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Supplementary Material

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3 **Combining *in silico* and *in vitro* approaches to identify endogenous**
4 **hypoglycemic peptides from human milk**

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17 **Figure captions**

18 **Fig. 1S. Total ion chromatography and MS/MS chromatograms of PVTQPL**
19 **standard in positive ESI mode.**

20

21 **Fig. 2S. Establishment and validation of the *in vitro* uptake model of Caco-2 cells.**

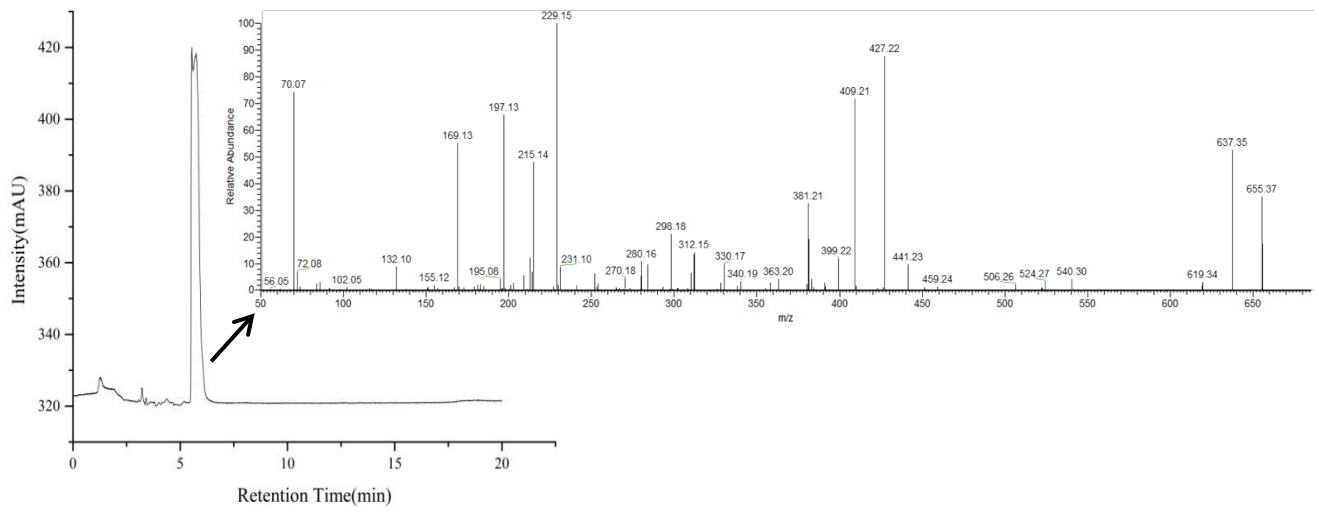
22 (A) Determination of monolayer cell integrity by the TEER value. (B) Validation of
23 cell differentiation characteristics by the ALP activity ratio in AP and BL.

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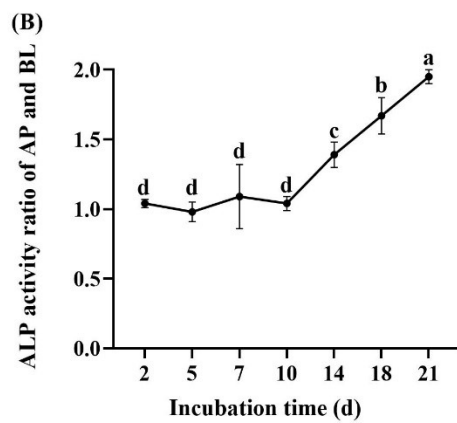
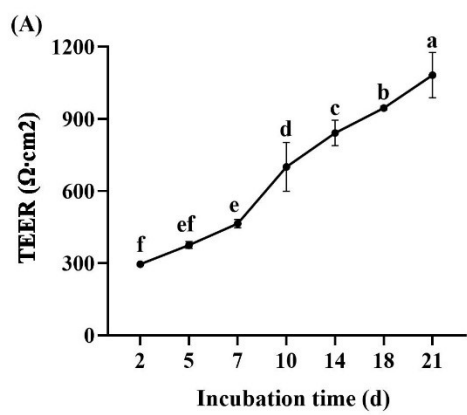
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Fig. 1S



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Fig. 2S

Table S1. List of 762 endogenous peptides obtained from the published peptidomics of human milk

Sequence	Protein names	Molecular weight (kDa)	Ref.	Peptide Ranker score
AAHLPAEFTPAVHASLDKFLASVSTVL	HBA_HUMAN	2.80	17	0.087
ADGSRASVDSGSSEEQGGSSR	PIGR_HUMAN	2.03	17	0.493
ADTLHSKLIPTQPSQGAP	BT1A1_HUMAN	1.87	17, 18	0.164
ADTRDQADGSRASVDSGSSEEQGGSSRA	PIGR_HUMAN	2.79	16	0.327
AEEKAVADTRDQADGSR	PIGR_HUMAN	1.82	23	0.079
AEEKAVADTRDQADGSRASVDSGSSEEQGGSS	PIGR_HUMAN	3.19	16	0.097
AIPVAQDLNAPSDWDSRGKDS	OSTP_HUMAN	2.25	17	0.213
AIPVAQDLNAPSDWDSRGKDSYETSQLDDQSAETHSHKQSRL	OSTP_HUMAN	4.69	16	0.248
AIPVAQDLNAPSDWDSRGKDSYETSQLDDQSAETHSHKQSRLY	OSTP_HUMAN	4.85	16, 17	0.289
AIQDPRLF	PIGR_HUMAN	0.96	21	0.835
AIQDPRLFAEEKAVADTR	PIGR_HUMAN	2.04	16, 17	0.393

AIQDPRLFAEEKAVADTRDQADGS	PIGR_HUMAN	2.61	16, 17, 18	0.194
AIQDPRLFAEEKAVADTRDQADGSR	PIGR_HUMAN	2.76	16, 17, 18	0.305
AIQDPRLFAEEKAVADTRDQADGSRASVDSGSSEEQGGSSRA	PIGR_HUMAN	4.36	17, 18	0.077
AIQDPRLFAEEKAVADTRDQADGSRASVDSGSSEEQGGSSRALVSTLVPLG	PIGR_HUMAN	5.24	17	0.275
AKDTVYTKGR	CASB_HUMAN	1.14	17	0.192
AKDTVYTKGRVMPVLKSPTIPFFDPQIPK	CASB_HUMAN	3.28	16, 17	0.064
AKLGAVYTEGGFVEGVNKKLGLLGDSVDIFK	CEL_HUMAN	3.23	17	0.049
ALLNQELLLNPTHQ	CASB_HUMAN	1.72	17	0.192
ALLNQELLLNPTHQIYPVTQ	CASB_HUMAN	2.42	17	0.057
ALLNQELLLNPTHQIYPVTQPLAPVHNPISV	CASB_HUMAN	3.55	17, 22	0.132
ALPIQKLEPQIA	PLIN2_HUMAN	1.44	17, 18	0.269
ALPPQPLWSVPQPK	CASB_HUMAN	1.56	22	0.792
ALPPQPLWSVPQPKVLPQPQVVPYPQ	CASB_HUMAN	3.02	17, 18	0.211
ALPPQPLWSVPQPKVLPQPQVVPYPQRAVPVQA	CASB_HUMAN	3.74	16, 17, 18	0.165

APRDADTLHSKLIPTQPSQGAP	BT1A1_HUMAN	2.31	17, 18	0.224
APVHNPISV	CASB_HUMAN	0.94	19	0.366
AQPAVVLPVPQPE	CASB_HUMAN	1.35	17, 18	0.270
AQPAVVLPVPQPEIM	CASB_HUMAN	1.59	17, 18	0.474
AQPAVVLPVPQPEIMEVPK	CASB_HUMAN	2.05	16, 17	0.414
AQPAVVLPVPQPEIMEVPKAK	CASB_HUMAN	2.25	17	0.099
AQPAVVLPVPQPEIMEVPKAKDTV	CASB_HUMAN	2.56	17	0.047
AQPAVVLPVPQPEIMEVPKAKDTVY	CASB_HUMAN	2.73	16, 17, 18	0.063
AQPAVVLPVPQPEIMEVPKAKDTVYIT	CASB_HUMAN	2.83	16, 17, 18	0.051
AQPAVVLPVPQPEIMEVPKAKDTVYTK	CASB_HUMAN	2.95	17, 18	0.054
AQPAVVLPVPQPEIMEVPKAKDTVYTKG	CASB_HUMAN	3.01	17	0.053
AQPAVVLPVPQPEIMEVPKAKDTVYTKGR	CASB_HUMAN	3.17	17, 18	0.102
ASKLGGIPDALPTVAAPRPVCQRCGQPL	PDD2L_HUMAN	2.82	17	0.746
ASQLMGENRTMTIHNGMFFST	FBC_HUMAN	2.38	19	0.018

ASVAVDPQPSVVT	PLIN2_HUMAN	1.27	16	0.180
ASVAVDPQPSVVTR	PLIN2_HUMAN	1.43	16	0.214
ASVAVDPQPSVVTRVVNLPLVS	PLIN2_HUMAN	2.25	16	0.078
ASVDSGSSEEQGGSSRALVSTLVPLG	PIGR_HUMAN	2.50	17, 18	0.756
ATSSLCSVTNTSMMTSE	ASSG_HUMAN	1.75	19	0.162
AVADTRDQADG	PIGR_HUMAN	1.12	17	0.094
AVADTRDQADGS	PIGR_HUMAN	1.21	17, 18	0.071
AVADTRDQADGSRASVDSG	PIGR_HUMAN	1.88	16, 23	0.082
AVADTRDQADGSRASVDSGSSEEQGGSS	PIGR_HUMAN	2.73	16, 17, 18, 23	0.204
AVADTRDQADGSRASVDSGSSEEQGGSSR	PIGR_HUMAN	2.89	17, 23	0.188
AVADTRDQADGSRASVDSGSSEEQGGSSRA	PIGR_HUMAN	2.96	16, 17, 18, 23	0.163
AVADTRDQADGSRASVDSGSSEEQGGSSRAL	PIGR_HUMAN	3.07	16	0.172
AVADTRDQADGSRASVDSGSSEEQGGSSRALV	PIGR_HUMAN	3.17	16	0.127
AVADTRDQADGSRASVDSGSSEEQGGSSRALVST	PIGR_HUMAN	3.36	16, 17, 18, 23	0.105

AVADTRDQADGSRASVDSGSSEEQGGSSRALVSTL	PIGR_HUMAN	3.47	16, 17	0.111
AVADTRDQADGSRASVDSGSSEEQGGSSRALVSTLV	PIGR_HUMAN	3.57	17, 18	0.120
AVADTRDQADGSRASVDSGSSEEQGGSSRALVSTLVP	PIGR_HUMAN	3.67	16, 17, 18	0.208
AVADTRDQADGSRASVDSGSSEEQGGSSRALVSTLVPL	PIGR_HUMAN	3.78	17, 18	0.446
AVADTRDQADGSRASVDSGSSEEQGGSSRALVSTLVPLG	PIGR_HUMAN	3.84	17, 18	0.400
AVADTRDQADGSRASVDSGSSEEQGGSSRALVSTLVPLGLV	PIGR_HUMAN	4.05	17, 18	0.469
AVPVQALLLNQ	CASB_HUMAN	1.17	19	0.238
AVPVQALLLNQEL	CASB_HUMAN	1.41	16, 17	0.304
AVPVQALLLNQELLLNPTHQIYPVTQPLAPVHNPIS	CASB_HUMAN	3.94	16, 17	0.239
AVPVQALLLNQELLLNPTHQIYPVTQPLAPVHNPISV	CASB_HUMAN	4.04	16, 17, 18	0.167
AVVLPVPQPEIMEVPKAKDTVYT	CASB_HUMAN	2.53	17, 18, 19	0.052
CGLKVACVSAAVSDESVAGDSG	KIBRA_HUMAN	2.03	18	0.641
DAAPDEKVLDSGFREIENK	PIGR_HUMAN	2.14	17, 18	0.304
DADTLHSKLIPTQPSQGAP	BT1A1_HUMAN	1.98	17, 18, 23	0.190

DATDEDITSH	OSTP_HUMAN	1.11	17	0.079
DATDEDITSHM	OSTP_HUMAN	1.24	17	0.136
DDPDAPLQPVTPLQL	CO4A_HUMAN	1.62	17	0.572
DDPDAPLQPVTPLQLFEG	CO4A_HUMAN	1.96	17, 18	0.589
DDPDAPLQPVTPLQLFEGR	CO4B_HUMAN	2.11	16, 17, 18	0.665
DDPDAPLQPVTPLQLFEGRRN	CO4B_HUMAN	2.38	16, 17, 18, 19	0.860
DDQSAETHSHKQSRLY	OSTP_HUMAN	1.91	24	0.208
DEDITSHMESEELNGAY	OSTP_HUMAN	1.94	24	0.104
DEDITSHMESEELNGAYK	OSTP_HUMAN	2.07	24	0.093
DESNEHSDVIDSQELS	OSTP_HUMAN	1.80	24	0.059
DESNEHSDVIDSQELSKVS	OSTP_HUMAN	2.12	16	0.071
DGREQEAEQMPEY	BT1A1_HUMAN	1.58	16, 17	0.117
DGREQEAEQMPEYR	BT1A1_HUMAN	1.74	16, 17, 23	0.156
DGREQEAEQMPEYRG	BT1A1_HUMAN	1.80	16, 17, 18, 23	0.232

DGSRASVDSGSSEEQGGSSRA	PIGR_HUMAN	2.03	17, 23	0.664
DGSRASVDSGSSEEQGGSSRALVST	PIGR_HUMAN	2.43	16	0.362
DIQYPDATD	OSTP_HUMAN	1.04	17	0.147
DIQYPDATDEDIT	OSTP_HUMAN	1.50	17, 18	0.116
DIQYPDATDEDITSH	OSTP_HUMAN	1.72	16, 17, 18, 24	0.099
DIQYPDATDEDITSHM	OSTP_HUMAN	1.85	24	0.148
DIQYPDATDEDITSHMESEELNGAY	OSTP_HUMAN	2.84	16	0.304
DIQYPDATDEDITSHMESEELNGAYK	OSTP_HUMAN	2.97	17, 18, 24	0.328
DITPLMAAANGGHVKI	ANR17_HUMAN	1.61	17	0.378
DITSHMESEELNGAY	OSTP_HUMAN	1.70	24	0.090
DITSHMESEELNGAYK	OSTP_HUMAN	1.82	24	0.087
DLEKLGKSPPPPPPP	SKT_HUMAN	1.72	17, 18	0.655
DLENLH	CASB_HUMAN	0.74	19	0.146
DLENLHLPL	CASB_HUMAN	1.06	19	0.414

DLENLHLPLP	CASB_HUMAN	1.16	16, 17, 22	0.446
DLENLHLPLPLL	CASB_HUMAN	1.39	20	0.740
DLENLHLPLPLLQPLM	CASB_HUMAN	1.86	19	0.805
DLLVEILMRPTIS	TP4AP_HUMAN	1.50	17	0.179
DNNLTEAQRFSLLP	B4DPT7_HUMAN	1.59	17	0.227
DPDAPLQPVTPLQL	CO4B_HUMAN	1.50	16, 17, 18, 19	0.554
DPDAPLQPVTPLQLFEGRRN	CO4B_HUMAN	2.26	16	0.641
DPQIPKLTDLLE	CASB_HUMAN	1.27	17, 18	0.263
DPQIPKLTDLLENL	CASB_HUMAN	1.50	16, 17, 18	0.387
DPQIPKLTDLLENLH	CASB_HUMAN	1.63	16, 17, 18	0.335
DPQIPKLTDLLENLHLP	CASB_HUMAN	1.84	16, 17, 18	0.544
DPQIPKLTDLLENLHLPLP	CASB_HUMAN	2.05	17, 18	0.693
DPSKPSSNVAGVVI	MRC1_HUMAN	1.37	17, 18	0.335
DPSKPSSNVAGVVII	MRC1_HUMAN	1.48	17, 18	0.340

DPSKPSSNVAGVVIIV	MRC1_HUMAN	1.58	17, 18	0.399
DPSKPSSNVAGVVIIVI	MRC1_HUMAN	1.70	17, 18	0.447
DQADGSRASVDSGSSEEQGG	PIGR_HUMAN	1.94	17	0.164
DQADGSRASVDSGSSEEQGGSS	PIGR_HUMAN	2.11	17	0.346
DQADGSRASVDSGSSEEQGGSSR	PIGR_HUMAN	2.27	17, 18, 23	0.334
DQADGSRASVDSGSSEEQGGSSRA	PIGR_HUMAN	2.34	16, 17, 18, 23	0.299
DQADGSRASVDSGSSEEQGGSSRAL	PIGR_HUMAN	2.45	16	0.302
DQADGSRASVDSGSSEEQGGSSRALVS	PIGR_HUMAN	2.64	16	0.174
DQADGSRASVDSGSSEEQGGSSRALVST	PIGR_HUMAN	2.74	16, 17, 18, 23	0.164
DQADGSRASVDSGSSEEQGGSSRALVSTL	PIGR_HUMAN	2.85	16, 17, 18	0.182
DQADGSRASVDSGSSEEQGGSSRALVSTLV	PIGR_HUMAN	2.95	16, 17, 18	0.192
DQADGSRASVDSGSSEEQGGSSRALVSTLVP	PIGR_HUMAN	3.05	17, 18	0.334
DQADGSRASVDSGSSEEQGGSSRALVSTLVPL	PIGR_HUMAN	3.16	16, 17	0.626
DQADGSRASVDSGSSEEQGGSSRALVSTLVPLG	PIGR_HUMAN	3.22	16, 17, 18	0.618

DQSAETHSHKQSRLY	OSTP_HUMAN	1.79	24	0.190
DQTVSDNELQEMSNQGSKYVNKEIQNAVNGVKQIK	CLUS_HUMAN	3.94	17, 18	0.580
DRSPYEKVSAGNGGSSLSY	MUC1_HUMAN	1.97	17	0.330
DSEHKRKKVEAQLQELQVKFNEGERVRTELADKVTKLQVELDNVTGLLS	MYH9_HUMAN	5.65	17	0.033
DSGEGDFLAEGGGVR	FIBA_HUMAN	1.47	16, 17, 23	0.604
DSGSSEEKQLYNKYPDAVAT	SP-1_HUMAN	2.20	19	0.178
DSGSSEEQGGSSRA	PIGR_HUMAN	1.35	17, 18	0.184
DSGSSEEQGGSSRAL	PIGR_HUMAN	1.47	17, 18	0.310
DSGSSEEQGGSSRALV	PIGR_HUMAN	1.57	16	0.299
DSGSSEEQGGSSRALVST	PIGR_HUMAN	1.75	23	0.291
DSGSSEEQGGSSRALVSTLVP	PIGR_HUMAN	2.06	16, 18	0.677
DSGSSEEQGGSSRALVSTLVPL	PIGR_HUMAN	2.18	17, 18, 21	0.835
DSGSSEEQGGSSRALVSTLVPLG	PIGR_HUMAN	2.23	16, 17, 18, 21	0.870
DTRDQADGSRASVDSGSSEEQGGSS	PIGR_HUMAN	2.49	16	0.375

DTRDQADGSRASVDSGSSEEQGGSSRA	PIGR_HUMAN	2.71	16, 17, 23	0.296
DTVYTKGRVMPVL	CASB_HUMAN	1.48	17	0.192
DTVYTKGRVMPVLK	CASB_HUMAN	1.61	17	0.169
DTVYTKGRVMPVLKSPTIPFFDPQIPK	CASB_HUMAN	3.08	17, 18	0.064
DWDSRGKDSYETSQLDDQSAETHSHKQSRLY	OSTP_HUMAN	3.67	24	0.613
DWGSDTEEGPSPQFTLDFGNDA	PDD2L_HUMAN	2.39	17	0.357
EDITSHME	OSTP_HUMAN	0.96	17	0.114
EDITSHMESEELNGAYK	OSTP_HUMAN	1.95	17, 24	0.077
EDITSHMESEELNGAYKAIPVAQD	OSTP_HUMAN	2.65	17	0.224
EDLIDEDDIPVRSFFP	C4AV_HUMAN	1.91	19	0.316
EEDKHLKFRIS	OSTP_HUMAN	1.40	24	0.255
EEKAVADTRDQADGSR	PIGR_HUMAN	1.75	17	0.076
EEKAVADTRDQADGSRASVDSGSSEEQGGSSRA	PIGR_HUMAN	3.34	16	0.048
EFCLKHRSCPPGFGVVQAGTPERNTVCKR	TR11B_HUMAN	3.22	16	0.628

EGDFLAEGGGVR	FIBA_HUMAN	1.21	17	0.543
EGGFVEGVNK	CEL_HUMAN	1.04	17	0.155
EGGFVEGVNKK	BSAL_HUMAN	1.16	23	0.195
EHESEGGRTPL	ANR17_HUMAN	1.21	17	0.148
EIPLSPMGEDSAPRDADTLH	BT1A1_HUMAN	2.15	17, 18	0.257
EISIPASSLPRLTP	BT1A1_HUMAN	1.48	17, 18	0.432
EKAVADTRDQADG	PIGR_HUMAN	1.38	17	0.093
EKQTDEIKDTR	CASA1_HUMAN	1.36	23	0.073
EKVKHEDQQQGEDEHQDK	CASB_HUMAN	2.21	23	0.036
ELLLNPTHQIYPVTQPLAPVHNPIS	CASB_HUMAN	2.79	16, 17, 18	0.148
ELLLNPTHQIYPVTQPLAPVHNPISV	CASB_HUMAN	2.89	16, 17, 18, 22	0.120
ELQLGHHQRGAG	Q9H273_HUMAN	1.30	18	0.264
ENLHLPLPLL	CASB_HUMAN	1.16	22	0.687
ENLHLPLPLLQ	CASB_HUMAN	1.29	16, 17	0.457

ENLHLPLPLLQPLM	CASB_HUMAN	1.63	22	0.767
ESEELNGAYK	OSTP_HUMAN	1.14	17	0.124
ESIRETEVIDPQDLLEGR	SDC4_HUMAN	2.10	17, 18	0.078
ESLSSSEESITEYK	CASB_HUMAN	1.59	16, 17, 18, 23	0.081
ESLSSSEESITEYKQKVEK	CASB_HUMAN	2.20	16	0.064
ESREEYMNGMNR	CASA1_HUMAN	1.52	17	0.309
ETIESLSSSEE	CASB_HUMAN	1.21	17, 18	0.036
ETIESLSSSEESITE	CASB_HUMAN	1.64	17, 18	0.049
ETIESLSSSEESITEY	CASB_HUMAN	1.80	17, 18	0.048
ETIESLSSSEESITEYK	CASB_HUMAN	1.93	16, 17, 18, 23	0.053
ETIESLSSSEESITEYKQ	CASB_HUMAN	2.06	16	0.048
ETIESLSSSEESITEYKQK	CASB_HUMAN	2.19	16, 17, 18, 23	0.050
ETIESLSSSEESITEYKQKVE	CASB_HUMAN	2.42	16, 17, 18	0.072
ETIESLSSSEESITEYKQKVEK	CASB_HUMAN	2.55	16, 17, 18, 23	0.070

ETIESLSSEESITEYKQKVEKVKHEDQQQGEDE	CASB_HUMAN	3.97	17	0.016
ETSQLDDQSAETHSHKQSRLY	OSTP_HUMAN	2.46	24	0.497
EVPKAKDTVYTK	CASB_HUMAN	1.38	23	0.118
EYFARQISSFCSIDCTTILQLHEI	UBR4_HUMAN	2.82	17	0.193
FAEEKAVADTRDQADGSRASVDSGSSEEQGGSS	PIGR_HUMAN	3.33	16	0.096
FAEEKAVADTRDQADGSRASVDSGSSEEQGGSSRA	PIGR_HUMAN	3.56	16, 17, 18	0.070
FAEEKAVADTRDQADGSRASVDSGSSEEQGGSSRALVST	PIGR_HUMAN	3.96	16, 17, 18	0.042
FAEEKAVADTRDQADGSRASVDSGSSEEQGGSSRALVSTL	PIGR_HUMAN	4.07	16	0.047
FAEEKAVADTRDQADGSRASVDSGSSEEQGGSSRALVSTLVPLG	PIGR_HUMAN	4.44	17, 18	0.242
FDPQIPKL	CASB_HUMAN	0.96	21	0.837
FDPQIPKLTDL	CASB_HUMAN	1.42	17, 18	0.432
FDPQIPKLTDLNL	CASB_HUMAN	1.64	17	0.561
FDPQIPKLTDLNL	CASB_HUMAN	1.64	20	0.561
FDPQIPKLTDLNLHLP	CASB_HUMAN	1.99	16	0.679

FQPQPLIYPFVEPIPYG	CASB_HUMAN	2.01	22	0.718
FRISHELDSASSEVN	OSTP_HUMAN	1.69	16, 17, 18, 24	0.105
FRPDSPGSGNARPNPDWGTFFEEVSGNVSPGTR	FIBA_HUMAN	3.50	17	0.344
FRRPDIQYPDATD	OSTP_HUMAN	1.59	24	0.166
FRRPDIQYPDATDEDITSHMESEELNGAY	OSTP_HUMAN	3.40	24	0.115
FRRPDIQYPDATDEDITSHMESEELNGAYK	OSTP_HUMAN	3.53	16, 17, 18	0.115
FRRPDIQYPDATDEDITSHMESEELNGAYKAIPVAQDLNAPSD	OSTP_HUMAN	4.82	17	0.055
FVEPIPYGFLPQNILP	CASB_HUMAN	1.84	19	0.756
GAGPGAGGAGGAGAGAGDPQLVAMIVNHL	BD1L1_HUMAN	2.44	18	0.401
GAYKAIPVAQDLNAPSD	OSTP_HUMAN	1.73	17, 24	0.211
GFLPQNILPLAQPA	CASB_HUMAN	1.48	17	0.531
GFLPQNILPLAQPAV	CASB_HUMAN	1.58	17	0.512
GFLPQNILPLAQPAVVLPVPQPEIMEVPK	CASB_HUMAN	3.14	17, 18	0.392
GFLPQNILPLAQPAVVLPVPQPEIMEVPKAKDTVYT	CASB_HUMAN	3.92	16, 17, 18	0.241

GFLPQNILPLAQPAVVLVPVQPEIMEVPAKADTVVYTKG	CASB_HUMAN	4.10	17	0.241
GGQLELRALSHILQTPIEIIQADSPPIIVG	OTU6B_HUMAN	3.18	17, 18	0.120
GIPFAAPTKALENPQPHPGWQGTL	CEL_HUMAN	2.53	16, 17, 18	0.324
GIPFAAPTKALENPQPHPGWQGTLK	CEL_HUMAN	2.66	17, 18	0.289
GKDSYETSQLDDQSAETHSHKQSRLY	OSTP_HUMAN	3.01	24	0.458
GPKGAKGNQGAAPIQNQQAWQQPGN	CI169_HUMAN	2.55	18	0.283
GREQEAEQMPEYR	BT1A1_HUMAN	1.62	17	0.168
GRVMPVLKSPTIP	CASB_HUMAN	1.39	17, 22	0.332
GRVMPVLKSPTIPF	CASB_HUMAN	1.54	16, 17	0.562
GRVMPVLKSPTIPFFD	CASB_HUMAN	1.80	16, 17	0.550
GRVMPVLKSPTIPFFDP	CASB_HUMAN	1.90	17, 18	0.560
GRVMPVLKSPTIPFFDPQIP	CASB_HUMAN	2.24	16, 17, 18	0.470
GRVMPVLKSPTIPFFDPQIPK	CASB_HUMAN	2.37	16, 17, 18, 19	0.145
GRVMPVLKSPTIPFFDPQIPKL	CASB_HUMAN	2.48	17	0.091

GRVMPVLKSPTIPFFDPQIPKLT	CASB_HUMAN	2.70	16, 17, 18	0.098
GRVMPVLKSPTIPFFDPQIPKLTDL	CASB_HUMAN	2.81	17	0.079
GRVMPVLKSPTIPFFDPQIPKLTDLN	CASB_HUMAN	3.05	17, 18	0.065
GRVMPVLKSPTIPFFDPQIPKLTDLNL	CASB_HUMAN	3.17	17	0.065
GRVMPVLKSPTIPFFDPQIPKLTDLNLHLP	CASB_HUMAN	3.51	17	0.046
GRVMPVLKSPTIPFFDPQIPKLTDLNLHLPLP	CASB_HUMAN	3.72	17	0.038
GYVKPQIKQVVPEFVNASADAGGSSATYMDQAPSPAVCPQAP	STA5A_HUMAN	4.28	17	0.114
HCVETGSQEASAIYFTSGTSGLPKMAE	A8K051_HUMAN	2.80	17, 18	0.025
HEDQQQGEDEHQDK	CASB_HUMAN	1.72	17	0.050
HLKVAALGSDPHISMQVQENGEICLECTSVGWYPEPQV	BT1A1_HUMAN	4.17	16	0.017
HLPLLLQPLM	CASB_HUMAN	1.27	17	0.813
HLPLLLQPLMQQVPQPIPQT	CASB_HUMAN	2.39	17, 18, 19	0.445
HNPISV	CASB_HUMAN	0.67	17	0.172
HQIYPVTQPLAPVH	CASB_HUMAN	1.60	22	0.212

HQIYPVTQPLAPVHNPISV	CASB_HUMAN	2.11	16, 17, 18, 22	0.292
HSHEFHSHEDMLVVDPK	OSTP_HUMAN	2.04	16, 24	0.173
HSHEFHSHEDMLVVDPKSKEEDKHL	OSTP_HUMAN	3.01	16	0.116
IESLSSSEESITEYK	CASB_HUMAN	1.70	17, 18, 23	0.079
IKLVKKEPMK	S38A2_HUMAN	1.21	17	0.155
ILPLAQPAVVLPVPQPEIMEVPK	CASB_HUMAN	2.48	16, 17, 18, 22	0.104
IPFFDPQIPK	CASB_HUMAN	1.20	17, 18	0.734
IPFFDPQIPKL	CASB_HUMAN	1.31	17	0.845
IPFFDPQIPKLTDLN	CASB_HUMAN	1.89	19	0.511
IPFFDPQIPKLTDLN	CASB_HUMAN	1.89	20	0.511
IPLSPMGEDSAPR	BT1A1_HUMAN	1.37	17, 18	0.249
IPLSPMGEDSAPRDADTLH	BT1A1_HUMAN	2.02	17	0.244
IPQQVVPYPQRAVPVQ	CASB_HUMAN	1.82	16	0.240
IPQQVVPYPQRAVPVQA	CASB_HUMAN	1.89	16, 17	0.205

IPQRQYLPNSHPP	CASK_HUMAN	1.55	16	0.409
IPQRQYLPNSHPPT	CASK_HUMAN	1.65	16	0.389
IPQRQYLPNSHPPTV	CASK_HUMAN	1.75	16	0.411
IPQRQYLPNSHPPTVV	CASK_HUMAN	1.85	16	0.377
IPVAQDLNAPS	OSTP_HUMAN	1.12	16, 24	0.219
IPVAQDLNAPSD	OSTP_HUMAN	1.24	17, 24	0.154
IPVKQADSGSSEEKQLYNKYPDAVAT	OSTP_HUMAN	2.84	16, 24	0.146
IPVKQADSGSSEEKQLYNKYPDAVATWLNPDPSQK	OSTP_HUMAN	3.91	16, 17	0.271
IPVKQADSGSSEEKQLYNKYPDAVATWLNPDPSQKQN	OSTP_HUMAN	4.15	16, 17	0.263
IQYPDATDEDITSH	OSTP_HUMAN	1.60	24	0.103
IQYPDATDEDITSHMESEELNGAYK	OSTP_HUMAN	2.86	24	0.243
ISHELDSASSEVN	OSTP_HUMAN	1.39	16, 24	0.100
IYPFVEPIPYGFLPQN	CASB_HUMAN	1.89	20	0.641
IYPSFQPQLIYPFVEPIPYGFLPQNILPLAQPAVVLPVPQPEIMEVPK	CASB_HUMAN	5.53	17	0.033

IYPVTQPLAPVHNP	CASB_HUMAN	1.55	22	0.217
IYPVTQPLAPVHNPISV	CASB_HUMAN	1.85	16, 17, 18, 22	0.292
KANDESNEHSDVIDSQELSKVS	OSTP_HUMAN	2.43	24	0.064
KDTVYTKGR	CASB_HUMAN	1.07	17	0.167
KEIPLSPMGEDSAPRDADTLH	BT1A1_HUMAN	2.28	16, 17	0.228
KEIPLSPMGEDSAPRDADTLHSKLIPTQ	BT1A1_HUMAN	3.05	17, 18	0.136
KEIPLSPMGEDSAPRDADTLHSKLIPTQPSQGAP	BT1A1_HUMAN	3.59	17, 18	0.089
KEISPLLSMEAMAFVTEERK	TP4AP_HUMAN	2.31	17	0.368
KFRRPDIQYPDATD	OSTP_HUMAN	1.72	24	0.140
KFRRPDIQYPDATDEDITSHMESEELNGAY	OSTP_HUMAN	3.53	24	0.077
KFRRPDIQYPDATDEDITSHMESEELNGAYK	OSTP_HUMAN	3.66	16, 17, 18	0.071
KKEPAESSFRFWQARAVESFLRGTTSYADQMFL	TP4AP_HUMAN	3.89	17	0.113
KKSLVEREHLNQVL	PAPP2_HUMAN	1.69	17	0.203
KLIPTQPSQGAP	BT1A1_HUMAN	1.24	17, 18	0.208

KNVLQGQHEADKI	PTPRR_HUMAN	1.48	17	0.092
KPLILVYMRHAYGLGEHYNSVTRLV	OTU6B_HUMAN	2.93	17	0.103
KSPTIPFFDPQIPKLTLD	CASB_HUMAN	1.94	22	0.438
KSVVPGGGAVEAALSIYLENYATS	TCPA_HUMAN	2.40	18	0.199
KTIVKLQNTSRI	SUCO_HUMAN	1.40	17	0.073
KVEKVKHEDQQQGEDEHQDK	CASB_HUMAN	2.44	23	0.038
KVLPIPQQVVPYPQR	CASB_HUMAN	1.76	22	0.365
LALPPQPLWSVPQPK	CASB_HUMAN	1.67	16	0.680
LAPVHNPISV	CASB_HUMAN	1.05	16, 22	0.271
LAQPAVVLPVPQPEIMEVPK	CASB_HUMAN	2.16	16, 17, 18, 19	0.360
LAQPAVVLPVPQPEIMEVPKA	CASB_HUMAN	2.23	17, 18, 22	0.106
LAQPAVVLPVPQPEIMEVPKAKDT	CASB_HUMAN	2.57	17, 18	0.080
LAQPAVVLPVPQPEIMEVPKAKDTVYT	CASB_HUMAN	2.94	16, 17, 18	0.051
LAQPAVVLPVPQPEIMEVPKAKDTVYTK	CASB_HUMAN	3.06	16, 17, 18	0.054

LAQPAVVLVPVPQPEIMEVPKAKDTVYTKG	CASB_HUMAN	3.12	16, 17, 18	0.053
LAQPAVVLVPVPQPEIMEVPKAKDTVYTKGR	CASB_HUMAN	3.28	17, 18	0.098
LENFLRSLNSSEPLFLGQTGLGT	CHSS1_HUMAN	2.49	17	0.079
LENLHLPLPLLQ	CASB_HUMAN	1.40	22	0.460
LFAEEKAVADTRDQA	PIGR_HUMAN	1.66	16	0.102
LFAEEKAVADTRDQADGSR	PIGR_HUMAN	2.08	16, 17, 18	0.094
LFAEEKAVADTRDQADGSRASVDSGSSEEQGGSSRA	PIGR_HUMAN	3.67	16, 17, 18	0.068
LFAEEKAVADTRDQADGSRASVDSGSSEEQGGSSRALVSTLV	PIGR_HUMAN	4.29	17, 18	0.073
LFAEEKAVADTRDQADGSRASVDSGSSEEQGGSSRALVSTLVP	PIGR_HUMAN	4.38	16, 17	0.123
LGAVYTEGGFVEGVNKKLGLLGDSVDIFK	CEL_HUMAN	3.03	17	0.071
LGSAMQNTQNLLQMPY	A2M_HUMAN	1.81	19	0.264
LHLPLPLL	CASB_HUMAN	0.92	22	0.781
LHLPLPLLQ	CASB_HUMAN	1.04	22	0.550
LKSPTIPFFDPQIPKLTDLLEN	CASB_HUMAN	2.41	19	0.089

LLLNPTHQIYPVTQPLAPVHNPIS	CASB_HUMAN	2.66	17, 18	0.230
LLLNPTHQIYPVTQPLAPVHNPISV	CASB_HUMAN	2.76	16, 17, 18, 22	0.171
LLLNQEALLNPTHQ	CASB_HUMAN	1.65	22	0.134
LLLNQEALLNPTHQIYPV	CASB_HUMAN	2.12	19	0.223
LLLNQEALLNPTHQIYPVTQ	CASB_HUMAN	2.35	17	0.123
LLLNQEALLNPTHQIYPVTQPLAP	CASB_HUMAN	2.73	19	0.174
LLLNQEALLNPTHQIYPVTQPLAPVHNP	CASB_HUMAN	3.17	22	0.207
LLLNQEALLNPTHQIYPVTQPLAPVHNPIS	CASB_HUMAN	3.37	17	0.158
LLLNQEALLNPTHQIYPVTQPLAPVHNPISV	CASB_HUMAN	3.47	16, 17, 18, 22	0.120
LLNPTHQIYP	CASB_HUMAN	1.20	17	0.208
LLNPTHQIYPVT	CASB_HUMAN	1.40	19	0.165
LLNPTHQIYPVTQ	CASB_HUMAN	1.52	17	0.106
LLNPTHQIYPVTQPLA	CASB_HUMAN	1.81	17	0.148
LLNPTHQIYPVTQPLAPVHNP	CASB_HUMAN	2.35	17	0.120

LLNPETHQIYPVTQPLAPVHNPI	CASB_HUMAN	2.46	17	0.161
LLNPETHQIYPVTQPLAPVHNPI	CASB_HUMAN	2.55	16, 17, 18	0.157
LLNPETHQIYPVTQPLAPVHNPI	CASB_HUMAN	2.65	16, 17, 18, 23	0.124
LLNQELLLNPETHQ	CASB_HUMAN	1.53	17, 18, 22	0.126
LLNQELLLNPETHQIY	CASB_HUMAN	1.81	17	0.164
LLNQELLLNPETHQIYPV	CASB_HUMAN	2.01	27	0.212
LLNQELLLNPETHQIYPVTQ	CASB_HUMAN	2.24	17	0.118
LLNQELLLNPETHQIYPVTQPLAP	CASB_HUMAN	2.61	17	0.095
LLNQELLLNPETHQIYPVTQPLAPVHNPI	CASB_HUMAN	3.26	16, 17, 18	0.124
LLNQELLLNPETHQIYPVTQPLAPVHNPI	CASB_HUMAN	3.36	16, 17, 18, 22	0.082
LLQPLMQQVPQPIPQT	CASB_HUMAN	1.83	16, 17, 18	0.267
LLQPLMQQVPQPIPQTL	CASB_HUMAN	1.95	16	0.387
LLQPLMQQVPQPIPQTLALPPQP	CASB_HUMAN	2.55	16, 17, 18, 19	0.376
LLQPLMQQVPQPIPQTLALPPQPLWSVPQPK	CASB_HUMAN	3.49	17	0.210

LMQQVPQPIPQT	CASB_HUMAN	1.38	16, 18	0.275
LMQQVPQPIPQTLALPPQP	CASB_HUMAN	2.10	17, 18	0.384
LMQQVPQPIPQTLALPPQPLWSVPQP	CASB_HUMAN	2.91	17, 18	0.180
LNLNLRAVGSGATFSHYYYMILS	CO4A_HUMAN	2.59	18	0.032
LNPTHQIYPVTQ	CASB_HUMAN	1.41	17	0.117
LNPTHQIYPVTQPLAPVH	CASB_HUMAN	2.03	22	0.163
LNPTHQIYPVTQPLAPVHNPIS	CASB_HUMAN	2.44	16, 17, 18	0.164
LNPTHQIYPVTQPLAPVHNPISV	CASB_HUMAN	2.54	16, 17, 18, 23	0.127
LNQELLLNPTHQ	CASB_HUMAN	1.42	22	0.122
LNQELLLNPTHQIYPVTQPLAPVHNP	CASB_HUMAN	2.95	17	0.194
LNQELLLNPTHQIYPVTQPLAPVHNPIS	CASB_HUMAN	3.15	16, 17, 18	0.163
LNQELLLNPTHQIYPVTQPLAPVHNPISV	CASB_HUMAN	3.25	16, 17, 18, 22	0.129
LPIQKLEPQIA	PLIN2_HUMAN	1.36	16, 17, 18	0.180
LPIPQQVVPYP	CASB_HUMAN	1.25	16, 17, 18	0.336

LPIPQQVVPYPQRA	CASB_HUMAN	1.61	16	0.434
LPIPQQVVPYPQRAVP	CASB_HUMAN	1.80	16, 17, 18	0.353
LPIPQQVVPYPQRAVPV	CASB_HUMAN	1.90	16, 17	0.327
LPIPQQVVPYPQRAVPVQ	CASB_HUMAN	2.03	16, 17, 18	0.265
LPIPQQVVPYPQRAVPVQA	CASB_HUMAN	2.10	16, 17, 18	0.223
LPIPQQVVPYPQRAVPVQAL	CASB_HUMAN	2.21	16, 17, 18	0.401
LPIPQQVVPYPQRAVPVQALL	CASB_HUMAN	2.33	17, 18	0.164
LPLAQPAVVLPVPQPEIMEVPKAKDTVYT	CASB_HUMAN	3.15	17	0.035
LPLRYPERLQNPSESSEPIP	CASA1_HUMAN	2.32	17, 18	0.206
LPLRYPERLQNPSESSEPIPLESREEYMNGMN	CASA1_HUMAN	3.78	16, 17, 18	0.534
LPNSHPPTVV	CASK_HUMAN	1.06	16	0.377
LPPTSNQDLGEASLQATLLGL	GHDC_HUMAN	2.14	17, 18	0.547
LPSSVQTVCESWNNINTNEFPNIGSWR	UBR4_HUMAN	3.09	17	0.535
LPVLEPLNPSRL	UBR4_HUMAN	1.35	17	0.642

LPVPQPEIMEVPK	CASB_HUMAN	1.48	16, 17	0.341
LPVPQPEIMEVPKA	CASB_HUMAN	1.55	17	0.348
LPVPQPEIMEVPKAKDT	CASB_HUMAN	1.89	16, 17	0.287
LPVPQPEIMEVPKAKDTVYT	CASB_HUMAN	2.26	16, 17	0.360
LQDFNVGDYIEAVLDRNLAENISRVLYPND	PYGB_HUMAN	3.47	17	0.196
LQNPSSESSEPIPLESREEYMNGMN	CASA1_HUMAN	2.75	16, 17, 18	0.580
LQPLMQQVPQPIP	CASB_HUMAN	1.49	19	0.290
LSQSLLLDITPEINPL	SUCO_HUMAN	1.77	17	0.354
LSSSEESITEYK	CASB_HUMAN	1.37	16, 17, 18, 23	0.094
LSSSEESITEYKQKVEK	CASB_HUMAN	1.99	16, 23	0.072
LTDLENLHLPLPLLQP	CASB_HUMAN	1.83	19	0.290
LTNNLATYGPRGKVFVHGWHLRWGVFDEYNVDQPFYISRRNT	CLCA3_HUMAN	5.10	17	0.381
LVLLGVSIFLVSAQNPTTAAPADTYPATGPAD	MUCL1_HUMAN	3.17	18	0.699
LVNERWVLTA	KA-7_HUMAN	1.27	19	0.138

LWSVPQPK	CASB_HUMAN	0.95	20	0.506
LWSVPQPKVLPPI	CASB_HUMAN	1.47	19	0.615
LWSVPQPKVLPPI	CASB_HUMAN	1.47	20	0.615
LWSVPQPKVLPPIQQV	CASB_HUMAN	1.83	19	0.423
LWSVPQPKVLPPIQQVVPYPQRAVPVQA	CASB_HUMAN	3.14	17	0.192
MASVAVDPQ	PLIN2_HUMAN	0.92	17	0.121
MESEELNGAYK	OSTP_HUMAN	1.27	16, 17	0.100
MGNLTVTEVSWDA	TENA_HUMAN	1.42	18	0.090
MKFISTSLLLMLLVSSLS	BCAC-1_HUMAN	1.98	19	0.495
MLVVDPKSKEED	OSTP_HUMAN	1.39	24	0.069
MPVLKSPTIP	CASB_HUMAN	1.09	16, 17	0.287
MPVLKSPTIPFFD	CASB_HUMAN	1.50	17	0.555
MPVLKSPTIPFFDPQIP	CASB_HUMAN	1.93	16, 17, 18	0.457
MPVLKSPTIPFFDPQIPK	CASB_HUMAN	2.06	16, 17, 18	0.457

MPVLKSPTIPFFDPQIPKLTDLN	CASB_HUMAN	2.75	17, 18	0.050
MQQVPQPIQTLALPPQPLWSVPQP	CASB_HUMAN	2.80	17	0.213
MQQVPQPIQTLALPPQPLWSVPQPK	CASB_HUMAN	2.92	17	0.248
MTTLMVSARSSLPRAS	A8K496_HUMAN	1.71	18	0.124
NDESNEHSDVIDSQELSKVS	OSTP_HUMAN	2.24	16, 24	0.068
NFGSKEDANVFASAMMHALEVLNSQETGPTLPRQNSQLPA	ENAH_HUMAN	4.31	17	0.068
NGAYKAIPVAQDLNAPSD	OSTP_HUMAN	1.85	24	0.184
NILLQLRQGQLTGR	TP4AP_HUMAN	1.61	17	0.250
NILPLAQPAVVLPVPQPEIMEVPK	CASB_HUMAN	2.60	16, 17, 18	0.109
NILPLAQPAVVLPVPQPEIMEVPKAKDTVYTK	CASB_HUMAN	3.51	16, 17, 18	0.057
NLHLPLPLL	CASB_HUMAN	1.03	22	0.776
NPAVAATSANL	MUC1_HUMAN	1.03	16, 17, 23	0.220
NPAVVRPHAQIPQR	CASK_HUMAN	1.59	17	0.325
NPSESSEPIPLE	CASA1_HUMAN	1.30	16	0.224

NPSESSEPIPLESREEYMNGMN	CASA1_HUMAN	2.52	17, 18	0.530
NPSESSEPIPLESREEYMNGMNR	CASA1_HUMAN	2.67	17, 18	0.639
NPTHQIYPVTQ	CASB_HUMAN	1.30	16, 17, 18	0.122
NPTHQIYPVTQPL	CASB_HUMAN	1.51	17, 18	0.26
NPTHQIYPVTQPLAPVH	CASB_HUMAN	1.92	16, 17	0.191
NPTHQIYPVTQPLAPVHNP	CASB_HUMAN	2.13	16	0.172
NPTHQIYPVTQPLAPVHNPIS	CASB_HUMAN	2.33	16, 17, 18	0.273
NPTHQIYPVTQPLAPVHNPISV	CASB_HUMAN	2.43	16, 17, 18, 23	0.218
NQELLLNPT	CASB_HUMAN	1.05	22	0.254
NQELLLNPTHQ	CASB_HUMAN	1.31	17, 18, 22	0.150
NQELLLNPTHQIYPV	CASB_HUMAN	1.78	20	0.294
NQELLLNPTHQIYPVT	CASB_HUMAN	1.89	17, 18	0.258
NQELLLNPTHQIYPVTQ	CASB_HUMAN	2.01	17	0.158
NQELLLNPTHQIYPVTQPLAPV	CASB_HUMAN	2.49	16	0.086

NQELLLNPTHQIYPVTQPLAPVH	CASB_HUMAN	2.63	16, 17, 18	0.094
NQELLLNPTHQIYPVTQPLAPVHNP	CASB_HUMAN	2.84	16, 17, 18	0.132
NQELLLNPTHQIYPVTQPLAPVHNPI	CASB_HUMAN	2.95	16, 17, 18	0.159
NQELLLNPTHQIYPVTQPLAPVHNPIIS	CASB_HUMAN	3.04	16, 17, 18	0.136
NQELLLNPTHQIYPVTQPLAPVHNPIISV	CASB_HUMAN	3.14	16, 17, 18, 23	0.119
NSISDASRTSEYK	SKT_HUMAN	1.46	17	0.114
PAVVLPVPQPEI	CASB_HUMAN	1.26	17, 18	0.194
PAVVLPVPQPEIME	CASB_HUMAN	1.52	17	0.319
PAVVLPVPQPEIMEVPKAKDTVYTKGR	CASB_HUMAN	2.97	16	0.111
PDIQYPDATDEDITSH	OSTP_HUMAN	1.82	24	0.119
PDIQYPDATDEDITSHMESEELNGAY	OSTP_HUMAN	2.95	16, 17	0.317
PDIQYPDATDEDITSHMESEELNGAYK	OSTP_HUMAN	3.07	16, 17, 18, 24	0.332
PFERIMQLELCDEDVQDQVVTSIGELVEVCSTQIQSGWRPL	C5NM88_HUMAN	4.70	17	0.128
PFFDPQIPK	CASB_HUMAN	1.09	16	0.766

PGASGCLLPDGLPSTSASAAAAGAAPALY	Q8NG43_HUMAN	2.72	18	0.480
PGSVGPKGSSGSPGPQGGPVGLQGLRGEVGLPG	COHA1_HUMAN	3.14	18	0.326
PHAQIPQRQYLPNSHPPTVVR	CASK_HUMAN	2.44	20	0.425
PIPQQVVPYPQRAVPVQALL	CASB_HUMAN	2.22	16	0.584
PLAPVHNPISV	CASB_HUMAN	1.15	16, 17	0.335
PLAQPAVVLVPVQPEI	CASB_HUMAN	1.67	17, 18	0.272
PLAQPAVVLVPVQPEIMEVPK	CASB_HUMAN	2.26	17	0.130
PLAQPAVVLVPVQPEIMEVPKAKDTVYT	CASB_HUMAN	3.04	16, 17	0.048
PLAQPAVVLVPVQPEIMEVPKAKDTVYTKGRVMP	CASB_HUMAN	3.71	16	0.056
PLAQPAVVLVPVQPEIMEVPKAKDTVYTKGRVMPVL	CASB_HUMAN	3.92	16	0.052
PLPLLQPLMQQVPQPIPQT	CASB_HUMAN	2.14	17, 18	0.488
PPPPPPPPPPGPPPPGLPSGDHQPPTTA	WASL_HUMAN	3.01	17	0.374
PQIPKLTDLNL	CASB_HUMAN	1.39	17	0.359
PQNILPLAQPAVVLVPVQPEIMEVPK	CASB_HUMAN	2.82	17	0.126

PQNILPLAQPAVVLPVPQPEIMEVPKAKDTVYTK	CASB_HUMAN	3.73	16	0.051
PQPIPQTLALPPQPLWSVPQP	CASB_HUMAN	2.31	16	0.248
PQPIPQTLALPPQPLWSVPQPKV	CASB_HUMAN	2.54	16	0.215
PQTLALPPQPLWSVPQPKV	CASB_HUMAN	2.10	16	0.649
PRPALLLLLLLLGGAHGLFPEEPPPLSVAP	F6IB19_HUMAN	3.10	18	0.763
PSGGGVPPPPPP	DIAP3_HUMAN	1.06	17	0.817
PSQKQNLLAPQN	OSTP_HUMAN	1.34	17	0.333
PTHQIYPVTQPLAPVHNPISV	CASB_HUMAN	2.31	16, 17, 18, 23	0.252
PTIPFFDPQIPK	CASB_HUMAN	1.40	17, 18	0.572
PTIPFFDPQIPKL	CASB_HUMAN	1.52	17, 18	0.718
PTIPFFDPQIPKLT	CASB_HUMAN	1.73	17, 18	0.417
PVAQDLNAPS	OSTP_HUMAN	1.02	16	0.235
PVAQDLNAPSD	OSTP_HUMAN	1.13	24	0.158
PVLKSPTIPFFDPQIP	CASB_HUMAN	1.80	17	0.470

PVLKSPTIPFFDPQIPK	CASB_HUMAN	1.93	17, 18	0.477
PVLKSPTIPFFDPQIPKLT	CASB_HUMAN	2.26	16	0.343
PVTQPLAPVH	CASB_HUMAN	1.06	17	0.249
PVTQPLAPVHNPIS	CASB_HUMAN	1.47	16, 17	0.245
PVTQPLAPVHNPISV	CASB_HUMAN	1.57	16, 17, 18	0.284
QAADGSMQPTSWRQEPQLCGMGTEQGCWIPVSSDKGS	EGF_HUMAN	3.96	17	0.251
QALLNQELLLNPTHQ	CASB_HUMAN	1.85	16	0.272
QALLNQELLLNPTHQIYPVTQPLAPVHNPISV	CASB_HUMAN	3.68	17	0.158
QELAQLLAQPEVGLIHQYCQGYW	SEM3F_HUMAN	2.69	18	0.910
QELLLNPTHQIYPVTQPLAPVHNPIS	CASB_HUMAN	2.93	16, 17, 18	0.152
QELLLNPTHQIYPVTQPLAPVHNPISV	CASB_HUMAN	3.02	16, 17, 18, 29	0.123
QEPAGEGLPLRKSGSVENGFDTQIYTD	NAV2_HUMAN	2.91	18	0.187
QGEDEHQDK	CASB_HUMAN	1.09	17	0.067
QGVNDNEEGFFS	FIBB_HUMAN	1.35	17, 18	0.403

QHWSYGLRPG	GON1_HUMAN	1.21	16	0.835
QISTAGTEASGTGNMKF	PYGB_HUMAN	1.70	17	0.308
QIYPVTQPLAPVHNPISV	CASB_HUMAN	1.98	16, 17, 18	0.342
QKVEKVKHEDQQQGEDEHQ	CASB_HUMAN	2.32	17	0.039
QKVEKVKHEDQQQGEDEHQD	CASB_HUMAN	2.44	16, 17, 18, 23	0.036
QKVEKVKHEDQQQGEDEHQDK	CASB_HUMAN	2.57	16, 17, 18, 23	0.097
QKVEKVKHEDQQQGEDEHQDKIY	CASB_HUMAN	2.84	16	0.073
QKVEKVKHEDQQQGEDEHQDKIYP	CASB_HUMAN	2.94	16, 23	0.131
QKVEKVKHEDQQQGEDEHQDKIYPS	CASB_HUMAN	3.03	16, 17, 18	0.075
QKVEKVKHEDQQQGEDEHQDKIYPSFQPQP	CASB_HUMAN	3.63	17, 18	0.106
QKVEKVKHEDQQQGEDEHQDKIYPSFQPQPLIYPFVEPIPY	CASB_HUMAN	4.96	16	0.046
QLDDQSAETHSHKQSRLY	OSTP_HUMAN	2.15	24	0.186
QLVLTGGTGSFGVFLVRQSETRRGEY	SH2B1_HUMAN	2.85	18	0.432
QLYENKPRRPYIL	NEUT_HUMAN	1.69	16	0.485

QNILPLAQPAVVLPVPQPEIMEVPK	CASB_HUMAN	2.73	17, 18	0.124
QNILPLAQPAVVLPVPQPEIMEVPKAKDTVYT	CASB_HUMAN	3.51	17, 18	0.063
QNILPLAQPAVVLPVPQPEIMEVPKAKDTVYTK	CASB_HUMAN	3.63	17	0.072
QNPSESSEPIPLESREEYMNGMN	CASA1_HUMAN	2.64	17, 18	0.588
QPAVVLPVPQPE	CASB_HUMAN	1.28	17, 18	0.255
QPAVVLPVPQPEIM	CASB_HUMAN	1.52	17, 18	0.451
QPAVVLPVPQPEIMEVPK	CASB_HUMAN	1.98	16, 17, 18	0.412
QPAVVLPVPQPEIMEVPKA	CASB_HUMAN	2.05	16, 17, 18	0.419
QPAVVLPVPQPEIMEVPKAKDTVYT	CASB_HUMAN	2.76	17, 18	0.072
QPAVVLPVPQPEIMEVPKAKDTVYTK	CASB_HUMAN	2.88	17	0.076
QPEIMEVPKAKDT	CASB_HUMAN	1.49	16	0.181
QPKVLPQPQQVVPYP	CASB_HUMAN	1.71	17, 18	0.489
QPLAPVHNPIS	CASB_HUMAN	1.18	17	0.422
QPLAPVHNPISV	CASB_HUMAN	1.28	16, 17, 18	0.457

QPLMQQVPQPIP	CASB_HUMAN	1.38	16	0.326
QPLMQQVPQPIPQT	CASB_HUMAN	1.61	16, 17, 18	0.278
QPLMQQVPQPIPQTLALPPQP	CASB_HUMAN	2.33	17, 18, 19	0.273
QPLMQQVPQPIPQTLALPPQPLWSVPQP	CASB_HUMAN	3.13	17	0.175
QPPLCGQTVCDNVELISQYNGYWP	PAPP2_HUMAN	2.73	17	0.235
QPQPLIYPFVEPIP	CASB_HUMAN	1.64	20	0.724
QQGEDEHQDKI	CASB_HUMAN	1.33	17, 18	0.101
QQVPQPIPQT	CASB_HUMAN	1.14	16, 17	0.382
QQVPQPIPQTLALPPQP	CASB_HUMAN	1.86	17	0.523
QQVPQPIPQTLALPPQPLWSVPQP	CASB_HUMAN	2.67	16, 17	0.194
QRAVPVQALLLNQELLLNPTHQIYPVTQPLAPVHNPISV	CASB_HUMAN	4.33	16	0.197
QRLVITARSIAIMRPNNLVHFTESKLPQMETEGMDEGK	UBR4_HUMAN	4.35	17	0.069
QRNILREKQTDEIKDT	CASA1_HUMAN	1.99	16, 17	0.064
QRNILREKQTDEIKDTR	CASA1_HUMAN	2.15	16, 17	0.086

QTLALPPQPLWSVPQP	CASB_HUMAN	1.78	16	0.490
QVLVPAGSARPVAFS	CO4A_HUMAN	1.50	17	0.369
QYLPNSHPP	CASK_HUMAN	1.06	16	0.372
QYLPNSHPPTVVR	CASK_HUMAN	1.51	16	0.336
QYPDATDEDITSH	OSTP_HUMAN	1.50	24	0.115
RAGAGRGAPEGPGPSGGAQGGG	SRXN1_HUMAN	1.86	18	0.492
RAPRGPAGPAAQQAAKLFGLEPGRPPPTGPEHK	TNC18_HUMAN	3.36	17	0.486
RETIESLSSSEE	CASB_HUMAN	1.37	17, 18	0.034
RETIESLSSSEESIT	CASB_HUMAN	1.67	17, 18	0.047
RETIESLSSSEESITEY	CASB_HUMAN	1.97	16, 17, 18	0.044
RETIESLSSSEESITEYK	CASB_HUMAN	2.09	16, 17, 18, 23	0.047
RETIESLSSSEESITEYK	CASB_HUMAN	2.09	29	0.047
RETIESLSSSEESITEYKQ	CASB_HUMAN	2.22	16, 17	0.043
RETIESLSSSEESITEYKQK	CASB_HUMAN	2.35	16, 17, 18, 23	0.046

RETIESLSSEESITEYKQKVE	CASB_HUMAN	2.58	16, 17, 18, 23	0.043
RETIESLSSEESITEYKQKVEK	CASB_HUMAN	2.71	16, 17, 18, 23	0.039
RETIESLSSEESITEYKQKVEKV	CASB_HUMAN	2.81	16	0.026
RETIESLSSEESITEYKQKVEKVKHEDQQQG	CASB_HUMAN	3.76	16	0.009
RETIESLSSEESITEYKQKVEKVKHEDQQQGEDEHQ	CASB_HUMAN	4.39	17	0.009
RETIESLSSEESITEYKQKVEKVKHEDQQQGEDEHQD	CASB_HUMAN	4.51	16	0.009
RETIESLSSEESITEYKQKVEKVKHEDQQQGEDEHQDK	CASB_HUMAN	4.64	16	0.009
RETIESLSSEESITEYKQKVEKVKHEDQQQGEDEHQDKIYPS	CASB_HUMAN	5.10	16	0.010
RETIESLSSEESITEYKQKVEKVKHEDQQQGEDEHQDKIYPSFQPQP	CASB_HUMAN	5.70	16	0.012
RISHELDSASSEVN	OSTP_HUMAN	1.55	16, 17, 24	0.080
RKANDESNEHSDVIDSQELSKVS	OSTP_HUMAN	2.59	24	0.055
RLQNPSSESSEPIP	CASA1_HUMAN	1.46	17	0.152
RLQNPSSESSEPIPLE	CASA1_HUMAN	1.70	16, 17, 18	0.150
RLQNPSSESSEPIPLESREE	CASA1_HUMAN	2.20	17	0.096

RLQNPSSESSEPIPLESREEYMNGMN	CASA1_HUMAN	2.91	16, 17, 18, 23	0.593
RLQNPSSESSEPIPLESREEYMNGMNR	CASA1_HUMAN	3.07	16, 17, 18	0.707
RPDIQYP	OSTP_HUMAN	0.89	24	0.433
RPDIQYPDA	OSTP_HUMAN	1.08	24	0.297
RPDIQYPDATD	OSTP_HUMAN	1.30	16, 17, 24	0.156
RPDIQYPDATDEDI	OSTP_HUMAN	1.65	24	0.114
RPDIQYPDATDEDIT	OSTP_HUMAN	1.75	16, 17, 24	0.124
RPDIQYPDATDEDITS	OSTP_HUMAN	1.84	24	0.096
RPDIQYPDATDEDITSH	OSTP_HUMAN	1.98	16, 17, 18, 24	0.107
RPDIQYPDATDEDITSHMESEELNGA	OSTP_HUMAN	2.94	24	0.159
RPDIQYPDATDEDITSHMESEELNGAY	OSTP_HUMAN	3.10	16, 17, 18, 24	0.234
RPDIQYPDATDEDITSHMESEELNGAYK	OSTP_HUMAN	3.23	16, 17, 18, 24	0.254
RPDIQYPDATDEDITSHMESEELNGAYKAIP	OSTP_HUMAN	3.51	24	0.178
RPHAQIPQRQYLPNSHPP	CASK_HUMAN	2.14	16	0.307

RPKLPLRYPERLQNPSE	CASA1_HUMAN	2.10	16, 17	0.242
RPKLPLRYPERLQNPSESSEPIPLE	CASA1_HUMAN	2.95	17, 18	0.425
RPKLPLRYPERLQNPSESSEPIPLESREEYMNGM	CASA1_HUMAN	4.05	16, 17	0.549
RPKLPLRYPERLQNPSESSEPIPLESREEYMNGMN	CASA1_HUMAN	4.16	16, 17, 18	0.593
RPKLPLRYPERLQNPSESSEPIPLESREEYMNGMNR	CASA1_HUMAN	4.32	16, 17, 18	0.655
RPKLPLRYPERLQNPSESSEPIPLESREEYMNGMNRQ	CASA1_HUMAN	4.45	16	0.632
RPKLPLRYPERLQNPSESSEPIPLESREEYMNGMNRQRNIL	CASA1_HUMAN	4.94	16	0.724
RRPDIQYPDATD	OSTP_HUMAN	1.45	24	0.129
RRPDIQYPDATDEDIT	OSTP_HUMAN	1.91	17, 24	0.108
RRPDIQYPDATDEDITSH	OSTP_HUMAN	2.13	16, 17, 24	0.094
RRPDIQYPDATDEDITSHMESEELNG	OSTP_HUMAN	3.02	24	0.198
RRPDIQYPDATDEDITSHMESEELNGA	OSTP_HUMAN	3.10	24	0.151
RRPDIQYPDATDEDITSHMESEELNGAY	OSTP_HUMAN	3.26	17, 18, 24	0.227
RRPDIQYPDATDEDITSHMESEELNGAYK	OSTP_HUMAN	3.39	16, 17, 18, 24	0.251

RRSAASSAVSSVGARSRGLGGYHG	PKD2_HUMAN	2.35	18	0.371
SAGSWNSGSSGPGSTGNRNPGSSGTGGTATWKP	FIBA_HUMAN	3.07	17	0.271
SEELNGAYK	OSTP_HUMAN	1.02	17	0.139
SEESITEYK	CASB_HUMAN	1.09	16, 17, 23	0.085
SEPIPLESREEYMNGMN	CASA1_HUMAN	2.00	17	0.607
SGGGVPPPPPPP	DIAP3_HUMAN	1.06	17	0.815
SGSSEEQGGSSRALVST	PIGR_HUMAN	1.64	23	0.307
SGSSEEQGGSSRALVSTLVPLG	PIGR_HUMAN	2.12	21	0.823
SHELDSASSEVN	OSTP_HUMAN	1.28	16, 17, 18, 24	0.104
SIQDLVREGSRGRASDFRGGSL	C5NM88_HUMAN	2.37	17	0.522
SIQLPTTVRDIMNRW	MAAV_HUMAN	1.83	19	0.532
SKEEDKHLKFRIS	OSTP_HUMAN	1.62	24	0.307
SKEEDKHLKFRISHELDSASSEVN	OSTP_HUMAN	2.79	24	0.107
SKKFRRPDIQYPDATD	OSTP_HUMAN	1.94	24	0.121

SKKFRRPDIQYPDATDEDITSH	OSTP_HUMAN	2.62	16	0.095
SKKFRRPDIQYPDATDEDITSHMESEELNGAY	OSTP_HUMAN	3.74	16	0.055
SKKFRRPDIQYPDATDEDITSHMESEELNGAYK	OSTP_HUMAN	3.87	16, 17	0.050
SKLIPTQPSQG	BT1A1_HUMAN	1.16	17	0.202
SKLIPTQPSQGAP	BT1A1_HUMAN	1.32	16, 17, 18	0.240
SKSKKFRRPDIQYPDATD	OSTP_HUMAN	2.15	17, 24	0.133
SKSKKFRRPDIQYPDATDEDITSH	OSTP_HUMAN	2.84	16, 17, 24	0.060
SKSKKFRRPDIQYPDATDEDITSHMESEELNGAY	OSTP_HUMAN	3.96	16	0.038
SKSKKFRRPDIQYPDATDEDITSHMESEELNGAYK	OSTP_HUMAN	4.09	16, 17, 18	0.036
SKSKKFRRPDIQYPDATDEDITSHMESEELNGAYKAI	OSTP_HUMAN	4.27	17	0.073
SLNSSEPLFLGQTGLGTTEEMGKLAL	CHSS1_HUMAN	2.69	17	0.189
SLSSSEESITEYK	CASB_HUMAN	1.46	16, 17, 18, 23	0.096
SLSSSEESITEYKQKVEK	CASB_HUMAN	2.07	17, 23	0.074
SPAVLVHRDGREQEAEQMPEY	BT1A1_HUMAN	2.44	16, 17	0.703

SPLENAIETMQLTNDKINSMVQQHLDDPSLPINPLSMLLNGIVDPA	DOCK1_HUMAN	5.03	17	0.049
SPTIPFFDPQIP	CASB_HUMAN	1.36	16, 17, 22	0.682
SPTIPFFDPQIPK	CASB_HUMAN	1.49	16, 17, 18, 29	0.674
SPTIPFFDPQIPK	CASB_HUMAN	1.49	20	0.674
SPTIPFFDPQIPKLT	CASB_HUMAN	1.70	17, 18	0.703
SPTIPFFDPQIPKLT	CASB_HUMAN	1.70	20	0.703
SPTIPFFDPQIPKLT	CASB_HUMAN	1.82	17	0.487
SPYEKVSAGNGGSS	MUC1_HUMAN	1.34	17	0.274
SPYEKVSAGNGGSSL	MUC1_HUMAN	1.45	16, 17	0.464
SPYEKVSAGNGGSSLS	MUC1_HUMAN	1.54	16, 17, 18	0.335
SPYEKVSAGNGGSSLSY	MUC1_HUMAN	1.70	16	0.355
SQPRALEQQASTPPPPP	INF2_HUMAN	1.80	17	0.464
SRASVDSGSSEEQGGSSRA	PIGR_HUMAN	1.85	23	0.149
SSEESITEY	CASB_HUMAN	1.04	16	0.090

SSEESITEYK	CASB_HUMAN	1.17	16, 17, 18	0.096
SSEESITEYKQ	CASB_HUMAN	1.30	16	0.089
SSEESITEYKQK	CASB_HUMAN	1.43	23	0.088
SSEPIPLESREEYMNGMN	CASA1_HUMAN	2.08	17	0.627
SSPGTSDMKDLVGNIEQNEHSVI	MRC1_HUMAN	2.46	17, 18	0.500
SSSEESITEY	CASB_HUMAN	1.13	17	0.096
SSSEESITEYK	CASB_HUMAN	1.26	16, 17, 18, 23	0.110
SSSEESITEYKQ	CASB_HUMAN	1.39	16, 17	0.096
SSSEESITEYKQKVEK	CASB_HUMAN	1.87	16, 17, 23	0.078
STAKGAVDHLKLSLESLSYFSIESSTK	APOB_HUMAN	2.89	16	0.026
STLFENSPTSAHAFWGGSVVSSQSTPESMLSGKSSYLPN	ANR17_HUMAN	4.08	17	0.027
SVDSGSSEEQGGSSRA	PIGR_HUMAN	1.54	17, 18, 23	0.152
SVDSGSSEEQGGSSRALVSTLVPL	PIGR_HUMAN	2.36	17, 18	0.817
SVDSGSSEEQGGSSRALVSTLVPLG	PIGR_HUMAN	2.42	16, 17, 18, 21	0.819

SVPQPKVLPQP	CASB_HUMAN	1.30	17, 18	0.410
SVPQPKVLPQPQVVPYP	CASB_HUMAN	1.99	17	0.508
SVPQPKVLPQPQVVPYPQ	CASB_HUMAN	2.12	17, 18	0.468
SVPQPKVLPQPQVVPYPQR	CASB_HUMAN	2.27	22	0.571
SVPQPKVLPQPQVVPYPQRAVPVQ	CASB_HUMAN	2.77	17, 18	0.120
SVPQPKVLPQPQVVPYPQRAVPVQA	CASB_HUMAN	2.84	16, 17, 18	0.105
SVSLGELKS	TBC17_HUMAN	0.92	17	0.114
SYETSQLDDQSAETHSHKQSRLY	OSTP_HUMAN	2.71	24	0.498
TDLENLHLPLPLLQPLMQQVPQPIPQT	CASB_HUMAN	3.08	17	0.400
TDRSPYEKVSAGNGGSSLS	MUC1_HUMAN	1.91	16, 17, 18	0.191
TDRSPYEKVSAGNGGSSLSY	MUC1_HUMAN	2.08	17, 18	0.206
TDRSPYEKVSAGNGGSSLSYTNPAVAATSANL	MUC1_HUMAN	3.19	17, 18	0.194
THQIYPVTQPLAPVHNPIS	CASB_HUMAN	2.11	17	0.159
THQIYPVTQPLAPVHNPISV	CASB_HUMAN	2.21	16, 17, 18	0.195

TIESLSSSEESITE	CASB_HUMAN	1.51	18	0.064
TIESLSSSEESITEYK	CASB_HUMAN	1.80	16, 17, 18, 23	0.067
TIESLSSSEESITEYKQKVEK	CASB_HUMAN	2.42	16, 17, 18	0.179
TIPFFDPQIPKLTDLN	CASB_HUMAN	1.99	19	0.344
TKLIVQLDKKVISQ	NPT2B_HUMAN	1.61	17	0.062
TLALPPQPLWSVPQP	CASB_HUMAN	1.64	16	0.482
TNPAVAATSANL	MUC1_HUMAN	1.13	16, 17, 23	0.143
TPFSIPSHHSDTPTTLA	MUC1_HUMAN	1.81	17	0.228
TQLVNHFWKLHAS	UBR4_HUMAN	1.58	17	0.290
TQPLAPVHNPIS	CASB_HUMAN	1.27	17	0.238
TQPLAPVHNPISV	CASB_HUMAN	1.37	16, 17, 18, 22	0.271
TRDQADGSRASVDSGSSEEQGGSSRA	PIGR_HUMAN	2.60	16, 23	0.223
TRLSHFYVKNEDLEKIGMGRPGQRR	ACK1_HUMAN	3.12	17	0.452
TSKGEKFPSTSESRNPDEEGLFTVAASVIIR	BT1A1_HUMAN	3.35	16	0.054

TVSHKCLVVGLEQYEQML	TNC18_HUMAN	2.08	17	0.310
TYYANPAVVRPHAQIPQ	CASK_HUMAN	1.93	16, 17	0.121
TYYANPAVVRPHAQIPQR	CASK_HUMAN	2.08	16, 17	0.167
VADTRDQADGSRASVDSGSSEEQGGSS	PIGR_HUMAN	2.66	16, 17, 18	0.256
VADTRDQADGSRASVDSGSSEEQGGSSR	PIGR_HUMAN	2.81	23	0.228
VADTRDQADGSRASVDSGSSEEQGGSSRA	PIGR_HUMAN	2.88	16, 17, 18, 23	0.203
VADTRDQADGSRASVDSGSSEEQGGSSRALVST	PIGR_HUMAN	3.28	16, 17, 18	0.101
VDSGSSEEQGGSSRALVSTLVPLG	PIGR_HUMAN	2.33	21	0.810
VEKVKHEDQQQGEDEHQDK	CASB_HUMAN	2.31	17	0.035
VEPIPYGFLPQNILP	CASB_HUMAN	1.70	19	0.692
VEPIPYGFLPQNILPLA	CASB_HUMAN	1.88	19	0.791
VEPIPYGFLPQNILPLAQP	CASB_HUMAN	2.11	19	0.639
VGPPGPPGPQPPGDSRLLSTDASH	COHA1_HUMAN	2.39	18	0.497
VIGHKGERGVKGLTGPPGPPGTIV	CO4A3_HUMAN	2.42	18	0.175

VKHEDQQQGEDEHQD	CASB_HUMAN	1.82	17	0.036
VKHEDQQQGEDEHQDK	CASB_HUMAN	1.95	17, 23	0.043
VKHEDQQQGEDEHQDKIYPS	CASB_HUMAN	2.41	16, 17, 18	0.076
VKHEDQQQGEDEHQDKIYPSFQPQP	CASB_HUMAN	3.01	23	0.357
VKQADSGSSEEKQLYNKYPDVAVAT	OSTP_HUMAN	2.63	24	0.130
VLKSPTIPFFDPQIPK	CASB_HUMAN	1.83	17, 18	0.448
VLLKDEPQQTAAQMGFAPIQP	ANR17_HUMAN	2.28	17	0.059
VLPIPQQVVPYP	CASB_HUMAN	1.35	16, 17, 18	0.277
VLPIPQQVVPYPQ	CASB_HUMAN	1.48	17, 18	0.228
VLPIPQQVVPYPQR	CASB_HUMAN	1.63	16, 17, 18, 22	0.346
VLPIPQQVVPYPQRAVP	CASB_HUMAN	1.90	17, 18	0.306
VLPIPQQVVPYPQRAVPVQ	CASB_HUMAN	2.13	16, 17, 18	0.237
VLPIPQQVVPYPQRAVPVQA	CASB_HUMAN	2.20	16, 17, 18, 22	0.199
VLPIPQQVVPYPQRAVPVQAL	CASB_HUMAN	2.31	16, 17, 18	0.109

VLPIPQQVVPYPQRAVPVQALL	CASB_HUMAN	2.43	17, 19	0.093
VLPIPQQVVPYPQRAVPVQALLL	CASB_HUMAN	2.54	17, 19	0.072
VLPIPQQVVPYPQRAVPVQALLLNQ	CASB_HUMAN	2.78	19	0.078
VLPIPQQVVPYPQRAVPVQALLLNQE	CASB_HUMAN	2.91	17, 18	0.081
VLPIPQQVVPYPQRAVPVQALLLNQEL	CASB_HUMAN	3.03	17	0.076
VLPIPQQVVPYPQRAVPVQALLLNQEELLNPTHQIYPVTQPLAPVHNPIS	CASB_HUMAN	5.56	16, 17	0.048
VLPIPQQVVPYPQRAVPVQALLLNQEELLNPTHQIYPVTQPLAPVHNPISV	CASB_HUMAN	5.66	16, 17	0.043
VLPVPQPEIMEVPK	CASB_HUMAN	1.58	18	0.270
VLPVPQPEIMEVPKAKDTVYT	CASB_HUMAN	2.36	16	0.054
VLPVPQPEIMEVPKAKDTVYTK	CASB_HUMAN	2.48	17	0.055
VLPVPQPEIMEVPKAKDTVYTKGRVMP	CASB_HUMAN	3.02	16	0.055
VMPVLKSPTIP	CASB_HUMAN	1.18	17	0.294
VMPVLKSPTIPFFD	CASB_HUMAN	1.59	16, 17	0.566
VMPVLKSPTIPFFDPQIPK	CASB_HUMAN	2.16	16, 17, 18	0.505

VMPVLKSPTIPFFDPQIPK	CASB_HUMAN	2.16	20	0.505
VMPVLKSPTIPFFDPQIPKLT	CASB_HUMAN	2.48	17, 18	0.073
VMPVLKSPTIPFFDPQIPKLTDLN	CASB_HUMAN	2.84	17, 18	0.057
VPKAKDTVYT	CASB_HUMAN	1.12	17	0.120
VPPRVPIPPRTRPHVQLSPAPPG	ACK1_HUMAN	2.56	17, 18	0.414
VPQPEIMEVPK	CASB_HUMAN	1.27	16	0.262
VPQPEIMEVPKAKDT	CASB_HUMAN	1.68	16	0.233
VPQPEIMEVPKAKDTVYT	CASB_HUMAN	2.05	16	0.291
VPQPIPQTLALPPQP	CASB_HUMAN	1.60	16, 17	0.538
VPQPKVLPQP	CASB_HUMAN	1.22	17, 18	0.366
VPQPKVLPQPQQVVP	CASB_HUMAN	1.64	16, 17, 18	0.336
VPQPKVLPQPQQVVPYP	CASB_HUMAN	1.90	16, 17, 18	0.433
VPSAGPAGPAPTSAAAGRTFPASGGGYKASS	IRS2_HUMAN	2.68	18	0.131
VPVQALLLNQELLNPTHQ	CASB_HUMAN	2.14	16	0.330

VPVQALLLNQELLNPTHQIY	CASB_HUMAN	2.42	16	0.126
VPVQALLLNQELLNPTHQIYPVTQPLAPVHNP	CASB_HUMAN	3.67	17	0.359
VPVQALLLNQELLNPTHQIYPVTQPLAPVHNPIS	CASB_HUMAN	3.87	17, 18	0.262
VPVQALLLNQELLNPTHQIYPVTQPLAPVHNPISV	CASB_HUMAN	3.97	16, 17, 18	0.194
VQALLLNQELLNPTHQIYPVTQPLAPVHNPIS	CASB_HUMAN	3.67	17, 18	0.163
VQALLLNQELLNPTHQIYPVTQPLAPVHNPISV	CASB_HUMAN	3.77	16, 17	0.106
VREDLAGAATWPWDKDAVTHLGGIVLSPAYYGMPGHTDTMIHE	PAPP2_HUMAN	4.68	17	0.110
VTQPLAPVHNPISV	CASB_HUMAN	1.47	16, 17, 18, 22, 26	0.212
VVDAALVDCSVALAKPFDKFQFERLGYFSVDPDS	B4DWJ2_HUMAN	3.75	18	0.064
VVLPVPQPEIM	CASB_HUMAN	1.22	17, 18	0.295
VVLPVPQPEIMEVP	CASB_HUMAN	1.55	17	0.221
VVLPVPQPEIMEVPK	CASB_HUMAN	1.68	16, 17, 18	0.228
VVLPVPQPEIMEVPKA	CASB_HUMAN	1.75	17, 22	0.239
VVLPVPQPEIMEVPKAK	CASB_HUMAN	1.87	17	0.260

VVLPVPQPEIMEVPAKADT	CASB_HUMAN	2.09	17	0.222
VVLPVPQPEIMEVPAKADTVYT	CASB_HUMAN	2.45	16, 17	0.071
VVLPVPQPEIMEVPAKADTVYTK	CASB_HUMAN	2.58	16, 17, 18	0.070
VVLPVPQPEIMEVPAKADTVYTKG	CASB_HUMAN	2.64	16	0.071
VVLPVPQPEIMEVPAKADTVYTKGR	CASB_HUMAN	2.80	16, 17	0.146
VVLPVPQPEIMEVPAKADTVYTKGRVM	CASB_HUMAN	3.03	16, 17	0.064
VVLPVPQPEIMEVPAKADTVYTKGRVMP	CASB_HUMAN	3.12	16, 17	0.068
VVLPVPQPEIMEVPAKADTVYTKGRVMPV	CASB_HUMAN	3.22	16, 17	0.054
VVPYPQRAVPVQ	CASB_HUMAN	1.35	17	0.146
VVRPHAQIPQRQYLPNSHPPTVV	CASK_HUMAN	2.64	16	0.215
WGQDVTSVPVTRPALGSTTPPAHDVTS	MUC1_HUMAN	2.78	17	0.171
WGRLTWRKMCRKLLDMTFSS	vWFC_HUMAN	2.52	19	0.517
WRKMCRKLLDMTFSSKTNTLVVR	vWFC_HUMAN	2.81	19	0.218
WSVPQPKVLPVPPQVVPYPQRAVPVQ	CASB_HUMAN	2.95	17, 18	0.148

WYLPSYLTVVIQLANIGPLLVTLLHHFRP	RFT2_HUMAN	3.38	17	0.078
YAKIHFTIMFIGVNLTF	Q7GXY8_HUMAN	2.16	17	0.627
YETSQLDDQSAETHSHKQSRLY	OSTP_HUMAN	2.62	24	0.386
YPDATDEDITSH	OSTP_HUMAN	1.36	16, 17	0.097
YPERLQNPSE	CASA1_HUMAN	1.23	16, 17	0.116
YPERLQNPSESSEPIP	CASA1_HUMAN	1.84	23	0.182
YPFV	CASB_HUMAN	0.52	28	0.832
YPFVE	CASB_HUMAN	0.65	28	0.434
YPFVEPI	CASB_HUMAN	0.86	28	0.506
YPFVEPIP	CASB_HUMAN	0.96	28	0.575
YPFVEPIPY	CASB_HUMAN	1.12	24	0.576
YPFVEPIPY	CASB_HUMAN	1.12	28	0.576
YPFVEPIPYG	CASB_HUMAN	1.18	28	0.629
YPFVEPIPYGF	CASB_HUMAN	1.33	28	0.841

YPFVEPIPYGFL	CASB_HUMAN	1.44	19, 20	0.882
YPFVEPIPYGFLP	CASB_HUMAN	1.54	20	0.831
YPVTQPLAPVH	CASB_HUMAN	1.22	16, 22	0.238
YPVTQPLAPVHNPIS	CASB_HUMAN	1.63	25	0.241
YPVTQPLAPVHNPISV	CASB_HUMAN	1.73	16, 17, 18	0.288
YQRRPAIAINNPYVPRTY	CASK_HUMAN	2.19	17	0.195
YTKGRVMPVLKSPTIPFFDPQIPK	CASB_HUMAN	2.76	17	0.045
YTNPAVAATSANL	MUC1_HUMAN	1.29	17, 18	0.120
YTPEEFQKYCEDIVNTAAWGGQLEL	OTU6B_HUMAN	2.91	17	0.572
