

Supplementary Table 1. Proteins and peptides identified in Urea/thourea extract Fraction 1.

Protein	Accession	Mol Wgt (kDa)	Protein Score	Range	m/z meas.	Peptide score	Sequence	Modifications
K86-like	gi 312283584	53.2	4558.4	476 - 485	509.81	36.4	R.VGGSILGCK K.C	Carbamidomethyl: 8
				408 - 416	565.33	46.2	R.RLLEGEEQR. L	
				213 - 221	570.35	19.1	K.KDVDCAYLR. K	Carbamidomethyl: 5
				408 - 417	621.85	22.8	R.RLLEGEEQR L.C	
				126 - 135	631.38	27.8	R.FLEQQNKLL E.T	
				320 - 324	633.35	16.5	K.EEINE.L	
				268 - 290	883.14	18.6	R.DLNMDNIVA EIKAHYDDIAS RSR.A	Deamidated: 3
				409 - 432	883.73	18.9	R.LLEGEEQRL CEGVGAVNVC VSSSR.G	Carbamidomethyl: 10, 19; Deamidated: 7
				34 - 39	378.17	29	R.GISCYR.G	Carbamidomethyl: 4
				117 - 123	406.25	61.3	R.FAAFIDK.V	
				40 - 48	426.21	56.8	R.GLTGGFGSR .S	
				476 - 484	445.75	98.3	R.VGGSILGCK. K	Carbamidomethyl: 8
				126 - 132	453.78	35.3	R.FLEQQNK.L	
				397 - 408	473.95	67	K.LGLDIEIATY RR.L	
				242 - 248	476.29	47.5	R.LYEEEEIR.V	
				254 - 262	481.35	33.8	H.ISDTSVIVK.M	
				409 - 416	487.3	59.9	R.LLEGEEQR.L	
				332 - 340	487.78	48.9	R.LTAEVENAK. C	
				214 - 221	506.27	45.7	K.DVDCAYLR.K	Carbamidomethyl: 4
				291 - 298	506.29	57	R.AEAESWYR. S	
				11 - 24	507.94	40.4	P.AFSCVSACG PRPGR.C	Carbamidomethyl: 4, 8
				320 - 327	508.79	39.4	K.EEINELNR.V	
				194 - 201	511.83	64.4	R.YEEEIALR.A	
				332 - 345	531.28	40	R.LTAEVENAK CQNSK.L	Carbamidomethyl: 10
				117 - 125	533.84	64.3	R.FAAFIDKVR. F	

				368 - 377	536.33	87.2	K.LAGLEEALQ K.A	
				423 - 432	539.74	37.6	G.AVNVCVSSS R.G	Carbamidomethyl: 5
				409 - 417	543.84	57.4	R.LLEGEEQRL. C	
				241 - 248	554.33	49.8	R.RLYEEEEIR.V	
				25 - 33	556.3	57.9	R.CCITAAPYR. G	Carbamidomethyl: 1, 2
				388 - 396	564.31	40.6	K.EYQEVMSK .L	
				328 - 337	579.38	47.2	R.VIQRLTAEVE .N	
				318 - 331	581.34	49.7	R.TKEEINELNR VIQR.L	
				378 - 387	589.26	63	K.AKQDMACLL K.E	Carbamidomethyl: 7
				417 - 427	589.32	32.4	R.LCEGVGAVN VC.V	Carbamidomethyl: 2, 11
				193 - 201	589.85	61.4	K.RYEEEEIALR. A	
				202 - 212	596.87	76.3	R.ATAENEFVA LK.K	
				8 - 24	596.98	33.7	R.AVPAFSCVS ACGPRPGR.C	Carbamidomethyl: 7, 11
				378 - 387	597.34	38.8	K.AKQDMACLL K.E	Carbamidomethyl: 7; Oxidation: 5
				165 - 175	597.76	83	R.EAECAEADS GR.L	Carbamidomethyl: 4
				367 - 377	600.41	80.9	C.KLAGLEEAL QK.A	
				301 - 310	609.89	64.6	K.CEEIKATVIR. H	Carbamidomethyl: 1
				291 - 300	613.82	54.5	R.AEAESWYRS K.C	
				318 - 327	623.35	61.2	R.TKEEINELNR .V	
				289 - 298	627.83	69.4	R.SRAEAESWY R.S	
				269 - 279	630.4	54.9	D.LNMDNIVAEI K.A	
				397 - 407	632.41	104.3	K.LGLDIEIATY R.R	
				368 - 379	635.91	73.9	K.LAGLEEALQ KAK.Q	
				202 - 213	660.86	81.7	R.ATAENEFVA LKK.D	
				366 - 377	680.44	75.9	K.CKLAGLEEA LQK.A	Carbamidomethyl: 1
				268 - 279	687.92	96	R.DLNMDNIVA EIK.A	
				268 - 279	695.91	73.1	R.DLNMDNIVA EIK.A	Oxidation: 4
				380 - 396	696.7	26.6	K.QDMACLLKE YQEVMSK.L	Carbamidomethyl: 5; Deamidated: 1
				268 - 279	696.89	34.7	R.DLNMDNIVA EIK.A	Oxidation: 4; Deamidated: 3, 6

				92 - 103	700.9	54.2	L.NLEIDPNAQC VK.Q	Carbamidomethyl: 10
				419 - 432	710.84	75.7	C.EGVGAVNVC VSSSR.G	Carbamidomethyl: 9
				328 - 340	735.91	72.6	R.VIQRLTAEVE NAK.C	
				126 - 137	745.94	62.7	R.FLEQQNKLL ETK.L	
				249 - 262	755.48	73	R.VLQAHISDTS VIVK.M	
				462 - 475	761.86	54.9	N.VVVGTSDDVC SPCSR.V	Carbamidomethyl: 9, 12
				378 - 396	762.71	77.7	K.AKQDMACLL KEYQEVMSK. L	Carbamidomethyl: 7
				145 - 163	772.98	26.3	R.QCCESNLEP LFSGYIETLR.R	Carbamidomethyl: 2, 3; Deamidated: 6
				433 - 440	776.34	26.6	R.GGVVCGDL. C	Carbamidomethyl: 5
				222 - 241	783.12	74.4	R.KSDLEANVE ALIQUETDFLRR. L	
				268 - 288	801.77	83.5	R.DLNMDNIVA EIKAHYDDIAS R.S	
				126 - 144	814.12	72.1	R.FLEQQNKLL ETKLQFYQNR. Q	
				242 - 262	814.8	46.6	R.LYEEEEIRVLQ AHISDTSVIVK. M	
				145 - 164	824.74	27.3	R.QCCESNLEP LFSGYIETLRR. E	Carbamidomethyl: 2, 3
				417 - 432	847.42	126.7	R.LCEGVGAVN VCVSSSR.G	Carbamidomethyl: 2, 11
				417 - 432	847.88	34.9	R.LCEGVGAVN VCVSSSR.G	Carbamidomethyl: 2, 11; Deamidated: 9
				409 - 432	883.43	75.4	R.LLEGEEQRL CEGVGAVNVC VSSSR.G	Carbamidomethyl: 10, 19
				348 - 365	886.95	43.7	E.AAVTQAEQQ GAAALADAK.C	Deamidated: 5
				176 - 191	904.98	101.9	R.LSSELNSLQ EVLEGYK.K	
				176 - 191	905.49	92.3	R.LSSELNSLQ EVLEGYK.K	Deamidated: 6
				176 - 192	969.03	59.1	R.LSSELNSLQ EVLEGYK.K.R	
				165 - 191	995.8	25.9	R.EAECAEADS GRLSSELNSLQ EVLEGYK.K	Carbamidomethyl: 4; Deamidated: 17
				346 - 365	1007.56	154.7	K.LEAAVTQAE QQGAAALADA K.C	
				223 - 240	1032.01	118.2	K.SDLEANVEA LIQUETDFLR.R	

KAP1.3	gij940358	15.6		67 - 79	628.26	18.7	G.YGQVGSSG AVSSR.T	Deamidated: 3
				73 - 79	663.29	18.8	S.SGAVSSR.T	
				89 - 106	968.93	23.8	R.VEGTSLPPC CVVCTSPS.C	Carbamidomethyl: 9, 10, 14
				68 - 79	546.3	78.6	Y.GQVGSSGAV SSR.T	
				67 - 79	627.81	80.7	G.YGQVGSSG AVSSR.T	
				66 - 79	656.33	50.1	I.GYGQVGSSG AVSSR.T	
				64 - 79	756.38	69.7	G.SIGYGQVGS SGAVSSR.T	
				63 - 79	784.92	104.1	G.GSIGYGQVG SSGAVSSR.T	
				63 - 79	785.36	80.4	G.GSIGYGQVG SSGAVSSR.T	Deamidated: 7
				61 - 79	869.9	89.6	G.IGGSIGYGQ VGSSGAVSSR. T	
				60 - 79	898.41	116.9	C.GIGGSIGYG QVGSSGAVSS R.T	
				60 - 79	898.94	81.2	C.GIGGSIGYG QVGSSGAVSS R.T	Deamidated: 10
				27 - 43	966.91	75.3	R.STCSQTSCC QPTSIQTS.C	Carbamidomethyl: 3, 8, 9
				59 - 79	978.46	107.8	G.CGIGGSIGY GQVGSSGAVS SR.T	Carbamidomethyl: 1
				45 - 79	1179.52	83.8	C.CQPTCLQTS GCKTGCGIGG SIGYGQVGSS GAVSSR.T	Carbamidomethyl: 1, 5, 11, 15; Deamidated: 2, 7
K33b	gij9990000 12	45.9	4661	126 - 134	500.83	40	R.LVVQIDNAK. L	Deamidated: 4
				135 - 143	518.83	37.9	K.LAADDFRTK. Y	
				231 - 240	625.84	24.5	Q.YEALVETNR R.D	
				191 - 201	685.81	18.9	K.QNHEQEVNT LR.S	Deamidated: 1, 2, 5
				322 - 333	708.89	20.1	E.SQLAEIRSDL ER.Q	
				229 - 240	725.89	17.4	R.AQYEALVET NRR.D	Deamidated: 2
				122 - 134	735.91	31.7	A.ENARLVVQID NAK.L	Deamidated: 8
				1 - 12	759.91	15.3	- .SYNFCLPNLS FR.S	Carbamidomethyl: 5; Deamidated: 3
				280 - 292	761.41	22.1	N.ALEVELQAQ HNLR.D	Deamidated: 7
				329 - 347	778.09	17.7	R.SDLERQNQE YQVLLDVRAR. L	

				144 - 163	787.78	20.6	K.YQTELGLRQ LVESDINGLRR. I	Deamidated: 2
				277 - 301	946.81	15.2	R.TVNALEVEL QAQHNLRD SL ENTLTE.T	Deamidated: 3
				202 - 228	998.87	22.1	R.SQLGDR LNV EVDAAPT VDLN RVLNETR.A	
				340 - 345	357.77	49	Q.VLLDVR.A	
				223 - 228	366.19	30.3	R.VLNETR.A	
				135 - 141	404.25	53.8	K.LAADDFR.T	
				322 - 328	408.76	50.8	E.SQLAEIR.S	
				66 - 72	412.23	53.8	R.LASYLEK.V	
				6 - 12	423.79	50.6	C.LPNLSFR.S	
				152 - 163	467.28	34.4	R.QLVESDINGL RR.I	
				79 - 86	474.27	44.7	R.ENAELESR.I	
				229 - 240	483.94	57.3	R.AQYEALVET NRR.D	
				357 - 365	489.29	29.6	R.GLLDSEDTK. L	
				108 - 115	494.81	70	R.TIEELQQK.I	
				126 - 134	500.36	71.6	R.LVVQIDNAK. L	
				126 - 134	500.83	49.4	R.LVVQIDNAK. L	Deamidated: 7
				58 - 65	512.82	36.4	E.TMQFLNDR.L	
				116 - 125	550.31	65.6	K.ILANKAENAR .L	
				164 - 172	552.82	74.2	R.ILDELTLCK.S	Carbamidomethyl: 8
				241 - 248	555.32	53.1	R.DVEEWYIR.Q	
				348 - 356	562.83	62.1	R.LESEINTYR. G	
				348 - 356	563.31	57.3	R.LESEINTYR. G	Deamidated: 6
				57 - 65	577.32	62.8	K.ETMQFLNDR .L	
				4 - 12	577.36	37	N.FCLPNLSFR. S	Carbamidomethyl: 2
				57 - 65	577.83	32.8	K.ETMQFLNDR .L	Deamidated: 4
				57 - 65	585.29	58.5	K.ETMQFLNDR .L	Oxidation: 3
				57 - 65	585.78	34.4	K.ETMQFLNDR .L	Oxidation: 3; Deamidated: 4

				212 - 222	585.86	45.8	E.VDAAPTVDL NR.V	
				142 - 151	604.82	34.6	R.TKYQTELGL R.Q	
				142 - 151	605.37	72	R.TKYQTELGL R.Q	Deamidated: 4
				173 - 183	609.86	84	K.SDLEAQVES LK.E	
				181 - 190	616.9	27.3	E.SLKEELICK. Q	Carbamidomethyl: 8
				394 - 404	621.78	76.6	R.SRFGPCNTS GC.-	Carbamidomethyl: 6, 11
				152 - 162	622.86	31.4	R.QLVESDINGL R.R	Deamidated: 8
				163 - 172	630.92	40	R.RILDELTLCK. S	Carbamidomethyl: 9
				3 - 12	634.3	39.1	Y.NFCLPNLSF R.S	Carbamidomethyl: 3
				46 - 56	644.82	49.6	W.FCEGSFNG NEK.E	Carbamidomethyl: 2
				229 - 239	647.36	79.3	R.AQYEALVET NR.R	
				91 - 101	650.34	39.6	R.SQQQEPLVC PN.Y	Carbamidomethyl: 9
				75 - 90	662.4	30.8	R.QLERENAEL ESRILER.S	
				135 - 151	666.73	34.9	K.LAADDFRTK YQTELGLR.Q	Deamidated: 11
				282 - 292	668.9	50.2	L.EVELQAQHN LR.D	
				202 - 213	672.89	31.6	R.SQLGDRLNV EVD.A	
				126 - 143	673.09	47.8	R.LVVQIDNAKL AADDFRTK.Y	
				346 - 356	676.37	67.6	R.ARLESEINTY R.G	
				294 - 305	682.37	78.8	D.SLENTLTETE AR.Y	
				260 - 276	684.07	25.6	S.SSEQLQSYQ AEIILRR.T	
				108 - 125	690.41	58.8	R.TIEELQQKIL ANKAENAR.L	
				173 - 190	702.37	43.1	K.SDLEAQVES LKEELICK.Q	Carbamidomethyl: 16; Deamidated: 6
				228 - 239	725.37	49.5	T.RAQYEALVE TNR.R	
				179 - 190	730.95	76.7	Q.VESLKEELIC LK.Q	Carbamidomethyl: 10
				75 - 86	737.36	37.5	R.QLERENAEL ESR.I	
				57 - 74	738.41	55.1	K.ETMQFLNDR LASYLEKVR.Q	
				293 - 305	739.89	103.6	R.DSLENTLTET EAR.Y	
				293 - 305	740.35	83.9	R.DSLENTLTET EAR.Y	Deamidated: 5

				173 - 191	744.76	42.8	K.SDLEAQVES LKEELICKQ.N	Carbamidomethyl: 16
				334 - 345	752.95	94.3	R.QNQEQVLL DVR.A	
				334 - 345	753.44	54.7	R.QNQEQVLL DVR.A	Deamidated: 3
				1 - 12	759.39	46.4	- .SYNFCLPNLS FR.S	Carbamidomethyl: 5
				202 - 222	761.43	76.6	R.SQLGDRNLV EVDAAPTVDLN R.V	
				208 - 228	780.12	53.5	R.LNVEVDAAP TVDLNRVLNET R.A	
				144 - 163	787.44	31.1	K.YQTELGLRQ LVESDINGLRR. I	
				208 - 222	813.48	88	R.LNVEVDAAP TVDLNR.V	
				208 - 222	813.98	29.2	R.LNVEVDAAP TVDLNR.V	Deamidated: 14
				173 - 187	852.01	26.5	K.SDLEAQVES LKEELI.C	
				73 - 86	864.93	60.8	K.VRQLERENA ELES.R.I	
				87 - 107	885.79	77.8	R.ILERSQQQE PLVCPNYQSYF R.T	Carbamidomethyl: 13
				306 - 328	888.82	38.9	R.YSCQLSQVQ SLIVNVESQLA EIR.S	Carbamidomethyl: 3
				126 - 141	894.51	119.9	R.LVVQIDNAKL AADDFR.T	
				126 - 141	895.03	78.6	R.LVVQIDNAKL AADDFR.T	Deamidated: 4
				277 - 292	918.03	119.9	R.TVNALEVEL QAQHNL.R.D	
				277 - 292	918.49	102.4	R.TVNALEVEL QAQHNL.R.D	Deamidated: 10
				277 - 292	918.5	57.6	R.TVNALEVEL QAQHNL.R.D	Deamidated: 3
				57 - 72	979.51	75.9	K.ETMQFLNDR LASYLEK.V	
				57 - 72	980	48	K.ETMQFLNDR LASYLEK.V	Deamidated: 7
				173 - 190	1052.56	91.8	K.SDLEAQVES LKEELICK.Q	Carbamidomethyl: 16
				91 - 107	1072.52	78.7	R.SQQQEPLVC PNYQSYFR.T	Carbamidomethyl: 9
				306 - 333	1089.87	36.9	R.YSCQLSQVQ SLIVNVESQLA EIRSDLER.Q	Carbamidomethyl: 3; Deamidated: 4, 7, 14
				277 - 305	1099.22	57.1	R.TVNALEVEL QAQHNL.RDSL ENTLTETEAR. Y	Deamidated: 3
K33a	gij9990000	46	3895.3	126 - 134	500.83	40	R.LVVQIDNAK. L	Deamidated: 4

var1	14							
				75 - 86	514.95	19.7	R.QLERENAEL ERR.I	
				348 - 356	599.81	24	R.LECEINTYR. G	Carbamidomethyl: 3; Deamidated: 6
				231 - 240	625.84	24.5	Q.YEALVETNR R.D	
				191 - 201	685.81	18.9	K.QNHEQEVNT LR.S	Deamidated: 1, 2, 5
				152 - 163	692.42	19.2	R.QLVEADLNG LRR.I	
				322 - 333	708.89	20.1	E.SQLAEIRSDL ER.Q	
				229 - 240	725.89	17.4	R.AQYEALVET NRR.D	Deamidated: 2
				122 - 134	735.91	31.7	S.ENARLVVQID NAK.L	Deamidated: 8
				280 - 292	761.41	22.1	N.ALEVELQAQ HNL.R.D	Deamidated: 7
				329 - 347	778.09	17.7	R.SDLERQNQE YQVLLDVRAR. L	
				277 - 301	946.81	15.2	R.TVNALEVEL QAQHNL.RDSL ENTL.TE.T	Deamidated: 3
				340 - 345	357.77	49	Q.VLLDVR.A	
				223 - 228	366.19	30.3	H.VLNETR.A	
				322 - 328	408.76	50.8	E.SQLAEIR.S	
				135 - 141	412.22	56.1	K.LASDDFR.T	
				66 - 72	412.23	53.8	R.LASYLEK.V	
				6 - 12	423.79	50.6	C.LPNLSFR.S	
				229 - 240	483.94	57.3	R.AQYEALVET NRR.D	
				108 - 115	494.81	70	R.TIEELQQK.I	
				144 - 151	498.8	53.6	K.YETEVSRLR.Q	
				126 - 134	500.36	71.6	R.LVVQIDNAK. L	
				126 - 134	500.83	49.4	R.LVVQIDNAK. L	Deamidated: 7
				58 - 65	512.82	36.4	E.TMQFLNDR.L	
				357 - 365	518.78	45.4	R.GLLDSEDCK. L	Carbamidomethyl: 8
				395 - 403	546.27	59.9	R.CGPCNTFVH .-	Carbamidomethyl: 1, 4
				395 - 403	546.76	59.2	R.CGPCNTFVH .-	Carbamidomethyl: 1, 4; Deamidated: 5

				73 - 85	547.98	28.9	K.VRQLERENA ELER.R	
				164 - 172	552.82	74.2	R.ILDELTLCK.S	Carbamidomethyl: 8
				241 - 248	555.32	53.1	R.DVEEWYIR.Q	
				57 - 65	577.32	62.8	K.ETMQFLNDR .L	
				4 - 12	577.36	37	N.FCLPNLSFR. S	Carbamidomethyl: 2
				57 - 65	577.83	32.8	K.ETMQFLNDR .L	Deamidated: 4
				57 - 65	585.29	58.5	K.ETMQFLNDR .L	Oxidation: 3
				57 - 65	585.78	34.4	K.ETMQFLNDR .L	Oxidation: 3; Deamidated: 4
				348 - 356	599.31	69.2	R.LECEINTYR. G	Carbamidomethyl: 3
				142 - 151	613.36	66.6	R.TKYETEVS L.R.Q	
				152 - 162	614.41	63.4	R.QLVEADLNG LR.R	
				152 - 162	614.89	56.4	R.QLVEADLNG LR.R	Deamidated: 8
				181 - 190	616.9	27.3	E.SLKEELICK. Q	Carbamidomethyl: 8
				163 - 172	630.92	40	R.RILDELTLCK. S	Carbamidomethyl: 9
				3 - 12	634.3	39.1	F.NFCLPNLSF R.S	Carbamidomethyl: 3
				46 - 56	644.82	49.6	W.FCEGSFNG NEK.E	Carbamidomethyl: 2
				229 - 239	647.36	79.3	R.AQYEALVET NR.R	
				91 - 101	650.34	39.6	R.SQQQEPLVC PN.Y	Carbamidomethyl: 9
				282 - 292	668.9	50.2	L.EVELQAQHN LR.D	
				202 - 213	672.89	31.6	R.SQLGDRNLV EVD.A	
				393 - 403	674.8	34.3	R.TRCGPCNTF VH.-	Carbamidomethyl: 3, 6
				294 - 305	682.37	78.8	D.SLENTLTETE AR.Y	
				108 - 125	706.36	66.9	R.TIEELQQKIL CGKSENAR.L	Carbamidomethyl: 11
				346 - 356	712.85	55.8	R.ARLECEINTY R.G	Carbamidomethyl: 5
				228 - 239	725.37	49.5	T.RAQYEALVE TNR.R	
				179 - 190	730.95	76.7	R.VESLKEELIC LK.Q	Carbamidomethyl: 10
				57 - 74	738.41	55.1	K.ETMQFLNDR LASYLEKVR.Q	
				293 - 305	739.89	103.6	R.DSLENTLTET EAR.Y	
				293 - 305	740.35	83.9	R.DSLENTLTET EAR.Y	Deamidated: 5

				1 - 12	751.39	61.6	- .SFNFCLPNLSF R.S	Carbamidomethyl: 5
				1 - 12	751.89	54.8	- .SFNFCLPNLSF R.S	Carbamidomethyl: 5; Deamidated: 3
				334 - 345	752.95	94.3	R.QNQEQVLL DVR.A	
				334 - 345	753.44	54.7	R.QNQEQVLL DVR.A	Deamidated: 3
				208 - 228	773.77	32.5	R.LNVEVDAAP TVDLNHVLNET R.A	
				108 - 120	780.43	54	R.TIEELQQKIL CGK.S	Carbamidomethyl: 11
				87 - 107	885.79	77.8	R.ILERSQQQE PLVCPNYQSYF R.T	Carbamidomethyl: 13
				164 - 178	888.46	70	R.ILDELTCKS DLEAR.V	Carbamidomethyl: 8
				306 - 328	888.81	48.1	R.YSCQLNQVQ SLIVSVESQLA EIR.S	Carbamidomethyl: 3
				277 - 292	918.03	119.9	R.TVNALEVEL QAQHNL.R.D	
				277 - 292	918.49	102.4	R.TVNALEVEL QAQHNL.R.D	Deamidated: 10
				277 - 292	918.5	57.6	R.TVNALEVEL QAQHNL.R.D	Deamidated: 3
				57 - 72	979.51	75.9	K.ETMQFLNDR LASYLEK.V	
				57 - 72	980	48	K.ETMQFLNDR LASYLEK.V	Deamidated: 7
				202 - 228	992.52	89.6	R.SQLGDRNLV EVDAAPTVDLN HVLNETR.A	
				91 - 107	1072.52	78.7	R.SQQQEPLVC PNYQSYFR.T	Carbamidomethyl: 9
				277 - 305	1099.22	57.1	R.TVNALEVEL QAQHNL.RDSL ENTLTETEAR. Y	Deamidated: 3
K35	gij9990000 05	49.7	2020.5	58 - 65	449.64	18.1	K.SSCRAASC.L	Carbamidomethyl: 3, 8
				167 - 175	500.83	40	R.LVVQIDNAK. L	Deamidated: 4
				176 - 184	518.83	37.9	K.LAADDFRTK. Y	
				163 - 175	735.91	31.7	S.ENARLVVQID NAK.L	Deamidated: 8
				321 - 333	772.44	15.3	N.ALEIELQAQH SMR.D	Oxidation: 12; Deamidated: 7, 9
				346 - 369	898.17	17.9	A.RYSSQLAQM QGLIGNVESQL AEIR.C	Deamidated: 10
				381 - 386	357.77	49	Q.VLLDVR.A	

				176 - 182	404.25	53.8	K.LAADDFR.T	
				363 - 369	408.76	50.8	E.SQLAEIR.C	
				107 - 113	412.23	53.8	R.LASYLEK.V	
				120 - 127	474.27	44.7	R.ENAELESR.I	
				149 - 156	494.81	70	Q.TIEELQKK.I	
				167 - 175	500.36	71.6	R.LVVQIDNAK. L	
				167 - 175	500.83	49.4	R.LVVQIDNAK. L	Deamidated: 7
				99 - 106	512.82	36.4	E.TMQFLNDR.L	
				398 - 406	518.78	45.4	R.GLLDSEDCK. L	Carbamidomethyl: 8
				98 - 106	577.32	62.8	K.ETMQFLNDR .L	
				98 - 106	577.83	32.8	K.ETMQFLNDR .L	Deamidated: 4
				98 - 106	585.29	58.5	K.ETMQFLNDR .L	Oxidation: 3
				98 - 106	585.78	34.4	K.ETMQFLNDR .L	Oxidation: 3; Deamidated: 4
				389 - 397	585.82	59.9	R.LECEISTYR. G	Carbamidomethyl: 3
				222 - 231	616.9	27.3	E.SLKEELLCLK .K	Carbamidomethyl: 8
				167 - 184	673.09	47.8	R.LVVQIDNAKL AADDFR.TK.Y	
				301 - 317	684.07	25.6	S.SSEQLQSYQ AEIIELR.R.T	
				387 - 397	699.37	37.2	R.ARLECEISTY R.G	Carbamidomethyl: 5
				334 - 346	703.41	85.6	R.DALESTLAET EAR.Y	
				220 - 231	730.95	76.7	Q.VESLKEELL CLK.K	Carbamidomethyl: 10
				116 - 127	737.36	37.5	R.QLERENAEL ESR.I	
				98 - 115	738.41	55.1	K.ETMQFLNDR LASYLEKVR.Q	
				214 - 232	739.44	34.9	K.ADLEAQVES LKEELLCLKK.N	Carbamidomethyl: 16
				375 - 386	752.95	94.3	R.QNQEQVLL DVR.A	
				375 - 386	753.44	54.7	R.QNQEQVLL DVR.A	Deamidated: 3
				162 - 182	782.42	71.3	K.SENARLVVQI DNAKLAADD FR.T	
				114 - 127	864.93	60.8	K.VRQLERENA ELESR.I	
				167 - 182	894.51	119.9	R.LVVQIDNAKL AADDFR.T	

				167 - 182	895.03	78.6	R.LVVQIDNAKL AADDFR.T	Deamidated: 4
				98 - 113	979.51	75.9	K.ETMQFLNDR LASYLEK.V	
				98 - 113	980	48	K.ETMQFLNDR LASYLEK.V	Deamidated: 7
K81	gij9990000 07	55.1	4216.7	408 - 416	565.33	46.2	R.RLLEGQEQR .L	Deamidated: 6
				213 - 221	570.35	19.1	K.KDVDCAYLR. K	Carbamidomethyl: 5
				408 - 417	621.85	22.8	R.RLLEGQEQR L.C	Deamidated: 6
				125 - 134	631.38	27.8	R.FLEQQNKLL E.T	
				320 - 324	633.35	16.5	K.EEINE.L	
				1 - 13	731.88	16.9	.TCGSGFRGRA FSC.V	Carbamidomethyl: 2, 13
				33 - 38	378.17	29	R.GISCYR.G	Carbamidomethyl: 4
				116 - 122	406.25	61.3	R.FAAFIDK.V	
				39 - 47	426.21	56.8	R.GLTGGFGSR .S	
				125 - 131	453.78	35.3	R.FLEQQNK.L	
				397 - 408	473.95	67	K.LGLDIEIATY RR.L	
				242 - 248	476.29	47.5	R.LYEEEEIR.V	
				254 - 262	481.35	33.8	H.ISDTSVIVK.M	
				409 - 416	487.3	59.9	R.LLEGQEQR.L	Deamidated: 5
				332 - 340	487.78	48.9	R.LTAEVENAK. C	
				194 - 201	504.82	56.5	R.YEEVALR.A	
				214 - 221	506.27	45.7	K.DVDCAYLR.K	Carbamidomethyl: 4
				291 - 298	506.29	57	R.AEASWYR. S	
				10 - 23	507.94	40.4	R.AFSCVSACG PRPGR.C	Carbamidomethyl: 4, 8
				320 - 327	508.79	39.4	K.EEINELNR.V	
				280 - 288	519.77	75	K.AQYDDIASR. S	
				332 - 345	531.28	40	R.LTAEVENAK CQNSK.L	Carbamidomethyl: 10
				116 - 124	533.84	64.3	R.FAAFIDKVR. F	
				368 - 377	536.33	87.2	K.LAGLEEALQ K.A	
				409 - 417	543.84	57.4	R.LLEGQEQRL. C	Deamidated: 5

				423 - 432	547.78	43.7	G.SVNVCVSSS R.G	Carbamidomethyl: 5
				241 - 248	554.33	49.8	R.RLYEEEEIR.V	
				24 - 32	556.3	57.9	R.CCITAAPYR. G	Carbamidomethyl: 1, 2
				388 - 396	564.31	40.6	K.EYQEVMSK .L	
				328 - 337	579.38	47.2	R.VIQRLTAEVE .N	
				318 - 331	581.34	49.7	R.TKEEINELNR VIQR.L	
				193 - 201	582.84	56.1	R.RYEEEEVALR. A	
				378 - 387	589.26	63	K.AKQDMACLL K.E	Carbamidomethyl: 7
				202 - 212	596.87	76.3	R.ATAENEFVA LK.K	
				378 - 387	597.34	38.8	K.AKQDMACLL K.E	Carbamidomethyl: 7; Oxidation: 5
				164 - 174	597.76	83	R.EAECAEADS GR.L	Carbamidomethyl: 4
				367 - 377	600.41	80.9	R.KLAGLEEAL QK.A	
				10 - 20	606.25	35.4	R.AFSCVSACG PR.P	Carbamidomethyl: 4, 8
				301 - 310	609.89	64.6	K.CEEIKATVIR. H	Carbamidomethyl: 1
				291 - 300	613.82	54.5	R.AEAESWYRS K.C	
				318 - 327	623.35	61.2	R.TKEEINELNR .V	
				289 - 298	627.83	69.4	R.SRAEAESWY R.S	
				269 - 279	630.4	54.9	D.LNMDNIVAEI K.A	
				397 - 407	632.41	104.3	K.LGLDIEIATY R.R	
				368 - 379	635.91	73.9	K.LAGLEEALQ KAK.Q	
				280 - 290	641.31	37	K.AQYDDIASR SR.A	
				202 - 213	660.86	81.7	R.ATAENEFVA LKK.D	
				268 - 279	687.92	96	R.DLNMDNIVA EIK.A	
				268 - 279	695.91	73.1	R.DLNMDNIVA EIK.A	Oxidation: 4
				380 - 396	696.7	26.6	K.QDMACLLKE YQEVMSK.L	Carbamidomethyl: 5; Deamidated: 1
				268 - 279	696.89	34.7	R.DLNMDNIVA EIK.A	Oxidation: 4; Deamidated: 3, 6
				91 - 102	700.9	54.2	L.NLEIDPNAQC VK.Q	Carbamidomethyl: 10
				328 - 340	735.91	72.6	R.VIQRLTAEVE NAK.C	
				125 - 136	745.94	62.7	R.FLEQQNKLL ETK.L	

				249 - 262	755.48	73	R.VLQAHISDTS VIVK.M	
				378 - 396	762.71	77.7	K.AKQDMACLL KEYQEVMSK. L	Carbamidomethyl: 7
				144 - 162	772.98	26.3	R.QCCESNLEP LFSGYIETLR.R	Carbamidomethyl: 2, 3; Deamidated: 6
				433 - 440	776.34	26.6	R.GGVVCGDL. C	Carbamidomethyl: 5
				222 - 241	783.12	74.4	R.KSDLEANVE ALIQETDFLR. L	
				268 - 288	798.75	58.5	R.DLNMDNIVA EIKAQYDDIAS R.S	
				268 - 288	804.07	84.4	R.DLNMDNIVA EIKAQYDDIAS R.S	Oxidation: 4
				125 - 143	814.12	72.1	R.FLEQQNKLL ETKLQFYQNR. Q	
				242 - 262	814.8	46.6	R.LYEEEEIRVLQ AHISDTSVIVK. M	
				144 - 163	824.74	27.3	R.QCCESNLEP LFSGYIETLR. E	Carbamidomethyl: 2, 3
				417 - 432	855.43	123.7	R.LCEGVGSVN VCVSSSR.G	Carbamidomethyl: 2, 11
				348 - 365	886.95	43.7	E.AAVTQAEQQ GEAALADAK.R	Deamidated: 5
				175 - 190	904.98	101.9	R.LSSELNSLQ EVLEGYK.K	
				175 - 190	905.49	92.3	R.LSSELNSLQ EVLEGYK.K	Deamidated: 6
				175 - 191	969.03	59.1	R.LSSELNSLQ EVLEGYK.K.R	
				164 - 190	995.8	25.9	R.EAECAEADS GRLSSELNSLQ EVLEGYK.K	Carbamidomethyl: 4; Deamidated: 17
				346 - 365	1007.56	154.7	K.LEAAVTQAE QQGEAALADA K.R	
				223 - 240	1032.01	118.2	K.SDLEANVEA LIQETDFLR.R	
K86	gij9990000 10	54.8	4589.9	65 - 71	375.27	24.2	R.IAVSGFR.A	
				492 - 501	509.81	36.4	R.VGGSILGCK K.C	Carbamidomethyl: 8
				424 - 432	565.33	46.2	R.RLLEGEEQR. L	
				229 - 237	570.35	19.1	K.KDVDCAYLR. K	Carbamidomethyl: 5
				424 - 433	621.85	22.8	R.RLLEGEEQR L.C	
				142 - 151	631.38	27.8	R.FLEQQNKLL E.T	

				336 - 340	633.35	16.5	K.EEINE.L	
				284 - 306	883.14	18.6	R.DLNMDNIVA EIKAHYDDIAS RSR.A	Deamidated: 3
				425 - 448	883.73	18.9	R.LLEGEEQRL CEVGAVNVC VSSSR.G	Carbamidomethyl: 10, 19; Deamidated: 7
				133 - 139	406.25	61.3	R.FAAFIDK.V	
				492 - 500	445.75	98.3	R.VGGSILGCK. K	Carbamidomethyl: 8
				142 - 148	453.78	35.3	R.FLEQQNK.L	
				413 - 424	473.95	67	K.LGLDIEIATY RR.L	
				258 - 264	476.29	47.5	R.LYEEEEIR.V	
				270 - 278	481.35	33.8	H.ISDTSVIVK.M	
				425 - 432	487.3	59.9	R.LLEGEEQR.L	
				348 - 356	487.78	48.9	R.LTAEVENAK. C	
				210 - 217	504.82	56.5	R.YEEEVALR.A	
				230 - 237	506.27	45.7	K.DVDCAYLR.K	Carbamidomethyl: 4
				307 - 314	506.29	57	R.AEAESWYR. S	
				336 - 343	508.79	39.4	K.EEINELNR.V	
				348 - 361	531.28	40	R.LTAEVENAK CQNSK.L	Carbamidomethyl: 10
				133 - 141	533.84	64.3	R.FAAFIDKVR. F	
				384 - 393	536.33	87.2	K.LAGLEEALQ K.A	
				439 - 448	539.74	37.6	G.AVNVCVSSS R.G	Carbamidomethyl: 5
				425 - 433	543.84	57.4	R.LLEGEEQRL. C	
				54 - 64	545.79	82	R.SVSALGSCG PR.I	Carbamidomethyl: 8
				31 - 39	549.26	50.6	R.CCISAAPYR. G	Carbamidomethyl: 1, 2
				257 - 264	554.33	49.8	R.RLYEEEEIR.V	
				404 - 412	564.31	40.6	K.EYQEVMSK .L	
				16 - 26	577.82	56.1	R.TFSSCSAVA PK.T	Carbamidomethyl: 5
				344 - 353	579.38	47.2	R.VIQRLTAEVE .N	
				334 - 347	581.34	49.7	R.TKEEINELNR VIQR.L	
				209 - 217	582.84	56.1	K.RYEEEVALR. A	

				394 - 403	589.26	63	K.AKQDMACLL K.E	Carbamidomethyl: 7
				433 - 443	589.32	32.4	R.LCEGVGAVN VC.V	Carbamidomethyl: 2, 11
				218 - 228	596.87	76.3	R.ATAENEFVA LK.K	
				394 - 403	597.34	38.8	K.AKQDMACLL K.E	Carbamidomethyl: 7; Oxidation: 5
				181 - 191	597.76	83	R.EAECAEADS GR.L	Carbamidomethyl: 4
				383 - 393	600.41	80.9	C.KLAGLEEAL QK.A	
				317 - 326	609.89	64.6	K.CEEIKATVIR. H	Carbamidomethyl: 1
				307 - 316	613.82	54.5	R.AEAESWYRS K.C	
				334 - 343	623.35	61.2	R.TKEEINELNR .V	
				305 - 314	627.83	69.4	R.SRAEAESWY R.S	
				285 - 295	630.4	54.9	D.LNMDNIVAEI K.A	
				413 - 423	632.41	104.3	K.LGLDIEIATY R.R	
				384 - 395	635.91	73.9	K.LAGLEEALQ KAK.Q	
				218 - 229	660.86	81.7	R.ATAENEFVA LKK.D	
				382 - 393	680.44	75.9	K.CKLAGLEEA LQK.A	Carbamidomethyl: 1
				284 - 295	687.92	96	R.DLNMDNIVA EIK.A	
				4 - 15	693.33	49.6	R.SYRISPGYS VTR.T	
				284 - 295	695.91	73.1	R.DLNMDNIVA EIK.A	Oxidation: 4
				396 - 412	696.7	26.6	K.QDMACLLKE YQEVMSK.L	Carbamidomethyl: 5; Deamidated: 1
				284 - 295	696.89	34.7	R.DLNMDNIVA EIK.A	Oxidation: 4; Deamidated: 3, 6
				108 - 119	700.9	54.2	L.NLEIDPNAQC VK.Q	Carbamidomethyl: 10
				435 - 448	710.84	75.7	C.EGVGAVNVC VSSSR.G	Carbamidomethyl: 9
				344 - 356	735.91	72.6	R.VIQRLTAEVE NAK.C	
				142 - 153	745.94	62.7	R.FLEQQNKLL ETK.L	
				265 - 278	755.48	73	R.VLQAHISDTS VIVK.M	
				478 - 491	761.86	54.9	N.VVVGTS DVC SPCSR.V	Carbamidomethyl: 9, 12
				394 - 412	762.71	77.7	K.AKQDMACLL KEYQEVMSK. L	Carbamidomethyl: 7
				161 - 179	772.98	26.3	R.QCCESNLEP LFSGYIETLR.R	Carbamidomethyl: 2, 3; Deamidated: 6

				449 - 456	776.34	26.6	R.GGVVCGDL. C	Carbamidomethyl: 5
				238 - 257	783.12	74.4	R.KSDLEANVE ALIQETDFLRR. L	
				284 - 304	801.77	83.5	R.DLNMDNIVA EIKAHYDDIAS R.S	
				142 - 160	814.12	72.1	R.FLEQQNKLL ETKLQFYQNR. Q	
				258 - 278	814.8	46.6	R.LYEEEEIRVLQ AHISDTSVIVK. M	
				161 - 180	824.74	27.3	R.QCCESNLEP LFSGYIETLRR. E	Carbamidomethyl: 2, 3
				433 - 448	847.42	126.7	R.LCEGVGAVN VCVSSSR.G	Carbamidomethyl: 2, 11
				433 - 448	847.88	34.9	R.LCEGVGAVN VCVSSSR.G	Carbamidomethyl: 2, 11; Deamidated: 9
				425 - 448	883.43	75.4	R.LLEGEEQRL CEGVGAVNVC VSSSR.G	Carbamidomethyl: 10, 19
				364 - 381	886.95	43.7	E.AAVTQAEQQ GAAALADAK.C	Deamidated: 5
				192 - 207	904.98	101.9	R.LSSELNSLQ EVLEGYK.K	
				192 - 207	905.49	92.3	R.LSSELNSLQ EVLEGYK.K	Deamidated: 6
				192 - 208	969.03	59.1	R.LSSELNSLQ EVLEGYK.K.R	
				181 - 207	995.8	25.9	R.EAEC AEADS GRLSSELNSLQ EVLEGYK.K	Carbamidomethyl: 4; Deamidated: 17
				362 - 381	1007.56	154.7	K.LEAAVTQAE QQGAAALADA K.C	
				239 - 256	1032.01	118.2	K.SDLEANVEA LIQETDFLR.R	
KAP11. 1	gij9990000 18	16.7	933.5	145 - 156	511.56	21.2	R.TYQQSCVSS CRR.I	Carbamidomethyl: 6, 10; Deamidated: 4
				145 - 156	511.19	28.5	R.TYQQSCVSS CRR.I	Carbamidomethyl: 6, 10
				145 - 156	511.9	27.6	R.TYQQSCVSS CRR.I	Carbamidomethyl: 6, 10; Deamidated: 3, 4
				121 - 132	602.35	36.4	R.SISTVCQPV GGV.S	Carbamidomethyl: 6
				145 - 155	688.31	77.3	R.TYQQSCVSS CR.R	Carbamidomethyl: 6, 10
				145 - 155	688.76	79.5	R.TYQQSCVSS CR.R	Carbamidomethyl: 6, 10; Deamidated: 3
				145 - 155	688.81	66.4	R.TYQQSCVSS CR.R	Carbamidomethyl: 6, 10; Deamidated: 4

				145 - 155	689.29	76.6	R.TYQQSCVSS CR.R	Carbamidomethyl: 6, 10; Deamidated: 3, 4
				121 - 135	752.91	59.1	R.SISTVCQPV GGVSTI.C	Carbamidomethyl: 6
				121 - 144	850.73	86.4	R.SISTVCQPV GGVSTICQPTC GVSR.T	Carbamidomethyl: 6, 16, 20
				121 - 144	851.09	34.3	R.SISTVCQPV GGVSTICQPTC GVSR.T	Carbamidomethyl: 6, 16, 20; Deamidated: 17
				64 - 78	869.87	65.8	Q.STCYQPTPC VSSPVR.V	Carbamidomethyl: 3, 9
				13 - 29	888.45	54.4	R.RIGGEYTPV VTVSSPD.A	
				14 - 31	903.47	43.5	R.IGGEYTPV VTVSSPDAD.C	
				13 - 31	981.48	80	R.RIGGEYTPV VTVSSPDAD. C	
				121 - 139	995.99	96.4	R.SISTVCQPV GGVSTICQPT. C	Carbamidomethyl: 6, 16
KAP13. 1	gij9990000 30	17.4	511.9	148 - 159	634.76	19.4	R.SGQSLSFQP TCG.S	Carbamidomethyl: 11
				148 - 163	862.41	49.8	R.SGQSLSFQP TCGSGFY.-	Carbamidomethyl: 11; Deamidated: 8
				136 - 144	576.32	49.3	R.SSFYRPTFF. S	
				136 - 145	619.82	27.6	R.SSFYRPTFF S.S	
				63 - 79	676.32	27	R.TQTVVSSPC QTSCYRPR.T	Carbamidomethyl: 9, 13
				136 - 147	741.39	31.3	R.SSFYRPTFF SSR.S	
				148 - 163	861.91	89.2	R.SGQSLSFQP TCGSGFY.-	Carbamidomethyl: 11
				148 - 163	862.42	104.8	R.SGQSLSFQP TCGSGFY.-	Carbamidomethyl: 11; Deamidated: 3
				20 - 36	934.46	105	R.YSGSSCGSS FPSNLVYR.T	Carbamidomethyl: 6
				20 - 36	934.91	58.2	R.YSGSSCGSS FPSNLVYR.T	Carbamidomethyl: 6; Deamidated: 13
KAP15. 1	gij9990000 32	14.6	216.6	1 - 12	682.78	22.7	- .SFNCSTGNFS RS.L	Carbamidomethyl: 4; Deamidated: 8
				68 - 82	958.41	104.4	R.FFQTSCSHP QNFIFR.S	Carbamidomethyl: 6
				68 - 82	959	89.5	R.FFQTSCSHP QNFIFR.S	Carbamidomethyl: 6; Deamidated: 3
KAP16. 2	gij9990000 35	6	130.2	1 - 19	1063.95	130.5	- .SYYYGNYYGG LGYGLGGFR.G	
KAP19.	gij9990000	7.6	350.9	25 - 32	450.68	39.1	R.GCGCGSFR.	Carbamidomethyl:

3	16						R	2, 4
				9 - 24	767.92	99.4	S.GLGYGYGGF GGLGFGR.G	
				59 - 72	831.42	54.6	R.CPSSFGRYG FSSFY.-	Carbamidomethyl: 1
				33 - 58	910.05	68.5	R.RLGFSTGFG GYGCGSGFGS FGYGYNR.C	Carbamidomethyl: 13
				34 - 65	1122.14	88.5	R.LGFSTGFGG YGCGSGGFSF GYGYNRCPS FGR.Y	Carbamidomethyl: 12, 26; Deamidated: 24
KAP19. 5	gij9990000 15	7.7	319.1	34 - 49	566.25	28.1	R.LGCGSGFRG YGCDGSGF.G	Carbamidomethyl: 3, 12
				34 - 41	427.23	57.8	R.LGCGSGFR. G	Carbamidomethyl: 3
				25 - 32	450.68	39.1	R.GCGCGSFR. R	Carbamidomethyl: 2, 4
				65 - 72	512.26	34.3	R.RCGFSSFY.-	Carbamidomethyl: 2
				9 - 24	767.92	99.4	R.GLGYGYGGF GGLGFGR.G	
				42 - 64	876.71	60.4	R.GYGCDSGF GSFGSGCCHR PLFFR.R	Carbamidomethyl: 4, 15, 16
KAP24. 1 Partial	gij9990000 55	21	155.8	39 - 61	852.11	26.5	R.HVSPTFGLS LPSSYHGNLW LLDN.C	
				23 - 38	929.46	100.7	R.THYYFPVTG SVALCSR.H	Carbamidomethyl: 14
				39 - 64	991.47	28.7	R.HVSPTFGLS LPSSYHGNLW LLDNCQE.T	Carbamidomethyl: 24; Deamidated: 25
KAP26. 1	gij9990000 54	19.2	92.5	50 - 60	654.82	27.4	R.TWILSNGQE TC.S	Carbamidomethyl: 11
				5 - 16	695.82	65.1	N.YCSGNYTLG SLR.S	Carbamidomethyl: 2
KAP3.4	gij9990000 31	10.4	297.1	13 - 23	590.79	15.7	T.TPATTICSSD K.F	Carbamidomethyl: 7
				27 - 45	1131	38.3	R.CGVCLPSTC PHTVWFLEPT. C	Carbamidomethyl: 1, 4, 9
				27 - 37	644.28	61.4	R.CGVCLPSTC PH.T	Carbamidomethyl: 1, 4, 9
				15 - 26	723.3	46.6	P.ATTICSSDKF CR.C	Carbamidomethyl: 5, 11
				13 - 26	822.38	29.6	T.TPATTICSSD KFCR.C	Carbamidomethyl: 7, 13
				27 - 40	837.39	53.8	R.CGVCLPSTC PHTVW.F	Carbamidomethyl: 1, 4, 9
				12 - 26	872.83	51.7	P.TTPATTICSS DKFCR.C	Carbamidomethyl: 8, 14
KAP6.1	gij9990000	8.3	703.4	21 - 35	566.25	41	G.LGCGYGSCY GSGFRR.L	Carbamidomethyl: 3, 8

	21							
				40 - 49	570.24	62.5	G.YGCGYGYG SR.S	Carbamidomethyl: 3
				39 - 49	598.73	53.5	C.GYGCGYGY GSR.S	Carbamidomethyl: 4
				50 - 61	632.25	92.7	R.SLCGSYGYG GSR.S	Carbamidomethyl: 3
				70 - 82	719.31	49.2	G.CGSGYGSG FGYYY.-	Carbamidomethyl: 1
				43 - 49	759.29	29.6	C.GYGYGSR.S	
				36 - 49	763.8	88.8	R.LGCGYGCG YGYGSR.S	Carbamidomethyl: 3, 7
				21 - 34	770.84	102.2	G.LGCGYGSCY GSGFR.R	Carbamidomethyl: 3, 8
				47 - 61	782.31	42.5	Y.GSRSLCGSG YGYGSR.S	Carbamidomethyl: 6
				35 - 49	841.81	61.6	R.RLGCYGYC GYGYGSR.S	Carbamidomethyl: 4, 8
				62 - 82	1109.93	79.7	R.SLCGSYGYC GSGYGSFGY YY.-	Carbamidomethyl: 3, 9
KAP6.3	gij9990000 20	8.3	617	50 - 64	817.36	19.4	R.SLCGSYGYC GSRPLY.G	Carbamidomethyl: 3, 9
				21 - 35	566.25	41	G.LGCGYGSCY GSGFRR.L	Carbamidomethyl: 3, 8
				40 - 49	570.24	62.5	G.YGCGYGYG SR.S	Carbamidomethyl: 3
				39 - 49	598.73	53.5	C.GYGCGYGY GSR.S	Carbamidomethyl: 4
				50 - 61	630.76	49.9	R.SLCGSYGYC GSR.P	Carbamidomethyl: 3, 9
				70 - 82	719.31	49.2	G.CGSGYGSG FGYYY.-	Carbamidomethyl: 1
				43 - 49	759.29	29.6	C.GYGYGSR.S	
				36 - 49	763.8	88.8	R.LGCGYGCG YGYGSR.S	Carbamidomethyl: 3, 7
				21 - 34	770.84	102.2	G.LGCGYGSCY GSGFR.R	Carbamidomethyl: 3, 8
				35 - 49	841.81	61.6	R.RLGCYGYC GYGYGSR.S	Carbamidomethyl: 4, 8
				50 - 65	845.9	59.2	R.SLCGSYGYC GSRPLY.G.C	Carbamidomethyl: 3, 9
KAP6.3 var1	gij9990000 19	7.1	561.2	21 - 35	566.25	41	G.LGCGYGSCY GSGFRR.L	Carbamidomethyl: 3, 8
				40 - 49	570.24	62.5	G.YGCGYGYG SR.S	Carbamidomethyl: 3
				39 - 49	598.73	53.5	C.GYGCGYGY GSR.S	Carbamidomethyl: 4
				58 - 70	719.31	49.2	G.CGSGYGSG FGYYY.-	Carbamidomethyl: 1
				43 - 49	759.29	29.6	C.GYGYGSR.S	

				36 - 49	763.8	88.8	R.LGCGYGCG YGYGSR.S	Carbamidomethyl: 3, 7
				21 - 34	770.84	102.2	G.LGCGYGSCY GSGFR.R	Carbamidomethyl: 3, 8
				35 - 49	841.81	61.6	R.RLGCGYGC GYGYGSR.S	Carbamidomethyl: 4, 8
				50 - 70	1147.94	72.7	R.SLYGCGYGC GSGYGSGFGY YY.-	Carbamidomethyl: 5, 9
KAP9.2	gij9990000 72	30.4	619.9	236 - 241	389.68	23.8	R.TCYHPT.C	Carbamidomethyl: 2
				155 - 161	409.76	33.9	R.TTCLKPV.C	Carbamidomethyl: 3
				236 - 242	469.7	32.6	R.TCYHPTC.C	Carbamidomethyl: 2, 7
				155 - 165	626.33	39.9	R.TTCLKPVCA TT.C	Carbamidomethyl: 3, 8
				28 - 37	671.21	59.6	C.YQTSEHTCC R.T	Carbamidomethyl: 8, 9
				264 - 273	671.21	51.5	R.PVCCQTTCC R.T	Carbamidomethyl: 3, 4, 8, 9
				21 - 37	738.66	60	R.PCCPPTCYQ TSEHTCCR.T	Carbamidomethyl: 2, 3, 7, 15, 16
				236 - 247	763.28	34.8	R.TCYHPTCCC LPG.C	Carbamidomethyl: 2, 7, 8, 9
				236 - 248	843.29	48.3	R.TCYHPTCCC LPGC.Q	Carbamidomethyl: 2, 7, 8, 9, 13
				236 - 257	884.32	41.2	R.TCYHPTCCC LPGCQAQSCG SSC.C	Carbamidomethyl: 2, 7, 8, 9, 13, 18, 22
				38 - 53	936.36	42.8	R.TTCSKPTCV TTCCQPA.C	Carbamidomethyl: 3, 8, 12, 13
				277 - 291	952.83	75.7	R.CRPSCVSSC CQPSCC.-	Carbamidomethyl: 1, 5, 9, 10, 14, 15
				236 - 251	1006.87	46.9	R.TCYHPTCCC LPGCQAQ.S	Carbamidomethyl: 2, 7, 8, 9, 13
				236 - 252	1050.39	28.8	R.TCYHPTCCC LPGCQAQS.C	Carbamidomethyl: 2, 7, 8, 9, 13
KAP9.2- like	gij9990000 57	20.6	459.7	140 - 145	395.7	28.8	R.ICYHPT.C	Carbamidomethyl: 2
				9 - 15	489.23	18.1	R.CQPPCCR.T	Carbamidomethyl: 1, 5, 6
				140 - 146	475.73	40.3	R.ICYHPTC.C	Carbamidomethyl: 2, 7
				140 - 147	555.75	74.4	R.ICYHPTCC.C	Carbamidomethyl: 2, 7, 8
				31 - 39	623.69	48.7	R.TCCQTTCCR .T	Carbamidomethyl: 2, 3, 7, 8
				168 - 177	671.21	51.5	R.PVCCQTTCC R.T	Carbamidomethyl: 3, 4, 8, 9
				140 - 151	769.33	34.7	R.ICYHPTCCCL PG.C	Carbamidomethyl: 2, 7, 8, 9
				140 - 152	849.36	42.6	R.ICYHPTCCCL PGC.Q	Carbamidomethyl: 2, 7, 8, 9, 13
				178 - 194	1070.37	79	R.TTCCRPSCV STCCPSFC.-	Carbamidomethyl: 3, 4, 8, 12, 13, 17

				140 - 156	1077.4	41.5	R.ICYHPTCCCL PGCQAQE.C	Carbamidomethyl: 2, 7, 8, 9, 13
KAP4.9	gij9990001 25	17.2	340.9	17 - 35	842.29	17.9	R.SLCQETCCR PSCCQTTCR. T	Carbamidomethyl: 3, 7, 8, 12, 13, 17, 18; Deamidated: 14
				109 - 117	563.76	54.2	R.ISSCCRPSC. C	Carbamidomethyl: 4, 5, 9
				6 - 16	606.72	47.6	C.GSVCSQSC GR.S	Carbamidomethyl: 4, 9
				36 - 47	687.8	38.9	R.TTCYRPSCG VSS.C	Carbamidomethyl: 3, 8
				17 - 35	841.96	47.8	R.SLCQETCCR PSCCQTTCR. T	Carbamidomethyl: 3, 7, 8, 12, 13, 17, 18
				17 - 35	842.28	47	R.SLCQETCCR PSCCQTTCR. T	Carbamidomethyl: 3, 7, 8, 12, 13, 17, 18; Deamidated: 4
				96 - 108	854.83	105.4	R.CCQPVCCQ PSCPR.I	Carbamidomethyl: 1, 2, 6, 7, 11
K10	gij9990000 82	56.3	301.5	160 - 166	498.27	27.8	K.IKEWYEK.H	
				305 - 314	606.31	19.9	R.SQYEQLAEK N.R	Deamidated: 5, 10
				197 - 217	782.42	16.2	T.TDNANILIQV DNARLAADDF R.M	
				202 - 217	915.99	32.4	N.ILIQVDNARL AADDFR.M	Deamidated: 7
				211 - 217	404.25	53.8	R.LAADDFR.M	
				240 - 248	516.29	64.2	R.VLDELTLTK. T	
				424 - 432	583.35	40.4	R.LENEIQTYR. S	
				422 - 432	717.89	46.9	K.IRLENEIQTY R.S	
K31	gij1646528 64	46.8	4848.6	127 - 135	500.83	40	R.LVVQIDNAK. L	Deamidated: 4
				136 - 144	518.83	37.9	K.LAADDFRTK. Y	
				349 - 357	599.81	24	R.LECEINTYR. G	Carbamidomethyl: 3; Deamidated: 6
				232 - 241	625.84	24.5	Q.YEALVETNR R.D	
				230 - 241	725.89	17.4	R.AQYEALVET NRR.D	Deamidated: 2
				123 - 135	735.91	31.7	S.ENARLVVQID NAK.L	Deamidated: 8
				329 - 346	744.4	18.4	I.RGDLERQNQ EYQVLLDVR.A	
				281 - 293	761.41	22.1	N.ALEVELQAQ HNLR.D	Deamidated: 7
				145 - 164	787.78	20.6	K.YETELGLRQ LVESDINGLRR.	

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				256 - 276	821.8	15.6	N.KQVVSSSEQ LQSCQTEIIELR .R	Carbamidomethyl: 13; Deamidated: 11
				278 - 302	946.81	15.2	R.TVNALEVEL QAQHNLRD SL ENTLTE.T	Deamidated: 3
				203 - 229	998.87	22.1	R.SQLGDR LNV EVDAAPT VDLN RVLNETR.A	
				341 - 346	357.77	49	Q.VLLDVR.A	
				224 - 229	366.19	30.3	R.VLNETR.A	
				136 - 142	404.25	53.8	K.LAADDFR.T	
				323 - 329	408.76	50.8	E.SQLAEIR.G	
				67 - 73	412.23	53.8	R.LASYLEK.V	
				7 - 13	423.79	50.6	C.LPNLSFR.S	
				153 - 164	467.28	34.4	R.QLVESDINGL RR.I	
				80 - 87	474.27	44.7	R.ENAELESR.I	
				230 - 241	483.94	57.3	R.AQYEALVET NRR.D	
				109 - 116	494.81	70	R.TIEELQQK.I	
				127 - 135	500.36	71.6	R.LVVQIDNAK. L	
				127 - 135	500.83	49.4	R.LVVQIDNAK. L	Deamidated: 7
				59 - 66	512.82	36.4	E.TMQFLNDR.L	
				358 - 366	518.78	45.4	R.GLLDSEDCK. L	Carbamidomethyl: 8
				165 - 173	552.82	74.2	R.ILDELTLCK.S	Carbamidomethyl: 8
				242 - 249	555.32	53.1	R.DVEEWYIR.Q	
				405 - 413	556.74	65.4	R.CGPCNSYVR .-	Carbamidomethyl: 1, 4
				58 - 66	577.32	62.8	K.ETMQFLNDR .L	
				5 - 13	577.36	37	N.FCLPNLSFR. S	Carbamidomethyl: 2
				58 - 66	577.83	32.8	K.ETMQFLNDR .L	Deamidated: 4
				58 - 66	585.29	58.5	K.ETMQFLNDR .L	Oxidation: 3
				58 - 66	585.78	34.4	K.ETMQFLNDR .L	Oxidation: 3; Deamidated: 4
				213 - 223	585.86	45.8	E.VDAAPTVDL NR.V	
				109 - 123	597.35	31.6	R.TIEELQQKIL CAKSE.N	Carbamidomethyl: 11

				349 - 357	599.31	69.2	R.LECEINTYR. G	Carbamidomethyl: 3
				143 - 152	605.37	72	R.TKYETELGL R.Q	
				174 - 184	609.86	84	K.SDLEAQVES LK.E	
				182 - 191	616.9	27.3	E.SLKEELICK. S	Carbamidomethyl: 8
				153 - 163	622.86	31.4	R.QLVESDINGL R.R	Deamidated: 8
				164 - 173	630.92	40	R.RILDELTLCK. S	Carbamidomethyl: 9
				4 - 13	634.3	39.1	F.NFCLPNLSF R.S	Carbamidomethyl: 3
				47 - 57	644.82	49.6	W.FCEGSFNG NEK.E	Carbamidomethyl: 2
				230 - 240	647.36	79.3	R.AQYEALVET NR.R	
				92 - 102	650.34	39.6	R.SQQQEPLVC PN.Y	Carbamidomethyl: 9
				76 - 91	662.4	30.8	R.QLERENAEL ESRILER.S	
				136 - 152	666.73	34.9	K.LAADDFRTK YETELGLR.Q	
				283 - 293	668.9	50.2	L.EVELQAQHN LR.D	
				203 - 214	672.89	31.6	R.SQLGDRLNV EVD.A	
				127 - 144	673.09	47.8	R.LVVQIDNAKL AADDFRTK.Y	
				295 - 306	682.37	78.8	D.SLENTLTETE AR.Y	
				323 - 334	693.9	35.9	E.SQLAEIRGDL ER.Q	
				174 - 191	702.37	43.1	K.SDLEAQVES LKEELICK.S	Carbamidomethyl: 16; Deamidated: 6
				109 - 126	711.08	77.7	R.TIEELQQKIL CAKSENAR.L	Carbamidomethyl: 11
				347 - 357	712.85	55.8	R.ARLECEINTY R.G	Carbamidomethyl: 5
				229 - 240	725.37	49.5	T.RAQYEALVE TNR.R	
				180 - 191	730.95	76.7	Q.VESLKEELIC LK.S	Carbamidomethyl: 10
				76 - 87	737.36	37.5	R.QLERENAEL ESR.I	
				58 - 75	738.41	55.1	K.ETMQFLNDR LASYLEKVR.Q	
				294 - 306	739.89	103.6	R.DSLENTLTET EAR.Y	
				294 - 306	740.35	83.9	R.DSLENTLTET EAR.Y	Deamidated: 5
				2 - 13	751.39	61.6	M.SFNFLPNL SFR.S	Carbamidomethyl: 5
				2 - 13	751.89	54.8	M.SFNFLPNL SFR.S	Carbamidomethyl: 5; Deamidated: 3

				335 - 346	752.95	94.3	R.QNQEQVLL DVR.A	
				335 - 346	753.44	54.7	R.QNQEQVLL DVR.A	Deamidated: 3
				203 - 223	761.43	76.6	R.SQLGDRNLV EVDAAPTVDLN R.V	
				209 - 229	780.12	53.5	R.LNVEVDAAP TVDLNRVLNET R.A	
				122 - 142	782.42	71.3	K.SENARLVVQI DNAKLAADDF R.T	
				109 - 121	787.44	74.1	R.TIEELQQKIL CAK.S	Carbamidomethyl: 11
				381 - 402	805.04	47	K.TITPCISSPC APAAPCTPCVP R.S	Carbamidomethyl: 5, 10, 16, 19
				209 - 223	813.48	88	R.LNVEVDAAP TVDLNR.V	
				209 - 223	813.98	29.2	R.LNVEVDAAP TVDLNR.V	Deamidated: 14
				257 - 277	830.75	62.7	K.QVVSSEQL QSCQTEIILR R.T	Carbamidomethyl: 12
				174 - 188	852.01	26.5	K.SDLEAQVES LKEELI.C	
				74 - 87	864.93	60.8	K.VRQLERENA ELESR.I	
				88 - 108	885.79	77.8	R.ILERSQQQE PLVCPNYQSYF R.T	Carbamidomethyl: 13
				307 - 329	893.83	47.4	R.YSCQLNQVQ SLISNVESQLA EIR.G	Carbamidomethyl: 3
				127 - 142	894.51	119.9	R.LVVQIDNAKL AADDFR.T	
				127 - 142	895.03	78.6	R.LVVQIDNAKL AADDFR.T	Deamidated: 4
				278 - 293	918.03	119.9	R.TVNALEVEL QAQHNL.R.D	
				278 - 293	918.49	102.4	R.TVNALEVEL QAQHNL.R.D	Deamidated: 10
				278 - 293	918.5	57.6	R.TVNALEVEL QAQHNL.R.D	Deamidated: 3
				307 - 322	941.47	75.7	R.YSCQLNQVQ SLISNVE.S	Carbamidomethyl: 3
				58 - 73	979.51	75.9	K.ETMQFLNDR LASYLEK.V	
				58 - 73	980	48	K.ETMQFLNDR LASYLEK.V	Deamidated: 7
				174 - 191	1052.56	91.8	K.SDLEAQVES LKEELICK.S	Carbamidomethyl: 16
				92 - 108	1072.52	78.7	R.SQQQEPLVC PNYQSYFR.T	Carbamidomethyl: 9
				278 - 306	1099.22	57.1	R.TVNALEVEL QAQHNL.RDSL ENTLTETEAR. Y	Deamidated: 3

K34	gij3093233 71	46.6	3745.9	248 - 257	625.84	24.5	Q.YEALVETNR R.D	
				339 - 350	708.89	20.1	E.SQLAEIRSDL ER.Q	
				246 - 257	725.89	17.4	R.AQYEALVET NRR.D	Deamidated: 2
				297 - 309	761.41	22.1	N.ALEVELQAQ HNLR.D	Deamidated: 7
				294 - 318	946.81	15.2	R.TVNALEVEL QAQHNLDSL ENTL.TE.T	Deamidated: 3
				219 - 245	998.87	22.1	R.SQLGDRLNV EVDAAPTVDLN RVLNETR.A	
				240 - 245	366.19	30.3	R.VLNETR.A	
				339 - 345	408.76	50.8	E.SQLAEIR.S	
				152 - 158	412.22	56.1	K.LASDDFR.T	
				83 - 89	412.23	53.8	R.LASYLEK.V	
				23 - 29	425.3	27.4	C.LPTLSYR.S	
				159 - 165	456.68	29.2	R.TKYESER.S	
				96 - 103	474.27	44.7	R.ENAELESR.I	
				374 - 382	482.26	34.5	R.GLLDSEDSK. L	
				246 - 257	483.94	57.3	R.AQYEALVET NRR.D	
				125 - 132	494.81	70	R.TIEELQQK.I	
				143 - 151	507.37	64.3	R.LVIQIDNAK.L	
				75 - 82	512.82	36.4	E.TMQFLNDR.L	
				181 - 189	552.82	74.2	R.ILDELTLCK.S	Carbamidomethyl: 8
				258 - 265	555.32	53.1	R.DVEEWYIR.Q	
				365 - 373	562.83	62.1	R.LESEINTYR. G	
				365 - 373	563.31	57.3	R.LESEINTYR. G	Deamidated: 6
				152 - 165	572.98	37.2	K.LASDDFRTK YESER.S	
				74 - 82	577.32	62.8	K.ETMQFLNDR .L	
				74 - 82	577.83	32.8	K.ETMQFLNDR .L	Deamidated: 4
				74 - 82	585.29	58.5	K.ETMQFLNDR .L	Oxidation: 3
				74 - 82	585.78	34.4	K.ETMQFLNDR .L	Oxidation: 3; Deamidated: 4

				229 - 239	585.86	45.8	E.VDAAPTVDL NR.V	
				166 - 180	596.04	54.5	R.SLRQLVESDI NSLRR.I	
				125 - 139	597.35	31.6	R.TIEELQQKIL CAKSE.N	Carbamidomethyl: 11
				209 - 218	599.79	40.8	K.NHEEEANSL R.S	
				190 - 200	609.86	84	K.SDLEAQVES LK.E	
				198 - 207	616.9	27.3	E.SLKEELLCLK .K	Carbamidomethyl: 8
				180 - 189	630.92	40	R.RILDELTLCK. S	Carbamidomethyl: 9
				63 - 73	644.82	49.6	W.FCEGSFNG NEK.E	Carbamidomethyl: 2
				246 - 256	647.36	79.3	R.AQYEALVET NR.R	
				299 - 309	668.9	50.2	L.EVELQAQHN LR.D	
				219 - 230	672.89	31.6	R.SQLGDRLNV EVD.A	
				363 - 373	676.37	67.6	K.ARLESEINTY R.G	
				311 - 322	682.37	78.8	D.SLENTLTETE AR.Y	
				277 - 293	684.07	25.6	S.SSEQLQSYQ AEIIELR.R.T	
				374 - 386	687.85	48.5	R.GLLDSEDSK LPSN.P	
				190 - 207	702.37	43.1	K.SDLEAQVES LKEELLCLK.K	Carbamidomethyl: 16; Deamidated: 6
				125 - 142	716.42	51	R.TIEELQQKIL CAKSENSR.L	Carbamidomethyl: 11
				245 - 256	725.37	49.5	T.RAQYEALVE TNR.R	
				196 - 207	730.95	76.7	Q.VESLKEELL CLK.K	Carbamidomethyl: 10
				92 - 103	737.36	37.5	R.QLERENAEL ESR.I	
				74 - 91	738.41	55.1	K.ETMQFLNDR LASYLEKVR.Q	
				351 - 362	739.43	27.2	R.QNQEYQVLL DVK.A	Deamidated: 3
				310 - 322	739.89	103.6	R.DSLENTLTET EAR.Y	
				310 - 322	740.35	83.9	R.DSLENTLTET EAR.Y	Deamidated: 5
				190 - 208	744.76	42.8	K.SDLEAQVES LKEELLCLKK.N	Carbamidomethyl: 16
				219 - 239	761.43	76.6	R.SQLGDRLNV EVDAAPTVDLN R.V	
				225 - 245	780.12	53.5	R.LNVEVDAAP TVDLNRVLNET R.A	

				125 - 137	787.44	74.1	R.TIEELQQKIL CAK.S	Carbamidomethyl: 11
				225 - 239	813.48	88	R.LNVEVDAAP TVDLNR.V	
				225 - 239	813.98	29.2	R.LNVEVDAAP TVDLNR.V	Deamidated: 14
				106 - 124	815.05	62	R.ERSQQQEPL LCPNYQSYFR. T	Carbamidomethyl: 11
				166 - 179	815.47	78.7	R.SLRQLVESDI NSLR.R	
				190 - 204	852.01	26.5	K.SDLEAQVES LKEELL.C	
				90 - 103	864.93	60.8	K.VRQLERENA ELES.R	
				294 - 309	918.03	119.9	R.TVNALEVEL QAQHNLR.D	
				294 - 309	918.49	102.4	R.TVNALEVEL QAQHNLR.D	Deamidated: 10
				294 - 309	918.5	57.6	R.TVNALEVEL QAQHNLR.D	Deamidated: 3
				374 - 399	947.78	71.7	R.GLLDSEDSK LPSNPCATTNA SSNFCR.S	Carbamidomethyl: 15, 25
				74 - 89	979.51	75.9	K.ETMQFLNDR LASYLEK.V	
				74 - 89	980	48	K.ETMQFLNDR LASYLEK.V	Deamidated: 7
				190 - 207	1052.56	91.8	K.SDLEAQVES LKEELLCLK.K	Carbamidomethyl: 16
				108 - 124	1079.53	71.9	R.SQQQEPLLC PNYQSYFR.T	Carbamidomethyl: 9
				294 - 322	1099.22	57.1	R.TVNALEVEL QAQHNLRDSL ENTLTETEAR. Y	Deamidated: 3
K75	gij9990000 81	58.8	303.3	68 - 76	499.76	18.5	S.ISGCGSNFR. S	Carbamidomethyl: 4; Deamidated: 7
				437 - 447	632.41	51.7	K.LALDVEIATY R.K	
				430 - 447	707.42	19.3	Y.QELMNIKAL DVEIATYR.K	
				164 - 170	453.78	35.3	R.FLEQQNK.V	
				242 - 252	596.87	76.3	R.TAAENEFVA LK.N	
				308 - 319	651.92	102.2	R.SLDLDSIIAE VK.A	
K83	gij3122835 88	53.9	4715	413 - 421	565.33	46.2	R.RLLEGEEQR. L	
				413 - 422	621.85	22.8	R.RLLEGEEQR L.C	
				131 - 140	631.38	27.8	R.FLEQQNKLL E.T	
				325 - 329	633.35	16.5	K.EEINE.L	

				228 - 246	740.43	20.9	K.SDLEANSEA LIQEIDFLRR.L	
				227 - 246	783.12	35.4	R.KSDLEANSE ALIQEIDFLRR.L	
				414 - 437	883.73	18.9	R.LLEGEEQRL CEVGAVNVC VSSSR.G	Carbamidomethyl: 10, 19; Deamidated: 7
				273 - 295	895.45	23.5	R.DLNMDCIVA EIKAQYDDIAS RSR.A	Carbamidomethyl: 6; Deamidated: 3
				39 - 44	378.17	29	R.GISCYR.G	Carbamidomethyl: 4
				122 - 128	406.25	61.3	R.FAAFIDK.V	
				197 - 206	422.25	33.7	K.KKYEEVAL R.A	
				45 - 53	426.21	56.8	R.GLTGGFGSR .S	
				131 - 137	453.78	35.3	R.FLEQQNK.L	
				402 - 413	473.95	67	K.LGLDIEIATY RR.L	
				247 - 253	476.29	47.5	R.LYEEEEIR.V	
				259 - 267	481.35	33.8	N.ISDTSVIVK.M	
				414 - 421	487.3	59.9	R.LLEGEEQR.L	
				337 - 345	487.78	48.9	R.LTAEVENAK. C	
				219 - 226	499.26	55.5	K.DVDCAYVR. K	Carbamidomethyl: 4
				199 - 206	504.82	56.5	K.YEEVALR.A	
				296 - 303	506.29	57	R.AEASWYR. S	
				16 - 29	507.94	40.4	R.AFSCVSACG PRPGR.C	Carbamidomethyl: 4, 8
				325 - 332	508.79	39.4	K.EEINELNR.V	
				285 - 293	519.77	75	K.AQYDDIASR. S	
				337 - 350	531.28	40	R.LTAEVENAK CQNSK.L	Carbamidomethyl: 10
				122 - 130	533.84	64.3	R.FAAFIDKVR. F	
				373 - 382	536.33	87.2	K.LAGLEEALQ K.A	
				428 - 437	539.74	37.6	G.AVNVCVSSS R.G	Carbamidomethyl: 5
				414 - 422	543.84	57.4	R.LLEGEEQRL. C	
				246 - 253	554.33	49.8	R.RLYEEEEIR.V	
				30 - 38	556.3	57.9	R.CCITAAPYR. G	Carbamidomethyl: 1, 2
				393 - 401	564.31	40.6	K.EYQEVMSK .L	

				198 - 206	568.86	76.3	K.KYEEEEVALR. A	
				333 - 342	579.38	47.2	R.VIQRLTAEVE .N	
				4 - 15	579.83	82.6	C.GFSTVGS GF GSR.A	
				323 - 336	581.34	49.7	R.TKEEINELNR VIQR.L	
				383 - 392	589.26	63	K.AKQDMACLL K.E	Carbamidomethyl: 7
				422 - 432	589.32	32.4	R.LCEGVGAVN VC.V	Carbamidomethyl: 2, 11
				207 - 217	596.87	76.3	R.ATAENEFVA LK.K	
				383 - 392	597.34	38.8	K.AKQDMACLL K.E	Carbamidomethyl: 7; Oxidation: 5
				372 - 382	600.41	80.9	C.KLAGLEEAL QK.A	
				16 - 26	606.25	35.4	R.AFSCVVSACG PR.P	Carbamidomethyl: 4, 8
				306 - 315	609.89	64.6	K.CEEIKATVIR. H	Carbamidomethyl: 1
				170 - 180	611.77	87.5	R.EAECVEADS GR.L	Carbamidomethyl: 4
				296 - 305	613.82	54.5	R.AEAESWYRS K.C	
				323 - 332	623.35	61.2	R.TKEEINELNR .V	
				294 - 303	627.83	69.4	R.SRAEAESWY R.S	
				402 - 412	632.41	104.3	K.LGLDIEIATY R.R	
				373 - 384	635.91	73.9	K.LAGLEEALQ KAK.Q	
				285 - 295	641.31	37	K.AQYDDIASR SR.A	
				181 - 197	658.39	46.3	R.LSSELNHVQ EVLEGYKK.K	
				207 - 218	660.86	81.7	R.ATAENEFVA LKK.D	
				371 - 382	680.44	75.9	R.CKLAGLEEA LQK.A	Carbamidomethyl: 1
				385 - 401	696.7	26.6	K.QDMACLLKE YQEVMSNSK.L	Carbamidomethyl: 5; Deamidated: 1
				97 - 108	700.9	54.2	L.NLEIDPNAQC VK.Q	Carbamidomethyl: 10
				2 - 15	710.3	112.4	M.TCGFSTVGS GFGSR.A	Carbamidomethyl: 2
				424 - 437	710.84	75.7	C.EGVGAVNVC VSSSR.G	Carbamidomethyl: 9
				273 - 284	710.9	100.1	R.DLNMDCIVA EIK.A	Carbamidomethyl: 6
				273 - 284	718.88	85.8	R.DLNMDCIVA EIK.A	Carbamidomethyl: 6; Oxidation: 4
				333 - 345	735.91	72.6	R.VIQRLTAEVE NAK.C	
				254 - 267	743.99	102.6	R.VLQANISDTS VIVK.M	

				131 - 142	745.94	62.7	R.FLEQQNKLL ETK.L	
				383 - 401	762.71	77.7	K.AKQDMACLL KEYQEVMSK. L	Carbamidomethyl: 7
				138 - 149	768.94	70.8	K.LLETKLQFFQ NR.Q	
				438 - 445	776.34	26.6	R.GGVVCGDL. C	Carbamidomethyl: 5
				349 - 370	776.77	40.3	N.SKLEAAVTQ AEQQGEVALN DAR.C	
				131 - 149	808.79	48.7	R.FLEQQNKLL ETKLQFFQNR. Q	
				273 - 293	814.1	63.4	R.DLNMDCIVA EIKAQYDDIAS R.S	Carbamidomethyl: 6
				422 - 437	847.42	126.7	R.LCEGVGAVN VCVSSSR.G	Carbamidomethyl: 2, 11
				422 - 437	847.88	34.9	R.LCEGVGAVN VCVSSSR.G	Carbamidomethyl: 2, 11; Deamidated: 9
				414 - 437	883.43	75.4	R.LLEGEEQRL CEGVGAVNVC VSSSR.G	Carbamidomethyl: 10, 19
				354 - 370	900.45	52.9	A.AVTQAEQQG EVALNDAR.C	
				346 - 370	911.13	40.2	K.CQNSKLEAA VTQAEQQGEV ALNDAR.C	Carbamidomethyl: 1; Deamidated: 12
				353 - 370	935.98	113.8	E.AAVTQAEQQ GEVALNDAR.C	
				228 - 245	1032.54	71.2	K.SDLEANSEA LIQEIDFLR.R	Deamidated: 6
				351 - 370	1057.1	124.6	K.LEAAVTQAE QQGEVALNDA R.C	
				351 - 370	1057.51	121.9	K.LEAAVTQAE QQGEVALNDA R.C	Deamidated: 17
				351 - 370	1057.55	62.7	K.LEAAVTQAE QQGEVALNDA R.C	Deamidated: 7
				227 - 245	1096.63	88.1	R.KSDLEANSE ALIQEIDFLR.R	Deamidated: 7
KAP6	gij2245560 10	8.3	618	22 - 36	566.25	41	G.LGCGYGSCY GSGFRR.L	Carbamidomethyl: 3, 8
				41 - 50	570.24	62.5	G.YGCGYGYG SR.S	Carbamidomethyl: 3
				40 - 50	598.73	53.5	C.GYCGYGYG GSR.S	Carbamidomethyl: 4
				51 - 62	630.76	49.9	R.SLCGSGYGC GSR.S	Carbamidomethyl: 3, 9
				71 - 83	719.31	49.2	G.CGSGYGS FGYYY.-	Carbamidomethyl: 1
				44 - 50	759.29	29.6	C.GYGYGSR.S	

				37 - 50	763.8	88.8	R.LGCGYGCG YGYGSR.S	Carbamidomethyl: 3, 7
				22 - 35	770.84	102.2	G.LGCGYGSCY GSGFR.R	Carbamidomethyl: 3, 8
				36 - 50	841.81	61.6	R.RLGCGYGC GYGYGSR.S	Carbamidomethyl: 4, 8
				63 - 83	1109.93	79.7	R.SLCGSGYGC GSGYGSGFGY YY.-	Carbamidomethyl: 3, 9
KAP7	gi 2245559 62	8.8	185	4 - 23	822.36	50.8	R.FFCCGSYFP GYPSYGTNFH R.T	Carbamidomethyl: 3, 4; Deamidated: 17
				27 - 43	857.96	30.5	R.ATPLNCVVP LGSPLGYG.C	Carbamidomethyl: 6
				27 - 43	858.45	31.8	R.ATPLNCVVP LGSPLGYG.C	Carbamidomethyl: 6; Deamidated: 5
				2 - 23	907.72	71.9	M.TRFFCCGSY FPGYPSYGTN FHR.T	Carbamidomethyl: 5, 6
KAP3.2	gi 229307	10.3	869	13 - 26	533.92	21.1	T.GPATTICSSD KFCR.C	Carbamidomethyl: 7, 13
				69 - 96	1023.47	18.7	N.SSHPTPLGS GINLTTFIQPGC ENVCEPR.C	Carbamidomethyl: 21, 25
				27 - 46	1158.58	22.6	R.CGVCLPSTC PHNISLLQPTC. C	Carbamidomethyl: 1, 4, 9, 20; Deamidated: 12, 17
				12 - 23	619.33	76.9	R.TGPATTICSS DK.F	Carbamidomethyl: 8
				27 - 37	644.28	61.4	R.CGVCLPSTC PH.N	Carbamidomethyl: 1, 4, 9
				12 - 24	692.83	72.6	R.TGPATTICSS DKF.C	Carbamidomethyl: 8
				27 - 38	701.8	44.1	R.CGVCLPSTC PHN.I	Carbamidomethyl: 1, 4, 9; Deamidated: 12
				15 - 26	723.3	46.6	P.ATTICSSDKF CR.C	Carbamidomethyl: 5, 11
				85 - 96	729.84	72.7	F.IQPGCENVC EPR.C	Carbamidomethyl: 5, 9
				84 - 96	803.39	59.5	T.FIQPGCENV CEPR.C	Carbamidomethyl: 6, 10
				12 - 26	850.88	103.9	R.TGPATTICSS DKFCR.C	Carbamidomethyl: 8, 14
				83 - 96	853.92	67	T.TFIQPGCENV CEPR.C	Carbamidomethyl: 7, 11
				72 - 96	920.09	32.9	H.PTPGLSGINL TTFIQPGCENV CEPR.C	Carbamidomethyl: 18, 22; Deamidated: 15
				79 - 96	1074.51	68.5	G.INLTTFIQPG CENVCEPR.C	Carbamidomethyl: 11, 15
				27 - 45	1078	54.2	R.CGVCLPSTC PHNISLLQPT.C	Carbamidomethyl: 1, 4, 9; Deamidated: 12
				66 - 96	1137.21	46.3	F.LLNSSHPTP GLSGINLTTFIQ PGCENVCEPR. C	Carbamidomethyl: 24, 28; Deamidated: 15

PREDICTED: desmocolin-3	gj 426253651	93.7	87.3	347 - 356	589.84	15.2	K.DSNDNLPTFR.Q	
				44 - 55	687.92	20.3	L.EADKMIGRVNLK.E	Deamidated: 10
				291 - 313	824.13	51.8	R.SPGLFSVHPSTGVITTVSHYLDR.E	
PREDICTED: desmoglucin-4	gj 426253981	113.8	663	233 - 243	695.81	20.7	R.EQHSMYNLLVR.G	Deamidated: 2
				247 - 261	849.8	19	D.RDGATDGLSSECDR.I	Carbamidomethyl: 12, 14
				903 - 909	433.25	43.9	I.PEPMHR.D	
				898 - 909	469.62	37.6	K.EEVAIPEPVMHR.D	
				901 - 909	525.33	53.5	V.AIPEPVMHR.D	
				1,037 - 1,045	570.3	40.8	R.YSNIHYSQQ.-	
				900 - 909	574.86	34.1	E.VAIPEPVMHR.D	
				139 - 149	663.89	26.4	R.GEDLERPLELR.V	
				1,019 - 1,031	675.82	41.9	R.ISQTSSTSPVTSR.H	
				1,019 - 1,031	676.35	72.7	R.ISQTSSTSPVTSR.H	Deamidated: 3
				123 - 133	712.92	77.9	R.EITPLFLIYCR.A	Carbamidomethyl: 10
				203 - 218	888.97	76.8	K.IVSQEPAGSPMFIMNR.Y	
				774 - 792	1078.01	117.8	R.DYGDTGLNLAFLDSYFSEK.A	
PREDICTED: desmoplakin	gj 426251400	331	228.9	1,808 - 1,815	487.79	29.3	S.QLQISNNR.T	Deamidated: 3, 6
				2,772 - 2,781	532.3	17.6	K.MSAAEAVKEK.W	
				866 - 874	543.84	23.4	K.KIKNDLNLK.K	Deamidated: 4
				1,669 - 1,679	623.35	23.2	L.TQQLEQASIVK.K	Deamidated: 3
				2,638 - 2,651	662.84	19	S.TGGGLSDDVFGSR.H	
				2,152 - 2,165	725.38	31.6	D.PFSGKTVSVSEAIK.K	
				2,403 - 2,414	732.33	15.1	S.LFQAMNKELIEK.G	

				148 - 156	496.81	69.6	K.YGDGIQLAR.S	
PREDICTED: junction plakoglobin	gj 4262380 25	81.7	89.3	125 - 142	677.04	17.3	K.SAIVHLINYQ DDAELATR.A	
				638 - 651	742.41	72	R.NEGTATYAA AVLFR.I	
K34	gj 4262380 03	46.6	3839	232 - 241	625.84	24.5	Q.YEALVETNR R.D	
				323 - 334	708.89	20.1	E.SQLAEIRSDL ER.Q	
				230 - 241	725.89	17.4	R.AQYEALVET NRR.D	Deamidated: 2
				281 - 293	761.41	22.1	N.ALEVELQAA HNL.R.D	Deamidated: 7
				278 - 302	946.81	15.2	R.TVNALEVEL QAQHNL.RDSL ENTL.TE.T	Deamidated: 3
				203 - 229	998.87	22.1	R.SQLGDR.LNV EVDAAPT.VDLN RVLNETR.A	
				224 - 229	366.19	30.3	R.VLNETR.A	
				323 - 329	408.76	50.8	E.SQLAEIR.S	
				136 - 142	412.22	56.1	K.LASDDFR.T	
				67 - 73	412.23	53.8	R.LASYLEK.V	
				7 - 13	425.3	27.4	C.LPTLSYR.S	
				143 - 149	456.68	29.2	R.TKYESER.S	
				80 - 87	474.27	44.7	R.ENAELESR.I	
				358 - 366	482.26	34.5	R.GLLDSEDSK. L	
				230 - 241	483.94	57.3	R.AQYEALVET NRR.D	
				109 - 116	494.81	70	R.TIEELQQK.I	
				127 - 135	507.37	64.3	R.LVIQIDNAK.L	
				59 - 66	512.82	36.4	E.TMQFLNDR.L	
				165 - 173	552.82	74.2	R.ILDELTLCK.S	Carbamidomethyl: 8
				242 - 249	555.32	53.1	R.DVEEWYIR.Q	
				349 - 357	562.83	62.1	R.LESEINTYR. G	
				349 - 357	563.31	57.3	R.LESEINTYR. G	Deamidated: 6

				136 - 149	572.98	37.2	K.LASDDFRTK YESER.S	
				58 - 66	577.32	62.8	K.ETMQFLNDR .L	
				58 - 66	577.83	32.8	K.ETMQFLNDR .L	Deamidated: 4
				58 - 66	585.29	58.5	K.ETMQFLNDR .L	Oxidation: 3
				58 - 66	585.78	34.4	K.ETMQFLNDR .L	Oxidation: 3; Deamidated: 4
				213 - 223	585.86	45.8	E.VDAAPTVDL NR.V	
				150 - 164	596.04	54.5	R.SLRQLVESDI NSLRR.I	
				109 - 123	597.35	31.6	R.TIEELQQKIL CAKSE.N	Carbamidomethyl: 11
				193 - 202	599.79	40.8	K.NHEEEANSL R.S	
				174 - 184	609.86	84	K.SDLEAQVES LK.E	
				182 - 191	616.9	27.3	E.SLKEELLCLK .K	Carbamidomethyl: 8
				164 - 173	630.92	40	R.RILDELTLCK. S	Carbamidomethyl: 9
				47 - 57	644.82	49.6	W.FCEGSFNG NEK.E	Carbamidomethyl: 2
				230 - 240	647.36	79.3	R.AQYEALVET NR.R	
				92 - 102	650.34	39.6	R.SQQQEPLVC PN.Y	Carbamidomethyl: 9
				76 - 91	662.4	30.8	R.QLERENAEL ESRILER.S	
				283 - 293	668.9	50.2	L.EVELQAQHN LR.D	
				203 - 214	672.89	31.6	R.SQLGDRNLV EVD.A	
				347 - 357	676.37	67.6	K.ARLESEINTY R.G	
				295 - 306	682.37	78.8	D.SLENTLTETE AR.Y	
				261 - 277	684.07	25.6	S.SSEQLQSYQ AEIILRR.T	
				358 - 370	687.85	48.5	R.GLLDSEDSK LPSN.P	
				174 - 191	702.37	43.1	K.SDLEAQVES LKEELLCLK.K	Carbamidomethyl: 16; Deamidated: 6
				109 - 126	716.42	51	R.TIEELQQKIL CAKSENSR.L	Carbamidomethyl: 11
				229 - 240	725.37	49.5	T.RAQYEALVE TNR.R	
				180 - 191	730.95	76.7	Q.VESLKEELL CLK.K	Carbamidomethyl: 10
				76 - 87	737.36	37.5	R.QLERENAEL ESR.I	
				58 - 75	738.41	55.1	K.ETMQFLNDR LASYLEKVR.Q	

				335 - 346	739.43	27.2	R.QNQEQVLL DVK.A	Deamidated: 3
				294 - 306	739.89	103.6	R.DSLENTLTET EAR.Y	
				294 - 306	740.35	83.9	R.DSLENTLTET EAR.Y	Deamidated: 5
				174 - 192	744.76	42.8	K.SDLEAQVES LKEELLCLKK.N	Carbamidomethyl: 16
				203 - 223	761.43	76.6	R.SQLGDRLNV EVDAAPTVDLN R.V	
				209 - 229	780.12	53.5	R.LNVEVDAAP TVDLNRVLNET R.A	
				109 - 121	787.44	74.1	R.TIEELQQKIL CAK.S	Carbamidomethyl: 11
				209 - 223	813.48	88	R.LNVEVDAAP TVDLNR.V	
				209 - 223	813.98	29.2	R.LNVEVDAAP TVDLNR.V	Deamidated: 14
				150 - 163	815.47	78.7	R.SLRQLVESDI NSLR.R	
				174 - 188	852.01	26.5	K.SDLEAQVES LKEELL.C	
				74 - 87	864.93	60.8	K.VRQLERENA ELESR.I	
				88 - 108	885.79	77.8	R.ILERSQQQE PLVCPNYQSYF R.T	Carbamidomethyl: 13
				278 - 293	918.03	119.9	R.TVNALEVEL QAQHNLR.D	
				278 - 293	918.49	102.4	R.TVNALEVEL QAQHNLR.D	Deamidated: 10
				278 - 293	918.5	57.6	R.TVNALEVEL QAQHNLR.D	Deamidated: 3
				358 - 383	947.78	71.7	R.GLLDSEDSK LPSNPCATTNA SSNFCR.S	Carbamidomethyl: 15, 25
				58 - 73	979.51	75.9	K.ETMQFLNDR LASYLEK.V	
				58 - 73	980	48	K.ETMQFLNDR LASYLEK.V	Deamidated: 7
				174 - 191	1052.56	91.8	K.SDLEAQVES LKEELLCLK.K	Carbamidomethyl: 16
				92 - 108	1072.52	78.7	R.SQQQEPLVC PNYQSYFR.T	Carbamidomethyl: 9
				278 - 306	1099.22	57.1	R.TVNALEVEL QAQHNLRDSL ENTLTETEAR. Y	Deamidated: 3
PREDIC TED: K32	gij4262380 05	46	1100.8	229 - 238	625.84	24.5	R.YEALVETNR R.D	
				213 - 226	801.44	22.7	A.VSPVDLNTV LEEMR.C	
				338 - 343	357.77	49	R.VLLDVR.A	

				133 - 139	404.25	53.8	K.LAADDFR.S	
				320 - 326	408.76	50.8	E.SQLAEIR.C	
				77 - 83	444.76	46.6	R.ENVELER.R	
				106 - 113	494.81	70	K.TIEELQQK.I	
				355 - 363	518.78	45.4	R.GLLDSEDCK.L	Carbamidomethyl: 8
				239 - 246	541.31	50.7	R.DVEEWFTR.Q	
				162 - 170	552.82	74.2	R.ILDELTLCK.A	Carbamidomethyl: 8
				55 - 63	554.36	61.5	K.ETLQFLNSR.L	
				346 - 354	554.84	49.7	R.LEAEINTYR.G	
				161 - 170	630.92	40	R.RILDELTLCK.A	Carbamidomethyl: 9
				344 - 354	668.39	53.2	R.ARLEAEINTYR.G	
				292 - 303	682.37	78.8	D.SLENTLTETE AR.Y	
				291 - 303	739.89	103.6	R.DSLENTLTET EAR.Y	
				291 - 303	740.35	83.9	R.DSLENTLTET EAR.Y	Deamidated: 5
				332 - 343	766.93	37.8	R.QNQEYRVLL DVR.A	
				212 - 226	836.94	66.1	D.AVSPVDLNT VLEEMR.C	
				84 - 101	1069.44	38.7	R.RLQEACDFQ EPTVGPNYL.C	Carbamidomethyl: 6; Deamidated: 16
PREDICTED: K18-like	gij426246505	47.9	304.4	158 - 164	404.25	53.8	R.LAADDFR.V	
				372 - 380	554.84	49.7	K.LEAEINTYR.R	
				370 - 380	668.39	53.2	T.VKLEAEINTYR.R	
				276 - 290	724.9	53.5	K.ESTAAVTSQ NAEIGA.A	
				276 - 290	725.38	59.8	K.ESTAAVTSQ NAEIGA.A	Deamidated: 9
				149 - 164	915.99	34.4	R.IVLQIDNARL AADDFR.V	Deamidated: 7
PREDICTED: K20	gij426237957	48.3	142.2	177 - 186	409.25	20	L.KMVFDDLTL K.K	Oxidation: 2
				81 - 87	426.26	20.6	R.LASYLER.V	
				352 - 360	561.3	19.1	H.EYNILLDIK.I	Deamidated: 3

				246 - 266	839.43	16.6	K.YDAMAQENL QKAKEQFEIQI N.D	Deamidated: 6, 8, 15, 19, 21
				81 - 89	553.89	66	R.LASYLERVR. S	
PREDICTED: K39	gij4262390 24	56.9	378.2	112 - 120	568.32	22.8	K.ETMKILNNR. L	Oxidation: 3; Deamidated: 8
				476 - 487	703.92	21.5	K.ICTITEEIKDG K.V	Carbamidomethyl: 2
				389 - 400	760.44	37.3	R.QNREYEILLD VK.S	
				128 - 133	388.25	36.6	K.VQMLER.E	
				121 - 127	425.76	46.7	R.LANYLEK.V	
				121 - 127	426.27	39.1	R.LANYLEK.V	Deamidated: 3
				163 - 170	494.81	70	A.TIEELQQK.I	
				236 - 245	616.9	27.3	Q.SLKEELLCLK .N	Carbamidomethyl: 8
				234 - 245	730.95	76.7	Q.VQSLKEELL CLK.N	Carbamidomethyl: 10; Deamidated: 2
PREDICTED: K40	gij4262379 61	47.4	968.2	178 - 185	498.8	28.2	K.YESELSLR.Q	
				382 - 390	599.81	24	R.LECEINTYR. G	Carbamidomethyl: 3; Deamidated: 6
				169 - 175	404.25	53.8	K.LAADDFR.S	
				100 - 106	412.23	53.8	R.LASYLEK.V	
				92 - 99	512.82	36.4	E.TMQFLNDR.L	
				91 - 99	577.32	62.8	K.ETMQFLNDR .L	
				91 - 99	577.83	32.8	K.ETMQFLNDR .L	Deamidated: 4
				91 - 99	585.29	58.5	K.ETMQFLNDR .L	Oxidation: 3
				91 - 99	585.78	34.4	K.ETMQFLNDR .L	Oxidation: 3; Deamidated: 4
				382 - 390	599.31	69.2	R.LECEINTYR. G	Carbamidomethyl: 3
				226 - 235	606.33	45.5	K.SHEEEVNL R.G	
				176 - 185	606.36	58.9	R.SKYESELSL R.Q	
				380 - 390	712.85	55.8	K.ARLECEINTY R.G	Carbamidomethyl: 5
				91 - 108	738.41	55.1	K.ETMQFLNDR LASYLEKVR.G	
				186 - 206	770.77	50.9	R.QLVETDISGL HGILGELTVCR.	Carbamidomethyl: 20

							S	
				242 - 256	822.48	53.5	R.LSVELNTAPT TDLNR.V	
				338 - 362	969.14	44.8	E.AQYSSELAQI QCLIDNVENQL AEIR.C	Carbamidomethyl: 12
				91 - 106	979.51	75.9	K.ETMQFLNDR LASYLEK.V	
				91 - 106	980	48	K.ETMQFLNDR LASYLEK.V	Deamidated: 7
PREDIC TED: K82	gij4262244 44	56.7	1207	196 - 205	403.92	30.9	L.QDTLEGYKK K.Y	
				420 - 428	565.33	46.2	R.RLLEGEEQR. L	
				420 - 429	621.85	22.8	R.RLLEGEEQR L.C	
				138 - 147	631.38	27.8	R.FLEQKNKLL E.T	
				138 - 144	453.78	35.3	R.FLEQKNK.L	
				409 - 420	473.95	67	K.LGLDIEIATY RR.L	
				344 - 355	481.31	35.4	R.LQQDIENVK AQR.C	
				421 - 428	487.3	59.9	R.LLEGEEQR.L	
				380 - 389	536.33	87.2	K.LAGLEEALQ K.A	
				344 - 352	543.84	35.2	R.LQQDIENVK. A	
				421 - 429	543.84	57.4	R.LLEGEEQRL. C	
				331 - 339	550.85	57.5	R.KNEILEINK.L	
				400 - 408	564.31	40.6	K.EYQEVMSK .L	
				390 - 399	589.26	63	K.AKQDMACLL K.E	Carbamidomethyl: 7
				390 - 399	597.34	38.8	K.AKQDMACLL K.E	Carbamidomethyl: 7; Oxidation: 5
				379 - 389	600.41	80.9	C.KLAGLEEAL QK.A	
				409 - 419	632.41	104.3	K.LGLDIEIATY R.R	
				380 - 391	635.91	73.9	K.LAGLEEALQ KAK.Q	
				378 - 389	680.44	75.9	K.CKLAGLEEA LQK.A	Carbamidomethyl: 1
				392 - 408	696.7	26.6	K.QDMACLLKE YQEVMSK.L	Carbamidomethyl: 5; Deamidated: 1
				138 - 149	745.94	62.7	R.FLEQKNKLL ETK.W	
				390 - 408	762.71	77.7	K.AKQDMACLL KEYQEVMSK. L	Carbamidomethyl: 7
PREDIC	gij4262244	64.1	362	419 - 428	536.33	35.3	K.LAELEGALQ	

TED: K84	40						Q.A	
				333 - 341	590.34	20.8	Q.YEEIARRSR. A	
				177 - 186	631.38	27.8	R.FLEQQNKLL E.T	
				419 - 430	635.91	30.8	K.LAELEGALQ QAK.Q	
				417 - 428	680.32	37.6	K.CKLAELEGA LQQ.A	Carbamidomethyl: 1
				177 - 183	453.78	35.3	R.FLEQQNK.L	
				319 - 330	643.42	79.5	R.DLNVDGIIADI K.A	
				41 - 53	662.87	32.1	S.GPSFRGLSG FGSR.S	
				177 - 188	745.94	62.7	R.FLEQQNKLL ETK.W	
PREDIC TED: K85	gij4262266 34	56.3	1099.4	158 - 167	631.38	27.8	R.FLEQQNKLL E.T	
				352 - 356	633.35	16.5	K.EEINE.L	
				60 - 71	661.85	18.7	G.PGYRRLGGF GSR.S	
				149 - 155	406.25	61.3	R.FAAFIDK.V	
				158 - 164	453.78	35.3	R.FLEQQNK.L	
				364 - 372	487.78	48.9	R.LTAEVENAK. Q	
				352 - 359	508.79	39.4	K.EEINELNR.V	
				149 - 157	533.84	64.3	R.FAAFIDKVR. F	
				414 - 422	564.31	40.6	K.EYQEVMSK .L	
				360 - 369	579.38	47.2	R.VIQRLTAEVE .N	
				350 - 363	581.34	49.7	R.TKEEINELNR VIQR.L	
				404 - 413	589.26	63	K.AKQDMACLL K.E	Carbamidomethyl: 7
				404 - 413	597.34	38.8	K.AKQDMACLL K.E	Carbamidomethyl: 7; Oxidation: 5
				350 - 359	623.35	61.2	R.TKEEINELNR .V	
				423 - 433	625.39	38.4	K.LGLDVEIATY R.K	
				392 - 403	694.45	27.6	K.CKLVGLEEA LQK.A	Carbamidomethyl: 1
				406 - 422	696.7	26.6	K.QDMACLLKE YQEVMSK.L	Carbamidomethyl: 5; Deamidated: 1
				360 - 372	735.91	72.6	R.VIQRLTAEVE NAK.Q	

				158 - 169	745.94	62.7	R.FLEQQNKLL ETK.L	
				404 - 422	762.71	77.7	K.AKQDMACLL KEYQEVMSK. L	Carbamidomethyl: 7
				178 - 196	791.07	35.1	Q.CCESNLEPL FNGYIETLRR.E	Carbamidomethyl: 1, 2
				457 - 472	801.9	73.7	R.SQGGVICGD LGSTVPR.G	Carbamidomethyl: 7
				158 - 176	814.12	72.1	R.FLEQQNKLL ETKLQFYQNR. Q	
PREDIC TED: K1b	gij4262244 20	60.9	199.8	390 - 408	1071.53	15.8	E.ISELNLTIQRL QAEIGNVK.K	Deamidated: 5, 9, 17
				192 - 198	453.78	35.3	R.FLEQQNQ.V	
				369 - 378	590.34	76.6	K.YQELQITAG R.H	Deamidated: 2
				192 - 203	738.4	72.2	R.FLEQQNQVL QTK.W	
PREDIC TED: K79	gij4262244 16	56.5	327.3	256 - 264	576.26	18.7	R.LVEEMDFLR. H	
				421 - 431	632.41	51.7	K.LALDVEIATY R.K	
				32 - 44	660.31	22.9	T.SFSSVTMGG FGSR.S	
				44 - 67	785.43	15.8	S.RSLYNLGG KSISVNMAGGA SAGR.V	Deamidated: 15
				146 - 152	453.78	35.3	R.FLEQQNK.V	
				292 - 303	665.42	98.1	R.NLDLDSIIAE VK.A	
				226 - 237	674.91	84.8	R.TAAENEFVV LKK.D	
PREDIC TED: KAP10- 8-like	gij4262183 37	29.5	193	59 - 69	631.86	66.6	R.LTLLCAPVSC E.S	Carbamidomethyl: 5, 10
				59 - 69	631.86	66.6	R.LTLLCAPVSC E.S	Carbamidomethyl: 5, 10
				271 - 283	694.87	49.1	R.LACGIPTSAP ELC.C	Carbamidomethyl: 3, 13
				271 - 284	774.89	77.3	R.LACGIPTSAP ELCC.-	Carbamidomethyl: 3, 13, 14
				42 - 58	988.84	50.4	S.CCEPPGCAP SCCTPAPR.L	Carbamidomethyl: 1, 2, 7, 11, 12
PREDIC TED: KAP13- 1-like	gij4262171 67	17.5	444.9	149 - 160	634.76	19.4	R.SGQSLSFQP TCG.S	Carbamidomethyl: 11

				149 - 164	862.41	49.8	R.SGQSLSFQP TCGSGFY.-	Carbamidomethyl: 11; Deamidated: 8
				34 - 40	434.78	40.5	R.SLQDHLR.T	
				14 - 20	434.78	40.5	R.SLQDHLR.Y	
				14 - 20	435.27	55.7	R.SLQDHLR.Y	Deamidated: 3
				34 - 40	435.27	55.7	R.SLQDHLR.T	Deamidated: 3
				128 - 137	551.68	42.8	R.SCYSVGCG GR.G	Carbamidomethyl: 2, 7
				137 - 145	576.32	49.3	R.SSFYRPTFF. S	
				137 - 146	619.82	27.6	R.SSFYRPTFF S.S	
				64 - 80	676.32	27	R.TQTVVSSPC QTSCYRPR.T	Carbamidomethyl: 9, 13
				137 - 148	741.39	31.3	R.SSFYRPTFF SSR.S	
				149 - 164	861.91	89.2	R.SGQSLSFQP TCGSGFY.-	Carbamidomethyl: 11
				149 - 164	862.42	104.8	R.SGQSLSFQP TCGSGFY.-	Carbamidomethyl: 11; Deamidated: 3
				142 - 167	947.45	37.7	R.LYGICGFP VLSSGSGFCR PTFFASR.S	Carbamidomethyl: 6, 18
				97 - 115	1054.99	92	R.TSTFSSPCQ TTFPGSLAYR. S	Carbamidomethyl: 8; Deamidated: 9
PREDIC TED: KAP16- 1-like	gij4262390 28	82.3	582.2	27 - 36	566.82	25	R.GPVCLPSSC R.S	Carbamidomethyl: 4, 9
				540 - 554	855.4	17.6	C.EPSCSEPSIC QSATR.V	Carbamidomethyl: 4, 10; Deamidated: 11
				116 - 127	646.35	33.9	K.ATICEPACPV SS.C	Carbamidomethyl: 4, 8
				555 - 565	666.39	35.8	R.VSLVCEPICV R.P	Carbamidomethyl: 5, 9
				77 - 88	688.82	45.8	T.TICEPACPVS SR.A	Carbamidomethyl: 3, 7
				76 - 88	739.37	36.4	E.TTICEPACPV SSR.A	Carbamidomethyl: 4, 8
				382 - 401	764.34	30.7	K.ATICESACPV SSCAQPVYYK. A	Carbamidomethyl: 4, 8, 13
				555 - 567	764.46	53.6	R.VSLVCEPICV RPV.C	Carbamidomethyl: 5, 9
				89 - 102	766.85	47.1	R.AQPVSCATI CEPA.C	Carbamidomethyl: 6, 11
				555 - 568	844.43	47.6	R.VSLVCEPICV RPVC.C	Carbamidomethyl: 5, 9, 14

				10 - 26	961.96	106.9	K.CPSVPAISLC STEVSCR.G	Carbamidomethyl: 1, 10, 16
				422 - 441	1115.99	101.7	E.ATICEPSCSV SSCAQPVSYSK. A	Carbamidomethyl: 4, 8, 13
PREDIC TED: KAP27- 1-like	gij 4262171 69	21.8	142.3	44 - 54	698.33	65.1	K.TWLLDNFPE TC.R	Carbamidomethyl: 11
				44 - 55	776.41	77.2	K.TWLLDNFPE TCR.E	Carbamidomethyl: 11
KAP3.3	gij 125661	10.5	574.2	8 - 26	725.34	16.2	C.CSVPTSPAT TICSSDKFCR.C	Carbamidomethyl: 1, 12, 18
				27 - 37	644.28	61.4	R.CGVCLPSTC PH.T	Carbamidomethyl: 1, 4, 9
				15 - 26	723.3	46.6	P.ATTICSSDKF CR.C	Carbamidomethyl: 5, 11
				10 - 23	732.31	29.1	S.VPTSPATTIC SSDK.F	Carbamidomethyl: 10
				9 - 23	775.85	35	C.SVPTSPATTI CSSDK.F	Carbamidomethyl: 11
				27 - 40	837.39	53.8	R.CGVCLPSTC PHTVW.L	Carbamidomethyl: 1, 4, 9
				8 - 23	855.88	61.9	C.CSVPTSPAT TICSSDK.F	Carbamidomethyl: 1, 12
				6 - 23	992.44	71.4	R.LCCSVPTSP ATTICSSDK.F	Carbamidomethyl: 2, 3, 14
				9 - 26	1007.41	82.9	C.SVPTSPATTI CSSDKFCR.C	Carbamidomethyl: 11, 17
				6 - 24	1065.99	69.1	R.LCCSVPTSP ATTICSSDKF.C	Carbamidomethyl: 2, 3, 14
				27 - 45	1113.51	46.8	R.CGVCLPSTC PHTVWLLQPT. C	Carbamidomethyl: 1, 4, 9
KAP3.4	gij 125662	10.5	599.9	8 - 26	725.34	16.2	C.CSVPTSPAT TICSSDKFCR.C	Carbamidomethyl: 1, 12, 18
				27 - 37	644.28	61.4	R.CGVCLPSTC PH.T	Carbamidomethyl: 1, 4, 9
				15 - 26	723.3	46.6	P.ATTICSSDKF CR.C	Carbamidomethyl: 5, 11
				10 - 23	732.31	29.1	S.VPTSPATTIC SSDK.F	Carbamidomethyl: 10
				9 - 23	775.85	35	C.SVPTSPATTI CSSDK.F	Carbamidomethyl: 11
				27 - 40	837.39	53.8	R.CGVCLPSTC PHTVW.F	Carbamidomethyl: 1, 4, 9
				8 - 23	855.88	61.9	C.CSVPTSPAT TICSSDK.F	Carbamidomethyl: 1, 12
				6 - 23	992.44	71.4	R.LCCSVPTSP ATTICSSDK.F	Carbamidomethyl: 2, 3, 14
				9 - 26	1007.41	82.9	C.SVPTSPATTI CSSDKFCR.C	Carbamidomethyl: 11, 17
				6 - 24	1065.99	69.1	R.LCCSVPTSP ATTICSSDKF.C	Carbamidomethyl: 2, 3, 14
				27 - 45	1130.51	30.3	R.CGVCLPSTC PHTVWFLQPT. C	Carbamidomethyl: 1, 4, 9

				27 - 45	1131	42.2	R.CGVCLPSTC PHTVWFLQPT. C	Carbamidomethyl: 1, 4, 9; Deamidated: 17
KAP2.3	gij125644	10.5	668.7	6 - 22	594.28	16.2	C.GPTFSSLSC GGCLQPR.Y	Carbamidomethyl: 9, 13
				41 - 47	408.28	51.2	R.PVTFVPR.C	
				48 - 57	450.2	32.8	R.CTRPICEPC R.R	Carbamidomethyl: 1, 6, 9
				51 - 57	466.27	30.5	R.PICEPCR.R	Carbamidomethyl: 3, 6
				124 - 131	514.72	47.6	R.TFRTSPCC.-	Carbamidomethyl: 7, 8
				58 - 67	632.31	36.6	R.RPVCCDPCS L.Q	Carbamidomethyl: 4, 5, 8
				1 - 12	637.32	43.6	- .TGSCCGPTFS SL.S	Carbamidomethyl: 4, 5
				58 - 69	760.82	57.4	R.RPVCCDPCS LQE.G	Carbamidomethyl: 4, 5, 8
				9 - 22	763.35	40.3	T.FSSLSCGGG CLQPR.Y	Carbamidomethyl: 6, 10
				58 - 70	789.32	46	R.RPVCCDPCS LQEG.C	Carbamidomethyl: 4, 5, 8
				8 - 22	813.84	60.6	P.TFSSLSCGG GCLQPR.Y	Carbamidomethyl: 7, 11
				58 - 77	842.35	45.1	R.RPVCCDPCS LQEGCCRPITC .C	Carbamidomethyl: 4, 5, 8, 14, 15, 20
				1 - 17	846.32	34	- .TGSCCGPTFS SLSCGGG.C	Carbamidomethyl: 4, 5, 14
				1 - 22	1173.49	126.9	- .TGSCCGPTFS SLSCGGGCLQ PR.Y	Carbamidomethyl: 4, 5, 14, 18
K85	gij246276	56.3	4089.3	65 - 71	375.27	24.2	R.IAVSGFR.A	
				424 - 432	565.33	46.2	R.RLLEGEEQR. L	
				229 - 237	570.35	19.1	K.KDVDCAYLR. K	Carbamidomethyl: 5
				424 - 433	621.85	22.8	R.RLLEGEEQR L.C	
				142 - 151	631.38	27.8	R.FLEQQNKLL E.T	
				336 - 340	633.35	16.5	K.EEINE.L	
				265 - 278	755.48	67.8	Q.ILNAHISDTS VIVK.M	
				133 - 139	406.25	61.3	R.FAAFIDK.V	
				208 - 217	422.25	33.7	K.KKYEEEEVAL R.A	
				382 - 393	429.92	30.7	R.SKLAGLEEA LQK.A	Deamidated: 11
				142 - 148	453.78	35.3	R.FLEQQNK.L	

				413 - 424	473.95	67	K.LGLDIEIATY RR.L	
				270 - 278	481.35	33.8	H.ISDTSVIVK.M	
				425 - 432	487.3	59.9	R.LLEGEEQR.L	
				348 - 356	494.83	59.1	R.LTAEIENAK. C	
				210 - 217	504.82	56.5	K.YEEEEVALR.A	
				230 - 237	506.27	45.7	K.DVDCAYLR.K	Carbamidomethyl: 4
				307 - 314	506.29	57	R.AEAESWYR. S	
				336 - 343	508.79	39.4	K.EEINELNR.V	
				296 - 304	519.77	75	K.AQYDDIASR. S	
				489 - 498	523.2	60.5	R.ASSFSCGSS R.S	Carbamidomethyl: 6
				133 - 141	533.84	64.3	R.FAAFIDKVR. F	
				384 - 393	536.33	87.2	K.LAGLEEALQ K.A	
				425 - 433	543.84	57.4	R.LLEGEEQRL. C	
				54 - 64	545.79	82	R.SVSALGSCG PR.I	Carbamidomethyl: 8
				439 - 448	547.78	43.7	G.SVNVCVSSS R.G	Carbamidomethyl: 5
				31 - 39	549.26	50.6	R.CCISAAPYR. G	Carbamidomethyl: 1, 2
				404 - 412	564.31	40.6	K.EYQEVMSK .L	
				209 - 217	568.86	76.3	K.KYEEEEVALR. A	
				16 - 26	577.82	56.1	R.TFSSCSAVA PK.T	Carbamidomethyl: 5
				334 - 347	581.34	49.7	R.TKEEINELNR VIQR.L	
				154 - 161	585.3	44.9	K.WQFYQNQR. C	
				394 - 403	589.26	63	K.AKQDMACLL K.E	Carbamidomethyl: 7
				394 - 403	597.34	38.8	K.AKQDMACLL K.E	Carbamidomethyl: 7; Oxidation: 5
				383 - 393	600.41	80.9	S.KLAGLEEAL QK.A	
				307 - 316	613.82	54.5	R.AEAESWYRS K.C	
				334 - 343	623.35	61.2	R.TKEEINELNR .V	
				305 - 314	627.83	69.4	R.SRAEAESWY R.S	
				413 - 423	632.41	104.3	K.LGLDIEIATY R.R	
				384 - 395	635.91	73.9	K.LAGLEEALQ KAK.Q	

				296 - 306	641.31	37	K.AQYDDIASR SR.A	
				382 - 393	643.94	102.4	R.SKLAGLEEA LQK.A	
				218 - 229	674.91	84.8	R.ATAENEFVV LKK.D	
				4 - 15	693.33	49.6	R.SYRISPGYS VTR.T	
				396 - 412	696.7	26.6	K.QDMACLLKE YQEVMSK.L	Carbamidomethyl: 5; Deamidated: 1
				108 - 119	700.9	54.2	L.NLEIDPNAQC VK.H	Carbamidomethyl: 10
				284 - 295	703.91	87.7	R.DLNMDCVVA EIK.A	Carbamidomethyl: 6
				284 - 295	704.37	31.9	R.DLNMDCVVA EIK.A	Carbamidomethyl: 6; Deamidated: 3
				284 - 295	711.89	80.7	R.DLNMDCVVA EIK.A	Carbamidomethyl: 6; Oxidation: 4
				348 - 359	716.87	66.3	R.LTAEIENAKC QR.T	Carbamidomethyl: 10
				450 - 464	728.85	75.5	G.GVACGGLTY SSTAGR.Q	Carbamidomethyl: 4
				142 - 153	745.94	62.7	R.FLEQQNKLL ETK.W	
				394 - 412	762.71	77.7	K.AKQDMACLL KEYQEVMSK. L	Carbamidomethyl: 7
				238 - 257	764.42	85.4	R.KSDLEANVE ALVEESNFLKR .L	
				161 - 179	791.04	52.7	Q.RCCESNLEP LFNGYIETLR.R	Carbamidomethyl: 2, 3
				162 - 180	791.07	35.1	R.CCESNLEPL FNGYIETLRR.E	Carbamidomethyl: 1, 2
				258 - 278	800.8	78	R.LYDEEIQLN AHISDTSVIVK. M	
				284 - 304	809.38	61.8	R.DLNMDCVVA EIKAQYDDIAS R.S	Carbamidomethyl: 6
				284 - 304	815.09	52.9	R.DLNMDCVVA EIKAQYDDIAS R.S	Carbamidomethyl: 6; Oxidation: 4; Deamidated: 3
				433 - 448	855.43	123.7	R.LCEGVGSVN VCVSSSR.G	Carbamidomethyl: 2, 11
				142 - 161	881.15	41.9	R.FLEQQNKLL ETKWQFYQNQ R.C	
				239 - 256	1003.98	95.4	K.SDLEANVEA LVEESNFLK.R	
				362 - 381	1028.54	150.7	K.LEAAVAEAE QQGEAALNDA R.S	
				360 - 381	1143.07	168.4	R.TKLEAAVAE AEQQGEAALN DAR.S	
				465 - 488	1191.6	84.1	R.QIASGPVAT GGSITVLAPDS CQPR.A	Carbamidomethyl: 21

				465 - 488	1192.16	84.4	R.QIASGPVAT GGSITVLAPDS CQPR.A	Carbamidomethyl: 21; Deamidated: 1
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