 0.0; T(11): 100.0	VDGTSENtEDGLDRK	T11;	High	2088.892017					1	1				2.891632795	High	0.2249	No
NP_001032895.2	57701	208022661	NCKAP5L	nck-associated protein 5-like [Homo sapiens]	S1141	2.33	0.34	TLDSGIGTFPPPDHGSSGTPsK	1	1	1	0	2ﾃTMT6plex [N-Term; K22]; 2ﾃPhospho [S21(100); T/S]	T1(Phospho): 49.92; S4(Phospho): 49.92; S21(Phospho): 99.95	T(1): 49.9; S(4): 49.9; T(8): 0.2; S(16): 0.0; S(17): 0.0; T(19): 0.0; S(21): 100.0	HGSSGTPsKNLPKTK	S21;	High	2773.288728					1	1				2.884070635	High	0.2153	No

Supplementary Table S2. List of quantified phosphopeptides in OKF6/TERT1-Smoke cells
Balasenthil et al., 2017. Role of protein kinase N2 (PKN2) in cigarette smoke-mediated oncogenic transformation of oral cells.

NP_Accession	Gene ID	Protein Accessions	Gene Symbol	Protein Description	PhosphoSite (Protein)	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/127) R2	Peptide Sequence	# Protein Groups	# Proteins	# PSMs	# Missed Cleavages	Modifications	ptmRS: Best Site Probabilities	ptmRS: Phospho Site Probabilities	Phosphowindow	PhosphoSite (Peptide)	Confidence	Theo. MH+ [Da]	Ratio Standard Errors [%]:OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Standard Errors [%]: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Variabilities [%]: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (130/126) R1	Ratio Counts: F4: OKF6/TERT1-Smoke/ OKF6/TERT1-Parental (128/127) R2	Ions Score Mascot	Confidence Mascot	DeltaScore Mascot	XCorr Sequest HT	Confidence Sequest HT	DeltaScore Sequest HT	PhosphositePlusEvidence
NP_056112.1	23349	149944593	KIAA1045	protein KIAA1045 [Homo sapiens]	T47	1.39	0.47	RGrVEGSVQEVQEEK	1	1	1	1	2?TMT6plex [N-Term; K15]; 2?Deamidated [Q9(100); Q12(100)]; 1?Phospho [T3(100)]	T3(Phospho): 100; Q9(Deamidated): 100; Q12(Deamidated): 100	T(3): 100.0; S(7): 0.0	LPGSRRGrVEGSVQE	T3;	High	2215.089545					1	1				2.870298147	High	0.1882	No
NP_001242941.1	4628	365192532	MYH10	myosin-10 isoform 1 [Homo sapiens]	S621	2.65	0.68	NMDPLNDNVATLLHQSsDR	1	3	1	0	1?TMT6plex [N-Term]; 3?Deamidated [N1(100); N6(100); N8(100)]; 1?Phospho [S17(96.4)]	N1(Deamidated): 100; N6(Deamidated): 100; N8(Deamidated): 100; S17(Phospho): 96.45	T(11): 0.0; S(16): 3.6; S(17): 96.5	ATLLHQSsDRFVAEL	S17;	High	2452.090066					1	1				2.868131161	High	0.0139	No
NP_065823.1	57532	32698730	NUFIP2	nuclear fragile X mental retardation-interacting protein 2 [Homo sapiens]	S596	2.22	0.57	SGTTSESGALSLEPsHGDLQK	1	1	1	0	2?TMT6plex [N-Term; K22]; 1?Phospho [S15(98.8)]	S15(Phospho): 98.77	S(1): 0.1; T(3): 0.5; T(4): 0.1; S(5): 0.1; S(7): 0.1; S(11): 0.5; S(15): 98.8	GALSLEPsHGDLQK	S15;	High	2752.38064					1	1				2.859759569	High		No
NP_055733.2	22856	31542309	CHSY1	chondroitin sulfate synthase 1 precursor [Homo sapiens]	S56	0.89	1.3	SGQAAAsQAGGARGDAR	1	1	1	1	1?TMT6plex [N-Term]; 1?Deamidated [Q8(99.7)]; 1?Phospho [S7(99.8)]	S7(Phospho): 99.83; Q8(Deamidated): 99.66	S(1): 0.2; S(7): 99.8	RSGQAAAsQAGGARG	S7;	High	1840.850034					1	1				2.851205111	High	0.2246	No
NP_114437.2	84034	60498978	EMILIN2	EMILIN-2 precursor [Homo sapiens]	S204; S209	1.79	0.94	LTRTVLDLQSsLAGVsENLK	1	1	1	1	2?TMT6plex [N-Term; K20]; 2?Phospho [S11(96.3); S16(100)]	S11(Phospho): 96.27; S16(Phospho): 99.99	T(2): 0.0; T(4): 0.0; S(10): 3.7; S(11): 96.3; S(16): 100.0	TVLDLQSsLAGVSENQS SLAGVsENLKHAT	S11; S16;	High	2762.450649					1	1				2.842374563	High	0.0317	No;No
NP_060417.2	55034	157388923	MOCOS	molybdenum cofactor sulfurase [Homo sapiens]	T820	0.09		CQMICDQQGQR	1	1	1	0	1?TMT6plex [N-Term]; 2?Carbamidomethyl [C1; C5]; 1?Oxidation [M3(100)]; 1?Deamidated [Q2(100)]; 1?Phospho [T10(100)]	Q2(Deamidated): 100; M3(Oxidation): 100; T10(Phospho): 100	T(10): 100.0	MICDQQGQRNQHV	T10;	High	1963.82745					1					2.834098816	High	0.2686	No
NP_005553.2	3918	157419138	LAMC2	laminin subunit gamma-2 isoform a precursor [Homo sapiens]	S756	1.22	0.58	sLAQEATRLAESHVESAS NMEQLTR	1	2	1	1	1?TMT6plex [N-Term]; 1?Deamidated [N19(96.7)]; 1?Phospho [S1(96.7)]	S1(Phospho): 96.68; N19(Deamidated): 96.68	S(1): 96.7; T(7): 3.3; S(12): 0.0; S(16): 0.0; S(18): 0.0; T(24): 0.0	VGPNGFKsLAQEATR	S1;	High	3068.455724					1	1				2.83302474	High	0.0848	No
NP_004565.1	5414	4758942	Snp-04	septin-4 isoform 1 [Homo sapiens]	S4; S11	2.09	0.2	sLGWQGNsVPEDR	1	1	1	0	1?TMT6plex [N-Term]; 2?Deamidated [Q5(100); N7(100)]; 2?Phospho [S1(100); S8(100)]	S1(Phospho): 100; Q5(Deamidated): 100; N7(Deamidated): 100; S8(Phospho): 100	S(1): 100.0; S(8): 100.0	_MDRsLGWQGNsSLGW QGNsVPEDRTE	S1; S8;	High	1835.745158					1	1				2.824651957	High	0.2163	No;No
NP_001158136.1	375449	257467648	MAST4	microtubule-associated serine/threonine-protein kinase 4 isoform c [Homo sapiens]	S1467	2.4	1.22	KHsLEVTQEEVQR	1	5	1	1	2?TMT6plex [N-Term; K]; 1?Phospho [S3(100)]	S3(Phospho): 100	S(3): 100.0; T(7): 0.0	HLCSRKHsLEVTQEE	S3;	High	2121.110554					1	1				2.819285631	High	0.3511	No
NP_056240.2	25885	103471997	POLR1A	DNA-directed RNA polymerase I subunit RPA1 [Homo sapiens]	T464	0.64	0.16	SVICPDMYINTNEIGPMV FAtK	1	1	1	0	2?TMT6plex [N-Term; K23]; 1?Carbamidomethyl [C4]; 1?Deamidated [N12(97.2)]; 1?Phospho [T22(100)]	N10(Deamidated): 50; N12(Deamidated): 50; T22(Phospho): 100	S(1): 0.0; Y(8): 0.0; T(11): 0.0; T(22): 100.0	GPMVFAtKLTYPQP	T22;	High	3152.55234					1	1				2.81304431	High	0.0391	No
NP_061940.1	54552	9506611	GNL3L	guanine nucleotide-binding protein-like 3-like nucleoli [Homo sapiens]	S135	0.26	0.7	VVEYsDVILEVLDAR	1	1	1	0	1?TMT6plex [N-Term]; 1?Phospho [S5(96.7)]	S5(Phospho): 96.7	Y(4): 3.3; S(5): 96.7	FRKVVEYsDVILEVL	S5;	High	2029.045605					1	1				2.808324814	High	0.0285	No