

Table S1. Hydroxylation datasets

Hydroxyproline				
Pro. ID	Site	Frag.	Class	Dataset
ADIPO_BOVIN	39	GWMAGIPGHPGHN	1	training
ADIPO_BOVIN	42	AGIPGHPGHNGTP	1	training
ADIPO_BOVIN	48	PGHNGTPGRDGRD	1	training
ADIPO_BOVIN	86	ITGIEGPRGFPGT	1	training
ADIPO_BOVIN	14	LLLLALPSHGEDN	-1	training
ADIPO_BOVIN	24	EDNMEDPPLPKGA	-1	training
ADIPO_BOVIN	25	DNMEDPPLPKGAC	-1	training
ADIPO_BOVIN	27	MEDPPLPKGACAG	-1	training
ADIPO_BOVIN	57	DGRDGTPEKGEK	-1	training
ADIPO_BOVIN	66	KGEKGDPLVGPK	-1	training
ADIPO_BOVIN	71	DPGLVGPKGDTGE	-1	training
ADIPO_BOVIN	90	EGPRGFPGTPGRK	-1	training
ADIPO_BOVIN	93	RGFPGTGRKGEP	-1	training
ADIPO_BOVIN	99	PGRKGEPGESAYV	-1	training
ADIPO_BOVIN	121	ERQVTVPNVPIRF	-1	training
ADIPO_BOVIN	124	VTVPNVPIRFTKI	-1	training
ADIPO_BOVIN	150	KFLCNIPGLYYFS	-1	training
ADIPO_HUMAN	47	AGIPGHPGHNGAP	1	training
ADIPO_HUMAN	53	PGHNGAPGRDGRD	1	training
ADIPO_HUMAN	71	KGEKGDPLIGPK	1	training
ADIPO_HUMAN	76	DPGLIGPKGDIGE	1	training
ADIPO_HUMAN	91	VPGAEGPRGFPGI	1	training
ADIPO_HUMAN	95	EGPRGFPGIQGRK	1	training
ADIPO_HUMAN	14	LLLLALPGHDQET	-1	training
ADIPO_HUMAN	25	ETTTQGPVLLPL	-1	training
ADIPO_HUMAN	30	GPGVLLPLPKGAC	-1	training
ADIPO_HUMAN	32	GVLLPLPKGACTG	-1	training
ADIPO_HUMAN	86	IGETGVPGAEGPR	-1	training
ADIPO_HUMAN	104	QGRKGEPGEGAYV	-1	training
ADIPO_HUMAN	126	ETYVTIPNMPIRF	-1	training
ADIPO_HUMAN	129	VTIPNMPIRFTKI	-1	training
ADIPO_HUMAN	155	KFHCNIPGLYYFA	-1	training
ADRB2_HUMAN	382	LLCEDLPGTEDFV	1	training
ADRB2_HUMAN	395	GHQGTVPASNIDS	1	training
ADRB2_HUMAN	4	XXXMGQPGNGSAF	-1	training
ADRB2_HUMAN	14	SAFLAPNGSHAP	-1	training
ADRB2_HUMAN	20	PNGSHAPDHDVTQ	-1	training
ADRB2_HUMAN	88	MGLAVVPFGAAHI	-1	training
ADRB2_HUMAN	138	YFAITSPFKYQSL	-1	training
ADRB2_HUMAN	168	GLTSFLPIQMHY	-1	training
ADRB2_HUMAN	211	IVSFYVPLVIMVF	-1	training
ADRB2_HUMAN	288	FTLCWLPPFIVNI	-1	training
ADRB2_HUMAN	323	VNSGFNPLIYCRS	-1	training
ADRB2_HUMAN	330	LIYCRSPDFRIAF	-1	training
AGO2_HUMAN	700	LEKDYQPGITFIV	1	training
AGO2_HUMAN	7	MYSGAGPALAPPA	-1	training
AGO2_HUMAN	11	AGPALAPPAPPPP	-1	training
AGO2_HUMAN	12	GPALAPPAPPPPI	-1	training
AGO2_HUMAN	14	ALAPPAPPPPIQG	-1	training
AGO2_HUMAN	15	LAPPAPPPPIQGY	-1	training

AGO2_HUMAN	16	APPAPPPPIQGYA	-1	training
AGO2_HUMAN	17	PPAPPPPIQGYAF	-1	training
AGO2_HUMAN	25	QGYAFKPPPRPDF	-1	training
AGO2_HUMAN	26	GYAFKPPPRPDFG	-1	training
AGO2_HUMAN	27	YAFKPPPRPDFGT	-1	training
AGO2_HUMAN	29	FKPPPRPDFGTSG	-1	training
AGO2_HUMAN	50	FFEMDIPKIDIYH	-1	training
AGO2_HUMAN	63	YELDIKPEKCPRR	-1	training
AGO2_HUMAN	67	IKPEKCPRRVNRE	-1	training
AGO2_HUMAN	92	IFGDRKPVFDGRK	-1	training
AGO2_HUMAN	105	NLYTAMPLPIGRD	-1	training
AGO2_HUMAN	107	YTAMPLPIGRDKV	-1	training
AGO2_HUMAN	120	ELEVTLPGEGKDR	-1	training
AGO2_HUMAN	152	ALSGRLPSVPFET	-1	training
AGO2_HUMAN	155	GRLPSVPFETIQA	-1	training
AGO2_HUMAN	170	VVMRHLPSMRYTP	-1	training
AGO2_HUMAN	176	PSMRYTPVGRSFF	-1	training
AGO2_HUMAN	191	SEGCSNPLGGGRE	-1	training
AGO2_HUMAN	208	FHQSVRPSLWKMM	-1	training
AGO2_HUMAN	229	AFYKAQPVIEFVC	-1	training
AGO2_HUMAN	249	IEEQKPLTDSQR	-1	training
AGO2_HUMAN	288	CNVTRRPASHQTF	-1	training
AGO2_HUMAN	295	ASHQTFPLQQESG	-1	training
AGO2_HUMAN	323	KLVLRYPHLPCLQ	-1	training
AGO2_HUMAN	326	LRYPHLPCLQVGQ	-1	training
AGO2_HUMAN	340	QKHTYLPLEVCNI	-1	training
AGO2_HUMAN	373	ATARSAPDRQEEI	-1	training
AGO2_HUMAN	392	ASFNTDPYVREFG	-1	training
AGO2_HUMAN	415	TGRVLQPPSILYG	-1	training
AGO2_HUMAN	416	GRVLQPPSILYGG	-1	training
AGO2_HUMAN	430	NKAIATPVQGVWD	-1	training
AGO2_HUMAN	458	AIACFAPQRQCTE	-1	training
AGO2_HUMAN	484	SRDAGMPIQQGPC	-1	training
AGO2_HUMAN	489	MPIQQGPCFCKYA	-1	training
AGO2_HUMAN	503	GADSVEPMFRHLK	-1	training
AGO2_HUMAN	523	LVVVILPGKTPVY	-1	training
AGO2_HUMAN	527	ILPGKTPVYAEVK	-1	training
AGO2_HUMAN	557	NVQRTTPQTLNL	-1	training
AGO2_HUMAN	580	VNNILLPQGRPPV	-1	training
AGO2_HUMAN	584	LLPQGRPPVFQQP	-1	training
AGO2_HUMAN	585	LPQGRPPVFQQPV	-1	training
AGO2_HUMAN	590	PPVFQQPVIFLGA	-1	training
AGO2_HUMAN	601	GADVTHPPAGDGK	-1	training
AGO2_HUMAN	602	ADVTHPPAGDGKK	-1	training
AGO2_HUMAN	609	AGDGKKPSIAAVV	-1	training
AGO2_HUMAN	622	GSMDAHPNRYCAT	-1	training
AGO2_HUMAN	661	KSTRFKPTRIIFY	-1	training
AGO2_HUMAN	731	GKSGNIPAGTTVD	-1	training
AGO2_HUMAN	743	DTKITHPTEFDY	-1	training
AGO2_HUMAN	762	IQGTSRPSHYHVL	-1	training
AGO2_HUMAN	800	TRSVSIPAPAYYA	-1	training
AGO2_HUMAN	802	SVSIPAPAYY AHL	-1	training
AGP10_ARATH	24	SAIAQAPGPAPTR	1	training
AGP10_ARATH	26	IAQAPGPAPTRSP	1	training

AGP10_ARATH	28	QAPGPAPTRSPLP	1	training
AGP10_ARATH	32	PAPTRSPLPSPAQ	1	training
AGP10_ARATH	36	RSPLPSPAQPPRT	1	training
AGP10_ARATH	34	PTRSPLPSPAQPP	-1	training
AGP10_ARATH	39	LPSPAQPPRTAAP	-1	training
AGP10_ARATH	40	PSPAQPPRTAAPT	-1	training
AGP10_ARATH	45	PPRTAAPTSPITP	-1	training
AGP10_ARATH	47	RTAAPTSPITPTP	-1	training
AGP10_ARATH	51	PTPSITPTPTPTP	-1	training
AGP10_ARATH	53	PSITPTPTPTPSA	-1	training
AGP10_ARATH	55	ITPTPTPTPSATP	-1	training
AGP10_ARATH	57	PTPTPTPSATPTA	-1	training
AGP10_ARATH	61	PTPSATPTAAPVS	-1	training
AGP10_ARATH	65	ATPTAAPVSPPAG	-1	training
AGP10_ARATH	68	TAAPVSPPAGSPL	-1	training
AGP10_ARATH	69	AAPVSPPAGSPLP	-1	training
AGP10_ARATH	73	SPPAGSPLPSSAS	-1	training
AGP10_ARATH	75	PAGSPLPSSASPP	-1	training
AGP10_ARATH	80	LPSSASPPAPPTS	-1	training
AGP10_ARATH	81	PSSASPPAPPTSL	-1	training
AGP10_ARATH	83	SASPPAPPTSLTP	-1	training
AGP10_ARATH	84	ASPPAPPTSLTPD	-1	training
AGP10_ARATH	89	PPTSLTPDGAPVA	-1	training
AGP10_ARATH	93	LTPDGAPVAGPTG	-1	training
AGP10_ARATH	97	GAPVAGPTGSTPV	-1	training
AGP10_ARATH	102	GPTGSTPVDNNA	-1	training
AGP12_ARATH	32	AAQTEAPAPSPTS	1	training
AGP12_ARATH	34	QTEAPAPSPTSDA	1	training
AGP12_ARATH	36	EAPAPSPTSDAAM	1	training
AGP12_ARATH	45	DAAMFVPALFASV	-1	training
AGP13_ARATH	31	AAVEAPAPSPTS	1	training
AGP13_ARATH	33	AVEAPAPSPTSDA	1	training
AGP13_ARATH	35	EAPAPSPTSASL	1	training
AGP13_ARATH	44	DASLAIPAFFASV	-1	training
AGP14_ARATH	32	VAAVDAPAPSPTS	1	training
AGP14_ARATH	34	AVDAPAPSPTSDA	1	training
AGP14_ARATH	36	DAPAPSPTSASS	1	training
AGP14_ARATH	45	DASSFIPTFFASV	-1	training
AGP15_ARATH	27	SAQSEAPAPSPTS	1	training
AGP15_ARATH	29	QSEAPAPSPTSGS	1	training
AGP15_ARATH	31	EAPAPSPTSGSSA	1	training
AGP16_ARATH	31	GAQSLAPAPAPTS	1	training
AGP16_ARATH	33	QSLAPAPAPTSAG	1	training
AGP16_ARATH	35	LAPAPAPTSAGTS	1	training
AGP16_ARATH	63	LTYLIHPLDASSS	-1	training
AGP2_ARATH	24	SCLAQAPAPAPTT	1	training
AGP2_ARATH	26	LAQAPAPAPTTVT	1	training
AGP2_ARATH	28	QAPAPAPTTVTPP	1	training
AGP2_ARATH	34	PTTVTPPPTALPP	1	training
AGP2_ARATH	35	TTVTPPPTALPPV	1	training
AGP2_ARATH	33	APTTVTPPPTALP	-1	training
AGP2_ARATH	39	PPPTALPPVTAET	-1	training
AGP2_ARATH	40	PPTALPPVTAETP	-1	training
AGP2_ARATH	46	PVTAETPSPIASP	-1	training

AGP2_ARATH	48	TAETPSPIASPPV	-1	training
AGP2_ARATH	52	PSPIASPPVPVNE	-1	training
AGP2_ARATH	53	SPIASPPVPVNEP	-1	training
AGP2_ARATH	55	IASPPVPVNEPTP	-1	training
AGP2_ARATH	59	PVPVNEPTPAPTT	-1	training
AGP2_ARATH	61	PVNEPTPAPTTSP	-1	training
AGP2_ARATH	63	NEPTPAPTTSPTT	-1	training
AGP2_ARATH	67	PAPTTSPTTSPVA	-1	training
AGP2_ARATH	71	TSPTTSPVASPPQ	-1	training
AGP2_ARATH	75	TSPVASPPQTDAP	-1	training
AGP2_ARATH	76	SPVASPPQTDAPA	-1	training
AGP2_ARATH	81	PPQTDAPAPGPSA	-1	training
AGP2_ARATH	83	QTDAPAPGPSAGL	-1	training
AGP2_ARATH	85	DAPAPGPSAGLTP	-1	training
AGP2_ARATH	91	PSAGLTPTSSPAP	-1	training
AGP2_ARATH	95	LTPTSSPAPGPDG	-1	training
AGP2_ARATH	97	PTSSPAPGPDGAA	-1	training
AGP2_ARATH	99	SSPAPGPDGAADA	-1	training
AGP2_ARATH	106	DGAADAPSAAWAN	-1	training
AGP7_ARATH	24	SCLAQAPAPSPTT	1	training
AGP7_ARATH	26	LAQAPAPSPTTTV	1	training
AGP7_ARATH	28	QAPAPSPTTTVTP	1	training
AGP7_ARATH	35	TTTVTPPPVATPP	1	training
AGP7_ARATH	36	TTVTTPPPVATPPP	1	training
AGP7_ARATH	34	PTTTVTTPPPVATP	-1	training
AGP7_ARATH	46	PPPAATPAPTTTP	-1	training
AGP7_ARATH	48	PAATPAPTTTTPP	-1	training
AGP7_ARATH	52	PAPTTTTPPPAVSP	-1	training
AGP7_ARATH	53	APTTTTPPPAVSPA	-1	training
AGP7_ARATH	54	PTTTTPPPAVSPAP	-1	training
AGP7_ARATH	58	PPPAVSPAPTSSP	-1	training
AGP7_ARATH	60	PAVSPAPTSSPPS	-1	training
AGP7_ARATH	64	PAPTSSPPSSAPS	-1	training
AGP7_ARATH	65	APTSSPPSSAPSP	-1	training
AGP7_ARATH	69	SPPSSAPSPSSDA	-1	training
AGP7_ARATH	71	PSSAPSPSSDAPT	-1	training
AGP7_ARATH	76	SPSSDAPTASPPA	-1	training
AGP7_ARATH	80	DAPTASPPAPEGP	-1	training
AGP7_ARATH	81	APTASPPAPEGPG	-1	training
AGP7_ARATH	83	TASPPAPEGPGVS	-1	training
AGP7_ARATH	86	PPAPEGPGVSPGE	-1	training
AGP7_ARATH	90	EGPGVSPGELAPT	-1	training
AGP7_ARATH	95	SPGELAPTPSDAS	-1	training
AGP7_ARATH	97	GELAPTPSDASAP	-1	training
AGP7_ARATH	103	PSDASAPPPNAAL	-1	training
AGP7_ARATH	104	SDASAPPPNAALT	-1	training
AGP7_ARATH	105	DASAPPPNAALTN	-1	training
AGP9_ARATH	23	GVTGQAPTSPTTA	1	training
AGP9_ARATH	26	GQAPTSPTTATPA	1	training
AGP9_ARATH	27	QAPTSPTTATPAP	1	training
AGP9_ARATH	31	SPPTATPAPTPT	1	training
AGP9_ARATH	33	PTATPAPTPTTP	1	training
AGP9_ARATH	34	TATPAPTPTTPP	-1	training
AGP9_ARATH	36	TPAPTPTTPPPA	-1	training

AGP9_ARATH	39	PPTPTTPPPAATP	-1	training
AGP9_ARATH	40	PTPTTPPPAATPP	-1	training
AGP9_ARATH	41	TPTTTPPPAATPPP	-1	training
AGP9_ARATH	45	PPPAATPPPVSAP	-1	training
AGP9_ARATH	46	PPAATPPPVSAPP	-1	training
AGP9_ARATH	47	PAATPPPVSAPPP	-1	training
AGP9_ARATH	51	PPPVSA PPPVTTS	-1	training
AGP9_ARATH	52	PPVSA PPPVTTS P	-1	training
AGP9_ARATH	53	PVSA PPPVTTS PP	-1	training
AGP9_ARATH	58	PPVTTS PPPVTTA	-1	training
AGP9_ARATH	59	PVTTSP PPVT TAP	-1	training
AGP9_ARATH	60	VTTSP PPVT TAPP	-1	training
AGP9_ARATH	65	PPVT TAPPAN PP	-1	training
AGP9_ARATH	66	PVTTAPPAN PPP	-1	training
AGP9_ARATH	67	VTTAPPAN PPPP	-1	training
AGP9_ARATH	70	APPPAN PPPPVSS	-1	training
AGP9_ARATH	71	PPPAN PPPPVSSP	-1	training
AGP9_ARATH	72	PPAN PPPPVSS PP	-1	training
AGP9_ARATH	73	PAN PPPPVSS PPP	-1	training
AGP9_ARATH	77	PPPVSS PPPAS PP	-1	training
AGP9_ARATH	78	PPVSS PPPAS PPP	-1	training
AGP9_ARATH	79	PVSS PPPAS PPPA	-1	training
AGP9_ARATH	82	S PPPAS PPPAT PP	-1	training
AGP9_ARATH	83	PPPAS PPPAT PPP	-1	training
AGP9_ARATH	84	PPAS PPPAT PPPV	-1	training
AGP9_ARATH	87	S PPPAT PPPVAS P	-1	training
AGP9_ARATH	88	PPPAT PPPVAS PP	-1	training
AGP9_ARATH	89	PPAT PPPVAS PPP	-1	training
AGP9_ARATH	93	PPPVAS PPPPVAS	-1	training
AGP9_ARATH	94	PPVAS PPPPVAS P	-1	training
AGP9_ARATH	95	PVAS PPPPVAS PP	-1	training
AGP9_ARATH	96	VAS PPPPVAS PPP	-1	training
AGP9_ARATH	100	PPPVAS PPPAT PP	-1	training
AGP9_ARATH	101	PPVAS PPPAT PPP	-1	training
AGP9_ARATH	102	PVAS PPPAT PPPV	-1	training
AGP9_ARATH	105	S PPPAT PPPVAT P	-1	training
AGP9_ARATH	111	PPPVAT PPPAPLA	-1	training
AGP9_ARATH	112	PPVAT PPPAPLAS	-1	training
AGP9_ARATH	113	PVAT PPPAPLAS P	-1	training
AGP9_ARATH	115	AT PPPAPLAS PPA	-1	training
AGP9_ARATH	119	PAPLAS PPAQVPA	-1	training
AGP9_ARATH	120	APLAS PPAQVPAP	-1	training
AGP9_ARATH	124	S PPAQVPAPAPT T	-1	training
AGP9_ARATH	126	PAQVPAPAPT T KP	-1	training
AGP9_ARATH	128	QVPAPAPT T KPDS	-1	training
AGP9_ARATH	132	PAPT T KPDS P SPS	-1	training
AGP9_ARATH	135	TT KPDS P SPS P S	-1	training
AGP9_ARATH	137	KPDS P SPS P S S S	-1	training
AGP9_ARATH	139	DS P SPS P S S S P L	-1	training
AGP9_ARATH	143	P S P S S S P L P S S D	-1	training
AGP9_ARATH	144	S P S S S P L P S S D A	-1	training
AGP9_ARATH	146	S S S P L P S S D A P G	-1	training
AGP9_ARATH	151	L P S S D A P G P S T D S	-1	training
AGP9_ARATH	153	S S D A P G P S T D S I S	-1	training

AGP9_ARATH	160	STDSISPAPSPTD	-1	training
AGP9_ARATH	162	DSISPAPSPTDVN	-1	training
AGP9_ARATH	164	ISPAPSPTDVNDQ	-1	training
AGPE_WHEAT	5	XXYAEVPSAAQA	1	training
AGPE_WHEAT	7	YAEVPSAAQAPT	1	training
AGPE_WHEAT	12	SPAAQAPTADXXX	1	training
AMATX_AMAPH	8	WGIGCNPXXXXXX	1	training
BRK_VESMA	4	XXXGRPPGFSPFR	1	training
BRK_VESMA	3	XXXXGRPPGFSPF	-1	training
BRK_VESMA	8	RPPGFSPFRIDXX	-1	training
BRK1_PHYHY;BRK4_PHYAZ	2	XXXXXRPPGFSPF	-1	training
BRK1_PHYHY;BRK4_PHYAZ	7	RPPGFSPFRXXXX	-1	training
BRK1_PHYSA	54	EAPERPPGFTPFR	1	training
BRK1_PHYSA	50	EKKREAPERPPGF	-1	training
BRK1_PHYSA	53	REAPERPPGFTPF	-1	training
BRK1_PHYSA	58	RPPGFTPFRIYXX	-1	training
BRK2_PHYAZ	52	KRFEPVPPGFTPF	1	training
BRK2_PHYAZ	50	EKKRFEVPPGFT	-1	training
BRK2_PHYAZ	53	RFEPVPPGFTPFR	-1	training
BRK2_PHYAZ	57	VPPGFTPFRQTX	-1	training
BRK3_PHYAZ;BRK8_PHYHY	2	XXXXXVPPGFTPF	1	training
BRK3_PHYAZ;BRK8_PHYHY	3	XXXXVPPGFTPFR	-1	training
BRK3_PHYAZ;BRK8_PHYHY	7	VPPGFTPFRQSXX	-1	training
BRK4_PHYAZ;BRK1_PHYHY	3	XXXXRPPGFSPFR	1	training
BRK4_PHYHY	7	VPPGFTPFRXXXX	-1	training
BRK5_PHYHY	3	XXXXRPPGFTPFR	1	training
BRK5_PHYHY	2	XXXXXRPPGFTPF	-1	training
BRK5_PHYHY	7	RPPGFTPFRXXXX	-1	training
BRK6_PHYHY	7	VPPGFTPFRQXXX	-1	training
BRK7_PHYHY	7	VPPGFTPFRVDXX	-1	training
BRKP1_PHYHY	54	ESPDRPPGFSPFR	1	training
BRKP1_PHYHY	50	EKKRESPDRPPGF	-1	training
BRKP1_PHYHY	53	RESPDRPPGFSPF	-1	training
BRKP1_PHYHY	58	RPPGFSPFRIYXX	-1	training
C1QB_HUMAN	35	LSCTGPPAIPGIP	1	training
C1QB_HUMAN	38	TGPPAIPGIPGIP	1	training
C1QB_HUMAN	41	PAIPGIPGIPGTP	1	training
C1QB_HUMAN	53	PGPDGQPGTPGIK	1	training
C1QB_HUMAN	56	DGQPGTPGIKGEK	1	training
C1QB_HUMAN	65	KGEKGLPGLAGDH	1	training
C1QB_HUMAN	83	KGDPGIPGNPGKV	1	training
C1QB_HUMAN	86	PGIPGNPGKVGPK	1	training
C1QB_HUMAN	101	MGPKGGPGAPGAP	1	training
C1QB_HUMAN	104	KGGPGAPGAPGPK	1	training
C1QB_HUMAN	107	PGAPGAPGPKGES	1	training
C1QB_HUMAN	6	XMMMKIPWGSIPV	-1	training
C1QB_HUMAN	11	IPWGSIPVLMILL	-1	training
C1QB_HUMAN	34	QLSCTGPPAIPGI	-1	training
C1QB_HUMAN	44	PGIPGIPGTPGPD	-1	training
C1QB_HUMAN	47	PGIPGTPGPDGQP	-1	training
C1QB_HUMAN	49	IPGTPGPDGQPGT	-1	training
C1QB_HUMAN	80	FGEKGDGIPGNP	-1	training
C1QB_HUMAN	91	NPGKVGPKGPMGP	-1	training
C1QB_HUMAN	94	KVGPKGPMGPKGG	-1	training

C1QB_HUMAN	97	PKGPMGPKGGPGA	-1	training
C1QB_HUMAN	109	APGAPGPKGESGD	-1	training
C1QB_HUMAN	133	TRTINVPLRRDQT	-1	training
C1QB_HUMAN	155	MNNNYEPRSGKFT	-1	training
C1QB_HUMAN	165	KFTCKVPGLYYFT	-1	training
C1QB_HUMAN	249	SGFLLFPDMEAXX	-1	training
C1QC_HUMAN	36	TGCYGIPGMPGLP	1	training
C1QC_HUMAN	39	YGIPGMPGLPGAP	1	training
C1QC_HUMAN	42	PGMPGLPGAPGKD	1	training
C1QC_HUMAN	45	PGLPGAPGKDGYP	1	training
C1QC_HUMAN	54	DGYDGLPGPKGEP	1	training
C1QC_HUMAN	63	KGEPGIPAIPGIR	1	training
C1QC_HUMAN	81	KGEPGLPGHPGKN	1	training
C1QC_HUMAN	93	NGPMGPPGMPGVP	1	training
C1QC_HUMAN	96	MGPPGMPGVPGPM	1	training
C1QC_HUMAN	99	PGMPGVPGPMGIP	1	training
C1QC_HUMAN	105	PGPMGIPGEPGEE	1	training
C1QC_HUMAN	5	XXMDVGPSSLPHL	-1	training
C1QC_HUMAN	9	VGPSSLPHLGLKL	-1	training
C1QC_HUMAN	23	LLLLLLPLRGQAN	-1	training
C1QC_HUMAN	56	YDGLPGPKGEPGI	-1	training
C1QC_HUMAN	60	PGPKGEPGIPAIP	-1	training
C1QC_HUMAN	66	PGIPAIPGIRGPK	-1	training
C1QC_HUMAN	71	IPGIRGPKGQKGE	-1	training
C1QC_HUMAN	78	KGQKGEPGLPGHP	-1	training
C1QC_HUMAN	84	PGLPGHPGKNGPM	-1	training
C1QC_HUMAN	89	HPGKNGPMGPPGM	-1	training
C1QC_HUMAN	92	KNGPMGPPGMPGV	-1	training
C1QC_HUMAN	101	MPGVPGPMGIPGE	-1	training
C1QC_HUMAN	108	MGIPGEPGEEGRY	-1	training
C1QC_HUMAN	131	TRQTHQPPAPNSL	-1	training
C1QC_HUMAN	132	RQTHQPPAPNSLI	-1	training
C1QC_HUMAN	134	THQPPAPNSLIRF	-1	training
C1QC_HUMAN	147	NAVLTNPQGDDYT	-1	training
C1QC_HUMAN	163	KFTCKVPGLYYFV	-1	training
C1QC_HUMAN	244	SGFLLFPDXXXXX	-1	training
C1QT9_MOUSE	31	QGHSGIPGNPGHN	1	training
C1QT9_MOUSE	34	SGIPGNPGHNGLP	1	training
C1QT9_MOUSE	40	PGHNGLPGRDGRD	1	training
C1QT9_MOUSE	58	KGDAGEPGHPGGP	1	training
C1QT9_MOUSE	61	AGEPGHPGGPGKD	1	training
C1QT9_MOUSE	64	PGHPGGPGKDGIR	1	training
C1QT9_MOUSE	76	RGEKGEPGADGRV	1	training
C1QT9_MOUSE	115	TGEQGLPGETGPQ	1	training
C1QT9_MOUSE	151	LGPKGLPGPMGPI	1	training
C1QT9_MOUSE	160	MGPIGKPGPRGEA	1	training
C1QT9_MOUSE	175	MGPQGEPGVRGMR	1	training
C1QT9_MOUSE	91	KGIKGDPSRSGSP	-1	training
C1QT9_MOUSE	97	PSRSGSPKHGPK	-1	training
C1QT9_MOUSE	102	SPGKHGPKGSIGP	-1	training
C1QT9_MOUSE	108	PKGSIGPTGEQGL	-1	training
C1QT9_MOUSE	120	LPGETGPQQQKGD	-1	training
C1QT9_MOUSE	132	DKGEVGPTGPEGL	-1	training
C1QT9_MOUSE	135	EVGPTGPEGLMGS	-1	training

C1QT9_MOUSE	144	LMGSTGPLGPKGL	-1	training
C1QT9_MOUSE	147	STGPLGPKGLPGP	-1	training
C1QT9_MOUSE	153	PKGLPGPMGPIGK	-1	training
C1QT9_MOUSE	156	LPGPMGPIGKPGP	-1	training
C1QT9_MOUSE	162	PIGKPGPRGEAGP	-1	training
C1QT9_MOUSE	168	PRGEAGPMGPQGE	-1	training
C1QT9_MOUSE	171	EAGPMGPQGEPGV	-1	training
C1QT9_MOUSE	197	GKVGEAPLVPKSA	-1	training
C1QT9_MOUSE	200	GEAPLVPKSAFTV	-1	training
C1QT9_MOUSE	215	TVISKFPPPDAPI	-1	training
C1QT9_MOUSE	216	VISKFPPPDAPIK	-1	training
C1QT9_MOUSE	217	ISKFPPPDAPIKF	-1	training
C1QT9_MOUSE	220	FPPPDAPIKFDKI	-1	training
C6A_CONQU	5	XXDQSCPWCGFTC	1	training
C6A_CONQU	14	GFTCCLPNYCQGL	-1	training
C7A_CONTU	10	GRDSRCPPVCCMG	1	training
C7A_CONTU	11	RDSRCPPVCCMGL	1	training
C9A_GEMSP	3	XXXXIDPPRYCNH	1	training
C9A_GEMSP	4	XXXIDPPRYCNHI	1	training
C9B_GEMSP	3	XXXXGDPPRFCRD	1	training
C9B_GEMSP	4	XXXGDPPRFCRDK	1	training
CA1_CONER	46	LTARRDPCCYHPT	1	training
CA1_CONER	51	DPCCYHPTCNMSN	-1	training
CA1_CONER	58	TCNMSNPQICGXX	-1	training
CA1A_CONCN	54	NGRCCHPACGKYY	1	training
CA1A_CONCN	23	TTVVSFSPDSASD	-1	training
CA1A_CONVC	55	RGCCSDPRCNYDH	1	training
CA1A_CONVC	62	RCNYDHPEICGXX	-1	training
CA1AB_CONSP	55	RTCCSRPTCRMEY	1	training
CA1AB_CONSP	62	TCRMEYPELCGGR	-1	training
CA1B_CONPU	3	XXXXQSPGCCWNP	1	training
CA1B_CONPU	9	PGCCWNPACVKNR	-1	training
CA1F_CONRE	7	DYCCRRPPCTLIC	1	training
CA1F_CONRE	8	YCCRRPPCTLICX	1	training
CA4A_CONER	7	GCCGPYPNAACHP	1	training
CA4A_CONER	13	PNAACHPCGCKVG	1	training
CA4A_CONER	21	GCKVGRPPYCDRP	1	training
CA4A_CONER	22	CKVGRPPYCDRPS	1	training
CA4A_CONER	27	PPYCDRPSGGXXX	1	training
CA4A_CONER	5	XXGCCGPYPNAAC	-1	training
CA4A_CONMA	40	VVHERAPELVVTA	1	training
CA4A_CONMA	55	NCCGYNPMTICPP	1	training
CA4A_CONMA	60	NPMTICPPCMCTY	1	training
CA4A_CONMA	61	PMTICPPCMCTYS	1	training
CA4A_CONMA	69	MCTYSCPPKRKPG	1	training
CA4A_CONMA	70	CTYSCPPKRKPGR	1	training
CA4A_CONMA	74	CPPKRKPGRRNDX	1	training
CA4A_CONMA	23	TTVVSIPSDRASD	-1	training
CA4A_CONOB	5	XXCCGVPNAACHP	1	training
CA4A_CONOB	11	PNAACHPCVCKNT	1	training
CA4A_CONPU	7	GCCGSYPNAACHP	1	training
CA4A_CONPU	13	PNAACHPCSKDR	1	training
CA4A_CONPU	20	CSCKDRPSYCGQX	1	training
CA4B_CONER	7	GCCGKYPNAACHP	1	training



CA4B_CONER	13	PNAACHPCGCTVG	1	training
CA4B_CONER	21	GCTVGRPPYCDRP	1	training
CA4B_CONER	22	CTVGRPPYCDRPS	1	training
CA4B_CONOB	5	XXCCGVPNAACPP	1	training
CA4B_CONOB	11	PNAACPPCVCNKT	1	training
CA4B_CONOB	10	VPNAACPPCVCNK	-1	training
CAFF_RIFPA	21	IGPRGPPPGPGSP	1	training
CAFF_RIFPA	24	RGPPGPPGSPGQQ	1	training
CAFF_RIFPA	27	PGPPGSPGQQGYQ	1	training
CAFF_RIFPA	39	QGLRGEPGDSGPM	1	training
CAFF_RIFPA	53	PIGKRGGPGPAGI	1	training
CAFF_RIFPA	54	IGKRGGPGPAGIA	1	training
CAFF_RIFPA	72	DGRDGEPPGPRGGI	1	training
CAFF_RIFPA	90	RGAGGMPGMPGPK	1	training
CAFF_RIFPA	93	GGMPGMPGPKGHR	1	training
CAFF_RIFPA	123	QGPDGGPGPAGPS	1	training
CAFF_RIFPA	128	GPGPAGPSGPIGP	1	training
CAFF_RIFPA	150	DGKSGLPGLRGVD	1	training
CAFF_RIFPA	161	VDGLAGPPGPPGP	1	training
CAFF_RIFPA	162	DGLAGPPGPPGPI	1	training
CAFF_RIFPA	164	LAGPPGPPGPIGS	1	training
CAFF_RIFPA	165	AGPPGPPGPIGST	1	training
CAFF_RIFPA	174	IGSTGSPGFPOTP	1	training
CAFF_RIFPA	177	TGSPGFPGTPGSK	1	training
CAFF_RIFPA	180	PGFPGTPGSKGDR	1	training
CAFF_RIFPA	207	VGLSQPGVAGEN	1	training
CAFF_RIFPA	216	AGENGHPGMPGMD	1	training
CAFF_RIFPA	219	NGHPGMPGMDGAN	1	training
CAFF_RIFPA	228	DGANGEPGASGES	1	training
CAFF_RIFPA	237	SGESGLPGSPGFP	1	training
CAFF_RIFPA	243	PGPSGFPGPRGMP	1	training
CAFF_RIFPA	249	PGPRGMPGTAGSP	1	training
CAFF_RIFPA	255	PGTAGSPGQAGAK	1	training
CAFF_RIFPA	273	TGEQGRPGAPGVK	1	training
CAFF_RIFPA	276	QGRPGAPGVKGSS	1	training
CAFF_RIFPA	285	KGSSGPPGDVGAP	1	training
CAFF_RIFPA	291	PGDVGAPGHAGEA	1	training
CAFF_RIFPA	303	AGKRGSPPGSPGPA	1	training
CAFF_RIFPA	306	RGSPGSPGPAGSP	1	training
CAFF_RIFPA	312	PGPAGSPGPQGDR	1	training
CAFF_RIFPA	321	QGDRGLPGSRGLP	1	training
CAFF_RIFPA	327	PGSRGLPGMTGAS	1	training
CAFF_RIFPA	339	SGAMGIPGEKGPS	1	training
CAFF_RIFPA	348	KGPSGEPPGAKGPT	1	training
CAFF_RIFPA	366	QGNQGTGPIAGLP	1	training
CAFF_RIFPA	372	PGIAGLPGNPGSD	1	training
CAFF_RIFPA	375	AGLPGNPGSDGRP	1	training
CAFF_RIFPA	381	PGSDGRPGKDGRP	1	training
CAFF_RIFPA	387	PGKDGRPGIRGKD	1	training
CAFF_RIFPA	416	LQGRAGPPGARGE	1	training
CAFF_RIFPA	417	QGRAGPPGARGE	1	training
CAFF_RIFPA	423	PGARGEPPGKNGAP	1	training
CAFF_RIFPA	429	PGKNGAPGEPGAH	1	training
CAFF_RIFPA	432	NGAPGEPGAHGEQ	1	training

CAFF_RIFPA	453	TGAAGPPGAAGPT	1	training
CAFF_RIFPA	465	TGARGPPGPRGQQ	1	training
CAFF_RIFPA	483	AGAQTGPGEAGKT	1	training
CAFF_RIFPA	500	AVGATGPSGPAGP	1	training
CAFF_RIFPA	503	ATGPSGPAGPGGE	1	training
CAFF_RIFPA	506	PSGPAGPGGERGA	1	training
CAFF_RIFPA	513	GGERGAPGDRGNV	1	training
CAFF_RIFPA	525	VGPRGMPGERGAT	1	training
CAFF_RIFPA	533	ERGATGPAGPTGS	1	training
CAFF_RIFPA	536	ATGPAGPTGSPGV	1	training
CAFF_RIFPA	540	AGPTGSPGVAGAK	1	training
CAFF_RIFPA	551	AKQGQGGPPGAGL	1	training
CAFF_RIFPA	552	KGQGQGGPPGAGLV	1	training
CAFF_RIFPA	561	AGLVGLPGERGPK	1	training
CAFF_RIFPA	603	RGENGLPGPSGLA	1	training
CAFF_RIFPA	621	RGDMGSPGERGSP	1	training
CAFF_RIFPA	627	PGERGSPGPAGER	1	training
CAFF_RIFPA	645	QGIQQQPGPPGDA	1	training
CAFF_RIFPA	647	IQQQPGPPGDAGP	1	training
CAFF_RIFPA	648	QQQPGPPGDAGPA	1	training
CAFF_RIFPA	663	KGDIGFPGERGR	1	training
CAFF_RIFPA	708	QGEIGLPGSPGQP	1	training
CAFF_RIFPA	711	IGLPGSPGQPGLP	1	training
CAFF_RIFPA	714	PGSPGQPGLPGPS	1	training
CAFF_RIFPA	717	PGQPGLPGPSGQP	1	training
CAFF_RIFPA	723	PGPSGQPGPSGPA	1	training
CAFF_RIFPA	744	KGARGSPGLVGKQ	1	training
CAFF_RIFPA	759	RGSDGEPGRDGTK	1	training
CAFF_RIFPA	773	ERGEDGPPGVSGP	1	training
CAFF_RIFPA	774	RGEDGPPGVSGPT	1	training
CAFF_RIFPA	783	SGPTGAPGQQGER	1	training
CAFF_RIFPA	792	QGERGMPPGMVGLR	1	training
CAFF_RIFPA	815	MKGDGPPPGPSGD	1	training
CAFF_RIFPA	816	KGDGPPPGPSGDR	1	training
CAFF_RIFPA	843	SGQAGAPGQEGAP	1	training
CAFF_RIFPA	849	PGQEGAPGKDGLP	1	training
CAFF_RIFPA	855	PGKDGLPGLAGRP	1	training
CAFF_RIFPA	861	PGLAGRPGERGEP	1	training
CAFF_RIFPA	867	PGERGEPGVAGRA	1	training
CAFF_RIFPA	888	MGQRGLPGAAGPP	1	training
CAFF_RIFPA	894	PGAAGPPGDRGER	1	training
CAFF_RIFPA	903	RGERGEPGGQGVQ	1	training
CAFF_RIFPA	915	QGPVGAPGSQGPA	1	training
CAFF_RIFPA	945	KGWTGLPGLQGLQ	1	training
CAFF_RIFPA	954	QGLQGTGPHSGES	1	training
CAFF_RIFPA	963	SGESGPPGAPGPR	1	training
CAFF_RIFPA	966	SGPPGAPGPRGAR	1	training
CAFF_RIFPA	984	RGSQGPPGKDGGP	1	training
CAFF_RIFPA	990	PGKDGQPGPSGRV	1	training
CAFF_RIFPA	1010	DDGRSGPPGPPGP	1	training
CAFF_RIFPA	1011	DGRSGPPGPPGPP	1	training
CAFF_RIFPA	1013	RSGPPGPPGPPGP	1	training
CAFF_RIFPA	1014	SGPPGPPGPPGPP	1	training
CAFF_RIFPA	1016	PPGPPGPPGPPGN	1	training

CAFF_RIFPA	1017	PGPPGPPGPPGNS	1	training
CAFF_RIFPA	1019	PPGPPGPPGNSDY	1	training
CAFF_RIFPA	1020	PGPPGPPGNSDYG	1	training
CAFF_RIFPA	5	XXYRAGPRYIQAQ	-1	training
CAFF_RIFPA	14	IQAQVGPIGPRGP	-1	training
CAFF_RIFPA	17	QVGPIGPRGPPGP	-1	training
CAFF_RIFPA	20	PIGPRGPPGPPGS	-1	training
CAFF_RIFPA	23	PRGPPGPPGSPGQ	-1	training
CAFF_RIFPA	44	EPGDSGPMGPIGK	-1	training
CAFF_RIFPA	47	DSGPMGPIGKRGP	-1	training
CAFF_RIFPA	56	KRGPPGPAGIAGK	-1	training
CAFF_RIFPA	74	RDGEPGPRGGIGP	-1	training
CAFF_RIFPA	80	PRGGIGPMGPRGA	-1	training
CAFF_RIFPA	83	GIGPMGPRGAGGM	-1	training
CAFF_RIFPA	95	MPGMPGPKGHRGF	-1	training
CAFF_RIFPA	119	KSGNQGPDGGPGP	-1	training
CAFF_RIFPA	125	PDGGPGPAGPSGP	-1	training
CAFF_RIFPA	131	PAGPSGPIGPRGQ	-1	training
CAFF_RIFPA	134	PSGPIGPRGQTGE	-1	training
CAFF_RIFPA	167	PPGPPGPIGSTGS	-1	training
CAFF_RIFPA	200	AQGLQGPVGLSGQ	-1	training
CAFF_RIFPA	239	ESGLPGPSGFPGP	-1	training
CAFF_RIFPA	245	PSGFPGPRGMPGT	-1	training
CAFF_RIFPA	266	AKGDGGPTGEQGR	-1	training
CAFF_RIFPA	284	VKGSSGPPGDVGA	-1	training
CAFF_RIFPA	308	SPGSPGPAGSPGP	-1	training
CAFF_RIFPA	314	PAGSPGPQGDRGL	-1	training
CAFF_RIFPA	344	IPGEKGPSGEPGA	-1	training
CAFF_RIFPA	353	EPGAKGPTGDTGR	-1	training
CAFF_RIFPA	401	KQGEQGPQGPQGL	-1	training
CAFF_RIFPA	404	EQGPQGPQGLAGL	-1	training
CAFF_RIFPA	452	ETGAAGPPGAAGP	-1	training
CAFF_RIFPA	458	PPGAAGPTGARGP	-1	training
CAFF_RIFPA	464	PTGARGPPGPRGQ	-1	training
CAFF_RIFPA	467	ARGPPGPRGQQGF	-1	training
CAFF_RIFPA	521	DRGNVGPRGMPGE	-1	training
CAFF_RIFPA	554	QGGPPGPAGLVGL	-1	training
CAFF_RIFPA	566	LPGERGPKGVGGS	-1	training
CAFF_RIFPA	581	SRGDIGPRGKAGE	-1	training
CAFF_RIFPA	605	ENGLPGPSGLAAS	-1	training
CAFF_RIFPA	629	ERGSPGPAGERGP	-1	training
CAFF_RIFPA	635	PAGERGPAGSQGI	-1	training
CAFF_RIFPA	653	PPGDAGPAGTKGD	-1	training
CAFF_RIFPA	680	KQGARGPRGLAGK	-1	training
CAFF_RIFPA	719	QPGLPGPSGQPGP	-1	training
CAFF_RIFPA	725	PSGQPGPSGPAGT	-1	training
CAFF_RIFPA	728	QPGPSGPAGTAGK	-1	training
CAFF_RIFPA	779	PPGVSGPTGAPGQ	-1	training
CAFF_RIFPA	803	LRGETGPMGGQGM	-1	training
CAFF_RIFPA	818	DGGPPGPSGDRGE	-1	training
CAFF_RIFPA	830	ERNAGPQGPTGP	-1	training
CAFF_RIFPA	833	NAGPQGPTGPSGQ	-1	training
CAFF_RIFPA	836	PQGPTGPSGQAGA	-1	training
CAFF_RIFPA	893	LPGAAGPPGDRGE	-1	training

CAFF_RIFPA	911	GQGVQGPVGAPGS	-1	training
CAFF_RIFPA	920	APGSQGPAGIMGM	-1	training
CAFF_RIFPA	962	HSGESGPPGAPGP	-1	training
CAFF_RIFPA	968	PPGAPGPRGARGE	-1	training
CAFF_RIFPA	983	GRGSQGP PGKDQ	-1	training
CAFF_RIFPA	992	KDQPGPSGRVGP	-1	training
CAFF_RIFPA	998	PSGRVGPRGPSGD	-1	training
CAFF_RIFPA	1001	RVGPRGPSGDDGR	-1	training
CCAA_CONPI	10	IYDAKPPFSCAGL	1	training
CCAA_CONPI	24	GGCVLPPNLRPKF	1	training
CCAA_CONPI	28	LPPNLRPKFKEXX	1	training
CCAA_CONPI	9	GIYDAKPPFSCAG	-1	training
CCAA_CONPI	23	RGGCVLPPNLRPK	-1	training
CDA_CONDE	3	XXXXDCPTRCPTT	1	training
CDA_CONDE	7	DCPTRCPTTCANG	1	training
CDA_CONDE	21	ECCKGYPCVNKAC	1	training
CDK3_CONCE	55	ECQVDTPGSSWGK	1	training
CDK3_CONCE	2	XXXXXMPKLAVVL	-1	training
CDK3_CONCE	15	LVLLILPLSYFDA	-1	training
CDK3_CONCE	93	GHGSCPGXXXXX	-1	training
CDK3_CONMS	55	ECQVNTPGSSWGK	1	training
CDKA_CONVX	55	DCQVSTPGSKWGR	1	training
CDKA_CONVX	70	LNRVCGPMCCPAS	1	training
CDKA_CONVX	74	CGPMCCPASHCYC	1	training
CDKA_CONVX	15	LVLLIFPLSYFIA	-1	training
CDKB_CONVX	59	INTRDSPWGRCR	1	training
CEX_CONCN	2	XXXXXAPWL VPSQ	1	training
CEX_CONCN	17	TCCGYNPGTMCPS	1	training
CEX_CONCN	22	NPGTMCPCSCMCTN	1	training
CEX_CONCN	6	XAPWL VPSQITTC	-1	training
CGA_CONDI	53	EKRGC DPTDGCQT	1	training
CGA_CONDI	68	CETDTGPCCCKPN	1	training
CGA_CONDI	93	CSCSGQPSDCPVX	1	training
CGA_CONDI	97	GQPSDCPVXXXXX	1	training
CGA_CONDI	9	TLGILLPIALLLP	-1	training
CGA_CONDI	15	PIALLPLANPAE	-1	training
CGA_CONDI	19	LLPLANPAENG DG	-1	training
CGA_CONDI	29	GDGQAMPTRNLR	-1	training
CGA_CONDI	73	GPCCCKPNFTCQI	-1	training
CGS_CONGE	10	GRSRCPPQCCMG	1	training
CGS_CONGE	11	RGRSRCPPQCCMGL	1	training
CGS_CONGE	24	RCGRGNPQKCIGA	-1	training
CHI1_TOBAC	67	SQCPGGPTPTPPT	1	training
CHI1_TOBAC	69	CPGGPTPTPPTPP	1	training
CHI1_TOBAC	71	GGPTPTPPTPPGG	1	training
CHI1_TOBAC	72	GPTPTPPTPPGGG	1	training
CHI1_TOBAC	74	TPTPPTPPGGGDL	1	training
CHI1_TOBAC	75	PTPPTPPGGGDLG	1	training
CHI1_TOBAC	36	AGGARCPSGLCCS	-1	training
CHI1_TOBAC	64	NCQSQC PGGPTPT	-1	training
CHI1_TOBAC	256	IIGRWQPSAGDRA	-1	training
CHI2_TOBAC	67	SQCPGGPTPPGGG	1	training
CHI2_TOBAC	69	CPGGPTPPGGGDL	1	training
CHI2_TOBAC	56	TNDYCGPGNCQSQ	-1	training

CHI2_TOBAC	64	NCQSQCPGGPTPP	-1	training
CHI2_TOBAC	70	PGGPTPPGGGDLG	-1	training
CHI2_TOBAC	115	NAARSFPGFGTSG	-1	training
CHI2_TOBAC	149	GGWATAPDGPYAW	-1	training
CHI2_TOBAC	152	ATAPDGPYAWGYC	-1	training
CHI2_TOBAC	166	LREQGSPGDYCTP	-1	training
CHI2_TOBAC	172	PGDYCTPSGQWPC	-1	training
CHI2_TOBAC	177	TPSGQWPCAPGRK	-1	training
CHI2_TOBAC	180	GQWPCAPGRKYFG	-1	training
CHI2_TOBAC	189	KYFGRGPIQISHN	-1	training
CHI2_TOBAC	200	HNYNYPGCGRAIG	-1	training
CHI2_TOBAC	213	VDLLNNPDLVATD	-1	training
CHI2_TOBAC	220	DLVATDPVISFKS	-1	training
CHI2_TOBAC	234	LWFWMTQSPKPS	-1	training
CHI2_TOBAC	237	WMTQSPKPSCHD	-1	training
CHI2_TOBAC	239	TPQSPKPSCHDVI	-1	training
CHI2_TOBAC	251	IIGRWQPSSADRA	-1	training
CHI2_TOBAC	262	RAANRLPGFGVIT	-1	training
CHI2_TOBAC	303	SILGVSPGDNLDC	-1	training
CI1BA_CONRA	2	XXXXXGPSFCKAD	1	training
CI1BA_CONRA	11	CKADEKPCEYHAD	1	training
CI1BA_CONRA	29	LSGICAPSTNWIL	1	training
CI1BA_CONRA	36	STNWILPGCSTSS	-1	training
CI1BC_CONRA	38	RVKNRGPSFCKAD	1	training
CI1BC_CONRA	47	CKADEKPCKYHAD	1	training
CI1BC_CONRA	65	LGGICKPSTSWIG	1	training
CI1BD_CONRA	8	CKKDRKPCSYPHAD	1	training
CI1BD_CONRA	33	STNWILPGCSTST	-1	training
CI2B_CONBE	53	WGGCGHPCRHPGK	1	training
CI2B_CONBE	23	FLNLVVPTSACRA	-1	training
CI2B_CONBE	57	GHPCRHPGKRSKL	-1	training
CKP2_CONPI	3	XXXXDEPEYAEAI	1	training
CKP3_CONPI	3	XXXXGEPEVAKWA	1	training
CM3_CONTE	65	CRFGCTPCCYXXX	1	training
CM3_CONTE	16	ICLLLFPLTAVPM	-1	training
CM3_CONTE	21	FPLTAVPMDGDQP	-1	training
CM3_CONTE	27	PMDGDQPADRPAE	-1	training
CM3_CONTE	45	ISFEQHMFDAIR	-1	training
CM31_CONLT	58	RDECCEPQWCDGA	1	training
CM31_CONLT	16	TFLVLFPPLTTLEL	-1	training
CM31_CONLT	27	ELDTDRPVERHAA	-1	training
CM31_CONLT	40	IKQDLKPQERRGI	-1	training
CM31_CONLT	51	GIRLHAPRDECCE	-1	training
CM3A_CONGE	56	RRDCCTPPKKCKD	1	training
CM3A_CONGE	57	RDCCTPPKKCKDR	1	training
CM3A_CONGE	67	KDRQCKPQRCCAG	1	training
CM3A_CONGE	16	ICLLLFPLTALPM	-1	training
CM3A_CONGE	21	FPLTALPMDGDEP	-1	training
CM3A_CONGE	27	PMDGDEPANRPVE	-1	training
CM3A_CONGE	31	DEPANRPVERMQD	-1	training
CM3A_CONGE	45	ISSEQYPLFEKRR	-1	training
CM3A_CONMR	14	CRFGCVPCCVXXX	1	training
CM3A_CONQU	11	DCLVCIPCCPNXX	1	training
CM3A_CONQU	14	VCIPCCPNXXXXX	-1	training

CM3AB_CONST	8	HGCCGPKGCSSR	1	training
CM3AB_CONST	18	SSRECRPQHCCXX	1	training
CM3B_CONGE	6	XRDCCTPPRKCKD	1	training
CM3B_CONGE	7	RDCCTPPRKCKDR	1	training
CM3B_CONGE	17	KDRRCKPMKCCAX	1	training
CM3B_CONMR	16	CRFGCTPCCWXXX	1	training
CM3B_CONPI	8	RVCCGYPMSCSR	1	training
CM3B_CONPI	18	KSRACKPSYCCXX	1	training
CM3C_CONGE	6	XRDCCTPPKKCKD	1	training
CM3C_CONGE	17	KDRRCKPLKCCAX	1	training
CM3C_CONMR	13	CRLGCRPCCRXXX	1	training
CM3C_CONMR	4	XXXCCAPSACRLG	-1	training
CM3C_CONTE	62	TCFGCTPCCGXXX	1	training
CM3C_CONTE	21	FSLNAVPLDGDQP	-1	training
CM3C_CONTE	27	PLDGDQPADQPAE	-1	training
CM3C_CONTE	31	DQPADQPAERLLD	-1	training
CM3C_CONTE	45	ISFENNPFDPAK	-1	training
CM3C_CONTE	49	NNPFYDPAKRCCR	-1	training
CM3D_CONMR	64	CGLGCHPCCGXXX	1	training
CM3D_CONMR	16	ICLLLFPLTAVPL	-1	training
CM3D_CONMR	21	FPLTAVPLDGDQP	-1	training
CM3D_CONMR	27	PLDGDQPADRPAE	-1	training
CM3D_CONMR	31	DQPADRPAERMQD	-1	training
CM3D_CONMR	45	ISSEHHPFFDPVK	-1	training
CM3D_CONMR	49	HHPFFDPVKRCCR	-1	training
CM3E_CONPU	52	LLERRHPPCCMYG	1	training
CM3E_CONPU	53	LERRHPPCCMYGR	1	training
CM3E_CONPU	64	GRCRRYPGCSSAS	1	training
CM3E_CONPU	16	ICLLFPITALLM	-1	training
CM3E_CONPU	27	LMDGDQPADRPAE	-1	training
CM3E_CONPU	31	DQPADRPAERMDY	-1	training
CM3G_CONMR	55	AVRDCCPLPACPF	1	training
CM3G_CONMR	65	CPFGCNPCCGXXX	1	training
CM3G_CONMR	21	FALTAVPLDGDQP	-1	training
CM3G_CONMR	45	ISSERHPMFDAVR	-1	training
CM3G_CONMR	57	RDCCPLPACPFGC	-1	training
CM3G_CONMR	60	CPLPACPFGCNPC	-1	training
CM3J_CONRA	2	XXXXXLPPCCTPP	1	training
CM3J_CONRA	3	XXXXLPPCCTPPK	1	training
CM3J_CONRA	7	LPPCCTPPKKHCP	1	training
CM3J_CONRA	8	PPCCTPPKKHCPA	1	training
CM3J_CONRA	13	PPKKHCPAPACKY	1	training
CM3J_CONRA	15	KKHCPAPACKYKP	1	training
CM3J_CONRA	21	PACKYKPCCKSXX	1	training
CM7E_CONCN	7	CKGTGKPCSRIAY	1	training
CMCA_CONRE	4	XXXGCCPPQWCGP	1	training
CMCA_CONRE	5	XXGCCPPQWCGPD	1	training
CMCA_CONRE	10	PPQWCGPDCTSPC	1	training
CMCA_CONRE	15	GPDCTSPCCXXX	1	training
CMCE_CONRE	11	RPICTCPCCIGPX	1	training
CMCE_CONRE	6	XKCCMRPICTCPC	-1	training
CMCE_CONRE	16	CPCCIGPXXXXXX	-1	training
CMCH_CONRE	5	XXGCCSPWNCIQL	1	training
CMCH_CONRE	15	IQLRACPCCPNXX	1	training

CMCH_CONRE	18	RACCCPNXXXXX	1	training
CMCK_CONRE	11	RPICMCPCIGAG	1	training
CMCK_CONRE	6	XKCCMRPICMCPC	-1	training
C0161_CONAH	57	RDECFSPGTFCGI	1	training
C0161_CONAH	65	TFCGIKPGLCCSA	1	training
C0161_CONAH	34	GLKDLFPKARHEM	-1	training
C0161_CONAH	43	RHEMKNPEASKLN	-1	training
C0164_CONCL	49	CWLCLGPNACCRG	1	training
C0164_CONCL	28	ADDMEYPKWLRGL	-1	training
C0164_CONCL	63	VCHDYCPRXXXXX	-1	training
C0165_CONAH	55	AGNYCGPTVMKIC	1	training
C0165_CONAH	67	CCGFCSPFSKICM	1	training
C0165_CONAH	76	KICMNYPQNXXXX	-1	training
C016A_CONGE	49	STRCKSPGSSCSP	1	training
C016A_CONGE	55	PGSSCSPTSYNCC	1	training
C016A_CONGE	66	CCRSCNPYTKRCY	1	training
C016A_CONPU	57	KEACYAPGTFCGI	1	training
C016A_CONPU	75	CSEFCLPGVCFGG	-1	training
C016A_CONST	55	CRSSGSPCGVTSI	1	training
C016E_CONST	65	TFCGIHPGLCCSE	1	training
C017A_CONPU	49	STRCRIPNQKCFQ	1	training
C01A1_BRACN	6	XGATGAPGIAGAP	1	training
C01A1_BRACN	12	PGIAGAPGFPGAR	1	training
C01A1_BRACN	15	AGAPGFPGARGPS	1	training
C01A1_BRACN	30	QGPSGAPGPKGVQ	1	training
C01A1_BRACN	39	KGVQGPQGPQGP	1	training
C01A1_BRACN	54	TGPIGPPGPAGAP	1	training
C01A1_BRACN	60	PGPAGAPGDKGEA	1	training
C01A1_BRACN	84	RGSAGPPGATGFP	1	training
C01A1_BRACN	90	PGATGFPGAAGRG	1	training
C01A1_BRACN	107	AGPAGPPGPAGAR	1	training
C01A1_BRACN	20	FPGARGPSGPQGP	-1	training
C01A1_BRACN	23	ARGPSGPQGPSGA	-1	training
C01A1_BRACN	26	PSGPQGPSGAPGP	-1	training
C01A1_BRACN	32	PSGAPGPKGVQGP	-1	training
C01A1_BRACN	38	PKGVQGPQGPQGP	-1	training
C01A1_BRACN	41	VQGPQGPQGPRL	-1	training
C01A1_BRACN	44	PPGPQGPRLTGP	-1	training
C01A1_BRACN	50	PRGLTGPIGPPGP	-1	training
C01A1_BRACN	53	LTGPIGPPGPAGA	-1	training
C01A1_BRACN	56	PIGPPGPAGAPGD	-1	training
C01A1_BRACN	68	DKGEAGPSGPPGP	-1	training
C01A1_BRACN	71	EAGPSGPPGPTGA	-1	training
C01A1_BRACN	72	AGPSGPPGPTGAR	-1	training
C01A1_BRACN	74	PSGPPGPTGARGS	-1	training
C01A1_BRACN	83	ARGSAGPPGATGF	-1	training
C01A1_BRACN	100	GRGETGPAGPAGP	-1	training
C01A1_BRACN	103	ETGPAGPAGPPGP	-1	training
C01A1_BRACN	106	PAGPAGPPGPAGA	-1	training
C01A1_BRACN	109	PAGPPGPAGARXX	-1	training
C01A1_CHICK	179	AGPRGLPGPPGAP	1	training
C01A1_CHICK	182	RGLPGPPGAPGPQ	1	training
C01A1_CHICK	185	PGPPGAPGPQGFQ	1	training
C01A1_CHICK	194	QGFQGPPEPGEPE	1	training

C01A1_CHICK	197	QGPPGEPGEPGAS	1	training
C01A1_CHICK	200	PGEPGEPGASGPM	1	training
C01A1_CHICK	215	RGPAGPPGKNGDD	1	training
C01A1_CHICK	230	AGKPGRPGQRGPP	1	training
C01A1_CHICK	236	PGQRGPPGPQGAR	1	training
C01A1_CHICK	245	QGARGLPGTAGLP	1	training
C01A1_CHICK	251	PGTAGLPGMKGHR	1	training
C01A1_CHICK	269	DGAKGQPGPAGPK	1	training
C01A1_CHICK	278	AGPKGEPGSPGEN	1	training
C01A1_CHICK	281	KGEPGSPGENGAP	1	training
C01A1_CHICK	287	PGENGAPGQMGPR	1	training
C01A1_CHICK	296	MGPRGLPGERGRP	1	training
C01A1_CHICK	302	PGERGRPGPSGPA	1	training
C01A1_CHICK	317	RGNDGAPGAAGPP	1	training
C01A1_CHICK	323	PGAAGPPGPTGPA	1	training
C01A1_CHICK	332	TGPAGPPGFPGAA	1	training
C01A1_CHICK	335	AGPPGFPGAAGAK	1	training
C01A1_CHICK	362	QGSRGEPGPPGPA	1	training
C01A1_CHICK	365	RGEPGPPGPAGAA	1	training
C01A1_CHICK	377	AGPAGNPGADGQP	1	training
C01A1_CHICK	383	PGADGQPGAKGAT	1	training
C01A1_CHICK	392	KGATGAPGIAGAP	1	training
C01A1_CHICK	416	QGPPSGAPGPKGNS	1	training
C01A1_CHICK	425	KGNSGEPGAPGNK	1	training
C01A1_CHICK	428	SGEPGAPGNKGD	1	training
C01A1_CHICK	440	TGAKGEPGPAGVQ	1	training
C01A1_CHICK	449	AGVQGPPGPAGEE	1	training
C01A1_CHICK	464	RGARGEPPGAGLP	1	training
C01A1_CHICK	470	PGPAGLPGPAGER	1	training
C01A1_CHICK	479	AGERGAPGSRGFP	1	training
C01A1_CHICK	485	PGSRGFPGADGIA	1	training
C01A1_CHICK	497	AGPKGPPGERGSP	1	training
C01A1_CHICK	503	PGERGSPGAVGPK	1	training
C01A1_CHICK	512	VGPKGSPGEAGRP	1	training
C01A1_CHICK	518	PGEAGRPGEAGLP	1	training
C01A1_CHICK	524	PGEAGLPGAKGLT	1	training
C01A1_CHICK	533	KGLTGSPGSPGPD	1	training
C01A1_CHICK	536	TGSPGSPGPDGKT	1	training
C01A1_CHICK	545	DGKTGPPGPAGQD	1	training
C01A1_CHICK	554	AGQDGRPGPAGPP	1	training
C01A1_CHICK	560	PGPAGPPGARGQA	1	training
C01A1_CHICK	572	AGVMGFPGPKGAA	1	training
C01A1_CHICK	581	KGAAGEPGKPGER	1	training
C01A1_CHICK	584	AGEPGKPGERGAP	1	training
C01A1_CHICK	590	PGERGAPGPPGAV	1	training
C01A1_CHICK	593	RGAPGPPGAVGAA	1	training
C01A1_CHICK	611	AGAQGPPGPTGPA	1	training
C01A1_CHICK	629	QGPAGAPGFQGLP	1	training
C01A1_CHICK	635	PGFQGLPGPAGPP	1	training
C01A1_CHICK	641	PGPAGPPGEAGKP	1	training
C01A1_CHICK	647	PGEAGKPGEQGV	1	training
C01A1_CHICK	653	PGEQGVPGNAGAP	1	training
C01A1_CHICK	659	PGNAGAPGPAGAR	1	training
C01A1_CHICK	671	RGERGFPGERGVQ	1	training



C01A1_CHICK	680	RGVQGGPPGPQGPR	1	training
C01A1_CHICK	692	RGANGAPGNDGAK	1	training
C01A1_CHICK	704	KGDAGAPGAPGNE	1	training
C01A1_CHICK	707	AGAPGAPGNEGPP	1	training
C01A1_CHICK	713	PGNEGPPGLEMP	1	training
C01A1_CHICK	719	PGLEGMPGERGAA	1	training
C01A1_CHICK	728	RGAAGLPGAKGDR	1	training
C01A1_CHICK	737	KGDRGDPPGPKGAD	1	training
C01A1_CHICK	746	KGADGAPGKDGLR	1	training
C01A1_CHICK	776	KGEAGPPGPAGPT	1	training
C01A1_CHICK	788	TGARGAPGDRGEP	1	training
C01A1_CHICK	794	PGDRGEPGPPGPA	1	training
C01A1_CHICK	797	RGEPGPPGPAGFA	1	training
C01A1_CHICK	806	AGFAGPPGADGQP	1	training
C01A1_CHICK	812	PGADGQPGAKGET	1	training
C01A1_CHICK	830	KGDAGPPGPAGPT	1	training
C01A1_CHICK	839	AGPTGAPGPAGEV	1	training
C01A1_CHICK	848	AGEVGAPGPKGAR	1	training
C01A1_CHICK	866	PGATGFPGAAGRV	1	training
C01A1_CHICK	875	AGRVGPPGPGSGNI	1	training
C01A1_CHICK	884	SGNIGLPGPPGPA	1	training
C01A1_CHICK	887	IGLPGPPGPAGKE	1	training
C01A1_CHICK	908	TGPAGRPGEPPGA	1	training
C01A1_CHICK	911	AGRPGEPPGAGPP	1	training
C01A1_CHICK	917	PGPAGPPGPPGEK	1	training
C01A1_CHICK	920	AGPPGPPGEKGGSP	1	training
C01A1_CHICK	926	PGEKGGSPGADGPI	1	training
C01A1_CHICK	935	DGPIGAPGTPGPQ	1	training
C01A1_CHICK	953	RGVVGLPGQRGER	1	training
C01A1_CHICK	962	RGERGFPLPGPS	1	training
C01A1_CHICK	965	RGFPGLPGPSGEP	1	training
C01A1_CHICK	971	PGPSGEPGKQGPS	1	training
C01A1_CHICK	986	SGERGPPGPMGPP	1	training
C01A1_CHICK	992	PGPMGPPGLAGPP	1	training
C01A1_CHICK	998	PGLAGPPGEAGRE	1	training
C01A1_CHICK	1007	AGREGAPGAEGAP	1	training
C01A1_CHICK	1013	PGAEGAPGRDGAA	1	training
C01A1_CHICK	1034	TGPAGPPGAPGAP	1	training
C01A1_CHICK	1037	AGPPGAPGAPGAP	1	training
C01A1_CHICK	1040	PGAPGAPGAPGPV	1	training
C01A1_CHICK	1109	SGLQGPPGPPGAP	1	training
C01A1_CHICK	1112	QGPPGPPGAPGEQ	1	training
C01A1_CHICK	1115	PGPPGAPGEQGPS	1	training
C01A1_CHICK	1133	AGPRGPPGSAGAA	1	training
C01A1_CHICK	1148	DGLNGLPGPIGPP	1	training
C01A1_CHICK	1153	LPGPIGPPGPRGR	1	training
C01A1_CHICK	1154	PGPIGPPGPRGRT	1	training
C01A1_CHICK	1169	VGPVGP GPPGPP	1	training
C01A1_CHICK	1172	VGPPGPPGPPGPP	1	training
C01A1_CHICK	1175	PGPPGPPGPPGPP	1	training
C01A1_CHICK	1178	PGPPGPPGPPSGG	1	training
C01A1_CHICK	48	DKDVWKPEPCQIC	-1	training
C01A1_CHICK	50	DVWKPEPCQICVC	-1	training
C01A1_CHICK	75	EDTSDCPNAEIPF	-1	training

C01A1_CHICK	80	CPNAEIPFGECCP	-1	training
C01A1_CHICK	86	PFGECCPICPDVD	-1	training
C01A1_CHICK	89	ECCPICPDVDASP	-1	training
C01A1_CHICK	95	PDVDASPVYPESA	-1	training
C01A1_CHICK	98	DASPVYPESAGVE	-1	training
C01A1_CHICK	106	SAGVEGPKGDTGP	-1	training
C01A1_CHICK	112	PKGDTGPRGDRGL	-1	training
C01A1_CHICK	119	RGDRGLPGPPGRD	-1	training
C01A1_CHICK	121	DRGLPGPPGRDGI	-1	training
C01A1_CHICK	122	RGLPGPPGRDGIP	-1	training
C01A1_CHICK	128	PGRDGIPGQPGLP	-1	training
C01A1_CHICK	131	DGIPGQPGLPGPP	-1	training
C01A1_CHICK	134	PGQPGLPGPPGPP	-1	training
C01A1_CHICK	136	QPGLPGPPGPPGP	-1	training
C01A1_CHICK	137	PGLPGPPGPPGPP	-1	training
C01A1_CHICK	139	LPGPPGPPGPPGL	-1	training
C01A1_CHICK	140	PGPPGPPGPPGLG	-1	training
C01A1_CHICK	142	PPGPPGPPGLGNN	-1	training
C01A1_CHICK	143	PGPPGPPGLGNNF	-1	training
C01A1_CHICK	151	LGNNFAPQMSYGY	-1	training
C01A1_CHICK	167	SAGVAVPGPMGPA	-1	training
C01A1_CHICK	169	GVAVPGPMGPAGP	-1	training
C01A1_CHICK	172	VPGPMGPAGPRGL	-1	training
C01A1_CHICK	175	PMGPAGPRGLPGP	-1	training
C01A1_CHICK	181	PRGLPGPPGAPGP	-1	training
C01A1_CHICK	187	PPGAPGPQGFGQP	-1	training
C01A1_CHICK	193	PQGFQGPPEPGE	-1	training
C01A1_CHICK	205	EPGASGPMGPRGP	-1	training
C01A1_CHICK	208	ASGPMGPRGPAGP	-1	training
C01A1_CHICK	211	PMGPRGPAGPPGK	-1	training
C01A1_CHICK	214	PRGPAGPPGKNGD	-1	training
C01A1_CHICK	227	DGEAGKPRPGQR	-1	training
C01A1_CHICK	235	RPGQRGPPGPQGA	-1	training
C01A1_CHICK	238	QRGPPGPQGARGL	-1	training
C01A1_CHICK	271	AKGQPGPAGPKGE	-1	training
C01A1_CHICK	274	QPGPAGPKGEPGS	-1	training
C01A1_CHICK	292	APGQMGRPLPGE	-1	training
C01A1_CHICK	304	ERGRPGPSGPAGA	-1	training
C01A1_CHICK	307	RPGPSGPAGARGN	-1	training
C01A1_CHICK	322	APGAAGPPGPTGP	-1	training
C01A1_CHICK	325	AAGPPGPTGPAGP	-1	training
C01A1_CHICK	328	PPGPTGPAGPPGF	-1	training
C01A1_CHICK	331	PTGPAGPPGFPGA	-1	training
C01A1_CHICK	346	AKGETGPQGARGS	-1	training
C01A1_CHICK	355	ARGSEGPQSGRGE	-1	training
C01A1_CHICK	364	SRGEPGPPGPAGA	-1	training
C01A1_CHICK	367	EPGPPGPAGAAGP	-1	training
C01A1_CHICK	373	PAGAAGPAGNPGA	-1	training
C01A1_CHICK	418	PSGAPGPKGNSGE	-1	training
C01A1_CHICK	442	AKGEPGPAGVQGP	-1	training
C01A1_CHICK	448	PAGVQGPMPGAGE	-1	training
C01A1_CHICK	451	VQGPPGPAGEEGK	-1	training
C01A1_CHICK	466	ARGEPPGAGLPGP	-1	training
C01A1_CHICK	472	PAGLPGPAGERGA	-1	training

C01A1_CHICK	493	ADGIAGPKGPPGE	-1	training
C01A1_CHICK	496	IAGPKGPPGERGS	-1	training
C01A1_CHICK	508	SPGAVGPKGSPGE	-1	training
C01A1_CHICK	538	SPGSPGPDGKTGP	-1	training
C01A1_CHICK	544	PDGKTGPPGPAGQ	-1	training
C01A1_CHICK	547	KTGPPGPAGQDGR	-1	training
C01A1_CHICK	556	QDGRPGPAGPPGA	-1	training
C01A1_CHICK	559	RPGPAGPPGARGQ	-1	training
C01A1_CHICK	574	VMGFPGPKGAAGE	-1	training
C01A1_CHICK	592	ERGAPPPGAVGA	-1	training
C01A1_CHICK	610	EAGAQQPPGPTGP	-1	training
C01A1_CHICK	613	AQGPPGPTGPAGE	-1	training
C01A1_CHICK	616	PPGPTGPAGERGE	-1	training
C01A1_CHICK	625	ERGEQGPAGAPGF	-1	training
C01A1_CHICK	637	FQGLPGPAGPPGE	-1	training
C01A1_CHICK	640	LPGPAGPPGEAGK	-1	training
C01A1_CHICK	661	NAGAPGPAGARGE	-1	training
C01A1_CHICK	679	ERGVQGGPPGQGP	-1	training
C01A1_CHICK	682	VQGPPGPQGPRGA	-1	training
C01A1_CHICK	685	PPGPQGPRGANGA	-1	training
C01A1_CHICK	712	APGNEGPPGLEGM	-1	training
C01A1_CHICK	739	DRGDPGPKGADGA	-1	training
C01A1_CHICK	757	LRGLTGPIGPPGP	-1	training
C01A1_CHICK	775	DKGEAGPPGPAGP	-1	training
C01A1_CHICK	778	EAGPPGPAGPTGA	-1	training
C01A1_CHICK	781	PPGPAGPTGARGA	-1	training
C01A1_CHICK	796	DRGEPPPGPAGF	-1	training
C01A1_CHICK	799	EPGPPGPAGFAGP	-1	training
C01A1_CHICK	829	AKGDAGPPGPAGP	-1	training
C01A1_CHICK	832	DAGPPGPAGPTGA	-1	training
C01A1_CHICK	835	PPGPAGPTGAPGP	-1	training
C01A1_CHICK	841	PTGAPGPAGEVGA	-1	training
C01A1_CHICK	850	EVGAPGPKGARGS	-1	training
C01A1_CHICK	874	AAGRVGPPGPSGN	-1	training
C01A1_CHICK	877	RVGPPGPSGNIGL	-1	training
C01A1_CHICK	886	NIGLPGPPGPAGK	-1	training
C01A1_CHICK	889	LPGPPGPAGKEGS	-1	training
C01A1_CHICK	898	KEGSKGPRGETGP	-1	training
C01A1_CHICK	904	PRGETGPAGRPGE	-1	training
C01A1_CHICK	913	RPGEPPGAGPPGP	-1	training
C01A1_CHICK	916	EPGPAGPPGPPGE	-1	training
C01A1_CHICK	919	PAGPPGPPGEKGS	-1	training
C01A1_CHICK	931	SPGADGPIGAPGT	-1	training
C01A1_CHICK	938	IGAPGTGPGQGIA	-1	training
C01A1_CHICK	940	APGTGPGQGIAGQ	-1	training
C01A1_CHICK	967	FPGLPGPSGEPGK	-1	training
C01A1_CHICK	976	EPGKQGPSGASGE	-1	training
C01A1_CHICK	985	ASGERGPPGPMGP	-1	training
C01A1_CHICK	988	ERGPPGPMGPPGL	-1	training
C01A1_CHICK	991	PPGPMGPPGLAGP	-1	training
C01A1_CHICK	997	PPGLAGPPGEAGR	-1	training
C01A1_CHICK	1021	RDGAAGPKGDRGE	-1	training
C01A1_CHICK	1030	DRGETGPAGPPGA	-1	training
C01A1_CHICK	1033	ETGPAGPPGAPGA	-1	training

C01A1_CHICK	1043	PGAPGAPGPVGPA	-1	training
C01A1_CHICK	1045	APGAPGPVGPAGK	-1	training
C01A1_CHICK	1048	APGPVGPAGKNGD	-1	training
C01A1_CHICK	1060	DRGETGPAGPAGP	-1	training
C01A1_CHICK	1069	PAGPPGPAGARGP	-1	training
C01A1_CHICK	1075	PAGARGPAGPQGP	-1	training
C01A1_CHICK	1078	ARGPAGPQGPRGD	-1	training
C01A1_CHICK	1081	PAGPQGPRGDKGE	-1	training
C01A1_CHICK	1108	FSGLQGPPGPPGA	-1	training
C01A1_CHICK	1111	LQGPPGPPGAPGE	-1	training
C01A1_CHICK	1120	APGEQGPSGASGP	-1	training
C01A1_CHICK	1126	PSGASGPAGPRGP	-1	training
C01A1_CHICK	1129	ASGPAGPRGPPGS	-1	training
C01A1_CHICK	1132	PAGPRGPPGSAGA	-1	training
C01A1_CHICK	1150	LNGLPGPIGPPGP	-1	training
C01A1_CHICK	1156	PIGPPGPRGRTGE	-1	training
C01A1_CHICK	1165	RTGEVGPVGP PGP	-1	training
C01A1_CHICK	1168	EVGPVGP PGP PGP	-1	training
C01A1_CHICK	1171	PVGP PGP PGP PGP	-1	training
C01A1_CHICK	1174	PPGP PGP PGP PGP	-1	training
C01A1_CHICK	1177	PPGP PGP PGP PGP	-1	training
C01A1_CHICK	1180	PPGP PGP PGP PGP	-1	training
C01A1_CHICK	1181	PGPPGP PGP PGP	-1	training
C01A1_CHICK	1191	FDLSFLPQPPQEK	-1	training
C01A1_CHICK	1193	LSFLPQPPQEKAH	-1	training
C01A1_CHICK	1194	SFLPQPPQEK AHD	-1	training
C01A1_CHICK	1237	IENIRSPEGTRKN	-1	training
C01A1_CHICK	1244	EGTRKNPARTCRD	-1	training
C01A1_CHICK	1267	GEYWIDPNQGCNL	-1	training
C01A1_CHICK	1291	GETCVYPTQATIA	-1	training
C01A1_CHICK	1307	WYLSKNPKEKKHV	-1	training
C01A1_CHICK	1334	GGEGSNPADVAIQ	-1	training
C01A1_CHICK	1427	TKTSRLPIIDLAP	-1	training
C01A1_CHICK	1433	PIIDLAPMDVGAP	-1	training
C01A1_CHICK	1439	PMDVGAPDQEFGI	-1	training
C01A1_CHICK	1449	FGIDIGPVCFLXX	-1	training
C01A1_MAMAE	173	TGAAGPPGPTGPA	1	training
C01A1_MAMAE	182	TGPAGPPGFP GAV	1	training
C01A1_MAMAE	185	AGPPGFP GAVGAK	1	training
C01A1_MAMAE	212	QGV RGEPPGP GPA	1	training
C01A1_MAMAE	242	KGANGAPGIAGAP	1	training
C01A1_MAMAE	251	AGAPGFPGARGPA	1	training
C01A1_MAMAE	290	AGAKGEPGPIGIQ	1	training
C01A1_MAMAE	292	AKGEPGPIGIQGP	1	training
C01A1_MAMAE	299	IGIQGPPGPAGEE	1	training
C01A1_MAMAE	314	RGARGEPTGLP	1	training
C01A1_MAMAE	320	PGPTGLPGPPGER	1	training
C01A1_MAMAE	323	TGLPGPPGERGGP	1	training
C01A1_MAMAE	335	PGSRGFPGADGVA	1	training
C01A1_MAMAE	362	AGPKGSPGEAGRP	1	training
C01A1_MAMAE	530	RGVQGP PGPAGPR	1	training
C01A1_MAMAE	758	TGPAGRPGEVGPP	1	training
C01A1_MAMAE	764	PGEVGPPGP PGP	1	training
C01A1_MAMAE	767	VGPPGP PGPAGEK	1	training

C01A1_MAMAE	863	PGAEGSPGRDGSP	1	training
C01A1_MAMAE	869	PGRDGSPGPKGDR	1	training
C01A1_MAMAE	887	SGPPGAPGAPGAP	1	training
C01A1_MAMAE	959	SGLQGPPGPPGSP	1	training
C01A1_MAMAE	962	QGPPGPPGSPGEQ	1	training
C01A1_MAMAE	965	PGPPGSPGEQGPS	1	training
C01A1_MAMAE	998	DGLNGLPGPPGPP	1	training
C01A1_MAMAE	1001	NGLPGPPGPPGPR	1	training
C01A1_MAMAE	1004	PGPPGPPGPRGRT	1	training
C01A1_MAMAE	17	AGGISVPGPMGPS	-1	training
C01A1_MAMAE	19	GISVPGPMGPSGP	-1	training
C01A1_MAMAE	22	VPGPMGPSGPRGL	-1	training
C01A1_MAMAE	25	PMGPSGPRGLPGP	-1	training
C01A1_MAMAE	29	SGPRGLPGPPGAP	-1	training
C01A1_MAMAE	58	ASGPMGPRGPPGP	-1	training
C01A1_MAMAE	61	PMGPRGPPGPPGK	-1	training
C01A1_MAMAE	62	MGPRGPPGPPGKN	-1	training
C01A1_MAMAE	64	PRGPPGPPGKNGD	-1	training
C01A1_MAMAE	65	RGPPGPPGKNGDD	-1	training
C01A1_MAMAE	77	DGEAGKPRPGER	-1	training
C01A1_MAMAE	80	AGKPGRPGERGPP	-1	training
C01A1_MAMAE	85	RPGERGPPGPQGA	-1	training
C01A1_MAMAE	86	PGERGPPGPQGAR	-1	training
C01A1_MAMAE	88	ERGPPGPQGARGL	-1	training
C01A1_MAMAE	121	AKGDAGPAGPKGE	-1	training
C01A1_MAMAE	124	DAGPAGPKGEPPS	-1	training
C01A1_MAMAE	152	PGERGRPGAPGPA	-1	training
C01A1_MAMAE	155	RGRPGAPGPAGAR	-1	training
C01A1_MAMAE	157	RPGAPGPAGARGN	-1	training
C01A1_MAMAE	172	ATGAAGPPGPTGP	-1	training
C01A1_MAMAE	196	AKGEAGPQGARGS	-1	training
C01A1_MAMAE	205	ARGSEGPQGVIGE	-1	training
C01A1_MAMAE	214	VRGEPPGPPGAGA	-1	training
C01A1_MAMAE	233	PGADGQPGAKGAN	-1	training
C01A1_MAMAE	256	FPGARGPAGPQGP	-1	training
C01A1_MAMAE	259	ARGPAGPQGPPGA	-1	training
C01A1_MAMAE	262	PAGPQGPPGAPGP	-1	training
C01A1_MAMAE	275	KGNSEGPAGPSK	-1	training
C01A1_MAMAE	278	SGEPGAPGSKGDA	-1	training
C01A1_MAMAE	298	PIGIQPPGPAGE	-1	training
C01A1_MAMAE	301	IQGPPGPAGEEGK	-1	training
C01A1_MAMAE	316	ARGEPPGPTGLPGP	-1	training
C01A1_MAMAE	322	PTGLPGPPGERGG	-1	training
C01A1_MAMAE	329	PGERGGPGSRGFP	-1	training
C01A1_MAMAE	343	ADGVAGPKGPAGE	-1	training
C01A1_MAMAE	346	VAGPKGPAGERGS	-1	training
C01A1_MAMAE	353	AGERGSPGPAGPK	-1	training
C01A1_MAMAE	355	ERGSPGPAGPKGS	-1	training
C01A1_MAMAE	358	SPGPAGPKGSPGE	-1	training
C01A1_MAMAE	404	AGQDGRPGPPGPP	-1	training
C01A1_MAMAE	406	QDGRPGPPGPPGA	-1	training
C01A1_MAMAE	407	DGRPGPPGPPGAR	-1	training
C01A1_MAMAE	409	RPGPPGPPGARGQ	-1	training
C01A1_MAMAE	410	PGPPGPPGARGQA	-1	training

C01A1_MAMAE	431	KGAAGEPGKAGER	-1	training
C01A1_MAMAE	440	AGERGVPGPPGAV	-1	training
C01A1_MAMAE	442	ERGVPGPPGAVGA	-1	training
C01A1_MAMAE	443	RGVPGPPGAVGAA	-1	training
C01A1_MAMAE	460	EAGAQGPPGPAGP	-1	training
C01A1_MAMAE	461	AGAQGPPGPAGPA	-1	training
C01A1_MAMAE	463	AQGPPGPAGPAGE	-1	training
C01A1_MAMAE	466	PPGPAGPAGERGE	-1	training
C01A1_MAMAE	475	ERGEQGPGAGSPGF	-1	training
C01A1_MAMAE	479	QGPAGSPGFQGLP	-1	training
C01A1_MAMAE	503	PGEQGVPGDLGAP	-1	training
C01A1_MAMAE	509	PGDLGAPGPSGAR	-1	training
C01A1_MAMAE	511	DLGAPGPSGARGE	-1	training
C01A1_MAMAE	529	ERGVQGPPGPAGP	-1	training
C01A1_MAMAE	532	VQGPPGPAGPRGS	-1	training
C01A1_MAMAE	535	PPGPAGPRGSNGA	-1	training
C01A1_MAMAE	542	RGSNGAPGNDGAK	-1	training
C01A1_MAMAE	554	KGDAGAPGAPGSQ	-1	training
C01A1_MAMAE	557	AGAPGAPGSQGAP	-1	training
C01A1_MAMAE	563	PGSQGAPGLQGMP	-1	training
C01A1_MAMAE	569	PGLQGMPGERGAA	-1	training
C01A1_MAMAE	578	RGAAGLPGPKGDR	-1	training
C01A1_MAMAE	580	AAGLPGPKGDRGD	-1	training
C01A1_MAMAE	589	DRGDAGPKGADGS	-1	training
C01A1_MAMAE	596	KGADGSPGKDGPR	-1	training
C01A1_MAMAE	601	SPGKDGPRGLTGP	-1	training
C01A1_MAMAE	625	DKGEAGPSGPAGP	-1	training
C01A1_MAMAE	628	EAGPSGPAGPTGA	-1	training
C01A1_MAMAE	631	PSGPAGPTGARGA	-1	training
C01A1_MAMAE	662	PGADGQPGAKGEP	-1	training
C01A1_MAMAE	668	PGAKGEPGDAGAK	-1	training
C01A1_MAMAE	689	AGPTGAPGPIGNV	-1	training
C01A1_MAMAE	691	PTGAPGPIGNVGA	-1	training
C01A1_MAMAE	698	IGNVGAPGAKGAR	-1	training
C01A1_MAMAE	725	AGRVGPPGPSGNA	-1	training
C01A1_MAMAE	727	RVGPPGPSGNAGP	-1	training
C01A1_MAMAE	733	PSGNAGPPGPPGP	-1	training
C01A1_MAMAE	734	SGNAGPPGPPGPA	-1	training
C01A1_MAMAE	736	NAGPPGPPGPAGK	-1	training
C01A1_MAMAE	737	AGPPGPPGPAGKE	-1	training
C01A1_MAMAE	739	PPGPPGPAGKEGG	-1	training
C01A1_MAMAE	748	KEGGKGPRGETGP	-1	training
C01A1_MAMAE	763	RPGEVGPPGPPGP	-1	training
C01A1_MAMAE	766	EVGPPGPPGPAGE	-1	training
C01A1_MAMAE	769	PPGPPGPAGEKGS	-1	training
C01A1_MAMAE	776	AGEKGSPGADGPA	-1	training
C01A1_MAMAE	781	SPGADGPAGAPGT	-1	training
C01A1_MAMAE	785	DGPAGAPGTPGPQ	-1	training
C01A1_MAMAE	788	AGAPGTPGPQGIG	-1	training
C01A1_MAMAE	790	APGTPGPQGIGGQ	-1	training
C01A1_MAMAE	826	EPGKQGPSGSSGE	-1	training
C01A1_MAMAE	835	SSGERGPPGPAGP	-1	training
C01A1_MAMAE	836	SGERGPPGPAGPP	-1	training
C01A1_MAMAE	838	ERGPPGPAGPPGL	-1	training

C01A1_MAMAE	841	PPGPAGPPGLAGP	-1	training
C01A1_MAMAE	842	PGPAGPPGLAGPP	-1	training
C01A1_MAMAE	847	PPGLAGPPGESGR	-1	training
C01A1_MAMAE	848	PGLAGPPGESGRE	-1	training
C01A1_MAMAE	857	SGREGAPGAEGSP	-1	training
C01A1_MAMAE	871	RDGSPGPKGDRGE	-1	training
C01A1_MAMAE	880	DRGETGPSGPPGA	-1	training
C01A1_MAMAE	883	ETGPSGPPGAPGA	-1	training
C01A1_MAMAE	884	TGPSGPPGAPGAP	-1	training
C01A1_MAMAE	898	APGPVGPAGKSGD	-1	training
C01A1_MAMAE	913	ETGPAGPAGPAGP	-1	training
C01A1_MAMAE	916	PAGPAGPAGPAGV	-1	training
C01A1_MAMAE	919	PAGPAGPAGVRGP	-1	training
C01A1_MAMAE	925	PAGVRGPAGPQGP	-1	training
C01A1_MAMAE	928	VRGPAGPQGPRGD	-1	training
C01A1_MAMAE	958	FSGLQPPGPPGS	-1	training
C01A1_MAMAE	961	LQGP GPPGSPGE	-1	training
C01A1_MAMAE	970	SPGEQGPSGASGP	-1	training
C01A1_MAMAE	983	AGPRGPPGSAGAP	-1	training
C01A1_MAMAE	989	PGSAGAPGKDGLN	-1	training
C01A1_MAMAE	1000	LNGLPGPPGPPGP	-1	training
C01A1_MAMAE	1003	LPGPPGPPGPRGR	-1	training
C01A1_MAMAE	1006	PPGPPGPRGRTGD	-1	training
C01A1_MAMAE	1015	RTGDAGPVGPPGP	-1	training
C01A1_MAMAE	1018	DAGPVGPPGPPGP	-1	training
C01A1_MAMAE	1019	AGPVGPPGPPGPP	-1	training
C01A1_MAMAE	1028	PGPPGPPGPPSGA	-1	training
C01A1_MAMAE	1030	PPGPPGPPSGAFD	-1	training
C01A1_MAMAE	1031	PGPPGPPSGAFDF	-1	training
C01A1_MAMAE	1041	FDFSFLPQPPQEK	-1	training
C01A1_MAMAE	1043	FSFLPQPPQEKAH	-1	training
C01A2_BRACN	6	XGSNGEPGSAGPP	1	training
C01A2_BRACN	12	PGSAGPPGPAGLR	1	training
C01A2_BRACN	33	VGPAGPPGSRXXX	1	training
C01A2_BRACN	11	EPGSAGPPGPAGL	-1	training
C01A2_BRACN	14	SAGPPGPAGLRGL	-1	training
C01A2_BRACN	21	AGLRGLPGESGAV	-1	training
C01A2_BRACN	29	ESGAVGPAGPPGS	-1	training
C01A2_BRACN	32	AVGPAGPPGSRXX	-1	training
C01A2_CHICK	439	NGDAGRPGEPGLM	1	training
C01A2_CHICK	442	AGRPGEPLMGPR	1	training
C01A2_CHICK	35	SAGRKGPRGDKGP	-1	training
C01A2_CHICK	41	PRGDKGPQGERGP	-1	training
C01A2_CHICK	47	PQGERGPPGPPGR	-1	training
C01A2_CHICK	48	QGERGPPGPPGRD	-1	training
C01A2_CHICK	50	ERGPPGPPGRDGE	-1	training
C01A2_CHICK	51	RGPPGPPGRDGED	-1	training
C01A2_CHICK	59	RDGEDGPPGPPGP	-1	training
C01A2_CHICK	60	DGEDGPPGPPGPP	-1	training
C01A2_CHICK	62	EDGPPGPPGPPGP	-1	training
C01A2_CHICK	63	DGPPGPPGPPGPP	-1	training
C01A2_CHICK	65	PPGPPGPPGPPGL	-1	training
C01A2_CHICK	81	FAAQYDPSKAADF	-1	training
C01A2_CHICK	89	KAADFPGPMGLM	-1	training

C01A2_CHICK	91	ADFGPGPMGLMGP	-1	training
C01A2_CHICK	97	PMGLMGPRGPPGA	-1	training
C01A2_CHICK	100	LMGPRGPPGASGP	-1	training
C01A2_CHICK	101	MGPRGPPGASGPP	-1	training
C01A2_CHICK	106	PPGASGPPGPPGF	-1	training
C01A2_CHICK	107	PGASGPPGPPGFQ	-1	training
C01A2_CHICK	109	ASGPPGPPGFQGV	-1	training
C01A2_CHICK	110	SGPPGPPGFQGV	-1	training
C01A2_CHICK	116	PGFQGVPGEPGEP	-1	training
C01A2_CHICK	119	QGVPGEPGEPGQT	-1	training
C01A2_CHICK	122	PGEPGEPGQTGPQ	-1	training
C01A2_CHICK	127	EPGQTGPQGPRGP	-1	training
C01A2_CHICK	130	QTGPQGPRGPPGP	-1	training
C01A2_CHICK	133	PQGPRGPPGPPGK	-1	training
C01A2_CHICK	134	QGPRGPPGPPGKA	-1	training
C01A2_CHICK	136	PRGPPGPPGKAGE	-1	training
C01A2_CHICK	137	RGPPGPPGKAGED	-1	training
C01A2_CHICK	146	AGEDGHPGKPRGP	-1	training
C01A2_CHICK	149	DGHPGKPRPGER	-1	training
C01A2_CHICK	152	PGKPRPGERGVA	-1	training
C01A2_CHICK	160	ERGAGPQGARGF	-1	training
C01A2_CHICK	167	QGARGFPGTPGPP	-1	training
C01A2_CHICK	170	RGFPGTGPPGFK	-1	training
C01A2_CHICK	172	FPGTGPPGFKGI	-1	training
C01A2_CHICK	173	PGTPGPPGFKGIR	-1	training
C01A2_CHICK	191	DGLTGQPGAPGTK	-1	training
C01A2_CHICK	194	TGQPGAPGTKGEP	-1	training
C01A2_CHICK	200	PGTKGEPGAPGEN	-1	training
C01A2_CHICK	203	KGEPGAPGENGTP	-1	training
C01A2_CHICK	209	PGENGTPGQPGAR	-1	training
C01A2_CHICK	212	NGTPGQPGARGLP	-1	training
C01A2_CHICK	218	PGARGLPGERGRI	-1	training
C01A2_CHICK	227	RGRIGAPGPAGAR	-1	training
C01A2_CHICK	229	RIGAPGPAGARGS	-1	training
C01A2_CHICK	241	SDGSAGPTGPAXX	-1	training
C01A2_CHICK	244	SAGPTGPAXXXXX	-1	training
C01A2_CHICK	267	XXGEIGPAGNEGP	-1	training
C01A2_CHICK	273	PAGNEGPTGPAGP	-1	training
C01A2_CHICK	276	NEGPTGPAGPRGE	-1	training
C01A2_CHICK	279	PTGPAGPRGEIGL	-1	training
C01A2_CHICK	286	RGEIGLPGSSGPV	-1	training
C01A2_CHICK	291	LPGSSGPVGPPGN	-1	training
C01A2_CHICK	294	SSGPVGPPGNPGA	-1	training
C01A2_CHICK	295	SGPVGPPGNPGAN	-1	training
C01A2_CHICK	298	VGPPGNPGANGLP	-1	training
C01A2_CHICK	304	PGANGLPGAAGAA	-1	training
C01A2_CHICK	313	KGAAGLPGVAGAP	-1	training
C01A2_CHICK	319	PGVAGAPGLPGPR	-1	training
C01A2_CHICK	322	AGAPGLPGPRGIP	-1	training
C01A2_CHICK	324	APGLPGPRGIPGP	-1	training
C01A2_CHICK	328	PGPRGIPGPPGPA	-1	training
C01A2_CHICK	330	PRGIPGPPGPAGP	-1	training
C01A2_CHICK	331	RGIPGPPGPAGPS	-1	training
C01A2_CHICK	333	IPGPPGPAGPSGA	-1	training



C01A2_CHICK	336	PPGPAGPSGARGL	-1	training
C01A2_CHICK	346	RGLVGEPGPAGAK	-1	training
C01A2_CHICK	348	LVGEPGPAGAKGE	-1	training
C01A2_CHICK	361	SGNKGEPGAAGPP	-1	training
C01A2_CHICK	366	EPGAAGPPGPPGP	-1	training
C01A2_CHICK	367	PGAAGPPGPPGPS	-1	training
C01A2_CHICK	369	AAGPPGPPGPSGE	-1	training
C01A2_CHICK	370	AGPPGPPGPSGEE	-1	training
C01A2_CHICK	372	PPGPPGPSGEEGK	-1	training
C01A2_CHICK	385	RGSNGEPGSAGPP	-1	training
C01A2_CHICK	393	SAGPPGPAGLRGE	-1	training
C01A2_CHICK	400	AGLRGEPGSRGLP	-1	training
C01A2_CHICK	406	PGSRGLPGADGRA	-1	training
C01A2_CHICK	417	RAGVMGPAGNRGA	-1	training
C01A2_CHICK	426	NRGASGPVGAKGP	-1	training
C01A2_CHICK	432	PVGAKGPNGDAGR	-1	training
C01A2_CHICK	447	EPGLMGPRXXXXX	-1	training
C01A2_CHICK	469	XXXXGFPGADGRV	-1	training
C01A2_CHICK	477	ADGRVGPIGPAGN	-1	training
C01A2_CHICK	480	RVGPIGPAGNRGE	-1	training
C01A2_CHICK	487	AGNRGEPGNIGFP	-1	training
C01A2_CHICK	493	PGNIGFPGPKGPT	-1	training
C01A2_CHICK	495	NIGFPGPKGPTGE	-1	training
C01A2_CHICK	498	FPGPKGPTGEPGK	-1	training
C01A2_CHICK	502	KGPTGEPGKPGEK	-1	training
C01A2_CHICK	505	TGEPGKPGEKGNV	-1	training
C01A2_CHICK	516	NVGLAGPRGAPGP	-1	training
C01A2_CHICK	520	AGPRGAPGPEGNN	-1	training
C01A2_CHICK	522	PRGAPGPEGNNGA	-1	training
C01A2_CHICK	531	NNGAQPPGVTGN	-1	training
C01A2_CHICK	532	NGAQPPGVTGNQ	-1	training
C01A2_CHICK	546	AKGETGPAGPPGF	-1	training
C01A2_CHICK	549	ETGPAGPPGFQGL	-1	training
C01A2_CHICK	550	TGPAGPPGFQGLP	-1	training
C01A2_CHICK	556	PGFQGLPGPSGPA	-1	training
C01A2_CHICK	558	FQGLPGPSGPAGE	-1	training
C01A2_CHICK	561	LPGPSGPAGEAGK	-1	training
C01A2_CHICK	568	AGEAGKPGERGLH	-1	training
C01A2_CHICK	580	HGEFGVPGPAGPR	-1	training
C01A2_CHICK	582	EFGVPGPAGPRGE	-1	training
C01A2_CHICK	585	VPGPAGPRGERGL	-1	training
C01A2_CHICK	592	RGERGLPGESGAV	-1	training
C01A2_CHICK	600	ESGAVGPAGPIGS	-1	training
C01A2_CHICK	603	AVGPAGPIGSRGP	-1	training
C01A2_CHICK	609	PIGSRGPSGPPGP	-1	training
C01A2_CHICK	612	SRGPSGPPGPDGN	-1	training
C01A2_CHICK	613	RGPSGPPGPDGNK	-1	training
C01A2_CHICK	615	PSGPPGPDGNKGE	-1	training
C01A2_CHICK	622	DGNKGEPGNVGPA	-1	training
C01A2_CHICK	627	EPGNVGPAAGAPGP	-1	training
C01A2_CHICK	631	VGPAGAPGPAGPG	-1	training
C01A2_CHICK	633	PAGAPGPAGPGGI	-1	training
C01A2_CHICK	636	APGPAGPGGIPGE	-1	training
C01A2_CHICK	640	AGPGGIPGERGVA	-1	training

C01A2_CHICK	649	RGVAGVPGGKGEK	-1	training
C01A2_CHICK	658	KGEKGAPGLRGDT	-1	training
C01A2_CHICK	676	DGARGLPGAIGAP	-1	training
C01A2_CHICK	682	PGAIGAPGPAGGA	-1	training
C01A2_CHICK	684	AIGAPGPAGGAGD	-1	training
C01A2_CHICK	696	DREGGPAGPAGP	-1	training
C01A2_CHICK	699	EGGPAGPAGPAGA	-1	training
C01A2_CHICK	702	PAGPAGPAGARGI	-1	training
C01A2_CHICK	709	AGARGIPGERGEP	-1	training
C01A2_CHICK	715	PGERGEPPVGPS	-1	training
C01A2_CHICK	717	ERGEPPVGPSGF	-1	training
C01A2_CHICK	720	EPGPVGPSGFAGP	-1	training
C01A2_CHICK	726	PSGFAGPPGAAGQ	-1	training
C01A2_CHICK	727	SGFAGPPGAAGQP	-1	training
C01A2_CHICK	733	PGAAGQPGAKGER	-1	training
C01A2_CHICK	741	AKGERGPKGPKGE	-1	training
C01A2_CHICK	744	ERGPKGPKGETGP	-1	training
C01A2_CHICK	750	PKGETGPTGAIGP	-1	training
C01A2_CHICK	756	PTGAIGPIGASGP	-1	training
C01A2_CHICK	762	PIGASGPPGPVGA	-1	training
C01A2_CHICK	763	IGASGPPGPVGAA	-1	training
C01A2_CHICK	765	ASGPPGPVGAAGP	-1	training
C01A2_CHICK	771	PVGAAGPAGPRGD	-1	training
C01A2_CHICK	774	AAGPAGPRGDAGP	-1	training
C01A2_CHICK	780	PRGDAGPPGMTGF	-1	training
C01A2_CHICK	781	RGDAGPPGMTGFP	-1	training
C01A2_CHICK	787	PGMTGFPGAAGRV	-1	training
C01A2_CHICK	795	AAGRVGPPGPAGI	-1	training
C01A2_CHICK	796	AGRVGPPGPAGIT	-1	training
C01A2_CHICK	798	RVGPPGPAGITGP	-1	training
C01A2_CHICK	804	PAGITGPPGPPGP	-1	training
C01A2_CHICK	805	AGITGPPGPPGPA	-1	training
C01A2_CHICK	807	ITGPPGPPGPAGK	-1	training
C01A2_CHICK	808	TGPPGPPGPAGKD	-1	training
C01A2_CHICK	810	PPGPPGPAGKDG	-1	training
C01A2_CHICK	816	PAGKDGPRGLRGD	-1	training
C01A2_CHICK	825	LRGDVGPVVRTGE	-1	training
C01A2_CHICK	837	EQGIAGPPGFAGE	-1	training
C01A2_CHICK	838	QGIAGPPGFAGEK	-1	training
C01A2_CHICK	846	FAGEKGPSGEAGA	-1	training
C01A2_CHICK	855	EAGAAGPPGTPGP	-1	training
C01A2_CHICK	856	AGAAGPPGTPGPQ	-1	training
C01A2_CHICK	859	AGPPGTPGPQGIL	-1	training
C01A2_CHICK	861	PPGTPGPQGILGA	-1	training
C01A2_CHICK	868	QGILGAPGILGLP	-1	training
C01A2_CHICK	874	PGILGLPGSRGER	-1	training
C01A2_CHICK	883	RGERGLPGIAGAT	-1	training
C01A2_CHICK	892	AGATGEPGPLGVS	-1	training
C01A2_CHICK	894	ATGEPGPLGVSGP	-1	training
C01A2_CHICK	900	PLGVSGPPGARGP	-1	training
C01A2_CHICK	901	LGVSGPPGARGPS	-1	training
C01A2_CHICK	906	PPGARGPSGPVGS	-1	training
C01A2_CHICK	909	ARGPSGPVGSPPG	-1	training
C01A2_CHICK	913	SGPVGSPGPNGAP	-1	training

C01A2_CHICK	915	PVGSPGPNGAPGE	-1	training
C01A2_CHICK	919	PGPNGAPGEAGRD	-1	training
C01A2_CHICK	928	AGRDGNPGNDGPP	-1	training
C01A2_CHICK	933	NPGNDGPPGRDGA	-1	training
C01A2_CHICK	934	PGNDGPPGRDGAP	-1	training
C01A2_CHICK	940	PGRDGAPGFKGER	-1	training
C01A2_CHICK	949	KGERGAPGNPGPS	-1	training
C01A2_CHICK	952	RGAPGNPGPSGAL	-1	training
C01A2_CHICK	954	APGNPGPSGALGA	-1	training
C01A2_CHICK	961	SGALGAPGPHGQV	-1	training
C01A2_CHICK	963	ALGAPGPHGQVGP	-1	training
C01A2_CHICK	969	PHGQVGPSGKPGN	-1	training
C01A2_CHICK	973	VGPSGKPGNRGDP	-1	training
C01A2_CHICK	979	PGNRGDPGPVGPV	-1	training
C01A2_CHICK	981	NRGDPGPVGPVGP	-1	training
C01A2_CHICK	984	DPGPVGPVGPAGA	-1	training
C01A2_CHICK	987	PVGPVGPAGAFGP	-1	training
C01A2_CHICK	993	PAGAFGPRGLAGP	-1	training
C01A2_CHICK	999	PRGLAGPQGPRGE	-1	training
C01A2_CHICK	1002	LAGPQGPGEKGE	-1	training
C01A2_CHICK	1009	RGEKGEPGDKGHR	-1	training
C01A2_CHICK	1018	KGHRGLPGLKGHN	-1	training
C01A2_CHICK	1030	NGLQGLPGLAGQH	-1	training
C01A2_CHICK	1041	QHGDQGPNGNGP	-1	training
C01A2_CHICK	1042	HGDQGPNGNGPA	-1	training
C01A2_CHICK	1047	PPGNGPAGPRGP	-1	training
C01A2_CHICK	1050	NNGPAGPRGPPGP	-1	training
C01A2_CHICK	1053	PAGPRGPPGPSGP	-1	training
C01A2_CHICK	1054	AGPRGPPGPSGPP	-1	training
C01A2_CHICK	1056	PRGPPGPSGPPGK	-1	training
C01A2_CHICK	1059	PPGPSGPPGKDGR	-1	training
C01A2_CHICK	1060	PGPSGPPGKDGRN	-1	training
C01A2_CHICK	1069	DGRNGLPGPIGPA	-1	training
C01A2_CHICK	1071	RNGLPGPIGPAGV	-1	training
C01A2_CHICK	1074	LPGPIGPAGVRGS	-1	training
C01A2_CHICK	1086	SHGSQGPAGPPGP	-1	training
C01A2_CHICK	1089	SQGPAGPPGPPGP	-1	training
C01A2_CHICK	1090	QGPAGPPGPPGPP	-1	training
C01A2_CHICK	1092	PAGPPGPPGPPGP	-1	training
C01A2_CHICK	1093	AGPPGPPGPPGPP	-1	training
C01A2_CHICK	1096	PGPPGPPGPPGPN	-1	training
C01A2_CHICK	1098	PPGPPGPPGPNGG	-1	training
C01A2_CHICK	1099	PGPPGPPGPNGGG	-1	training
C01A2_CHICK	1101	PPGPPGPNGGGYE	-1	training
C01A2_CHICK	1120	YYRADQPSLRPKD	-1	training
C01A2_CHICK	1124	DQPSLRPKDYVD	-1	training
C01A2_CHICK	1146	IETLLTPEGSKKN	-1	training
C01A2_CHICK	1153	EGSKKNPARTCRD	-1	training
C01A2_CHICK	1165	DLRLSHPEWSSGF	-1	training
C01A2_CHICK	1176	GFYWIDPNQGCTA	-1	training
C01A2_CHICK	1206	ASLEDIPTKTWYV	-1	training
C01A2_CHICK	1216	WYVSKNPKDKKHI	-1	training
C01A2_CHICK	1332	EYRTNKPSRLPIL	-1	training
C01A2_CHICK	1336	NKPSRLPILDIAF	-1	training

C01A2_CHICK	1342	PILDIAPLDIGGA	-1	training
C01A2_CHICK	1358	FGLHIGPVCFKXX	-1	training
C01A2_MAMAE	176	IGSAGPPGFPGAP	1	training
C01A2_MAMAE	182	PGFPGAPGPKGEI	1	training
C01A2_MAMAE	284	SGSKGEPGSAGPQ	1	training
C01A2_MAMAE	293	AGPQGPPGPSGEE	1	training
C01A2_MAMAE	410	AGARGEPCNIGFP	1	training
C01A2_MAMAE	473	QGPAGPPGFQGLP	1	training
C01A2_MAMAE	479	PGFQGLPGPSGTA	1	training
C01A2_MAMAE	491	AGEAGKPGERGIP	1	training
C01A2_MAMAE	497	PGERGIPGEFGLP	1	training
C01A2_MAMAE	503	PGEFGLPGPAGPR	1	training
C01A2_MAMAE	599	DGARGAPGAVGAP	1	training
C01A2_MAMAE	605	PGAVGAPGPAGAT	1	training
C01A2_MAMAE	704	RGDGGPPGATGFP	1	training
C01A2_MAMAE	710	PGATGFPGAAGRT	1	training
C01A2_MAMAE	728	AGITGPPGPPGAA	1	training
C01A2_MAMAE	731	TGPPGPPGAAGKE	1	training
C01A2_MAMAE	761	TGASGPPGFAGEK	1	training
C01A2_MAMAE	806	RGERGLPGVAGAV	1	training
C01A2_MAMAE	815	AGAVGEPGPLGIA	1	training
C01A2_MAMAE	824	LGIAGPPGARGPP	1	training
C01A2_MAMAE	902	HGNRGEPGPAGSV	1	training
C01A2_MAMAE	11	KGVGLGPGPMGLM	-1	training
C01A2_MAMAE	13	VGLGPGPMGLMGP	-1	training
C01A2_MAMAE	22	LMGPRGPPGATGP	-1	training
C01A2_MAMAE	23	MGPRGPPGATGPP	-1	training
C01A2_MAMAE	28	PPGATGPPGSPGF	-1	training
C01A2_MAMAE	29	PGATGPPGSPGFQ	-1	training
C01A2_MAMAE	32	TGPPGSPGFQGPP	-1	training
C01A2_MAMAE	37	SPGFQGPPGEPGE	-1	training
C01A2_MAMAE	38	PGFQGPPGEPGEP	-1	training
C01A2_MAMAE	41	QGPPGEPGEPGQT	-1	training
C01A2_MAMAE	44	PGEPEGEPGQTGPA	-1	training
C01A2_MAMAE	49	EPGQTGPAGSRGP	-1	training
C01A2_MAMAE	55	PAGSRGPAGPPGK	-1	training
C01A2_MAMAE	58	SRGPAGPPGKAGE	-1	training
C01A2_MAMAE	59	RGPAGPPGKAGED	-1	training
C01A2_MAMAE	74	PGKPGRPGERGVV	-1	training
C01A2_MAMAE	82	ERGTVGPQGARGF	-1	training
C01A2_MAMAE	89	QGARGFPGTPGLP	-1	training
C01A2_MAMAE	92	RGFPGTPLPGFK	-1	training
C01A2_MAMAE	95	PGTPGLPGFKGIR	-1	training
C01A2_MAMAE	113	DGLKGQPGAPGVK	-1	training
C01A2_MAMAE	116	KGQPGAPGVKGEP	-1	training
C01A2_MAMAE	122	PGVKGEPCAPGEN	-1	training
C01A2_MAMAE	131	PGENGTPGQIGAR	-1	training
C01A2_MAMAE	140	IGARGLPGERGRV	-1	training
C01A2_MAMAE	149	RGRVGGPGPAGAR	-1	training
C01A2_MAMAE	151	RVGGPGPAGARGS	-1	training
C01A2_MAMAE	163	SDGSVGPVGPAGP	-1	training
C01A2_MAMAE	166	SVGPVGPAGPIGS	-1	training
C01A2_MAMAE	169	PVGPAGPIGSAGP	-1	training
C01A2_MAMAE	175	PIGSAGPPGFPGA	-1	training

C01A2_MAMAE	179	AGPPGFPGAPGPK	-1	training
C01A2_MAMAE	184	FPGAPGPKGEIGP	-1	training
C01A2_MAMAE	190	PKGEIGPVGNPGP	-1	training
C01A2_MAMAE	194	IGPVGNPGPSGPA	-1	training
C01A2_MAMAE	196	PVGNPGPSGPAGP	-1	training
C01A2_MAMAE	199	NPGPSGPAGPRGE	-1	training
C01A2_MAMAE	202	PSGPAGPRGEAGL	-1	training
C01A2_MAMAE	209	RGEAGLPGVSGPV	-1	training
C01A2_MAMAE	214	LPGVSGPVGPPGN	-1	training
C01A2_MAMAE	217	VSGPVGPPGNPGA	-1	training
C01A2_MAMAE	221	VGPPGNPGANGLA	-1	training
C01A2_MAMAE	251	PGPRGIPGPVGAA	-1	training
C01A2_MAMAE	253	PRGIPGPVGAAGA	-1	training
C01A2_MAMAE	269	RGIVGEPGPAGSK	-1	training
C01A2_MAMAE	271	IVGEPGPAGSKGE	-1	training
C01A2_MAMAE	289	EPGSAGPQGPPGP	-1	training
C01A2_MAMAE	292	SAGPQGPPGPSGE	-1	training
C01A2_MAMAE	295	PQGPPGPSGEEGK	-1	training
C01A2_MAMAE	304	EEGKRGPNGEAGS	-1	training
C01A2_MAMAE	313	EAGSAGPAGPPGL	-1	training
C01A2_MAMAE	316	SAGPAGPPGLRGG	-1	training
C01A2_MAMAE	317	AGPAGPPGLRGGP	-1	training
C01A2_MAMAE	323	PGLRGGPGSRGLP	-1	training
C01A2_MAMAE	340	RAGVMGPPGSRGA	-1	training
C01A2_MAMAE	341	AGVMGPPGSRGAS	-1	training
C01A2_MAMAE	349	SRGASGPAGVRGP	-1	training
C01A2_MAMAE	355	PAGVRGPSGDSGR	-1	training
C01A2_MAMAE	362	SGDSGRPGEPGVM	-1	training
C01A2_MAMAE	365	SGRPGEPGVMGPR	-1	training
C01A2_MAMAE	370	EPGVMGPRGLPGS	-1	training
C01A2_MAMAE	374	MGPRGLPGSPGNV	-1	training
C01A2_MAMAE	377	RGLPGSPGNVGPA	-1	training
C01A2_MAMAE	382	SPGNVGPAKEGP	-1	training
C01A2_MAMAE	388	PAGKEGPAGLPGI	-1	training
C01A2_MAMAE	392	EGPAGLPGIDGRP	-1	training
C01A2_MAMAE	398	PGIDGRPGPIGPA	-1	training
C01A2_MAMAE	400	IDGRPGPIGPAGA	-1	training
C01A2_MAMAE	403	RPGPIGPAGARGE	-1	training
C01A2_MAMAE	416	PGNIGFPGPKGPA	-1	training
C01A2_MAMAE	418	NIGFPGPKGPAGD	-1	training
C01A2_MAMAE	421	FPGPKGPAGDPGK	-1	training
C01A2_MAMAE	425	KGPAGDPGKNGDK	-1	training
C01A2_MAMAE	439	HAGLAGPRGAPGP	-1	training
C01A2_MAMAE	443	AGPRGAPGPDGNN	-1	training
C01A2_MAMAE	445	PRGAPGPDGNNGA	-1	training
C01A2_MAMAE	454	NNGAQGPGLQGV	-1	training
C01A2_MAMAE	455	NGAQGPGLQGVQ	-1	training
C01A2_MAMAE	469	GKGEQGPAGPPGF	-1	training
C01A2_MAMAE	472	EQGPAGPPGFQGL	-1	training
C01A2_MAMAE	481	FQGLPGPSGTAGE	-1	training
C01A2_MAMAE	505	EFGLPGPAGPRGE	-1	training
C01A2_MAMAE	508	LPGPAGPRGERGP	-1	training
C01A2_MAMAE	514	PRGERGPPGQSGA	-1	training
C01A2_MAMAE	515	RGERGPPGQSGAA	-1	training

C01A2_MAMAE	523	QSGAAGPTGPIGS	-1	training
C01A2_MAMAE	526	AAGPTGPIGSRGP	-1	training
C01A2_MAMAE	545	DGNKGEPGVVGAP	-1	training
C01A2_MAMAE	551	PGVVGAPGTAGPS	-1	training
C01A2_MAMAE	556	APGTAGPSGPVGL	-1	training
C01A2_MAMAE	559	TAGPSGPVGLPGE	-1	training
C01A2_MAMAE	563	SGPVGLPGERGAA	-1	training
C01A2_MAMAE	572	RGAAGIPGGKGEK	-1	training
C01A2_MAMAE	607	AVGAPGPAGATGD	-1	training
C01A2_MAMAE	619	DRGEAGPAGSAGP	-1	training
C01A2_MAMAE	625	PAGSAGPAGPRGS	-1	training
C01A2_MAMAE	628	SAGPAGPRGSPGE	-1	training
C01A2_MAMAE	632	AGPRGSPGERGEV	-1	training
C01A2_MAMAE	640	ERGEVGPAGPNGF	-1	training
C01A2_MAMAE	643	EVGPAGPNGFAGP	-1	training
C01A2_MAMAE	649	PNGFAGPAGAAGQ	-1	training
C01A2_MAMAE	667	ERGTKGPKGENGP	-1	training
C01A2_MAMAE	673	PKGENGVPVGPTGP	-1	training
C01A2_MAMAE	676	ENGPVGPTGPVGA	-1	training
C01A2_MAMAE	679	PVGPTGPVGAAGP	-1	training
C01A2_MAMAE	685	PVGAAGPAGPNGP	-1	training
C01A2_MAMAE	688	AAGPAGPNGPPGP	-1	training
C01A2_MAMAE	691	PAGPNGPPGPAGS	-1	training
C01A2_MAMAE	692	AGPNGPPGPAGSR	-1	training
C01A2_MAMAE	694	PNGPPGPAGSRGD	-1	training
C01A2_MAMAE	703	SRGDGGPPGATGF	-1	training
C01A2_MAMAE	718	AAGRTGPPGPAGI	-1	training
C01A2_MAMAE	719	AGRTGPPGPAGIT	-1	training
C01A2_MAMAE	721	RTGPPGPAGITGP	-1	training
C01A2_MAMAE	727	PAGITGPPGPPGA	-1	training
C01A2_MAMAE	730	ITGPPGPPGAAGK	-1	training
C01A2_MAMAE	742	KEGLRGPRGDQGP	-1	training
C01A2_MAMAE	748	PRGDQGPVGRTGE	-1	training
C01A2_MAMAE	760	ETGASGPPGFAGE	-1	training
C01A2_MAMAE	773	KGSSGEPGTAGPP	-1	training
C01A2_MAMAE	778	EPGTAGPPGAPGP	-1	training
C01A2_MAMAE	779	PGTAGPPGAPGPQ	-1	training
C01A2_MAMAE	782	AGPPGAPGPQGIL	-1	training
C01A2_MAMAE	784	PPGAPGPQGILGP	-1	training
C01A2_MAMAE	790	PQGILGPPGILGL	-1	training
C01A2_MAMAE	791	QGILGPPGILGLP	-1	training
C01A2_MAMAE	817	AVGEPGLGIAGP	-1	training
C01A2_MAMAE	823	PLGIAGPPGARGP	-1	training
C01A2_MAMAE	829	PPGARGPPGAVGS	-1	training
C01A2_MAMAE	830	PGARGPPGAVGSP	-1	training
C01A2_MAMAE	836	PGAVGSPGVNGAP	-1	training
C01A2_MAMAE	842	PGVNGAPGEAGRD	-1	training
C01A2_MAMAE	851	AGRDGNPGSDGPP	-1	training
C01A2_MAMAE	856	NPGSDGPPGRDGL	-1	training
C01A2_MAMAE	857	PGSDGPPGRDGLP	-1	training
C01A2_MAMAE	863	PGRDGLPGHKGER	-1	training
C01A2_MAMAE	872	KGERGYPGNAGPV	-1	training
C01A2_MAMAE	877	YPGNAGPVGTAGA	-1	training
C01A2_MAMAE	884	VGTAGAPGPQGPL	-1	training

C01A2_MAMAE	886	TAGAPGPQGGLGP	-1	training
C01A2_MAMAE	889	APGPQGGLGPAGK	-1	training
C01A2_MAMAE	892	PQGGLGPAGKHGN	-1	training
C01A2_MAMAE	904	NRGEPGPAGSVGP	-1	training
C01A2_MAMAE	910	PAGSVGPVGA VGP	-1	training
C01A2_MAMAE	916	PVGA VGP RGPSPGP	-1	training
C01A2_MAMAE	919	AVGPRGPSPGQGA	-1	training
C01A2_MAMAE	922	PRGPSPGQGARGD	-1	training
C01A2_MAMAE	937	EAGDKGPRGLPGF	-1	training
C01A2_MAMAE	941	KGPRGLPGFKGHN	-1	training
C01A2_MAMAE	965	HGDQGSPPGSGVPA	-1	training
C01A2_MAMAE	970	SPGSGVPAGPRGP	-1	training
C01A2_MAMAE	973	SVGPAGPRGPAGP	-1	training
C01A2_MAMAE	976	PAGPRGPAGPSGP	-1	training
C01A2_MAMAE	979	PRGPAGPSGPVGK	-1	training
C01A2_MAMAE	982	PAGSPGPVGKDGR	-1	training
C01A2_MAMAE	989	VGKDGRPGHAGAV	-1	training
C01A2_MAMAE	997	HAGAVGPAGVRGS	-1	training
C01A2_MAMAE	1009	SQGSQGPSGPPGP	-1	training
C01A2_MAMAE	1012	SQGPSGPPGPPGP	-1	training
C01A2_MAMAE	1013	QGPSGPPGPPGPP	-1	training
C01A2_MAMAE	1015	PSGPPGPPGPPGP	-1	training
C01A2_MAMAE	1019	PGPPGPPGPPGPS	-1	training
C01A2_MAMAE	1021	PPGPPGPPGPSGG	-1	training
C01A2_MAMAE	1022	PGPPGPPGPSGGG	-1	training
C01A2_MAMAE	1024	PPGPPGPSGGGYD	-1	training
C027A_CONPE	76	CELYAFPSFGAXX	1	training
C027A_CONPE	38	FLSKRKPSAERWR	-1	training
C02A1_MAMAE	3	XXXXGEPGGVGPI	1	training
C02A1_MAMAE	12	VGPIGPPGERGAP	1	training
C02A1_MAMAE	336	RGETGPPGPAGFA	1	training
C02A1_MAMAE	414	XXXVGPPGANGNP	1	training
C02A1_MAMAE	420	PGANGNPGPAGPP	1	training
C02A1_MAMAE	426	PGPAGPPGPAGKX	1	training
C02A1_MAMAE	648	TGLQLPGPPGTS	1	training
C02A1_MAMAE	8	EPGGVGPIGPPGE	-1	training
C02A1_MAMAE	11	GVGPIGPPGERGA	-1	training
C02A1_MAMAE	18	PGERGAPGNRXXX	-1	training
C02A1_MAMAE	327	XXXXGAPGERGET	-1	training
C02A1_MAMAE	335	ERGETGPPGPAGF	-1	training
C02A1_MAMAE	338	ETGPPGPAGFAGP	-1	training
C02A1_MAMAE	344	PAGFAGPPGADGQ	-1	training
C02A1_MAMAE	351	PGADGQPGAKXXX	-1	training
C02A1_MAMAE	413	XXXXVGPPGANGN	-1	training
C02A1_MAMAE	422	ANGNPGPAGPPGP	-1	training
C02A1_MAMAE	425	NPGPAGPPGPAGK	-1	training
C02A1_MAMAE	428	PAGPPGPAGKXXX	-1	training
C02A1_MAMAE	651	QGLPGPPGTSGDQ	-1	training
C02A1_MAMAE	662	DQGASGPSGPAGP	-1	training
C02A1_MAMAE	665	ASGPSGPAGPRXX	-1	training
C02A1_MAMAE	668	PSGPAGPRXXXXX	-1	training
C06A_CONER	6	XDDCIKPYGFCSL	1	training
C06A_CONER	13	YGFCSLPILKNGL	-1	training
C06A_CONNI	6	XSKCFSPGTFCGI	1	training

C06A_CONNI	14	TFCGIKPGGCCSV	1	training
C06A_CONRA	4	XXXCKPPGSPCRV	1	training
C06A_CONRA	7	CKPPGSPCRVSSY	1	training
C06A_CONRA	3	XXXXCKPPGSPCR	-1	training
C06A3_HUMAN	2100	KGSRGFPGEKGEV	1	training
C06A3_HUMAN	2206	FGRRGPPGAKGNK	1	training
C06A3_HUMAN	2239	AGPAGPPGLIGE	1	training
C06A3_HUMAN	2316	KGERGFPGYPGPK	1	training
C06A3_HUMAN	2319	RGFPGYPGPKGNP	1	training
C06A3_HUMAN	8	RKHRHLPLVAVFC	-1	training
C06A3_HUMAN	21	LFLSGFPTTHAQQ	-1	training
C06A3_HUMAN	87	VQFNGNPHTEFLL	-1	training
C06A3_HUMAN	143	RAGDGV PQVIVVL	-1	training
C06A3_HUMAN	161	KDGLALPSAELKS	-1	training
C06A3_HUMAN	192	KEIASEPLNMHMF	-1	training
C06A3_HUMAN	223	VHSSVSPERAGDT	-1	training
C06A3_HUMAN	273	NLLEKLPIGTQQI	-1	training
C06A3_HUMAN	290	VQFSDEPRTMFSL	-1	training
C06A3_HUMAN	347	RVEEGVPQVLVLI	-1	training
C06A3_HUMAN	357	VLISAGPSSDEIR	-1	training
C06A3_HUMAN	403	NLVFTVPEFRSFG	-1	training
C06A3_HUMAN	417	LQEKLLPYIVGVA	-1	training
C06A3_HUMAN	431	RHIVLKPPTIVTQ	-1	training
C06A3_HUMAN	432	HIVLKPPTIVTQV	-1	training
C06A3_HUMAN	495	YADTVRPEFYFNT	-1	training
C06A3_HUMAN	503	FYFNTHPTKREVI	-1	training
C06A3_HUMAN	517	AVRKMKPLDGSAL	-1	training
C06A3_HUMAN	550	RAAEGIPKLLVLI	-1	training
C06A3_HUMAN	568	LDEISQPAQELKR	-1	training
C06A3_HUMAN	605	SSLVFIPAEFRAA	-1	training
C06A3_HUMAN	612	AEFRAAPLQGMLP	-1	training
C06A3_HUMAN	618	PLQGMLPGLLAPL	-1	training
C06A3_HUMAN	623	LPGLLAPLRTL	-1	training
C06A3_HUMAN	631	RTLSGTPEVHSNK	-1	training
C06A3_HUMAN	656	VGKTNFPYVRDFV	-1	training
C06A3_HUMAN	687	VQFSDTPVTEFSL	-1	training
C06A3_HUMAN	744	RIREHVPQLLLLL	-1	training
C06A3_HUMAN	793	EQIAFNPSLVYLM	-1	training
C06A3_HUMAN	806	DDFSSLPALPQQ	-1	training
C06A3_HUMAN	809	SSLPALPQQLIQP	-1	training
C06A3_HUMAN	815	PQQLIQPLTTYVS	-1	training
C06A3_HUMAN	828	GGVEEVPLAQPES	-1	training
C06A3_HUMAN	832	EVPLAQPE SKRDI	-1	training
C06A3_HUMAN	853	NLVGQFPVVRDFL	-1	training
C06A3_HUMAN	870	DELNVKPEGTRIA	-1	training
C06A3_HUMAN	897	DEHQSKEILNLV	-1	training
C06A3_HUMAN	959	SDRVDGPASNLKQ	-1	training
C06A3_HUMAN	970	KQSGVVPFIFQAK	-1	training
C06A3_HUMAN	980	QAKNADPAELEQI	-1	training
C06A3_HUMAN	990	EQIVLSPAFILAA	-1	training
C06A3_HUMAN	1000	LAAESLPKIGDLH	-1	training
C06A3_HUMAN	1007	KIGDLHPQIVNLL	-1	training
C06A3_HUMAN	1021	SVHNGAPAPVSGE	-1	training
C06A3_HUMAN	1023	HNGAPAPVSGEKD	-1	training



C06A3_HUMAN	1045	GVRSGFPLLKEFV	-1	training
C06A3_HUMAN	1078	YSDRTRPEFYLNS	-1	training
C06A3_HUMAN	1104	LTLLGGPTPNTGA	-1	training
C06A3_HUMAN	1106	LLGGPTPNTGAAL	-1	training
C06A3_HUMAN	1133	RITEGVPQLLIVL	-1	training
C06A3_HUMAN	1151	GDDVRNPSVVVKR	-1	training
C06A3_HUMAN	1162	KRGGAVPIGIGIG	-1	training
C06A3_HUMAN	1182	QTISFIPDFAVAI	-1	training
C06A3_HUMAN	1189	DFAVAIPTFRQLG	-1	training
C06A3_HUMAN	1218	ELSRLQPVLQPLP	-1	training
C06A3_HUMAN	1222	LQPVLQPLSPGV	-1	training
C06A3_HUMAN	1224	PVLQPLSPGVGG	-1	training
C06A3_HUMAN	1226	LQPLSPGVGGKR	-1	training
C06A3_HUMAN	1246	GSQSAGPEFYVVR	-1	training
C06A3_HUMAN	1280	IQFSDDPKVEFLL	-1	training
C06A3_HUMAN	1304	AVQRLRPKGGRI	-1	training
C06A3_HUMAN	1327	RNIFKRPLGSRIE	-1	training
C06A3_HUMAN	1337	RIEEGVPQFLVLI	-1	training
C06A3_HUMAN	1355	DDEVDDPAVELKQ	-1	training
C06A3_HUMAN	1366	KQFGVAPFTIARN	-1	training
C06A3_HUMAN	1385	VKISLSPEYVFSV	-1	training
C06A3_HUMAN	1398	STFRELPSEQLK	-1	training
C06A3_HUMAN	1407	EQKLLTPITLTS	-1	training
C06A3_HUMAN	1426	LASTRYPPPAVES	-1	training
C06A3_HUMAN	1427	ASTRYPPPAVESD	-1	training
C06A3_HUMAN	1428	STRYPPPAVESDA	-1	training
C06A3_HUMAN	1449	SSEGVRPDGAHI	-1	training
C06A3_HUMAN	1470	RRLNIGPSKVRVG	-1	training
C06A3_HUMAN	1486	FSNDVFPEFYLKT	-1	training
C06A3_HUMAN	1498	TYRSQAPVLDAIR	-1	training
C06A3_HUMAN	1513	RLRGGSPLNTGKA	-1	training
C06A3_HUMAN	1541	RIEDGVPQHLVLV	-1	training
C06A3_HUMAN	1590	QTITNDPRLVFTV	-1	training
C06A3_HUMAN	1603	REFRELPNIEERI	-1	training
C06A3_HUMAN	1615	IMNSFGPSAATPA	-1	training
C06A3_HUMAN	1620	GPSAATPAPPGVD	-1	training
C06A3_HUMAN	1622	SAATPAPPGVDTP	-1	training
C06A3_HUMAN	1623	AATPAPPGVDTPP	-1	training
C06A3_HUMAN	1628	PPGVDTPPPSRPE	-1	training
C06A3_HUMAN	1629	PGVDTPPPSRPEK	-1	training
C06A3_HUMAN	1630	GVDTPPPSRPEKK	-1	training
C06A3_HUMAN	1633	TPPPSRPEKKKAD	-1	training
C06A3_HUMAN	1687	VQYNSDPTDEFFL	-1	training
C06A3_HUMAN	1733	RVNHVFPEAGSRL	-1	training
C06A3_HUMAN	1744	RLDQRVPQIAFVI	-1	training
C06A3_HUMAN	1826	MHETLCPGVTDAA	-1	training
C06A3_HUMAN	1883	CSGGRSPTVRVSV	-1	training
C06A3_HUMAN	1894	SVVANTPSGPVEA	-1	training
C06A3_HUMAN	1897	ANTPSGPVEAFDF	-1	training
C06A3_HUMAN	1908	DFDEYQPEMLEKF	-1	training
C06A3_HUMAN	1922	NMRSQHPYVLTED	-1	training
C06A3_HUMAN	1942	KFRQSSPDSVKVV	-1	training
C06A3_HUMAN	2005	GFMYDRPLRLNLL	-1	training
C06A3_HUMAN	2033	KACCGVPCKCSGQ	-1	training

C06A3_HUMAN	2045	QRGDRGPIGSIGP	-1	training
C06A3_HUMAN	2051	PIGSIGPKGIPGE	-1	training
C06A3_HUMAN	2055	IGPKGIPGEDGYR	-1	training
C06A3_HUMAN	2064	DGYRGYPGDEGGP	-1	training
C06A3_HUMAN	2070	PGDEGGPGERGPP	-1	training
C06A3_HUMAN	2075	GPGERGPPGVNGT	-1	training
C06A3_HUMAN	2076	PGERGPPGVNGTQ	-1	training
C06A3_HUMAN	2088	QGFQGCPCGQRGVK	-1	training
C06A3_HUMAN	2124	DGDKGLPGSSGEK	-1	training
C06A3_HUMAN	2133	SGEKGNPGRRGDK	-1	training
C06A3_HUMAN	2141	RRGDKGPRGEKGE	-1	training
C06A3_HUMAN	2157	VGIRGDPGNPGQD	-1	training
C06A3_HUMAN	2160	RGDPGNPGQDSQE	-1	training
C06A3_HUMAN	2169	DSQERGPKGETGD	-1	training
C06A3_HUMAN	2178	ETGDLGPMGVPR	-1	training
C06A3_HUMAN	2182	LGPMGVPRDGV	-1	training
C06A3_HUMAN	2188	PGRDGVPGGPGET	-1	training
C06A3_HUMAN	2191	DGVPGGPGETGKN	-1	training
C06A3_HUMAN	2205	GFGRRGPPGAKGN	-1	training
C06A3_HUMAN	2215	KGNKGGPGQPGFE	-1	training
C06A3_HUMAN	2218	KGGPGQPGFEGEQ	-1	training
C06A3_HUMAN	2232	TRGAQGPAGPAGP	-1	training
C06A3_HUMAN	2235	AQGPAGPAGPPGL	-1	training
C06A3_HUMAN	2238	PAGPAGPPGLIGE	-1	training
C06A3_HUMAN	2250	EQGISGPRGSGGA	-1	training
C06A3_HUMAN	2260	GGAAGAPGERGRT	-1	training
C06A3_HUMAN	2268	ERGRTGPLGRKGE	-1	training
C06A3_HUMAN	2275	LGRKGEPGEPGPK	-1	training
C06A3_HUMAN	2278	KGEPGEPGPKGGI	-1	training
C06A3_HUMAN	2280	EPGEPGPKGGIGN	-1	training
C06A3_HUMAN	2289	GIGNRGPRGETGD	-1	training
C06A3_HUMAN	2321	FPGYPGPKGNPGE	-1	training
C06A3_HUMAN	2325	PGPKGNPGEPLN	-1	training
C06A3_HUMAN	2328	KGNPGEPLNGTT	-1	training
C06A3_HUMAN	2336	LNGTTGPKGIRGR	-1	training
C06A3_HUMAN	2348	RRNSGPPGIVGQ	-1	training
C06A3_HUMAN	2349	RGNSGPPGIVGQK	-1	training
C06A3_HUMAN	2358	VGQKGDPGYPGPA	-1	training
C06A3_HUMAN	2361	KGDPGYPGPAGPK	-1	training
C06A3_HUMAN	2363	DPGYPGPAGPKGN	-1	training
C06A3_HUMAN	2366	YPGPAGPKGNRGD	-1	training
C06A3_HUMAN	2388	SIKDKCPCCYGPL	-1	training
C06A3_HUMAN	2393	CPCCYGPLECPVF	-1	training
C06A3_HUMAN	2397	YGPLECPVFPTL	-1	training
C06A3_HUMAN	2400	LECPVFPTLAF	-1	training
C06A3_HUMAN	2440	IAESNCPRGARVA	-1	training
C06A3_HUMAN	2519	VFFSNTPTTRASPQ	-1	training
C06A3_HUMAN	2524	TPTRASPQLREAV	-1	training
C06A3_HUMAN	2540	SDAGITPLFLTRQ	-1	training
C06A3_HUMAN	2569	GHALVLPAGRDLT	-1	training
C06A3_HUMAN	2595	DICNIDPSCGFGS	-1	training
C06A3_HUMAN	2604	GFGSWRPSFRDRR	-1	training
C06A3_HUMAN	2653	RQLDMSPDPKASQ	-1	training
C06A3_HUMAN	2655	LDMSDPDPKASQHF	-1	training

C06A3_HUMAN	2671	AVVQHAPSESVDN	-1	training
C06A3_HUMAN	2681	VDNASMPPVKVEF	-1	training
C06A3_HUMAN	2682	DNASMPPVKVEFS	-1	training
C06A3_HUMAN	2731	NVFESAPNPRDLK	-1	training
C06A3_HUMAN	2733	FESAPNPRDLKIV	-1	training
C06A3_HUMAN	2748	MLTGEVPEQQLEE	-1	training
C06A3_HUMAN	2790	YTFASEPNDVFFK	-1	training
C06A3_HUMAN	2808	TELNEEPLMRFGR	-1	training
C06A3_HUMAN	2817	RFGRLLPSFVSSE	-1	training
C06A3_HUMAN	2830	NAFYLSPDIRKQC	-1	training
C06A3_HUMAN	2844	WFQGDQPTKNLVK	-1	training
C06A3_HUMAN	2859	HKQVNVPNNTSS	-1	training
C06A3_HUMAN	2866	NNVTSSPTSNPVT	-1	training
C06A3_HUMAN	2870	SSPTSNPVTTTKP	-1	training
C06A3_HUMAN	2876	PVTTTKPVTTTKP	-1	training
C06A3_HUMAN	2882	PVTTTKPVTTTTP	-1	training
C06A3_HUMAN	2889	VTTTTPVTTTTP	-1	training
C06A3_HUMAN	2896	VTTTTPVTTIINQ	-1	training
C06A3_HUMAN	2903	VTIINQPSVKPAA	-1	training
C06A3_HUMAN	2907	NQPSVKPAAAKPA	-1	training
C06A3_HUMAN	2912	KPAAAKPAPAKPV	-1	training
C06A3_HUMAN	2914	AAAKPAPAKPVAA	-1	training
C06A3_HUMAN	2917	KPAPAKPVAAKPV	-1	training
C06A3_HUMAN	2922	KPVAAKPVATKMA	-1	training
C06A3_HUMAN	2932	KMATVRPPVAVKP	-1	training
C06A3_HUMAN	2933	MATVRPPVAVKPA	-1	training
C06A3_HUMAN	2938	PPVAVKPATAAKP	-1	training
C06A3_HUMAN	2944	PATAAKPVAAKPA	-1	training
C06A3_HUMAN	2949	KPVAAKPAAVRPP	-1	training
C06A3_HUMAN	2954	KPAAVRPPAAAAA	-1	training
C06A3_HUMAN	2955	PAAVRPPAAAAAK	-1	training
C06A3_HUMAN	2962	AAAAAKPVATKPE	-1	training
C06A3_HUMAN	2967	KPVATKPEVPRPQ	-1	training
C06A3_HUMAN	2970	ATKPEVPRPQAAK	-1	training
C06A3_HUMAN	2972	KPEVPRPQAAKPA	-1	training
C06A3_HUMAN	2977	RPQAAKPAATKPA	-1	training
C06A3_HUMAN	2982	KPAATKPATTKPM	-1	training
C06A3_HUMAN	2987	KPATTKPMVKMSR	-1	training
C06A3_HUMAN	3014	HWERAEPGPYFY	-1	training
C06A3_HUMAN	3015	WERAEPGPYFYD	-1	training
C06A3_HUMAN	3017	RAEPGPYFYDLT	-1	training
C06A3_HUMAN	3081	STKKSQPPPPQPA	-1	training
C06A3_HUMAN	3082	TKKSQPPPPQPAR	-1	training
C06A3_HUMAN	3083	KKSQPPPPQPARS	-1	training
C06A3_HUMAN	3084	KSQPPPPQPARS	-1	training
C06A3_HUMAN	3086	QPPPPQPARSASS	-1	training
C06A3_HUMAN	3103	LMVSTEPLALTET	-1	training
C06A3_HUMAN	3115	TDICKLKPDEGTC	-1	training
C06A3_HUMAN	3132	LKWYYDPNTKSCA	-1	training
C06A3_HUMAN	3164	CEKVCAPVLAKPG	-1	training
C06A3_HUMAN	3169	APVLAKPGVISVM	-1	training
C06B_CONCN	6	XDECFSPTGFCGT	1	training
C06B_CONCN	14	TFCGTPKGLCCSA	1	training
C06B_CONPI	6	XFGSFIPCAHKGE	1	training

C06B_CONPI	13	CAHKGEPCTICCR	1	training
C06B_CONPI	20	CTICCRPLRCHEE	1	training
C06B_CONPI	29	CHEEKTPTCVXXX	1	training
C06C_CONCN	6	XDECFSPGTFCGI	1	training
C06D_CONCN	6	XDECFSPGTFCGF	1	training
C06D_CONCN	14	TFCGFKPGLCCSA	1	training
C06D_CONPI	5	XXYGNFPTCSETG	1	training
C07A_CONCN	7	CKGKGAPCTRLMY	1	training
C07A_CONDE	4	XXXACKPKNNLCA	1	training
C07A1_HUMAN	2167	AGPEGKPGQLQGPR	1	training
C07A1_HUMAN	2176	QGPRGPPGPVGGH	1	training
C07A1_HUMAN	2185	VGGHGDPPPGAP	1	training
C07A1_HUMAN	2188	HGDPGPPGAPGLA	1	training
C07A1_HUMAN	2664	KGEMGEPGVPGQS	1	training
C07A1_HUMAN	2667	MGEPGVPGQSGAP	1	training
C07A1_HUMAN	2673	PGQSGAPGKEGLI	1	training
C07A1_HUMAN	19	GILAEAPRVRAQH	-1	training
C07A1_HUMAN	67	LEGLVLPFSGAAS	-1	training
C07A1_HUMAN	88	VQYSDDPRTEFGL	-1	training
C07A1_HUMAN	133	ADHVFLPQLARPG	-1	training
C07A1_HUMAN	138	LPQLARPGVPKVC	-1	training
C07A1_HUMAN	141	LARPGVPKVCILI	-1	training
C07A1_HUMAN	180	GIKNADPEELKRV	-1	training
C07A1_HUMAN	190	KRVASQPTSDFFF	-1	training
C07A1_HUMAN	209	ILRTLPLVSRRV	-1	training
C07A1_HUMAN	223	TTAGGVPTVRPPD	-1	training
C07A1_HUMAN	227	GVPTVRPPDDSTS	-1	training
C07A1_HUMAN	228	VPVTRPPDDSTSA	-1	training
C07A1_HUMAN	235	DDSTSAPRDLVLS	-1	training
C07A1_HUMAN	243	DLVLSEPSSQSLR	-1	training
C07A1_HUMAN	258	WTAASGPVTGYKV	-1	training
C07A1_HUMAN	268	YKVQYTPLTGLGQ	-1	training
C07A1_HUMAN	275	LTGLGQPLPSERQ	-1	training
C07A1_HUMAN	277	GLGQPLPSERQEV	-1	training
C07A1_HUMAN	286	RQEVNVPAGETSV	-1	training
C07A1_HUMAN	299	RLRGLRPLTEYQV	-1	training
C07A1_HUMAN	331	TTALEGPELTIQN	-1	training
C07A1_HUMAN	351	VAWRSVPGATGYR	-1	training
C07A1_HUMAN	367	RVLSGGPTQQQEL	-1	training
C07A1_HUMAN	375	QQQELGPGQGSVL	-1	training
C07A1_HUMAN	387	LLRDLEPGTDYEV	-1	training
C07A1_HUMAN	405	FGRSVGPATSLMA	-1	training
C07A1_HUMAN	423	VEQTLRPVILGPT	-1	training
C07A1_HUMAN	428	RPVILGPTSILLS	-1	training
C07A1_HUMAN	439	LSWNLVPEARGYR	-1	training
C07A1_HUMAN	456	RETGLEPPQKVVL	-1	training
C07A1_HUMAN	457	ETGLEPPQKVVL	-1	training
C07A1_HUMAN	463	PQKVVLPSDVTRY	-1	training
C07A1_HUMAN	476	QLDGLQPGTEYRL	-1	training
C07A1_HUMAN	496	GHEVATPATVVPT	-1	training
C07A1_HUMAN	501	TPATVVPTGPELP	-1	training
C07A1_HUMAN	504	TVVPTGPELPVSP	-1	training
C07A1_HUMAN	507	PTGPELPVSPVTD	-1	training
C07A1_HUMAN	510	PELPVSPVTDLQA	-1	training

C07A1_HUMAN	520	LQATELPGQVRV	-1	training
C07A1_HUMAN	530	VRVSWSPVPGATQ	-1	training
C07A1_HUMAN	532	VSWSPVPGATQYR	-1	training
C07A1_HUMAN	554	ERTLVLPQSQTAF	-1	training
C07A1_HUMAN	581	VSARVGPREGSAS	-1	training
C07A1_HUMAN	595	LTVRREPETPLAV	-1	training
C07A1_HUMAN	598	RREPETPLAVPGL	-1	training
C07A1_HUMAN	602	ETPLAVPGLRVVV	-1	training
C07A1_HUMAN	620	VRVAWGPVPGASG	-1	training
C07A1_HUMAN	622	VAWGPVPGASGFR	-1	training
C07A1_HUMAN	637	WSTGSGPESSQTL	-1	training
C07A1_HUMAN	644	ESSQTLPPDSTAT	-1	training
C07A1_HUMAN	645	SSQTLPPDSTATD	-1	training
C07A1_HUMAN	657	DITGLQPGETTYQV	-1	training
C07A1_HUMAN	675	RGREEGPAAVIVA	-1	training
C07A1_HUMAN	685	IVARTDPLGPVRT	-1	training
C07A1_HUMAN	688	RTDPLGPVRTVHV	-1	training
C07A1_HUMAN	710	ITWTRVPGATGYR	-1	training
C07A1_HUMAN	725	WHAHGPEKSQLV	-1	training
C07A1_HUMAN	745	ELDGLEPDTEYTV	-1	training
C07A1_HUMAN	763	VAGVDGPPASVVV	-1	training
C07A1_HUMAN	764	AGVDGPPASVVVR	-1	training
C07A1_HUMAN	773	VVVRTAPEPVGRV	-1	training
C07A1_HUMAN	775	VRTAPEPVGRVSR	-1	training
C07A1_HUMAN	816	GRSEGGPMRHQIL	-1	training
C07A1_HUMAN	823	MRHQILPGNTDSA	-1	training
C07A1_HUMAN	855	GDREGTPVSIVVT	-1	training
C07A1_HUMAN	863	SIVVTTTPEAPPA	-1	training
C07A1_HUMAN	864	IVVTTTPEAPPAL	-1	training
C07A1_HUMAN	867	TTPPEAPPALGTL	-1	training
C07A1_HUMAN	868	TPPEAPPALGTLH	-1	training
C07A1_HUMAN	889	LRLRWEVPVRAQG	-1	training
C07A1_HUMAN	891	LRWEVPVRAQGFL	-1	training
C07A1_HUMAN	902	FLLHWQPEGQEQ	-1	training
C07A1_HUMAN	914	QSRVLGPELSSYH	-1	training
C07A1_HUMAN	926	HLDGLEPATQYRV	-1	training
C07A1_HUMAN	939	RLSVLGPAGEGPS	-1	training
C07A1_HUMAN	944	GPAGEGPSAEVTA	-1	training
C07A1_HUMAN	955	TARTESPRVPSIE	-1	training
C07A1_HUMAN	958	TESPRVPSIELRV	-1	training
C07A1_HUMAN	978	VTLAWTPVSRASS	-1	training
C07A1_HUMAN	991	YILSWRPLRGPGQ	-1	training
C07A1_HUMAN	995	WRPLRGPGQEVPG	-1	training
C07A1_HUMAN	1000	GPGQEVPGSPQTL	-1	training
C07A1_HUMAN	1003	QEVPGSPQTLPGI	-1	training
C07A1_HUMAN	1007	GSPQTLPGISSSQ	-1	training
C07A1_HUMAN	1020	RVTGLEPGVSYIF	-1	training
C07A1_HUMAN	1030	YIFSLTPVLDGVR	-1	training
C07A1_HUMAN	1038	LDGVRGPEASVTQ	-1	training
C07A1_HUMAN	1046	ASVTQTPVCPRGL	-1	training
C07A1_HUMAN	1049	TQTPVCPRGLADV	-1	training
C07A1_HUMAN	1059	ADVVFPLPHATQDN	-1	training
C07A1_HUMAN	1085	LVLALGPLGPQAV	-1	training
C07A1_HUMAN	1088	ALGPLGPQAVQVG	-1	training

C07A1_HUMAN	1102	LSYSHRPSPLFPL	-1	training
C07A1_HUMAN	1104	YSHRPSPLFPLNG	-1	training
C07A1_HUMAN	1107	RPSPLFPLNGSHD	-1	training
C07A1_HUMAN	1125	QRIRDMPYMDPSG	-1	training
C07A1_HUMAN	1129	DMPYMDPSGNNLG	-1	training
C07A1_HUMAN	1148	HRYMLAPDAPGRR	-1	training
C07A1_HUMAN	1151	MLAPDAPGRRQHV	-1	training
C07A1_HUMAN	1158	GRRQHVPGMVLL	-1	training
C07A1_HUMAN	1168	VLLVDEPLRGDIF	-1	training
C07A1_HUMAN	1176	RGDIFSPIREAQA	-1	training
C07A1_HUMAN	1197	GMAGADPEQLRRL	-1	training
C07A1_HUMAN	1205	QLRRLAPGMDSVQ	-1	training
C07A1_HUMAN	1220	FAVDDGPSLDQAV	-1	training
C07A1_HUMAN	1242	ASFTTQPRPEPCP	-1	training
C07A1_HUMAN	1244	FTTQPRPEPCPVY	-1	training
C07A1_HUMAN	1246	TQPRPEPCPVYCP	-1	training
C07A1_HUMAN	1248	PRPEPCPVYCPKG	-1	training
C07A1_HUMAN	1252	PCPVYCPKGQKGE	-1	training
C07A1_HUMAN	1259	KGQKGEPGEMGLR	-1	training
C07A1_HUMAN	1270	LRGQVGPPGDPGL	-1	training
C07A1_HUMAN	1271	RGQVGPPGDPGLP	-1	training
C07A1_HUMAN	1274	VGPPGDPGLPGRT	-1	training
C07A1_HUMAN	1277	PGDPGLPGRTGAP	-1	training
C07A1_HUMAN	1283	PGRTGAPGPQGGP	-1	training
C07A1_HUMAN	1285	RTGAPGPQGGPGS	-1	training
C07A1_HUMAN	1288	APGPQGGPGSATA	-1	training
C07A1_HUMAN	1289	PGPQGGPGSATAK	-1	training
C07A1_HUMAN	1301	KGERGFPGADGRP	-1	training
C07A1_HUMAN	1307	PGADGRPGSPGRA	-1	training
C07A1_HUMAN	1310	DGRPGSPGRAGNP	-1	training
C07A1_HUMAN	1316	PGRAGNPGRPAP	-1	training
C07A1_HUMAN	1319	AGNPGRPAPGLK	-1	training
C07A1_HUMAN	1322	PGTPGAPGLKGSP	-1	training
C07A1_HUMAN	1328	PGLKGSPGLPGPR	-1	training
C07A1_HUMAN	1331	KGSPGLPGPRGDP	-1	training
C07A1_HUMAN	1333	SPGLPGPRGDPE	-1	training
C07A1_HUMAN	1337	PGPRGDPGERGPR	-1	training
C07A1_HUMAN	1342	DPGERGPRGPKGE	-1	training
C07A1_HUMAN	1345	ERGPRGPKGEPGA	-1	training
C07A1_HUMAN	1349	RGPKGEPGAPGV	-1	training
C07A1_HUMAN	1352	KGEPGAPGVIGG	-1	training
C07A1_HUMAN	1361	VIGGEGPGLPGRK	-1	training
C07A1_HUMAN	1364	GEGPGLPGRKGDP	-1	training
C07A1_HUMAN	1370	PGRKGDPGSPGPP	-1	training
C07A1_HUMAN	1372	RKGDGPGSPGPPG	-1	training
C07A1_HUMAN	1375	DPGSPGPPGPRGP	-1	training
C07A1_HUMAN	1376	PGSPGPPGPRGPL	-1	training
C07A1_HUMAN	1378	PSGPPGPRGPLGD	-1	training
C07A1_HUMAN	1381	PPGPRGPLGDPGP	-1	training
C07A1_HUMAN	1385	RGPLGDGPRGPP	-1	training
C07A1_HUMAN	1387	PLGDGPRGPPGL	-1	training
C07A1_HUMAN	1390	DPGPRGPPGLPGT	-1	training
C07A1_HUMAN	1391	PGPRGPPGLPGTA	-1	training
C07A1_HUMAN	1394	RGPPGLPGTAMKG	-1	training

C07A1_HUMAN	1410	DRGERGPPGPGE	-1	training
C07A1_HUMAN	1411	RGERGPPGPGE	-1	training
C07A1_HUMAN	1413	ERGPPGPGE	-1	training
C07A1_HUMAN	1420	GEGGIAPGEPGLP	-1	training
C07A1_HUMAN	1423	GIAPGEPGLPGLP	-1	training
C07A1_HUMAN	1426	PGEPGLPGLPGSP	-1	training
C07A1_HUMAN	1429	PGLPGLPGSPGPQ	-1	training
C07A1_HUMAN	1432	PGLPGSPGPQGPV	-1	training
C07A1_HUMAN	1434	LPGSPGPQGPVGP	-1	training
C07A1_HUMAN	1437	SPGPQGPVGP	-1	training
C07A1_HUMAN	1440	PQGPVGP	-1	training
C07A1_HUMAN	1441	QGPVGP	-1	training
C07A1_HUMAN	1455	DSEDGAPGLPGQP	-1	training
C07A1_HUMAN	1458	DGAPGLPGPGSP	-1	training
C07A1_HUMAN	1461	PGLPGQPGSPGEQ	-1	training
C07A1_HUMAN	1464	PGQPGSPGEQGP	-1	training
C07A1_HUMAN	1469	SPGEQGP	-1	training
C07A1_HUMAN	1472	EQGP	-1	training
C07A1_HUMAN	1473	QGP	-1	training
C07A1_HUMAN	1478	PPGAIGPKGDRGF	-1	training
C07A1_HUMAN	1485	KGDRGFPGPLGEA	-1	training
C07A1_HUMAN	1487	DRGFPGPLGEAGE	-1	training
C07A1_HUMAN	1499	EKGERGPPGPAGS	-1	training
C07A1_HUMAN	1500	KGERGPPGPAGSR	-1	training
C07A1_HUMAN	1502	ERGPPGPAGSRGL	-1	training
C07A1_HUMAN	1509	AGSRGLPGVAGRP	-1	training
C07A1_HUMAN	1515	PGVAGRP	-1	training
C07A1_HUMAN	1520	RPGAKGPEGPPGP	-1	training
C07A1_HUMAN	1523	AKGPEGPPGPTGR	-1	training
C07A1_HUMAN	1524	KGPEGPPGPTGRQ	-1	training
C07A1_HUMAN	1526	PEGPPGPTGRQGE	-1	training
C07A1_HUMAN	1536	QGEKGEPRPGDP	-1	training
C07A1_HUMAN	1539	KGEPGRPGDPAVV	-1	training
C07A1_HUMAN	1542	PGRPGDPAVVGPA	-1	training
C07A1_HUMAN	1547	DPAVVGPAVAGPK	-1	training
C07A1_HUMAN	1552	GPAVAGPKGEKGD	-1	training
C07A1_HUMAN	1561	EKGDVGPAGPRGA	-1	training
C07A1_HUMAN	1564	DVGPAGPRGATGV	-1	training
C07A1_HUMAN	1576	VQGERGPPGLVLP	-1	training
C07A1_HUMAN	1577	QGERGPPGLVLP	-1	training
C07A1_HUMAN	1582	PPGLVLP	-1	training
C07A1_HUMAN	1585	LVLPGDPGPKGDP	-1	training
C07A1_HUMAN	1587	LPGDGPKGDP	-1	training
C07A1_HUMAN	1591	PGPKGDPGDRGPI	-1	training
C07A1_HUMAN	1596	DPGDRGPIGLTGR	-1	training
C07A1_HUMAN	1605	LTGRAGPPGDSGP	-1	training
C07A1_HUMAN	1606	TGRAGPPGDSGPP	-1	training
C07A1_HUMAN	1611	PPGDSGPPGEKGD	-1	training
C07A1_HUMAN	1612	PGDSGPPGEKGD	-1	training
C07A1_HUMAN	1618	PGEKGDPRPGPP	-1	training
C07A1_HUMAN	1621	KGDPGRPGPPGPV	-1	training
C07A1_HUMAN	1623	DPGRPGPPGPVGP	-1	training
C07A1_HUMAN	1624	PGRPGPPGPVGP	-1	training
C07A1_HUMAN	1626	RPGPPGPVGP	-1	training

C07A1_HUMAN	1629	PPGPVGPGRDGE	-1	training
C07A1_HUMAN	1644	EKGDEGPPGDPGL	-1	training
C07A1_HUMAN	1645	KGDEGPPGDPGLP	-1	training
C07A1_HUMAN	1648	EGPPGDPGLPGKA	-1	training
C07A1_HUMAN	1651	PGDPGLPGKAGER	-1	training
C07A1_HUMAN	1663	RGLRGAPGVRGPV	-1	training
C07A1_HUMAN	1668	APGVRGPVGEKGD	-1	training
C07A1_HUMAN	1678	KGDQGDPGEDGRN	-1	training
C07A1_HUMAN	1687	DGRNGSPGSSGPK	-1	training
C07A1_HUMAN	1692	SPGSSGPKGDRGE	-1	training
C07A1_HUMAN	1699	KGDRGEPGPPGPP	-1	training
C07A1_HUMAN	1701	DRGEPGPPGPPGR	-1	training
C07A1_HUMAN	1702	RGEPGPPGPPGRL	-1	training
C07A1_HUMAN	1704	EPGPPGPPGRLVD	-1	training
C07A1_HUMAN	1705	PGPPGPPGRLVDT	-1	training
C07A1_HUMAN	1713	RLVDTGPGAREKG	-1	training
C07A1_HUMAN	1721	AREKGEPGDRGQE	-1	training
C07A1_HUMAN	1729	DRGQEGPRGPKGD	-1	training
C07A1_HUMAN	1732	QEGPRGPKGDPGL	-1	training
C07A1_HUMAN	1736	RGPKGDPGLPGAP	-1	training
C07A1_HUMAN	1739	KGDPGLPGAPGER	-1	training
C07A1_HUMAN	1742	PGLPGAPGERGIE	-1	training
C07A1_HUMAN	1753	IEGFRGPPGPQGD	-1	training
C07A1_HUMAN	1754	EGFRGPPGPQGDP	-1	training
C07A1_HUMAN	1756	FRGPPGPQGDPGV	-1	training
C07A1_HUMAN	1760	PGPQGDPGVRGPA	-1	training
C07A1_HUMAN	1765	DPGVRGPAGEKGD	-1	training
C07A1_HUMAN	1774	EKGDRGPPGLDGR	-1	training
C07A1_HUMAN	1775	KGDRGPPGLDGRS	-1	training
C07A1_HUMAN	1787	SGLDGKPGAAGPS	-1	training
C07A1_HUMAN	1792	KPGAAGPSGPNGA	-1	training
C07A1_HUMAN	1795	AAGPSGPNGAAGK	-1	training
C07A1_HUMAN	1805	AGKAGDPGRDGLP	-1	training
C07A1_HUMAN	1811	PGRDGLPGLRGEQ	-1	training
C07A1_HUMAN	1820	RGEQGLPGPSGPP	-1	training
C07A1_HUMAN	1822	EQGLPGPSGPPGL	-1	training
C07A1_HUMAN	1825	LPGPSGPPGLPGK	-1	training
C07A1_HUMAN	1826	PGPSGPPGLPGKP	-1	training
C07A1_HUMAN	1829	SGPPGLPGKPGED	-1	training
C07A1_HUMAN	1832	PGLPGKPGEDGKP	-1	training
C07A1_HUMAN	1838	PGEDGKPGLNKN	-1	training
C07A1_HUMAN	1847	NGKNGEPGDPGED	-1	training
C07A1_HUMAN	1850	NGEPGDPGEDGRK	-1	training
C07A1_HUMAN	1873	REGRDGPKGERGA	-1	training
C07A1_HUMAN	1880	KGERGAPGILGPQ	-1	training
C07A1_HUMAN	1885	APGILGPQGPPGL	-1	training
C07A1_HUMAN	1888	ILGPQGPPGLPGP	-1	training
C07A1_HUMAN	1889	LGPQGPPGLPGPV	-1	training
C07A1_HUMAN	1892	QGPPGLPGVPVGP	-1	training
C07A1_HUMAN	1894	PPGLPGVPVPPGQ	-1	training
C07A1_HUMAN	1897	LPGPVGPPGQGFP	-1	training
C07A1_HUMAN	1898	PGPVGPPGQGFP	-1	training
C07A1_HUMAN	1903	PPGQGFPVPGGT	-1	training
C07A1_HUMAN	1906	QGFPGVPGGTGPK	-1	training



C07A1_HUMAN	1911	VPGGTGPKGDRGE	-1	training
C07A1_HUMAN	1927	KGEQGLPGERGLR	-1	training
C07A1_HUMAN	1936	RGLRGEPGSVPNV	-1	training
C07A1_HUMAN	1940	GEPGSVPNVDRLL	-1	training
C07A1_HUMAN	1972	SSGSFLVPERRRR	-1	training
C07A1_HUMAN	1974	GSFLVPERRRRGP	-1	training
C07A1_HUMAN	1980	PERRRGPKGDSGE	-1	training
C07A1_HUMAN	1989	DSGEQGPPGKEGP	-1	training
C07A1_HUMAN	1990	SGEQGPPGKEGPI	-1	training
C07A1_HUMAN	1995	PPGKEGPIGFPGE	-1	training
C07A1_HUMAN	1999	EGPIGFPGERGLK	-1	training
C07A1_HUMAN	2011	KGDRGDPGPQGGP	-1	training
C07A1_HUMAN	2013	DRGDPGPQGGPGL	-1	training
C07A1_HUMAN	2016	DGPQGGPGLALG	-1	training
C07A1_HUMAN	2017	PGPQGGPGLALGE	-1	training
C07A1_HUMAN	2026	ALGERGPPGPSGL	-1	training
C07A1_HUMAN	2027	LGERGPPGPSGLA	-1	training
C07A1_HUMAN	2029	ERGPPGPSGLAGE	-1	training
C07A1_HUMAN	2036	SGLAGEPGKPGIP	-1	training
C07A1_HUMAN	2039	AGEPGKPGIPGLP	-1	training
C07A1_HUMAN	2042	PGKPGIPGLPGRA	-1	training
C07A1_HUMAN	2045	PGIPGLPGRAGGV	-1	training
C07A1_HUMAN	2057	VGEAGRPGERGER	-1	training
C07A1_HUMAN	2077	EQGRDGPGLPGT	-1	training
C07A1_HUMAN	2078	QGRDGPGLPGTP	-1	training
C07A1_HUMAN	2081	DGPPGLPGTPGPP	-1	training
C07A1_HUMAN	2084	PGLPGTPGPPGPP	-1	training
C07A1_HUMAN	2086	LPGTPGPPGPPGP	-1	training
C07A1_HUMAN	2087	PGTPGPPGPPGPK	-1	training
C07A1_HUMAN	2089	TPGPPGPPGPKVS	-1	training
C07A1_HUMAN	2090	PGPPGPPGPKVSV	-1	training
C07A1_HUMAN	2092	PPGPPGPKVSVDE	-1	training
C07A1_HUMAN	2099	KVSVDEPGPGLSG	-1	training
C07A1_HUMAN	2101	SVDEPGPGLSGEQ	-1	training
C07A1_HUMAN	2109	LSGEQGPGLKGA	-1	training
C07A1_HUMAN	2110	SGEQGPGLKGAK	-1	training
C07A1_HUMAN	2119	KGAKGEPSNGDQ	-1	training
C07A1_HUMAN	2127	SNGDQGPKGDRGV	-1	training
C07A1_HUMAN	2134	KGDRGVPGIKGDR	-1	training
C07A1_HUMAN	2143	KGDRGEPGRGQD	-1	training
C07A1_HUMAN	2145	DRGEPGRGQDGN	-1	training
C07A1_HUMAN	2152	RGQDGNPGLPGER	-1	training
C07A1_HUMAN	2155	DGNPGLPGERGMA	-1	training
C07A1_HUMAN	2163	ERMAGPEGKPGL	-1	training
C07A1_HUMAN	2172	KPGLQGPRGPPGP	-1	training
C07A1_HUMAN	2175	LQGRGPPGPVGG	-1	training
C07A1_HUMAN	2178	PRGPPGPVGGHGD	-1	training
C07A1_HUMAN	2187	GHGDPGPPGAPGL	-1	training
C07A1_HUMAN	2191	PGPPGAPGLAGPA	-1	training
C07A1_HUMAN	2196	APGLAGPAGPQGP	-1	training
C07A1_HUMAN	2199	LAGPAGPQGPSGL	-1	training
C07A1_HUMAN	2202	PAGPQGPSGLKGE	-1	training
C07A1_HUMAN	2209	SGLKGEPGETGPP	-1	training
C07A1_HUMAN	2214	EPGETGPPGRGLT	-1	training

C07A1_HUMAN	2215	PGETGPPGRGLTG	-1	training
C07A1_HUMAN	2222	GRGLTGPTGAVGL	-1	training
C07A1_HUMAN	2229	TGAVGLPGPPGPS	-1	training
C07A1_HUMAN	2231	AVGLPGPPGPSGL	-1	training
C07A1_HUMAN	2232	VGLPGPPGPSGLV	-1	training
C07A1_HUMAN	2234	LPGPPGPSGLVGP	-1	training
C07A1_HUMAN	2240	PSGLVGPQGSPGL	-1	training
C07A1_HUMAN	2244	VGPQGSPGLPGQV	-1	training
C07A1_HUMAN	2247	QGSPGLPGQVGET	-1	training
C07A1_HUMAN	2256	VGETGKPGAPGRD	-1	training
C07A1_HUMAN	2259	TGKPGAPGRDGAS	-1	training
C07A1_HUMAN	2274	DGDRGSPGVPGSP	-1	training
C07A1_HUMAN	2277	RGSPGVPGSPGLP	-1	training
C07A1_HUMAN	2280	PGVPGSPGLPGPV	-1	training
C07A1_HUMAN	2283	PGSPGLPGPVGPK	-1	training
C07A1_HUMAN	2285	SPGLPGPVGPKGE	-1	training
C07A1_HUMAN	2288	LPGPVGPKGEPGP	-1	training
C07A1_HUMAN	2292	VGPKGEPGPTGAP	-1	training
C07A1_HUMAN	2294	PKGEPGPTGAPGQ	-1	training
C07A1_HUMAN	2298	PGPTGAPGQAVVG	-1	training
C07A1_HUMAN	2306	QAVVGLPGAKEK	-1	training
C07A1_HUMAN	2315	KGEKGAPGGLAGD	-1	training
C07A1_HUMAN	2326	GDLVGEPGAKGDR	-1	training
C07A1_HUMAN	2335	KGDRGLPGPRGEK	-1	training
C07A1_HUMAN	2337	DRGLPGPRGEKGE	-1	training
C07A1_HUMAN	2350	AGRAGEPGDPGED	-1	training
C07A1_HUMAN	2353	AGEPGDPGEDGQK	-1	training
C07A1_HUMAN	2362	DGQKGAPGPKGFK	-1	training
C07A1_HUMAN	2364	QKGAPGPKGFKGD	-1	training
C07A1_HUMAN	2371	KGFKGDPGVGVPG	-1	training
C07A1_HUMAN	2376	DPGVGVPGSPGPP	-1	training
C07A1_HUMAN	2379	VGVPGSPGPPGPP	-1	training
C07A1_HUMAN	2381	VPSPGPPGPPGV	-1	training
C07A1_HUMAN	2382	PGSPGPPGPPGVK	-1	training
C07A1_HUMAN	2384	SPGPPGPPGVKGD	-1	training
C07A1_HUMAN	2385	PGPPGPPGVKGD	-1	training
C07A1_HUMAN	2394	KGDLGLPGLPGAP	-1	training
C07A1_HUMAN	2397	LGLPGLPGAPGVV	-1	training
C07A1_HUMAN	2400	PGLPGAPGVVGFP	-1	training
C07A1_HUMAN	2406	PGVVGFPGQTGPR	-1	training
C07A1_HUMAN	2411	FPGQTGPRGEMGQ	-1	training
C07A1_HUMAN	2418	RGEMGQPGPSGER	-1	training
C07A1_HUMAN	2420	EMGQPGPSGERGL	-1	training
C07A1_HUMAN	2429	ERLAGPPGREGI	-1	training
C07A1_HUMAN	2430	RGLAGPPGREGIP	-1	training
C07A1_HUMAN	2436	PGREGIPGPLGPP	-1	training
C07A1_HUMAN	2438	REGIPGPLGPPGP	-1	training
C07A1_HUMAN	2441	IPGPLGPPGPPGS	-1	training
C07A1_HUMAN	2442	PGPLGPPGPPGSV	-1	training
C07A1_HUMAN	2444	PLGPPGPPGSVGP	-1	training
C07A1_HUMAN	2445	LGPPGPPGSVGPP	-1	training
C07A1_HUMAN	2450	PPGSVGPPGASGL	-1	training
C07A1_HUMAN	2451	PGSVGPPGASGLK	-1	training
C07A1_HUMAN	2463	KGDKGDPGVGLPG	-1	training

C07A1_HUMAN	2468	DPGVGLPGPRGER	-1	training
C07A1_HUMAN	2470	GVGLPGPRGERGE	-1	training
C07A1_HUMAN	2477	RGERGEPGIRGED	-1	training
C07A1_HUMAN	2486	RGEDGRPGQEGPR	-1	training
C07A1_HUMAN	2491	RPGQEGPRGLTGP	-1	training
C07A1_HUMAN	2497	PRGLTGPPGSRGE	-1	training
C07A1_HUMAN	2498	RGLTGPPGSRGER	-1	training
C07A1_HUMAN	2528	SAVILGPPGPRGA	-1	training
C07A1_HUMAN	2529	AVILGPPGPRGAK	-1	training
C07A1_HUMAN	2531	ILGPPGPRGAKGD	-1	training
C07A1_HUMAN	2543	DMGERGPRGLDGD	-1	training
C07A1_HUMAN	2552	LDGDKGPRGDNGD	-1	training
C07A1_HUMAN	2559	RGDNGDPGDKGSK	-1	training
C07A1_HUMAN	2568	KGSKGEPGDKGSA	-1	training
C07A1_HUMAN	2577	KGSAGLPGLRGLL	-1	training
C07A1_HUMAN	2585	LRLLGPQGQPGA	-1	training
C07A1_HUMAN	2589	LGPQGQPGAAGIP	-1	training
C07A1_HUMAN	2595	PGAAGIPGDPGSP	-1	training
C07A1_HUMAN	2598	AGIPGDPGSPGKD	-1	training
C07A1_HUMAN	2601	PGDPGSPGKDGP	-1	training
C07A1_HUMAN	2607	PGKDGVPGIRGEK	-1	training
C07A1_HUMAN	2621	DVGFMGPRGLKGE	-1	training
C07A1_HUMAN	2648	DKGEAGPPGRPGL	-1	training
C07A1_HUMAN	2649	KGEAGPPGRPGLA	-1	training
C07A1_HUMAN	2652	AGPPGRPGLAGHK	-1	training
C07A1_HUMAN	2681	KEGLIGPKGDRGF	-1	training
C07A1_HUMAN	2691	RGFDGQPGPKGDQ	-1	training
C07A1_HUMAN	2693	FDGQPGPKGDQGE	-1	training
C07A1_HUMAN	2706	KGERGTPGIGGFP	-1	training
C07A1_HUMAN	2712	PGIGGFPGPSGND	-1	training
C07A1_HUMAN	2714	IGGFPGPSGNDGS	-1	training
C07A1_HUMAN	2723	NDGSAGPPGPPGS	-1	training
C07A1_HUMAN	2724	DGSAGPPGPPGSV	-1	training
C07A1_HUMAN	2726	SAGPPGPPGSVGP	-1	training
C07A1_HUMAN	2727	AGPPGPPGSVGPR	-1	training
C07A1_HUMAN	2732	PPGSVGPRGPEGL	-1	training
C07A1_HUMAN	2735	SVGPRGPEGLQQQ	-1	training
C07A1_HUMAN	2747	QKGERGPPGERVV	-1	training
C07A1_HUMAN	2748	KGERGPPGERVVG	-1	training
C07A1_HUMAN	2756	ERVVGAPGVPGAP	-1	training
C07A1_HUMAN	2759	VGAPGVPGAPGER	-1	training
C07A1_HUMAN	2762	PGVPGAPGERGEQ	-1	training
C07A1_HUMAN	2771	RGEQGRPGPAGPR	-1	training
C07A1_HUMAN	2773	EQGRPGPAGPRGE	-1	training
C07A1_HUMAN	2776	RPGPAGPRGEKGE	-1	training
C07A1_HUMAN	2815	IASGSRPLPSYAA	-1	training
C07A1_HUMAN	2817	SGSRPLPSYAADT	-1	training
C07A1_HUMAN	2832	SQLHAVPVLRVSH	-1	training
C07A1_HUMAN	2846	EEEERVPPEDDEY	-1	training
C07A1_HUMAN	2847	EEERVPPEDDEYS	-1	training
C07A1_HUMAN	2866	VEEYQDPEAPWDS	-1	training
C07A1_HUMAN	2869	YQDPEAPWDSDDP	-1	training
C07A1_HUMAN	2875	PWDSDDPCSLPLD	-1	training
C07A1_HUMAN	2879	DDPCSLPLDEGSC	-1	training

C07A1_HUMAN	2906	STEACHPFVYGGC	-1	training
C07A1_HUMAN	2930	ACERRCPPRVVS	-1	training
C07A1_HUMAN	2931	CERRCPPRVVSQ	-1	training
C07AB_CONGE	4	XXXCKSPGTPCSR	1	training
C07AB_CONGE	7	CKSPGTPCSRGM	1	training
C07B_CONDE	4	XXXDCIPGGEND	1	training
C07B_CONDE	14	NCDVFRPYRCCSG	1	training
C09A2_CHICK	158	PGKPGPPGHIQGV	1	training
C09A2_CHICK	178	CPTNCPGPKGPQ	1	training
C09A2_CHICK	6	XMAHRSPALCLLL	-1	training
C09A2_CHICK	26	LAQLRGPPGEPGP	-1	training
C09A2_CHICK	27	AQLRGPPGEPGPR	-1	training
C09A2_CHICK	30	RGPPGEPGPRGPP	-1	training
C09A2_CHICK	32	PPGEPGPRGPPGP	-1	training
C09A2_CHICK	35	EPGPRGPPGPPGV	-1	training
C09A2_CHICK	36	PGPRGPPGPPGVP	-1	training
C09A2_CHICK	38	PRGPPGPPGVPGA	-1	training
C09A2_CHICK	39	RGPPGPPGVPGAD	-1	training
C09A2_CHICK	42	PGPPGVPGADGID	-1	training
C09A2_CHICK	54	DGDKGSPGAPGSP	-1	training
C09A2_CHICK	57	KGSPGAPGSPGAK	-1	training
C09A2_CHICK	60	PGAPGSPGAKGEP	-1	training
C09A2_CHICK	66	PGAKGEPGAPGPD	-1	training
C09A2_CHICK	69	KGEPGAPGPDGPP	-1	training
C09A2_CHICK	71	EPGAPGPDGPPGK	-1	training
C09A2_CHICK	74	APGPDGPPGKPG	-1	training
C09A2_CHICK	75	PGPDGPPGKPG	-1	training
C09A2_CHICK	78	DGPPGKPG	-1	training
C09A2_CHICK	92	AKGSRGPWGQGL	-1	training
C09A2_CHICK	102	QGLKGQGLPGPP	-1	training
C09A2_CHICK	105	KGQGLPGPPGLP	-1	training
C09A2_CHICK	107	QGLPGPPGLPGP	-1	training
C09A2_CHICK	108	PGLPGPPGLPGPS	-1	training
C09A2_CHICK	111	PGPPGLPGPSLPG	-1	training
C09A2_CHICK	113	PPGLPGPSLPGPP	-1	training
C09A2_CHICK	116	LPGPSLPGPPGLP	-1	training
C09A2_CHICK	118	GPSLPGPPGLPGQ	-1	training
C09A2_CHICK	119	PSLPGPPGLPGQV	-1	training
C09A2_CHICK	122	PGPPGLPGQVGLP	-1	training
C09A2_CHICK	128	PGQVGLPGEIGVP	-1	training
C09A2_CHICK	134	PGEIGVPGPKGDP	-1	training
C09A2_CHICK	136	EIGVPGPKGDPGP	-1	training
C09A2_CHICK	140	PGPKGDPGPDGPR	-1	training
C09A2_CHICK	142	PKGDPGPDGPRGP	-1	training
C09A2_CHICK	145	DGPDGPRGPPGP	-1	training
C09A2_CHICK	148	PDGPRGPPGPPGK	-1	training
C09A2_CHICK	149	DGPRGPPGPPGKP	-1	training
C09A2_CHICK	151	PRGPPGPPGKPGP	-1	training
C09A2_CHICK	152	RGPPGPPGKPGPP	-1	training
C09A2_CHICK	155	PGPPGKPGPPGHI	-1	training
C09A2_CHICK	157	PPGKPGPPGHIQG	-1	training
C09A2_CHICK	173	SADFLCPTNCPPG	-1	training
C09A2_CHICK	177	LCPTNCPPGPKGP	-1	training
C09A2_CHICK	180	TNCPPGPKGPQGL	-1	training

C09A2_CHICK	183	PPGPKGPQGLQGL	-1	training
C09A2_CHICK	196	KGHRGRPGALGEP	-1	training
C09A2_CHICK	202	PGALGEPGQQGKQ	-1	training
C09A2_CHICK	210	QQGKQGPBGDVG	-1	training
C09A2_CHICK	223	SGEQGVPGPPGPQ	-1	training
C09A2_CHICK	225	EQGVPGPPGPQQQ	-1	training
C09A2_CHICK	226	QGVPGPPGPQQQR	-1	training
C09A2_CHICK	228	VPGPPGPQQRGY	-1	training
C09A2_CHICK	235	QQQRGYPGMAGPK	-1	training
C09A2_CHICK	240	YPMAGPKGETGP	-1	training
C09A2_CHICK	246	PKGETGPAGYKGM	-1	training
C09A2_CHICK	262	IGAAGRPGREGPK	-1	training
C09A2_CHICK	267	RPGREGPKGPPGD	-1	training
C09A2_CHICK	270	REGPKGPPGDPGE	-1	training
C09A2_CHICK	271	EGPKGPPGDPGEK	-1	training
C09A2_CHICK	274	KGPPGDPGEKGEL	-1	training
C09A2_CHICK	288	GRGIRGPQGDIGP	-1	training
C09A2_CHICK	294	PQGDIGPKGDMGL	-1	training
C09A2_CHICK	301	KGDMGLPGIDGKD	-1	training
C09A2_CHICK	310	DGKDGTGIPGVK	-1	training
C09A2_CHICK	313	DGTPGIPGVKGTA	-1	training
C09A2_CHICK	322	KGTAGQPGRPGPP	-1	training
C09A2_CHICK	325	AGQPGRPGPPGHR	-1	training
C09A2_CHICK	327	QPGRPGPPGHRGQ	-1	training
C09A2_CHICK	328	PGRPGPPGHRGQA	-1	training
C09A2_CHICK	337	RGQAGLPGQPGSK	-1	training
C09A2_CHICK	340	AGLPGQPGSKGGP	-1	training
C09A2_CHICK	346	PGSKGGPGDKGEV	-1	training
C09A2_CHICK	364	QGITGTPGLDGEP	-1	training
C09A2_CHICK	370	PGLDGEPGPPGDA	-1	training
C09A2_CHICK	372	LDGEPGPPGDAGT	-1	training
C09A2_CHICK	373	DGEPGPPGDAGTA	-1	training
C09A2_CHICK	382	AGTAGVPGLKGDR	-1	training
C09A2_CHICK	393	DRGERGPVGAPGE	-1	training
C09A2_CHICK	397	RGPVGAPGEAGQS	-1	training
C09A2_CHICK	405	EAGQSGPKGEQGP	-1	training
C09A2_CHICK	411	PKGEQGGPGIPGP	-1	training
C09A2_CHICK	412	KGEQGGPGIPGPQ	-1	training
C09A2_CHICK	415	QGPPGIPGPQGLP	-1	training
C09A2_CHICK	417	PPGIPGPQGLPGV	-1	training
C09A2_CHICK	421	PGPQGLPGVKGD	-1	training
C09A2_CHICK	430	KGDKGSPGKTGPK	-1	training
C09A2_CHICK	435	SPGKTGPKGSTGD	-1	training
C09A2_CHICK	442	KGSTGDPGVHGLA	-1	training
C09A2_CHICK	460	KGESGEPGPKGQQ	-1	training
C09A2_CHICK	462	ESGEPGPKGQQGI	-1	training
C09A2_CHICK	475	QGELGFPGPSGDA	-1	training
C09A2_CHICK	477	ELGFPGPSGDAGS	-1	training
C09A2_CHICK	484	SGDAGSPGVRGYP	-1	training
C09A2_CHICK	490	PGVRGYPGPPGPR	-1	training
C09A2_CHICK	492	VRGYPGPPGPRGL	-1	training
C09A2_CHICK	493	RGYPGPPGPRGLL	-1	training
C09A2_CHICK	495	YPGPPGPRGLLGE	-1	training
C09A2_CHICK	505	LGERGVPGMPGQR	-1	training

C09A2_CHICK	508	RGVPGMPGQRGVA	-1	training
C09A2_CHICK	555	GVGAMPPGPPGP	-1	training
C09A2_CHICK	556	VGAMPPGPPGPP	-1	training
C09A2_CHICK	558	AMGPPGPPGPPGP	-1	training
C09A2_CHICK	559	MGPPGPPGPPGPP	-1	training
C09A2_CHICK	561	PPGPPGPPGPPGE	-1	training
C09A2_CHICK	562	PGPPGPPGPPGEQ	-1	training
C09A2_CHICK	564	PPGPPGPPGEQGL	-1	training
C09A2_CHICK	565	PGPPGPPGEQGLH	-1	training
C09A2_CHICK	573	EQGLHGPMGPRGV	-1	training
C09A2_CHICK	576	LHGPMGPRGVPGL	-1	training
C09A2_CHICK	580	MGPRGVPGLLGAA	-1	training
C09A2_CHICK	594	QIGNIGPKGKRGE	-1	training
C09A2_CHICK	612	DTGRGHGPMGPP	-1	training
C09A2_CHICK	615	RGHPGMPGPPGIP	-1	training
C09A2_CHICK	617	HPGMPGPPGIPGL	-1	training
C09A2_CHICK	618	PGMPGPPGIPGLP	-1	training
C09A2_CHICK	621	PGPPGIPGLPGIP	-1	training
C09A2_CHICK	624	PGIPGLPGIPGHA	-1	training
C09A2_CHICK	627	PGLPGIPGHALAG	-1	training
C09A2_CHICK	640	KDGERGPPGVPGD	-1	training
C09A2_CHICK	641	DGERGPPGVPGDA	-1	training
C09A2_CHICK	644	RGPPGVPGDAGRP	-1	training
C09A2_CHICK	650	PGDAGRPGSPGPA	-1	training
C09A2_CHICK	653	AGRPGSPGAGLP	-1	training
C09A2_CHICK	655	RPGSPGAGLPGF	-1	training
C09A2_CHICK	659	PGAGLPGFCEPA	-1	training
C09A2_CHICK	664	LPGFCEPAACLGA	-1	training
C09A2_CHICK	672	ACLGALPTRHGX	-1	training
C09A2_CHICK	674	LGALPTRHGX	-1	training
COC1B_CONCL	65	WCDQDAPHGNCCD	1	training
COEA1_HUMAN	1467	LGPAGPPGGPGLR	1	training
COEA1_HUMAN	1470	AGPPGGPGLRGPK	1	training
COEA1_HUMAN	1482	KGQQGEPGPKGPD	1	training
COEA1_HUMAN	1497	RGEIGLPGPQGPP	1	training
COEA1_HUMAN	1503	PGPQGPPGPQGPS	1	training
COEA1_HUMAN	1517	LSIQGMGMPGEK	1	training
COEA1_HUMAN	1520	QGMGMPGEKGEK	1	training
COEA1_HUMAN	1532	KGDTGLPGPQGIP	1	training
COEA1_HUMAN	1538	PGPQGIPGGVGSP	1	training
COEA1_HUMAN	1544	PGGVGSPGRDGSP	1	training
COEA1_HUMAN	1550	PGRDGSPGQRGLP	1	training
COEA1_HUMAN	1556	PGQRGLPGKDGSS	1	training
COEA1_HUMAN	1565	DGSSGPPGPPGPI	1	training
COEA1_HUMAN	1568	SGPPGPPGPIGIP	1	training
COEA1_HUMAN	1574	PGPIGIPGTPGVP	1	training
COEA1_HUMAN	1577	IGIPGTPGVPGIT	1	training
COEA1_HUMAN	1580	PGTPGVPGITGSM	1	training
COEA1_HUMAN	1595	QGALGPPGVPGAK	1	training
COEA1_HUMAN	1598	LGPPGVPGAKGER	1	training
COEA1_HUMAN	1643	ATLNQIPSHSSI	1	training
COEA1_HUMAN	1656	RTVQGPPGEPGRP	1	training
COEA1_HUMAN	1659	QGPPGEPGRPGSP	1	training
COEA1_HUMAN	1662	PGEPGRPGSPGAP	1	training

COEA1_HUMAN	1665	PGRPGSPGAPGEQ	1	training
COEA1_HUMAN	1668	PGSPGAPGEQGPP	1	training
COEA1_HUMAN	1674	PGEQGGPGTPGFP	1	training
COEA1_HUMAN	1677	QGPPGTPGFPGNA	1	training
COEA1_HUMAN	1680	PGTPGFPGNAGVP	1	training
COEA1_HUMAN	1686	PGNAGVPGTPGER	1	training
COEA1_HUMAN	1689	AGVPGTPGERGLT	1	training
COEA1_HUMAN	1704	KGEKGNPGVGTQG	1	training
COEA1_HUMAN	1715	QGPRGPPGPAGPS	1	training
COEA1_HUMAN	1726	PSGESRPGSPGPP	1	training
COEA1_HUMAN	1729	ESRPGSPGPPGSP	1	training
COEA1_HUMAN	1732	PGSPGPPGSPGPR	1	training
COEA1_HUMAN	1735	PGPPGSPGPRGPP	1	training
COEA1_HUMAN	1741	PGPRGPPGHLGVP	1	training
COEA1_HUMAN	1747	PGHLGVPGPQGPS	1	training
COEA1_HUMAN	1756	QGPSGQPGYCDPS	1	training
COEA1_HUMAN	14	MRYWLLPPFLAIV	-1	training
COEA1_HUMAN	15	RYWLLPPFLAIVY	-1	training
COEA1_HUMAN	32	VQGQVAPPTRLRY	-1	training
COEA1_HUMAN	33	QGQVAPPTRLRYN	-1	training
COEA1_HUMAN	53	QISWKAPRGKFGG	-1	training
COEA1_HUMAN	66	YKLLVTPTSGGKT	-1	training
COEA1_HUMAN	91	IIQGLMPDQNYTV	-1	training
COEA1_HUMAN	110	KDKESKPAQQQFR	-1	training
COEA1_HUMAN	126	LEKRKDPKPRVKV	-1	training
COEA1_HUMAN	128	KRKDPKPRVKVVD	-1	training
COEA1_HUMAN	141	RGNGSRPSSPEEV	-1	training
COEA1_HUMAN	144	GSRPSSPEEVKFV	-1	training
COEA1_HUMAN	154	KFVCQTPAIADIV	-1	training
COEA1_HUMAN	206	AQYSGDPRIEWHL	-1	training
COEA1_HUMAN	229	EAVRNLPYKGGNT	-1	training
COEA1_HUMAN	251	FENSFKPEAGSRT	-1	training
COEA1_HUMAN	277	SQDDIIPPSRNL	-1	training
COEA1_HUMAN	278	QDDIIPPSRNLRE	-1	training
COEA1_HUMAN	309	QEIASPDSTHVY	-1	training
COEA1_HUMAN	355	AHAITGPPTELIT	-1	training
COEA1_HUMAN	356	HAITGPPTELIT	-1	training
COEA1_HUMAN	377	VNWTHAPGNVEKY	-1	training
COEA1_HUMAN	389	YRVVYYPTRGGKP	-1	training
COEA1_HUMAN	395	PTRGGKPDEVVVD	-1	training
COEA1_HUMAN	444	ETTLALPMASDLL	-1	training
COEA1_HUMAN	467	VKWDAVPGASGYL	-1	training
COEA1_HUMAN	478	YLILYAPLTEGLA	-1	training
COEA1_HUMAN	506	ELSGLLPNTEYTV	-1	training
COEA1_HUMAN	525	GEEASDPVTGQET	-1	training
COEA1_HUMAN	537	TTLALSPPRNLRI	-1	training
COEA1_HUMAN	538	TLALSPPRNLRI	-1	training
COEA1_HUMAN	557	ARLTWDPTSRQIN	-1	training
COEA1_HUMAN	584	NEVEVDPITTFPL	-1	training
COEA1_HUMAN	589	DPITTFPLKGLTP	-1	training
COEA1_HUMAN	595	PLKGLTPLTEYTI	-1	training
COEA1_HUMAN	614	DEGQSEPLTGVFT	-1	training
COEA1_HUMAN	625	FTTEEVPAQQYLE	-1	training
COEA1_HUMAN	646	FRVTWHPLSADEG	-1	training

COEA1_HUMAN	660	HKLMWIPVYGGKT	-1	training
COEA1_HUMAN	685	VIEGLEPGTEYEV	-1	training
COEA1_HUMAN	720	DSFWTEPATTIVP	-1	training
COEA1_HUMAN	726	PATTIVPTTSVTS	-1	training
COEA1_HUMAN	776	MTAQGDPEEEVIG	-1	training
COEA1_HUMAN	787	IGTVMVPGSQNNL	-1	training
COEA1_HUMAN	797	NNLLLKPLLPDTE	-1	training
COEA1_HUMAN	800	LLKPLLPDTEYKV	-1	training
COEA1_HUMAN	810	YKVTVTPIYTDGE	-1	training
COEA1_HUMAN	823	GVSVSAPGKTLPS	-1	training
COEA1_HUMAN	828	APGKTLPSGPQN	-1	training
COEA1_HUMAN	832	TLPSGPQNLRS	-1	training
COEA1_HUMAN	851	LRITWDPSSPVK	-1	training
COEA1_HUMAN	852	RITWDPSSPVKG	-1	training
COEA1_HUMAN	855	WDPSSPVKGYRI	-1	training
COEA1_HUMAN	865	YRIVYKPVSVPGP	-1	training
COEA1_HUMAN	869	YKPVSVPGTLET	-1	training
COEA1_HUMAN	871	PVSVPGTLETfv	-1	training
COEA1_HUMAN	979	CFYGLQPDSEYKI	-1	training
COEA1_HUMAN	997	LQEIEGPSVSIME	-1	training
COEA1_HUMAN	1009	EKTQSLPTRPPTF	-1	training
COEA1_HUMAN	1012	QSLPTRPPTFPPT	-1	training
COEA1_HUMAN	1013	SLPTRPPTFPPTI	-1	training
COEA1_HUMAN	1016	TRPPTFPPTIPPA	-1	training
COEA1_HUMAN	1017	RPPTFPPTIPPAK	-1	training
COEA1_HUMAN	1020	TFPPTIPPAKEVC	-1	training
COEA1_HUMAN	1021	FPPTIPPAKEVCK	-1	training
COEA1_HUMAN	1081	VQFTDDPRTEFKL	-1	training
COEA1_HUMAN	1135	GTRRGIPKVIVVI	-1	training
COEA1_HUMAN	1184	VSIGSKPSARHVF	-1	training
COEA1_HUMAN	1218	TASATCPVVHKDG	-1	training
COEA1_HUMAN	1253	EGVSMEPGTFNVF	-1	training
COEA1_HUMAN	1260	GTFNVFPCYQLHK	-1	training
COEA1_HUMAN	1273	DALVSQPTRYLHP	-1	training
COEA1_HUMAN	1279	PTRYLHPEGLPSD	-1	training
COEA1_HUMAN	1283	LHPEGLPSDYTIS	-1	training
COEA1_HUMAN	1296	FLFRILPDTPQEP	-1	training
COEA1_HUMAN	1299	RILPDTPQEPFAL	-1	training
COEA1_HUMAN	1302	PDTPQEPFALWEI	-1	training
COEA1_HUMAN	1315	LNKNSDPLVGUIL	-1	training
COEA1_HUMAN	1347	TVTFEGPEIRKIF	-1	training
COEA1_HUMAN	1406	MVRSRGGPGNSAP	-1	training
COEA1_HUMAN	1412	PGGNSAPFQLQMF	-1	training
COEA1_HUMAN	1436	DKCCELPGLRDDE	-1	training
COEA1_HUMAN	1445	RDDESCPDLPHSC	-1	training
COEA1_HUMAN	1448	ESCPDLPHSCSCS	-1	training
COEA1_HUMAN	1463	NEVALGPAGPPGG	-1	training
COEA1_HUMAN	1466	ALGPAGPPGGPGL	-1	training
COEA1_HUMAN	1475	GPGLRGPKGQQGE	-1	training
COEA1_HUMAN	1484	QQGEPGPKGPDGP	-1	training
COEA1_HUMAN	1487	EPGPKGPDGPRGE	-1	training
COEA1_HUMAN	1490	PKGPDGPRGEIGL	-1	training
COEA1_HUMAN	1499	EIGLPGPQGP	-1	training
COEA1_HUMAN	1502	LPGPQGP	-1	training



COEA1_HUMAN	1505	PQGPPGPQGPSGL	-1	training
COEA1_HUMAN	1508	PPGPQGPSGLSIQ	-1	training
COEA1_HUMAN	1534	DTGLPGPQGIPGG	-1	training
COEA1_HUMAN	1564	KDGSSGPPGPPGP	-1	training
COEA1_HUMAN	1567	SSGPPGPPGPIGI	-1	training
COEA1_HUMAN	1570	PPGPPGPIGIPGT	-1	training
COEA1_HUMAN	1588	ITGSMGPQGALGP	-1	training
COEA1_HUMAN	1594	PQGALGPPGVPGA	-1	training
COEA1_HUMAN	1655	IRTVQGGPPGEPGR	-1	training
COEA1_HUMAN	1673	APGEQGGPGTPGF	-1	training
COEA1_HUMAN	1711	GVGTQGPRGPPGP	-1	training
COEA1_HUMAN	1714	TQGPRGPPGPAGP	-1	training
COEA1_HUMAN	1717	PRGPPGPAGPSGE	-1	training
COEA1_HUMAN	1720	PPGPAGPSGESRP	-1	training
COEA1_HUMAN	1731	RPGSPGPPGSPGP	-1	training
COEA1_HUMAN	1737	PPGSPGPRGPPGH	-1	training
COEA1_HUMAN	1740	SPGPRGPPGHLGV	-1	training
COEA1_HUMAN	1749	HLGVPGPQGSPGQ	-1	training
COEA1_HUMAN	1752	VPGPQGPSGQPGY	-1	training
COEA1_HUMAN	1761	QPGYCDPSSCSAY	-1	training
COEA1_HUMAN	1772	AYGVRAPHPDQPE	-1	training
COEA1_HUMAN	1774	GVRAPHPDQPEFT	-1	training
COEA1_HUMAN	1777	APHPDQPEFTPVQ	-1	training
COEA1_HUMAN	1781	DQPEFTPVQDELE	-1	training
COEA1_HUMAN	1794	AMELWGPVXXXX	-1	training
COG16_CONTE	61	LTTCLAPSECCSE	1	training
COMA_CONMR	64	YHAHPKPNFRTL	1	training
COMA_CONMR	17	IFLVLFPMATLQL	-1	training
COMA_CONMR	62	WEYHAHPKPNFRT	-1	training
CONG_BOVIN	78	AGRAGRPGWVGPI	1	training
CONG_BOVIN	96	NGFVGEPGPKGDT	1	training
CONG_BOVIN	108	TGPRGPPGMPGPA	1	training
CONG_BOVIN	111	RGPPGMPGPAGRE	1	training
CONG_BOVIN	129	QGSMPGPGTPGPK	1	training
CONG_BOVIN	132	MGPPGTPGPKGET	1	training
CONG_BOVIN	147	KGGVGAPGIQGFP	1	training
CONG_BOVIN	153	PGIQGFPGPSGLK	1	training
CONG_BOVIN	171	PGETGAPGRAGVT	1	training
CONG_BOVIN	195	SGARGPPGLKGDR	1	training
CONG_BOVIN	5	XXMLLLPLSVLLL	-1	training
CONG_BOVIN	15	LLLLTQPWRSLGA	-1	training
CONG_BOVIN	42	TLVMCSPLESGLP	-1	training
CONG_BOVIN	48	PLESGLPGHDGQD	-1	training
CONG_BOVIN	59	QDGRECPHGEKGD	-1	training
CONG_BOVIN	66	HGEKGDGSPGPA	-1	training
CONG_BOVIN	69	KGDGSPGPAGRA	-1	training
CONG_BOVIN	71	DPGSPGPAGRAGR	-1	training
CONG_BOVIN	83	RPGWVGPIGPKGD	-1	training
CONG_BOVIN	86	WVGPIGPKGDNGF	-1	training
CONG_BOVIN	98	FVGEPGPKGDTGP	-1	training
CONG_BOVIN	104	PKGDTGPRGPPGM	-1	training
CONG_BOVIN	107	DTGPRGPPGMPGP	-1	training
CONG_BOVIN	113	PPGMPGPAGREGP	-1	training
CONG_BOVIN	119	PAGREGPSGKQGS	-1	training

CONG_BOVIN	128	KQGSMPGPGTPGP	-1	training
CONG_BOVIN	134	PPGTPGPKGETGP	-1	training
CONG_BOVIN	140	PKGETGPKGGVGA	-1	training
CONG_BOVIN	155	IQGFPGPSGLKGE	-1	training
CONG_BOVIN	165	KGEKGAPGETGAP	-1	training
CONG_BOVIN	179	RAGVTGPSGAIGP	-1	training
CONG_BOVIN	185	PSGAIGPQGPSGA	-1	training
CONG_BOVIN	188	ATGPQGPPSGARGP	-1	training
CONG_BOVIN	194	PSGARGPPGLKGD	-1	training
CONG_BOVIN	204	KGDRGDPGETGAK	-1	training
CONG_BOVIN	249	KKAVLFPDGGQAVG	-1	training
CONG_BOVIN	285	KGQLASPRSSAEN	-1	training
CONG_BOVIN	321	EGRFTYPTGEILV	-1	training
CONG_BOVIN	336	NWADGEPNNSDEG	-1	training
CONG_BOVIN	344	NSDEGQPENCVEI	-1	training
CONG_BOVIN	352	NCVEIFPDGKWND	-1	training
CONG_BOVIN	360	GKWNDVPCSKQLL	-1	training
CONG7_ARAHY	67	GRDPYSPSQDPYS	1	training
CONG7_ARAHY	74	SQDPYSPSQDPDR	1	training
CONG7_ARAHY	86	RRDPYSPSPYDRR	1	training
CONG7_ARAHY	44	ERANLRPCEQHLM	-1	training
CONG7_ARAHY	64	DSYGRDPYSPSQD	-1	training
CONG7_ARAHY	71	YSPSQDPYSPSQD	-1	training
CONG7_ARAHY	78	YSPSQDPDRRDY	-1	training
CONG7_ARAHY	83	DPDRRDYSPSPY	-1	training
CONG7_ARAHY	88	DPYSPSPYDRRGA	-1	training
CONG7_ARAHY	149	RELRLNPQQCGLR	-1	training
CONG7_ARAHY	157	QCGLRAPQRCDLE	-1	training
CONO_CONGA	2	XXXXXXAPANSVWS	1	training
CONO_CONMU	2	XXXXXXSPANSVWS	1	training
CONOI_CONVL	2	XXXXXXEPNSIWSX	1	training
CONOM_CONVL	2	XXXXXXEPNSMWSX	1	training
COW_CONAA	3	XXXXGCPWDPWCX	1	training
COW_CONAA	6	XGCPWDPWCXXX	-1	training
COW_CONRA	57	LRRSGCPWEPWCG	1	training
COW_CONRA	28	QGDGDQPADRNAV	-1	training
COW_CONRA	35	ADRNAVPRDDNPG	-1	training
COW_CONRA	40	VPRDDNPGGASGK	-1	training
COW_CONRA	60	SGCPWEPWCGXXX	-1	training
COW_CONSE	57	LRRFGCPWQPWCG	1	training
COW_CONSE	28	QGDADQPADRDAV	-1	training
COW_CONSE	35	ADRDAVPRDDNPS	-1	training
COW_CONSE	40	VPRDDNPSGTDGK	-1	training
COW_CONSE	60	FGCPWQPWCGXXX	-1	training
CP2B_CONBE	13	AYGESCPSSCNTC	1	training
CPC_CUCSA	115	NATVSMPPSSSP	1	training
CPC_CUCSA	116	ATVSMPPSSSPP	1	training
CPC_CUCSA	117	TVSMPPSSSPPS	1	training
CPC_CUCSA	121	PPSSSPPSSVMP	1	training
CPC_CUCSA	122	PPSSSPPSSVMPP	1	training
CPC_CUCSA	127	PPSSVMPPVMPP	1	training
CPC_CUCSA	128	PSSVMPPVMPPPP	1	training
CPC_CUCSA	129	SSVMPPVMPPPS	1	training
CPC_CUCSA	133	PPVMPPSPSXX	1	training

CPC_CUCSA	134	PPVMPPSPSXXX	1	training
CPC_CUCSA	136	VMPPSPSXXXXX	1	training
CPC_CUCSA	16	NTGWSVPSSPNFY	-1	training
CPC_CUCSA	19	WSVPSSPNFYSQW	-1	training
CPC_CUCSA	42	SLQFNFPANAENV	-1	training
CPC_CUCSA	74	DVERTSPVIERLD	-1	training
CPC_CUCSA	132	MPPPVMPSPSX	-1	training
CS8A_CONGE	55	TRTCGGPKCTGTC	1	training
CS8A_CONGE	77	CRYNVHPSGWGCG	-1	training
CT1_CONTE	11	GYRMCVPCXXXXX	1	training
CT1_CONTE	2	XXXXXDPCCGYRM	-1	training
CT1A_CONMR	60	GYKLCHPCXXXXX	1	training
CT1A_CONMR	5	XXMRCLPVLIIILL	-1	training
CT1A_CONMR	18	LLTASAPGVVVLPL	-1	training
CT1A_CONMR	24	PGVVVLPKTEDDV	-1	training
CT1A_CONMR	31	KTEDDVPMSSVYG	-1	training
CT5A_CONTE	31	KTDDDVPLSSLRD	-1	training
CT5A_CONVC	49	RCCPGKPCCRIGX	1	training
CT5A_CONVC	10	LLITSTPSVDARL	-1	training
CT5A_CONVC	23	KAKDNMPLASFHD	-1	training
CT5A_CONVC	46	INTRCCPGKPCCR	-1	training
CT5AB_CONTE	63	WCCTAAPLTGRXX	1	training
CT5AB_CONTE	5	XXMRCPFVFIILL	-1	training
CT5AB_CONTE	18	LLIASAPCFDART	-1	training
CT5AB_CONTE	31	KTDDDVPLSPLRD	-1	training
CT5AB_CONTE	34	DDVPLSPLRDNLK	-1	training
CTFA_CONCB	8	RVENKCPHTVCCD	1	training
CTFA_CONCB	27	KLIRTRPLMYHVC	-1	training
CTX_CONMR	60	GVSFCYPCXXXXX	1	training
CTX_CONMR	18	LLTASAPGVDVLP	-1	training
CTX_CONMR	24	PGVDVLPKTEDDV	-1	training
CTX_CONMR	31	KTEDDVPLSSVYG	-1	training
CU5A_CONCL	50	DAADVKPVARTNE	1	training
CU5A_CONCL	58	ARTNEGPRDPAP	1	training
CU5A_CONCL	62	EGPRDPAPCCQH	1	training
CU5A_CONCL	64	PGRDPAPCCQHPI	1	training
CU5A_CONCL	69	APCCQHPIETCCR	-1	training
CUE2A_CONCL	57	SSNKCSPGFPGXX	1	training
CUE2A_CONCL	23	IETEAGPVNEAGV	-1	training
CUE2A_CONCL	42	LVGRGCPADCPNT	-1	training
CUE2A_CONCL	46	GCPADCPNTCDSS	-1	training
CUE2A_CONCL	60	KCSPGFPXXXXX	-1	training
CWP03_PHAVU	6	XNMYLPPVPPPPV	1	training
CWP03_PHAVU	8	MYLPPVPPPPVVP	1	training
CWP03_PHAVU	9	YLPPVPPPPVVPT	1	training
CWP03_PHAVU	10	LPPVPPPPVVPTF	1	training
CWP03_PHAVU	11	PPVPPPPVVPTFX	1	training
CWP03_PHAVU	5	XXNMYLPPVPPPP	-1	training
CWP03_PHAVU	14	PPPPVVPTFXXXX	-1	training
CWP04_PHAVU	8	HYSYSSPPPPPVV	1	training
CWP04_PHAVU	9	YSYSSPPPPPVVS	1	training
CWP04_PHAVU	10	SYSSPPPPPVVSS	1	training
CWP04_PHAVU	11	YSSPPPPPVVSSP	1	training
CWP04_PHAVU	12	SSPPPPPVVSSPP	1	training

CWP04_PHAVU	17	PPVVSSPPPPYYY	1	training
CWP04_PHAVU	18	PVVSSPPPPYYY	1	training
CWP04_PHAVU	19	VVSSPPPPYYYYS	1	training
CWP04_PHAVU	20	VSSPPPPYYYYS	1	training
CWP04_PHAVU	26	PYYYYSPPPPVXX	1	training
CWP04_PHAVU	27	YYYYSPPPPVXXX	1	training
CWP04_PHAVU	28	YYYSPPPPVXXXX	1	training
CWP04_PHAVU	29	YYSPPPPVXXXXX	1	training
CWP31_TOBAC	6	XNYQYSPPPPKK	1	training
CWP31_TOBAC	7	NYQYSPPPPKKK	1	training
CWP31_TOBAC	8	YQYSPPPPKKKY	1	training
CWP31_TOBAC	9	QYSPPPPKKKYY	1	training
CWP31_TOBAC	10	YSPPPPKKKKYYX	1	training
CX21A_CONPU	24	ECLENYPGQASQR	1	training
CX21A_CONPU	43	DATTNCPDTYYFG	1	training
CX21A_CONPU	5	XXFELLPSQDRSC	-1	training
CX21A_CONPU	52	YYFGCCPGYATCM	-1	training
CX21A_CONPU	81	NRLCFDPGHXXX	-1	training
CXA1E_CONRE	6	XGCCSDPRCRYRC	1	training
CXAT1_CONMI	55	ECQVVTGSKWGR	1	training
CXAT1_CONMI	2	XXXXXMPKLEML	-1	training
CXAT1_CONMI	15	LVLLILPLSSFSA	-1	training
CXAT4_CONMS	56	ECQINTPGSSWGK	1	training
CXAT4_CONMS	15	LVLLILPLSYFDV	-1	training
CXAT4_CONMS	40	NGLARYPQRGGRD	-1	training
CXAT5_CONCE	56	ECQIDTPGSSWGK	1	training
CXAT5_CONMS	71	LTRMCGPMCCARS	-1	training
CXPA_CONCF	4	XXXCKCPSCNFND	1	training
CXPA_CONCF	23	CCIFRQPXXXXXX	1	training
CXT11_CONAO	10	GYKMCHPCXXXXX	1	training
CXY17_CONCB	51	GDSCNEPAGELCC	1	training
CXY17_CONCB	16	ALLLLLPLSTAQD	-1	training
CXY17_CONCB	69	VNSRCCPTTDGCX	-1	training
CYC_RICCO	79	YDYLLNPKKYIPG	1	training
CYC_RICCO	7	ASFDEAPPGDVKA	-1	training
CYC_RICCO	8	SFDEAPPGDVKAG	-1	training
CYC_RICCO	38	AGHKQGPNLGLF	-1	training
CYC_RICCO	84	NPKKYIPGTMVF	-1	training
CYC_RICCO	91	GTKMVFPGLKKPQ	-1	training
CYC_RICCO	96	FPGLKKPQDRADL	-1	training
FIBA_HUMAN	565	ESSSHHPGIAEFP	1	training
FIBA_HUMAN	37	GGGVRGPRVVERH	-1	training
FIBA_HUMAN	53	CKDSDWPFCSEDE	-1	training
FIBA_HUMAN	65	DWNYKCPSGCRMK	-1	training
FIBA_HUMAN	214	IAKDLLPSRDRQH	-1	training
FIBA_HUMAN	222	RDRQHLPLIKMKP	-1	training
FIBA_HUMAN	228	PLIKMKPVPDLVP	-1	training
FIBA_HUMAN	230	IKMKPVPDLVPGN	-1	training
FIBA_HUMAN	234	PVPDLVPGNFKSQ	-1	training
FIBA_HUMAN	245	SQLQKVPPEWKAL	-1	training
FIBA_HUMAN	246	QLQKVPPEWKALT	-1	training
FIBA_HUMAN	255	KALTDMPQMRMEL	-1	training
FIBA_HUMAN	264	RMELERPGGNEIT	-1	training
FIBA_HUMAN	286	GSETESPRNPSSA	-1	training

FIBA_HUMAN	289	TESPRNPSSAGSW	-1	training
FIBA_HUMAN	302	NSGSSGPGSTGNR	-1	training
FIBA_HUMAN	310	STGNRNPSSSGTG	-1	training
FIBA_HUMAN	323	GTATWKPGSSGPG	-1	training
FIBA_HUMAN	328	KPGSSGPGSTGSW	-1	training
FIBA_HUMAN	349	STGNQNPSPRPG	-1	training
FIBA_HUMAN	352	NQNPSPRPGSTG	-1	training
FIBA_HUMAN	354	NPGSPRPGSTGTW	-1	training
FIBA_HUMAN	362	STGTWNPGSSERG	-1	training
FIBA_HUMAN	395	ESGSFRPDSPGSG	-1	training
FIBA_HUMAN	398	SFRPDSPGSGNAR	-1	training
FIBA_HUMAN	405	GSGNARPNPDWG	-1	training
FIBA_HUMAN	408	NARPNNPDWGTFE	-1	training
FIBA_HUMAN	422	VSGNVSPGTRREY	-1	training
FIBA_HUMAN	472	TKTVIGPDGHKEV	-1	training
FIBA_HUMAN	492	EDGSDCPEAMD LG	-1	training
FIBA_HUMAN	514	GFRHRHPDEAAFF	-1	training
FIBA_HUMAN	530	STGKTFFPGFFSPM	-1	training
FIBA_HUMAN	535	FPGFFSPMLGEFV	-1	training
FIBA_HUMAN	571	PGIAEFPSRGKSS	-1	training
FIBA_HUMAN	628	GHAksRPVRDCDD	-1	training
FIBA_HUMAN	640	DVLQTHPSGTQSG	-1	training
FIBA_HUMAN	653	IFNIKLPSSKIF	-1	training
FIBA_HUMAN	823	LNGIYYPGGSYDP	-1	training
FIBA_HUMAN	829	PGGSYDPRNNSPY	-1	training
FIBA_HUMAN	834	DPRNNSPYEIE NG	-1	training
FIBA_HUMAN	862	VRMKIRPLVTQXX	-1	training
FP1_MYTED	89	PTYKPKPSYPPTY	1	training
FP1_MYTED	92	KPKPSYPPTYKSK	1	training
FP1_MYTED	93	PKPSYPPTYKSKP	1	training
FP1_MYTED	115	PTYKAKPSYPSSY	1	training
FP1_MYTED	118	KAKPSYPSSYKPK	1	training
FP1_MYTED	148	KPKPSYPPTYKPK	1	training
FP1_MYTED	149	PKPSYPPTYKPKP	1	training
FP1_MYTED	155	PTYKPKPSYPPSY	1	training
FP1_MYTED	158	KPKPSYPPSYKTK	1	training
FP1_MYTED	159	PKPSYPPSYKTKK	1	training
FP1_MYTED	175	SSYKAKPSYPPTY	1	training
FP1_MYTED	178	KAKPSYPPTYKAK	1	training
FP1_MYTED	179	AKPSYPPTYKAKP	1	training
FP1_MYTED	185	PTYKAKPSYPPTY	1	training
FP1_MYTED	211	PTYKAKPTYPSTY	1	training
FP1_MYTED	214	KAKPTYPSTYKAK	1	training
FP1_MYTED	221	STYKAKPSYPPTY	1	training
FP1_MYTED	433	STYKAKPSYPPSY	1	training
FP1_MYTED	436	KAKPSYPPSYKAK	1	training
FP1_MYTED	437	AKPSYPPSYKAKP	1	training
FP1_MYTED	443	PSYKAKPSYPPTY	1	training
FP1_MYTED	469	STYKAKPSYPASY	1	training
FP1_MYTED	472	KAKPSYPASYKAK	1	training
FP1_MYTED	479	ASYKAKPSYPPTY	1	training
FP1_MYTED	482	KAKPSYPPTYKSK	1	training
FP1_MYTED	483	AKPSYPPTYKSKS	1	training
FP1_MYTED	522	KPKPSYPPSYKPK	1	training

FP1_MYTED	523	PKPSYPPSYKPKT	1	training
FP1_MYTED	542	KPKISYPPTYKAK	1	training
FP1_MYTED	543	PKISYPPTYKAKP	1	training
FP1_MYTED	549	PTYKAKPSYPATY	1	training
FP1_MYTED	552	KAKPSYPATYKAK	1	training
FP1_MYTED	559	ATYKAKPSYPPTY	1	training
FP1_MYTED	595	PSYKAKPTYPSTY	1	training
FP1_MYTED	648	KAKPSYPPTYKPK	1	training
FP1_MYTED	649	AKPSYPPTYKPKI	1	training
FP1_MYTED	753	PTYKAKPTYPPTY	1	training
FP1_MYTED	756	KAKPTYPPTYKAK	1	training
FP1_MYTED	757	AKPTYPPTYKAKP	1	training
FP1_MYTED	767	AKPSYPPTYKPKP	1	training
FP1_MYTED	777	PKPSYPPTYKSKS	1	training
FP1_MYTED	817	PKPSYPPSYKPKI	1	training
FP1_MYTED	833	STYKLKPSYPPTY	1	training
FP1_MYTED	836	KLKPSYPPTYKSK	1	training
FP1_MYTED	837	LKPSYPPTYKSKT	1	training
FP1_MYTED	866	KAKTSYPPAYKPT	1	training
FP1_MYTED	867	AKTSYPPAYKPTN	1	training
FP1_MYTED	5	XXTKHEPVYKPVK	-1	training
FP1_MYTED	9	HEPVYKPVKTSYS	-1	training
FP1_MYTED	17	KTSYSAPYKPPTY	-1	training
FP1_MYTED	20	YSAPYKPPTYQPL	-1	training
FP1_MYTED	21	SAPYKPPTYQPLK	-1	training
FP1_MYTED	25	KPPTYQPLKKKVD	-1	training
FP1_MYTED	34	KKVDYRPTKSYPP	-1	training
FP1_MYTED	39	RPTKSYPPPTYGSK	-1	training
FP1_MYTED	40	PTKSYPPPTYGSKT	-1	training
FP1_MYTED	50	SKTNYLPLAKKLS	-1	training
FP1_MYTED	60	KLSSYKPIKTTYN	-1	training
FP1_MYTED	72	NAKTNYPPVYKPK	-1	training
FP1_MYTED	73	AKTNYPPVYKPKM	-1	training
FP1_MYTED	77	YPPVYKPKMTYPP	-1	training
FP1_MYTED	82	KPKMTYPPTYKPK	-1	training
FP1_MYTED	83	PKMTYPPTYKPKP	-1	training
FP1_MYTED	87	YPPTYKPKPSYPP	-1	training
FP1_MYTED	99	PTYKSKPTYKPKI	-1	training
FP1_MYTED	103	SKPTYKPKITYPP	-1	training
FP1_MYTED	108	KPKITYPPTYKAK	-1	training
FP1_MYTED	109	PKITYPPTYKAKP	-1	training
FP1_MYTED	123	YPSSYKPKKTYPP	-1	training
FP1_MYTED	128	KPKKTYPPTYKPK	-1	training
FP1_MYTED	129	PKKTYPPTYKPKL	-1	training
FP1_MYTED	133	YPPTYKPKLTYPP	-1	training
FP1_MYTED	138	KPKLTYPPTYKPK	-1	training
FP1_MYTED	139	PKLTYPPTYKPKP	-1	training
FP1_MYTED	168	KTKKTYPSSYKAK	-1	training
FP1_MYTED	205	PTYKAKPTYKAKP	-1	training
FP1_MYTED	492	KSKSSYPSSYKPK	-1	training
FP1_MYTED	507	YPPTYKPKLTYKP	-1	training
FP1_MYTED	513	PKLTYKPTYKPKP	-1	training
FP1_MYTED	517	YKPTYKPKPSYPP	-1	training
FP1_MYTED	527	YPPSYKPKTTYPP	-1	training

FP1_MYTED	532	KPKTTYPPTYKPK	-1	training
FP1_MYTED	533	PKTTYPPTYKPKI	-1	training
FP1_MYTED	537	YPPTYKPKISYPP	-1	training
FP1_MYTED	589	PTYKAKPSYKAKP	-1	training
FP1_MYTED	691	PTYKAKPTNPSTY	-1	training
FP1_MYTED	694	KAKPTNPSTYKAK	-1	training
FP1_MYTED	747	STYKAKPTYKAKP	-1	training
FP1_MYTED	786	KSKSIYPSSYKPK	-1	training
FP1_MYTED	821	YPPSYKPKITYPS	-1	training
FP1_MYTED	826	KPKITYPSTYKLK	-1	training
FP1_MYTED	846	KSKTSYPPTYNKK	-1	training
FP1_MYTED	847	SKTSYPPTYNKKI	-1	training
FP1_MYTED	856	NKKISYPSSYKAK	-1	training
FP1_MYTED	871	YPPAYKPTNRYXX	-1	training
FP1V2_PERVI	114	AWKAPPPVWTAWK	-1	training
FP1V2_PERVI	123	TAWKATPKPRTAW	-1	training
FP1V2_PERVI	143	TAWKAAPKPWTAW	-1	training
HIF1A_HUMAN	402	ALTLLAPAAGDTI	1	training
HIF1A_HUMAN	564	DLEMLAPYIPMDD	1	training
HIF1A_HUMAN	45	ELAHQLPLPHNVS	-1	training
HIF1A_HUMAN	47	AHQLPLPHNVSSH	-1	training
HIF1A_HUMAN	138	VFDFTHPCDHEEM	-1	training
HIF1A_HUMAN	208	DTNSNQPCGYKK	-1	training
HIF1A_HUMAN	215	QCGYKKPMTCLV	-1	training
HIF1A_HUMAN	216	CGYKKPMTCLVL	-1	training
HIF1A_HUMAN	226	LVLICEPIPHPSN	-1	training
HIF1A_HUMAN	228	LICEPIPHPSNIE	-1	training
HIF1A_HUMAN	230	CEPIPHPSNIEIP	-1	training
HIF1A_HUMAN	236	PSNIEIPLDSKTF	-1	training
HIF1A_HUMAN	267	ELMGYEPEELLGR	-1	training
HIF1A_HUMAN	332	NTKNSQPQCIVCV	-1	training
HIF1A_HUMAN	363	TECVLKPVESSDM	-1	training
HIF1A_HUMAN	394	DKLKKEPDALTLL	-1	training
HIF1A_HUMAN	429	QQLEEVPLYNDVM	-1	training
HIF1A_HUMAN	437	YNDVMLPSPNEKL	-1	training
HIF1A_HUMAN	439	DVMLPSPNEKLQN	-1	training
HIF1A_HUMAN	452	INLAMSPLPTAET	-1	training
HIF1A_HUMAN	454	LAMSPLPTAETPK	-1	training
HIF1A_HUMAN	459	LPTAETPKPLRSS	-1	training
HIF1A_HUMAN	461	TAETPKPLRSSAD	-1	training
HIF1A_HUMAN	468	LRSSADPALNQEV	-1	training
HIF1A_HUMAN	480	VALKLEPNPESLE	-1	training
HIF1A_HUMAN	482	LKLEPNPESLELS	-1	training
HIF1A_HUMAN	492	ELSFTMPQIQDQT	-1	training
HIF1A_HUMAN	499	QIQDQTPSPSDGS	-1	training
HIF1A_HUMAN	501	QDQTPSPSDGSTR	-1	training
HIF1A_HUMAN	511	STRQSSPEPNSPS	-1	training
HIF1A_HUMAN	513	RQSSPEPNSPSEY	-1	training
HIF1A_HUMAN	516	SPEPNSPSEYCFY	-1	training
HIF1A_HUMAN	549	DTEAKNPFSTQDT	-1	training
HIF1A_HUMAN	567	MLAPYIPMDDDFQ	-1	training
HIF1A_HUMAN	582	SFDQLSPLESSSA	-1	training
HIF1A_HUMAN	590	ESSASPESASPQ	-1	training
HIF1A_HUMAN	595	SPESASPQSTVTV	-1	training

HIF1A_HUMAN	610	QTQIQEPTANATT	-1	training
HIF1A_HUMAN	642	KILIASPSPTHIH	-1	training
HIF1A_HUMAN	644	LIASPSPTHIHKE	-1	training
HIF1A_HUMAN	658	TSATSSPYRDTQS	-1	training
HIF1A_HUMAN	669	QSRTASPNRAGKG	-1	training
HIF1A_HUMAN	685	QTEKSHPRSPNVL	-1	training
HIF1A_HUMAN	688	KSHPRSPNVLSVA	-1	training
HIF1A_HUMAN	702	SQRTTVPEEELNP	-1	training
HIF1A_HUMAN	708	PEEELNPKILALQ	-1	training
HIF1A_HUMAN	741	GTLLQQPDDHAAT	-1	training
HIF1A_HUMAN	775	KTIILIPSDLACR	-1	training
HIF1A_HUMAN	793	MDEGLPQLTSYD	-1	training
HIF1A_HUMAN	805	DCEVNAPIQGSRN	-1	training
HIF3A_HUMAN	492	DLEMLAPYISMDD	1	training
HIF3A_HUMAN	42	QLAHTLPFARGVS	-1	training
HIF3A_HUMAN	84	VGAGGEPLDACYL	-1	training
HIF3A_HUMAN	135	IFDFIHPCDQEEL	-1	training
HIF3A_HUMAN	147	LQDALTPQQTLNR	-1	training
HIF3A_HUMAN	159	RRKVEAPTERCFS	-1	training
HIF3A_HUMAN	200	HMRAYKPPAQTSP	-1	training
HIF3A_HUMAN	201	MRAYKPPAQTSPA	-1	training
HIF3A_HUMAN	206	PPAQTSPAGSPDS	-1	training
HIF3A_HUMAN	210	TSPAGSPDSEPPL	-1	training
HIF3A_HUMAN	214	GSPDSEPPLQCLV	-1	training
HIF3A_HUMAN	215	SPDSEPPLQCLVL	-1	training
HIF3A_HUMAN	227	LICEAIPHPGSLE	-1	training
HIF3A_HUMAN	229	CEAIPHPGSLEPP	-1	training
HIF3A_HUMAN	234	HPGSLEPPLGRGA	-1	training
HIF3A_HUMAN	235	PGSLEPPLGRGAF	-1	training
HIF3A_HUMAN	266	EVAGYSPDDLIGC	-1	training
HIF3A_HUMAN	329	VSGGRGPQSESIV	-1	training
HIF3A_HUMAN	363	EQHSRRPIQRGAP	-1	training
HIF3A_HUMAN	369	PIQRGAPSQKDTN	-1	training
HIF3A_HUMAN	375	PSQKDTNPGDSL	-1	training
HIF3A_HUMAN	377	QKDTNPGDSLDT	-1	training
HIF3A_HUMAN	384	GDSLDTPGPRILA	-1	training
HIF3A_HUMAN	386	SLDTPGPRILAFL	-1	training
HIF3A_HUMAN	394	ILAFLHPPSLSEA	-1	training
HIF3A_HUMAN	395	LAFLHPPSLSEAA	-1	training
HIF3A_HUMAN	406	AALAADPRRFCSP	-1	training
HIF3A_HUMAN	412	PRRFCSPDLRRL	-1	training
HIF3A_HUMAN	420	LRRLGPILDGAS	-1	training
HIF3A_HUMAN	431	ASVAATPSTPLAT	-1	training
HIF3A_HUMAN	434	AATPSTPLATRHP	-1	training
HIF3A_HUMAN	440	PLATRHPQSPLSA	-1	training
HIF3A_HUMAN	443	TRHPQSPLSADLP	-1	training
HIF3A_HUMAN	449	PLSADLPDELPVG	-1	training
HIF3A_HUMAN	453	DLPDELPVGTENV	-1	training
HIF3A_HUMAN	509	NASEQLPRAYHRP	-1	training
HIF3A_HUMAN	515	PRAYHRPLGAVPR	-1	training
HIF3A_HUMAN	520	RPLGAVPRPRARS	-1	training
HIF3A_HUMAN	522	LGAVPRPRARSFH	-1	training
HIF3A_HUMAN	532	SFHGLSPPALEPS	-1	training
HIF3A_HUMAN	533	FHGLSPPALEPSL	-1	training



HIF3A_HUMAN	537	SPPALEPSLLPRW	-1	training
HIF3A_HUMAN	541	LEPSLLPRWGSDP	-1	training
HIF3A_HUMAN	547	PRWGSDPRLSCSS	-1	training
HIF3A_HUMAN	554	RLSCSSPSRGDPS	-1	training
HIF3A_HUMAN	559	SPSRGDPSASSPM	-1	training
HIF3A_HUMAN	564	DPSASSPMAGARK	-1	training
HIF3A_HUMAN	591	ELGVRPPKRSPS	-1	training
HIF3A_HUMAN	592	LLGVRPPKRSPSP	-1	training
HIF3A_HUMAN	596	RPPKRSPSPEHEN	-1	training
HIF3A_HUMAN	598	PKRSPSPEHENFL	-1	training
HIF3A_HUMAN	607	ENLLFPLSLSFL	-1	training
HIF3A_HUMAN	618	FLLTGGPAPGSLQ	-1	training
HIF3A_HUMAN	620	LTGGPAPGSLQDP	-1	training
HIF3A_HUMAN	626	PGSLQDPSTPLLN	-1	training
HIF3A_HUMAN	629	LQDPSTPLLNLNE	-1	training
HIF3A_HUMAN	636	LLNLNEPLGLGPS	-1	training
HIF3A_HUMAN	641	EPLGLGPSLLSPY	-1	training
HIF3A_HUMAN	646	GPSLLSPYSEDT	-1	training
HIF3A_HUMAN	655	DEDTTQGGPFQFQ	-1	training
HIF3A_HUMAN	658	TTQGGPFQPRAG	-1	training
HIF3A_HUMAN	661	PGGPFQPRAGSAQ	-1	training
HSY1_SOLLC	51	GNYGRTPYKTPPP	1	training
HSY1_SOLLC	55	RTPYKTPPPPTSS	1	training
HSY1_SOLLC	56	TPYKTPPPPTSSS	1	training
HSY1_SOLLC	57	PYKTPPPPTSSSP	1	training
HSY1_SOLLC	58	YKTPPPPTSSSPT	1	training
HSY1_SOLLC	63	PPTSSSPTHQEIV	1	training
HSY1_SOLLC	79	HDSVLPPSPKTD	1	training
HSY1_SOLLC	80	DSVLPPSPKTD	1	training
HSY1_SOLLC	82	VLPPSPKTDPII	1	training
HSY1_SOLLC	119	HDYVASPPPPKPQ	1	training
HSY1_SOLLC	120	DYVASPPPPKPQD	1	training
HSY1_SOLLC	121	YVASPPPPKPQDE	1	training
HSY1_SOLLC	122	VASPPPPKPQDEQ	1	training
HSY1_SOLLC	78	RHDSVLPPSPKT	-1	training
HSY1_SOLLC	86	PSPKTDPIIGQLT	-1	training
HSY1_SOLLC	98	TTTTTTPHHDDTV	-1	training
HSY1_SOLLC	107	DDTVAAPPVGGRH	-1	training
HSY1_SOLLC	108	DTVAAPPVGGRHD	-1	training
HSY1_SOLLC	124	SPPPPKPQDEQRQ	-1	training
HSY1_SOLLC	141	SSSSTLPLQASYX	-1	training
HSYA_TOBAC	42	RGANLPPSPASS	1	training
HSYA_TOBAC	43	GANLPPSPASSP	1	training
HSYA_TOBAC	45	NLPPSPASSPPS	1	training
HSYA_TOBAC	49	PSPASSPPSKEVS	1	training
HSYA_TOBAC	50	SPASSPPSKEVSN	1	training
HSYA_TOBAC	150	NRKPLSPSPKPA	1	training
HSYA_TOBAC	151	RKPLSPSPKPAD	1	training
HSYA_TOBAC	153	PLSPSPKPADGQ	1	training
HSYA_TOBAC	13	IYLILSPFGAEAR	-1	training
HSYA_TOBAC	41	GRGANLPPSPAS	-1	training
HSYA_TOBAC	91	NQLFSFPTSADNY	-1	training
HSYA_TOBAC	113	FISYLLPVSYVWN	-1	training
HSYA_TOBAC	147	RYWNRKPLSPSP	-1	training

HSYA_TOBAC	155	SPPSPKPADGQRP	-1	training
HSYA_TOBAC	161	PADGQRPLHSYXX	-1	training
HSYB_TOBAC	42	RGTNLPPSPASS	1	training
HSYB_TOBAC	43	GTNLPPSPASSP	1	training
HSYB_TOBAC	13	IYLILSPFRAVSR	-1	training
HSYB_TOBAC	41	GRGTNLPPSPAS	-1	training
HSYB_TOBAC	60	VSNSVSPTRTDEK	-1	training
HSYB_TOBAC	89	NSNQLFPFLTSSD	-1	training
HSYB_TOBAC	112	SISYLLPVSYVWK	-1	training
HSYB_TOBAC	146	KYWNRKPLSPSP	-1	training
HSYB_TOBAC	154	SPPSPKPADGHRP	-1	training
HSYB_TOBAC	160	PADGHRPLQSYXX	-1	training
KPYM_HUMAN	403	ELRRLAPITSDPT	1	training
KPYM_HUMAN	408	APITSDPTEATAV	1	training
KPYM_HUMAN	4	XXXMSKPHSEAGT	-1	training
KPYM_HUMAN	38	RLDIDSPITARN	-1	training
KPYM_HUMAN	39	LDIDSPITARNT	-1	training
KPYM_HUMAN	53	IICTIGPASRSVE	-1	training
KPYM_HUMAN	102	ESFASDPILYRPV	-1	training
KPYM_HUMAN	107	DPILYRPVAVALD	-1	training
KPYM_HUMAN	117	ALDTKGPEIRTGL	-1	training
KPYM_HUMAN	212	KKGVNLPGAAVDL	-1	training
KPYM_HUMAN	219	GAAVDLPVSEKD	-1	training
KPYM_HUMAN	302	DLGIEIPAENVFL	-1	training
KPYM_HUMAN	323	CNRAGKPVICATQ	-1	training
KPYM_HUMAN	338	ESMIKKPRPTRAE	-1	training
KPYM_HUMAN	340	MIKKPRPTRAECS	-1	training
KPYM_HUMAN	371	TAKGDYPLEAVRM	-1	training
KPYM_HUMAN	446	QVARYRPRAPIIA	-1	training
KPYM_HUMAN	449	RYPRAPPIIAVTR	-1	training
KPYM_HUMAN	457	IAVTRNPQTARQA	-1	training
KPYM_HUMAN	471	LYRGIFPVLCCKDP	-1	training
KPYM_HUMAN	477	PVLCCKDPVQEAWA	-1	training
KPYM_HUMAN	517	VLGTWRPGSGFTN	-1	training
KPYM_HUMAN	529	NTMRVVPVPXXXX	-1	training
KPYM_HUMAN	531	MRVVPVPVXXXXXX	-1	training
LAN91_MICS0	14	TPGCTSPGGGSNC	1	training
LAN91_MICS0	9	SWSLCTPGCTSPG	-1	training
0226A_CONTE	58	WQYCESPTDCCSW	1	training
0226A_CONTE	26	LFQEKRPMMKIDF	-1	training
0236D_CONTE	49	QQKRLCPDYTDPC	1	training
0236D_CONTE	54	CPDYTDPCSHAHE	1	training
0236D_CONTE	26	VLQEKRPKEKIKF	-1	training
0236E_CONTE	49	QQKRLCPDYTEPC	1	training
0236E_CONTE	54	CPDYTEPCSHAHE	1	training
OSTCN_BOVIN	60	DHWLGAPAPYPDP	1	training
OSTCN_BOVIN	4	XXXMRTPMLLALL	-1	training
OSTCN_BOVIN	25	GRADAKPGDAESG	-1	training
OSTCN_BOVIN	62	WLGAPAPYDPLE	-1	training
OSTCN_BOVIN	64	GAPAPYDPLEPK	-1	training
OSTCN_BOVIN	66	PAPYDPLEPKRE	-1	training
OSTCN_BOVIN	69	YPDPLEPKREVCE	-1	training
OSTCN_BOVIN	78	EVCELNPDCDELA	-1	training
OSTCN_BOVIN	99	YRRFYGPVXXXXX	-1	training

OSTCN_CAMBA;OSTCN_CAMDR 9	DHGLGAPAPYVDP	1	training
OSTCN_CAMBA;OSTCN_CAMDR 11	GLGAPAPYVDPLE	-1	training
OSTCN_CAMBA;OSTCN_CAMDR 15	PAPYVDPLEPKRE	-1	training
OSTCN_CAMBA;OSTCN_CAMDR 18	YVDPLEPKREVCE	-1	training
OSTCN_CAMHE 18	YVDPLEPKREVDE	-1	training
OSTCN_FELCA 9	APGLGAPAPYPDP	1	training
OSTCN_FELCA 4	XXXYLAPGLGAPA	-1	training
OSTCN_FELCA 11	GLGAPAPYDPLE	-1	training
OSTCN_FELCA 18	YDPLEPKREICE	-1	training
OSTCN_FELCA 27	EICELNPDCDELA	-1	training
OSTCN_GORGO 60	YQWLGAPVPYPDP	1	training
OSTCN_GORGO 25	GQAGAKPSGAESS	-1	training
OSTCN_GORGO 49	SEVVKRPRRYLYQ	-1	training
OSTCN_GORGO 62	WLGAPVPYPDPLE	-1	training
OSTCN_GORGO 64	GAPVPYPDPLEPR	-1	training
OSTCN_GORGO 66	PVPYPDPLEPRRE	-1	training
OSTCN_GORGO 69	YDPLEPRREVCE	-1	training
OSTCN_MACFA 9	YQWLGAPAPYPDP	1	training
PRP_PHAVU 6	XNYDKPPVEKPPV	1	training
PRP_PHAVU 11	PPVEKPPVYKPPV	1	training
PRP_PHAVU 16	PPVYKPPVEKPPV	1	training
PRP_PHAVU 21	PPVEKPPVYKPPX	1	training
PRP_PHAVU 5	XXNYDKPPVEKPP	-1	training
PRP_PHAVU 10	KPPVEKPPVYKPP	-1	training
PRP_PHAVU 15	KPPVYKPPVEKPP	-1	training
PRP_PHAVU 20	KPPVEKPPVYKPPX	-1	training
PRP_PHAVU 25	KPPVYKPPXXXXXX	-1	training
PSY1_ARATH 63	KHDPGVPPSATGQ	1	training
PSY1_ARATH 64	HDPGVPPSATGQR	1	training
PSY1_ARATH 25	SSLARNPVSVSGG	-1	training
PSY1_ARATH 52	VEDYGDPSANPKH	-1	training
PSY1_ARATH 56	GDPSANPKHDPGV	-1	training
PSY1_ARATH 60	ANPKHDPGVPPSA	-1	training
SFTPA_RAT 30	DVCAGSPGIPGAP	1	training
SFTPA_RAT 33	AGSPGIPGAPGNH	1	training
SFTPA_RAT 36	PGIPGAPGNHGLP	1	training
SFTPA_RAT 42	PGNHGLPGRDGRD	1	training
SFTPA_RAT 54	DGVKGDPPGPPGM	1	training
SFTPA_RAT 57	KGDPPGPPGMPGP	1	training
SFTPA_RAT 63	PGPMGPPGMPGL	1	training
SFTPA_RAT 67	GPPGMPGLPGRD	1	training
SFTPA_RAT 70	GGMPGLPGRDGLP	1	training
SFTPA_RAT 76	PGRDGLPGAPGAP	1	training
SFTPA_RAT 56	VKGDPPGPPGMPGP	-1	training
SFTPA_RAT 59	DPGPPGMPGPPGG	-1	training
SFTPA_RAT 62	PPGPMGPPGMPGP	-1	training
SFTPA_RAT 79	DGLPGAPGAPGER	-1	training
SFTPA_RAT 82	PGAPGAPGERGDK	-1	training
SFTPA_RAT 91	RGDKGEPGERGLP	-1	training
SFTPA_RAT 97	PGERGLPGFPAYL	-1	training
SFTPA_RAT 100	RGLPGFPAYLDEE	-1	training
SFTPA_RAT 165	GGNIAVPRTPEEN	-1	training
SFTPA_RAT 168	IAVPRTPEENEAI	-1	training
SFTPA_RAT 195	MIEDQTPGDFHYL	-1	training

SFTPA_RAT	213	NYTNWYPGEPRGQ	-1	training
SFTPA_RAT	216	NWYPGEPRGQGKE	-1	training
SHT12_STIHA	6	XXIIIGAPCRRCYH	1	training
SKP1A_DICDI	143	IKNDFTPEEEEQI	1	training
SKP1A_DICDI	40	IGESDSPIPLPNV	-1	training
SKP1A_DICDI	42	ESDSPIPLPNVTS	-1	training
SKP1A_DICDI	44	DSPIPLPNVTSTI	-1	training
SKP1A_DICDI	65	RHHHQHPSPQGDD	-1	training
SKP1A_DICDI	67	HHQHPSQGDGDK	-1	training
SKP1A_DICDI	82	KRLDDIPPYDRDF	-1	training
SKP1A_DICDI	83	RLDDIPPYDRDFC	-1	training
SKP1A_DICDI	94	FCKVDQPTLFELI	-1	training
SKP1A_DICDI	110	NYLDIKPLLDVTC	-1	training
SKP1A_DICDI	128	MIRGKTPEEIRKI	-1	training
SKP1B_DICDI	40	IGESDAPIPLPNV	-1	training
SKP1B_DICDI	42	ESDAPIPLPNVTS	-1	training
SKP1B_DICDI	44	DAPIPLPNVTSTI	-1	training
TXM46_CONAO	12	CGLGCHPCCXXX	1	training
TY01_PHYAZ	56	ERRDRPPSWIPKX	1	training
TY01_PHYAZ	55	EERRDRPPSWIPK	-1	training
TY01_PHYAZ	60	RPPSWIPKXXXXX	-1	training
TY26_PHYAZ	3	XXXXKPPWRLXXX	1	training
TY26_PHYAZ	2	XXXXXXKPPWRLXX	-1	training
ADIPO_MOUSE	94	MTGAEGPRGFPGT	1	external validation
ADIPO_MOUSE	14	LFLILPSHAEDD	-1	external validation
ADIPO_MOUSE	29	TTEELAPALVPPP	-1	external validation
ADIPO_MOUSE	33	LAPALVPPPKGTC	-1	external validation
ADIPO_MOUSE	34	APALVPPPKGTC	-1	external validation
ADIPO_MOUSE	35	PALVPPPKGTCAG	-1	external validation
ADIPO_MOUSE	79	DAGLLGPKGETGD	-1	external validation
ADIPO_MOUSE	107	PGRKGEPGEAAV	-1	external validation
ADIPO_MOUSE	129	ETRVTVPNVPIRF	-1	external validation
ADIPO_MOUSE	158	KFYCNIPGLYYFS	-1	external validation
AGP4_ARATH	24	SALAQAPAPTPTA	1	external validation
AGP4_ARATH	26	LAQAPAPTPTATP	1	external validation
AGP4_ARATH	28	QAPAPTPTATPPP	1	external validation
AGP4_ARATH	32	PTPTATPPPATPP	1	external validation
AGP4_ARATH	33	TPTATPPPATPPP	1	external validation
AGP4_ARATH	34	PTATPPPATPPPV	1	external validation
AGP4_ARATH	37	TPPPATPPP VATP	1	external validation
AGP4_ARATH	38	PPPATPPP VATPP	1	external validation
AGP4_ARATH	39	PPATPPP VATPPP	1	external validation
AGP4_ARATH	43	PPP VATPPP VATP	-1	external validation
AGP4_ARATH	44	PP VATPPP VATPP	-1	external validation
AGP4_ARATH	45	PVATPPP VATPPP	-1	external validation
AGP4_ARATH	49	PPP VATPPPAATP	-1	external validation
AGP4_ARATH	50	PP VATPPPAATPA	-1	external validation
AGP4_ARATH	51	PVATPPPAATPAP	-1	external validation
AGP4_ARATH	55	PPPAATPAPATPP	-1	external validation
AGP4_ARATH	57	PAATPAPATPPPA	-1	external validation
AGP4_ARATH	60	TPAPATPPPAATP	-1	external validation
AGP4_ARATH	61	PAPATPPPAATPA	-1	external validation
AGP4_ARATH	62	APATPPPAATPAP	-1	external validation
AGP4_ARATH	66	PPPAATPAPATTP	-1	external validation

AGP4_ARATH	68	PAATPAPATTPPS	-1	external validation
AGP4_ARATH	72	PAPATTPPSVAPS	-1	external validation
AGP4_ARATH	73	APATTPPSVAPSP	-1	external validation
AGP4_ARATH	77	TPPSVAPSPADVP	-1	external validation
AGP4_ARATH	79	PSVAPSPADVPTA	-1	external validation
AGP4_ARATH	83	PSPADVPTASPPA	-1	external validation
AGP4_ARATH	87	DVPTASPPAPEGP	-1	external validation
AGP4_ARATH	88	VPTASPPAPEGPT	-1	external validation
AGP4_ARATH	90	TASPPAPEGPTVS	-1	external validation
AGP4_ARATH	93	PPAPEGPTVSPSS	-1	external validation
AGP4_ARATH	97	EGPTVSPSSAPGP	-1	external validation
AGP4_ARATH	101	VSPSSAPGPSDAS	-1	external validation
AGP4_ARATH	103	PSSAPGPSDASPA	-1	external validation
AGP4_ARATH	108	GPSDASPAPSAAF	-1	external validation
AGP4_ARATH	110	SDASPAPSAAFSN	-1	external validation
C1QA_HUMAN	39	KGEAGRPGRGRP	1	external validation
C1QA_HUMAN	45	PGRRGRPGLKGEQ	1	external validation
C1QA_HUMAN	54	KGEQGEPPGAPGIR	1	external validation
C1QA_HUMAN	57	QGEPPGAPGIRTGI	1	external validation
C1QA_HUMAN	73	KGDQGEPPGSGNP	1	external validation
C1QA_HUMAN	79	PGPSGNPGKVGYP	1	external validation
C1QA_HUMAN	85	PGKVGYPGSGPL	1	external validation
C1QA_HUMAN	4	XXXMEGPRGWLVL	-1	external validation
C1QA_HUMAN	29	EDLCRAPDGKKGE	-1	external validation
C1QA_HUMAN	75	DQGEPPGSGNPGK	-1	external validation
C1QA_HUMAN	87	KVGYPGSGPLGA	-1	external validation
C1QA_HUMAN	90	YPGSGPLGARGI	-1	external validation
C1QA_HUMAN	97	LGARGIPGIGTK	-1	external validation
C1QA_HUMAN	106	KGTKGSPGNIKDQ	-1	external validation
C1QA_HUMAN	113	GNIKDQPRPAFSA	-1	external validation
C1QA_HUMAN	115	IKDQPRPAFSAIR	-1	external validation
C1QA_HUMAN	124	SAIRRNPPMGNNV	-1	external validation
C1QA_HUMAN	125	AIRRNPPMGNNV	-1	external validation
C1QA_HUMAN	143	ITNQEOPYQNHSG	-1	external validation
C1QA_HUMAN	156	RFVCTVPGYYYFT	-1	external validation
C1QA_HUMAN	221	VWVEKDPKKGHIY	-1	external validation
C1QA_HUMAN	243	SGFLIFPSAXXXX	-1	external validation
CA1B_CONRE	6	XGCCSDPRCKHQC	1	external validation
CA1D_CONCN	54	NGRCCHPACGKHF	1	external validation
CA1D_CONGE	16	ACRVNNPHVCXXX	1	external validation
CA1D_CONGE	9	DECCSNPACRVNN	-1	external validation
CBW_CONRA	21	FKTCCGPPGDWQC	1	external validation
CBW_CONRA	22	KTCCGPPGDWQCV	1	external validation
CBW_CONRA	32	QCVEACPXXXXX	-1	external validation
CI1BB_CONRA	2	XXXXXGPSFCKAN	1	external validation
CI1BB_CONRA	11	CKANGKPCSYHAD	1	external validation
CI1BB_CONRA	29	LSGICKPSTNVIL	1	external validation
CI1BB_CONRA	36	STNVILPGCSTSS	-1	external validation
CM3A_CONPU	57	RLCCGFPKSCRSR	1	external validation
CM3A_CONPU	67	RSRQCKPHRCCGR	1	external validation
CM3A_CONPU	16	ICLLLPITALPM	-1	external validation
CM3A_CONPU	21	FPITALPMDGDQP	-1	external validation
CM3A_CONPU	27	PMDGDQPADRLAE	-1	external validation
CM3A_CONPU	45	ISSEHPFEKRQR	-1	external validation

CM3F_CONPU	2	XXXXXGPPCCLYG	1	external validation
CM3F_CONPU	3	XXXXGPPCCLYGS	1	external validation
CM3F_CONPU	14	GSCRFPFGCYNAL	1	external validation
CM3F_CONPU	12	LYGSCRFPFGCYN	-1	external validation
C0162_CONAH	57	RDECYPFGTFCGI	1	external validation
C0162_CONAH	65	TFCGIKPGGCCSE	1	external validation
C0162_CONAH	34	GLKNLFPKARHEM	-1	external validation
C0162_CONAH	56	KRDECYPFGTFCG	-1	external validation
C0162_CONAH	75	CSERCFPFVCLSL	-1	external validation
C01A1_TYREX	15	AGAPGFPARGAP	1	external validation
C01A1_TYREX	30	QGPSGAPGPKXXX	1	external validation
C01A1_TYREX	294	XGVQGGPPGPQGPR	1	external validation
C01A1_TYREX	474	XGSAGPPGATGFP	1	external validation
C01A1_TYREX	480	PGATGFPGAAGRX	1	external validation
C01A1_TYREX	567	XGVVGLPGQRXXX	1	external validation
C01A1_TYREX	21	PGARGAPGPQGPS	-1	external validation
C01A1_TYREX	23	ARGAPGPQGPSGA	-1	external validation
C01A1_TYREX	26	APGPQGPSGAPGP	-1	external validation
C01A1_TYREX	32	PSGAPGPKXXXXX	-1	external validation
C01A1_TYREX	293	XXGVQGGPPGPQGP	-1	external validation
C01A1_TYREX	296	VQGGPPGPQGPRXX	-1	external validation
C01A1_TYREX	299	PPGPQGPRXXXXX	-1	external validation
C01A1_TYREX	473	XXGSAGPPGATGF	-1	external validation
C06A_CONTU	4	XXXCLSPGSSCSP	1	external validation
C06A_CONTU	21	CCRSCNPYSRKCX	1	external validation
COC1A_CONCL	65	WCDQEAPHGNCCD	1	external validation
COC1A_CONCL	82	TAAWWCPCGTKWDX	1	external validation
COC1A_CONCL	15	VLLLLLPYGDLIT	-1	external validation
COC1A_CONCL	34	AARKVTPWRRNLK	-1	external validation
CONO_CONTE	7	CFIRNCPXXXXXX	1	external validation
CONO_CONTE	8	FIRNCPXXXXXX	-1	external validation
CWP15_PHAVU	10	PPDFANPFIIPQN	1	external validation
CWP15_PHAVU	4	XXXQNQPPDFANP	-1	external validation
CWP15_PHAVU	5	XXQNQPPDFANPF	-1	external validation
CWP15_PHAVU	14	ANPFIIPQNAAXX	-1	external validation
FP1V1_PERVI	65	WKATPKPWTAWKA	1	external validation
FP1V1_PERVI	72	WTAWKAPPAWTA	1	external validation
FP1V1_PERVI	73	TAWKAPPAWTAW	1	external validation
FP1V1_PERVI	125	WKATLKPWTAWKA	1	external validation
FP1V1_PERVI	202	WTAWKAPPAWSA	1	external validation
FP1V1_PERVI	203	TAWKAPPAWSAW	1	external validation
FP1V1_PERVI	345	WKATPKPWTAWKV	1	external validation
FP1V1_PERVI	24	ASAVYHPPSWTAW	-1	external validation
FP1V1_PERVI	25	SAVYHPPSWTAWI	-1	external validation
FP1V1_PERVI	33	WTAWIAPKPWTAW	-1	external validation
FP1V1_PERVI	35	AWIAPKPWTAWKV	-1	external validation
FP1V1_PERVI	44	AWKVHPPAWTAWK	-1	external validation
FP1V1_PERVI	54	AWKAHPPAWTAWK	-1	external validation
FP1V1_PERVI	63	TAWKATPKPWTAW	-1	external validation
FP1V1_PERVI	74	AWKAPPAWTAWK	-1	external validation
FP1V1_PERVI	94	AWKAPPPTWTAWK	-1	external validation
FP1V1_PERVI	173	TAWKATPKPWTWV	-1	external validation
FP1V1_PERVI	183	TVWKATPKPWTAW	-1	external validation
FP1V1_PERVI	204	AWKAPPAWSAWK	-1	external validation

FP1V1_PERVI	213	SAWKATPKPWTWV	-1	external validation
FP1V1_PERVI	313	SAWKATPKPWTAW	-1	external validation
FP1V1_PERVI	354	AWKVPPPAWTAWK	-1	external validation
FP1V1_PERVI	443	TAWRATPPPTWTA	-1	external validation
FP1V1_PERVI	444	AWRATPPPTWTAW	-1	external validation
FP1V1_PERVI	445	WRATPPPTWTAWH	-1	external validation
FP1V1_PERVI	461	YGGYGKPGKPGKP	-1	external validation
FP1V1_PERVI	464	YGKPGKPGKPGSK	-1	external validation
FP1V1_PERVI	467	PGKPGKPGSKGPR	-1	external validation
FP1V1_PERVI	472	KPGSKGPRGPAGP	-1	external validation
FP1V1_PERVI	475	SKGPRGPAGPPGA	-1	external validation
FP1V1_PERVI	478	PRGPAGPPGATGK	-1	external validation
FP1V1_PERVI	479	RGPAGPPGATGKT	-1	external validation
FP1V1_PERVI	496	ATGKRGGPYGPK	-1	external validation
FP1V1_PERVI	497	TGKRGGPYGPKP	-1	external validation
FP1V1_PERVI	500	RGPPGYGKPGVP	-1	external validation
FP1V1_PERVI	503	PGYPGKPGVGRN	-1	external validation
FP1V1_PERVI	506	PGKPGVGRNGYV	-1	external validation
FP1V1_PERVI	557	WTAWTAPPAYGXX	-1	external validation
FP1V1_PERVI	558	TAWTAPPAYGXXX	-1	external validation
KNG1_HUMAN	383	SLMKRPPGFSFR	1	external validation
KNG1_HUMAN	84	IKEGDCPVQSGKT	-1	external validation
KNG1_HUMAN	130	QTCQITPAEGPVV	-1	external validation
KNG1_HUMAN	134	ITPAEGPVVTAQY	-1	external validation
KNG1_HUMAN	148	CLGCVHPISTQSP	-1	external validation
KNG1_HUMAN	154	PISTQSPDLEPIL	-1	external validation
KNG1_HUMAN	158	QSPDLEPILRHGI	-1	external validation
KNG1_HUMAN	216	NFLFLTPDCKSLW	-1	external validation
KNG1_HUMAN	252	QNCDIYPGKDFVQ	-1	external validation
KNG1_HUMAN	259	GKDFVQPPTKICV	-1	external validation
KNG1_HUMAN	260	KDFVQPPTKICVG	-1	external validation
KNG1_HUMAN	268	KICVGCPRDIPTN	-1	external validation
KNG1_HUMAN	272	GCPRDIPTNSPEL	-1	external validation
KNG1_HUMAN	276	DIPTNSPELEETL	-1	external validation
KNG1_HUMAN	359	AEVYVVPWEKKIY	-1	external validation
KNG1_HUMAN	366	WEKKIYPTVNCQP	-1	external validation
KNG1_HUMAN	372	PTVNCQPLGMISL	-1	external validation
KNG1_HUMAN	382	ISLMKRPPGFSPF	-1	external validation
KNG1_HUMAN	387	RPPGFSPFRSSRI	-1	external validation
KNG1_HUMAN	404	EETTVSPHTSMA	-1	external validation
KNG1_HUMAN	405	ETTVSPHTSMAP	-1	external validation
KNG1_HUMAN	411	PHTSMAPAQDEER	-1	external validation
KNG1_HUMAN	534	SEDSTTPSAQTQE	-1	external validation
KNG1_HUMAN	545	QEKTEGPTIPSL	-1	external validation
KNG1_HUMAN	547	KTEGPTIPSLAK	-1	external validation
KNG1_HUMAN	549	EGPTIPSLAKPG	-1	external validation
KNG1_HUMAN	554	IPSLAKPGVTVTF	-1	external validation
KNG1_HUMAN	574	LIATMMPPISPAP	-1	external validation
KNG1_HUMAN	575	IATMMPPISPAPI	-1	external validation
KNG1_HUMAN	578	MMPPISPAPIQSD	-1	external validation
KNG1_HUMAN	580	PPISPAPIQSDDD	-1	external validation
KNG1_HUMAN	589	SDDDWIPDIQIDP	-1	external validation
KNG1_HUMAN	595	PDIQIDPNGLSFN	-1	external validation
KNG1_HUMAN	602	NGLSFNPISDFPD	-1	external validation

KNG1_HUMAN	607	NPISDFPDTTSPK	-1	external validation
KNG1_HUMAN	612	FPDTTSPKCPGRP	-1	external validation
KNG1_HUMAN	615	TTSPKCPGRPWKS	-1	external validation
KNG1_HUMAN	618	PKCPGRPWKSVE	-1	external validation
KNG1_HUMAN	627	SVSEINPTTQMKE	-1	external validation
O226B_CONTE	58	WQYCESPSDCCSW	1	external validation
RBL_CHLRE	104	IAYVAYPIDLFEE	1	external validation
RBL_CHLRE	151	VKTFVGPPIQV	1	external validation
RBL_CHLRE	3	XXXXMVPQTETKA	-1	external validation
RBL_CHLRE	27	RLTYTTPDYVVRD	-1	external validation
RBL_CHLRE	44	AAFRMTPQLGVPP	-1	external validation
RBL_CHLRE	49	TPQLGVPPEECGA	-1	external validation
RBL_CHLRE	50	PQLGVPPEECGAA	-1	external validation
RBL_CHLRE	89	RCYDIEPVPGEDN	-1	external validation
RBL_CHLRE	91	YDIEPVPGEDNQY	-1	external validation
RBL_CHLRE	141	LEDLRIPPAYVKT	-1	external validation
RBL_CHLRE	142	EDLRIPPAYVKT	-1	external validation
RBL_CHLRE	152	KTFVGPPIQVE	-1	external validation
RBL_CHLRE	176	LGCTIKPKLGLSA	-1	external validation
RBL_CHLRE	210	ENVNSQPFMRWRD	-1	external validation
RBL_CHLRE	263	AKELGVPIIMHDY	-1	external validation
RBL_CHLRE	372	QDWCSMPGVMPVA	-1	external validation
RBL_CHLRE	376	SMPGVMPVASGGI	-1	external validation
RBL_CHLRE	388	IHVWHMPALVEIF	-1	external validation
RBL_CHLRE	410	GGTLGHPWGNAPG	-1	external validation
RBL_CHLRE	415	HPWGNAPGAAANR	-1	external validation
RBL_CHLRE	453	SACKWSPELAAAC	-1	external validation

### Hydroxylysine

Pro. ID	Site	Frag.	Class	Dataset
ADIPO_HUMAN	68	PGEKGEKGDPLI	1	training
ADIPO_HUMAN	77	PGLIGPKGDIGET	1	training
ADIPO_HUMAN	101	PGIQGRKGEPGEG	1	training
ADIPO_HUMAN	134	MPIRFTKIFYNQ	-1	training
ADIPO_HUMAN	149	YDGSTGKFHCNIP	-1	training
ADIPO_HUMAN	169	HITVYMKDVKVSL	-1	training
ADIPO_HUMAN	172	VYMKDVKVSFLFK	-1	training
ADIPO_HUMAN	177	VKVSFLFKDKAML	-1	training
ADIPO_HUMAN	178	KVSFLFKDKAMLF	-1	training
ADIPO_HUMAN	180	SLFKDKAMLFTY	-1	training
ADIPO_MOUSE	68	DGTPGEKGEKGD	1	training
ADIPO_MOUSE	71	PGEKGEKGDAGLL	1	training
ADIPO_MOUSE	80	AGLLGPKGETGDV	1	training
ADIPO_MOUSE	104	PGTPGRKGEPGEA	1	training
ADIPO_MOUSE	36	ALVPPPKGTCAGW	-1	training
ADIPO_MOUSE	152	YDGSTGKFYCNIP	-1	training
ADIPO_MOUSE	180	VKVSFLFKDKAVL	-1	training
ADIPO_MOUSE	181	KVSFLFKDKAVLF	-1	training
ADIPO_MOUSE	183	SLFKDKAVLFTY	-1	training
ADIPO_MOUSE	195	YDQYQEKVNDQAS	-1	training
C1QA_HUMAN	33	RAPDGKKGEAGRP	1	training
C1QA_HUMAN	48	RGRPGLKGEQGE	1	training
C1QA_HUMAN	67	TGIQGLKGDQGE	1	training



C1QA_HUMAN	100	RGIPGIKGTGSP	1	training
C1QA_HUMAN	32	CRAPDGKKGEAGR	-1	training
C1QA_HUMAN	81	PSGNPGKVGYPGP	-1	training
C1QA_HUMAN	103	PGIKGTGSPGNI	-1	training
C1QA_HUMAN	110	GSPGNIKDQPRPA	-1	training
C1QA_HUMAN	195	FCDTTNKGLFQVV	-1	training
C1QA_HUMAN	219	DQVWVEKDPKKGH	-1	training
C1QA_HUMAN	222	WVEKDPKKGHIYQ	-1	training
C1QA_HUMAN	223	VEKDPKKGHIYQG	-1	training
C1QB_HUMAN	59	PGTPGIKGEKGLP	1	training
C1QB_HUMAN	62	PGIKGEKGLPGLA	1	training
C1QB_HUMAN	77	HGEFGEKGDGP	1	training
C1QB_HUMAN	92	PGKVGPKGPMGPK	1	training
C1QB_HUMAN	98	KGPMGPKGGPGAP	1	training
C1QB_HUMAN	110	PGAPGPKGESGDY	1	training
C1QB_HUMAN	4	XXXXMMKIPWGS	-1	training
C1QB_HUMAN	88	IPGNPGKVGPKGP	-1	training
C1QB_HUMAN	117	GESGDYKATQKIA	-1	training
C1QB_HUMAN	121	DYKATQKIAFSAT	-1	training
C1QB_HUMAN	159	YEPRSGKFTCKVP	-1	training
C1QB_HUMAN	163	SGKFTCKVPGLYY	-1	training
C1QB_HUMAN	193	GRERAQKVTFCD	-1	training
C1QB_HUMAN	215	TGGMVLKLEQGEN	-1	training
C1QB_HUMAN	229	FLQATDKNSLLGM	-1	training
C1QC_HUMAN	75	RGPKGQKGEPGLP	1	training
C1QC_HUMAN	14	LPHLGLKLLLLLL	-1	training
C1QC_HUMAN	47	LPGAPGKGDYDGL	-1	training
C1QC_HUMAN	57	DGLPGPKGEPGIP	-1	training
C1QC_HUMAN	72	PGIRGPKGQKGEP	-1	training
C1QC_HUMAN	86	LPGHPGKNGPMGP	-1	training
C1QC_HUMAN	115	GEEGRYKQKFQSV	-1	training
C1QC_HUMAN	117	EGRYKQKFQSVFT	-1	training
C1QC_HUMAN	157	YDTSTGKFTCKVP	-1	training
C1QC_HUMAN	161	TGKFTCKVPGLYY	-1	training
C1QC_HUMAN	188	LYRSGVKVVFCEG	-1	training
C1QC_HUMAN	198	FCGHTSKTNQVNS	-1	training
C1QT9_MOUSE	73	DGIRGEKGEPEGAD	1	training
C1QT9_MOUSE	127	QGQKGDKEVGPT	1	training
C1QT9_MOUSE	49	DGRDGAKGDKGDA	-1	training
C1QT9_MOUSE	52	DGAKGDKGDAGEP	-1	training
C1QT9_MOUSE	66	HPGGPGKDGIRGE	-1	training
C1QT9_MOUSE	85	DGRVEAKGIKGD	-1	training
C1QT9_MOUSE	88	VEAKGIKGDPGSR	-1	training
C1QT9_MOUSE	99	SRGSPGKHGPKGS	-1	training
C1QT9_MOUSE	103	PGKHGPKGSIGPT	-1	training
C1QT9_MOUSE	124	TGPQGQKGDKEV	-1	training
C1QT9_MOUSE	148	TGPLGPKGLPGPM	-1	training
C1QT9_MOUSE	159	PMGPIGKPGPRGE	-1	training
C1QT9_MOUSE	184	RGMRGWKGRGEK	-1	training
C1QT9_MOUSE	190	KGDRGEKGVGEA	-1	training
C1QT9_MOUSE	192	DRGEKGVGEAPL	-1	training
C1QT9_MOUSE	201	EAPLVPKSAFTVG	-1	training
C1QT9_MOUSE	213	GLTVISKFPDPA	-1	training
C1QT9_MOUSE	222	PPDAPIKFDKILY	-1	training

C1QT9_MOUSE	225	APIKFDKILYNEL	-1	training
C1QT9_MOUSE	240	YNVATGKFTCHVA	-1	training
C1QT9_MOUSE	268	VQVSLVKNGVKVL	-1	training
C1QT9_MOUSE	272	LVKNGVKVLHTKD	-1	training
C1QT9_MOUSE	277	VKVLHTKDSYMSS	-1	training
C1QT9_MOUSE	296	GIVQELKLGDEVW	-1	training
CAFF_RIFPA	183	PGTPGSKGDRGQS	1	training
CAFF_RIFPA	342	MGIPGEKGPSGEP	1	training
CAFF_RIFPA	351	SGEPGAKGPTGDT	1	training
CAFF_RIFPA	546	PGVAGAKGQGGPP	1	training
CAFF_RIFPA	567	PGERGPKGVGGSK	1	training
CAFF_RIFPA	933	KGEAGGKGA KGDK	1	training
CAFF_RIFPA	939	KGAKGDKGWTGLP	1	training
CAFF_RIFPA	50	PMGPIGKRGP PGP	-1	training
CAFF_RIFPA	62	PAGIAGKSGDDGR	-1	training
CAFF_RIFPA	113	SKGEQKSGNQGP	-1	training
CAFF_RIFPA	146	ERGRDGKSGLPGL	-1	training
CAFF_RIFPA	299	HAGEAGKRGS PGS	-1	training
CAFF_RIFPA	383	SDGRPGKDGRPGI	-1	training
CAFF_RIFPA	392	RPGIRKDGKQGE	-1	training
CAFF_RIFPA	395	IRKDGKQGEQGP	-1	training
CAFF_RIFPA	425	ARGE PGKNGAPGE	-1	training
CAFF_RIFPA	443	EQGDAGKDGETGA	-1	training
CAFF_RIFPA	488	TPGEAGKTGERGA	-1	training
CAFF_RIFPA	584	DIGPRGKAGERGK	-1	training
CAFF_RIFPA	590	KAGERGKDGERGE	-1	training
CAFF_RIFPA	674	TRGATGKQGARGP	-1	training
CAFF_RIFPA	686	PRGLAGKRGLRGA	-1	training
CAFF_RIFPA	734	PAGTAGKQGVKGA	-1	training
CAFF_RIFPA	749	SPGLVGKQGDRGS	-1	training
CAFF_RIFPA	851	QEGAPGKDGLPGL	-1	training
CAFF_RIFPA	986	SQGPPGKDGQPGP	-1	training
CDA_CONDE	18	NGWECKGYPCVN	1	training
CDA_CONDE	25	GYPCVNKACSGCT	1	training
CDA_CONDE	34	SGCTHGKXXXXXX	-1	training
CECB_BOMMO	47	IRDGIVKAGPAIE	1	training
CECB_BOMMO	5	XXMNFAKILSFVF	-1	training
CECB_BOMMO	29	APEPRWKIFKKIE	-1	training
CECB_BOMMO	32	PRWKIFKKIEKMG	-1	training
CECB_BOMMO	33	RWKIFKKIEKMGR	-1	training
CECB_BOMMO	36	IFKKIEKMGRNIR	-1	training
CECB_BOMMO	59	EVLGSAKAIGKXX	-1	training
CECB_BOMMO	63	SAKAIGKXXXXXX	-1	training
CECC_HELVI	21	IRDGVKAAPAIE	1	training
CECC_HELVI	3	XXXXRWKVFKKIE	-1	training
CECC_HELVI	6	XRWKVFKKIEKMG	-1	training
CECC_HELVI	7	RWKVFKKIEKMGR	-1	training
CECC_HELVI	10	VFKKIEKMGRNIR	-1	training
CECC_HELVI	33	EVLGQAKXXXXXX	-1	training
C01A1_BOVIN	264	AGLPGMKGHRGFS	1	training
C01A1_BOVIN	54	HDRDVWKPVP CQI	-1	training
C01A1_BOVIN	79	VICDELKDCPNAK	-1	training
C01A1_BOVIN	85	KDCPNAKVPTDEC	-1	training
C01A1_BOVIN	114	TGVEGPKGDTGPR	-1	training

C01A1_BOVIN	170	SYGYDEKSTGISV	-1	training
C01A1_BOVIN	227	PPGPPKNGDDGE	-1	training
C01A1_BOVIN	236	DDGEAGKPGRPGE	-1	training
C01A1_BOVIN	351	PGAVGAKGEGGPQ	-1	training
C01A1_BOVIN	396	DGQPGAKGANGAP	-1	training
C01A1_BOVIN	429	SGPPGPKGNSGEP	-1	training
C01A1_BOVIN	441	PGAPGSKGDTGAK	-1	training
C01A1_BOVIN	447	KGDTGAKGEPGPT	-1	training
C01A1_BOVIN	467	PAGEEGKRGARGE	-1	training
C01A1_BOVIN	504	DGVAGPKGPAGER	-1	training
C01A1_BOVIN	519	PGPAGPKGSPGEA	-1	training
C01A1_BOVIN	537	AGLPGAKGLTGSP	-1	training
C01A1_BOVIN	551	SPGPDGKTGPPGP	-1	training
C01A1_BOVIN	585	MGFPGPKGAAGEP	-1	training
C01A1_BOVIN	593	AAGEPGKAGERGV	-1	training
C01A1_BOVIN	611	AVGPAGKDGEAGA	-1	training
C01A1_BOVIN	656	PPGEAGKPGEQGV	-1	training
C01A1_BOVIN	741	AGLPGPKGDRGDA	-1	training
C01A1_BOVIN	750	RGDAGPKGADGAP	-1	training
C01A1_BOVIN	758	ADGAPGKDGVRL	-1	training
C01A1_BOVIN	825	DGQPGAKGEPGDA	-1	training
C01A1_BOVIN	834	PGDAGAKGDAGPP	-1	training
C01A1_BOVIN	902	PPGPAGKEGSKGP	-1	training
C01A1_BOVIN	906	AGKEGSKGPRGET	-1	training
C01A1_BOVIN	983	PSGEPGKQGPSGA	-1	training
C01A1_BOVIN	1032	DGSPGAKGDRGET	-1	training
C01A1_BOVIN	1061	PVGPAGKSGDRGE	-1	training
C01A1_BOVIN	1151	SAGSPGKDGLNGL	-1	training
C01A1_BOVIN	1207	PQPPQEKAHDGGR	-1	training
C01A1_BOVIN	1235	EVDTTLSLSQQI	-1	training
C01A1_BOVIN	1252	SPEGSRKNPARTC	-1	training
C01A1_BOVIN	1262	RTCRDLKMCHSDW	-1	training
C01A1_BOVIN	1269	MCHSDWKSGEYWI	-1	training
C01A1_BOVIN	1287	CNLDAIKVFCNME	-1	training
C01A1_BOVIN	1309	QPSVAQKNWYISK	-1	training
C01A1_BOVIN	1315	KNWYISKNPKEKR	-1	training
C01A1_BOVIN	1318	YISKNPKEKRHWV	-1	training
C01A1_BOVIN	1320	SKNPKEKRHWVYG	-1	training
C01A1_BOVIN	1370	NITYHCKNSVAYM	-1	training
C01A1_BOVIN	1384	QQTGNLKKALLLQ	-1	training
C01A1_BOVIN	1385	QTGNLKKALLLQG	-1	training
C01A1_BOVIN	1423	HTGAWGKTVIEWK	-1	training
C01A1_BOVIN	1429	KTVIEYKTTKTSR	-1	training
C01A1_BOVIN	1432	IEYKTTKTSRLPI	-1	training
C01A1_CHICK	419	SGAPGPKGNSGEP	1	training
C01A1_CHICK	494	DGIAGPKGPPGER	1	training
C01A1_CHICK	740	RGDPGPKGADGAP	1	training
C01A1_CHICK	851	VGAPGPKGARGSA	1	training
C01A1_CHICK	1022	DGAAGPKGDRGET	1	training
C01A1_CHICK	1085	QGPRGDKGETGEQ	1	training
C01A1_CHICK	1097	QGDRGMKGHRGFS	1	training
C01A1_CHICK	43	GLTYNDKDVWKPE	-1	training
C01A1_CHICK	47	NDKDVWKPEPCQI	-1	training
C01A1_CHICK	107	AGVEGPKGDTGPR	-1	training

C01A1_CHICK	160	SYGYDEKSAGVAV	-1	training
C01A1_CHICK	217	PAGPPGKNGDDGE	-1	training
C01A1_CHICK	226	DDGEAGKPGRPGQ	-1	training
C01A1_CHICK	266	SGLDGAKEGPGPA	-1	training
C01A1_CHICK	275	PGPAGPKGEPGSP	-1	training
C01A1_CHICK	341	PGAAGAKGETGPQ	-1	training
C01A1_CHICK	386	DGQPGAKEGATGAP	-1	training
C01A1_CHICK	431	PGAPGNKGDTGAK	-1	training
C01A1_CHICK	437	KGDTGAKEGPGPA	-1	training
C01A1_CHICK	509	PGAVGPKGSPGEA	-1	training
C01A1_CHICK	583	AAGEPGKPGERGA	-1	training
C01A1_CHICK	601	AVGAAGKDGEAGA	-1	training
C01A1_CHICK	698	PGNDGAKEGDAGAP	-1	training
C01A1_CHICK	731	AGLPGAKEGDRGDP	-1	training
C01A1_CHICK	748	ADGAPGKDGLRGL	-1	training
C01A1_CHICK	770	AGAPGDKGEAGPP	-1	training
C01A1_CHICK	815	DGQPGAKEGETGDA	-1	training
C01A1_CHICK	824	TGDAGAKGDAGPP	-1	training
C01A1_CHICK	923	PGPPGEKGSFGAD	-1	training
C01A1_CHICK	1051	PVGPAGKNGDRGE	-1	training
C01A1_CHICK	1141	SAGAAGKDGLNGL	-1	training
C01A1_CHICK	1242	SPEGTRKNPARTC	-1	training
C01A1_CHICK	1252	RTCRDLKMCHGDW	-1	training
C01A1_CHICK	1259	MCHGDWKSGEYWI	-1	training
C01A1_CHICK	1277	CNLDAIKVYCNME	-1	training
C01A1_CHICK	1299	QATIAQKNWYLSK	-1	training
C01A1_CHICK	1305	KNWYLSKNPKKK	-1	training
C01A1_CHICK	1308	YLSKNPKKKHVW	-1	training
C01A1_CHICK	1310	SKNPKKKHVWFG	-1	training
C01A1_CHICK	1311	KNPKKKHVWFGE	-1	training
C01A1_CHICK	1360	NVTYHCKNSVAYM	-1	training
C01A1_CHICK	1374	HDTGNLKKALLQ	-1	training
C01A1_CHICK	1375	DTGNLKKALLQG	-1	training
C01A1_HUMAN	54	HDRDVWKPEPCRI	-1	training
C01A1_HUMAN	67	CVCDNGKVLCDV	-1	training
C01A1_HUMAN	79	VICDETKNCPGAE	-1	training
C01A1_HUMAN	170	SYGYDEKSTGGIS	-1	training
C01A1_HUMAN	277	SGLDGAKEGDAGPA	-1	training
C01A1_HUMAN	286	AGPAGPKGEPGSP	-1	training
C01A1_HUMAN	352	PGAVGAKEAGPQ	-1	training
C01A1_HUMAN	430	GGPPGPKGNSGEP	-1	training
C01A1_HUMAN	448	KGDTGAKEGPGPV	-1	training
C01A1_HUMAN	751	RGDAGPKGADGSP	-1	training
C01A1_HUMAN	759	ADGSPGKDGVRGL	-1	training
C01A1_HUMAN	781	AGAPGDKGESGPS	-1	training
C01A1_HUMAN	862	VGAPGAKEGARGSA	-1	training
C01A1_HUMAN	903	PPGPAGKEGGKGP	-1	training
C01A1_HUMAN	907	AGKEGGKGPRGET	-1	training
C01A1_HUMAN	934	PGPAGEKGSFGAD	-1	training
C01A1_HUMAN	1152	SAGAPGKDGLNGL	-1	training
C01A1_HUMAN	1316	KNWYISKNPDKKR	-1	training
C01A1_HUMAN	1319	YISKNPDKKRHVW	-1	training
C01A1_HUMAN	1321	SKNPDKKRHVWFG	-1	training
C01A1_RAT	45	PNGETWKPDVCLI	-1	training

C01A1_RAT	67	CDGVLCKEDLDCP	-1	training
C01A1_RAT	77	DCPNPQKREGECC	-1	training
C01A1_RAT	104	IGVEGPKGDPGPQ	-1	training
C01A1_RAT	160	SYGYDEKSAGVSV	-1	training
C01A1_RAT	266	SGLDGAKGDTGPA	-1	training
C01A1_RAT	275	TGPAGPKGEPGSP	-1	training
C01A1_RAT	341	PGAAGAKGEAGPQ	-1	training
C01A1_RAT	583	TAGEPGKAGERGV	-1	training
C01A1_RAT	770	AGAPGDKGETGPS	-1	training
C01A1_RAT	815	DGQPGAKGEPGDT	-1	training
C01A1_RAT	824	PGDTGVKGDAGPP	-1	training
C01A1_RAT	851	VGAPGPKGSRGAA	-1	training
C01A1_RAT	892	PPGPVGKEGGKGP	-1	training
C01A1_RAT	896	VGKEGGKGRGET	-1	training
C01A1_RAT	1022	DGAPGAKGDRGET	-1	training
C01A1_RAT	1097	QGDRGIKGHRGFS	-1	training
C01A1_RAT	1197	PQPPQEKSQDGGR	-1	training
C01A1_RAT	1299	QPSVPQKNWYISP	-1	training
C01A1_RAT	1308	YISPNPKEKKHVV	-1	training
C01A1_RAT	1310	SPNPKEKKHVWFG	-1	training
C01A1_RAT	1311	PNPKEKKHVWFGE	-1	training
C01A1_RAT	1374	QQTGNLKKSLLLQ	-1	training
C01A1_RAT	1375	QTGNLKKSLLLQG	-1	training
C01A1_RAT	1413	HTGTWGKTVIEYK	-1	training
C02A1_BOVIN	287	PGLPGVKGHRGYP	1	training
C02A1_BOVIN	299	PGLDGAKGEAGAP	1	training
C02A1_BOVIN	308	AGAPGVKGESGSP	1	training
C02A1_BOVIN	374	PGAPGAKGEAGPT	1	training
C02A1_BOVIN	419	DGIPGAKGSAGAP	1	training
C02A1_BOVIN	452	TGPLGPKGQTGEP	1	training
C02A1_BOVIN	464	PGIAGFKGEQGP	1	training
C02A1_BOVIN	470	KGEQGPKEGPGPA	1	training
C02A1_BOVIN	527	DGLAGPKGAPGER	1	training
C02A1_BOVIN	542	SGLAGPKGANGDP	1	training
C02A1_BOVIN	608	MGFPGPKGANGEP	1	training
C02A1_BOVIN	620	PGKAGEKGLPGAP	1	training
C02A1_BOVIN	30	HGQDVQKAGSCVQ	-1	training
C02A1_BOVIN	44	GQRYNDKDVWKPE	-1	training
C02A1_BOVIN	48	NDKDVWKPEPCRI	-1	training
C02A1_BOVIN	73	IICEDMKDCLSPE	-1	training
C02A1_BOVIN	103	SGQPGPKGQKGEP	-1	training
C02A1_BOVIN	106	PGPKGQKGEPGDI	-1	training
C02A1_BOVIN	113	GEPGDIKDIVGPK	-1	training
C02A1_BOVIN	119	KDIVGPKGPPGPQ	-1	training
C02A1_BOVIN	140	RGDRGDKGEKGAP	-1	training
C02A1_BOVIN	143	RGDKGEKGAPGPR	-1	training
C02A1_BOVIN	250	PPGPPGKPGDDGE	-1	training
C02A1_BOVIN	259	DDGEAGKPGKSGE	-1	training
C02A1_BOVIN	262	EAGKPGKSGERGP	-1	training
C02A1_BOVIN	574	DAGPQKVGPSGA	-1	training
C02A1_BOVIN	616	ANGEPGKAGEKGL	-1	training
C02A1_BOVIN	634	LRGLPGKDGETGA	-1	training
C02A1_BOVIN	679	PPGEGGKPGDQGV	-1	training
C02A1_BOVIN	731	PGTDGPKGAAGPA	-1	training

C02A1_BOVIN	764	AGIAGPKGDRGDV	-1	training
C02A1_BOVIN	773	RGDVGEKGPEGAP	-1	training
C02A1_BOVIN	781	PEGAPGKDGGRL	-1	training
C02A1_BOVIN	803	AGANGEKGEVGPP	-1	training
C02A1_BOVIN	848	DGQPGAKGEQGEA	-1	training
C02A1_BOVIN	857	QGEAGQKGDAGAP	-1	training
C02A1_BOVIN	884	TGVTGPKGARGAQ	-1	training
C02A1_BOVIN	925	PPGPSGKDGPKGA	-1	training
C02A1_BOVIN	929	SGKDGPKGARGDS	-1	training
C02A1_BOVIN	956	AGPPGEKGEPGDD	-1	training
C02A1_BOVIN	1006	PSGEPGKQGAPGA	-1	training
C02A1_BOVIN	1055	DGAAGVKGDRGET	-1	training
C02A1_BOVIN	1084	PAGPIGKQGDRGE	-1	training
C02A1_BOVIN	1118	QGPRGDKGETGEA	-1	training
C02A1_BOVIN	1174	PVGPSGKDGANGI	-1	training
C02A1_BOVIN	1231	GLGQREKGPDPQL	-1	training
C02A1_BOVIN	1260	EVDATLKSLNNQI	-1	training
C02A1_BOVIN	1287	RTCRDLKLCHPEW	-1	training
C02A1_BOVIN	1294	LCHPEWKSGDYWI	-1	training
C02A1_BOVIN	1312	CTLDAMKVFCNME	-1	training
C02A1_BOVIN	1333	NPASVPKKNWWSS	-1	training
C02A1_BOVIN	1334	PASVPKKNWWSSK	-1	training
C02A1_BOVIN	1340	KNWWSSKSKDKKH	-1	training
C02A1_BOVIN	1342	WWSSKSKDKKHIW	-1	training
C02A1_BOVIN	1344	SSKSKDKKHIWFG	-1	training
C02A1_BOVIN	1345	SKSKDKKHIWFGE	-1	training
C02A1_BOVIN	1394	NITYHCKNSIAYL	-1	training
C02A1_BOVIN	1408	EAAGNLKKALLIQ	-1	training
C02A1_BOVIN	1409	AAGNLKKALLIQG	-1	training
C02A1_BOVIN	1435	FTYTVLKDGTCKH	-1	training
C02A1_BOVIN	1440	LKDGCTKHTGKWG	-1	training
C02A1_BOVIN	1444	CTKHTGKWGKTM	-1	training
C02A1_BOVIN	1447	HTGKWGKTMIEYR	-1	training
C02A1_BOVIN	1456	IEYRSQKTSRLPI	-1	training
C03A1_BOVIN	95	PGPPGMKGPAAGMP	1	training
C03A1_BOVIN	107	PGFPGMKGHRGFD	1	training
C03A1_BOVIN	119	DGRNGEKGEPAAP	1	training
C03A1_BOVIN	938	QGPRGDKGETGER	1	training
C03A1_BOVIN	950	RGAMGIKGRGFP	1	training
C03A1_BOVIN	8	YEAYDVKSGVAGG	-1	training
C03A1_BOVIN	73	AIGPSGKDGESGR	-1	training
C03A1_BOVIN	128	PGAPGLKGENGVP	-1	training
C03A1_BOVIN	194	PGSPGAKGEVGPA	-1	training
C03A1_BOVIN	239	DGSPGGKGEMGPA	-1	training
C03A1_BOVIN	280	AAGEPGKNGAKGD	-1	training
C03A1_BOVIN	284	PGKNGAKGDPGPR	-1	training
C03A1_BOVIN	305	PGIAGPKGEDGKD	-1	training
C03A1_BOVIN	310	PKGEDGKDGSPGE	-1	training
C03A1_BOVIN	347	NGLPGEKGPPGDR	-1	training
C03A1_BOVIN	394	GPGSNGKPGPPGS	-1	training
C03A1_BOVIN	428	MGFPGPKGNDGAP	-1	training
C03A1_BOVIN	436	NDGAPGKNGERGG	-1	training
C03A1_BOVIN	454	PQGPAGKNGETGP	-1	training
C03A1_BOVIN	473	TGPSGDKGDTGPP	-1	training

C03A1_BOVIN	499	PPGENGKPGEPGP	-1	training
C03A1_BOVIN	506	PGEPGPKGEAGAP	-1	training
C03A1_BOVIN	518	PGIPGGKGDGSGAP	-1	training
C03A1_BOVIN	551	PGPEGGKGAAGPP	-1	training
C03A1_BOVIN	584	PGGPGPKGDKGEP	-1	training
C03A1_BOVIN	587	PGPKGDKGEPGSS	-1	training
C03A1_BOVIN	601	VDGAPGKDGPGRGP	-1	training
C03A1_BOVIN	623	AGQPGDKGESGAP	-1	training
C03A1_BOVIN	668	NGEPGAKGERGAP	-1	training
C03A1_BOVIN	677	RGAPGEKGEAGPP	-1	training
C03A1_BOVIN	745	SSGAPGKDGPMPGP	-1	training
C03A1_BOVIN	767	PGISGPKGDSGPP	-1	training
C03A1_BOVIN	821	PGPQGIKGENGKP	-1	training
C03A1_BOVIN	826	IKGENGKPGPSGQ	-1	training
C03A1_BOVIN	875	DGAPGAKGDRGEN	-1	training
C03A1_BOVIN	994	PSGPPGKDGASGH	-1	training
C03A1_HUMAN	284	TGAPGLKGENGLP	1	training
C03A1_HUMAN	860	PGPQGVKGERGSP	1	training
C03A1_HUMAN	977	PGPQGVKGESGKP	1	training
C03A1_HUMAN	1106	RGAAGIKGHRGFP	1	training
C03A1_HUMAN	7	MMSFVQKGSWLL	-1	training
C03A1_HUMAN	46	ADRDVWKPEPCQI	-1	training
C03A1_HUMAN	108	QGPQGPKGDPGPP	-1	training
C03A1_HUMAN	161	YDSYDVKSGVAVG	-1	training
C03A1_HUMAN	229	PSGPAGKDGESGR	-1	training
C03A1_HUMAN	251	PGPPGIKGPAGIP	-1	training
C03A1_HUMAN	275	DGRNGEKGETGAP	-1	training
C03A1_HUMAN	395	NGSPGGKGEMGPA	-1	training
C03A1_HUMAN	436	GAGEPGKNGAKGE	-1	training
C03A1_HUMAN	440	PGKNGAKGEPGPR	-1	training
C03A1_HUMAN	461	PGVPGAKGEDGKD	-1	training
C03A1_HUMAN	466	AKGEDGKDGSPGE	-1	training
C03A1_HUMAN	503	NGIPGEKGPAGER	-1	training
C03A1_HUMAN	550	GPSSDGKPGPPGS	-1	training
C03A1_HUMAN	610	PQGPPGKNGETGP	-1	training
C03A1_HUMAN	629	TGPGGDKGDTGPP	-1	training
C03A1_HUMAN	662	PGEPGPKGDAGAP	-1	training
C03A1_HUMAN	674	PGAPGGKGDAGAP	-1	training
C03A1_HUMAN	740	LGSPGPKGDKGEP	-1	training
C03A1_HUMAN	743	PGPKGDKGEPGGP	-1	training
C03A1_HUMAN	757	ADGVPGKDGPRGP	-1	training
C03A1_HUMAN	779	AGQPGDKGEGGAP	-1	training
C03A1_HUMAN	824	NGEPGGKGERGAP	-1	training
C03A1_HUMAN	901	PSGSPGKDGPMPGP	-1	training
C03A1_HUMAN	923	PGVSGPKGDAGQP	-1	training
C03A1_HUMAN	932	AGQPGEKGSPGAQ	-1	training
C03A1_HUMAN	982	VKGESGKPGANGL	-1	training
C03A1_HUMAN	1031	DGSPGGKGDGRGEN	-1	training
C03A1_HUMAN	1150	PSGPPGKDGTSKH	-1	training
C03A1_HUMAN	1212	AGIGGEKAGGFAP	-1	training
C03A1_HUMAN	1228	DEPMDFKINTDEI	-1	training
C03A1_HUMAN	1239	EIMTSLKSVNGQI	-1	training
C03A1_HUMAN	1256	SPDGSRKNPARNC	-1	training
C03A1_HUMAN	1266	RNCRDLKFCHPEL	-1	training

C03A1_HUMAN	1273	FCHPELKSGEYVW	-1	training
C03A1_HUMAN	1286	DPNQGCKLDAIKV	-1	training
C03A1_HUMAN	1291	CKLDAIKVFCNME	-1	training
C03A1_HUMAN	1313	PLNVPRKHWWTDS	-1	training
C03A1_HUMAN	1323	TDSSAEKKHVWFG	-1	training
C03A1_HUMAN	1324	DSSAEKKHVWFGE	-1	training
C03A1_HUMAN	1373	NITYHCKNSIAYM	-1	training
C03A1_HUMAN	1387	QASGNVKKALKLM	-1	training
C03A1_HUMAN	1388	ASGNVKKALKLMG	-1	training
C03A1_HUMAN	1391	NVKKALKLMGSNE	-1	training
C03A1_HUMAN	1401	SNEGEFKAEGNSK	-1	training
C03A1_HUMAN	1407	KAEGNSKFTYTVL	-1	training
C03A1_HUMAN	1419	LEDGCTKHTGEWS	-1	training
C03A1_HUMAN	1426	HTGEWSKTVFEYR	-1	training
C03A1_HUMAN	1435	FEYRTRKAVRLPI	-1	training
C05A1_HUMAN	627	PGQTGPKGDRGFD	1	training
C05A1_HUMAN	642	AGLPGEKGHRGDP	1	training
C05A1_HUMAN	708	DGQPGPKGNVGPQ	1	training
C05A1_HUMAN	744	IGPPGEKGPLGKP	1	training
C05A1_HUMAN	774	EGPPGEKGGQGPP	1	training
C05A1_HUMAN	795	PGPRGVKGADGIR	1	training
C05A1_HUMAN	804	DGIRGLKGTKGEK	1	training
C05A1_HUMAN	807	RGLKGTKGEKGED	1	training
C05A1_HUMAN	810	KGTKGEKGEDGFP	1	training
C05A1_HUMAN	819	DGFPGFKGDMGIK	1	training
C05A1_HUMAN	846	DGPEGPKGRGGPN	1	training
C05A1_HUMAN	864	LGPPGEKGKLGVP	1	training
C05A1_HUMAN	882	PGRQGPKGSIGFP	1	training
C05A1_HUMAN	897	PGANGEKGGRGTP	1	training
C05A1_HUMAN	8	DVHTRWKARSALR	-1	training
C05A1_HUMAN	44	QPADLLKVLD FHN	-1	training
C05A1_HUMAN	57	LPDGITKTTFGCA	-1	training
C05A1_HUMAN	69	ATTRSSKGPDVAY	-1	training
C05A1_HUMAN	79	VAYRVTKDAQLSA	-1	training
C05A1_HUMAN	88	QLSAPTKQLYPAS	-1	training
C05A1_HUMAN	107	SILTTVKAKKGSQ	-1	training
C05A1_HUMAN	109	LTTVKAKKGSQAF	-1	training
C05A1_HUMAN	110	TTVKAKKGSQAFL	-1	training
C05A1_HUMAN	146	YEDHTGKPGPEDY	-1	training
C05A1_HUMAN	164	INLSDGKWHRIAL	-1	training
C05A1_HUMAN	174	IALSVHKKNVTLI	-1	training
C05A1_HUMAN	175	ALSVHKKNVTLIL	-1	training
C05A1_HUMAN	184	TLILDCKKKTTKF	-1	training
C05A1_HUMAN	185	LILDCKKKTTKFL	-1	training
C05A1_HUMAN	186	ILDCKKKTTKFLD	-1	training
C05A1_HUMAN	189	CKKKTTKFLDRSD	-1	training
C05A1_HUMAN	288	DPEDLGKEPTPSK	-1	training
C05A1_HUMAN	294	KEPTPSKKPVEAA	-1	training
C05A1_HUMAN	295	EPTPSKKPVEAAK	-1	training
C05A1_HUMAN	301	KPVEAAKETTEVP	-1	training
C05A1_HUMAN	329	TSEGAGKEEDVGI	-1	training
C05A1_HUMAN	452	GGPRGEKGQKGEP	-1	training
C05A1_HUMAN	455	RGEKGQKGEP AII	-1	training
C05A1_HUMAN	535	GGDAGSKGPMVSA	-1	training



C05A1_HUMAN	582	PGSGGLKGEPGDV	-1	training
C05A1_HUMAN	605	PPGPAGKPGRRGR	-1	training
C05A1_HUMAN	687	RGLLGPKGPPGPP	-1	training
C05A1_HUMAN	749	EKGPLGKPLPGM	-1	training
C05A1_HUMAN	767	PPGHPGKEGPPGE	-1	training
C05A1_HUMAN	825	KGDMGIKGDRIEI	-1	training
C05A1_HUMAN	866	PPGEKGKLGVPGL	-1	training
C05A1_HUMAN	905	GRGTPGKPGPRGQ	-1	training
C05A1_HUMAN	929	PRGITGKPGPKGN	-1	training
C05A1_HUMAN	933	TGKPGPKGNSGGD	-1	training
C05A1_HUMAN	963	TGFPGPKGPPGPP	-1	training
C05A1_HUMAN	971	PPGPPGKDGLPGH	-1	training
C05A1_HUMAN	989	ETGFQGKTGPPGP	-1	training
C05A1_HUMAN	1034	LPGLAGKEGTKGD	-1	training
C05A1_HUMAN	1038	AGKEGTKGDGPAA	-1	training
C05A1_HUMAN	1049	PAGLPGKDGPPGL	-1	training
C05A1_HUMAN	1074	VGALGLKGNEGPP	-1	training
C05A1_HUMAN	1119	PGPAGEKGAPGEK	-1	training
C05A1_HUMAN	1125	KGAPGEKGPQGPA	-1	training
C05A1_HUMAN	1158	PGEDGDKGEIGEP	-1	training
C05A1_HUMAN	1167	IGEPGQKGSKGDK	-1	training
C05A1_HUMAN	1170	PGQKGSKGDKGEQ	-1	training
C05A1_HUMAN	1173	KGSKGDKGEQGGP	-1	training
C05A1_HUMAN	1212	QGLFGQKGDEGPR	-1	training
C05A1_HUMAN	1239	PGPPGEKGETGDV	-1	training
C05A1_HUMAN	1284	PGAVGEKGEPGEA	-1	training
C05A1_HUMAN	1305	GGPPGPKGERGEK	-1	training
C05A1_HUMAN	1311	KGERGEKGESGPS	-1	training
C05A1_HUMAN	1326	AGPPGPKGPPGDD	-1	training
C05A1_HUMAN	1335	PGDDGPKGSPGPV	-1	training
C05A1_HUMAN	1365	DGPPGDKGDDGEP	-1	training
C05A1_HUMAN	1391	PSGPPGKRGPPGP	-1	training
C05A1_HUMAN	1407	EGRQGEKGAKGEA	-1	training
C05A1_HUMAN	1410	QGEKGAKGEAGLE	-1	training
C05A1_HUMAN	1421	LEGPPGKTGPIGP	-1	training
C05A1_HUMAN	1433	PQGAPGKPGPDGL	-1	training
C05A1_HUMAN	1473	PGLPGLKGDSGPK	-1	training
C05A1_HUMAN	1479	KGDSGPKGEKGHP	-1	training
C05A1_HUMAN	1482	SGPKGEKGHPGLI	-1	training
C05A1_HUMAN	1500	PGEQGEKGDRGLP	-1	training
C05A1_HUMAN	1515	QGSSGPKGEQGIT	-1	training
C05A1_HUMAN	1542	PGPPGPKGAKGSS	-1	training
C05A1_HUMAN	1545	PGPKGAKGSSGPT	-1	training
C05A1_HUMAN	1554	SGPTGPKGEAGHP	-1	training
C05A1_HUMAN	1619	GSLNSLKLEIEQM	-1	training
C05A1_HUMAN	1626	LEIEQMKRPLGTQ	-1	training
C05A1_HUMAN	1640	NPARTCKDLQLCH	-1	training
C05A1_HUMAN	1668	CSRDSFKVYCNET	-1	training
C05A1_HUMAN	1685	TCVFPDKKSEGAR	-1	training
C05A1_HUMAN	1686	CVFPDKKSEGARI	-1	training
C05A1_HUMAN	1697	RITSWPKENPGSW	-1	training
C05A1_HUMAN	1708	SWFSEFKRGKLLS	-1	training
C05A1_HUMAN	1711	SEFKRGKLLSYVD	-1	training
C05A1_HUMAN	1762	ATGSYDKALRFLG	-1	training

C05A1_HUMAN	1792	VDGCATKKGYQKT	-1	training
C05A1_HUMAN	1793	DGCATKKGYQKT	-1	training
C05A1_HUMAN	1797	TKKGYQKTVLEID	-1	training
C05A1_HUMAN	1806	LEIDTPKVEQVPI	-1	training
C05A1_HUMAN	1826	FGEASQKFGFEVG	-1	training
C07A1_HUMAN	2625	MGPRGLKGERGVK	1	training
C07A1_HUMAN	2631	KGERGVKGACGLD	1	training
C07A1_HUMAN	113	IRELSYKGGNTRT	-1	training
C07A1_HUMAN	142	ARPGVPKVCILIT	-1	training
C07A1_HUMAN	151	ILITDGKSQDLVD	-1	training
C07A1_HUMAN	164	TAAQRLKGQGVKL	-1	training
C07A1_HUMAN	169	LKGQGVKLFVGI	-1	training
C07A1_HUMAN	176	LFVGIKNADPEE	-1	training
C07A1_HUMAN	184	ADPEELKRVASQP	-1	training
C07A1_HUMAN	263	GPVTGYKVQYTPL	-1	training
C07A1_HUMAN	459	GLEPPQKVLPSP	-1	training
C07A1_HUMAN	727	SAHGPEKSQLVSG	-1	training
C07A1_HUMAN	1253	CPVYCPKGQKGE	-1	training
C07A1_HUMAN	1256	YCPKGQKGEPEG	-1	training
C07A1_HUMAN	1295	PGSATAKGERGFP	-1	training
C07A1_HUMAN	1325	PGAPGLKGSPGLP	-1	training
C07A1_HUMAN	1346	RGPRGPKGEPGAP	-1	training
C07A1_HUMAN	1367	PGLPGRKGDGPS	-1	training
C07A1_HUMAN	1399	LPGTAMKGDGDR	-1	training
C07A1_HUMAN	1402	TAMKGDGDRGER	-1	training
C07A1_HUMAN	1443	PVGPPGKKGEKGD	-1	training
C07A1_HUMAN	1444	VGPPGKKGEKGDS	-1	training
C07A1_HUMAN	1447	PGKKGEKGDSGD	-1	training
C07A1_HUMAN	1479	PGAIGPKGDRGFP	-1	training
C07A1_HUMAN	1494	LGEAGEKGERGPP	-1	training
C07A1_HUMAN	1518	AGRPGAKGPEGPP	-1	training
C07A1_HUMAN	1533	TGRQGEKGEPRGP	-1	training
C07A1_HUMAN	1553	PAVAGPKGEKGDV	-1	training
C07A1_HUMAN	1556	AGPKGEKGDVGPA	-1	training
C07A1_HUMAN	1588	PGDPGPKGDPGDR	-1	training
C07A1_HUMAN	1615	SGPPGEKGDPRGP	-1	training
C07A1_HUMAN	1639	DGEVGEKGDGPP	-1	training
C07A1_HUMAN	1653	DPGLPGKAGERGL	-1	training
C07A1_HUMAN	1672	RGPVGEKGDQGD	-1	training
C07A1_HUMAN	1693	PGSSGPKGDRGEP	-1	training
C07A1_HUMAN	1718	GPGAREKGEPRGP	-1	training
C07A1_HUMAN	1733	EGPRGPKGDPGLP	-1	training
C07A1_HUMAN	1769	RGPAGEKGDGPP	-1	training
C07A1_HUMAN	1786	RSGLDGKPGAAGP	-1	training
C07A1_HUMAN	1801	PNGAAGKAGDPGR	-1	training
C07A1_HUMAN	1831	PPGLPGKPGEDGK	-1	training
C07A1_HUMAN	1837	KPGEDGKPGKNGK	-1	training
C07A1_HUMAN	1843	KPGLNGKNGEPGD	-1	training
C07A1_HUMAN	1856	PGEDGRKGEKGDS	-1	training
C07A1_HUMAN	1859	DGRKGEKGDGSGAS	-1	training
C07A1_HUMAN	1874	EGRDGPKEGGERGAP	-1	training
C07A1_HUMAN	1912	PGGTGPKGDRGET	-1	training
C07A1_HUMAN	1921	RGETGSKGEQGLP	-1	training
C07A1_HUMAN	1952	LETAGIKASALRE	-1	training

C07A1_HUMAN	1981	ERRRGPKGDSGEQ	-1	training
C07A1_HUMAN	1992	EQGPPGKEGPIGF	-1	training
C07A1_HUMAN	2005	PGERGLKGDRGDP	-1	training
C07A1_HUMAN	2038	LAGEPGKPGIPGL	-1	training
C07A1_HUMAN	2066	RGERGEKGERGEQ	-1	training
C07A1_HUMAN	2093	PGPPGPKVSVDEP	-1	training
C07A1_HUMAN	2113	QGPPGLKGAKEP	-1	training
C07A1_HUMAN	2116	PGLKGAKEPGSN	-1	training
C07A1_HUMAN	2128	NGDQGPKGDRGVP	-1	training
C07A1_HUMAN	2137	RGVPGIKGDRGEP	-1	training
C07A1_HUMAN	2166	MAGPEGKPGQLQP	-1	training
C07A1_HUMAN	2206	QGPSGLKEPGET	-1	training
C07A1_HUMAN	2255	QVGETGKPGAPGR	-1	training
C07A1_HUMAN	2267	RDGASGKDGRGS	-1	training
C07A1_HUMAN	2289	PGPVGPKGEPGPT	-1	training
C07A1_HUMAN	2309	VGLPGAKEKGAP	-1	training
C07A1_HUMAN	2312	PGAKEKGAPGGL	-1	training
C07A1_HUMAN	2329	VGEPGAKGDRGLP	-1	training
C07A1_HUMAN	2341	PGPRGEKEAGRA	-1	training
C07A1_HUMAN	2359	PGEDGQKGAPGPK	-1	training
C07A1_HUMAN	2365	KGAPGPKGFKGDP	-1	training
C07A1_HUMAN	2368	PGPKGFKGDPGVG	-1	training
C07A1_HUMAN	2388	PGPPGVKGDGLP	-1	training
C07A1_HUMAN	2457	PGASGLKGDKGDP	-1	training
C07A1_HUMAN	2460	SGLKGDKGDPGVG	-1	training
C07A1_HUMAN	2507	RGERGEKGDVGS	-1	training
C07A1_HUMAN	2516	VGSAGLKGDKGDS	-1	training
C07A1_HUMAN	2519	AGLKGDKGDSAVI	-1	training
C07A1_HUMAN	2535	PGPRGAKGDMGER	-1	training
C07A1_HUMAN	2550	RGLDGDGKPRGDN	-1	training
C07A1_HUMAN	2562	NGDPGDKGSKGEP	-1	training
C07A1_HUMAN	2565	PGDKGSKGEPGDK	-1	training
C07A1_HUMAN	2571	KGEPGDKGSAGLP	-1	training
C07A1_HUMAN	2603	DPGSPGKDGVPGI	-1	training
C07A1_HUMAN	2613	PGIRGEKGDVGFM	-1	training
C07A1_HUMAN	2640	CGLDGEKGDKEA	-1	training
C07A1_HUMAN	2643	DGEKGDKEAGPP	-1	training
C07A1_HUMAN	2658	PGLAGHKGEMGEP	-1	training
C07A1_HUMAN	2675	QSGAPGKEGLIGP	-1	training
C07A1_HUMAN	2682	EGLIGPKGDRGFD	-1	training
C07A1_HUMAN	2694	DGQPGPKGDQGEK	-1	training
C07A1_HUMAN	2700	KGDQGEKGERGTP	-1	training
C07A1_HUMAN	2742	EGLQGQKGERGPP	-1	training
C07A1_HUMAN	2780	AGPRGEKGEAALT	-1	training
C09A2_CHICK	181	NCPPGPKGPQGLQ	1	training
C09A2_CHICK	51	DGIDGDKGSPGAP	-1	training
C09A2_CHICK	63	PGSPGAKEPGAP	-1	training
C09A2_CHICK	77	PDGPPGKPGLDGL	-1	training
C09A2_CHICK	87	DGLTGAKGSRGPW	-1	training
C09A2_CHICK	99	WGGQGLKGQPLP	-1	training
C09A2_CHICK	137	IGVPGPKGDPGPD	-1	training
C09A2_CHICK	154	PPGPPGKPGPPGH	-1	training
C09A2_CHICK	190	QGLQGLKGHRGRP	-1	training
C09A2_CHICK	207	EPGQQGKQGPBGD	-1	training

C09A2_CHICK	211	QGKQGPBGDVGVS	-1	training
C09A2_CHICK	241	PGMAGPKGETGPA	-1	training
C09A2_CHICK	250	TGPAGYKGMVGTI	-1	training
C09A2_CHICK	268	PGREGPKGPPGDP	-1	training
C09A2_CHICK	277	PGDPGEKGELGGR	-1	training
C09A2_CHICK	295	QGDIGPKGDMGLP	-1	training
C09A2_CHICK	306	LPGIDGKDGTPI	-1	training
C09A2_CHICK	316	PGIPGVKGTAGQP	-1	training
C09A2_CHICK	343	PGQPGSKGGPGDK	-1	training
C09A2_CHICK	349	KGGPGDKGEVGAR	-1	training
C09A2_CHICK	385	AGVPGLKGDRGER	-1	training
C09A2_CHICK	406	AGQSGPKGEQGP	-1	training
C09A2_CHICK	424	QGLPGVKGDGSP	-1	training
C09A2_CHICK	427	PGVKGDGSPGKT	-1	training
C09A2_CHICK	432	DKGSPGKTGPKGS	-1	training
C09A2_CHICK	436	PGKTGPKGSTGDP	-1	training
C09A2_CHICK	451	HGLAGVKGEKGES	-1	training
C09A2_CHICK	454	AGVKGEKGESGEP	-1	training
C09A2_CHICK	463	SGEPGPKGQQGIQ	-1	training
C09A2_CHICK	529	IIDVVLKMMQEQL	-1	training
C09A2_CHICK	543	EVAVSAKRAALGG	-1	training
C09A2_CHICK	595	IGNIGPKGKRGEK	-1	training
C09A2_CHICK	597	NIGPKGKRGEKGE	-1	training
C09A2_CHICK	601	KGKRGEKGERGDT	-1	training
C09A2_CHICK	634	GHALAGKDGERGP	-1	training
COEA1_HUMAN	1476	PGLRGPKGQQGEP	1	training
COEA1_HUMAN	1485	QGEPPGKGPDPGR	1	training
COEA1_HUMAN	1523	PGMPGEKGEKGD	1	training
COEA1_HUMAN	1526	PGEKGEKGDGLP	1	training
COEA1_HUMAN	1601	PGVPGAAGERGER	1	training
COEA1_HUMAN	1698	RGLTGIKGEKGNP	1	training
COEA1_HUMAN	1701	TGIKGEKGNPGVG	1	training
COEA1_HUMAN	2	XXXXXMKIFQRKM	-1	training
COEA1_HUMAN	7	MKIFQRKMRYWLL	-1	training
COEA1_HUMAN	51	SIQISWKAPRGKF	-1	training
COEA1_HUMAN	56	WKAPRGKFGGYKL	-1	training
COEA1_HUMAN	61	GKFGGYKLLVTPT	-1	training
COEA1_HUMAN	71	TPTSGGKTNLNL	-1	training
COEA1_HUMAN	83	LQNTATKAI IQGL	-1	training
COEA1_HUMAN	104	QIIAYNKDKESKP	-1	training
COEA1_HUMAN	106	IAYNKDKESKPAQ	-1	training
COEA1_HUMAN	109	NKDKESKPAQQGF	-1	training
COEA1_HUMAN	118	QQGFRIKDLEKRR	-1	training
COEA1_HUMAN	122	RIKDLEKRKDPKP	-1	training
COEA1_HUMAN	124	KDLEKRKDPKPRV	-1	training
COEA1_HUMAN	127	EKRKDPKPRKV	-1	training
COEA1_HUMAN	131	DPKPRKVVDGRN	-1	training
COEA1_HUMAN	148	SSPEEVKFVCQTP	-1	training
COEA1_HUMAN	194	FDVGSEKTRIGLA	-1	training
COEA1_HUMAN	218	LNAFSTKDEVIEA	-1	training
COEA1_HUMAN	231	VRNLPHYGGNTLT	-1	training
COEA1_HUMAN	250	IFENSFKPEAGSR	-1	training
COEA1_HUMAN	261	SRTGVSKIGILIT	-1	training
COEA1_HUMAN	270	ILITDGKSQDDII	-1	training

COEA1_HUMAN	295	LFAIGVKNADVNE	-1	training
COEA1_HUMAN	346	EQDREIKASAHAI	-1	training
COEA1_HUMAN	382	APGNVEKYRVVYY	-1	training
COEA1_HUMAN	394	YPTRGGKPDEVVV	-1	training
COEA1_HUMAN	410	VSSTVLKNLSLT	-1	training
COEA1_HUMAN	462	ENSMRVKWDVPG	-1	training
COEA1_HUMAN	488	GLAGDEKEMKIGE	-1	training
COEA1_HUMAN	491	GDEKEMKIGETH	-1	training
COEA1_HUMAN	591	ITTFPLKGLTPLT	-1	training
COEA1_HUMAN	655	ADEGLHKLMWIPV	-1	training
COEA1_HUMAN	665	IPVYGGKTEEVVL	-1	training
COEA1_HUMAN	672	TEEVVLKEEQDSH	-1	training
COEA1_HUMAN	754	TSSLRVKWDISDS	-1	training
COEA1_HUMAN	796	QNNLLKPLLPDT	-1	training
COEA1_HUMAN	805	LPDTEYKVTVTPI	-1	training
COEA1_HUMAN	825	SVSAPGKTLPSSG	-1	training
COEA1_HUMAN	857	PPSSPVKGYRIVY	-1	training
COEA1_HUMAN	864	GYRIVYKPVSVPG	-1	training
COEA1_HUMAN	898	GMDYNVKIFASQA	-1	training
COEA1_HUMAN	916	ALTGMVKTLFLGV	-1	training
COEA1_HUMAN	928	VTNLQAKHVEMTS	-1	training
COEA1_HUMAN	960	SLQDRQKQESTVG	-1	training
COEA1_HUMAN	984	QPDSEYKISVYTK	-1	training
COEA1_HUMAN	990	KISVYTKLQEIEG	-1	training
COEA1_HUMAN	1004	SVSIMEKTQSLPT	-1	training
COEA1_HUMAN	1023	PTIPPAKEVCKAA	-1	training
COEA1_HUMAN	1027	PAKEVCKAAKADL	-1	training
COEA1_HUMAN	1030	EVCKAAKADLVFM	-1	training
COEA1_HUMAN	1050	GDENFNKIISFLY	-1	training
COEA1_HUMAN	1064	TVGALNKIGTDGT	-1	training
COEA1_HUMAN	1086	DPRTEFKLNAYKT	-1	training
COEA1_HUMAN	1091	FKLNAYKTKETLL	-1	training
COEA1_HUMAN	1093	LNAYKTKETLLDA	-1	training
COEA1_HUMAN	1101	TLLDAIKHISYKG	-1	training
COEA1_HUMAN	1106	IKHISYKGGNTKT	-1	training
COEA1_HUMAN	1111	YKGGNTKTGKAIK	-1	training
COEA1_HUMAN	1114	GNTKTGKAIKYVR	-1	training
COEA1_HUMAN	1117	KTGKAIKYVRDTL	-1	training
COEA1_HUMAN	1136	TRRGIPKVIVVIT	-1	training
COEA1_HUMAN	1152	SQDDVNKISREMQ	-1	training
COEA1_HUMAN	1183	LVSIGSKPSARHV	-1	training
COEA1_HUMAN	1199	DDFDAFKKIEDEL	-1	training
COEA1_HUMAN	1200	DDFDAFKKIEDELI	-1	training
COEA1_HUMAN	1222	TCPVVHKDGLDLA	-1	training
COEA1_HUMAN	1231	IDLAGFKMMEMFG	-1	training
COEA1_HUMAN	1241	MFGLVEKDFSSVE	-1	training
COEA1_HUMAN	1266	PCYQLHKDALVSQ	-1	training
COEA1_HUMAN	1311	LWEILNKNSDPLV	-1	training
COEA1_HUMAN	1326	ILDNGGKTLTYFN	-1	training
COEA1_HUMAN	1351	EGPEIRKIFYGSF	-1	training
COEA1_HUMAN	1359	FYGSFHKLHIVVS	-1	training
COEA1_HUMAN	1370	VSETLVKVVIDCK	-1	training
COEA1_HUMAN	1376	KVVIDCKQVGEKA	-1	training
COEA1_HUMAN	1381	CKQVGEKAMNASA	-1	training

COEA1_HUMAN	1399	GVEVLGKMVRSRG	-1	training
COEA1_HUMAN	1431	SWANTDKCCELPG	-1	training
COEA1_HUMAN	1558	QRGLPGKDGSSGP	-1	training
CONG_BOVIN	63	ECPHGEKGDGSP	1	training
CONG_BOVIN	87	VGPIGPKGDNGFV	1	training
CONG_BOVIN	99	VGEPGPKGDTGPR	1	training
CONG_BOVIN	135	PGTPGPKGETGPK	1	training
CONG_BOVIN	141	KGETGPKGGVGAP	1	training
CONG_BOVIN	159	PGPSGLKGEKGAP	1	training
CONG_BOVIN	162	SGLKGEKGAPGET	1	training
CONG_BOVIN	198	RGPPGLKGDRGDP	1	training
CONG_BOVIN	210	PGETGAKGESGLA	1	training
CONG_BOVIN	29	MTTFSQKILANAC	-1	training
CONG_BOVIN	122	REGPSGKQGSMP	-1	training
CONG_BOVIN	222	AEVNALKQRVTL	-1	training
CONG_BOVIN	243	NAFSQYKKAVLFP	-1	training
CONG_BOVIN	244	AFSQYKKAVLFPD	-1	training
CONG_BOVIN	257	GQAVGEKIFKTAG	-1	training
CONG_BOVIN	260	VGEKIFKTAGAVK	-1	training
CONG_BOVIN	266	KTAGAVKSYSDAE	-1	training
CONG_BOVIN	279	QLCREAKGQLASP	-1	training
CONG_BOVIN	303	MVRAQEKDAYLSM	-1	training
CONG_BOVIN	355	EIFPDGKWNVPC	-1	training
CONG_BOVIN	363	NDVPCSKQLLVIC	-1	training
LC7L2_HUMAN	266	RSRSHSKNPKRSR	1	training
LC7L2_HUMAN	269	SHSKNPKRSRSRE	1	training
LC7L2_HUMAN	29	TTRQRIKFSDDRV	-1	training
LC7L2_HUMAN	37	SDDRVCKSHLLNC	-1	training
LC7L2_HUMAN	61	DLGECLKVHDLAL	-1	training
LC7L2_HUMAN	76	DYEIASKEQDFFF	-1	training
LC7L2_HUMAN	105	RRTEVAKKRLAET	-1	training
LC7L2_HUMAN	106	RTEVAKKRLAETQ	-1	training
LC7L2_HUMAN	122	SAEVAKAERVHE	-1	training
LC7L2_HUMAN	135	LNEEIGKLLAKVE	-1	training
LC7L2_HUMAN	139	IGKLLAKVEQLGA	-1	training
LC7L2_HUMAN	154	NVEESQKVMDEVE	-1	training
LC7L2_HUMAN	161	VMDEVEKARAKKR	-1	training
LC7L2_HUMAN	165	VEKARAKKREAE	-1	training
LC7L2_HUMAN	166	EKARAKKREAEV	-1	training
LC7L2_HUMAN	186	SSFQQQKLRVCEV	-1	training
LC7L2_HUMAN	213	ADHFGGKLHLGFI	-1	training
LC7L2_HUMAN	224	FIEIREKLEELKR	-1	training
LC7L2_HUMAN	229	EKLEELKRVVAEK	-1	training
LC7L2_HUMAN	235	KRVVAEKQEKRNQ	-1	training
LC7L2_HUMAN	238	VAEKQEKRNQERL	-1	training
LC7L2_HUMAN	245	RNQERLKRREERE	-1	training
LC7L2_HUMAN	257	EREEREKLRRSRS	-1	training
LC7L2_HUMAN	289	SMSRERKRRTSK	-1	training
LC7L2_HUMAN	295	KRRTRSKSREKRH	-1	training
LC7L2_HUMAN	299	RSKSREKRHRHRS	-1	training
LC7L2_HUMAN	332	RSRERSKRRSSKE	-1	training
LC7L2_HUMAN	337	SKRRSSKERFRDQ	-1	training
LC7L2_HUMAN	365	PRDRDRKDKKRSY	-1	training
LC7L2_HUMAN	367	DRDRKDKKRSYES	-1	training

LC7L2_HUMAN	368	RDRKDKKRSYESA	-1	training
MBL1_RAT	44	DGRDGPKEKGEPE	1	training
MBL1_RAT	47	DGPKEKGEPEGGG	1	training
MBL1_RAT	28	TCEETLKTCSVIA	-1	training
MBL1_RAT	63	LQGPPEGKLGPPGS	-1	training
MBL1_RAT	94	SRAIEVKLANMEA	-1	training
MBL1_RAT	106	AEINTLKSKELELT	-1	training
MBL1_RAT	108	INTLKSKELELTNK	-1	training
MBL1_RAT	114	KELELTNKLHAFSM	-1	training
MBL1_RAT	122	HAFSMGKKSCKKFF	-1	training
MBL1_RAT	123	AFSMGKKSCKKFF	-1	training
MBL1_RAT	126	MGKKSCKKFFVTN	-1	training
MBL1_RAT	127	GKKSCKKFFVTNH	-1	training
MBL1_RAT	140	ERMPFSKVKALCS	-1	training
MBL1_RAT	142	MPFSKVKALCSEL	-1	training
MBL1_RAT	162	RNAEENKAIQEV	-1	training
MBL1_RAT	169	AIQEVAKTSAFLG	-1	training
MBL1_RAT	199	LTYSNWKDEPN	-1	training
MBL1_RAT	200	TYSNWKDEPNH	-1	training
PHE2_RHDS2	41	VNMAMDKSAKAPV	1	training
PHE2_RHDS2	4	XXXMSAKIIAFSA	-1	training
PHE2_RHDS2	44	AMDKSAKAPVITI	-1	training
PHE2_RHDS2	61	GCSRAPKEYTGAK	-1	training
PHE2_RHDS2	67	KEYTGAKAGGKDD	-1	training
PHE2_RHDS2	71	GAKAGGKDDMMV	-1	training
PHE2_RHDS2	78	DDEMMVKAQSVKI	-1	training
PHE2_RHDS2	83	VKAQSVKIEVSTG	-1	training
PHE2_RHDS2	101	LATSLAKMTKXXX	-1	training
PHE2_RHDS2	104	SLAKMTKXXXXXX	-1	training
PHE3_RHDS2	56	AGAAMDKSAKAPQ	1	training
PHE3_RHDS2	4	XXXMFAKTLASLA	-1	training
PHE3_RHDS2	59	AMDKSAKAPQITI	-1	training
PHE3_RHDS2	76	GCSRAPKESTGGK	-1	training
PHE3_RHDS2	82	KESTGGKAGGQDD	-1	training
PHE3_RHDS2	93	DDEMMVKVASTKV	-1	training
PHE3_RHDS2	98	VKVASTKVTVSES	-1	training
PHE3_RHDS2	108	SESDAAKKLQEFI	-1	training
PHE3_RHDS2	109	ESDAAKKLQEFIT	-1	training
PHE3_RHDS2	118	EFITFEKGIDGPF	-1	training
PHE3_RHDS2	127	DGPFTSKNXXXXX	-1	training
SFTPD_RAT	86	RGPVGPKEGNGSA	1	training
SFTPD_RAT	98	AGEPGKGERGLV	1	training
SFTPD_RAT	23	DLGAEMKTLQRS	-1	training
SFTPD_RAT	62	EGPRGEKGDPLP	-1	training
SFTPD_RAT	118	ISGPAGKEGPSGK	-1	training
SFTPD_RAT	124	KEGPSGKQGNIGP	-1	training
SFTPD_RAT	133	NIGPQKPGPKGE	-1	training
SFTPD_RAT	137	QKPGPKGEAGPK	-1	training
SFTPD_RAT	143	KGEAGPKGEVGAP	-1	training
SFTPD_RAT	158	QGSAGAKGPAGPK	-1	training
SFTPD_RAT	164	KGPAGPKGERGAP	-1	training
SFTPD_RAT	203	RGPPGLKGDRGAP	-1	training
SFTPD_RAT	215	PGDRGIKGESGLP	-1	training
SFTPD_RAT	236	MEALNGKLQRLEA	-1	training

SFTPD_RAT	248	AAFSRYKKAALFP	-1	training
SFTPD_RAT	249	AFSRYKKAALFPD	-1	training
SFTPD_RAT	262	GQSVGDKIFRAAN	-1	training
SFTPD_RAT	277	EPFEDAKEMCRQA	-1	training
SFTPD_RAT	308	LVTAHSKAAFLSM	-1	training
SFTPD_RAT	322	DVGTEGKFTYPTG	-1	training
SFTPD_RAT	362	NGQWNDKACGEQR	-1	training
STYD_STYCL	27	EAGWLRKAAKSVG	1	training
STYD_STYCL	30	WLRKAAKSVGKFY	1	training
STYD_STYCL	34	AAKSVGKFYYKHK	1	training
STYD_STYCL	38	VGKFYYKHKYYIK	1	training
STYD_STYCL	40	KFYYKHKYYIKAA	1	training
STYD_STYCL	44	KHKYYIKAAWQIG	1	training
STYD_STYCL	4	XXXMQMKATILIV	-1	training
STYD_STYCL	51	AAWQIGKHALGDM	-1	training
STYD_STYCL	67	EFQDFMKEVEQAR	-1	training
U2AF2_HUMAN	15	RQLNENKQERDKE	1	training
U2AF2_HUMAN	276	LNDDQVKELLTSF	1	training
U2AF2_HUMAN	20	NKQERDKENRHRK	-1	training
U2AF2_HUMAN	26	KENRHRKRSHSRS	-1	training
U2AF2_HUMAN	38	SRSRDRKRRSRSR	-1	training
U2AF2_HUMAN	63	DRRRRSKPLTRGA	-1	training
U2AF2_HUMAN	70	PLTRGAKKEHGGL	-1	training
U2AF2_HUMAN	84	RSPRHEKKKKVRK	-1	training
U2AF2_HUMAN	85	SPRHEKKKKVRKY	-1	training
U2AF2_HUMAN	86	PRHEKKKKVRKYW	-1	training
U2AF2_HUMAN	87	RHEKKKKVRKYWD	-1	training
U2AF2_HUMAN	90	KKKKVRKYWDVPP	-1	training
U2AF2_HUMAN	108	ITPMQYKAMQAAG	-1	training
U2AF2_HUMAN	195	VQINQDKNFAPLE	-1	training
U2AF2_HUMAN	225	FQGQSLKIRRPHD	-1	training
U2AF2_HUMAN	260	VPDSAHKLFIGGL	-1	training
U2AF2_HUMAN	286	TSFGPLKAFNLVK	-1	training
U2AF2_HUMAN	292	KAFNLVKDSATGL	-1	training
U2AF2_HUMAN	300	SATGLSKGYAFCE	-1	training
U2AF2_HUMAN	328	GMQLGDKLLVQR	-1	training
U2AF2_HUMAN	329	MLGDKKLLVQRA	-1	training
U2AF2_HUMAN	340	RASVGAKNATLVS	-1	training
U2AF2_HUMAN	408	VRDECSKYGLVKS	-1	training
U2AF2_HUMAN	413	SKYGLVKSIEIPR	-1	training
U2AF2_HUMAN	431	EVPGCGKIFVEFT	-1	training
U2AF2_HUMAN	444	SVFDCQKAMQGLT	-1	training
U2AF2_HUMAN	453	QGLTGRRKFANRVV	-1	training
U2AF2_HUMAN	462	NRVVVTKYCDPDS	-1	training
ADIPO_BOVIN	28	EDPPLPKGACAGW	1	external validation
ADIPO_BOVIN	60	DGTPGEKGEKGDP	1	external validation
ADIPO_BOVIN	63	PGEKGEKGDPGLV	1	external validation
ADIPO_BOVIN	72	PGLVGPKGDTGET	1	external validation
ADIPO_BOVIN	96	PGTPGRKGEPGES	1	external validation
ADIPO_BOVIN	129	VPIRFTKIFYNQ	-1	external validation
ADIPO_BOVIN	144	YDGTGKFLCNIP	-1	external validation
ADIPO_BOVIN	164	HITVYLKDVKVSL	-1	external validation
ADIPO_BOVIN	167	VYLDKDVKSLEYKN	-1	external validation
ADIPO_BOVIN	172	VKVSLEYKNDKALL	-1	external validation



ADIPO_BOVIN	175	SLYKNDKALLFTH	-1	external validation
ADIPO_BOVIN	187	HDQFQDKNVDQAS	-1	external validation
ADIPO_BOVIN	202	VLLYLEKGDQVWL	-1	external validation
CECB_HELVI	21	IRDGIVKAGPAIA	1	external validation
CECB_HELVI	1	XXXXXXKWKVFKK	-1	external validation
CECB_HELVI	3	XXXXKWKVFKKIE	-1	external validation
CECB_HELVI	6	XKWKVFKKIEKVG	-1	external validation
CECB_HELVI	7	KWKVFKKIEKVGR	-1	external validation
CECB_HELVI	10	VFKKIEKVGRNIR	-1	external validation
C06A3_HUMAN	2103	RGFPGEKGEVGEI	1	external validation
C06A3_HUMAN	2209	RGPPGAKGNKGGP	1	external validation
C06A3_HUMAN	2212	PGAKGNKGGPGQP	1	external validation
C06A3_HUMAN	2322	PGYPGPKGNPGEP	1	external validation
C06A3_HUMAN	2337	NGTTGPKGIRRR	1	external validation
C06A3_HUMAN	3	XXXXMRKHRHLPL	-1	external validation
C06A3_HUMAN	33	QQQADVKNAAAAD	-1	external validation
C06A3_HUMAN	67	FLYDVVKS LAVGE	-1	external validation
C06A3_HUMAN	99	LNTYRTKQEVLSH	-1	external validation
C06A3_HUMAN	120	GTNQTGKGLEYIM	-1	external validation
C06A3_HUMAN	132	MQSHLTKAAGSRA	-1	external validation
C06A3_HUMAN	155	LTDGHSKDGLALP	-1	external validation
C06A3_HUMAN	166	LPSAELKSADVNV	-1	external validation
C06A3_HUMAN	186	ADEGALKEIASEP	-1	external validation
C06A3_HUMAN	233	GDTETLKDITAQD	-1	external validation
C06A3_HUMAN	271	LVNLEKLPIGTQ	-1	external validation
C06A3_HUMAN	302	LDTYSTKAQVLGA	-1	external validation
C06A3_HUMAN	310	QVLGAVKALGFAG	-1	external validation
C06A3_HUMAN	370	YGVVALKQASVFS	-1	external validation
C06A3_HUMAN	414	FGDLQEKLLPYIV	-1	external validation
C06A3_HUMAN	430	QRHIVLKPPTIVT	-1	external validation
C06A3_HUMAN	443	QVIEVNRDIVFL	-1	external validation
C06A3_HUMAN	470	IRDFIAKVIQRLE	-1	external validation
C06A3_HUMAN	505	FNTHPTKREVITA	-1	external validation
C06A3_HUMAN	514	VITAVRKMKPLDG	-1	external validation
C06A3_HUMAN	516	TAVRKMKPLDGSA	-1	external validation
C06A3_HUMAN	551	AAEGIPKLLVLIT	-1	external validation
C06A3_HUMAN	560	VLITGGKSLDEIS	-1	external validation
C06A3_HUMAN	573	QPAQELKRSSIMA	-1	external validation
C06A3_HUMAN	585	AFAIGNKGADQAE	-1	external validation
C06A3_HUMAN	637	PEVHSNKRDIIFL	-1	external validation
C06A3_HUMAN	652	GSANVGKTNFPYV	-1	external validation
C06A3_HUMAN	699	LNTYQTKSDILGH	-1	external validation
C06A3_HUMAN	783	GASQANKAELEQI	-1	external validation
C06A3_HUMAN	835	LAQPESKRDILFL	-1	external validation
C06A3_HUMAN	861	VRDFLYKI IDELN	-1	external validation
C06A3_HUMAN	869	IDELNVKPEGTRI	-1	external validation
C06A3_HUMAN	885	QYSDDVKVESRFD	-1	external validation
C06A3_HUMAN	896	FDEHQSKPEILNL	-1	external validation
C06A3_HUMAN	904	EILNLVKRMKIKT	-1	external validation
C06A3_HUMAN	907	NLVKRMKIKTGKA	-1	external validation
C06A3_HUMAN	909	VKRMKIKTGKALN	-1	external validation
C06A3_HUMAN	912	MKIKTGKALNLGY	-1	external validation
C06A3_HUMAN	930	QRYIFVKSAGSRI	-1	external validation
C06A3_HUMAN	964	GPASNLKQSGVVP	-1	external validation

C06A3_HUMAN	976	PFIFQAKNADPAE	-1	external validation
C06A3_HUMAN	1001	AAESLPKIGDLHP	-1	external validation
C06A3_HUMAN	1014	QIVNLLKSVHNGA	-1	external validation
C06A3_HUMAN	1028	APVSGEKDVVFL	-1	external validation
C06A3_HUMAN	1048	SGFPLLKEFVQRV	-1	external validation
C06A3_HUMAN	1088	LNSYMNKQDVVNA	-1	external validation
C06A3_HUMAN	1156	NPSVVVKRGGAVP	-1	external validation
C06A3_HUMAN	1231	SPGVGGKRDVVFL	-1	external validation
C06A3_HUMAN	1281	QFSDDPKVEFLN	-1	external validation
C06A3_HUMAN	1292	LNAHSSKDEVQNA	-1	external validation
C06A3_HUMAN	1305	VQRLRPKGGRQIN	-1	external validation
C06A3_HUMAN	1325	VSRNIFKRPLGSR	-1	external validation
C06A3_HUMAN	1347	VLISSGKSDDEV	-1	external validation
C06A3_HUMAN	1360	DPAVELKQFGVAP	-1	external validation
C06A3_HUMAN	1380	DQEELVKISLSPE	-1	external validation
C06A3_HUMAN	1403	LPSLEQKLLTPIT	-1	external validation
C06A3_HUMAN	1418	TSEQIQKLLASTR	-1	external validation
C06A3_HUMAN	1472	LNIGPSKVRVGV	-1	external validation
C06A3_HUMAN	1491	FPEFYLKTYRSQA	-1	external validation
C06A3_HUMAN	1518	SPLNTGKALEFVA	-1	external validation
C06A3_HUMAN	1530	ARNLFVKSAGSRI	-1	external validation
C06A3_HUMAN	1551	VLVLGGKSQDDVS	-1	external validation
C06A3_HUMAN	1635	PPSRPEKKKADIV	-1	external validation
C06A3_HUMAN	1636	PSRPEKKKADIVF	-1	external validation
C06A3_HUMAN	1637	SRPEKKKADIVFL	-1	external validation
C06A3_HUMAN	1694	TDEFFLKDFSTKR	-1	external validation
C06A3_HUMAN	1699	LKDFSTKRQIIDA	-1	external validation
C06A3_HUMAN	1708	IIDAINKVYKGG	-1	external validation
C06A3_HUMAN	1712	INKVYKGGRHAN	-1	external validation
C06A3_HUMAN	1720	GRHANTKVGLEHL	-1	external validation
C06A3_HUMAN	1754	FVITGGKSVEDAQ	-1	external validation
C06A3_HUMAN	1772	LTQRGVKVFAVGV	-1	external validation
C06A3_HUMAN	1788	DSEEVGKIASNSA	-1	external validation
C06A3_HUMAN	1833	GVTDAAKACNLDV	-1	external validation
C06A3_HUMAN	1856	NVFVAQKGFESKV	-1	external validation
C06A3_HUMAN	1861	QKGFESKVDAILN	-1	external validation
C06A3_HUMAN	1913	QPEMLEKFRNMRS	-1	external validation
C06A3_HUMAN	1931	LTEDTLKVYLNKF	-1	external validation
C06A3_HUMAN	1936	LKVYLNKFRQSSP	-1	external validation
C06A3_HUMAN	1946	SSPDSVKVVIHFT	-1	external validation
C06A3_HUMAN	2027	LDNIAEKACCGVP	-1	external validation
C06A3_HUMAN	2035	CCGVPCCKCSGQRG	-1	external validation
C06A3_HUMAN	2052	IGSIGPKGIPGED	-1	external validation
C06A3_HUMAN	2094	PGQRGVKGSRGFP	-1	external validation
C06A3_HUMAN	2121	DGEDGDKGLPGSS	-1	external validation
C06A3_HUMAN	2130	PGSSGEKGNPGR	-1	external validation
C06A3_HUMAN	2139	PGRRGDKGPRGEK	-1	external validation
C06A3_HUMAN	2145	KGPRGEKGERGDV	-1	external validation
C06A3_HUMAN	2170	SQERGPKGGETGDL	-1	external validation
C06A3_HUMAN	2196	GPGETGKNGGFR	-1	external validation
C06A3_HUMAN	2272	TGPLGRKGEPGEP	-1	external validation
C06A3_HUMAN	2281	PGEPGPKGGIGNR	-1	external validation
C06A3_HUMAN	2309	SEGRRGKKGERGF	-1	external validation
C06A3_HUMAN	2310	EGRRGKKGERGFP	-1	external validation

C06A3_HUMAN	2355	PGIVGQKGDPGYP	-1	external validation
C06A3_HUMAN	2367	PGPAGPKGNRGDS	-1	external validation
C06A3_HUMAN	2384	ALIQSIKDKCPCC	-1	external validation
C06A3_HUMAN	2386	IQSIKDKCPCCYG	-1	external validation
C06A3_HUMAN	2464	IRFADSKRKSPLL	-1	external validation
C06A3_HUMAN	2466	FADSKRKSPLLDK	-1	external validation
C06A3_HUMAN	2472	KSVLLDKIKNLQV	-1	external validation
C06A3_HUMAN	2474	VLLDKIKNLQVAL	-1	external validation
C06A3_HUMAN	2483	QVALTSKQQSLET	-1	external validation
C06A3_HUMAN	2500	VARNTFKRVRNGF	-1	external validation
C06A3_HUMAN	2510	NGFLMRKVAVFFS	-1	external validation
C06A3_HUMAN	2532	LREAVLKLSDAGI	-1	external validation
C06A3_HUMAN	2639	FQFNEMKKYIAYL	-1	external validation
C06A3_HUMAN	2640	QFNEMKKYIAYLV	-1	external validation
C06A3_HUMAN	2656	DMSPDPKASQHFA	-1	external validation
C06A3_HUMAN	2684	ASMPVPKVEFSLT	-1	external validation
C06A3_HUMAN	2695	LTDYGSKEKLVDF	-1	external validation
C06A3_HUMAN	2697	DYGSKEKLVDFLS	-1	external validation
C06A3_HUMAN	2737	PNPRDLKIVLML	-1	external validation
C06A3_HUMAN	2763	RVILQAKCKGYFF	-1	external validation
C06A3_HUMAN	2765	ILQAKCKGYFFVV	-1	external validation
C06A3_HUMAN	2777	VLGIGRKVNIKEV	-1	external validation
C06A3_HUMAN	2781	GRKVNIEVYTFA	-1	external validation
C06A3_HUMAN	2796	PNDVFFKLVDKST	-1	external validation
C06A3_HUMAN	2800	FFKLVDKSTELNE	-1	external validation
C06A3_HUMAN	2834	LSPDIRKQCDWFQ	-1	external validation
C06A3_HUMAN	2846	QGDQPTKNLVKFG	-1	external validation
C06A3_HUMAN	2850	PTKNLVKFGHKQV	-1	external validation
C06A3_HUMAN	2854	LVKFGHKQVNVNP	-1	external validation
C06A3_HUMAN	2875	NPVTTTKPVTTTK	-1	external validation
C06A3_HUMAN	2881	KPVTTTKPVTTT	-1	external validation
C06A3_HUMAN	2888	PVTTTTPVTTT	-1	external validation
C06A3_HUMAN	2895	PVTTTTPVTTIN	-1	external validation
C06A3_HUMAN	2906	INQPSVKPAAAKP	-1	external validation
C06A3_HUMAN	2911	VKPAAAKPAPAKP	-1	external validation
C06A3_HUMAN	2916	AKPAPAKPVAAPK	-1	external validation
C06A3_HUMAN	2921	AKPVAAKPVATKM	-1	external validation
C06A3_HUMAN	2926	AKPVATKMATVRP	-1	external validation
C06A3_HUMAN	2937	RPPVAVKPATAAK	-1	external validation
C06A3_HUMAN	2943	KPATAAKPVAAPK	-1	external validation
C06A3_HUMAN	2948	AKPVAAKPAVVRP	-1	external validation
C06A3_HUMAN	2961	PAAAAAKPVATKP	-1	external validation
C06A3_HUMAN	2966	AKPVATKPEVPRP	-1	external validation
C06A3_HUMAN	2976	PRPQAAKPAATKP	-1	external validation
C06A3_HUMAN	2981	AKPAATKPATTKP	-1	external validation
C06A3_HUMAN	2986	TKPATTKPMVKMS	-1	external validation
C06A3_HUMAN	2990	TTKPMVKMSREVQ	-1	external validation
C06A3_HUMAN	3006	ITENSAKLHWERA	-1	external validation
C06A3_HUMAN	3035	DQSLVLKQNLTVT	-1	external validation
C06A3_HUMAN	3077	HGSFSTKKSQPPP	-1	external validation
C06A3_HUMAN	3078	GSFSTKKSQPPP	-1	external validation
C06A3_HUMAN	3113	TETDICKLPKDEG	-1	external validation
C06A3_HUMAN	3116	DICKLPKDEGTCR	-1	external validation
C06A3_HUMAN	3127	CRDFILKWYYDPN	-1	external validation

C06A3_HUMAN	3135	YYDPNTKSCARFW	-1	external validation
C06A3_HUMAN	3151	CGGNENKFGSQKE	-1	external validation
C06A3_HUMAN	3156	NKFGSQKECEKVC	-1	external validation
C06A3_HUMAN	3160	SQKECEKVCAPVL	-1	external validation
C06A3_HUMAN	3168	CAPVLAKPGVISV	-1	external validation
SMS2_LOPAM	120	CKNFYWKGFTSCX	1	external validation
SMS2_LOPAM	61	LSQEWSKRAVEEL	-1	external validation
SMS2_LOPAM	111	LPPRERKAGCKNF	-1	external validation
SMS2_LOPAM	115	ERKAGCKNFYWKG	-1	external validation