

## Přílohy

### Příloha 1. Aminokyselinová sekvence vimentinu Y400L

MATRSVSSSSYRRMFGGPGTASRPSSRSYVTTSTRTYSLGSALRPSTSRSLYASSPGG  
 VYATRSSAVRLRSSVPGVRLQLQDSVDFSLADAINTEFKNTRTNEKVELQELNDRFANYI  
 DKVRFLEQQNKILLAELEQLKGQGSRLGDLYEEMRELRRQVDQLTNDKARVEVERDN  
 LAEDIMRLREKLQEEMLQREEAENTLQSFQDQVDNASLARLDLKERKVESLQEEIAFLKK  
 LHEEEIQELQAQIQEQHVQIDVDVSKPDLTAALRDVRRQYQYESVAAKNLQEAEEWYKSKF  
 ADLSEAANRNNDALRQAKQESTEYRRQVQSLTCEVDALKGTNESLERQMREMEENFAVE  
 AANYQDTIGRLQDEIQNMKEEMARHLREYQDLLNVKMALDIEIATLRKLLLEGEESRISL  
 PLPNFSSLNLRETNLDSLPLVDTHSKRTLLIKTVETRDGQVINETSQHHDDLE

**Příloha 2.** Seznam produktů chemického sítění směsi vimentinových tetramerů (<sup>14</sup>N a <sup>15</sup>N) s výsledky kvantifikace zastoupení INTER- a INTRA-dimerního sítění (%). Dále je v tabulce uvedena směrodatná odchylka (SD) pro výsledky kvantifikace.

ID produktu	Číslo	Spojené peptidy (A-B)	Pozice spojených peptidů [A] - [B]	INTER (%)	INTRA (%)	SD (%)
1	DSG	QAKQESTEYRR - QAKQESTEYRR	(311, 321) [A] - (311, 321) [B]	92	8	5
2	EDC	LLEGEESR - DGQVINETSQHHDDLE	(403, 410) [A] - (451, 466) [B]	62	38	5
3	EDC	LLQDSVDFSLADAINTEFK - NLQEAEEWYKSK	(79, 97) [A] - (283, 294) [B]	28	72	3
4	DSS	FANYIDKVR - FANYIDKVR	(114, 122) [A] - (114, 122) [B]	18	82	0
5	EDC	LLQDSVDFSLADAINTEFKNTR - NLQEAEEWYK	(79, 100) [A] - (283, 292) [B]	18	82	1
6	DSS	FANYIDKVR - ILLAELEQLKGQGK	(114, 122) [A] - (130, 143) [B]	12	88	0
7	DSG	TNEKVELQELNDR - QAKQESTEYRR	(101, 113) [A] - (311, 321) [B]	8	92	1
8	EDC	LLEGEESR - ETNLDSLPLVDTHSKR	(403, 410) [A] - (425, 440) [B]	7	93	0
9	DSS	FANYIDKVR - QQYESVAAKNLQEAEEWYK	(114, 122) [A] - (274, 292) [B]	7	93	1
10	DSG	FANYIDKVR - QAKQESTEYRR	(114, 122) [A] - (311, 321) [B]	7	93	1
11	DSS	LLQDSVDFSLADAINTEFKNTR - NLQEAEEWYKSK	(79, 100) [A] - (283, 294) [B]	7	94	1
12	DSG	SKFADLSEAANR - SKFADLSEAANR	(293, 304) [A] - (293, 304) [B]	6	94	1
13	EDC	NLQEAEEWYK - NLQEAEEWYK	(283, 292) [A] - (283, 292) [B]	5	95	0
14	DSS	ETNLDSLPLVDTHSKR - ETNLDSLPLVDTHSKR	(425, 440) [A] - (425, 440) [B]	4	96	0
15	EDC	TLLIKTVETR - DGQVINETSQHHDDLE	(441, 450) [A] - (451, 466) [B]	4	96	0
16	DSS	TNEKVELQELNDR - TNEKVELQELNDR	(101, 113) [A] - (101, 113) [B]	3	97	0
17	DSG	NLQEAEEWYKSK - SKFADLSEAANR	(283, 294) [A] - (293, 304) [B]	3	97	0
18	DSG	FANYIDKVR - FLEQQNKILLAELEQLKGQGK	(114, 122) [A] - (123, 143) [B]	3	97	0
19	DSG	NLQEAEEWYKSK - SKFADLSEAANRNNDALR	(283, 294) [A] - (293, 310) [B]	3	97	0
20	DSS	KVESLQEEIAFLKK - KVESLQEEIAFLKK	(223, 236) [A] - (223, 236) [B]	3	97	0
21	DSS	KVESLQEEIAFLK - KVESLQEEIAFLKK	(223, 235) [A] - (223, 236) [B]	2	98	0
22	DSS	KLLEGEESR - ETNLDSLPLVDTHSKR	(402, 410) [A] - (425, 440) [B]	2	98	1

**Příloha 3.** Seznam unikátních peptidových spojení získaných pomocí chemického sítění  $^{14}\text{N}/^{15}\text{N}$  ULF podjednotek vimentinu identifikovaných LC-MS analýzou a výsledky kvantifikace zastoupení INTER- a INTRA-tetramerního sítění (%). Dále je v tabulce uvedena směrodatná odchylka (SD) pro výsledky kvantifikace. Spojené peptidy pocházející z rozhraní tetramer-tetramer jsou vyznačeny zelenou barvou. Pro peptidová spojení ID 77-83 nejsou uvedeny výsledky kvantifikace, jelikož intenzita jednotlivých peptidových forem ( $^{14}\text{N}/^{14}\text{N}$ ,  $^{14}\text{N}/^{15}\text{N}$ ,  $^{15}\text{N}/^{14}\text{N}$ ,  $^{15}\text{N}/^{15}\text{N}$ ) v hmotnostním spektru byla pro provedení kvantifikace příliš nízká.

ID produktu	Činidlo	Spojené peptidy (A-B)	Pozice spojených peptidů [A] - [B]	INTER (%)	INTRA (%)	SD (%)
1	DSG, DSS	SKFADLSEAA NR - KLEGEESR	(293, 304) [A] - (402, 410) [B]	116	0	14
2	DSG, DSS	TNEKVELQELNDR - SKFADLSEAA NR	(101, 113) [A] - (293, 304) [B]	114	0	11
3	DSG	TNEKVELQELNDRFANYIDKVR - QQYESVAAKNLQEAEEWYK	(101, 122) [A] - (274, 292) [B]	106	0	15
4	DSG	LLQDSVDFSLADAINTEFKNTR - NLQEAEEWYKSK	(79, 100) [A] - (283, 294) [B]	103	0	2
5	DSS	SKFADLSEAA NR - DGQVINETSQHDDLE	(293, 304) [A] - (451, 466) [B]	103	0	11
6	DSG, DSS	QAKQESTEYRR - TLLIKTVETR	(311, 321) [A] - (441, 450) [B]	103	0	5
7	EDC	LLQDSVDFSLADAINTEFK - SKFADLSEAA NR	(79, 97) [A] - (293, 304) [B]	103	0	4
8	DSG, DSS	FANYIDKVR - QQYESVAAKNLQEAEEWYK	(114, 122) [A] - (274, 292) [B]	101	0	1
9	EDC	LLQDSVDFSLADAINTEFKNTR - FADLSEAA NR	(79, 100) [A] - (295, 304) [B]	101	0	8
10	DSS	EKLQEEMLQREEAENTLQSFRRQDVNDSLAR - QAKQESTEYRR	(187, 217) [A] - (311, 321) [B]	100	0	8
11	DSG, DSS	FANYIDKVR - FANYIDKVR	(114, 122) [A] - (114, 122) [B]	99	1	2
12	DSS, DSG	TNEKVELQELNDR - QAKQESTEYRR	(101, 113) [A] - (311, 321) [B]	99	1	4
13	EDC	LLQDSVDFSLADAINTEFK - NLQEAEEWYKSK	(79, 97) [A] - (283, 294) [B]	98	2	2
14	DSS	TNEKVELQELNDR - SKFADLSEAA NRNDALR	(101, 113) [A] - (293, 310) [B]	98	2	15
15	DSS, DSG	LLQDSVDFSLADAINTEFKNTR - SKFADLSEAA NR	(79, 100) [A] - (293, 304) [B]	97	3	2
16	EDC, DSG	TNEKVELQELNDR - QQYESVAAKNLQEAEEWYK	(101, 113) [A] - (274, 292) [B]	97	4	1
17	EDC	EEAENTLQSF - EYQDLLNVK	(197, 207) [A] - (382, 390) [B]	95	5	7
18	EDC	LLQDSVDFSLADAINTEFKNTR - NLQEAEEWYK	(79, 100) [A] - (283, 292) [B]	95	5	3
19	DSG, DSS	QAKQESTEYRR - KLEGEESR	(311, 321) [A] - (402, 410) [B]	94	6	10
20	DSG	LLQDSVDFSLADAINTEFKNTR - QAKQESTEYR	(79, 100) [A] - (311, 320) [B]	94	6	4
21	DSS	QQVSLTCEVDALKGTNESLER - TLLIKTVETR	(322, 342) [A] - (441, 450) [B]	94	6	3
22	DSS	ILLAELEQLKGQK - QQYESVAAKNLQEAEEWYK	(130, 143) [A] - (274, 292) [B]	94	6	0
23	DSS, DSG	FANYIDKVR - SKFADLSEAA NR	(114, 122) [A] - (293, 304) [B]	93	7	2
24	DSS, DSG	SKFADLSEAA NR - ETNLDLPLVDTHSKR	(293, 304) [A] - (425, 440) [B]	93	7	1
25	EDC	LLQDSVDFSLADAINTEFKNTR - EEAENTLQSF	(79, 100) [A] - (197, 207) [B]	93	7	2
26	DSG	FANYIDKVR - QAKQESTEYRR	(114, 122) [A] - (311, 321) [B]	92	8	4
27	DSS	QQYESVAAKNLQEAEEWYK - KLEGEESR	(274, 292) [A] - (402, 410) [B]	91	9	4
28	DSS	QQVSLTCEVDALKGTNESLER - ETNLDLPLVDTHSKR	(322, 342) [A] - (425, 440) [B]	91	9	9
29	DSG	FANYIDKVR - TLLIKTVETR	(114, 122) [A] - (441, 450) [B]	89	11	7
30	DSS, DSG	FANYIDKVR - NLQEAEEWYKSK	(114, 122) [A] - (283, 294) [B]	88	12	2
31	DSG, DSS	QAKQESTEYRR - QAKQESTEYRR	(311, 321) [A] - (311, 321) [B]	87	13	6
32	DSS	LLQDSVDFSLADAINTEFKNTR - KLEGEESR	(79, 100) [A] - (402, 410) [B]	86	14	1
33	DSS	FANYIDKVR - VESLQEEIAFLK	(114, 122) [A] - (224, 236) [B]	85	15	3
34	DSS	FANYIDKVR - KVESLQEEIAFLK	(114, 122) [A] - (223, 235) [B]	84	16	3
35	DSS, DSG	QAKQESTEYRR - DGQVINETSQHDDLE	(311, 321) [A] - (451, 466) [B]	83	17	6
36	DSG, DSS	QAKQESTEYRR - ETNLDLPLVDTHSKR	(311, 321) [A] - (425, 440) [B]	82	18	6
37	DSG	FANYIDKVR - QQVSLTCEVDALKGTNESLER	(114, 122) [A] - (322, 342) [B]	82	18	11
38	DSS	SKFADLSEAA NR - TLLIKTVETR	(293, 304) [A] - (441, 450) [B]	82	18	9
39	DSG	QAKQESTEYRR - QQVSLTCEVDALKGTNESLER	(311, 321) [A] - (322, 342) [B]	77	23	8
40	DSS, DSG	TNEKVELQELNDR - KLEGEESR	(101, 113) [A] - (402, 410) [B]	72	28	4
41	EDC	LLQDSVDFSLADAINTEFKNTR - DNLAEDIMR	(79, 100) [A] - (176, 184) [B]	70	30	1
42	EDC	TNEK - QQYESVAAKNLQEAEEWYK	(101, 104) [A] - (274, 292) [B]	64	36	0
43	DSG, DSS	QQYESVAAKNLQEAEEWYK - QAKQESTEYRR	(274, 292) [A] - (311, 321) [B]	63	37	2
44	DSG	FANYIDKVR - ILLAELEQLKGQK	(114, 122) [A] - (130, 143) [B]	61	39	12
45	EDC	ILLAELEQLKGQK - EEAENTLQSF	(130, 143) [A] - (197, 207) [B]	60	40	0
46	DSG	SVSSSSYR - FANYIDKVR	(5, 12) [A] - (114, 122) [B]	60	40	3
47	EDC	LLQDSVDFSLADAINTEFK - ILLAELEQLKGQK	(79, 97) [A] - (130, 143) [B]	52	48	3
48	DSG, DSS	SKFADLSEAA NR - QAKQESTEYRR	(293, 304) [A] - (311, 321) [B]	49	51	1
49	DSG	SKFADLSEAA NR - SKFADLSEAA NR	(293, 304) [A] - (293, 304) [B]	48	52	1
50	DSS, DSG	TLLIKTVETR - TLLIKTVETR	(441, 450) [A] - (441, 450) [B]	47	53	2
51	DSS	SKFADLSEAA NR - SKFADLSEAA NRNDALR	(293, 304) [A] - (293, 310) [B]	44	56	7
52	DSS	SLYASSPGGVYATR - ILLAELEQLKGQK	(51, 64) [A] - (130, 143) [B]	42	58	1
53	DSG	ETNLDLPLVDTHSKR - ETNLDLPLVDTHSKR	(425, 440) [A] - (425, 440) [B]	31	69	1
54	DSG, DSS	LLQDSVDFSLADAINTEFKNTR - FANYIDKVR	(79, 100) [A] - (114, 122) [B]	31	69	1
55	DSG	TNEKVELQELNDR - TNEKVELQELNDR	(101, 113) [A] - (101, 113) [B]	28	72	3
56	DSS	SLYASSPGGVYATR - FANYIDKVR	(51, 64) [A] - (114, 122) [B]	26	74	1
57	DSG	QQYESVAAKNLQEAEEWYK - QQYESVAAKNLQEAEEWYK	(274, 292) [A] - (274, 292) [B]	23	77	1
58	EDC	ILLAELEQLKGQK - LGDLYEEEMR	(130, 143) [A] - (146, 155) [B]	19	81	2
59	EDC	LLQDSVDFSLADAINTEFK - FANYIDKVR	(79, 97) [A] - (114, 122) [B]	17	83	1
60	DSS, DSG	LQDEIQNMKEEMAR - TLLIKTVETR	(365, 378) [A] - (441, 450) [B]	17	83	0
61	DSG, DSS	QQYESVAAKNLQEAEEWYK - SKFADLSEAA NR	(274, 292) [A] - (293, 304) [B]	14	86	0
62	DSS, DSG	FANYIDKVR - FLEQQNKILLAELEQLKGQK	(114, 122) [A] - (123, 143) [B]	12	88	3
63	EDC	LLQDSVDFSLADAINTEFKNTR - VELQELNDR	(79, 100) [A] - (105, 113) [B]	11	89	1
64	DSG, DSS	TNEKVELQELNDR - FANYIDKVR	(101, 113) [A] - (114, 122) [B]	11	89	1

ID produktu	Činidlo	Spojené peptidy (A-B)	Pozice spojených peptidů [A] - [B]	INTER (%)	INTRA (%)	SD (%)
65	DSS	KVESLQEEIAFLKK - KVESLQEEIAFLKK	(223, 236) [A] - (223, 236) [B]	9	91	1
66	DSG	NLQEAEEWYKSK - NLQEAEEWYKSKFADLSEAANR	(283, 294) [A] - (283, 304) [B]	9	91	4
67	EDC	NLQEAEEWYK - NLQEAEEWYK	(283, 292) [A] - (283, 292) [B]	8	92	0
68	DSG, DSS	KLLEGEESR - ETNLDLPLVDTHSKR	(402, 410) [A] - (425, 440) [B]	8	92	1
69	DSS, DSG	NLQEAEEWYKSK - SKFADLSEAANRNDALR	(283, 294) [A] - (293, 310) [B]	7	93	0
70	DSG	NLQEAEEWYKSK - SKFADLSEAANR	(283, 294) [A] - (293, 304) [B]	7	93	0
71	DSS, DSG	LLQDSVDFSLADAINTEFKNTR - TNEKVELQELNDR	(79, 100) [A] - (101, 113) [B]	6	94	0
72	DSS	KLLEGEESR - ISLPLPNFSSLNLR	(402, 410) [A] - (411, 424) [B]	5	95	0
73	DSG, DSS, EDC	ETNLDLPLVDTHSKR - DGQVINETSQHDDLE	(425, 440) [A] - (451, 466) [B]	5	95	0
74	DSG, DSS	ISLPLPNFSSLNLR - ETNLDLPLVDTHSKR	(411, 424) [A] - (425, 440) [B]	3	97	0
75	DSS, DSG	ETNLDLPLVDTHSKR - TLLIKTVETR	(425, 440) [A] - (441, 450) [B]	3	97	0
76	DSS, DSG, EDC	TLLIKTVETR - DGQVINETSQHDDLE	(441, 450) [A] - (451, 466) [B]	2	98	0
77	DSS	FANYIDKVR - LQDEIQNMKEEMAR	(114, 122) [A] - (365, 378) [B]	-	-	-
78	DSS	FLEQQNKILLAELEQLKGQK - QAKQESTEYRR	(123, 143) [A] - (311, 321) [B]	-	-	-
79	DSG	KVESLQEEIAFLK - QVQSLTCEVDALKGTTNESLER	(223, 235) [A] - (322, 342) [B]	-	-	-
80	DSG	LLQDSVDFSLADAINTEFKNTR - KVESLQEEIAFLK	(79, 100) [A] - (223, 235) [B]	-	-	-
81	DSS	NLQEAEEWYKSK - TLLIKTVETR	(283, 294) [A] - (441, 450) [B]	-	-	-
82	DSS	QVDQLTNDKAR - SKFADLSEAANR	(160, 170) [A] - (293, 304) [B]	-	-	-
83	DSS	SKFADLSEAANR - LQDEIQNMKEEMAR	(293, 304) [A] - (365, 378) [B]	-	-	-

**Příloha 4.** Seznam peptidových spojení pocházejících z ULF podjednotek vimentinu identifikovaných LC-MS/MS analýzou, které byly dříve identifikovány a kvantifikovány z MS spekter získaných využitím techniky MIX CXMS (viz Příloha 3).

	Činidlo	Spojené peptidy (A-B)	Pozice peptidu A	Pozice peptidu B
1	DSBU, DSPU	ETNLDSLPLVDTHSKR - DGQVINETSQHDDLE	(425 - 440)	(451 - 467)
2	DSBU, DSPU	ETNLDSLPLVDTHSKR - ETNLDSLPLVDTHSKR	(425 - 440)	(425 - 440)
3	DSBU, DSPU	FANYIDKVR - FANYIDKVR	(114 - 122)	(114 - 122)
4	DSBU, DSPU	FANYIDKVR - NLQEAEEWYKSK	(114 - 122)	(283 - 294)
5	DSBU, DSPU	FANYIDKVR - QAKQESTEYRR	(114 - 122)	(311 - 321)
6	DSBU, DSPU	FANYIDKVR - QQYESVAAKNLQEAEEWYK	(114 - 122)	(274 - 292)
7	DSBU, DSPU	FANYIDKVR - QVQSLTBEVDALKGTNESLER	(114 - 122)	(322 - 342)
8	DSPU	FANYIDKVR - TLLIKTVETR	(114 - 122)	(441 - 450)
9	DSBU, DSPU	KVESLQEEIAFLK - QVQSLTBEVDALKGTNESLER	(223 - 235)	(322 - 342)
10	DSBU	NLQEAEEWYKSK - SKFADLSEAANRNDALR	(283 - 294)	(293 - 310)
11	DSBU, DSPU	QAKQESTEYRR - ETNLDSLPLVDTHSKR	(311 - 321)	(425 - 440)
12	DSBU	QAKQESTEYRR - QAKQESTEYRR	(311 - 321)	(311 - 321)
13	DSBU, DSPU	QAKQESTEYRR - QVQSLTBEVDALKGTNESLER	(311 - 321)	(322 - 342)
14	DSBU, DSPU	SKFADLSEAANR - QAKQESTEYRR	(293 - 304)	(311 - 321)
15	DSBU, DSPU	SKFADLSEAANR - SKFADLSEAANR	(293 - 304)	(293 - 304)
16	DSBU, DSPU	SVSSSSYR - FANYIDKVR	(5 - 12)	(114 - 122)
17	DSBU, DSPU	TNEKVELQELNDR - QQYESVAAKNLQEAEEWYK	(101 - 113)	(274 - 292)
18	DSBU	TNEKVELQELNDR - TNEKVELQELNDR	(101 - 113)	(101 - 113)
19	DSBU, DSPU	FANYIDKVR - FLEQQNKILLAELEQLKGQGK	(114 - 122)	(123 - 143)
20	DSBU, DSPU	FANYIDKVR - ILLAELEQLKGQGK	(114 - 122)	(130 - 143)
21	DSBU, DSPU	FANYIDKVR - KVESLQEEIAFLK	(114 - 122)	(223 - 235)
22	DSBU, DSPU	FANYIDKVR - SKFADLSEAANR	(114 - 122)	(293 - 304)
23	DSBU, DSPU	FANYIDKVR - VESLQEEIAFLK	(114 - 122)	(224 - 236)
24	DSBU	ILLAELEQLKGQGK - QQYESVAAKNLQEAEEWYK	(130 - 143)	(274 - 292)
25	DSBU, DSPU	ISLPLPNFSSLNLR - ETNLDSLPLVDTHSKR	(411 - 424)	(425 - 440)
26	DSBU, DSPU	KLLEGEESR - ETNLDSLPLVDTHSKR	(402 - 410)	(425 - 440)
27	DSBU, DSPU	KLLEGEESR - ISLPLPNFSSLNLR	(402 - 410)	(411 - 424)
28	DSBU, DSPU	KVESLQEEIAFLK - KVESLQEEIAFLK	(223 - 236)	(223 - 236)
29	DSBU, DSPU	QAKQESTEYRR - DGQVINETSQHDDLE	(311 - 321)	(451 - 467)
30	DSBU, DSPU	QVDQLTNDKAR - SKFADLSEAANR	(160 - 170)	(293 - 304)
31	DSBU	SKFADLSEAANR - DGQVINETSQHDDLE	(293 - 304)	(451 - 467)
32	DSBU, DSPU	SKFADLSEAANR - ETNLDSLPLVDTHSKR	(293 - 304)	(425 - 440)
33	DSBU	SKFADLSEAANR - LQDEIQNmKEEMARHLR	(293 - 304)	(365 - 381)
34	DSBU	SKFADLSEAANR - SKFADLSEAANRNDALR	(293 - 304)	(293 - 310)
35	DSBU	SLYASSPGGVYATR - ILLAELEQLKGQGK	(51 - 64)	(130 - 143)
36	DSBU, DSPU	TLLIKTVETR - DGQVINETSQHDDLE	(441 - 450)	(451 - 467)
37	DSBU	TLLIKTVETR - TLLIKTVETR	(441 - 450)	(441 - 450)

**Příloha 5.** Seznam všech produktů chemického sítění  $^{14}\text{N}/^{15}\text{N}$  ULF podjednotek vimentinu identifikovaných pomocí LC-MS analýzy. Pro jednotlivé produkty sítění jsou v tabulce uvedeny výsledky kvantifikace zastoupení INTER- a INTRA-tetramerního sítění (%) a směrodatná odchylka (SD) výsledků kvantifikace. Spojené peptidy pocházející z rozhraní tetramer-tetramer jsou vyznačeny zelenou barvou. Tabulka dále obsahuje informace o modifikacích peptidů, nábojovém stavu ( $X^+$ ) a hodnotách  $m/z$  ( $X^+$ ) pro všechny čtyři peptidové formy ( $^{14}\text{N}/^{14}\text{N} = \text{LL}$ ,  $^{14}\text{N}/^{15}\text{N} = \text{LH}$ ,  $^{15}\text{N}/^{14}\text{N} = \text{HL}$ ,  $^{15}\text{N}/^{15}\text{N} = \text{HH}$ ).

ID produktu	Číslo	Spojené peptidy (A-B)	Pozice spojených peptidů [A] - [B]	Modifikace	Náboj ( $X^+$ )	LL $m/z$ ( $X^+$ )	LH $m/z$ ( $X^+$ )	HL $m/z$ ( $X^+$ )	HH $m/z$ ( $X^+$ )	INTER (%)	INTRA (%)	SD (%)
1	DSG	SKFADLSEAAANR - KLEGEESR	(293, 304) [A] - (402, 410) [B]		3	822,082	826,403	827,732	832,052	116	0	14
1	DSS	SKFADLSEAAANR - KLEGEESR	(293, 304) [A] - (402, 410) [B]		4	627,325	630,565	631,562	634,803	96	4	7
2	DSG	TNEKVELQELNDR - SKFADLSEAAANR	(101, 113) [A] - (293, 304) [B]		4	748,622	752,859	753,607	757,844	114	0	11
2	DSS	TNEKVELQELNDR - SKFADLSEAAANR	(101, 113) [A] - (293, 304) [B]		4	759,134	763,371	764,119	768,356	86	14	2
3	DSG	TNEKVELQELNDRFANYIDKVR - QQYESVAAKNLQEAEEW	(101, 122) [A] - (274, 292) [B]		6	851,422	855,743	857,072	861,393	106	0	15
4	DSG	LLQDSVDFSLADAINTEFKNTR - NLQEAEEWYKSK	(79, 100) [A] - (283, 294) [B]		4	1030,006	1034,244	1037,235	1041,472	103	0	2
5	DSS	SKFADLSEAAANR - DGQVINETSQHDDLE	(293, 304) [A] - (451, 466) [B]		4	821,384	827,117	825,622	831,354	103	0	11
6	DSG	QAKQESTEYRR - TLLIKTVETR	(311, 321) [A] - (441, 450) [B]		5	533,692	536,484	537,680	540,472	103	0	5
6	DSS	QAKQESTEYRR - TLLIKTVETR	(311, 321) [A] - (441, 450) [B]		4	677,375	680,865	682,360	685,850	96	4	9
7	EDC	LLQDSVDFSLADAINTEFK - SKFADLSEAAANR	(79, 97) [A] - (293, 304) [B]		4	854,681	858,918	860,165	864,402	103	0	4
8	DSG	FANYIDKVR - QQYESVAAKNLQEAEEWYK	(114, 122) [A] - (274, 292) [B]		4	884,435	890,916	887,925	894,405	101	0	1
8	DSS	FANYIDKVR - QQYESVAAKNLQEAEEWYK	(114, 122) [A] - (274, 292) [B]		4	894,947	901,427	898,436	904,917	97	3	2
9	EDC	LLQDSVDFSLADAINTEFKNTR - FADLSEAAANR	(79, 100) [A] - (295, 304) [B]		4	893,697	897,187	900,926	904,415	101	0	8
10	DSS	EKLQEEMLQREAAENTLQSFQRQVDNASLAR - QAKQESTE	(187, 217) [A] - (311, 321) [B]		6	869,263	872,586	877,073	880,396	100	0	8
11	DSG	FANYIDKVR - FANYIDKVR	(114, 122) [A] - (114, 122) [B]		4	587,312	590,801	590,801	594,291	99	1	2
11	DSS	FANYIDKVR - FANYIDKVR	(114, 122) [A] - (114, 122) [B]		4	597,823	601,313	601,313	604,803	93	7	8
12	DSS	TNEKVELQELNDR - QAKQESTEYRR	(101, 113) [A] - (311, 321) [B]		4	780,894	785,880	785,880	790,865	99	1	4
12	DSG	TNEKVELQELNDR - QAKQESTEYRR	(101, 113) [A] - (311, 321) [B]		5	616,508	620,496	620,496	624,484	91	0	6
13	EDC	LLQDSVDFSLADAINTEFK - NLQEAEEWYKSK	(79, 97) [A] - (283, 294) [B]		4	908,701	912,938	914,184	918,422	98	2	2
14	DSS	TNEKVELQELNDR - SKFADLSEAAANRNDALR	(101, 113) [A] - (293, 310) [B]		5	744,175	749,759	748,163	753,747	98	0	15
15	DSS	LLQDSVDFSLADAINTEFKNTR - SKFADLSEAAANR	(79, 100) [A] - (293, 304) [B]		4	986,498	990,736	993,727	997,964	97	3	2
15	DSG	LLQDSVDFSLADAINTEFKNTR - SKFADLSEAAANR	(79, 100) [A] - (293, 304) [B]		4	975,987	980,224	983,215	987,453	101	0	4
16	EDC	TNEKVELQELNDR - QQYESVAAKNLQEAEEWYK	(101, 113) [A] - (274, 292) [B]		5	777,381	782,566	781,370	786,554	97	4	1
16	DSG	TNEKVELQELNDR - QQYESVAAKNLQEAEEWYK	(101, 113) [A] - (274, 292) [B]		4	999,983	1006,464	1004,968	1011,449	95	5	3
17	EDC	EEAENTLQSF - EYQDLLNVK	(197, 207) [A] - (382, 390) [B]		3	809,399	813,388	814,717	818,705	95	5	7
18	EDC	LLQDSVDFSLADAINTEFKNTR - NLQEAEEWYK	(79, 100) [A] - (283, 292) [B]		4	947,717	951,206	954,945	958,435	95	5	3
19	DSG	QAKQESTEYRR - KLEGEESR	(311, 321) [A] - (402, 410) [B]		4	638,574	641,815	643,559	646,800	94	6	10
19	DSS	QAKQESTEYRR - KLEGEESR	(311, 321) [A] - (402, 410) [B]		4	649,086	652,326	654,071	657,311	-	-	-
20	DSG	LLQDSVDFSLADAINTEFKNTR - QAKQESTEYR	(79, 100) [A] - (311, 320) [B]		4	958,722	962,710	965,951	969,939	94	6	4
21	DSS	QVQSLTCEVDALGTNESLER - TLLIKTVETR	(322, 342) [A] - (441, 450) [B]	Karbamidace (A.328)	4	922,742	926,232	929,722	933,211	94	6	3
22	DSS	ILLAELEQLKGQK - QQYESVAAKNLQEAEEWYK	(130, 143) [A] - (274, 292) [B]		4	998,523	1005,004	1003,010	1009,490	94	6	0
23	DSS	FANYIDKVR - SKFADLSEAAANR	(114, 122) [A] - (293, 304) [B]		4	643,586	647,823	647,075	651,313	93	7	2
23	DSG	FANYIDKVR - SKFADLSEAAANR	(114, 122) [A] - (293, 304) [B]		4	633,074	637,311	636,563	640,801	90	10	1

ID produktu	Číslo	Spojené peptidy (A-B)	Pozice spojených peptidů [A] - [B]	Modifikace	Náboj (X+)	LL m/z (X+)	LH m/z (X+)	HL m/z (X+)	HH m/z (X+)	INTER (%)	INTRA (%)	SD (%)
24	DSS	SKFADLSEAANR - ETNLDSLPLVDTHSKR	(293, 304) [A] - (425, 440) [B]		5	654,938	659,524	658,328	662,914	93	7	1
24	DSG	SKFADLSEAANR - ETNLDSLPLVDTHSKR	(293, 304) [A] - (425, 440) [B]		5	646,528	651,115	649,918	654,505	90	10	2
25	EDC	LLQDSVDFSLADAINTEFKNTR - EEAENTLQSFRR	(79, 100) [A] - (197, 207) [B]		4	951,220	955,208	958,448	962,436	93	8	2
26	DSG	FANYIDKVR - QAKQESTYRR	(114, 122) [A] - (311, 321) [B]		4	654,835	659,820	658,324	663,309	92	8	4
27	DSS	QQYESVAAKNLQEAEEWYK - KLLEGEESR	(274, 292) [A] - (402, 410) [B]		4	878,686	881,927	885,167	888,407	91	9	4
28	DSS	QVQSLTCEVDALKGTNESLER - ETNLDSLPLVDTHSKR	(322, 342) [A] - (425, 440) [B]	Karbamidace (A.328)	5	868,640	873,227	874,224	878,810	91	9	9
29	DSG	FANYIDKVR - TLLIKTVETR	(114, 122) [A] - (441, 450) [B]		4	599,340	602,830	602,830	606,320	89	11	7
30	DSS	FANYIDKVR - NLQEAEEWYKSK	(114, 122) [A] - (283, 294) [B]		4	697,605	701,843	701,095	705,332	88	12	2
30	DSG	FANYIDKVR - NLQEAEEWYKSK	(114, 122) [A] - (283, 294) [B]		4	687,093	691,331	690,583	694,820	88	12	3
31	DSG	QAKQESTYRR - QAKQESTYRR	(311, 321) [A] - (311, 321) [B]		5	578,088	582,076	582,076	586,064	87	13	6
31	DSS	QAKQESTYRR - QAKQESTYRR	(311, 321) [A] - (311, 321) [B]		5	586,497	590,485	590,485	594,473	86	14	3
32	DSS	LLQDSVDFSLADAINTEFKNTR - KLLEGEESR	(79, 100) [A] - (402, 410) [B]		4	924,476	927,716	931,704	934,945	86	14	1
33	DSS	FANYIDKVR - VESLQEEIAFLKK	(114, 122) [A] - (224, 236) [B]		4	699,885	703,873	703,375	707,363	85	15	3
34	DSS	FANYIDKVR - KVESLQEEIAFLK	(114, 122) [A] - (223, 235) [B]		4	699,885	703,873	703,375	707,363	84	16	3
35	DSS	QAKQESTYRR - DGQVINETSQHDDLE	(311, 321) [A] - (451, 466) [B]		5	674,717	679,304	678,706	683,292	83	17	6
35	DSG	QAKQESTYRR - DGQVINETSQHDDLE	(311, 321) [A] - (451, 466) [B]		5	666,308	670,894	670,296	674,883	70	30	16
36	DSG	QAKQESTYRR - ETNLDSLPLVDTHSKR	(311, 321) [A] - (425, 440) [B]		5	663,937	668,524	667,925	672,512	82	18	6
36	DSS	QAKQESTYRR - ETNLDSLPLVDTHSKR	(311, 321) [A] - (425, 440) [B]		5	672,347	676,933	676,335	680,921	79	21	4
37	DSG	FANYIDKVR - QVQSLTCEVDALKGTNESLER	(114, 122) [A] - (322, 342) [B]	Karbamidace (B.328)	4	900,202	907,181	903,691	910,671	82	18	11
38	DSS	SKFADLSEAANR - TLLIKTVETR	(293, 304) [A] - (441, 450) [B]		4	655,614	659,104	659,852	663,341	82	18	9
39	DSG	QAKQESTYRR - QVQSLTCEVDALKGTNESLER	(311, 321) [A] - (322, 342) [B]	Karbamidace (B.328)	5	774,381	779,965	778,370	783,953	77	23	8
40	DSS	TNEKVELQELNDR - KLLEGEESR	(101, 113) [A] - (402, 410) [B]		4	697,111	700,351	702,096	705,336	72	28	4
41	EDC	LLQDSVDFSLADAINTEFKNTR - DNLAEDIMR	(79, 100) [A] - (176, 184) [B]		4	889,441	892,682	896,670	899,910	70	31	1
42	EDC	TNEK - QQYESVAAKNLQEAEEWYK	(101, 104) [A] - (274, 292) [B]		4	697,337	703,818	698,833	705,313	64	36	0
43	DSG	QQYESVAAKNLQEAEEWYK - QAKQESTYRR	(274, 292) [A] - (311, 321) [B]		5	761,768	765,756	766,952	770,941	63	37	2
43	DSS	QQYESVAAKNLQEAEEWYK - QAKQESTYRR	(274, 292) [A] - (311, 321) [B]		5	770,177	774,165	775,362	779,350	68	32	1
44	DSG	FANYIDKVR - ILLAELEQLKGQGK	(114, 122) [A] - (130, 143) [B]		4	690,888	695,375	694,377	698,864	61	39	12
45	EDC	ILLAELEQLKGQGK - EEAENTLQSFRR	(130, 143) [A] - (197, 207) [B]		4	711,883	715,871	716,370	720,358	60	40	0
46	DSG	SVSSSSYR - FANYIDKVR	(5, 12) [A] - (114, 122) [B]		4	524,013	527,503	526,755	530,244	60	40	3
47	EDC	LLQDSVDFSLADAINTEFK - ILLAELEQLKGQGK	(79, 97) [A] - (130, 143) [B]		4	912,495	916,982	917,979	922,465	52	48	3
48	DSG	SKFADLSEAANR - QAKQESTYRR	(293, 304) [A] - (311, 321) [B]		4	700,597	705,582	704,834	709,819	49	51	1
48	DSS	SKFADLSEAANR - QAKQESTYRR	(293, 304) [A] - (311, 321) [B]		4	711,109	716,094	715,346	720,331	22	78	1
49	DSG	SKFADLSEAANR - SKFADLSEAANR	(293, 304) [A] - (293, 304) [B]		4	678,836	683,073	683,073	687,311	48	52	1
50	DSS	TLLIKTVETR - TLLIKTVETR	(441, 450) [A] - (441, 450) [B]		4	621,881	625,370	625,370	628,860	47	53	2
50	DSG	TLLIKTVETR - TLLIKTVETR	(441, 450) [A] - (441, 450) [B]		4	611,369	614,859	614,859	618,348	33	67	1
51	DSS	SKFADLSEAANR - SKFADLSEAANRNDALR	(293, 304) [A] - (293, 310) [B]		4	860,182	864,161	864,419	871,398	44	56	7
52	DSS	SLYASSPGGVYATR - ILLAELEQLKGQGK	(51, 64) [A] - (130, 143) [B]		4	777,176	781,663	781,414	785,900	42	58	1
53	DSG	ETNLDSLPLVDTHSKR - ETNLDSLPLVDTHSKR	(425, 440) [A] - (425, 440) [B]		5	749,787	754,373	754,373	758,959	31	69	1
54	DSG	LLQDSVDFSLADAINTEFKNTR - FANYIDKVR	(79, 100) [A] - (114, 122) [B]		4	930,224	933,714	937,453	940,943	31	69	1
54	DSS	LLQDSVDFSLADAINTEFKNTR - FANYIDKVR	(79, 100) [A] - (114, 122) [B]		4	940,736	944,226	947,965	951,454	26	74	1

ID produktu	Činidlo	Spojené peptidy (A-B)	Pozice spojených peptidů [A] - [B]	Modifikace	Náboj (X+)	LL m/z (X+)	LH m/z (X+)	HL m/z (X+)	HH m/z (X+)	INTER (%)	INTRA (%)	SD (%)
55	DSG	TNEKVELQELNDR - TNEKVELQELNDR	(101, 113) [A] - (101, 113) [B]		4	818,408	823,393	823,393	828,378	28	72	3
56	DSS	SLYASSPGGVYATR - FANYIDKVR	(51, 64) [A] - (114, 122) [B]		3	897,797	902,450	903,447	908,100	26	74	1
57	DSG	QQYESVAAKNLQEAEEWYK - QQYESVAAKNLQEAEEWYK	(274, 292) [A] - (274, 292) [B]		4	1181,558	1188,039	1188,039	1194,520	23	77	1
58	EDC	ILLAELEQLKGGQK - LGDLYEEEMR	(130, 143) [A] - (146, 155) [B]		4	694,620	697,861	699,107	702,347	19	82	2
59	EDC	LLQDSVDFSLADAINTEFK - FANYIDKVR	(79, 97) [A] - (114, 122) [B]		4	808,919	812,408	814,402	817,892	17	83	1
60	DSS	LQDEIQNMKEEMAR - TLLIKTVETR	(365, 378) [A] - (441, 450) [B]		4	762,154	765,644	767,389	770,879	17	83	0
60	DSG	LQDEIQNMKEEMAR - TLLIKTVETR	(365, 378) [A] - (441, 450) [B]		4	751,643	755,132	756,877	760,367	19	81	5
61	DSG	QQYESVAAKNLQEAEEWYK - SKFADLSEAAANR	(274, 292) [A] - (293, 304) [B]		4	930,197	934,435	936,678	940,915	14	86	0
61	DSS	QQYESVAAKNLQEAEEWYK - SKFADLSEAAANR	(274, 292) [A] - (293, 304) [B]		4	940,709	944,946	947,190	951,427	12	88	0
62	DSS	FANYIDKVR - FLEQQNKILLAELEQLKGGQK	(114, 122) [A] - (123, 143) [B]		5	738,811	744,594	741,603	747,386	12	88	3
62	DSG	FANYIDKVR - FLEQQNKILLAELEQLKGGQK	(114, 122) [A] - (123, 143) [B]		5	730,402	736,185	733,193	738,976	14	86	0
63	EDC	LLQDSVDFSLADAINTEFKNTR - VELQELNDR	(79, 100) [A] - (105, 113) [B]		4	899,208	902,697	906,436	909,926	11	89	1
64	DSG	TNEKVELQELNDR - FANYIDKVR	(101, 113) [A] - (114, 122) [B]		4	702,860	706,349	707,845	711,334	11	89	1
64	DSS	TNEKVELQELNDR - FANYIDKVR	(101, 113) [A] - (114, 122) [B]		4	713,371	716,861	718,356	721,846	0	100	0
65	DSS	KVESLQEEIAFLK - KVESLQEEIAFLK	(223, 236) [A] - (223, 236) [B]		5	692,997	696,586	696,586	700,176	9	91	1
66	DSG	NLQEAEEWYKSK - NLQEAEEWYKSKFADLSEAAANR	(283, 294) [A] - (283, 304) [B]		5	844,604	850,785	847,994	854,175	9	91	4
67	EDC	NLQEAEEWYK - NLQEAEEWYK	(283, 292) [A] - (283, 292) [B]		4	650,804	654,294	654,294	657,783	8	92	0
68	DSG	KLLEGEESR - ETNLDLPLVDTHSKR	(402, 410) [A] - (425, 440) [B]		4	745,886	751,619	749,126	754,859	8	92	1
68	DSS	KLLEGEESR - ETNLDLPLVDTHSKR	(402, 410) [A] - (425, 440) [B]		5	605,320	609,906	607,912	612,498	9	91	0
69	DSS	NLQEAEEWYKSK - SKFADLSEAAANRNDALR	(283, 294) [A] - (293, 310) [B]		5	731,562	737,146	734,952	740,536	7	93	0
69	DSG	NLQEAEEWYKSK - SKFADLSEAAANRNDALR	(283, 294) [A] - (293, 310) [B]		5	723,153	728,736	726,543	732,126	7	93	1
70	DSG	NLQEAEEWYKSK - SKFADLSEAAANR	(283, 294) [A] - (293, 304) [B]		4	732,856	737,093	737,093	741,331	7	93	0
71	DSS	LLQDSVDFSLADAINTEFKNTR - TNEKVELQELNDR	(79, 100) [A] - (101, 113) [B]		4	1056,284	1061,269	1063,513	1068,498	6	94	0
71	DSG	LLQDSVDFSLADAINTEFKNTR - TNEKVELQELNDR	(79, 100) [A] - (101, 113) [B]		4	1045,773	1050,758	1053,001	1057,986	5	95	0
72	DSS	KLLEGEESR - ISLPLPNFSSLNLR	(402, 410) [A] - (411, 424) [B]		4	692,885	697,621	696,126	700,862	5	95	0
73	DSG	ETNLDLPLVDTHSKR - DGQVINETSQHDDLE	(425, 440) [A] - (451, 466) [B]		5	752,158	756,744	756,744	761,330	5	95	0
73	DSS	ETNLDLPLVDTHSKR - DGQVINETSQHDDLE	(425, 440) [A] - (451, 466) [B]		5	760,567	765,153	765,153	769,740	5	95	0
73	EDC	ETNLDLPLVDTHSKR - DGQVINETSQHDDLE	(425, 440) [A] - (451, 466) [B]		5	729,351	733,938	733,938	738,524	10	90	0
74	DSG	ISLPLPNFSSLNLR - ETNLDLPLVDTHSKR	(411, 424) [A] - (425, 440) [B]		5	698,977	703,563	702,765	707,352	3	97	0
74	DSS	ISLPLPNFSSLNLR - ETNLDLPLVDTHSKR	(411, 424) [A] - (425, 440) [B]		5	707,386	711,972	711,175	715,761	4	96	0
75	DSS	ETNLDLPLVDTHSKR - TLLIKTVETR	(425, 440) [A] - (441, 450) [B]		4	784,687	788,177	790,420	793,910	3	97	0
75	DSG	ETNLDLPLVDTHSKR - TLLIKTVETR	(425, 440) [A] - (441, 450) [B]		5	619,542	622,333	624,128	626,920	3	97	0
76	DSS	TLLIKTVETR - DGQVINETSQHDDLE	(441, 450) [A] - (451, 466) [B]		4	787,651	793,384	791,140	796,873	2	98	0
76	DSG	TLLIKTVETR - DGQVINETSQHDDLE	(441, 450) [A] - (451, 466) [B]		4	777,139	782,872	780,628	786,361	1	99	0
76	EDC	TLLIKTVETR - DGQVINETSQHDDLE	(441, 450) [A] - (451, 466) [B]		5	599,106	603,693	601,898	606,484	9	91	0
77	DSS	FANYIDKVR - LQDEIQNMKEEMAR	(114, 122) [A] - (365, 378) [B]		4	750,126	755,360	753,615	758,850	-	-	-
78	DSS	FLEQQNKILLAELEQLKGGQK - QAKQESTEYRR	(123, 143) [A] - (311, 321) [B]		5	792,830	796,818	798,612	802,601	-	-	-
79	DSG	KVESLQEEIAFLK - QVQSLTCEVDALKGTNESLER	(223, 235) [A] - (322, 342) [B]	Karbamidace (B.328)	4	1002,264	1009,243	1006,252	1013,231	-	-	-
80	DSG	LLQDSVDFSLADAINTEFKNTR - KVESLQEEIAFLK	(79, 100) [A] - (223, 235) [B]		4	1032,286	1036,274	1039,515	1043,503	-	-	-
81	DSS	NLQEAEEWYKSK - TLLIKTVETR	(283, 294) [A] - (441, 450) [B]		4	709,634	713,124	713,871	717,361	-	-	-
82	DSS	QVDQLTNDKAR - SKFADLSEAAANR	(160, 170) [A] - (293, 304) [B]		4	684,101	688,338	688,587	692,825	-	-	-
83	DSS	SKFADLSEAAANR - LQDEIQNMKEEMAR	(293, 304) [A] - (365, 378) [B]		4	795,888	801,122	800,125	805,360	-	-	-