

Accession Number	Sequence	Observed Mass (Da)	Theoretical Mass (Da)	Mass Diff (Da)	Mass Diff (ppm)	Expectation Value
P60709	IWHHTFYNELRVAPEEHPVLLTEAPLNPK	3449.81	3449.79	0.02	4.38	2.E-78
Q9H0A0	VLETPQEIHVSSEAVSLLEEVIPTPK	3003.62	3003.61	0.01	4.40	5.E-72
Q15393	FVIHPESNNLIIE TDHNAYTEATK	2868.43	2868.43	0.00	1.20	6.E-71
O43395	TPSSSQPERLPIGNTIQPSQAATFMNDAIEK	3327.65	3327.64	0.01	1.75	2.E-68
Q9H0A0	VLETPQEIHVSSEAVSLLEEVIPTPK	3004.56	3003.61	0.95	314.80	7.E-68
Q9H0A0	VLETPQEIHVSSEAVSLLEEVIPTPK	3003.62	3003.61	0.01	4.70	7.E-68
P60709	IWHHTFYNELRVAPEEHPVLLTEAPLNPK	3449.81	3449.79	0.02	4.76	1.E-67
P61978	IDEPLGSEDRIITITGTQDQIQNAQYLLQNSVK	3828.95	3828.94	0.01	2.61	2.E-66
Q53HU8	LLEGEESRISLPLPNFSSLNLRETNLDLPLVDTHSK	4133.16	4133.16	0.00	0.73	4.E-65
P60709	IWHHTFYNELRVAPEEHPVLLTEAPLNPK	3449.79	3449.79	0.00	0.62	2.E-64
Q03252	DLESLFHRSEVELAAALSDK	2229.13	2229.13	0.00	-1.02	4.E-62
P60709	IWHHTFYNELRVAPEEHPVLLTEAPLNPK	3449.79	3449.79	0.00	0.33	4.E-61
P60709	IWHHTFYNELRVAPEEHPVLLTEAPLNPK	3449.74	3449.79	-0.05	-14.92	4.E-61
Q03252	DLESLFHRSEVELAAALSDK	2229.13	2229.13	0.00	-0.21	7.E-61

Q5VU20	DELTDLQSNVTEETPEGEEHHPVADTENK	3377.48	3377.47	0.01	3.18	1.E-59
P05783	VIDDTNITRLQLETEIEALK	2313.25	2313.24	0.01	2.93	2.E-57
P60709	IWHHTFYNELRVAPEEHPVLLTEAPLNPK	3449.80	3449.79	0.01	2.99	2.E-56
P09651	GGNFGGRSSGPYGGGGQYFAK	2019.93	2019.92	0.01	2.82	3.E-56
P06748	VDNDENEHQLSLRTVSLGAGAK	2357.15	2352.17	4.98	2111.49	6.E-56
P06748	VDNDENEHQLSLRTVSLGAGAK	2352.17	2352.17	0.00	-0.48	6.E-56
P06748	VDNDENEHQLSLRTVSLGAGAK	2352.13	2352.17	-0.04	-15.57	6.E-56
O43395	TPSSSQPERLPIGNTIQPSQAATFMNDAIEK	3327.64	3327.64	0.00	-0.18	1.E-55
Q12905	RNQDLAPNSAEQASILSLVTK	2254.19	2254.19	0.00	1.55	2.E-55
Q12905	RNQDLAPNSAEQASILSLVTK	2254.16	2254.19	-0.03	-14.15	2.E-55
P08107	DAGVIAGLNVLRRIINEPTAAAIYGLDRTGK	3151.74	3151.74	0.00	0.11	3.E-55
Q8WWI1	EVAATEEDVTRLPSPTSPFSSLSQDQAATSK	3248.58	3248.57	0.01	2.49	5.E-55
P61978	GSDFDCELRLLIHQSLAGGIIGVK	2597.36	2597.36	0.00	1.54	1.E-54
Q7L4M3	GQRASLEAAIADAEQRGELAIK	2296.22	2296.21	0.01	2.32	1.E-54
O60506	LDEIYVAGLVAHSDLDERAIEALK	2639.38	2639.38	0.00	-1.47	1.E-54

P06748	VDNDENEHQLSLRTVSLGAGAK	2353.13	2352.17	0.96	408.64	3.E-54
P06748	VDNDENEHQLSLRTVSLGAGAK	2352.17	2352.17	0.00	-0.35	3.E-54
Q14978	(41)ADAGIRRVVPSDLYPLVLGFLRDNQLSEVANK	3566.93	3566.92	0.01	1.80	6.E-54
P62241	TRIIDVVYNASNELVRTK	2204.19	2204.19	0.00	0.95	1.E-52
Q9UKM9	SNIDALLSRLEQIAAEQK	1998.07	1998.07	0.00	-0.12	3.E-52
O60506	LDEIYVAGLVAHSDLDERAIEALK	2639.38	2639.38	0.00	-0.60	4.E-52
P09651	GGNFGGRSSGPYGGGGQYFAK	2019.93	2019.92	0.01	2.53	5.E-52
P05783	YETELAMRQSVENDIHGLRK	2388.19	2388.19	0.00	1.98	7.E-52
P06748	VDNDENEHQLSLRTVSLGAGAK	2357.15	2352.17	4.98	2112.42	1.E-51
P06748	VDNDENEHQLSLRTVSLGAGAK	2353.13	2352.17	0.96	409.15	1.E-51
P06748	VDNDENEHQLSLRTVSLGAGAK	2352.17	2352.17	0.00	-1.20	1.E-51
O95926	(41)AAIAASEVLVDSAEEGSLAAAAELAAQK	2697.37	2697.37	0.00	1.29	1.E-51
O75367	NGPLEVAGAAVSAGHGLPAK	1814.96	1814.96	0.00	-0.46	4.E-51
O60506	LDEIYVAGLVAHSDLDERAIEALK	2639.38	2639.38	0.00	-0.60	1.E-50
O60506	LDEIYVAGLVAHSDLDERAIEALK	2642.42	2639.38	3.04	1152.21	3.E-50

P61978	GSDFDCELRLLIHQSLAGGIIGVK	2597.37	2597.36	0.01	2.04	8.E-50
Q7L4M3	GQRASLEAAIADAEQRGELAIK	2296.21	2296.21	0.00	1.67	8.E-50
Q7L4M3	GQRASLEAAIADAEQRGELAIK	2296.18	2296.21	-0.03	-13.75	8.E-50
O75367	GRVTPRHILLAVANDEELNQLLK	2598.46	2598.46	0.00	0.19	2.E-49
O75367	GRVTPRHILLAVANDEELNQLLK	2598.41	2598.46	-0.05	-18.09	2.E-49
Q5VU20	DELTDLDQSNVTEETPEGEEHHPVADTENK	3377.48	3377.47	0.01	3.89	4.E-49
P09651	GGNFGGRSSGPYGGGGQYFAK	2019.92	2019.92	0.00	0.50	4.E-49
Q32Q82	PSSSPVIFAGGQAYTIQQQYAIPQPDLTk	3034.54	3033.54	1.00	331.02	4.E-49
O60506	LDEIYVAGLVAHSDLDERAIEALK	2639.38	2639.38	0.00	-1.77	1.E-48
Q7L4M3	GQRASLEAAIADAEQRGELAIK	2296.21	2296.21	0.00	1.41	3.E-48
P61978	GSDFDCELRLLIHQSLAGGIIGVK	2597.36	2597.36	0.00	-1.58	4.E-48
P61978	GSDFDCELRLLIHQSLAGGIIGVK	2590.33	2597.36	-7.03	-2712.08	4.E-48
P07355	GLGTDEDSLIEIICSRTNQELQEINRVYK	3400.78	3392.69	8.09	2378.59	5.E-48
P07355	GLGTDEDSLIEIICSRTNQELQEINRVYK	3393.70	3392.69	1.01	296.89	5.E-48
P61978	IDEPLEGSEDRIITITGTQDQIQNAQYLLQNSVK	3828.95	3828.94	0.01	2.38	7.E-48

Q15029	ILAQVVGDVDTSLPRTLDELGIHLTK	2802.56	2802.55	0.01	2.34	7.E-48
Q14254	VTSEVNRLLAELPASVHALTGVDLSK	2718.49	2718.49	0.00	0.58	2.E-47
P11142	DAGTIAGLNVLRIINEPTAAAIYGLDK	2839.53	2839.54	-0.01	-2.11	2.E-47
P11142	DAGTIAGLNVLRIINEPTAAAIYGLDK	2839.48	2839.54	-0.06	-20.70	2.E-47
P05783	YETELAMRQSVENDIHGLRK	2388.20	2388.19	0.01	2.28	2.E-47
O75367	NGPLEVAGAAVSAGHGLPAK	1814.96	1814.96	0.00	0.26	3.E-47
Q92499	GHVDILAPTVQELAALEK	1903.04	1903.04	0.00	-1.43	8.E-47
P26599	NNQFQALLQYADPVSAQHAK	2242.12	2242.11	0.01	2.65	8.E-47
P60709	IWHHTFYNELRVAPEEHPVLLTEAPLNPK	3449.80	3449.79	0.01	2.93	9.E-47
P52272	(41)AAGVEAAAEVAATEIK	1541.79	1541.79	0.00	-0.12	5.E-46
P52272	(41)AAGVEAAAEVAATEIK	1541.76	1541.79	-0.03	-16.53	5.E-46
Q7L4M3	GQRASLEAAIADAEQRGELAIAK	2296.21	2296.21	0.00	1.37	7.E-46
O75367	NGPLEVAGAAVSAGHGLPAK	1814.96	1814.96	0.00	0.20	7.E-46
Q53HU8	LLEGEESRISLPLPNFSSLNLRETNLDLPLVDTHSK	4133.17	4133.16	0.01	3.20	9.E-46
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	0.49	2.E-45

P08758	VLTEIIASRTPEELRAIK	2038.15	2038.18	-0.03	-13.69	2.E-45
O00571	PLPPSERLEQELFSGGNTGINFEK	2658.33	2658.33	0.00	-0.75	2.E-45
P07355	GRRRAEDGSVIDYELIDQDARDLYDAGVK	3138.52	3138.52	0.00	1.08	2.E-45
P07355	GRRRAEDGSVIDYELIDQDARDLYDAGVK	3134.62	3138.52	-3.90	-1243.73	2.E-45
Q9UQE7	LEGIITRVETYLNENLRK	2160.19	2160.19	0.00	1.74	4.E-45
Q9UQE7	LEGIITRVETYLNENLRK	2160.16	2160.19	-0.03	-15.43	4.E-45
P08758	(41)AQLVLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	1.25	5.E-45
O43390	VLFVRNLATTVTEEILEK	2074.17	2074.17	0.00	0.69	9.E-45
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	1.28	1.E-44
O43390	VLFVRNLATTVTEEILEK	2070.21	2074.17	-3.96	-1912.69	1.E-44
P05783	YETELAMRQSVENDIHGLRK	2388.20	2388.19	0.01	2.57	1.E-44
Q13885	GHYTEGAELVDSVLDVVRK	2086.07	2086.07	0.00	1.23	2.E-44
Q13283	LPNFGFVVFDDSEPVQK	1936.97	1936.96	0.01	2.98	3.E-44
P51991	RGFAFVTFDDHDTVDK	1868.87	1868.87	0.00	0.06	3.E-44
Q53HU8	LLEGEESRISLPLPNFSSLNLRNLDLPLVDTHSK	4133.17	4133.16	0.01	3.39	4.E-44

P07355	GLGTDEDSLIEIICSRTNQELQEINRVYK	3399.78	3392.69	7.09	2086.06	4.E-44
P07355	GLGTDEDSLIEIICSRTNQELQEINRVYK	3392.69	3392.69	0.00	0.66	4.E-44
P51991	GGSFGRSSGSPYGGGYGSGGGSGGYGSRRF	2831.24	2831.24	0.00	0.26	4.E-44
Q7L4M3	GQRASLEAAIADAEQRGELAİK	2296.21	2296.21	0.00	-0.55	5.E-44
P06748	VDNDENEHQSLRRTVSLGAGAK	2352.17	2352.17	0.00	0.41	5.E-44
Q16576	IGEEQSAEDAEDGPELLFIHGHTAK	2846.35	2846.34	0.01	3.02	7.E-44
Q8IY81	HRILDPEGLALGAVIASSK	1946.09	1946.09	0.00	0.85	7.E-44
Q15393	FVIHPESNNLIIETDHNAYTEATK	2868.43	2868.43	0.00	1.34	9.E-44
P05783	VIDDTNITRLQLETEIEALK	2313.25	2313.24	0.01	3.45	9.E-44
P67809	GAEAAVNTGPGGVPVQGSK	1694.86	1694.86	0.00	2.82	9.E-44
Q86V81	LLVSNLDFGVSDADIQELFAEFGTLK	2840.45	2840.45	0.00	-1.14	1.E-43
P32969	DELILEGNDIELVSNAAIQQATTVK	2883.51	2883.51	0.00	0.61	1.E-43
Q9H0S4	IQIEAIPALQGRDIIGLAETGSGK	2565.17	2562.44	2.73	1063.74	1.E-43
Q9H0S4	IQIEAIPALQGRDIIGLAETGSGK	2562.45	2562.44	0.01	2.21	1.E-43
Q7L4M3	GQRASLEAAIADAEQRGELAİK	2296.21	2296.21	0.00	1.93	1.E-43

Q3BDU5	LVRSVTVVEDDEDEDGDDLLHHHHVSGSRR	3422.62	3422.62	0.00	-0.22	2.E-43
P06748	VDNDENEHQLSLRTVSLGAGAK	2352.17	2352.17	0.00	-0.01	2.E-43
P06748	VDNDENEHQLSLRTVSLGAGAK	2352.11	2352.17	-0.06	-26.28	2.E-43
P07355	GRRRAEDGSVIDYELIDQDARDLYDAGVK	3138.52	3138.52	0.00	1.14	2.E-43
Q9NWH9	(41)AAATGAVAASAASGQAEGK	1629.80	1629.80	0.00	2.32	2.E-43
Q9NWH9	(41)AAATGAVAASAASGQAEGK	1629.78	1629.80	-0.02	-15.10	2.E-43
Q15427	(41)AAGPISERNQDATVYVGGGLDEK	2331.14	2331.13	0.01	3.84	3.E-43
Q13283	LPNFGFVVFDDSEPVQK	1936.97	1936.96	0.01	2.77	4.E-43
P52272	(41)AAGVEAAAEVAATEIK	1541.79	1541.79	0.00	-0.18	7.E-43
P52272	(41)AAGVEAAAEVAATEIK	1541.77	1541.79	-0.02	-14.32	7.E-43
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	0.79	9.E-43
Q9Y265	IRAQTEGINISEEALNHLGEIGTK	2592.36	2592.35	0.01	2.70	1.E-42
P05783	VIDDTNITRLQLETEIEALK	2313.25	2313.24	0.01	2.72	1.E-42
P06748	VDNDENEHQLSLRTVSLGAGAK	2352.17	2352.17	0.00	0.03	1.E-42
P67809	GAEAAVNTGPGGVPVQGSK	1694.86	1694.86	0.00	2.71	2.E-42

P09651	GGNFGGRSSGPYGGGGQYFAK	2019.92	2019.92	0.00	0.30	2.E-42
P09651	GGNFGGRSSGPYGGGGQYFAK	2019.89	2019.92	-0.03	-14.90	2.E-42
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2834.40	2833.44	0.96	338.58	2.E-42
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	0.05	2.E-42
Q7L4M3	GQRASLEAAIADAEQRGELAIAK	2296.21	2296.21	0.00	0.93	2.E-42
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	0.49	3.E-42
Q71U36	TIGGGDDSFNTFFSETGAGK	2006.90	2006.89	0.01	2.88	3.E-42
P05783	VIDDTNITRLQLETEIEALK	2313.25	2313.24	0.01	2.50	3.E-42
Q12905	RNQDLAPNSAEQASILSLVTK	2254.19	2254.19	0.00	2.18	3.E-42
Q12905	RNQDLAPNSAEQASILSLVTK	2253.16	2254.19	-1.03	-455.00	3.E-42
Q92841	APILIATDVASRGLDVEDVK	2081.14	2081.14	0.00	0.35	3.E-42
P08107	DAGVIAGLNVLRIINEPTAAAIYGLDRTGK	3153.74	3151.74	2.00	635.04	4.E-42
Q9Y4Y9	(41)AANATTNPSQLLPLELVDK	2036.08	2036.08	0.00	1.14	5.E-42
P08758	VLTEIIASRTPEELRAIK	2038.15	2038.18	-0.03	-13.74	5.E-42
Q71U36	TIGGGDDSFNTFFSETGAGK	2006.90	2006.89	0.01	3.53	5.E-42

A6NI71	ALPLIVGAQLIHADK	1557.92	1557.92	0.00	-1.36	5.E-42
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	0.62	6.E-42
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.40	2833.44	-0.04	-14.70	6.E-42
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	0.54	6.E-42
Q12905	RNQDLAPNSAEQASILSLVTK	2254.20	2254.19	0.01	3.42	9.E-42
P67809	GAEAANVTGPGGVPVQGSK	1694.86	1694.86	0.00	2.88	1.E-41
P35659	SICEVLDLERSGVNSELVK	2146.10	2146.09	0.01	2.91	1.E-41
Q15029	ILAQVVGVDVDTSLPRTLDELGIHLTK	2802.55	2802.55	0.00	-1.41	1.E-41
Q7L4M3	GQRASLEAAIADAEQRGELAIK	2296.21	2296.21	0.00	-0.16	1.E-41
P34931	VEIANDQGNRTTPSYVAFTDTERLIGDAAK	3364.69	3364.69	0.00	0.10	2.E-41
Q9H0S4	IQIEAIPALQGRDIIGLAETGSGK	2565.17	2562.44	2.73	1063.08	2.E-41
Q08211	AENNSEVGASGYGVPGPTWDRGANLK	2645.25	2645.25	0.00	1.23	3.E-41
P46782	WSTDDVQINDISLQDYIAVK	2322.14	2322.14	0.00	1.88	3.E-41
P36578	APIRPDIVNFVHTNLRK	1989.13	1989.13	0.00	2.07	3.E-41
P11142	SINPDEAVAYGAAVQAAILSGDK	2259.14	2259.14	0.00	-0.68	3.E-41

Q9H0S4	IQIEAIPALQGRDIIGLAETGSGK	2562.44	2562.44	0.00	1.74	4.E-41
P07355	GLGTDEDSLIEIICSRTNQELQEINRVYK	3392.70	3392.69	0.01	1.81	5.E-41
P06748	VDNDENEHQLSLRTVSLGAGAK	2352.17	2352.17	0.00	0.33	5.E-41
P06748	VDNDENEHQLSLRTVSLGAGAK	2352.11	2352.17	-0.06	-23.99	5.E-41
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	1.22	5.E-41
P60709	YPIE(317)HGIVTNWDDMEK	1959.87	1959.90	-0.03	-16.58	1.E-40
P67809	GAEAANVTGPGGVPVQGSK	1694.87	1694.86	0.01	3.24	1.E-40
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	-0.31	1.E-40
P60709	YPIE(317)HGIVTNWDDMEK	1959.91	1959.90	0.01	2.97	1.E-40
P34931	VEIANDQGNRTTPSYVAFTDTERLIGDAAK	3364.70	3364.69	0.01	1.89	1.E-40
Q13885	GHYTEGAELVDSVLDVVRK	2086.07	2086.07	0.00	0.51	1.E-40
P05783	GLQAQIASSGLTVEVDAPK	1885.01	1883.00	2.01	1067.49	1.E-40
Q9Y265	IRAQTEGINISEEALNHLGEIGTK	2592.36	2592.35	0.01	2.59	2.E-40
Q9UQE7	RLDQVEQELNELRETEGGTVLTATTSELEINK	3685.87	3685.86	0.01	1.41	2.E-40
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	-0.19	2.E-40

P02533	TEELNREVATNSELVQSGK	2103.04	2103.04	0.00	1.82	2.E-40
P02533	TEELNREVATNSELVQSGK	2102.99	2103.04	-0.05	-21.43	2.E-40
P60709	YPIE(317)HGIVTNWDDMEK	1958.05	1959.90	-1.85	-945.32	2.E-40
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	0.16	2.E-40
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.38	2833.44	-0.06	-19.43	2.E-40
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	-0.55	3.E-40
P07355	GLGTDEDSLIEIICSRTNQELQEINRVYK	3392.69	3392.69	0.00	0.60	3.E-40
P08670	TVETRDGQVINETSQHHDDLE	2422.11	2422.10	0.01	3.49	3.E-40
P67809	GAEAAANVTGPGGVPVQGSK	1694.87	1694.86	0.01	3.30	3.E-40
P60709	YPIE(317)HGIVTNWDDMEK	1959.91	1959.90	0.01	3.83	4.E-40
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	1.47	4.E-40
Q5BKZ1	RESVLTATSILNNPIVK	1854.06	1854.06	0.00	-0.72	4.E-40
Q9NSI2	GEAAPGPAPPAPEATPPPASAAGK	2108.05	2108.05	0.00	1.21	4.E-40
P60709	YPIE(317)HGIVTNWDDMEK	1959.88	1959.90	-0.02	-12.24	4.E-40
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	1.18	4.E-40

Q14683	PAPFFVLDEIDAALDNTNIGK	2259.14	2259.14	0.00	-0.07	5.E-40
O00571	SPILVATAVAARGLDISNVK	1994.15	1994.15	0.00	-0.24	5.E-40
P60709	YPIE(317)HGIVTNWDDMEK	1959.90	1959.90	0.00	1.59	5.E-40
P11142	SQIHDIIVLVGGSTRIPK	1819.03	1819.03	0.00	0.14	6.E-40
O75367	AASADSTTEGTPADGFTVLSTK	2126.00	2126.00	0.00	0.52	8.E-40
O60506	LDEIYVAGLVAHSDLDERAIEALK	2641.42	2639.38	2.04	774.14	8.E-40
P23396	KPLPDHVSIVEPKDEILPTTPISEQK	2909.57	2909.57	0.00	0.61	8.E-40
P08758	VLTEIIASRTPEELRAIK	2038.15	2038.18	-0.03	-14.13	1.E-39
O60506	ALLERTGYTLDVTTGQRK	2025.08	2021.09	3.99	1968.26	1.E-39
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	0.53	1.E-39
Q8TDN6	TLLPHDPTADVFTPAEEK	2079.06	2079.05	0.01	2.89	1.E-39
Q15393	TPVEEVPAAIAPFQGRVLIGVGK	2347.33	2347.33	0.00	1.45	1.E-39
P23396	KPLPDHVSIVEPKDEILPTTPISEQK	2914.42	2909.57	4.85	1663.55	1.E-39
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	0.64	1.E-39
P0C0S8	VTIAQGGVLPNIQAVLLPK	1930.16	1930.16	0.00	0.32	2.E-39

P08670	TVETRDGQVINETSQHHDDLE	2422.11	2422.10	0.01	3.53	2.E-39
P16403	(51)SETAPAAPAAAPPAEK	1519.75	1519.75	0.00	-1.00	2.E-39
P16403	(51)SETAPAAPAAAPPAEK	1519.73	1519.75	-0.02	-16.07	2.E-39
P11142	SQIHDIVLVGGSTRIPK	1819.03	1819.03	0.00	-0.08	3.E-39
P05783	YETELAMRQSVENDIHGLRK	2388.20	2388.19	0.01	2.95	3.E-39
Q92841	APILIATDVASRGLDVEDVK	2081.14	2081.14	0.00	-0.28	4.E-39
P67809	GAEAANVTGPGGVPVQGSK	1694.87	1694.86	0.01	3.41	4.E-39
Q9Y3C1	PYVLNDLEAEASLPEK	1786.90	1786.90	0.00	1.31	4.E-39
P26368	LFIGGLPNYLNDQVK	1804.95	1804.94	0.01	3.04	5.E-39
Q8WWI1	RTPNNVSTPAPSPDASQLASSLSSQK	2738.38	2738.38	0.00	1.76	5.E-39
Q14683	PAPFFVLDEIDAALDNTNIGK	2259.14	2259.14	0.00	0.51	5.E-39
Q14683	PAPFFVLDEIDAALDNTNIGK	2259.10	2259.14	-0.04	-15.74	5.E-39
P83916	KVEEVLEEEEEYYVEK	2108.00	2108.00	0.00	1.60	5.E-39
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	0.30	6.E-39
P19338	VEGTEPTTAFNLFVGNLNFNK	2315.13	2311.15	3.98	1720.97	6.E-39

P19338	VEGTEPTTAFNLFVGNLNFNK	2311.15	2311.15	0.00	-0.70	6.E-39
Q86V81	LLVSNLDFGVSDADIQELFAEFGTLK	2840.45	2840.45	0.00	-0.64	7.E-39
P34931	VEIANDQGNRTTPSYVAFTDTERLIGDAAK	3364.69	3364.69	0.00	0.37	8.E-39
P61978	GSDFDCELRLLIHQSLAGGIIGVK	2597.36	2597.36	0.00	-1.00	8.E-39
P61978	GSDFDCELRLLIHQSLAGGIIGVK	2590.33	2597.36	-7.03	-2712.62	8.E-39
O75367	AASADSTTEGTPADGFTVLSTK	2126.00	2126.00	0.00	0.57	8.E-39
P19338	VEGTEPTTAFNLFVGNLNFNK	2311.15	2311.15	0.00	0.29	8.E-39
Q07020	TAVVVGITDDVRVQEVPK	2025.11	2025.11	0.00	0.31	8.E-39
P52597	ITGEAFVQFASQELAEK	1866.95	1866.94	0.01	3.80	9.E-39
P05783	VIDDTNITRLQLETEIEALK	2313.25	2313.24	0.01	3.71	9.E-39
Q71U36	TIGGGDDSFNTFFSETGAGK	2013.87	2006.89	6.98	3464.28	1.E-38
P11021	ITITNDQNRLTPEEIERMVNDAEK	2828.40	2828.40	0.00	0.00	1.E-38
P11021	ITITNDQNRLTPEEIERMVNDAEK	2826.50	2828.40	-1.90	-673.13	1.E-38
O60506	VLFVRNLANTVTEEILEK	2087.16	2087.16	0.00	-1.30	1.E-38
P02545	RTLEGELHDLRGQVAK	1820.99	1820.99	0.00	0.19	1.E-38

P62241	TRIIDVVYNASNNELVRTK	2204.19	2204.19	0.00	0.32	1.E-38
P34931	VEIANDQGNRTTPSYVAFTDTERLIGDAAK	3364.69	3364.69	0.00	-0.11	2.E-38
Q71U36	TIGGGDDSFNTFFSETGAGK	2006.90	2006.89	0.01	4.42	2.E-38
O60506	ALLERTGYTLDVTTGQRK	2025.08	2021.09	3.99	1968.31	2.E-38
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	0.48	2.E-38
Q8WWI1	EVAATEEDVTRLPSPTSPFSSLSQDQAATSK	3248.58	3248.57	0.01	2.98	2.E-38
P08758	VLTEIIASRTPEELRAIK	2038.15	2038.18	-0.03	-14.08	2.E-38
Q9Y3C1	PYVLNDLEAEASLPEK	1786.90	1786.90	0.00	0.92	2.E-38
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	0.59	3.E-38
Q92499	ALIVEPSRELAEQTLNNIK	2137.17	2137.17	0.00	-0.44	3.E-38
P07355	AYTNFDAERDALNIETAIK	2154.07	2154.06	0.01	2.75	3.E-38
P08758	(41)AQLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	1.33	3.E-38
O60506	LDEIYVAGLVAHSDLDERAIEALK	2641.42	2639.38	2.04	773.83	3.E-38
P19388	IIRPSETAGRYITYRLVQ	2135.19	2135.19	0.00	0.89	4.E-38
P04083	ALTGHLEEVVLALLK	1604.95	1604.95	0.00	1.69	4.E-38

P04083	ALTGHLEEVVLALLK	1604.92	1604.95	-0.03	-16.07	4.E-38
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	-0.31	5.E-38
P67809	GAEAANVTGPGGVPVQGSK	1694.86	1694.86	0.00	2.94	6.E-38
Q9Y224	NAEPLINLDVNNPDFK	1811.91	1811.91	0.00	0.97	6.E-38
Q9Y224	NAEPLINLDVNNPDFK	1811.88	1811.91	-0.03	-18.02	6.E-38
P05783	GLQAQIASSGLTVEVDAPK	1884.01	1883.00	1.01	536.59	6.E-38
P52597	ITGEAFVQFASQELA EK	1866.95	1866.94	0.01	2.78	7.E-38
P11142	SINPDEAVAYGAAVQAAILSGDK	2259.14	2259.14	0.00	-0.72	7.E-38
P02533	TEELNREVATNSELVQSGK	2103.04	2103.04	0.00	1.78	8.E-38
P02533	TEELNREVATNSELVQSGK	2102.99	2103.04	-0.05	-21.43	8.E-38
Q53F64	IFVGGLNPEATEEK	1502.76	1502.76	0.00	-0.82	8.E-38
Q53F64	IFVGGLNPEATEEK	1502.74	1502.76	-0.02	-16.53	8.E-38
P46782	WSTDDVQINDISLQDYIAVK	2322.14	2322.14	0.00	0.64	9.E-38
Q07020	TAVVVGITDDVRVQEVPK	2025.11	2025.11	0.00	1.20	1.E-37
P07355	GLGTDEDSLIEIICSRTNQELQEINRVYK	3400.78	3392.69	8.09	2379.29	1.E-37

P07355	GLGTDEDSLIEIICSRTNQELQEINRVYK	3393.70	3392.69	1.01	296.65	1.E-37
P60709	IWHHTFYNELRVAPEEHPVLLTEAPLNPK	3449.80	3449.79	0.01	2.33	1.E-37
O60506	VLFVRNLANTVTEEILEK	2087.16	2087.16	0.00	-2.07	1.E-37
P34931	VEIANDQGNRTTPSYVAFTDTERLIGDAAK	3364.69	3364.69	0.00	0.70	1.E-37
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	1.78	1.E-37
P07355	GLGTDEDSLIEIICSRTNQELQEINRVYK	3392.70	3392.69	0.01	1.78	2.E-37
Q15427	(41)AAGPISERNQDATVYVGGGLDEK	2331.14	2331.13	0.01	3.11	2.E-37
P67809	GAEAAVNTGPGGVPVQGSK	1694.86	1694.86	0.00	2.88	2.E-37
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	1.50	2.E-37
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.39	2833.44	-0.05	-17.45	2.E-37
Q8WWI1	RTPNNVSTPAPSPDASQLASSLSSQK	2738.38	2738.38	0.00	1.40	2.E-37
P36578	APIRPDIVNFVHTNLRK	1989.13	1989.13	0.00	0.77	2.E-37
P36578	APIRPDIVNFVHTNLRK	1989.10	1989.13	-0.03	-13.86	2.E-37
P18621	GLDVDSLIEHIQVNK	1777.96	1777.96	0.00	0.07	2.E-37
Q53F64	IFVGGLNPEATEEK	1502.76	1502.76	0.00	-1.15	2.E-37

Q53F64	IFVGGLNPEATEEK	1502.74	1502.76	-0.02	-16.19	2.E-37
Q3BDU5	LVRSVTVVEDDEDEDGDDLLHHHHVSGSRR	3422.62	3422.62	0.00	0.95	2.E-37
P22626	RGFGFVTFDDHDPVDK	1854.85	1850.86	3.99	2153.69	3.E-37
P07355	AYTNFDAERDALNIETAIK	2154.07	2154.06	0.01	3.86	4.E-37
P35659	SICEVLDLERSGVNSELVK	2146.09	2146.09	0.00	1.98	4.E-37
O75531	PVGSLAGIGEVLGK	1295.74	1295.74	0.00	0.34	4.E-37
P60709	IWHHTFYNELRVAPEEHPVLLTEAPLNPK	3449.80	3449.79	0.01	2.33	5.E-37
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	1.18	5.E-37
P22626	RGFGFVTFDDHDPVDK	1850.86	1850.86	0.00	-0.12	5.E-37
P05783	VIDDTNITRLQLETEIEALK	2313.25	2313.24	0.01	3.62	6.E-37
P67809	GAEAAVNTGPGGVPVQGSK	1694.87	1694.86	0.01	4.12	7.E-37
P67809	GAEAAVNTGPGGVPVQGSK	1694.86	1694.86	0.00	2.76	7.E-37
P08758	GLGTDEESILTLTSTRSNAQRQEISAAFK	3138.52	3134.62	3.90	1243.79	8.E-37
P08758	GLGTDEESILTLTSTRSNAQRQEISAAFK	3134.63	3134.62	0.01	1.71	8.E-37
P22626	RGFGFVTFDDHDPVDK	1854.86	1850.86	4.00	2155.09	9.E-37

P22626	RGFGFVTFDDHDPVDK	1851.97	1850.86	1.11	599.68	9.E-37
P22626	RGFGFVTFDDHDPVDK	1850.86	1850.86	0.00	1.07	9.E-37
P22626	RGFGFVTFDDHDPVDK	1850.84	1850.86	-0.02	-9.68	9.E-37
P13645	VRALEESNYELEGK	1635.81	1635.81	0.00	1.29	1.E-36
P04083	ALTGHLEEVVLALLK	1604.95	1604.95	0.00	0.75	1.E-36
P19338	FGYVDFESAEDLEK	1647.73	1647.73	0.00	1.03	1.E-36
P05783	VIDDTNITRLQLETEIEALK	2313.25	2313.24	0.01	2.63	1.E-36
P05783	VIDDTNITRLQLETEIEALK	2313.21	2313.24	-0.03	-14.88	1.E-36
Q13885	GHYTEGAELVDSVLDVVRK	2086.07	2086.07	0.00	1.90	1.E-36
P11940	VDEAVAVLQAHQAK	1477.79	1477.79	0.00	0.50	2.E-36
Q9BZJ0	APAEVQITAEQLLREAK	1866.02	1866.02	0.00	1.11	2.E-36
P61978	GSDFDCELRLLIHQSLAGGIIGVK	2597.36	2597.36	0.00	-1.00	2.E-36
P09651	GGNFGGRSSGPYGGGGQYFAK	2019.92	2019.92	0.00	0.75	2.E-36
O75367	GVTIASGGVLPNIHPELLAK	1985.13	1985.13	0.00	-1.06	3.E-36
O75531	PVGSLAGIGEVLGK	1295.74	1295.74	0.00	0.57	3.E-36

O00571	SPILVATAVAARGLDISNVK	1994.15	1994.15	0.00	-1.19	3.E-36
P22626	RGFGFVTFDDHDPVDK	1854.86	1850.86	4.00	2154.72	4.E-36
Q53HU8	VELQELNDRFANYIDK	1965.99	1965.98	0.01	3.12	4.E-36
P22626	RGFGFVTFDDHDPVDK	1850.86	1850.86	0.00	0.91	5.E-36
P51991	GGSFGRSSGSPYGGGYGSGGGSGGYGSRRF	2831.24	2831.24	0.00	-0.52	5.E-36
P51991	GGSFGRSSGSPYGGGYGSGGGSGGYGSRRF	2831.18	2831.24	-0.06	-21.68	5.E-36
O60506	LDEIYVAGLVAHSDLDERAIEALK	2639.38	2639.38	0.00	-1.20	5.E-36
P35527	VQALEEANNDLENK	1588.68	1585.76	2.92	1839.67	5.E-36
P35527	VQALEEANNDLENK	1585.76	1585.76	0.00	0.47	5.E-36
Q92499	ALIVEPSRELAEQTLNNIK	2137.17	2137.17	0.00	-0.68	6.E-36
P07355	SALSGHLETVILGLLK	1649.97	1649.97	0.00	0.57	6.E-36
P07355	SALSGHLETVILGLLK	1649.94	1649.97	-0.03	-16.95	6.E-36
P09651	RGFAFVTFDDHDSVDK	1854.85	1854.85	0.00	1.65	6.E-36
P09651	RGFAFVTFDDHDSVDK	1851.97	1854.85	-2.88	-1557.50	8.E-36
P02533	TEELNREVATNSELVQSGK	2103.05	2103.04	0.01	3.01	9.E-36

Q9BZJ0	APAEVQITAEQLLREAK	1870.01	1866.02	3.99	2135.79	9.E-36
Q9BZJ0	APAEVQITAEQLLREAK	1866.02	1866.02	0.00	0.25	9.E-36
O43390	IPRDLYEDELVPLFEK	1975.03	1975.03	0.00	0.51	1.E-35
P09651	RGFAFVTFDDHDSVDK	1850.86	1854.85	-3.99	-2156.85	1.E-35
P05388	ISRGTIEILSDVQLIK	1784.04	1784.04	0.00	1.56	1.E-35
Q86V81	LLVSNLDFGVSDADIQELFAEFGTLK	2840.44	2840.45	-0.01	-3.18	1.E-35
O75531	PVGSLAGIGEVLGK	1297.65	1295.74	1.91	1469.15	1.E-35
P62277	GLAPDLPEDLYHLIK	1692.91	1692.91	0.00	1.46	2.E-35
Q14974	GALQYLVILTQTLTK	1758.03	1758.03	0.00	0.80	2.E-35
P61978	IDEPLEGSEDRIITITGTQDQIQNAQYLLQNSVK	3829.79	3828.94	0.85	222.99	2.E-35
P61978	IDEPLEGSEDRIITITGTQDQIQNAQYLLQNSVK	3828.95	3828.94	0.01	2.30	2.E-35
P51991	RGFAFVTFDDHDTVDK	1868.87	1868.87	0.00	0.28	3.E-35
P07355	AYTNFDAERDALNIETAIK	2154.07	2154.06	0.01	3.59	4.E-35
O43390	YGGPPPDSVYSGVQPGIGTEVFGK	2506.24	2506.24	0.00	1.14	4.E-35
A6NI71	TIPSWATLSASQLARAQK	1928.05	1928.05	0.00	0.03	5.E-35

Q3BDU5	LVRSVTVVEDEDEDEDGDDLLHHHHVSGSRR	3421.65	3422.62	-0.97	-283.42	5.E-35
P22626	RGFGFVTFDDHDPVDK	1854.86	1850.86	4.00	2155.31	6.E-35
P22626	RGFGFVTFDDHDPVDK	1851.97	1850.86	1.11	599.68	6.E-35
P22626	RGFGFVTFDDHDPVDK	1850.86	1850.86	0.00	1.18	6.E-35
P07355	SALSGHLETVILGLLK	1649.97	1649.97	0.00	0.32	6.E-35
P07355	SALSGHLETVILGLLK	1649.95	1649.97	-0.02	-11.01	6.E-35
P07355	SALSGHLETVILGLLK	1649.93	1649.97	-0.04	-21.62	6.E-35
P46782	TIAECLADELINAAK	1630.82	1630.82	0.00	1.54	7.E-35
P46782	TIAECLADELINAAK	1630.79	1630.82	-0.03	-16.98	7.E-35
P52597	ITGEAFVQFASQELAEK	1866.94	1866.94	0.00	2.62	8.E-35
Q07020	ILTFDQLALDSPK	1459.79	1459.79	0.00	0.95	8.E-35
P12956	IQVTPPGFQLVFLPFADDK	2131.14	2131.14	0.00	-0.62	1.E-34
P52597	ITGEAFVQFASQELAEK	1866.95	1866.94	0.01	3.16	1.E-34
P62910	AIVERAAQLAIRVTNPARNLRSEENE	2919.59	2919.56	0.03	9.28	1.E-34
P62910	AIVERAAQLAIRVTNPARNLRSEENE	2919.53	2919.56	-0.03	-9.53	1.E-34

P33992	IPGIIAASAVRAK	1378.87	1378.87	0.00	-0.13	1.E-34
Q53HU8	VELQELNDRFANYIDK	1965.99	1965.98	0.01	2.91	1.E-34
Q16576	IGEEQSAEDAEDGPELLFIHGGHTAK	2846.35	2846.34	0.01	3.05	1.E-34
Q08945	(41)AETLEFNDVYQEVK	1725.81	1725.81	0.00	0.32	2.E-34
Q08945	(41)AETLEFNDVYQEVK	1724.72	1725.81	-1.09	-631.67	2.E-34
Q14103	IFVGGLSPDTPPEEK	1487.75	1487.75	0.00	-0.36	2.E-34
Q14103	IFVGGLSPDTPPEEK	1487.73	1487.75	-0.02	-16.29	2.E-34
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	0.59	2.E-34
P40429	FAYLGRLAHEVGWK	1645.87	1645.87	0.00	0.82	2.E-34
P09651	RGFAFVTFDDHDSVDK	1854.85	1854.85	0.00	1.01	2.E-34
P07355	AYTNFDAERDALNIETAIK	2154.07	2154.06	0.01	3.49	2.E-34
P07355	AYTNFDAERDALNIETAIK	2154.07	2154.06	0.01	2.38	2.E-34
P08758	GLGTDEESILTLTSSRSNAQRQEISAAFK	3134.62	3134.62	0.00	0.15	2.E-34
P20700	VDLENRCQSLTEDLEFRK	2251.09	2251.09	0.00	1.26	2.E-34
P62913	VLEQLTGQTPVFSK	1545.84	1545.84	0.00	1.40	2.E-34

P62913	VLEQLTGQTPVFSK	1541.80	1545.84	-4.04	-2623.52	2.E-34
P07355	GDLENAFLNLVQCIQNK	1976.16	1974.98	1.18	598.39	2.E-34
P07355	GDLENAFLNLVQCIQNK	1974.98	1974.98	0.00	1.68	2.E-34
P07355	GDLENAFLNLVQCIQNK	1973.15	1974.98	-1.83	-928.92	2.E-34
Q3BDU5	LVRSVTVVEDDEDEDGDDLLHHHHVSGSRR	3422.62	3422.62	0.00	0.48	2.E-34
P22626	RGFGFVTFDDHDPVDK	1850.86	1850.86	0.00	1.02	2.E-34
P43243	RGAPPSSNIEDFHGLLPK	1934.11	1934.00	0.11	56.84	3.E-34
P43243	RGAPPSSNIEDFHGLLPK	1934.00	1934.00	0.00	1.16	3.E-34
P43243	RGAPPSSNIEDFHGLLPK	1933.03	1934.00	-0.97	-501.78	3.E-34
P36578	APIRPDIVNFVHTNLRK	1989.13	1989.13	0.00	0.92	3.E-34
P36578	APIRPDIVNFVHTNLRK	1989.11	1989.13	-0.02	-12.15	3.E-34
P06748	VDNDENEHQLSLRTVSLGAGAK	2352.17	2352.17	0.00	0.20	3.E-34
P13645	VRALEESNYELEGK	1640.76	1635.81	4.95	3019.21	3.E-34
Q00839	NQSQGYNQWQQGQFWGQK	2210.99	2210.99	0.00	1.85	3.E-34
Q53HU8	VELQELNDRFANYIDK	1965.99	1965.98	0.01	3.42	3.E-34

P11021	SQIFSTASDNQPTVTIK	1835.93	1835.93	0.00	-0.65	3.E-34
P11021	SQIFSTASDNQPTVTIK	1835.89	1835.93	-0.04	-19.77	3.E-34
Q13813	IAALQAFADQLIAAGHYAK	1971.06	1971.06	0.00	0.43	4.E-34
O43390	VLFVRNLATTVTEEILEK	2074.17	2074.17	0.00	0.55	4.E-34
O43390	VLFVRNLATTVTEEILEK	2070.21	2074.17	-3.96	-1912.88	4.E-34
P67809	GAEAAVNTGPGGVPVQGSK	1694.87	1694.86	0.01	4.95	4.E-34
P46782	TIAECLADELINA AK	1630.82	1630.82	0.00	0.37	5.E-34
P46782	TIAECLADELINA AK	1630.79	1630.82	-0.03	-17.84	5.E-34
P13645	VRALEESNYELEGK	1635.81	1635.81	0.00	1.48	5.E-34
Q53F64	IFVGGLNPEATEEK	1502.76	1502.76	0.00	-0.16	5.E-34
Q9NQ4	EARA VLT FALDSVERK	1803.98	1803.98	0.00	1.19	6.E-34
Q13885	GHYTEGAELVDSVLDVVRK	2086.07	2086.07	0.00	2.04	7.E-34
P06748	VDNDENEHQLSLR TVSLGAGAK	2355.16	2352.17	2.99	1269.08	7.E-34
Q00839	PYFPIPEEYTFIQNVPLEDRVRGPK	3003.56	3003.55	0.01	1.70	8.E-34
P26599	LPIDVTEGEVISLGLPFGK	1983.10	1983.09	0.01	2.68	9.E-34

P26368	LFIGGLPNYLNDQVK	1807.88	1804.94	2.94	1623.72	9.E-34
P26368	LFIGGLPNYLNDQVK	1806.95	1804.94	2.01	1113.75	9.E-34
Q9UKV3	AAPCIYWLPLTDSQIVQK	2102.09	2102.09	0.00	-0.01	1.E-33
P46782	TIAECLADELINA AK	1630.82	1630.82	0.00	1.54	1.E-33
P46782	TIAECLADELINA AK	1630.79	1630.82	-0.03	-16.98	1.E-33
P07355	GDLENAFLNLVQCIQNK	1976.16	1974.98	1.18	598.24	1.E-33
P07355	GDLENAFLNLVQCIQNK	1974.98	1974.98	0.00	0.61	1.E-33
P07355	GDLENAFLNLVQCIQNK	1973.15	1974.98	-1.83	-928.86	1.E-33
P39023	FSAPRHGSLGFLPRK	1668.92	1668.92	0.00	1.73	1.E-33
Q9Y230	IAGRAVLIAGQP GTGK	1507.88	1507.88	0.00	2.91	2.E-33
P62910	AIVERAAQLAIRVTNPNARLRSEENE	2919.56	2919.56	0.00	0.41	2.E-33
O75533	AIGPHDVLATLLNNLK	1687.96	1687.96	0.00	1.21	2.E-33
P80723	AQGPAASAE EPK PVEAPAANS DQTVTVK	2762.38	2762.37	0.01	2.79	2.E-33
P80723	AQGPAASAE EPK PVEAPAANS DQTVTVK	2762.32	2762.37	-0.05	-17.09	2.E-33
Q9Y230	IAGRAVLIAGQP GTGK	1509.85	1507.88	1.97	1306.14	3.E-33

Q9Y3B9	(41)AAAAPDSRVSEENLK	1727.83	1727.83	0.00	-0.06	3.E-33
P43243	ITPENLPQILLQLK	1618.97	1618.97	0.00	0.70	3.E-33
P43243	ITPENLPQILLQLK	1618.94	1618.97	-0.03	-15.98	3.E-33
P22626	RGFGFVTFDDHDPVDK	1854.86	1850.86	4.00	2155.25	3.E-33
P49756	EDIFRRFPVAPLIPYPLITK	2384.36	2384.36	0.00	0.60	3.E-33
O60506	DLEGENIEIVFAKPPDQK	2043.05	2041.04	2.01	984.98	3.E-33
P11142	SQIHDIVLVGGSTRIPK	1819.03	1819.03	0.00	-0.46	4.E-33
Q9NYL9	ILPVFDEPPNPTNVEESLK	2140.01	2137.09	2.92	1363.52	4.E-33
Q9NYL9	ILPVFDEPPNPTNVEESLK	2137.09	2137.09	0.00	-0.12	4.E-33
P22626	RGFGFVTFDDHDPVDK	1851.97	1850.86	1.11	599.35	4.E-33
P22626	RGFGFVTFDDHDPVDK	1850.86	1850.86	0.00	1.40	4.E-33
Q8NC51	VEFNIRKPNEGADGQWK	1987.00	1986.99	0.01	3.76	4.E-33
P02545	RTLEGELHDLRGQVAK	1820.99	1820.99	0.00	0.35	5.E-33
P08107	DAGVIAGLNVLRIINEPTAAAIYGLDRTGK	3151.74	3151.74	0.00	-1.35	5.E-33
Q9NY12	VPYFNAPVYLENK	1552.79	1552.79	0.00	0.54	5.E-33

P61978	IDEPLEGSEDRIITITGTQDQIQNAQYLLQNSVK	3828.94	3828.94	0.00	-0.47	6.E-33
P05783	GLQAQIASSGLTVEVDAPK	1884.00	1883.00	1.00	531.07	6.E-33
O75533	LLVDVDESTLSPEEQK	1800.90	1800.90	0.00	1.25	9.E-33
Q08945	(41)AETLEFNDVYQEVK	1725.81	1725.81	0.00	0.78	9.E-33
Q08945	(41)AETLEFNDVYQEVK	1724.72	1725.81	-1.09	-630.68	9.E-33
Q15029	TATITEPRGNEEAQIFRPLK	2270.20	2270.20	0.00	1.74	1.E-32
O43390	VLFVRNLATTVTEEILEK	2074.17	2074.17	0.00	0.40	1.E-32
P26368	LFIGGLPNYLNDQVK	1807.87	1804.94	2.93	1622.62	1.E-32
P26368	LFIGGLPNYLNDQVK	1804.94	1804.94	0.00	2.54	1.E-32
Q13435	RGIEKPPFELPDFIK	1784.98	1784.98	0.00	1.15	1.E-32
Q13435	RGIEKPPFELPDFIK	1784.96	1784.98	-0.02	-11.96	1.E-32
P11142	SQIHDIVLVGGSTRIPK	1814.99	1819.03	-4.04	-2226.76	1.E-32
P02545	KEGDLIAAQARLK	1411.81	1411.81	0.00	0.51	1.E-32
Q9Y230	IAGRAVLIAGQP GTGK	1507.88	1507.88	0.00	2.91	1.E-32
P08758	(41)AQLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	1.22	1.E-32

P05787	TEISEMNRNISRLLQAEIEGLK	2430.26	2430.25	0.01	2.24	2.E-32
P62913	VLEQLTGQTPVFSK	1545.84	1545.84	0.00	0.62	2.E-32
P62913	VLEQLTGQTPVFSK	1545.81	1545.84	-0.03	-16.78	2.E-32
P62913	VLEQLTGQTPVFSK	1543.89	1545.84	-1.95	-1262.03	2.E-32
P62913	VLEQLTGQTPVFSK	1541.79	1545.84	-4.05	-2623.78	2.E-32
P02545	KEGDLIAAQRLLK	1415.62	1411.81	3.81	2694.72	2.E-32
Q9UKX7	VAAETQSPSLFGSTK	1526.75	1521.77	4.98	3264.73	2.E-32
P67809	(51)SSEAETQPPAAPPAAPALSAADTKPGTTGSGAGSGGP GGLTSAAPAGGDK	4513.17	4513.15	0.02	3.77	2.E-32
P67809	(51)SSEAETQPPAAPPAAPALSAADTKPGTTGSGAGSGGP GGLTSAAPAGGDK	4512.05	4513.15	-1.10	-244.06	2.E-32
P30876	GEIGDATPFNDVAVNVQK	1773.85	1773.85	0.00	1.63	2.E-32
Q9Y230	IAGRAVLIAGQPVTGK	1510.83	1507.88	2.95	1952.69	2.E-32
Q9Y230	IAGRAVLIAGQPVTGK	1509.85	1507.88	1.97	1306.60	2.E-32
O43390	IPRDLYEDELVPLFEK	1975.03	1975.03	0.00	1.17	2.E-32
P30876	GEIGDATPFNDVAVNVQK	1773.85	1773.85	0.00	1.46	2.E-32
Q9UKX7	VAAETQSPSLFGSTK	1521.77	1521.77	0.00	2.85	2.E-32

P09661	NAIANASTLAEVERLK	1698.93	1698.93	0.00	0.87	2.E-32
Q09028	TPSSDVLVFDYTK	1474.88	1470.72	4.16	2821.84	3.E-32
Q09028	TPSSDVLVFDYTK	1470.72	1470.72	0.00	2.38	3.E-32
P11142	SQIHDIVLVGGSTRIPK	1819.03	1819.03	0.00	-0.02	3.E-32
P26368	LFIGGLPNYLNDQVK	1806.95	1804.94	2.01	1113.14	4.E-32
Q15287	GYAYVEFENPDEAEK	1761.86	1759.76	2.10	1191.88	6.E-32
P19338	VEGTEPTTAFNLFVGNLNFNK	2311.15	2311.15	0.00	0.12	6.E-32
P07305	YSDMIVAAIQAEK	1444.74	1437.72	7.02	4861.81	6.E-32
Q14103	IFVGGLSPDTPEEK	1487.75	1487.75	0.00	0.04	7.E-32
Q14103	IFVGGLSPDTPEEK	1487.73	1487.75	-0.02	-16.22	7.E-32
P08670	VESLQEEIAFLK	1404.75	1404.75	0.00	1.91	7.E-32
Q9UKX7	VAAETQSPSLFGSTK	1526.75	1521.77	4.98	3264.54	8.E-32
Q15287	GYAYVEFENPDEAEK	1759.77	1759.76	0.01	3.42	9.E-32
P07355	LSLEGDHSTPPSAYGSVK	1843.90	1843.90	0.00	-0.15	9.E-32
Q9UKM9	SNIDALLSRLEQIAAEQK	1998.07	1998.07	0.00	-1.02	1.E-31

P36578	(41)ACARPLISVYSEK	1534.81	1534.78	0.03	22.75	1.E-31
P36578	(41)ACARPLISVYSEK	1534.78	1534.78	0.00	1.38	1.E-31
P36578	(41)ACARPLISVYSEK	1534.76	1534.78	-0.02	-14.97	1.E-31
P36578	(41)ACARPLISVYSEK	1534.74	1534.78	-0.04	-29.11	1.E-31
P07355	AYTNFDAERDALNIETAIK	2154.07	2154.06	0.01	3.26	1.E-31
P05783	GLQAQIASSGLTVEVDAPK	1885.01	1883.00	2.01	1067.70	1.E-31
O60506	ALLERTGYTLDVTTGQRK	2025.08	2021.09	3.99	1968.31	1.E-31
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	0.48	1.E-31
A6NEM2	IPPSSAPTVLSVPAGTTIVK	1934.11	1934.11	0.00	1.87	1.E-31
A6NI71	TIPSWATLSASQLARAQK	1928.05	1928.05	0.00	-0.12	1.E-31
Q09028	TPSSDVLVFDYTK	1470.72	1470.72	0.00	2.38	1.E-31
P19338	FGYVDFESAEDLEK	1648.81	1647.73	1.08	652.72	1.E-31
P19338	FGYVDFESAEDLEK	1647.73	1647.73	0.00	0.91	1.E-31
Q9UKX7	VAAETQSPSLFGSTK	1521.77	1521.77	0.00	2.59	1.E-31
Q9NYL9	ILPVFDEPPNPTNVEESLK	2137.09	2137.09	0.00	0.91	1.E-31

P08107	SENVQDLLLLDVAPLSLGLLETAGGVMTALIK	3179.73	3179.74	-0.01	-1.78	2.E-31
P61978	ALRTDYNASVSPDSSGPERILSISADIETIGEILK	3815.97	3815.98	-0.01	-3.09	2.E-31
P08729	LEAAIAEAEERGELALK	1811.97	1811.96	0.01	3.68	2.E-31
P08758	GLGTDEESILLLLTSRSNAQRQEISAAFK	3134.62	3134.62	0.00	-0.36	2.E-31
P26373	LATQLTGPVMPVRNVYK	1887.04	1886.04	1.00	531.70	2.E-31
P46782	(52)TEWETAAPAVAETPDIK	1869.90	1869.90	0.00	2.18	2.E-31
P11142	SQIHDIVLVGGSTRIPK	1819.03	1819.03	0.00	0.74	2.E-31
P19338	FGYVDFESAEDLEK	1647.73	1647.73	0.00	1.22	2.E-31
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	0.20	2.E-31
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	-0.55	2.E-31
Q53F64	IFVGGLNPEATEEK	1502.76	1502.76	0.00	0.71	2.E-31
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	1.42	2.E-31
P08133	ALIEILATRTNAEIRAINAYK	2472.37	2472.37	0.00	-1.24	3.E-31
O75955	LPQVAEEISGPLTSANK	1752.93	1752.93	0.00	2.66	4.E-31
O75955	LPQVAEEISGPLTSANK	1751.04	1752.93	-1.89	-1078.76	4.E-31

P02545	AA YEAE LGDARK	1292.64	1292.64	0.00	0.74	4.E-31
Q9Y265	TALALAI AQELGSK	1384.79	1384.79	0.00	1.41	4.E-31
P19338	VEGTEPTTAFNLFVGNLNFNK	2311.15	2311.15	0.00	-0.62	4.E-31
O43390	DYAFVHFEDRGA AVK	1723.83	1723.83	0.00	0.83	4.E-31
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	0.03	4.E-31
P05783	VIDDTNITRLQLETEIEALK	2313.25	2313.24	0.01	3.88	4.E-31
P09651	GGNFGGRSSGPYGGGGQYFAK	2020.92	2019.92	1.00	496.61	5.E-31
Q9H307	(41)AVAVRTLQE QLEK	1525.85	1525.85	0.00	1.89	5.E-31
Q00839	NQSQGYNQWQQGQFWGQK	2210.99	2210.99	0.00	1.67	5.E-31
Q9NWB6	LIEEETARRVEELVAK	1884.03	1884.03	0.00	0.11	5.E-31
Q3BDU5	LVR SVTVVEDEDEDEDGDDLLHHHHVSGSRR	3422.62	3422.62	0.00	-0.75	5.E-31
Q04695	ILTATVDNANILLQIDNARLAADDFRTK	3084.66	3084.66	0.00	1.26	5.E-31
P07355	SALSGHLETVILGLLK	1649.97	1649.97	0.00	0.45	5.E-31
P11021	LYGSAGPPPTGEEDTAEK	1817.83	1817.83	0.00	0.55	5.E-31
P11021	LYGSAGPPPTGEEDTAEK	1815.95	1817.83	-1.88	-1034.77	5.E-31

P14136	LALDIEIATYRK	1404.80	1404.80	0.00	0.26	6.E-31
O43390	VLFVRNLATTVTEEILEK	2074.17	2074.17	0.00	-1.43	6.E-31
O43390	VTEGLVDVILYHQPDDK	1939.99	1939.99	0.00	-0.86	7.E-31
P06748	VDNDENEHQLSLRTVSLGAGAK	2353.11	2352.17	0.94	398.02	7.E-31
P06748	VDNDENEHQLSLRTVSLGAGAK	2352.17	2352.17	0.00	1.01	7.E-31
Q12906	LFPDTPLALDANK	1415.71	1413.75	1.96	1384.93	7.E-31
Q12906	LFPDTPLALDANK	1413.75	1413.75	0.00	1.10	7.E-31
Q3BDU5	LVRSVTVVEDDEDEDGDDLLHHHHVSGSRR	3422.62	3422.62	0.00	0.45	7.E-31
Q9UBL3	FGLLDQDLSNIGPAYDNQK	2107.02	2107.02	0.00	1.54	7.E-31
O43390	VTEGLVDVILYHQPDDK	1939.99	1939.99	0.00	-0.81	8.E-31
P07355	DIISDTSGDFRK	1353.70	1352.66	1.04	766.80	8.E-31
P07355	DIISDTSGDFRK	1352.78	1352.66	0.12	90.42	8.E-31
P07355	DIISDTSGDFRK	1352.66	1352.66	0.00	1.05	8.E-31
P07355	DIISDTSGDFRK	1352.64	1352.66	-0.02	-12.78	8.E-31
Q9Y5B9	APGEQTVPALNLQNAFRIIK	2179.21	2179.21	0.00	1.42	8.E-31

Q04695	ILTATVDNANILLQIDNARLAADDFRTK	3084.67	3084.66	0.01	2.40	8.E-31
O43390	EIEGEEIEIVLAKPPDK	1908.01	1908.01	0.00	1.09	8.E-31
P05783	VIDDTNITRLQLETEIEALK	2313.25	2313.24	0.01	3.97	8.E-31
Q02539	ALAAAGYDVEK	1107.55	1106.56	0.99	893.90	8.E-31
Q02539	ALAAAGYDVEK	1107.55	1106.56	0.99	893.90	8.E-31
Q02539	ALAAAGYDVEK	1106.56	1106.56	0.00	0.67	8.E-31
P14136	LALDIEIATYRK	1404.80	1404.80	0.00	0.54	9.E-31
P02545	RTLEGELHDLRGQVAK	1820.99	1820.99	0.00	0.24	9.E-31
P02545	RTLEGELHDLRGQVAK	1820.97	1820.99	-0.02	-10.90	9.E-31
P02545	RTLEGELHDLRGQVAK	1819.04	1820.99	-1.95	-1073.90	9.E-31
P07355	SALSGHLETVILGLLK	1649.97	1649.97	0.00	0.38	9.E-31
P07355	SALSGHLETVILGLLK	1649.94	1649.97	-0.03	-16.34	9.E-31
Q8NDI4	LFNESHGIFLGLQRIDEELTGK	2515.31	2515.31	0.00	-1.60	1.E-30
P33778	RSTITSREIQTAVRLLPGELAK	2551.48	2551.48	0.00	1.83	1.E-30
P33778	RSTITSREIQTAVRLLPGELAK	2551.45	2551.48	-0.03	-11.89	1.E-30

P14136	LALDIEIATYRK	1404.80	1404.80	0.00	2.04	1.E-30
P11940	GYGFVHFETQEAERAIEK	2181.05	2181.05	0.00	-1.16	1.E-30
P07355	GDLENAFLNLVQCIQNK	1975.15	1974.98	0.17	86.83	1.E-30
P07355	GDLENAFLNLVQCIQNK	1974.98	1974.98	0.00	0.77	1.E-30
P52597	ITGEAFVQFASQELAIEK	1866.95	1866.94	0.01	3.43	1.E-30
P13645	ELTTEIDNNIEQISSYK	1995.97	1995.96	0.01	4.08	1.E-30
P11021	ITITNDQNRLTPEEIERMVNDAEK	2828.40	2828.40	0.00	-0.99	1.E-30
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	1.50	2.E-30
Q8NC51	VEFNIRKPNEGADGQWK	1987.00	1986.99	0.01	3.40	2.E-30
O60506	IPRDLFEDELVPLFEK	1959.04	1959.04	0.00	-0.04	2.E-30
Q9UBL3	FGLLDQDLSNIGPAYDNQK	2107.02	2107.02	0.00	1.73	2.E-30
P35908	VRFLEQQNQVLQTK	1729.95	1729.95	0.00	0.29	2.E-30
P62701	LTGVFAPRPSTGPHK	1563.85	1563.85	0.00	-0.14	3.E-30
O60506	ALLERTGYTLDVTTGQRK	2025.07	2021.09	3.98	1967.72	3.E-30
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	-0.06	3.E-30

P62701	LTGVFAPRPSTGPHK	1563.82	1563.85	-0.03	-16.96	3.E-30
P02545	AGQVVTIWAAGAGATHSPPTDLVWK	2532.31	2532.31	0.00	-0.45	3.E-30
P02545	AGQVVTIWAAGAGATHSPPTDLVWK	2532.31	2532.31	0.00	-0.89	3.E-30
Q53HU8	VELQELNDRFANYIDK	1965.99	1965.98	0.01	3.88	4.E-30
P02545	RQNGDDPLLTYRFPPK	1916.97	1915.99	0.98	513.04	4.E-30
P62906	VLCLAVAVGHVK	1264.73	1264.73	0.00	0.69	4.E-30
O43390	IPRDLYEDELVPLFEK	1975.03	1975.03	0.00	1.93	4.E-30
P02545	EGDLIAAQARLK	1287.73	1283.72	4.01	3116.86	4.E-30
P02545	EGDLIAAQARLK	1287.73	1283.72	4.01	3117.48	4.E-30
P60709	IWHHTFYNELRVAPEEHPVLLTEAPLNPK	3449.80	3449.79	0.01	3.54	5.E-30
P11021	SQIFSTASDNQPTVTIK	1835.93	1835.93	0.00	-0.71	5.E-30
P02545	EGDLIAAQARLK	1284.71	1283.72	0.99	767.95	5.E-30
P02545	EGDLIAAQARLK	1284.71	1283.72	0.99	767.48	5.E-30
P02545	EGDLIAAQARLK	1283.72	1283.72	0.00	-0.79	5.E-30
P02545	EGDLIAAQARLK	1283.72	1283.72	0.00	-0.71	5.E-30

P11142	SINPDEAVAYGAAVQAAILSGDK	2259.14	2259.14	0.00	0.56	5.E-30
P23396	KPLPDHVSIVEPKDEILPTPISEQK	2909.57	2909.57	0.00	1.19	5.E-30
P02545	AGQVVTIWAAGAGATHSPPTDLVWK	2532.31	2532.31	0.00	0.50	6.E-30
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	2.47	7.E-30
P22626	IDTIEIITDRQSGK	1587.77	1587.85	-0.08	-51.88	7.E-30
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	-0.90	7.E-30
Q14254	VDEIVVLSGDNSK	1373.70	1373.70	0.00	2.70	7.E-30
P04083	GVDEATIIDILTK	1391.65	1386.76	4.89	3513.47	8.E-30
P04083	GVDEATIIDILTK	1386.76	1386.76	0.00	-0.05	8.E-30
P04083	GVDEATIIDILTK	1386.74	1386.76	-0.02	-14.84	8.E-30
Q9UKM9	SNIDALLSRLEQIAAEQK	1998.07	1998.07	0.00	-1.22	8.E-30
P11021	SQIFSTASDNQPTVTIK	1839.98	1835.93	4.05	2198.51	8.E-30
P02545	RTLEGELHDLRGQVAK	1820.99	1820.99	0.00	0.63	9.E-30
P02545	RTLEGELHDLRGQVAK	1819.04	1820.99	-1.95	-1073.73	9.E-30
P04083	DITSDTSGDFRNALLSLAK	2023.02	2023.02	0.00	1.75	9.E-30

P20073	GFGTDEQAIVDVVANRSNDQRQK	2546.26	2546.25	0.01	2.79	9.E-30
P62826	FNVWDTAGQEK	1293.60	1293.60	0.00	1.28	9.E-30
Q15393	NVSEELDRTPPEVSK	1698.85	1698.84	0.01	3.23	1.E-29
O75531	PVGSLAGIGEVLGK	1295.74	1295.74	0.00	0.57	1.E-29
P62826	FNVWDTAGQEK	1295.74	1293.60	2.14	1651.53	1.E-29
Q12905	ILPTLEAVAALGNK	1408.83	1408.83	0.00	2.25	1.E-29
Q12905	ILPTLEAVAALGNK	1408.81	1408.83	-0.02	-13.93	1.E-29
Q12905	ILPTLEAVAALGNK	1404.75	1408.83	-4.08	-2901.60	1.E-29
Q53F64	IFVGGLNPEATEEK	1502.76	1502.76	0.00	0.44	1.E-29
P23396	KPLPDHVSIVEPKDEILPTTPISEQK	2914.42	2909.57	4.85	1664.30	1.E-29
P19338	EVFEDAAEIRLVSK	1605.76	1604.84	0.92	570.86	1.E-29
P35659	NVGQFSGFPFEK	1355.65	1355.65	0.00	1.94	1.E-29
P35659	NVGQFSGFPFEK	1355.63	1355.65	-0.02	-13.33	1.E-29
P35659	NVGQFSGFPFEK	1352.78	1355.65	-2.87	-2122.43	1.E-29
P62906	VSRDTLYEAVREVLHGNQRK	2369.26	2369.26	0.00	0.69	1.E-29

P08670	VESLQEEIAFLK	1404.75	1404.75	0.00	1.41	1.E-29
P08729	LEAAIAEAEERGELALK	1811.96	1811.96	0.00	2.19	1.E-29
P11940	VDEAVAVLQAHQAK	1477.79	1477.79	0.00	0.44	1.E-29
Q9NQ4	ATLEVILRPK	1139.71	1138.71	1.00	881.13	2.E-29
P09012	(41)AVPETRPNHTIYINNLNEK	2263.05	2264.15	-1.10	-484.50	2.E-29
Q13243	LNEGVVEFASYGDLK	1639.81	1639.81	0.00	-0.01	2.E-29
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	0.72	2.E-29
Q03252	DLESLFHRSEVELAAALSDK	2229.13	2229.13	0.00	-1.96	2.E-29
P56182	LQDLAGGIFPEDEIPEK	1871.95	1869.94	2.01	1075.53	2.E-29
P08670	VESLQEEIAFLK	1405.73	1404.75	0.98	699.98	2.E-29
P0C0S8	VTIAQGGVLPNIQAVLLPK	1930.16	1930.16	0.00	0.47	2.E-29
Q15393	NVSEELDRTPPEVSK	1698.84	1698.84	0.00	2.82	2.E-29
Q15029	ILAQVVGDVDTSLPRTLDELGIHLTK	2802.55	2802.55	0.00	-1.66	2.E-29
Q07020	ILTFDQLALDSPK	1463.80	1459.79	4.01	2740.45	2.E-29
Q9BQG0	ARLSLVIRSPSLLQSGAK	1895.99	1895.13	0.86	455.59	2.E-29

P07355	SALSGHLETVILGLLK	1649.97	1649.97	0.00	0.57	2.E-29
P61978	IDEPLEGESEDRIITITGTQDQIQNAQYLLQNSVK	3828.94	3828.94	0.00	-0.73	2.E-29
Q04695	(52)TTSIRQFTSSSSIK	1583.80	1583.82	-0.02	-15.30	2.E-29
P62826	FNVWDTAGQEK	1293.60	1293.60	0.00	1.28	2.E-29
P09012	(41)AVPETRPNHTIYINNLNEK	2264.15	2264.15	0.00	0.68	2.E-29
Q15029	TATITEPRGNEEAQIFRPLK	2270.20	2270.20	0.00	1.12	2.E-29
P26447	ELLTRELPSFLGK	1501.85	1501.85	0.00	0.14	2.E-29
P26447	ELLTRELPSFLGK	1501.83	1501.85	-0.02	-15.24	2.E-29
Q04695	(52)TTSIRQFTSSSSIK	1583.82	1583.82	0.00	1.68	3.E-29
Q15287	GYAYVEFENPDEAEK	1760.82	1759.76	1.06	602.58	3.E-29
Q15287	GYAYVEFENPDEAEK	1759.77	1759.76	0.01	3.31	3.E-29
P26447	ELLTRELPSFLGK	1501.85	1501.85	0.00	-0.66	3.E-29
P26447	ELLTRELPSFLGK	1501.83	1501.85	-0.02	-14.85	3.E-29
Q92841	APILIATDVASRGLDVEDVK	2081.14	2081.14	0.00	1.21	3.E-29
P07355	GDLENAFLNLVQCQNK	1976.16	1974.98	1.18	597.93	3.E-29

P07355	GDLENAFLNLVQCIQNK	1974.98	1974.98	0.00	1.07	3.E-29
P07355	GDLENAFLNLVQCIQNK	1973.15	1974.98	-1.83	-929.22	3.E-29
P51991	LFIGGLSFETDDSLREHFEK	2440.19	2440.19	0.00	0.20	4.E-29
Q04695	(52)TTSIRQFTSSSSIK	1587.83	1583.82	4.01	2528.59	4.E-29
P46782	TIAECLADELINA AK	1630.82	1630.82	0.00	0.37	4.E-29
P46782	TIAECLADELINA AK	1630.79	1630.82	-0.03	-17.84	4.E-29
P43243	RGAPPSSNIEDFHGLLPK	1936.93	1934.00	2.93	1512.26	4.E-29
P43243	RGAPPSSNIEDFHGLLPK	1934.00	1934.00	0.00	1.41	4.E-29
P35659	VYENYPTYDLTERK	1789.86	1789.85	0.01	3.15	4.E-29
P43243	RGAPPSSNIEDFHGLLPK	1936.93	1934.00	2.93	1511.84	4.E-29
P43243	RGAPPSSNIEDFHGLLPK	1934.11	1934.00	0.11	56.37	4.E-29
P43243	RGAPPSSNIEDFHGLLPK	1934.00	1934.00	0.00	2.03	4.E-29
O75955	DIHDDQDYLHSLGK	1654.76	1654.76	0.00	2.18	4.E-29
Q07020	ILTFDQLALDSPK	1459.79	1459.79	0.00	0.40	4.E-29
Q07020	ILTFDQLALDSPK	1459.77	1459.79	-0.02	-15.08	4.E-29

P02545	AA YEAE LGDARK	1292.64	1292.64	0.00	0.66	5.E-29
P02545	AA YEAE LGDARK	1290.68	1292.64	-1.96	-1515.90	5.E-29
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	0.93	5.E-29
P04083	DITSDTSGDFRNALLSLAK	2023.02	2023.02	0.00	1.80	5.E-29
Q3BDU5	LDNARQSAERNSNLVGA AHEELQQSRIRIDSLSAQLSQLQK	4573.37	4573.37	0.00	0.33	5.E-29
Q08211	VNLSQDLEHQLQNIQELNLEILPPPEDPSVPVALNIGK	4326.32	4326.31	0.01	3.04	6.E-29
Q08211	VNLSQDLEHQLQNIQELNLEILPPPEDPSVPVALNIGK	4326.22	4326.31	-0.09	-20.42	6.E-29
Q8TDN6	FLVQNIHTLAELK	1524.88	1524.87	0.01	3.49	7.E-29
P62701	VNDTIQIDLETGK	1445.75	1444.74	1.01	695.34	7.E-29
O43159	FQPPQVPDQAPAEAPTEK	1948.96	1948.95	0.01	4.10	7.E-29
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	-0.03	7.E-29
P05783	GLQAQIASSGLTVEVDAPK	1883.01	1883.00	0.01	3.26	7.E-29
P08133	ALIEILATRTNAEIRAINAYK	2472.37	2472.37	0.00	0.29	8.E-29
P36578	AFRNIPGITLLNVSK	1641.96	1641.96	0.00	1.71	9.E-29
P62906	VLCLAVAVGHVK	1264.73	1264.73	0.00	0.77	9.E-29

P62906	VLCLAVAVGHVK	1264.62	1264.73	-0.11	-84.71	9.E-29
P52597	ITGEAFVQFASQELA EK	1866.95	1866.94	0.01	2.78	1.E-28
P08670	VESLQEEIAFLK	1404.75	1404.75	0.00	1.20	1.E-28
P08670	VESLQEEIAFLK	1404.73	1404.75	-0.02	-13.54	1.E-28
Q13435	RGIEKPPFELPDFIK	1784.98	1784.98	0.00	0.87	1.E-28
Q13435	RGIEKPPFELPDFIK	1784.96	1784.98	-0.02	-11.40	1.E-28
O43395	DQTKPTPLILDEQGRTVDATGK	2382.24	2382.24	0.00	0.87	1.E-28
P08758	GLGTDEESILTLT SRSNAQRQEISAAFK	3138.52	3134.62	3.90	1244.02	1.E-28
P08758	GLGTDEESILTLT SRSNAQRQEISAAFK	3134.62	3134.62	0.00	0.66	1.E-28
P02545	LESTESRSSFSQHARTSGRVAVEEVDEEGK	3306.57	3306.57	0.00	0.69	2.E-28
Q71U36	TIGGGDDSFNTFFSETGAGK	2006.90	2006.89	0.01	3.87	2.E-28
O14979	VFVGGLSPDTSEEQIK	1704.86	1704.86	0.00	-0.06	2.E-28
O95232	IDVLLQIEELGSEGK	1769.94	1769.94	0.00	2.45	2.E-28
Q15393	LGAVFNQVAFPLQYTPRK	2048.12	2048.12	0.00	1.71	2.E-28
Q9H307	(41)AVAVRTLQE QLEK	1525.85	1525.85	0.00	1.56	2.E-28

Q9H307	(41)AVAVRTLQEQLK	1525.83	1525.85	-0.02	-14.30	2.E-28
P02545	AAEAEELGDARK	1292.64	1292.64	0.00	1.05	2.E-28
P62424	VPPAINQFTQALDRQTATQLLK	2452.34	2452.34	0.00	0.34	2.E-28
P80723	AQGPAASAEKPKVEAPAANSQTVTVK	2762.38	2762.37	0.01	2.71	3.E-28
P43243	RGAPPSSNIEDFHGLLPK	1934.11	1934.00	0.11	57.00	3.E-28
P43243	RGAPPSSNIEDFHGLLPK	1934.00	1934.00	0.00	1.41	3.E-28
P14625	EIFLRELISNASDALDK	1933.02	1933.02	0.00	-1.82	3.E-28
P07355	LSLEGDHSTPPSAYGSVK	1843.90	1843.90	0.00	-0.47	3.E-28
P62241	ISSLLEEQFQQGK	1505.80	1505.77	0.03	20.15	3.E-28
P62241	ISSLLEEQFQQGK	1505.77	1505.77	0.00	-0.83	3.E-28
P62241	ISSLLEEQFQQGK	1505.75	1505.77	-0.02	-16.17	3.E-28
P61247	VERADGYEPPVQESV	1673.79	1673.79	0.00	-0.62	3.E-28
Q3BDU5	LDNARQSAERNSNLVGAHEELQQRIRIDSLSAQLSQLQK	4573.37	4573.37	0.00	-0.96	3.E-28
P34931	VEIANDQGNRTTPSYVAFTDTERLIGDAAK	3364.69	3364.69	0.00	-0.73	3.E-28
P11940	GYGFVHFETQEAERAIEK	2181.05	2181.05	0.00	-1.62	3.E-28

Q13421	LRTDAVLPLTVAEVQK	1752.02	1752.01	0.01	3.14	4.E-28
P31946	TAFDEAIAELDTLNEESYK	2158.00	2158.00	0.00	0.77	4.E-28
Q02539	ALAAAGYDVEK	1107.55	1106.56	0.99	893.63	4.E-28
Q02539	ALAAAGYDVEK	1106.56	1106.56	0.00	0.40	4.E-28
O43390	IPRDLYEDELVPLFEK	1975.03	1975.03	0.00	0.66	4.E-28
P62906	KYDAFLASESLIK	1481.79	1483.79	-2.00	-1346.96	4.E-28
P02545	AA YEAE LGDARK	1292.64	1292.64	0.00	0.82	4.E-28
P84090	(51)SHTILLVQPTK	1277.73	1277.73	0.00	0.50	4.E-28
P60709	ILTERGYSFTTTAEREIVRDIK	2597.39	2597.38	0.01	2.44	5.E-28
P62906	KYDAFLASESLIK	1483.79	1483.79	0.00	-0.35	5.E-28
P62906	KYDAFLASESLIK	1483.77	1483.79	-0.02	-14.90	5.E-28
P26368	LFIGGLPNYLNDQVK	1804.94	1804.94	0.00	2.26	5.E-28
P26368	LFIGGLPNYLNDQVK	1804.91	1804.94	-0.03	-17.74	5.E-28
P07355	SLYYYIQQDTK	1420.69	1420.69	0.00	3.00	5.E-28
Q9H307	LTEVPVEPVLTVHPESK	1873.02	1873.02	0.00	1.37	5.E-28

P23396	KPLPDHVSIVEPKDEILPTTPISEQK	2914.42	2909.57	4.85	1664.33	6.E-28
P02545	AA YEAE LGDARK	1292.64	1292.64	0.00	0.82	6.E-28
P08729	LEAAIAEAEER GELALK	1811.96	1811.96	0.00	2.63	6.E-28
P04083	AA YLQETGKPLDETLK	1775.94	1775.93	0.01	2.99	6.E-28
P26447	ELLTRELPSFLGK	1502.83	1501.85	0.98	649.25	6.E-28
P26447	ELLTRELPSFLGK	1501.85	1501.85	0.00	-0.33	6.E-28
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	-0.98	6.E-28
P16403	ASGPPVSELITK	1197.65	1197.66	-0.01	-11.92	6.E-28
Q04695	(52)TTSIRQFTSSSSIK	1583.79	1583.82	-0.03	-15.87	6.E-28
P62906	FPSLLTHNENMVAK	1604.74	1599.81	4.93	3071.85	6.E-28
Q9H307	(41)AVAVRTLQE QLEK	1525.85	1525.85	0.00	2.94	6.E-28
P02545	EGDLIAAQARLK	1283.72	1283.72	0.00	0.69	7.E-28
P04083	QAWFIENEEQEYVQTVK	2140.02	2140.01	0.01	3.56	7.E-28
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	1.31	7.E-28
P05783	VIDDTNITRLQLETEIEALK	2313.25	2313.24	0.01	3.41	7.E-28

P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	0.03	7.E-28
P19338	VEGTEPTTAFNLFVGNLNFNK	2311.15	2311.15	0.00	-0.44	7.E-28
P04264	SLNNQFASFIDK	1382.68	1382.68	0.00	1.07	7.E-28
Q04695	(52)TTSIRQFTSSSSIK	1583.82	1583.82	0.00	1.37	7.E-28
Q3BDU5	LDNARQSAERNSNLVGAAHEELQQSRIRIDSLSAQLSQLQK	4573.37	4573.37	0.00	-0.61	7.E-28
P16403	(51)SETAPAAPAAAPPAEK	1522.91	1519.75	3.16	2073.91	7.E-28
P04083	GLGTDEDTLIEILASRTNK	2045.06	2045.06	0.00	0.53	7.E-28
P07355	AYTNFDAERDALNIETAIK	2154.07	2154.06	0.01	2.33	7.E-28
P02533	TEELNREVATNSELVQSGK	2103.05	2103.04	0.01	4.06	7.E-28
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	0.39	8.E-28
Q9H307	(41)AVAVRTLQEQLK	1525.85	1525.85	0.00	1.56	8.E-28
Q9H307	(41)AVAVRTLQEQLK	1525.83	1525.85	-0.02	-13.45	8.E-28
P19338	EVFEDAAEIRLVSK	1605.76	1604.84	0.92	570.73	8.E-28
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	0.84	8.E-28
P04083	AAYLQETGKPLDETLK	1775.94	1775.93	0.01	2.99	9.E-28

P62241	ISSLLEEQFQQGK	1505.77	1505.77	0.00	-0.83	9.E-28
P62241	ISSLLEEQFQQGK	1505.75	1505.77	-0.02	-15.98	9.E-28
P84090	IYVLLRRQAQQAGK	1642.96	1642.96	0.00	0.37	9.E-28
P02545	AAYEAEELGDARK	1292.64	1292.64	0.00	0.74	9.E-28
P11021	KSDIDEIVLVGGSTRIPK	1926.08	1926.08	0.00	0.39	1.E-27
Q14683	PAPFFVLDEIDAALDNTNIGK	2259.14	2259.14	0.00	1.44	1.E-27
P62906	FPSLLTHNENMVAK	1599.81	1599.81	0.00	0.75	1.E-27
P23396	KPLPDHVSIVEPKDEILPTTPISEQK	2909.57	2909.57	0.00	1.02	1.E-27
P16403	(51)SETAPAAPAAAPPAEK	1519.75	1519.75	0.00	-0.87	1.E-27
P16403	(51)SETAPAAPAAAPPAEK	1519.73	1519.75	-0.02	-16.27	1.E-27
O60506	DLEGENIEIVFAKPPDQK	2041.05	2041.04	0.01	2.68	1.E-27
Q08211	ETPFELIEALLK	1401.78	1401.78	0.00	1.93	1.E-27
Q08211	ETPFELIEALLK	1401.76	1401.78	-0.02	-11.48	1.E-27
O60506	DLEGENIEIVFAKPPDQK	2041.04	2041.04	0.00	0.52	1.E-27
P13645	ELTTEIDNNIEQISSYK	1995.97	1995.96	0.01	4.03	1.E-27

P04264	SLNNQFASFIDK	1382.68	1382.68	0.00	1.22	1.E-27
O60812	VDSLLENLEK	1162.69	1158.61	4.08	3508.76	1.E-27
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	-0.90	1.E-27
P16403	ASGPPVSELITK	1197.65	1197.66	-0.01	-12.00	1.E-27
A6NEM2	IPPSSAPTVLSVPAGTTIVK	1934.11	1934.11	0.00	1.77	1.E-27
Q13185	KVEEAEPPEEFVVEK	1660.82	1660.82	0.00	0.76	1.E-27
P23396	KPLPDHVSIVEPKDEILPTTPISEQK	2914.42	2909.57	4.85	1663.55	1.E-27
P62873	(51)SELDQLRQEAEQLK	1727.88	1727.87	0.01	3.12	2.E-27
O00148	GLAITFVSDENDAK	1482.78	1478.73	4.05	2728.97	2.E-27
P51991	EDTEEYNLRDYFEK	1849.80	1849.80	0.00	1.18	2.E-27
P26373	STESLQANVQRLK	1474.80	1472.79	2.01	1360.80	2.E-27
P46777	GAVDGGLSIPHSTK	1337.69	1337.69	0.00	2.55	2.E-27
P11021	KVTHAVVTVPAYFNDAQRQATK	2443.30	2443.30	0.00	-0.02	2.E-27
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	-0.31	2.E-27
P16403	ASGPPVSELITK	1197.64	1197.66	-0.02	-12.75	2.E-27

P16403	ASGPPVSELITK	1195.55	1197.66	-2.11	-1767.45	2.E-27
P38159	LFIGGLNTETNEK	1438.76	1434.74	4.02	2792.12	2.E-27
P08579	ELGSSTNALRQLQGFFFYGK	2212.13	2212.13	0.00	0.03	2.E-27
P20073	GFGTDEQAIVDVVANRSNDQRQK	2546.26	2546.25	0.01	2.79	2.E-27
P18621	GLDVDSLVIHQVQNK	1777.96	1777.96	0.00	-0.10	2.E-27
Q08211	AENNSEVGASGYGVPPTWDRGANLK	2645.25	2645.25	0.00	1.11	2.E-27
P07355	AYTNFDAERDALNIETAIK	2154.07	2154.06	0.01	2.66	2.E-27
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	1.09	2.E-27
O43143	VYNPRIRVESLLVTAISK	2057.20	2057.20	0.00	-0.77	2.E-27
P38159	LFIGGLNTETNEK	1434.74	1434.74	0.00	2.55	2.E-27
P51991	EDTEEYNLRDYFEK	1849.80	1849.80	0.00	0.91	2.E-27
Q3BDU5	LVRSVTVVEDDEDEDGDDLLHHHHVSGSRR	3422.62	3422.62	0.00	0.62	2.E-27
Q08211	AENNSEVGASGYGVPPTWDRGANLK	2645.20	2645.25	-0.05	-17.98	2.E-27
O00148	GLAITFVSDENDAK	1479.74	1478.73	1.01	680.69	2.E-27
P08758	GLGTDEESILTLTSSRSNAQRQEISAAFK	3134.62	3134.62	0.00	0.69	2.E-27

P08670	TVETRDGQVINETSQHHDDLE	2422.11	2422.10	0.01	3.37	3.E-27
Q14254	TAEAQLAYELQGAREQQK	2033.03	2033.02	0.01	2.78	3.E-27
P52597	ITGEAFVQFASQELA EK	1866.95	1866.94	0.01	3.43	3.E-27
P19338	VEGTEPTAFNLFVGNLNFNK	2311.15	2311.15	0.00	-0.79	3.E-27
Q71U36	VGINYQPPTVVPGGDLAK	1823.98	1823.98	0.00	2.52	3.E-27
O75955	DIHDDQDYLHSLGK	1654.76	1654.76	0.00	2.49	3.E-27
P62701	LTGVFAPRPSTGPHK	1563.85	1563.85	0.00	0.43	3.E-27
P62701	LTGVFAPRPSTGPHK	1563.82	1563.85	-0.03	-17.09	3.E-27
P84090	(51)SHTILLVQPTK	1277.71	1277.73	-0.02	-12.96	3.E-27
Q9UMS4	VAHPIRPKPPSATSIPAILK	2094.14	2092.25	1.89	903.70	3.E-27
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	-0.98	3.E-27
P16403	ASGPPVSELITK	1197.64	1197.66	-0.02	-12.67	3.E-27
P36578	(41)ACARPLISVYSEK	1534.78	1534.78	0.00	1.84	3.E-27
P36578	(41)ACARPLISVYSEK	1534.76	1534.78	-0.02	-15.10	3.E-27
P05787	YEELQSLAGK	1136.57	1136.57	0.00	1.38	3.E-27

P05787	YEELQSLAGK	1136.56	1136.57	-0.01	-10.59	3.E-27
O60812	VDSLLENLEK	1158.61	1158.61	0.00	-0.34	4.E-27
O60812	VDSLLENLEK	1158.60	1158.61	-0.01	-11.91	4.E-27
O60812	VDSLLENLEK	1158.59	1158.61	-0.02	-20.28	4.E-27
O60812	VDSLLENLEK	1157.65	1158.61	-0.96	-826.92	4.E-27
O60506	IPRDLFEDELVPLFEK	1959.04	1959.04	0.00	1.95	4.E-27
Q99729	FGEVVDCTIK	1169.62	1166.56	3.06	2616.02	4.E-27
Q99729	FGEVVDCTIK	1166.56	1166.56	0.00	0.48	4.E-27
Q71U36	VGINYQPPTVVPGGDLAK	1820.99	1823.98	-2.99	-1639.77	4.E-27
O43390	IPRDLYEDELVPLFEK	1975.03	1975.03	0.00	1.12	4.E-27
Q14254	TAEAQLAYELQGAREQQK	2032.93	2033.02	-0.09	-44.84	4.E-27
P62873	(51)SELDQLRQEAQLK	1727.88	1727.87	0.01	3.53	4.E-27
P35659	VYENYPTYDLTERK	1789.86	1789.85	0.01	3.26	4.E-27
P04083	QAWFIENEEQEYVQTVK	2140.02	2140.01	0.01	3.33	4.E-27
P02545	AA YEAE LGDARK	1292.64	1292.64	0.00	2.75	4.E-27

P02545	AA YEAE LGDARK	1292.63	1292.64	-0.01	-11.48	4.E-27
P04083	DITSDTSGDFRNALLSLAK	2023.02	2023.02	0.00	2.34	4.E-27
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	0.44	5.E-27
P84090	(51)SHTILLVQPTK	1279.71	1277.73	1.98	1544.21	5.E-27
P84090	(51)SHTILLVQPTK	1277.73	1277.73	0.00	-0.12	5.E-27
Q96GQ7	ALQEFDLALRGK	1359.75	1359.75	0.00	1.09	5.E-27
Q04695	VRALEEANTELEVK	1603.80	1599.85	3.95	2464.36	5.E-27
Q9UMS4	VAHPIRPKPPSATSIPAILK	2092.25	2092.25	0.00	1.33	5.E-27
P49736	VAVGELTDEDVK	1273.64	1273.64	0.00	1.39	5.E-27
P62906	VSRDTLYEAVREVLHGNQRK	2369.26	2369.26	0.00	0.44	5.E-27
P07355	SLYYYIQQDTK	1420.69	1420.69	0.00	3.07	5.E-27
P36578	APIRPDIVNFVHTNLRK	1989.14	1989.13	0.01	2.58	5.E-27
Q13435	PLYGDVFGTNAAEFQTK	1856.90	1856.89	0.01	2.72	5.E-27
P52597	ITGEAFVQFASQELAEK	1866.94	1866.94	0.00	2.30	5.E-27
P07355	SALSGHLETVILGLLK	1649.97	1649.97	0.00	-0.58	6.E-27

Q04695	VRALEEANTELEVK	1599.85	1599.85	0.00	1.58	6.E-27
Q04695	VRALEEANTELEVK	1599.82	1599.85	-0.03	-15.79	6.E-27
P26373	STESLQANVQRLK	1474.80	1472.79	2.01	1360.86	6.E-27
P62906	KYDAFLASESLIK	1483.79	1483.79	0.00	-0.21	6.E-27
P62906	KYDAFLASESLIK	1483.77	1483.79	-0.02	-15.78	6.E-27
P09651	GGNFGRRSSGPYGGGGQYFAK	2019.92	2019.92	0.00	0.30	6.E-27
P62241	ISSLLEEQFQQGK	1505.77	1505.77	0.00	0.49	6.E-27
P16403	ASGPPVSELITK	1197.65	1197.66	-0.01	-11.84	6.E-27
P11142	SINPDEAVAYGAAVQAAILSGDK	2259.14	2259.14	0.00	0.16	6.E-27
Q99729	FGEVVDCTIK	1169.62	1166.56	3.06	2616.70	6.E-27
Q99729	FGEVVDCTIK	1166.56	1166.56	0.00	0.40	6.E-27
Q99729	FGEVVDCTIK	1166.55	1166.56	-0.01	-12.55	6.E-27
P16403	ASGPPVSELITK	1199.65	1197.66	1.99	1661.58	7.E-27
P16403	ASGPPVSELITK	1195.55	1197.66	-2.11	-1767.29	7.E-27
P35659	NVGQFSGFPFEK	1352.78	1355.65	-2.87	-2122.87	7.E-27

P08670	ILLAELEQLK	1169.67	1168.71	0.96	822.29	7.E-27
P08670	ILLAELEQLK	1168.71	1168.71	0.00	2.31	7.E-27
O75955	LPQVAEEISGPLTSANK	1752.93	1752.93	0.00	2.77	7.E-27
O75955	LPQVAEEISGPLTSANK	1751.04	1752.93	-1.89	-1078.76	7.E-27
P07355	SALSGHLETVILGLLK	1650.95	1649.97	0.98	591.26	7.E-27
Q9Y3B9	(41)AAAAPDSRVSEENLK	1727.83	1727.83	0.00	0.75	7.E-27
P11142	DAGTIAGLNVLRINEPTAAAIYGLDK	2839.54	2839.54	0.00	-0.38	7.E-27
P11142	DAGTIAGLNVLRINEPTAAAIYGLDK	2837.42	2839.54	-2.12	-748.03	7.E-27
P02545	RQNGDDPLLTYRFPPK	1916.97	1915.99	0.98	513.56	8.E-27
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	-0.73	8.E-27
Q9NPA8	GLEHVTVDLVAEITPK	1834.97	1834.97	0.00	1.26	9.E-27
P05787	LSELEAALQRAK	1328.83	1327.75	1.08	811.37	9.E-27
Q53F64	IFVGGLNPEATEEK	1502.76	1502.76	0.00	2.24	9.E-27
P35659	NVGQFSGFPFEK	1355.65	1355.65	0.00	2.53	9.E-27
P62906	KYDAFLASESLIK	1483.79	1483.79	0.00	-0.21	1.E-26

P02545	EGDLIAAQARLK	1284.71	1283.72	0.99	766.94	1.E-26
P02545	EGDLIAAQARLK	1283.72	1283.72	0.00	-0.40	1.E-26
P33992	IPGIIAASAVRAK	1378.87	1378.87	0.00	-0.49	1.E-26
O43172	APDDLVPVVK	1122.63	1122.63	0.00	2.11	1.E-26
P04083	GLGTDEDTLIEILASRTNK	2045.06	2045.06	0.00	1.50	1.E-26
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	0.52	1.E-26
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	0.22	1.E-26
O75367	GKLEAIITPPPAK	1336.81	1333.80	3.01	2253.13	1.E-26
P16403	ASGPPVSELITK	1192.67	1197.66	-4.99	-4185.64	1.E-26
Q13509	MSSTFIGNSTAIQELFK	1876.86	1872.93	3.93	2095.07	1.E-26
O00148	LTLHGLQYYVK	1463.70	1461.80	1.90	1298.23	1.E-26
P05787	LSELEAALQRAK	1327.75	1327.75	0.00	1.03	1.E-26
P08107	DAGVIAGLNVLRIINEPTAAAIYGLDRTGK	3151.73	3151.74	-0.01	-1.77	1.E-26
Q15393	LGAVFNQVAFPLQYTPRK	2048.12	2048.12	0.00	1.86	1.E-26
P23396	KPLPDHVSIVEPK	1457.82	1457.82	0.00	1.73	1.E-26

Q9UKV3	AAPCIYWLPLTDSQIVQK	2102.09	2102.09	0.00	1.18	1.E-26
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	-0.90	2.E-26
P16403	ASGPPVSELITK	1197.64	1197.66	-0.02	-12.92	2.E-26
Q9BUV3	ATGATQQDANASSLLDIYSFWLNRSK	2927.45	2927.44	0.01	2.28	2.E-26
O75367	GKLEAIITPPPAK	1334.76	1333.80	0.96	718.71	2.E-26
O75367	GKLEAIITPPPAK	1332.64	1333.80	-1.16	-874.13	2.E-26
P02545	RTLEGELHDLRGQVAK	1825.07	1820.99	4.08	2236.11	2.E-26
Q53F64	IFVGGLNPEATEEK	1500.68	1502.76	-2.08	-1386.19	2.E-26
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	0.35	2.E-26
Q13509	MSSTFIGNSTAIQELFK	1876.86	1872.93	3.93	2094.97	2.E-26
O14979	VFVGGLSPDTSEEQIK	1704.86	1704.86	0.00	2.82	2.E-26
P07355	GRRAEDGSVIDYELIDQDARDLYDAGVK	3138.52	3138.52	0.00	1.27	2.E-26
P09661	NAIANASTLAEVERLK	1698.93	1698.93	0.00	0.87	2.E-26
O75367	GKLEAIITPPPAK	1333.80	1333.80	0.00	0.38	2.E-26
Q02878	AIPQLQGYLRVSVFALTNGIYPHK	2585.41	2585.41	0.00	1.13	3.E-26

O00148	LTLHGLQQYYVK	1461.80	1461.80	0.00	2.54	3.E-26
P05787	YEELQSLAGK	1138.09	1136.57	1.52	1332.38	3.E-26
O43172	APDDLVPVVK	1127.53	1122.63	4.90	4344.61	3.E-26
P02545	EGDLIAAQARLK	1283.72	1283.72	0.00	0.92	3.E-26
P02545	EGDLIAAQARLK	1282.76	1283.72	-0.96	-746.37	3.E-26
Q99729	MFVGGLSWDTSK	1328.65	1326.63	2.02	1523.19	3.E-26
P63261	(44)EEEIAALVIDNGSGMCK	1883.00	1876.85	6.15	3267.18	3.E-26
P63261	(44)EEEIAALVIDNGSGMCK	1877.86	1876.85	1.01	537.86	3.E-26
O14979	VFVGGLSPDTSEEQIK	1704.86	1704.86	0.00	2.88	3.E-26
O14979	VFVGGLSPDTSEEQIK	1704.83	1704.86	-0.03	-17.24	3.E-26
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.45	2833.44	0.01	2.42	3.E-26
P04083	GLGTDEDTLIEILASRTNK	2045.06	2045.06	0.00	0.77	3.E-26
P14136	LALDIEIATYRK	1404.80	1404.80	0.00	1.47	3.E-26
P84090	(51)SHTILLVQPTK	1277.71	1277.73	-0.02	-13.50	4.E-26
P20700	AEHDQLLLNYAK	1417.70	1413.73	3.97	2800.11	4.E-26

P02545	RTLEGELHDLRGQVAK	1820.99	1820.99	0.00	-0.19	4.E-26
P02545	RTLEGELHDLRGQVAK	1819.04	1820.99	-1.95	-1074.34	4.E-26
Q9Y4Y9	(41)AANATTNPSQLLPLELVDK	2036.08	2036.08	0.00	1.87	4.E-26
O00148	(41)AEQDVENDLLDYDEEEEPQAPQESTPAPPK	3424.51	3424.50	0.01	2.98	4.E-26
P62906	KYDAFLASESLIK	1483.79	1483.79	0.00	0.06	4.E-26
P62906	KYDAFLASESLIK	1483.77	1483.79	-0.02	-15.51	4.E-26
Q53F64	IFVGGLNPEATEEK	1498.80	1502.76	-3.96	-2639.99	4.E-26
P11021	PYIQVDIGGGQTK	1374.71	1374.71	0.00	0.21	4.E-26
P05787	YEELQSLAGK	1136.57	1136.57	0.00	1.82	4.E-26
Q9NWH9	(41)AAATGAVAASAASGQAEKG	1632.81	1629.80	3.01	1845.46	4.E-26
Q9UQE7	IRELGSLPQEAFEK	1619.73	1615.86	3.87	2392.16	5.E-26
Q9UQE7	IRELGSLPQEAFEK	1615.86	1615.86	0.00	1.40	5.E-26
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	3.04	5.E-26
P22626	RGFGFVTFDDHDPVDK	1850.86	1850.86	0.00	-0.17	5.E-26
P22626	RGFGFVTFDDHDPVDK	1850.83	1850.86	-0.03	-13.62	5.E-26

P61978	IILDLISESPIK	1339.80	1339.80	0.00	-0.03	5.E-26
P61978	IILDLISESPIK	1339.78	1339.80	-0.02	-12.34	5.E-26
P84090	(51)SHTILLVQPTK	1277.73	1277.73	0.00	0.58	5.E-26
Q13509	MSSTFIGNSTAIQELFK	1872.94	1872.93	0.01	3.13	5.E-26
P62805	VFLENVIRDAVTYTEHAK	2104.10	2104.10	0.00	-0.22	5.E-26
P61247	VERADGYEPPVQESV	1673.79	1673.79	0.00	-1.04	5.E-26
P62081	AQLRELNITAAK	1326.76	1326.76	0.00	0.36	5.E-26
P20700	AEHDQLLLNYAK	1413.73	1413.73	0.00	2.76	5.E-26
P20700	AEHDQLLLNYAK	1411.24	1413.73	-2.49	-1763.56	5.E-26
Q969G3	IAAEIAQAEQARK	1526.85	1526.81	0.04	25.85	6.E-26
Q969G3	IAAEIAQAEQARK	1526.81	1526.81	0.00	2.53	6.E-26
Q9UKM9	SINSRVFIGNLNTALVK	1845.05	1845.05	0.00	0.05	6.E-26
Q09028	TPSSDVLVFDYTK	1470.72	1470.72	0.00	2.51	6.E-26
P07355	SALSGHLETVILGLLK	1649.97	1649.97	0.00	0.20	6.E-26
P61978	IILDLISESPIK	1336.73	1339.80	-3.07	-2293.76	6.E-26

Q9NWH9	(41)AAATGAVAASAASGQAEKG	1630.81	1629.80	1.01	618.52	6.E-26
Q969G3	IAAEIAQAEEQARK	1526.76	1526.81	-0.05	-35.20	7.E-26
Q99729	MFVGGLSWDTSK	1326.63	1326.63	0.00	0.30	7.E-26
Q14103	IFVGGLSPDTPEEK	1488.83	1487.75	1.08	728.46	7.E-26
Q14103	IFVGGLSPDTPEEK	1487.75	1487.75	0.00	1.86	7.E-26
Q14103	IFVGGLSPDTPEEK	1487.73	1487.75	-0.02	-15.42	7.E-26
Q14103	IFVGGLSPDTPEEK	1483.80	1487.75	-3.95	-2659.67	7.E-26
Q9NWB6	LIEEETARRVEELVAK	1884.03	1884.03	0.00	-0.21	7.E-26
P36578	AFRNIPGITLLNVSK	1641.96	1641.96	0.00	2.80	8.E-26
Q969G3	IAAEIAQAEEQARK	1524.73	1526.81	-2.08	-1364.73	8.E-26
Q969G3	IAAEIAQAEEQARK	1522.81	1526.81	-4.00	-2627.28	8.E-26
O75955	DIHDDQDYLSLGLK	1654.76	1654.76	0.00	2.43	8.E-26
Q13435	RAAVLLEQERQEQIAK	1881.05	1881.04	0.01	2.99	8.E-26
Q13509	MSSTFIGNSTAIQELFK	1872.94	1872.93	0.01	2.70	8.E-26
P07355	SALSGHLETVILGLLK	1649.97	1649.97	0.00	1.42	8.E-26

P07355	SALSGHLETVILGLLK	1659.85	1649.97	9.88	5952.66	8.E-26
P20700	AEHDQLLLNYAK	1417.70	1413.73	3.97	2800.39	8.E-26
P20700	AEHDQLLLNYAK	1413.75	1413.73	0.02	16.19	8.E-26
P20700	AEHDQLLLNYAK	1413.73	1413.73	0.00	2.76	8.E-26
P11021	LYGSAGPPPTGEEDTAEK	1817.83	1817.83	0.00	0.72	9.E-26
P11021	LYGSAGPPPTGEEDTAEK	1815.95	1817.83	-1.88	-1034.55	9.E-26
P02545	RQNGDDPLLTYRFPPK	1916.98	1915.99	0.99	514.55	9.E-26
Q09161	IEVQVQTLHLAAK	1580.93	1580.93	0.00	-0.81	9.E-26
P08670	ILLAELEQLK	1168.71	1168.71	0.00	1.54	9.E-26
P08670	ILLAELEQLK	1168.70	1168.71	-0.01	-11.46	9.E-26
P08107	AQIHDLVLVGGSTRIPK	1804.05	1803.04	1.01	557.68	9.E-26
P07305	YSDMIVAAIQAEK	1446.75	1437.72	9.03	6243.27	9.E-26
P07305	YSDMIVAAIQAEK	1444.75	1437.72	7.03	4862.77	9.E-26
P09661	NAIANASTLAEVERLK	1698.93	1698.93	0.00	0.46	1.E-25
P19338	FGYVDFESAEDLEK	1649.81	1647.73	2.08	1260.81	1.E-25

P19338	FGYVDFESAEDLEK	1647.73	1647.73	0.00	0.67	1.E-25
P19338	VEGTEPTTAFNLFVGNLNFNK	2311.15	2311.15	0.00	-0.79	1.E-25
P62906	KYDAFLASESLIK	1487.90	1483.79	4.11	2762.47	1.E-25
Q9UKV3	ISNIVHISNLVRPFTLGQLK	2248.31	2248.31	0.00	-1.22	1.E-25
Q9UKV3	ISNIVHISNLVRPFTLGQLK	2244.17	2248.31	-4.14	-1844.53	1.E-25
P17676	VLELTAENERLQK	1542.82	1541.84	0.98	634.10	1.E-25
P17676	VLELTAENERLQK	1541.85	1541.84	0.01	3.31	1.E-25
Q96GM8	TANFVAVDTELSGLGDRK	1891.97	1891.96	0.01	3.00	1.E-25
Q13151	RGFGFVYFQNHDAADK	1881.00	1870.88	10.12	5380.64	1.E-25
Q9NZB2	PVAPQVPSGGAPGQGPYPYSLSEPAPLTLDTSGK	3431.73	3431.72	0.01	2.35	1.E-25
P62906	FPSLLTHNENMVAK	1604.74	1599.81	4.93	3071.72	1.E-25
O00571	RSFLDLLNATGK	1446.82	1446.82	0.00	-0.99	1.E-25
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	2.24	1.E-25
Q14254	VDEIVVLSGDNSK	1373.70	1373.70	0.00	2.41	1.E-25
P84090	(51)SHTILLVQPTK	1277.71	1277.73	-0.02	-12.80	1.E-25

O43390	DYAFVHFEDRGAAVK	1723.83	1723.83	0.00	0.54	1.E-25
P08670	TVETRDGQVINETSQHHDDLE	2422.11	2422.10	0.01	3.20	2.E-25
P19338	VEGTEPTTAFNLFVGNLNFNK	2311.15	2311.15	0.00	0.21	2.E-25
P09661	NAIANASTLAEVERLK	1696.80	1698.93	-2.13	-1254.84	2.E-25
P62424	VPPAINQFTQALDRQTATQLLK	2452.34	2452.34	0.00	0.54	2.E-25
P62906	KYDAFLASESLIK	1483.79	1483.79	0.00	0.87	2.E-25
P26447	ELLTRELPSFLGK	1502.83	1501.85	0.98	650.84	2.E-25
P84090	(51)SHTILLVQPTK	1277.73	1277.73	0.00	-0.04	2.E-25
P46781	IEDFLERRLQTQVFK	1921.04	1921.04	0.00	1.09	2.E-25
P14136	LALDIEIATYRK	1404.80	1404.80	0.00	2.11	2.E-25
Q99848	PGLNVVLEGPKK	1249.74	1249.74	0.00	0.57	2.E-25
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	0.38	2.E-25
P26447	ELLTRELPSFLGK	1501.85	1501.85	0.00	-1.06	2.E-25
P09651	GGNFGGRSSGPYGGGGQYFAK	2020.93	2019.92	1.01	498.73	2.E-25
P62241	ISSLLEEQFQQGK	1505.77	1505.77	0.00	0.56	2.E-25

O00148	LTLHGLQQYYVK	1463.70	1461.80	1.90	1299.93	2.E-25
P39023	FSAPRHGSLGFLPRK	1668.92	1668.92	0.00	1.79	3.E-25
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	-0.90	3.E-25
P16403	ASGPPVSELITK	1197.65	1197.66	-0.01	-12.00	3.E-25
Q9UKX7	GLVVPSSGGGRFSGFGSAGGK	1849.95	1849.94	0.01	3.17	3.E-25
Q9UKX7	GLVVPSSGGGRFSGFGSAGGK	1848.90	1849.94	-1.04	-564.68	3.E-25
O60506	ALLERTGYTLDVTTGQRK	2025.07	2021.09	3.98	1967.72	3.E-25
P35659	LCEIERIHFFLSK	1690.89	1690.89	0.00	1.08	3.E-25
Q9UHX1	FGAVNRVIYQEK	1535.85	1535.85	0.00	2.87	3.E-25
P02545	RTLEGELHDLRGQVAK	1825.07	1820.99	4.08	2235.01	3.E-25
P02545	RTLEGELHDLRGQVAK	1820.99	1820.99	0.00	0.02	3.E-25
O00148	LTLHGLQQYYVK	1462.71	1461.80	0.91	625.36	3.E-25
P02545	LALDMEIHAYRK	1458.77	1458.77	0.00	-1.16	3.E-25
P62906	FPSLLTHNENMVAK	1599.81	1599.81	0.00	0.88	3.E-25
Q6I9Y2	(46)GAVTDDEVIRK	1243.64	1243.64	0.00	1.26	3.E-25

Q6I9Y2	(46)GAVTDDEVIRK	1241.73	1243.64	-1.91	-1539.17	3.E-25
Q6I9Y2	(46)GAVTDDEVIRK	1240.68	1243.64	-2.96	-2387.19	3.E-25
O60506	DLEGENIEIVFAKPPDQK	2041.04	2041.04	0.00	0.62	4.E-25
Q9NY12	VPYFNAPVYLENK	1552.79	1552.79	0.00	0.61	4.E-25
P05388	ISRGTIEILSDVQLIK	1784.04	1784.04	0.00	1.22	4.E-25
Q9Y5S9	GYTLVEYETYK	1364.65	1364.65	0.00	0.60	4.E-25
Q9Y5S9	GYTLVEYETYK	1364.63	1364.65	-0.02	-14.21	4.E-25
Q9BTD8	(41)AGAGPAPGLPGAGGPVVPGPAGIPGK	2217.20	2217.19	0.01	4.09	4.E-25
Q92841	APILIATDVASRGLDVEDVK	2081.14	2081.14	0.00	0.68	4.E-25
Q99729	MFVGGLSWDTSK	1328.65	1326.63	2.02	1523.19	4.E-25
Q99729	MFVGGLSWDTSK	1326.63	1326.63	0.00	0.60	4.E-25
Q8NC51	VEFNIRKPNEGADGQWK	1991.90	1986.99	4.91	2463.81	4.E-25
Q8NC51	VEFNIRKPNEGADGQWK	1986.99	1986.99	0.00	2.35	4.E-25
O00148	LTLHGLQQYYVK	1461.80	1461.80	0.00	1.86	4.E-25
P02545	RTLEGELHDLRGQVAK	1819.04	1820.99	-1.95	-1074.17	4.E-25

P62701	VNDTIQIDLETGK	1445.74	1444.74	1.00	694.86	5.E-25
P62701	VNDTIQIDLETGK	1444.88	1444.74	0.14	97.92	5.E-25
P26447	ELLTRELPSFLGK	1502.83	1501.85	0.98	651.17	5.E-25
P26447	ELLTRELPSFLGK	1501.85	1501.85	0.00	-1.13	5.E-25
P05783	GLQAQIASSGLTVEVDAPK	1885.00	1883.00	2.00	1062.40	5.E-25
Q6I9Y2	(46)GAVTDDEVIRK	1248.61	1243.64	4.97	3980.63	5.E-25
Q6I9Y2	(46)GAVTDDEVIRK	1245.65	1243.64	2.01	1611.26	5.E-25
P61247	VERADGYEPPVQESV	1673.79	1673.79	0.00	0.09	5.E-25
P61247	VERADGYEPPVQESV	1673.79	1673.79	0.00	-0.09	5.E-25
P11142	SENVQDLLLLDVTPLSLGIETAGGVMVTLIK	3237.78	3237.78	0.00	-1.49	5.E-25
O60812	VDSLLENLEK	1158.61	1158.61	0.00	0.00	5.E-25
O60812	VDSLLENLEK	1158.60	1158.61	-0.01	-12.25	5.E-25
O60812	VDSLLENLEK	1156.56	1158.61	-2.05	-1775.52	5.E-25
Q53G20	GTAAAAAAAAAAAAAK	1088.61	1227.66	-139.05	-127736.00	5.E-25
Q53G20	GTAAAAAAAAAAAAAK	1085.59	1227.66	-142.07	-130874.00	5.E-25

P46783	NRIAIYELLFK	1380.81	1378.80	2.01	1456.00	6.E-25
P05783	GLQAQIASSGLTVEVDAPK	1883.00	1883.00	0.00	2.57	6.E-25
P62424	VPPAINQFTQALDRQTATQLLK	2452.34	2452.34	0.00	0.91	6.E-25
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	2.16	7.E-25
P22626	IDTIEIITDRQSGK	1587.77	1587.85	-0.08	-52.32	7.E-25
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	-0.15	7.E-25
P11021	KSDIDEIVLVGGSTRIPK	1926.08	1926.08	0.00	0.91	7.E-25
P14136	LALDIEIATYRK	1407.82	1404.80	3.02	2148.47	7.E-25
P14136	LALDIEIATYRK	1404.80	1404.80	0.00	1.33	7.E-25
P46778	TGRVYNVTQHAVGIVVNK	1954.07	1954.07	0.00	1.27	7.E-25
P12270	(41)AAVLQQVLERTELNK	1752.97	1752.97	0.00	1.71	7.E-25
P11142	SQIHDIVLVGGSTRIPK	1820.99	1819.03	1.96	1073.62	7.E-25
P11142	SQIHDIVLVGGSTRIPK	1819.03	1819.03	0.00	0.42	7.E-25
Q32Q82	PSSSPVIFAGGQAYTIQQQYAIQPDLTK	3035.55	3033.54	2.01	661.56	7.E-25
Q12906	PAVVAPAPVVEAVSTPSAAFPSDATAEQGPILTK	3300.60	3287.73	12.87	3899.01	8.E-25

P19338	VEGTEPTTAFNLFVGNLNFNK	2311.15	2311.15	0.00	-0.27	8.E-25
P07355	DIISDTSGDFRK	1353.70	1352.66	1.04	767.76	8.E-25
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	2.53	8.E-25
P22626	IDTIEIITDRQSGK	1587.77	1587.85	-0.08	-52.45	8.E-25
Q09161	DGVLEEQIERLQEK	1684.86	1684.86	0.00	-0.62	9.E-25
Q96IZ7	EEDQATLVEQVK	1387.68	1387.68	0.00	3.05	9.E-25
P11021	PYIQVDIGGGQTK	1374.71	1374.71	0.00	0.58	9.E-25
P05787	YEELQSLAGK	1136.56	1136.57	-0.01	-10.50	9.E-25
Q9UMS4	TVPEELVKPEELSK	1596.86	1596.86	0.00	2.62	1.E-24
Q9UMS4	TVPEELVKPEELSK	1593.77	1596.86	-3.09	-1940.57	1.E-24
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	2.29	1.E-24
P02545	RQNGDDPLLTYRFPPK	1916.98	1915.99	0.99	514.14	1.E-24
P19338	EVFEDAAEIRLVSK	1605.76	1604.84	0.92	571.54	1.E-24
P11142	SENVQDLLLLDVTPLSLGIETAGGVMVLIK	3238.78	3237.78	1.00	308.63	1.E-24
P62701	LTGVFAPRPSTGPHK	1563.85	1563.85	0.00	1.58	1.E-24

O75934	RYELPAPSSGQK	1331.68	1331.68	0.00	0.34	1.E-24
P22626	IDTIEIITDRQSGK	1584.76	1587.85	-3.09	-1949.18	1.E-24
P11021	SDIDEIVLVGGSTRIPK	1798.98	1797.98	1.00	557.82	1.E-24
P60709	YPIE(317)HGIVTNWDDMEK	1958.05	1959.90	-1.85	-945.17	1.E-24
P02545	RQNGDDPLLTYRFPPK	1916.97	1915.99	0.98	513.56	1.E-24
Q12905	PAPDETSFSEALLK	1507.78	1503.75	4.03	2672.18	1.E-24
P04083	GGPGSAVSPYPTFNPSSDVAALHK	2355.15	2355.15	0.00	0.14	1.E-24
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	0.35	1.E-24
P19338	EVFEDAAEIRLVSK	1604.64	1604.84	-0.20	-126.41	1.E-24
P08729	LEAAIAEAEERGELALK	1811.97	1811.96	0.01	3.68	2.E-24
Q9UMS4	TVPEELVKPEELSK	1599.85	1596.86	2.99	1870.10	2.E-24
Q9NWB6	QLLEELERQRQAELAAQK	2152.16	2152.16	0.00	-0.14	2.E-24
P34931	VEIANDQGNRTTPSYVAFTDTERLIGDAAK	3364.69	3364.69	0.00	-0.91	2.E-24
P60709	YPIE(317)HGIVTNWDDMEK	1959.90	1959.90	0.00	1.49	2.E-24
P60709	YPIE(317)HGIVTNWDDMEK	1959.88	1959.90	-0.02	-12.24	2.E-24

P07355	DIISDTSGDFRK	1352.78	1352.66	0.12	90.79	2.E-24
P07355	DIISDTSGDFRK	1352.66	1352.66	0.00	2.82	2.E-24
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	3.10	2.E-24
P22626	IDTIEIITDRQSGK	1587.77	1587.85	-0.08	-51.25	2.E-24
P05787	LSELEAALQRAK	1327.75	1327.75	0.00	2.84	2.E-24
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	1.75	2.E-24
O60506	IPRDLFEDELVPLFEK	1959.04	1959.04	0.00	1.24	2.E-24
P08670	VESLQEEIAFLK	1404.75	1404.75	0.00	1.56	2.E-24
P08670	VESLQEEIAFLK	1404.73	1404.75	-0.02	-14.18	2.E-24
Q12905	RNQDLAPNSAEQASILSLVTK	2263.38	2254.19	9.19	4058.41	2.E-24
P02545	RQNGDDPLLTYRFPPK	1916.97	1915.99	0.98	513.35	2.E-24
Q12905	PAPDETSFSEALLK	1503.75	1503.75	0.00	2.56	2.E-24
Q12905	PAPDETSFSEALLK	1500.71	1503.75	-3.04	-2025.88	2.E-24
P36578	AFRNIPGITLLNVSK	1641.96	1641.96	0.00	2.80	2.E-24
P02545	AA YEAE LGDARK	1292.64	1292.64	0.00	0.12	2.E-24

P05783	KGPQVRDWSHYFK	1646.83	1646.83	0.00	3.01	2.E-24
P46781	IEDFLERRLQTQVFK	1921.04	1921.04	0.00	0.77	2.E-24
Q3BDU5	LVRSVTVVEDDEDEDGDDLLHHHHVSGSRR	3422.62	3422.62	0.00	0.24	2.E-24
P06748	VDNDENEHQLSLRTVSLGAGAK	2357.09	2352.17	4.92	2085.83	2.E-24
P06748	VDNDENEHQLSLRTVSLGAGAK	2352.17	2352.17	0.00	0.97	2.E-24
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	2.53	2.E-24
P22626	IDTIEIITDRQSGK	1587.77	1587.85	-0.08	-52.13	2.E-24
Q92841	APILIATDVASRGLDVEDVK	2081.14	2081.14	0.00	0.25	3.E-24
Q15393	TPVEEVPAIAPFQGRVLIGVGK	2347.33	2347.33	0.00	1.32	3.E-24
P05787	LSELEAALQRAK	1327.75	1327.75	0.00	2.76	3.E-24
P62140	YQYGGLNSGRPVTPPRTANPPK	2369.22	2369.22	0.00	0.59	3.E-24
Q04695	VRALEEANTELEVK	1599.85	1599.85	0.00	2.71	3.E-24
P36578	AFRNIPGITLLNVSK	1641.96	1641.96	0.00	1.77	3.E-24
P09651	IEVIEIMTDRGSGK	1546.80	1546.80	0.00	2.48	3.E-24
P08670	VESLQEEIAFLK	1401.70	1404.75	-3.05	-2179.16	3.E-24

P23396	RFGFPEGSVELYAEK	1727.85	1727.85	0.00	1.31	3.E-24
P62906	KYDAFLASESLIK	1483.79	1483.79	0.00	-0.14	3.E-24
P62906	KYDAFLASESLIK	1483.77	1483.79	-0.02	-15.58	3.E-24
O75367	GVTIASGGVLPNIHPELLAK	1985.13	1985.13	0.00	-1.06	3.E-24
P62906	KYDAFLASESLIK	1483.79	1483.79	0.00	1.41	3.E-24
P08670	VESLQEEIAFLK	1404.75	1404.75	0.00	1.27	3.E-24
P08670	VESLQEEIAFLK	1404.73	1404.75	-0.02	-13.68	3.E-24
P35908	VRFLEQQNQVLQTK	1729.95	1729.95	0.00	0.58	3.E-24
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	0.15	3.E-24
P62701	VNDTIQIDLETGK	1445.74	1444.74	1.00	694.51	3.E-24
P02545	RQNGDDPLLTYRFPPK	1916.98	1915.99	0.99	514.14	3.E-24
O15514	ALIPSLEGRFEDEELQQILDDIQTK	2899.49	2899.48	0.01	2.03	3.E-24
P02545	AGQVVTIWAAGAGATHSPPTDLVWK	2532.31	2532.31	0.00	-0.29	4.E-24
P20700	VDLENRCQSLTEDLEFRK	2251.09	2251.09	0.00	0.77	4.E-24
Q04695	VRALEEANTELEVK	1596.86	1599.85	-2.99	-1869.33	4.E-24

Q9Y310	NVTDVVNTCHDAGISK	1732.93	1728.81	4.12	2376.57	4.E-24
Q9Y310	NVTDVVNTCHDAGISK	1728.92	1728.81	0.11	63.00	4.E-24
Q9Y310	NVTDVVNTCHDAGISK	1728.82	1728.81	0.01	3.31	4.E-24
P04083	DITSDTSGDFRNALLSLAK	2023.02	2023.02	0.00	2.29	4.E-24
P61247	VERADGYEPPVQESV	1673.79	1673.79	0.00	-0.56	4.E-24
P06748	NCFRMTDQEAIQDLWQWRK	2524.40	2524.17	0.23	91.68	4.E-24
P06748	NCFRMTDQEAIQDLWQWRK	2524.17	2524.17	0.00	-0.46	4.E-24
P22626	IDTIEIITDRQSGK	1587.86	1587.85	0.01	3.42	5.E-24
P22626	IDTIEIITDRQSGK	1587.77	1587.85	-0.08	-50.56	5.E-24
Q9UQE7	AELGTDLLSQLSLEDQK	1858.96	1858.95	0.01	3.47	5.E-24
P61978	IILDLISESPIK	1343.74	1339.80	3.94	2928.91	5.E-24
P02545	RTLEGELHDLRGQVAK	1820.99	1820.99	0.00	0.02	5.E-24
P02545	RTLEGELHDLRGQVAK	1819.04	1820.99	-1.95	-1073.84	5.E-24
P62701	LTGVFAPRPSTGPHK	1563.85	1563.85	0.00	0.75	5.E-24
Q9H307	(41)AVAVRTLQEQLEK	1525.85	1525.85	0.00	1.30	5.E-24

Q9H307	(41)AVAVRTLQEQLK	1525.83	1525.85	-0.02	-15.48	5.E-24
Q8TDN6	FLVQNIHTLAELK	1524.88	1524.87	0.01	3.68	6.E-24
P14384	GQVFDQNGNPLPNVIVEVQDRK	2466.25	2465.27	0.98	396.54	6.E-24
O43143	IIPLYSTLPPQQQRIFEPKPK	2688.49	2686.48	2.01	746.03	6.E-24
P46783	NRIAIYELLFK	1378.80	1378.80	0.00	0.69	6.E-24
Q9UQE7	IRELGSLPQEAFEK	1619.73	1615.86	3.87	2391.49	7.E-24
Q04695	VRALEEANTELEVK	1599.85	1599.85	0.00	3.08	7.E-24
Q53G20	GTAAAAAAAAAAAAAK	1085.59	1227.66	-142.07	-130874.00	7.E-24
Q53G20	GTAAAAAAAAAAAAAK	1085.57	1227.66	-142.09	-130887.00	7.E-24
Q53G20	GTAAAAAAAAAAAAAK	1085.56	1227.66	-142.10	-130896.00	7.E-24
Q96DI7	TVAVWDSSETGERVK	1575.79	1575.79	0.00	-0.03	7.E-24
P07355	SYSPYDMLESIRK	1587.85	1587.76	0.09	57.95	7.E-24
P07355	SYSPYDMLESIRK	1587.76	1587.76	0.00	2.09	7.E-24
O60506	EFNEDGALAVLQQFK	1707.85	1707.85	0.00	0.31	8.E-24
P61978	IILDLISESPIK	1339.80	1339.80	0.00	1.99	8.E-24

P31946	AVTEQGHELSNEERNLLSVAYK	2490.24	2486.24	4.00	1606.31	8.E-24
Q13421	IQSFLGGAPTEDLK	1474.77	1474.77	0.00	2.83	8.E-24
P46783	NRIAIYELLFK	1378.78	1378.80	-0.02	-13.23	9.E-24
Q9NVP1	QIFNVNNLNPQVALSFGFK	2262.22	2262.22	0.00	-1.53	9.E-24
P14384	GQVFDQNGNPLPNVIVEVQDRK	2465.28	2465.27	0.01	2.29	9.E-24
Q9UQE7	IRELGSLPQEAFEK	1615.86	1615.86	0.00	1.53	9.E-24
P05787	LSELEAALQRAK	1327.75	1327.75	0.00	2.01	1.E-23
P60709	ILTERGYSFTTTAEREIVRDIK	2597.38	2597.38	0.00	1.09	1.E-23
P11021	SQIFSTASDNQPTVTIK	1835.93	1835.93	0.00	-0.11	1.E-23
P11021	SQIFSTASDNQPTVTIK	1835.89	1835.93	-0.04	-19.72	1.E-23
P02545	DLEALLNSK	1003.62	1001.54	2.08	2068.22	1.E-23
P02545	DLEALLNSK	1001.53	1001.54	-0.01	-10.49	1.E-23
P31946	AVTEQGHELSNEERNLLSVAYK	2489.24	2486.24	3.00	1204.83	1.E-23
Q9Y3I0	NVTDVVNTCHDAGISK	1732.93	1728.81	4.12	2375.36	1.E-23
Q9Y3I0	NVTDVVNTCHDAGISK	1728.91	1728.81	0.10	60.63	1.E-23

Q9Y3I0	NVTDVVNTCHDAGISK	1728.81	1728.81	0.00	2.73	1.E-23
Q9Y3I0	NVTDVVNTCHDAGISK	1722.92	1728.81	-5.89	-3419.42	1.E-23
P45973	KREQSNDIARGFERGLEPEK	2358.20	2358.20	0.00	0.39	1.E-23
Q8TDN6	FLVQNIHTLAELK	1524.91	1524.87	0.04	24.54	1.E-23
Q8TDN6	FLVQNIHTLAELK	1524.87	1524.87	0.00	-0.25	1.E-23
Q15393	ALWDRGLLNGASQK	1527.82	1527.82	0.00	0.56	1.E-23
Q15393	ALWDRGLLNGASQK	1525.85	1527.82	-1.97	-1290.13	1.E-23
Q9NYL9	ILPVFDEPPNPTNVEESLK	2137.10	2137.09	0.01	2.83	1.E-23
O60506	EFNEDGALAVLQQFK	1707.85	1707.85	0.00	0.55	1.E-23
P05787	LSELEAALQRAK	1329.76	1327.75	2.01	1511.90	1.E-23
P04083	GGPGSAVSPYPTFNPSSDVAALHK	2355.15	2355.15	0.00	0.10	2.E-23
P08729	LEAAIAEAEERGELALK	1807.87	1811.96	-4.09	-2262.79	2.E-23
P07355	SLYYYIQDTK	1420.74	1420.69	0.05	33.05	2.E-23
P07355	SLYYYIQDTK	1420.69	1420.69	0.00	1.80	2.E-23
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	0.77	2.E-23

P05787	LSELEAALQRAK	1327.75	1327.75	0.00	2.38	2.E-23
P40429	YQAVTATLEEK	1251.63	1251.63	0.00	-0.21	2.E-23
P40429	YQAVTATLEEK	1251.62	1251.63	-0.01	-11.96	2.E-23
Q13421	IQSFLGGAPTEDLK	1478.73	1474.77	3.96	2679.31	2.E-23
P02545	DLEALLNSK	1001.54	1001.54	0.00	0.69	2.E-23
P02545	DLEALLNSK	1000.57	1001.54	-0.97	-971.05	2.E-23
P19338	EVFEDAAEIRLVSK	1605.76	1604.84	0.92	571.60	2.E-23
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	1.16	2.E-23
P08729	LEAAIAEAEERGELALK	1811.97	1811.96	0.01	3.18	2.E-23
P08729	LEAAIAEAEERGELALK	1811.80	1811.96	-0.16	-88.55	2.E-23
O75367	GKLEAIITPPPAK	1337.74	1333.80	3.94	2946.32	2.E-23
P02545	RTLEGELHDLRGQVAK	1820.99	1820.99	0.00	0.46	2.E-23
P02545	RTLEGELHDLRGQVAK	1820.99	1820.99	0.00	0.90	2.E-23
P02545	RTLEGELHDLRGQVAK	1820.97	1820.99	-0.02	-12.50	2.E-23
P02545	RTLEGELHDLRGQVAK	1819.04	1820.99	-1.95	-1074.34	2.E-23

P02545	RTLEGELHDLRGQVAK	1819.04	1820.99	-1.95	-1073.24	2.E-23
O75533	DLLPRLTPILK	1277.81	1277.81	0.00	2.05	2.E-23
P02545	RQNGDDPLLTYRFPPK	1916.98	1915.99	0.99	514.08	2.E-23
P02545	LALDMEIHAYRK	1459.77	1458.77	1.00	688.06	2.E-23
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	1.36	2.E-23
P07355	AYTNFDAERDALNIETAIK	2149.15	2154.06	-4.91	-2283.03	2.E-23
Q9UMS4	EVTAAREALATLK	1371.77	1371.77	0.00	1.94	3.E-23
P08729	LEAAIAEAEERGELALK	1811.96	1811.96	0.00	1.47	3.E-23
O75367	GKLEAIITPPPAK	1334.76	1333.80	0.96	719.39	3.E-23
O75367	GKLEAIITPPPAK	1333.80	1333.80	0.00	0.83	3.E-23
O75367	GKLEAIITPPPAK	1332.64	1333.80	-1.16	-873.76	3.E-23
O60506	IPRDLFEDELVPLFEK	1959.04	1959.04	0.00	0.47	3.E-23
P09012	(41)AVPETRPNHTIYINNLNEK	2263.06	2264.15	-1.09	-483.18	3.E-23
P31946	TAFDEAIAELDTLNNEESYK	2158.00	2158.00	0.00	1.19	3.E-23
Q04695	EPVTTRQVRTIVEEVQDGGK	2185.23	2183.15	2.08	949.71	3.E-23

Q04695	EPVTTRQVRTIVEEVQDGK	2183.15	2183.15	0.00	2.16	3.E-23
P22626	IDTIEIITDRQSGK	1587.86	1587.85	0.01	3.61	3.E-23
P16403	(51)SETAPAAPAAAPPAEK	1519.75	1519.75	0.00	1.63	3.E-23
P05783	GLQAQIASSGLTVEVDAPK	1880.94	1883.00	-2.06	-1094.65	3.E-23
Q9UMS4	EVTAAREALATLK	1367.75	1371.77	-4.02	-2938.58	3.E-23
P63104	TAFDEAIAELDTLSEESYK	2130.98	2130.98	0.00	1.16	3.E-23
P02545	AGQVVTIWAAGAGATHSPPTDLVWK	2532.31	2532.31	0.00	0.06	3.E-23
P07355	SALSGHLETVILGLLK	1659.85	1649.97	9.88	5952.42	3.E-23
P67809	GAEANVTGPGGVPVQGSK	1694.87	1694.86	0.01	4.36	4.E-23
Q8IVT2	VRAVPTWASVQVDDPGSLASVESPGTPK	2948.52	2948.52	0.00	0.41	4.E-23
P16403	(51)SETAPAAPAAAPPAEK	1520.73	1519.75	0.98	643.23	4.E-23
P38919	(41)ATTATMATSGSARK	1394.68	1394.68	0.00	2.86	4.E-23
P62906	QIPRILGPGLNK	1308.60	1304.79	3.81	2908.97	4.E-23
P62906	QIPRILGPGLNK	1304.77	1304.79	-0.02	-13.89	4.E-23
O43390	IPRDLYEDELVPLFEK	1975.04	1975.03	0.01	3.14	4.E-23

Q9Y310	NVTDVVNTCHDAGISK	1732.93	1728.81	4.12	2376.57	4.E-23
Q9Y310	NVTDVVNTCHDAGISK	1728.92	1728.81	0.11	63.00	4.E-23
Q9Y310	NVTDVVNTCHDAGISK	1728.82	1728.81	0.01	3.31	4.E-23
Q9Y310	NVTDVVNTCHDAGISK	1722.92	1728.81	-5.89	-3418.78	4.E-23
P02545	RTLEGELHDLRGQVAK	1820.99	1820.99	0.00	-0.03	4.E-23
P02545	RTLEGELHDLRGQVAK	1820.97	1820.99	-0.02	-11.89	4.E-23
P02545	RTLEGELHDLRGQVAK	1819.04	1820.99	-1.95	-1074.39	4.E-23
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	1.18	4.E-23
P09012	(41)AVPETRPNHTIYINNLNEK	2264.15	2264.15	0.00	0.95	4.E-23
P32969	FLDGIYVSEK	1169.60	1169.60	0.00	0.76	4.E-23
P32969	FLDGIYVSEK	1169.59	1169.60	-0.01	-12.07	4.E-23
P62906	QIPRILGPGLNK	1304.79	1304.79	0.00	-0.56	4.E-23
P11142	TVTNAVVTVPAYFNDSQRQATK	2409.23	2409.23	0.00	1.36	4.E-23
P61247	LMELHGEHSSSGK	1334.69	1330.62	4.07	3047.69	5.E-23
P61247	LMELHGEHSSSGK	1334.67	1330.62	4.05	3032.37	5.E-23

Q9NX58	VRELLEQISAFDNVPRK	2013.11	2013.10	0.01	2.74	5.E-23
P04083	GVDEATIIDILTK	1386.76	1386.76	0.00	0.67	5.E-23
P61978	ALRTDYNASVSPDSSGPERILSISADIETIGEILK	3815.97	3815.98	-0.01	-2.33	5.E-23
P02545	AAYEAEELGDARK	1292.64	1292.64	0.00	0.27	5.E-23
P05783	GLQAQIASSGLTVEVDAPK	1883.01	1883.00	0.01	3.36	5.E-23
P02545	LALDMEIHAYRK	1458.77	1458.77	0.00	-1.23	6.E-23
Q9H307	(41)AVAVRTLQEQLK	1525.85	1525.85	0.00	1.37	6.E-23
Q9H307	(41)AVAVRTLQEQLK	1525.83	1525.85	-0.02	-14.36	6.E-23
P84103	VYVGNLGNNGNK	1251.63	1247.63	4.00	3193.11	6.E-23
P08729	LEAAIAEAEERGELALK	1811.97	1811.96	0.01	3.35	6.E-23
P61247	LMELHGEGLSSSGK	1334.69	1330.62	4.07	3047.76	6.E-23
P61247	LMELHGEGLSSSGK	1330.62	1330.62	0.00	-0.15	6.E-23
P34931	VEIANDQGNRTTPSYVAFTDTERLIGDAAK	3364.69	3364.69	0.00	0.64	6.E-23
P08729	LEAAIAEAEERGELALK	1807.87	1811.96	-4.09	-2263.07	7.E-23
Q7L014	IYLAIESANELAVQK	1660.90	1660.90	0.00	0.87	7.E-23

P62988	ESTLHLVLRIRGG	1449.84	1449.84	0.00	1.13	7.E-23
P07355	SLYYYIQQDTK	1420.69	1420.69	0.00	0.67	7.E-23
P32969	TILSNQTVDIPENVDTLK	2113.10	2112.13	0.97	459.52	8.E-23
P32969	TILSNQTVDIPENVDTLK	2112.13	2112.13	0.00	0.76	8.E-23
Q04695	VRALEEANTELEVK	1600.86	1599.85	1.01	629.75	8.E-23
P61247	LMELHGEGSSSGK	1330.62	1330.62	0.00	0.45	8.E-23
P11021	VTHAVVTVPAYFNDAQRQATK	2315.20	2315.20	0.00	0.52	9.E-23
P07355	SYSPYDMLESIRK	1587.85	1587.76	0.09	57.13	9.E-23
P07355	SYSPYDMLESIRK	1587.76	1587.76	0.00	2.28	9.E-23
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	-0.75	9.E-23
P06748	CGSGPVHISGQHLVAVEEDAE(37)SEDEEEEDVK	3442.41	3459.43	-17.02	-4945.15	1.E-22
Q15029	IAVEPVNPSELPK	1391.77	1391.77	0.00	1.37	1.E-22
P56182	LQDLAGGIFPEDEIPEK	1869.95	1869.94	0.01	2.91	1.E-22
P56182	LQDLAGGIFPEDEIPEK	1866.81	1869.94	-3.13	-1678.62	1.E-22
Q04695	VRALEEANTELEVK	1601.86	1599.85	2.01	1255.69	1.E-22

Q9NY12	VPYFNAPVYLENK	1552.79	1552.79	0.00	0.61	1.E-22
P84103	VYVGNLGNNGNK	1249.60	1247.63	1.97	1576.88	1.E-22
P84103	VYVGNLGNNGNK	1248.61	1247.63	0.98	788.53	1.E-22
P84103	VYVGNLGNNGNK	1248.60	1247.63	0.97	775.00	1.E-22
P84103	VYVGNLGNNGNK	1247.66	1247.63	0.03	22.09	1.E-22
P84103	VYVGNLGNNGNK	1247.63	1247.63	0.00	1.01	1.E-22
Q99848	PGLNVVLEGPCK	1245.78	1249.74	-3.96	-3177.11	1.E-22
P02545	RQNGDDPLLTYRFPPK	1916.97	1915.99	0.98	513.51	1.E-22
P07910	LKGDDLQAIKK	1227.67	1227.72	-0.05	-37.35	1.E-22
P26368	LFIGGLPNYLNDQVK	1807.87	1804.94	2.93	1623.06	1.E-22
P26368	LFIGGLPNYLNDQVK	1804.94	1804.94	0.00	2.37	1.E-22
P02545	AAYEAE LGDARK	1292.64	1292.64	0.00	0.82	1.E-22
P02545	AAYEAE LGDARK	1290.68	1292.64	-1.96	-1516.21	1.E-22
P08670	ILLAELEQLK	1168.71	1168.71	0.00	2.14	2.E-22
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	0.52	2.E-22

P18124	RIALTDNALIARSLGK	1711.01	1711.01	0.00	1.28	2.E-22
P02545	RQNGDDPLLTYRFPPK	1916.97	1915.99	0.98	513.72	2.E-22
P07910	LKGDDLQAIKK	1227.72	1227.72	0.00	0.53	2.E-22
P07355	SALSGHLETVILGLLK	1649.97	1649.97	0.00	0.87	2.E-22
P07355	SALSGHLETVILGLLK	1649.94	1649.97	-0.03	-17.13	2.E-22
P02545	RQNGDDPLLTYRFPPK	1916.97	1915.99	0.98	513.77	2.E-22
O60506	VTEGLTDVILYHQPDDK	1942.10	1941.97	0.13	65.94	2.E-22
P05787	LEAELGNMQGLVEDFK	1791.88	1791.87	0.01	3.09	2.E-22
Q07021	AFVDFLSDEIK	1283.65	1282.64	1.01	783.01	2.E-22
P20073	GFGTDEQAIVDVVANRSNDQRQK	2546.26	2546.25	0.01	2.83	2.E-22
P61313	YIQELWRK	1134.62	1134.62	0.00	1.53	2.E-22
P61313	YIQELWRK	1132.73	1134.62	-1.89	-1666.03	2.E-22
Q969G3	IAAEIAQAEEQARK	1526.85	1526.81	0.04	26.37	2.E-22
Q969G3	IAAEIAQAEEQARK	1526.81	1526.81	0.00	2.73	2.E-22
Q969G3	IAAEIAQAEEQARK	1526.76	1526.81	-0.05	-35.06	2.E-22

Q99848	PGLNVVLEGPCK	1249.74	1249.74	0.00	0.73	2.E-22
Q07021	VEEQPELTSTPNFVVEVIK	2286.17	2286.16	0.01	2.46	2.E-22
P02545	KEGDLIAAQARLK	1415.63	1411.81	3.82	2696.90	2.E-22
Q15393	LGAVFNQVAFPLQYTPRK	2048.12	2048.12	0.00	0.78	2.E-22
Q9H307	(41)AVAVRTLQEQLK	1525.85	1525.85	0.00	1.56	3.E-22
Q9H307	(41)AVAVRTLQEQLK	1525.82	1525.85	-0.03	-16.39	3.E-22
P02545	RTLEGELHDLRGQVAK	1825.07	1820.99	4.08	2235.29	3.E-22
P05783	IMADIRAQYDELARK	1791.93	1791.93	0.00	2.00	3.E-22
P39023	PVHLTAFGLGYK	1244.69	1244.69	0.00	2.80	3.E-22
P08670	ILLAELEQLK	1168.71	1168.71	0.00	1.80	3.E-22
Q96IZ7	ARLQLVLEAAAK	1281.78	1281.78	0.00	2.16	3.E-22
Q969G3	IAAEIAQAEQARK	1524.73	1526.81	-2.08	-1364.60	3.E-22
Q969G3	IAAEIAQAEQARK	1522.81	1526.81	-4.00	-2628.07	3.E-22
Q6P1J9	(41)ADVLSVLRQYNIQK	1687.93	1687.93	0.00	1.16	3.E-22
Q03252	DLESLFHRSEVELAAALSDK	2229.13	2229.13	0.00	-0.89	3.E-22

P08107	SENVQDLLLLDVAPLSLGLLETAGGVMTALIK	3179.73	3179.74	-0.01	-2.31	3.E-22
P07355	LSLEGDHSTPPSAYGSVK	1843.91	1843.90	0.01	3.38	3.E-22
Q14683	EQRGEPETFLPLDYLEVKPTDEK	2734.36	2732.35	2.01	735.04	3.E-22
P02545	KEGDLIAAQRALK	1411.81	1411.81	0.00	0.73	3.E-22
P02545	KEGDLIAAQRALK	1410.76	1411.81	-1.05	-744.54	3.E-22
P08758	GLGTDEESILTLTTSRSNAQRQEISAAFK	3134.62	3134.62	0.00	-0.52	3.E-22
P38159	LFIGGLNTETNEK	1437.75	1434.74	3.01	2095.27	3.E-22
P02545	RTLEGELHDLRGQVAK	1820.99	1820.99	0.00	0.46	4.E-22
P02545	RTLEGELHDLRGQVAK	1819.04	1820.99	-1.95	-1073.62	4.E-22
Q9H307	(41)AVAVRTLQEQLK	1525.85	1525.85	0.00	1.89	4.E-22
P41219	MALDIEIATYRK	1422.75	1422.75	0.00	1.50	4.E-22
Q13421	IQSFLGGAPTEDLK	1478.73	1474.77	3.96	2679.45	4.E-22
Q13421	IQSFLGGAPTEDLK	1474.77	1474.77	0.00	3.24	4.E-22
P05787	YEELQSLAGK	1140.70	1136.57	4.13	3619.76	4.E-22
P46777	GAVDGGLSIPHSTK	1337.69	1337.69	0.00	2.62	4.E-22

P02545	KEGDLIAAQRALK	1408.68	1411.81	-3.13	-2221.91	4.E-22
Q96DI7	IFQGNVHNFEK	1336.65	1331.66	4.99	3736.55	4.E-22
P46783	NRIAIYELLFK	1378.80	1378.80	0.00	0.48	5.E-22
Q02539	ALAAAGYDVEK	1107.55	1106.56	0.99	894.54	5.E-22
Q02539	ALAAAGYDVEK	1106.56	1106.56	0.00	-0.32	5.E-22
P08579	ELGSSTNALRQLQGPFYK	2212.13	2212.13	0.00	-0.06	5.E-22
Q04695	EPVTTRQVRTIVEEVQDGK	2183.16	2183.15	0.01	2.58	5.E-22
P11021	KVTHAVVTVPAYFNDAQRQATK	2443.30	2443.30	0.00	0.06	5.E-22
P02545	RQNGDDPLLTYRFPPK	1916.97	1915.99	0.98	513.56	5.E-22
P14384	GQVFDQNGNPLPNVIVEVQDRK	2467.25	2465.27	1.98	803.63	5.E-22
P20700	AEHDQLLLLNYAK	1417.70	1413.73	3.97	2799.19	5.E-22
P20700	AEHDQLLLLNYAK	1417.68	1413.73	3.95	2783.79	5.E-22
P20700	AEHDQLLLLNYAK	1413.73	1413.73	0.00	2.83	5.E-22
Q9Y224	NAEPLINLDVNNPDFK	1811.91	1811.91	0.00	1.08	6.E-22
O43390	VLVVRNLATTVTEEILEK	2074.17	2074.17	0.00	-1.04	6.E-22

P46783	NRIAIYELLFK	1379.78	1378.80	0.98	713.56	6.E-22
P61978	IILDLISESPIK	1339.80	1339.80	0.00	2.74	6.E-22
P38159	LFIGGLNTETNEK	1434.74	1434.74	0.00	2.07	6.E-22
P38159	LFIGGLNTETNEK	1434.72	1434.74	-0.02	-13.20	6.E-22
O95926	(41)AAIAASEVLVDSAEESLAAAAELAAQK	2697.37	2697.37	0.00	0.10	6.E-22
Q15029	IAVEPVNPSELPK	1388.65	1391.77	-3.12	-2248.09	6.E-22
P20700	AEHDQLLLNYAK	1415.71	1413.73	1.98	1399.93	6.E-22
P20700	AEHDQLLLNYAK	1413.73	1413.73	0.00	2.61	6.E-22
Q96DI7	IFQGNVHNF EK	1331.66	1331.66	0.00	0.29	6.E-22
Q96DI7	IFQGNVHNF EK	1331.64	1331.66	-0.02	-14.13	6.E-22
P16403	ERSGVSLAALK	1132.65	1129.65	3.00	2649.11	6.E-22
O75934	RYELPAPSSGQK	1331.68	1331.68	0.00	0.57	6.E-22
P02545	RQNGDDPLLTYRFPPK	1916.98	1915.99	0.99	514.08	6.E-22
P67809	GAEAAANTGPGGVPVQGSK	1694.86	1694.86	0.00	2.12	6.E-22
P26373	LILFPRKPSAPK	1362.76	1365.85	-3.09	-2264.74	6.E-22

P20700	AEHDQLLLNYAK	1417.70	1413.73	3.97	2799.40	6.E-22
P20700	AEHDQLLLNYAK	1417.68	1413.73	3.95	2783.58	6.E-22
P20700	AEHDQLLLNYAK	1413.73	1413.73	0.00	3.04	6.E-22
P05787	YEELQSLAGK	1136.57	1136.57	0.00	1.99	7.E-22
P16403	ERSGVSLAALK	1131.66	1129.65	2.01	1773.78	8.E-22
Q04695	VRALEEANTELEVK	1599.85	1599.85	0.00	2.33	8.E-22
P02545	RQNGDDPLLTYRFPPK	1916.97	1915.99	0.98	513.46	8.E-22
P67809	GAEAAVNTGPGGVPVQGSK	1694.83	1694.86	-0.03	-16.82	8.E-22
P26373	LILFPRKPSAPK	1367.77	1365.85	1.92	1403.67	8.E-22
P26373	LILFPRKPSAPK	1365.85	1365.85	0.00	0.44	8.E-22
P14384	GQVFDQNGNPLPNVIVEVQDRK	2465.28	2465.27	0.01	2.09	8.E-22
P09661	NAIANASTLAEVERLK	1698.93	1698.93	0.00	0.82	8.E-22
O43390	DYAFVHFEDRGA AVK	1731.87	1723.83	8.04	4640.90	8.E-22
Q8IWX8	LAQFVARNGPEFEK	1604.83	1604.83	0.00	1.09	8.E-22
Q8IWX8	LAQFVARNGPEFEK	1603.80	1604.83	-1.03	-644.75	8.E-22

P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	2.19	9.E-22
P62701	PWISLPRGK	1052.61	1052.61	0.00	1.45	9.E-22
P12270	(41)AAVLQQVLERTELNK	1752.97	1752.97	0.00	1.48	9.E-22
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	2.79	9.E-22
Q04695	EPVTTRQVRTIVEEVQDGK	2183.16	2183.15	0.01	3.08	9.E-22
Q07020	SQDIYLRLLVK	1346.79	1346.79	0.00	1.44	1.E-21
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	-0.17	1.E-21
P16403	ERSGVSLAALK	1129.64	1129.65	-0.01	-10.97	1.E-21
P16403	ERSGVSLAALK	1127.62	1129.65	-2.03	-1795.99	1.E-21
P16403	(51)SETAPAAPAAAPPAEK	1519.70	1519.75	-0.05	-31.73	1.E-21
P62701	VNDTIQIDLETGK	1444.74	1444.74	0.00	1.37	1.E-21
Q12906	LFPDTPLALDANK	1413.83	1413.75	0.08	56.98	1.E-21
Q12906	LFPDTPLALDANK	1413.75	1413.75	0.00	1.38	1.E-21
Q9NY12	VPYFNAPVYLENK	1552.79	1552.79	0.00	-0.16	1.E-21
Q9NY12	VPYFNAPVYLENK	1552.77	1552.79	-0.02	-15.75	1.E-21

P08729	LEAAIAEAEERGELALK	1807.87	1811.96	-4.09	-2262.51	1.E-21
Q9UMS4	TVPEELVKPEELSK	1593.77	1596.86	-3.09	-1940.63	1.E-21
P11021	DAGTIAGLNVMRIINEPTAAAIYGLDK	2860.55	2857.50	3.05	1065.21	1.E-21
P16403	ERSGVSLAALK	1131.66	1129.65	2.01	1774.05	1.E-21
P16403	(51)SETAPAAPAAAPPAEK	1519.78	1519.75	0.03	20.45	1.E-21
P16403	(51)SETAPAAPAAAPPAEK	1519.75	1519.75	0.00	-0.81	1.E-21
P16403	(51)SETAPAAPAAAPPAEK	1519.72	1519.75	-0.03	-17.39	1.E-21
Q14103	IFVGGLSPDTPEEK	1487.75	1487.75	0.00	2.46	1.E-21
Q14103	IFVGGLSPDTPEEK	1483.80	1487.75	-3.95	-2659.40	1.E-21
P02545	RTLEGELHDLRGQVAK	1825.07	1820.99	4.08	2235.56	1.E-21
P02545	RTLEGELHDLRGQVAK	1820.99	1820.99	0.00	0.02	1.E-21
P02545	RTLEGELHDLRGQVAK	1819.04	1820.99	-1.95	-1074.45	1.E-21
P02545	AGQVVTIWAAGAGATHSPPTDLVWK	2532.31	2532.31	0.00	0.02	1.E-21
P62906	KYDAFLASESLIK	1483.79	1483.79	0.00	-0.01	1.E-21
P46781	LIGEYGLRNK	1161.65	1161.65	0.00	0.79	1.E-21

P46781	LIGFYGLRNL	1161.64	1161.65	-0.01	-10.58	1.E-21
P08729	LEAAIAEAEERGELALK	1811.97	1811.96	0.01	3.68	1.E-21
P08729	LEAAIAEAEERGELALK	1811.80	1811.96	-0.16	-87.83	1.E-21
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	0.19	1.E-21
P16403	ASGPPVSELITK	1197.65	1197.66	-0.01	-12.25	1.E-21
Q07021	AFVDFLSDEIK	1283.65	1282.64	1.01	782.94	1.E-21
P09661	NAIANASTLAEVERLK	1698.93	1698.93	0.00	0.87	1.E-21
Q9UMS4	TVPEELVKPEELSK	1599.85	1596.86	2.99	1869.16	1.E-21
Q9UMS4	TVPEELVKPEELSK	1596.86	1596.86	0.00	3.00	1.E-21
Q9UHX1	FGAVNRVVIYQEK	1535.85	1535.85	0.00	3.00	1.E-21
P16403	ERSGVSLAALK	1132.65	1129.65	3.00	2649.29	1.E-21
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	0.09	2.E-21
P16403	ERSGVSLAALK	1129.64	1129.65	-0.01	-10.80	2.E-21
Q13435	RGIEKPPFELPDFIK	1784.98	1784.98	0.00	1.76	2.E-21
Q6P5A3	TLLSRIAENLPK	1353.80	1353.80	0.00	1.05	2.E-21

Q9NR30	GRGVTFLLFPIQAK	1427.86	1432.82	-4.96	-3474.60	2.E-21
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2837.37	2833.44	3.93	1384.93	2.E-21
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	1.36	2.E-21
O75934	RYELPAPSSGQK	1331.68	1331.68	0.00	-0.03	2.E-21
O75934	RYELPAPSSGQK	1331.66	1331.68	-0.02	-14.53	2.E-21
O75934	RYELPAPSSGQK	1330.63	1331.68	-1.05	-788.00	2.E-21
P09661	NAIANASTLAEVERLK	1698.93	1698.93	0.00	1.29	2.E-21
P15880	SPYQEFTDHLVK	1464.72	1462.71	2.01	1371.24	2.E-21
P02545	NIYSEELRETK	1376.69	1380.69	-4.00	-2909.09	2.E-21
A6NI71	(41)ATDTSQGELVHPK	1423.69	1423.69	0.00	1.10	2.E-21
P0C0S8	VTIAQGGVLPNIQAVLLPK	1930.16	1930.16	0.00	0.01	2.E-21
P0C0S8	VTIAQGGVLPNIQAVLLPK	1930.12	1930.16	-0.04	-19.94	2.E-21
O43390	VTEGLVDVILYHQPDDK	1942.10	1939.99	2.11	1085.19	2.E-21
P62987	IIEPSLRQLAQQ	1390.82	1394.82	-4.00	-2872.77	2.E-21
Q9NR30	GRGVTFLLFPIQAK	1432.82	1432.82	0.00	-1.21	2.E-21

P20073	GFGTDEQAIVDVVANRSNDQRQK	2549.18	2546.25	2.93	1148.60	2.E-21
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.45	2833.44	0.01	2.60	2.E-21
P02545	RTLEGELHDLRGQVAK	1820.99	1820.99	0.00	-0.09	2.E-21
P02545	RTLEGELHDLRGQVAK	1819.04	1820.99	-1.95	-1074.50	2.E-21
Q14683	VVQLHEYSEELEK	1604.83	1601.79	3.04	1893.05	2.E-21
Q14683	VVQLHEYSEELEK	1603.79	1601.79	2.00	1248.43	2.E-21
Q14683	VVQLHEYSEELEK	1603.77	1601.79	1.98	1231.93	2.E-21
Q14683	VVQLHEYSEELEK	1601.79	1601.79	0.00	0.83	2.E-21
P02545	NIYSEELRETK	1380.69	1380.69	0.00	0.37	2.E-21
P05388	LLPHIRGNVGFVFTK	1696.98	1696.98	0.00	0.26	2.E-21
Q71U36	VGINYQPPTVPPGGDLAK	1823.99	1823.98	0.01	2.85	3.E-21
Q71U36	VGINYQPPTVPPGGDLAK	1820.99	1823.98	-2.99	-1640.21	3.E-21
Q9UQE7	AELGTDLLSQLSLEDQK	1858.96	1858.95	0.01	2.93	3.E-21
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	0.09	3.E-21
P61247	LMELHGEHSSSGK	1334.69	1330.62	4.07	3047.76	3.E-21

Q3BDU5	LVRSVTVVEDDEDEDGDDLLHHHHVSGSRR	3422.62	3422.62	0.00	1.03	3.E-21
O75367	EFVEAVLELRK	1331.74	1331.74	0.00	0.40	3.E-21
P11142	SQIHDIVLVGGSTRIPK	1820.98	1819.03	1.95	1072.03	3.E-21
P11142	SQIHDIVLVGGSTRIPK	1820.44	1819.03	1.41	775.17	3.E-21
P11142	SQIHDIVLVGGSTRIPK	1819.03	1819.03	0.00	-0.19	3.E-21
Q9H307	(41)AVAVRTLQEQLK	1525.85	1525.85	0.00	-0.27	3.E-21
Q13421	LRTDAVLPLTVAEVQK	1758.80	1752.01	6.79	3858.14	3.E-21
Q13421	LRTDAVLPLTVAEVQK	1758.76	1752.01	6.75	3839.40	3.E-21
P07355	GDLENAFLNLVQCIQNK	1974.98	1974.98	0.00	1.17	3.E-21
O43159	FQPPQVPDQAPAEAPTEK	1948.96	1948.95	0.01	3.17	3.E-21
P08107	SENVQDLLLLDVAPLSLGLTAGGVM TALIK	3179.74	3179.74	0.00	-1.52	3.E-21
Q9Y310	NVTDVVNTCHDAGISK	1732.93	1728.81	4.12	2376.11	3.E-21
Q9Y310	NVTDVVNTCHDAGISK	1728.82	1728.81	0.01	2.90	3.E-21
P62987	IIEPSLRQLAQK	1394.82	1394.82	0.00	0.34	3.E-21
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	-0.81	4.E-21

Q9Y5B9	APGEQTVPALNLQNAFRIIK	2179.21	2179.21	0.00	1.29	4.E-21
P61978	IILDLISESPIK	1341.78	1339.80	1.98	1473.84	4.E-21
Q02539	ALAAAGYDVEK	1106.56	1106.56	0.00	-0.32	4.E-21
Q02539	ALAAAGYDVEK	1106.55	1106.56	-0.01	-11.71	4.E-21
Q02539	ALAAAGYDVEK	1105.59	1106.56	-0.97	-879.94	4.E-21
P61978	ALRTDYNASVSPDSSGPERILSISADIETIGEILK	3815.98	3815.98	0.00	-1.18	4.E-21
P34931	VEIANDQGNRTTPSYVAFTDTERLIGDAAK	3366.70	3364.69	2.01	597.69	4.E-21
P07355	SALSGHLETVILGLLK	1649.97	1649.97	0.00	0.99	4.E-21
P02545	RTLEGELHDLRGQVAK	1825.07	1820.99	4.08	2235.40	4.E-21
P02545	RTLEGELHDLRGQVAK	1820.99	1820.99	0.00	0.52	4.E-21
P02545	RTLEGELHDLRGQVAK	1819.04	1820.99	-1.95	-1073.84	4.E-21
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	1.75	4.E-21
Q9Y230	EYQDAFLFNELK	1515.72	1515.72	0.00	2.29	4.E-21
P02545	RQNGDDPLLTYRFPK	1916.98	1915.99	0.99	514.86	4.E-21
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	-0.34	4.E-21

P17676	VLELTAENERLQK	1542.82	1541.84	0.98	634.04	4.E-21
P17676	VLELTAENERLQK	1541.85	1541.84	0.01	3.31	4.E-21
P62906	KYDAFLASESLIK	1483.79	1483.79	0.00	0.93	5.E-21
P67809	GAEAANVTGPGGVPVQGSK	1694.86	1694.86	0.00	1.76	5.E-21
P67809	GAEAANVTGPGGVPVQGSK	1694.83	1694.86	-0.03	-16.35	5.E-21
P20073	GFGTDEQAIVDVVANRSNDQRQK	2546.26	2546.25	0.01	2.79	5.E-21
Q3BDU5	LDNARQSAERNSNLVGAAHEELQQSRIRIDSLSAQLSQLQK	4573.36	4573.37	-0.01	-2.09	5.E-21
Q16891	TSSAETPTIPLGSAVEAIK	1870.99	1870.99	0.00	0.73	5.E-21
Q8TDN6	TLLPHDPTADVFTPAEEK	2079.06	2079.05	0.01	2.60	5.E-21
Q09028	TPSSDVLVFDYTK	1474.88	1470.72	4.16	2821.91	5.E-21
P61247	LMELHGE GSSSGK	1330.72	1330.62	0.10	75.15	5.E-21
P61247	LMELHGE GSSSGK	1330.62	1330.62	0.00	0.08	5.E-21
P61978	IILDLISESPIK	1339.80	1339.80	0.00	0.65	5.E-21
P08670	FADLSEAANRNNDALRQAK	2103.09	2103.05	0.04	21.11	5.E-21
P08670	FADLSEAANRNNDALRQAK	2103.05	2103.05	0.00	1.14	5.E-21

P08670	FADLSEAAANRRNDALRQAK	2103.02	2103.05	-0.03	-13.50	5.E-21
P08670	FADLSEAAANRRNDALRQAK	2102.99	2103.05	-0.06	-26.63	5.E-21
Q99829	TLQLEYRFETVQK	1653.87	1653.87	0.00	2.54	5.E-21
P20700	VDLENRCQSLTEDLEFRK	2251.09	2251.09	0.00	0.99	5.E-21
Q8IVT2	GAPHSSPARGTPAGTTPGASQAPK	2200.11	2200.10	0.01	3.02	5.E-21
Q14978	ATGATQQDANASSLLDIYSFWLK	2499.24	2499.23	0.01	2.87	6.E-21
Q07021	AFVDFLSDEIK	1289.63	1282.64	6.99	5419.23	6.E-21
Q07021	AFVDFLSDEIK	1288.54	1282.64	5.90	4577.74	6.E-21
Q09161	DGVLEEQIERLQEK	1684.86	1684.86	0.00	-0.44	6.E-21
P61313	YIQELWRK	1138.71	1134.62	4.09	3592.08	6.E-21
P61313	YIQELWRK	1134.62	1134.62	0.00	1.62	6.E-21
P61981	TAFDDAIAELDTLNEDSYK	2129.96	2129.96	0.00	0.64	7.E-21
P45973	KREQSNDIARGFERGLEPEK	2358.20	2358.20	0.00	0.86	7.E-21
P05783	KGPQVRDWSHYFK	1646.83	1646.83	0.00	2.35	7.E-21
P05783	KGPQVRDWSHYFK	1646.81	1646.83	-0.02	-10.10	7.E-21

P26373	LATQLTGPVMPVRNVYK	1887.04	1886.04	1.00	532.49	7.E-21
Q12906	VADNLAIQLAAVTEDK	1669.71	1669.89	-0.18	-105.78	8.E-21
P23396	RFGFPEGSVELYAEK	1727.85	1727.85	0.00	1.31	8.E-21
Q13435	RAAVLLEQERQQEIAK	1881.05	1881.04	0.01	2.78	8.E-21
Q13523	LDDLALLEDEK	1385.73	1385.73	0.00	0.62	8.E-21
P62906	KYDAFLASESLIK	1485.82	1483.79	2.03	1364.42	8.E-21
P62906	KYDAFLASESLIK	1483.79	1483.79	0.00	-0.14	8.E-21
P05787	LSELEAALQRAK	1328.83	1327.75	1.08	811.44	8.E-21
P19338	TLVLSNLSYSATEETLQEVFEK	2500.26	2500.26	0.00	-1.81	9.E-21
Q09028	TPSSDVLVFDYTK	1470.72	1470.72	0.00	2.92	9.E-21
P07910	LKGDDLQAIKK	1227.72	1227.72	0.00	0.28	9.E-21
P18583	(41)ATNIEQIFRSFVSK	1779.95	1779.95	0.00	1.55	1.E-20
P62826	PFLWLARK	1029.61	1029.61	0.00	0.93	1.E-20
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	0.93	1.E-20
P20700	VDLENRCQSLTEDLEFRK	2251.09	2251.09	0.00	0.10	1.E-20

P09525	SETSGSFEDALLAIVK	1666.85	1665.85	1.00	602.70	1.E-20
Q12906	VADNLAIQLAAVTEDK	1669.89	1669.89	0.00	0.28	1.E-20
P07355	SYSPYDMLESIRK	1587.76	1587.76	0.00	2.15	1.E-20
P26599	LPIDVTEGEVISLGLPFGK	1983.09	1983.09	0.00	2.23	1.E-20
P63104	TAFDEAIAELDTLSEESYK	2130.98	2130.98	0.00	1.49	1.E-20
P26373	STESLQANVQRLK	1473.77	1472.79	0.98	664.83	1.E-20
P26373	STESLQANVQRLK	1472.79	1472.79	0.00	-0.81	1.E-20
P07355	SALSGHLETVILGLLK	1649.97	1649.97	0.00	0.26	1.E-20
Q04695	VRALEEANTELEVK	1599.85	1599.85	0.00	2.96	1.E-20
P05787	LSELEAALQRAK	1327.75	1327.75	0.00	1.03	1.E-20
P05787	LSELEAALQRAK	1324.78	1327.75	-2.97	-2241.46	1.E-20
P0C0S8	VTIAQGGVLPNIQAVLLPK	1930.16	1930.16	0.00	0.01	1.E-20
P0C0S8	VTIAQGGVLPNIQAVLLPK	1930.12	1930.16	-0.04	-19.94	1.E-20
P26373	STESLQANVQRLK	1477.76	1472.79	4.97	3361.50	1.E-20
P09661	NAIANASTLAEVERLK	1698.93	1698.93	0.00	0.40	1.E-20

Q9Y224	NAEPLINLDVNNPDFK	1811.91	1811.91	0.00	1.13	1.E-20
A6NDV6	VRALEEADTELEVK	1600.84	1600.83	0.01	3.20	2.E-20
P46783	NRIAIYELLFK	1378.80	1378.80	0.00	0.84	2.E-20
P46783	NRIAIYELLFK	1378.78	1378.80	-0.02	-13.60	2.E-20
P11142	NSLESYAFNMK	1304.72	1302.59	2.13	1631.36	2.E-20
Q12905	LDPELHLDIK	1191.65	1191.65	0.00	2.43	2.E-20
Q12905	LDPELHLDIK	1188.61	1191.65	-3.04	-2557.02	2.E-20
P61247	LMELHGEGSSSGK	1334.69	1330.62	4.07	3047.69	2.E-20
O60506	VLFVRNLANTVTEEILEK	2087.16	2087.16	0.00	-0.77	2.E-20
Q9Y5S9	GYTLVEYETYK	1364.65	1364.65	0.00	1.04	2.E-20
O00148	LTLHGLQQYYVK	1461.80	1461.80	0.00	2.54	2.E-20
O00148	LTLHGLQQYYVK	1459.80	1461.80	-2.00	-1371.76	2.E-20
Q99848	PGLNVVLEGPKK	1249.74	1249.74	0.00	0.81	2.E-20
P62906	KYDAFLASESLIK	1483.79	1483.79	0.00	-0.08	2.E-20
P62906	KYDAFLASESLIK	1483.77	1483.79	-0.02	-14.97	2.E-20

O95453	DIINNTSLAELEK	1458.76	1458.76	0.00	0.57	2.E-20
O95453	DIINNTSLAELEK	1457.86	1458.76	-0.90	-616.91	2.E-20
P09661	TFNPGAGLPTDK	1216.61	1216.61	0.00	0.51	2.E-20
P09661	TFNPGAGLPTDK	1216.60	1216.61	-0.01	-11.57	2.E-20
P49736	NFLRTHVDSHGHNVFK	1906.96	1906.96	0.00	1.55	2.E-20
O60506	YGGPPPDSVYSGQQPSVGTEIFVGK	2565.24	2565.24	0.00	-1.09	2.E-20
P08107	AQIHDLVLVGGSTRIPK	1803.04	1803.04	0.00	0.10	2.E-20
P25205	(41)AGTVVLDDVELREAQRDYLDLDDDEEDQGIYQSK	3985.87	3985.87	0.00	-0.77	2.E-20
Q8TDN6	FLVQNIHTLAELK	1524.87	1524.87	0.00	2.17	2.E-20
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	2.29	2.E-20
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	0.03	2.E-20
P61247	LMELHGEGLSSSGK	1330.62	1330.62	0.00	0.53	2.E-20
O00148	LTLHGLQYYVK	1463.82	1461.80	2.02	1382.15	2.E-20
P62917	LARASGNATVISHNPETK	2028.04	2028.04	0.00	0.28	2.E-20
P17676	KPAEYGYVSLGRLGAAK	1778.97	1778.97	0.00	2.15	2.E-20

P62906	QIPRILGPGLNK	1308.75	1304.79	3.96	3023.55	2.E-20
P62906	QIPRILGPGLNK	1308.73	1304.79	3.94	3009.54	2.E-20
P11142	NSLESYAFNMK	1303.59	1302.59	1.00	770.92	2.E-20
O95816	HATRIIDEVVNK	1393.77	1393.77	0.00	0.41	2.E-20
O95816	HATRIIDEVVNK	1393.75	1393.77	-0.02	-13.66	2.E-20
Q9NR30	EGAFSNFPSEETIK	1669.81	1667.80	2.01	1203.53	2.E-20
P13010	SQLDIIIHSLK	1265.73	1265.73	0.00	-0.64	2.E-20
P13010	SQLDIIIHSLK	1265.71	1265.73	-0.02	-12.81	2.E-20
O95453	DIINNTSLAELEK	1462.82	1458.76	4.06	2772.22	2.E-20
O95453	DIINNTSLAELEK	1460.74	1458.76	1.98	1357.90	2.E-20
Q13185	KVEEAPEEFVVEK	1660.82	1660.82	0.00	1.12	2.E-20
Q04695	VRALEEANTELEVK	1599.85	1599.85	0.00	2.40	2.E-20
Q12905	PAPDETSFSEALLK	1507.78	1503.75	4.03	2672.51	3.E-20
Q12905	PAPDETSFSEALLK	1503.75	1503.75	0.00	2.76	3.E-20
Q12905	PAPDETSFSEALLK	1500.71	1503.75	-3.04	-2026.22	3.E-20

P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	1.38	3.E-20
O60506	EFNEDGALAVLQQFK	1707.85	1707.85	0.00	0.49	3.E-20
P62906	QIPRILGPGLNK	1309.78	1304.79	4.99	3809.32	3.E-20
P07355	LSLEGDHSTPPSAYGSVK	1843.91	1843.90	0.01	3.16	3.E-20
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2838.37	2833.44	4.93	1738.20	3.E-20
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	1.40	3.E-20
P02545	NIYSEELRETK	1380.69	1380.69	0.00	2.32	3.E-20
Q8IVT2	VNRIPPDAYQPYLSPGTPQLEFSAFGAFGK	3266.64	3266.64	0.00	-1.50	3.E-20
P39023	PVHLTAFLGYK	1246.70	1244.69	2.01	1613.36	4.E-20
P19388	IIRPSETAGRYITYRLVQ	2135.19	2135.19	0.00	1.08	4.E-20
P62906	QIPRILGPGLNK	1304.79	1304.79	0.00	0.06	4.E-20
P62906	QIPRILGPGLNK	1304.77	1304.79	-0.02	-14.20	4.E-20
P07355	GLGTDEDSLIEIICSRTNQELQEINRVYK	3406.70	3392.69	14.01	4113.90	4.E-20
O43395	PFLDDSTLRFVDK	1551.79	1551.79	0.00	0.53	4.E-20
O75367	EFVEAVLELRK	1331.82	1331.74	0.08	62.42	4.E-20

O75367	EFVEAVLELRK	1331.74	1331.74	0.00	-0.20	4.E-20
O75367	EFVEAVLELRK	1331.72	1331.74	-0.02	-13.87	4.E-20
P39023	PVHLTAFLGYK	1244.69	1244.69	0.00	2.88	4.E-20
Q04695	VRALEEANTELEVK	1599.85	1599.85	0.00	2.52	4.E-20
P63220	QNDAGEFVDLYVPRK	1938.92	1749.87	189.05	97502.30	4.E-20
P16403	ERSGVSLAALK	1131.66	1129.65	2.01	1773.87	4.E-20
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	0.80	4.E-20
P02545	RQNGDDPLLTYRFPPK	1916.97	1915.99	0.98	513.35	4.E-20
Q04695	VRALEEANTELEVK	1600.86	1599.85	1.01	629.81	4.E-20
P19338	GFGFVDFNSEEDAK	1560.67	1560.67	0.00	0.50	4.E-20
P49736	IFASIAPSIYGHEDIK	1762.93	1759.91	3.02	1711.61	5.E-20
P49736	IFASIAPSIYGHEDIK	1759.92	1759.91	0.01	3.90	5.E-20
P20700	AEHDQLLLLNYAK	1415.71	1413.73	1.98	1400.85	5.E-20
P20700	AEHDQLLLLNYAK	1413.73	1413.73	0.00	2.97	5.E-20
Q9Y310	(51)SRSYNDELQFLEK	1669.80	1669.79	0.01	3.24	6.E-20

P60709	ILTERGYSFTTTAEREIVRDIK	2597.38	2597.38	0.00	0.51	6.E-20
P60709	ILTERGYSFTTTAEREIVRDIK	2597.35	2597.38	-0.03	-11.73	6.E-20
P62987	IIEPSLRQLAQK	1394.82	1394.82	0.00	0.56	6.E-20
Q04695	VRALEEANTELEVK	1599.86	1599.85	0.01	3.21	6.E-20
P02545	AGQVVTIWAAGAGATHSPPTDLVWK	2532.31	2532.31	0.00	0.57	6.E-20
P08758	VLTEIIASRTPEELRAIK	2041.19	2038.18	3.01	1475.61	6.E-20
Q08211	VNLSQDLEHQLQNIQELNLEILPPPEDPSVPVALNIGK	4326.32	4326.31	0.01	2.83	6.E-20
Q08211	VNLSQDLEHQLQNIQELNLEILPPPEDPSVPVALNIGK	4326.19	4326.31	-0.12	-27.95	6.E-20
P11940	ALYDTFSAFGNILSCK	1805.87	1805.87	0.00	-1.16	6.E-20
Q12905	ILPTLEAVAALGNK	1408.83	1408.83	0.00	2.25	6.E-20
Q12905	ILPTLEAVAALGNK	1408.81	1408.83	-0.02	-13.22	6.E-20
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	0.00	6.E-20
P16403	ERSGVSLAALK	1129.64	1129.65	-0.01	-10.62	6.E-20
Q9NR30	EGAFSNFPISEETIK	1667.80	1667.80	0.00	0.82	6.E-20
P04083	DITSDTSGDFRNALLSLAK	2023.03	2023.02	0.01	3.48	6.E-20

O00148	LTLHGLQQYYVK	1463.82	1461.80	2.02	1382.15	7.E-20
O00148	LTLHGLQQYYVK	1461.80	1461.80	0.00	2.54	7.E-20
Q53HU8	VELQELNDRFANYIDK	1966.99	1965.98	1.01	513.13	7.E-20
O60812	KSDVEAIFSK	1127.56	1122.59	4.97	4410.33	7.E-20
P84103	VYVGNLGNNGNK	1250.62	1247.63	2.99	2392.55	7.E-20
Q9UMS4	VAHPIRPKPPSATSIPAILK	2092.26	2092.25	0.01	2.66	7.E-20
Q09028	TVALWDLRNLK	1327.76	1327.76	0.00	2.34	7.E-20
P11021	TFAPEEISAMVLTK	1535.79	1535.79	0.00	-0.13	8.E-20
Q08945	SDHPGISITDLSK	1368.69	1368.69	0.00	0.45	8.E-20
Q08945	SDHPGISITDLSK	1368.64	1368.69	-0.05	-34.91	8.E-20
O60506	YGGPPDSVYSGQQPSVGTEIFVGK	2565.24	2565.24	0.00	-0.46	8.E-20
Q13151	RGFGFVYFQNHDAADK	1881.00	1870.88	10.12	5380.79	8.E-20
Q9Y3T9	ERLEDLNFPEIK	1505.78	1501.78	4.00	2655.29	8.E-20
Q9Y3T9	ERLEDLNFPEIK	1501.78	1501.78	0.00	-0.08	8.E-20
P19338	FGYVDFESAEDLEK	1647.73	1647.73	0.00	1.40	8.E-20

Q04695	KEPVTTRQVRTIVEEVQDGK	2311.26	2311.25	0.01	2.49	9.E-20
P56537	LNEAQPSTIATSMRDSLIDSLT	2362.17	2362.17	0.00	-0.29	9.E-20
Q09028	TVALWDLRNLK	1331.75	1327.76	3.99	2993.89	9.E-20
P05787	LEAELGNMQGLVEDFK	1791.88	1791.87	0.01	3.48	1.E-19
Q04695	VRALEEANTELEVK	1595.86	1599.85	-3.99	-2499.76	1.E-19
Q00059	IYQDAYRAEWQVYK	1831.89	1831.89	0.00	0.97	1.E-19
Q12906	PAVVAPAPVVEAVSTPSAAFPSDATAEQGPILTK	3287.73	3287.73	0.00	0.38	1.E-19
P08670	VESLQEEIAFLK	1404.75	1404.75	0.00	1.91	1.E-19
Q9NWB6	QLLEELERQRQAELAAQK	2152.16	2152.16	0.00	-1.35	1.E-19
A6NI71	(41)ATDTSQGELVHPK	1423.69	1423.69	0.00	3.49	1.E-19
A6NI71	(41)ATDTSQGELVHPK	1423.69	1423.69	0.00	1.10	1.E-19
Q08945	SDHPGISITDLSK	1366.67	1368.69	-2.02	-1481.48	1.E-19
A6NI71	(41)ATDTSQGELVHPK	1423.69	1423.69	0.00	0.96	1.E-19
O60812	LKGDDLQAIK	1099.62	1099.62	0.00	0.10	1.E-19
P19338	TLVLSNLSYSATEETLQEVFEK	2500.26	2500.26	0.00	-1.13	1.E-19

P62701	TGENFRLIYDTK	1457.75	1455.74	2.01	1375.98	1.E-19
P62701	TGENFRLIYDTK	1455.74	1455.74	0.00	0.36	1.E-19
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.45	2833.44	0.01	1.89	1.E-19
P84103	VYVGNLGNNGNK	1249.60	1247.63	1.97	1577.36	1.E-19
P84103	VYVGNLGNNGNK	1249.60	1247.63	1.97	1577.36	1.E-19
P84103	VYVGNLGNNGNK	1248.61	1247.63	0.98	788.45	1.E-19
P84103	VYVGNLGNNGNK	1247.66	1247.63	0.03	22.25	1.E-19
P84103	VYVGNLGNNGNK	1247.63	1247.63	0.00	0.93	1.E-19
Q9Y265	TALALIAQELGSK	1384.79	1384.79	0.00	2.49	1.E-19
P62136	YQQFSLNPGGRPITPPRNSAK	2313.20	2313.20	0.00	0.14	1.E-19
P60709	IWHHTFYNELRVAPEEHPVLLTEAPLNPK	3506.82	3449.79	57.03	16262.90	2.E-19
Q99729	MFVGGLSWDTSK	1333.80	1326.63	7.17	5375.77	2.E-19
P35908	VRFLEQQNQVLQTK	1733.82	1729.95	3.87	2234.54	2.E-19
A6NI71	(41)ATDTSQGELVHPK	1423.69	1423.69	0.00	1.03	2.E-19
Q9H307	(41)AVAVRTLQEQLK	1525.85	1525.85	0.00	2.28	2.E-19

P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2857.66	2833.44	24.22	8474.46	2.E-19
P27635	RLIPDGCGVK	1115.60	1113.60	2.00	1789.60	2.E-19
P27635	RLIPDGCGVK	1115.51	1113.60	1.91	1713.36	2.E-19
P27635	RLIPDGCGVK	1114.59	1113.60	0.99	889.53	2.E-19
P27635	RLIPDGCGVK	1113.60	1113.60	0.00	0.86	2.E-19
P27635	RLIPDGCGVK	1111.59	1113.60	-2.01	-1812.14	2.E-19
P11021	TFAPEEISAMVLTK	1535.79	1535.79	0.00	-0.07	2.E-19
Q02539	SLVSKGTLVQTK	1264.72	1259.74	4.98	3937.55	2.E-19
Q02539	SLVSKGTLVQTK	1259.74	1259.74	0.00	0.33	2.E-19
P11142	SQIHDIVLVGGSTRIPK	1820.98	1819.03	1.95	1072.47	2.E-19
P11142	SQIHDIVLVGGSTRIPK	1819.03	1819.03	0.00	-0.90	2.E-19
O60812	KSDVEAIFSK	1122.59	1122.59	0.00	-0.24	2.E-19
P07355	GRRAEDGSVIDYELIDQDARDLYDAGVK	3138.53	3138.52	0.01	2.10	2.E-19
P62851	IRGSLARAALQELLSK	1725.03	1725.03	0.00	1.30	2.E-19
P62851	IRGSLARAALQELLSK	1725.01	1725.03	-0.02	-11.23	2.E-19

Q07021	VEEQPELTSTPNFVVEVIK	2286.17	2286.16	0.01	2.42	2.E-19
P08729	LEAAIAEAEERGELALK	1811.97	1811.96	0.01	3.18	2.E-19
Q9Y265	TALALIAQELGSK	1384.79	1384.79	0.00	2.86	2.E-19
P46781	QVVNIPSFIVRLDSQK	1842.04	1842.04	0.00	0.32	2.E-19
O43390	LCDSYEIRPGK	1336.64	1336.64	0.00	0.51	2.E-19
Q9Y265	TALALIAQELGSK	1384.79	1384.79	0.00	1.85	2.E-19
Q9NY12	VDEIFGQLRDFYFSVK	1961.99	1961.99	0.00	0.37	2.E-19
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	1.65	2.E-19
O15514	ALIPSLEGRFEDEELQQILDDIQT	2899.49	2899.48	0.01	2.44	2.E-19
P09651	RSRGFGFVYATVEEVDAAMNARPHK	2908.44	2908.44	0.00	0.55	2.E-19
P56182	LQDLAGGIFPEDEIPEK	1869.95	1869.94	0.01	2.97	2.E-19
O75340	AGVNFSEFTGVWK	1441.78	1440.70	1.08	748.22	2.E-19
O75340	AGVNFSEFTGVWK	1441.76	1440.70	1.06	732.55	2.E-19
Q9UQE7	AELGTDLLSQLSLEDQK	1858.95	1858.95	0.00	1.80	2.E-19
P20700	VDLENRCQSLTEDLEFRK	2251.09	2251.09	0.00	0.77	2.E-19

P07355	SLYYYIQDTK	1420.69	1420.69	0.00	0.39	2.E-19
P08670	FADLSEAAANRNDALRQAK	2104.04	2103.05	0.99	470.81	2.E-19
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	-0.09	2.E-19
P23396	RFGFPEGSVELYAEK	1727.85	1727.85	0.00	1.77	2.E-19
P08729	LEAAIAEAEERGELALK	1807.87	1811.96	-4.09	-2262.79	2.E-19
Q9UQE7	NDVMNLLESAGFSRSPYYIVK	2532.24	2516.24	16.00	6317.92	3.E-19
P35908	VRFLEQQNQVLQTK	1729.95	1729.95	0.00	1.10	3.E-19
Q92841	VLEEANQAINPK	1325.70	1324.70	1.00	757.67	3.E-19
P11021	ERIDTRNELESYAYSLK	2086.03	2086.03	0.00	0.35	3.E-19
P23396	KPLPDHVSIVEPK	1457.82	1457.82	0.00	0.70	3.E-19
P62701	GRFAVHRITPEEAK	1609.87	1609.87	0.00	1.03	3.E-19
Q00839	PYFPIPEEYTFIQNVPLEDRVRGPK	3003.56	3003.55	0.01	1.97	3.E-19
P06703	(49)MACPLDQAIGLLVAIFHK	1921.05	2038.07	-117.02	-60913.80	3.E-19
P62988	ESTLHLVLRRLGG	1449.84	1449.84	0.00	0.37	3.E-19
P50995	TPVLFDIYEIK	1336.73	1336.73	0.00	2.52	3.E-19

Q9UKV3	VPEESVLPLVQK	1336.81	1336.76	0.05	37.11	3.E-19
Q9UKV3	VPEESVLPLVQK	1336.76	1336.76	0.00	1.51	3.E-19
P08621	TLFVARVNYDTTESK	1747.82	1742.88	4.94	2827.63	3.E-19
Q96QV6	LLGGVTIAQGGVLPNIQAVLLPK	2270.37	2270.37	0.00	2.06	3.E-19
O75340	AGVNFSEFTGVWK	1440.70	1440.70	0.00	0.74	3.E-19
P09651	IEVIEIMDRGSGK	1546.80	1546.80	0.00	1.96	3.E-19
Q12905	ILPTLEAVAALGNK	1408.83	1408.83	0.00	-0.23	3.E-19
P07910	MESEGGADD(37)SAEEGDLLDDDDNEDRGDDQLELIK	3805.48	3789.48	16.00	4203.39	3.E-19
P02545	RQNGDDPLLTYRFPPK	1916.98	1915.99	0.99	514.14	4.E-19
P02545	AAYEAEELGDARK	1292.64	1292.64	0.00	0.43	4.E-19
P26447	ELLTRELPSFLGK	1503.83	1501.85	1.98	1318.83	4.E-19
P22626	RGFGFVTFDDHDPVDK	1853.86	1850.86	3.00	1620.77	4.E-19
P22626	RGFGFVTFDDHDPVDK	1850.86	1850.86	0.00	-1.09	4.E-19
P13010	TDTLEDLFPTTK	1382.68	1379.68	3.00	2170.56	4.E-19
P13010	TDTLEDLFPTTK	1379.68	1379.68	0.00	0.87	4.E-19

P26599	NNQFQALLQYADPVSAQHAK	2242.11	2242.11	0.00	1.76	4.E-19
Q9Y310	(51)SRSYNDELQFLEK	1669.80	1669.79	0.01	3.12	4.E-19
P62277	GLAPDLPEDLYHLIK	1692.91	1692.91	0.00	0.69	4.E-19
P62277	GLAPDLPEDLYHLIK	1692.88	1692.91	-0.03	-17.09	4.E-19
P26447	ELLTRELPSFLGK	1501.85	1501.85	0.00	-0.66	4.E-19
P26447	ELLTRELPSFLGK	1501.83	1501.85	-0.02	-15.71	4.E-19
P35908	VRFLEQQNQVLQTK	1733.82	1729.95	3.87	2234.20	5.E-19
Q9NWB6	LAEEQLRIVEEQRK	1743.90	1739.95	3.95	2264.25	5.E-19
Q14683	TRLGQLDFEK	1321.74	1318.72	3.02	2288.12	5.E-19
P08621	TLFVARVNYDTTESK	1742.88	1742.88	0.00	0.35	5.E-19
P09651	IEVIEIMDRGSGK	1541.84	1546.80	-4.96	-3214.44	5.E-19
P16403	ERSGVSLAALK	1132.65	1129.65	3.00	2649.11	5.E-19
P16403	ERSGVSLAALK	1131.66	1129.65	2.01	1774.05	5.E-19
P62851	IRGSLARAALQELLSK	1725.03	1725.03	0.00	1.47	5.E-19
P62851	IRGSLARAALQELLSK	1725.01	1725.03	-0.02	-11.40	5.E-19

P43243	ITPENLPQILLQLK	1618.97	1618.97	0.00	0.95	5.E-19
P62906	KYDAFLASESLIK	1487.90	1483.79	4.11	2762.80	5.E-19
P62906	KYDAFLASESLIK	1483.79	1483.79	0.00	1.00	5.E-19
P08729	LEAAIAEAEERGELALK	1811.96	1811.96	0.00	2.63	5.E-19
P07355	DIISDTSGDFRK	1356.68	1352.66	4.02	2960.56	6.E-19
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	0.86	6.E-19
Q14683	TRLGIQLDFEK	1318.72	1318.72	0.00	2.07	6.E-19
Q14683	TRLGIQLDFEK	1316.64	1318.72	-2.08	-1578.39	6.E-19
Q13813	QETFDAGLQAFQQEGIANITALK	2492.25	2492.25	0.00	1.86	6.E-19
P19338	VEGTEPTTAFNLFVGNLNFNK	2311.15	2311.15	0.00	-0.01	6.E-19
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	0.00	6.E-19
P16403	ERSGVSLAALK	1129.64	1129.65	-0.01	-11.50	6.E-19
Q08211	AIEPPPLDAVIEAEHTLRELDALDANDELTPGLRILAK	4118.23	4118.19	0.04	8.66	6.E-19
O75526	SRGFVTFESPADAK	1728.85	1728.85	0.00	2.66	7.E-19
P13010	TDTLEDLFPTTK	1382.82	1379.68	3.14	2272.52	7.E-19

P13010	TDTLEDLFPTTK	1377.81	1379.68	-1.87	-1360.64	7.E-19
P07355	DIISDTSGDFRK	1353.64	1352.66	0.98	727.60	7.E-19
P07355	DIISDTSGDFRK	1352.78	1352.66	0.12	89.97	7.E-19
P07355	DIISDTSGDFRK	1352.66	1352.66	0.00	0.90	7.E-19
P23396	RFGFPEGSVELYAEK	1729.86	1727.85	2.01	1161.80	7.E-19
Q96DI7	TVAVWDSETGERVK	1575.79	1575.79	0.00	-0.03	7.E-19
Q9NWB6	LAEEQLRIVEEQRK	1739.95	1739.95	0.00	0.42	7.E-19
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	2.60	8.E-19
Q562L5	(48)KIWHHTFYNELRVAPEEHPVLLTEAPLNPK	3506.82	3619.89	-113.07	-32244.10	8.E-19
O60506	EFNEDGALAVLQQFK	1707.85	1707.85	0.00	0.31	8.E-19
P67809	GAEAAANVTGPGGVPVQGSK	1694.86	1694.86	0.00	2.06	8.E-19
P67809	GAEAAANVTGPGGVPVQGSK	1694.83	1694.86	-0.03	-17.41	8.E-19
Q07020	SQDIYLRLLVK	1346.79	1346.79	0.00	1.59	8.E-19
P16403	ASGPPVSELITK	1192.67	1197.66	-4.99	-4184.71	8.E-19
O75400	LAFNSLLEK	1033.58	1033.58	0.00	1.19	9.E-19

O75400	LAFNSLLEK	1033.57	1033.58	-0.01	-10.23	9.E-19
P07910	MESEGGADD(37)SAEEGDLLDDDDNEDRGDDQLELIK	3805.48	3789.48	16.00	4203.57	9.E-19
P07910	MESEGGADD(37)SAEEGDLLDDDDNEDRGDDQLELIK	3805.37	3789.48	15.89	4175.62	9.E-19
P09651	IEVIEIMTRGSGK	1548.81	1546.80	2.01	1297.21	9.E-19
Q14683	TRLGIQLDFEK	1321.74	1318.72	3.02	2288.20	9.E-19
Q9BXY0	ALIAAQLDNAIEK	1369.80	1368.76	1.04	762.34	9.E-19
Q9BXY0	ALIAAQLDNAIEK	1368.76	1368.76	0.00	2.96	9.E-19
Q9BXY0	ALIAAQLDNAIEK	1367.71	1368.76	-1.05	-770.37	9.E-19
Q04695	VRALEEANTELEVK	1599.86	1599.85	0.01	3.15	9.E-19
P35908	VRFLEQQNQVLQTK	1730.96	1729.95	1.01	580.72	9.E-19
P02545	NIYSEELRETK	1380.69	1380.69	0.00	0.66	9.E-19
P02545	NIYSEELRETK	1376.69	1380.69	-4.00	-2909.02	9.E-19
P04083	DITSDTSGDFRNALLSLAK	2023.03	2023.02	0.01	3.38	1.E-18
Q96FV9	RTAPEDFLGK	1132.59	1132.59	0.00	0.93	1.E-18
P05388	IIQLDDYPK	1216.67	1216.67	0.00	1.55	1.E-18

P38919	(41)ATTATMATSGSARK	1394.68	1394.68	0.00	2.72	1.E-18
P50995	TPVLFDIYEIK	1339.80	1336.73	3.07	2292.19	1.E-18
P50995	TPVLFDIYEIK	1336.73	1336.73	0.00	2.08	1.E-18
Q17R45	ALVRLALEAEK	1211.72	1211.72	0.00	0.80	1.E-18
P04792	LATQSNEITIPVTFESRAQLGGPEAAK	2837.36	2827.47	9.89	3486.53	1.E-18
Q9NPA8	GLEHVTVDLVAEITPK	1834.97	1834.97	0.00	0.87	1.E-18
Q15029	TATITEPRGNEEAQIFRPLK	2270.20	2270.20	0.00	1.83	1.E-18
Q02539	SLVSKGTLVQTK	1264.72	1259.74	4.98	3937.55	1.E-18
Q02539	SLVSKGTLVQTK	1264.62	1259.74	4.88	3859.57	1.E-18
P23396	KPLPDHVSIVEPKDEILPTTPISEQK	2909.57	2909.57	0.00	-0.83	1.E-18
Q14683	TRLGIQLDFEK	1318.72	1318.72	0.00	1.38	1.E-18
Q08211	YPSPFFVFGEK	1316.64	1316.64	0.00	1.37	1.E-18
Q8IXQ4	(41)ARDLIGPALPPGFK	1493.85	1492.84	1.01	673.98	1.E-18
Q02539	ALAAAGYDVEK	1106.56	1106.56	0.00	-0.14	1.E-18
Q02539	ALAAAGYDVEK	1106.55	1106.56	-0.01	-11.17	1.E-18

O60506	ALLERTGYTLDVTTGQRK	2025.07	2021.09	3.98	1967.72	1.E-18
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	0.83	1.E-18
P60903	EFPGFLENQK	1207.59	1207.59	0.00	-0.43	1.E-18
P60903	EFPGFLENQK	1207.57	1207.59	-0.02	-12.68	1.E-18
P60903	EFPGFLENQK	1207.56	1207.59	-0.03	-21.46	1.E-18
A6NI71	ALPLIVGAQLIHADK	1557.92	1557.92	0.00	-1.49	1.E-18
A6NI71	ALPLIVGAQLIHADK	1557.89	1557.92	-0.03	-17.40	1.E-18
P07910	MESEGGADD(37)SAEEGDLLDDDDNEDRGDDQLELIK	3789.47	3789.48	-0.01	-1.53	1.E-18
P62987	IIEPSLRQLAQK	1390.82	1394.82	-4.00	-2872.55	1.E-18
P07910	LKGDDLQAIKK	1227.72	1227.72	0.00	-0.04	1.E-18
O75400	ELEDLEGYQNTIVAGSLITK	2192.13	2192.12	0.01	3.05	1.E-18
P26447	ELLTRELPSFLGK	1529.85	1501.85	28.00	18299.40	1.E-18
P62988	MQIFVKTLTGKTITLEVEPSDTIENVK	3049.63	3033.63	16.00	5245.02	2.E-18
P62701	VNDTIQIDLETGK	1455.74	1444.74	11.00	7554.30	2.E-18
P62701	VNDTIQIDLETGK	1450.75	1444.74	6.01	4142.47	2.E-18

P05388	AIRGHLENNPALEK	1560.84	1560.84	0.00	1.02	2.E-18
O75400	LAFNSLLEK	1030.61	1033.58	-2.97	-2878.06	2.E-18
O75400	LAFNSLLEK	1030.60	1033.58	-2.98	-2889.45	2.E-18
P50995	TPVLFDIYEIK	1340.78	1336.73	4.05	3017.12	2.E-18
O43660	QYPANQQQEVEYFVAGTHPYPPGPGVALTADTK	3501.70	3501.68	0.02	5.53	2.E-18
P60903	EFPGFLENQK	1207.59	1207.59	0.00	-0.43	2.E-18
P60903	EFPGFLENQK	1207.57	1207.59	-0.02	-12.85	2.E-18
P60903	EFPGFLENQK	1207.55	1207.59	-0.04	-29.41	2.E-18
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	2.47	2.E-18
P22626	IDTIEIITDRQSGK	1587.77	1587.85	-0.08	-51.19	2.E-18
P62826	PFLWLARK	1029.61	1029.61	0.00	1.02	2.E-18
Q86V81	LLVSNLDFGVSDADIQELFAEFGTLK	2840.45	2840.45	0.00	-1.14	2.E-18
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	2.09	2.E-18
P22626	IDTIEIITDRQSGK	1587.77	1587.85	-0.08	-51.38	2.E-18
A6NIM7	TIAECLAEELINAAK	1648.99	1644.84	4.15	2516.61	2.E-18

A6NIM7	TIAECLAEELINAAK	1648.96	1644.84	4.12	2497.61	2.E-18
P05388	LLPHIRGNVGFVFTK	1696.98	1696.98	0.00	1.68	2.E-18
P05388	LLPHIRGNVGFVFTK	1696.85	1696.98	-0.13	-76.76	2.E-18
O75526	SRGFVTFESPADAK	1728.85	1728.85	0.00	2.66	2.E-18
P62987	IIEPSLRQLAQK	1394.82	1394.82	0.00	0.63	2.E-18
O43390	YGGPPPDSVYSGVQPGIGTEVFGK	2506.18	2506.24	-0.06	-25.83	2.E-18
Q15061	LILLITQVTASEK	1427.86	1427.86	0.00	-0.14	2.E-18
Q13523	LDDLALLEDEK	1385.73	1385.73	0.00	1.13	2.E-18
Q8TDN6	FLVQNIHTLAELK	1525.87	1524.87	1.00	657.08	2.E-18
P35908	VRFLEQQNQVLQTK	1729.96	1729.95	0.01	3.18	2.E-18
Q13421	LRTDAVLPLTVAEVQK	1752.02	1752.01	0.01	3.31	2.E-18
P05787	LSELEAALQRAK	1327.75	1327.75	0.00	2.84	2.E-18
Q3BDU5	LVRSVTVVEDDEDGDDLLHHHHVSGSRR	3422.62	3422.62	0.00	0.80	2.E-18
P26373	LATQLTGPVMPVRNVYK	1889.93	1886.04	3.89	2056.71	2.E-18
O95816	HATRIIDEVVNK	1393.77	1393.77	0.00	0.48	2.E-18

O95816	HATRIIDEVVNK	1393.75	1393.77	-0.02	-14.95	2.E-18
Q9NWH9	(41)AAATGAVAASAASGQAEK	1629.85	1629.80	0.05	29.75	2.E-18
Q9NWH9	(41)AAATGAVAASAASGQAEK	1629.80	1629.80	0.00	1.95	2.E-18
P62987	IIEPSLRQLAQK	1394.80	1394.82	-0.02	-15.29	2.E-18
P16403	ERSGVSLAALK	1131.66	1129.65	2.01	1773.96	2.E-18
P02545	NIYSEELRETK	1380.69	1380.69	0.00	2.25	2.E-18
P18124	RIALTDNALIARSLGK	1711.01	1711.01	0.00	1.74	2.E-18
O43390	YGGPPPDSVYSGVQPGIGTEVFVGK	2506.24	2506.24	0.00	1.38	2.E-18
P05783	GLQAQIASSGLTVEVDAPK	1883.01	1883.00	0.01	3.74	2.E-18
P02545	LRDLEDSLARERDTSRRLAEK	2641.43	2641.43	0.00	-0.88	2.E-18
P09661	NAIANASTLAEVERLK	1698.93	1698.93	0.00	1.05	3.E-18
Q9NWH9	(41)AAATGAVAASAASGQAEK	1629.77	1629.80	-0.03	-15.72	3.E-18
Q9NWH9	(41)AAATGAVAASAASGQAEK	1629.75	1629.80	-0.05	-31.12	3.E-18
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	-0.17	3.E-18
P16403	ERSGVSLAALK	1129.64	1129.65	-0.01	-11.42	3.E-18

P16403	ERSGVSLAALK	1128.63	1129.65	-1.02	-904.55	3.E-18
O75533	DLLPRLTPILK	1282.76	1277.81	4.95	3856.88	3.E-18
Q02539	SLVSKGTLVQTK	1259.74	1259.74	0.00	1.04	3.E-18
Q8IVT2	VNRIPPDAYQPYLSPGTPQLEFSAFGAFGK	3266.64	3266.64	0.00	-0.45	3.E-18
P56182	VGAEELTADQNLK	1387.69	1386.70	0.99	711.73	3.E-18
Q08211	NFLYAWCGK	1160.64	1157.53	3.11	2678.53	3.E-18
Q08211	NFLYAWCGK	1157.53	1157.53	0.00	1.39	3.E-18
Q08211	NFLYAWCGK	1154.60	1157.53	-2.93	-2541.74	3.E-18
Q04695	KEPVTTRQVRTIVEEVQDGK	2311.26	2311.25	0.01	2.32	3.E-18
P08107	AQIHDLVLVGGSTRIPK	1803.04	1803.04	0.00	0.60	3.E-18
P61254	FNPFVTSDRSK	1296.65	1296.65	0.00	1.36	3.E-18
P62841	HGRPGIGATHSSRFIPLK	1930.06	1930.06	0.00	0.57	3.E-18
P62841	HGRPGIGATHSSRFIPLK	1930.03	1930.06	-0.03	-13.27	3.E-18
P05783	GLQAQIASSGLTVEVDAPK	1883.01	1883.00	0.01	3.52	4.E-18
Q09161	DGVLEEQUIERLQEK	1684.86	1684.86	0.00	-0.80	4.E-18

P13010	TDTLEDLFPTTK	1382.82	1379.68	3.14	2272.52	4.E-18
P13010	TDTLEDLFPTTK	1382.68	1379.68	3.00	2170.99	4.E-18
Q9NQT4	EARAVLTFALDSVERK	1803.98	1803.98	0.00	1.08	4.E-18
Q15459	VQAQVIQETIVPK	1454.80	1451.83	2.97	2038.32	4.E-18
Q15459	VQAQVIQETIVPK	1451.83	1451.83	0.00	1.06	4.E-18
Q15459	VQAQVIQETIVPK	1450.74	1451.83	-1.09	-750.82	4.E-18
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	1.08	4.E-18
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.39	2833.44	-0.05	-19.29	4.E-18
P14136	VRFLEQQNK	1160.63	1160.63	0.00	0.09	4.E-18
Q04695	KEPVTTRQVRTIVEEVQDGK	2311.22	2311.25	-0.03	-14.64	4.E-18
P61978	IILDLISESPIK	1339.80	1339.80	0.00	0.05	4.E-18
P61978	IILDLISESPIK	1339.78	1339.80	-0.02	-12.71	4.E-18
P61978	IILDLISESPIK	1339.77	1339.80	-0.03	-22.49	4.E-18
P61978	IILDLISESPIK	1336.73	1339.80	-3.07	-2293.83	4.E-18
P09661	NAIANASTLAEVERLK	1698.93	1698.93	0.00	0.29	4.E-18

Q9NYF8	DRLLASTLVHSVK	1437.83	1437.83	0.00	1.51	4.E-18
P60709	ILTERGYSFTTTAEREIVRDIK	2597.39	2597.38	0.01	2.36	5.E-18
Q14444	TVLELQYVLDK	1319.73	1319.73	0.00	1.10	5.E-18
Q9UKV3	VPEESVLPLVQK	1336.81	1336.76	0.05	36.89	5.E-18
Q9UKV3	VPEESVLPLVQK	1336.76	1336.76	0.00	1.43	5.E-18
P07355	DIISDTSGDFRK	1353.70	1352.66	1.04	767.91	5.E-18
Q92499	TGAFSIPVIQIVYETLK	1878.05	1878.05	0.00	1.00	5.E-18
Q9NQT4	ATLEVILRPK	1138.71	1138.71	0.00	0.56	5.E-18
O75955	AAYDIEVNTRRAQADLAYQLQVAK	2706.41	2706.41	0.00	1.82	5.E-18
P07910	LKGDDLQAIKK	1227.67	1227.72	-0.05	-36.94	5.E-18
Q99848	PGLNVVLEGPK	1121.64	1121.64	0.00	0.42	5.E-18
Q99848	PGLNVVLEGPK	1121.63	1121.64	-0.01	-10.01	5.E-18
Q04695	EPVTTRQVRTIVEEVQDGK	2183.16	2183.15	0.01	2.58	5.E-18
P35659	NVGQFSGFPFEK	1355.65	1355.65	0.00	2.60	5.E-18
Q12905	LDPELHLDIK	1191.65	1191.65	0.00	2.51	5.E-18

Q12905	LDPELHLDIK	1188.61	1191.65	-3.04	-2558.12	5.E-18
Q9NWB6	LIEEETARRVEELVAK	1884.03	1884.03	0.00	-0.79	5.E-18
Q5T6W2	IIPBLEEYQHYK	1530.83	1532.79	-1.96	-1278.57	5.E-18
Q09161	DGVLEEQIERLQEK	1687.87	1684.86	3.01	1781.57	6.E-18
P13010	TDLTLEDLFPPTK	1379.68	1379.68	0.00	0.72	6.E-18
P13010	TDLTLEDLFPPTK	1377.81	1379.68	-1.87	-1360.64	6.E-18
P09661	NAIANASTLAEVERLK	1696.80	1698.93	-2.13	-1254.84	6.E-18
O60506	VLFRNLANTVTEEILEK	2087.16	2087.16	0.00	-0.34	6.E-18
Q12905	PAPDETSFSEALLK	1507.78	1503.75	4.03	2672.71	6.E-18
P09661	NAIANASTLAEVERLK	1698.93	1698.93	0.00	0.76	6.E-18
P04264	SLNNQFASFIDK	1382.68	1382.68	0.00	2.95	6.E-18
P04264	SLNNQFASFIDK	1380.77	1382.68	-1.91	-1381.41	6.E-18
Q01130	(51)SYGRPPPDVEGMTSLK	1774.86	1774.86	0.00	0.28	6.E-18
P07910	LKGDDLQAIKK	1227.72	1227.72	0.00	0.61	6.E-18
P07910	LKGDDLQAIKK	1227.70	1227.72	-0.02	-12.43	6.E-18

Q9NZB2	PVAPQVPSPPGGAPGQGPYPYSLSEPAPLTLDTSGK	3431.73	3431.72	0.01	2.82	7.E-18
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	0.28	7.E-18
P07355	DIISDTSGDFRK	1352.78	1352.66	0.12	90.86	7.E-18
P07355	DIISDTSGDFRK	1352.66	1352.66	0.00	2.08	7.E-18
O43818	LYLEQLRQQEEEEK	1704.87	1704.87	0.00	2.85	7.E-18
P09661	TFNPGAGLPTDKK	1344.70	1344.70	0.00	1.54	7.E-18
Q14683	LVIDVIRYEPPIHK	1690.98	1690.98	0.00	1.43	7.E-18
Q14683	LVIDVIRYEPPIHK	1690.96	1690.98	-0.02	-12.23	7.E-18
Q9NR30	DLIAQARTGTGK	1238.66	1229.67	8.99	7258.09	7.E-18
Q9NR30	DLIAQARTGTGK	1236.75	1229.67	7.08	5727.42	7.E-18
Q9NR30	DLIAQARTGTGK	1235.65	1229.67	5.98	4838.28	7.E-18
A6NI71	(41)ATDTSQGELVHPK	1423.69	1423.69	0.00	0.82	7.E-18
Q8IYB3	VNLEVIKPWITK	1438.85	1438.85	0.00	1.77	7.E-18
Q5T6W2	IIPBLEEYQHYK	1535.79	1532.79	3.00	1952.70	7.E-18
Q5T6W2	IIPBLEEYQHYK	1532.79	1532.79	0.00	2.63	7.E-18

Q09028	TVALWDLRNLK	1331.75	1327.76	3.99	2993.96	8.E-18
Q09028	TVALWDLRNLK	1327.76	1327.76	0.00	2.87	8.E-18
Q86V81	LLVSNLDFGVSDADIQELFAEFGTLK	2840.45	2840.45	0.00	-1.24	8.E-18
Q9UMS4	VAHPIRPKPPSATSIPAILK	2092.25	2092.25	0.00	1.33	8.E-18
Q14683	EQRGEPETFLPLDYLEVKPTDEK	2734.36	2732.35	2.01	733.83	8.E-18
O14979	VFVGGLSPDTSEEQIK	1704.86	1704.86	0.00	2.29	9.E-18
P07355	SYSPYDMLESIRK	1587.85	1587.76	0.09	56.75	9.E-18
P07355	SYSPYDMLESIRK	1587.76	1587.76	0.00	2.40	9.E-18
Q92841	APILIATDVASRGLDVEDVK	2081.14	2081.14	0.00	0.83	9.E-18
Q8IVT2	GAPHSSPARGTPAGTTPGASQAPK	2200.10	2200.10	0.00	0.52	9.E-18
P20073	GFGTDEQAIVDVVANRSNDQRQK	2546.26	2546.25	0.01	2.79	9.E-18
P26599	LPIDVTEGEVISLGLPFGK	1983.09	1983.09	0.00	1.87	9.E-18
Q12906	VADNLAIQLAAVTEDK	1671.80	1669.89	1.91	1142.83	1.E-17
P61247	LMELHGEGLSSSGK	1334.69	1330.62	4.07	3048.21	1.E-17
P61247	LMELHGEGLSSSGK	1334.67	1330.62	4.05	3032.22	1.E-17

Q13813	LLVGSEDYGRDLTGVQNLRK	2237.18	2232.19	4.99	2229.15	1.E-17
Q13813	LLVGSEDYGRDLTGVQNLRK	2232.19	2232.19	0.00	0.67	1.E-17
P50995	TPVLFDIYEIK	1340.79	1336.73	4.06	3025.08	1.E-17
P50995	TPVLFDIYEIK	1339.80	1336.73	3.07	2292.12	1.E-17
P50995	TPVLFDIYEIK	1336.73	1336.73	0.00	2.15	1.E-17
P49736	VAVGELTDEDVK	1273.64	1273.64	0.00	1.94	1.E-17
Q9NR30	DLIAQARTGTGK	1229.67	1229.67	0.00	0.43	1.E-17
Q9Y230	EYQDAFLFNEK	1515.72	1515.72	0.00	2.48	1.E-17
P08621	TLFVARVNYDTTESK	1747.82	1742.88	4.94	2828.14	1.E-17
Q96GM8	RALLNLPGTQTSGEAK	1656.79	1654.90	1.89	1140.15	1.E-17
Q96GM8	RALLNLPGTQTSGEAK	1654.90	1654.90	0.00	2.78	1.E-17
Q12905	PAPDETSFSEALLK	1503.75	1503.75	0.00	2.89	1.E-17
Q12905	PAPDETSFSEALLK	1507.78	1503.75	4.03	2672.31	1.E-17
P61247	LMELHGEHSSSGK	1334.69	1330.62	4.07	3048.28	1.E-17
Q99829	TLQLEYRFETVQK	1653.87	1653.87	0.00	2.78	1.E-17

Q9NR30	DLIAQARTGTGK	1227.67	1229.67	-2.00	-1628.18	1.E-17
P20700	LLEGEEERLK	1214.65	1214.65	0.00	2.28	1.E-17
P20700	LLEGEEERLK	1214.55	1214.65	-0.10	-78.99	1.E-17
Q9NR30	GRGVTFLLPIQAK	1434.79	1432.82	1.97	1370.70	1.E-17
Q9NR30	GRGVTFLLPIQAK	1432.82	1432.82	0.00	-0.93	1.E-17
P62701	GIPHLVTHDARTIRYDPLIK	2411.34	2411.34	0.00	0.58	1.E-17
Q9NVP1	VPLSEFDFSWSK	1440.69	1440.69	0.00	0.14	1.E-17
P20073	GFGTDEQAIVDVVANRSNDQRQK	2546.26	2546.25	0.01	2.51	1.E-17
P52597	HSGPNSADSANDGFVRLRGLPFGCTK	2773.35	2759.32	14.03	5058.70	1.E-17
P52597	HSGPNSADSANDGFVRLRGLPFGCTK	2762.33	2759.32	3.01	1091.12	1.E-17
Q14254	MALVLEALPQIAAK	1466.85	1466.85	0.00	2.77	1.E-17
O00148	LTLHGLQYYVK	1461.80	1461.80	0.00	1.93	2.E-17
P61247	LMELHGEQSSSGK	1330.72	1330.62	0.10	74.78	2.E-17
P61247	LMELHGEQSSSGK	1330.62	1330.62	0.00	0.68	2.E-17
P61247	LMELHGEQSSSGK	1330.72	1330.62	0.10	75.98	2.E-17

P61247	LMELHGE GSSSGK	1330.66	1330.62	0.04	31.42	2.E-17
P61247	LMELHGE GSSSGK	1330.62	1330.62	0.00	0.83	2.E-17
Q04695	DAEDWFFSK	1143.49	1143.49	0.00	1.43	2.E-17
Q04695	DAEDWFFSK	1143.48	1143.49	-0.01	-9.76	2.E-17
P26373	LATQLTGPVMPVRNVYK	1886.04	1886.04	0.00	1.24	2.E-17
O75533	DLLPRLTPILK	1277.81	1277.81	0.00	1.90	2.E-17
O94776	LNPADAPNPVVFVATK	1651.89	1651.89	0.00	0.96	2.E-17
Q9UQE7	AELGTDLLSQLSLEDQK	1858.95	1858.95	0.00	2.07	2.E-17
P17676	VLELTAENERLQK	1541.84	1541.84	0.00	0.39	2.E-17
P08107	AQIHDLVLVGGSTRIPK	1803.04	1803.04	0.00	1.04	2.E-17
Q12905	PAPDETSFSEALLK	1503.75	1503.75	0.00	2.76	2.E-17
P02545	AGQVVTIWAAGAGATHSPPTDLVWK	2533.32	2532.31	1.01	397.17	2.E-17
P05783	GLQAQIASSGLTVEVDAPK	1884.00	1883.00	1.00	531.86	2.E-17
P62906	KYDAFLASESLIK	1483.79	1483.79	0.00	0.66	2.E-17
P20073	GFGTDEQAIVDVVANRSNDQRQK	2549.18	2546.25	2.93	1147.94	2.E-17

P61247	VERADGYEPPVQESV	1673.79	1673.79	0.00	-0.45	2.E-17
P61247	VERADGYEPPVQESV	1673.76	1673.79	-0.03	-18.61	2.E-17
P07910	MESEGGADD(37)SAEEGDLLDDDDNEDRGDDQLELIK	3805.47	3789.48	15.99	4201.40	2.E-17
P02545	RQNGDDPLLTYRFPPK	1916.98	1915.99	0.99	514.19	2.E-17
Q9Y230	EYQDAFLFNELK	1516.78	1515.72	1.06	696.25	2.E-17
Q53HU8	VELQELNDRFANYIDK	1965.98	1965.98	0.00	1.89	2.E-17
Q53HU8	VELQELNDRFANYIDK	1965.96	1965.98	-0.02	-11.89	2.E-17
P62241	LTPEEEEEILNK	1313.67	1313.67	0.00	-0.64	2.E-17
P62241	LTPEEEEEILNK	1313.65	1313.67	-0.02	-13.80	2.E-17
P35659	KVERLTMQVSSLQREPFTIAQGK	2645.44	2645.43	0.01	2.01	2.E-17
P08621	TLFVARVNYDTTESK	1742.88	1742.88	0.00	0.69	2.E-17
O75955	LPQVAEEISGPLTSANK	1756.98	1752.93	4.05	2303.71	2.E-17
P20700	HETRLVEVDSGRQIEYKY	2350.16	2350.16	0.00	0.25	3.E-17
P08107	AQIHDLVLVGGSTRIPK	1803.04	1803.04	0.00	0.15	3.E-17
P08758	(41)AQVLRGTVDTFPGFDERADAETLRK	2837.37	2833.44	3.93	1384.47	3.E-17

P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	1.01	3.E-17
O75683	GRILPQDLERAGLV	1535.88	1535.88	0.00	2.58	3.E-17
O75683	GRILPQDLERAGLV	1531.77	1535.88	-4.11	-2683.85	3.E-17
P19338	GFGFVDFNSEEDAK	1564.72	1560.67	4.05	2589.46	3.E-17
P19338	GFGFVDFNSEEDAK	1562.93	1560.67	2.26	1447.01	3.E-17
P19338	GFGFVDFNSEEDAK	1558.80	1560.67	-1.87	-1202.22	3.E-17
Q9NR30	TFSFAIPLIEK	1264.71	1264.71	0.00	0.40	3.E-17
Q9NR30	TFSFAIPLIEK	1264.69	1264.71	-0.02	-12.57	3.E-17
P02545	RQNGDDPLLTYRFPPK	1916.98	1915.99	0.99	514.40	3.E-17
Q96GQ7	ARILPQDVILK	1264.79	1264.79	0.00	0.89	3.E-17
P62701	VNDTIQIDLETGK	1445.74	1444.74	1.00	694.79	3.E-17
P26373	STESLQANVQRLK	1472.77	1472.79	-0.02	-14.59	3.E-17
Q8N1F7	DNALLSAIEESRK	1444.80	1444.75	0.05	33.54	3.E-17
Q8N1F7	DNALLSAIEESRK	1444.75	1444.75	0.00	0.38	3.E-17
Q9UMS4	EVTAAREALATLK	1375.74	1371.77	3.97	2882.93	3.E-17

Q9NR30	EGAFSNFPISEETIK	1667.80	1667.80	0.00	0.58	3.E-17
Q15050	FQPLFGDFAAEK	1368.67	1368.67	0.00	2.44	3.E-17
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	1.87	3.E-17
Q9BV38	INRDLDFDFSTRFITRPAK	2196.19	2196.18	0.01	2.40	3.E-17
Q9BV38	INRDLDFDFSTRFITRPAK	2195.13	2196.18	-1.05	-477.44	3.E-17
P60903	EFPGFLENQK	1207.59	1207.59	0.00	-0.26	3.E-17
P60903	EFPGFLENQK	1207.57	1207.59	-0.02	-12.68	3.E-17
P60903	EFPGFLENQK	1204.62	1207.59	-2.97	-2468.85	3.E-17
P62701	GNKPWISLPRGK	1351.77	1351.77	0.00	0.87	3.E-17
O14639	FPAAQAPDPSETPK	1454.70	1454.70	0.00	2.94	4.E-17
P19338	GFGFVDFNSEEDAK	1560.67	1560.67	0.00	0.89	4.E-17
P26373	STESLQANVQRLK	1477.76	1472.79	4.97	3361.98	4.E-17
P26373	STESLQANVQRLK	1472.79	1472.79	0.00	-0.68	4.E-17
O60832	LDTSQWPLLLK	1312.74	1312.74	0.00	0.18	4.E-17
Q9NY12	VPYFNAPVYLENK	1552.79	1552.79	0.00	0.48	4.E-17

Q13813	RLEAELAAHEPAIQGVLDTGK	2217.18	2217.18	0.00	0.73	4.E-17
P62906	NWQNVRALYIK	1399.78	1403.77	-3.99	-2848.63	4.E-17
P46782	YLPHSAGRYAAK	1332.69	1332.69	0.00	0.94	4.E-17
P46782	YLPHSAGRYAAK	1331.64	1332.69	-1.05	-791.01	4.E-17
O60812	LKGDDLQAIK	1099.62	1099.62	0.00	-0.09	4.E-17
P02545	NIYSEELRETK	1381.70	1380.69	1.01	729.25	4.E-17
P16403	ERSGVSLAALK	1132.65	1129.65	3.00	2648.32	5.E-17
P68104	IGGIGTVPVGRVETGVLK	1752.93	1751.03	1.90	1083.86	5.E-17
P68104	IGGIGTVPVGRVETGVLK	1751.04	1751.03	0.01	3.62	5.E-17
Q9GZL7	YAVDDVPFSIPAASEIADLSNIINK	2661.36	2661.35	0.01	1.91	5.E-17
P62906	NWQNVRALYIK	1403.77	1403.77	0.00	1.10	5.E-17
P08758	(41)AQLRGTVTDFPGFDERADAETLRK	2858.67	2833.44	25.23	8824.70	5.E-17
P02545	LRDLEDLARERDTSRRLLAEK	2641.43	2641.43	0.00	1.13	5.E-17
P08758	(41)AQLRGTVTDFPGFDERADAETLRK	2833.45	2833.44	0.01	1.85	5.E-17
P08758	(41)AQLRGTVTDFPGFDERADAETLRK	2833.39	2833.44	-0.05	-18.72	5.E-17

P33993	LAASIAPEIYGHEDVK	1711.88	1711.88	0.00	0.32	6.E-17
P63220	(49)MQNDAGEFVDLYVPRK	1938.92	1922.92	16.00	8250.05	6.E-17
P61978	IILDLISESPIK	1341.78	1339.80	1.98	1473.55	6.E-17
P26373	LILFPRKPSAPK	1365.85	1365.85	0.00	0.44	6.E-17
P35659	NVGQFSGFPFEK	1355.65	1355.65	0.00	2.16	6.E-17
P26599	HQNVQLPREGQEDQGLTK	2076.04	2076.03	0.01	2.60	6.E-17
P62081	AIIIFVVPVQLK	1336.85	1336.85	0.00	0.52	6.E-17
P11142	SQIHDIVLVGGSTRIPK	1819.03	1819.03	0.00	-0.30	6.E-17
P05549	SNSNAVSAIPINK	1313.69	1313.69	0.00	2.42	6.E-17
P11142	SQIHDIVLVGGSTRIPK	1819.03	1819.03	0.00	0.58	6.E-17
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	0.18	6.E-17
P16403	ERSGVSLAALK	1125.57	1129.65	-4.08	-3624.22	6.E-17
P26641	(41)AAGTLYTYPENWRAFK	1928.95	1928.94	0.01	2.90	7.E-17
P05388	LLPHIRGNVGFVFTK	1696.98	1696.98	0.00	1.97	7.E-17
Q07021	AFVDFLSDEIK	1283.65	1282.64	1.01	783.56	7.E-17

P50995	QRQQILLSFK	1259.73	1259.73	0.00	1.91	7.E-17
Q8N108	DNEQALYELVK	1320.66	1320.66	0.00	0.89	7.E-17
P14678	RVLGLVLLRGENLVSMTEGPPPK	2573.47	2573.47	0.00	1.03	7.E-17
P14678	RVLGLVLLRGENLVSMTEGPPPK	2573.47	2573.47	0.00	0.99	7.E-17
P36578	GHRIEEVPELPLVVEDK	1958.05	1958.05	0.00	1.97	7.E-17
P02545	RQNGDDPLLTYRFPPK	1916.97	1915.99	0.98	513.67	7.E-17
P02545	LRDLEDGLARERDTSRRLAELK	2641.43	2641.43	0.00	-1.11	7.E-17
P33993	LAASIAPEIYGHEDVK	1709.85	1711.88	-2.03	-1188.15	7.E-17
P09661	NAIANASTLAEVERLK	1698.93	1698.93	0.00	0.11	8.E-17
P11142	SINPDEAVAYGAAVQAAILSGDK	2259.14	2259.14	0.00	-0.77	8.E-17
P61978	IILDLISESPIK	1339.80	1339.80	0.00	0.79	8.E-17
Q13813	HQAFEAEELSANQSRIDALEK	2256.12	2256.11	0.01	2.64	8.E-17
P62906	VSRDTLYEAVREVLHGNQRK	2369.26	2369.26	0.00	0.31	8.E-17
P07355	DIISDTSGDFRK	1356.64	1352.66	3.98	2936.46	9.E-17
P07355	DIISDTSGDFRK	1353.70	1352.66	1.04	766.80	9.E-17

P07355	DIISDTSGDFRK	1352.66	1352.66	0.00	2.30	9.E-17
P11142	SQIHDIVLVGGSTRIPK	1820.98	1819.03	1.95	1072.09	9.E-17
Q9UMS4	EVTAAREALATLK	1371.77	1371.77	0.00	2.45	9.E-17
Q3BDU5	LVRSVTVVEDDEDEDGDDLLHHHHVSGSRR	3422.62	3422.62	0.00	-0.19	9.E-17
Q59FS3	VAYLLNYSFSRRTLAVHDAILEDLVFPSEIVGK	3556.00	3679.95	-123.95	-34857.40	9.E-17
P11142	SQIHDIVLVGGSTRIPK	1820.99	1819.03	1.96	1073.68	9.E-17
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	1.45	9.E-17
P62081	AQLRELNITAAK	1326.76	1326.76	0.00	0.96	9.E-17
P62081	AQLRELNITAAK	1326.76	1326.76	0.00	1.19	9.E-17
P49736	RGLALALFGGEPK	1329.70	1327.76	1.94	1457.87	9.E-17
Q04695	VRALEEANTELEVK	1599.85	1599.85	0.00	2.40	9.E-17
Q04695	VRALEEANTELEVK	1595.86	1599.85	-3.99	-2501.21	9.E-17
Q04695	VRALEEANTELEVK	1599.85	1599.85	0.00	3.02	1.E-16
Q8N108	DNEQALYELVK	1322.66	1320.66	2.00	1511.11	1.E-16
P34931	VEIANDQGNRTTPSYVAFTDTERLIGDAAK	3366.70	3364.69	2.01	596.77	1.E-16

P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	-0.03	1.E-16
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	-0.03	1.E-16
P22626	IDTIEIITDRQSGK	1587.86	1587.85	0.01	3.23	1.E-16
P22626	IDTIEIITDRQSGK	1587.77	1587.85	-0.08	-51.63	1.E-16
Q15434	GYGFVDFDSPSAAQK	1590.83	1587.72	3.11	1954.32	1.E-16
Q15434	GYGFVDFDSPSAAQK	1587.72	1587.72	0.00	2.89	1.E-16
Q12905	ILPTLEAVAALGNK	1408.83	1408.83	0.00	-0.37	1.E-16
Q12905	ILPTLEAVAALGNK	1408.81	1408.83	-0.02	-15.14	1.E-16
O60506	LDEIYVAGLVAHSDLDERAIEALK	2639.38	2639.38	0.00	-1.28	1.E-16
P38919	RDELTLEGIK	1172.64	1172.64	0.00	1.81	1.E-16
P05783	VIDDTNITRLQLETEIEALK	2313.25	2313.24	0.01	2.63	1.E-16
P08670	ILLAELEQLK	1169.67	1168.71	0.96	822.29	1.E-16
P08670	ILLAELEQLK	1168.71	1168.71	0.00	2.31	1.E-16
P02545	RTLEGELHDLRGQVAK	1820.99	1820.99	0.00	0.52	1.E-16
Q07021	AFVDFLSDEIK	1283.64	1282.64	1.00	782.31	1.E-16

P19338	FGYVDFESAEDLEK	1647.73	1647.73	0.00	1.22	1.E-16
O00148	GLAITFVSDENDAK	1482.78	1478.73	4.05	2728.64	1.E-16
O00148	GLAITFVSDENDAK	1481.74	1478.73	3.01	2034.33	1.E-16
O00148	GLAITFVSDENDAK	1479.74	1478.73	1.01	680.15	1.E-16
O60506	DLEGENIEIVFAKPPDQK	2041.04	2041.04	0.00	0.77	1.E-16
Q04695	VRALEEANTELEVK	1595.86	1599.85	-3.99	-2499.89	1.E-16
Q09666	GEGPEVDVNLPK	1256.71	1252.63	4.08	3247.45	1.E-16
Q16576	GEFGGFGSVTGK	1150.59	1141.54	9.05	7866.51	2.E-16
Q16576	GEFGGFGSVTGK	1147.62	1141.54	6.08	5297.52	2.E-16
P49736	RGLALALFGGEPK	1327.76	1327.76	0.00	2.13	2.E-16
Q9BUH6	VPGPEAAPRLRALTLGLAK	1929.15	1929.15	0.00	0.62	2.E-16
O15042	NPPNQSSNERPPSLLVIETK	2219.15	2219.15	0.00	1.36	2.E-16
P18124	RIALTDNALIARSLGK	1711.01	1711.01	0.00	1.39	2.E-16
Q9UMS4	TVPEELVKPEELSK	1606.84	1596.86	9.98	6208.46	2.E-16
Q9UMS4	TVPEELVKPEELSK	1604.83	1596.86	7.97	4966.49	2.E-16

O00148	LTLHGLQQYYVK	1459.80	1461.80	-2.00	-1372.03	2.E-16
Q9NWB6	LAEEQLRIVEEQRK	1739.95	1739.95	0.00	0.59	2.E-16
Q07021	VEEQPELTSTPNFVVEVIK	2286.17	2286.16	0.01	2.64	2.E-16
P08758	TLFGRDLLDDLK	1404.76	1404.76	0.00	0.11	2.E-16
Q09666	GEGPEVDVNLPK	1255.71	1252.63	3.08	2449.62	2.E-16
Q09666	GEGPEVDVNLPK	1252.63	1252.63	0.00	2.16	2.E-16
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	0.28	2.E-16
P02545	RQNGDDPLLTYRFPPK	1916.97	1915.99	0.98	513.61	2.E-16
O00148	LTLHGLQQYYVK	1461.80	1461.80	0.00	2.68	2.E-16
P11021	KSDIDEIVLVGGSTRIPK	1926.08	1926.08	0.00	0.70	2.E-16
Q9NR30	TFSFAIPLIEK	1264.71	1264.71	0.00	0.32	2.E-16
Q9NR30	TFSFAIPLIEK	1264.70	1264.71	-0.01	-11.54	2.E-16
O75475	NMFLVGEEDSVITQVLNK	1979.00	1963.01	15.99	8082.03	2.E-16
P07355	SLYYYIQDQTK	1420.74	1420.69	0.05	32.91	2.E-16
P07355	SLYYYIQDQTK	1420.69	1420.69	0.00	1.73	2.E-16

Q8N1F7	DNALLSAIEESRK	1444.80	1444.75	0.05	33.33	2.E-16
Q8N1F7	DNALLSAIEESRK	1444.75	1444.75	0.00	0.45	2.E-16
Q8N1F7	DNALLSAIEESRK	1443.71	1444.75	-1.04	-719.36	2.E-16
P08107	SENVQDLLLLDVAPLSLGLLETAGGVMTALIK	3180.74	3179.74	1.00	314.66	2.E-16
Q53F64	IFVGGLNPEATEEK	1502.79	1502.76	0.03	19.87	2.E-16
Q53F64	IFVGGLNPEATEEK	1502.76	1502.76	0.00	-1.09	2.E-16
Q53F64	IFVGGLNPEATEEK	1502.74	1502.76	-0.02	-16.19	2.E-16
Q9UKX7	LQQUESTFLFHGNK	1549.78	1547.77	2.01	1297.26	2.E-16
Q9UKX7	LQQUESTFLFHGNK	1547.77	1547.77	0.00	1.99	2.E-16
P23396	KPLPDHVSIVEPKDEILPTTPISEQK	2914.42	2909.57	4.85	1664.40	2.E-16
Q03701	ELLITDLLPDNRK	1538.87	1538.87	0.00	1.71	2.E-16
Q03701	ELLITDLLPDNRK	1538.77	1538.87	-0.10	-64.91	2.E-16
O43852	TFDQLTPEESK	1296.66	1293.61	3.05	2352.93	2.E-16
P19338	TLVLSNLSYSATEETLQEVFEK	2500.25	2500.26	-0.01	-2.13	2.E-16
Q9BY77	(41)ADISLDELIRK	1313.72	1313.72	0.00	2.22	3.E-16

Q15029	RLWGDIYFNPK	1407.73	1407.73	0.00	0.78	3.E-16
O75367	GKLEAIITPPPAK	1333.80	1333.80	0.00	0.53	3.E-16
O75475	STMLYNKFKNMFLVGEGDSVITQVLNK	2965.52	3075.58	-110.06	-37112.80	3.E-16
P23396	RFGFPEGSVELYAEK	1727.85	1727.85	0.00	1.02	3.E-16
P11940	PLYVALAQRK	1157.69	1157.69	0.00	1.08	3.E-16
P11940	PLYVALAQRK	1153.69	1157.69	-4.00	-3470.57	3.E-16
P09661	KGGPSPGDVEAIK	1248.68	1253.66	-4.98	-3991.04	3.E-16
Q00059	IYQDAYRAEWQVYK	1831.89	1831.89	0.00	1.19	3.E-16
Q8TED0	FLLQLGLVEK	1158.70	1158.70	0.00	1.11	3.E-16
Q9H307	(41)AVAVRTLQEQLK	1528.85	1525.85	3.00	1962.25	3.E-16
Q9H307	(41)AVAVRTLQEQLK	1525.85	1525.85	0.00	0.51	3.E-16
Q9NX34	(51)SVQPTVSLGGFEITPPVLRK	2419.39	2378.36	41.03	16958.20	3.E-16
P32969	TILSNQTVDIPENVDTLK	2112.13	2112.13	0.00	0.34	3.E-16
P32969	TILSNQTVDIPENVDTLK	2112.08	2112.13	-0.05	-23.52	3.E-16
P02545	RQNGDDPLLTYRFPPK	1916.97	1915.99	0.98	513.51	3.E-16

P16403	(51)SETAPAAPAAAPPAEK	1519.75	1519.75	0.00	2.48	3.E-16
P61978	IILDLISESPIK	1339.80	1339.80	0.00	2.88	3.E-16
P19338	VEGTEPTTAFNLFVGNLNFNK	2313.16	2311.15	2.01	869.19	3.E-16
O95793	SEISQVFEIALK	1368.80	1362.74	6.06	4426.40	4.E-16
O95793	SEISQVFEIALK	1367.80	1362.74	5.06	3695.84	4.E-16
P09661	KGGPSPGDVEAIK	1253.66	1253.66	0.00	0.94	4.E-16
P62701	VRTDITYPAGFMDVISIDK	2140.09	2140.09	0.00	0.00	4.E-16
P0C0S8	TRIIPRHLQLAIRNDEELNK	2428.37	2428.37	0.00	0.81	4.E-16
Q9H307	(41)AVAVRTLQEQLK	1525.85	1525.85	0.00	1.83	4.E-16
Q9H307	(41)AVAVRTLQEQLK	1525.82	1525.85	-0.03	-16.46	4.E-16
Q15717	VAGHSLGYGFVNYVTAK	1781.99	1781.91	0.08	45.10	4.E-16
Q15717	VAGHSLGYGFVNYVTAK	1781.91	1781.91	0.00	1.78	4.E-16
Q6DKI1	TIPLTDNTVIEEHLGK	1780.95	1778.94	2.01	1127.04	4.E-16
P61981	TAFDDAIAELDTLNEDSYK	2129.96	2129.96	0.00	0.41	4.E-16
Q49A26	(41)AAVSLRLGDLVWGK	1525.86	1525.86	0.00	1.14	4.E-16

O60506	EFNEDGALAVLQQFK	1707.85	1707.85	0.00	-0.45	4.E-16
O43390	DYAFVHFEDRGA AVK	1731.87	1723.83	8.04	4640.15	4.E-16
O43852	TFDQLTPEESK	1293.61	1293.61	0.00	2.75	4.E-16
Q9NWB6	LAEEQLRIVEEQRK	1739.95	1739.95	0.00	0.59	4.E-16
P22087	ANCIDSTASAEAVFASEVK	1974.99	1968.91	6.08	3076.36	5.E-16
P62906	NWQNVRALYIK	1405.78	1403.77	2.01	1428.64	5.E-16
P04792	LATQSNEITIPVTFESRAQLGGPEAAK	2837.36	2827.47	9.89	3487.27	5.E-16
Q16891	TSSAETPTIPLGSAVEAIK	1870.99	1870.99	0.00	0.68	5.E-16
P35908	VDLLNQEIEFLK	1459.79	1459.79	0.00	-0.49	5.E-16
Q562R8	LRVAPEEHPVLLTEAPLNPK	2351.29	2222.24	129.05	54883.90	5.E-16
Q562R8	LRVAPEEHPVLLTEAPLNPK	2345.21	2222.24	122.97	52434.20	5.E-16
P0C0S8	VTIAQGGVLPNIQAVLLPK	1930.16	1930.16	0.00	0.01	5.E-16
P19338	VEGTEPTTAFNLFVGNLNFNK	2311.15	2311.15	0.00	-0.14	5.E-16
P05787	YEELQSLAGK	1140.70	1136.57	4.13	3619.68	5.E-16
P05787	YEELQSLAGK	1136.57	1136.57	0.00	1.99	5.E-16

P05787	YEELQSLAGK	1135.54	1136.57	-1.03	-907.18	5.E-16
P62081	AIIIFVPVQLK	1336.85	1336.85	0.00	0.15	5.E-16
P62081	AIIIFVPVQLK	1336.83	1336.85	-0.02	-14.22	5.E-16
Q6P1J9	(41)ADVLSVLRQYNIQK	1687.93	1687.93	0.00	1.93	5.E-16
Q17R45	ALVRLALEAEK	1211.72	1211.72	0.00	1.13	6.E-16
O00422	GTHFNFAIVFTDVK	1594.81	1594.81	0.00	0.98	6.E-16
Q02539	ALAAAGYDVEK	1106.56	1106.56	0.00	-0.14	6.E-16
Q02539	ALAAAGYDVEK	1106.55	1106.56	-0.01	-11.08	6.E-16
Q6DKI1	TIPLTDNTVIEEHLGK	1778.94	1778.94	0.00	0.73	6.E-16
Q04695	TRLEQEIATYRRLEGEDAHLTQYK	3032.58	3032.57	0.01	3.33	6.E-16
P11021	VTHAVVTVPAYFNDAQRQATK	2314.19	2315.20	-1.01	-434.66	7.E-16
O60506	DLEGENIEIVFAKPPDQK	2041.04	2041.04	0.00	0.82	7.E-16
O43290	GVLQEEEDVLVNVNLVVK	2015.97	2011.05	4.92	2442.05	7.E-16
P02545	LRDLEDLARERDTSRRLLAEK	2641.43	2641.43	0.00	1.01	7.E-16
P08729	LEAAIAEAEERGELALK	1811.96	1811.96	0.00	2.35	7.E-16

P19338	TLVLSNLSYSATEETLQEVFEK	2500.26	2500.26	0.00	-1.21	8.E-16
P08621	TLFVARVNYDTTESK	1742.88	1742.88	0.00	2.76	8.E-16
P19338	EVFEDAAEIRLVSK	1604.88	1604.84	0.04	22.34	8.E-16
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	0.22	8.E-16
P07355	DIISDTSGDFRK	1352.66	1352.66	0.00	0.01	8.E-16
Q14444	TVLELQYVLDK	1319.73	1319.73	0.00	0.34	8.E-16
P62424	VPPAINQFTQALDRQTATQLLK	2452.34	2452.34	0.00	0.05	8.E-16
P62906	NWQNVRALYIK	1403.77	1403.77	0.00	0.74	8.E-16
P02545	RQNGDDPLLTYRFPPK	1916.98	1915.99	0.99	514.71	8.E-16
Q9NR30	EGAFSNFPISEETIK	1667.80	1667.80	0.00	1.00	8.E-16
Q9NR30	DLIAQARTGTGK	1233.67	1229.67	4.00	3242.45	8.E-16
Q9NR30	DLIAQARTGTGK	1229.67	1229.67	0.00	1.24	8.E-16
P62906	QIPRILGPGLNK	1308.60	1304.79	3.81	2909.43	8.E-16
Q9H307	LTEVPVEPVLTVHPESK	1873.02	1873.02	0.00	1.42	9.E-16
Q14978	RGAAGDWGERANQVLK	1726.89	1726.89	0.00	1.17	9.E-16

P06748	MSVQPTVSLGGFEITPPVVLRLK	2484.39	2467.39	17.00	6843.09	9.E-16
Q86V81	LLVSNLDFGVSDADIQELFAEFGTLK	2840.45	2840.45	0.00	1.22	9.E-16
Q86V81	LLVSNLDFGVSDADIQELFAEFGTLK	2840.45	2840.45	0.00	-1.38	9.E-16
P06748	MSVQPTVSLGGFEITPPVVLRLK	2483.39	2467.39	16.00	6440.93	9.E-16
P06748	MSVQPTVSLGGFEITPPVVLRLK	2483.34	2467.39	15.95	6422.25	9.E-16
Q562R8	LRVAPEEHPVLLTEAPLNPK	2351.29	2222.24	129.05	54883.80	9.E-16
P04792	LATQSNEITIPVTFESRAQLGGPEAAK	2827.47	2827.47	0.00	0.87	1.E-15
P05388	AIRGHLENNPALEK	1560.84	1560.84	0.00	1.21	1.E-15
P62701	GIPHLVTHDARTIRYPDPLIK	2411.34	2411.34	0.00	0.46	1.E-15
P02545	DLEALLNSK	1001.54	1001.54	0.00	0.99	1.E-15
P02545	DLEALLNSK	1001.53	1001.54	-0.01	-11.19	1.E-15
P60709	ILTERGYSFTTAEREIVRDIK	2597.39	2597.38	0.01	1.97	1.E-15
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	1.22	1.E-15
Q96GQ7	ARILPQDVILK	1264.79	1264.79	0.00	1.21	1.E-15
P18124	RIALTDNALIARSLGK	1711.01	1711.01	0.00	1.63	1.E-15

P14866	NRIQHPSNVLHFFNAPLEVTEENFFEICDELGVK	4041.96	4041.97	-0.01	-1.65	1.E-15
P50995	TPVLFDIYEIK	1336.73	1336.73	0.00	1.70	1.E-15
Q09028	TVALWDLRNLK	1327.76	1327.76	0.00	1.59	1.E-15
Q09028	TVALWDLRNLK	1327.74	1327.76	-0.02	-11.90	1.E-15
Q15717	VAGHSLGYGFVNYVTAK	1781.99	1781.91	0.08	45.60	1.E-15
Q15717	VAGHSLGYGFVNYVTAK	1781.91	1781.91	0.00	1.33	1.E-15
P07355	DIISDTSGDFRK	1354.74	1352.66	2.08	1534.04	1.E-15
P08758	GLGTDEESILLLLTSRSNAQRQEISAAFK	3138.53	3134.62	3.91	1244.27	1.E-15
P16403	(51)SETAPAAPAAAPPAEK	1519.75	1519.75	0.00	2.62	1.E-15
Q9H307	(41)AVAVRTLQEULEK	1528.85	1525.85	3.00	1960.88	1.E-15
Q9H307	(41)AVAVRTLQEULEK	1525.85	1525.85	0.00	0.51	1.E-15
P08729	LEAAIAEAEERGELALK	1807.93	1811.96	-4.03	-2229.53	1.E-15
Q9BXY0	ALIAAQLDNAIEK	1367.71	1368.76	-1.05	-770.30	1.E-15
P08107	EIAEAYLGYPVNAVITVPAYFNDSQRQATK	3428.73	3428.73	0.00	-0.49	1.E-15
P11142	SQIHDIVLVGGSTRIPK	1820.98	1819.03	1.95	1073.57	1.E-15

P11142	SQIHDIVLVGGSTRIPK	1819.03	1819.03	0.00	0.09	1.E-15
Q9H307	(41)AVAVRTLQEQLK	1525.85	1525.85	0.00	0.78	1.E-15
P08670	VESLQEEIAFLK	1404.75	1404.75	0.00	1.91	1.E-15
P08670	VESLQEEIAFLK	1404.73	1404.75	-0.02	-14.03	1.E-15
P16403	(51)SETAAPAAAPPAEK	1519.75	1519.75	0.00	2.55	1.E-15
P16403	(51)SETAAPAAAPPAEK	1519.73	1519.75	-0.02	-15.22	1.E-15
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	2.60	1.E-15
P22626	IDTIEIITDRQSGK	1587.77	1587.85	-0.08	-51.57	1.E-15
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	2.66	1.E-15
P22626	IDTIEIITDRQSGK	1587.77	1587.85	-0.08	-51.69	1.E-15
P46777	AHAAIRENPVYEK	1496.77	1496.77	0.00	1.97	1.E-15
P23396	RFGFPEGSVELYAEK	1727.85	1727.85	0.00	1.19	1.E-15
O00148	LTLHGLQQYYVK	1461.80	1461.80	0.00	2.06	1.E-15
Q13813	LLVGSEDYGRDLTGVQNLK	2233.11	2232.19	0.92	410.86	1.E-15
Q13813	LLVGSEDYGRDLTGVQNLK	2232.19	2232.19	0.00	1.57	1.E-15

P05783	KGPQVRDWSHYFK	1646.83	1646.83	0.00	2.41	1.E-15
Q02539	ALAAAGYDVEK	1106.56	1106.56	0.00	0.31	1.E-15
P50995	TPVLFDIYEIK	1340.77	1336.73	4.04	3016.75	2.E-15
P61978	IILDLISESPIK	1341.78	1339.80	1.98	1473.32	2.E-15
P40429	YQAVTATLEEK	1251.63	1251.63	0.00	0.91	2.E-15
P0C0S8	VTIAQGGVLPNIQAVLLPK	1930.16	1930.16	0.00	0.58	2.E-15
P0C0S8	VTIAQGGVLPNIQAVLLPK	1930.12	1930.16	-0.04	-21.03	2.E-15
O00148	(41)AEQDVENDLLDYDEEEEPQAPQESTPAPPK	3424.51	3424.50	0.01	2.63	2.E-15
P31946	AVTEQGHELSNEERNLLSVAYK	2486.24	2486.24	0.00	0.48	2.E-15
P08729	LEAAIAEAEERGELALK	1811.97	1811.96	0.01	3.51	2.E-15
O60812	VDSLLENLEK	1160.62	1158.61	2.01	1731.40	2.E-15
O75475	NMFLVGEEDSVITQVLNK	1979.00	1963.01	15.99	8081.93	2.E-15
P07910	LKGDDLQAIKK	1227.72	1227.72	0.00	0.12	2.E-15
O43172	APDDLVPVVK	1127.53	1122.63	4.90	4344.79	2.E-15
O43172	APDDLVPVVK	1122.63	1122.63	0.00	2.20	2.E-15

Q9BXY0	ALIAAQLDNAIEK	1368.76	1368.76	0.00	2.89	2.E-15
P08579	MRGQAFVIFK	1195.65	1195.65	0.00	0.95	2.E-15
P62906	QIPRILGPGLNK	1304.79	1304.79	0.00	-0.25	2.E-15
P62906	QIPRILGPGLNK	1304.77	1304.79	-0.02	-13.66	2.E-15
P02545	DLEALLNSK	1003.62	1001.54	2.08	2068.12	2.E-15
P33993	LAASIAPEIYGHEDVK	1711.88	1711.88	0.00	-0.44	2.E-15
P61978	IILDLISESPIK	1340.80	1339.80	1.00	749.38	2.E-15
P33991	GLQVDLQSDGAAAEDIVASEQSLGQK	2629.29	2628.29	1.00	380.29	2.E-15
P11142	TVTNAVVTVPAYFNDSQRQATK	2409.23	2409.23	0.00	0.87	2.E-15
P07355	SLYYYIQQDTK	1424.80	1420.69	4.11	2884.73	2.E-15
Q9NR30	DLIAQARTGTGK	1227.67	1229.67	-2.00	-1628.43	2.E-15
Q49A26	(41)AAVSLRLGDLVWGK	1525.86	1525.86	0.00	1.14	2.E-15
P62917	LARASGNyatVISHNPETK	2028.04	2028.04	0.00	-0.31	2.E-15
Q8IVB7	(41)AETAAGVGRFK	1151.52	1147.60	3.92	3403.70	2.E-15
P14136	VRFLEQQNK	1160.63	1160.63	0.00	2.42	2.E-15

P08670	FADLSEAAANRRNDALRQAK	2103.06	2103.05	0.01	2.52	2.E-15
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	1.82	2.E-15
Q12906	VADNLAIQLAAVTEDK	1675.90	1669.89	6.01	3588.74	2.E-15
O60812	VDSLLENLEK	1159.48	1158.61	0.87	752.06	2.E-15
O60812	VDSLLENLEK	1158.61	1158.61	0.00	2.33	2.E-15
Q81Y81	SDDDGFEIVPIEDPAK	1745.80	1745.80	0.00	1.99	2.E-15
P61247	VERADGYEPPVQESV	1673.79	1673.79	0.00	-0.33	3.E-15
P61247	VERADGYEPPVQESV	1673.76	1673.79	-0.03	-18.61	3.E-15
P62917	LARASGNYATVISHNPETK	2028.04	2028.04	0.00	1.57	3.E-15
P07355	SLYYYIQQDTK	1424.80	1420.69	4.11	2884.94	3.E-15
P62081	HVVFIAQRRILPKPTRK	2058.27	2058.27	0.00	0.13	3.E-15
O14639	FPAAQAPDPSETPK	1457.80	1454.70	3.10	2125.17	3.E-15
Q53F64	IFVGGLNPEATEEK	1502.76	1502.76	0.00	2.44	3.E-15
Q02539	SLVSKGTLVQTK	1264.72	1259.74	4.98	3937.47	3.E-15
P06748	VDNDENEHQLSLRTVSLGAGAK	2353.18	2352.17	1.01	427.20	3.E-15

Q09028	TVALWDLRNLK	1327.76	1327.76	0.00	1.59	3.E-15
P14866	NRIQHPSNVLHFFNAPLEVTEENFFEICDELGVK	4041.96	4041.97	-0.01	-3.51	3.E-15
P05783	GLQAQIASSGLTVEVDAPK	1880.94	1883.00	-2.06	-1094.22	3.E-15
P11021	ERIDTRNELESYAYSLK	2086.03	2086.03	0.00	0.16	3.E-15
Q86V81	LLVSNLDFGVSDADIQELFAEFGTLK	2840.45	2840.45	0.00	-0.82	3.E-15
Q86V81	LLVSNLDFGVSDADIQELFAEFGTLK	2840.45	2840.45	0.00	-0.04	3.E-15
P07355	SLYYYIQDTK	1420.69	1420.69	0.00	0.81	3.E-15
O00148	GLAITFVSDENDAK	1482.86	1478.73	4.13	2782.44	4.E-15
P62081	HVVFIAQRRILPKPTRK	2057.18	2058.27	-1.09	-530.79	4.E-15
P61247	LMELHGEGSSSGK	1334.69	1330.62	4.07	3047.69	4.E-15
Q15050	FQPLFGDFAAEK	1369.65	1368.67	0.98	717.80	4.E-15
Q15050	FQPLFGDFAAEK	1368.67	1368.67	0.00	2.00	4.E-15
O60506	DLEGENIEIVFAKPPDQK	2041.04	2041.04	0.00	1.11	4.E-15
P60709	ILTERGYSFTTTAEREIVRDIK	2597.38	2597.38	0.00	1.16	4.E-15
O14639	FPAAQAPDPSETPK	1454.70	1454.70	0.00	2.60	4.E-15

Q6DKI1	TIPLTDNTVIEEHLGK	1786.92	1778.94	7.98	4466.12	4.E-15
P26373	STESLQANVQRLK	1473.77	1472.79	0.98	664.83	4.E-15
P26373	STESLQANVQRLK	1472.79	1472.79	0.00	-0.81	4.E-15
P62736	AGFAGDDAPRAVFPSIVGRPRHQGVVMVGMGQK	3307.69	3307.68	0.01	3.38	4.E-15
P06748	MSVQPTVSLGGFEITPPVVLRLK	2339.29	2467.39	-128.10	-54758.30	4.E-15
P46782	TIAECLADELINAAK	1641.96	1630.82	11.14	6785.05	4.E-15
P46782	TIAECLADELINAAK	1637.00	1630.82	6.18	3778.06	4.E-15
P46782	TIAECLADELINAAK	1636.81	1630.82	5.99	3660.04	4.E-15
Q71U36	VGINYQPPTVVPGGDLAK	1823.99	1823.98	0.01	3.12	4.E-15
P19338	TLVLSNLSYSATEETLQEVFEK	2500.26	2500.26	0.00	-1.41	4.E-15
P05783	GLQAQIASSGLTVEVDAPK	1883.01	1883.00	0.01	3.68	4.E-15
P02545	RQNGDDPLLTYRFPPK	1916.98	1915.99	0.99	514.29	4.E-15
Q6DKI1	TIPLTDNTVIEEHLGK	1786.92	1778.94	7.98	4465.90	5.E-15
Q8NC51	VEFNIRKPNEGADGQWK	1991.90	1986.99	4.91	2463.86	5.E-15
Q8NC51	VEFNIRKPNEGADGQWK	1988.90	1986.99	1.91	960.46	5.E-15

Q8NC51	VEFNIRKPNEGADGQWK	1986.99	1986.99	0.00	2.40	5.E-15
Q53F64	IFVGGLNPEATEEK	1498.80	1502.76	-3.96	-2640.53	5.E-15
P19338	GFGFVDFNSEEDAK	1562.93	1560.67	2.26	1447.52	5.E-15
P61247	LMELHGEGSSSGK	1330.72	1330.62	0.10	74.78	5.E-15
P61247	LMELHGEGSSSGK	1330.62	1330.62	0.00	0.30	5.E-15
P26373	STESLQANVQRLK	1477.76	1472.79	4.97	3361.50	5.E-15
P69905	LRVDPVNFK	1086.62	1086.62	0.00	0.59	5.E-15
P69905	LRVDPVNFK	1086.61	1086.62	-0.01	-10.73	5.E-15
O60812	VDSLLENLEK	1159.48	1158.61	0.87	752.75	5.E-15
O60812	VDSLLENLEK	1158.61	1158.61	0.00	2.16	5.E-15
Q15050	EWLIEVPGNADPLEDQFAK	2170.07	2170.06	0.01	4.06	5.E-15
Q15050	EWLIEVPGNADPLEDQFAK	2170.02	2170.06	-0.04	-19.44	5.E-15
P02545	NIYSEELRETK	1383.70	1380.69	3.01	2175.26	5.E-15
Q9BYG3	(41)ATFSGPAGPILSLNPQEDVEFQK	2486.23	2486.23	0.00	0.08	5.E-15
Q02539	SLVSKGTLVQTK	1259.74	1259.74	0.00	0.89	6.E-15

Q8TDN6	PIEIQWVKPEPK	1466.86	1462.82	4.04	2753.53	6.E-15
Q07021	VEEQPELTSTPNFVVEVIK	2286.16	2286.16	0.00	1.85	6.E-15
P07355	AYTNFDAERDALNIETAIK	2154.07	2154.06	0.01	3.40	6.E-15
O00148	GLAITFVSDENDAK	1479.72	1478.73	0.99	670.56	6.E-15
O00148	GLAITFVSDENDAK	1478.73	1478.73	0.00	1.45	6.E-15
O00148	GLAITFVSDENDAK	1478.73	1478.73	0.00	1.45	6.E-15
O00148	GLAITFVSDENDAK	1478.73	1478.73	0.00	1.45	6.E-15
O00148	GLAITFVSDENDAK	1477.78	1478.73	-0.95	-645.20	6.E-15
Q9NVP1	VPLSEFDFSWSK	1440.69	1440.69	0.00	0.34	6.E-15
P69905	LRVDPVNFK	1086.62	1086.62	0.00	0.96	6.E-15
P69905	LRVDPVNFK	1086.61	1086.62	-0.01	-10.73	6.E-15
P05388	LLPHIRGNVGFVFTK	1697.98	1696.98	1.00	590.79	6.E-15
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	1.78	6.E-15
P62987	IIEPSLRQLAQK	1394.82	1394.82	0.00	0.70	6.E-15
P19338	GFGFVDFNSEEDAK	1561.67	1560.67	1.00	643.14	6.E-15

P23396	KPLPDHVSIVEPK	1459.83	1457.82	2.01	1375.11	6.E-15
P04083	QAWFIENEEQEYVQTVK	2122.98	2140.01	-17.03	-8020.63	6.E-15
P07355	DIISDTSGDFRK	1352.66	1352.66	0.00	2.16	7.E-15
P02545	LESTESRSSFSQHARTSGRVAVEEVDEEGK	3306.57	3306.57	0.00	0.72	7.E-15
P19338	VEGTEPTTAFNLFVGNLNFNK	2312.16	2311.15	1.01	437.11	7.E-15
P62701	VRTDITYPAGFMDVISIDK	2142.18	2140.09	2.09	974.99	7.E-15
P07355	SLYYYIQQDTK	1420.69	1420.69	0.00	0.95	7.E-15
O95816	HATRIIDEVVNK	1393.77	1393.77	0.00	0.41	7.E-15
P62736	AGFAGDDAPRAVFPISVGRPRHQGVMVGMGQK	3307.69	3307.68	0.01	2.41	7.E-15
Q71U36	VGINYQPPTVPPGGDLAK	1820.99	1823.98	-2.99	-1639.88	7.E-15
P62906	NWQNVRALYIK	1403.77	1403.77	0.00	0.89	7.E-15
O43390	YGGPPPDSVYSGVQPGIGTEVFVGK	2506.24	2506.24	0.00	0.70	8.E-15
P46781	HIDFSLRSPYGGGRPGRVK	2098.12	2098.12	0.00	1.62	8.E-15
P02545	NIYSEELRETK	1380.69	1380.69	0.00	0.29	8.E-15
P62987	IIEPSLRQLAQK	1399.81	1394.82	4.99	3565.88	8.E-15

Q15393	KLEDIRTRYAF	1412.69	1410.76	1.93	1363.06	8.E-15
Q15393	KLEDIRTRYAF	1410.76	1410.76	0.00	1.40	8.E-15
Q96DI7	IFQGNVHNFEK	1336.65	1331.66	4.99	3736.55	8.E-15
Q96DI7	IFQGNVHNFEK	1333.79	1331.66	2.13	1600.61	8.E-15
Q96DI7	IFQGNVHNFEK	1331.66	1331.66	0.00	0.66	8.E-15
O95816	HATRIIDEVVNK	1393.75	1393.77	-0.02	-13.66	8.E-15
Q5T6W2	IIPBLEEQHYK	1532.79	1532.79	0.00	2.63	9.E-15
Q5T6W2	IIPBLEEQHYK	1530.83	1532.79	-1.96	-1279.49	9.E-15
P62701	VRTDITYPAGFMDVISIDK	2142.18	2140.09	2.09	974.24	9.E-15
P62701	VRTDITYPAGFMDVISIDK	2140.09	2140.09	0.00	-0.14	9.E-15
P50995	NTPAFFAERLNK	1406.73	1406.73	0.00	2.47	9.E-15
P05388	AIRGHLENNPALEK	1561.84	1560.84	1.00	643.28	9.E-15
P62753	LIEVDDERK	1117.59	1115.58	2.01	1797.24	9.E-15
P16403	ERSGVSLAALKK	1258.75	1257.74	1.01	798.69	9.E-15
P05787	TEISEMNRNISRLQAEIEGLK	2430.26	2430.25	0.01	2.53	9.E-15

P05787	TEISEMNRNISRLQAEIEGLK	2430.22	2430.25	-0.03	-13.19	9.E-15
P02545	NIYSEELRETK	1375.74	1380.69	-4.95	-3600.18	9.E-15
P62906	FLETVELQISLK	1418.80	1418.80	0.00	0.95	1.E-14
P02545	LESTESRSSFSQHARTSGRVAVEEVDEEGK	3306.57	3306.57	0.00	-0.36	1.E-14
P19338	GFGFVDFNSEEDAK	1558.80	1560.67	-1.87	-1201.77	1.E-14
P35659	LLYNRPGTVSSLK	1446.80	1446.82	-0.02	-13.58	1.E-14
Q96JM3	LLEDTLFPSSK	1248.66	1248.66	0.00	1.73	1.E-14
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	-0.06	1.E-14
P16403	ASGPPVSELITK	1197.65	1197.66	-0.01	-12.34	1.E-14
P16403	ERSGVSLAALK	1132.65	1129.65	3.00	2648.93	1.E-14
P08107	AQIHDLVLVGGSTRIPK	1803.04	1803.04	0.00	0.15	1.E-14
P25205	(41)AGTVVLDDELREARQDYLDLDFLDEEDQGIYQSK	3985.86	3985.87	-0.01	-1.47	1.E-14
P26599	NFQNIFFPSATLHLSNIPPSVSEEDLK	2993.52	2993.51	0.01	2.37	1.E-14
P26599	NFQNIFFPSATLHLSNIPPSVSEEDLK	2993.44	2993.51	-0.07	-21.72	1.E-14
P62988	ESTLHLVLRIRGG	1449.84	1449.84	0.00	0.37	1.E-14

Q15050	EWLIEVPGNADPLEDQFAK	2170.07	2170.06	0.01	4.38	1.E-14
P07900	HSQFIGYPITLFVEK	1781.94	1777.94	4.00	2243.69	1.E-14
P07900	HSQFIGYPITLFVEK	1777.94	1777.94	0.00	-0.38	1.E-14
P35659	LLYNRPGTVSSLK	1446.82	1446.82	0.00	1.35	1.E-14
P14136	VRFLEQQNK	1160.63	1160.63	0.00	-0.43	1.E-14
Q9NW64	DRYYGINDPVADK	1528.82	1524.72	4.10	2679.17	1.E-14
Q9NW64	DRYYGINDPVADK	1526.84	1524.72	2.12	1391.27	1.E-14
Q9NW64	DRYYGINDPVADK	1526.81	1524.72	2.09	1367.86	1.E-14
A6NI71	LRVDIRPQLLK	1349.85	1349.85	0.00	-0.43	1.E-14
P08758	TLFGRDLLDDLK	1404.76	1404.76	0.00	0.11	1.E-14
P08758	TLFGRDLLDDLK	1404.73	1404.76	-0.03	-18.33	1.E-14
P23396	GGKPEPPAMPQPVPTA	1572.80	1572.80	0.00	0.27	1.E-14
P02545	NIYSEELRETK	1383.70	1380.69	3.01	2175.33	1.E-14
P62753	LIEVDDERK	1115.58	1115.58	0.00	0.69	1.E-14
P62753	LIEVDDERK	1111.63	1115.58	-3.95	-3550.47	1.E-14

P19338	GFGFVDFNSEEDAK	1560.67	1560.67	0.00	0.57	1.E-14
P20700	EELRELNDR LAVYIDK	1975.04	1975.04	0.00	-0.92	1.E-14
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	-0.40	1.E-14
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	2.15	1.E-14
Q12874	PLQDQNELFGK	1287.65	1287.65	0.00	2.26	1.E-14
Q99848	PGLNVVLEGPCK	1249.74	1249.74	0.00	0.89	1.E-14
Q08945	SDHPGISITDLSK	1368.64	1368.69	-0.05	-35.72	1.E-14
P61247	VERADGYEPPVQESV	1673.79	1673.79	0.00	-0.45	1.E-14
P61247	VERADGYEPPVQESV	1673.76	1673.79	-0.03	-18.61	1.E-14
P16403	ASGPPVSELITK	1193.59	1197.66	-4.07	-3407.17	1.E-14
Q8IWX8	IARLLQLWEK	1268.76	1268.76	0.00	1.05	1.E-14
Q9NW64	DRYYGINDPVADK	1526.75	1524.72	2.03	1329.98	1.E-14
P14136	VRFLEQQNK	1160.63	1160.63	0.00	0.69	2.E-14
P14136	VRFLEQQNK	1160.61	1160.63	-0.02	-13.09	2.E-14
P14136	VRFLEQQNK	1156.65	1160.63	-3.98	-3445.04	2.E-14

P08670	VESLQEEIAFLK	1404.75	1404.75	0.00	0.84	2.E-14
P08670	VESLQEEIAFLK	1404.73	1404.75	-0.02	-12.82	2.E-14
Q562R8	LRVAPEEHPVLLTEAPLNPK	2351.29	2222.24	129.05	54884.20	2.E-14
O43143	IIPLYSTLPPQQQRIFEP PPPK	2688.49	2686.48	2.01	746.44	2.E-14
P07355	SYSPYDMLESIRK	1587.85	1587.76	0.09	56.38	2.E-14
P07355	SYSPYDMLESIRK	1587.76	1587.76	0.00	2.28	2.E-14
Q9H307	(41)AVAVRTLQE QLEK	1525.85	1525.85	0.00	1.37	2.E-14
P46777	AHAAIRENPVYEK	1496.77	1496.77	0.00	2.04	2.E-14
Q9UHX1	LGLPPLTPEQQEALQK	1763.98	1760.97	3.01	1708.06	2.E-14
Q9UHX1	LGLPPLTPEQQEALQK	1760.98	1760.97	0.01	2.89	2.E-14
Q5T6W2	IIP TLEEQHYK	1535.85	1532.79	3.06	1993.90	2.E-14
Q5T6W2	IIP TLEEQHYK	1535.81	1532.79	3.02	1964.59	2.E-14
Q5T6W2	IIP TLEEQHYK	1534.79	1532.79	2.00	1300.20	2.E-14
Q96SI9	VILTSPLIRDELEK	1625.92	1624.94	0.98	601.30	2.E-14
Q9NW64	DRYYGINDPVADK	1524.72	1524.72	0.00	2.33	2.E-14

Q08945	SDHPGISITDLSK	1368.69	1368.69	0.00	0.30	2.E-14
P08758	VLTEIIASRTPEELRAIK	2041.19	2038.18	3.01	1475.02	2.E-14
P09661	KGGPSPGDVEAIK	1255.69	1253.66	2.03	1612.72	2.E-14
P0C0S8	VTIAQGGVLPNIQAVLLPK	1930.16	1930.16	0.00	-0.72	2.E-14
P0C0S8	VTIAQGGVLPNIQAVLLPK	1930.12	1930.16	-0.04	-20.09	2.E-14
Q9H081	QALLAELEEQK	1271.70	1270.68	1.02	803.68	2.E-14
Q9H081	QALLAELEEQK	1271.68	1270.68	1.00	789.46	2.E-14
P16403	ERSGVSLAALK	1132.65	1129.65	3.00	2648.67	2.E-14
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	0.27	2.E-14
P16403	ERSGVSLAALK	1129.64	1129.65	-0.01	-10.71	2.E-14
P16403	ERSGVSLAALK	1125.57	1129.65	-4.08	-3623.50	2.E-14
P02545	NIYSEELRETK	1380.69	1380.69	0.00	-0.07	2.E-14
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	0.16	2.E-14
O43390	IPRDLYEDELVPLFEK	1975.03	1975.03	0.00	-1.77	2.E-14
P49736	IFASIAPSIYGHEDIK	1759.92	1759.91	0.01	4.12	2.E-14

Q9NVP1	NLQCLVIDEADRILDVGFEEELK	2717.37	2717.36	0.01	2.56	2.E-14
P02545	EGDLIAAQARLK	1283.72	1283.72	0.00	2.25	2.E-14
P04083	ALTGHLEEVVLALLK	1604.95	1604.95	0.00	0.88	2.E-14
Q86V81	LLVSNLDFGVSDADIQELFAEFGTLK	2841.45	2840.45	1.00	352.24	2.E-14
P07355	DIISDTSGDFRK	1353.70	1352.66	1.04	766.95	2.E-14
P07355	DIISDTSGDFRK	1352.66	1352.66	0.00	2.67	2.E-14
P46781	QVVNIPSFIVRLDSQK	1825.01	1842.04	-17.03	-9328.88	2.E-14
P63261	(44)EEEIAALVIDNGSGMCK	1890.87	1876.85	14.02	7414.94	2.E-14
P63261	(44)EEEIAALVIDNGSGMCK	1890.83	1876.85	13.98	7395.78	2.E-14
P62701	GRFAVHRITPEEAK	1609.87	1609.87	0.00	0.97	3.E-14
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	0.27	3.E-14
Q09666	GEGPEVDVNLPK	1255.71	1252.63	3.08	2449.38	3.E-14
Q09666	GEGPEVDVNLPK	1252.63	1252.63	0.00	2.00	3.E-14
Q09666	GEGPEVDVNLPK	1251.62	1252.63	-1.01	-809.59	3.E-14
P04083	ALTGHLEEVVLALLK	1604.95	1604.95	0.00	0.88	3.E-14

Q9UKX7	LQQUESTFLFHGNK	1547.77	1547.77	0.00	2.31	3.E-14
P50995	NTPAFFAERLNK	1406.73	1406.73	0.00	2.26	3.E-14
Q08945	SDHPGISITDLSK	1371.70	1368.69	3.01	2195.83	3.E-14
Q08945	SDHPGISITDLSK	1366.67	1368.69	-2.02	-1481.33	3.E-14
P62701	VRTDITYPAGFMDVISIDK	2142.18	2140.09	2.09	974.71	3.E-14
Q07020	ILTFDQLALDSPK	1459.79	1459.79	0.00	-0.15	3.E-14
Q07020	ILTFDQLALDSPK	1459.77	1459.79	-0.02	-15.22	3.E-14
Q07020	ILTFDQLALDSPK	1459.75	1459.79	-0.04	-30.02	3.E-14
P49736	VAVGELTDEDVK	1273.64	1273.64	0.00	1.47	3.E-14
Q08211	NFLYAWCGK	1160.64	1157.53	3.11	2678.44	3.E-14
Q08211	NFLYAWCGK	1157.53	1157.53	0.00	1.13	3.E-14
Q08211	NFLYAWCGK	1155.60	1157.53	-1.93	-1671.33	3.E-14
Q15029	TATITEPRGNEEAQIFRPLK	2270.21	2270.20	0.01	2.31	3.E-14
P61313	AIRRNPDQTWITK	1597.87	1597.87	0.00	-0.10	3.E-14
P61313	AIRRNPDQTWITK	1597.84	1597.87	-0.03	-16.74	3.E-14

P23396	GGKPEPPAMPQPVPTA	1569.78	1572.80	-3.02	-1926.76	3.E-14
P23396	GGKPEPPAMPQPVPTA	1569.70	1572.80	-3.10	-1972.97	3.E-14
P36578	AFRNIPGITLLNVSK	1641.96	1641.96	0.00	1.65	3.E-14
P36578	AFRNIPGITLLNVSK	1641.94	1641.96	-0.02	-10.11	3.E-14
Q9BQ39	VLVLAPTRELANQVAK	1721.02	1721.02	0.00	0.17	3.E-14
Q9H307	(41)AVAVRTLQEQLEK	1528.81	1525.85	2.96	1934.44	3.E-14
Q02539	SLVSKGTLVQTK	1259.74	1259.74	0.00	0.96	3.E-14
Q8TAQ2	VERDIGEGNLSTAAAAALAAAVK	2268.21	2268.21	0.00	0.04	3.E-14
P09651	RGFAFVTFDDHDSVDK	1854.85	1854.85	0.00	2.25	3.E-14
P09651	RGFAFVTFDDHDSVDK	1850.86	1854.85	-3.99	-2157.29	3.E-14
P14866	SERSSSGLLEWESK	1596.86	1593.76	3.10	1942.78	3.E-14
P14866	SERSSSGLLEWESK	1593.76	1593.76	0.00	2.92	3.E-14
Q96SI9	VILTSPLIRDELEK	1624.94	1624.94	0.00	0.41	3.E-14
Q96SI9	VILTSPLIRDELEK	1622.95	1624.94	-1.99	-1228.34	3.E-14
Q96SI9	VILTSPLIRDELEK	1622.88	1624.94	-2.06	-1270.36	3.E-14

P62736	AGFAGDDAPRAVFPISIVGRPRHQGVMVGMGQK	3307.69	3307.68	0.01	3.05	4.E-14
O14979	VFVGGLSPDTSEEQIK	1704.87	1704.86	0.01	3.23	4.E-14
O14979	VFVGGLSPDTSEEQIK	1704.83	1704.86	-0.03	-16.89	4.E-14
P0C0S8	VTIAQGGVLPNIQAVLLPK	1930.16	1930.16	0.00	0.58	4.E-14
P0C0S8	VTIAQGGVLPNIQAVLLPK	1930.12	1930.16	-0.04	-20.35	4.E-14
P61313	FFEVLIDPFHK	1503.81	1503.81	0.00	-0.30	4.E-14
P16403	ERSGVSLAALK	1125.57	1129.65	-4.08	-3623.32	4.E-14
Q6P5A3	TLLSRIAENLPK	1353.80	1353.80	0.00	0.83	4.E-14
Q9H6F5	AEVVQVIRNPAK	1322.77	1322.77	0.00	2.57	4.E-14
Q9H6F5	AEVVQVIRNPAK	1322.71	1322.77	-0.06	-41.66	4.E-14
P62701	VRTDITYPAGFMDVISIDK	2140.09	2140.09	0.00	0.42	4.E-14
O75934	HIQDLNWQRK	1337.69	1336.70	0.99	740.90	4.E-14
P09651	GGNFGGRSSGPYGGGGQYFAK	2022.93	2019.92	3.01	1490.26	4.E-14
Q02539	SLVSKGTLVQTK	1264.72	1259.74	4.98	3937.63	4.E-14
Q02539	SLVSKGTLVQTK	1264.62	1259.74	4.88	3859.26	4.E-14

P42566	(41)AAAAQLSLTQLSSGNPVYEK	2090.10	2089.07	1.03	493.68	4.E-14
P26373	LILFPRKPSAPK	1365.85	1365.85	0.00	0.44	4.E-14
P32969	DELILEGNDIELVSNAAALIQQATTVK	2883.51	2883.51	0.00	0.57	4.E-14
P09661	IPVIENLGATLDQFDAIDFSDNEIRK	2934.49	2932.48	2.01	684.80	4.E-14
P68104	IGGIGTVPVGRVETGVLKPGMVVTFAPVNVTTTEVK	3536.98	3520.97	16.01	4525.36	4.E-14
Q8WYN9	(49)MIPPDQQLIFAGK	1649.90	1654.89	-4.99	-3027.41	4.E-14
Q9HC52	ELPDPSQRPLGEPGAGLGEYLK	2352.21	2352.20	0.01	3.07	4.E-14
P08107	AQIHDLVLVGGSTRIPK	1803.04	1803.04	0.00	0.21	5.E-14
Q9BTD8	(41)AGAGPAPGLPGAGGPVVPGGAGIPGK	2217.20	2217.19	0.01	4.27	5.E-14
Q96IZ7	ARLQLVLEAAK	1281.78	1281.78	0.00	2.31	5.E-14
P62081	VETFSGVYK	1028.52	1028.52	0.00	1.12	5.E-14
P62081	VETFSGVYK	1028.51	1028.52	-0.01	-10.64	5.E-14
P20700	DAALATALGDKK	1176.61	1172.64	3.97	3373.45	5.E-14
P20700	DAALATALGDKK	1172.64	1172.64	0.00	2.16	5.E-14
P09661	KGGPSPGDVEAIK	1255.69	1253.66	2.03	1612.96	5.E-14

P02545	AGQVVTIWAAGAGATHSPPTDLVWK	2532.31	2532.31	0.00	0.50	5.E-14
P51991	RAVSREDSVKPGAHLTVK	1949.08	1949.08	0.00	0.97	5.E-14
O43390	VLFVRNLATTVTEEILEK	2074.17	2074.17	0.00	-1.09	5.E-14
P20700	ESRACLERIQELEDLLAK	2172.12	2172.12	0.00	0.12	5.E-14
O60506	ALLERTGYTLDVTTGQRK	2025.07	2021.09	3.98	1967.08	6.E-14
O60506	ALLERTGYTLDVTTGQRK	2021.93	2021.09	0.84	417.21	6.E-14
P62906	FLETVELQISLK	1418.80	1418.80	0.00	1.16	6.E-14
O75934	HIQDLNWQRK	1336.70	1336.70	0.00	1.04	6.E-14
Q09028	TVALWDLRNLK	1327.76	1327.76	0.00	1.81	6.E-14
P20700	LLEGEEERLK	1217.63	1214.65	2.98	2451.03	6.E-14
P09651	RAVSREDSQRPGAHLTVK	2006.08	2006.08	0.00	0.78	6.E-14
P08758	(41)AQLRGTVTDFPGFDERADAETLRK	2837.37	2833.44	3.93	1384.83	6.E-14
P08758	(41)AQLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	1.08	6.E-14
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	0.24	6.E-14
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	2.28	6.E-14

P22626	IDTIEIITDRQSGK	1585.77	1587.85	-2.08	-1314.18	6.E-14
P16403	ERSGVSLAALK	1131.66	1129.65	2.01	1773.69	6.E-14
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	0.27	6.E-14
P16403	ERSGVSLAALK	1129.64	1129.65	-0.01	-11.50	6.E-14
O60812	LKGDDLQAIK	1099.62	1099.62	0.00	0.28	6.E-14
O60812	LKGDDLQAIK	1099.61	1099.62	-0.01	-11.91	6.E-14
Q14978	RGAAGDWGERANQVLK	1727.90	1726.89	1.01	582.57	6.E-14
Q92922	AALEEF SRVREEVPLELVEAHVK	2651.42	2649.41	2.01	756.37	6.E-14
P62701	GNKPWISLPRGK	1353.69	1351.77	1.92	1419.80	7.E-14
P62701	GNKPWISLPRGK	1351.77	1351.77	0.00	0.72	7.E-14
Q96125	KSDSNPLTEILK	1345.74	1343.73	2.01	1494.40	7.E-14
Q96125	KSDSNPLTEILK	1344.68	1343.73	0.95	709.37	7.E-14
Q96125	KSDSNPLTEILK	1343.73	1343.73	0.00	2.96	7.E-14
O60506	IPRDLFEDELVPLFEK	1959.04	1959.04	0.00	-0.24	7.E-14
P39023	LDWARERLEQQVPVNQVFGQDEMIDVIGVTK	3616.98	3611.84	5.14	1419.79	7.E-14

P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2837.37	2833.44	3.93	1384.05	7.E-14
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	1.01	7.E-14
P62241	ELEFYLRK	1096.59	1096.59	0.00	0.30	7.E-14
P46782	TIAECLADELINAAGSSNSYAIK	2446.35	2538.26	-91.91	-37569.90	7.E-14
O60264	QTELFHFHQPAQK	1727.90	1727.90	0.00	2.27	7.E-14
P07910	ME(37)SEGGADD(37)SAEEGDLLDDDDNEDRGDDQLELIK	3885.45	3869.45	16.00	4116.95	8.E-14
Q02878	AIPQLQGYLRVVFALTNGIYPHK	2585.41	2585.41	0.00	0.51	8.E-14
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	0.69	9.E-14
P04792	LATQSNEITIPVTFESRAQLGGPEAAK	2837.36	2827.47	9.89	3486.71	9.E-14
O75643	(41)ADVARSQYQYK	1585.79	1584.78	1.01	633.94	1.E-13
P20700	HETRLVEVDSGRQIEYQYK	2351.17	2350.16	1.01	427.57	1.E-13
P02545	LALDMEIHAYRK	1458.77	1458.77	0.00	0.69	1.E-13
Q8WVM7	YYNDYGDIIK	1262.58	1262.58	0.00	1.34	1.E-13
P20700	LLEGEERLK	1214.65	1214.65	0.00	2.28	1.E-13
P20700	LLEGEERLK	1214.57	1214.65	-0.08	-65.48	1.E-13

Q09028	TVALWDLRNLK	1327.76	1327.76	0.00	1.81	1.E-13
Q09028	TVALWDLRNLK	1327.74	1327.76	-0.02	-12.35	1.E-13
P02545	RQNGDDPLLTYRFPPK	1916.98	1915.99	0.99	514.50	1.E-13
P16403	(51)SETAAPAAAPPAEK	1520.79	1519.75	1.04	680.68	1.E-13
P16403	(51)SETAAPAAAPPAEK	1520.71	1519.75	0.96	631.86	1.E-13
P16403	(51)SETAAPAAAPPAEK	1519.78	1519.75	0.03	19.85	1.E-13
P16403	(51)SETAAPAAAPPAEK	1519.75	1519.75	0.00	-1.14	1.E-13
P16403	(51)SETAAPAAAPPAEK	1519.72	1519.75	-0.03	-17.06	1.E-13
P16403	(51)SETAAPAAAPPAEK	1519.70	1519.75	-0.05	-31.80	1.E-13
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	1.64	1.E-13
P60709	YPIE(317)HGIVTNWDDMEK	1975.90	1959.90	16.00	8097.77	1.E-13
P16403	(51)SETAAPAAAPPAEK	1519.75	1519.75	0.00	-0.28	1.E-13
P62917	LARASGNYATVISHNPETK	2028.04	2028.04	0.00	0.28	1.E-13
P05787	LVSESSDVLPK	1176.61	1172.63	3.98	3383.50	1.E-13
P05787	LVSESSDVLPK	1175.53	1172.63	2.90	2469.14	1.E-13

P84090	IYVLLRRQAQQAGK	1642.96	1642.96	0.00	0.50	1.E-13
P16403	(51)SETAPAAPAAAPPAEK	1519.70	1519.75	-0.05	-32.46	1.E-13
Q9C0B5	AQPGVSETEEVALQPLLTPK	2114.53	2106.12	8.41	3978.89	1.E-13
P16403	ERSGVSLAALKK	1258.75	1257.74	1.01	798.53	2.E-13
P05787	LVSESSDVLPK	1173.65	1172.63	1.02	872.88	2.E-13
P05787	LVSESSDVLPK	1173.62	1172.63	0.99	843.34	2.E-13
P05787	LVSESSDVLPK	1172.64	1172.63	0.01	6.27	2.E-13
P05787	LVSESSDVLPK	1172.60	1172.63	-0.03	-24.60	2.E-13
P07355	GRRAEDGSVIDYELIDQDARDLYDAGVK	3138.53	3138.52	0.01	1.81	2.E-13
P02545	ERARLQLELSK	1341.77	1341.77	0.00	-0.61	2.E-13
P02545	ERARLQLELSK	1341.75	1341.77	-0.02	-14.03	2.E-13
P02545	AGQVVTIWAAGAGATHSPPTDLVWK	2532.31	2532.31	0.00	-0.14	2.E-13
P11021	VTHAVVTVPAYFNDAQRQATK	2315.20	2315.20	0.00	-0.04	2.E-13
P02545	NIYSEELRETK	1383.70	1380.69	3.01	2175.04	2.E-13
P32969	TILSNQTVDIPENVDTLTK	2112.13	2112.13	0.00	0.10	2.E-13

P32969	TILSNQTVDIPENV DITLK	2112.08	2112.13	-0.05	-22.72	2.E-13
P61247	LMELHGE GSSSGK	1334.69	1330.62	4.07	3048.06	2.E-13
P07910	LKGDDLQAIKK	1231.62	1227.72	3.90	3169.84	2.E-13
P07910	LKGDDLQAIKK	1227.72	1227.72	0.00	0.44	2.E-13
P08670	VESLQEEI AFLK	1404.75	1404.75	0.00	2.12	2.E-13
P0C0S8	TRIIPRHLQLAIRNDEELNK	2428.37	2428.37	0.00	0.89	2.E-13
P09651	GGNFGGRSSGPYGGGGQYFAK	1891.83	2019.92	-128.09	-67706.20	2.E-13
Q9Y265	TALALIAQELGSK	1384.79	1384.79	0.00	2.71	2.E-13
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	2.13	2.E-13
P16403	ERSGVSLAALK	1127.57	1129.65	-2.08	-1843.52	2.E-13
P50995	TPVLFDIYEIK	1340.80	1336.73	4.07	3038.91	2.E-13
P50995	TPVLFDIYEIK	1336.73	1336.73	0.00	2.15	2.E-13
P09661	KGGPSPGDVEAIK	1253.66	1253.66	0.00	0.62	2.E-13
P09661	KGGPSPGDVEAIK	1248.68	1253.66	-4.98	-3991.84	2.E-13
P50995	NTPAFFAERLNK	1406.73	1406.73	0.00	2.61	2.E-13

P62701	VNDTIQIDLETGK	1445.75	1444.74	1.01	695.48	2.E-13
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2837.37	2833.44	3.93	1384.83	2.E-13
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	1.68	2.E-13
P08729	LEAAIAEAEERGELALK	1807.93	1811.96	-4.03	-2229.86	2.E-13
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	-0.75	2.E-13
P61978	ALRTDYNASVSPDSSGPERILSISADIETIGEILK	3815.97	3815.98	-0.01	-2.60	2.E-13
P16403	(51)SETAPAAPAAAPPAEK	1519.75	1519.75	0.00	-1.14	2.E-13
P16403	(51)SETAPAAPAAAPPAEK	1519.72	1519.75	-0.03	-17.12	2.E-13
P09661	TFNPGAGLPTDK	1216.61	1216.61	0.00	0.18	2.E-13
P20700	EELRELNDR LAVYIDK	1975.04	1975.04	0.00	-0.56	2.E-13
P11142	SQIHDIVLVGGSTRIPK	1819.03	1819.03	0.00	0.20	2.E-13
P50914	MTDFDRFK	1062.64	1058.49	4.15	3901.35	2.E-13
P61247	LMELHGE GSSSGK	1332.63	1330.62	2.01	1506.13	2.E-13
P61247	LMELHGE GSSSGK	1330.66	1330.62	0.04	30.21	2.E-13
P61247	LMELHGE GSSSGK	1330.62	1330.62	0.00	0.45	2.E-13

Q9NW64	DRYYGINDPVADK	1526.75	1524.72	2.03	1330.38	2.E-13
P02545	NIYSEELRETK	1381.69	1380.69	1.00	726.72	2.E-13
Q9Y3T9	ERLEDLNFPEIK	1506.76	1501.78	4.98	3305.95	2.E-13
P09661	TFNPGAGLPTDKK	1344.70	1344.70	0.00	1.54	2.E-13
P09661	TFNPGAGLPTDKK	1341.64	1344.70	-3.06	-2281.26	2.E-13
P61254	FNPFVTSDRSK	1296.65	1296.65	0.00	2.75	2.E-13
Q562R8	LRVAPEEHPVLLTEAPLNPK	2351.29	2222.24	129.05	54883.30	2.E-13
P12956	KQELLEALTK	1176.67	1171.68	4.99	4241.19	2.E-13
P12956	KQELLEALTK	1176.66	1171.68	4.98	4229.00	2.E-13
Q86V81	LLVSNLDFGVSDADIQELFAEFGTLK	2840.45	2840.45	0.00	1.29	3.E-13
P02545	NIYSEELRETK	1380.69	1380.69	0.00	-0.14	3.E-13
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	2.24	3.E-13
P11142	SQIHDIVLVGGSTRIPK	1820.98	1819.03	1.95	1070.77	3.E-13
P11142	SQIHDIVLVGGSTRIPK	1819.03	1819.03	0.00	-1.01	3.E-13
P11142	SQIHDIVLVGGSTRIPK	1820.99	1819.03	1.96	1073.79	3.E-13

P16401	ATGPPVSELITK	1215.63	1211.68	3.95	3248.19	3.E-13
P50914	MTDFDRFK	1058.49	1058.49	0.00	1.03	3.E-13
P50914	MTDFDRFK	1057.62	1058.49	-0.87	-824.12	3.E-13
P11142	SINPDEAVAYGAAVQAAILSGDK	2259.14	2259.14	0.00	-0.33	3.E-13
Q9NW64	DRYYGINDPVADK	1526.84	1524.72	2.12	1391.60	3.E-13
Q9NW64	DRYYGINDPVADK	1526.81	1524.72	2.09	1367.59	3.E-13
Q9NW64	DRYYGINDPVADK	1524.72	1524.72	0.00	2.59	3.E-13
P02545	NIYSEELRETK	1382.70	1380.69	2.01	1454.12	3.E-13
P04792	LATQSNEITIPVTFESRAQLGGPEAAK	2827.47	2827.47	0.00	1.40	3.E-13
P08729	LEAAIAEAEERGELALK	1811.97	1811.96	0.01	3.29	3.E-13
Q8IY18	HIEELQQALIVK	1424.70	1419.81	4.89	3430.04	3.E-13
P39023	PVHLTAFLGYK	1244.69	1244.69	0.00	2.72	4.E-13
Q9Y3T9	ERLEDLNFPEIK	1505.78	1501.78	4.00	2655.16	4.E-13
P11142	SQIHDLVGGSTRIPK	1819.03	1819.03	0.00	0.31	4.E-13
O60812	LKGDDLQAIK	1099.62	1099.62	0.00	0.46	4.E-13

O60812	LKGDDLQAIK	1099.61	1099.62	-0.01	-12.36	4.E-13
P11021	LYGSAGPPPTGEEDTAEK	1817.83	1817.83	0.00	1.32	4.E-13
P62081	AQLRELNITAAK	1328.77	1326.76	2.01	1510.70	4.E-13
P62081	AQLRELNITAAK	1326.76	1326.76	0.00	0.58	4.E-13
Q92841	APILIATDVASRGLDVEDVK	2081.14	2081.14	0.00	0.92	4.E-13
Q08211	ETPFELIEALLK	1396.89	1401.78	-4.89	-3500.35	4.E-13
P16401	ATGPPVSELITK	1216.61	1211.68	4.93	4054.94	4.E-13
P16401	ATGPPVSELITK	1211.68	1211.68	0.00	-0.27	4.E-13
P16401	ATGPPVSELITK	1211.65	1211.68	-0.03	-22.47	4.E-13
P16401	ATGPPVSELITK	1211.55	1211.68	-0.13	-111.28	4.E-13
P22626	IDTIEIITDRQSGK	1587.86	1587.85	0.01	3.29	4.E-13
P22626	IDTIEIITDRQSGK	1587.77	1587.85	-0.08	-50.43	4.E-13
P09651	RGFAFVTFDDHDSVDK	1854.85	1854.85	0.00	1.87	4.E-13
P02545	SNEDQSMGNWQIK	1534.81	1535.67	-0.86	-557.50	4.E-13
Q9Y224	AIRILVQERLTQDAVAK	1923.13	1923.13	0.00	-0.05	4.E-13

P60709	ILTERGYSFTTTAEREIVRDIK	2597.38	2597.38	0.00	1.05	5.E-13
P11142	SQIHDLVVGSTRIK	1820.98	1819.03	1.95	1073.24	5.E-13
Q09161	DGVLEEQIERLQEK	1684.86	1684.86	0.00	0.33	5.E-13
P46777	GAVDGGLSIPHSTK	1341.64	1337.69	3.95	2944.38	5.E-13
P62917	LARASGNYATVISHNPETK	2028.04	2028.04	0.00	0.43	5.E-13
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	1.68	5.E-13
P04264	SLNNQFASFIDK	1382.68	1382.68	0.00	2.95	5.E-13
P04264	SLNNQFASFIDK	1380.77	1382.68	-1.91	-1381.84	5.E-13
O15042	NPPNQSSNERPPSLLVIETK	2219.15	2219.15	0.00	1.04	5.E-13
Q9Y3T9	ERLEDLNFPEIK	1501.78	1501.78	0.00	-0.28	5.E-13
Q7L014	ALELSGTAVPPDLEK	1539.83	1538.82	1.01	652.77	6.E-13
P08107	AQIHDLVVGSTRIK	1803.04	1803.04	0.00	-0.85	6.E-13
Q00839	LNTLLQRAPQCLGK	1610.89	1610.89	0.00	1.29	6.E-13
Q00839	LNTLLQRAPQCLGK	1607.74	1610.89	-3.15	-1962.28	6.E-13
Q13838	(41)AENDVDNELLDYEDDEVETAAGGDGAEAPAKK	3391.48	3391.47	0.01	2.87	6.E-13

O43390	IPRDLYEDELVPLFEK	1975.03	1975.03	0.00	-1.06	6.E-13
O43660	QYPANQGQEVEYFVAGTHPYPPGPGVALTADTK	3501.70	3501.68	0.02	5.76	6.E-13
P02545	SNEDQSMGNWQIK	1535.67	1535.67	0.00	0.16	6.E-13
P46782	YLPHSAGRYAAK	1332.69	1332.69	0.00	0.87	6.E-13
P46782	YLPHSAGRYAAK	1331.64	1332.69	-1.05	-791.24	6.E-13
P22626	SGNFGGSRNMGGPYGGGNYGPGGSGGSGGYGGRSRY	3373.44	3357.44	16.00	4743.91	6.E-13
P05549	SNSNAVSAIPINK	1313.69	1313.69	0.00	3.11	6.E-13
P11142	STAGDTHLGGEDFDNRMVNHFIAEFK	2917.36	2907.32	10.04	3441.65	6.E-13
P51991	RGFAFVTFDDHDTVDK	1868.87	1868.87	0.00	-1.38	6.E-13
Q15393	LGAVFNQVAFPLQYTPRK	2048.12	2048.12	0.00	0.83	6.E-13
O60506	IPRDLFEDELVPLFEK	1959.04	1959.04	0.00	0.68	7.E-13
P08107	LLQDFFNGRDLNK	1579.82	1578.82	1.00	633.48	7.E-13
P08107	LLQDFFNGRDLNK	1579.81	1578.82	0.99	623.80	7.E-13
P08107	LLQDFFNGRDLNK	1579.81	1578.82	0.99	623.80	7.E-13
P08107	LLQDFFNGRDLNK	1578.82	1578.82	0.00	0.75	7.E-13

Q09028	TVALWDLRNLK	1327.76	1327.76	0.00	2.26	7.E-13
Q92499	TGAFSIPVIQIVYETLK	1878.05	1878.05	0.00	0.47	7.E-13
Q92499	TGAFSIPVIQIVYETLK	1878.01	1878.05	-0.04	-19.55	7.E-13
P02545	LESTESRSSFSQHARTSGRVAVEEVDEEGK	3306.57	3306.57	0.00	-1.30	7.E-13
Q02539	ALAAAGYDVEK	1106.56	1106.56	0.00	1.67	7.E-13
P16403	ASGPPVSELITK	1198.60	1197.66	0.94	788.27	8.E-13
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	1.86	8.E-13
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	0.89	8.E-13
Q08211	ETPFELIEALLK	1401.78	1401.78	0.00	1.86	8.E-13
P02545	LESTESRSSFSQHARTSGRVAVEEVDEEGK	3306.57	3306.57	0.00	-0.64	9.E-13
P61254	FNPFVTSDRSK	1296.65	1296.65	0.00	3.83	9.E-13
P09651	RGFAFVTFDDHDSVDK	1850.86	1854.85	-3.99	-2156.09	9.E-13
Q13435	LIHGDLYYEGK	1407.70	1407.70	0.00	1.20	9.E-13
P08107	AQIHDLVLVGGSTRIPK	1803.04	1803.04	0.00	0.15	9.E-13
P08133	DAYERDLEADIIGDTSGHFQK	2379.10	2379.10	0.00	-0.52	9.E-13

P46781	QVWNIPSFIVRLDSQK	1825.01	1842.04	-17.03	-9329.38	9.E-13
P14136	VRFLEQQNK	1160.63	1160.63	0.00	2.24	9.E-13
P20700	HETRLVEVDSGRQIEYEEK	2354.21	2350.16	4.05	1720.58	9.E-13
P62136	LNLDSIIGRLLEVQGSRPVK	2164.23	2164.23	0.00	-0.49	9.E-13
Q9BQG0	ARLSLVIRSPSLQSGAK	1895.13	1895.13	0.00	1.64	1.E-12
Q08211	ETPFELIEALLK	1402.76	1401.78	0.98	700.48	1.E-12
Q9H307	(41)AVAVRTLQEQLK	1525.85	1525.85	0.00	1.10	1.E-12
P62081	DVNFEFPEFQL	1383.63	1383.63	0.00	-0.40	1.E-12
P62081	DVNFEFPEFQL	1383.61	1383.63	-0.02	-15.15	1.E-12
P62753	LIEVDDERK	1120.57	1115.58	4.99	4456.97	1.E-12
P07910	MESEGGADD(37)SAEEGDLLDDDDNEDRGDDQLELIK	3805.47	3789.48	15.99	4202.03	1.E-12
P62701	VNDTIQIDLETGK	1444.74	1444.74	0.00	1.17	1.E-12
P09661	IPVIENLGATLDQFDAIDFSDNEIRK	2932.48	2932.48	0.00	-1.45	1.E-12
P62753	LIEVDDERK	1115.58	1115.58	0.00	0.16	1.E-12
Q14684	TPTSSPASSPLVAK	1343.68	1341.71	1.97	1469.18	1.E-12

P12956	KQELLEALTK	1171.68	1171.68	0.00	0.58	1.E-12
Q99848	PGLNVVLEGPK	1121.64	1121.64	0.00	1.05	1.E-12
Q99848	PGLNVVLEGPK	1121.63	1121.64	-0.01	-12.33	1.E-12
P46781	AARELLTLDEK	1261.70	1257.69	4.01	3175.29	1.E-12
P14136	VRFLEQQNK	1161.62	1160.63	0.99	851.06	1.E-12
P43243	ITPENLPQILLQLK	1618.97	1618.97	0.00	0.58	1.E-12
P43243	ITPENLPQILLQLK	1618.94	1618.97	-0.03	-15.73	1.E-12
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	2.19	1.E-12
Q14683	AESLIGVYPEQGDCVISK	1963.96	1963.96	0.00	2.11	1.E-12
P02545	NIYSEELRETK	1383.70	1380.69	3.01	2173.10	1.E-12
P20700	HETRLVEVDSGRQIEYEEK	2350.19	2350.16	0.03	13.49	1.E-12
P20700	HETRLVEVDSGRQIEYEEK	2350.16	2350.16	0.00	-1.02	1.E-12
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	-0.73	1.E-12
P16403	ASGPPVSELITK	1197.65	1197.66	-0.01	-11.92	1.E-12
P16403	ASGPPVSELITK	1197.63	1197.66	-0.03	-21.02	1.E-12

P16403	ASGPPVSELITK	1195.55	1197.66	-2.11	-1768.04	1.E-12
P08758	TLFGRDLLDDLK	1404.76	1404.76	0.00	0.32	1.E-12
P14136	VRFLEQQNK	1160.63	1160.63	0.00	0.35	1.E-12
P07355	TPAQYDASELK	1221.59	1221.59	0.00	2.36	1.E-12
P07355	TPAQYDASELK	1220.70	1221.59	-0.89	-726.89	1.E-12
Q9Y5B9	AASITSEVFNK	1169.65	1165.60	4.05	3462.17	1.E-12
Q9Y5B9	AASITSEVFNK	1165.60	1165.60	0.00	2.16	1.E-12
Q9BV38	INRDLDFDFSTRFITRPAK	2196.19	2196.18	0.01	2.40	1.E-12
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	-0.71	1.E-12
P61247	VERADGYEPPVQESV	1673.79	1673.79	0.00	-0.33	1.E-12
P61247	VERADGYEPPVQESV	1673.76	1673.79	-0.03	-18.61	1.E-12
Q08211	ILTTEGRNALIHK	1462.76	1464.84	-2.08	-1419.25	1.E-12
P07305	GVGASGSFRLAK	1155.70	1148.63	7.07	6116.49	1.E-12
P62701	DANGNSFATRLSNIFVIGK	2024.03	2023.05	0.98	485.88	2.E-12
P62753	LIEVDDERK	1115.58	1115.58	0.00	0.78	2.E-12

P62753	LIEVDDERK	1111.63	1115.58	-3.95	-3549.84	2.E-12
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	0.28	2.E-12
Q02539	SLVSKGTLVQTK	1264.72	1259.74	4.98	3937.08	2.E-12
Q02539	SLVSKGTLVQTK	1264.62	1259.74	4.88	3857.21	2.E-12
Q02539	SLVSKGTLVQTK	1259.74	1259.74	0.00	0.96	2.E-12
P62753	LIEVDDERK	1115.58	1115.58	0.00	0.52	2.E-12
P02545	AGQVVTIWAAGAGATHSPPTDLVWK	2533.31	2532.31	1.00	395.43	2.E-12
P61978	ALRTDYNASVSPDSSGPERILSISADIETIGEILK	3815.97	3815.98	-0.01	-3.77	2.E-12
P62701	VNDTIQIDLETGK	1443.88	1444.74	-0.86	-599.02	2.E-12
P07355	GLGTDEDSLIEIICSRTNQELQEINRVYK	3406.71	3392.69	14.02	4114.34	2.E-12
P07355	GLGTDEDSLIEIICSRTNQELQEINRVYK	3395.70	3392.69	3.01	886.16	2.E-12
P05787	WSLLQQQK	1031.57	1029.56	2.01	1947.59	2.E-12
P05787	WSLLQQQK	1029.56	1029.56	0.00	2.40	2.E-12
P46781	AARELLTLDEK	1259.71	1257.69	2.02	1601.21	2.E-12
Q14157	GGSTTGSQFLEQFK	1481.87	1485.71	-3.84	-2590.68	2.E-12

Q08211	ILTTEGRNALIHK	1464.84	1464.84	0.00	2.98	2.E-12
Q08211	ILTTEGRNALIHK	1464.74	1464.84	-0.10	-65.97	2.E-12
Q08211	ILTTEGRNALIHK	1464.62	1464.84	-0.22	-148.05	2.E-12
Q9Y265	TISHVIIGLK	1084.57	1079.67	4.90	4516.49	2.E-12
Q9NYF8	DRLLASTLVHSVK	1437.83	1437.83	0.00	1.44	2.E-12
P19388	IIRPSETAGRYITYRLVQ	2135.19	2135.19	0.00	0.33	2.E-12
Q09028	TVALWDLRNLK	1327.76	1327.76	0.00	2.87	2.E-12
Q16576	GEFGGFGSVTGK	1141.62	1141.54	0.08	65.91	2.E-12
Q16576	GEFGGFGSVTGK	1141.54	1141.54	0.00	2.14	2.E-12
O75526	SRGFAFVTFESPADAK	1728.85	1728.85	0.00	2.61	2.E-12
P09012	EVRLVPGRHDIAFVEFDNEVQAGAARDALQGFK	3653.87	3653.87	0.00	0.88	2.E-12
Q96GM8	RALLNLPGTQTSGEAK	1654.90	1654.90	0.00	2.90	2.E-12
P02545	NIYSEELRETK	1380.69	1380.69	0.00	-0.43	2.E-12
P50995	NTPAFFAERLNK	1406.73	1406.73	0.00	2.61	2.E-12
P02545	NIYSEELRETK	1380.69	1380.69	0.00	-0.36	2.E-12

P02545	RQNGDDPLLTYRFPPK	1916.98	1915.99	0.99	514.34	2.E-12
Q04695	VRALEEANTELEVK	1599.85	1599.85	0.00	2.83	2.E-12
O43390	YGGPPPDSVYSGVQPGIGTEVFGK	2506.24	2506.24	0.00	0.98	2.E-12
P62753	LIEVDDERK	1115.58	1115.58	0.00	0.07	2.E-12
P62753	LIEVDDERK	1111.63	1115.58	-3.95	-3551.10	2.E-12
P22626	IDTIEIITDRQSGK	1587.86	1587.85	0.01	3.35	2.E-12
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	2.02	2.E-12
P16403	ASGPPVSELITK	1195.55	1197.66	-2.11	-1767.71	2.E-12
P02545	LESTESRSSFSQHARTSGRVAVEEVDEEGK	3306.57	3306.57	0.00	-0.39	2.E-12
P06748	VDNDENEHQLSLRTVSLGAGAK	2409.19	2352.17	57.02	23668.80	2.E-12
P49736	VAVGELTDEDVK	1273.64	1273.64	0.00	1.55	2.E-12
Q14157	GGSTTGSQFLEQFK	1485.71	1485.71	0.00	1.38	2.E-12
Q9NR30	EGAFSNFPISEETIK	1667.80	1667.80	0.00	1.42	2.E-12
O00148	GLAITFVSDENDAK	1482.86	1478.73	4.13	2782.24	2.E-12
O00148	GLAITFVSDENDAK	1477.78	1478.73	-0.95	-644.52	2.E-12

P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.45	2833.44	0.01	2.49	3.E-12
P62701	VNDTIQIDLETGK	1446.75	1444.74	2.01	1389.45	3.E-12
P62701	VNDTIQIDLETGK	1444.74	1444.74	0.00	0.68	3.E-12
P84090	(51)SHTILLVQPTK	1277.73	1277.73	0.00	0.82	3.E-12
Q96GM8	RALLNLPGTQTSGEAK	1657.85	1654.90	2.95	1777.78	3.E-12
Q96GM8	RALLNLPGTQTSGEAK	1656.91	1654.90	2.01	1213.94	3.E-12
Q13813	QETFDAGLQAFQQEGIANITALK	2492.25	2492.25	0.00	0.81	3.E-12
P08107	AQIHDLVLVGGSTRIPK	1803.04	1803.04	0.00	0.32	3.E-12
Q14684	TPTSSPASSPLVAK	1341.71	1341.71	0.00	0.61	3.E-12
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	-0.81	3.E-12
P16403	ASGPPVSELITK	1197.65	1197.66	-0.01	-11.75	3.E-12
P13645	VRALEESNYELEGK	1635.81	1635.81	0.00	2.58	3.E-12
O14639	FPAAQAPDPSETPK	1454.70	1454.70	0.00	2.60	3.E-12
O00148	GLAITFVSDENDAK	1478.73	1478.73	0.00	1.59	3.E-12
O00148	GLAITFVSDENDAK	1478.73	1478.73	0.00	1.59	3.E-12

O00148	GLAITFVSDENDAK	1478.72	1478.73	-0.01	-9.57	3.E-12
O00148	GLAITFVSDENDAK	1478.72	1478.73	-0.01	-9.57	3.E-12
Q02539	SLVSKGTLVQTK	1264.72	1259.74	4.98	3937.63	3.E-12
P02545	NIYSEELRETK	1382.70	1380.69	2.01	1451.73	3.E-12
Q92522	ALVQNDTLLQVK	1340.77	1340.77	0.00	1.09	3.E-12
Q15029	GLAEDIENEVVQITWNRK	2113.08	2113.08	0.00	1.26	3.E-12
P22626	IDTIEIITDRQSGK	1587.86	1587.85	0.01	3.35	3.E-12
Q9Y265	TISHVIIGLK	1079.67	1079.67	0.00	2.64	4.E-12
P06748	VDNDENEHQLSLRRTVSLGAGAK	2354.18	2352.17	2.01	853.28	4.E-12
O60812	QKVDSLLENLEK	1397.74	1414.77	-17.03	-12181.30	4.E-12
P38919	(41)ATTATMATSGSARK	1394.68	1394.68	0.00	2.58	4.E-12
P38919	RDELTLEGIK	1172.64	1172.64	0.00	2.15	4.E-12
O75643	(41)ADVTARSLQYQYK	1584.78	1584.78	0.00	0.44	4.E-12
P04264	RTNAENEFVTIK	1420.73	1420.73	0.00	1.11	4.E-12
P04264	RTNAENEFVTIK	1420.71	1420.73	-0.02	-13.88	4.E-12

Q15029	IAVEPVNPSELPK	1391.77	1391.77	0.00	1.23	4.E-12
P14136	VRFLEQQNK	1160.63	1160.63	0.00	0.09	4.E-12
P11021	PYIQVDIGGGQTK	1379.68	1374.71	4.97	3601.11	4.E-12
P11021	PYIQVDIGGGQTK	1377.80	1374.71	3.09	2244.72	4.E-12
P11021	PYIQVDIGGGQTK	1374.71	1374.71	0.00	0.43	4.E-12
P11021	PYIQVDIGGGQTK	1373.85	1374.71	-0.86	-625.76	4.E-12
P46782	YLPHSAGRYAAK	1332.69	1332.69	0.00	0.57	4.E-12
Q02539	SLVSKGTLVQTK	1259.74	1259.74	0.00	0.96	4.E-12
P09661	TFNPGAGLPTDKK	1344.70	1344.70	0.00	0.87	4.E-12
P14136	VRFLEQQNK	1162.51	1160.63	1.88	1616.42	4.E-12
P14136	VRFLEQQNK	1160.63	1160.63	0.00	2.16	4.E-12
P15880	SPYQEFTDHLVK	1463.71	1462.71	1.00	686.52	4.E-12
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	0.80	4.E-12
P62917	GAGSVFRAHVK	1127.66	1127.62	0.04	33.04	4.E-12
P62917	GAGSVFRAHVK	1127.62	1127.62	0.00	0.76	4.E-12

P54652	DAGTITGLNVLRINEPTAAAIYGLDK	2873.49	2869.55	3.94	1369.60	4.E-12
Q9NR30	DLIAQARTGTGK	1229.67	1229.67	0.00	0.67	5.E-12
O60264	QTELFAHQFQAAQK	1713.90	1727.90	-14.00	-8169.67	5.E-12
O60264	QTELFAHQFQAAQK	1710.88	1727.90	-17.02	-9949.97	5.E-12
P08107	LLQDFFNDRDLNK	1579.81	1578.82	0.99	625.83	5.E-12
P08107	LLQDFFNDRDLNK	1578.82	1578.82	0.00	1.64	5.E-12
P08107	LLQDFFNDRDLNK	1578.72	1578.82	-0.10	-61.45	5.E-12
O60508	PSLAVAVDSAPEVAVK	1551.85	1551.85	0.00	1.43	5.E-12
P20700	DAALATALGDKK	1172.64	1172.64	0.00	-0.14	5.E-12
Q12874	PLQDQNELFGK	1287.65	1287.65	0.00	2.10	5.E-12
P11940	VDEAVAVLQAHQAK	1478.84	1477.79	1.05	708.97	5.E-12
P32969	TILSNQTVDIPENVDTLK	2112.13	2112.13	0.00	0.34	5.E-12
P32969	TILSNQTVDIPENVDTLK	2112.08	2112.13	-0.05	-23.52	5.E-12
P19338	GFGFVDFNSEEDAK	1560.67	1560.67	0.00	0.76	5.E-12
P26599	NFQNIFFSATLHLSNIPPSVSEEDLK	2993.52	2993.51	0.01	2.57	5.E-12

P02545	NIYSEELRETK	1380.69	1380.69	0.00	0.29	5.E-12
P02545	ERARLQLELSK	1341.77	1341.77	0.00	0.20	5.E-12
P61978	IDEPLEGSEDRIITITGTQDQIQNAQYLLQNSVK	3828.95	3828.94	0.01	2.33	5.E-12
P13645	VRALEESNYELEGK	1639.81	1635.81	4.00	2439.74	5.E-12
P08758	TLFGRDLLDDLK	1404.76	1404.76	0.00	0.61	5.E-12
O00148	LTLHGLQQYYVK	1462.88	1461.80	1.08	738.83	5.E-12
P38919	(41)ATTATMATSGSARK	1394.68	1394.68	0.00	2.86	6.E-12
P08107	AQIHDLVLVGGSTRIPK	1803.04	1803.04	0.00	0.60	6.E-12
Q14684	TPTSSPASSPLVAK	1341.71	1341.71	0.00	0.84	6.E-12
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.45	2833.44	0.01	2.28	6.E-12
P61978	ALRTDYNASVSPDSSGPERILSISADIETIGEILK	3815.97	3815.98	-0.01	-2.26	6.E-12
P84103	VYVGNLGNNGNK	1249.67	1247.63	2.04	1628.65	6.E-12
P84103	VYVGNLGNNGNK	1249.64	1247.63	2.01	1607.64	6.E-12
P84103	VYVGNLGNNGNK	1249.64	1247.63	2.01	1607.64	6.E-12
P84103	VYVGNLGNNGNK	1249.60	1247.63	1.97	1577.36	6.E-12

Q14254	ELIATVRRPAEAEAHRIQQIAEGEK	2814.52	2814.51	0.01	2.07	6.E-12
Q13148	GISVHISNAEPK	1250.66	1250.66	0.00	2.66	6.E-12
Q12874	PLQDQNELFGK	1283.73	1287.65	-3.92	-3056.26	6.E-12
Q13148	GISVHISNAEPK	1250.66	1250.66	0.00	2.90	6.E-12
P02545	AA YEAE LGDARK	1292.64	1292.64	0.00	-0.03	6.E-12
P02545	NIYSEELRETK	1375.74	1380.69	-4.95	-3600.11	6.E-12
Q9Y265	TISHVIIGLK	1084.57	1079.67	4.90	4516.31	6.E-12
Q9Y265	TISHVIIGLK	1079.67	1079.67	0.00	2.36	6.E-12
O00148	LTLHGLQQYYVK	1461.80	1461.80	0.00	2.40	6.E-12
O00148	LTLHGLQQYYVK	1461.78	1461.80	-0.02	-15.66	6.E-12
P08758	PSRLYDAYELK	1355.70	1353.69	2.01	1480.46	7.E-12
Q96SI9	VILTSPLIRDELEK	1625.92	1624.94	0.98	601.30	7.E-12
P68104	PLRLPLQDVYK	1342.79	1340.78	2.01	1497.63	7.E-12
O43395	DQTKPTPLILDEQGRTVDATGK	2382.24	2382.24	0.00	0.33	7.E-12
O43390	VTEGLVDVILYHQPDDK	1950.15	1939.99	10.16	5211.87	7.E-12

O43390	VTEGLVDVILYHQPDDK	1945.20	1939.99	5.21	2677.69	7.E-12
Q96GM8	RALLNLPGTQTSGEAK	1657.85	1654.90	2.95	1777.78	7.E-12
Q96GM8	RALLNLPGTQTSGEAK	1654.91	1654.90	0.01	3.38	7.E-12
Q15293	TFDQLTPDESK	1280.60	1279.59	1.01	786.43	7.E-12
P84103	VYVGNLGNNGNK	1248.62	1247.63	0.99	789.17	7.E-12
P84103	VYVGNLGNNGNK	1247.66	1247.63	0.03	22.73	7.E-12
P84103	VYVGNLGNNGNK	1247.63	1247.63	0.00	1.82	7.E-12
Q15029	IAVEPVNPSELPK	1388.65	1391.77	-3.12	-2248.02	7.E-12
O60506	LDEIYVAGLVAHSDLDERAIEALK	2639.38	2639.38	0.00	-0.75	8.E-12
O60506	LDEIYVAGLVAHSDLDERAIEALK	2641.43	2639.38	2.05	774.78	8.E-12
Q9HC52	ELPDPSQRPLGEPGAGLGEYLK	2352.21	2352.20	0.01	2.64	8.E-12
O00148	LTLHGLQQYYVK	1464.84	1461.80	3.04	2076.48	8.E-12
Q13185	VLDRRVVNGKVEYFLK	1935.10	1934.11	0.99	509.88	8.E-12
P18124	EANNFLWPFK	1264.73	1264.62	0.11	86.39	8.E-12
P18124	EANNFLWPFK	1264.62	1264.62	0.00	1.00	8.E-12

P05787	WSSLQQQK	1029.56	1029.56	0.00	2.31	8.E-12
P02545	RQNGDDPLLTYRFPPK	1916.98	1915.99	0.99	514.60	8.E-12
P46782	(52)TEWETAAPAVAETPDIK	1869.86	1869.90	-0.04	-20.49	8.E-12
P68104	PLRLPLQDVYK	1341.79	1340.78	1.01	750.72	8.E-12
P84090	(51)SHTILLVQPTK	1277.73	1277.73	0.00	0.82	8.E-12
P18124	EANNFLWPFK	1266.61	1264.62	1.99	1570.46	9.E-12
P26599	HQNVQLPREGQEDQGLTK	2076.04	2076.03	0.01	2.45	9.E-12
P07355	DIISDTSGDFRK	1353.70	1352.66	1.04	767.76	9.E-12
P07355	DIISDTSGDFRK	1352.66	1352.66	0.00	2.67	9.E-12
O60506	DLEGENIEIVFAKPPDQK	2041.04	2041.04	0.00	1.01	9.E-12
P02545	NIYSEELRETK	1384.37	1380.69	3.68	2658.11	9.E-12
P02545	NIYSEELRETK	1383.70	1380.69	3.01	2175.55	9.E-12
P12956	IQVTPPGFQLVFLPFADDK	2131.14	2131.14	0.00	1.02	9.E-12
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	2.11	1.E-11
Q04695	KEPVTTRQVRTIVEEVQDGK	2314.27	2311.25	3.02	1305.23	1.E-11

P02545	NIYSEELRETK	1381.70	1380.69	1.01	729.11	1.E-11
P22626	SGNFGGSRNMGGPYGGGNYGPGGSGGSGGGYGGRSRY	3373.44	3357.44	16.00	4742.03	1.E-11
P62906	QIPRILGPGLNK	1309.78	1304.79	4.99	3810.69	1.E-11
P62906	QIPRILGPGLNK	1308.75	1304.79	3.96	3023.63	1.E-11
P62241	YELGRPAANTK	1218.64	1218.64	0.00	0.85	1.E-11
Q14254	QVLLAQAEAEK	1203.63	1198.66	4.97	4131.98	1.E-11
P46782	(52)TEWETAAPAVAETPDIK	1869.90	1869.90	0.00	-0.49	1.E-11
P62736	AGFAGDDAPRAVFPSIVGRPRHQVMVGMGQK	3307.69	3307.68	0.01	3.35	1.E-11
P09661	NAIANASTLAEVERLK	1698.93	1698.93	0.00	0.64	1.E-11
Q96SI9	VILTSPLIRDELEK	1624.94	1624.94	0.00	0.41	1.E-11
P09012	EVRLVPGRHDIAFVEFDNEVQAGAARDALQGFK	3653.87	3653.87	0.00	-1.17	1.E-11
Q92522	ALVQNDTLLQVK	1340.77	1340.77	0.00	1.09	1.E-11
O00267	ILNLRFLGK	1072.68	1072.68	0.00	1.33	1.E-11
Q9UQE7	IRELGSLPQEAPEK	1615.86	1615.86	0.00	2.83	1.E-11
P08107	LLQDFFNDRDLNK	1579.81	1578.82	0.99	624.18	1.E-11

P62081	AQLRELNITAAK	1326.76	1326.76	0.00	0.21	1.E-11
P08729	LEAAIAEAEERGELALK	1814.95	1811.96	2.99	1648.67	1.E-11
Q12906	VADNLAIQLAAVTEDK	1669.71	1669.89	-0.18	-105.24	1.E-11
P62277	GLTPSQIGVILRDSHGVAQVRFVTGNK	2859.43	2848.57	10.86	3796.78	1.E-11
O95926	(41)AAIAASEVLVDSAEEGSLAAAAELAAQK	2697.37	2697.37	0.00	-0.53	1.E-11
Q04695	KEPVTTRQVRTIVEEVQDGK	2311.25	2311.25	0.00	1.41	1.E-11
P54652	SENVQDLLLLDVTPLSLGIETAGGVMTPLIK	3253.77	3235.76	18.01	5534.54	1.E-11
Q9Y3B2	SFRPGDIVLAK	1201.68	1201.68	0.00	1.93	1.E-11
P08729	WTLLEQEK	1044.56	1044.56	0.00	2.12	1.E-11
P69905	LRVDPVNFK	1086.62	1086.62	0.00	0.69	1.E-11
O43290	GVLQEEEDVLVNVNLVDK	2015.97	2011.05	4.92	2441.50	1.E-11
O14639	FPAAQAPDPSETPK	1454.70	1454.70	0.00	3.08	1.E-11
P02545	NIYSEELRETK	1380.69	1380.69	0.00	-0.07	1.E-11
P08107	LLQDFFNGRDLNK	1578.82	1578.82	0.00	-0.77	1.E-11
P26641	(41)AAGTLTYPENWRAFK	1928.95	1928.94	0.01	3.21	1.E-11

P41219	MALDIEIATYRK	1443.71	1422.75	20.96	14519.80	2.E-11
P41219	MALDIEIATYRK	1438.75	1422.75	16.00	11119.50	2.E-11
O43818	LYLEQLRQQEEEK	1704.88	1704.87	0.01	3.20	2.E-11
Q9NWB6	LAEEQLRIVEEQRK	1739.95	1739.95	0.00	0.02	2.E-11
Q08211	NELMYQLEQDHDLQAILQERELLPVK	3180.63	3164.62	16.01	5032.08	2.E-11
Q3BDU5	LLEGEERLRLSPSPTSQRSRGRASSHSSQTQGGGSVTK	4152.10	4152.10	0.00	-0.19	2.E-11
P02545	NIYSEELRETK	1377.67	1380.69	-3.02	-2194.29	2.E-11
P08107	LLQDFFNDRDLNK	1580.85	1578.82	2.03	1287.21	2.E-11
P08107	LLQDFFNDRDLNK	1579.83	1578.82	1.01	636.20	2.E-11
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	2.13	2.E-11
Q12906	VADNLAIQLAAVTEDK	1669.89	1669.89	0.00	-0.13	2.E-11
P46781	LIGEYGLRNK	1161.65	1161.65	0.00	1.05	2.E-11
O00148	LTLHGLQQYYVK	1463.83	1461.80	2.03	1385.08	2.E-11
P27635	IRIFDLGRK	1116.68	1116.68	0.00	0.33	2.E-11
P27635	IRIFDLGRK	1116.67	1116.68	-0.01	-10.87	2.E-11

Q12905	LDPELHLDIK	1191.65	1191.65	0.00	2.43	2.E-11
Q9Y4W2	SPYTLDSLYWSVK	1557.77	1557.77	0.00	0.58	2.E-11
Q9NY12	VPYFNAPVYLENK	1552.79	1552.79	0.00	0.29	2.E-11
Q09161	ATNDEIFSILK	1249.66	1249.66	0.00	1.12	2.E-11
P62906	QIPRILGPGLNK	1304.79	1304.79	0.00	-0.17	2.E-11
P62906	QIPRILGPGLNK	1304.77	1304.79	-0.02	-14.20	2.E-11
P14866	SERSSSGLLEWESK	1596.86	1593.76	3.10	1942.40	2.E-11
P16403	ERSGVSLAALK	1127.57	1129.65	-2.08	-1843.26	2.E-11
P02545	NIYSEELRETK	1380.69	1380.69	0.00	2.68	2.E-11
Q03252	LELEQTYQAK	1226.61	1221.62	4.99	4071.60	2.E-11
P13010	EDIQGFYRYSDIVPFSK	2070.04	2070.04	0.00	0.21	2.E-11
Q9UQE7	NDVMNLLESAGFSRSPYIYVK	2532.24	2516.24	16.00	6318.00	2.E-11
O00148	LTLHGLQYYVK	1462.81	1461.80	1.01	689.16	2.E-11
O00148	LTLHGLQYYVK	1461.80	1461.80	0.00	2.68	2.E-11
O75367	GVTIASGGVLPNIHPELLAK	1985.13	1985.13	0.00	-0.25	2.E-11

O60506	LDEIYVAGLVAHSDLDERAIEALK	2639.38	2639.38	0.00	-1.58	2.E-11
P08107	AQIHDLVLVGGSTRIPK	1803.04	1803.04	0.00	0.60	2.E-11
P12956	KQELLEALTK	1176.67	1171.68	4.99	4241.36	3.E-11
P02545	NIYSEELRETK	1380.69	1380.69	0.00	0.87	3.E-11
Q9NX63	RRVAEELALEQAK	1511.84	1511.84	0.00	0.89	3.E-11
Q9NX63	RRVAEELALEQAK	1507.77	1511.84	-4.07	-2699.85	3.E-11
Q14683	VVQLHEYSEELEK	1604.83	1601.79	3.04	1892.86	3.E-11
Q14683	VVQLHEYSEELEK	1603.79	1601.79	2.00	1248.24	3.E-11
Q14683	VVQLHEYSEELEK	1601.79	1601.79	0.00	1.08	3.E-11
Q04695	KEPVTTRQVRTIVEEVQDGK	2313.24	2311.25	1.99	862.19	3.E-11
P14866	SERSSSGLLEWESK	1593.76	1593.76	0.00	2.98	3.E-11
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	-0.75	3.E-11
O60506	ALLERTGYTLDVTTGQRK	2021.05	2021.09	-0.04	-21.04	3.E-11
P12956	IQVTPPGFQLVFLPFADDK	2131.14	2131.14	0.00	0.27	3.E-11
Q14126	IARQUESTSVLLQQSEK	1818.94	1815.97	2.97	1633.41	3.E-11

O60506	LDEIYVAGLVAHSDLDERAIEALK	2641.43	2639.38	2.05	775.42	3.E-11
O60506	LDEIYVAGLVAHSDLDERAIEALK	2639.38	2639.38	0.00	1.26	3.E-11
O60506	LDEIYVAGLVAHSDLDERAIEALK	2637.32	2639.38	-2.06	-780.33	3.E-11
P27635	RLIPDGCGVK	1113.60	1113.60	0.00	0.95	3.E-11
P27635	RLIPDGCGVK	1113.59	1113.60	-0.01	-11.44	3.E-11
P02545	NIYSEELRETK	1380.69	1380.69	0.00	2.39	3.E-11
P05787	LVSESSDVLPK	1175.53	1172.63	2.90	2468.21	3.E-11
P22626	RGFGFVTFDDHDPVDK	1854.86	1850.86	4.00	2155.36	3.E-11
P84103	VYVGNLGNNGNK	1251.63	1247.63	4.00	3192.87	3.E-11
Q03252	LELEQTYQAK	1225.63	1221.62	4.01	3272.10	3.E-11
O14979	VFVGGLSPDTSEEQIK	1704.86	1704.86	0.00	0.00	3.E-11
P22626	IDTIEIITDRQSGK	1587.85	1587.85	0.00	1.09	3.E-11
O43818	LYLEQLRQEEEEK	1712.92	1704.87	8.05	4699.38	3.E-11
P09661	SLTYLSILRNPVTNK	1717.97	1717.97	0.00	-0.03	3.E-11
O60812	QKVDLSLLENLEK	1397.74	1414.77	-17.03	-12181.70	4.E-11

O60812	QKVDSLLENLEK	1397.72	1414.77	-17.05	-12197.30	4.E-11
O60812	QKVDSLLENLEK	1395.75	1414.77	-19.02	-13630.50	4.E-11
O95232	IDVLLQQIEELGSEGKVEEAQGMMK	2658.29	2773.39	-115.10	-43300.10	4.E-11
Q12906	YELISETGGSHDK	1436.75	1434.66	2.09	1454.55	4.E-11
Q12906	YELISETGGSHDK	1434.66	1434.66	0.00	0.30	4.E-11
O60812	KSDVEAIFSK	1127.56	1122.59	4.97	4410.51	4.E-11
Q14683	VVQLHEYSEELEK	1597.86	1601.79	-3.93	-2460.21	4.E-11
Q86WX3	(51)SAALLRRGLELLAASEAPRDPPGQAK	2728.51	2728.50	0.01	4.11	4.E-11
P26599	HQNVQLPREGQEDQGLTK	2076.04	2076.03	0.01	2.70	4.E-11
P16401	ATGPPVSELITK	1216.61	1211.68	4.93	4055.84	4.E-11
P05787	LVSESSDVLPK	1176.61	1172.63	3.98	3384.00	4.E-11
P05787	LVSESSDVLPK	1173.65	1172.63	1.02	872.96	4.E-11
P05787	LVSESSDVLPK	1173.62	1172.63	0.99	843.08	4.E-11
P05787	LVSESSDVLPK	1172.64	1172.63	0.01	6.87	4.E-11
P02545	ERARLQLELSK	1341.77	1341.77	0.00	-0.47	4.E-11

P02545	ERARLQLELSK	1339.79	1341.77	-1.98	-1475.77	4.E-11
Q15459	VQAQVIQETIVPK	1454.79	1451.83	2.96	2038.04	4.E-11
Q15459	VQAQVIQETIVPK	1451.83	1451.83	0.00	1.34	4.E-11
Q12906	VADNLAIQLAAVTEDK	1671.72	1669.89	1.83	1095.80	4.E-11
Q12906	VADNLAIQLAAVTEDK	1669.89	1669.89	0.00	0.10	4.E-11
Q12906	VADNLAIQLAAVTEDK	1669.71	1669.89	-0.18	-105.36	4.E-11
P05783	IMADIRAQYDELARK	1807.93	1791.93	16.00	8848.68	4.E-11
P05783	IMADIRAQYDELARK	1807.90	1791.93	15.97	8835.74	4.E-11
P05783	IMADIRAQYDELARK	1805.96	1791.93	14.03	7767.11	4.E-11
P22626	RGFGFVTFDHDPVDK	1850.86	1850.86	0.00	1.40	4.E-11
P20700	EELRELNDR LAVYIDK	1975.04	1975.04	0.00	0.25	4.E-11
P62701	PWISLPRGK	1052.61	1052.61	0.00	1.45	4.E-11
Q03252	LELEQTYQAK	1223.63	1221.62	2.01	1642.97	4.E-11
Q14254	QIAVEAQEILRTDK	1599.85	1612.88	-13.03	-8143.20	4.E-11
Q14254	QIAVEAQEILRTDK	1595.86	1612.88	-17.02	-10666.50	4.E-11

O43328	KVEQPVIEEPALK	1478.83	1478.83	0.00	2.16	4.E-11
O43328	KVEQPVIEEPALK	1477.79	1478.83	-1.04	-704.57	4.E-11
Q14978	RGAAGDWGERANQVLK	1726.89	1726.89	0.00	1.52	4.E-11
P20700	HETRLVEVDSGRQIEYEEK	2350.16	2350.16	0.00	-0.73	4.E-11
P54652	SENVQDLLLLDVTPLSLGIETAGGVMTPLIK	3253.77	3235.76	18.01	5534.67	4.E-11
P16401	ATGPPVSELITK	1215.63	1211.68	3.95	3248.92	5.E-11
P16401	ATGPPVSELITK	1211.68	1211.68	0.00	0.72	5.E-11
P23396	RFGFPEGSVELYAEK	1727.85	1727.85	0.00	0.61	5.E-11
O60812	VDSLLENLEK	1162.69	1158.61	4.08	3508.07	5.E-11
O60812	LKGDDLQAIK	1099.62	1099.62	0.00	-0.09	5.E-11
O43328	KVEQPVIEEPALK	1483.80	1478.83	4.97	3349.70	5.E-11
O43328	KVEQPVIEEPALK	1478.83	1478.83	0.00	2.16	5.E-11
P19338	GLSEDTEETLK	1321.62	1321.62	0.00	1.30	5.E-11
Q9NR30	DLIAQARTGTGK	1234.65	1229.67	4.98	4034.27	5.E-11
P26368	IFVEFTSVFDCQK	1626.95	1618.77	8.18	5026.65	5.E-11

O60508	PSLAVAVDSAPEVAVK	1555.75	1551.85	3.90	2507.36	5.E-11
O60508	PSLAVAVDSAPEVAVK	1554.84	1551.85	2.99	1923.43	5.E-11
O95785	EVVAGAPRPGLLSLAK	1578.72	1576.93	1.79	1132.99	5.E-11
P09651	RSRGFGFVYATVEEVDAAMNARPHK	2924.44	2908.44	16.00	5470.25	5.E-11
P60709	(42)DDDIAALVVDNGSGMCK	1838.77	1820.79	17.98	9779.04	5.E-11
P60709	(42)DDDIAALVVDNGSGMCK	1836.79	1820.79	16.00	8711.34	5.E-11
P16401	ATGPPVSELITK	1211.65	1211.68	-0.03	-22.22	5.E-11
P16401	ATGPPVSELITK	1211.55	1211.68	-0.13	-110.71	5.E-11
P16401	ATGPPVSELITK	1209.70	1211.68	-1.98	-1635.47	5.E-11
O43390	VLVVRNLATTVTEEILEK	2074.17	2074.17	0.00	-0.85	6.E-11
Q9UHX1	LGLPPLTPEQQEALQK	1758.80	1760.97	-2.17	-1232.21	6.E-11
A6NIM7	TIAECLAEELINAAK	1648.99	1644.84	4.15	2517.46	6.E-11
A6NIM7	TIAECLAEELINAAK	1644.84	1644.84	0.00	2.10	6.E-11
Q12906	VADNLAIQLAAVTEDK	1670.79	1669.89	0.90	538.89	6.E-11
P08729	LEAAIAEAEERGELALK	1811.96	1811.96	0.00	2.30	6.E-11

O75475	GYPHWPARVDEVPDGAVKPPTNK	2532.31	2529.28	3.03	1198.47	6.E-11
O75475	GYPHWPARVDEVPDGAVKPPTNK	2529.28	2529.28	0.00	-0.47	6.E-11
O75475	GYPHWPARVDEVPDGAVKPPTNK	2529.25	2529.28	-0.03	-13.36	6.E-11
O43328	KVEQPVIEEPALK	1483.80	1478.83	4.97	3349.23	6.E-11
P07355	(51)STVHEILCK	1127.56	1127.56	0.00	1.67	6.E-11
P62081	VETFSGVYK	1028.52	1028.52	0.00	0.73	6.E-11
P62081	VETFSGVYK	1028.51	1028.52	-0.01	-10.35	6.E-11
P61247	LMELHGEGSSSGK	1334.69	1330.62	4.07	3047.76	6.E-11
P07355	AYTNFDAERDALNIETAIK	2154.06	2154.06	0.00	1.03	6.E-11
Q96ST2	ILQELPSVSQETLK	1584.89	1583.88	1.01	634.93	7.E-11
O60812	KSDVEAIFSK	1122.59	1122.59	0.00	0.48	7.E-11
O60812	KSDVEAIFSK	1122.58	1122.59	-0.01	-11.37	7.E-11
Q9UQE7	MNLPGEVTFPLPLNK	1595.89	1571.84	24.05	15073.00	7.E-11
O60812	LKGDDLQAIK	1099.62	1099.62	0.00	-0.18	7.E-11
Q9UKV3	ISNIVHISNLVRPFTLGQLK	2248.31	2248.31	0.00	-1.22	7.E-11

Q9UKV3	ISNIVHISNLVRPFTLGQLK	2244.17	2248.31	-4.14	-1844.53	7.E-11
P84103	VYVGNLGNNGNK	1249.60	1247.63	1.97	1576.96	7.E-11
P84103	VYVGNLGNNGNK	1249.60	1247.63	1.97	1576.96	7.E-11
P84103	VYVGNLGNNGNK	1248.61	1247.63	0.98	788.85	7.E-11
P84103	VYVGNLGNNGNK	1247.66	1247.63	0.03	22.41	7.E-11
P84103	VYVGNLGNNGNK	1247.63	1247.63	0.00	1.57	7.E-11
P02545	ERARLQLELSK	1346.75	1341.77	4.98	3701.39	7.E-11
P02545	RQNGDDPLLTYRFPPK	1916.98	1915.99	0.99	514.97	7.E-11
P11021	TFAPEEISAMVLTK	1541.79	1535.79	6.00	3893.84	7.E-11
P12956	KQELLEALTK	1171.68	1171.68	0.00	0.84	7.E-11
P08758	PSRLYDAYELK	1353.78	1353.69	0.09	64.38	7.E-11
P08758	PSRLYDAYELK	1353.69	1353.69	0.00	0.71	7.E-11
P62081	AQLRELNITAAK	1326.76	1326.76	0.00	0.73	7.E-11
P08670	VESLQEEIAFLK	1404.75	1404.75	0.00	0.84	7.E-11
P08670	VESLQEEIAFLK	1404.73	1404.75	-0.02	-13.32	7.E-11

P08729	LEAAIAEAEERGELALK	1807.87	1811.96	-4.09	-2263.29	7.E-11
Q9UHX1	LGLPPLTPEQQEALQK	1760.98	1760.97	0.01	3.17	7.E-11
Q9UMS4	VAHPIRPKPPSATSIPAILK	2092.26	2092.25	0.01	2.47	7.E-11
Q15434	GYGFVDFDSPSAAQK	1590.83	1587.72	3.11	1954.26	7.E-11
Q15434	GYGFVDFDSPSAAQK	1587.72	1587.72	0.00	2.83	7.E-11
Q9BXP5	EVAFFNFLTDAK	1514.74	1514.74	0.00	0.98	7.E-11
P08670	ILLAELEQLK	1168.71	1168.71	0.00	2.40	7.E-11
P45973	GFSEEHNTWEPEK	1592.86	1588.68	4.18	2622.29	8.E-11
P45973	GFSEEHNTWEPEK	1589.69	1588.68	1.01	633.10	8.E-11
O60812	KSDVEAIFSK	1000.56	1122.59	-122.02	-121956.00	8.E-11
O60812	QKVDSLLENLEK	1286.71	1414.77	-128.06	-99523.60	8.E-11
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	0.20	8.E-11
P20700	VRSLETENSALQLQVTEREEVREGRELTGLK	3439.84	3439.84	0.00	0.83	8.E-11
P07305	YSDMIVAAIQAEK	1444.75	1437.72	7.03	4862.50	8.E-11
P22626	RGFGFVTDDHDPVDK	1854.86	1850.86	4.00	2155.90	9.E-11

P02545	ERARLQLELSK	1346.72	1341.77	4.95	3674.39	9.E-11
P02545	ERARLQLELSK	1341.77	1341.77	0.00	0.06	9.E-11
P62805	VFLENVIRDAVITYTEHAK	2106.36	2104.10	2.26	1071.92	9.E-11
P62805	VFLENVIRDAVITYTEHAK	2104.11	2104.10	0.01	3.06	9.E-11
P62805	VFLENVIRDAVITYTEHAK	2099.31	2104.10	-4.79	-2282.93	9.E-11
Q92522	ALVQNDTLLQVK	1340.77	1340.77	0.00	0.19	9.E-11
P08729	LEAAIAEAEERGELALK	1813.11	1811.96	1.15	636.78	9.E-11
P09651	RSRGGFVITYATVEEVDAAMNARPHK	2924.44	2908.44	16.00	5470.32	9.E-11
P02545	NIYSEELRETK	1380.69	1380.69	0.00	2.68	9.E-11
P06748	MSVQPTVSLGGFEITPPVVLRLK	2483.38	2467.39	15.99	6439.85	1.E-10
P06748	MSVQPTVSLGGFEITPPVVLRLK	2483.32	2467.39	15.93	6415.12	1.E-10
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	0.89	1.E-10
P08758	(41)AQLRGTVTDFPGFDERADAETLRK	2837.37	2833.44	3.93	1384.90	1.E-10
Q04695	EPVTTRQVRTIVEEVQDGK	2183.16	2183.15	0.01	3.03	1.E-10
P25205	TIERRYSDLTTLVAFSSSVYPTK	2730.42	2730.42	0.00	0.25	1.E-10

P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2837.37	2833.44	3.93	1384.40	1.E-10
P61978	ALRTDYNASVSPDSSGPERILSISADIETIGEILK	3815.96	3815.98	-0.02	-4.67	1.E-10
Q96ST2	ILQELPSVSQETLK	1580.73	1583.88	-3.15	-1995.24	1.E-10
P61247	LMELHGEGSSSGK	1330.72	1330.62	0.10	75.15	1.E-10
P61247	LMELHGEGSSSGK	1330.62	1330.62	0.00	0.08	1.E-10
Q9UQE7	MNLPGEVTFPLPNK	1587.84	1571.84	16.00	10075.90	1.E-10
P60709	QEYDESGPSIVHRK	1629.84	1643.79	-13.95	-8561.61	1.E-10
P60709	QEYDESGPSIVHRK	1626.77	1643.79	-17.02	-10463.40	1.E-10
Q14978	RGAAGDWGERANQVLK	1726.89	1726.89	0.00	1.29	1.E-10
O60812	VDSLLENLEK	1160.64	1158.61	2.03	1747.49	1.E-10
Q92522	ALVQNDTLLQVK	1340.77	1340.77	0.00	-0.41	1.E-10
Q12905	ILITTVPPNLRK	1368.68	1363.86	4.82	3519.98	1.E-10
Q12905	ILITTVPPNLRK	1364.86	1363.86	1.00	735.83	1.E-10
P46781	QVVNIPSFIVRLDSQK	1842.01	1842.04	-0.03	-17.97	1.E-10
P08107	NQVALNPQNTVFDK	1657.84	1657.84	0.00	-0.82	1.E-10

P08107	NQVALNPQNTVFDK	1654.85	1657.84	-2.99	-1804.12	1.E-10
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	1.22	1.E-10
P02545	NIYSEELRETK	1380.69	1380.69	0.00	3.12	1.E-10
Q7L2J0	GRDPVEILIPK	1237.72	1235.72	2.00	1617.37	1.E-10
Q7L2J0	GRDPVEILIPK	1235.72	1235.72	0.00	0.94	1.E-10
Q12905	ILITTVPPNLRK	1366.71	1363.86	2.85	2083.63	1.E-10
Q12905	ILITTVPPNLRK	1365.63	1363.86	1.77	1295.67	1.E-10
Q12905	ILITTVPPNLRK	1363.86	1363.86	0.00	2.64	1.E-10
Q14566	ATLNARTSILAAANPISGHYDRSK	2526.33	2526.33	0.00	0.73	1.E-10
O75934	HIQDLNWQRK	1332.70	1336.70	-4.00	-3004.21	1.E-10
Q96JM3	T(37)SPASLDFPESQK	1405.69	1485.64	-79.95	-56877.60	1.E-10
P08107	AQIHDLVLVGGSTRIPK	1803.04	1803.04	0.00	0.54	1.E-10
Q86V81	LLVSNLDFGVSDADIQELFAEFGTLK	2840.45	2840.45	0.00	-1.59	2.E-10
P46781	QVVNIPSFIVRLDSQK	1842.04	1842.04	0.00	0.00	2.E-10
P62241	LTPEEEEEILNK	1313.67	1313.67	0.00	-0.71	2.E-10

P62241	LTPEEEEEILNK	1313.65	1313.67	-0.02	-14.11	2.E-10
O60812	LKGDDLQAIK	1099.62	1099.62	0.00	-0.18	2.E-10
A6NJC9	STYQEFTDHLVK	1469.76	1466.70	3.06	2080.44	2.E-10
P60709	IWHHTFYNELRVAPEEHPVLLTEAPLNPK	3449.81	3449.79	0.02	4.47	2.E-10
P16401	ATGPPVSELITK	1212.66	1211.68	0.98	804.25	2.E-10
O60812	VDSLLENLEK	1158.61	1158.61	0.00	0.26	2.E-10
O60812	VDSLLENLEK	1158.60	1158.61	-0.01	-11.65	2.E-10
O60812	VDSLLENLEK	1158.56	1158.61	-0.05	-39.87	2.E-10
P54652	DAGTITGLNVLRIINEPTAAAIAYGLDK	2873.49	2869.55	3.94	1370.09	2.E-10
P52597	HSGPNSADSANDGFVRLRGLPFGCTK	2773.35	2759.32	14.03	5057.12	2.E-10
P08107	EIAEAYLGYPVTVNAVITVPAYFNDSQRQATK	3428.73	3428.73	0.00	1.17	2.E-10
P16403	ERSGVSLAALK	1127.66	1129.65	-1.99	-1762.76	2.E-10
P16403	ERSGVSLAALK	1127.63	1129.65	-2.02	-1795.63	2.E-10
O60264	LLTQGFTNWNK	1320.68	1320.68	0.00	0.97	2.E-10
Q3BDU5	LDNARQSAERNSNLVGAACHEELQQSRIRIDSLSAQLSQLQK	4573.35	4573.37	-0.02	-3.80	2.E-10

P12956	YSGRDSLIFLVDASK	1669.87	1669.87	0.00	-0.12	2.E-10
P07355	GLGTDEDSLIEIICSRTNQELQEINRVYK	3264.60	3392.69	-128.09	-39236.10	2.E-10
Q9BYG3	(41)ATFSGPAGPILSLNPQEDVEFQK	2486.23	2486.23	0.00	0.36	2.E-10
P16401	ATGPPVSELITK	1216.61	1211.68	4.93	4054.86	2.E-10
P16401	ATGPPVSELITK	1215.63	1211.68	3.95	3248.76	2.E-10
P16401	ATGPPVSELITK	1211.68	1211.68	0.00	0.14	2.E-10
P05783	IMADIRAQYDELARK	1811.97	1791.93	20.04	11059.00	2.E-10
P05783	IMADIRAQYDELARK	1807.93	1791.93	16.00	8850.11	2.E-10
P61247	LMELHGE GSSSGK	1334.69	1330.62	4.07	3048.06	2.E-10
P61247	LMELHGE GSSSGK	1334.66	1330.62	4.04	3030.66	2.E-10
P07355	SALSGHLETVILGLLK	1649.97	1649.97	0.00	0.51	2.E-10
P07355	SALSGHLETVILGLLK	1649.95	1649.97	-0.02	-11.07	2.E-10
P06396	RYIETDPANRRRTPITVVK	2399.30	2399.30	0.00	0.91	2.E-10
Q96GQ7	ARILPQDVILK	1265.76	1264.79	0.97	766.04	2.E-10
Q6PJT7	LRSVTTEPSSLK	1320.66	1316.73	3.93	2976.11	2.E-10

P16403	ERSGVSLAALK	1129.65	1129.65	0.00	0.80	2.E-10
O00571	DLLDLLVEAK	1127.64	1127.64	0.00	-0.05	2.E-10
P46782	TIAECLADELINAAGSSNSYAIK	2446.35	2538.26	-91.91	-37569.90	2.E-10
P14136	VRFLEQQNK	1160.63	1160.63	0.00	-0.08	2.E-10
P11021	ERIDTRNELESYAYSLK	2086.03	2086.03	0.00	0.01	2.E-10
P05783	KGPQVRDWSHYFK	1646.84	1646.83	0.01	3.26	2.E-10
O43395	TGIHTSTRLALIAPK	1579.81	1577.93	1.88	1187.24	2.E-10
Q8WVK2	GGFNRPLDFIA	1206.61	1205.62	0.99	818.85	2.E-10
P16401	ATGPPVSELITK	1211.55	1211.68	-0.13	-111.04	2.E-10
P08729	LEAAIAEAEERGELALK	1811.96	1811.96	0.00	2.63	2.E-10
Q6PJT7	LRSVTTEPSSLK	1321.63	1316.73	4.90	3704.10	3.E-10
Q9Y265	INGKDSIEKEHVEEISELFYDAK	2564.24	2692.32	-128.08	-49949.70	3.E-10
Q3BDU5	LVRSVTVVEDDEDEDGDDLLHHHHVSGSRR	3422.62	3422.62	0.00	-0.28	3.E-10
P62424	NFGIGQDIQPK	1216.61	1215.62	0.99	809.98	3.E-10
P62424	NFGIGQDIQPK	1215.62	1215.62	0.00	0.77	3.E-10

P61247	LMELHGE GSSSGK	1330.72	1330.62	0.10	75.23	3.E-10
P61247	LMELHGE GSSSGK	1330.66	1330.62	0.04	30.74	3.E-10
P61247	LMELHGE GSSSGK	1330.62	1330.62	0.00	0.45	3.E-10
Q9NPD3	(41)AGLELLSDQGYRVDGRRAGELRK	2600.38	2600.38	0.00	0.74	3.E-10
Q96GQ7	ARILPQDVILK	1265.76	1264.79	0.97	766.04	3.E-10
Q96GQ7	ARILPQDVILK	1264.79	1264.79	0.00	0.49	3.E-10
Q96GQ7	ARILPQDVILK	1264.73	1264.79	-0.06	-49.00	3.E-10
Q9Y5B9	DLYIRPNIAQK	1329.74	1329.74	0.00	3.26	3.E-10
Q9Y5B9	DLYIRPNIAQK	1328.65	1329.74	-1.09	-821.56	3.E-10
P07355	GLGTDEDSLIEIICSR TNQELQEINRVYK	3392.69	3392.69	0.00	1.13	3.E-10
Q15459	PLPPAPAPDEYLVSPITGEK	2090.10	2090.09	0.01	2.91	3.E-10
P05783	IMADIRAQYDELARK	1811.97	1791.93	20.04	11058.90	3.E-10
P05783	IMADIRAQYDELARK	1809.92	1791.93	17.99	9940.85	3.E-10
P05783	IMADIRAQYDELARK	1807.93	1791.93	16.00	8849.67	3.E-10
P11940	VDEAVAVLQAHQAK	1477.79	1477.79	0.00	-0.04	3.E-10

P11940	VDEAVAVLQAHQAK	1475.76	1477.79	-2.03	-1372.28	3.E-10
P62753	LIEVDDERK	1115.58	1115.58	0.00	0.25	3.E-10
Q09666	GGQIGLQAPGLSVSGPQGHLESGSGK	2417.23	2417.23	0.00	0.52	3.E-10
Q14683	TRHLALNLQEK	1317.60	1321.75	-4.15	-3150.75	3.E-10
P11142	TVTNAVVTVPAYFNDSQRQATK	2410.20	2409.23	0.97	402.58	3.E-10
P11142	TVTNAVVTVPAYFNDSQRQATK	2409.23	2409.23	0.00	0.91	3.E-10
O00505	DSQVVQVVL DGLK	1398.77	1398.77	0.00	1.85	3.E-10
P20042	IFDIDEAEEGVK	1363.86	1363.65	0.21	152.37	3.E-10
P20042	IFDIDEAEEGVK	1363.65	1363.65	0.00	2.94	3.E-10
Q8WVK2	GGFNRPLDFIA	1205.62	1205.62	0.00	0.85	3.E-10
Q8WVK2	GGFNRPLDFIA	1203.76	1205.62	-1.86	-1547.80	3.E-10
P60709	YPIE(317)HGIVTNWDDMEK	1911.90	1959.90	-48.00	-25106.00	3.E-10
P60709	YPIE(317)HGIVTNWDDMEK	1909.92	1959.90	-49.98	-26168.60	3.E-10
Q96GQ7	ARILPQDVILK	1264.79	1264.79	0.00	0.42	3.E-10
Q96GQ7	ARILPQDVILK	1264.73	1264.79	-0.06	-49.56	3.E-10

Q96GQ7	ARILPQDVILK	1264.71	1264.79	-0.08	-63.39	3.E-10
Q07021	AFVDFLSDEIK	1289.63	1282.64	6.99	5419.61	3.E-10
Q07021	AFVDFLSDEIK	1289.54	1282.64	6.90	5352.28	3.E-10
P06748	VDNDENEHQLSLRRTVSLGAGAK	2409.93	2352.17	57.76	23969.40	3.E-10
P06748	VDNDENEHQLSLRRTVSLGAGAK	2409.19	2352.17	57.02	23668.60	3.E-10
Q9GZL7	HVEFDFLIK	1146.61	1146.61	0.00	1.82	3.E-10
A6NIM7	TIAECLAEELINAAK	1644.84	1644.84	0.00	0.83	3.E-10
A6NIM7	TIAECLAEELINAAK	1644.81	1644.84	-0.03	-19.48	3.E-10
O60832	LDTSQWPLLLK	1312.74	1312.74	0.00	1.09	3.E-10
P16403	ERSGVSLAALK	1132.65	1129.65	3.00	2648.58	3.E-10
P08107	HWPFQVINDGDKPK	1679.84	1679.84	0.00	0.50	3.E-10
P63096	TTGIVETHFTFK	1379.71	1379.71	0.00	0.08	3.E-10
O60506	LDEIYVAGLVAHSDLDERAIEALK	2639.38	2639.38	0.00	-1.01	3.E-10
P08729	WTLLEQEK	1044.56	1044.56	0.00	2.22	4.E-10
Q9NQG5	IASLPQEVQDVSLEK	1767.97	1767.96	0.01	3.28	4.E-10

Q9GZL7	HVEFDFLIK	1146.61	1146.61	0.00	2.08	4.E-10
P62701	VNDTIQIDLETGK	1444.74	1444.74	0.00	0.89	4.E-10
Q96GQ7	ARILPQDVILK	1260.70	1264.79	-4.09	-3247.64	4.E-10
Q15427	VSEPLLWELFLQAGPVVNTHTMPK	2620.38	2604.38	16.00	6105.21	4.E-10
Q14103	IFVGGLSPDTPEEK	1551.77	1487.75	64.02	41259.00	4.E-10
Q14103	IFVGGLSPDTPEEK	1551.72	1487.75	63.97	41225.10	4.E-10
Q14103	IFVGGLSPDTPEEK	1545.85	1487.75	58.10	37581.50	4.E-10
Q14103	IFVGGLSPDTPEEK	1545.78	1487.75	58.03	37541.40	4.E-10
Q14683	TRHLALNLQEK	1323.67	1321.75	1.92	1453.60	4.E-10
Q14683	TRHLALNLQEK	1321.75	1321.75	0.00	2.94	4.E-10
P09525	SETSGSFEDALLAIVK	1665.85	1665.85	0.00	0.12	4.E-10
Q9Y3B9	(41)AAAAPDSRVSEEEENLK	1723.86	1727.83	-3.97	-2302.62	4.E-10
P62753	LIEVDDERK	1115.58	1115.58	0.00	0.34	4.E-10
O43395	TGIHTSTRLLALIAPK	1578.82	1577.93	0.89	564.10	4.E-10
O43395	TGIHTSTRLLALIAPK	1577.93	1577.93	0.00	-0.06	4.E-10

Q9BQG0	VTENLRVLGEAQTK	1560.80	1556.85	3.95	2527.94	4.E-10
Q9BQG0	VTENLRVLGEAQTK	1556.85	1556.85	0.00	2.44	4.E-10
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	0.54	4.E-10
P16403	ERSGVSLAALK	1125.57	1129.65	-4.08	-3623.77	4.E-10
Q9Y4Y9	(41)AANATTNPSQLLPLELVDK	2045.04	2036.08	8.96	4380.95	4.E-10
P26373	LILFPRKPSAPK	1365.85	1365.85	0.00	0.51	4.E-10
Q14684	TPTSSPASSPLVAK	1343.68	1341.71	1.97	1468.59	4.E-10
Q9H2P0	YETIHLTEEPTK	1459.72	1459.72	0.00	2.98	4.E-10
P26373	LILFPRKPSAPK	1369.80	1365.85	3.95	2887.20	5.E-10
P26373	LILFPRKPSAPK	1365.85	1365.85	0.00	0.58	5.E-10
P02545	ERARLQLELSK	1346.72	1341.77	4.95	3674.31	5.E-10
P35659	KVERLTMQVSSLQREPFTIAQGK	2645.43	2645.43	0.00	1.82	5.E-10
P62736	EITALAPSTMK	1162.61	1160.61	2.00	1718.81	5.E-10
P62736	EITALAPSTMK	1160.61	1160.61	0.00	2.07	5.E-10
P62736	EITALAPSTMK	1159.60	1160.61	-1.01	-869.78	5.E-10

P62736	EITALAPSTMK	1156.66	1160.61	-3.95	-3415.95	5.E-10
Q92522	ALVQNDTLLQVK	1340.77	1340.77	0.00	1.23	5.E-10
P61313	AIRRNPDQTWITK	1602.70	1597.87	4.83	3012.76	5.E-10
Q02539	ALAAAGYDVEK	1106.56	1106.56	0.00	1.85	5.E-10
Q00839	RPREDHGRGYFEYIEENK	2294.08	2294.08	0.00	2.00	5.E-10
P22626	SGNFGGSRNMGGPYGGGNYGPGGSGGSGGYGGRSRY	3373.45	3357.44	16.01	4744.77	5.E-10
Q9NQG5	IASLPQEVQDVSLEK	1770.86	1767.96	2.90	1635.82	5.E-10
Q8TC04	ATMQNLNDRLASVEK	1851.91	1851.91	0.00	2.22	5.E-10
Q14103	IFVGGLSPDTPEEK	1487.75	1487.75	0.00	2.87	5.E-10
P08107	AQIHDLVLVGGSTRIPK	1803.04	1803.04	0.00	0.10	5.E-10
O95232	IDVLLQIEELGSEGKVEEAQGMMK	2658.29	2773.39	-115.10	-43299.90	6.E-10
P20700	LLEGEERLK	1214.65	1214.65	0.00	1.78	6.E-10
P20700	LLEGEERLK	1214.57	1214.65	-0.08	-65.73	6.E-10
P48047	LVRPPVQVYVYIEGRYATALYSAASK	2719.27	2708.46	10.81	3974.76	6.E-10
P02545	EGDLIAAQARLK	1284.76	1283.72	1.04	806.21	6.E-10

P02545	EGDLIAAQARLK	1283.72	1283.72	0.00	0.46	6.E-10
P32969	DELILEGNDIELVSNAAALIQQATTVK	2883.51	2883.51	0.00	-0.61	6.E-10
O60812	KSDVEAIFSK	1127.56	1122.59	4.97	4409.98	6.E-10
P61981	(54)VDREQLVQK	1155.62	1155.62	0.00	1.38	6.E-10
P26447	ELLTRELPSFLGK	1529.84	1501.85	27.99	18299.20	6.E-10
P02545	ERARLQLELSK	1341.77	1341.77	0.00	0.20	6.E-10
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	2.11	6.E-10
P41219	MALDIEIATYRK	1422.75	1422.75	0.00	1.50	6.E-10
Q01130	(51)SYGRPPPDVEGMTSLK	1781.99	1774.86	7.13	4003.00	6.E-10
Q02539	ALAAAGYDVEK	1106.56	1106.56	0.00	2.21	6.E-10
O60506	VLFVRNLANTVTEEILEK	2087.16	2087.16	0.00	-0.53	6.E-10
Q9H0A0	VLETPQEIHVSSEAVSLLEEVITPRK	3003.62	3003.61	0.01	3.30	7.E-10
Q3BDU5	LVRSVTVVEDDEDGDDLLHHHHVSGSRR	3421.62	3422.62	-1.00	-292.48	7.E-10
P16403	ERSGVSLAALK	1133.65	1129.65	4.00	3531.61	7.E-10
P09651	EDTEEHHLRDYFEQYGK	2194.96	2194.96	0.00	1.30	7.E-10

Q6DKI1	TIPLTDNTVIEEHLGK	1781.82	1778.94	2.88	1614.98	7.E-10
P61254	FNPFVTSDRSK	1296.65	1296.65	0.00	2.90	7.E-10
Q9UMS4	TVPEELVKPEELSK	1594.77	1596.86	-2.09	-1310.67	7.E-10
P61313	AIRRNPDQTWITK	1597.87	1597.87	0.00	0.65	7.E-10
P62701	VNDTIQIDLETGK	1444.74	1444.74	0.00	1.10	7.E-10
P52597	SHRTEMDWVLK	1401.70	1400.69	1.01	719.16	7.E-10
P68371	IREEYPDRIMNTFSVVPSPK	2377.27	2377.21	0.06	24.91	7.E-10
P68371	IREEYPDRIMNTFSVVPSPK	2377.22	2377.21	0.01	3.12	7.E-10
O94776	DLVAQAPLKPK	1178.70	1178.70	0.00	0.78	7.E-10
O94776	DLVAQAPLKPK	1177.64	1178.70	-1.06	-896.09	7.E-10
O94776	DLVAQAPLKPK	1175.60	1178.70	-3.10	-2634.71	7.E-10
P02545	AAYEAEALGDARK	1292.64	1292.64	0.00	0.12	8.E-10
Q08211	ILTTEGRNALIHK	1464.84	1464.84	0.00	2.91	8.E-10
P16403	ERSGVSLAALK	1132.65	1129.65	3.00	2650.26	8.E-10
P06396	RYIETDPANRDRRTPITVVK	2399.30	2399.30	0.00	0.62	8.E-10

P62906	RFSGTVRLK	1066.63	1062.63	4.00	3746.21	8.E-10
O95926	(41)AAIAASEVLVDSAEESLAAAAELAAQK	2697.37	2697.37	0.00	-0.49	8.E-10
O75367	NGPLEVAGAAVSAGHGLPAK	1814.96	1814.96	0.00	0.75	8.E-10
P16989	EDVFBVHQTAIK	1285.67	1285.67	0.00	2.00	8.E-10
Q9UMS4	TVPEELVKPEELSK	1596.86	1596.86	0.00	1.56	8.E-10
Q14683	ALSRNSSAQAFGLPENPEEPYLDGINYNVCVAPGK	3691.77	3677.74	14.03	3799.51	8.E-10
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	0.71	8.E-10
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	1.82	8.E-10
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	-0.21	8.E-10
P19338	FGYVDFESAEDLEK	1647.73	1647.73	0.00	0.12	8.E-10
P30876	SAIGQRIVATLPYIK	1628.96	1628.96	0.00	1.14	9.E-10
Q14254	ELIATVRRPAEAEAHRIQQIAEGEK	2815.42	2814.51	0.91	323.41	9.E-10
Q14254	ELIATVRRPAEAEAHRIQQIAEGEK	2814.52	2814.51	0.01	2.39	9.E-10
O60812	KSDVEAIFSK	1122.59	1122.59	0.00	0.65	9.E-10
O60812	KSDVEAIFSK	1122.58	1122.59	-0.01	-11.99	9.E-10

P08670	ILLAELEQLK	1168.71	1168.71	0.00	2.14	9.E-10
P22626	SGNFGGSRNMGGPYGGGNYGPGGSGGSGGYGGRSRY	3373.44	3357.44	16.00	4741.91	1.E-09
Q13421	LRTDAVLPLTVAEVQKLLGPHVEGLK	2633.26	2795.63	-162.37	-61661.40	1.E-09
P26599	HQNVQLPREGQEDQGLTK	2076.04	2076.03	0.01	2.89	1.E-09
P16403	ERSGVSLAALK	1125.57	1129.65	-4.08	-3623.15	1.E-09
O43390	VTEGLVDVILYHQPDDK	1950.16	1939.99	10.17	5212.73	1.E-09
O43390	VTEGLVDVILYHQPDDK	1945.20	1939.99	5.21	2677.84	1.E-09
P68104	IGGIGTVPVGRVETGVLK	1751.03	1751.03	0.00	2.02	1.E-09
P30876	GFDQEEVFEK	1228.68	1226.55	2.13	1737.47	1.E-09
A6NI71	ALPLIVGAQLIHADK	1557.92	1557.92	0.00	0.50	1.E-09
A6NI71	ALPLIVGAQLIHADK	1554.75	1557.92	-3.17	-2035.82	1.E-09
O43390	VTEGLVDVILYHQPDDK	1942.10	1939.99	2.11	1085.49	1.E-09
Q9H6F5	AEVVQVIRNPAK	1323.72	1322.77	0.95	717.52	1.E-09
Q9H6F5	AEVVQVIRNPAK	1322.77	1322.77	0.00	2.72	1.E-09
Q9NWH9	(41)AAATGAVAASAASGQAE GK	1630.81	1629.80	1.01	618.15	1.E-09

P07355	DIISDTSGDFRK	1355.67	1352.66	3.01	2221.35	1.E-09
P49736	RGLALALFGGEPK	1327.76	1327.76	0.00	1.90	1.E-09
P49736	RGLALALFGGEPK	1327.74	1327.76	-0.02	-12.48	1.E-09
P09651	EDTEEHHLRDYFEQYGK	2195.95	2194.96	0.99	449.17	1.E-09
O60506	LDEIYVAGLVAHSDDLDERAIEALK	2639.38	2639.38	0.00	-1.54	1.E-09
P42677	DLLHPSPEEEK	1292.62	1292.62	0.00	0.92	1.E-09
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	-0.17	1.E-09
P16403	ERSGVSLAALK	1129.64	1129.65	-0.01	-11.68	1.E-09
P16403	ERSGVSLAALK	1129.62	1129.65	-0.03	-22.75	1.E-09
P16403	ERSGVSLAALK	1127.63	1129.65	-2.02	-1795.28	1.E-09
Q9H307	(41)AVAVRTLQEQLEK	1525.85	1525.85	0.00	2.68	1.E-09
P61978	IILDLISESPIK	1339.80	1339.80	0.00	2.36	1.E-09
P08107	EIAEAYLGYPVTVNAVITVPAYFNDSQRQATK	3428.74	3428.73	0.01	2.86	1.E-09
Q15293	TFDQLTPDESK	1280.60	1279.59	1.01	787.06	1.E-09
P56182	LQDLAGGIFPEDEIPEKACRRLLLEGRRQKKTCK	3761.99	3879.13	-117.14	-31137.90	1.E-09

Q6DKI1	TIPLTDNTVIEEHLGK	1778.94	1778.94	0.00	0.85	1.E-09
O60812	KSDVEAIFSK	1119.66	1122.59	-2.93	-2618.44	1.E-09
P06748	MSVQPTVSLGGFEITPPVVLRLK	2483.39	2467.39	16.00	6442.49	1.E-09
P06748	MSVQPTVSLGGFEITPPVVLRLK	2467.39	2467.39	0.00	1.74	1.E-09
P41219	MALDIEIATYRK	1445.75	1422.75	23.00	15908.90	1.E-09
P41219	MALDIEIATYRK	1443.83	1422.75	21.08	14600.20	1.E-09
P41219	MALDIEIATYRK	1443.71	1422.75	20.96	14519.60	1.E-09
P41219	MALDIEIATYRK	1439.75	1422.75	17.00	11808.90	1.E-09
P08758	TLFGRDLLDDLK	1404.76	1404.76	0.00	0.96	1.E-09
P16403	(51)SETAPAAPAAAPPAEK	1519.78	1519.75	0.03	20.45	1.E-09
P16403	(51)SETAPAAPAAAPPAEK	1519.75	1519.75	0.00	-0.81	1.E-09
P16403	(51)SETAPAAPAAAPPAEK	1519.72	1519.75	-0.03	-17.39	1.E-09
P16403	(51)SETAPAAPAAAPPAEK	1519.70	1519.75	-0.05	-31.73	1.E-09
Q99459	DLPRPSEVNETILRPLNVEPPLTDLQK	3090.50	3082.67	7.83	2535.09	1.E-09
Q8TDN6	PIEIQWVKPEPK	1466.86	1462.82	4.04	2753.26	1.E-09

Q14684	TPTSSPASSPLVAK	1341.71	1341.71	0.00	0.39	1.E-09
Q9H6F5	AEVVQVIRNPAK	1324.70	1322.77	1.93	1460.33	2.E-09
P11142	NSLESYAFNMK	1303.73	1302.59	1.14	875.08	2.E-09
P11142	NSLESYAFNMK	1303.59	1302.59	1.00	770.30	2.E-09
P02545	LESTESRSSFSQHARTSGRVAVEEVDEEGK	3316.59	3306.57	10.02	3019.82	2.E-09
P02545	AAYEAEELGDARK	1293.64	1292.64	1.00	775.76	2.E-09
O76021	SAALPIFSSFVSNWDEATK	2069.01	2069.01	0.00	-0.07	2.E-09
P63220	QNDAGEFVDLYVPRK	1938.92	1749.87	189.05	97501.60	2.E-09
P61313	AIRRNPDQTWITK	1597.87	1597.87	0.00	1.40	2.E-09
P61313	AIRRNPDQTWITK	1597.85	1597.87	-0.02	-10.99	2.E-09
P63220	QNDAGEFVDLYVPRK	1938.92	1749.87	189.05	97501.60	2.E-09
O60812	VDSLLENLEK	1162.69	1158.61	4.08	3509.27	2.E-09
P08729	LEAAIAEAEERGELALK	1813.12	1811.96	1.16	637.06	2.E-09
P11142	NQVAMNPTNTVFDK	1657.84	1648.79	9.05	5461.74	2.E-09
Q7L014	ALELSGTAVPPDLEK	1538.82	1538.82	0.00	1.47	2.E-09

P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	1.67	2.E-09
Q14103	IFVGGLSPDTPEEK	1551.78	1487.75	64.03	41259.30	2.E-09
Q14103	IFVGGLSPDTPEEK	1551.72	1487.75	63.97	41225.30	2.E-09
Q14103	IFVGGLSPDTPEEK	1545.85	1487.75	58.10	37581.60	2.E-09
O95816	HATRIIDEVVNK	1393.77	1393.77	0.00	0.19	2.E-09
P32969	FLDGIYVSEK	1169.60	1169.60	0.00	-0.10	2.E-09
P32969	FLDGIYVSEK	1169.59	1169.60	-0.01	-11.90	2.E-09
P62701	GIRLTIAEERDK	1399.78	1399.78	0.00	0.43	2.E-09
P16401	ATGPPVSELITK	1211.65	1211.68	-0.03	-22.47	2.E-09
P16401	ATGPPVSELITK	1211.55	1211.68	-0.13	-111.28	2.E-09
Q96125	HEQGLSTALSVEK	1397.72	1397.72	0.00	2.69	2.E-09
P50995	TPVLFDIYEIK	1336.73	1336.73	0.00	2.15	2.E-09
Q07021	AFVDFLSDEIK	1289.63	1282.64	6.99	5420.92	2.E-09
P08670	ILLAELEQLK	1168.71	1168.71	0.00	2.14	2.E-09
O95816	HATRIIDEVVNK	1393.75	1393.77	-0.02	-12.94	2.E-09

Q9H307	(41)AVAVRTLQEQLK	1529.85	1525.85	4.00	2616.85	2.E-09
Q92522	ALVQNDTLLQVK	1344.71	1340.77	3.94	2928.94	2.E-09
Q92522	ALVQNDTLLQVK	1340.77	1340.77	0.00	0.41	2.E-09
P16989	(51)SEAGEATTTTTTLPQAPTEAAAAAPQDPAPK	3136.51	3136.50	0.01	4.03	2.E-09
A6NGW7	LVVDFSATWCGPCKMIK	1775.82	2010.97	-235.15	-132415.00	2.E-09
A6NGW7	LVVDFSATWCGPCKMIK	1771.84	2010.97	-239.13	-134962.00	2.E-09
P62906	RFSGTVRLK	1062.63	1062.63	0.00	0.85	3.E-09
P62906	RFSGTVRLK	1062.62	1062.63	-0.01	-9.50	3.E-09
P26599	LPIDVTEGEVISLGLPFGK	1983.09	1983.09	0.00	1.27	3.E-09
P20700	QLADETLLKVDLENRCQSLTEDLEFRK	2993.44	3262.65	-269.21	-89931.90	3.E-09
P08579	MRGQAFVIFK	1195.65	1195.65	0.00	1.20	3.E-09
P16401	ATGPPVSELITK	1215.63	1211.68	3.95	3248.19	3.E-09
P16401	ATGPPVSELITK	1211.68	1211.68	0.00	-0.27	3.E-09
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	-0.14	3.E-09
Q12905	ILITTVPPNLRK	1363.86	1363.86	0.00	2.50	3.E-09

O75533	VGAAEIIISRIVDDLK	1597.87	1597.90	-0.03	-16.13	3.E-09
P62258	AAFDDAIAELDTLSEESYK	2086.96	2086.96	0.00	-0.20	3.E-09
P36578	ACARPLISVYSEK	1443.77	1492.77	-49.00	-33936.10	3.E-09
Q9UQE7	MNLPGEVTFPLNK	1595.90	1571.84	24.06	15073.30	3.E-09
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2837.37	2833.44	3.93	1384.83	3.E-09
P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.44	2833.44	0.00	1.15	3.E-09
Q9Y2W2	RAQLSQYFDAVK	1424.74	1424.74	0.00	0.28	3.E-09
P31946	TAFDEAIAELDTLNEESYK	2165.33	2158.00	7.33	3384.74	3.E-09
Q15424	FDFDACNEVPPAPK	1605.71	1605.71	0.00	1.05	3.E-09
P06748	MSVQPTVSLGGFEITPPVVLRLK	2483.39	2467.39	16.00	6441.57	3.E-09
P62906	FLETVELQISLK	1418.80	1418.80	0.00	1.23	3.E-09
Q8TED0	FLLQGLVEK	1158.70	1158.70	0.00	0.94	3.E-09
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	0.68	3.E-09
P34931	VEIANDQGNRTTPSYVAFTDTERLIGDAAK	3377.48	3364.69	12.79	3787.75	3.E-09
P35527	VQALEEANNDLENK	1585.76	1585.76	0.00	0.47	3.E-09

O60812	VDSLLENLEK	1158.61	1158.61	0.00	-0.43	3.E-09
O60812	VDSLLENLEK	1158.60	1158.61	-0.01	-11.39	3.E-09
O60812	VDSLLENLEK	1158.59	1158.61	-0.02	-20.19	3.E-09
Q6KB66	VTVNPGLLVPLDVK	1462.88	1462.88	0.00	2.07	3.E-09
O75533	VGAAEIIISRVDDLK	1597.90	1597.90	0.00	1.08	3.E-09
P84090	IYVLLRRQAQQAGK	1671.96	1642.96	29.00	17344.50	4.E-09
O00567	FNVNRVDNMIIQSISLLDQLDK	2574.35	2574.35	0.00	-0.41	4.E-09
P26373	LILFPRKPSAPK	1369.80	1365.85	3.95	2887.05	4.E-09
Q9UMS4	TVPEELVKPEELSK	1594.77	1596.86	-2.09	-1310.48	4.E-09
Q09028	IGEEQSPEDAEDGPPELLFIHGGHTAK	2873.36	2872.35	1.01	350.68	4.E-09
O43395	QLSFISPPTPQPK	1438.78	1438.78	0.00	-0.14	4.E-09
Q15424	FDFDACNEVPPAPK	1610.89	1605.71	5.18	3216.59	4.E-09
Q9NX63	RRVAEELALEQAK	1511.84	1511.84	0.00	1.15	4.E-09
Q9NX63	RRVAEELALEQAK	1507.77	1511.84	-4.07	-2700.25	4.E-09
Q9H307	(41)AVAVRTLQEQLK	1525.85	1525.85	0.00	0.78	4.E-09

Q9UMS4	YIAENGTDPINNQLSEEQQLIDIK	2714.32	2713.34	0.98	362.52	4.E-09
Q9UMS4	YIAENGTDPINNQLSEEQQLIDIK	2713.35	2713.34	0.01	3.16	4.E-09
P12956	IQVTPPGFQLVFLPFADDK	2131.14	2131.14	0.00	-0.86	4.E-09
Q9H307	(41)AVAVRTLQEQLK	1525.85	1525.85	0.00	1.04	4.E-09
Q9H307	(41)AVAVRTLQEQLK	1525.85	1525.85	0.00	0.58	4.E-09
P08758	PSRLYDAYELK	1353.69	1353.69	0.00	0.85	4.E-09
Q92522	(51)SVELEEALPVTTAEGMAK	1931.94	1915.94	16.00	8279.57	4.E-09
Q92522	(51)SVELEEALPVTTAEGMAK	1931.89	1915.94	15.95	8258.48	4.E-09
O60506	LDEIYVAGLVAHSDLDERAIEALK	2641.43	2639.38	2.05	774.29	5.E-09
P05783	IMADIRAQYDELARK	1791.93	1791.93	0.00	2.11	5.E-09
P17980	APSIIFIDELDAIGTKRFDSEK	2565.16	2464.28	100.88	39328.50	5.E-09
Q9UMS4	TVPEELVKPEELSK	1596.86	1596.86	0.00	1.81	5.E-09
Q9UMS4	TVPEELVKPEELSK	1596.84	1596.86	-0.02	-14.85	5.E-09
Q8NC51	KEETQPPVALK	1238.69	1238.69	0.00	2.56	5.E-09
O00148	LTLHGLQQYYVK	1461.80	1461.80	0.00	2.06	5.E-09

O00148	LTLHGLQQYYVK	1461.78	1461.80	-0.02	-15.93	5.E-09
Q9UMS4	VAHPIRPKPPSATSIPAILK	2092.26	2092.25	0.01	4.77	5.E-09
Q8WVM7	RANERLELLLQK	1481.87	1481.87	0.00	1.22	5.E-09
O95391	ALNAEEARLLHVK	1466.71	1462.83	3.88	2647.17	5.E-09
P11940	NLDDGIDDERLRK	1557.77	1557.77	0.00	0.79	5.E-09
P08174	QPYITQNYFPVGTVVEYECRPGYRREPSLSPK	3843.91	3829.89	14.02	3646.53	5.E-09
P08174	QPYITQNYFPVGTVVEYECRPGYRREPSLSPK	3833.91	3829.89	4.02	1047.63	5.E-09
P67809	(51)SSEAETQQPPAAPPAALSAADTKPGTTGSGAGSGGP GGLTSAAPAGGDK	4513.17	4513.15	0.02	3.34	5.E-09
P02545	ERARLQLELSK	1341.77	1341.77	0.00	0.28	5.E-09
P02545	ERARLQLELSK	1339.79	1341.77	-1.98	-1474.57	5.E-09
P05787	WSLLQQQK	1029.56	1029.56	0.00	2.50	5.E-09
P26373	LILFPRKPSAPK	1365.85	1365.85	0.00	0.66	5.E-09
P08107	DAGVIAGLNVLRIINEPTAAAAYGLDRTGK	3153.79	3151.74	2.05	648.85	5.E-09
P69905	VGAHAGEYGAEALERMFLSFPTTK	2597.26	2581.26	16.00	6159.81	5.E-09
Q9BZK7	LAQQQAAAAAAAAAAAAASQQGSAK	2054.05	2054.05	0.00	1.74	6.E-09

P08670	FADLSEAAANRRNDALRQAK	2104.02	2103.05	0.97	463.16	6.E-09
P08670	FADLSEAAANRRNDALRQAK	2103.06	2103.05	0.01	3.24	6.E-09
Q99848	PGLNVVLEGP	1121.64	1121.64	0.00	0.96	6.E-09
Q99848	PGLNVVLEGP	1121.56	1121.64	-0.08	-73.67	6.E-09
Q99848	PGLNVVLEGP	1118.56	1121.64	-3.08	-2753.10	6.E-09
Q96125	HEQGLSTALSVEK	1397.72	1397.72	0.00	2.84	6.E-09
P09651	RAVSREDSQRPGAHLTVK	2006.08	2006.08	0.00	0.88	6.E-09
Q15393	TPVEEVPAAIAPFQGRVLIGVGK	2347.34	2347.33	0.01	3.07	6.E-09
P11940	ALYDTFSAFGNILSCK	1819.88	1805.87	14.01	7700.56	6.E-09
P11940	ALYDTFSAFGNILSCK	1817.95	1805.87	12.08	6645.36	6.E-09
O95391	ALNAEEARLLHVK	1462.83	1462.83	0.00	1.11	6.E-09
P50914	MTDFDRFK	1058.49	1058.49	0.00	0.75	6.E-09
Q03252	ALYESELADARRVLDETARERARLQIEIGK	3471.86	3470.86	1.00	287.48	6.E-09
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	-0.54	6.E-09
Q8TDN6	TLLPHDPTADVFTPAEEK	2079.06	2079.05	0.01	2.46	6.E-09

P08729	NKYEDEINRRTAAENEFVVLK	2537.30	2537.29	0.01	2.34	7.E-09
O60508	PSLAVAVDSAPEVAVK	1555.75	1551.85	3.90	2507.68	7.E-09
O60508	PSLAVAVDSAPEVAVK	1554.84	1551.85	2.99	1924.01	7.E-09
Q14978	RGAAGDWGERANQVLK	1726.89	1726.89	0.00	1.93	7.E-09
P02545	ERARLQLELSK	1341.77	1341.77	0.00	-0.09	7.E-09
P02545	ERARLQLELSK	1339.79	1341.77	-1.98	-1475.24	7.E-09
Q9UKX7	GLVVPSGGGRFSGFGSGAGGK	1849.95	1849.94	0.01	2.74	7.E-09
Q9UKX7	GLVVPSGGGRFSGFGSGAGGK	1848.90	1849.94	-1.04	-564.73	7.E-09
P02545	ERARLQLELSK	1341.77	1341.77	0.00	-0.09	7.E-09
P68104	DGNASGTTLLEALDCILPPTPTDK	2661.36	2654.32	7.04	2644.59	7.E-09
P39023	PVHLTAFLGYK	1244.69	1244.69	0.00	2.96	7.E-09
Q9H307	(41)AVAVRTLQEQLK	1525.85	1525.85	0.00	0.58	7.E-09
P08107	HWPFQVINDGDKPK	1679.84	1679.84	0.00	0.92	7.E-09
P15880	VTGRCGSVLVRLIPAPRGTGIVSAPVPK	2856.65	2856.65	0.00	0.59	7.E-09
P17676	APPTACYAGAAPAPSQVK	1769.88	1755.86	14.02	7922.69	7.E-09

O75340	AGVNFSEFTGVWK	1441.78	1440.70	1.08	747.94	7.E-09
O75340	AGVNFSEFTGVWK	1441.76	1440.70	1.06	732.34	7.E-09
O75340	AGVNFSEFTGVWK	1440.70	1440.70	0.00	0.46	7.E-09
P08107	HWPFQVINDGDKPK	1679.84	1679.84	0.00	-0.27	7.E-09
P06748	CGSGPVHISGQHLVAVEEDAE(37)SEDEEEEDVK	3442.41	3459.43	-17.02	-4945.42	8.E-09
P16403	(51)SETAAPAAAPPAEK	1519.76	1519.75	0.01	3.34	8.E-09
P16403	(51)SETAAPAAAPPAEK	1519.75	1519.75	0.00	2.94	8.E-09
Q6P6C2	(41)AAASGYTDLREK	1322.65	1322.65	0.00	1.92	8.E-09
P68104	GSF(75)KYAWVLDK	1340.71	1340.71	0.00	2.73	8.E-09
P02545	ERARLQLELSK	1339.79	1341.77	-1.98	-1474.57	8.E-09
P06748	VDNDENEHQLSLRTVSLGAGAK	2352.18	2352.17	0.01	2.67	8.E-09
P11142	SENVQDLLLLDVTPLSLGIETAGGVMTVLIKRNTTIPTK	4334.30	4149.30	185.00	42682.70	8.E-09
Q9H307	(41)AVAVRTLQEULEK	1525.85	1525.85	0.00	0.97	9.E-09
Q6P6C2	(41)AAASGYTDLREK	1322.65	1322.65	0.00	2.23	9.E-09
Q09028	TPSSDVLVFDYTK	1482.77	1470.72	12.05	8125.18	9.E-09

P05783	GLQAQIASSGLTVEVDAPK	1883.01	1883.00	0.01	4.53	9.E-09
P07910	LKGDDLQAIKK	1227.72	1227.72	0.00	-0.61	9.E-09
P41219	MALDIEIATYRK	1441.77	1422.75	19.02	13191.50	9.E-09
P41219	MALDIEIATYRK	1438.76	1422.75	16.01	11126.00	9.E-09
P41219	MALDIEIATYRK	1438.74	1422.75	15.99	11112.60	9.E-09
P41219	MALDIEIATYRK	1434.75	1422.75	12.00	8364.86	9.E-09
P41219	MALDIEIATYRK	1433.76	1422.75	11.01	7679.11	9.E-09
P41219	MALDIEIATYRK	1433.75	1422.75	11.00	7669.91	9.E-09
P46781	QVVNIPSFIVRLDSQK	1842.04	1842.04	0.00	0.65	9.E-09
P46781	QVVNIPSFIVRLDSQK	1842.02	1842.04	-0.02	-11.95	9.E-09
P47914	AQAAAPASVPAQAPK	1376.74	1376.74	0.00	-0.13	9.E-09
P35659	LLYNRP GTVSSLK	1446.82	1446.82	0.00	2.53	1.E-08
P05783	GPQVRDWSHYFK	1518.74	1518.74	0.00	2.45	1.E-08
P05783	GPQVRDWSHYFK	1514.76	1518.74	-3.98	-2627.93	1.E-08
P20700	ESRACLERIQELEDLLAK	2172.12	2172.12	0.00	0.12	1.E-08

Q8WWY3	RFPELESVLPNALDYIRTVK	2371.35	2359.29	12.06	5085.07	1.E-08
P02545	ERARLQLELSK	1342.77	1341.77	1.00	747.24	1.E-08
O60812	VDSLLENLEK	1160.64	1158.61	2.03	1747.40	1.E-08
O60812	VDSLLENLEK	1158.66	1158.61	0.05	41.00	1.E-08
O60812	VDSLLENLEK	1158.61	1158.61	0.00	1.04	1.E-08
O60812	VDSLLENLEK	1156.56	1158.61	-2.05	-1775.43	1.E-08
Q9NQ55	TEEELQAILEAK	1382.69	1372.71	9.98	7216.78	1.E-08
Q9NQ55	TEEELQAILEAK	1380.66	1372.71	7.95	5759.17	1.E-08
P68104	GSF(75)KYAWVLDK	1340.77	1340.71	0.06	45.02	1.E-08
P09651	GGNFGGRSSGPYGGGGQYFAK	1891.83	2019.92	-128.09	-67706.30	1.E-08
P78346	(41)AVFADLDRAGSDLK	1631.85	1631.85	0.00	-1.95	1.E-08
Q05519	LNHVAAGLVSPSLK	1407.84	1404.81	3.03	2149.50	1.E-08
Q12906	EPPLSLTIHLTSPVVREEMEK	2404.27	2404.27	0.00	-0.31	1.E-08
P08174	QPYITQNYFPVGTWVEYECRPGYRREPSLSPK	3843.91	3829.89	14.02	3646.74	1.E-08
Q9NVP1	VPPFVDLNVNSNEGK	1631.84	1627.82	4.02	2465.95	1.E-08

Q9NVP1	VPPFVDLNVNSNEGK	1631.78	1627.82	3.96	2424.20	1.E-08
P20700	ALYETELADARRALDDTARERAK	2633.35	2633.35	0.00	0.54	1.E-08
Q9UMS4	VAHPIRPKPPSATSIPAILK	2092.26	2092.25	0.01	4.62	1.E-08
Q9Y224	AIRILVQERLTQDAVAK	1923.13	1923.13	0.00	0.83	1.E-08
P60709	QEYDESGPSIVHRK	1626.77	1643.79	-17.02	-10464.90	1.E-08
P08758	PSRLYDAYELK	1353.78	1353.69	0.09	65.19	1.E-08
P61247	APAMFNIRNIGK	1334.72	1330.72	4.00	2998.86	1.E-08
P61247	APAMFNIRNIGK	1334.69	1330.72	3.97	2973.76	1.E-08
P61247	APAMFNIRNIGK	1334.67	1330.72	3.95	2958.67	1.E-08
Q13838	HFILDEC DK	1184.75	1175.53	9.22	7785.77	1.E-08
Q13838	HFILDEC DK	1175.53	1175.53	0.00	1.71	1.E-08
Q13838	HFILDEC DK	1175.52	1175.53	-0.01	-10.54	1.E-08
Q3BDU5	LLEGEEERLRLSPSPTSQRSRGRASSHSSQTQGGGSVTK	4152.10	4152.10	0.00	0.51	1.E-08
P20700	ALYETELADARRALDDTARERAK	2633.35	2633.35	0.00	1.79	1.E-08
O75526	SRGFAFVTFESPADAK	1728.86	1728.85	0.01	3.59	1.E-08

P20700	ALYETELADARRALDDTARERAK	2633.35	2633.35	0.00	0.50	1.E-08
P62906	VLCLAVAVGHVK	1264.73	1264.73	0.00	1.48	1.E-08
P62906	VLCLAVAVGHVK	1263.77	1264.73	-0.96	-759.65	1.E-08
P16401	ATGPPVSELITK	1216.61	1211.68	4.93	4055.67	1.E-08
P16401	ATGPPVSELITK	1215.63	1211.68	3.95	3248.92	1.E-08
P16401	ATGPPVSELITK	1212.66	1211.68	0.98	805.49	1.E-08
O43660	QYPANQQQEVEYFVAGTHPYPPGPGVALTADTK	3501.69	3501.68	0.01	3.76	1.E-08
Q9NVP1	VPPFVDLNVNSNEGK	1632.73	1627.82	4.91	3009.76	1.E-08
Q9NVP1	VPPFVDLNVNSNEGK	1631.84	1627.82	4.02	2464.97	1.E-08
Q9NVP1	VPPFVDLNVNSNEGK	1631.78	1627.82	3.96	2424.07	1.E-08
P62917	LARASGNYATVISHNPETK	2028.04	2028.04	0.00	0.38	1.E-08
P46777	GAVDGGLSIPHSTK	1341.64	1337.69	3.95	2943.34	1.E-08
P46777	GAVDGGLSIPHSTK	1339.64	1337.69	1.95	1457.63	1.E-08
P46782	(52)TEWETAAPAVAETPDIK	1869.90	1869.90	0.00	-0.44	1.E-08
P46782	(52)TEWETAAPAVAETPDIK	1869.86	1869.90	-0.04	-20.28	1.E-08

P08758	PSRLYDAYELK	1353.69	1353.69	0.00	0.63	1.E-08
Q9NVP1	ISDIQSQLEK	1159.61	1159.61	0.00	0.99	1.E-08
Q01082	LSDLQKEAEK	1159.58	1159.61	-0.03	-26.95	1.E-08
P08670	VESLQEEIAFLK	1407.76	1404.75	3.01	2140.19	1.E-08
P08670	VESLQEEIAFLK	1406.76	1404.75	2.01	1428.95	1.E-08
Q04695	VRALEEANTELEVK	1599.85	1599.85	0.00	1.77	1.E-08
O60812	KSDVEAIFSK	1127.56	1122.59	4.97	4410.33	1.E-08
P16403	(51)SETAPAAPAAAPPAEK	1519.76	1519.75	0.01	3.34	2.E-08
P16403	(51)SETAPAAPAAAPPAEK	1519.76	1519.75	0.01	3.87	2.E-08
Q14978	RGAAGDWGERANQVLK	1729.90	1726.89	3.01	1740.29	2.E-08
Q14978	RGAAGDWGERANQVLK	1726.89	1726.89	0.00	1.69	2.E-08
P22626	RGFGFVTFDDHDPVDK	1852.87	1850.86	2.01	1083.83	2.E-08
O43390	IPRDLYEDELVPLFEK	1975.04	1975.03	0.01	3.80	2.E-08
P46782	(52)TEWETAAPAVAETPDIK	1885.90	1869.90	16.00	8482.74	2.E-08
Q6P6C2	(41)AAASGYTDLREK	1325.72	1322.65	3.07	2314.78	2.E-08

P16403	ERSGVSLAALK	1132.65	1129.65	3.00	2649.02	2.E-08
P16403	ERSGVSLAALK	1131.66	1129.65	2.01	1774.13	2.E-08
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	0.18	2.E-08
P16403	ERSGVSLAALK	1125.57	1129.65	-4.08	-3623.77	2.E-08
O60506	LDEIYVAGLVAHSDLDERAIEALK	2639.38	2639.38	0.00	-0.86	2.E-08
Q9NVP1	VPPFVDLNVNSNEGK	1632.73	1627.82	4.91	3010.01	2.E-08
Q9NVP1	VPPFVDLNVNSNEGK	1627.82	1627.82	0.00	0.27	2.E-08
P02545	ERARLQLELSK	1341.77	1341.77	0.00	-0.17	2.E-08
Q12906	EATDAIGHLDLDRQQREDITQSAQHALRLAAFGQLHK	3924.01	3924.01	0.00	-1.18	2.E-08
P20700	DAALATALGDKK	1176.67	1172.64	4.03	3427.49	2.E-08
P20700	DAALATALGDKK	1174.57	1172.64	1.93	1644.97	2.E-08
P20700	DAALATALGDKK	1173.64	1172.64	1.00	855.74	2.E-08
P20700	DAALATALGDKK	1171.68	1172.64	-0.96	-817.51	2.E-08
P08174	QPYITQNYFPVGTWVEYECRPGYRREPSLSPK	3843.91	3829.89	14.02	3647.51	2.E-08
P08174	QPYITQNYFPVGTWVEYECRPGYRREPSLSPK	3831.90	3829.89	2.01	524.23	2.E-08

Q8N108	DNEQALYELVK	1322.66	1320.66	2.00	1511.18	2.E-08
Q8N108	DNEQALYELVK	1320.66	1320.66	0.00	1.34	2.E-08
P06748	MSVQPTVSLGGFEITPPVVLRLK	2483.38	2467.39	15.99	6439.57	2.E-08
P06748	MSVQPTVSLGGFEITPPVVLRLK	2483.32	2467.39	15.93	6415.24	2.E-08
P62701	GIRLTIAEERDK	1399.78	1399.78	0.00	0.58	2.E-08
Q13243	GYGRIRDIDLK	1304.72	1304.72	0.00	0.03	2.E-08
Q13243	GYGRIRDIDLK	1303.64	1304.72	-1.08	-827.03	2.E-08
Q5XKE5	YEELQVTAGK	1136.57	1136.57	0.00	2.43	2.E-08
Q9BQ39	SRYEQVDLVGK	1297.66	1292.67	4.99	3846.03	2.E-08
P16401	ATGPPVSELITK	1211.68	1211.68	0.00	0.64	2.E-08
P16401	ATGPPVSELITK	1216.61	1211.68	4.93	4054.45	2.E-08
P16401	ATGPPVSELITK	1215.63	1211.68	3.95	3248.27	2.E-08
P16401	ATGPPVSELITK	1211.68	1211.68	0.00	0.14	2.E-08
A6NJC9	STYQEFTDHLVK	1469.76	1466.70	3.06	2079.83	2.E-08
Q05519	LNHVAAGLVSPSLK	1404.81	1404.81	0.00	-0.54	2.E-08

P08670	VESLQEEIAFLK	1406.76	1404.75	2.01	1429.23	2.E-08
O75367	GVTIASGGVLPNIHPELLAK	1864.89	1985.13	-120.24	-64475.90	2.E-08
O75367	GVTIASGGVLPNIHPELLAK	1864.85	1985.13	-120.28	-64496.60	2.E-08
O60812	KSDVEAIFSK	1123.58	1122.59	0.99	881.41	2.E-08
O60812	KSDVEAIFSK	1122.59	1122.59	0.00	-0.41	2.E-08
P09651	EDTEEHHLRDYFEQYGK	2194.96	2194.96	0.00	1.03	2.E-08
P62258	AAFDDAIAELDTLSEESYK	2086.96	2086.96	0.00	2.20	2.E-08
P22626	RGFGFVTFDDHDPVDK	1854.86	1850.86	4.00	2155.63	2.E-08
Q9NVP1	VPPFVDLNVNSNEGK	1627.82	1627.82	0.00	-0.03	2.E-08
P42677	DLLHPSPEEEK	1292.62	1292.62	0.00	-0.09	2.E-08
Q13243	GYGRIRDIDLK	1307.78	1304.72	3.06	2340.87	2.E-08
P14136	VRFLEQQNK	1160.63	1160.63	0.00	-0.34	2.E-08
P62736	EITALAPSTMK	1160.61	1160.61	0.00	1.56	2.E-08
P62736	EITALAPSTMK	1160.60	1160.61	-0.01	-10.85	2.E-08
P46781	IEDFLERRLQTQVFK	1921.04	1921.04	0.00	0.83	2.E-08

P02545	RQNGDDPLLTYRFPPK	1916.98	1915.99	0.99	514.86	2.E-08
P15880	VTGRCGSVLRLIPAPRGTGIVSAPVPK	2856.65	2856.65	0.00	-0.22	2.E-08
P16401	ATGPPVSELITK	1211.55	1211.68	-0.13	-110.54	2.E-08
Q9NX34	(51)SVQPTVSLGGFEITPPVVLRLK	2419.39	2378.36	41.03	16957.60	2.E-08
P16401	ATGPPVSELITK	1211.65	1211.68	-0.03	-22.72	2.E-08
P16401	ATGPPVSELITK	1211.55	1211.68	-0.13	-111.37	2.E-08
O60506	IPRDLFEDELVPLFEK	1959.04	1959.04	0.00	0.83	2.E-08
Q9Y265	GLGLDESLAK	1061.63	1058.56	3.07	2887.22	2.E-08
P28370	RDFNQFIK	1066.56	1066.56	0.00	1.06	2.E-08
P27635	IRIFDLGRK	1116.68	1116.68	0.00	0.60	2.E-08
P27635	IRIFDLGRK	1116.67	1116.68	-0.01	-11.32	2.E-08
P08729	LEAAIAEAEERGELALK	1811.96	1811.96	0.00	2.30	2.E-08
A3R0T7	AVTASKERSGVSLAALK	1691.87	1686.96	4.91	2904.65	2.E-08
O14979	DLTEYLSRFGEVVDCTIK	2158.06	2144.05	14.01	6493.27	2.E-08
O14979	DLTEYLSRFGEVVDCTIK	2154.07	2144.05	10.02	4649.43	2.E-08

Q53HU8	VELQELNDRFANYIDK	1965.98	1965.98	0.00	2.15	2.E-08
Q7L2J0	GRDPVEILIPK	1237.72	1235.72	2.00	1617.29	2.E-08
Q7L2J0	GRDPVEILIPK	1235.72	1235.72	0.00	1.27	2.E-08
P08107	EIAEAYLGYPVNAVITVPAYFNDSQRQATK	3428.74	3428.73	0.01	1.70	2.E-08
P61247	APAMFNIRNIGK	1330.72	1330.72	0.00	1.01	2.E-08
P61247	APAMFNIRNIGK	1330.62	1330.72	-0.10	-74.14	2.E-08
P06748	VDNDENEHQLSLRTVSLGAGAK	2409.19	2352.17	57.02	23668.60	2.E-08
Q13243	LNEGVVEFASYGDLK	1639.81	1639.81	0.00	-0.01	3.E-08
O14639	FPAAQAPDPSETPK	1454.70	1454.70	0.00	2.11	3.E-08
Q9NYF8	DRLLASTLVHSVK	1437.83	1437.83	0.00	1.23	3.E-08
O43395	PFLDDSTLRFVDK	1551.79	1551.79	0.00	0.40	3.E-08
P07355	DIISDTSGDFRK	1354.74	1352.66	2.08	1533.74	3.E-08
P07355	DIISDTSGDFRK	1352.66	1352.66	0.00	-0.06	3.E-08
O60812	LKGDDLQAIK	1099.62	1099.62	0.00	0.00	3.E-08
P62753	RMATEVAADALGEEWK	1781.99	1775.85	6.14	3445.53	3.E-08

Q9BQ39	SRYEQVDLVGK	1296.68	1292.67	4.01	3090.63	3.E-08
O43390	IPRDLYEDELVPLFEK	1976.04	1975.03	1.01	508.90	3.E-08
Q9Y2W1	WEGLVYAPPGK	1215.63	1215.63	0.00	1.25	3.E-08
Q14254	IRQEEIEIEVVQRK	1767.98	1767.98	0.00	2.40	3.E-08
P52597	HSGPNSADSANDGFVRLRGLPFGCTK	2759.33	2759.32	0.01	2.63	3.E-08
P60709	YPIE(317)HGIVTNWDDMEK	1911.90	1959.90	-48.00	-25106.00	3.E-08
P61978	GSDFDCELRLLIHQSLAGGIIGVK	2611.38	2597.36	14.02	5368.84	3.E-08
Q9NX34	SVQPTVSLGGFEITPPVVLRLK	2339.29	2336.35	2.94	1258.41	3.E-08
P40429	VFDGIPPPYDK	1246.64	1246.62	0.02	13.27	3.E-08
P40429	VFDGIPPPYDK	1246.62	1246.62	0.00	1.64	3.E-08
P07355	(51)STVHEILCK	1131.56	1127.56	4.00	3538.52	3.E-08
P07355	(51)STVHEILCK	1127.56	1127.56	0.00	1.76	3.E-08
P07355	AYTNFDAERDALNIETAIK	2154.07	2154.06	0.01	2.47	3.E-08
P08758	TLFGRDLLDDLK	1404.76	1404.76	0.00	0.61	3.E-08
P07900	IRYESLTDPSK	1307.67	1307.67	0.00	0.68	3.E-08

Q9BUH6	VPGPEAAPRLRALTLGLAK	1929.15	1929.15	0.00	0.72	3.E-08
P46781	AARELLTLDEK	1256.63	1257.69	-1.06	-845.06	3.E-08
Q15393	KLEDIRTRYAF	1412.68	1410.76	1.92	1362.35	3.E-08
P62841	HGRPGIGATHSSRFIPLK	1928.04	1930.06	-2.02	-1045.46	3.E-08
O00425	ILAHNNFVGRLLIGK	1551.91	1550.90	1.01	648.17	3.E-08
Q9Y224	YLRDVNCPFK	1316.69	1310.64	6.05	4598.60	3.E-08
Q9Y224	YLRDVNCPFK	1315.68	1310.64	5.04	3829.78	3.E-08
Q9Y224	YLRDVNCPFK	1311.64	1310.64	1.00	765.73	3.E-08
P11021	PYIQVDIGGGQTK	1376.75	1374.71	2.04	1482.39	3.E-08
Q14683	TRHLALNLQEK	1321.75	1321.75	0.00	3.01	3.E-08
P08670	VESLQEEIAFLK	1407.76	1404.75	3.01	2139.63	3.E-08
Q9BV38	INRDLDFDFSTRFITRPAK	2196.19	2196.18	0.01	2.72	3.E-08
P08758	TLFGRDLLDDLK	1404.76	1404.76	0.00	0.75	3.E-08
P07355	SALSGHLETVILGLLKTPAQYDASELK	2910.58	2853.55	57.03	19592.40	3.E-08
P61978	IILDLISESPIK	1339.80	1339.80	0.00	2.66	3.E-08

P61978	IILDLISESPIK	1337.68	1339.80	-2.12	-1586.36	3.E-08
P18621	EQIVPKPEEEVAQK	1624.76	1622.85	1.91	1176.78	3.E-08
P18621	EQIVPKPEEEVAQK	1622.85	1622.85	0.00	0.42	3.E-08
O43818	AEARAFEEDQVAGRLK	1789.86	1788.91	0.95	528.19	4.E-08
O43818	AEARAFEEDQVAGRLK	1788.92	1788.91	0.01	3.23	4.E-08
P09661	TFNPGAGLPTDKK	1344.70	1344.70	0.00	0.94	4.E-08
P20700	EELRELNDR LAVYIDK	1975.04	1975.04	0.00	-0.21	4.E-08
Q15393	KLEDIRTRYAF	1410.76	1410.76	0.00	1.33	4.E-08
P11021	ELEEIVQPIISK	1396.80	1396.78	0.02	16.03	4.E-08
P11021	ELEEIVQPIISK	1396.78	1396.78	0.00	1.13	4.E-08
P19388	EEVTELLARYK	1350.72	1349.72	1.00	744.00	4.E-08
P19338	GLSEDTTEETLK	1321.62	1321.62	0.00	1.37	4.E-08
Q9BQ39	SRYEQVDLVGK	1293.78	1292.67	1.11	854.44	4.E-08
P08758	VLTEIIASRTPEELRAIK	2041.19	2038.18	3.01	1474.49	4.E-08
P11021	PYIQVDIGGGQTK	1379.68	1374.71	4.97	3601.33	4.E-08

P11021	PYIQVDIGGGQTK	1377.80	1374.71	3.09	2244.29	4.E-08
P46781	AARELLTLDEK	1257.71	1257.69	0.02	18.34	4.E-08
P46781	AARELLTLDEK	1257.69	1257.69	0.00	0.53	4.E-08
P46781	AARELLTLDEK	1257.67	1257.69	-0.02	-12.83	4.E-08
P11021	VLESDLKKSIDEIVLVGGSTRIPK	2891.50	2825.54	65.96	22810.30	4.E-08
P36578	AFRNIPGITLLNVSK	1641.97	1641.96	0.01	3.23	4.E-08
Q01130	(51)SYGRPPPDVEGMTSLK	1774.86	1774.86	0.00	0.17	4.E-08
P02545	ERARLQLELSK	1341.77	1341.77	0.00	-0.02	4.E-08
P61978	IILDLISESPIK	1340.74	1339.80	0.94	702.27	4.E-08
P61978	IILDLISESPIK	1339.80	1339.80	0.00	0.35	4.E-08
P61978	IILDLISESPIK	1339.78	1339.80	-0.02	-12.71	4.E-08
P08670	VESLQEEIAFLK	1406.76	1404.75	2.01	1428.66	4.E-08
P69905	TYFPFDLSHGSAQVK	1832.88	1832.88	0.00	0.02	4.E-08
Q9BQ39	SRYEQVDLVGK	1292.67	1292.67	0.00	0.89	4.E-08
Q9BQ39	SRYEQVDLVGK	1292.58	1292.67	-0.09	-68.81	4.E-08

P14866	NPNGPYPYTLK	1263.61	1262.63	0.98	779.02	4.E-08
P14866	NPNGPYPYTLK	1262.63	1262.63	0.00	-0.18	4.E-08
P62841	HGRPGIGATHSSRFIPLK	1931.04	1930.06	0.98	506.15	4.E-08
P62841	HGRPGIGATHSSRFIPLK	1930.06	1930.06	0.00	1.19	4.E-08
P16403	ERSGVSLAALK	1132.65	1129.65	3.00	2648.76	4.E-08
Q13310	SGVGNVFIKNLDKSIDNKALYDTFSAFGNILSCK	3598.86	3734.90	-136.04	-37802.00	4.E-08
O75531	PVGSLAGIGEVLGK	1295.74	1295.74	0.00	0.50	4.E-08
P09661	TFNPGAGLPTDKK	1348.72	1344.70	4.02	2980.20	5.E-08
P46781	AARELLTLDEK	1259.59	1257.69	1.90	1504.67	5.E-08
Q14254	ELLAVACEQFLGK	1478.74	1476.76	1.98	1336.66	5.E-08
Q14254	ELLAVACEQFLGK	1476.77	1476.76	0.01	9.94	5.E-08
Q14254	ELLAVACEQFLGK	1471.74	1476.76	-5.02	-3413.86	5.E-08
P20042	IFDIDEAEEGVK	1363.86	1363.65	0.21	153.33	5.E-08
P20042	IFDIDEAEEGVK	1363.65	1363.65	0.00	2.80	5.E-08
P08621	TLFVARVNYDTTESK	1742.89	1742.88	0.01	3.33	5.E-08

P35527	NYSPYYNTIDDLK	1604.74	1604.74	0.00	1.34	5.E-08
Q9H2P0	RTYEQMEFLLKKRKLDDSDSPSFFEEKPEEPVVLALDPK	4872.35	4865.45	6.90	1415.59	5.E-08
P40429	RGQAALDRLK	1126.66	1126.66	0.00	0.92	5.E-08
P07900	IRYESLTDPSK	1307.67	1307.67	0.00	0.45	5.E-08
P16403	ERSGVSLAALK	1130.66	1129.65	1.01	890.02	5.E-08
P69905	VGAHAGEYGAEALERMFLSFPTTK	2597.26	2581.26	16.00	6159.24	5.E-08
P20700	ALYETELADARRALDDTARERAK	2633.35	2633.35	0.00	1.37	5.E-08
Q9H307	(41)AVAVRTLQEQLK	1525.85	1525.85	0.00	2.81	5.E-08
P08107	AQIHDLVLVGGSTRIPK	1803.04	1803.04	0.00	1.04	5.E-08
P67809	GAEAAVNTGPGGVPVQGSK	1694.87	1694.86	0.01	3.83	5.E-08
P02545	EGDLIAAQARLK	1295.65	1283.72	11.93	9204.82	5.E-08
P02545	EGDLIAAQARLK	1293.64	1283.72	9.92	7668.81	5.E-08
O75526	SRGFVTFESPADAK	1728.85	1728.85	0.00	2.26	5.E-08
P28370	RDFNQFIK	1066.56	1066.56	0.00	1.44	5.E-08
P62701	VRTDITYPAGFMDVISDK	2140.09	2140.09	0.00	0.23	5.E-08

P16403	ERSGVSLAALK	1129.65	1129.65	0.00	0.80	6.E-08
P43243	LVLRIPIRIGIDLLK	1619.02	1619.02	0.00	0.74	6.E-08
Q9H307	(41)AVAVRTLQEQLK	1528.85	1525.85	3.00	1962.45	6.E-08
Q9H307	(41)AVAVRTLQEQLK	1525.85	1525.85	0.00	0.78	6.E-08
P43243	ITPENLPQILLQLK	1626.83	1618.97	7.86	4829.80	6.E-08
P46778	EPELLEPIPYEFMA	1695.90	1676.80	19.10	11259.50	6.E-08
P46778	EPELLEPIPYEFMA	1692.80	1676.80	16.00	9449.09	6.E-08
P46778	EPELLEPIPYEFMA	1692.77	1676.80	15.97	9433.11	6.E-08
P11021	PYIQVDIGGGQTK	1374.85	1374.71	0.14	104.01	6.E-08
P14136	VRFLEQQNK	1160.63	1160.63	0.00	2.24	6.E-08
Q9Y265	GLGLDESLAK	1058.56	1058.56	0.00	2.40	6.E-08
P62917	RTELFIAAEGIHTGQFVYCGKK	2410.21	2524.29	-114.08	-47332.30	6.E-08
P62906	RFSGTVRLK	1062.63	1062.63	0.00	0.76	6.E-08
P14136	VRFLEQQNK	1160.63	1160.63	0.00	2.33	6.E-08
P62241	YELGRPAANTK	1218.64	1218.64	0.00	0.77	6.E-08

P63220	QNDAGEFVDLYVPRK	1938.92	1749.87	189.05	97502.40	6.E-08
P02545	QREFESRLADALQELRAQHEDQVEQYK	3187.52	3315.62	-128.10	-40187.40	6.E-08
P06748	DYHFKVDNDENEHQLSLRTVSLGAGAK	3065.64	3042.48	23.16	7555.33	6.E-08
P06748	DYHFKVDNDENEHQLSLRTVSLGAGAK	3057.58	3042.48	15.10	4939.27	6.E-08
P04083	ALTGHLEEVVLALLK	1604.95	1604.95	0.00	0.50	7.E-08
P62917	RTELFIAAEGIHTGQFVYCGKK	2410.21	2524.29	-114.08	-47333.80	7.E-08
P11021	ELEEIVQPIISK	1391.78	1396.78	-5.00	-3589.07	7.E-08
P02545	NIYSEELRETK	1380.69	1380.69	0.00	3.12	7.E-08
P07900	IRYESLTDPSK	1310.68	1307.67	3.01	2298.10	7.E-08
P11021	PYIQVDIGGGQTK	1374.71	1374.71	0.00	0.94	7.E-08
P11021	PYIQVDIGGGQTK	1373.85	1374.71	-0.86	-625.47	7.E-08
P16403	ASGPPVSELITK	1198.60	1197.66	0.94	788.19	7.E-08
P16403	ASGPPVSELITK	1197.66	1197.66	0.00	2.19	7.E-08
P16403	ASGPPVSELITK	1197.65	1197.66	-0.01	-11.33	7.E-08
O75531	PVGLAGIGEVLGK	1299.71	1295.74	3.97	3054.63	7.E-08

O75531	PVGSLAGIGEVLGK	1296.64	1295.74	0.90	696.45	7.E-08
Q96JM3	T(37)SPASLDFPESQK	1409.74	1485.64	-75.90	-53840.70	7.E-08
Q96JM3	T(37)SPASLDFPESQK	1405.68	1485.64	-79.96	-56885.80	7.E-08
P02545	ERARLQLELSK	1346.72	1341.77	4.95	3674.09	7.E-08
P02545	ERARLQLELSK	1341.77	1341.77	0.00	0.13	7.E-08
P11940	NLDDGIDDERLRK	1557.77	1557.77	0.00	1.18	7.E-08
P16403	ERSGVSLAALK	1125.57	1129.65	-4.08	-3622.79	7.E-08
P23396	GGKPEPPAMPQPVPTA	1569.77	1572.80	-3.03	-1927.14	7.E-08
P23396	GGKPEPPAMPQPVPTA	1569.70	1572.80	-3.10	-1974.12	7.E-08
P07355	GLGTDEDSLIEIICSRTNQELQEINRVYK	3392.69	3392.69	0.00	1.25	7.E-08
Q49A26	(41)AAVSLRLGDLVWGK	1525.86	1525.86	0.00	2.13	7.E-08
P08107	HWPFQVINDGDKPK	1680.85	1679.84	1.01	598.24	7.E-08
P33993	LFADAVQELLQPQYK	1633.87	1633.87	0.00	-0.32	8.E-08
P19338	GFGFVDFNSEEDAK	1560.67	1560.67	0.00	1.34	8.E-08
P19338	GFGFVDFNSEEDAK	1559.84	1560.67	-0.83	-532.05	8.E-08

P19338	GFGFVDFNSEEDAK	1555.87	1560.67	-4.80	-3088.00	8.E-08
P11142	NQVAMNPTNTVFDK	1657.84	1648.79	9.05	5461.38	8.E-08
P11142	NQVAMNPTNTVFDK	1653.86	1648.79	5.07	3063.57	8.E-08
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	1.52	8.E-08
P05787	WSLLQQQK	1029.56	1029.56	0.00	2.40	8.E-08
O43818	LYLEQLRQQEEEK	1704.88	1704.87	0.01	3.73	8.E-08
O43818	LYLEQLRQQEEEK	1704.83	1704.87	-0.04	-22.84	8.E-08
P06748	NCFRMTDQEAIQDLWQWRK	2524.40	2524.17	0.23	91.84	8.E-08
P06748	NCFRMTDQEAIQDLWQWRK	2524.36	2524.17	0.19	74.05	8.E-08
P06748	NCFRMTDQEAIQDLWQWRK	2524.17	2524.17	0.00	-0.42	8.E-08
Q8TC04	ATMQNLNDRLASYVEK	1851.91	1851.91	0.00	2.44	8.E-08
Q9BWF3	NYGFVHIEDK	1222.68	1220.58	2.10	1715.03	8.E-08
Q9BWF3	NYGFVHIEDK	1220.58	1220.58	0.00	0.52	8.E-08
P08107	LLQDFFNDRDLNK	1579.80	1578.82	0.98	623.23	8.E-08
P08107	LLQDFFNDRDLNK	1578.82	1578.82	0.00	-0.07	8.E-08

P02545	LRDLEDGLARERDTSRRLLAEK	2641.43	2641.43	0.00	0.14	8.E-08
P23396	GGKPEPPAMPQPVPTA	1572.80	1572.80	0.00	0.33	9.E-08
P46782	(49)M(52)TEWETAAPAVAETPDIKLFGKWSTDDVQINDISLQD YIAVK	4900.34	4792.35	107.99	22036.60	9.E-08
P46782	(49)M(52)TEWETAAPAVAETPDIKLFGKWSTDDVQINDISLQD YIAVK	4900.22	4792.35	107.87	22012.60	9.E-08
P26599	NNQFQALLQYADPVSAQHAK	2242.11	2242.11	0.00	1.14	9.E-08
P07355	DIISDTSGDFRK	1352.66	1352.66	0.00	0.53	9.E-08
Q09666	GGQIGLQAPGLSVSGPQGHLESGSGK	2417.23	2417.23	0.00	1.47	9.E-08
P02545	RTLEGELHDLRGQVAKLEAALGEAK	2760.49	2703.47	57.02	20655.60	1.E-07
P06748	MSVQPTVSLGGFEITPPVVLRLK	2483.40	2467.39	16.01	6444.93	1.E-07
P08107	ATAGDTHLGGEDFDNRLVNHVFVEEFK	2917.36	2917.36	0.00	-0.87	1.E-07
P62917	LARASGNYATVISHNPETK	2033.02	2028.04	4.98	2447.19	1.E-07
O43852	TFDQLTPEESK	1293.61	1293.61	0.00	2.98	1.E-07
A6NGW7	LVVDFSATWCGPCKMIK	1775.82	2010.97	-235.15	-132417.00	1.E-07
A3R0T7	AVTASKERSGVSLAALK	1691.87	1686.96	4.91	2904.00	1.E-07
P61981	(54)VDREQLVQK	1155.62	1155.62	0.00	1.38	1.E-07

P61981	(54)VDREQLVQK	1155.60	1155.62	-0.02	-18.26	1.E-07
P61981	(54)VDREQLVQK	1153.54	1155.62	-2.08	-1802.19	1.E-07
P27635	EHVIEALRRAK	1192.66	1320.76	-128.10	-107402.00	1.E-07
P27635	EHVIEALRRAK	1192.65	1320.76	-128.11	-107416.00	1.E-07
P62081	DVNFEFPEFQL	1383.63	1383.63	0.00	-1.41	1.E-07
P62081	DVNFEFPEFQL	1383.61	1383.63	-0.02	-14.57	1.E-07
P62081	DVNFEFPEFQL	1383.60	1383.63	-0.03	-24.90	1.E-07
Q6DKI1	IPLVPENLLK	1134.70	1134.70	0.00	0.96	1.E-07
Q3BDU5	LVRSVTVVEDDEDEDGDDLLHHHHVSGSRR	3422.62	3422.62	0.00	-0.37	1.E-07
O43390	IPRDLYEDELVPLFEK	1976.04	1975.03	1.01	508.85	1.E-07
P56182	LQDLAGGIFPEDEIPEKACRRLLEGRRQKKTCK	3761.99	3879.13	-117.14	-31137.60	1.E-07
P62241	ELEFYLRK	1096.59	1096.59	0.00	0.93	1.E-07
P19338	GLSEDTEETLK	1322.62	1321.62	1.00	759.56	1.E-07
P61978	KIIPTLEEGQLPSPTATSQLPLESDAVECLNYQHYP	4068.05	4182.12	-114.07	-28039.90	1.E-07
P20700	ALYETELADARRALDDTARERAK	2633.35	2633.35	0.00	1.18	1.E-07

P02545	EGDLIAAQARLK	1283.72	1283.72	0.00	0.92	1.E-07
P09651	EDTEEHHLRDYFEQYGK	2194.96	2194.96	0.00	1.03	1.E-07
O94776	DFNDIRQDFLPWK	1698.98	1692.83	6.15	3617.67	1.E-07
Q8IVT2	VRAVPTWASVQVVDDPGSLASVESPGTPK	2948.52	2948.52	0.00	0.21	1.E-07
P41219	MALDIEIATYRK	1438.75	1422.75	16.00	11119.70	1.E-07
A6NJC9	STYQEFTDHLVK	1469.76	1466.70	3.06	2080.51	1.E-07
Q13765	NILFVITKPDVYK	1552.89	1548.89	4.00	2576.01	1.E-07
Q13765	NILFVITKPDVYK	1548.89	1548.89	0.00	0.95	1.E-07
Q9P013	GEGDLSQLSK	1035.65	1032.51	3.14	3028.22	1.E-07
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	2.66	1.E-07
P62424	RPPVLRAGVNTVTTLVENK	2063.19	2063.19	0.00	0.73	1.E-07
P33993	FLQEFYQDDELGKK	1767.86	1758.85	9.01	5098.86	1.E-07
Q9BVC5	SPPLSPVGTTTPVK	1281.64	1278.72	2.92	2279.33	1.E-07
P08579	ELGSSTNALRQLQGFFPYGK	2216.07	2212.13	3.94	1776.96	1.E-07
P08579	ELGSSTNALRQLQGFFPYGK	2212.13	2212.13	0.00	1.97	1.E-07

P07305	YSDMIVAAIQAEK	1444.74	1437.72	7.02	4862.43	1.E-07
P04083	ALTGHLEEVVLALLK	1665.97	1604.95	61.02	36625.80	1.E-07
P04083	ALTGHLEEVVLALLK	1661.97	1604.95	57.02	34310.50	1.E-07
P41219	MALDIEIATYRK	1438.75	1422.75	16.00	11119.90	1.E-07
A3R0T7	AVTASKERSGVSLAALK	1691.87	1686.96	4.91	2904.06	1.E-07
P27635	EHVIEALRRAK	1320.76	1320.76	0.00	0.84	1.E-07
P02545	LRDLEDSELRERDTSRRLLAEK	2641.43	2641.43	0.00	0.82	1.E-07
P02545	LRDLEDSELRERDTSRRLLAEK	2641.43	2641.43	0.00	1.69	1.E-07
P04083	ALTGHLEEVVLALLK	1604.95	1604.95	0.00	-0.37	1.E-07
Q8WUM0	DLLQADQLGSLK	1303.73	1299.70	4.03	3090.66	1.E-07
Q8WUM0	DLLQADQLGSLK	1299.70	1299.70	0.00	1.30	1.E-07
Q8WUM0	DLLQADQLGSLK	1298.78	1299.70	-0.92	-711.90	1.E-07
P14136	VERFLEQQNK	1161.52	1160.63	0.89	762.11	1.E-07
P14136	VERFLEQQNK	1160.63	1160.63	0.00	1.99	1.E-07
P06748	MSVQPTVSLGGFEITPPVVLRLK	2483.38	2467.39	15.99	6440.21	1.E-07

P06748	MSVQPTVSLGGFEITPPVVLRLK	2483.34	2467.39	15.95	6422.61	1.E-07
Q9UKX7	VAAETQSPSLFGSTK	1521.77	1521.77	0.00	2.85	2.E-07
O60506	LDEIYVAGLVAHSDLDERAIEALK	2639.38	2639.38	0.00	-0.90	2.E-07
Q9BQG0	VTENLRVLGEAQTK	1560.79	1556.85	3.94	2527.37	2.E-07
Q9BQG0	VTENLRVLGEAQTK	1556.85	1556.85	0.00	2.06	2.E-07
P62906	RFSGTVRLK	1062.63	1062.63	0.00	0.85	2.E-07
P84090	MSHTILLVQPTK	1334.75	1366.76	-32.01	-23979.80	2.E-07
Q9ULU4	PFSPQLSAPITTK	1385.76	1385.76	0.00	1.12	2.E-07
P02545	LRDLEDLARERDTSRRLLAEK	2641.43	2641.43	0.00	0.71	2.E-07
P05549	GPVSLSKSNSNAVSAIPINK	1977.96	1982.08	-4.12	-2083.83	2.E-07
P20700	HETRLVEVDSGRQIEYKY	2352.17	2350.16	2.01	853.04	2.E-07
Q8N3U4	EPNPQGESHPLNLAFLDILSEFSSK	2865.42	2865.42	0.00	1.42	2.E-07
Q8NCA5	RLDVTVQSFGWSDRAK	1863.96	1863.96	0.00	2.30	2.E-07
P46781	AARELLTLDEK	1257.69	1257.69	0.00	1.32	2.E-07
P46781	AARELLTLDEK	1255.68	1257.69	-2.01	-1604.66	2.E-07

P04083	MYGISLCQAILDETK	1756.84	1740.84	16.00	9107.06	2.E-07
Q00839	PYFPIPEEYTFIQNVPLEDRVRGPK	3003.55	3003.55	0.00	0.30	2.E-07
Q9UKX7	VAAETQSPSLFGSTK	1520.73	1521.77	-1.04	-681.42	2.E-07
P60709	QEYDESGPSIVHRK	1626.77	1643.79	-17.02	-10463.50	2.E-07
Q9BVC5	SPPLSPVGTTPVK	1278.72	1278.72	0.00	0.45	2.E-07
P02545	LESTESRSSFSQHARTSGRVAVEEVDEEGK FVRLRNK	4152.10	4220.13	-68.03	-16383.80	2.E-07
P07355	GLGTDEDSLIEIICSRTNQELQEINRVYK	3404.68	3392.69	11.99	3522.05	2.E-07
P07355	GLGTDEDSLIEIICSRTNQELQEINRVYK	3400.79	3392.69	8.10	2381.11	2.E-07
P11142	SQIHDIVLVGGSTRIPK	1819.03	1819.03	0.00	-0.02	2.E-07
Q9GZL7	YAVDDVPFSIPAASEIADLSNIINK	2661.36	2661.35	0.01	3.04	2.E-07
O15504	IPLKPPPLELLNV	1441.89	1441.89	0.00	2.36	2.E-07
P16401	ATGPPVSELITK	1212.66	1211.68	0.98	805.49	2.E-07
P15880	SLEEIYLFSLPIK	1551.86	1550.86	1.00	646.54	2.E-07
Q14254	QIAVEAQEILRTDK	1599.85	1612.88	-13.03	-8143.01	2.E-07
Q14254	QIAVEAQEILRTDK	1595.86	1612.88	-17.02	-10666.60	2.E-07

P20700	ALYETELADARRALDDTARERAK	2633.35	2633.35	0.00	1.45	2.E-07
P61978	ALRTDYNASVSPDSSGPERILSISADIETIGEILK	3815.98	3815.98	0.00	-1.21	2.E-07
P08107	EIAEAYLGYPVTVNAVITVPAYFNDSQRQATK	3428.73	3428.73	0.00	-0.46	2.E-07
P02545	AGQVVTIWAAGAGATHSPPTDLVWK	2532.32	2532.31	0.01	2.08	2.E-07
P05787	LVSESSDVLPK	1174.65	1172.63	2.02	1719.45	2.E-07
Q8WVK2	GGFNRPLDFIA	1205.62	1205.62	0.00	1.18	2.E-07
P12235	TAVAPIERVK	1082.64	1082.64	0.00	0.49	2.E-07
P62917	LARASGNYATVISHNPETK	2028.04	2028.04	0.00	0.92	2.E-07
O60832	(41)ADAEVILPK	1110.57	1109.63	0.94	846.12	2.E-07
O60832	(41)ADAEVILPK	1109.63	1109.63	0.00	2.41	2.E-07
O60832	(41)ADAEVILPK	1108.69	1109.63	-0.94	-845.88	2.E-07
P11142	SQIHDIVLVGGSTRIPK	1820.98	1819.03	1.95	1073.57	2.E-07
P61247	GRVFEVSLADLQNDEVAFRK	2295.26	2292.19	3.07	1335.59	2.E-07
P61247	GRVFEVSLADLQNDEVAFRK	2292.19	2292.19	0.00	0.18	2.E-07
O43328	KVEQPVIEEPALK	1483.80	1478.83	4.97	3349.63	2.E-07

P16401	ATGPPVSELITK	1216.61	1211.68	4.93	4055.67	2.E-07
P16401	ATGPPVSELITK	1215.63	1211.68	3.95	3248.92	2.E-07
P16401	ATGPPVSELITK	1211.68	1211.68	0.00	0.64	2.E-07
Q12874	KWENGTTPGWPK	1445.71	1445.71	0.00	2.59	2.E-07
O15504	IPLKPPPLELLNV	1438.75	1441.89	-3.14	-2181.19	2.E-07
P60903	EFPGFLENQK	1207.59	1207.59	0.00	0.90	2.E-07
P08758	PSRLYDAYELK	1353.78	1353.69	0.09	64.75	3.E-07
P08758	PSRLYDAYELK	1353.69	1353.69	0.00	1.37	3.E-07
Q8IYB3	DAGFFRGTSAEQDNRFNSK	2335.03	2145.98	189.05	80961.80	3.E-07
P14136	VRFLEQQNK	1160.63	1160.63	0.00	2.07	3.E-07
P27635	EHVIEALRRAK	1325.72	1320.76	4.96	3743.55	3.E-07
P27635	EHVIEALRRAK	1316.80	1320.76	-3.96	-3005.29	3.E-07
P27635	EHVIEALRRAK	1316.78	1320.76	-3.98	-3019.69	3.E-07
P02545	EAALSTALSEK	1118.58	1118.58	0.00	-0.08	3.E-07
P02545	EAALSTALSEK	1118.55	1118.58	-0.03	-24.13	3.E-07

A6NIM7	TIAECLAEELINAAKGSSNSYAIK	2472.40	2552.28	-79.88	-32310.50	3.E-07
A6NIM7	TIAECLAEELINAAKGSSNSYAIK	2468.40	2552.28	-83.88	-33982.40	3.E-07
P02545	LRDLEDRLARERDTSRRLLAEK	2642.43	2641.43	1.00	380.02	3.E-07
Q9UKX7	VAAETQSPSLFGSTK	1526.75	1521.77	4.98	3264.73	3.E-07
O95926	(41)AAIAASEVLVDSAEEGSLAAAAELAAQK	2697.37	2697.37	0.00	0.25	3.E-07
P34931	VEIANDQGNRTTPSYVAFTDTERLIGDAAK	3366.70	3364.69	2.01	596.89	3.E-07
Q13310	VDEAVAVLQAHHAK	1491.69	1486.79	4.90	3284.88	3.E-07
P04264	SLNNQFASFIDK	1380.77	1382.68	-1.91	-1381.92	3.E-07
P02545	LESTESRSSFSQHARTSGRVAVEEVDEEGK	3316.59	3306.57	10.02	3020.63	3.E-07
P02545	AQNTWGCNLSLRTALINSTGEEVAMRK	2979.42	2963.43	15.99	5367.89	3.E-07
Q53HU8	VELQELNDRFANYIDK	1966.99	1965.98	1.01	512.62	3.E-07
P16401	ATGPPVSELITK	1211.55	1211.68	-0.13	-110.54	3.E-07
P31946	GDYFRYLSEVASGDNK	1819.84	1819.84	0.00	-0.81	3.E-07
P31946	GDYFRYLSEVASGDNK	1819.84	1819.84	0.00	-0.09	3.E-07
P02545	NIYSEELRETK	1380.69	1380.69	0.00	3.12	3.E-07

P62906	KVLCLAVAVGHVK	1278.75	1392.83	-114.08	-89211.60	3.E-07
Q15050	(49)MEGQSVEELLAK	1396.81	1374.67	22.14	15847.70	3.E-07
Q15050	(49)MEGQSVEELLAK	1391.67	1374.67	17.00	12217.40	3.E-07
P11142	STAGDTHLGGEDFDNRMVNHFAEFK	2917.36	2907.32	10.04	3442.09	3.E-07
P23396	RFGFPEGSVELYAEK	1733.82	1727.85	5.97	3445.94	3.E-07
O60506	VLFRNLANTVTEEILEK	2087.16	2087.16	0.00	-0.77	3.E-07
O60832	(41)ADAEVILPK	1113.65	1109.63	4.02	3607.30	3.E-07
O60832	(41)ADAEVILPK	1110.70	1109.63	1.07	962.52	3.E-07
P25205	TIERRYSDLTTLVAFSSSVYPTK	2730.42	2730.42	0.00	-0.48	3.E-07
O60832	(41)ADAEVILPK	1113.65	1109.63	4.02	3607.75	3.E-07
O60832	(41)ADAEVILPK	1112.59	1109.63	2.96	2664.46	3.E-07
P08758	TLFGRDLLDDLK	1404.76	1404.76	0.00	-0.46	3.E-07
P02545	AA YEAE LGDARK	1295.68	1292.64	3.04	2348.16	3.E-07
P02545	AA YEAE LGDARK	1294.78	1292.64	2.14	1650.06	3.E-07
P62917	LARASGN YATVISHNPETK	2029.04	2028.04	1.00	494.11	3.E-07

P08107	LLQDFFNGRDLNK	1578.82	1578.82	0.00	-0.90	3.E-07
P04264	SLNNQFASFIDK	1382.68	1382.68	0.00	3.17	3.E-07
Q504R3	NFFWMTDQEAIQDLWQWRK	2540.17	2541.19	-1.02	-402.62	4.E-07
O15514	NRETIASVRSLLLQK	1727.01	1727.01	0.00	1.77	4.E-07
O15514	NRETIASVRSLLLQK	1726.99	1727.01	-0.02	-10.33	4.E-07
P09661	NAIANASTLAEVERLK	1698.93	1698.93	0.00	0.52	4.E-07
Q00839	PYFPIPEEYTFIQNVPLEDRVRGPK	3003.55	3003.55	0.00	0.37	4.E-07
P02545	EAALSTALSEK	1118.58	1118.58	0.00	-0.35	4.E-07
P02545	EAALSTALSEK	1118.55	1118.58	-0.03	-24.22	4.E-07
P09661	GGPSPGDVEAIK	1125.59	1125.57	0.02	18.95	4.E-07
P09661	GGPSPGDVEAIK	1125.57	1125.57	0.00	0.21	4.E-07
P11142	NQVAMNPTNTVFDK	1657.84	1648.79	9.05	5461.08	4.E-07
P14136	VRFLEQQNK	1160.63	1160.63	0.00	0.52	4.E-07
P14136	VRFLEQQNK	1156.65	1160.63	-3.98	-3444.87	4.E-07
P20700	QLADETLKVDLENRCQSLTEDLEFRK	2993.44	3262.65	-269.21	-89931.90	4.E-07

P08758	VLTEIIASRTPEELRAIK	2045.07	2038.18	6.89	3369.72	4.E-07
P11940	QDRITRYQGVNLYVK	1852.00	1852.00	0.00	1.29	4.E-07
P28370	RDFNQFIK	1066.56	1066.56	0.00	1.44	4.E-07
P02545	LESTESRSSFSQHARTSGRVAVEEVDEEGK	3306.57	3306.57	0.00	0.33	4.E-07
Q08211	AIEPPPLDAVIEAEHTLRELDALDANDELTPGRLAK	3990.13	4118.19	-128.06	-32094.30	4.E-07
P02545	ERARLQLELSK	1346.77	1341.77	5.00	3711.52	4.E-07
P02545	ERARLQLELSK	1346.73	1341.77	4.96	3684.97	4.E-07
P02545	ERARLQLELSK	1341.77	1341.77	0.00	-0.39	4.E-07
P02545	ERARLQLELSK	1346.75	1341.77	4.98	3700.95	4.E-07
Q14103	IFVGGLSPDTPPEEK	1487.76	1487.75	0.01	4.08	4.E-07
P49736	RGLALALFGGEPK	1327.76	1327.76	0.00	2.28	4.E-07
P28370	RDFNQFIK	1066.56	1066.56	0.00	1.72	4.E-07
P07355	DIISDTSGDFRK	1353.70	1352.66	1.04	767.32	4.E-07
P07355	DIISDTSGDFRK	1352.66	1352.66	0.00	2.52	4.E-07
O43143	RLQLPVWEYK	1335.69	1330.74	4.95	3708.31	4.E-07

Q9UKD2	RGVVTLLSDYEVCK	1645.07	1637.84	7.23	4392.11	4.E-07
O60832	(41)ADAEVILPK	1110.57	1109.63	0.94	846.03	5.E-07
P40429	VFDGIPPPYDK	1250.74	1246.62	4.12	3295.75	5.E-07
P40429	VFDGIPPPYDK	1250.72	1246.62	4.10	3281.49	5.E-07
P40429	VFDGIPPPYDK	1248.69	1246.62	2.07	1658.65	5.E-07
Q9Y5B9	AASITSEVFNK	1169.65	1165.60	4.05	3461.91	5.E-07
Q9Y5B9	AASITSEVFNK	1165.60	1165.60	0.00	2.07	5.E-07
A6NIH7	SGSNPKAAAAASAAGPGGLVAGK	1884.00	1909.00	-25.00	-13269.80	5.E-07
P08729	LEAAIAEAEERGELALK	1811.96	1811.96	0.00	2.74	5.E-07
P35659	LLYNRPGTVSSLK	1446.82	1446.82	0.00	2.46	5.E-07
Q9P0K7	TALHYAAAQGCLQAVQILCEHK	2199.05	2481.23	-282.18	-128317.00	5.E-07
Q96ST3	SQSIDTPGVISRVSQLFK	1837.91	1961.06	-123.15	-67004.60	5.E-07
Q96ST3	SQSIDTPGVISRVSQLFK	1832.97	1961.06	-128.09	-69882.30	5.E-07
P14866	NPNGPYPYTLK	1263.61	1262.63	0.98	778.22	5.E-07
P60709	YPIE(317)HGIVTNWDDMEK	1964.87	1959.90	4.97	2527.96	5.E-07

P60709	YPIE(317)HGIVTNWDDMEK	1963.89	1959.90	3.99	2030.72	5.E-07
Q9UMS4	TLQLDNNFEVK	1319.67	1319.67	0.00	2.34	5.E-07
Q15459	PLPPAPAPDEYLVSPITGEK	2090.10	2090.09	0.01	3.49	5.E-07
P06748	DELHIVEAEAMNYEG(37)SPIK	2239.97	2223.98	15.99	7139.77	5.E-07
P02545	EAALSTALSEK	1118.58	1118.58	0.00	0.45	5.E-07
P08107	EIAEAYLGYPVTVNAVITVPAYFNDSQRQATK	3428.74	3428.73	0.01	1.75	5.E-07
P02545	NIYSEELRETK	1380.69	1380.69	0.00	3.05	5.E-07
O43143	RLQLPVWEYK	1330.74	1330.74	0.00	-0.33	5.E-07
P16403	ERSGVSLAALK	1132.66	1129.65	3.01	2657.56	5.E-07
P02545	ERARLQLELSK	1346.72	1341.77	4.95	3673.50	5.E-07
P15880	TYSYLTPDLWK	1385.69	1385.69	0.00	0.79	5.E-07
P07355	TPAQYDASELK	1225.66	1221.59	4.07	3319.35	5.E-07
P07355	TPAQYDASELK	1225.59	1221.59	4.00	3260.88	5.E-07
P04264	SLNNQFASFIDK	1377.81	1382.68	-4.87	-3536.78	5.E-07
P50995	QRQQILLSFK	1259.73	1259.73	0.00	2.31	5.E-07

P62241	YELGRPAANTK	1218.64	1218.64	0.00	0.69	5.E-07
P62081	DVNFEFPEFQL	1383.61	1383.63	-0.02	-13.41	5.E-07
Q03252	RGLESDVAELRAQLAK	1754.96	1754.96	0.00	1.39	6.E-07
P02545	SNEDQSMGNWQIK	1534.81	1535.67	-0.86	-557.82	6.E-07
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	0.43	6.E-07
Q16576	GEFGGFGSVTGKIECEIK	1725.95	1913.92	-187.97	-108910.00	6.E-07
P34931	VEIANDQGNRTTPSYVAFTDTERLIGDAAK	3365.70	3364.69	1.01	299.03	6.E-07
P62081	DVNFEFPEFQL	1383.63	1383.63	0.00	-1.34	6.E-07
O60832	(41)ADAEVILPK	1109.63	1109.63	0.00	2.68	6.E-07
O60832	(41)ADAEVILPK	1108.69	1109.63	-0.94	-845.88	6.E-07
P07910	LKGDDLQAIKK	1231.62	1227.72	3.90	3170.00	6.E-07
P56182	VGAEELTADQNLK	1387.69	1386.70	0.99	712.74	6.E-07
P56182	VGAEELTADQNLK	1386.70	1386.70	0.00	2.92	6.E-07
P02545	ERARLQLELSK	1341.77	1341.77	0.00	0.20	6.E-07
P16403	ERSGVSLAALK	1130.63	1129.65	0.98	868.64	6.E-07

P11142	STAGDTHLGGEDFDNRMVNHFAEFK	2907.58	2907.32	0.26	88.34	6.E-07
P40429	VFDGIPPPYDK	1246.62	1246.62	0.00	1.32	6.E-07
P40429	VFDGIPPPYDK	1245.73	1246.62	-0.89	-718.10	6.E-07
P02545	SNEDQSMGNWQIK	1535.67	1535.67	0.00	0.29	6.E-07
P62241	YELGRPAANTK	1219.63	1218.64	0.99	815.77	7.E-07
P62241	YELGRPAANTK	1218.64	1218.64	0.00	1.83	7.E-07
Q4F966	GDGEVLEEIVTK	1292.72	1287.66	5.06	3917.57	7.E-07
P02545	NIYSEELRETK	1381.67	1380.69	0.98	711.39	7.E-07
P02545	NIYSEELRETK	1380.71	1380.69	0.02	18.04	7.E-07
P02545	NIYSEELRETK	1380.69	1380.69	0.00	-0.72	7.E-07
P14136	VRFLEQQNK	1160.63	1160.63	0.00	2.16	7.E-07
O75367	GVTIASGGVLPNIHPELLAK	1985.13	1985.13	0.00	-0.10	7.E-07
P78346	(41)AVFADLDLRAGSDLK	1631.85	1631.85	0.00	-1.09	7.E-07
Q9NQ4	EARAVLTFALDSVERK	1803.98	1803.98	0.00	0.36	7.E-07
P62988	ESTLHLVLRRLGG	1449.84	1449.84	0.00	0.92	7.E-07

P16401	ATGPPVSELITK	1211.68	1211.68	0.00	-0.10	7.E-07
P16401	ATGPPVSELITK	1211.65	1211.68	-0.03	-23.05	7.E-07
P16401	ATGPPVSELITK	1211.54	1211.68	-0.14	-111.45	7.E-07
P02545	ERARLQLELSK	1346.75	1341.77	4.98	3699.61	8.E-07
P02545	ERARLQLELSK	1346.72	1341.77	4.95	3672.91	8.E-07
P15880	TYSYLTPDLWK	1385.69	1385.69	0.00	1.08	8.E-07
P62081	DVNFEFPEFQL	1383.63	1383.63	0.00	-1.34	8.E-07
P62081	DVNFEFPEFQL	1383.61	1383.63	-0.02	-13.41	8.E-07
P16403	ERSGVSLAALK	1129.65	1129.65	0.00	-0.26	8.E-07
P16403	ERSGVSLAALK	1129.64	1129.65	-0.01	-11.33	8.E-07
P16403	ERSGVSLAALK	1127.63	1129.65	-2.02	-1795.55	8.E-07
P07355	TPAQYDASELK	1222.71	1221.59	1.12	913.05	8.E-07
Q9UMS4	TLQLDNNFEVK	1322.61	1319.67	2.94	2226.11	8.E-07
P26447	ELLTRELPSFLGK	1483.84	1501.85	-18.01	-12137.20	8.E-07
P06396	HVVPNEVVVQRLFQVK	1890.08	1890.08	0.00	0.15	8.E-07

P60709	QEYDESGPSIVHRK	1626.77	1643.79	-17.02	-10463.40	8.E-07
P69905	LRVDPVNFK	1090.69	1086.62	4.07	3730.53	8.E-07
P08758	PSRLYDAYELK	1353.69	1353.69	0.00	0.56	8.E-07
P08758	PSRLYDAYELK	1352.77	1353.69	-0.92	-677.23	8.E-07
P07355	KELASALKSALSGHLETVILGLLK	2483.39	2490.48	-7.09	-2856.72	8.E-07
P07910	LKGDDLQAIKK	1227.72	1227.72	0.00	0.36	9.E-07
Q9NWH9	(41)AAATGAVAASAASGQAEGK	1630.81	1629.80	1.01	618.76	9.E-07
Q15050	VSTASVGRFQERLPK	1680.02	1673.92	6.10	3631.99	9.E-07
P16401	ATGPPVSELITK	1212.68	1211.68	1.00	827.57	9.E-07
P02545	ERARLQLELSK	1342.79	1341.77	1.02	756.24	9.E-07
Q8WYN9	(49)MIPPDQQLIFAGK	1649.89	1654.89	-5.00	-3027.90	9.E-07
P08107	SENVQDLLLLDVAPLSLGLLETAGGVMTALIK	3179.73	3179.74	-0.01	-1.90	9.E-07
P11142	DAGTIAGLNVLRIINEPTAAAIAYGLDK	2839.54	2839.54	0.00	-0.59	9.E-07
P11142	DAGTIAGLNVLRIINEPTAAAIAYGLDK	2836.41	2839.54	-3.13	-1101.81	9.E-07
Q8TDN6	TLLPHDPTADVFTPAEEK	2079.06	2079.05	0.01	2.65	9.E-07

P08107	NQVALNPQNTVFDAK	1657.84	1657.84	0.00	-0.34	9.E-07
P08107	NQVALNPQNTVFDAK	1653.85	1657.84	-3.99	-2410.83	9.E-07
P20700	VDLENRCQSLTEDLEFRK	2259.14	2251.09	8.05	3562.30	1.E-06
Q9NPD3	(41)AGLELLSDQGYRVDGRRAGELRK	2600.38	2600.38	0.00	-0.34	1.E-06
Q9UMS4	TLQLDNNFEVK	1319.67	1319.67	0.00	2.64	1.E-06
P13010	FSEEQRFNNFLK	1557.76	1557.76	0.00	0.59	1.E-06
Q03252	LELEQTYQAK	1222.63	1221.62	1.01	823.06	1.E-06
P07355	KELASALKSALS GHLETVILGLLK	2483.39	2490.48	-7.09	-2856.16	1.E-06
P16401	ATGPPVSELITK	1216.61	1211.68	4.93	4054.28	1.E-06
P16401	ATGPPVSELITK	1215.63	1211.68	3.95	3248.51	1.E-06
P16401	ATGPPVSELITK	1211.55	1211.68	-0.13	-111.37	1.E-06
P69905	LRVDPVNFK	1087.61	1086.62	0.99	911.58	1.E-06
P69905	LRVDPVNFK	1086.62	1086.62	0.00	0.50	1.E-06
Q9BW83	LAACILAGDPAVGK	1203.63	1482.82	-279.19	-231956.00	1.E-06
Q9BW83	LAACILAGDPAVGK	1198.63	1482.82	-284.19	-237092.00	1.E-06

P02545	ERARLQLELSK	1342.77	1341.77	1.00	747.91	1.E-06
P02545	ERARLQLELSK	1342.77	1341.77	1.00	747.54	1.E-06
P50995	QRQKILLSFK	1259.73	1259.73	0.00	1.99	1.E-06
Q59EM9	QLENGRTLSDYNIQK	1761.86	1777.90	-16.04	-9105.16	1.E-06
P61247	APAMFNIRNIGK	1334.69	1330.72	3.97	2973.84	1.E-06
P61247	APAMFNIRNIGK	1334.67	1330.72	3.95	2958.15	1.E-06
P07305	GVGASGSFRLAK	1155.70	1148.63	7.07	6116.24	1.E-06
P60709	IWHHTFYNELRVAPEEHPVLLTEAPLNPK	3449.80	3449.79	0.01	2.09	1.E-06
P60709	IWHHTFYNELRVAPEEHPVLLTEAPLNPK	3449.80	3449.79	0.01	3.60	1.E-06
Q15424	EESSELEQPFQDTSSVGPDRK	2435.11	2435.11	0.00	1.27	1.E-06
Q562R8	LRVAPEEHPVLLTEAPLNPK	2351.29	2222.24	129.05	54885.50	1.E-06
P62701	LTGVFAPRPSTGPHK	1566.86	1563.85	3.01	1920.64	1.E-06
Q562R8	LRVAPEEHPVLLTEAPLNPK	2333.28	2222.24	111.04	47588.90	1.E-06
P16401	ATGPPVSELITK	1215.63	1211.68	3.95	3248.27	1.E-06
P46781	TYVTPRRPF EK	1393.73	1392.75	0.98	704.54	1.E-06

P17676	APPTACYAGAAPAPSQVK	1769.88	1755.86	14.02	7922.57	1.E-06
Q96ST2	ILQELPSVSQETLK	1583.88	1583.88	0.00	1.13	1.E-06
Q09028	IGEEQSPEDAEDGPPELLFIHGGHTAK	2872.36	2872.35	0.01	3.64	1.E-06
P62701	DANGNSFATRLSNIFVIGK	2024.03	2023.05	0.98	486.03	1.E-06
P05388	RVLALSVETDYTFPLAEK	2051.09	2051.09	0.00	0.94	1.E-06
P05388	RVLALSVETDYTFPLAEK	2050.19	2051.09	-0.90	-437.11	1.E-06
P14866	NDQDTWDYTNPNLSGQGDPGSPNK	2733.15	2733.15	0.00	0.16	1.E-06
P33992	SDASPSSIRSLK	1246.65	1246.65	0.00	0.87	1.E-06
P49756	KLPVDSVFNK	1145.64	1145.64	0.00	1.54	1.E-06
P02545	ERARLQLELSK	1341.77	1341.77	0.00	-0.32	1.E-06
P02545	ERARLQLELSK	1339.79	1341.77	-1.98	-1476.07	1.E-06
Q9H0S4	IQIEAIPALQGRDIIGLAETGSGK	2565.17	2562.44	2.73	1064.56	1.E-06
P02545	QREFESRLADALQELRAQHEDQVEQYK	3187.52	3315.62	-128.10	-40188.10	1.E-06
Q9UQE7	MNLPGEVTFPLPNK	1587.84	1571.84	16.00	10076.10	1.E-06
P15880	TYSYLTPDLWK	1382.81	1385.69	-2.88	-2084.25	1.E-06

P46781	TYVTPRRPF EK	1392.75	1392.75	0.00	0.67	2.E-06
P62753	LIEVDDERK	1120.58	1115.58	5.00	4457.77	2.E-06
P62753	LIEVDDERK	1118.66	1115.58	3.08	2757.55	2.E-06
Q96ST2	ILQELPSVSQETLK	1585.89	1583.88	2.01	1266.35	2.E-06
P62701	GRFAVHRITPEEAK	1609.87	1609.87	0.00	0.91	2.E-06
Q08211	YPSPFFVFGEK	1316.64	1316.64	0.00	1.37	2.E-06
Q04695	EPVTTRQVRTIVEEVQDGK	2183.16	2183.15	0.01	3.49	2.E-06
P07355	DIISDTSGDFRK	1352.66	1352.66	0.00	0.82	2.E-06
Q9BZJ0	NRTVISNWIK	1229.69	1229.69	0.00	1.59	2.E-06
Q53G20	GTAAAAAAAAAAAAAK	1085.58	1227.66	-142.07	-130875.00	2.E-06
Q53G20	GTAAAAAAAAAAAAAK	1085.56	1227.66	-142.10	-130900.00	2.E-06
P42166	YGVNPGPIVGTTTRK	1462.75	1457.80	4.95	3384.15	2.E-06
P42166	YGVNPGPIVGTTTRK	1457.80	1457.80	0.00	2.93	2.E-06
Q96JB1	LVQLYETSLVRHGLMTLGPSSGSK	2445.22	2542.36	-97.14	-39727.80	2.E-06
P52597	HSGPNSADSANDGFVRLRGLPFGCTK	2759.33	2759.32	0.01	3.06	2.E-06

P06748	VDNDENEHQLSLRTVSLGAGAK	2488.17	2352.17	136.00	54658.70	2.E-06
P06748	VDNDENEHQLSLRTVSLGAGAK	2480.27	2352.17	128.10	51646.10	2.E-06
P62701	LTGVFAPRPSTGPHK	1563.85	1563.85	0.00	0.56	2.E-06
P62753	LIEVDDERK	1115.58	1115.58	0.00	0.78	2.E-06
P62753	LIEVDDERK	1111.63	1115.58	-3.95	-3550.29	2.E-06
P61981	GDYYRYLAEVATGEK	1733.83	1733.83	0.00	0.50	2.E-06
P36578	(41)ACARPLISVYSEK	1421.69	1534.78	-113.09	-79547.30	2.E-06
Q9H0S4	IQIEAIPALQGRDIIGLAETGSGK	2562.45	2562.44	0.01	2.95	2.E-06
Q14566	VIHRLTHYDHVLIELTQAGLK	2455.37	2455.37	0.00	0.20	2.E-06
O75367	NGPLEVAGAAVSAGHGLPAK	1814.96	1814.96	0.00	0.70	2.E-06
P08758	PSRLYDAYELK	1353.69	1353.69	0.00	0.11	2.E-06
P61978	IILDLISESPIK	1339.80	1339.80	0.00	0.05	2.E-06
Q8IY81	HRILDPEGLALGAVIASSKKAKRDLIDN(37)SFNRYTFNEDEG ELPEWVFVQEEKQHRIRQLPVGK	7295.90	7266.72	29.18	3999.66	2.E-06
Q562R8	LRVAPEEHPVLLTEAPLNPK	2333.28	2222.24	111.04	47588.90	2.E-06
P11021	ELEEIVQPIISK	1400.88	1396.78	4.10	2927.93	2.E-06

P11021	ELEEIVQPIISK	1400.81	1396.78	4.03	2873.98	2.E-06
P11021	ELEEIVQPIISK	1399.85	1396.78	3.07	2192.87	2.E-06
Q9UQE7	ILMEFNKMNLPGVTFPLPLNK	2377.18	2447.30	-70.12	-29495.60	2.E-06
P46778	EPELLEPIPYEFMA	1696.90	1676.80	20.10	11845.00	2.E-06
P46778	EPELLEPIPYEFMA	1692.80	1676.80	16.00	9449.61	2.E-06
P46778	EPELLEPIPYEFMA	1692.77	1676.80	15.97	9431.65	2.E-06
A6NGW7	LVVDFSATWCGPCKMIK	1775.82	2010.97	-235.15	-132415.00	2.E-06
P05783	IMADIRAQYDELARK	1791.93	1791.93	0.00	2.27	2.E-06
Q8NI36	VVNLGVLAQK	1044.59	1039.64	4.95	4742.94	2.E-06
Q04695	TRLEQEIATYRRLEGEDAHLTQYK	3032.58	3032.57	0.01	2.57	2.E-06
O43395	TGIHTSTRLLALIAPK	1579.80	1577.93	1.87	1186.48	2.E-06
P22626	REKEQFRKLFIGGLSFETTEESLRNYEQWGK	3842.05	3967.99	-125.94	-32778.60	2.E-06
P61978	IILDLISESPIK	1340.74	1339.80	0.94	701.23	2.E-06
P61247	APAMFNIRNIGK	1330.72	1330.72	0.00	1.09	2.E-06
P61247	LMELHGEQSSSGK	1330.66	1330.62	0.04	31.12	2.E-06

P61247	LMELHGEGSSSGK	1330.62	1330.62	0.00	1.21	2.E-06
P02545	ERARLQLELSK	1341.77	1341.77	0.00	-0.02	2.E-06
P36578	(41)ACARPLISVYSEK	1424.74	1534.78	-110.04	-77232.60	2.E-06
P36578	(41)ACARPLISVYSEK	1422.78	1534.78	-112.00	-78715.30	2.E-06
P08758	PSRLYDAYELK	1353.69	1353.69	0.00	0.41	2.E-06
P08758	PSRLYDAYELK	1352.77	1353.69	-0.92	-677.16	2.E-06
Q04695	EPVTTRQVRTIVEEVQDGK	2183.16	2183.15	0.01	2.94	2.E-06
P42766	SIARVLTVINQTQK	1569.93	1569.92	0.01	9.41	2.E-06
P02545	DLEALLNSK	1003.61	1001.54	2.07	2067.42	2.E-06
P61978	IILDLISESPIK	1339.78	1339.80	-0.02	-13.01	2.E-06
P61978	IILDLISESPIK	1339.77	1339.80	-0.03	-21.97	2.E-06
P22626	RAVAREESGKPGAHVTVK	1891.04	1891.04	0.00	0.93	3.E-06
P20700	DAALATALGDKK	1172.64	1172.64	0.00	-0.14	3.E-06
Q8NC51	EGIRRVGRRPDQQLQGEGK	2178.18	2178.17	0.01	2.68	3.E-06
A6NJC9	STYQEFTDHLVK	1469.76	1466.70	3.06	2079.97	3.E-06

P15880	TYSYLTPLDLWK	1385.69	1385.69	0.00	0.43	3.E-06
Q08211	YPSFFVFG EK	1316.64	1316.64	0.00	2.28	3.E-06
Q13838	KNCPHIVGTPGRILALARNK	2199.24	2313.32	-114.08	-51871.90	3.E-06
P19338	GLSEDTEETLK	1321.62	1321.62	0.00	1.30	3.E-06
P11021	ELEEIVQPIISK	1396.78	1396.78	0.00	0.42	3.E-06
P32969	GVTLGFRYK	1039.58	1039.58	0.00	1.11	3.E-06
P32969	GVTLGFRYK	1039.57	1039.58	-0.01	-9.37	3.E-06
P62753	GYVVRISGGNDK	1264.73	1263.66	1.07	844.59	3.E-06
P62753	GYVVRISGGNDK	1263.66	1263.66	0.00	0.69	3.E-06
P05388	TSFFQALGITTK	1312.70	1312.70	0.00	1.84	3.E-06
O60506	EFNEDGALAVLQQFK	1707.85	1707.85	0.00	-0.10	3.E-06
O43390	LCDSYEIRPGK	1336.64	1336.64	0.00	0.29	3.E-06
Q53G20	GTAAAAAAAAAAAAAK	1085.59	1227.66	-142.07	-130873.00	3.E-06
P20700	ALYETELADARRALDDTARERAK	2633.35	2633.35	0.00	0.50	3.E-06
P46778	RINVRIEHIK	1276.77	1276.77	0.00	0.89	3.E-06

P09874	VFSATLGLVDIVK	1360.80	1360.80	0.00	0.83	3.E-06
P07355	AYTNFDAERDALNIETAIKTK	2453.28	2383.20	70.08	28564.40	3.E-06
Q562R8	LRVAPEEHPVLLTEAPLNPK	2351.29	2222.24	129.05	54884.90	3.E-06
P62906	KVLCLAVAVGHVK	1278.75	1392.83	-114.08	-89211.70	3.E-06
Q6PJT7	LRSVTTEPSSLK	1321.63	1316.73	4.90	3704.93	3.E-06
P14866	NRIQHPSNVLHFFNAPLEVTEENFFEICDELGVK	4041.96	4041.97	-0.01	-3.18	3.E-06
P05787	TEISEMNRNISRLQAEIEGLK	2435.23	2430.25	4.98	2044.55	3.E-06
P20700	EELRELNDRLAVYIDK	1975.04	1975.04	0.00	0.19	3.E-06
Q9ULV4	NADPILISLK	1082.63	1082.63	0.00	3.66	3.E-06
Q9UPQ0	GSLTEGALAHSGNPVSK	1629.80	1623.82	5.98	3668.42	3.E-06
P61353	NIDDGTSDRPYSHALVAGIDRYPRK	2819.45	2815.40	4.05	1435.35	3.E-06
P05787	LSELEAALQRAK	1204.67	1327.75	-123.08	-102166.00	3.E-06
P05787	LSELEAALQRAK	1200.52	1327.75	-127.24	-105984.00	3.E-06
P05787	LSELEAALQRAK	1199.66	1327.75	-128.09	-106774.00	3.E-06
P62424	VPPAINQFTQALDRQTATQLLK	2452.34	2452.34	0.00	1.48	3.E-06

O43395	TGIHTSTRLALIAPK	1577.93	1577.93	0.00	0.51	4.E-06
P15880	SLEEIYLFSLPIK	1551.87	1550.86	1.01	648.40	4.E-06
P02545	NIYSEELRETK	1381.67	1380.69	0.98	711.24	4.E-06
P02545	NIYSEELRETK	1380.71	1380.69	0.02	18.04	4.E-06
P02545	NIYSEELRETK	1380.69	1380.69	0.00	-0.79	4.E-06
Q15050	VSTASVGRFQERLPK	1674.93	1673.92	1.01	601.53	4.E-06
Q13435	PLYGDVFGTNAAEFQTK	1854.98	1856.89	-1.91	-1027.31	4.E-06
P20700	EELRELNDR LAVYIDK	1975.04	1975.04	0.00	1.11	4.E-06
P27635	IRIFDLGRKK	1244.77	1244.77	0.00	0.41	4.E-06
P63261	(44)EEEIAALVIDNGSGMCK	1907.85	1876.85	31.00	16247.60	4.E-06
P63261	(44)EEEIAALVIDNGSGMCK	1907.81	1876.85	30.96	16228.50	4.E-06
P05783	IMADIRAQYDELARK	1791.93	1791.93	0.00	2.39	4.E-06
P46781	MKLDYILGLK	1209.69	1192.69	17.00	14052.10	4.E-06
P20700	SLEGDLEDLK	1117.55	1117.55	0.00	2.46	4.E-06
P20700	SLEGDLEDLK	1116.62	1117.55	-0.93	-835.52	4.E-06

Q9UQE7	AELGTDLLSQLSLEDQK	1858.96	1858.95	0.01	2.82	4.E-06
P36578	ACARPLISVYSEK	1443.77	1492.77	-49.00	-33936.20	4.E-06
P36578	ACARPLISVYSEK	1443.75	1492.77	-49.02	-33951.90	4.E-06
P13645	VTMQNLNDRLASYLDK	1867.92	1879.95	-12.03	-6441.40	4.E-06
O60506	LDEIYVAGLVAHSDLDERAIEALK	2641.43	2639.38	2.05	775.57	4.E-06
P20700	DAALATALGDKK	1172.64	1172.64	0.00	1.74	4.E-06
Q9GZL7	APLYDLAAHEDK	1352.66	1341.66	11.00	8134.90	4.E-06
P26373	STESLQANVQRLK	1344.70	1472.79	-128.09	-95258.00	5.E-06
P61353	NIDDGTSRDPYSHALVAGIDRYPRK	2815.40	2815.40	0.00	1.45	5.E-06
P04083	QAWFIENEEQEYVQTVK	2140.02	2140.01	0.01	3.42	5.E-06
Q9NQG5	IASLPQEVQDVSLLK	1770.86	1767.96	2.90	1636.10	5.E-06
Q9Y5B9	DLYIRPNIAQK	1329.74	1329.74	0.00	3.18	5.E-06
P05787	TEISEMNRNISRLQAEIEGLK	2430.25	2430.25	0.00	0.85	5.E-06
P02545	DLEALLNSK	1001.54	1001.54	0.00	0.00	5.E-06
Q9H081	QALLAELEEQK	1271.69	1270.68	1.01	790.41	5.E-06

Q8WWM7	EPGRTLEPQELARIAGK	1873.03	1864.02	9.01	4807.78	5.E-06
Q09028	IGEEQSPEDAEDGPELLFIHGGHTAK	2872.36	2872.35	0.01	2.28	5.E-06
P07355	PLYFADRLYDSMK	1633.79	1617.79	16.00	9792.30	5.E-06
Q9UHA3	QNIHLIRAPLAGK	1429.85	1429.85	0.00	0.12	5.E-06
P61247	FELGKLMELHGEGSSSGK	2028.04	1904.93	123.11	60703.70	5.E-06
Q9P0K7	TALHYAAAQGLQAVQILCEHK	2200.22	2481.23	-281.01	-127722.00	6.E-06
P06748	MSVQPTVSLGGFEITPPVVRLK	2486.19	2467.39	18.80	7561.70	6.E-06
P06748	MSVQPTVSLGGFEITPPVVRLK	2483.39	2467.39	16.00	6444.01	6.E-06
P06748	MSVQPTVSLGGFEITPPVVRLK	2479.32	2467.39	11.93	4810.32	6.E-06
P15880	EVATAIRGAILAK	1424.87	1424.87	0.00	1.22	6.E-06
Q53G20	GTAAAAAAAAAAAAAK	1085.59	1227.66	-142.07	-130873.00	6.E-06
Q53G20	GTAAAAAAAAAAAAAK	1085.59	1227.66	-142.07	-130873.00	6.E-06
Q53G20	GTAAAAAAAAAAAAAK	1085.56	1227.66	-142.10	-130899.00	6.E-06
Q53G20	GTAAAAAAAAAAAAAK	1085.56	1227.66	-142.10	-130900.00	6.E-06
Q9H2P0	RTYEQMEFPLKKRKLDDSDSPSFFEEKPEEPVVLALDPK	4872.36	4865.45	6.91	1417.27	6.E-06

P19338	VEGTEPTTAFNLFVGNLNFNK	2311.16	2311.15	0.01	2.24	6.E-06
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	0.54	6.E-06
Q08211	GMTLVTPQLLLLFASK	1747.00	1731.00	16.00	9156.61	6.E-06
P02545	ERARLQLELSK	1341.77	1341.77	0.00	-0.09	6.E-06
P04083	QAWFIENEEQEYVQTVK	2122.99	2140.01	-17.02	-8015.93	6.E-06
O60812	VDSLLENLEK	1162.69	1158.61	4.08	3508.67	7.E-06
P20700	EELRELNDR LAVYIDK	1975.04	1975.04	0.00	1.31	7.E-06
O75526	SRGFVTFESPADAK	1728.86	1728.85	0.01	3.24	7.E-06
P36578	(41)ACARPLISVYSEK	1424.74	1534.78	-110.04	-77232.60	7.E-06
P36578	(41)ACARPLISVYSEK	1422.78	1534.78	-112.00	-78715.20	7.E-06
P36578	(41)ACARPLISVYSEK	1421.69	1534.78	-113.09	-79547.30	7.E-06
O75400	EPAFEDITLESERK	1662.81	1662.81	0.00	1.66	7.E-06
P43243	LCSLFYTNEEVAK	1572.75	1572.75	0.00	1.22	7.E-06
P43243	LCSLFYTNEEVAK	1569.79	1572.75	-2.96	-1885.84	7.E-06
P07355	PLYFADRLYDSMKGKTRDK	2454.28	2360.19	94.09	38336.80	7.E-06

Q04695	EPVTTRQVRTIVEEVQDGK	2183.16	2183.15	0.01	3.08	8.E-06
P61247	VERADGYEPPVQESV	1673.79	1673.79	0.00	0.87	8.E-06
P20700	DAALATALGDKK	1176.61	1172.64	3.97	3372.94	8.E-06
P20700	DAALATALGDKK	1175.64	1172.64	3.00	2554.97	8.E-06
P20700	DAALATALGDKK	1172.64	1172.64	0.00	1.99	8.E-06
A6NJC9	STYQEFTDHLVK	1469.76	1466.70	3.06	2079.70	8.E-06
O43818	LYLEQLRQQEEEK	1704.88	1704.87	0.01	4.43	8.E-06
P02545	ERARLQLELSK	1339.79	1341.77	-1.98	-1475.92	8.E-06
P05787	LEAELGNMQGLVEDFK	1807.87	1791.87	16.00	8847.52	8.E-06
P05787	LEAELGNMQGLVEDFK	1807.83	1791.87	15.96	8828.33	8.E-06
Q59EM9	QLENGRTLSDYNIQK	1761.86	1777.90	-16.04	-9105.05	8.E-06
P05787	LVSESSDVLPK	1175.64	1172.63	3.01	2561.88	8.E-06
P60709	QEYDESGPSIVHRK	1626.77	1643.79	-17.02	-10463.30	8.E-06
Q9BZJ0	NRTVISNWIK	1236.73	1229.69	7.04	5692.56	8.E-06
Q9BZJ0	NRTVISNWIK	1235.73	1229.69	6.04	4885.52	8.E-06

Q9UHX1	(41)ATATIALQVNGQQGGGSEPAAAAVVAAGDK	2836.42	2835.44	0.98	345.60	9.E-06
Q9NR30	DAIRLLDSVPPTAISHFK	1979.08	1979.08	0.00	0.32	9.E-06
Q15424	ELPEQLQEHAIEDK	1677.83	1677.82	0.01	3.13	9.E-06
P15880	SLEEIYLFSLPIK	1551.86	1550.86	1.00	646.54	9.E-06
O60812	VDSLLENLEK	1160.64	1158.61	2.03	1747.40	9.E-06
P07355	PLYFADRLYDSMK	1633.79	1617.79	16.00	9792.30	9.E-06
Q8N1F7	DNALLSAIEESRK	1445.75	1444.75	1.00	693.93	9.E-06
P33992	SIAPSIFGGTDMK	1325.77	1322.65	3.12	2356.12	9.E-06
P04792	LATQSNEITIPVTFESRAQLGGPEAAK	2837.36	2827.47	9.89	3486.64	9.E-06
Q02539	NNSRIKLGK	1142.68	1141.69	0.99	862.69	9.E-06
P18124	RIALTDNALIARSLGK	1704.99	1711.01	-6.02	-3532.06	9.E-06
Q9NR30	DLIAQARTGTGK	1229.67	1229.67	0.00	0.75	9.E-06
Q6ECI4	KSLKTHSVVKK	1148.59	1253.78	-105.19	-91580.10	9.E-06
Q6ECI4	KSLKTHSVVKK	1143.70	1253.78	-110.08	-96251.80	9.E-06
Q6ECI4	KSLKTHSVVKK	1138.59	1253.78	-115.19	-101164.00	9.E-06

Q562T7	EHPMLLTEAPLNPK	1570.71	1588.83	-18.12	-11533.60	1.E-05
P02545	ERARLQLELSK	1346.72	1341.77	4.95	3674.46	1.E-05
Q9BQG0	ADLNIISSPEQLELFLLAQK	2487.29	2482.37	4.92	1979.16	1.E-05
Q9BQG0	ADLNIISSPEQLELFLLAQK	2482.37	2482.37	0.00	1.03	1.E-05
Q00839	SSGPTSLFAVTVAPPGARQQQQAGGK	2596.34	2596.34	0.00	1.84	1.E-05
Q08170	DYMRQAGEVYADAHK	1848.96	1853.84	-4.88	-2639.94	1.E-05
P13645	NQILNLTDDNANILLQIDNARLAADDFRLK	3398.86	3395.82	3.04	894.46	1.E-05
O43818	AEARAFEEDQVAGRLK	1789.85	1788.91	0.94	527.91	1.E-05
O43818	AEARAFEEDQVAGRLK	1788.92	1788.91	0.01	3.57	1.E-05
Q8N1F7	DNALLSAIEESRK	1444.80	1444.75	0.05	33.19	1.E-05
P19388	IIRPSETAGRYITYRLVQ	2135.19	2135.19	0.00	0.89	1.E-05
O15504	IPLKPPPLELLNV	1441.89	1441.89	0.00	2.71	1.E-05
A3R0T7	AVTASKERSGVSLAALK	1691.87	1686.96	4.91	2903.88	1.E-05
P61247	VERADGYEPPVQESV	1673.79	1673.79	0.00	0.93	1.E-05
P09651	RAVSREDSQRPGAHLTVK	2006.08	2006.08	0.00	1.18	1.E-05

P20700	DAALATALGDKK	1176.67	1172.64	4.03	3426.90	1.E-05
P20700	DAALATALGDKK	1176.66	1172.64	4.02	3413.60	1.E-05
P20700	DAALATALGDKK	1172.64	1172.64	0.00	0.46	1.E-05
P68104	DGNASGTTLLEALDCILPPTRPTDK	2661.36	2654.32	7.04	2644.70	1.E-05
P62736	EITALAPSTMK	1179.61	1160.61	19.00	16104.80	1.E-05
P62736	EITALAPSTMK	1176.61	1160.61	16.00	13595.70	1.E-05
P62736	EITALAPSTMK	1176.59	1160.61	15.98	13584.00	1.E-05
P62736	EITALAPSTMK	1172.64	1160.61	12.03	10260.40	1.E-05
P07305	GVGASGSFRLAK	1148.68	1148.63	0.05	41.63	1.E-05
Q13727	VDIDVPDVNIEGPDAK	1694.84	1694.84	0.00	1.45	1.E-05
Q562R8	IWHHTFYNK	1127.53	1244.61	-117.08	-103840.00	1.E-05
Q562R8	IWHHTFYNK	1122.59	1244.61	-122.02	-108690.00	1.E-05
Q562R8	IWHHTFYNK	1122.56	1244.61	-122.05	-108726.00	1.E-05
Q02539	NNSRIKLGIK	1141.69	1141.69	0.00	1.12	1.E-05
Q9UQE7	ALDQFVNFSEQK	1424.69	1424.69	0.00	1.00	1.E-05

O60812	VDSLLENLEK	1158.61	1158.61	0.00	1.04	1.E-05
P06748	VDNDENEHQLSLRTVSLGAGAK	2357.12	2352.17	4.95	2101.24	1.E-05
P68104	GSF(75)KYAWVLDK	1341.77	1340.71	1.06	792.87	1.E-05
O14979	VFVGGLSPDTSEEQIK	1704.86	1704.86	0.00	0.30	1.E-05
P45973	GFSEEHNTWEPEK	1592.85	1588.68	4.17	2620.85	1.E-05
P62736	EITALAPSTMK	1179.61	1160.61	19.00	16105.40	1.E-05
P62736	EITALAPSTMK	1176.62	1160.61	16.01	13610.70	1.E-05
P62736	EITALAPSTMK	1176.61	1160.61	16.00	13595.50	1.E-05
P62736	EITALAPSTMK	1176.59	1160.61	15.98	13583.00	1.E-05
P62736	EITALAPSTMK	1172.64	1160.61	12.03	10260.80	1.E-05
Q12906	PAVVAPAPVVEAVSTPSAAFPSDATAEQGPILTK	3287.73	3287.73	0.00	0.38	1.E-05
Q53G99	DLYANTVLSGGTTMYPGIADRMK	2633.26	2629.30	3.96	1503.76	1.E-05
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	1.03	1.E-05
A6NJC9	STYQEFTDHLVK	1469.76	1466.70	3.06	2080.10	1.E-05
P62736	EITALAPSTMK	1179.92	1160.61	19.31	16362.90	1.E-05

P62736	EITALAPSTMK	1179.92	1160.61	19.31	16362.90	1.E-05
P62736	EITALAPSTMK	1176.61	1160.61	16.00	13597.50	1.E-05
P62736	EITALAPSTMK	1173.32	1160.61	12.71	10831.90	1.E-05
P62736	EITALAPSTMK	1173.32	1160.61	12.71	10831.90	1.E-05
P62736	EITALAPSTMK	1172.64	1160.61	12.03	10261.40	1.E-05
P02545	ERARLQLELSK	1340.72	1341.77	-1.05	-785.49	1.E-05
P62736	EITALAPSTMK	1179.61	1160.61	19.00	16104.60	1.E-05
P62736	EITALAPSTMK	1176.62	1160.61	16.01	13610.40	1.E-05
P62736	EITALAPSTMK	1176.61	1160.61	16.00	13595.10	1.E-05
P62736	EITALAPSTMK	1176.59	1160.61	15.98	13583.00	1.E-05
P62736	EITALAPSTMK	1176.58	1160.61	15.97	13573.20	1.E-05
P62736	EITALAPSTMK	1172.64	1160.61	12.03	10260.20	1.E-05
P05787	LLEGEESRLESGMQNMSIHTK	2423.17	2388.14	35.03	14457.60	1.E-05
P05787	LLEGEESRLESGMQNMSIHTK	2420.13	2388.14	31.99	13219.60	1.E-05
P05787	LLEGEESRLESGMQNMSIHTK	2420.09	2388.14	31.95	13202.20	1.E-05

Q59EM9	QLENGRTLSDYNIQK	1761.86	1777.90	-16.04	-9103.73	1.E-05
P16401	ATGPPVSELITK	1212.68	1211.68	1.00	827.57	1.E-05
P60709	QEYDESGPSIVHRK	1626.77	1643.79	-17.02	-10463.30	1.E-05
Q13765	NILFVITKPDVYK	1548.89	1548.89	0.00	1.46	1.E-05
O60506	ALLERTGYTLDVTTGQRK	2021.09	2021.09	0.00	0.63	1.E-05
Q9NR30	DLIAQARTGTGK	1233.67	1229.67	4.00	3241.00	1.E-05
P09661	NAIANASTLAEVERLK	1698.93	1698.93	0.00	0.23	1.E-05
P04083	GLGTDEDTLIEILASRTNK	2045.06	2045.06	0.00	0.62	1.E-05
P02545	ERARLQLELSK	1341.77	1341.77	0.00	0.06	1.E-05
P46782	YLPHSAGRYAAK	1389.71	1332.69	57.02	41032.10	1.E-05
P84090	(51)SHTILLVQPTK	1281.75	1277.73	4.02	3133.64	1.E-05
P84090	(51)SHTILLVQPTK	1278.62	1277.73	0.89	696.64	1.E-05
Q5HYM7	QNASLQAAITDAEQRGELALK	2225.08	2226.16	-1.08	-484.38	1.E-05
P20700	DAALATALGDKK	1176.61	1172.64	3.97	3372.94	1.E-05
Q13765	NILFVITKPDVYK	1552.89	1548.89	4.00	2575.75	1.E-05

P62736	EITALAPSTMK	1178.60	1160.61	17.99	15266.00	1.E-05
P62736	EITALAPSTMK	1178.60	1160.61	17.99	15266.00	1.E-05
P62736	EITALAPSTMK	1176.61	1160.61	16.00	13595.10	1.E-05
Q15459	EDSAPSKPVVGIIPPPEVRNIVDK	2725.48	2718.46	7.02	2576.80	1.E-05
Q09666	AGLRVSAPEVSVGHK	1506.79	1505.83	0.96	636.40	1.E-05
Q09666	AGLRVSAPEVSVGHK	1505.83	1505.83	0.00	2.53	1.E-05
Q09666	AGLRVSAPEVSVGHK	1503.78	1505.83	-2.05	-1366.28	1.E-05
Q09666	AEGPEVDVNLPK	1266.65	1266.65	0.00	2.73	2.E-05
Q09666	AEGPEVDVNLPK	1263.61	1266.65	-3.04	-2402.04	2.E-05
Q9P0K7	TALHYAAAQGCLQAVQILCEHK	2199.05	2481.23	-282.18	-128318.00	2.E-05
P62736	EITALAPSTMK	1179.61	1160.61	19.00	16105.50	2.E-05
P62736	EITALAPSTMK	1176.61	1160.61	16.00	13595.60	2.E-05
P62736	EITALAPSTMK	1172.64	1160.61	12.03	10260.40	2.E-05
Q8WUM0	ALQRDNWSSSDGKDDPIEVSK	2358.14	2346.11	12.03	5099.61	2.E-05
P20700	HETRLVEVDSGRQIEYKYK	2351.16	2350.16	1.00	425.62	2.E-05

P32969	GVTLGFRYK	1039.58	1039.58	0.00	1.21	2.E-05
P20700	ALYETELADARRALDDTARERAK	2634.35	2633.35	1.00	380.90	2.E-05
P16401	ATGPPVSELITK	1215.63	1211.68	3.95	3248.27	2.E-05
P16401	ATGPPVSELITK	1211.55	1211.68	-0.13	-111.37	2.E-05
Q96GM8	RALLNLPGTQTSGEAK	1656.79	1654.90	1.89	1139.25	2.E-05
Q96GM8	RALLNLPGTQTSGEAK	1654.90	1654.90	0.00	2.72	2.E-05
Q09666	AEGPEVDVNLPK	1266.65	1266.65	0.00	2.41	2.E-05
P19388	EEVTELLARYK	1350.72	1349.72	1.00	743.64	2.E-05
A4D111	LMELHGDSSSSGK	1348.68	1346.61	2.07	1533.41	2.E-05
P14136	VRFLEQQNK	1160.63	1160.63	0.00	2.68	2.E-05
P02545	ERARLQLELSK	1341.77	1341.77	0.00	0.50	2.E-05
P84090	(51)SHTILLVQPTK	1277.73	1277.73	0.00	1.60	2.E-05
P62736	EITALAPSTMK	1176.57	1160.61	15.96	13568.30	2.E-05
P62736	EITALAPSTMK	1173.65	1160.61	13.04	11106.50	2.E-05
P02545	ERARLQLELSK	1339.79	1341.77	-1.98	-1475.47	2.E-05

Q13727	VDIDVPDVNIEGPDAK	1698.76	1694.84	3.92	2308.66	2.E-05
Q13727	VDIDVPDVNIEGPDAK	1695.85	1694.84	1.01	592.95	2.E-05
P32969	GVTLGFRYK	1044.56	1039.58	4.98	4768.75	2.E-05
P32969	GVTLGFRYK	1043.61	1039.58	4.03	3860.69	2.E-05
P32969	GVTLGFRYK	1039.58	1039.58	0.00	1.30	2.E-05
P32969	GVTLGFRYK	1039.57	1039.58	-0.01	-9.95	2.E-05
Q07020	GCGTVLLSGPRK	1261.72	1243.67	18.05	14307.30	2.E-05
Q07020	GCGTVLLSGPRK	1259.71	1243.67	16.04	12736.30	2.E-05
P20700	ALYETELADARRALDDTARERAK	2633.35	2633.35	0.00	0.42	2.E-05
P19338	EVFEDAAEIRLVSK	1604.84	1604.84	0.00	-0.65	2.E-05
O95785	EVVAGAPRPGLLSLAK	1578.84	1576.93	1.91	1208.15	2.E-05
O95785	EVVAGAPRPGLLSLAK	1578.72	1576.93	1.79	1132.61	2.E-05
O95785	EVVAGAPRPGLLSLAK	1576.93	1576.93	0.00	0.24	2.E-05
Q9UQE7	ALDQFVNFSEQK	1419.81	1424.69	-4.88	-3440.02	2.E-05
P18621	EQIVPKPEEEVAQK	1622.85	1622.85	0.00	0.55	2.E-05

A6NGR5	EVATAIRGAILAKLSIVPVHRGYWGNK	2856.64	3031.74	-175.10	-61294.20	2.E-05
P08107	NQVALNPQNTVFDK	1657.85	1657.84	0.01	3.22	2.E-05
A6NJC9	STYQEFTDHLVK	1469.76	1466.70	3.06	2080.58	2.E-05
A6NJC9	STYQEFTDHLVK	1469.76	1466.70	3.06	2080.31	2.E-05
P31946	AVTEQGHELSNEERNLLSVAYK	2486.24	2486.24	0.00	0.48	2.E-05
P32969	DELILEGNDIELVSNSAALIQQATTVK	2883.51	2883.51	0.00	-0.85	2.E-05
Q3SX59	LEESTMLPSMLLALL	1674.81	1659.88	14.93	8913.66	2.E-05
P02545	ERARLQLELSK	1341.77	1341.77	0.00	0.43	2.E-05
P61978	KIIPTLEEGQLPSPTATSQLPLESDAVECLNYQHVK	4068.05	4182.12	-114.07	-28040.50	2.E-05
P40429	VFDGIPPPYDK	1246.62	1246.62	0.00	0.44	2.E-05
P40429	VFDGIPPPYDK	1246.60	1246.62	-0.02	-13.60	2.E-05
P40429	VFDGIPPPYDK	1246.59	1246.62	-0.03	-24.67	2.E-05
P40429	VFDGIPPPYDK	1246.58	1246.62	-0.04	-33.58	2.E-05
Q9P0K7	TALHYAAAQGCLQAVQILCEHK	2199.05	2481.23	-282.18	-128318.00	2.E-05
P38159	R(37)SAPSGPVRSSSGMGGRAPVSRGRDSYGGPPRREPLP SRRDVYLSPRDDGYSTK	5844.95	5865.87	-20.92	-3579.99	2.E-05

P02545	LESTESRSSFSQHARTSGRVAVEEVDEEGK	3306.57	3306.57	0.00	-1.39	2.E-05
P62736	EITALAPSTMK	1179.61	1160.61	19.00	16104.20	2.E-05
P62736	EITALAPSTMK	1177.58	1160.61	16.97	14413.60	2.E-05
P62736	EITALAPSTMK	1176.65	1160.61	16.04	13631.00	2.E-05
P62736	EITALAPSTMK	1176.61	1160.61	16.00	13595.20	2.E-05
P62736	EITALAPSTMK	1176.59	1160.61	15.98	13582.20	2.E-05
P62736	EITALAPSTMK	1176.58	1160.61	15.97	13572.50	2.E-05
P62736	EITALAPSTMK	1176.57	1160.61	15.96	13567.90	2.E-05
P62736	EITALAPSTMK	1172.64	1160.61	12.03	10260.00	2.E-05
Q99729	FGEVVDCTIK	1166.56	1166.56	0.00	2.80	2.E-05
Q99729	FGEVVDCTIK	1164.56	1166.56	-2.00	-1713.11	2.E-05
O60506	ALLERTGYTLDVTTGQRK	2026.98	2021.09	5.89	2904.41	2.E-05
P84090	IYVLLRRQAQQAGK	1642.96	1642.96	0.00	0.31	2.E-05
P20700	ALYETELADARRALDDTARERAK	2633.35	2633.35	0.00	0.54	3.E-05
Q9UQE7	LDVRDTAYPETNDAIPMISK	2264.10	2248.10	16.00	7066.45	3.E-05

Q59EM9	QLENGRTLSDYNIQK	1778.89	1777.90	0.99	553.85	3.E-05
Q03252	ALYESELADARRVLDETARERARLQIEIGK	3470.86	3470.86	0.00	-0.64	3.E-05
P16401	ATGPPVSELITK	1211.65	1211.68	-0.03	-21.81	3.E-05
P16401	ATGPPVSELITK	1211.55	1211.68	-0.13	-110.54	3.E-05
O75475	GYPHWPARVDEVPDGAVKPPTNK	2532.32	2529.28	3.04	1198.87	3.E-05
P07355	DIISDTSGDFRK	1356.65	1352.66	3.99	2937.70	3.E-05
Q14684	TPTSSPASSPLVAK	1342.72	1341.71	1.01	748.72	3.E-05
P14923	RVSVELTNSLFK	1391.78	1391.78	0.00	0.11	3.E-05
P16403	ERSGVSLAALK	1130.65	1129.65	1.00	888.26	3.E-05
P16403	ERSGVSLAALK	1127.63	1129.65	-2.02	-1787.02	3.E-05
O00267	FIAYQFTDTPLIQKSVVAPEHVK	2536.33	2630.41	-94.08	-37091.10	3.E-05
Q00839	RNFILDQTNVSAQAQRK	2088.13	2087.13	1.00	480.62	3.E-05
P05388	IIQLDDYPK	1216.67	1216.67	0.00	1.30	3.E-05
Q13838	KNCPHIVVGTGPRILALARNK	2199.25	2313.32	-114.07	-51869.60	3.E-05
Q13111	LIQARLPFK	1088.62	1084.68	3.94	3623.33	3.E-05

Q9Y3Y2	GHLDAELDAYMAQTDPETND	2209.35	2204.92	4.43	2006.71	3.E-05
P02545	LRDLEDGLARERDTSRRLLAEK	2641.43	2641.43	0.00	-0.09	3.E-05
P62701	TGENFRLIYDTK	1455.74	1455.74	0.00	0.57	3.E-05
P62906	AVDIPHMDIEALK	1450.75	1450.75	0.00	-0.25	3.E-05
P62736	EITALAPSTMK	1179.61	1160.61	19.00	16105.70	3.E-05
P62736	EITALAPSTMK	1176.61	1160.61	16.00	13595.90	3.E-05
P62736	EITALAPSTMK	1176.59	1160.61	15.98	13583.40	3.E-05
P62736	EITALAPSTMK	1176.58	1160.61	15.97	13572.30	3.E-05
P08107	HWPFQVINDGDKPK	1679.84	1679.84	0.00	1.28	3.E-05
P41219	MALDIEIATYRK	1438.75	1422.75	16.00	11119.50	3.E-05
P08758	VLTEIIASRTPEELRAIK	2038.18	2038.18	0.00	1.67	3.E-05
P84090	MSHTILLVQPTK	1334.75	1366.76	-32.01	-23980.10	3.E-05
P16401	ATGPPVSELITK	1215.63	1211.68	3.95	3248.92	3.E-05
P16401	ATGPPVSELITK	1211.68	1211.68	0.00	0.89	3.E-05
P62736	EITALAPSTMK	1180.61	1160.61	20.00	16938.80	3.E-05

P62736	EITALAPSTMK	1177.58	1160.61	16.97	14411.50	3.E-05
P62736	EITALAPSTMK	1176.66	1160.61	16.05	13639.50	3.E-05
P62736	EITALAPSTMK	1176.65	1160.61	16.04	13635.30	3.E-05
P62736	EITALAPSTMK	1176.61	1160.61	16.00	13595.10	3.E-05
P62736	EITALAPSTMK	1176.59	1160.61	15.98	13582.50	3.E-05
P62736	EITALAPSTMK	1173.65	1160.61	13.04	11106.70	3.E-05
P06748	MSVQPTVSLGGFEITPPVVLRLK	2467.39	2467.39	0.00	1.42	3.E-05
Q13243	DFMRQAGEVTFADAHRPK	2091.00	2075.00	16.00	7650.25	3.E-05
P20700	ALYETELADARRALDDTARERAK	2633.35	2633.35	0.00	1.37	3.E-05
P63220	(49)MQNDAGEFVDLYVPRK	1938.92	1922.92	16.00	8251.02	3.E-05
P08579	MRGQAFVIFK	1198.71	1195.65	3.06	2554.01	3.E-05
Q9BQ39	SRYEQVDLVGK	1297.66	1292.67	4.99	3846.26	3.E-05
Q59EM9	QLENGRTLSDYNIQK	1761.86	1777.90	-16.04	-9103.44	4.E-05
P02545	EELDFQKNIYSEELRETK	2081.14	2270.11	-188.97	-90799.50	4.E-05
Q8IV61	AAKDKGFAKWENEK	1620.82	1620.83	-0.01	-3.43	4.E-05

P78316	RFGEYNSNMSPEEKMMK	2217.03	2076.91	140.12	63201.80	4.E-05
P02545	LESTESRSSFSQHARTSGRVAVEEVDEEGK	3306.57	3306.57	0.00	-0.30	4.E-05
P06748	DELHIVEAEAMNYEGSPIK	2217.03	2144.01	73.02	32934.80	4.E-05
P10809	FDRGYISPYFINTSK	1807.87	1806.89	0.98	540.99	4.E-05
P20700	ESRACLERIQUELEDLLAK	2172.14	2172.12	0.02	10.67	4.E-05
P20700	ESRACLERIQUELEDLLAK	2170.08	2172.12	-2.04	-941.82	4.E-05
P36578	MINTDLSRILK	1320.72	1302.73	17.99	13621.20	4.E-05
P36578	MINTDLSRILK	1320.72	1302.73	17.99	13621.20	4.E-05
P36578	MINTDLSRILK	1318.73	1302.73	16.00	12130.40	4.E-05
P36578	MINTDLSRILK	1315.69	1302.73	12.96	9847.35	4.E-05
P02545	LESTESRSSFSQHARTSGRVAVEEVDEEGK	3307.57	3306.57	1.00	302.52	4.E-05
P62906	FPSLLTHNENMVAK	1618.82	1599.81	19.01	11740.40	4.E-05
P62906	FPSLLTHNENMVAK	1615.81	1599.81	16.00	9899.72	4.E-05
P08579	MRGQAFVIFK	1199.70	1195.65	4.05	3373.29	4.E-05
P08579	MRGQAFVIFK	1196.66	1195.65	1.01	839.95	4.E-05

P08758	(41)AQVLRGTVTDFPGFDERADAETLRK	2833.45	2833.44	0.01	4.78	4.E-05
P62736	EITALAPSTMK	1179.61	1160.61	19.00	16103.80	4.E-05
P62736	EITALAPSTMK	1177.63	1160.61	17.02	14450.50	4.E-05
P62736	EITALAPSTMK	1177.58	1160.61	16.97	14412.60	4.E-05
P62736	EITALAPSTMK	1176.65	1160.61	16.04	13631.30	4.E-05
P62736	EITALAPSTMK	1176.61	1160.61	16.00	13595.20	4.E-05
P62736	EITALAPSTMK	1176.59	1160.61	15.98	13582.30	4.E-05
P62736	EITALAPSTMK	1176.58	1160.61	15.97	13572.00	4.E-05
P62736	EITALAPSTMK	1176.58	1160.61	15.97	13572.00	4.E-05
P62736	EITALAPSTMK	1176.57	1160.61	15.96	13563.10	4.E-05
P62736	EITALAPSTMK	1172.64	1160.61	12.03	10259.80	4.E-05
P02545	AA YEAE LGDARK	1295.68	1292.64	3.04	2348.00	4.E-05
P02545	AA YEAE LGDARK	1294.78	1292.64	2.14	1649.52	4.E-05
P02545	AA YEAE LGDARK	1292.64	1292.64	0.00	0.58	4.E-05
Q504R3	NFFWMTDQEAIQDLWQWRK	2540.17	2541.19	-1.02	-402.23	4.E-05

P07355	PLYFADRLYDSMK	1617.79	1617.79	0.00	0.74	4.E-05
P07355	DIISDTSGDFRK	1353.70	1352.66	1.04	767.84	4.E-05
P07355	DIISDTSGDFRK	1352.66	1352.66	0.00	3.04	4.E-05
P07355	TPAQYDASELK	1225.66	1221.59	4.07	3321.87	4.E-05
P07355	TPAQYDASELK	1221.59	1221.59	0.00	2.36	4.E-05
P07355	TPAQYDASELK	1220.70	1221.59	-0.89	-726.48	4.E-05
Q13111	LIQARLPFK	1084.68	1084.68	0.00	1.77	4.E-05
Q9Y5S9	NIHLNLDLDRRTGYLK	1711.95	1711.95	0.00	0.66	4.E-05
P20700	EELRELNDRDLAVYIDK	1975.04	1975.04	0.00	1.11	4.E-05
Q562T7	EHPMLLTEAPLNPK	1569.71	1588.83	-19.12	-12181.00	4.E-05
Q562R8	LRVAPEEHPVLLTEAPLNPK	2227.07	2222.24	4.83	2167.49	4.E-05
P02545	LRDLEDLARERDTSRLLAEK	2642.43	2641.43	1.00	380.17	4.E-05
P08579	MRGQAFVIFK	1211.65	1195.65	16.00	13201.60	4.E-05
P08579	MRGQAFVIFK	1209.73	1195.65	14.08	11636.00	4.E-05
Q99733	YAALYQPLFDK	1327.68	1327.68	0.00	3.00	4.E-05

O60812	QKVDSLLENLEK	1414.77	1414.77	0.00	-0.59	4.E-05
O00148	FMQDPMEVFVDDETK	1850.81	1829.79	21.02	11357.70	5.E-05
P46781	AARELLTLDEK	1259.58	1257.69	1.89	1504.27	5.E-05
P46781	AARELLTLDEK	1257.69	1257.69	0.00	0.61	5.E-05
P46781	AARELLTLDEK	1257.67	1257.69	-0.02	-12.91	5.E-05
P46781	AARELLTLDEK	1256.63	1257.69	-1.06	-845.46	5.E-05
P62701	VRTDITYPAGFMDVISIDK	2140.09	2140.09	0.00	0.37	5.E-05
P62736	EITALAPSTMK	1179.61	1160.61	19.00	16104.90	5.E-05
P62736	EITALAPSTMK	1179.61	1160.61	19.00	16104.70	5.E-05
P62736	EITALAPSTMK	1177.58	1160.61	16.97	14411.50	5.E-05
P62736	EITALAPSTMK	1176.65	1160.61	16.04	13630.90	5.E-05
P62736	EITALAPSTMK	1176.65	1160.61	16.04	13635.60	5.E-05
P62736	EITALAPSTMK	1176.61	1160.61	16.00	13595.30	5.E-05
P62736	EITALAPSTMK	1176.61	1160.61	16.00	13595.20	5.E-05
P62736	EITALAPSTMK	1176.59	1160.61	15.98	13582.50	5.E-05

P62736	EITALAPSTMK	1176.57	1160.61	15.96	13567.90	5.E-05
P62736	EITALAPSTMK	1173.65	1160.61	13.04	11107.00	5.E-05
P62736	EITALAPSTMK	1173.65	1160.61	13.04	11106.50	5.E-05
Q03164	TNLDLGPTAPSLEK	1454.76	1454.76	0.00	-0.10	5.E-05
O75955	QQIEEQRVQVQVVERAQQVAVQEQEIARREK	3730.99	3730.98	0.01	1.97	5.E-05
Q9NX63	RRVAEELALEQAK	1511.84	1511.84	0.00	0.43	5.E-05
P16401	ATGPPVSELITK	1215.63	1211.68	3.95	3249.01	5.E-05
P43243	LCSLFYTNEEVAK	1572.75	1572.75	0.00	1.03	5.E-05
P43243	LCSLFYTNEEVAK	1569.79	1572.75	-2.96	-1885.84	5.E-05
P52597	HSGPNSADSANDGFVRLRGLPFGCTK	2759.33	2759.32	0.01	3.03	5.E-05
Q8WYN9	(49)MIPPDQQLIFAGK	1695.90	1654.89	41.01	24182.10	5.E-05
Q8NC51	KEETQPPVALK	1238.69	1238.69	0.00	2.72	5.E-05
Q8NC51	KEETQPPVALK	1237.57	1238.69	-1.12	-904.21	5.E-05
O43143	REVDDLGPVEVDIK	1540.77	1540.77	0.00	-0.10	5.E-05
P62906	NWQNVRALYIK	1403.77	1403.77	0.00	1.10	5.E-05

P62906	NWQNVRALYIK	1399.78	1403.77	-3.99	-2849.78	5.E-05
Q99733	YAALYQPLFDK	1328.74	1327.68	1.06	796.16	5.E-05
Q99733	YAALYQPLFDK	1326.77	1327.68	-0.91	-684.38	5.E-05
Q9BQ39	SRYEQVDLVGK	1296.68	1292.67	4.01	3090.01	5.E-05
P62736	EITALAPSTMK	1179.61	1160.61	19.00	16105.30	5.E-05
P62736	EITALAPSTMK	1176.61	1160.61	16.00	13595.90	5.E-05
P62736	EITALAPSTMK	1176.59	1160.61	15.98	13583.10	5.E-05
P62736	EITALAPSTMK	1176.58	1160.61	15.97	13572.60	5.E-05
Q9NQZ2	PVPQVDEAETRVVK	1565.84	1565.84	0.00	0.46	5.E-05
Q5TAI8	LGLKEVKSK	1000.63	1000.63	0.00	0.34	6.E-05
P50914	MTDFDRFK	1074.49	1058.49	16.00	14887.00	6.E-05
P50914	MTDFDRFK	1071.63	1058.49	13.14	12265.80	6.E-05
P52799	FLPGQGLVLPQIGDK	1707.85	1743.96	-36.11	-21140.90	6.E-05
P52799	FLPGQGLVLPQIGDK	1707.81	1743.96	-36.15	-21169.00	6.E-05
P16401	ATGPPVSELITK	1211.65	1211.68	-0.03	-22.30	6.E-05

P16401	ATGPPVSELITK	1211.55	1211.68	-0.13	-110.54	6.E-05
Q6RFH5	(41)AAAAARWNHVVWGTETGILK	2192.15	2192.15	0.00	1.89	6.E-05
Q9BQ39	SRYEQVDLVGK	1292.67	1292.67	0.00	1.13	6.E-05
Q9BQ39	SRYEQVDLVGK	1292.64	1292.67	-0.03	-27.03	6.E-05
P02545	LESTESRSSFSQHARTSGRVAVEEVDEEGK	3306.57	3306.57	0.00	1.06	6.E-05
Q15459	EDSAPSKPVVGIYPPPEVRNIVDK	2725.48	2718.46	7.02	2577.17	6.E-05
O75400	EPAFEDITLESERK	1662.81	1662.81	0.00	0.88	6.E-05
Q59EM9	QLENGRTLSDYNIQK	1761.86	1777.90	-16.04	-9103.84	6.E-05
P20700	EELRELNDR LAVYIDK	1975.04	1975.04	0.00	1.06	7.E-05
P14136	VRFLEQQNK	1160.63	1160.63	0.00	2.50	7.E-05
P78346	(41)AVFADLDLRAGSDLK	1631.85	1631.85	0.00	0.57	7.E-05
Q96LN8	PSSLASNSAHRRSVGQASK	1837.91	1939.00	-101.09	-55002.00	7.E-05
Q99733	YAALYQPLFDK	1329.79	1327.68	2.11	1586.33	7.E-05
Q99733	YAALYQPLFDK	1328.83	1327.68	1.15	861.88	7.E-05
P16401	ATGPPVSELITK	1211.68	1211.68	0.00	0.80	7.E-05

Q14566	ATLNARTSILAAANPISGHYDRSK	2526.33	2526.33	0.00	0.10	7.E-05
P02545	LESTESRSSFSQHARTSGRVAVEEVDEEGK	3306.57	3306.57	0.00	0.85	7.E-05
Q9NVP1	NLQCLVIDEADRILDVGFEEELK	2731.38	2717.36	14.02	5133.29	8.E-05
P04083	GTDVNVFNTILTTRSYPQLRRVFQK	3108.60	2952.59	156.01	50185.50	8.E-05
Q5TAI8	LGLKEVKSK	1005.55	1000.63	4.92	4889.24	8.E-05
Q9NYF8	STSEFIQHIVSLVHHVK	2047.09	2047.09	0.00	0.96	8.E-05
P02545	LESTESRSSFSQHARTSGRVAVEEVDEEGK FVRLRNK	4152.10	4220.13	-68.03	-16384.10	8.E-05
P13645	VRALEESNYELEGK	1635.81	1635.81	0.00	2.82	8.E-05
P06748	MSVQPTVSLGGFEITPPVVLRLK	2467.39	2467.39	0.00	1.98	8.E-05
Q8TEP8	KDVLDFGDLTYGGWK	1712.85	1712.84	0.01	3.07	8.E-05
P16401	ATGPPVSELITK	1216.61	1211.68	4.93	4055.84	8.E-05
P16401	ATGPPVSELITK	1213.55	1211.68	1.87	1542.89	8.E-05
P16401	ATGPPVSELITK	1212.66	1211.68	0.98	805.49	8.E-05
P16401	ATGPPVSELITK	1211.68	1211.68	0.00	0.89	8.E-05
P02545	AGQVVTIWAAGAGATHSPPTDLVWK	2533.32	2532.31	1.01	396.85	8.E-05

Q6P1K2	LLDTMVDTLQK	1428.80	1422.74	6.06	4238.29	8.E-05
P08107	EIAEAYLGYPTNAVITVPAYFNDSQRQATK	3428.73	3428.73	0.00	-0.14	8.E-05
Q7Z3K9	AELQLPPPPPGHYGAWAAQELQAK	2665.37	2665.37	0.00	1.72	9.E-05
Q9H7L9	RQLQLQEGTLQEYQK	1991.90	1989.03	2.87	1442.12	9.E-05
O95678	QCSSLQTAIADAEQRGELALK	2218.88	2288.14	-69.26	-31215.10	9.E-05
P06396	RYIETDPANRDRRTPITVVK	2399.30	2399.30	0.00	0.62	9.E-05
Q5TAA0	ADLEEVVRVCPGFK	1691.90	1617.82	74.08	43784.00	9.E-05
Q03701	LYQHEINLFK	1308.75	1303.69	5.06	3865.40	9.E-05
P18621	GLDVDSLVIHQVNK	1783.97	1777.96	6.01	3371.20	9.E-05
P08758	PSRLYDAYELK	1353.69	1353.69	0.00	-0.03	9.E-05
P02545	LESTESRSSFSQHARTSGRVAVEEVDEEGK	3306.57	3306.57	0.00	0.03	9.E-05
P20700	EELRELNDR LAVYIDK	1975.05	1975.04	0.01	2.63	9.E-05
P40429	VFDGIPPPYDK	1247.65	1246.62	1.03	822.22	9.E-05
P40429	VFDGIPPPYDK	1246.66	1246.62	0.04	30.84	9.E-05
P40429	VFDGIPPPYDK	1246.62	1246.62	0.00	0.68	9.E-05

P40429	VFDGIPPPYDK	1246.60	1246.62	-0.02	-13.12	9.E-05
P40429	VFDGIPPPYDK	1246.59	1246.62	-0.03	-24.19	9.E-05
P40429	VFDGIPPPYDK	1246.58	1246.62	-0.04	-28.20	9.E-05
Q13838	(41)AENDVDNELLDYEDDEVETAAGGDGAEAPAKK	3391.48	3391.47	0.01	2.75	1.E-04
P02545	(44)ETPSQRRATRSGAQASSTPLSPTRITRLQEK	3598.86	3451.82	147.04	40855.90	1.E-04
Q13769	KTPNPANQYQFDK	1549.75	1549.75	0.00	0.65	1.E-04
Q13769	KTPNPANQYQFDK	1546.75	1549.75	-3.00	-1941.23	1.E-04
P16401	ATGPPVSELITK	1215.63	1211.68	3.95	3248.84	1.E-04
P16401	ATGPPVSELITK	1215.63	1211.68	3.95	3248.92	1.E-04
P16401	ATGPPVSELITK	1211.68	1211.68	0.00	0.64	1.E-04
P16401	ATGPPVSELITK	1211.65	1211.68	-0.03	-21.81	1.E-04
P16401	ATGPPVSELITK	1211.55	1211.68	-0.13	-110.54	1.E-04
Q03164	TNLDLGPTAPSLEK	1454.76	1454.76	0.00	0.38	1.E-04
P60709	(42)DDDIAALVVDNGSGMCK	1837.79	1820.79	17.00	9250.09	1.E-04
P60709	(42)DDDIAALVVDNGSGMCK	1834.81	1820.79	14.02	7640.80	1.E-04

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