

Supplementary Table 3. Proteins and peptides identified in Urea/thourea extract Fraction 3.

Protein	Accession	Mol Wgt (kDa)	Protein score	Range	m/z meas.	Peptide score	Sequence	Modifications
K86-like	gil312283584	53.2	5486.2	311 - 316	356.72	38.1	R.HGETLR.R	
				34 - 39	378.16	27.1	R.GISCYR.G	Carbamidomethyl: 4
				117 - 123	406.27	47.9	R.FAAFIDK.V	
				40 - 48	426.24	60	R.GLTGGFGSR.S	
				476 - 484	445.74	98.4	R.VGGSILGCK.K	Carbamidomethyl: 8
				272 - 279	451.28	48.4	M.DNIVAEIK.A	
				126 - 132	453.78	42.3	R.FLEQQNK.L	
				397 - 408	473.95	58.5	K.LGLDIEIATYRR.L	
				242 - 248	476.27	49.4	R.LYEEEEIR.V	
				254 - 262	481.28	75.2	H.ISDTSVIVK.M	
				138 - 144	484.74	43.3	K.LQFYQNR.Q	
				138 - 144	485.24	26.5	K.LQFYQNR.Q	Deamidated: 6
				409 - 416	487.25	73.4	R.LLEGEEQR.L	
				332 - 340	487.76	52.8	R.LTAEVENAK.C	
				8 - 21	493.59	28.2	R.AVPAFSCVSACGPR.P	Carbamidomethyl: 7, 11
				126 - 137	497.6	34.2	R.FLEQQNKLLLETK.L	
				380 - 387	497.75	62.4	K.QDMACLK.E	Carbamidomethyl: 5; Oxidation: 3
				214 - 221	506.23	43.4	K.DVDCAYLR.K	Carbamidomethyl: 4
				291 - 298	506.26	48.2	R.AEAESWYR.S	
				11 - 24	507.89	38	P.AFSCVSACGPRPG.R.C	Carbamidomethyl: 4, 8
				320 - 327	508.76	36	K.EEINELNR.V	
				194 - 201	511.78	62.3	R.YEEEEIALR.A	
				280 - 288	524.22	73.7	K.AHYDDIASR.S	
				117 - 125	533.82	69.7	R.FAAFIDKVR.F	
				368 - 377	536.33	87.2	K.LAGLEELQK.A	
				409 - 417	543.82	35.2	R.LLEGEEQRL.C	
				241 - 248	554.31	49.8	R.RLYEEEEIR.V	
				25 - 33	556.23	66.8	R.CCITAAPYR.G	Carbamidomethyl: 1, 2
388 - 396	564.27	39.2	K.EYQEVMSK.L					
408 - 416	565.29	43	R.RLLEGEEQR.L					
331 - 340	565.76	38.9	Q.RLTAEVENAK.C					
213 - 221	570.29	72.5	K.KDVDCAYLR.K	Carbamidomethyl: 5				
378 - 387	589.3	63.3	K.AKQDMACLK.E	Carbamidomethyl: 7				
193 - 201	589.83	64.1	K.RYEEEEIALR.A					
202 - 212	596.84	78.1	R.ATAENEFVALK.K					
8 - 24	596.92	57.1	R.AVPAFSCVSACGPR.PGR.C	Carbamidomethyl: 7, 11				
378 - 387	597.3	64.2	K.AKQDMACLK.E	Carbamidomethyl: 7; Oxidation: 5				
202 - 212	597.33	43.2	R.ATAENEFVALK.K	Deamidated: 5				
165 - 175	597.72	82.3	R.EAECAEADSGR.L	Carbamidomethyl: 4				
367 - 377	600.37	90.3	C.KLAGLEELQK.A					
301 - 310	609.83	44.5	K.CEEIKATVIR.H	Carbamidomethyl: 1				
318 - 327	623.32	74	R.TKEEINELNR.V					
318 - 327	623.8	59.4	R.TKEEINELNR.V	Deamidated: 6				

				289 - 298	627.77	69.5	R.SRAEAESWYR.S	
				397 - 407	632.39	93.5	K.LGLDIEIATYR.R	
				368 - 379	635.82	79.5	K.LAGLEELQKAK.Q	
				192 - 201	653.81	64.4	K.KRYEEEEIALR.A	
				202 - 213	660.81	87.2	R.ATAENEFVALKK.D	
				202 - 213	661.35	74.2	R.ATAENEFVALKK.D	Deamidated: 5
				366 - 377	680.36	75	K.CKLAGLEELQK.A	Carbamidomethyl: 1
				268 - 279	687.87	83.2	R.DLNMDNIVAEIK.A	
				268 - 279	695.85	61.7	R.DLNMDNIVAEIK.A	Oxidation: 4
				175 - 192	698.39	79.4	G.RLSSELNSLQEVLE GYKK.R	
				92 - 103	700.86	51.6	L.NLEIDPNAQCVK.Q	Carbamidomethyl: 10
				317 - 327	701.33	61.2	R.RTKEEINELNR.V	
				174 - 192	717.39	47.9	S.GRLSSELNSLQEVLE EGYKK.R	
				223 - 241	740.41	37.8	K.SDLEANVEALIQETD FLRR.L	
				126 - 137	746.4	39.2	R.FLEQQNKLLET.K	Deamidated: 6
				249 - 262	755.4	85.4	R.VLQAHISDTSVIVK. M	
				249 - 262	755.88	34.2	R.VLQAHISDTSVIVK. M	Deamidated: 3
				145 - 163	772.69	80	R.QCCESNLEPLFSGY IETLR.R	Carbamidomethyl: 2, 3
				133 - 144	776.91	75.6	K.LLETKLQFYQNR.Q	
				222 - 241	783.09	56.7	R.KSDLEANVEALIQET DFLRR.L	
				332 - 345	796.36	74.9	R.LTAEVENAKCQNSK .L	Carbamidomethyl: 10
				144 - 163	824.71	80.1	N.RQCCESNLEPLFSG YIETLR.R	Carbamidomethyl: 3, 4
				145 - 164	824.71	42.1	R.QCCESNLEPLFSGY IETLRR.E	Carbamidomethyl: 2, 3
				417 - 432	847.35	132	R.LCEGVGAVNVCVS SSR.G	Carbamidomethyl: 2, 11
				149 - 163	869.94	84	E.SNLEPLFSGYIETLR .R	
				459 - 475	890.84	94.3	C.SGNVVVGTSDVCS PCSR.V	Carbamidomethyl: 12, 15
				176 - 191	904.98	119.5	R.LSSELNSLQEVLEG YK.K	
				176 - 191	905.44	85.9	R.LSSELNSLQEVLEG YK.K	Deamidated: 6
				176 - 192	968.97	81.4	R.LSSELNSLQEVLEG YKK.R	
				346 - 365	1007.48	153	K.LEAAVTQAEQQGEA ALADAK.C	
				346 - 365	1007.98	68	K.LEAAVTQAEQQGEA ALADAK.C	Deamidated: 7
				8 - 17	1008.44	28.6	R.AVPAFSCVSA.C	Carbamidomethyl: 7
				86 - 103	1013	65.2	E.SLLTPLNLEIDPNAQ CVK.Q	Carbamidomethyl: 16
				223 - 240	1032	130	K.SDLEANVEALIQETD FLR.R	
				223 - 240	1032.47	71.2	K.SDLEANVEALIQETD FLR.R	Deamidated: 6
				222 - 240	1096.02	175.7	R.KSDLEANVEALIQET DFLRR.R	
				145 - 163	1158.98	41	R.QCCESNLEPLFSGY IETLR.R	Carbamidomethyl: 2, 3; Deamidated: 1
K33b	gij999000012	45.9	4284.2	223 - 228	366.18	47.4	R.VLNETR.A	

				135 - 141	404.23	49.7	K.LAADDFR.T	
				322 - 328	408.74	50.9	E.SQLAEIR.S	
				66 - 72	412.23	53.8	R.LASYLEK.V	
				102 - 107	432.19	37.3	N.YQSYFR.T	
				184 - 190	452.75	29.4	K.EELICLK.Q	Carbamidomethyl: 5
				152 - 163	467.59	34.3	R.QLVESDINGLRR.I	Deamidated: 8
				79 - 86	474.23	43.4	R.ENAEESR.I	
				229 - 240	483.91	53.7	R.AQYEALVETNRR.D	
				108 - 115	494.79	59.1	R.TIEELQKQ.I	
				126 - 134	500.34	71.6	R.LVVQIDNAK.L	
				126 - 134	500.82	62.3	R.LVVQIDNAK.L	Deamidated: 7
				338 - 345	503.31	42.2	E.YQVLLDVR.A	
				228 - 240	535.98	28.9	T.RAQYEALVETNRR. D	
				66 - 74	539.83	83.7	R.LASYLEKVR.Q	
				164 - 172	552.84	77.8	R.ILDELTLCK.S	Carbamidomethyl: 8
				241 - 248	555.25	52.5	R.DVEEWYIR.Q	
				348 - 356	562.78	62	R.LESEINTYR.G	
				4 - 12	577.3	48.9	N.FCLPNLSFR.S	Carbamidomethyl: 2
				57 - 65	577.31	60.5	K.ETMQFLNDR.L	
				125 - 134	578.36	40.6	A.RLVVQIDNAK.L	
				57 - 65	585.27	31.9	K.ETMQFLNDR.L	Oxidation: 3
				348 - 357	591.26	61.1	R.LESEINTYRG.L	
				283 - 292	604.27	37.2	E.VELQAQHNL.R.D	
				142 - 151	604.82	59.3	R.TKYQTELGLR.Q	
				142 - 151	605.29	68.2	R.TKYQTELGLR.Q	Deamidated: 4
				173 - 183	609.82	81	K.SDLEAQVESLK.E	
				181 - 190	616.86	49.7	E.SLKEELICLK.Q	Carbamidomethyl: 8
				163 - 172	630.85	45.6	R.RILDELTLCK.S	Carbamidomethyl: 9
				240 - 248	633.32	48.4	R.RDVEEWYIR.Q	
				3 - 12	634.35	39.8	Y.NFCLPNLSFR.S	Carbamidomethyl: 3
				46 - 56	644.76	47.6	W.FCEGSFNGNEK.E	Carbamidomethyl: 2
				46 - 56	645.28	27	W.FCEGSFNGNEK.E	Carbamidomethyl: 2; Deamidated: 7
				229 - 239	647.31	94.8	R.AQYEALVETNR.R	
				229 - 239	647.8	70.7	R.AQYEALVETNR.R	Deamidated: 2
				91 - 101	650.26	46.3	R.SQQQEPLVCPN.Y	Carbamidomethyl: 9
				276 - 292	664.35	44	R.RTVNALEVELQAQH NLR.D	
				282 - 292	668.82	49.1	L.LEVELQAQHNL.R.D	
				346 - 356	676.31	65.3	R.ARLESEINTYR.G	
				294 - 305	682.32	79.3	D.SLENTLTETEAR.Y	
				191 - 201	684.27	65.7	K.QNHEQEVN.TLR.S	
				152 - 163	700.37	42.8	R.QLVESDINGLRR.I	
				151 - 162	700.85	40.1	L.RQLVESDINGLR.R	Deamidated: 9
				228 - 239	725.35	39.9	T.RAQYEALVETNR.R	
				229 - 240	725.86	39	R.AQYEALVETNRR.D	Deamidated: 10
				229 - 240	725.88	26.3	R.AQYEALVETNRR.D	Deamidated: 2
				179 - 190	730.92	73.7	Q.VESLKEELICLK.Q	Carbamidomethyl: 10
				293 - 305	739.84	98.7	R.DSLENTLTETEAR.Y	
				293 - 305	740.3	93.1	R.DSLENTLTETEAR.Y	Deamidated: 5
				173 - 191	744.75	29.8	K.SDLEAQVESLKEELI CLKQ.N	Carbamidomethyl: 16

				334 - 345	752.91	100.2	R.QNQEYQVLLDVR.A	
				334 - 345	753.37	41	R.QNQEYQVLLDVR.A	Deamidated: 3
				1 - 12	759.35	51.5	-.SYNFCLPNLSFR.S	Carbamidomethyl: 5
				280 - 292	760.92	94.7	N.ALEVELQAQHNLR. D	
				208 - 222	813.4	97.7	R.LNVEVDAAPTVDLN R.V	
				201 - 222	813.41	42.6	L.RSQLGDRLNVEVDA APTVDLNR.V	
				208 - 222	813.89	45.9	R.LNVEVDAAPTVDLN R.V	Deamidated: 2
				256 - 276	821.76	62.8	K.QVVSSEQLQSYQ AEIILRR.T	
				256 - 276	822.08	26.9	K.QVVSSEQLQSYQ AEIILRR.T	Deamidated: 1
				306 - 328	888.79	50.6	R.YSCQLSQVQSLIVN VESQLAEIR.S	Carbamidomethyl: 3
				277 - 292	917.98	138.5	R.TVNALEVELQAQHN LR.D	
				277 - 292	918.46	122.2	R.TVNALEVELQAQHN LR.D	Deamidated: 10
				277 - 292	918.48	99.6	R.TVNALEVELQAQHN LR.D	Deamidated: 3
				173 - 190	1052.55	102.5	K.SDLEAQVESLKEELI CLK.Q	Carbamidomethyl: 16
				173 - 190	1053.03	63.9	K.SDLEAQVESLKEELI CLK.Q	Carbamidomethyl: 16; Deamidated: 6
				91 - 107	1072.43	77.8	R.SQQQEPLVCPNYQ SYFR.T	Carbamidomethyl: 9
				91 - 107	1073	45.1	R.SQQQEPLVCPNYQ SYFR.T	Carbamidomethyl: 9; Deamidated: 2
				256 - 275	1154.08	111	K.QVVSSEQLQSYQ AEIILR.R	
K81	gil999000007	55.1	5420.1	311 - 316	356.72	38.1	R.HGETLR.R	
				33 - 38	378.16	27.1	R.GISCYR.G	Carbamidomethyl: 4
				116 - 122	406.27	47.9	R.FAAFIDK.V	
				39 - 47	426.24	60	R.GLTGGFGSR.S	
				272 - 279	451.28	48.4	M.DNIVAEIK.A	
				125 - 131	453.78	42.3	R.FLEQQNK.L	
				397 - 408	473.95	58.5	K.LGLDIEIATYRR.L	
				242 - 248	476.27	49.4	R.LYEEEEIR.V	
				254 - 262	481.28	75.2	H.ISDTSVIVK.M	
				137 - 143	484.74	43.3	K.LQFYQNR.Q	
				137 - 143	485.24	26.5	K.LQFYQNR.Q	Deamidated: 6
				409 - 416	487.25	73.4	R.LLEGQQR.L	Deamidated: 5
				332 - 340	487.76	52.8	R.LTAEVENAK.C	
				125 - 136	497.6	34.2	R.FLEQQNKLLLETK.L	
				380 - 387	497.75	62.4	K.QDMACLLK.E	Carbamidomethyl: 5; Oxidation: 3
				194 - 201	504.79	49.6	R.YEEVALR.A	
				214 - 221	506.23	43.4	K.DVDCAYLK.K	Carbamidomethyl: 4
				291 - 298	506.26	48.2	R.AEAESWYR.S	
				10 - 23	507.89	38	R.AFSCVSACGPRPG R.C	Carbamidomethyl: 4, 8
				320 - 327	508.76	36	K.EEINELNR.V	
				280 - 288	519.76	74.3	K.AQYDDIASR.S	
				116 - 124	533.82	69.7	R.FAAFIDKVR.F	
				368 - 377	536.33	87.2	K.LAGLEEALQK.A	
				409 - 417	543.82	35.2	R.LLEGQEQLR.C	Deamidated: 5

				241 - 248	554.31	49.8	R.RLYEEEEIR.V	
				24 - 32	556.23	66.8	R.CCITAAPYR.G	Carbamidomethyl: 1, 2
				388 - 396	564.27	39.2	K.EYQEVMSK.L	
				408 - 416	565.29	43	R.RLEGGQEQR.L	Deamidated: 6
				331 - 340	565.76	38.9	Q.RLTAEVENAK.C	
				213 - 221	570.29	72.5	K.KDVDCAYLR.K	Carbamidomethyl: 5
				193 - 201	582.79	61.6	R.RYEEVEALR.A	
				378 - 387	589.3	63.3	K.AKQDMACLK.E	Carbamidomethyl: 7
				202 - 212	596.84	78.1	R.ATAENEFVALK.K	
				378 - 387	597.3	64.2	K.AKQDMACLK.E	Carbamidomethyl: 7; Oxidation: 5
				202 - 212	597.33	43.2	R.ATAENEFVALK.K	Deamidated: 5
				164 - 174	597.72	82.3	R.EAECADSGR.L	Carbamidomethyl: 4
				367 - 377	600.37	90.3	R.KLAGLEEALQK.A	
				10 - 20	606.24	73.6	R.AFSCVSACGPR.P	Carbamidomethyl: 4, 8
				301 - 310	609.83	44.5	K.CEEIKATVIR.H	Carbamidomethyl: 1
				193 - 202	618.3	25.4	R.RYEEVEALRA.T	
				318 - 327	623.32	74	R.TKEEINELNR.V	
				318 - 327	623.8	59.4	R.TKEEINELNR.V	Deamidated: 6
				289 - 298	627.77	69.5	R.SRAEESWYR.S	
				397 - 407	632.39	93.5	K.LGLDIEIATYR.R	
				368 - 379	635.82	79.5	K.LAGLEEALQKAK.Q	
				202 - 213	660.81	87.2	R.ATAENEFVALKK.D	
				202 - 213	661.35	74.2	R.ATAENEFVALKK.D	Deamidated: 5
				268 - 279	687.87	83.2	R.DLNMDNIVAEIK.A	
				268 - 279	695.85	61.7	R.DLNMDNIVAEIK.A	Oxidation: 4
				174 - 191	698.39	79.4	G.RLSSELNSLQEVLE GYKK.R	
				91 - 102	700.86	51.6	L.NLEIDPNAQCVK.Q	Carbamidomethyl: 10
				317 - 327	701.33	61.2	R.RTKEEINELNR.V	
				433 - 446	711.76	100.3	R.GGVVCGDLCVSGS R.P	Carbamidomethyl: 5, 9
				173 - 191	717.39	47.9	S.GRLSSELNSLQEVLE EGYKK.R	
				346 - 366	724.05	60.3	K.LEAAVTQAEQQGEA ALADAKR.K	
				223 - 241	740.41	37.8	K.SDLEANVEALIQETD FLRR.L	
				125 - 136	746.4	39.2	R.FLEQQNKLLK.L	Deamidated: 6
				249 - 262	755.4	85.4	R.VLQAHISDTSVIVK. M	
				249 - 262	755.88	34.2	R.VLQAHISDTSVIVK. M	Deamidated: 3
				144 - 162	772.69	80	R.QCCESNLEPLFSGY IETLR.R	Carbamidomethyl: 2, 3
				132 - 143	776.91	75.6	K.LLETKLQFYQNR.Q	
				222 - 241	783.09	56.7	R.KSDLEANVEALIQET DFLRR.L	
				332 - 345	796.36	74.9	R.LTAEVENAKCQNSK .L	Carbamidomethyl: 10
				143 - 162	824.71	80.1	N.RQCCESNLEPLFSG YIETLR.R	Carbamidomethyl: 3, 4
				144 - 163	824.71	42.1	R.QCCESNLEPLFSGY IETLRR.E	Carbamidomethyl: 2, 3
				417 - 432	855.36	131.9	R.LCEGVGSVNVCVS SSR.G	Carbamidomethyl: 2, 11

				417 - 432	855.89	30.3	R.LCEGVGSVNVCVS SSR.G	Carbamidomethyl: 2, 11; Deamidated: 9
				148 - 162	869.94	84	E.SNLEPLFSGYIETLR .R	
				175 - 190	904.98	119.5	R.LSSELNSLQEVLEG YK.K	
				175 - 190	905.44	85.9	R.LSSELNSLQEVLEG YK.K	Deamidated: 6
				175 - 191	968.97	81.4	R.LSSELNSLQEVLEG YKK.R	
				346 - 365	1007.48	153	K.LEAAVTQAEQQGEA ALADAK.R	
				346 - 365	1007.98	68	K.LEAAVTQAEQQGEA ALADAK.R	Deamidated: 7
				85 - 102	1013	65.2	E.SLLTPLNLEIDPNAQ CVK.Q	Carbamidomethyl: 16
				223 - 240	1032	130	K.SDLEANVEALIQETD FLR.R	
				223 - 240	1032.47	71.2	K.SDLEANVEALIQETD FLR.R	Deamidated: 6
				346 - 366	1086	63.9	K.LEAAVTQAEQQGEA ALADAKR.K	Deamidated: 7
				222 - 240	1096.02	175.7	R.KSDLEANVEALIQET DFLR.R	
				144 - 162	1158.98	41	R.QCCESNLEPLFSGY IETLR.R	Carbamidomethyl: 2, 3; Deamidated: 1
K86	gil999000010	54.8	5435.2	327 - 332	356.72	38.1	R.HGETLR.R	
				133 - 139	406.27	47.9	R.FAAFIDK.V	
				492 - 500	445.74	98.4	R.VGGSILGCK.K	Carbamidomethyl: 8
				288 - 295	451.28	48.4	M.DNIVAEIK.A	
				142 - 148	453.78	42.3	R.FLEQQNK.L	
				413 - 424	473.95	58.5	K.LGLDIEIATYRR.L	
				258 - 264	476.27	49.4	R.LYEEEEIR.V	
				270 - 278	481.28	75.2	H.ISDTSVIVK.M	
				154 - 160	484.74	43.3	K.LQFYQNR.Q	
				154 - 160	485.24	26.5	K.LQFYQNR.Q	Deamidated: 6
				425 - 432	487.25	73.4	R.LLEGEEQR.L	
				348 - 356	487.76	52.8	R.LTAEVENAK.C	
				7 - 15	490.28	27.1	R.ISPGYSVTR.T	
				142 - 153	497.6	34.2	R.FLEQQNKLLETK.L	
				396 - 403	497.75	62.4	K.QDMACLK.E	Carbamidomethyl: 5; Oxidation: 3
				210 - 217	504.79	49.6	R.YEEVALR.A	
				230 - 237	506.23	43.4	K.DVDCAYLR.K	Carbamidomethyl: 4
				307 - 314	506.26	48.2	R.AEAESWYR.S	
				336 - 343	508.76	36	K.EEINELNR.V	
				296 - 304	524.22	73.7	K.AHYDDIASR.S	
				133 - 141	533.82	69.7	R.FAAFIDKVR.F	
				384 - 393	536.33	87.2	K.LAGLEEALQK.A	
				425 - 433	543.82	35.2	R.LLEGEEQRL.C	
				54 - 64	545.76	82.3	R.SVSALGSCGPR.I	Carbamidomethyl: 8
				31 - 39	549.21	51.7	R.CCISAAPYR.G	Carbamidomethyl: 1, 2
				257 - 264	554.31	49.8	R.RLYEEEEIR.V	
				404 - 412	564.27	39.2	K.EYQEVMSK.L	
				424 - 432	565.29	43	R.RLEGEEQR.L	
				347 - 356	565.76	38.9	Q.RLTAEVENAK.C	

				229 - 237	570.29	72.5	K.KDVDCAYLR.K	Carbamidomethyl: 5
				16 - 26	577.74	60.7	R.TFSSCSAVAPK.T	Carbamidomethyl: 5
				209 - 217	582.79	61.6	K.RYEEEEVALR.A	
				394 - 403	589.3	63.3	K.AKQDMACLLK.E	Carbamidomethyl: 7
				218 - 228	596.84	78.1	R.ATAENEFVALK.K	
				394 - 403	597.3	64.2	K.AKQDMACLLK.E	Carbamidomethyl: 7; Oxidation: 5
				218 - 228	597.33	43.2	R.ATAENEFVALK.K	Deamidated: 5
				181 - 191	597.72	82.3	R.EAECAEADSGR.L	Carbamidomethyl: 4
				383 - 393	600.37	90.3	C.KLAGLEELQK.A	
				317 - 326	609.83	44.5	K.CEEIKATVIR.H	Carbamidomethyl: 1
				209 - 218	618.3	25.4	K.RYEEEEVALR.A	
				334 - 343	623.32	74	R.TKEEINELNR.V	
				334 - 343	623.8	59.4	R.TKEEINELNR.V	Deamidated: 6
				305 - 314	627.77	69.5	R.SRAEAESWYR.S	
				413 - 423	632.39	93.5	K.LGLDIEIATYR.R	
				384 - 395	635.82	79.5	K.LAGLEELQKAK.Q	
				208 - 217	646.81	51.9	K.KRYEEEEVALR.A	
				218 - 229	660.81	87.2	R.ATAENEFVALKK.D	
				218 - 229	661.35	74.2	R.ATAENEFVALKK.D	Deamidated: 5
				382 - 393	680.36	75	K.CKLAGLEELQK.A	Carbamidomethyl: 1
				284 - 295	687.87	83.2	R.DLNMDNIVAEIK.A	
				284 - 295	695.85	61.7	R.DLNMDNIVAEIK.A	Oxidation: 4
				191 - 208	698.39	79.4	G.RLSSELNSLQEVLE GYKK.R	
				108 - 119	700.86	51.6	L.NLEIDPNAQCVK.Q	Carbamidomethyl: 10
				333 - 343	701.33	61.2	R.RTKEEINELNR.V	
				190 - 208	717.39	47.9	S.GRLSSELNSLQEVLE EGYKK.R	
				239 - 257	740.41	37.8	K.SDLEANVEALIQETD FLRR.L	
				142 - 153	746.4	39.2	R.FLEQQNKLLET.K	Deamidated: 6
				265 - 278	755.4	85.4	R.VLQAHISDTSVIVK. M	
				265 - 278	755.88	34.2	R.VLQAHISDTSVIVK. M	Deamidated: 3
				161 - 179	772.69	80	R.QCCESNLEPLFSGY IETLR.R	Carbamidomethyl: 2, 3
				149 - 160	776.91	75.6	K.LLETKLQFYQNR.Q	
				238 - 257	783.09	56.7	R.KSDLEANVEALIQET DFLRR.L	
				348 - 361	796.36	74.9	R.LTAEVENAKCQNSK .L	Carbamidomethyl: 10
				161 - 180	824.71	42.1	R.QCCESNLEPLFSGY IETLRR.E	Carbamidomethyl: 2, 3
				160 - 179	824.71	80.1	N.RQCCESNLEPLFSG YIETLR.R	Carbamidomethyl: 3, 4
				433 - 448	847.35	132	R.LCEGVGAVNVCVS SSR.G	Carbamidomethyl: 2, 11
				165 - 179	869.94	84	E.SNLEPLFSGYIETLR .R	
				475 - 491	890.84	94.3	C.SGNVVVGTSDVCS PCSR.V	Carbamidomethyl: 12, 15
				192 - 207	904.98	119.5	R.LSSELNSLQEVLEG YK.K	
				192 - 207	905.44	85.9	R.LSSELNSLQEVLEG YK.K	Deamidated: 6
				192 - 208	968.97	81.4	R.LSSELNSLQEVLEG	

							YKK.R	
				362 - 381	1007.48	153	K.LEAAVTQAEQQGEA ALADAK.C	
				362 - 381	1007.98	68	K.LEAAVTQAEQQGEA ALADAK.C	Deamidated: 7
				102 - 119	1013	65.2	E.SLLTPLNLEIDPNAQ CVK.Q	Carbamidomethyl: 16
				239 - 256	1032	130	K.SDLEANVEALIQETD FLR.R	
				239 - 256	1032.47	71.2	K.SDLEANVEALIQETD FLR.R	Deamidated: 6
				238 - 256	1096.02	175.7	R.KSDLEANVEALIQET DFLR.R	
				161 - 179	1158.98	41	R.QCCESNLEPLFSGY IETLR.R	Carbamidomethyl: 2, 3; Deamidated: 1
KAP10- like Partial	gij999000052	46.4	410	307 - 315	551.77	44.1	R.TFYIPSSCK.Q	Carbamidomethyl: 8
				330 - 339	582.3	57.6	R.PICSGPITYR.Q	Carbamidomethyl: 3
				277 - 286	604.79	50.1	R.SISCEPLSCR.P	Carbamidomethyl: 4, 9
				340 - 349	614.31	34.2	R.QPYLTSISYR.P	
				264 - 273	626.29	41.4	R.PCQPTCYVVK.R	Carbamidomethyl: 2, 6
				206 - 216	666.33	56	R.VSLVCEPICVR.P	Carbamidomethyl: 5, 9
				350 - 361	771.86	32.3	R.PACYRPFYSILR.R	Carbamidomethyl: 3
				133 - 146	847.88	77.6	R.VFCVPSSCQPILCK. P	Carbamidomethyl: 3, 8, 13
KAP11. 1	gij999000018	16.7	124	145 - 155	688.24	78.5	R.TYQQSCVSSCR.R	Carbamidomethyl: 6, 10
				121 - 144	851.06	25.3	R.SISTVCQPVGGVSTI CQPTCGVSR.T	Carbamidomethyl: 6, 16, 20; Deamidated: 7
KAP13. 1	gij999000030	17.4	387.5	136 - 144	576.33	45	R.SSFYRPTFF.S	
				63 - 79	676.63	38.4	R.TQTVSSPCQTSCY RPR.T	Carbamidomethyl: 9, 13; Deamidated: 10
				136 - 147	741.38	29.8	R.SSFYRPTFFSSR.S	
				148 - 163	861.87	69.8	R.SGQSLSFQPTCGS GFY.-	Carbamidomethyl: 11
				148 - 163	862.33	36.4	R.SGQSLSFQPTCGS GFY.-	Carbamidomethyl: 11; Deamidated: 3
				20 - 36	934.38	108.1	R.YSGSSCGSSFPSNL VYR.T	Carbamidomethyl: 6
KAP15. 1	gij999000032	14.6	180	68 - 82	958.41	105.1	R.FFQTSCSHPNFIF R.S	Carbamidomethyl: 6
				68 - 82	958.96	74.8	R.FFQTSCSHPNFIF R.S	Carbamidomethyl: 6; Deamidated: 3
KAP16. 2	gij999000035	6.7	201.5	1 - 19	1063.96	119.6	-.SYYYGNYYGGLGYG LGGFR.G	
				1 - 19	1064.53	58.9	-.SYYYGNYYGGLGYG LGGFR.G	Deamidated: 6
KAP19. 3	gij999000016	7.6	692.4	59 - 65	405.64	39.9	R.CPSSFGR.Y	Carbamidomethyl: 1
				25 - 32	450.62	33	R.GCGCGSFR.R	Carbamidomethyl: 2, 4
				13 - 24	572.81	62.8	Y.GYGGFGGLGFR. G	
				9 - 24	767.88	96.7	S.GLGYGYGGFGGLG FGR.G	

				2 - 24	817.03	41.6	C.HYSNYYSGGLGYGY GGFGGLGFGR.G	
				34 - 58	858.02	36.8	R.LGFSTGFGGYGCG SGFGSFGYGYNR.C	Carbamidomethyl: 12
				1 - 24	870.34	80.9	-. CHYSNYYSGGLGYGY GGFGGLGFGR.G	Carbamidomethyl: 1
				1 - 24	870.67	46.4	-. CHYSNYYSGGLGYGY GGFGGLGFGR.G	Carbamidomethyl: 1; Deamidated: 5
				1 - 25	889.36	43.8	-. CHYSNYYSGGLGYGY GGFGGLGFGRG.C	Carbamidomethyl: 1
				1 - 25	889.71	25.1	-. CHYSNYYSGGLGYGY GGFGGLGFGRG.C	Carbamidomethyl: 1; Deamidated: 5
				33 - 58	910.38	38.4	R.RLGFSTGFGGYGC GSGFGSFGYGYNR.C	Carbamidomethyl: 13; Deamidated: 25
				6 - 24	974.4	130.8	N.YYSGLGYGYGGFG GLGFGR.G	
KAP19. 5	gij999000015	7.7	413.9	34 - 41	427.17	52.4	R.LGCGSGFR.G	Carbamidomethyl: 3
				25 - 32	450.62	33	R.GCGCSFR.R	Carbamidomethyl: 2, 4
				65 - 72	512.24	27.5	R.RCGFSSFY.-	Carbamidomethyl: 2
				13 - 24	572.81	62.8	Y.GYGGFGGLGFGR. G	
				9 - 24	767.88	96.7	R.GLYGYGGFGGLG FGR.G	
				42 - 64	876.66	78.2	R.GYGCDSGFGSFGS GCCHRPLFFR.R	Carbamidomethyl: 4, 15, 16
KAP2.3 var2	gij999000041	14	269.9	42 - 48	408.25	47.4	R.PVTFVPR.C	
				49 - 58	450.18	33.9	R.CTRPICEPCR.R	Carbamidomethyl: 1, 6, 9
				52 - 58	466.17	25.5	R.PICEPCR.R	Carbamidomethyl: 3, 6
				32 - 48	620.01	41.7	R.PVSSQTTVSRPVT VPR.C	
				59 - 74	685.23	73.9	R.RPVCCDPCSLQEG CCR.P	Carbamidomethyl: 4, 5, 8, 14, 15
KAP6.1	gij999000021	8.3	394.4	35 - 49	561.56	47.6	R.RLGCGYGCYGYG SR.S	Carbamidomethyl: 4, 8
				50 - 61	632.24	83.7	R.SLCGSGYGYGSR.S	Carbamidomethyl: 3
				36 - 49	763.77	82.4	R.LGCGYGCYGYGS R.S	Carbamidomethyl: 3, 7
				21 - 34	770.79	78.6	G.LGCGYGSCYGSF R.R	Carbamidomethyl: 3, 8
				20 - 34	799.29	102.1	G.GLGCYGSCYGSF FR.R	Carbamidomethyl: 4, 9
KAP6.3	gij999000020	8.3	430.3	35 - 49	561.56	47.6	R.RLGCGYGCYGYG SR.S	Carbamidomethyl: 4, 8
				50 - 61	630.72	64.4	R.SLCGSGYGCGR.P	Carbamidomethyl: 3, 9
				36 - 49	763.77	82.4	R.LGCGYGCYGYGS R.S	Carbamidomethyl: 3, 7
				21 - 34	770.79	78.6	G.LGCGYGSCYGSF R.R	Carbamidomethyl: 3, 8
				20 - 34	799.29	102.1	G.GLGCYGSCYGSF FR.R	Carbamidomethyl: 4, 9
				50 - 65	845.81	55.1	R.SLCGSGYGCGRP LYG.C	Carbamidomethyl: 3, 9
KAP9.2 -like	gij999000057	20.6	276.7	127 - 139	535.85	25.3	C.CQPASCAPVYCHR. I	Carbamidomethyl: 1, 6, 11
				140 - 147	555.72	43.2	R.ICYHPTCC.C	Carbamidomethyl:

								2, 7, 8
				168 - 177	671.23	72.6	R.PVCCQTTCCR.T	Carbamidomethyl: 3, 4, 8, 9
				16 - 30	930.27	80	R.TTCESSGCQPCC PR.T	Carbamidomethyl: 3, 4, 9, 12, 13
KAP9.8	gij999000074	17.8	212.1	103 - 115	535.85	25.3	C.CQPASCAPVYCHR. T	Carbamidomethyl: 1, 6, 11
				25 - 34	641.71	72.6	R.PISCQTTCCR.T	Carbamidomethyl: 4, 8, 9
				144 - 153	671.23	72.6	C.PVCCQTTCCR.T	Carbamidomethyl: 3, 4, 8, 9
				116 - 127	763.24	41.6	R.TCYHPTCCCLPG.C	Carbamidomethyl: 2, 7, 8, 9
KAP4.9	gij999000125	17.2	247.6	36 - 48	767.76	52.9	R.TTCYRPSCGVSSC. C	Carbamidomethyl: 3, 8, 13
				96 - 108	854.78	87.5	R.CCQPVCCQPSCPR. I	Carbamidomethyl: 1, 2, 6, 7, 11
				1 - 16	903.28	83.3	- .VSSCCGSVCSDQSC GR.S	Carbamidomethyl: 4, 5, 9, 14
K10	gij999000082	56.3	367.8	211 - 217	404.23	49.7	R.LAADDFR.M	
				210 - 217	482.28	28.2	A.RLAADDFR.M	
				240 - 248	516.28	67.1	R.VLDELTLTK.T	
				369 - 381	695.8	81.7	K.QSLEASLAETEGR.Y	
				422 - 432	717.83	69.2	K.IRLENEIQTYR.S	
K31	gij164652864	46.8	4637.4	224 - 229	366.18	47.4	R.VLNETR.A	
				136 - 142	404.23	49.7	K.LAADDFR.T	
				323 - 329	408.74	50.9	E.SQLAEIR.G	
				67 - 73	412.23	53.8	R.LASYLEK.V	
				103 - 108	432.19	37.3	N.YQSYFR.T	
				192 - 202	443.21	31.8	K.SNHEEEVNTLR.S	
				185 - 191	452.75	29.4	K.EELICK.S	Carbamidomethyl: 5
				153 - 164	467.59	34.3	R.QLVESDINGLRR.I	Deamidated: 8
				80 - 87	474.23	43.4	R.ENAELESR.I	
				230 - 241	483.91	53.7	R.AQYEALVETNRR.D	
				109 - 116	494.79	59.1	R.TIEELQK.I	
				127 - 135	500.34	71.6	R.LVVQIDNAK.L	
				127 - 135	500.82	62.3	R.LVVQIDNAK.L	Deamidated: 7
				339 - 346	503.31	42.2	E.YQVLLDVR.A	
				358 - 366	518.77	32.2	R.GLLDSEDCK.L	Carbamidomethyl: 8
				229 - 241	535.98	28.9	T.RAQYEALVETNRR. D	
				67 - 75	539.83	83.7	R.LASYLEKVR.Q	
				1 - 13	545.25	28.3	-MSFNFLPNLSFR.S	Carbamidomethyl: 6; Deamidated: 4
				165 - 173	552.84	77.8	R.ILDELTLCK.S	Carbamidomethyl: 8
				242 - 249	555.25	52.5	R.DVEEWYIR.Q	
				405 - 413	556.74	73.2	R.CGPCNSYVR.-	Carbamidomethyl: 1, 4
				405 - 413	557.24	63.7	R.CGPCNSYVR.-	Carbamidomethyl: 1, 4; Deamidated: 5
				5 - 13	577.3	48.9	N.FCLPNLSFR.S	Carbamidomethyl: 2
				58 - 66	577.31	60.5	K.ETMQFLNDR.L	
				126 - 135	578.36	40.6	A.RLVVQIDNAK.L	
				58 - 66	585.27	31.9	K.ETMQFLNDR.L	Oxidation: 3
				349 - 357	599.27	61.8	R.LECEINTYR.G	Carbamidomethyl: 3
				284 - 293	604.27	37.2	E.VELQAQHNL.R.D	
				143 - 152	605.29	68.2	R.TKYETELGLR.Q	

				174 - 184	609.82	81	K.SDLEAQVESLK.E	
				182 - 191	616.86	49.7	E.SLKEELICLK.S	Carbamidomethyl: 8
				164 - 173	630.85	45.6	R.RILDELTLCK.S	Carbamidomethyl: 9
				241 - 249	633.32	48.4	R.RDVEEWYIR.Q	
				4 - 13	634.35	39.8	F.NFCLPNLSFR.S	Carbamidomethyl: 3
				47 - 57	644.76	47.6	W.FCEGSFNGNEK.E	Carbamidomethyl: 2
				47 - 57	645.28	27	W.FCEGSFNGNEK.E	Carbamidomethyl: 2; Deamidated: 7
				230 - 240	647.31	94.8	R.AQYEALVETNR.R	
				230 - 240	647.8	70.7	R.AQYEALVETNR.R	Deamidated: 2
				92 - 102	650.26	46.3	R.SQQQEPLVCPN.Y	Carbamidomethyl: 9
				277 - 293	664.35	44	R.RTVNALEVELQAQH NLR.D	
				283 - 293	668.82	49.1	L.EVELQAQHNLR.D	
				295 - 306	682.32	79.3	D.SLENTLTETEAR.Y	
				153 - 164	700.37	42.8	R.QLVESDINGLRR.I	
				152 - 163	700.85	40.1	L.RQLVESDINGLR.R	Deamidated: 9
				347 - 357	712.8	76.9	R.ARLECEINTYR.G	Carbamidomethyl: 5
				229 - 240	725.35	39.9	T.RAQYEALVETNR.R	
				230 - 241	725.86	39	R.AQYEALVETNRR.D	Deamidated: 10
				230 - 241	725.88	26.3	R.AQYEALVETNRR.D	Deamidated: 2
				180 - 191	730.92	73.7	Q.VESLKEELICLK.S	Carbamidomethyl: 10
				294 - 306	739.84	98.7	R.DSLENTLTETEAR.Y	
				294 - 306	740.3	93.1	R.DSLENTLTETEAR.Y	Deamidated: 5
				2 - 13	751.36	66.1	M.SFNFCLPNLSFR.S	Carbamidomethyl: 5
				2 - 13	751.85	36.7	M.SFNFCLPNLSFR.S	Carbamidomethyl: 5; Deamidated: 3
				335 - 346	752.91	100.2	R.QNQEQVLLDVR.A	
				335 - 346	753.37	41	R.QNQEQVLLDVR.A	Deamidated: 3
				281 - 293	760.92	94.7	N.ALEVELQAQHNLR. D	
				367 - 380	782.29	85.9	K.LPCNPCATTNACGK .T	Carbamidomethyl: 3, 6, 12
				109 - 121	787.41	71	R.TIEELQKILCAK.S	Carbamidomethyl: 11
				381 - 402	805.04	62.9	K.TITPCISSPCAPAAP CTPCVPR.S	Carbamidomethyl: 5, 10, 16, 19
				209 - 223	813.4	97.7	R.LNVEVDAAPTVDLN R.V	
				202 - 223	813.41	42.6	L.RSQLGDRLNVEVDA APTVDLNR.V	
				209 - 223	813.89	45.9	R.LNVEVDAAPTVDLN R.V	Deamidated: 2
				257 - 277	830.74	34.1	K.QVVSSEQLQSCQ TEIILRR.T	Carbamidomethyl: 12
				358 - 380	861	104.2	R.GLLDSEDCKLPCNP CATTNACGK.T	Carbamidomethyl: 8, 12, 15, 21
				307 - 329	893.76	46.5	R.YSCQLNQVQSLISN VESQLAEIR.G	Carbamidomethyl: 3
				278 - 293	917.98	138.5	R.TVNALEVELQAQHN LR.D	
				278 - 293	918.46	122.2	R.TVNALEVELQAQHN LR.D	Deamidated: 10
				278 - 293	918.48	99.6	R.TVNALEVELQAQHN LR.D	Deamidated: 3
				386 - 402	920.86	60.6	C.ISSPCAPAAPCTPC VPR.S	Carbamidomethyl: 5, 11, 14
				174 - 191	1052.55	102.5	K.SDLEAQVESLKEELI CLK.S	Carbamidomethyl: 16

				174 - 191	1053.03	63.9	K.SDLEAQVESLKEELI CLK.S	Carbamidomethyl: 16; Deamidated: 6
				92 - 108	1072.43	77.8	R.SQQQEPLVCPNYQ SYFR.T	Carbamidomethyl: 9
				92 - 108	1073	45.1	R.SQQQEPLVCPNYQ SYFR.T	Carbamidomethyl: 9; Deamidated: 2
K34	gil309323371	46.6	3850.2	240 - 245	366.18	47.4	R.VLNETR.A	
				339 - 345	408.74	50.9	E.SQLAEIR.S	
				152 - 158	412.22	50.5	K.LASDDFR.T	
				83 - 89	412.23	53.8	R.LASYLEK.V	
				119 - 124	432.19	37.3	N.YQSYFR.T	
				208 - 218	442.9	34.8	K.KNHEEEANSLR.S	
				201 - 207	452.75	29.4	K.EELLCLK.K	Carbamidomethyl: 5
				198 - 208	454.29	27.6	E.SLKEELLCLK.K.N	Carbamidomethyl: 8
				96 - 103	474.23	43.4	R.ENAEESR.I	
				246 - 257	483.91	53.7	R.AQYEALVETNRR.D	
				125 - 132	494.79	59.1	R.TIEELQQK.I	
				143 - 151	507.32	67.1	R.LVIQIDNAK.L	
				245 - 257	535.98	28.9	T.RAQYEALVETNRR. D	
				83 - 91	539.83	83.7	R.LASYLEKVR.Q	
				181 - 189	552.84	77.8	R.ILDELTLCK.S	Carbamidomethyl: 8
				258 - 265	555.25	52.5	R.DVEEWYIR.Q	
				365 - 373	562.78	62	R.LESEINTYR.G	
				74 - 82	577.31	60.5	K.ETMQFLNDR.L	
				74 - 82	585.27	31.9	K.ETMQFLNDR.L	Oxidation: 3
				365 - 374	591.26	61.1	R.LESEINTYRG.L	
				209 - 218	599.76	39.1	K.NHEEEANSLR.S	
				300 - 309	604.27	37.2	E.VELQAQHNL.R.D	
				190 - 200	609.82	81	K.SDLEAQVESLK.E	
				198 - 207	616.86	49.7	E.SLKEELLCLK.K	Carbamidomethyl: 8
				180 - 189	630.85	45.6	R.RILDELTLCK.S	Carbamidomethyl: 9
				257 - 265	633.32	48.4	R.RDVEEWYIR.Q	
				63 - 73	644.76	47.6	W.FCEGSFNGNEK.E	Carbamidomethyl: 2
				63 - 73	645.28	27	W.FCEGSFNGNEK.E	Carbamidomethyl: 2; Deamidated: 7
				246 - 256	647.31	94.8	R.AQYEALVETNR.R	
				246 - 256	647.8	70.7	R.AQYEALVETNR.R	Deamidated: 2
				293 - 309	664.35	44	R.RTVNALEVELQAQH NLR.D	
				299 - 309	668.82	49.1	L.EVELQAQHNL.R.D	
				363 - 373	676.31	65.3	K.ARLESEINTYR.G	
				311 - 322	682.32	79.3	D.SLENTLTETEAR.Y	
				245 - 256	725.35	39.9	T.RAQYEALVETNR.R	
				246 - 257	725.86	39	R.AQYEALVETNRR.D	Deamidated: 10
				246 - 257	725.88	26.3	R.AQYEALVETNRR.D	Deamidated: 2
				196 - 207	730.92	73.7	Q.VESLKEELLCLK.K	Carbamidomethyl: 10
				351 - 362	738.93	31.1	R.QNQEYQVLLDVK.A	
				310 - 322	739.84	98.7	R.DSLENTLTETEAR.Y	
				310 - 322	740.3	93.1	R.DSLENTLTETEAR.Y	Deamidated: 5
				190 - 208	744.77	40.3	K.SDLEAQVESLKEEL LCLK.K.N	Carbamidomethyl: 16
				297 - 309	760.92	94.7	N.ALEVELQAQHNL.R. D	
				125 - 137	787.41	71	R.TIEELQQKILCAK.S	Carbamidomethyl:

								11
				225 - 239	813.4	97.7	R.LNVEVDAAPTVDLN R.V	
				218 - 239	813.41	42.6	L.RSQLGDRLNVEVDA APTVDLNR.V	
				225 - 239	813.89	45.9	R.LNVEVDAAPTVDLN R.V	Deamidated: 2
				273 - 293	821.76	62.8	K.QVVSSEQLQSYQ AEIILRR.T	
				273 - 293	822.08	26.9	K.QVVSSEQLQSYQ AEIILRR.T	Deamidated: 1
				294 - 309	917.98	138.5	R.TVNALEVELQAQHN LR.D	
				294 - 309	918.46	122.2	R.TVNALEVELQAQHN LR.D	Deamidated: 10
				294 - 309	918.48	99.6	R.TVNALEVELQAQHN LR.D	Deamidated: 3
				374 - 399	947.72	70.6	R.GLLDSEDSKLPSPNP CATTNASSNFCR.S	Carbamidomethyl: 15, 25
				374 - 399	948.42	38	R.GLLDSEDSKLPSPNP CATTNASSNFCR.S	Carbamidomethyl: 15, 25; Deamidated: 13, 19
				383 - 399	948.88	127.4	K.LPSNPCATTNASSN FCR.S	Carbamidomethyl: 6, 16
				190 - 207	1052.55	102.5	K.SDLEAQVESLKEEL LCLK.K	Carbamidomethyl: 16
				190 - 207	1053.03	63.9	K.SDLEAQVESLKEEL LCLK.K	Carbamidomethyl: 16; Deamidated: 6
				108 - 124	1079.47	98.3	R.SQQQEPLLCPNYQ SYFR.T	Carbamidomethyl: 9
				273 - 292	1154.08	111	K.QVVSSEQLQSYQ AEIILR.R	
K75	gij999000081	58.8	459.2	155 - 161	414.23	46.7	K.FASFIDK.V	
				164 - 170	453.78	42.3	R.FLEQQNK.V	
				242 - 252	596.84	78.1	R.TAAENEFVALK.N	
				242 - 252	597.33	43.2	R.TAAENEFVALK.N	Deamidated: 5
				308 - 319	651.9	76.2	R.SLDLDSIIAEVK.A	
				385 - 396	665.32	36.1	A.NLQTAIAADAEQR.G	
K83	gij312283588	53.9	5520	316 - 321	356.72	38.1	R.HGETLR.R	
				39 - 44	378.16	27.1	R.GISCYR.G	Carbamidomethyl: 4
				122 - 128	406.27	47.9	R.FAAFIDK.V	
				45 - 53	426.24	60	R.GLTGGFGSR.S	
				187 - 197	443.94	28.1	N.HVQEVLEGYKK.K	
				131 - 137	453.78	42.3	R.FLEQQNK.L	
				402 - 413	473.95	58.5	K.LGLDIEIATYRR.L	
				247 - 253	476.27	49.4	R.LYEEEEIR.V	
				143 - 149	476.77	39.3	K.LQFFQNR.Q	
				143 - 149	477.26	45	K.LQFFQNR.Q	Deamidated: 6
				143 - 149	477.26	52.7	K.LQFFQNR.Q	Deamidated: 2
				6 - 15	477.7	32.1	F.STVGSFGSR.A	
				259 - 267	481.28	75.2	N.ISDTSVIVK.M	
				414 - 421	487.25	73.4	R.LLEGEEQR.L	
				337 - 345	487.76	52.8	R.LTAEVENAK.C	
				131 - 142	497.6	34.2	R.FLEQQNKLLETK.L	
				385 - 392	497.75	62.4	K.QDMACLK.E	Carbamidomethyl: 5; Oxidation: 3
				219 - 226	499.22	55.4	K.DVDCAYVR.K	Carbamidomethyl: 4
				199 - 206	504.79	49.6	K.YEEEEVALR.A	
				296 - 303	506.26	48.2	R.AEASWYR.S	

				16 - 29	507.89	38	R.AFSCVSACGPRPG R.C	Carbamidomethyl: 4, 8
				325 - 332	508.76	36	K.EEINELNR.V	
				285 - 293	519.76	74.3	K.AQYDDIASR.S	
				122 - 130	533.82	69.7	R.FAAFIDKVR.F	
				373 - 382	536.33	87.2	K.LAGLEELQK.A	
				414 - 422	543.82	35.2	R.LLEGEEQRL.C	
				246 - 253	554.31	49.8	R.RLYEEEEIR.V	
				30 - 38	556.23	66.8	R.CCITAAPYR.G	Carbamidomethyl: 1, 2
				218 - 226	563.23	62.7	K.KDVDCAYVR.K	Carbamidomethyl: 5
				393 - 401	564.27	39.2	K.EYQEVMSK.L	
				413 - 421	565.29	43	R.RLLEGEEQR.L	
				336 - 345	565.76	38.9	Q.RLTAEVENAK.C	
				198 - 206	568.82	76.5	K.KYEEVALR.A	
				4 - 15	579.77	82.8	C.GFSTVSGFGSR.A	
				383 - 392	589.3	63.3	K.AKQDMACLK.E	Carbamidomethyl: 7
				207 - 217	596.84	78.1	R.ATAENEFVALK.K	
				383 - 392	597.3	64.2	K.AKQDMACLK.E	Carbamidomethyl: 7; Oxidation: 5
				207 - 217	597.33	43.2	R.ATAENEFVALK.K	Deamidated: 5
				372 - 382	600.37	90.3	C.KLAGLEELQK.A	
				16 - 26	606.24	73.6	R.AFSCVSACGPR.P	Carbamidomethyl: 4, 8
				306 - 315	609.83	44.5	K.CEEIKATVIR.H	Carbamidomethyl: 1
				170 - 180	611.73	87.3	R.EAECVEADSGR.L	Carbamidomethyl: 4
				323 - 332	623.32	74	R.TKEEINELNR.V	
				323 - 332	623.8	59.4	R.TKEEINELNR.V	Deamidated: 6
				294 - 303	627.77	69.5	R.SRAEESWYR.S	
				402 - 412	632.39	93.5	K.LGLDIEIATYR.R	
				197 - 206	632.84	65	K.KKYEEVALR.A	
				373 - 384	635.82	79.5	K.LAGLEELQKAK.Q	
				181 - 197	658.31	50.1	R.LSSELNHVQEVLEG YKK.K	
				181 - 197	658.69	42.1	R.LSSELNHVQEVLEG YKK.K	Deamidated: 6
				3 - 15	659.8	65.7	T.CGFSTVSGFGSR. A	Carbamidomethyl: 1
				207 - 218	660.81	87.2	R.ATAENEFVALKK.D	
				207 - 218	661.35	74.2	R.ATAENEFVALKK.D	Deamidated: 5
				371 - 382	680.36	75	R.CKLAGLEELQK.A	Carbamidomethyl: 1
				97 - 108	700.86	51.6	L.NLEIDPNAQCVK.Q	Carbamidomethyl: 10
				322 - 332	701.33	61.2	R.RTKEEINELNR.V	
				254 - 272	702.69	26.8	R.VLQANISDTSVIVKM DNSR.D	Oxidation: 15
				2 - 15	710.32	115.3	M.TCGFSTVSGFGS R.A	Carbamidomethyl: 2
				273 - 284	710.84	83.7	R.DLNMDCIVAEIK.A	Carbamidomethyl: 6
				438 - 451	711.76	100.3	R.GGVVCGDLCVSGS R.P	Carbamidomethyl: 5, 9
				273 - 284	718.81	44.4	R.DLNMDCIVAEIK.A	Carbamidomethyl: 6; Oxidation: 4
				227 - 245	731.39	37.1	R.KSDLEANSEALIQEI DFLR.R	Deamidated: 13
				228 - 246	740.34	28.3	K.SDLEANSEALIQEID FLRR.L	
				254 - 267	743.91	110.9	R.VLQANISDTSVIVK.	

							M	
				254 - 267	744.4	37.2	R.VLQANISDTSVIVK.M	Deamidated: 3
				131 - 142	746.4	39.2	R.FLEQQNKLLLETK.L	Deamidated: 6
				138 - 149	768.91	86	K.LLETKLQFFQNR.Q	
				227 - 246	783.09	58	R.KSDLEANSEALIQEI DFLRR.L	
				337 - 350	796.36	74.9	R.LTAEVENAKCQNSK .L	Carbamidomethyl: 10
				149 - 168	838.68	93.6	N.RQCCESNLEPLFEG YIETLR.R	Carbamidomethyl: 3, 4
				150 - 169	838.69	51.2	R.QCCESNLEPLFEGY IETLRR.E	Carbamidomethyl: 2, 3
				422 - 437	847.35	132	R.LCEGVGAVNVCVS SSR.G	Carbamidomethyl: 2, 11
				181 - 196	922.92	81.2	R.LSSELNHVQEVLEG YK.K	
				181 - 196	923.48	46.6	R.LSSELNHVQEVLEG YK.K	Deamidated: 6
				91 - 108	1013	65.2	E.SLLTPLNLEIDPNAQ CVK.Q	Carbamidomethyl: 16
				228 - 245	1032.01	98.5	K.SDLEANSEALIQEID FLR.R	
				228 - 245	1032.48	54.3	K.SDLEANSEALIQEID FLR.R	Deamidated: 6
				351 - 370	1056.99	124.6	K.LEAAVTQAEQQGEV ALNDAR.C	
				351 - 370	1057.49	51.4	K.LEAAVTQAEQQGEV ALNDAR.C	Deamidated: 7
				227 - 245	1096.52	69.6	R.KSDLEANSEALIQEI DFLR.R	Deamidated: 7
				150 - 168	1179.55	110.5	R.QCCESNLEPLFEGY IETLR.R	Carbamidomethyl: 2, 3
				150 - 168	1180.08	77.6	R.QCCESNLEPLFEGY IETLR.R	Carbamidomethyl: 2, 3; Deamidated: 1
K85	gij164652870	56.3	4043.7	166 - 171	356.72	38.1	R.HGETLR.R	
				37 - 47	443.94	28.1	N.HVQEVLEGYKK.K	
				252 - 263	473.95	58.5	K.LGLDIEIATYRR.L	
				109 - 117	481.28	75.2	H.ISDTSVIVK.M	
				264 - 271	487.25	73.4	R.LLEGEEQR.L	
				187 - 195	494.8	56	R.LTAEIENAK.C	
				235 - 242	497.75	62.4	K.QDMACLLK.E	Carbamidomethyl: 5; Oxidation: 3
				49 - 56	504.79	49.6	K.YEEVALR.A	
				69 - 76	506.23	43.4	K.DVDCAYL.R.K	Carbamidomethyl: 4
				146 - 153	506.26	48.2	R.AEAESWYR.S	
				175 - 182	508.76	36	K.EEINELNR.V	
				135 - 143	519.76	74.3	K.AQYDDIASR.S	
				328 - 337	523.15	62.8	R.ASSFSCGSSR.S	Carbamidomethyl: 6
				223 - 232	536.33	87.2	K.LAGLEEALQK.A	
				264 - 272	543.82	35.2	R.LLEGEEQRL.C	
				243 - 251	564.27	39.2	K.EYQEVMSK.L	
				263 - 271	565.29	43	R.RLLEGEEQR.L	
				48 - 56	568.82	76.5	K.KYEEVALR.A	
				68 - 76	570.29	72.5	K.KDVDCAYLR.K	Carbamidomethyl: 5
				233 - 242	589.3	63.3	K.AKQDMACLLK.E	Carbamidomethyl: 7
				233 - 242	597.3	64.2	K.AKQDMACLLK.E	Carbamidomethyl: 7; Oxidation: 5
				20 - 30	600.22	26	R.EAEHVEADSGR.L	

				222 - 232	600.37	90.3	S.KLAGLEELQK.A	
				57 - 67	610.85	78.2	R.ATAENEFVVLK.K	
				173 - 182	623.32	74	R.TKEEINELNR.V	
				173 - 182	623.8	59.4	R.TKEEINELNR.V	Deamidated: 6
				144 - 153	627.77	69.5	R.SRAEAESWYR.S	
				252 - 262	632.39	93.5	K.LGLDIEIATYR.R	
				47 - 56	632.84	65	K.KKYEEEEVALR.A	
				223 - 234	635.82	79.5	K.LAGLEELQKAK.Q	
				106 - 117	642.32	44.1	L.NAHISDTSVIVK.M	
				221 - 232	643.88	105.8	R.SKLAGLEELQK.A	
				31 - 47	653	40.3	R.LASELNHVQEVLEG YKK.K	
				31 - 47	653.35	38.3	R.LASELNHVQEVLEG YKK.K	Deamidated: 9
				57 - 68	674.86	81.2	R.ATAENEFVVLK.D	
				201 - 220	686.38	26.8	K.LEAAVAEAEQQGEA ALNDAR.S	Deamidated: 11
				172 - 182	701.33	61.2	R.RTKEEINELNR.V	
				123 - 134	703.86	74.4	R.DLNMDCVVAEIK.A	Carbamidomethyl: 6
				104 - 117	755.88	34.2	Q.ILNAHISDTSVIVK.M	Deamidated: 3
				288 - 303	757.3	103.3	R.GGVACGGLTYSS AGR.Q	Carbamidomethyl: 5
				199 - 220	762.69	70.1	R.TKLEAAVAEAEQQG EAALNDAR.S	Deamidated: 12
				77 - 96	764.43	101.2	R.KSDLEANVEALVEE SNFLKR.L	
				1 - 19	791.36	39	- .CCESNLEPLFNGYIET LRR.E	Carbamidomethyl: 1, 2; Deamidated: 11
				304 - 327	794.72	71.6	R.QIASGPVATGGSITV LAPDSCQPR.A	Carbamidomethyl: 21
				97 - 117	800.79	95.4	R.LYDEEIQILNAHISDT SVIVK.M	
				97 - 117	801.08	31.8	R.LYDEEIQILNAHISDT SVIVK.M	Deamidated: 7
				272 - 287	855.36	131.9	R.LCEGVGSVNVCVS SSR.G	Carbamidomethyl: 2, 11
				272 - 287	855.89	30.3	R.LCEGVGSVNVCVS SSR.G	Carbamidomethyl: 2, 11; Deamidated: 9
				31 - 46	914.95	109.6	R.LASELNHVQEVLEG YK.K	
				78 - 95	1004	127.5	K.SDLEANVEALVEES NFLK.R	
				201 - 220	1028.48	151.3	K.LEAAVAEAEQQGEA ALNDAR.S	
				77 - 95	1068.03	86.1	R.KSDLEANVEALVEE SNFLK.R	
				78 - 96	1082.03	43.4	K.SDLEANVEALVEES NFLKR.L	
				199 - 220	1143.02	172.8	R.TKLEAAVAEAEQQG EAALNDAR.S	
				199 - 220	1143.54	83.6	R.TKLEAAVAEAEQQG EAALNDAR.S	Deamidated: 19
KAP7	gil224555962	8.8	214.6	4 - 23	822.01	72.6	R.FFCCGSYFPGYPSY GTNFHR.T	Carbamidomethyl: 3, 4
				4 - 23	822.36	31.6	R.FFCCGSYFPGYPSY GTNFHR.T	Carbamidomethyl: 3, 4; Deamidated: 17
				27 - 43	857.91	31.5	R.ATPLNCVVPLGSPL GYG.C	Carbamidomethyl: 6
				2 - 23	907.69	78.8	M.TRFFCCGSYFPGY	Carbamidomethyl:

							PSYGTNFHR.T	5, 6
KAP3.2	gij229307	10.3	210.2	12 - 26	567.6	53.5	R.TGPATTICSSDKFC R.C	Carbamidomethyl: 8, 14
				12 - 23	619.27	83.7	R.TGPATTICSSDK.F	Carbamidomethyl: 8
				12 - 24	692.8	73	R.TGPATTICSSDKF.C	Carbamidomethyl: 8
K35	gij168693435	49.7	2373.7	177 - 183	404.23	49.7	K.LAADDFR.T	
				364 - 370	408.74	50.9	E.SQLAEIR.C	
				108 - 114	412.23	53.8	R.LASYLEK.V	
				8 - 16	442.23	40.6	K.ASFSSGSLK.V	
				226 - 232	452.75	29.4	K.EELLCLK.K	Carbamidomethyl: 5
				223 - 233	454.29	27.6	E.SLKEELLCLK.K.N	Carbamidomethyl: 8
				121 - 128	474.23	43.4	R.ENAEESR.I	
				168 - 176	500.34	71.6	R.LVVQIDNAK.L	
				168 - 176	500.82	62.3	R.LVVQIDNAK.L	Deamidated: 7
				380 - 387	503.31	42.2	E.YQVLLDVR.A	
				399 - 407	518.77	32.2	R.GLLDSEDCK.L	Carbamidomethyl: 8
				408 - 421	527.23	40.8	K.LPCNPCAPDHSPSK .S	Carbamidomethyl: 3, 6
				108 - 116	539.83	83.7	R.LASYLEKVR.Q	
				206 - 214	545.83	69.9	R.ILDDTLCK.A	Carbamidomethyl: 8
				48 - 58	556.79	60.5	R.SFSACSVGLGK.S	Carbamidomethyl: 5
				445 - 454	566.79	38.7	R.PICVSCPGSR.F	Carbamidomethyl: 3, 6
				99 - 107	577.31	60.5	K.ETMQFLNDR.L	
				167 - 176	578.36	40.6	A.RLVVQIDNAK.L	
				99 - 107	585.27	31.9	K.ETMQFLNDR.L	Oxidation: 3
				28 - 38	601.78	63.8	R.VSTIFSSSSCK.L	Carbamidomethyl: 10
				234 - 243	613.82	30	K.NHEEEVNSLR.C	
				223 - 232	616.86	49.7	E.SLKEELLCLK.K	Carbamidomethyl: 8
				205 - 214	623.84	56.6	R.RILDDTLCK.A	Carbamidomethyl: 9
				184 - 193	629.31	48.2	R.TKYETEVTMR.Q	
				184 - 193	637.26	38.6	R.TKYETEVTMR.Q	Oxidation: 9
				388 - 398	699.3	46	R.ARLECEISTYR.G	Carbamidomethyl: 5
				335 - 347	703.31	99.3	R.DALESTLAETEAR.Y	
				221 - 232	730.92	73.7	Q.VESLKEELLCLK.K	Carbamidomethyl: 10
				376 - 387	752.91	100.2	R.QNQEYQVLLDVR.A	
				376 - 387	753.37	41	R.QNQEYQVLLDVR.A	Deamidated: 3
				250 - 264	811.4	58.2	R.LNVEVDAAPPVDLN R.V	
				298 - 318	821.76	62.8	Q.QVVSSEQLQSYQ AEIIELR.T	
				298 - 318	822.08	26.9	Q.QVVSSEQLQSYQ AEIIELR.T	Deamidated: 1
				346 - 370	927.1	38.8	E.ARYSSQLAQMQGLI GNVESQLAEIR.C	Oxidation: 10; Deamidated: 6
				319 - 334	928.44	75.5	R.TVNALEIELQAQHS MR.D	Oxidation: 15
				215 - 232	1044.51	88.8	K.ADLEAQVESLKEEL LCLK.K	Carbamidomethyl: 16
				298 - 317	1154.08	111	Q.QVVSSEQLQSYQ AEIIELR.R	
Plakop hilin 3 Partial	gij999000068	25.2	203.9	82 - 89	477.31	55.1	R.ILNPLDR.V	
				192 - 205	789.88	58.2	R.AASSLLANLWQYNK .L	

				138 - 163	876.53	40.8	K.SPPADVLINIIAVLNN LVVASPVAAR.D	Deamidated: 15
				24 - 39	965.96	49.8	K.GLEWLWSPQIVGLY NR.L	
PREDI CTED: desmo glein-4	gij426253981	113.8	269.1	379 - 385	414.29	41.2	R.IQVVNVR.E	
				583 - 593	671.38	39.2	R.ACELPQIIELR.A	Carbamidomethyl: 2
				92 - 110	677.35	71.4	R.ISGAGIDRPPYGVFT INPR.T	
				123 - 133	712.87	61.2	R.EITPLFLIYCR.A	Carbamidomethyl: 10
PREDI CTED: desmo plakin	gij426251400	331	1418.6	362 - 368	425.72	40.5	K.QEAFSIR.M	
				2,372 - 2,379	431.76	33.6	R.GLVGIEFK.E	
				1,056 - 1,062	454.27	33.3	R.YIELLTR.S	
				2,224 - 2,231	460.27	27.6	K.NFVDPVTK.K	
				2,759 - 2,767	484.29	39.9	K.AFIGFEGVK.G	
				148 - 156	496.74	59.2	K.YGDGIQLAR.S	
				1,110 - 1,117	503.28	40.8	K.FLDQNLQK.Y	
				1,759 - 1,768	560.31	60	R.LQSLTESLTK.E	
				1,087 - 1,095	565.35	26.7	K.IEVLEELR.L	
				1,467 - 1,477	624.31	75.2	K.NTLAQTETLR.R	
				467 - 476	635.84	46.9	R.LLEQIKELER.E	
				324 - 334	636.36	37.4	R.QLQNIQATSR.E	
				1,427 - 1,437	656.41	37.6	T.KTTIHQLTLQK.E	Deamidated: 10
				2,715 - 2,733	665.67	61.7	R.LLEAQACTGGIIHPT TGQK.L	Carbamidomethyl: 7
				1,261 - 1,271	676.83	38.3	R.NKYETEINITK.T	
				2,420 - 2,434	769.93	72.4	R.LLEAQIATGGIIDPK. E	
				2,245 - 2,258	774.44	27.5	R.IEPHTGLLLLSVQK. R	
				1,665 - 1,679	822.92	92.9	K.VTSLTQQLEQASIVK .K	
				764 - 780	928.45	97.2	K.SVQNDSQAIQVLN QLK.D	
				2,467 - 2,483	1015.45	75.3	K.GFFDPNTEENLTYL QLK.E	Deamidated: 6
				2,333 - 2,362	1041.21	74.3	K.IGLVRPGTALELLEA QAATGFIVDPVSNLR. L	Deamidated: 16
PREDI CTED: filaggrin -2	gij426218939	209	138	7 - 17	636.36	54.8	R.SVVTVIDTFYK.Y	
PREDI CTED: junction plakogl obin	gij426238025	81.7	999.4	500 - 506	372.25	61.2	T.ATIGLIR.N	

				527 - 533	406.81	55.5	R.LVQLLVK.A	
				217 - 224	445.79	43.4	R.EGLLAIFK.S	
				116 - 124	499.81	53.1	R.LAEPSSLK.S	
				541 - 555	533.89	31.1	R.HVAAGTQQPYTDG VR.M	
				478 - 487	544.35	48.5	R.LNYGIPAIVK.L	
				664 - 674	618.88	77	R.VSVELTNSLHK.H	
				368 - 377	651.86	62.6	R.LVQNCLWTLR.N	Carbamidomethyl: 5
				178 - 191	706.43	91.4	R.ALMGSPQLVAAVVR .T	
				178 - 191	714.37	59.6	R.ALMGSPQLVAAVVR .T	Oxidation: 3
				507 - 526	719.35	38.3	R.NLALCPANHAPLQE AAVIPR.L	Carbamidomethyl: 5; Deamidated: 1
				638 - 651	742.37	93.6	R.NEGTATYAAAVLFR. I	
				304 - 320	904.5	62	K.LIILANGGPQALVQI MR.N	Deamidated: 6
				427 - 444	968.01	141.5	K.TLVTQNSGVEALIHA ILR.A	
PREDI CTED: K34	gij426238003	64.1	3921.2	224 - 229	366.18	47.4	R.VLNETR.A	
				323 - 329	408.74	50.9	E.SQLAEIR.S	
				136 - 142	412.22	50.5	K.LASDDFR.T	
				67 - 73	412.23	53.8	R.LASYLEK.V	
				103 - 108	432.19	37.3	N.YQSYFR.T	
				192 - 202	442.9	34.8	K.KNHEEEANSLR.S	
				185 - 191	452.75	29.4	K.EELLCLK.K	Carbamidomethyl: 5
				182 - 192	454.29	27.6	E.SLKEELLCLK.N	Carbamidomethyl: 8
				80 - 87	474.23	43.4	R.ENAELESR.I	
				230 - 241	483.91	53.7	R.AQYEALVETNRR.D	
				109 - 116	494.79	59.1	R.TIEELQK.I	
				127 - 135	507.32	67.1	R.LVIQIDNAK.L	
				229 - 241	535.98	28.9	T.RAQYEALVETNRR. D	
				67 - 75	539.83	83.7	R.LASYLEKVR.Q	
				165 - 173	552.84	77.8	R.ILDELTLCK.S	Carbamidomethyl: 8
				242 - 249	555.25	52.5	R.DVEEWYIR.Q	
				349 - 357	562.78	62	R.LESEINTYR.G	
				58 - 66	577.31	60.5	K.ETMQFLNDR.L	
				58 - 66	585.27	31.9	K.ETMQFLNDR.L	Oxidation: 3
				349 - 358	591.26	61.1	R.LESEINTYR.G.L	
				193 - 202	599.76	39.1	K.NHEEEANSLR.S	
				284 - 293	604.27	37.2	E.VELQAQHNL.R.D	
				174 - 184	609.82	81	K.SDLEAQVESLK.E	
				182 - 191	616.86	49.7	E.SLKEELLCLK.K	Carbamidomethyl: 8
				164 - 173	630.85	45.6	R.RILDELTLCK.S	Carbamidomethyl: 9
				241 - 249	633.32	48.4	R.RDVEEWYIR.Q	
				47 - 57	644.76	47.6	W.FCEGSFNGNEK.E	Carbamidomethyl: 2
				47 - 57	645.28	27	W.FCEGSFNGNEK.E	Carbamidomethyl: 2; Deamidated: 7
				230 - 240	647.31	94.8	R.AQYEALVETNR.R	
				230 - 240	647.8	70.7	R.AQYEALVETNR.R	Deamidated: 2
				92 - 102	650.26	46.3	R.SQQQEPLVCPN.Y	Carbamidomethyl: 9
				277 - 293	664.35	44	R.RTVNALEVELQAQH NLR.D	

				283 - 293	668.82	49.1	L.EVELQAQHNLR.D	
				347 - 357	676.31	65.3	K.ARLESEINTYR.G	
				295 - 306	682.32	79.3	D.SLENTLTETEAR.Y	
				229 - 240	725.35	39.9	T.RAQYEALVETNR.R	
				230 - 241	725.86	39	R.AQYEALVETNRR.D	Deamidated: 10
				230 - 241	725.88	26.3	R.AQYEALVETNRR.D	Deamidated: 2
				180 - 191	730.92	73.7	Q.VESLKEELLCLK.K	Carbamidomethyl: 10
				335 - 346	738.93	31.1	R.QNQEYQVLLDVK.A	
				294 - 306	739.84	98.7	R.DSLENTLTETEAR.Y	
				294 - 306	740.3	93.1	R.DSLENTLTETEAR.Y	Deamidated: 5
				174 - 192	744.77	40.3	K.SDLEAQVESLKEEL LCLK.N	Carbamidomethyl: 16
				281 - 293	760.92	94.7	N.ALEVELQAQHNLR. D	
				109 - 121	787.41	71	R.TIEELQQKILCAK.S	Carbamidomethyl: 11
				209 - 223	813.4	97.7	R.LNVEVDAAPTVDLN R.V	
				202 - 223	813.41	42.6	L.RSQLGDRLNVEVDA APTVDLNR.V	
				209 - 223	813.89	45.9	R.LNVEVDAAPTVDLN R.V	Deamidated: 2
				257 - 277	821.76	62.8	K.QVVSSEQLQSYQ AEIIELR.T	
				257 - 277	822.08	26.9	K.QVVSSEQLQSYQ AEIIELR.T	Deamidated: 1
				278 - 293	917.98	138.5	R.TVNALEVELQAQHN LR.D	
				278 - 293	918.46	122.2	R.TVNALEVELQAQHN LR.D	Deamidated: 10
				278 - 293	918.48	99.6	R.TVNALEVELQAQHN LR.D	Deamidated: 3
				358 - 383	947.72	70.6	R.GLLDSEDSKLPSNP CATTNASSNFCR.S	Carbamidomethyl: 15, 25
				358 - 383	948.42	38	R.GLLDSEDSKLPSNP CATTNASSNFCR.S	Carbamidomethyl: 15, 25; Deamidated: 13, 19
				367 - 383	948.88	127.4	K.LPSNPCATTNASSN FCR.S	Carbamidomethyl: 6, 16
				174 - 191	1052.55	102.5	K.SDLEAQVESLKEEL LCLK.K	Carbamidomethyl: 16
				174 - 191	1053.03	63.9	K.SDLEAQVESLKEEL LCLK.K	Carbamidomethyl: 16; Deamidated: 6
				92 - 108	1072.43	77.8	R.SQQQEPLVCPNYQ SYFR.T	Carbamidomethyl: 9
				92 - 108	1073	45.1	R.SQQQEPLVCPNYQ SYFR.T	Carbamidomethyl: 9; Deamidated: 2
				257 - 276	1154.08	111	K.QVVSSEQLQSYQ AEIIELR.R	
PREDI CTED: K32	gij426238005	46	990	133 - 139	404.23	49.7	K.LAADDFR.S	
				320 - 326	408.74	50.9	E.SQLAEIR.C	
				106 - 113	494.79	59.1	K.TIEELQQK.I	
				124 - 132	515.33	61.5	R.IVVQIDNTK.L	
				355 - 363	518.77	32.2	R.GLLDSEDCK.L	Carbamidomethyl: 8
				162 - 170	552.84	77.8	R.ILDELTCLK.A	Carbamidomethyl: 8
				55 - 63	554.28	47.8	K.ETLQFLNSR.L	
				140 - 149	598.31	51.5	R.SKYETELGLR.Q	
				161 - 170	630.85	45.6	R.RILDELTCLK.A	Carbamidomethyl: 9

				344 - 354	668.31	44.8	R.ARLEAEINTYR.G	
				292 - 303	682.32	79.3	D.SLENTLTETEAR.Y	
				291 - 303	739.84	98.7	R.DSLENTLTETEAR.Y	
				291 - 303	740.3	93.1	R.DSLENTLTETEAR.Y	Deamidated: 5
				303 - 326	908.11	29.6	A.RYASQLAQMQLV TNVESQLAEIR.C	Oxidation: 9; Deamidated: 15
				302 - 326	926.76	31.7	E.ARYASQLAQMQLV VTNVESQLAEIR.C	Deamidated: 6, 9
PREDI CTED: K20	gij426237957	48.3	175	96 - 103	484.77	25.3	N.SHLELQIK.H	Deamidated: 6
				81 - 89	553.82	50.7	R.LASYLERVR.S	
PREDI CTED: K39	gij426239024	56.9	713.4	239 - 245	452.75	29.4	K.EELLCLK.N	Carbamidomethyl: 5
				163 - 170	494.79	59.1	A.TIEELQKQK.I	
				488 - 502	612.63	51.9	K.VISSYEHVQPCFITR .A	Carbamidomethyl: 11
				236 - 245	616.86	49.7	Q.SLKEELLCLK.N	Carbamidomethyl: 8
				228 - 245	696.72	81.6	K.ADLEAQVQSLKEEL LCLK.N	Carbamidomethyl: 16; Deamidated: 6
				234 - 245	730.92	73.7	Q.VQSLKEELLCLK.N	Carbamidomethyl: 10; Deamidated: 2
				263 - 277	825.91	100.9	R.LHIEVTSAPSVDLNR .V	
				228 - 245	1044.51	88.8	K.ADLEAQVQSLKEEL LCLK.N	Carbamidomethyl: 16; Deamidated: 8
PREDI CTED: K40	gij426237961	47.4	587.7	169 - 175	404.23	49.7	K.LAADDFR.S	
				100 - 106	412.23	53.8	R.LASYLEK.V	
				160 - 168	530.78	50.2	R.LAVQLDNCK.L	Carbamidomethyl: 8
				100 - 108	539.83	83.7	R.LASYLEKVR.G	
				100 - 109	568.28	38.8	R.LASYLEKVRG.L	
				91 - 99	577.31	60.5	K.ETMQFLNDR.L	
				91 - 99	585.27	31.9	K.ETMQFLNDR.L	Oxidation: 3
				382 - 390	599.27	61.8	R.LECEINTYR.G	Carbamidomethyl: 3
				380 - 390	712.8	76.9	K.ARLECEINTYR.G	Carbamidomethyl: 5
				297 - 309	781.37	34	E.QLQGCQTEILELK.R	Carbamidomethyl: 5; Deamidated: 1, 6
PREDI CTED: K82	gij426224444	56.7	1552.9	129 - 135	413.72	48.1	R.FASFINK.V	
				129 - 135	414.23	46.7	R.FASFINK.V	Deamidated: 6
				138 - 144	453.78	42.3	R.FLEQKNK.L	
				409 - 420	473.95	58.5	K.LGLDIEIATYRR.L	
				421 - 428	487.25	73.4	R.LLEGEEQR.L	
				392 - 399	497.75	62.4	K.QDMACLLK.E	Carbamidomethyl: 5; Oxidation: 3
				380 - 389	536.33	87.2	K.LAGLEEALQK.A	
				421 - 429	543.82	35.2	R.LLEGEEQRL.C	
				400 - 408	564.27	39.2	K.EYQEVMSK.L	
				420 - 428	565.29	43	R.RLEGEEQR.L	
				390 - 399	589.3	63.3	K.AKQDMACLLK.E	Carbamidomethyl: 7
				390 - 399	597.3	64.2	K.AKQDMACLLK.E	Carbamidomethyl: 7; Oxidation: 5
				379 - 389	600.37	90.3	C.KLAGLEEALQK.A	
				16 - 26	605.79	41.4	R.SFSSCSAVLPR.V	Carbamidomethyl: 5
				409 - 419	632.39	93.5	K.LGLDIEIATYR.R	

				380 - 391	635.82	79.5	K.LAGLEEEALQKAK.Q	
				280 - 291	658.38	75.2	R.ELDTDGIIAQIK.A	
				194 - 204	677.81	43.9	R.CLQDTLEGYKK.K	Carbamidomethyl: 1
				378 - 389	680.36	75	K.CKLAGLEEEALQK.A	Carbamidomethyl: 1
				429 - 444	816.85	78.2	R.LCEGVGPVNISVSS SK.G	Carbamidomethyl: 2
				48 - 64	910.4	97.5	R.ALGCLGSWSLCNV GLGR.P	Carbamidomethyl: 4, 11
PREDI CTED: K84	gij426224440	64.1	830.6	168 - 174	414.23	46.7	K.FASFIDK.V	
				177 - 183	453.78	42.3	R.FLEQQNK.L	
				177 - 188	497.6	34.2	R.FLEQQNKLLETK.W	
				245 - 253	533.27	36.2	K.YEEEVGLRA.S	
				244 - 253	597.26	45.6	K.KYEEEVGLRA.S	
				54 - 64	598.77	56	R.SVISFGSCSPR.I	Carbamidomethyl: 8
				530 - 542	629.81	74.8	R.VGGGDLLGVGCR. G	Carbamidomethyl: 12
				448 - 458	639.42	41.3	K.LALDIEIATYR.R	
				319 - 330	643.36	79.3	R.DLNVDGIIADIK.A	
				177 - 188	746.4	39.2	R.FLEQQNKLLETK.W	Deamidated: 6
				103 - 117	827.82	72.2	R.SGLSYGFCSPGFG YR.V	Carbamidomethyl: 8
PREDI CTED: K85- like	gij426226634	56.3	1731.1	149 - 155	406.27	47.9	R.FAAFIDK.V	
				158 - 164	453.78	42.3	R.FLEQQNK.L	
				72 - 80	473.74	66.9	R.SLCAVGSPR.I	Carbamidomethyl: 3
				170 - 176	484.74	43.3	K.LQFYQNR.Q	
				170 - 176	485.24	26.5	K.LQFYQNR.Q	Deamidated: 6
				364 - 372	487.76	52.8	R.LTAEVENAK.Q	
				312 - 320	490.77	43	K.AQYDGIASR.S	
				158 - 169	497.6	34.2	R.FLEQQNKLLETK.L	
				406 - 413	497.75	62.4	K.QDMACLLK.E	Carbamidomethyl: 5; Oxidation: 3
				352 - 359	508.76	36	K.EEINELNR.V	
				149 - 157	533.82	69.7	R.FAAFIDKVR.F	
				394 - 403	550.33	66.8	K.LVGLEEEALQK.A	
				414 - 422	564.27	39.2	K.EYQEVMSK.L	
				363 - 372	565.76	38.9	Q.RLTAEVENAK.Q	
				404 - 413	589.3	63.3	K.AKQDMACLLK.E	Carbamidomethyl: 7
				81 - 90	596.35	53	R.ISVSYAWPLR.G	
				404 - 413	597.3	64.2	K.AKQDMACLLK.E	Carbamidomethyl: 7; Oxidation: 5
				350 - 359	623.32	74	R.TKEEINELNR.V	
				350 - 359	623.8	59.4	R.TKEEINELNR.V	Deamidated: 6
				208 - 224	653.35	38.3	R.LASELNHVEEVLEG YKK.K	
				349 - 359	701.33	61.2	R.RTKEEINELNR.V	
				158 - 169	746.4	39.2	R.FLEQQNKLLETK.L	Deamidated: 6
				165 - 176	776.91	75.6	K.LLETKLQFYQNR.Q	
				443 - 456	782.34	103.4	R.LCEGVGSINICVSR. S	Carbamidomethyl: 2, 11
				178 - 196	791.36	39	Q.CCESNLEPLFNGYI ETLRR.E	Carbamidomethyl: 1, 2; Deamidated: 11

				457 - 472	801.85	94.2	R.SQGGVICGDLGSTV PR.G	Carbamidomethyl: 7
				177 - 196	834.38	29.2	R.QCCESNLEPLFNGY IETLRR.E	Carbamidomethyl: 2, 3; Deamidated: 1, 12
PREDI CTED: K1b	gij426224420	60.9	420.7	183 - 189	414.23	46.7	K.FASFIDK.V	
				192 - 198	453.78	42.3	R.FLEQQNQ.V	
				436 - 445	564.78	35.8	K.LQDLEAALQQ.S	
				369 - 378	590.31	65.8	K.YQELQITAGR.H	Deamidated: 2
				325 - 335	647.87	31.4	D.TNVILSMDNNR.S	Oxidation: 7; Deamidated: 9, 10
				192 - 203	738.35	81	R.FLEQQNQVLQTK.W	
PREDI CTED: K4	gij426224418	57.6	356.4	152 - 158	414.23	46.7	K.FASFIDK.V	
				161 - 167	453.78	42.3	R.FLEQQNK.V	
				434 - 444	639.42	41.3	K.LALDIEIATYR.K	
				428 - 444	660.98	57.8	Q.ELMSVKLALDIEIAT YR.K	Oxidation: 3
				305 - 316	679.89	28.2	R.NLDLDSIAEVR.A	Deamidated: 1
				258 - 277	768.74	41.4	M.SKVELEAKVDALND EINFLR.I	Deamidated: 17
PREDI CTED: K7	gij426224448	50.3	524.1	90 - 96	414.23	46.7	K.FASFIDK.V	
				99 - 105	453.78	42.3	R.FLEQQNK.L	
				99 - 110	497.6	34.2	R.FLEQQNKLLLETK.W	
				176 - 186	610.85	78.2	R.TAAENEFVVLK.K	
				371 - 381	639.42	41.3	K.LALDIEIATYR.K	
				176 - 187	674.86	81.2	R.TAAENEFVVLKK.D	
				99 - 110	746.4	39.2	R.FLEQQNKLLLETK.W	Deamidated: 6
PREDI CTED: K79	gij426224416	56.5	564	137 - 143	414.23	46.7	K.FASFIDK.V	
				146 - 152	453.78	42.3	R.FLEQQNK.V	
				226 - 236	610.85	78.2	R.TAAENEFVVLK.K	
				292 - 303	665.4	90.4	R.NLDLDSIAEVK.A	
				226 - 237	674.86	81.2	R.TAAENEFVVLKK.D	
PREDI CTED: K80	gij426226638	58.9	229.6	420 - 429	564.83	34.8	K.LAQLEDALQQ.A	
				449 - 459	639.42	41.3	K.LALDIEIATYR.K	
				131 - 144	754.46	55.1	K.VTVNPSLLVPLDLK. V	
PREDI CTED: KAP10- 8-like	gij426218385	29.5	103.8	175 - 186	687.33	96	R.PASCLSLLCQPK.C	Carbamidomethyl: 4, 9
				43 - 58	955.3	86.7	C.CEPPCCAPSCCTSA PR.L	Carbamidomethyl: 1, 5, 6, 10, 11
PREDI CTED: KAP12- 2-like	gij426218339	10.1	88.9	102 - 117	912.91	88.9	R.PTLVYRPISCSTASC L.-	Carbamidomethyl: 10, 15
PREDI CTED: KAP13- 1-like	gij426219157	17.5	245.6	168 - 183	964.34	38	R.SCPSSCYRPTCGS VFY.-	Carbamidomethyl: 2, 6, 11
				142 - 160	1017.43	91.2	R.LGYGICGFPVLSSG	Carbamidomethyl:

							SGFCR.P	6, 18
				97 - 115	1054.45	96.5	R.TSTFSSPCQTTFFG SLAYR.S	Carbamidomethyl: 8
PREDICTED: KAP16- 1-like	gij426239028	82.3	465	656 - 664	551.77	44.1	R.TFYIPSSCK.Q	Carbamidomethyl: 8
				27 - 36	566.77	42.5	R.GPVCLPSSCR.S	Carbamidomethyl: 4, 9
				679 - 688	582.3	57.6	R.PICSGPITYR.Q	Carbamidomethyl: 3
				626 - 635	604.79	50.1	R.SISCEPLSCR.P	Carbamidomethyl: 4, 9
				689 - 698	614.31	34.2	R.QPYLTSISYR.P	
				613 - 622	626.29	41.4	R.PCQPTCYVVK.R	Carbamidomethyl: 2, 6
				555 - 565	666.33	56	R.VSLVCEPICVR.P	Carbamidomethyl: 5, 9
				699 - 710	771.86	32.3	R.PACYRPFYSILR.R	Carbamidomethyl: 3
				10 - 26	961.9	106.7	K.CPSVPAISLCSTEVS CR.G	Carbamidomethyl: 1, 10, 16
PREDICTED: KAP24- 1-like	gij426219161	27.9	214.1	17 - 32	619.98	57	R.THYYFPVTGSVALC SR.H	Carbamidomethyl: 14
				224 - 236	694.37	45.7	R.SLSSIPSSFPLR.Y	
				171 - 186	866.39	90.6	R.SYQDLGFIPSGFSA SR.Y	
PREDICTED: KAP4- 7-like	gij426237983	19.6	235.6	37 - 49	767.76	52.9	R.TTCYRPSCGVSSC. C	Carbamidomethyl: 3, 8, 13
				117 - 129	849.76	75.6	R.CCQSVCCQPSCPR. I	Carbamidomethyl: 1, 2, 6, 7, 11
				2 - 17	903.28	83.3	M.VSSCCGSVCSQDS CGR.S	Carbamidomethyl: 4, 5, 9, 14
PREDICTED: plakoph ilin-1	gij426240585	46.2	192.1	310 - 325	925.89	58.1	R.EPVDPEVFFNATGC LR.A	Carbamidomethyl: 14
				293 - 309	966.44	119.1	R.VIIPFSGWCDGNSN LPR.E	Carbamidomethyl: 9
				573 - 580	477.31	55.1	R.ILNPLLD.R.V	
				189 - 204	710.85	55	R.GVAGGGPGGIPEP VTR.A	
				347 - 362	892.44	91.1	K.NVTGILWNLSSSDH LK.D	
				515 - 530	965.96	49.8	K.GLEWLWSPQIVGLY NR.L	
K33a	gij125091	46	3871.6	224 - 229	366.18	47.4	H.VLNETR.A	
				323 - 329	408.74	50.9	E.SQLAEIR.S	
				136 - 142	412.22	50.5	K.LASDDFR.T	
				67 - 73	412.23	53.8	R.LASYLEK.V	
				103 - 108	432.19	37.3	N.YQSYFR.T	
				185 - 191	452.75	29.4	K.EELICK.Q	Carbamidomethyl: 5
				230 - 241	483.91	53.7	R.AQYEALVETNRR.D	
				109 - 116	494.79	59.1	R.TIEELQK.I	
				145 - 152	498.78	31.7	K.YETEVSLR.Q	
				127 - 135	500.34	71.6	R.LVVQIDNAK.L	
				127 - 135	500.82	62.3	R.LVVQIDNAK.L	Deamidated: 7
				339 - 346	503.31	42.2	E.YQVLLDVR.A	
				358 - 366	518.77	32.2	R.GLLDSEDCK.L	Carbamidomethyl: 8

				229 - 241	535.98	28.9	T.RAQYEALVETNRR.D	
				67 - 75	539.83	83.7	R.LASYLEKVR.Q	
				1 - 13	545.25	28.3	-.MSFNFCLPNLSFR.S	Carbamidomethyl: 6; Deamidated: 4
				396 - 404	546.2	59.8	R.CGPCNTFVH.-	Carbamidomethyl: 1, 4
				165 - 173	552.84	77.8	R.ILDELTLCK.S	Carbamidomethyl: 8
				242 - 249	555.25	52.5	R.DVEEWYIR.Q	
				5 - 13	577.3	48.9	N.FCLPNLSFR.S	Carbamidomethyl: 2
				58 - 66	577.31	60.5	K.ETMQFLNDR.L	
				126 - 135	578.36	40.6	A.RLVVQIDNAK.L	
				58 - 66	585.27	31.9	K.ETMQFLNDR.L	Oxidation: 3
				349 - 357	599.27	61.8	R.LECEINTYR.G	Carbamidomethyl: 3
				284 - 293	604.27	37.2	E.VELQAQHNLR.D	
				143 - 152	613.3	63.2	R.TKYETEVSRLR.Q	
				153 - 163	614.35	70.3	R.QLVEADLNGLR.R	
				153 - 163	614.84	69.6	R.QLVEADLNGLR.R	Deamidated: 8
				182 - 191	616.86	49.7	E.SLKEELICK.Q	Carbamidomethyl: 8
				164 - 173	630.85	45.6	R.RILDELTLCK.S	Carbamidomethyl: 9
				241 - 249	633.32	48.4	R.RDVEEWYIR.Q	
				4 - 13	634.35	39.8	F.NFCLPNLSFR.S	Carbamidomethyl: 3
				47 - 57	644.76	47.6	W.FCEGSFNGNEK.E	Carbamidomethyl: 2
				47 - 57	645.28	27	W.FCEGSFNGNEK.E	Carbamidomethyl: 2; Deamidated: 7
				230 - 240	647.31	94.8	R.AQYEALVETNR.R	
				230 - 240	647.8	70.7	R.AQYEALVETNR.R	Deamidated: 2
				92 - 102	650.26	46.3	R.SQQQEPLVCPN.Y	Carbamidomethyl: 9
				277 - 293	664.35	44	R.RTVNALEVELQAQHNLR.D	
				283 - 293	668.82	49.1	L.EVELQAQHNLR.D	
				295 - 306	682.32	79.3	D.SLENTLTETEAR.Y	
				192 - 202	684.27	65.7	K.QNHEQEVNTRL.S	
				153 - 164	692.38	26.1	R.QLVEADLNGLRR.I	
				347 - 357	712.8	76.9	R.ARLECEINTYR.G	Carbamidomethyl: 5
				229 - 240	725.35	39.9	T.RAQYEALVETNR.R	
				230 - 241	725.86	39	R.AQYEALVETNRR.D	Deamidated: 10
				230 - 241	725.88	26.3	R.AQYEALVETNRR.D	Deamidated: 2
				381 - 393	728.82	56.8	K.PIGPCISNPCVSR.T	Carbamidomethyl: 5, 10
				180 - 191	730.92	73.7	R.VESLKEELICK.Q	Carbamidomethyl: 10
				294 - 306	739.84	98.7	R.DSLENTLTETEAR.Y	
				294 - 306	740.3	93.1	R.DSLENTLTETEAR.Y	Deamidated: 5
				2 - 13	751.36	66.1	M.SFNFCLPNLSFR.S	Carbamidomethyl: 5
				2 - 13	751.85	36.7	M.SFNFCLPNLSFR.S	Carbamidomethyl: 5; Deamidated: 3
				335 - 346	752.91	100.2	R.QNQEYQVLLDVR.A	
				335 - 346	753.37	41	R.QNQEYQVLLDVR.A	Deamidated: 3
				281 - 293	760.92	94.7	N.ALEVELQAQHNLR.D	
				209 - 229	773.73	51.3	R.LNVEVDAAPTVDLNHVLNETR.A	
				209 - 229	774.02	27.8	R.LNVEVDAAPTVDLNHVLNETR.A	Deamidated: 2
				209 - 223	804.39	41.2	R.LNVEVDAAPTVDLNH.V	Deamidated: 14

				257 - 277	820.74	44.3	K.QVSSSEQLQSCQ AEIIELR.R.T	Carbamidomethyl: 12
				278 - 293	917.98	138.5	R.TVNALEVELQAQHN LR.D	
				278 - 293	918.46	122.2	R.TVNALEVELQAQHN LR.D	Deamidated: 10
				278 - 293	918.48	99.6	R.TVNALEVELQAQHN LR.D	Deamidated: 3
				92 - 108	1072.43	77.8	R.SQQQEPLVCPNYQ SYFR.T	Carbamidomethyl: 9
				92 - 108	1073	45.1	R.SQQQEPLVCPNYQ SYFR.T	Carbamidomethyl: 9; Deamidated: 2