

Table S1.

Amino acid score of BSFL calculated in comparison to the FAO/WHO standard for human nutrition [25].

Essential Amino Acid	Amino Acid Score
Thr	1.6
Val	1.6
Lys	1.6
Ile	1.0
Leu	0.7
Met	3.0
His	1.4
Phe + Tyr	1.5

Table S2.

List of peptides identified in 3 hours hydrolysate (A) and in 15 hours hydrolysate (B):

(A)

Peptide	-10lgP	Mass	Length	ppm	Area Sample	Accession	Protein	Function	Sub-function
GPPGPPGPPGPPGPKFPL	54,46	1815,97	20	-0,8	5,06E+06	A0A7R8UM91	Hypothetical protein	structural constituent of cuticle	
GPGGPGGPKGGGGPGPF	52,86	1445,71	18	-1,2	5,28E+06	A0A7R8UM91	Hypothetical protein	structural constituent of cuticle	
GPPGPPGPPGLPGKFGST	61,41	1712,89	19	-0,7	5,37E+06	A0A7R8UM91	Hypothetical protein	structural constituent of cuticle	
NIYPVPDPRFPFL	29,59	1573,83	13	1,4	1,50E+05	A0A1J1IKW3	CLUMA_CG013678	Enzyme	oxidoreductase activity
ISPPPLVSIPIVGGIL	39,16	1554,94	16	-1,2	2,80E+05	A0A7R8YVB4	Hypothetical protein	calcium ion binding	
GNIYPVPDPRFPFL	45,09	1630,85	14	1	4,94E+05	A0A1J1IKW3	CLUMA_CG013677	Enzyme	oxidoreductase activity
IISPPPLVSIPIVGGIL	48,36	1668,02	17	0,2	4,28E+06	A0A7R8YVB4	Hypothetical protein	calcium ion binding	
GKPGPAGPPGPPGPL	45,51	1294,70	15	0,1	8,83E+06	A0A7R8UM91	Hypothetical protein	structural constituent of cuticle	
GFPFDRPIDL	31,14	1175,60	10	-0,9	4,81E+06	A0A7R8YSW8	Hypothetical protein	Hemocyanin	
SRPSIGLPGSPGLPGL	43,55	1503,84	16	0,1	5,02E+06	A0A7R8UM91	Hypothetical protein	structural constituent of cuticle	
GAHLPIPPPIPDYILR	54,87	1768,00	16	0	1,29E+07	A0A7R8YNH0	Hypothetical protein	structural constituent of cuticle	
SRPSLGLPGSPGSPGLPGL	47,56	1744,95	19	-1,9	2,54E+06	A0A7R8UM91	Hypothetical protein	structural constituent of cuticle	
PPPPQPIPDYIVR	47,72	1487,81	13	-2,1	6,46E+06	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
GAHLPIPPPIPDYIL	45,6	1611,90	15	-0,4	2,35E+06	A0A7R8YNH0	Hypothetical protein	structural constituent of cuticle	
KNPFDEPGKGNL	34,76	1411,71	13	-1,7	1,74E+06	A0A7R8Z362	Hypothetical protein	ATP binding	
GSRFFDDLPL	29,42	1165,58	10	-1,5	2,55E+07	A0A7R8UJCO	Hypothetical protein	Hemocyanin	

LPVPPPEPIPDYIVR	51,65	1798,00	16	-0,4	9,70E+06	A0A7R8V0P3	Hypothetical protein	structural constituent of cuticle	
LVPGLPSDKML	36,4	1378,79	13	-1,2	5,46E+06	A0A7R8UKG1	Catalase	Enzyme	response to oxidative stress
LPVPPPPQIPDYIVR	51,95	1797,02	16	-0,4	3,81E+07	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
NFDKVIDFF	41,37	1143,56	9	-0,6	3,35E+06	A0A7R8UHR0	Hypothetical protein	Hemocyanin	
GAHLPVPPPEPIPDYIVR	64,38	2063,12	19	-0,1	3,53E+08	A0A7R8V0P3	Hypothetical protein	structural constituent of cuticle	
HLPVPPPEPIPDYIVR	50,84	1935,06	17	-0,6	2,57E+08	A0A7R8V0P3	Hypothetical protein	structural constituent of cuticle	
LVPGLPSDKMLQ	35,49	1506,85	14	-0,3	1,27E+07	A0A7R8UKG1	Catalase	Enzyme	response to oxidative stress
GAHLPVPPPPQIPDYIVR	62,34	2062,14	19	-0,4	7,79E+08	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
GGPKGGPGGGPGGGPGGGPGPF	57,83	2028,94	25	-3,2	2,62E+06	A0A7R8UM91	Hypothetical protein	structural constituent of cuticle	
HLVPGILPSDKML	55,58	1515,85	14	-0,3	3,96E+06	A0A7R8UKG1	Catalase	Enzyme	response to oxidative stress
AHLPVPPPEPIPDYIVR	49,6	2006,10	18	-0,3	2,55E+06	A0A7R8V0P3	Hypothetical protein	structural constituent of cuticle	
HLPVPPPPQIPDYIVR	49,3	1934,08	17	-1,1	3,99E+08	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
AHLPVPPPPQIPDYIVR	56,73	2005,11	18	-0,9	3,55E+07	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
GAHLPQPPPIPA	44,27	1193,66	12	-1,2	3,24E+07	A0A7R8YZ13	Hypothetical protein	structural constituent of cuticle	
YPGIADRM	41,11	921,44	8	-1	1,65E+07	A0A087ZMI4	Putative actin-related protein	Muscular	
GSGGGFGPGGGPGGPKGGPGGGPF	64,02	1907,89	24	-0,8	8,26E+06	A0A7R8UM91	Hypothetical protein	structural constituent of cuticle	
KAIVAPGKGIL	36,04	1065,69	11	-1,5	6,92E+06	A0A7R8V4G4	Fructose-bisphosphate aldolase	Enzyme	
DISDDRIGKM	27,2	1148,55	10	-3,1	7,07E+05	A0A7R8UHR0	Hypothetical protein	Hemocyanin	
GAHLPVPPPEPIPDYIV	56,93	1907,02	18	-0,2	4,97E+06	A0A7R8V0P3	Hypothetical protein	structural constituent of cuticle	

GAHLPVPPPEPIPDYI	57,3	1807,95	17	-1	2,45E+06	A0A7R8V0P3	Hypothetical protein	structural constituent of cuticle	
HLVPGILSPDKMLQ	52,57	1643,91	15	-0,8	1,78E+07	A0A7R8UKG1	Catalase	Enzyme	response to oxidative stress
GPGGPGGPGFGPGGPGGPGGKGGGPL	64,02	2038,00	26	-1,4	4,77E+06	A0A7R8UM91	Hypothetical protein	structural constituent of cuticle	
GFAGDDAPRA	35,3	975,44	10	-1,4	1,10E+06	A0A087ZMI4	Putative actin-related protein	Muscular	
GAHLPVPPPEPIPD	50,59	1531,80	15	-1	2,28E+07	A0A7R8V0P3	Hypothetical protein	structural constituent of cuticle	
GPGGPGGPKGPGGPGGPGGPGGPGGPF	63,91	2290,09	30	-1,7	3,91E+06	A0A7R8UM91	Hypothetical protein	structural constituent of cuticle	
GAHLPVPPPPQIPDYI	59,52	1806,97	17	-1,4	1,76E+07	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
HLPVPPPEPIPDYIV	50,9	1778,96	16	-1	1,43E+06	A0A7R8V0P3	Hypothetical protein	structural constituent of cuticle	
GAHLPVPPPPQIPDYIV	58,97	1906,04	18	-0,9	2,79E+07	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
INLPDDQYRLG	39,17	1302,66	11	-1,1	2,04E+07	A0A7R8URW5	Hypothetical protein	Muscular	Myosin complex
IRDPILFPS	30,44	1056,60	9	-1,5	1,71E+07	A0A7R8UKG1	Catalase	Enzyme	response to oxidative stress
GFAGDDAPRAVFP	43,27	1405,66	14	-0,6	1,07E+08	A0A087ZMI4	Putative actin-related protein	Muscular	
HLPVPPPPQIPDYI	54,12	1678,91	15	-1,3	6,65E+06	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
GAHLPVPPPEPIPDY	62,89	1694,87	16	-0,8	1,81E+07	A0A7R8V0P3	Hypothetical protein	structural constituent of cuticle	
GAHLPVPPPPQIPDY	60,46	1693,88	16	-0,7	5,23E+07	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
HLPVPPPEPIPDY	50,88	1566,81	14	-1,3	8,93E+06	A0A7R8V0P3	Hypothetical protein	structural constituent of cuticle	
GAHLPVPPPPQIPD	49,37	1530,82	15	-1,4	4,23E+07	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
HLPVPPPPQIPDYIV	53,83	1777,98	16	-0,8	9,74E+06	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	

HLPVPPPPQIPDY	56,42	1565,82	14	0,1	1,86E+07	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
KAIVAPGKGILA	21,81	1136,73	12	-2,2	5,34E+05	A0A023EQM6	Fructose-bisphosphate aldolase	Enzyme	
AHLPVPPPPQIPDIYV	52,62	1849,01	17	-1,9	6,77E+05	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
HLPVPPPPQIPD	43,57	1402,76	13	-0,5	2,71E+07	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
PVDRPIPHV	34,25	1125,63	10	-1,3	3,38E+07	A0A7R8URU7	Hypothetical protein	nd	
GAHLPVPPPIPE	47,34	1222,67	12	0,2	2,38E+08	A0A7R8V0P4	Hypothetical protein	structural constituent of cuticle	
QIPVDRPYPV	30,33	1182,64	10	-0,5	1,98E+08	A0A7R8URU7	Hypothetical protein	nd	
AGDDAPRAVFPS	40,34	1201,57	12	-0,7	1,01E+08	A0A087ZMI4	Putative actin-related protein	Muscular	
KALVAPGKGILA	21,81	1136,73	12	-2,2	5,34E+05	B4QW45	Fructose-bisphosphate aldolase	Enzyme	
AHLPVPPPPQIPDY	45,81	1636,86	15	-1	1,89E+06	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
IPVDRPYPV	32,91	1054,58	9	-2	5,86E+07	A0A7R8URU7	Hypothetical protein	nd	
INLPDDQYRL	29,61	1245,64	10	-1,2	1,43E+07	A0A7R8URW5	Hypothetical protein	Muscular	Myosin complex
GAPGAPGAPGSPGRPGTGLPSIS	66,4	2054,05	24	-0,3	2,20E+07	A0A7R8UM91	Hypothetical protein	structural constituent of cuticle	
PVPVDRPIPHV	28,35	1321,75	12	-0,8	1,84E+08	A0A7R8URU7	Hypothetical protein	nd	
QVPHVPVPVERVPVPV	29,37	1941,12	18	-0,1	6,96E+06	A0A7R8URU7	Hypothetical protein	nd	
GAHIPVPPPIPE	47,34	1222,67	12	0,2	2,38E+08	A0A6J1S563	arval cuticle protein 65Ag1-like	structural constituent of cuticle	
HLVPGILSPDKM	33,07	1402,76	13	-2,8	2,71E+07	A0A7R8UKG1	Catalase	Enzyme	response to oxidative stress
GLDRVGTGW	22,33	959,48	9	-0,9	5,47E+06	A0A7R8UHR0	Hypothetical protein	Hemocyanin	
LPSLPSLSIKPVSPS	58,62	1617,93	16	-1	1,57E+07	A0A7R8UM91	Hypothetical protein	structural constituent of cuticle	
VPVDRPYPV	26,44	1040,57	9	-1,2	1,16E+08	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
QVPVDRPYPV	32,12	1168,62	10	-0,5	2,31E+08	A0A7R8URU7	Hypothetical protein	nd	
KSPFDPPDAPSQPE	36,04	1510,69	14	-0,2	2,17E+06	A0A7R8Z362	Hypothetical protein	ATP binding	
IPVPVDRPIPHV	49,64	1434,83	13	-1,8	2,74E+07	A0A7R8URU7	Hypothetical protein	nd	

GAHLPPPPVPE	43,27	1208,66	12	-0,2	3,73E+08	A0A7R8V1D0	Hypothetical protein	structural constituent of cuticle	
YINLPDDQYRLG	42,59	1465,72	12	0,3	4,94E+06	A0A7R8URW5	Hypothetical protein	Muscular	Myosin complex
NIPVPVDRPIHPV	43,15	1548,88	14	-1	2,31E+08	A0A7R8URU7	Hypothetical protein	nd	
GPPGPPGPPGPPGPPGKFLDKPYKPVFE	40,61	2919,53	29	-1,3	1,74E+07	A0A7R8UM91	Hypothetical protein	structural constituent of cuticle	
DAILPPTRPTEKPL	28,74	1546,87	14	-5,1	9,59E+06	B6ZCL2	Elongation factor 1 alpha	RNA binding	
KVPVPQYPYV	25,45	1122,64	10	-0,8	1,14E+07	A0A7R8URU7	Hypothetical protein	nd	
KEELPGKPF	39,06	1043,57	9	-1,4	8,66E+07	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
SLPINPPPKNTIDDIPIAN	49,08	1915,01	18	-0,3	7,39E+06	A0A7R8YKR5	Hypothetical protein	Enzyme	proteolysis
SGKFPTSRPSIGLPGSPGLPGL	33,8	2180,18	22	1,1	2,39E+06	A0A7R8UM91	Hypothetical protein	structural constituent of cuticle	
GPVKVLPDEPRVL	44,84	1417,83	13	-1,2	6,44E+06	A0A7R8YT79	Hypothetical protein	Enzyme	esterase
HVPVDRPYPV	22,13	1177,62	10	-0,9	2,25E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
IPVDRPYPVKVPVPQYPYVE	58,28	2288,26	20	-0,3	9,61E+06	A0A7R8URU7	Hypothetical protein	nd	
SVVPVPQYPYVE	40,72	1210,62	11	-0,5	5,63E+07	A0A7R8URU7	Hypothetical protein	nd	
QVPHPVVPVVERPVVPYVE	47,38	2070,16	19	-0,9	4,01E+08	A0A7R8URU7	Hypothetical protein	nd	
NRYPYVPVPSV	36,94	1320,72	12	-1,3	9,43E+06	A0A7R8URU7	Hypothetical protein	nd	
QIPVDRPYPVKVPVPQYPYVE	45,72	2416,32	21	-0,8	4,04E+07	A0A7R8URU7	Hypothetical protein	nd	
GGVRPNIPVIKLE	31,31	1487,88	14	-0,8	8,46E+06	A0A7R8UM91	Hypothetical protein	structural constituent of cuticle	
DDLLPGVK	33,65	968,55	9	-0,9	2,97E+07	A0A7R8UJC0	Hypothetical protein	Hemocyanin	
TPSLSPGSPGFPGRPGTPGDGSGSY	51,28	2428,13	26	-2,7	6,89E+06	A0A7R8UM91	Hypothetical protein	structural constituent of cuticle	
KVPVPQYPYVER	23,97	1407,79	12	-1	9,64E+06	A0A7R8URU7	Hypothetical protein	nd	
VNRYPYVPV	28,65	1039,58	9	-0,7	5,92E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
AVNRYPYVPV	38,09	1110,62	10	-0,7	9,67E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VPVAQYPYVER	36,19	1253,68	11	-1,1	6,74E+06	A0A7R8URU7	Hypothetical protein	nd	
GDYVPKTPDYIIR	45,68	1535,80	13	-1	6,24E+07	A0A7R8YSD0	Hypothetical protein	structural constituent of cuticle	
GYPIRIPVGAE	40,95	1170,64	11	-1,2	6,66E+06	A0A310SDR1	ATP synthase subunit beta	Enzyme	transporter activity

VPVPQYPVE	39,85	1123,59	10	-1,4	7,36E+07	A0A7R8URU7	Hypothetical protein	nd	
DIDYDYDYK	33,65	1208,49	9	-1,1	1,08E+07	A0A7R8UJC0	Hypothetical protein	Hemocyanin	
RNIPVPVDRPIHPV	43,66	1704,98	15	-1,2	6,44E+07	A0A7R8URU7	Hypothetical protein	nd	
GVGIPVPVQR	30,92	1020,61	10	-1,4	1,59E+08	A0A7R8URU7	Hypothetical protein	nd	
TPSLSPGSPGFPRPGTPGDGSGS	56,83	2265,07	25	-0,5	6,20E+06	A0A7R8UM91	Hypothetical protein	structural constituent of cuticle	
QVPHPVVPVE	31,91	1196,66	11	0,8	7,21E+07	A0A7R8URU7	Hypothetical protein	nd	
VPVDRPVVPVERPVV	37,2	1850,08	17	-0,4	2,58E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
SVNRPYPVPVSPV	44,75	1506,82	14	-0,3	3,69E+08	A0A7R8URU7	Hypothetical protein	nd	
PVDRPVVPVERPVV	30,05	1751,01	16	-1,3	3,18E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
GSHIPVAPPVE	50,74	1198,63	12	-1,7	9,21E+07	A0A7R8UKB6	Hypothetical protein	structural constituent of cuticle	
SKYTDDINIM	40,51	1198,55	10	-0,1	1,40E+07	A0A7R8UJC0	Hypothetical protein	Hemocyanin	
VPVDRPVVPVERPVP	26,65	1751,01	16	-1,3	1,80E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
GSRKGVNLPGVPVDLPAVS	45,82	1861,04	19	-1,6	1,15E+06	A0A2Z5REH8	Pyruvate kinase	Enzyme	transferase activity
KVPVPQYPVE	36,65	1251,69	11	-1	3,30E+08	A0A7R8URU7	Hypothetical protein	nd	
GPVKVLPDEPRV	27,58	1304,75	12	1,1	1,70E+05	A0A7R8YT79	Hypothetical protein	Enzyme	esterase
VDRPVVPIRE	30,97	1275,73	11	-0,8	1,40E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
RQVPYPVHV	22,6	1093,60	9	-1,5	1,41E+06	A0A7R8URU7	Hypothetical protein	nd	
VNRPYPVPVSPV	39,56	1419,79	13	-2,1	1,00E+08	A0A7R8URU7	Hypothetical protein	nd	
AVNRPYPVPVN	28,73	1224,66	11	-0,6	4,62E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VPVDRPVVPVERVPY	41,12	1914,07	17	-0,8	3,90E+07	B0WR94	Hypothetical protein	nd	
PVDRPVVPVERVPY	38,63	1815,00	16	0,1	6,53E+06	B0WR94	Hypothetical protein	nd	
INLPDDQYR	20,84	1132,55	9	-0,8	4,56E+06	A0A7R8URW5	Hypothetical protein	Muscular	Myosin complex
GGPGGPGGPGGPGGPGKPGSPFGPGGSPFGPG	48,19	2919,37	37	-1,6	9,73E+05	A0A7R8UM91	Hypothetical protein	structural constituent of cuticle	
VPVAQYPVE	31,55	1097,58	10	-1,1	4,62E+07	A0A7R8URU7	Hypothetical protein	nd	
VPVPQIPITVDRPVV	46,62	1611,93	15	-0,6	6,83E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
KRPYPVHVVPVDRPYPV	27,08	2017,13	17	-2,1	3,49E+07	A0A0L7LRD1	Putative cuticle protein	structural constituent of cuticle	
SVDRPVVPVERPVV	51,77	1740,99	16	-1,2	4,46E+08	A0A7R8URU7	Hypothetical protein	nd	
RKVPYPVHVVPVDRPYPV	46,21	2017,13	17	-0,4	1,59E+08	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity

VHVPAPYPVE	34,18	1106,58	10	-0,7	5,36E+07	A0A7R8URU7	Hypothetical protein	nd	
RQVPVPVQIPVDRPYPV	50,72	1958,11	17	-0,6	7,03E+07	A0A7R8URU7	Hypothetical protein	nd	
VQRNIPVPVDRPIHPV	22,56	1932,11	17	-2,3	2,47E+06	A0A7R8URU7	Hypothetical protein	nd	
NVPVDRPVVPVVERPVVPV	39,31	1964,12	18	-0,8	7,69E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
SVGVD RPVPVPV	35,08	1219,69	12	-0,2	1,56E+08	A0A7R8URU7	Hypothetical protein	nd	
VDRPVVPVVERPVVPV	30,62	1653,96	15	-0,5	7,56E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
RKVPYPVHVPVDRPVVPV	42,58	1953,13	17	-2,9	2,57E+08	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
QVNVVPVDRPVVPVVERPVVPV	34,61	2191,25	20	-1,3	9,65E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
KSYELPDGQVITIG	40,23	1518,79	14	-1,1	9,63E+06	A0A087ZMI4	Putative actin-related protein	Muscular	
LIVIDIPRIT	20,06	1151,73	10	-1,8	4,73E+06	A0A7R8YVB4	Hypothetical protein	calcium ion binding	
VPVDRPVVPVVERPVVPVQ	29,23	1978,14	18	-1,2	1,41E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
AVNRYPVPVNVDRPVVPVE	53,34	2312,26	21	-0,6	8,38E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VDRPVVPVQVPVDRPYPV	43,99	1931,06	17	-4,1	3,94E+06	A0A7R8URU7	Hypothetical protein	nd	
QVNVVPVDRPVVPVVERPVVPVQ	40,05	2319,31	21	-1,6	5,26E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
AVNRPVVPVSVVPVPQPY	61,53	1914,07	18	0	4,24E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
KVPVAQPYPVE	45,25	1225,67	11	-1,5	9,60E+07	A0A7R8URU7	Hypothetical protein	nd	
RVAPEEHPVLL	37,08	1258,70	11	-2	1,62E+07	A0A087ZMI4	Putative actin-related protein	Muscular	
AVHVPAPYPVE	41,95	1177,61	11	-1,3	5,16E+07	A0A7R8URU7	Hypothetical protein	nd	
VNRPVVPVPV	25,82	975,59	9	-0,3	3,67E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
KDPFTPSRPGAPEPS	48,9	1682,83	16	-4,1	4,78E+05	A0A7R8Z362	Hypothetical protein	ATP binding	
VPVQVPVPQPY	32,57	1221,68	11	-1,7	3,72E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VGVD RPVPVPV	26,13	1132,66	11	-1,9	1,62E+07	A0A7R8URU7	Hypothetical protein	nd	
NVPVPQPITVDRPVVPV	44,32	1725,98	16	-1,3	1,59E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
ELIVIDIPRIT	39,84	1280,77	11	-2,7	6,54E+06	A0A7R8YVB4	Hypothetical protein	calcium ion binding	
SVGVD RPVPVPVAY	35,28	1453,79	14	-0,4	2,06E+07	A0A7R8URU7	Hypothetical protein	nd	
QVNVVPVDRPVVPVPV	37,49	1513,86	14	-0,6	4,09E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VNVVPVDRPVVPVVERPVVPV	43,71	2063,19	19	-0,9	7,03E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
KSYELPDGQ	23,07	1035,49	9	-2,1	1,93E+07	A0A087ZMI4	Putative actin-related protein	Muscular	
SVGVD RPVPVPVA	36,81	1290,73	13	-0,5	4,34E+07	A0A7R8URU7	Hypothetical protein	nd	
SVDRPVVPVVERPVVPS	32,72	1828,13	17	-1	1,97E+06	A0A7R8URU7	Hypothetical protein	nd	

HVKVPVPQYPYV	41,57	1358,77	12	-1,2	4,66E+06	A0A7R8URU7	Hypothetical protein	nd	
NVPVDRPVPVPVERPVPVQ	52,48	2092,18	19	-1,6	5,07E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
RVPVPVDNPNVPVPY	57,09	1546,85	14	-0,3	1,61E+08	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
KSYELPDGQVITI	20,37	1461,77	13	-1,4	5,85E+06	A0A087ZMI4	Putative actin-related protein	Muscular	
QVPVQVPVPQPY	39,53	1349,73	12	-0,7	6,77E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VPVDRPVPVPVE	41,47	1301,73	12	-2	2,05E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
QVPVKVPVPQPY	26,95	1349,77	12	-0,3	9,76E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VPVKVPVPQPY	27,95	1221,71	11	-0,7	2,53E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
AVPVKVPVAQYPVE	24,92	1591,90	15	-1,1	1,34E+06	A0A7R8URU7	Hypothetical protein	nd	
NVDRPVPVPV	21,13	1090,61	10	-1,4	1,35E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
QVNVVPQPITVDRPVPV	57,33	1953,10	18	-4,1	1,22E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VKVPVPQYPVE	31,46	1350,75	12	-1,6	1,95E+07	A0A7R8URU7	Hypothetical protein	nd	
VDRPVPVQVPHVPVPVERPVPVPVE	46,21	2832,60	26	-1,1	1,88E+07	A0A7R8URU7	Hypothetical protein	nd	
IAVPVKVPVAQYPVE	54,06	1704,98	16	0,7	6,08E+06	A0A7R8URU7	Hypothetical protein	nd	
IVKVPVHIPAPYPVE	46,47	1656,96	15	-0,6	1,71E+06	A0A7R8UR83	Hypothetical protein	nd	
VDRPVPVQVPVQVPVPQPY	51,59	2112,17	19	-0,8	4,18E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VDRPVPVQVPHVPVPVERPVPVPV	51,49	2703,56	25	-1,4	3,15E+06	A0A7R8URU7	Hypothetical protein	nd	
VDRPVPVQVPHVPVPVE	51,53	1959,09	18	-4,6	3,47E+06	A0A7R8URU7	Hypothetical protein	nd	
VNVVPVQPITVDRPVPV	46,37	1825,05	17	-0,9	4,29E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
NRVPVPVDNPNVPVPY	63,56	1660,89	15	0,5	4,86E+08	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VNVVPDRPVPVPVERPVPVQ	47,03	2191,25	20	-3,7	6,91E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
AIPVPVKQIE	23,12	1092,65	10	-1,5	2,80E+07	A0A7R8URU7	Hypothetical protein	nd	
VPVKVPVAQYPVE	43,81	1520,86	14	-0,4	6,87E+06	A0A7R8URU7	Hypothetical protein	nd	
HVKVPVPQYPVE	53,02	1487,81	13	-0,7	8,46E+07	A0A7R8URU7	Hypothetical protein	nd	
VDRPVPVPVE	29,85	1105,61	10	-2,3	7,02E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
SVDRPVPVPVE	37,3	1192,65	11	0	7,69E+07	A0A7R8URU7	Hypothetical protein	nd	
QVNVVPDRPVPVPVERPVPVQV	27,13	2401,35	22	-0,4	2,60E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
TVDRPVPVPIRE	39,69	1376,78	12	0,4	1,23E+08	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
GIGTVPVGRVE	35,51	1082,61	11	-1	1,45E+07	B6ZCL2	Elongation factor 1 alpha	RNA binding	

QVNVVDRPVVPVPE	38,16	1642,90	15	-0,8	5,37E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VQVPVKVPVPQPY	39,2	1448,84	13	-0,8	1,13E+08	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VDRPVVPVEN	41,74	1219,66	11	-1	1,57E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
ENRVVPVVDNPVPVPY	58,39	1789,94	16	-1,5	9,93E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
DKKDYISY	26,11	1030,50	8	-1,2	4,83E+06	A0A7R8UJC0	Hypothetical protein	Hemocyanin	
VPVERPVVPVPE	47,3	1315,75	12	-1	1,28E+07	A0A7R8URU7	Hypothetical protein	nd	
TVDRPVVPVI	29,34	1091,63	10	-0,8	3,80E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VNVVPVDRPVVPVPE	51,25	1514,85	14	-0,5	6,08E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
NVDRPVVPVPE	42,84	1219,66	11	-1	1,71E+08	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
NVDRPVVPVEN	51,79	1333,70	12	-1	5,05E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VPVNVDRPVVPVPE	50,73	1514,85	14	-0,5	6,08E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
RAIPVPVKQIE	42,11	1248,76	11	-1,1	5,91E+07	A0A7R8URU7	Hypothetical protein	nd	
VPVNVDRPVVPVEN	56,93	1628,89	15	0,7	1,19E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
TVDRPVVPQVPVQVPVPQPY	60,69	2213,22	20	-1,4	6,85E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
TVQVPVKVPVPQPY	57,08	1549,89	14	-0,4	8,92E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
RTVQVPVKVPVPQPY	54,37	1705,99	15	-0,4	2,15E+08	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
RAIPVPVKQIEQV	39,49	1475,88	13	-0,4	6,71E+06	A0A7R8URU7	Hypothetical protein	nd	
TVDRPVVPV	23,72	881,50	8	-1,6	2,28E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
RQVPVPVTVQ	38,44	1121,66	10	-0,5	9,57E+07	A0A7R8URU7	Hypothetical protein	nd	
RTVQVPVKVPVPQ	41,32	1427,86	13	-0,1	2,59E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity

(B)

Peptide	- 10lgP	Mass	Length	ppm	Area Sample	Accession	Protein	Function	Sub-function
GPPGPPGPPGPPGPPGKFPL	62,26	1815,967	20	-0,3	2,74E+06	A0A7R8UM9 1	Hypothetical protein	structural constituent of cuticle	
GPGGGPGGKGGGGPGGPF	53,65	1445,705 1	18	-3,8	2,46E+06	A0A7R8UM9 1	Hypothetical protein	structural constituent of cuticle	
GPPGPPGPPGLPGKFPGST	67,28	1712,888 5	19	-0,7	4,40E+06	A0A7R8UM9 1	Hypothetical protein	structural constituent of cuticle	
GPGGGPGGKGGKGGGPL	58	1314,668	17	-1,8	2,39E+06	A0A7R8UM9 1	Hypothetical protein	structural constituent of cuticle	
SRPSIGLPGSPGLPL	44,76	1503,840 8	16	0,1	5,51E+06	A0A7R8UM9 1	Hypothetical protein	structural constituent of cuticle	

GAPGAPGSPGRPGSPIRPS	42,22	1713,891	19	-0,6	4,59E+06	A0A7R8UM9 1	Hypothetical protein	structural constituent of cuticle	
LPVPPPPQIPDIYVR	52,88	1797,018 8	16	-0,9	7,16E+07	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
GAPGAPGAPGSPGRPGTGPLS	52,32	1853,938 4	22	-0,1	3,47E+05	A0A7R8UM9 1	Hypothetical protein	structural constituent of cuticle	
HLPVPPPPQIPDIYVR	53,82	1934,077 8	17	-0,6	3,31E+08	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
AHLPVPPPPQIPDIYVR	60,43	2005,114 9	18	-1,5	4,47E+07	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
ASDPDYSIR	30,25	1022,466 9	9	-1	2,32E+06	A0A067RLP1	Catalase	Enzyme	response to oxidative stress
GPGGPGGPGFPGGPGGPGGKPGGPL	63,58	2038,002	26	-0,6	3,07E+06	A0A7R8UM9 1	Hypothetical protein	structural constituent of cuticle	
GFAGDDAPRA	39,38	975,441	10	-0,7	7,35E+06	A0A087ZMI4	Putative actin-related protein	Muscular	
GAHLPVPPPEPIPD	50,79	1531,803 5	15	-2	2,60E+07	A0A7R8V0P3	Hypothetical protein	structural constituent of cuticle	
GPGGPGGPKPGGPGGPGGPGGPGGPGGF	52,45	2290,087 9	30	0,1	2,27E+06	A0A7R8UM9 1	Hypothetical protein	structural constituent of cuticle	
HLPVPPPEPIPD	53,59	1403,744 9	13	-0,7	1,06E+07	A0A7R8V0P3	Hypothetical protein	structural constituent of cuticle	
KGGPGGPGGPGGPGGPGGPGGPGPF	59,26	2028,944 1	25	-0,7	1,65E+06	A0A7R8UM9 1	Hypothetical protein	structural constituent of cuticle	
GAHLPVPPPEPIPDY	66,39	1694,866 7	16	-1,5	4,33E+06	A0A7R8V0P3	Hypothetical protein	structural constituent of cuticle	
GAHLPVPPPPQIPDY	64,13	1693,882 7	16	-2	1,28E+07	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
GAHLPVPPPPQIPD	47,06	1530,819 3	15	-3,8	5,53E+07	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
HLPVPPPPQIPDY	45,68	1565,824 1	14	-0,8	3,07E+06	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
GLPGKFPPSRPSGSPGLPGL	52,12	2014,099 9	21	-1,5	3,47E+05	A0A7R8UM9 1	Hypothetical protein	structural constituent of cuticle	
HLPVPPPPQIPD	46,47	1402,760 9	13	-0,5	2,60E+07	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
PVDRPIPHV	32,09	1125,629 4	10	-1,3	2,16E+07	A0A7R8URU7	Hypothetical protein	nd	
GAHLPVPPPIPE	42,29	1222,670 9	12	-1,1	1,63E+08	A0A7R8V0Q1	Hypothetical protein	structural constituent of cuticle	
QIPVDRPYPV	24,38	1182,639 6	10	-1,7	3,05E+07	A0A7R8URU7	Hypothetical protein	nd	
IPVDRPYPV	30,72	1054,581 1	9	-0,6	1,04E+08	A0A7R8URU7	Hypothetical protein	nd	
AHLPVPPPPQIPD	39,82	1473,798	14	-1	4,04E+06	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
GAPGAPGAPGSPGRPGTGPLSIS	70,93	2054,054 4	24	-1,5	1,99E+07	A0A7R8UM9 1	Hypothetical protein	structural constituent of cuticle	

PVPVDRPIPHV	26,98	1321,750 6	12	-0,8	1,60E+08	A0A7R8URU7	Hypothetical protein	nd	
QVPHVPVPVERPVPVPV	59,86	1924,093 4	18	-1	1,07E+07	A0A7R8URU7	Hypothetical protein	nd	
GAHIPVPPPIE	42,29	1222,670 9	12	-1,1	1,63E+08	A0A6J1S563	larval cuticle protein 65Ag1-like	structural constituent of cuticle	
LPSLPSLSIKPVSPS	55,29	1617,934 1	16	-1,1	3,01E+06	A0A7R8UM9 1	Hypothetical protein	structural constituent of cuticle	
VPVDRPYPV	27,62	1040,565 4	9	-0,8	2,60E+08	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
TPDYIR	41,15	876,4705	7	0,1	9,61E+06	A0A7R8YSD0	Hypothetical protein	structural constituent of cuticle	
EELPGKPF	22,1	915,4702	8	0,4	3,27E+07	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
IPVPVDRPIPHV	48,57	1434,834 7	13	-0,6	3,33E+07	A0A7R8URU7	Hypothetical protein	nd	
GAHLVPPPVPE	44,27	1208,655 3	12	-1,5	3,38E+08	A0A7R8V1D0	Hypothetical protein	structural constituent of cuticle	
NIPVPVDRPIPHV	38,9	1531,851 1	14	-0,4	2,04E+08	A0A7R8URU7	Hypothetical protein	nd	
VPVPQPYPVER	24,78	1279,692 4	11	-0,3	9,84E+06	A0A7R8URU7	Hypothetical protein	nd	
KEELPGKPF	43,99	1043,565 1	9	-1,2	2,50E+07	A0A7R8V147	Hypothetical protein	structural constituent of cuticle	
SVPVPQPYPVE	40,44	1210,623 3	11	-1,8	5,41E+07	A0A7R8URU7	Hypothetical protein	nd	
QVPHVPVPVERPVPVPVE	55,63	2053,136	19	-1,6	9,40E+08	A0A7R8URU7	Hypothetical protein	nd	
TPSLSPGSPGFGRPGTPGDGSGSY	52,7	2428,129 4	26	0	4,03E+06	A0A7R8UM9 1	Hypothetical protein	structural constituent of cuticle	
VNRPYVPV	21,4	1039,581 4	9	-0,7	4,14E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
AVNRPYVPV	30,36	1110,618 5	10	-1,6	7,19E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
GDYVPKTPDYIR	49,91	1535,798 3	13	-1	4,22E+07	A0A7R8YSD0	Hypothetical protein	structural constituent of cuticle	
VPVPQPYPVE	36,04	1123,591 3	10	-1,4	9,35E+07	A0A7R8URU7	Hypothetical protein	nd	
RNIPVPVDRPIPHV	46,59	1704,978 8	15	-0,4	3,81E+07	A0A7R8URU7	Hypothetical protein	nd	
GVGIPVPVQR	30,28	1020,608	10	-1,2	1,42E+08	A0A7R8URU7	Hypothetical protein	nd	
IIAPPERKY	28,39	1085,623 3	9	-0,2	5,57E+07	A0A087ZMI4	Putative actin-related protein	Muscular	
QRNIPVPVDRPIPHV	58,56	1816,010 7	16	0,5	2,72E+06	A0A7R8URU7	Hypothetical protein	nd	
VPVDRPVPVPVERPVPV	32,65	1850,077 8	17	-1,5	2,86E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity

SVNRPYPVPVPSPV	44,33	1506,819 5	14	-1	3,18E+08	A0A7R8URU7	Hypothetical protein	nd	
PVDRPVVPVVERPVV	29,23	1751,009 3	16	-1,9	9,74E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
GSHIPVAPPVPE	45,27	1198,634 5	12	-1,7	1,11E+08	A0A7R8UKB6	Hypothetical protein	structural constituent of cuticle	
VDRPVVPIRE	33,3	1275,729 9	11	-1,2	2,93E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VNRPYPVPVPSPV	39,3	1419,787 4	13	-0,8	6,50E+07	A0A7R8URU7	Hypothetical protein	nd	
VPVDRPVVPVVERPV	34,97	1653,956 5	15	-1,2	7,62E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VPVAQYPVPE	32,45	1097,575 7	10	-1	1,98E+07	A0A7R8URU7	Hypothetical protein	nd	
VNRPYPVPVN	28,66	1153,624 4	10	-2,1	1,28E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
SVDRPVVPVVERPVV	42,56	1740,988 5	16	-0,5	5,45E+08	A0A7R8URU7	Hypothetical protein	nd	
VHVPAPYPVE	40,76	1106,576	10	-0,7	4,36E+07	A0A7R8URU7	Hypothetical protein	nd	
NVPVDRPVVPVVERPVV	41,21	1964,120 6	18	-0,9	6,08E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
SVGDRPVVPV	34,27	1219,692 4	12	-0,1	1,39E+08	A0A7R8URU7	Hypothetical protein	nd	
VDRPVVPVVERPVV	27,85	1653,956 5	15	-1,2	7,62E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VPVDRPVVPVVERPVVQ	44,07	1978,136 4	18	-0,1	1,74E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
QVNVVDRPVVPVVERPVVQ	49,02	2302,279 8	21	-0,2	1,14E+08	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
KVPVAQYPVPE	43,62	1225,670 7	11	-0,3	1,48E+08	A0A7R8URU7	Hypothetical protein	nd	
AVNRPVPVPV	23,42	1046,623 7	10	-1	1,14E+08	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VNRPVPVPV	21,23	975,5865	9	-1,4	6,70E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VGVDRPVVPV	29,1	1132,660 4	11	-0,3	3,93E+07	A0A7R8URU7	Hypothetical protein	nd	
DRPVVPVPE	21,23	1006,544 7	9	-1,5	1,00E+04	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VNVPVDRPVVPVVERPVV	47	2063,189	19	-0,8	6,73E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
SVGDRPVVPVPA	38,87	1290,729 5	13	-0,5	4,45E+07	A0A7R8URU7	Hypothetical protein	nd	
NVPVDRPVVPVVERPVVQ	49,33	2092,179 2	19	-1,6	3,77E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
RVPVPVDNPVPVY	60,06	1546,850 7	14	-0,3	1,96E+08	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity

VPVDRPVVPVE	31,15	1301,734 3	12	-0,8	8,51E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VPVDRPVVPVQ	39,81	1104,629 2	10	-0,4	3,34E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VPVKVPVPQPY	28,9	1221,712 2	11	-0,7	3,16E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
HVPVDRPVVPVQ	38,88	1241,688	11	-0,1	4,23E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
NRVPVPVDNPVPVPY	65,2	1660,893 7	15	-0,2	2,69E+08	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VDQPQKVIR	42,04	1180,692 7	10	-1,5	8,82E+06	A0A7R8UHR0	Hypothetical protein	Hemocyanin	
VNVVPDRPVVPVERPVVPVQ	47,22	2191,247 6	20	-3,4	4,85E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VPVKVPVAQPYPVE	41,95	1520,860 2	14	-0,6	1,23E+07	A0A7R8URU7	Hypothetical protein	nd	
HVKVPVPQYPVE	53,2	1487,813 6	13	-0,8	8,02E+07	A0A7R8URU7	Hypothetical protein	nd	
VDRPVVPVE	20,64	1105,613 2	10	-1,1	4,46E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
SVDRPVVPVE	32,2	1192,645 1	11	-1	3,20E+07	A0A7R8URU7	Hypothetical protein	nd	
TVDRPVVPPIRE	33,03	1376,777 6	12	0,5	1,37E+08	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
QVNVVPDRPVVPVE	27,59	1625,877 7	15	0,2	7,28E+06	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VQVPVKVPVPQPY	37,96	1448,839 1	13	-1,8	9,69E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
VDRPVVPVEN	40,8	1219,656	11	0,3	2,43E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
RAIPVPVKQ	28,1	1006,628 7	9	-0,9	1,01E+07	A0A7R8URU7	Hypothetical protein	nd	
DKKDYISY	32,33	1030,497 1	8	-1,1	4,73E+07	A0A7R8UJC0	Hypothetical protein	Hemocyanin	
VPVERPVVPVE	37,74	1315,749 9	12	-2,1	3,03E+06	A0A7R8URU7	Hypothetical protein	nd	
VNVVPDRPVVPVE	48,55	1514,845 6	14	-0,3	3,51E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
NVDRPVVPVE	48,72	1219,656	11	-1	1,27E+08	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
NVDRPVVPVEN	55,37	1333,699	12	-0,8	6,04E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
TVQVPVKVPVPQPY	55,67	1549,886 7	14	-0,3	7,25E+07	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
RTVQVPVKVPVPQPY	53,38	1705,987 9	15	-0,9	1,40E+08	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity
TVDRPVVPV	31,08	881,4971	8	0	1,64E+08	A0A7R8URQ8	Hypothetical protein	enzyme	transferase activity