Supplementary Table 6. Proteins and peptides identified in Ionic Liquid/(Urea/thourea) extract Fraction 3.

Protein	Accession	Mol Wgt (kDa)	Protein Score	Range	m/z meas.	Peptide score	Sequence	Modifications
K86-like	gi|312283584	53.2	2252.9	117 - 123	406.22	56.2	R.FAAFIDK.V	
				40 - 48	426.25	57.8	R.GLTGGFGSR.S	
				126 - 132	453.7	36.2	R.FLEQQNK.L	
				317 - 327	467.87	55.7	R.RTKEEINELNR.V	
				397 - 408	473.95	34.5	K.LGLDIEIATYRR.L	
				242 - 248	476.25	47.7	R.LYEEEIR.V	
				138 - 144	485.26	47	K.LQFYQNR.Q	Deamidated: 6
				409 - 416	487.24	67.5	R.LLEGEEQR.L	
				291 - 298	506.26	55.1	R.AEAESWYR.S	
				194 - 201	511.76	62.3	R.YEEEIALR.A	
				280 - 288	524.24	43.4	K.AHYDDIASR.S	
				117 - 125	533.86	67	R.FAAFIDKVR.F	
				368 - 377	536.36	67.4	K.LAGLEEALQK.A	
				155 - 163	543.34	67	L.FSGYIETLR.R	
				409 - 417	543.8	26.3	R.LLEGEEQRL.C	
				241 - 248	554.31	49.8	R.RLYEEEIR.V	
				25 - 33	556.26	67.9	R.CCITAAPYR.G	Carbamidomethyl: 1, 2
				408 - 416	565.3	41.8	R.RLLEGEEQR.L	
				214 - 222	570.28	26.4	K.DVDCAYLRK.S	Carbamidomethyl: 4
				318 - 331	581.35	47.6	R.TKEEINELNRVIQR.L	
				202 - 212	596.81	74.9	R.ATAENEFVALK.K	
				165 - 175	597.71	68.3	R.EAECAEADSGR.L	Carbamidomethyl: 4
				318 - 327	623.32	49.7	R.TKEEINELNR.V	
				289 - 298	627.78	75.5	R.SRAEAESWYR.S	
				397 - 407	632.34	88	K.LGLDIEIATYR.R	
				323 - 327	645.35	27.1	I.NELNR.V	
				202 - 213	660.85	62	R.ATAENEFVALKK.D	
				366 - 377	680.39	86.6	K.CKLAGLEEALQK.A	Carbamidomethyl: 1
				176 - 193	698.36	34.1	R.LSSELNSLQEVLEGYKKR.Y	
				8 - 21	739.81	113.2	R.AVPAFSCVSACGPR.P	Carbamidomethyl: 7, 11
				126 - 137	745.91	55	R.FLEQQNKLLETK.L	
				249 - 262	755.39	49	R.VLQAHISDTSVIVK.M	
				221 - 240	783.05	67.6	L.RKSDLEANVEALIQETDFLR.R	
				417 - 432	847.39	132.1	R.LCEGVGAVNVCVSSSR.G	Carbamidomethyl: 2, 11
K33b	gi|999000012	45.9	2737.2	223 - 228	366.17	46.8	R.VLNETR.A	
				216 - 222	407.71	32.9	A.PTVDLNR.V	
				66 - 72	412.24	44.1	R.LASYLEK.V	
				102 - 107	432.21	33.2	N.YQSYFR.T	
				229 - 240	483.9	50.6	R.AQYEALVETNRR.D	
				144 - 151	490.32	56.8	K.YQTELGLR.Q	
				126 - 134	500.33	75.6	R.LVVQIDNAK.L	

				338 - 345	503.31	30.6	E.YQVLLDVR.A	
				280 - 292	507.6	65.1	N.ALEVELQAQHNLR.D	
				135 - 143	518.77	51.3	K.LAADDFRTK.Y	
				60 - 72	532.99	35.7	M.QFLNDRLASYLEK.V	
				231 - 239	547.79	31.6	Q.YEALVETNR.R	
				116 - 125	550.81	58.4	K.ILANKAENAR.L	Deamidated: 4
				241 - 248	555.31	53.7	R.DVEEWYIR.Q	
				348 - 356	562.78	63.4	R.LESEINTYR.G	
				348 - 356	563.28	36.9	R.LESEINTYR.G	Deamidated: 6
				107 - 115	572.81	29.4	F.RTIEELQQK.I	
				334 - 347	578	44.8	R.QNQEYQVLLDVRAR.L	
				142 - 151	605.35	65.6	R.TKYQTELGLR.Q	Deamidated: 4
				152 - 162	622.87	48.1	R.QLVESDINGLR.R	Deamidated: 8
				152 - 162	623.35	38.4	R.QLVESDINGLR.R	Deamidated: 1, 8
				163 - 172	630.86	48.8	R.RILDELTLCK.S	Carbamidomethyl: 9
				240 - 248	633.28	51	R.RDVEEWYIR.Q	
				229 - 239	647.33	90.4	R.AQYEALVETNR.R	
				276 - 292	664.7	60.2	R.RTVNALEVELQAQHNLR.D	Deamidated: 4
				276 - 292	664.72	39.4	R.RTVNALEVELQAQHNLR.D	Deamidated: 11
				346 - 356	676.32	65.2	R.ARLESEINTYR.G	
				317 - 328	685.87	73.1	L.IVNVESQLAEIR.S	
				152 - 163	700.38	44	R.QLVESDINGLRR.I	
				229 - 240	725.87	43.2	R.AQYEALVETNRR.D	Deamidated: 10
				75 - 86	737.89	37.2	R.QLERENAELESR.I	Deamidated: 6
				293 - 305	739.84	99.5	R.DSLENTLTETEAR.Y	
				293 - 305	740.32	87.9	R.DSLENTLTETEAR.Y	Deamidated: 5
				334 - 345	752.9	100.1	R.QNQEYQVLLDVR.A	
				334 - 345	753.4	80.9	R.QNQEYQVLLDVR.A	Deamidated: 3
				202 - 222	761.39	69.8	R.SQLGDRLNVEVDAAPTVDLNR.V	
				208 - 222	813.38	91.9	R.LNVEVDAAPTVDLNR.V	
				208 - 222	813.89	50.1	R.LNVEVDAAPTVDLNR.V	Deamidated: 2
				208 - 222	813.9	52.4	R.LNVEVDAAPTVDLNR.V	Deamidated: 14
				306 - 328	888.78	31.2	R.YSCQLSQVQSLIVNVESQLAEIR.S	Carbamidomethyl: 3
				58 - 72	914.97	58.9	E.TMQFLNDRLASYLEK.V	
				277 - 292	917.93	119.8	R.TVNALEVELQAQHNLR.D	
				91 - 107	1072.52	69.8	R.SQQQEPLVCPNYQSYFR.T	Carbamidomethyl: 9
K35	gi|999000005	49.7	1066.7	107 - 113	412.24	44.1	R.LASYLEK.V	
				167 - 175	500.33	75.6	R.LVVQIDNAK.L	
				379 - 386	503.31	30.6	E.YQVLLDVR.A	
				176 - 184	518.77	51.3	K.LAADDFRTK.Y	
				101 - 113	532.99	35.7	M.QFLNDRLASYLEK.V	
				375 - 388	578	44.8	R.QNQEYQVLLDVRAR.L	
				389 - 397	585.81	52	R.LECEISTYR.G	Carbamidomethyl:

								3
				183 - 192	637.28	34.3	R.TKYETEVTMR.Q	Oxidation: 9
				387 - 397	699.34	42.3	R.ARLECEISTYR.G	Carbamidomethyl: 5
				334 - 346	703.33	106.7	R.DALESTLAETEAR.Y	
				116 - 127	737.89	37.2	R.QLERENAELESR.I	Deamidated: 6
				375 - 386	752.9	100.1	R.QNQEYQVLLDVR.A	
				375 - 386	753.4	80.9	R.QNQEYQVLLDVR.A	Deamidated: 3
				249 - 263	811.43	53.2	R.LNVEVDAAPPVDLNR.V	
				249 - 263	811.89	36.5	R.LNVEVDAAPPVDLNR.V	Deamidated: 2
				99 - 113	914.97	58.9	E.TMQFLNDRLASYLEK.V	
				318 - 333	920.43	77.6	R.TVNALEIELQAQHSMR.D	
K81	gi|999000007	55.1	2195.3	116 - 122	406.22	56.2	R.FAAFIDK.V	
				39 - 47	426.25	57.8	R.GLTGGFGSR.S	
				125 - 131	453.7	36.2	R.FLEQQNK.L	
				317 - 327	467.87	55.7	R.RTKEEINELNR.V	
				397 - 408	473.95	34.5	K.LGLDIEIATYRR.L	
				242 - 248	476.25	47.7	R.LYEEEIR.V	
				137 - 143	485.26	47	K.LQFYQNR.Q	Deamidated: 6
				409 - 416	487.24	67.5	R.LLEGQEQR.L	Deamidated: 5
				194 - 201	504.79	52.3	R.YEEEVALR.A	
				291 - 298	506.26	55.1	R.AEAESWYR.S	
				280 - 288	519.77	33.7	K.AQYDDIASR.S	
				116 - 124	533.86	67	R.FAAFIDKVR.F	
				368 - 377	536.36	67.4	K.LAGLEEALQK.A	
				154 - 162	543.34	67	L.FSGYIETLR.R	
				409 - 417	543.8	26.3	R.LLEGQEQRL.C	Deamidated: 5
				241 - 248	554.31	49.8	R.RLYEEEIR.V	
				24 - 32	556.26	67.9	R.CCITAAPYR.G	Carbamidomethyl: 1, 2
				408 - 416	565.3	41.8	R.RLLEGQEQR.L	Deamidated: 6
				214 - 222	570.28	26.4	K.DVDCAYLRK.S	Carbamidomethyl: 4
				318 - 331	581.35	47.6	R.TKEEINELNRVIQR.L	
				202 - 212	596.81	74.9	R.ATAENEFVALK.K	
				164 - 174	597.71	68.3	R.EAECAEADSGR.L	Carbamidomethyl: 4
				10 - 20	606.24	66	R.AFSCVSACGPR.P	Carbamidomethyl: 4, 8
				318 - 327	623.32	49.7	R.TKEEINELNR.V	
				289 - 298	627.78	75.5	R.SRAEAESWYR.S	
				397 - 407	632.34	88	K.LGLDIEIATYR.R	
				323 - 327	645.35	27.1	I.NELNR.V	
				202 - 213	660.85	62	R.ATAENEFVALKK.D	
				175 - 192	698.36	34.1	R.LSSELNSLQEVLEGYKKR.R	
				433 - 446	711.79	78	R.GGVVCGDLCVSGSR.P	Carbamidomethyl: 5, 9
				125 - 136	745.91	55	R.FLEQQNKLLETK.L	
				249 - 262	755.39	49	R.VLQAHISDTSVIVK.M	
				221 - 240	783.05	67.6	L.RKSDLEANVEALIQETDFLR.R	

				417 - 432	855.35	131.8	R.LCEGVGSVNVCVSSSR.G	Carbamidomethyl: 2, 11
K86	gi|999000010	54.8	2211.1	133 - 139	406.22	56.2	R.FAAFIDK.V	
				142 - 148	453.7	36.2	R.FLEQQNK.L	
				333 - 343	467.87	55.7	R.RTKEEINELNR.V	
				413 - 424	473.95	34.5	K.LGLDIEIATYRR.L	
				258 - 264	476.25	47.7	R.LYEEEIR.V	
				154 - 160	485.26	47	K.LQFYQNR.Q	Deamidated: 6
				425 - 432	487.24	67.5	R.LLEGEEQR.L	
				7 - 15	490.26	49.1	R.ISPGYSVTR.T	
				210 - 217	504.79	52.3	R.YEEEVALR.A	
				307 - 314	506.26	55.1	R.AEAESWYR.S	
				296 - 304	524.24	43.4	K.AHYDDIASR.S	
				133 - 141	533.86	67	R.FAAFIDKVR.F	
				384 - 393	536.36	67.4	K.LAGLEEALQK.A	
				171 - 179	543.34	67	L.FSGYIETLR.R	
				425 - 433	543.8	26.3	R.LLEGEEQRL.C	
				54 - 64	545.75	85.1	R.SVSALGSCGPR.I	Carbamidomethyl: 8
				31 - 39	549.21	48.2	R.CCISAAPYR.G	Carbamidomethyl: 1, 2
				257 - 264	554.31	49.8	R.RLYEEEIR.V	
				424 - 432	565.3	41.8	R.RLLEGEEQR.L	
				230 - 238	570.28	26.4	K.DVDCAYLRK.S	Carbamidomethyl: 4
				16 - 26	577.77	31.4	R.TFSSCSAVAPK.T	Carbamidomethyl: 5
				334 - 347	581.35	47.6	R.TKEEINELNRVIQR.L	
				218 - 228	596.81	74.9	R.ATAENEFVALK.K	
				181 - 191	597.71	68.3	R.EAECAEADSGR.L	Carbamidomethyl: 4
				334 - 343	623.32	49.7	R.TKEEINELNR.V	
				305 - 314	627.78	75.5	R.SRAEAESWYR.S	
				413 - 423	632.34	88	K.LGLDIEIATYR.R	
				339 - 343	645.35	27.1	I.NELNR.V	
				218 - 229	660.85	62	R.ATAENEFVALKK.D	
				382 - 393	680.39	86.6	K.CKLAGLEEALQK.A	Carbamidomethyl: 1
				192 - 209	698.36	34.1	R.LSSELNSLQEVLEGYKKR.Y	
				142 - 153	745.91	55	R.FLEQQNKLLETK.L	
				265 - 278	755.39	49	R.VLQAHISDTSVIVK.M	
				237 - 256	783.05	67.6	L.RKSDLEANVEALIQETDFLR.R	
				433 - 448	847.39	132.1	R.LCEGVGAVNVCVSSSR.G	Carbamidomethyl: 2, 11
KAP13.1	gi|999000030	17.4	412.3	136 - 143	502.73	30	R.SSFYRPTF.F	
				136 - 144	576.31	49.6	R.SSFYRPTFF.S	
				136 - 145	619.84	28	R.SSFYRPTFFS.S	
				148 - 163	861.86	57	R.SGQSLSFQPTCGSGFY.-	Carbamidomethyl: 11
				148 - 163	862.35	58.7	R.SGQSLSFQPTCGSGFY.-	Carbamidomethyl: 11; Deamidated: 3
				20 - 36	934.38	112.7	R.YSGSSCGSSFPSNLVYR.T	Carbamidomethyl: 6
KAP19.3	gi|999000016	7.6	368.4	59 - 65	405.66	55.8	R.CPSSFGR.Y	Carbamidomethyl: 1

				13 - 24	572.81	44.7	Y.GYGGFGGLGFGR.G	
				9 - 24	767.88	99.2	S.GLGYGYGGFGGLGFGR.G	
				6 - 24	974.4	107.9	N.YYSGLGYGYGGFGGLGFGR.G	
KAP19.6	gi|999000034	7.5	283.6	13 - 24	572.81	44.7	Y.GYGGFGGLGFGR.G	
				9 - 24	767.88	99.2	G.GLGYGYGGFGGLGFGR.G	
				8 - 24	796.37	93.1	Y.GGLGYGYGGFGGLGFGR.G	
KAP6.1	gi|999000021	8.3	321.8	50 - 61	632.22	83.4	R.SLCGSGYGYGSR.S	Carbamidomethyl: 3
				36 - 49	763.76	52.2	R.LGCGYGCGYGYGSR.S	Carbamidomethyl: 3, 7
				21 - 34	770.78	78.9	G.LGCGYGSCYGSGFR.R	Carbamidomethyl: 3, 8
				20 - 34	799.3	107.3	G.GLGCGYGSCYGSGFR.R	Carbamidomethyl: 4, 9
K10	gi|999000082	56.3	434.9	210 - 217	482.27	37.3	A.RLAADDFR.M	
				160 - 166	498.25	33.4	K.IKEWYEK.H	
				305 - 315	683.29	69.4	R.SQYEQLAEKNR.R	
				422 - 432	717.88	77.4	K.IRLENEIQTYR.S	
				202 - 217	915.97	42.3	N.ILIQVDNARLAADDFR.M	Deamidated: 4
K31	gi|164652864	46.8	2449.2	224 - 229	366.17	46.8	R.VLNETR.A	
				217 - 223	407.71	32.9	A.PTVDLNR.V	
				67 - 73	412.24	44.1	R.LASYLEK.V	
				103 - 108	432.21	33.2	N.YQSYFR.T	
				230 - 241	483.9	50.6	R.AQYEALVETNRR.D	
				127 - 135	500.33	75.6	R.LVVQIDNAK.L	
				339 - 346	503.31	30.6	E.YQVLLDVR.A	
				281 - 293	507.6	65.1	N.ALEVELQAQHNLR.D	
				136 - 144	518.77	51.3	K.LAADDFRTK.Y	
				61 - 73	532.99	35.7	M.QFLNDRLASYLEK.V	
				1 - 13	544.94	31.5	-.MSFNFCLPNLSFR.S	Carbamidomethyl: 6
				232 - 240	547.79	31.6	Q.YEALVETNR.R	
				242 - 249	555.31	53.7	R.DVEEWYIR.Q	
				108 - 116	572.81	29.4	F.RTIEELQQK.I	
				335 - 348	578	44.8	R.QNQEYQVLLDVRAR.L	
				349 - 357	599.3	64.7	R.LECEINTYR.G	Carbamidomethyl: 3
				143 - 152	605.35	65.6	R.TKYETELGLR.Q	
				153 - 163	622.87	48.1	R.QLVESDINGLR.R	Deamidated: 8
				153 - 163	623.35	38.4	R.QLVESDINGLR.R	Deamidated: 1, 8
				164 - 173	630.86	48.8	R.RILDELTLCK.S	Carbamidomethyl: 9
				241 - 249	633.28	51	R.RDVEEWYIR.Q	
				230 - 240	647.33	90.4	R.AQYEALVETNR.R	
				277 - 293	664.7	60.2	R.RTVNALEVELQAQHNLR.D	Deamidated: 4
				277 - 293	664.72	39.4	R.RTVNALEVELQAQHNLR.D	Deamidated: 11
				153 - 164	700.38	44	R.QLVESDINGLRR.I	
				347 - 357	712.82	61.5	R.ARLECEINTYR.G	Carbamidomethyl:

								5
				230 - 241	725.87	43.2	R.AQYEALVETNRR.D	Deamidated: 10
				76 - 87	737.89	37.2	R.QLERENAELESR.I	Deamidated: 6
				294 - 306	739.84	99.5	R.DSLENTLTETEAR.Y	
				294 - 306	740.32	87.9	R.DSLENTLTETEAR.Y	Deamidated: 5
				335 - 346	752.9	100.1	R.QNQEYQVLLDVR.A	
				335 - 346	753.4	80.9	R.QNQEYQVLLDVR.A	Deamidated: 3
				203 - 223	761.39	69.8	R.SQLGDRLNVEVDAAPTVDLNR.V	
				209 - 223	813.38	91.9	R.LNVEVDAAPTVDLNR.V	
				209 - 223	813.89	50.1	R.LNVEVDAAPTVDLNR.V	Deamidated: 2
				209 - 223	813.9	52.4	R.LNVEVDAAPTVDLNR.V	Deamidated: 14
				59 - 73	914.97	58.9	E.TMQFLNDRLASYLEK.V	
				278 - 293	917.93	119.8	R.TVNALEVELQAQHNLR.D	
				92 - 108	1072.52	69.8	R.SQQQEPLVCPNYQSYFR.T	Carbamidomethyl: 9
K34	gi|309323371	46.6	2468.8	152 - 160	351.5	44.4	K.LASDDFRTK.Y	
				240 - 245	366.17	46.8	R.VLNETR.A	
				233 - 239	407.71	32.9	A.PTVDLNR.V	
				83 - 89	412.24	44.1	R.LASYLEK.V	
				119 - 124	432.21	33.2	N.YQSYFR.T	
				208 - 218	442.9	71.8	K.KNHEEEANSLR.S	
				159 - 165	456.68	39	R.TKYESER.S	
				246 - 257	483.9	50.6	R.AQYEALVETNRR.D	
				143 - 151	507.32	73.1	R.LVIQIDNAK.L	
				297 - 309	507.6	65.1	N.ALEVELQAQHNLR.D	
				77 - 89	532.99	35.7	M.QFLNDRLASYLEK.V	
				248 - 256	547.79	31.6	Q.YEALVETNR.R	
				258 - 265	555.31	53.7	R.DVEEWYIR.Q	
				365 - 373	562.78	63.4	R.LESEINTYR.G	
				365 - 373	563.28	36.9	R.LESEINTYR.G	Deamidated: 6
				124 - 132	572.81	29.4	F.RTIEELQQK.I	
				166 - 180	596.34	30.5	R.SLRQLVESDINSLRR.I	Deamidated: 11
				180 - 189	630.86	48.8	R.RILDELTLCK.S	Carbamidomethyl: 9
				257 - 265	633.28	51	R.RDVEEWYIR.Q	
				169 - 179	637.38	56.2	R.QLVESDINSLR.R	
				169 - 179	637.86	42.9	R.QLVESDINSLR.R	Deamidated: 8
				246 - 256	647.33	90.4	R.AQYEALVETNR.R	
				293 - 309	664.7	60.2	R.RTVNALEVELQAQHNLR.D	Deamidated: 4
				293 - 309	664.72	39.4	R.RTVNALEVELQAQHNLR.D	Deamidated: 11
				363 - 373	676.32	65.2	K.ARLESEINTYR.G	
				246 - 257	725.87	43.2	R.AQYEALVETNRR.D	Deamidated: 10
				92 - 103	737.89	37.2	R.QLERENAELESR.I	Deamidated: 6
				310 - 322	739.84	99.5	R.DSLENTLTETEAR.Y	
				310 - 322	740.32	87.9	R.DSLENTLTETEAR.Y	Deamidated: 5
				219 - 239	761.39	69.8	R.SQLGDRLNVEVDAAPTVDLNR.V	

				138 - 151	793.87	53.4	K.SENSRLVIQIDNAK.L	
				225 - 239	813.38	91.9	R.LNVEVDAAPTVDLNR.V	
				225 - 239	813.89	50.1	R.LNVEVDAAPTVDLNR.V	Deamidated: 2
				225 - 239	813.9	52.4	R.LNVEVDAAPTVDLNR.V	Deamidated: 14
				166 - 179	815.47	62.6	R.SLRQLVESDINSLR.R	
				351 - 364	852.45	66.9	R.QNQEYQVLLDVKAR.L	
				75 - 89	914.97	58.9	E.TMQFLNDRLASYLEK.V	
				294 - 309	917.93	119.8	R.TVNALEVELQAQHNLR.D	
				108 - 124	1079.52	83.8	R.SQQQEPLLCPNYQSYFR.T	Carbamidomethyl: 9
K6A	gi|999000076	57.5	299.4	182 - 188	453.7	36.2	R.FLEQQNK.V	
				315 - 325	618.77	28.6	D.TSVVLSMDNNR.N	Deamidated: 10
				326 - 337	665.42	63.4	R.NLDLDSIIAEVK.A	
K75	gi|999000081	58.8	397.5	164 - 170	453.7	36.2	R.FLEQQNK.V	
				242 - 252	596.81	74.9	R.TAAENEFVALK.N	
				297 - 307	618.77	28.6	D.TSVVLSMDNNR.S	Deamidated: 10
				308 - 319	651.92	97.9	R.SLDLDSIIAEVK.A	
K83	gi|312283588	53.9	2528.1	122 - 128	406.22	56.2	R.FAAFIDK.V	
				45 - 53	426.25	57.8	R.GLTGGFGSR.S	
				220 - 226	441.72	48.2	D.VDCAYVR.K	Carbamidomethyl: 3
				131 - 137	453.7	36.2	R.FLEQQNK.L	
				322 - 332	467.87	55.7	R.RTKEEINELNR.V	
				402 - 413	473.95	34.5	K.LGLDIEIATYRR.L	
				247 - 253	476.25	47.7	R.LYEEEIR.V	
				414 - 421	487.24	67.5	R.LLEGEEQR.L	
				199 - 206	504.79	52.3	K.YEEEVALR.A	
				296 - 303	506.26	55.1	R.AEAESWYR.S	
				285 - 293	519.77	33.7	K.AQYDDIASR.S	
				122 - 130	533.86	67	R.FAAFIDKVR.F	
				373 - 382	536.36	67.4	K.LAGLEEALQK.A	
				414 - 422	543.8	26.3	R.LLEGEEQRL.C	
				246 - 253	554.31	49.8	R.RLYEEEIR.V	
				30 - 38	556.26	67.9	R.CCITAAPYR.G	Carbamidomethyl: 1, 2
				413 - 421	565.3	41.8	R.RLLEGEEQR.L	
				198 - 206	568.79	60.4	K.KYEEEVALR.A	
				4 - 15	579.78	58.2	C.GFSTVGSGFGSR.A	
				323 - 336	581.35	47.6	R.TKEEINELNRVIQR.L	
				207 - 217	596.81	74.9	R.ATAENEFVALK.K	
				16 - 26	606.24	66	R.AFSCVSACGPR.P	Carbamidomethyl: 4, 8
				170 - 180	611.72	66.5	R.EAECVEADSGR.L	Carbamidomethyl: 4
				323 - 332	623.32	49.7	R.TKEEINELNR.V	
				294 - 303	627.78	75.5	R.SRAEAESWYR.S	
				402 - 412	632.34	88	K.LGLDIEIATYR.R	
				328 - 332	645.35	27.1	I.NELNR.V	
				207 - 218	660.85	62	R.ATAENEFVALKK.D	
				371 - 382	680.39	86.6	R.CKLAGLEEALQK.A	Carbamidomethyl:

								1
				2 - 15	710.3	92	M.TCGFSTVGSGFGSR.A	Carbamidomethyl: 2
				438 - 451	711.79	78	R.GGVVCGDLCVSGSR.P	Carbamidomethyl: 5, 9
				254 - 267	743.91	113.2	R.VLQANISDTSVIVK.M	
				131 - 142	745.91	55	R.FLEQQNKLLETK.L	
				349 - 370	776.76	33.9	N.SKLEAAVTQAEQQGEVALNDAR.C	
				349 - 370	777.05	35.5	N.SKLEAAVTQAEQQGEVALNDAR.C	Deamidated: 19
				422 - 437	847.39	132.1	R.LCEGVGAVNVCVSSSR.G	Carbamidomethyl: 2, 11
KAP24.1	gi|400531466	27.8	390.4	187 - 194	521.2	52.1	R.YITNSCQR.Q	Carbamidomethyl: 6
				237 - 246	608.29	45.9	R.YLYGGYRPLN.C	
				201 - 210	681.73	30.8	R.NSQCPYDWHR.R	Carbamidomethyl: 4
				201 - 210	682.24	30.7	R.NSQCPYDWHR.R	Carbamidomethyl: 4; Deamidated: 1
				224 - 236	694.38	80	R.SLSSIPSSFPPLR.Y	
				171 - 186	866.4	108	R.SYQDLGFIPSGFSASR.Y	
				221 - 236	903.45	43	R.NFRSLSSIPSSFPPLR.Y	Deamidated: 1
Plakophilin 3 Partial	gi|999000068	25.2	205.8	68 - 74	394.72	37.1	R.WAGVLSR.L	
				82 - 89	477.32	64.4	R.ILNPLLDR.V	
				164 - 172	556.33	46	R.DLLYFDGLR.K	
				138 - 163	876.19	41	K.SPPADVLINIIAVLNNLVVASPVAAR.D	
PREDICTED: desmoglein-4	gi|426253981	113.8	620.7	379 - 385	414.26	32.5	R.IQVVNVR.E	
				379 - 385	414.74	30.6	R.IQVVNVR.E	Deamidated: 5
				225 - 232	460.25	25.4	R.TTSNLLDR.E	
				448 - 455	469.27	72.1	R.TGEIQFSR.E	
				386 - 400	559.93	26.2	R.EGPAFHPNSMTFSVR.E	Deamidated: 8
				1,037 - 1,045	570.26	44.1	R.YSNIHYSQQ.-	
				139 - 149	663.83	25.2	R.GEDLERPLELR.V	
				583 - 593	671.37	60.3	R.ACELPQIIELR.A	Carbamidomethyl: 2
				1,019 - 1,031	675.8	68.5	R.ISQTSSTSPVTSR.H	
				92 - 110	677.35	70.9	R.ISGAGIDRPPYGVFTINPR.T	
				123 - 133	712.89	49.5	R.EITPLFLIYCR.A	Carbamidomethyl: 10
				116 - 133	732.42	32.8	N.ITSVVDREITPLFLIYCR.A	Carbamidomethyl: 17
PREDICTED: desmoplakin	gi|426251400	331	664.3	2,570 - 2,575	350.71	36.7	R.VVLVDR.K	
				1,229 - 1,237	507.82	38.8	R.VLLQEEGAR.K	
				2,705 - 2,714	516.31	59.9	R.GIVDSISGQR.L	

				1,807 - 1,815	530.78	41.7	R.SQLQISNNR.T	Deamidated: 7
				195 - 203	579.85	52.7	R.LLQLQEQMR.A	
				324 - 334	636.35	75.9	R.QLQNIIQATSR.E	
				2,791 - 2,809	1084.52	57.1	R.FLEFQYLTGGLVDPEVQGR.I	
PREDICTED: junction plakoglobin	gi|426238025	81.7	657	541 - 555	533.89	48.6	R.HVAAGTQQPYTDGVR.M	
				368 - 377	651.87	62.5	R.LVQNCLWTLR.N	Carbamidomethyl: 5
				368 - 377	652.35	32.2	R.LVQNCLWTLR.N	Carbamidomethyl: 5; Deamidated: 4
				178 - 191	706.41	107.6	R.ALMGSPQLVAAVVR.T	
				178 - 191	714.39	94.6	R.ALMGSPQLVAAVVR.T	Oxidation: 3
				507 - 526	719.71	29.8	R.NLALCPANHAPLQEAAVIPR.L	Carbamidomethyl: 5; Deamidated: 1, 8
				638 - 651	742.37	96.8	R.NEGTATYAAAVLFR.I	
				638 - 651	742.88	43	R.NEGTATYAAAVLFR.I	Deamidated: 1
PREDICTED: KAP13.1-like	gi|426219157	19.6	267.3	128 - 137	551.69	52.4	R.SCYSVGCGGR.G	Carbamidomethyl: 2, 7
				142 - 160	1017.41	87.9	R.LGYGICGFPVLSSGSGFCR.P	Carbamidomethyl: 6, 18
				97 - 115	1054.45	99.4	R.TSTFSSPCQTTFPGSLAYR.S	Carbamidomethyl: 8
PREDICTED: KAP16.1-like	gi|426239028	82.3	241.2	704 - 710	448.29	36.4	R.PFYSILR.R	
				699 - 710	514.97	30.6	R.PACYRPFYSILR.R	Carbamidomethyl: 3
				27 - 36	566.78	29.9	R.GPVCLPSSCR.S	Carbamidomethyl: 4, 9
				689 - 698	614.34	46.9	R.QPYLTSISYR.P	
				555 - 565	666.35	45.8	R.VSLVCEPICVR.P	Carbamidomethyl: 5, 9
PREDICTED: K32	gi|426238005	46	675.5	239 - 246	541.28	53.5	R.DVEEWFTR.Q	
				229 - 237	547.79	31.6	R.YEALVETNR.R	
				346 - 354	554.8	56.2	R.LEAEINTYR.G	
				140 - 149	598.29	56.6	R.SKYETELGLR.Q	
				161 - 170	630.86	48.8	R.RILDELTLCK.A	Carbamidomethyl: 9
				344 - 354	668.34	63.1	R.ARLEAEINTYR.G	
				291 - 303	739.84	99.5	R.DSLENTLTETEAR.Y	
				291 - 303	740.32	87.9	R.DSLENTLTETEAR.Y	Deamidated: 5
				303 - 326	907.8	28	A.RYASQLAQMQGLVTNVESQLAEIR.C	Oxidation: 9
PREDICTED: K36	gi|426238007	51.3	603.7	104 - 110	412.24	44.1	R.LASYLEK.V	
				164 - 172	507.32	73.1	R.LVLQIDNAK.L	
				173 - 181	518.77	51.3	K.LAADDFRTK.Y	

				98 - 110	532.99	35.7	M.QFLNDRLASYLEK.V	
				201 - 210	630.86	48.8	R.RILDELTLCK.A	Carbamidomethyl: 9
				39 - 53	673.33	50.4	R.GPSLAGVSGSASSIR.L	
				113 - 124	737.89	37.2	R.QLERENAELESR.I	Deamidated: 6
				372 - 385	852.45	66.9	R.QNQEYQVLLDVKAR.L	
				96 - 110	914.97	58.9	E.TMQFLNDRLASYLEK.V	
PREDICTED: K20	gi|426237957	48.3	203.7	81 - 89	553.82	65.6	R.LASYLERVR.S	
				329 - 348	782.77	25.3	I.QAQLNLLEGQLVQVRMDTER.Q	Deamidated: 1, 3, 5, 10, 13
PREDICTED: K82	gi|426224444	56.7	978.2	138 - 144	453.7	36.2	R.FLEQKNK.L	
				409 - 420	473.95	34.5	K.LGLDIEIATYRR.L	
				27 - 39	482.54	52.2	R.VVTHYAASQGPCR.T	Carbamidomethyl: 12
				421 - 428	487.24	67.5	R.LLEGEEQR.L	
				71 - 79	513.77	37.8	R.CGLPGFGYR.A	Carbamidomethyl: 1
				380 - 389	536.36	67.4	K.LAGLEEALQK.A	
				421 - 429	543.8	26.3	R.LLEGEEQRL.C	
				420 - 428	565.3	41.8	R.RLLEGEEQR.L	
				16 - 26	605.8	75.2	R.SFSSCSAVLPR.V	Carbamidomethyl: 5
				409 - 419	632.34	88	K.LGLDIEIATYR.R	
				378 - 389	680.39	86.6	K.CKLAGLEEALQK.A	Carbamidomethyl: 1
				138 - 149	745.91	55	R.FLEQKNKLLETK.W	
				48 - 64	910.44	96.3	R.ALGCLGSWSLCNVGLGR.P	Carbamidomethyl: 4, 11
PREDICTED: K84	gi|426224440	64.1	799.2	177 - 183	453.7	36.2	R.FLEQQNK.L	
				371 - 378	501.78	50.1	R.DEINELNR.L	
				54 - 64	598.79	71.6	R.SVISFGSCSPR.I	Carbamidomethyl: 8
				357 - 367	635.73	56.7	R.VTAGQHCDNLR.N	Carbamidomethyl: 7
				448 - 458	639.39	53.8	K.LALDIEIATYR.R	
				374 - 378	645.35	27.1	I.NELNR.L	
				368 - 378	687.35	33.9	R.NTRDEINELNR.L	
				502 - 516	710.86	96.6	R.GGVTVSGISSSSNIR.S	
				177 - 188	745.91	55	R.FLEQQNKLLETK.W	
				103 - 117	827.85	94.7	R.SGLSYGFCSPGFGYR.V	Carbamidomethyl: 8
PREDICTED: K85	gi|426226634	56.3	673	149 - 155	406.22	56.2	R.FAAFIDK.V	
				158 - 164	453.7	36.2	R.FLEQQNK.L	
				349 - 359	467.87	55.7	R.RTKEEINELNR.V	
				72 - 80	473.74	38.9	R.SLCAVGSPR.I	Carbamidomethyl: 3
				170 - 176	485.26	47	K.LQFYQNR.Q	Deamidated: 6
				149 - 157	533.86	67	R.FAAFIDKVR.F	

				350 - 363	581.35	47.6	R.TKEEINELNRVIQR.L	
				81 - 90	596.35	60.8	R.ISVSYAWPLR.G	
				350 - 359	623.32	49.7	R.TKEEINELNR.V	
				355 - 359	645.35	27.1	I.NELNR.V	
				45 - 58	694.82	55.3	R.GFANGLAFHGGSPR.G	Deamidated: 4
				158 - 169	745.91	55	R.FLEQQNKLLETK.L	
PREDICTED: K1b	gi|426224420	60.9	289	192 - 198	453.7	36.2	R.FLEQQNQ.V	
				369 - 378	590.3	54.4	K.YQELQITAGR.H	Deamidated: 2
				192 - 203	738.37	62.1	R.FLEQQNQVLQTK.W	
PREDICTED: plakophilin-3	gi|426252688	76.9	306.6	139 - 144	378.7	32	X.AFAYER.R	
				559 - 565	394.72	37.1	R.WAGVLSR.L	
				573 - 580	477.32	64.4	R.ILNPLLDR.V	
				409 - 418	517.77	61.9	R.NLSSASQATR.Q	
				189 - 204	710.86	57.8	R.GVAGGGPGGIPEPVTR.A	
K33a	gi|125091	46	2188.4	136 - 144	351.5	44.4	K.LASDDFRTK.Y	
				224 - 229	366.17	46.8	H.VLNETR.A	
				67 - 73	412.24	44.1	R.LASYLEK.V	
				103 - 108	432.21	33.2	N.YQSYFR.T	
				230 - 241	483.9	50.6	R.AQYEALVETNRR.D	
				127 - 135	500.33	75.6	R.LVVQIDNAK.L	
				339 - 346	503.31	30.6	E.YQVLLDVR.A	
				281 - 293	507.6	65.1	N.ALEVELQAQHNLR.D	
				61 - 73	532.99	35.7	M.QFLNDRLASYLEK.V	
				1 - 13	544.94	31.5	-.MSFNFCLPNLSFR.S	Carbamidomethyl: 6
				232 - 240	547.79	31.6	Q.YEALVETNR.R	
				242 - 249	555.31	53.7	R.DVEEWYIR.Q	
				108 - 116	572.81	29.4	F.RTIEELQQK.I	
				335 - 348	578	44.8	R.QNQEYQVLLDVRAR.L	
				349 - 357	599.3	64.7	R.LECEINTYR.G	Carbamidomethyl: 3
				143 - 152	613.31	70.7	R.TKYETEVSLR.Q	
				153 - 163	614.39	65.1	R.QLVEADLNGLR.R	
				164 - 173	630.86	48.8	R.RILDELTLCK.S	Carbamidomethyl: 9
				241 - 249	633.28	51	R.RDVEEWYIR.Q	
				230 - 240	647.33	90.4	R.AQYEALVETNR.R	
				277 - 293	664.7	60.2	R.RTVNALEVELQAQHNLR.D	Deamidated: 4
				277 - 293	664.72	39.4	R.RTVNALEVELQAQHNLR.D	Deamidated: 11
				153 - 164	692.39	30.4	R.QLVEADLNGLRR.I	
				347 - 357	712.82	61.5	R.ARLECEINTYR.G	Carbamidomethyl: 5
				230 - 241	725.87	43.2	R.AQYEALVETNRR.D	Deamidated: 10
				294 - 306	739.84	99.5	R.DSLENTLTETEAR.Y	
				294 - 306	740.32	87.9	R.DSLENTLTETEAR.Y	Deamidated: 5
				335 - 346	752.9	100.1	R.QNQEYQVLLDVR.A	

				335 - 346	753.4	80.9	R.QNQEYQVLLDVR.A	Deamidated: 3
				215 - 229	825.42	103.6	D.AAPTVDLNHVLNETR.A	
				307 - 329	888.78	31.2	R.YSCQLNQVQSLIVSVESQLAEIR.S	Carbamidomethyl: 3
				59 - 73	914.97	58.9	E.TMQFLNDRLASYLEK.V	
				278 - 293	917.93	119.8	R.TVNALEVELQAQHNLR.D	
				92 - 108	1072.52	69.8	R.SQQQEPLVCPNYQSYFR.T	Carbamidomethyl: 9
K85	gi|246276	56.3	2037.6	133 - 139	406.22	56.2	R.FAAFIDK.V	
				142 - 148	453.7	36.2	R.FLEQQNK.L	
				333 - 343	467.87	55.7	R.RTKEEINELNR.V	
				413 - 424	473.95	34.5	K.LGLDIEIATYRR.L	
				425 - 432	487.24	67.5	R.LLEGEEQR.L	
				7 - 15	490.26	49.1	R.ISPGYSVTR.T	
				210 - 217	504.79	52.3	K.YEEEVALR.A	
				307 - 314	506.26	55.1	R.AEAESWYR.S	
				296 - 304	519.77	33.7	K.AQYDDIASR.S	
				489 - 498	523.17	36.9	R.ASSFSCGSSR.S	Carbamidomethyl: 6
				133 - 141	533.86	67	R.FAAFIDKVR.F	
				384 - 393	536.36	67.4	K.LAGLEEALQK.A	
				425 - 433	543.8	26.3	R.LLEGEEQRL.C	
				54 - 64	545.75	85.1	R.SVSALGSCGPR.I	Carbamidomethyl: 8
				31 - 39	549.21	48.2	R.CCISAAPYR.G	Carbamidomethyl: 1, 2
				424 - 432	565.3	41.8	R.RLLEGEEQR.L	
				209 - 217	568.79	60.4	K.KYEEEVALR.A	
				230 - 238	570.28	26.4	K.DVDCAYLRK.S	Carbamidomethyl: 4
				16 - 26	577.77	31.4	R.TFSSCSAVAPK.T	Carbamidomethyl: 5
				334 - 347	581.35	47.6	R.TKEEINELNRVIQR.L	
				181 - 191	600.23	31.5	R.EAEHVEADSGR.L	
				334 - 343	623.32	49.7	R.TKEEINELNR.V	
				305 - 314	627.78	75.5	R.SRAEAESWYR.S	
				413 - 423	632.34	88	K.LGLDIEIATYR.R	
				382 - 393	643.88	106	R.SKLAGLEEALQK.A	
				339 - 343	645.35	27.1	I.NELNR.V	
				142 - 153	745.91	55	R.FLEQQNKLLETK.W	
				449 - 464	757.32	98	R.GGVACGGLTYSSTAGR.Q	Carbamidomethyl: 5
				465 - 488	794.71	79.9	R.QIASGPVATGGSITVLAPDSCQPR.A	Carbamidomethyl: 21
				433 - 448	855.35	131.8	R.LCEGVGSVNVCVSSSR.G	Carbamidomethyl: 2, 11
				465 - 488	1192.07	63.6	R.QIASGPVATGGSITVLAPDSCQPR.A	Carbamidomethyl: 21; Deamidated: 1