

Table S1

Sequence	% 1Me	% 2Me	% 3Me	Sequence	% 1Me	% 2Me	% 3Me
AKKVAFAFAK	---	---	---	MKRRAFAFAK	---	---	---
AKRFAFAFAK	---	---	---	MNKRAFAFAK	---	---	•
AKRVAFAFAK	---	---	---	MNRFAFAFAK	---	---	•
ARRFAFAFAK	---	---	---	MPKRAFAFAK	•••	••••	•
APKAFAFAK	•••	••	---	MPRRAFAFAK	••	---	---
APKFFAFAK	•••	••	---	PPKTAFAFAK	---	•••••	NA
APKKAFAFAK	•••	•••	••	PPKRAFAFAK	---	•••••	NA
APKRAFAFAK	•••	•••	•••	SAKRAFAFSK	•	•••	•••
APKRSAILPK	••••	•••	---	SEKRAFAFSK	•	---	••
APKVAFAFAK	••	•	---	SFKRAFAFSK	---	---	---
APKWAFAFAK	•••	•	---	SHKRAFAFSK	---	---	---
APRVAFAFAK	••	•	•	SKKRAFAFSK	---	---	---
GGKKAFAFAK	••	•	•	SKRFAFAFAK	---	---	---
GGKRAFAFAK	•	•	•	SKRRAFAFAK	---	---	---
GKKFAFAFAK	---	---	---	SMKRAFAFSK	•	---	---
GKKRAFAFAK	---	---	---	SNKRAFAFSK	•••	••	•
GKRRAFAFAK	---	---	---	SPKAAFAFAK	••	---	---
GRRRAFAFAK	---	---	---	SPKDAFAFAK	•	---	---
GNKPAFAFAK	••	---	---	SPKKAFAFAK	••••	---	---
GNKVAFAFAK	•••	---	---	SPKLAFAFAK	•••	•	---
GPKKAFAFAK	••	••	•••	SPKNAFAFAK	••	••	---
GPKPAFAFAK	••	••	••	SPKPAFAFAK	••	---	---
GPKRAFAFAK	••	••	•••	SPKQAFAFAK	••	•	---
GPRAAFAFAK	••	---	---	SPKRAFAFAK	•••	••	---
GPRPAFAFAK	••	••	••	SPKTAFAFAK	••	---	---
GSKVAFAFAK	•	•	•	SPKVAFAFAK	•••	••	•
GSKKAFAFAK	•	•	---	SPRRAFAFAK	••	---	---
GSKRAFAFAK	••	•	•	SQKKAFAFAK	---	---	•
MGKKAFAFAK	---	---	•	SQKRAFAFSK	••	---	••
MKKRAFAFAK	---	---	---	SRKRAFAFSK	---	---	---
MKRFAFAFAK	---	---	---	SSKRAFAFAK	•	•••	•••

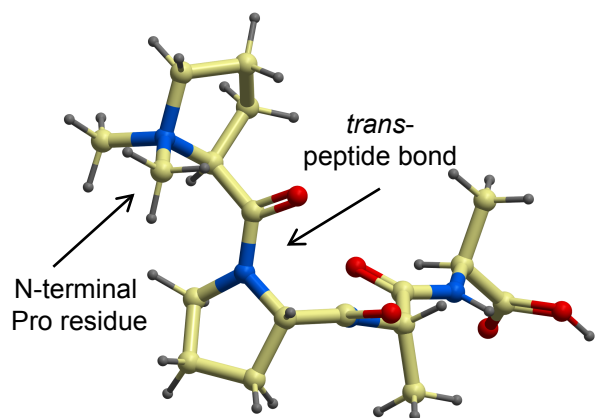
Table S1. NRMT *in vitro* methylation assay results. Sequences and relative abundances of synthetic peptides methylated by NRMT *in vitro*. --- = not detected, • = < 1%, •• = 1-<10%, ••• = 10-<50%, •••• = 50-<90%, ••••• = 90-100%. These peptides were confirmed with MS/MS and accurate mass analysis. To determine the relative abundances of each modified form of the peptide, the areas under the extracted ion chromatogram for each peptide in all of its charge states and modified forms were integrated and summed. The peak area for each modified form was divided by the total area for all unmodified and modified forms present for each peptide to obtain an estimate of the percent of each form of modified peptide.

Table S2

A-P-K-X-	G-G-K-X-	M-G-K-X-	P-P-K-X-	S-A-K-X-
A-P-R-X-	G-N-K-X-	M-N-K-X-		S-E-K-X-
	G-P-K-X-	M-N-R-X-		S-M-K-X-
	G-P-R-X-	M-P-K-X-		S-N-K-X-
	G-S-K-X-	M-P-R-X-		S-P-K-X-
				S-P-R-X-
				S-Q-K-X-
				S-S-K-X-

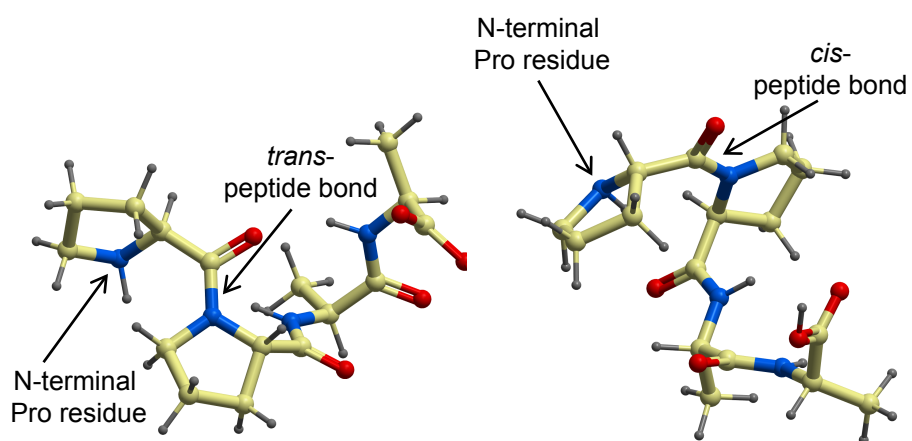
Table S2. Sequence motifs of peptides methylated *in vitro* by NRMT. N-terminal sequences of peptides methylated *in vitro* by NRMT. This table summarizes table S1 where only positions 1-3 are considered.

A



Model of N-terminally di-methylated tetrapeptide me2PPAA in *trans* Pro-Pro peptide bond conformation

B



Model of non-methylated tetrapeptide PPAA in *trans* and *cis* Pro-Pro peptide bond conformation

Supplementary Figure S1. Addition of N-terminal methyl groups to first proline locks the N-terminally methylated Proline dipeptide in *trans* conformation.

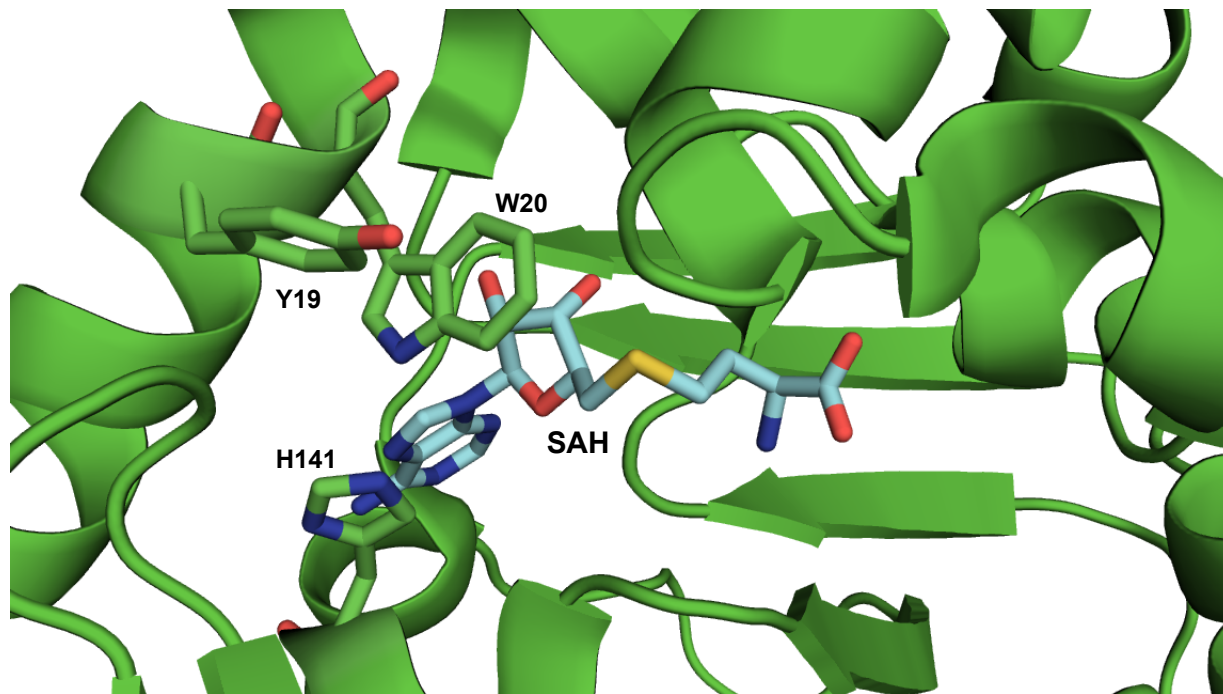
A) A model of di-methylated tetrapeptide PPAA generated by ICM-Pro¹⁹. All 10 lowest energy conformers calculated by Marvin Suite ver. 5.9.2

(<http://www.chemaxon.com/products/marvin/marvinsketch/>) have the *trans* conformation of the Pro-Pro peptide bond. The lowest energy conformer is shown.

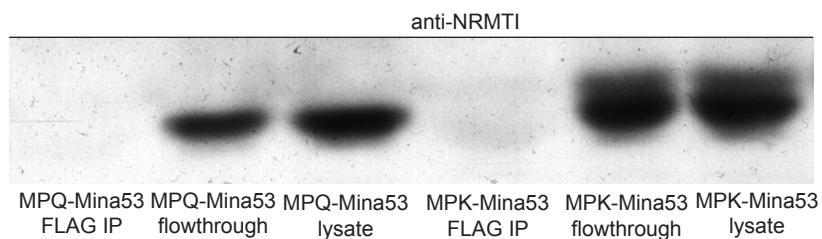
B) A model of non-methylated tetrapeptide PPAA generated by ICM-Pro. Ten lowest energy conformers were calculated by Marvin Suite ver. 5.9.2. Six of the calculated conformers were in *trans* conformation of the Pro-Pro peptide bond and 4 were found to be in *cis*. The lowest energy conformer for *trans* (left) and *cis* (right) are shown.

Fig.S2

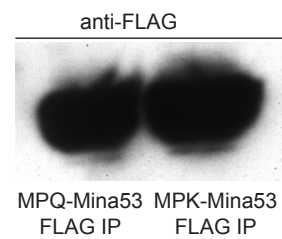
A



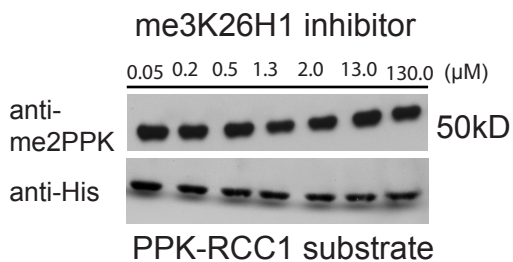
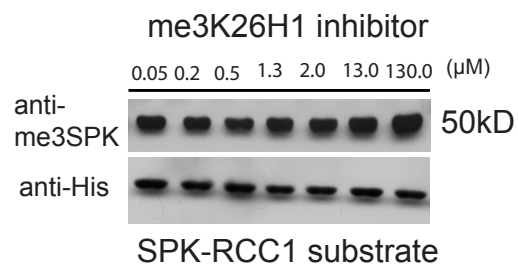
B



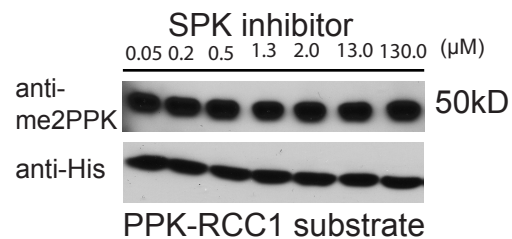
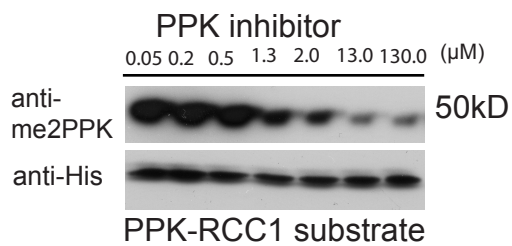
C



D



E



Supplementary Figure S2.

A) Conserved aromatic residues in NRMT might form a chromodomain-like arrangement of aromatic residues and be responsible for binding of methylated peptides.

B) C-terminally FLAG-tagged overexpressed wild type and MPQ mutant of Mina53 does not bind endogenous NRMT. Both versions of C-terminally FLAG-tagged overexpressed Mina53 protein have initial methionine removed as showed by massspectrometry analysis (data not shown).

C) Both MPK- and MPQ-Mina53 FLAG-tagged proteins are efficiently expressed and immunoprecipitated.

D) NRMT catalyzed N-terminal methylation of SPK-RCC1 and PPK-RCC1 is not inhibited *in vitro* by histone H1 peptide containing tri-methylated lysine H1K26me3 (SPAKKKAT(Kme3)KAAGAG).

E) NRMT catalyzed N-terminal methylation of PPK-RCC1 can be inhibited by non-methylated PPKRIAKRRS peptide. SPKRIAKRRS peptide does not inhibit methylation of PPK-RCC1 *in vitro*.

Fig.S3

A

c'-type ions
 me2-P P K K Q A Q A G G S K K A E Q K K K E K I E
 z'-type ions

240 368 185 496 249 624 313 695 348 824 413 895 448 952 476 1009 505 1096 549 366 1224 613 409 1352 677 452 1423 712 475 1552 777 518 1680 841 561 1808 905 604 1936 969 646 2064 1033 689 2193 1098 732 2321 1162 775 2434 1218 813 2548 1275 850 2678 1340 894

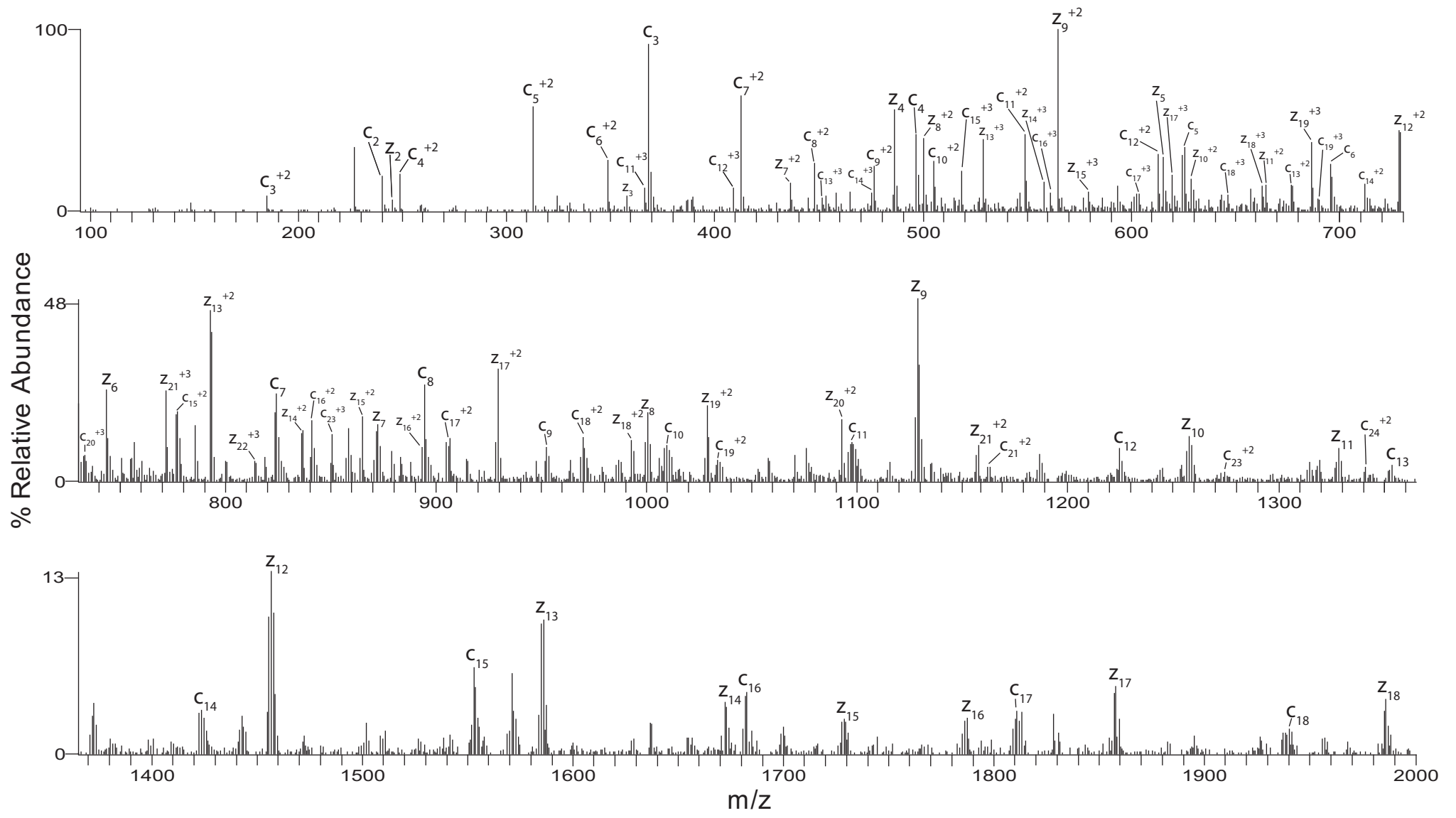


Fig.S3

B

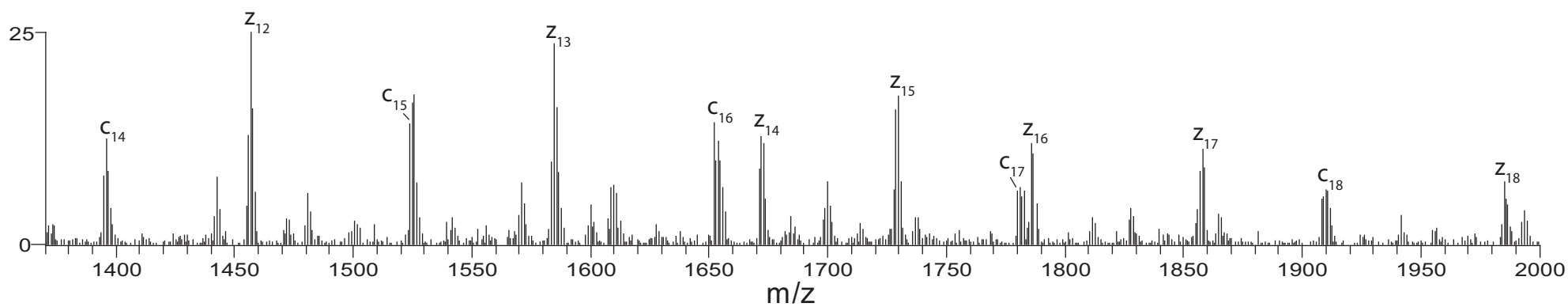
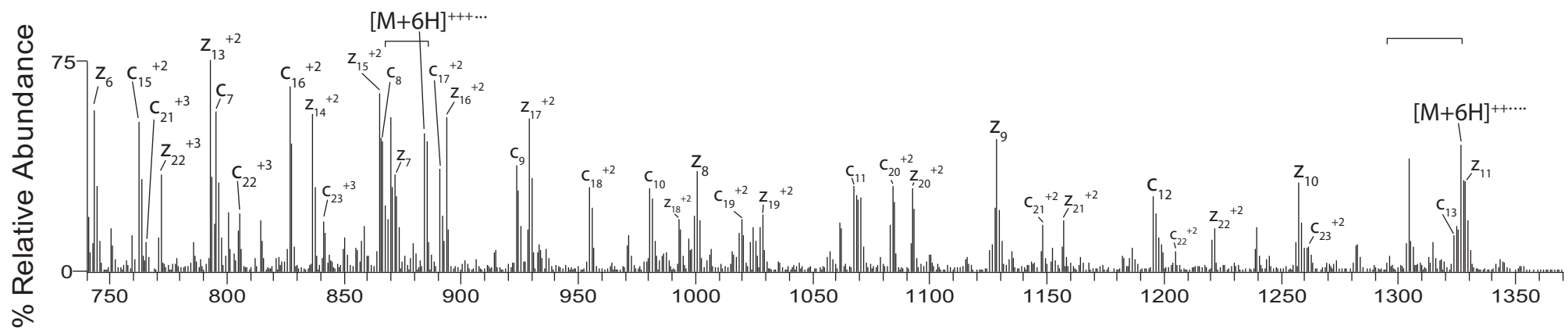
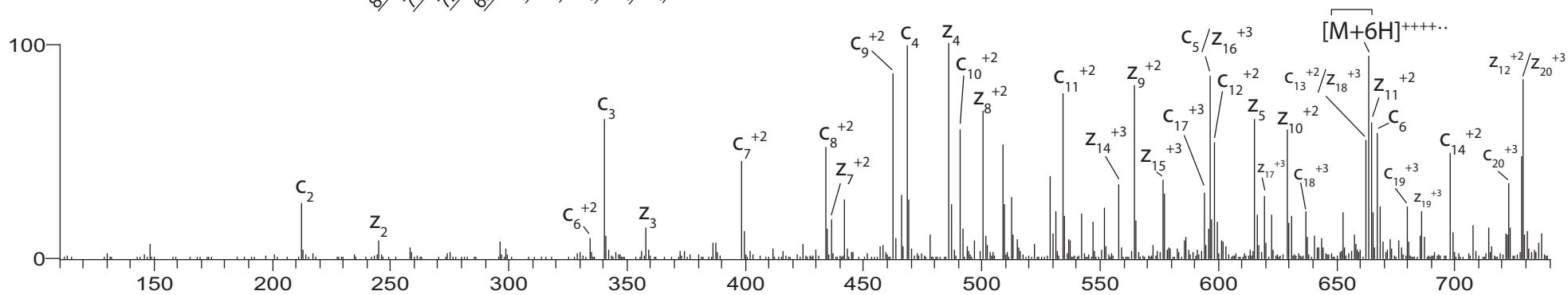


Fig.S3

C

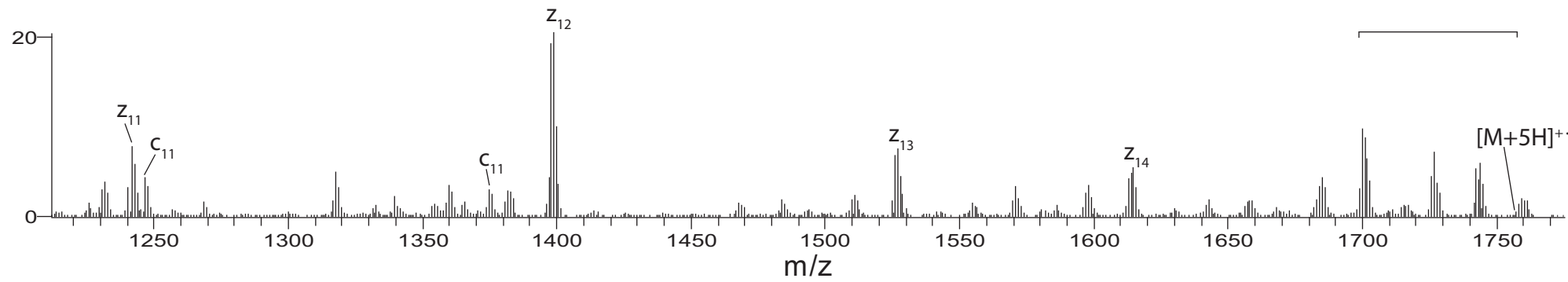
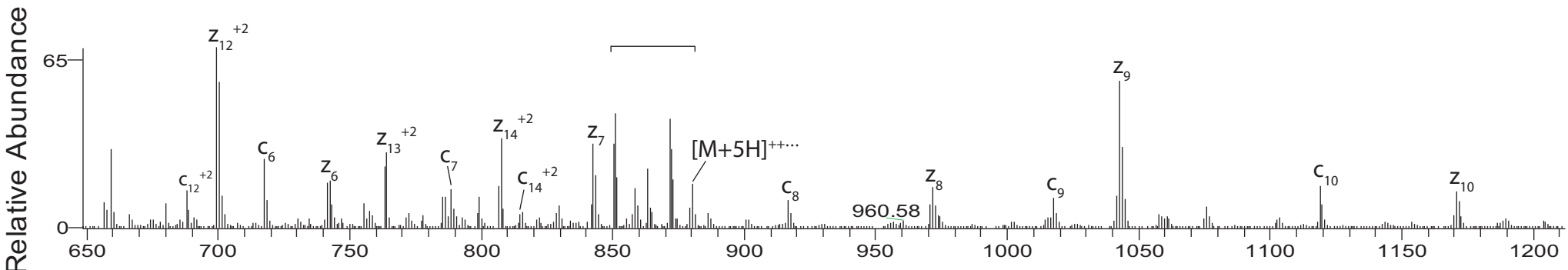
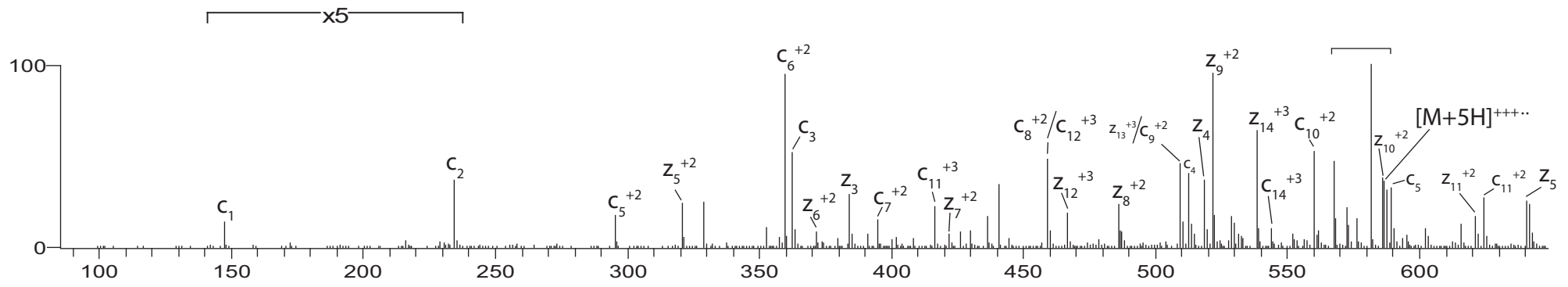
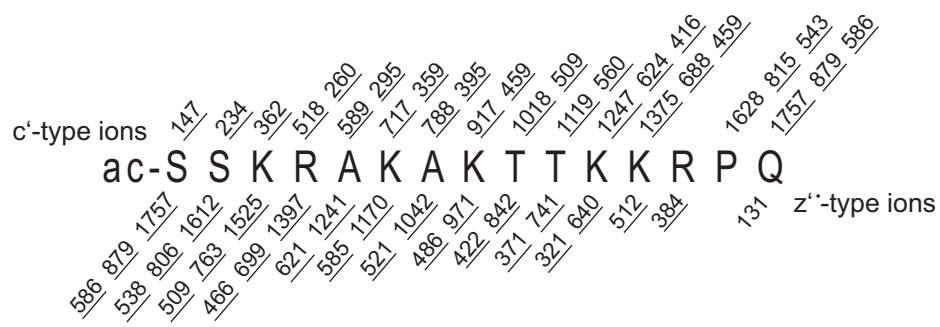


Fig.S3

D

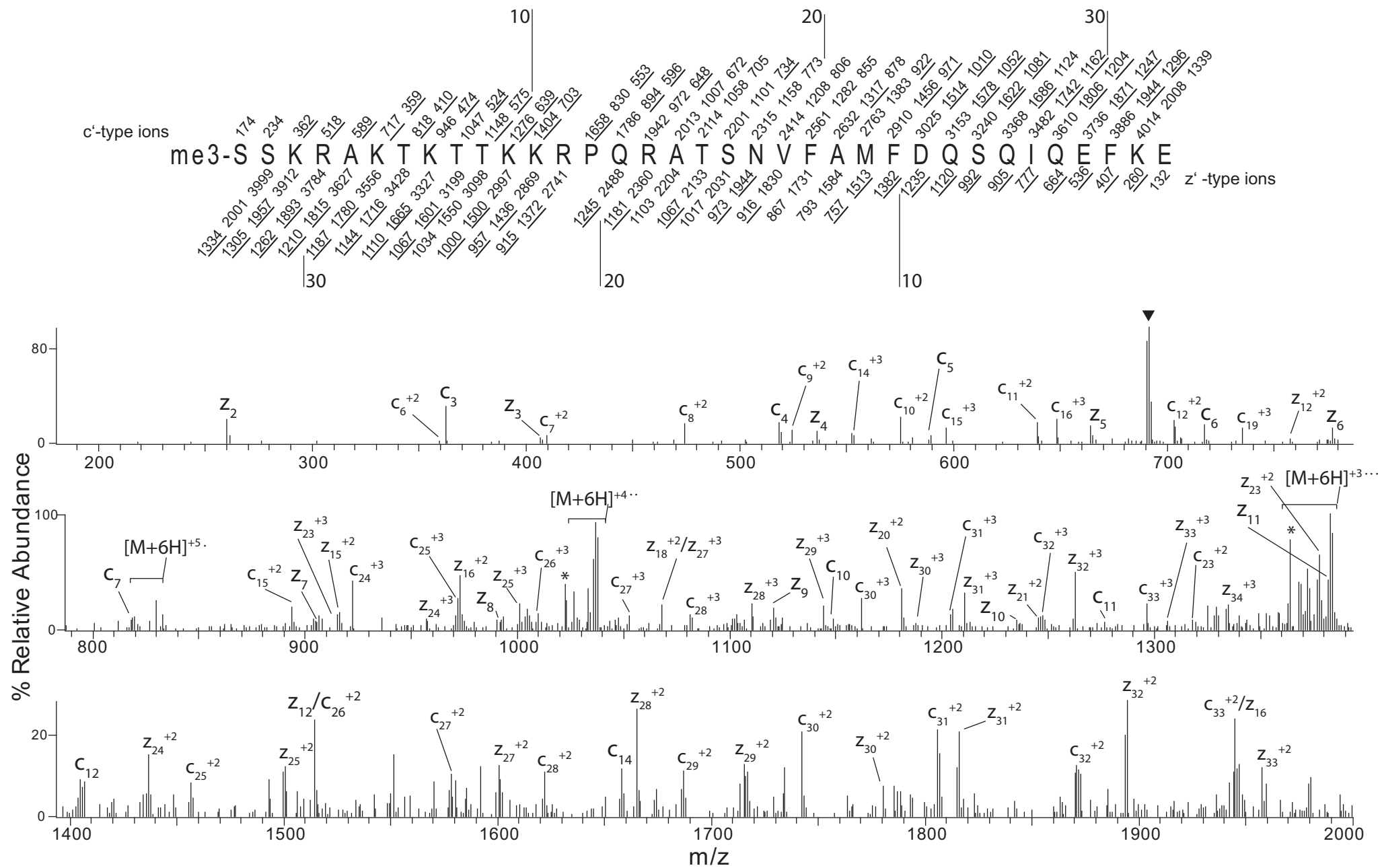


Fig.S3

E

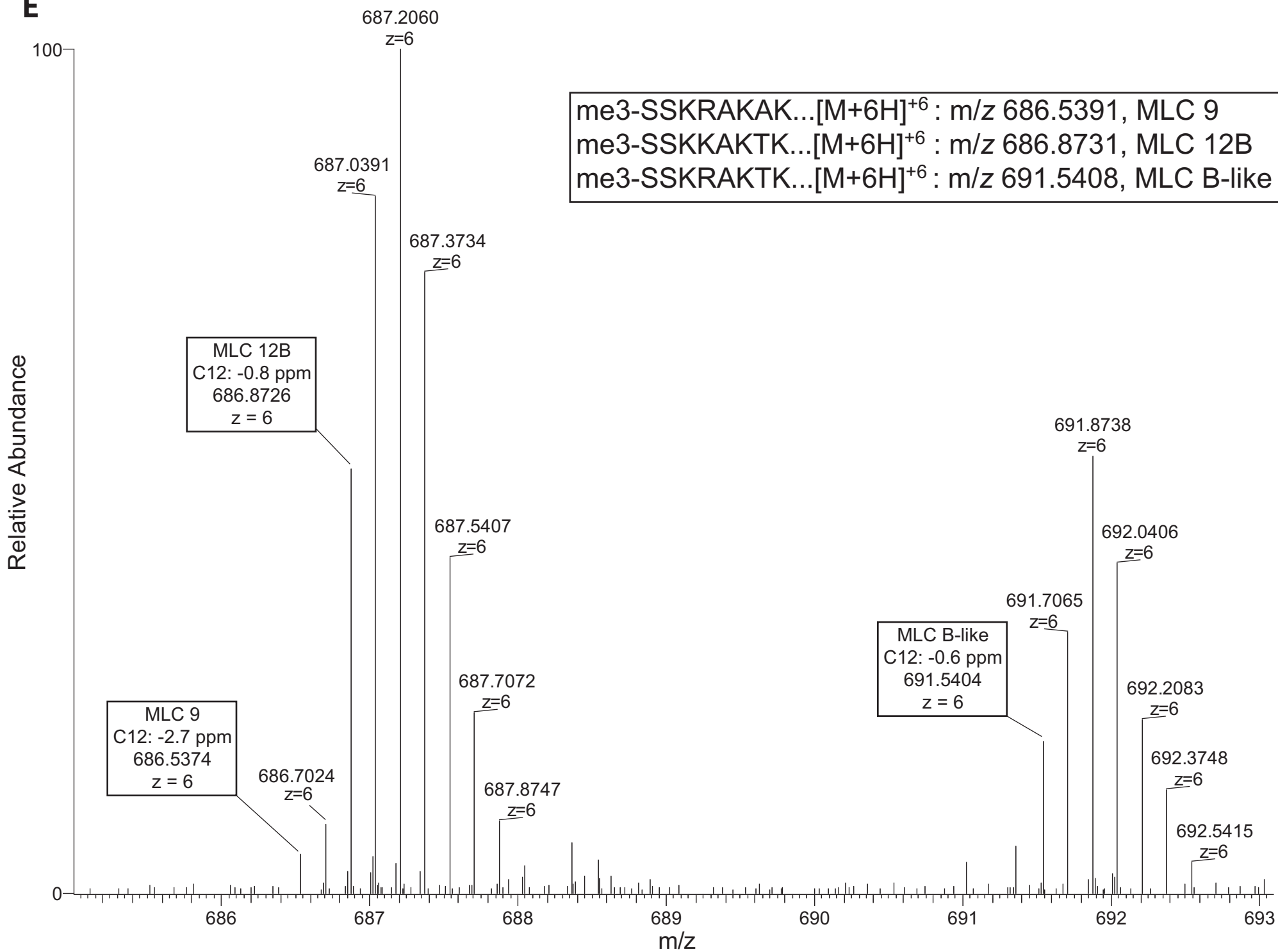
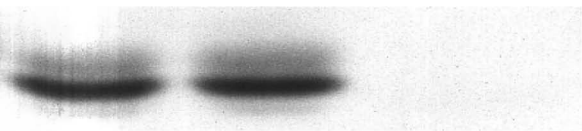


Fig. S3

F

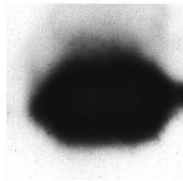


MLC9
lysate

MLC9
flowthrough

MLC9
FLAG IP

NRMTI



MLC9
FLAG IP

FLAG

Supplementary Figure S3. Full MS and ETD MS/MS spectra of α -N-terminal peptides from ZFP15 and MLCs.

A) ETD MS/MS spectrum recorded on the $[M+7H]^{+7}$ ion (m/z 383.5) corresponding to the 24-residue, endoproteinase GluC-generated N-terminally methylated peptide of ZFP15. The accurate mass measurement using an LTQ-FTMS (m/z 383.3740⁺⁷) and calculated mass (m/z 383.3737⁺⁷) are within 0.8 ppm. Monoisotopic masses rounded to the nearest integer for c'- and z'-type ions are shown above and below the peptide sequence and are underlined where identified in the spectrum. Ions in the spectrum are labeled accordingly. Note that in addition to dimethylation of the alpha-N-terminal of ZFP15, unmodified (9%) and monomethylation (15%) were also detected (data not shown).

B) ETD MS/MS spectrum recorded on the $[M+6H]^{+6}$ ion (m/z 442.6) corresponding to the 24-residue, endoproteinase GluC-generated N-terminal peptide of the PPQ-ZFP15. The accurate mass measurement (m/z 442.4239⁺⁶) and calculated mass (m/z 442.4235⁺⁶) are within 1.0 ppm. Reduced charge species are labeled; ions corresponding to neutral losses from these species are represented by brackets. Note that in addition to the unmodified α -N-terminus of ZFP15 PPQ mutant, monomethylation (6%) was also detected (data not shown).

C) ETD MS/MS spectrum recorded on the $[M+5H]^{+5}$ ion (m/z 352.2) corresponding to the 15-residue, GluC-generated N-terminally acetylated peptide of MYL9 (MLC 9) immunoprecipitated from 293LT cells. The accurate mass measurement using an LTQ-FTMS (m/z 352.5960) and calculated mass (m/z 352.2159⁺⁵) are within 0.3 ppm. No other forms of this peptide were detected.

D) ETD MS/MS spectrum recorded on the $[M+6H]^{+6}$ ion (m/z 691.9) corresponding to the 34-residue, GluC-generated N-terminally trimethylated peptide of MLC, regulatory B-like protein

from mouse spleen tissue lysate. The accurate mass measurement using an LTQ-FTMS (m/z 691.5404⁺⁶) and calculated mass (m/z 691.5408) are within 0.6 ppm. The inverted triangle (▼) designates ions that fall within the precursor isolation window; corresponding reduced charge species are labeled with an asterisk (*).

E) Full MS spectrum containing three coeluting GluC-generated peptides from mouse spleen tissue lysate of MLC isoforms that contain N-terminal SSK trimethylation. MS/MS analysis of MLC 12B and MLC B-like confirmed N-terminal methylation while MLC 9 was identified by accurate mass measurements.

F) C-terminally FLAG-tagged MLC9 overexpressed in 293LT cells does not IP endogenous NRMTI.

List of possible NRMTI substrate proteins. Predictions made on the basis of Peptide Library Screen results

MAPR

>gi|319738616|ref|NP_001188356.1| disheveled-associated activator of morphogenesis 2 isoform 1 [Homo sapiens]

MAPRKRSHHGLGFLCCFGGSDIPEINLRDNHPLQFMFESSPIPAEELNIRFAELVDELDTLTKNREAMF
ALPPEKKWQIYCSKKKEQEDPNKLATSWPDYYIDRINSMAAMQSLYAFDEEETEEMRNQVVEDLKTALRTQ
PMRFVTRFIELEGLTCLLNFLRSMDHATCESRIHTSLIGCIKALMNNSQGRAHVLAQPEAISTIAQSLRT

>gi|49456999|emb|CAG46820.1| interleukin-15 receptor subunit alpha isoform 1 precursor [Homo sapiens]

MAPRRARGCRTLGLPALLLLLLRPPATRGITCPPPMSVEHADIIWVKSYSLSRERYICNSGFKRKAGTS
SLTECVLNKATNVAHWTTPSLKCIRDPAVHQRFAPPSTVTTAGVTPQFESLSPSGKEPAASSPSSNNTA
ATTAAIVPGSQLMPSKSPSTGTTEISSHESHGTPSQTTAKNWELTASASHQPPGVYPQGHSDTTVAIST

>gi|29650893|gb|AA086774.1| MHC class Ib antigen [Homo sapiens]

MAPRLLLLLLSGALALTDTWAGSHSLRYFSTAVSRPGRGEPRIYAVEYVDDTQFLRFDSDAAI PRMEPRE
PWVEQEGPQYWEWTTGYAKANAQTDRVALRNLLRRYNQSEAGSHTLQGMNGCDMGPDRLLRGRYHQHAYD
GKDYISLNEDLRSWTAADTVAQITQRFYEAEEYAEFEFTYLEGECLELLRRYLENGKETLQRADPPKAHV

>gi|2769649|emb|CAA04632.1| NIPSNAP1 protein [Homo sapiens]

MAPRLCSISVTARRLLGGPGPRAGDVASAAAARFYKDNESWFRSLFVHKVDPKDAHSTLLSKKETS
NLYKIQFHNVKPEYLDAYNSLTEAVLPKLHLDELDYPCSLVGNWNTWYGEQDQAVHLWRFSGGYPALMDCMN
KLKNNKYLEFRFRERTQMLLSRRNQLLELFSFWNEPQPRMGPNIEYELRKYKLPKPGTMIEWGNWARAIKY

>gi|28193156|emb|CAD62320.1| dishevelled associated activator of morphogenesis 1 [Homo sapiens]

MAPRKRGRGISIFCCFRNNDHPEITYRLRNDNSNFALQTMEPALPMPVVEELDMVFSELVDELDTDKH
REAMFALPAEKKWQIYCSKKKQENKATSWPEFYIDQLNSMAARKSLLALEKEEEEEERSKTIESLKT
LRTKPMRFVTRFDLIDLGLSCILNFKLMDYETSESRIHTSLIGCIKALMNNSQGRAHVLAHSESINVIAQ

>gi|123239958|emb|CAI17044.2| collagen type XV alpha 1 [Homo sapiens]

MAPRRNNGQCWCLMLLVSSTPLPAVTQTRGATETASQGHLDLTLQIGVPLPSSVSFVTGYGGFPAYSFG
PGANVGRPARTLIPSTFFRDFAISSVVVKPSSTRGGVLAITDAFQKVIYLGRLSGVEDGHQRILLYTE
PGSHVSQLAAAFVPMVTHRWNRFAMIVQGEVTLVNCEEHSRIPFQRSSQALAFESSAGIFMGNAGAT

>gi|38016935|ref|NP_078905.2| centromere protein U [Homo sapiens]

MAPRGRRRPRPHRSEGARRSKNTLERTHSMKDKAGQCKPIDVDFDPDNDVSSIGRLGENEKDEETYET
FDPPLHSTAIYADEEEFSKHCGLSLSSSTPPGKEAKRSSDTSNGEASEIESVKISAKKPKRKLRFISDDSE
SIEESDTRRKVKSAEKISTQRHEVIRTASSELSKPAESVTSKKTGPLSAQPSVEKENLAIESQSKTQK

>gi|62896657|dbj|BAD96269.1| cell division cycle associated 8 variant [Homo sapiens]

MAPRKGSSRVAKTNSLRRLKLAFLKDFDREVEIRIKQIESDRQNLLKEVDNLYNIEILRLPKALREMNV
LDYFALGGNKQALEEAATADLDITEINKLTAEAIQTPLKSAKTRKVIQVDEMIVEEEEEENERKNLQTA
RVKRCPPSKKRTQSIQKGGKGRSSRANTVTPAVGRLEVSMVKPTPGLTPRFDSRVFKTPGLRTPAAGER

>gi|50513185|gb|AAT77785.1| insulin growth factor-like family member 1 [Homo sapiens]

MAPRGCIVAVFAIFCISRLLCSHGAPVAPMTPYLMLCQPHKRCGDKFYDPLQHCYDDAVVPLARTQTCG
NCTFRVCFEQCCPWTFMVKLINQNCDSARTSDDRLCRSVS

>gi|119621049|gb|EAX00644.1| elastin microfibril interfacier 1, isoform CRA_a [Homo sapiens]

MAPRTLWSCYLCCLLTAAGAASYPFRGFSLYTGSSGALSPPGGPQAQIAPRPASRHRNWCAAYVVTRTVSC
VLEDGVETVYKYQPCAWGQPQCPQSIMYRRFLRPRYRVAYKTVTDMEWRCQQYGGDDCAESPAPALGPA
SSTPRPLARPARPNLSGSSAGSPLSGLGEGEPGESEKVVQLEEQVQSLTKELQGLRGLVQLQGLSGLRAEDV

>gi|13905004|gb|AAH06784.1| Ribosomal protein S14 [Homo sapiens]

MAPRKGKKEKKEEQVISLGFQVAEGENVFGVCHIFASFNDTFVHVTDLSGKETICRVVTGGMKVKADRDESS
PYAAMLAQDVQRCKELGITALHIKLRATGGNRTKTPGPGAQALRALARSGMKIGRIEDVTPIPSDST
RRKGRRGRRL

>gi|66267178|gb|AAH94693.1| Zinc finger, MYND-type containing 17 [Homo sapiens]

MAPRRRRRHHKPPSSVAPIIMAPTITVTPVPLTPSKPGPSIDTLGFFSLDDNVPGLSQLILQKLNMKSY
EYKLVVDGGTPVSGFGRCPQEMFQRMEDTFRFCAHCRALPSGLSDSKVLRHCKRCRNVYCGPECQKS
DWAHRRVCQELRLVAVDRLMEWLLVTGDFVLPSPGPWPPEAVQDWDWSWFSMKGLHLDATLDAVLVSHA

>gi|11138667|gb|AAG31443.1|AF244355_1 secretin [Homo sapiens]

MAPRLLLLLLLLLGGSAARPAPRRARRSDGTFTSELSRLREGARLQRLQLQGLVGRSEQDAENSMWTR
LSAGLLCPSGSNMILQAWMPLDGTWSPWLPVPPGPMVSEPAAGAAEGTLRPR

>gi|460703|dbj|BAA04762.1| alpha 1(XV) collagen chain [Homo sapiens]
MAPRRNNGQSWCLMLLSVSTPLPAVTQTRGATETASQGHLDLTQLIGVPLPSSVSFVTGYGGFPAYSFG
PGANVGRPARTLIPSTFFRDFAIRAVVKPSSSTRGGVLAITDAFQKVIYLGRLSGVEDGHQRIILYYTE
PGSHVSQEAFAAFVPMTHRWRFAMIVQGEVTLVNCHEHSRIPFQRSSQALAFESSAGIFVGNAGAT

>gi|62896567|dbj|BAD96224.1| low density lipoprotein receptor-related protein associated protein
1 variant [Homo sapiens]
MAPRRVRSFLRGLPALLLLLLLFLGPWPAASHGGKYSREKNQPKPSPKRESGEEFRMEKLNQLWEKAQRLH
LPPVRLAELHADLKIQRDELAWKKLKDGLDEDEGEKEARLIRNLNVLAKYGLDGKDKARQVTSNLSG
TQEDGLDDPRLEKLWHKAKTSGKFSGEELDKLWREFLHHKEKAHEYVLETLRSRTEEIHENVISPSDLS

gi|146094506|ref|NP_001078868.1| RELT-like protein 1 precursor [Homo sapiens]
MAPRALPGSAVLAFAAVFVGGAVSSPLVAPDNGSSRRTLHSRTEPTPSPNDTGNHPEYIAYALVPVFFIM
GLFGVLICHLKKKGYRCTTEAQDIEEEKVEKIELNDSVNENS DTVGQIVHYIMKNEANADVLMKAMVAD
NSLYDPESFVTPSTPGSPVSPGLSPGGTGGKHCVCGHLLHTVGGVVERDVCRCRHRKRWFIKPTNKS

>gi|58477551|gb|AAH89445.1| arylsulfatase J protein [Homo sapiens]
MAPRGCAGHPPPPSPQACVCPGKMLAMGALAGFWILCLLTYGYSWQALEEEEEGALLAQAGEKLEPST
TSTSQPHLIFILADDQGFDRDVGYHGSEIKPTLTKLAAEGVKLENYVQPICTPSRSQFITGKYQIHTGL
QHSIIRPTQPNCLPLDNATLPQKLKEVGYSTHMVGKWLHGFYRKECMPTRRGFDTFGSLGSGDYTHY

>gi|152013060|gb|AAI50281.1| Plexin D1 [Homo sapiens]
MAPRAAGAPLSARAAAASPPFPQTTPRCVPVLLLLLLGAARAGALEIQRRFPSPTNNFALDGAAGT
VYLAAVNRLYQLSGANLSLEAEAAVGPVPSPLCHAPQLPQASCEHPRRLTDNKNKILQLDPGQGLVVVC
GSIYQGFQQLRRRGNISAVAVRFPAPPAEPVTVFVPSMLNVAANHPNASTVGLVLPAAAGAGSRLLVG

>gi|2039362|gb|AAB81537.1| UDP-glucuronosyltransferase 1A10 [Homo sapiens]
MAPRRVDQPRSFMCVSTADLWLCEAGLLVVPMDGSHWFAMQSVVEKLIILRGHEVVVVMEVSWQLERSL
NCTVVKTYSTSYTLEDQNRFMVFAHAQWKAQAQSI FSLMSSSSGFLDLFFSHCRSLFNDRKLV EYLKES
SFDVAVFLDPFDTCGLIVAKYFSLPSVVFTRGIFCRHLEEGAQCFAPLSYVPNDLLGFSDAMTFKERVVNH

>gi|2612918|gb|AAB86809.1| receptor activator of nuclear factor-kappa B [Homo sapiens]
MAPRRRRRPLFALLLLCALLARLQVALQIAPPCTSEKHYEHLGRCCNKCEPGKYMSSKCTTSDSVCLP
CGPDEYLDWNEEDKCLLHKVCDTGKALVAVVAGNSTTPRRCCTAGYHWSQDCECCRRNTECAPGLGAQ
HPLQLNKDITVCKPCLAGYFSDAFSSDCKRCPWTNCTFLGKRVEHHGTEKSDAVCSSSLPARKPPNEPHVY

>gi|2920537|gb|AAC39659.1| type XVIII collagen [Homo sapiens]
MAPRCPWPWPRRRRLDVLAPLVLLGVRAASAEPERISEEVGLLQLLGDPPPQVVTQDDPDVGLAYVF
GPDANSQVARYHFPSLFRDFSLFHIRPATEGPGVLFADTSAQAMVLLGVKLSGVQDGHQDISLTYT
EPGAGQHTAASFRLPAFVQWTHLALS VAGGFVALYVDCEEQRMPLARSSRGLLELEPGAGLFVAQAGG

>gi|34783244|gb|AAH21122.2| selenoprotein H [Homo sapiens]
MAPRGRKRKAEAAVVAVAEKREKLANGGEGMEATVVEHCTSURVYGRNAAALSQALRLEAPELPVKVN
PTKPRRGSFEVTLRPDGSSELWTGIKKGPPRKLKFPPEPQEVVEELKYL

>gi|149274610|ref|NP_612387.1| ferredoxin-fold anticodon-binding domain-containing protein 1
[Homo sapiens]
MAPRRLLLVGEGNFSFAALSETLDQSTQLTATCLQRPAELARDPLAWENLQCLRREGIDVRFVGDCTQL
ADVFEHLHEREFDQIYFIFPHCGRKAGVAKNRELLAKFFQSCADVLAEEGEVHVALCRGQGGTADKPKQRE
WHNSWQVVAMAALGGLILSDVYFSCKAVAGYKCTGYRSQDKSFHVEGALNHIFTRSLPFEGSQPRIFRI

>gi|31657142|ref|NP_852478.1| integrin alpha-1 precursor [Homo sapiens]
MAPRPRARPGVAVACCWLLTVLVRCCVSNVDVKNSMTFSGPVEDMFGYTVQQYENEEGKWWLIGSPLVG
QPKNRTGVDVYKCPVGRGESLPCVKLDLPVNTSIPNVTEVKENMTFGSTLVNTNPGGFLACGPLYAYRCGH
LHYTTGICSDVSPTFQVNSIAPVQECSTQLDIVIVLDGSNSIYPWDSVTAFLNDLLERMDIGPKQTQVG

>gi|51491223|emb|CAH18677.1| Sel-1-like repeats containing protein [Homo sapiens]
MAPRPPKQPDKNPLHGRELNVVPSLGRQTSLTTSVIPKAEQSVAYKDFIYFTVFEENVRNVSEVSEYLC
SQPCVVNLEAVSSEFRSSIPVYKRWKNEKHLHTRTQIVHVKFPSIMVYRDDYFIRHSISVSAVIVRA
WITHKYSGRDWNVWKEENLLHAVAKNYTLLQTIPPFERPFKDHQVCLEWNMGYIWNLRANRIPQCPLND

>gi|30315217|gb|AAP30832.1|AF502942_1 ubiquitin-specific protease 31 [Homo sapiens]
MAPRLQLEKAAWRWAETVRPEEVSQEHIEYAIWLEPCIRGVCRRNCKGNPNCLVIGEGHIWLG EIDEN
SFHNIDDPNCERRKNSVFNLGNLGCATCYVNTFLQVWFLNLELRQALYLCPTCSDYMLGDDGIEQEEKDYE
PQTICEHLQYLFALLQNSNRRYIDPSGFVKALGLDTGQQQDAQEFKSKLFMSLLEDTLKQKNPDVRNIVQ

>gi|37589537|gb|AAH59361.1| ADP-ribosylation factor-like 10 [Homo sapiens]
MAPRPLGLVLVALGGAAVLGSVLFILWKTYFGRGRERRWDRGEAWWGAEAAARLPEWDEWDEDEDEE
ALEELEQREVLVGLDAGKSTFLRVLSGKPPLEGHIPWGFNSVRLPTKDFEVDLLEIGGSQNLRFYWK
EFVSEVDVLFVVDADRLRLPWARQELHKLKLDKDPDLPVVVVANKQVRAVRGQLGPGDIHSEMLEQQG

>gi|5420181|emb|CAB46612.1| HLA-G histocompatibility antigen, class I, G [Homo sapiens]
MAPRTLFLLLSGALTLTETWAGSHSMRYFSAAVSRPGRGEPFIAMGYVDDTQFVRFDSDSACPRMEPRA
PWVQEYQEGPEYWEETRNTKAHAQTDRMNLQTLRGYYNQSEASSHTLQWIMIGCDLGSGRLLRGYEQYAYD
GKDYLALEDLRSWTAADTAAQISKRKCEANVAEQRRAYLEGTCVEWLHRYLENGKEMLRADPPKTHV

>gi|37782462|gb|AAP34477.1| RNA binding motif (RNP1, RRM) protein 3 [Homo sapiens]
MAPRTWCAGIFGLFCPLTLACSSLTIALTDCQPIILVSPTLSLWMVVRVWIMQASLLGEPPEVALGPM
GVVAATLEVVGTRAMGVAGIMTVLEGMMDMDVPETIMAETRVVMTATQEEITETIMTEMRHAHNIDT
QGIISDPGSSFMVAFKVFGAALKHLIL

>gi|197382841|ref|NP_660355.2| zinc finger protein 485 [Homo sapiens]
MAPRAQIQGLPTFGDVAVAFTRIEWRHLDAARALYRDVMLENYGNLVSVGLLSSKPKLITQLEQGAEPW
TEVREAPSGTHAVEDYWFETKMSALKQSTSEASVLGERTKSMMEKGLDWEGRSSTTEKNYKCEKCGVFK
YNSSFISHQRNHTSEKPHKCEKCGIAFMNSSSLNHHKVVHAGKQPYRCIECGFLKKHSTFINHQRIHSR

MGPR

>gi|20142333|gb|AAM12239.1| taste-specific G-protein coupled receptor T1R2 [Homo sapiens]
MGPRAKTICSLFLLWVLAEPANSDFYLPDGLLGGFLSLHANMKGIVHNLFLQVPMCKEYEVKVGIGYN
LMQAMRFAVEEINNDSSLLPGVLLGYEIVDVCYISNNVQPVLVFLAHEDNLLPIQEDYSNYISRVVAVIG
PDNSESVMTVANFLSLFLLPQITYSAISDELDRDKVRFALLRTPSADHHVEAMVQLMLHFRWNWIIIVLV

>gi|2370111|emb|CAA70934.1| hereditary hemochromatosis protein isoform 1 precursor [Homo sapiens]
MGPRARPALLMLLQTAVALQGRLLRSHSLHYLFMGASEQDLGLSLFEALGYVDDQLFVFDHESRRVPEP
RTPWVSSRISSQMWLQLSOSLKGWDHMFVDFWTIMENHNHSHKESHTLQVILGCEMQEDNSTEGYWKYGY
DGDQHLEFCPDTLDWRAAEPRAWPTKLEWERHKIRARQNRAYLERDCAQQLQLELGRGVLDQQVPLV

>gi|825628|emb|CAA51272.1| arylsulfatase [Homo sapiens]
MGPRGAASLPRGPGPRRLLPVVPLPLLLLLLAPPGSAGASRPHLVFLADDLWNVDFHGSRI RTP
HLDALAAGGVLLDNYTQPLCTPSRSQLLTGRYQIRTGLQHQI IWPCQPSCVPLDEKLLPQLLKEAGYTT
HMVGKWHLGMRYRCELPFRRGFDYFYGLLGSSEYYSHERCTLIDALNVTRCALDFRDGEEVATGYKNMY

>gi|30583331|gb|AAP35910.1| centromere protein A, 17kDa [Homo sapiens]
MGPRRRSRKPEAPRRRSPTPTPGPSRRGPSLGASSHQHSRRRQGWLKEIRKLQKSTHLLIRKLPFSRL
AREICVKFTRGVDFNWQAQALLALQEAABAFVHLFEDAYLLTLHAGRVTLFPKDVQLARRIRGLEEGLG

>gi|30583397|gb|AAP35943.1| coagulation factor II (thrombin) receptor [Homo sapiens]
MGPRRLLLVAAACFSLCGPLLSARTRARPESKATNATLDPRSFLLRNPNKYEPPWEDEEKNESGLTEYR
LVSINKSSPLQKQLPAFISDASGYLTSSWLTFLVPSVYTGVEVVSPLNIMAI VVFI LKMKVKKPAVVY
MLHLATADVLFVSVLPFKISYFSGSDWQFGSELFRVTAAFYCNMYASILLMTVISIDRFLAVVYPMQS

>gi|57208639|emb|CAI41263.1| chromosome 9 open reading frame 68 [Homo sapiens]
MGPRPLEKGCFFGCFRNSKEERHESRRPLSTSHEPIFFLNTIKMKLKENNLNRLPKGMQARAPSQYSTR
HFFQDQPAQLNGLNFKISGGSKPP

>gi|29792184|gb|AAH50424.1| FBXO38 protein [Homo sapiens]
MGPRKKSVKTCIMNNEIPEEMTADETKDYMNQLSHEVLCHI FRYLPLQDIMCECLSRKLKEAVTLYLRV
VRVVDLCAGRWWEYMPSGFTDASFLTLKMKMPDVEQLYGLHPRYLERRRVRGHEAFSIPGVLEALQACPN
LVGVETSHLELVESIWTYMPHVHILGKFRNRNGAFPPIPPENKIKIPIGAKIQTLHLVGVNVPEIPICPML

>gi|119625446|gb|EAX05041.1| hCG1778643 [Homo sapiens]
MGPRATRTGLGPAARERCEERAEGERGDPASAVRPGSRGSGARELGFPPQQTQQRHQGSPAGWAREDV
VAGSLLRADGRRHGGGSRPAPRRKSPLPAAARAPSPARPRRPHACRDGGGGAGKPGAPRGLGRGMKG
KFGSGLFRFTGLAARPSVWEHEWPGERGLAARVRTAGRCATLRSPLSLPG

>gi|18490150|gb|AAH22289.1| Calsequestrin 1 (fast-twitch, skeletal muscle) [Homo sapiens]
MGPRAVPGLRLALLLLVLGTPKSGVQGEGLDFPEYDGVDRVINVNAKNYKRVFKYEVLLALYHEPPE
DDKASQRQFEMEELILELAAQVLEDKGVGFLVDSEKDAAVAKKLGLETVDSMYVFKGDEVI EYDGEFSA
DTIVEFLLDVLEDPVELIEGERELQAFENIEDEIKLIGYFKSKDSEHYKAFEDAAEEFHPYIPFFATFDS

>gi|26996524|gb|AAH41095.1| Solute carrier organic anion transporter family, member 2B1 [Homo sapiens]
MGPRIGPAGEVQPVDKETKATMGENTPFGKASDPDQDVRPSVFNHNIKFLVLCSSLLQLAQIMISGYLK
SSISTVEKRFGLSSQTSGLLASFNEVGN TALIVFVSYFGSRVHRPRMIGYAILVALAGLLMTLPHFISE
PYRYDNTSPEDMPQDFKASLCLPTTSAPASAPNSNGNCSSYTETQHLSVVGIMFVAQTLGLVGGVPIQFPF

>gi|16198535|gb|AAH15949.1| Leucine carboxyl methyltransferase 2 [Homo sapiens]
MGPRSRERRAGAVQNTNDSSALSKRSLAARGYVQDPFAALLVPGAARRAPLIHRGYVVRARAVRHCVRAF
LEQIGAPQAALRAQILSLGAGFDSL YFRLKTAGRLARAAVVEVDFPDVARRKAE RIGETPELCAITGPF E
RGEFASALCFESADYCI LGLDLRQLQRVVEALGAAGLDAASPTLLLA EAVLTYLEPE SAAALIAWAAQRF

>gi|21929113|dbj|BAC06141.1| seven transmembrane helix receptor [Homo sapiens]
MGPRNQTA VSEFLLMKVTE DPELKLIPFSLF LSMYLV TILGNL LILLAVI SDSHLHT PMYFLLFNLSFTD
ICLTTTTVPKILVNIQAQNSIT YTGCLTQICLV L VFAGLESC FLAVMAYDRYVAICHPLRYTVLMNVHF
WGLLILLSMFMSTMDALVQSLMVLQLSFCKNVEIPLFFCEVVQVIKLACSDTLINNLIYFASSVFGAIP

>gi|153217501|gb|AAI51221.1| COL4A1 protein [Homo sapiens]
MGPRLSVWLLLLPAALLLHEEHSRAAAKGGCAGSGCGKCDCHGVKQKGERGLPGLQGVIGFPGMQGPEG
PQQPPGQK GDTGEPGLPGTKGRPPGASGYPGNPGLPGIPGQDGGPPGPGIPGCNGTKGERGFLGPPGL
PGFAGNPGPPGLPGMKGDFGEILGHVPGMLLKGGERGFPGIPGTPGPPGLPGLQGPVGGPPGFTGPPGPPG

>gi|75516737|gb|AAI01717.1| DDB1 and CUL4 associated factor 16 [Homo sapiens]
MGPRNPSPDHLESESEEEEEENISYLNESGGEWDSSEEEEDSMVFNLSPLESLAWQVKLLKYSTTWKPLN
PNSWLYHAKLLDPSTPVHILREIGLRSLSHCSHCVPKLEPIPEWPPPLASCGVPPFQKPLTSPSRLSRDHAT
LNGALQFATKQLSRTLRSRATPIPEYLKQIPNSCVSGCCGWLTKTVKETTTRTEPINTTYSYTDQKAVNK

>gi|14249488|ref|NP_116194.1| zinc finger and SCAN domain-containing protein 10 [Homo sapiens]
MGPRASLSRLRELCGHWRPALHTKKQILELLVLEQF LSVLP PHLGLR LQGGPLRDGEEVVLLEGIHRE
PSHAGPLDFSCNAGKSCPRADVTLEEKGCASQVPSHSPKKELPAE EPSVLG PSEPPRPQ PRAAQPAEFG
QWRLPSSSKQPLSPGPQKTFQALQE SPPQGPSWPEESSRDQELAAVLECLTFEDV PENKAWPAHPLGFG

>gi|51476980|emb|CAH18436.1| piwi-like 4 protein [Homo sapiens]
MGPRSVDSL NNEASSNGFLGTSRISTNDKYGISSGDAGSTFMERGVKNKQDFMDLSICTREKLAHVRNC
KMGSSGIFVKLVNNDLDFPQDLGQYQYHVYIPDLASRRRLRIALLYSHSEL SNKAKAFDGA IILFSLQK
LEEKVTELSSETQRGETIKMTITL KREL PSSSPVCIQVFNIIFRKILKLSMYQIGRNFYNPSEPMEIPQ

>gi|20380192|gb|AAH27978.1| LOC541472 protein [Homo sapiens]
MGPRSPGALKLLKPTWFRAGRILLTSL LGM SKEDLVASCRVCVYRSLSL

>gi|55962603|emb|CAI17299.1| taste receptor, type 1, member 2 [Homo sapiens]
MGPRAKTISLFFLLWLVAEPAENSDFYLP GDYLLGGLFSLHANMKGIVHLNLFQVPMCKEYEVK VIGYN
LMQAMRFAVEEINNDLDFPQDLGQYQYHVYIPDLASRRRLRIALLYSHSEL SNKAKAFDGA IILFSLQK
PDNSESVMTVANFLSFLFPQITYS AISDELDRDKVRFALLRTPSADHHIEAMVQLMLHFRWNWIIIVLV

MNKR

>gi|13625162|gb|AAK34940.1|AF251050_1 jerky [Homo sapiens]
MNKRKGYTTLNLEEKMKVLSRIEAGRSLKSVMD EFGISKSTFYDIKKNKKLILDFVLKQDMPLVGA EKRK
RTTGAKYGDVDDAVYMWYQKRSAGVVPV RGVELQAAAERFARCFGR TDFKASTGWLFRFRNRHAI GNRKG
CGEQVLSVSENV EPPFRQKLSMI IKEEKLC LAQLYSGDETDLFWKSM PENSQASRKD IC L PGKKINTERL

>gi|15277505|gb|AAH12855.1| Leucine rich repeat containing 51 [Homo sapiens]
MNKRDMYMTSVQEPFLDYSFRS IHVIQDLVNEE PRTGLRPLKRSKSGKSLTQSLWLNNVNLNDRDFNQV
ASQLEHPENLAWIDLSFNLDLTSIDPVLT TFFNL SVLYLHGNSIQRLGEV NKLA VLPRLRSLTLHG NPM E
EEKGYRQYVLC LSRITTFDFSGVT KADR TTA EVWKRMNIKPKKAWTKQNTL

>gi|76779379|gb|AAI05942.1| WNT1 inducible signaling pathway protein 3 [Homo sapiens]
MNKRRLLYPSGWLHGPSDMQGLL FSTLLLAGLAQFC CRVQGTG PLDTTPEG RPGEVSDAPQRKQFCHWPC
KCPQQKPRCPGVS LVRDGCCKICAKQPGE ICNEADL CDPHKGLYCDYSVDRPRYETGVCA YLVAVGC
EFNQVHYHNGQVFPNPLF SCLCVS GAIGCTPLFIPKLAGSHCSGAKGGKSDQSNCSLEPLLQQLSTSY

>gi|3641344|gb|AAC36354.1| signal peptidase complex 18 kDa subunit [Homo sapiens]
MNKRQLCYQVLNFGMIVSSALMIWKGLM VITGSESP I VVVLSGSM EPAFH RGDLLFL TNRVEDPIRVGEI
VVFRIEGREIPIVHRVLK IHEKQNGHIKFLTKGD NNAVD DRGLYKQGHWLEKKD VVGRARGFVPIYIGIV
TILMNDYPKFRYAVLFLGLFVLVHRE

>gi|80478290|gb|AAI09254.1| Chromosome 15 open reading frame 32 [Homo sapiens]
MNKRRTSVDASKEDLHPADPQSGEGVPPNRKNTKTS PRGEGTAPF SARPCVWTLCEMLSILALVGV LHPF
YRSNNQVYQK LKTHLRQSSRV DGLMLKPTLLT PSQLKSP EGHLLILPTFNHLVIRHILDPKQIFCVADVC
TDCKFNCGSIERHQKRHLMRVSDQWEHLIRYRNQICLS

>gi|33874572|gb|AAH15586.2| LAMC1 protein [Homo sapiens]
MNKRRTSHRIWKNKLP EYMRRPKGPVT KLWRSMPAWLS

>gi|119631655|gb|EAX11250.1| zinc finger protein 650, isoform CRA_c [Homo sapiens]
MNKRIEEEICRKVTPPVPPKKTAAEKKTLDEERRQKARERQKLLAEFASRQKSFMETAMDVDSPEND
IPMEITTAEPQVSEAVYDCVICGQSPSEDRPTGLVLLQASSVLGQCRDNVEPKKLPISSEEQIYPWD
TCAAVHVDVRLSLQLRYFKDSSCLLAVSIGWEGGVYVQTCGHTLHIDCHKSYMESLRNDQVLQGFVSKGE

MSSKR

>gi|48145803|emb|CAG33124.1| MYL9 [Homo sapiens]
MSSKRAKAKTTTKKRPQRATSNVFMFDQSQIQEFKEAFNMIDQNRDGFIDKEDLHDMLASLGKNPTDEYL
EGMMSEAPGPIINFMTFMTFGEKLNQTPEDVIRNAFACFDEEASGFIHEDHLRELLTMTGDRFTDEEVD
EMYREAPIDKKGNFNHYVEFTRILKHGAKDKHD

>gi|21619210|gb|AAH32748.1| Myosin regulatory light chain MRCL3 [Homo sapiens]
MSSKRTTKTKTKKRPQRATSNVFMFDQSQIQEFKEAFNMIDQNRDGFIDKEDLHDMLASLGKNPTDEYLD
AMMNEAPGPIINFMTFMTFGEKLNQTPEDVIRNAFACFDEEATGTIQEDYLRRELLTMTGDRFTDEEVD
LYREAPIDKKGNFNHYIEFTRILKHGAKDKDD

>gi|23096064|dbj|BAC16233.1| L-SOX5 transcript B [Homo sapiens]
MSSKRPASPYGEADGEVAMVTSRQKVEEESDGLPAFHLPLHVSFPNKPHEEFQPVSLTQETCGHRT
TSQHNTMEVDGNKVMSSFAPHNSSTSPQKAEEGGRQSGESLSTALGTPERRKGLADVVDTLKQKRMEE
LIKNEPEETPSIEKLLSKDWKDKLLAMGSGNFGIKGTPESLAEKERQLMGMINQLTSLREQLLAAHDEQ

MGKK

>gi|48145649|emb|CAG33047.1| CBX1 [Homo sapiens]
MGKKQNKKKVEEVELEEEEEYVVEKVLDRRVVKGKVEYLLKWKGFSDENDTWEPEENLDCPDLIAEFLQS
QKTAHETDKSEGGKRRKADSDSEDKGEESKPKKKKEESEKPRGFARGLEPERIIGATDSSGELMFLMKWKN
SDEADLVPAKEANVKCPQVVISFYEERLTWHYSPSEDDDKKDDKN

>gi|48146953|emb|CAG33699.1| CBX5 [Homo sapiens]
MGKKTTRTADSSSEDEEEYVVEKVLDRRVVKGQVEYLLKWKGFSEEHNTWEPEKNLDCPELISEFMKKY
KKMKEGNNKPREKSESNKRKSNFSNSADDIKSKKREQSNDIARGFERGLEPEKIIGATDSCGDLMLFM
KWKGTDEADLVLAKEANVKCPQIVIAFYEERLTWHAYPEDAENKEKETAKS

>gi|623240|emb|CAA87632.1| flavin-containing monooxygenase 3 (FMO3) [Homo sapiens]
MGKKVAIIGAGVSGLASIRSCLEEGLEPTCFEKSNDIGGLWKFSDHAEGRASIKSVFSNSKEMMCFP
DFPFPDDFPNFMHNSKIQEYIIAFAKKNLLKYIQFKTFVSSVNKHPDFATTGQWDVTTTERDGKKEAVF
DAVMVCSGHVYPNLPKESFPGLNHFKGKCFHSRDYKEPGVFNKRVLVVGLGNSGCDIATELRSRTAEQV

>gi|7717310|emb|CAB90432.1| human ubiquitin processing protease, EC 3.1.2.15 [Homo sapiens]
MGKKRTKGTVPIDDSSETLEPVCRHIRKGLQGNLKKALVNVEWNICQDCKTNDNKVKDKAEETEETKPS
VWLCCLKCGHGCGGRNSQEQHALKHYLTPRSEPHCLVLSLDNWSVWCYVCDNEVQYCSSNQLGQVVDYVRK
QASITTPKPAEKDNGNIELENKLEKESKNEQEREKKNMAKENPPMNSPCQITVKGSLNLTGTCFFNAV

>gi|28071060|emb|CAD61911.1| SETD3 [Homo sapiens]
MGKKSrvTKQSGTGATATVSPKEILNLTSELLQKCSSPAPGPKWEVEYVQIRTLEVKIRKQKGLSVT
FDGKREDYFPDLMKWASENGASVEGFEMVNFKEEGFGLRATRDIKAEELFLWVPRKLLMTVESAKNSVLG
PLYSQDRILQAMGNIALAFHLLCERASPNFQPYIQITLPSEYDTPLYFEEDVRYLQSTQAIHDFVFSQY

>gi|57997061|emb|CAB66480.2| transient receptor potential cation channel, subfamily
M, member 3 [Homo sapiens]
MGKKWRDAAEMERGCSREDNAESRRRSASRGRFAESWKRLLSSKQGSTKRGLPSQQTTPAQKSWIERA
FYKRECVHIIPSTKDPHRCCGRLIGQHVGLTPSISVLQNEKNESRLSRNDIQSEKWSISKHTQLSPTDA
FGTIEFQGGGHSNKAMYVRVDFTKPDLHLMTKEWQLELPKLLISVHGGLQNFELQPKLKQVFGKGLI

>gi|55661741|emb|CAH72188.1| Armadillo containing protein 3 [Homo sapiens]
MGKKIKKEVEPPPDKDVFPLMIESKKAATVVLMLNSPEEEILAKACEAIYKFALKGEENKTTLLELGAVE
PLTKLLTHEDKIVRRNATMIFGILASNDVKKLLRELDVMNSVIAQLAPEEEVVIHEFASLCLANMSAEY
PVQLLALKTGLVIANDRESRTMLRDNQGLDHLIKILETKELNDLHIEALAVIANCLEDMDTMVQIQQTG

>gi|12654437|gb|AAH01044.1| Kelch domain containing protein protein 4 [Homo sapiens]
MGKKGKKEKKGRGAEKTAAMEKVKSKRSRKEETFLYNELYVYNTKRDWTWTKVDIPSPPPRCAHQAVVV
PQGGGQLWVFGGFEASPNGEQFYHYKDLWVHLATKTWEQVKSSTGGPSGRSGHRMVAWKRQLILFGGFHE
STRDYIYNDVYAFNLDTFTWSKLSPSGTGTPRSGCQMSVTPQGGIVVYGGYSKQVRVKKDVDKGTRHSD

>gi|62702334|gb|AAH93258.1| eukaryotic translation initiation factor 5B [Homo sapiens]
MGKKQKNSKEDSTKDDIDLALAAIEGAGAAKEQEPQKSKGKKEKQDFDEDDILKELEELSLEAQ
GIKADRETVAVKPTENNEEFTSKDKKKKGQKQKQSFDDNDSELEDKSKSKKTAKPKVEMYSGSDDD
DDFNKLPKAKGKAQKSNKKWDGSEEDNSKIKERSRINSSESGESGDESDEFQSRKGQKKNQKPKGP

>gi|14336712|gb|AAK61244.1| WD repeat domain 24 [Homo sapiens]
MGKRRRTTSGEGREERQRLPARRFRRTTSPAALRADSVDDGSSLLAPLLGLTDRAFDSDPDLADGAMKMSRVT
TALGGSVLTGRMTMHCHLDAPANAI SVCRDAAQVVVAGRSIFKIIYAIEEEQFVEKLNLRVGRKPSLNLS
CA DVVWHQMDENLLATAATNGVVVWNLGRFPRSRKQDQLFTEHKRTVNVKVCFHPTAEHVLLSGSQDGFMKCF

>gi|10433552|dbj|BAB13984.1| Melanophilin [Homo sapiens]
MGKKLDLTKLTDDEEAQHVLVQVDFDLRRKEERLEALKGKIKKESKRELLSDTAHLNETHCARCLQP
YQLLVNSKRQCLECGLFCTCKSCGRVHPPEEQGWICDPCHPARVVKIGSLEWYEHVKARFKRFGSAKVI
RSLHGRQLGGAGPELISEERSGSDSDQTDDEDEPGSEAAQAQAPFGSKKKRLLSVHDFDFEGSDSDSTQPQGH

>gi|10434004|dbj|BAB14093.1| zinc finger protein 93 [Homo sapiens]
MGKKHYKCEECGKAFIWSVLTTRHKRVHTGEKPYKCEECGKAFKYSSTLSSHRSHTGEKPYKCEECGKA
FVASSTLSKHEIIHTGKKPYKCEECGKAFNQSSSLTKHKKIHTGEKPYKCEECGKAFNQSSSLTKHKKI
HSGEKPYECDKCGKAFISPSLSRHEIIHTGEK

>gi|8452874|gb|AAF75126.1| bromodomain-containing protein [Homo sapiens]
MGKHHKHHKSDKHLIEEYVEKPLKLVKVGNEVTELTGSSGHDSSLFEDKNDHDKHDKRKRKRKRRKGE
KQIPGEEKGRKRRRVKEDKKKRDRDRVENEAEKDLQCHAPVRLDLPEKPLTSSLAKQEEVEQTPLQEAL
NQLMRQLQRKDPASFFSFVTFDIAPGYSMIKHPMDFSTMKEKIKNNDYQSI EELKDNFKLMCTNAMII

>gi|23331072|gb|AAH36710.1| FtsJ homolog 3 (E. coli) [Homo sapiens]
MGKKGKVGKSRDRKDFYHLAKETGYRSRFAFKLIQLNRRFQFLQKARALLDLCAAPGGWLQVAAKFMVSS
LIVGVDLVFIKPLPNVVTLQEDITTECRQALRKEKLTWKVDVVLNDGAPNVGASVWHDAYSQAHLTLMA
LRLACDFLARGGSFITKVFRRSRDYQPLLWIFQQFLFRVQATKPKQASRHESAEIFVVCQGF LAPDKVDSKF

>gi|22726243|gb|AAH37404.1| Formin binding protein 4 [Homo sapiens]
MGKKSRAVPGRRPILQLSPPGPRGSTPGRDPEPEPDTEPDSTAAVPSQFAPSAAATTTAVTAAAASDDSPS
EDEQEAQVEVPRVQNPFPKVMTRPTAVKATGGCLLGGAYADSDDDNDVSEKLAQSKETNGNQSTDDID
STLANFLAEIDAITAPQPAAPV GASAPPPTPPRPEPKEAATSTLSSSTSNGTDSTQTSWQYDQCSLAG

>gi|5732187|dbj|BAA83340.1| Heterochromatin protein 1 gamma [Homo sapiens]
MGKKQNGKSKKVEEAPEEFVVEKVLDRRVVNGKVEYFLKWKGF TDADNTWEPEENLDCPELIEAFLNSQ
KAGKEKDGTRKRSLSDESDDSKSKKKRDAADKPRGFARGLDPERIIGAIDSSGELMFLMKWKSDEADL
VLAKEANMKCPQIVIAFYERLTFWHSCPEDEAQ

>gi|11995019|dbj|BAB20038.1| calmodulin-dependent phosphodiesterase [Homo sapiens]
MGKKINKLFCFNFLVQCFRGKSKPSKCQIRKKVKNHIERLLDTEDELSDIQTDSVPSEVRDWLASTFTRK
MGMTKKKPEEKPKFRSIVHAV

>gi|2072950|gb|AAC51262.1| p40 [Homo sapiens]
MGKKQNRKTGNSKTQSASPPPKERSSSPATEQSWMENDFDELREEGFRRSNYSELREDIQTGKEVENFE
KNLEECITRISNTEKCLKELMELKTKARELREECRSLRSRCDQLEERVSAEMDEMNMKREGKFRKRIK
RNEQSLQEIWDYVKRPNLRLIGVPESDVENGTKLENTLQDIIQENFPNLARQANVQIQEIQRTPQRYSSR

>gi|16877622|gb|AAH17059.1| Interferon, gamma-inducible protein 16 [Homo sapiens]
MGKKNIVLLKGLEVIN DYHFRMVKSLLSNDLKLNLKMR EYDKIQIADLMEEKFRGDAGLGKLIKIFE
DIPTLEDLAETLKEKLVKGPALSRKRKKEVDATSPAPSTSTVTKTEGAEATPGAQRKSKSTKEKAGPK
GSKVSEEQTPPSFAGAGMSTAMGRSPSPKTSLSAPPNTSSTENPKTVAKCQVTPRRNVLQKRPVIVKVL

>gi|14189956|gb|AAK55519.1|AF305816_1 PRO0633 [Homo sapiens]
MGKKIASVNIKEARDIMLYLQRAINTAMYHIMMFQVLKDHIRGWSEQQAI PYS LGV

MNK

>gi|30268228|emb|CAD89903.1| ATP-binding cassette, sub-family A (ABC1), member 10 [Homo sapiens]
MNKMALASFMKGRVIGTFDEETMDIELPKKYHEMVGVI FSDTFSYRLKFNWGYRIPVIKEHSEYTEHCW
AMHGEIFCYLAKYWLKGFVAFQAANAAIEVTTNHSVMEELTSVIGINMKIPPFISKGEIMNEWFHFTY
LVSFSSFIYFASLNVAAREGGKFKKLMVTMGLRESAFWLSWGLTYICSI FIMSIFMALVITSISIVFHTGF

>gi|47496573|emb|CAG29309.1| APCS [Homo sapiens]
MNKPLLWISVLTSLLEAFAHTDLSGKVFVFPRESVTDHVNLITPLEKPLQNF TLCFRAYS DLSRAYS LFS
YNTQGRDNELLVYKERVGEYSLYIGRHKVT SKVIEKFPAPVHICVSWESSGIAEFWINGTPLVKKGLRQ
GYFVEAQPKIVLQEQDSYGGKFD RSQSFVGEIGDLYMWDVLPENILSAYQGTPLPANILDWQALNIE

>gi|36454|emb|CAA48251.1| SHC transforming protein [Homo sapiens]
MNKLSGGGRTRVREGGQLGGEWTRHGSFVNKPTRGWLHPNDKVMGPGVSYLVRYMGCVEVLQSMRALD
FNTRTQVTREAI SLVCEAVPGAKGATRRRKP CSRPLSSILGRSNLKFAGMPITLTVSTSSLNMAADCKQ
IIANHHMQSISFASGGDPDAEYVAVYAKDPVNQRACHILECEGLAQDVISTIGQAFELRFKQYLRNFP

>gi|1419564|emb|CAA67203.1| cytokeratin [Homo sapiens]
MNKVELESRLLEGLTDEINFLRQLYEEELRELQSQISDTSVVLSDMNSRSLDMSIIAEVKAQYEDIANRS
RAEAESMYQIKYEEELQSLAGKHGDDLRRTKTEISEMNRNISRQAIEGLKGRASLEAAIADAEQRGEL
AIKDANAKLSELEAALQRAKQDMARQLREYQELMNVKLMADIEIATYRKLLEGEESRLESQMNMSTHTK

>gi|2980861|emb|CAA04923.1| NKG2E [Homo sapiens]
MNKQRGTFSEVSLAQDPKPKQRKPKGNKSSISGTEQEIFQVELNLQNASLNHQGIDKIYDCQGLLPPPEK
LTAEVLGIIICIVLMATVLKTIIVLIPFLEQNNSSPNTRTQKARPCGHCPEEWITYSNSCYIIGKERRTWE
SLQACASKNSSLISIDNEEMKFLASILPSSWIGVFRNSSHHPWVTINGLAFKHEIKDSDHAERNCAML
HVRGLISDQCGSSRIIRRGFIMLTRLVLNS

>gi|2980863|emb|CAA04924.1| NKG2F [Homo sapiens]
MNKQRGTYSEVSLAQDPKPKQRKPKGNKSSISGTEQEIFQVELNLQNASSDHQNDKTYHCKGLLPPPEK
LTAEVLGIIICIVLMATVLKTIIVLIPFLEQNNSSPNTRTQKARPCGHCPEEWITYSNSCYIIGKERRT
WEERVCWPVLRRTLICFL

>gi|32968195|emb|CAE12157.1| bubblegum related protein [Homo sapiens]
MNKTEVTPRLWTTCDRGEVLLRLSKHGGPHETPMTIPEFFRESVNRFGTYPALASKNGKKWEILNFNQYY
EACRKAASLIKGLERFHGVGILGFNSAEWFITAVGAILAGGLCVGIYATNSAEACQYVITHAKVNILL
VENDQQQLQKILSIPQSSLEPLKAI IQYRLPMKNNNLYSWDDFMELGRSIPDTQLEQVIESQKANQCAVL

>gi|30583437|gb|AAP35963.1| PCTAIRE-motif protein kinase 3 [Homo sapiens]
MNKMKNFKRRFSLVPRTEETIEESLAEFTEQFNQLHNRNENLQLGLGRDPPQECSTFSPTDSGEEPGQ
LSPGVQFQRRQNRFSMEDVSKRLSLPMDIRLPQEFQKQLQMESPDLPKPLSRMSRRASLSDIGFGKLE
TYVKLDKLGEGTYATVFKGRSKLMENLVALKEIRLEHEEGAPCTAIREVSLKLNKLANIVTLHDLIHTD

>gi|28071042|emb|CAD61902.1| FERM domain containing 6 [Homo sapiens]
MNKLNFNHNRVMQDRRSVCIFLPNDESNIINVKILCHQLLVQVCDLLRLKDCFLGSLVIQNEHVYM
ELSQKLYKYCPKEWKEASKGIDQFGPPMIHFRVQYYVENGRLISDRAARYYYWHLRKQVLHSQCCLR
EEAYFLLAAAFALQADLGNFKRNKHYGKYFEPEAYFPSPWVSKRGKDYILKHI PNMHKQDFALTASEAHLK

>gi|28071114|emb|CAD61938.1| DDB1 and CUL4 associated factor 4 [Homo sapiens]
MNKSRWQSRRRHGRSHQONPWFRLRDSEDRSDSRAAQAHDSDGHGDDSPSTSSGTAGTSSVPELPGFY
FDEPKRYFRLLPGHNNCNPLTKESIRQKEMESKRLRLQEEEDRRKKADTNSDRLFTVNDVKVGGSKYGI
INLQSLKTPTLKVFHMENLYFTNRKAPLLFNGCRSGEIFAIDLRCGNQKGGWKATRLFHDSAVTSVRILQ

>gi|28193240|emb|CAD62362.1| NUMB protein [Homo sapiens]
MNKLRQSFRRKKDVYVPEASRPHQWQTDDEEGVRTGKCSFPVKYLGHVEVDES RGMHICEDAVKRLKAERK
FFKGFFGKTGKAVKAVLWVSADGLRVVDEKTKDLIVDQTIKVSFCAPDRNFDRAFSYICRDGTTRRWI
CHCFMAVKDTGERLSHAVGCAFAACLERKQKREKECGVTATFDASRTTFTREGSFRVTTATEQAEREEM

>gi|57997536|emb|CAI46013.1| eukaryotic translation initiation factor 4 gamma 1 isoform 5 [Homo sapiens]
MNKAPQSTGPPAPSPGLPQPAFPFGQTAPVVVFSTPQATQMNTSPQPRQHFYPSRAQPSSAASRVQSAA
PARPGPAAHVYPAGSQVMMIPSQISYPASQGAYYIPGQGRSTYVVPTQQYPVQFGAPGFYPGASPTEFGT
YAGAYYPAQGVQFPTGVAPAPVLMNQPPQIAPKRERKTIRIRDPNQGGKDI TEEIMSGARTASTPTPPQ

>gi|55957377|emb|CAI12322.1| zinc finger protein 248 [Homo sapiens]
MNKSQEQVSFKDVCVDFTEQEEWYLLDPAQKILYRDVILENYSNLVSVGYCITKPEVIFKIEQGEEPWILE
KGFPSQCHPERKWVDDVLESSQENEDDHFWEELFHNNKTVSVENGDRGSKTFNLGTDVPSLRNYPYKIC
DCEMNLKNISGLIISKNCNRKPKDEFNVCEKLLDIRHEKIPIGEKSYYDQKRNAINYHQDLSQPSF

>gi|56417830|emb|CAI20323.1| TTK protein kinase [Homo sapiens]
MNKVRDIKKNFKNEDLTDELSLNKISADTTDNGSTVNQIMMANNPEDWLSLLKLEKNSVPLSDALLNK
LIGRYSQAIEALPPDKYQNESFARIQVRFELKAIQEPDDARDYFQMARANCKKFAFVHISFAQFELSQ
GNVKKSKQLLQKAVERGAVPLEMLEIALRNLNLQKQLLSEEEKKNLSASTVLTQESFSGSLGHLQNRN
NSCDSRGQTTKARFLYG

>gi|56202720|emb|CAI23623.1| zinc finger protein 33B [Homo sapiens]
MNKVDQKFGQSVSFKDVTGFTQBEWQHLDPSQRALYRDVMLENYSNLVSVGYCAHKPEVIFRLEQGE
WRLEEEFSPQSFPFVWTAHDLKERSQENQSKHLWEVVFINNEMLTKEQGNVIGIPFNMDVSSFP SRKMFC
QYDSRGMSTNTVSELVISKINYLGKKSDEFNACGKLLLNKIHDETHTREKNEVLKRNRTLSHRENTLQHE

>gi|123242365|emb|CAM16212.1| inversin [Homo sapiens]
MNKSENLLFAGSSLASQVHAAAVNGDKGALQRLIVGNSALKDKEDQFGRTPLMYCVLADRLDCADALLKA
GADVNTDHSQRTALHLAAQKGNRYFMKLLLRRANWQKDL EEMTPHLTLTRHRSPKCLALLLKFMAPG
EVDTDKNKQATALHWSAYYNNPEHVKLLIKHDSNIGIPDVEGKIPLHWAANHKDPSAVHTVRCILDAAPT

>gi|55661407|emb|CAH72821.1| biogenesis of lysosomal organelles complex-1, subunit 2 [Homo sapiens]
MNKLTSLKYLEMKDIAINISRNLDLNQKYAGLQPYLDQINVIEEQVAALEQAAYKLDAYSKKLEAKYKK
LEKR

>gi|55957576|emb|CAI16451.1| cancer antigen 1 [Homo sapiens]
MNKDYQKFWSSPDPVHFVDTSEHEKVESMSESDTMNVSNLSQGVMLSHSPICMETTGTTCDLFPQNEIKN
FERENEYESTLCEADYGTLDNLDNNDNIENYSTNALIQPVDTISISSLRQFETVCKFHWEAFDDEMTEK
PEFQSQVYNYAKDNNIKQDSFKENPMETSVSANTDQLGNEYFRQPPRSPPLIHCSGEMLKFTKSLAK

>gi|55662764|emb|CAH69953.1| zinc finger protein 33A [Homo sapiens]
MNKVEQKQESVSKDVTGFTQEEWQHLDPSQRALYRDVMLENYSNLVSVGYCVHKPEVIFRLQGGEEP
WKQEEEFPSQSPFVWTADHLKERSQENQSKHLWEVVFINNEMLTKEQGDVIGIPFNVDVSSPFRKMFQ
CDSCGMSFNTVSELVISKINYLKGSKDEFNACGKLLLNKHDHTHTQEKNEVLKNNRNTLSHHEETLQHEK

>gi|55660902|emb|CAH73314.1| zinc finger protein 25 [Homo sapiens]
MNKFGQPVTLKDVIVVEFTKEEWKLLTPAQRTLYKDVMLENYSHLVSVGYHVNKPNVAVFKLKQKPEWILE
VEFPHRGFPEDLWSIHDLLEARYQESQAGNSRNGELTKHQKTHTEKACECKEKGKFFCQKKSALIVHQHTH
SKGKSYDCDKCGKSFKNEDLIRHQKIHTRDKTYECKECKKIFYHLSLSRHLRTHAGEKPYECNQCEKS

>gi|56203967|emb|CAI21906.1| PRP6 pre-mRNA processing factor 6 homolog (S. cerevisiae) [Homo sapiens]
MNKKKKPFGLMPAPLGYVPLGRGATGFTTRSDIGPARDANDPVDDRHPGKRTVGDQMKKNQAADDDD
EDLNDTNYDEFNGYAGSLFSSGPEYKDDDEEADAIYAALDKRMDERRKERREQREKEEIEKYRMRPKIQ
QFSDLKRKLAEVTEEEWLSIPEVGDARNKRQRNPRYEKLTVPVDSFFAKHLQGTGENHTSVDPRTQFGGL

>gi|21262188|gb|AAM44457.1|AF273054_1 CTCL tumor antigen HD-CL-01 [Homo sapiens]
MNKGEHALVLFKFCVQDKYLQOEHI IKKLIKENKKHQELFVDICSEKDNLREELKKRTEKQHMNTIKQ
LESRIEELNKEVKASRDKLIADQVTAKNVAVQLLHKEMAQRMEQANKKCEARQEKEAMVMKYVRGEKESL
DLRKEKETLEKLRDANKLEKNTNKKQLSQEKGRHLQLYETKEGETRRLIREIDKLKEDINSHVIVKVK

>gi|34979789|gb|AAQ83883.1| urotensin IIB precursor [Homo sapiens]
MNKILSSTVCFGLLTLLSVLIFLQSVHGRPYLTQGNEIFPDKKYTNREELLLALLNKNFDFQRPFNTDLA
LPNKLEELNQLKLEQLVEEKDSETSAYVDGLFSSHPKRACFWKYCV

>gi|37727959|gb|AAR02358.1| interleukin-1 receptor-associated kinase 4 [Homo sapiens]
MNKPIPTSTYVRCNLVGLIRKLSDFIDPQEGWKKLAVAIKKPSGDDRYNQFHIRRFEALLQTGKSPTSEL
LFDWGTNCTVGLDVLDDLIQNEFFAPASLLLPDAVPKTANTLPSKEAITVQQKQMPFCDKDRTLMTVPQN
LEQSYMPPDSSSPENKSLEVSDFRHSFSFYELKKNVTNNFDERPISVGGNKMGEFGVYKGYVNNNTV

>gi|32186842|gb|AAP73047.1| pyridoxal kinase [Homo sapiens]
MNKYDYVLTGYTRDKSFLAMVVDIVQELKQNPRLVYVCDPVLGDKWDGEGSMYVPEDDLVPVYKEKVPL
ADIITPNQFEAELLSGRKIHQSQEALRVMMLHSMGPDVTVITSSDLSPQGSNYLIVLGSQRRRNPA
GSMERIRMDIRKVDVAVFVGTGDLFAAMLLAWTHKHPNNLKVACEKTVSTLHHVLQRTIQCAKAQAGEGVR

>gi|14042807|dbj|BAB55401.1| basic leucine zipper and W2 domains 2 [Homo sapiens]
MNKHQKPVLTGQRFKTRKRDEKEKFEPTVFRDRTLQVQGLNEAGDDLEAVAKFLDSTGSRDLRYRYADTLFD
ILVAGSMILAPGGTRIDDDGKTKMTHNCVFSANEDHETIRNYAQVFNKLIIRRYKYLEKAFEDKMKLLFL
KAFSETEQTKLMLSGILLGNGTLPATILTSLSLFTDSLVEKNEAPVFSVVRQKKNKVTDS

>gi|10439180|dbj|BAB15455.1| GTPase, IMAP family member 6 [Homo sapiens]
MNKFPRRIPQKSCPRILWCSCQEVSPVADAIQCAIVLSAPGPHAVLLVTQLGRFTDEDQVVRRLQEVF
GVLGHTILVFRKEDLAGSSLEDYVRETNNQALAWLDVTLARRHCGFNNRAQGEQEAQLRELMEKVE
AIMWENEGDYYSNKAYQYVQNFRLKELQERQVSQGGSEDVPEESWLEGLSQIQKESSEEAHRCLLGA

>gi|71297488|gb|AAH47475.1| C5orf44 protein [Homo sapiens]
MNKIYSYSDSSSERTMDLVLEMCNTNSIHWCGISGRQLGKLPSSSLCLALTLSSVQGLQGISGLRL
TDTFLKRTYDYDDIAQVCVVSSAIKVES

>gi|12804391|gb|AAH01596.1| BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase) [Homo sapiens]
MNKGWLELESDPGLFTLLVEDFGVKGQVEEIIDLQSKCQGPVYGFIFLFWKIEERRSRKRVSTLVDDTS
VIDDDIVNNMFFAHLQIPNSCATHALLSVLLNCSSVDLGPPLSRMKDFTKGFSPEKGYAIGNAPELAKA
HNSHARPEPRHLPEKQNGLSAVRTMEAFHFVSYPITGRLFELDGLKVYPIDHGPWGEDEEWTDKARRVI

>gi|49901612|gb|AAH74910.1| Zinc finger protein 645 [Homo sapiens]
MNKMPAGQECEYNEKGLYYSKGVKLVKRRKKKIPGYRWGDIKINIIGEKDDLPIHFCDKCDLPIKIYGR
IPCKHAFICYHCANLYDKVGYKVCPRCRYVPLRIEAKHRGVSVMCSIVQCKRRTYLSQKSLQAHIKRRHKR
ARRQVTSASLEKVRPHIAPPQTEISEIPKRLQDRDHLYSIIPPEQHTMVSLSVQHMLQEQHNPBKDIQA

>gi|12751083|gb|AAK07536.1|AF277176_1 PNAS-118 [Homo sapiens]
MNKHGICVVDLFGKETQQIGDEVRLHDTGKFTDGSWSARVTRPRTSEAIRSPGSRARSAPAAKPLGCS

>gi|6467204|dbj|BAA86989.1| gonadotropin inducible transcription repressor-3 [Homo sapiens]
MNKSLGPPVSKFDVAVDFTEQEWQQLDPEQKITYRDVMLENYSNLVSVGYHIIKPDVSKLEQGEPEWIVE
GEFLLQSYDPDEVWQTDLLIERIQEENKPSRQTVFIEITLIEERGNVPGKTFDVTETNPVPSRKIAYKNSLC
DSCEKCLTSVSEYISSDGSYARMKADECSGCGKSLHLKLEKTHPGDQAYEFNQNGEPEYTLNEESLYQKI

>gi|76828045|gb|AAI07132.1| DKFZp7790175 protein [Homo sapiens]
MNKEYGKSFSGSLVTRHQRIHTGKKPYECKEKGAFSCSSYFSQHQRHTGKPYECKEKGAFKYCSN
LNDHQRIHTGKPYECKVCGKAFTKSSQLFHLRIHTGKPYECKEKGKAFQHSRLIQHQRMHTGKPY
ECKQCGKAFNSASTLTNHHRIHAGEKLYECECRKAFIQSSELIHQHRIHTDEKPYECNECGKAFNKGSN

>gi|4580924|gb|AAD24541.1|AF114165_1 endothelin receptor B delta 3 [Homo sapiens]
MNKSTCLMAAETPSKRWRHLCLAFSQRFVRAGPACSSREACSSPRAGWNPAGFRLPGRWSPFVALHLVCQ
IREALKLRPPDASGAGSSMQPPPSLCGRALVALVLACGLSRIWGEERGFPDRATPLLQTAEIMTPPTK
TLWPKGSNASLARSLAPAEVPGKDRTAGSPPTISPPPCQGPPIEIKETFKYINTVVSCLVFLVGLIIGNST

>gi|7141072|gb|AAF37203.1|AF198254_1 mRNA-binding protein CRDBP [Homo sapiens]
MNKLYIGNLNSVTPADLEKVF AEHKISYSQGFLVKSQYAFVDCPDEHWAMKAIETFSQKVELQGRLEI
EHSVPKQSRKIQIRNIPPQLRWEVLDLSLLAQYGTVENCEQVNTSEAVVNVTYSNREQTRQAIMKLN
GHQLENHALKVSYPDEQIAQGPENRRGGFGSRGQPRQGSVAAGAPAKQQQVDIPLRLLVPTQYVGAI

>gi|9896486|gb|AAG00606.2|AF292100_1 RP42 protein [Homo sapiens]
MNKLNKSSQKDKVRQFMIFQSSSEKTAVSCLSQNDWKLVDATDNFFQNPELYIRESVKGSLDRKKLEQLYN
RYKDPQDENKIGIDGIQQFCDDLALDPASISVLIIAWKFRATQCEFSKQEFMDGMTELGCDSEIQLKAQ
IPKMEQELKEPGRFKDFYQFTFNFAKNPGQKGLDLEMAIAYWNLVNLNFRKFLDLWNKFLLEHHKRSIPK

>gi|115527975|gb|AAI25117.1| STXB4 protein [Homo sapiens]
MNKNTSTVSPSLEKDPAFQMITIAKETGLGLKVLGGINRNEGPLYIQEIIPGGDCYKDGRLKPGDQL
VSNKESMIGVSEEEAKSIITRAKLRLESWEIAFIRQKSDNIQPENLSTSLIEASGEYGPQASTLSLF
SSPPEILIPKTSSTPKTNDILSSCEIKTGYNKTVQIPITSENSTVGLSNTDVASAWTENYGLQEKISLN

>gi|80478856|gb|AAI09033.1| MAP3K6 protein [Homo sapiens]
MNKVLPAKLEVRGTDVSTVLSLLEPETQDIPSSWTFPVASICGVSASKRDERCCFLYALPPAQDVQL
CFPSVGHQCQWFCGLIQAVVTNPDPSTAPAEAEAGAGEMLEFDYEYTTETGERLVLGKGTYGVVYAGRDRHTR
VRIAIKEIPERDSRFSQPLHEEIALHRRLRHKNIVRYLGSASQGGYLKIFMEEVPGGSLSSLLRSVWGFL

>gi|116283774|gb|AAH29887.1| MIST protein [Homo sapiens]
MNKPLLDWERNFAAVLDGAKGHSDDDDYDPELRMEETWQSIKILPARPIKESYADTHYFKVAMDTPLPL
DTRTSISIGQPTWNTQTRLERVDKPIKSDVRSQNIKGDASVRKNKIPLPPRPLITLPPKYQPLPPEPES
SRPPLSQRHTFPEVQRMPSQISLRDLSEP

>gi|118341527|gb|AAI27709.1| Low density lipoprotein receptor class A domain containing 1 [Homo sapiens]
MNKVFPQGENGYTAAESKAHPGGEAGGGHLCCSRRGACLSASLLLLLATVAALIALVTLGLPSTPGAQ
ACITLNTRTGFLCHDQRSCIPASGVCDGVRTCTHGEDEDESLCRDVPQSLPHFLVAHCGDPASWIYSDQK
CDGTNCCGDCSDELSPVTVCPCCGPGWWRCPSTFFKYCDCIPRHLCDRHVQHCSDWSEYACPGP

>gi|15011984|gb|AAC16603.2| bystin [Homo sapiens]
MNKNPPARRTLADIIMEKLEKQTEVETVMSEVSGFPMQLDPRVLEVYRQVREVLSKYRSGKLPKAFKI
IPALSNWEQILYVTEPEAWTAAAMYQATRIIFASNLKERMAQRFYNLVLPRVDDVGEYKRLNFHLYMAL
KKALFKPGAWFKGILIPLCESGTCTLREAIIVGSIITKCSIPVLHSSAAMLKIAEMEYSGANSIFLRLLL

>gi|11493552|gb|AAG35549.1|AF132207_7 PRO1933 [Homo sapiens]
MNKHNLRLVQLASELILIEIIPKLFSLQVTTISHIKREKIPPNHRKGI LCMFPWQCVVYVFSNFVWLVIH
RFSNGFIQFLGEPYRLMTASGTHGRIFMVDIPIIKNTQVLRIPVLKDPKMLSKKH

>gi|71296834|gb|AAH40543.1| PTPRM protein [Homo sapiens]
MNKLDPQTNSSQIKKEEFTLNMVTPTLRVEDCSIALPRNHEKNR CMDILPPDRCLPFLITIDGESSNYI
NAALMDSYKQPSAFIVTQHPLNPTVKDFWRLVLDYHCTSVVMLNDVDPALCQYWPENGVHRHGPIQVE
FVSADLEEDIISRIFRIYNAARQDGYRMVQQFQFLGWPMYRDTPVSKRSFLKLRQVQDKWQEEYNGGEG

>gi|32879957|gb|AAP88809.1| numb homolog (Drosophila)-like [Homo sapiens]
MNKLRQSLRRRKPAYVPEASRPHQWADEDAVRKGTCSFPVRYLGHVEVEESRGMHVCEDAVKKLLKAMGR
KSVKSVLWVSADGLRVVDKTKDLLVDQTIKVSFCAPDRNLDAFYSICRDGTTRRWICHCFALKDSG
ERLSHAVGCAFAACLERKQREKECGVTAADFASRTSFAREGSFRLSGGGPAEREAPDKKAEAAAAFT

>gi|31418053|gb|AAH12584.1| CCT8 protein [Homo sapiens]
MNKMVINHLEKLFVTNDAATILRELEVQHAAKMIVMASHMQEQEVGDGTNFVVLVVFAGALLELAEELLRI
GLSVSEVIEGYEIACRKAHEILPNLVCCSAKNLRDIDEVSSLRRTSISMSKQYGENEVFLAKLIAQACVSIF
PDSGHFNVDNIRVCKILGSGISSSSVLHGMVFKKETEEDVTSVKDAKIAVYSCPFDDGMITETKGTVLIKT

>gi|57336877|emb|CAH61082.1| CLLU10S protein [Homo sapiens]
MNKLGHNELKECLKTATDSLQTVQPSSIQTCTSYGPALGAPLGRNEVALLTSLPPNVEISEGKPRATSA
YVRAGKGNVTRRRKTHLGNDDGKKEAQEKM

>gi|7019824|dbj|BAA90885.1| RNA-binding region (RNP1, RRM) containing 3 [Homo sapiens]
MNKLMELANLQPKRPKTIKQRHVRKKRIKMDLNTPLCPSHSSLHPVLLPSDVFDQPPVGNKRIEFHIS
TDMFAAFKKDLKEQNCCEKNHDLPADEVNASNIGFGKIFPKPNLDITEIKEDSDEMPSECISRKEKKK

>gi|34526680|dbj|BAC85263.1| CCR4-NOT transcription complex, subunit 2 [Homo sapiens]
MNKNTFNLFIYLLSAYCVIGNFNFALYHISIFPIHLPYMGTLPPCCTPPSKCAHAHAHTFVYESQL
QVEVLRASASLVPQLYLSGHLQEALSLSPFVCNRSEFKHSRYNLHLSIMKRQVIS

MNR

>gi|34365487|emb|CAE46067.1| C9orf61 protein [Homo sapiens]
MNRMMVGGPDVPIPLPHIYGARIKVEVFCLDPPEPYEAVVSQMDQEQSSSFQMSSEGSEAAVPLDLGCTQ
VTQGDGIPNIPAEENASTSTPSSLVLRPISRRLPLLRTRSKSDPVLHPSEERGDVLPQALRRAVCLFA

>gi|49456571|emb|CAG46606.1| PDGFB [Homo sapiens]
MNRWCALFLSLCCYLRLVSAEGDPIPEELYEMLSDHISRSFDDLQRLHLGDPGEEDGAELDLNMTRSHSG
GELES LARGRRSLGLSLTAEAPAMIAECKTRTEVFEISRRLIDRTNANFLVWPPCDEVQRCSCGCCNRRNVQ
CRPTQVQLRPVQVRKIEIVRKKPIFKKATVTLLEDHLACKCETVAAARPVTRSPGGSQEQRAKTPQTRVTI

>gi|47496633|emb|CAG29339.1| GLRA2 [Homo sapiens]
MNRQLVNIILTALFAFFLETNHFRFAFKDHDSDRSGKQPSQTLSPSDFLDKLMGRTSGYDARIRPNFKGPP
VNVTCNIFINSFGSIAETMDYRVNIFLRQQWNSRLAYSEYPDDSLDLDPSMLDSIWKPDLLFFANEGA
NFHDVTTDNKLLRISKNGKVLYSIRLTLTLSCPMDLKNFPMQVDTCTMQLSEFGYTMNDLIFEWLSDGFPV

>gi|48145653|emb|CAG33049.1| Peci [Homo sapiens]
MNR TAMRASQKDFENSINQVKLLKDPGNEVKKLYALYKQATEGPCNMPKPGVFDLINKAKWDAWNALG
SLPKAARQNYVDLVSSLSPLSESSQVEPGTDRKSTGFETLVVTSEDGITKIMFNRPKKKNAINTEMYH
EIMRALKAASKDSDIITVLTGNVDYSSGNDLITNFTDIPPGVVEEKAKNNAVLLREFVGCIFIDFKPLIA

>gi|48146705|emb|CAG33575.1| C14orf133 [Homo sapiens]
MNR TKGDEEYWNSSKFAFTFDEDELSQLKESKRAVNSLDRFVDDDDDDLERVSWSGEPVSGSISWS
IRETAGNSGSTEHEGREQLKSRNSFSSYAQLPKPTSTYLSLSSFFRGRTRPGSFQSLSDALS DTPAKSYAPE
LGRPKGEYRDYSDNWSPSDTVRRLRKGKVC SLERFRSLQDKLQLEEA VSMHDGNVITAVLIFLKR TLSK

>gi|49065430|emb|CAG38533.1| DKFZp761B1514 [Homo sapiens]
MNRFGTRLVGATATSSPPKARSNENLDKIDMSLDDI IKNRKEGKKQNFPRLNRRLLQQSGAQQFRMRV
RWGIQQNSGFGKTSLNHRGRVMPGKRRPNGVITGLAARKTTGIRKGISPMNRPPLSDKNIEQYFPVLRK
ANLLRQNEGQRKPVAVLRKPSQLSRKNNIPANFTRSGNKLNHQKDRQATFLFRRLGLKVQAQLNTEQLLD

>gi|30172452|gb|AA017041.1| E2F-associated phosphoprotein [Homo sapiens]
MNR LPDDYDPYAVEEPSDEEPALSSSEDEVDVLLHGTDPQKRKLIRECLTGESESSSEDEFEKEMEAE LN
STMKTMDKLSLGTGSSGNGKVATAAPTRYDDIYFDSSEDEEDRAVQVTKKKKKKQHKIPTNDEL LYD
PEKDNRDQAWVDAQRRGYHGLGPQRSRQQQPVNSDAGLELSCLHDHTLALIAKGMNHTKTQYRAMFVMN

>gi|8249458|emb|CAB93146.1| NF-KB Essential Modulator [Homo sapiens]
MNRHLWKSQLECMVQPSGGPAADQDVLGEE SPLGK PAMLHLPSEQ GAPETLQRCLEENQE LRDAIRQSNQ
ILRERCELLHFQASQREEKFLMCKFQEARKLVERLGLKLDLKRQKEQALREVEHLKRCQQQMAEDKA
SVKAQVTSLLGELQESQSRLEAATKECQALEGRARAASEQARQLESEREALQQQHSVQVDQLRMQGQSVE

>gi|3947700|emb|CAA60883.1| CD4 [Homo sapiens]
MNRGVPPFRHLLVLQLALLPAATQGGKVVGLKKGDTVELTCTASQKKSIFHWKNSNQIKILNGQGSFLT
K

>gi|31074629|emb|CAD91891.1| keratin 2p [Homo sapiens]
MNRQVCKSFSGSRSGGFSRVS AVVSGSRMCSVARSGAGGGACGFRSGAGSFGSRSLYNLGSNKSSISIS
VAAGSSRAGGFGGGRSSCGFAGGYGGGFGGSYGGGFGGGRGVGSGFGGAGGFGGAGGFGGPGVFGGPGSF
GGPGGFGGPGGPGGIQEVIVNQSLQLNVEIDPQIGVKAQEREQIKTLNKKFASFIDKVRVLEQQNKV

>gi|12052963|emb|CAB66656.1| Kv channel interacting protein 2 [Homo sapiens]
MNRCPRRRCRSPGLQAARSLYQLVGTGSLSPDSDVDFEFESSTVCHRPEGLEQLQEQTQKTRKELQVLYRGFK
NECPFGIVNEENEFKYISQFFPQGDSSYATFLFNADFTNHDGVSFEDFVAGLSVILRGTVDDRLNWF
NLYDLNKGDCITKEEMLDIMKSIYDMMGKYTYPALREEAPREHVESFFQKMDRNDKGVVTTNEEFIESCQK

>gi|57997498|emb|CAI46079.1| hypothetical protein [Homo sapiens]
MNRKWEAKLKQIEERASHYERKPLSSVYRPRLSKPEEPPSIWRLFHRQAQAFNFVKCKEDVHVFALECK
VGDGQRIYLVTTYAEFWFYKSRKNLLHCYEVI PENAVCKLYFDLEFNK PANPGADGKMMVALLIEYVCK
ALQELYGVNCSAEDVNLNDSSTDEKFSRHLIFQLHDVAFKDNHVGNFRLRKILQPALDLDLGSSEDDSAFE
>gi|55957435|emb|CAI12404.1| chromosome 9 open reading frame 29 [Homo sapiens]
MNRNILEEMLQYLLIDWIVGDQFEIQLNQQLWSLIPNNDVRRVLSHVIRTLLKTDCTETHLQLACAKLISR
TGLLMKLLSEQQELRTVSMTAWKPRMNRKRSRMSIPSGPDMEEETDVS

>gi|56202659|emb|CAI20261.1| RP1-132F22.1 [Homo sapiens]
MNRYYTTRQLGDTYGSVLLGRSIESGELIAIKMKRKFYSWEECMNLREVKSLKLNHANVVKLEKIVR
ENDHLYFIFEYMKENLYQLIKERNLFPESAIRNIMYQILQGLAFIHKHGFHRDLKPENLLCMGPPELVK
IADFLGLAREIRSKPPYTDYVSTRWYRAPEVLLRSTNYSSPIDVWAVGCIMAEVYTLRPLFPGASEIDTIF

>gi|14787753|emb|CAB44747.3| par-6 partitioning defective 6 homolog beta (C. elegans) [Homo sapiens]
MNRSHRHGAGSGCLGTMEVSKKFGAEFRFSLERSKPKGFEEFYGLLQHVHKIPNVVDVLVGYADIHGDL
PINNDNHYKAVSTANPLLRIFIQKKEADYSAFGTDTLIKKNVLTNVLRPNDRKPHIVISMPQDFR
PVSSIIDVDILPETHRRVRLKYGTEKPLGFYIRDGSSVRVTPHGLEKVPGFISRLVPGGLAQSTGLLA

>gi|55663294|emb|CAH70841.1| regulator of G-protein signalling 3 [Homo sapiens]
MNRFNGLCKVCSEERRYRQITIPRKGKDFGFTICCDSPVRVQAVDSGGPAERAGLQQLDVTVLQNLNERPVEH
WKCVELAHEIRSCPSEIILLVWRMVPQVKPGDGGVLRASCKSTHDLQSPPNKREKNCTHGVQARPEQR
HSCHLVCDSSDGLLLGWERYTEVAKRGGQHTLPALSRATAPDTPNYIILAPLNPQSLLRPVYQEDTIP

>gi|14714723|gb|AAH10504.1| DDHD2 protein [Homo sapiens]
MNRITYTLFQRNPDFKGGVSIAGHSLGLSILFDILTNOKDSLGDIDSEKDSLNIIVMDQDPTLEEDLKK
LQLSEFFDI FEKELVKDEALALCTDRDLQEIIGIPLGPRKILNLYFSTRKNSMGIKRPAQPASGANIPE
SEFCSSNTRNGDYLDVIGQVSVKYPRLIYKPEIFFAFGSPIGMFLTVRGLKRIDPNYRFPTCKGFFNI

>gi|31565773|gb|AAH53664.1| ZFYVE28 protein [Homo sapiens]
MNRFRKWLKPKKSDPQLLARFYADEELNQVAAELDSLDRKDPQRCTLLVVSQFRSCQDNVNIINQIM
DECIPQDRAPRDFCVKFPPEIRHDNLAGQLWFGAECLAAGSIIMNRELESAMRPLAKELTRSLEDVIRGA
LRDQALRDLNTYTEKMRALRHFDVLFAEFELSIVSAMVPVKS PREYVQVEVIVLFCETVERALDFGYL

>gi|15213263|gb|AAK85701.1| RAS guanyl releasing protein 4 [Homo sapiens]
MNRKDSKRKSHQECTGKTGGRGRPRQVRRHKTCPSPREISKVMASMNGLLSEGGCSEDELLEKCIQSFD
SAGSLCHEDHMLNMVLAHMSVWLPASADLAARLLTSYQKATGDTQELRLLIHLVRYWLMRHPVVMHQDP
QLEEVIGRFWATVAREGNSAQRRLGDSDDLSPGGPGPPLPMSSPGLGKRRKVSLLFDHLETGELAQLHT

>gi|23268497|gb|AAN16405.1| male germ cell-associated kinase [Homo sapiens]
MNRYYTTRQLGDTYGSVLMGKSNESGELVAIKRMKRFYSWDECMNLREVKSLKLNHANVVKLEKIVR
ENDHLYFIFEYMKENLYQLMKDRNKLFPESVIRNIMYQILQGLAFIHKHGFHRDMKPENLLCMGPPELVK
IADFLGLARELRSPYTDYVSTRWYRAPEVLLRSSVYSSPIDVWAVGSI MAELYMLRPLFPGTSEVDEIF

>gi|14042483|dbj|BAB55265.1| unnamed protein product [Homo sapiens]
MNRKCFEEDFRIHVTDKKWTELDTNQHRTHAMRLLDGLEVTAREKRLKVARAILYVAQGTFGECSSAEV
QSWMRYNIFLLLEVGTFNALVELLNMEIDNSAACSSAVRKPALSLADSTDLRVLLNIMYLIVETVHQECE
GDKAEWRTMRQTFRAELGSPLYNNEPFAIMLFMVTKFCSGHAPHFPMKVVLLLLWKTIVLCTLGGFEELQ

>gi|14042655|dbj|BAB55339.1| GDP-fucose transporter 1 isoform a [Homo sapiens]
MNRAPLKRSRILHMALTGASDPSAEAEANGKPFLLRALQIALVVS LYWVTSISMVFLNKYLLDPSPLRL
DTPIFVTFYQCLVTTLLCKGLSALAACCPGAVDFPSLRDLDRVARSVLPLSVVFIGMITFNNLCLKYVGV
AFYNVGRSLTTVFNVLVLLKQTTSFYALLTCGIIIGGFVWLVGDQGAEGTLSWLGTVFGVLA SLCVS

>gi|10438267|dbj|BAB15211.1| unnamed protein product [Homo sapiens]
MNRFRVSKFRHTEARPPRESWISDIRAGTAPSCRNHKSSCSLIAFNDRPGVLTGIVPLQGGQEDKRRV
AHLGCHSDLVTDLDFSPDDFLLATGSADRTVKLWRLPGPGQALPSAPGVVLPEDLPVEVLQFHPTSDG
ILVSAAGTTVKVWDAKQPLTELAHGDVQSAVWSRDGALVGTACKDKQLRIFDPRTKPRASQSTQAH

>gi|109658572|gb|AAI17345.1| Hypothetical protein FLJ25444 [Homo sapiens]
MNRSSNVPRKGILKSGTRSLQKVCRVHFANARNARSLLSMLKDISAQIQRRAWLSHTNKMIFRLLKHAIC
AAEFYVTHEILKLVAPLEAKLIKDPMTQCKIRFRFRGETFPFPFIVFKIFLHTDGHGYKYFSGKNVLMPS
KAVDDACKLMGERKFHRIIMEDERIFPKSKVTDIMDVVMTQDYVQYRSFFDEAPAFSGGRNNSWRKLNLE

>gi|71482952|gb|AAZ32415.1| receptor for advanced glycation end-products [Homo sapiens]
MNRNGKETKSNYRVRVVQIPGKPEIVDSASELITAGVPNKVGTGCVSEGSYPAGTLSWHLDGKPLVPNEKGV
SVKEQTRRHPELGFLTLQSELMVPTFARGDPRPTFSCSFSPGLPRHRALRTAPIQPRVWEVPVLEEVEQLV
VEPEGGAAPGGTTLTCEVFVLPQSPQIHWMDGVPVPLPPSPVLILPEIGPQDQGTYSVATHSSHGFQ

>gi|13937759|gb|AAH06974.1| Chromatin modifying protein 5 [Homo sapiens]
MNRFLGKAKPKAPPSTLDCIGTVDSRAESIDKKISRLDAELVVKYKDIKKMREGPAKMNVMKQKALRVLK
QKRMYEQQRDNLAAQSFNMEQANYTIQSLKDTKTVDAMKLGVKEMKKAYKQVKIDQIEDLQDQLEDMM
DANEIQEALSRSYGTPELDEDDLEAELDALGDELLADESSYLDEAASAPAIPEGVPTDTKNKDGVLVDE

>gi|12804487|gb|AAH01652.1| FWP1 homolog (S. cerevisiae) [Homo sapiens]
MNRSRQVTCVAVWRVCVKAKETPKDVELSKEEVKRLIAEAKKLEQEGGSDEEETGSPSEDGMSARTQA
RPREPLEDGDPEDDRTLDDELEAEYDLKDYDEEGDPAETLGESELLGLTVYGSNDQDYPVTLKDTQYER
EDFLIKPNDNLIVCGRAEQDQCNLDVHVYVQEEDESFYVHHDILLSAYPLSVEWLNFDPSDDSTGNYIAV

>gi|16041765|gb|AAH15763.1| EPS8-like 1 [Homo sapiens]
MNRTPRRIWGSSQDEALIREDIQGGALHNYRSGRGERRAALRATQEELQDRSPAETPPLQRRPSVR
AVISTVERGAGRGRQAKPIPEAEAEARPEPVGTSNADSASPDGPRGPDLAVLQAEREVDILNHVFDD
VESFVSRLQKSAAEARVLEHRERGRSRRAAGEGLTLRAKPPEAEYTDVLQKIKYAFSLARLRGNI

>gi|54611161|gb|AAH27965.1| G protein-coupled receptor 109A [Homo sapiens]
MNRHLLQDHFLEIDKNCCVFRDDFIVKVLPPVGLLEFIFGLLGNGLALWIFCFHLKSWKSSRIFFNLA
VADFLLIICLPFLMDNYVRRWDWKFWDIPLRLMLFMLAMNRRQGSIIFLTUVAVDRYFRVPHHALNKIS
NRTAAIISCLLWGITIGLTVHLKMPIQGGANLCSFSICHTFQWHEAMFLEFFLPLGIILFCSAR

>gi|16877754|gb|AAH17114.1| Oligonucleotide/oligosaccharide-binding fold containing 2A [Homo sapiens]
MNRVNDPLIFIRDIKPGLKLNLVVVFIVLEIGRVTKTGDEHVRCKVADKTSITISVWDEIGGLIQPGD
IIRLTRGYASMWKGLTLYTGRGGELQKIGFECMVYSEVPNFSEPNPDYRQGNKGAQSEQKNNSMNSNM
GTGTFGPVGNGVHTGPEGREHQSFSHAGRSNGRLINPQLQGTASNQVTMTTISNGRDPRAFRK

>gi|19343919|gb|AAH25676.1| EF-hand calcium binding domain 1 [Homo sapiens]
MNRKKLQKLTDLTKNCKHFNKFVEVNCILKLYDLVGVVERQGLVVGLDNRNFRNIIHLVTFGMDDMIMD
RVFRGFDKNDGCVNVLEWIHGLSLFLRGSLEEKMYCFEVDLNGDGFISKEEMFHMLKNSLLKQPSSE
DPDEGIKDLVEITLKKMDHDHDKGLSFADYELAVRETTLLLEAFGPCLPDPSQMEFEAQVFKDPNEFND

>gi|27503783|gb|AAH42196.1| Mitochondrial translational release factor 1 [Homo sapiens]
MNRHLCVWLFHRPSLNGYLQCHIQLHSHQFRQIHLDTLRQVFRQNRNRCILHLKSNWSRRYCHQDTKMLW
KHKALQKYMENLSKEYQTLQCLQHIPVNEENRRSLNRRHAELAPLAAIYQEIQETEQAIEELESMCKSL
NKQDEKQLQELALEERQTIQKINMPLYNELFQSLVPKEKYDKNDVILEVTAGRTTGGDICCQFTREIFDM

>gi|14250690|gb|AAH08811.1| Wingless-type MMTV integration site family, member 7A [Homo sapiens]
MNRKARRCLGHFLSLGMVYLRIGGFSSVVALGASIIICNKIPGLAPRQRAICQSRPDIAIVIGEGSQMGL
DECQFQFRNGRWNCALGERTVFGKELKVGSRFAAFYAI I AAGVAHAITA ACTQGNLSDCGDKEKQGGQ
YHRDEGWKGGCSADIRYGIGFAKVFVDAREIKQNARTLMNHLNNEAGRKILEENMKLECKCHGVSGSCT

>gi|15779024|gb|AAH14588.1| Acrosomal vesicle protein 1 [Homo sapiens]
MNRFLLLMSLYLLGSARGTSSQPNELSGSIDHQTTSVQQLPGEFFSLENPSDAEALYETSSGLNLTSEHGS
SEHSSKHTVAEHTSGEHAESEHASGEPAATEHAEGEHTVGEQPSGEQPSGHEHLSGEPLESELESGEQPS
DEQPSGHEHSGEPQPSGEQASGEQPSGHEHASGEQASGAPISSTGTILNCYTCAYMNDQGGKCLRGEGETCI

>gi|1888354|dbj|BAA09436.1| placental leucine aminopeptidase [Homo sapiens]
MNRSSGLRNSATGYRQSPDGACSVSPARTMVVCAFVIVVAVSVIMVIYLLPRFTFTKEGCHKKNQSIGLI
QPFATNGKLFPAQIRLPTAVVPLRYELSLHPNLTSMTFRGVSVTISVQALQVTWNIIHLSTGHNISRVTF
MSAVSSQEKAELIYAYHGAIVAPEALLAGHNYTLKIEYSANISSYYGFYGFSTDESNEKKYFAA

>gi|219400|dbj|BAA39694.1| 2',3'-cyclic-nucleotide 3'-phosphodiesterase (CNPII) [Homo sapiens]
MNRGFSRKSHFTFLPKIFFRKMSSGAKDKPELQFPFLQDEDTVATLLECKTLFILRGLPGSGKSTLARVI
VDKYRDGTMKVSADAYKITPGARGAFSEYKRLDEDLAAYCRRRDIRILVLDNTHHERERLEQLFEMADQ
YQYQVVVLEPKTAWRLCDALKEKNQWQLSADDLKLKPGLEKDFLPLYPGFYFGWFLTKKSSETLRKAGQVFL

>gi|5509901|dbj|BAA82509.1| WNT7a [Homo sapiens]
MNRKARRCLGHFLFSLGMVYLRIGGFSSVVALGASIIICNKIPGLAPRQRAICQSRPDIAIVIGEGSQMGL
DECQFQFRNGRWNCALGERTVFGKELKVGSRFAAFYAI I AAGVAHAITA ACTQGNLSDCGDKEKQGGQ
YHRDEGWKGGCSADIRYGIGFAKVFVDAREIKQNARTLMNHLNNEAGRKILEENMKLECKCHGVSGSCT

>gi|9581841|dbj|BAB03458.1| beta-catenin-interacting protein ICAT [Homo sapiens]
MNRGAPGKSPPEMYIQQKVRVLLMLRKMGSNLTASEEFLRTYAGVNSQLSQLPPHSIDQGAEDVMA
FSRSETEDRRQ

>gi|13537119|dbj|BAB40757.1| PAR-6 gamma [Homo sapiens]
MNRSFHKSQTLRFYDCSAVEVKSFKGAEFRFRSLDRHKPGKFEDFYKLVVHTHHISNSDVTIGYADVHGD
LLPINDDNFCKAVSSANPLLRVFIQKREEAERGS LGAGSLCRRRRALGALRDEGPRRRAHLDIGLPRDF
RPVSSIIDVDLVPETHRRVRLHRHGCEKPLGFYIRDGASVRVTPHGLEKVPGIFISRMVPGGLAESTGLL

>gi|30984140|dbj|BAC76765.1| MIST [Homo sapiens]
MNRQGNRKTTEGSNDLKFQNFSLPKNRSWPRINSATGQYQRMNKPLLDWERNFAAVLDGAKGHSDDDDYD
DPELRMEETWQS IKILPARPIKESYADTHYFKVAMDTPLPLDTRTISISIGQPTWNTQTRLERVDKPISR
DVRSQNIKGDASVRKNKIFLPPRPLITLPPKYQPLPEPESSRPPLSRHTFPEVQGMPSQISLRDLSE

>gi|148744384|gb|AAI42704.1| GALNT5 protein [Homo sapiens]
MNRIRKFFRSGRVLAFIFVASVIWLLFDMAALRLSFSEINTRVIKEDIVRRERIGFRVQPDQKIFYSS
IKEMKPLLRLGHGKAWGKENVNRKTEESVLKVEVDLDQTRERKMQNALGRGKVVPLWHPAHLQTLPTVFN
KQKTDGRGTPKEASSHQGTGPKQTAAQGAPKTSFIAAKGTQVVKISVHMGRVSLKQEPKSHSPSSDTSKL

>gi|24660208|gb|AAH39268.1| Chromosome 11 open reading frame 82 [Homo sapiens]
MNRRRKFLASVLAALQNSFSFIYPSCQKCFSRILVSKRSNCPKCGSTGESGNANYRYKLSLKVAESNKL
VITVFGSLDFTFFGLTATGLHRYIQDPNKIPETLDNDTTQNLTKAVETCFVGGQSFIFGVTNFENQPGQG
SDASNFLQQCS DHKRAKALVACQIVLPDPGIAGFTVIDYFHQLLQTFNFRKLQCDQAPNNHLLALDHS

>gi|2105100|gb|AAC51319.1| Wnt7a protein [Homo sapiens]
MNRKALRCLGHLFSLGMLVCLRIGGFSSVVALGATIICNKIPGLAPRQRAICQSRPDAIIVIGEGSQMGL
DEKQFQFRNGRWNCALNGERTVFGKELKVGSRDGAFTYAI IAAGVAHAITAACHTGNLSDCGCDKEKQGG
YHRDEGWKGGCSADIRYIGIFAKVFDAREIKQNARTLMNLHNEAGRKILEENMKLECKCHGVSGSCT

>gi|2827282|gb|AAC68502.1| TATA binding protein associated factor [Homo sapiens]
MNRKKGDKGFESPRPYKLT HQVVCINNINFRKSVVGFVELTIFPTVANLNRIKLNKQCRIRYVRINDL
EAAFIYNDPTLEVCHSESKQRNLNYFSNAYAAVSAVDPDAGNGELCIKVPSELWKHVDELKVLKIHINF
SLDQPKGGLHFVVPVSEVGSMAERGAHVFCGYNSTRFWFPCVDSYSELCTWKLEFTVDAAMVAVSNGLD

>gi|4588015|gb|AAD25953.1|AF087651_1 patched 2 [Homo sapiens]
MNRSPPLRELPPSYTPPARTAAPQILAGSLKAPLWLRAYFQGLLFSLGGIQRHCGKVLFLGLLAFGALA
LGLRMAI IETNLQLWVEVGSRSVQELHYTKEKLGEEAAYTSQMLIQTALQEGENILTPALGLHLQAAL
TASKVQVSLYKGSWDLNKICYKSGVPLIENGMIERMIEKLFPCVILTPLDCEWEGAKLQGGSAYLPGRPD

>gi|1777757|gb|AAB40598.1| protein tyrosine phosphatase PTPCAAX2 [Homo sapiens]
MNRPAVVEISYENMRFLITHNPTNATLNKFTTELKKYGVTTLVRVCDATYDKAPVEKEGIIHVLDWPFDDG
APPPNQIVDDWLNLLKTKFREEPGCCVAVHCVAGLGRAPVLVALALIECGMKYEDAVQFIRQKRRGAFNS
KQLLYLEKYRPMRLRFRDINGHCVCQ

>gi|6409468|gb|AAF08006.1|AF200715_1 PTB domain adaptor protein CED-6 [Homo sapiens]
MNRAFSRKKDKTWMHTPEALSKHFIPYNAKFLGSTEVEQPKGTEVVVDVAVRKLKFAHRIKSEGGQKIPKV
ELQISIIYGVKILEBPKTKVQHNCQLHRISFCADDKTDKRIFTFICKDSESNKHLCYVFDSEKCAEEITLT
IGQAFDLAYRKFLESGGKDVETRQKIAGLQKRIQDLETENMELKNKVQDLENQLRITQVSAPPAGSMTPK

>gi|6601438|gb|AAF18981.1|AF197927_1 AF5q31 protein [Homo sapiens]
MNRDRNVLRMKERERRNQEIQQGEDAFPPSSPLFAEPYKVTSKEDKLSRIQSMLGNYDEMDFIGDRS
IPKLVAI PKPTVPPSADEKSNPNFFEQRHGGSHQSSKWTVPVGPAPSTSQSQRSSGLQSGHSSQRTSAGS
SSGTNSSGQRHRESYNSGSSSRKKGQHGSEHSKSRSSSPGKQAVSSLNSSHRSRSHGNDHHSKEHQRS

>gi|112180563|gb|AAH36760.1| Chromosome 17 open reading frame 58 [Homo sapiens]
MNRLLYLPDGFVFRVHMLALDSSSNCKPCPEFKPGSRYIVMGHIYHKRRQLPTALLQVLRGLRPGDGLL
RSSSSYVKKRFNRKREGQIQGAVHTQCI

>gi|115292649|gb|ABI93268.1| WDR13 [Homo sapiens]
MNRVAVYEDRPPGSSVPTSAEASRAMAGDTSLSENYAFAGMYHVFDQHVDEAVPRVRFANDDRHRLACCS
LDGSI SLCQLVPAPPTVLRVLRGHTRGVSDFAWSLNDILVSTSLDATMRIWASEDGRICIREIPDPDSAE
LLCCTFQPVNNLTVVGNAKHNHVMMNISTXKXKGGSSKLTGXVLALSFBAPGRXLWAGBDRGVSFSL

>gi|71297000|gb|AAH37925.1| DHX32 protein [Homo sapiens]
MNRPAPELSMQALEDLDYLAALDNDGNLSEFGIIMSEFPLDPQLSKSILASCGFDCVDEVLTIAAMVTAP
NCFSHVPHGAEAAALTCWKTFLHPEGDHFTLISIIYKAYQDITLNSSEYCVKWCRCYFLNCSALRMADV
IRAGLLEI IKRIELPYAEPAFGSKENTLNIKKALLSGYFMQIARDVDGSGNYLMLTHKQVAQLHPLSGYS

>gi|71052177|gb|AAH92497.1| LOC283951 protein [Homo sapiens]
MNRVLCAPAAGAVRALRLIGWASRSLHPLGSRDRAHPAAEEEDDPPDRPIEFSSSKANPHRWSVGHMTGK
GHQRPWWKVLPLSCFLVALI IWCYLREESEADQWLRQVWGEVPEPSDRSEEPETPAAYRART

>gi|55959802|emb|CAI15869.1| family with sequence similarity 21, member A [Homo sapiens]
MNRTPDQELAPASEPVWERPWSVEEIRRSSQSWSLAADAGLLQFLQEFSSQQTISRTHEIKKQVDGLIRE
TKATDCRLHNVFNDFLMSNTQFIENRVYDEEGSVGSDRGSIVDTEEEKEEESEDEFAHHSNEQNRHT
TQMSDEEEDDDGCDLFDADSEKEEEDIEDIEENTRPKRSRPTSFADELAARIKGDVAVGRVDEEPTLPSGE

>gi|55665694|emb|CAH70724.1| PHD finger protein 8 [Homo sapiens]
MNRRAIVQRGRVLPPLPPAPLDTTNLAGRRTLQGRAKMASVPVYCLCRLPYDVTRFMIECDMCQDWFHGSC
VGVVEEKAADIDLHPCNCEVLHGPSIMKKRRGSSKGGHDTKKGKPVKTGSPPTFVRELRSRTFDSSDEVIL
KPTGNQLTVEFLEENSFSVPILVLKDLGMLTLPSPSFTVRDVEHYVGS DKEIDVIDVTRQADCKMKLGD

>gi|21595401|gb|AAH32370.1| NNT protein [Homo sapiens]
MNRSLANVILGGYGTSTAGGKPMIEISGTHTEINLDAIDMIREANSIIITPGYGLCAAKAQYPIADLVK
MLTEQGGKVRFGIHPVAGRMPGQLNVLLAEAGVPYDIVLEMDEINHDFPDTDLVVLVIGANDTVNSAAQED
PNSIAGMPVLEVWKSQVIVMKRSLGVYAAVDNPIFYKPNAMLLGDAKKTCDALQAKVRESYQK

>gi|16878182|gb|AAH17296.1| SESN3 protein [Homo sapiens]
MNRGGGSPSAAANYLLCTNCRKVLKDKRIRVSQLTRGPSAFIPEKEVVQANTVDERTNFLVEEYSTSG
RLDNITQVMSLHTQYLESFLRSQFYMLRMDGPLPLPYRHYIAIMAAARHQCSYLINMHVDEFKLTGGIAE
WNLNGLEYVPQRLKNLNEINKLLAHRPWLITKEHIQKLVKTGENNWSLPELVHAVVLLAHYHALASFVFGS

MRRR

>gi|49457454|emb|CAG47026.1| H2AFB [Homo sapiens]
MRRRRRRRSGSAGGRGRTCSRTRVRAELSFVSQVVERSLREGHYAQRSLRTAPVYLAAVIEYLTAKVPEL
AGNEAQNSGERNITPLLLDMVHNDRLSLTLFNNTTISQVAPGED

>gi|30349719|gb|AAP22172.1| BCL-3 binding protein [Homo sapiens]
MRRRRKNLGGNPFKRTANPKKEVVVSSVASREEPTTTLPSMGETKVDQEELFTSISEIFSDLDPDVVYMLL
SECDFKVENAMDCLLELSATDTKIEESSQS FVASENQVGAESKIMEKRPEEESSEDSKMSDFLDMQLTE
DLDSLIIQNAFEKLNSSPDDQVYFSLPSQDVNSFNDSSSEFINPDSNMTPIFSTQNMNLNGENLENSGTL

>gi|30582151|gb|AAP35302.1| carbonic anhydrase XII [Homo sapiens]
MRRRSLHAAAVLLLVILKEQPSSPAPVNGSKWTFYFGPDGENSWSKKYPSCGLLQSPIDLHSDILQYDAS
LTPLEFQGYNLSANKQFLLTNNGHVSVKLNLPSDMHIQGLQSRYSATQLHLHWGNPNDPHGSEHTVSGQHF
AAELHIVHYNSDLYPDASTASNKSEGLAVLAVLIEMGSFNPSYDKIFSHLQHVKYKQEAFFVPGFNIEEL

>gi|31873254|emb|CAD97618.1| ubiquitin interaction motif containing 1 [Homo sapiens]
MRRRKKVKEVSESRNLEKKDVETTSSVSVKRRRLEDAFIVISDSGEEPKENGLQKTKTKQSNRAKC
LAKRRIAQMTEEEQFALALKMSEQEAREVNSQEEEEELLRKAIAESLNSCRPSDASATRSRPLATGPSS
QSHQEKTDSGLTEGIWQLVPPSLFKGSHISQNEAEEREPEWDHTEKTEEEPVS GSSGSDWQSSQPVFE

>gi|34364882|emb|CAE45871.1| teashirt family zinc-finger [Homo sapiens]
MRRRQQAPKRAAGYAQEELKKEEIEKEEEDSGSVAQLQGGNDTGTDELELTGPEQKGCFSYQNSP
GSHLSNQDAENESLLSDASDQVSDIKSVCGRDASDKKAHTHVSPLPNEAHNCMDKMTAVYANILSDSYWSG
LGLGFKLSNSERRNCDTRNGSNKSDFDWHQDALS KSLQQLNPSRSVSKPSLFSVQLCRQSSKMC GTVFT

>gi|52546031|emb|CAH56184.1| teashirt zinc finger homeobox 3 [Homo sapiens]
MRRRQQAPRRAAAYVSEELKAAALVDEGLDPEEHTADGEP SAKYMCPEKELARACPSYQNSPAAEF SCH
EMDSESHISETSDRMADFESGSIKNEETKEVTVPLEDTTVSDSLEQMKAVYNNFLSNSYWSNLNLHLHQ
PSSEKNGSSSSSSSSSSSCGSGSFDWHQSAMAKTLQQVVSQSRMLPEPSLFTVQLYRQSSKLYGSI FTG

>gi|24429592|ref|NP_061060.3| chondroitin sulfate N-acetylgalactosaminyltransferase 2 [Homo sapiens]
MRRRGLILHTRTHWLLLGLALLCSLVLFMYLLECAPQTDGNASLPGVGENYKKEYYQALLQE QEEHYQT
RATSLKRQIAQLKQELQEMSEKMRSLQERRNVGANGIGYQSNKEQAPSDLLEFLHSQIDKAEVSI GAKLP
SEYGVIPFESFTLMKVQLEMGLTRHPEEKVPRKDKRDELVEVIEAGLEV INNPDEDDEQEDEEGPLGK

>gi|52545656|emb|CAB99097.2| calcineurin binding protein 1 [Homo sapiens]
MRRRRRGIWRI PVDEIDRPGSFAWHMNRIVLLLKVLALQLRDHSTLLKVSSMLQRTPDQGGKYLRDADR
QVLAQRAFILTVKLEDLSELAEGSERPGPKVCGLPGARMTTDVSHKASPEDGQEGLPQPKPPLADGS
GPGPEPGKVGLLNHRPVAMDAGDSADQSGERKD KESPRAGPTPEMDTSEATVCHSDLERTPPLLPGRFA

>gi|21617878|gb|AAL85487.2| zinc finger 298 [Homo sapiens]
MRRRRPPASGAAGFPERIATRS DPDIPLCTFQRQPRAPVQPPCRLFFVT FAGCGHRWRSESKPGWISRS
RSGIALRAARPPGSSPPRPAAPRPPPGGVVAEAPGDVVI PRPRVQPMRVARGGPWTPNPAFREAESWSQ
IGNQRVSEQLLETS LGNEVSDTEPLSPASAGLRRNPALPPGPFQNF SWGNQENLPPALGKIANGGGTGA

>gi|21619719|gb|AAH32640.1| MYST histone acetyltransferase 2 [Homo sapiens]
MPRRKRNAGSSSDGTEGDFSTLEHTDSSSEDTGTSRRSARVTRSSARLSQSSQDSSPVRNLQSFQTEEP
AYSTRRVTRSQQPTPVTFKKYPLRQTRSSGSETEQVVDFSDRETAKNTADHDESPPTPTGNAPSSSESDI
DISSPNVSHDESIAKMSLKDSDLSHRPKRRRFHESYNFMKCPPTPGCNSLGHILTGHKHERHFSISGCP

>gi|30354480|gb|AAH52282.1| Zinc finger protein 513 [Homo sapiens]
MPRRKQSHFPVKCEGVKVDTEDSLDEGPGALVLES DLLLGQDLEFEHEEEEEEGDGNSDQLMGFERDSE
GDSLGLARPGLPYGLSDDES GGGALSAESEVEEPARGPGEARGERPGPACQLCGGPTGEGPCCGAGGPGG
GPLLPPRLLYSCLRCTFVSHYSSHLKRHMQTHSGEKPFRCGRCPYASACLVLNLTRHTRHTTGEKPYRCFH

>gi|37573995|gb|AAH58831.1| Von Hippel-Lindau tumor suppressor [Homo sapiens]
MPRAENWDEAEVGAEEAGVEEYGPEDDGGEEESGAEESGPEESGPEELGAEEMEAGRPRVLRVSVNSRE
PSQVIFCNRSPRVVLPVWLNFDGEPQPYPTLPGTGRRRISYRVYTLKERCLQVVRSLVKPENYRRLDIV
RSLYEDLEHDPNVQKDLERLTQERIAHQRMGD

>gi|109658602|gb|AAI17408.1| ZNF827 protein [Homo sapiens]
MPRRKQEQPKRPLSHVSRQEEAEGLSEGEHWHYGNSSETPSEASYGEVQENYKLSLEDRIQEQTSPDTS
LGSTTPSSHTLLELVALDSEVLRLDSLQCQDHLSPGVSSLCDDDPGSNKPLSSNLRLLEAGSLKLDAAATA
NGRVESPVNVGNSLFSFPPSHHAQQLSVLARKLAEKQEQNDQYTPSNRFIWNQGWLPNSTTTCSLSPDS

>gi|21320090|gb|AAM44451.1| p53-activated protein-2 [Homo sapiens]
MPRRSPVPPRAPSRSRGRKRDSCQRRRSARNASQRMARQRRMAHLQPPAGASPPAWAGRRRGTRQLRSLQ
RQTGRQPVRVQLAPPAPLFPNPQNCRRKTRSRPRMELPGPPRNLAQKSSIRRLFPRKGSWANHHC
PRWHGKRQGLWSSGVACFRVGP RRKH

>gi|38174502|gb|AAH60779.1| Cytochrome b5 domain containing 1 [Homo sapiens]
MPRRGLVAGPDLEYFQRRYFTPAEVAQHNRPEDLWVSYLGRVYDLTSLAQEYKGNLLKPIVEVAGQDIS
HWRDPKTRDIRKHIDPLTGCLRYCTPRGRFVHVPPQLPCSDWANDFGKFWWQGSYYEVGRLSAKTRSI
INTLTSQEHTLEVGVLES IWEILHRYLPHYNASHAASYTWKYEGKNLNMDFTLLENGIRDEEEEFDYLSMDG

>gi|112818466|gb|AAI22528.1| Progesterone and adipoQ receptor family member IX [Homo sapiens]
MPRRLQPRGAGTKGPPAPAPAASGAARNSSAASRDPPASAKPLLRWDEVDPDFVECFILSGYRRLPCTA
QECLASVLKPTNETLNFWTFHIFPLLLFLSKFCRLFFLSGGDVPFHHPWLLPLWCYASGVLLTFAMSC
TAHVFSCLSLRLRAAFYLDYASISYVGGSTVAYYYYYLLPGLSLLDARVMTPYLQQLRWLVHVDCTRLIAAYR

>gi|12652549|gb|AAH00014.1| PCYOX1L protein [Homo sapiens]
MPRRAKSVREGRAVVGAGIGGSAVAHFLQOHFGPRVQIDVYEKGTVGGRLATISVNKQHYESGAASFHSL
SLHMQDFVKLLGLRHRREVVGSAIFGGEHFMLEETDWYLLNLFRLLWWHYGISFLRLQMWVEEVMK
FMSYQSAAMPFAFAGAMSLAQAQGLSWSVEGGNKLVCSGLLKLTKANVIHATVTSVTLHSTEGKALYQVAYEN

>gi|55859678|emb|CAI10875.1| NIMA (never in mitosis gene a)-related kinase 6 [Homo sapiens]
MPRREVCWEAAHFRQEEQSLPRPRVRLVRLACRMAGQPGHMPHGSSNNLCHTLGVPVHPPDPQRHPNTL
SFRCSLADFQIEKKIGRQGFSEVYKATCLLDRKTVALKKVQIFEMMDAKARQDCVKEIGLLKQLNHPNII
KYLDSFIEDNELNIVLELADAGDLSQMIKYFKKQKRLIPERTVWKYFVQLCSAV

MSAKR

>gi|56205624|emb|CAI23537.1| chromosome 1 open reading frame 49 [Homo sapiens]
MSAKRAELKKTLSKKNYKAVCLELKPPTKTFDYKAVKQEGRTKAGVTQDLKNELELVREELKEKMEEI
KQIKDLMDKDFDLHEFVEIMKEMQKDMDEKMDILINTQKNYKPLRRAPKEQQLRLMGKTHREPQLRP
KKMDGASGVNAPCALHKKTMAPQKTKQGS LDP LHHCGTCCEKCLLCAKNNYNRGNI PSEASGLYKGG
EPVTTQPSVGHAVPAPKSQTEGR

MSPRR

>gi|37181574|gb|AAQ88596.1| SPRR1965 [Homo sapiens]
MSPRRTLPRPLSLCLSLCLCLAAALGSAQSGSCRDKKCKVVFSSQQLRKRLTPLQYHVTVQEKGTESA
FEGEYTHHKDPGIYKCVCGTPLFKSETKFDGSGGWPSFHDVINSEAITFTDDFSYGMHRVETSCSQCGA
HLGHI FDDGPRPTGKRYCINSAALSFTPADSSGTAEGGSGVASPAQADKAEL

MSQKR

>gi|49168640|emb|CAG38815.1| ENSA [Homo sapiens]
MSQKREENPAEETGEEKQDTQEKEGILPERAEAKLKAKYPSLGQKPGGSDFLMKRLQKQKYFDSGDY
NMAKAKMKNQQLPSAGPDKNLVTDHIIPTPQDLQQRKSSLVTSKLAGGQVE

>gi|23468338|gb|AAH38415.1| Testis specific, 13 [Homo sapiens]
MSQKRQTKFQNGSKTSENSAKREKGMVNSKEISDAVGQSKFVLENLRHYTVHPNLAQYKPLKATAL
QKFLAQNRKNTSFMKVYDQDKTLLIMTNPPPCSITQQDKESASKYFSKELLLKVMESHQHKPTEN
LWLPRMPQKKLRSKLPKIFPLILSDDPTSKREQWFRFSTDNDFKSEKYSKYVALRTQKKMYPQLTFAP

MGNK

>gi|54696786|gb|AAV38765.1| DNA-dependent protein kinase catalytic subunit-interacting protein 2 [Homo sapiens]
MGNKQTIPTFEEQLDNYQDCTFFNKKDILKLHSRIFYELAPNLVPM DYRKSPIVHVPM SLIIQMPELRENPF
KERIVAAAFSEEDGEGLNFNFDFVDMFVSLCESAPRELKANYAFKIYDFNTDNFICKEDLELTLARLTKSEL
DEEKVVLCNKVIEEADLDGDGKLGFADEFEDMIAKAPDFLSTFHIRI

>gi|109731327|gb|AAI13592.1| Calcium and integrin binding family member 3 [Homo sapiens]
MGNKQTVTFTEQLLEAYQDCTFFTRKEIMRLFYRYQDLAPQLVPLDYTTCPDVKVVPYELIGSMPELKDNP
RQRIAQVFSSEDDGHMTLDNFDMFVSMSEMAPRDLKAYYAFKIYDFNNDYICAWDLEQTVTKLTRGEL
SAEEVSLVCEKVLDEADGDHGRSLSEDFQNMILRAPDFLSTFHIRI

MSNKR

>gi|71681732|gb|AAI00979.1| RHBDL3 protein [Homo sapiens]
MSNKRNSNSFRQAILQGNRRLSSKALLEEKGLSLSQLRIRHVAYETLPREIDRKWYYSYTCPPFPWFMIT
VTLLLEVAFFLYNGVSLGGFVQLQVTHPRYLKNSLVYHPQLRAQVWRYLYTFMHAGIEHLGLNVVLQLLVG
VPLEMVHAGTRIGLVYVAGVAVAGSLAVSVADMTAPVVGSSGGVYALVSAHLANIVMNWSGMKQCFKLLRM

MPK

>gi|49457240|emb|CAG46919.1| HMG2 [Homo sapiens]
MPKRKAEGDAKGDKAKVDEPQRRSARLSAKPAPPKPEPKKAPAKKGEKVPGKKGKADAGKEGNNPA
ENGDAKTDQAQKAEGAGDAK

>gi|48145919|emb|CAG33182.1| ATOX1 [Homo sapiens]
MPKHEFSVDMTCGGCAEAVSRVLNKLGGVGYDIDLPNKKVCIESEHSMDTLLATLKKTKGTVSYLGLD

>gi|48145921|emb|CAG33183.1| PC4 [Homo sapiens]
MPKSKELVSSSSSGSDSDSEVDKKLKRKKQVAPEKPVKKQKTGETSRALSSSKQSSSSRDNDNFQIGKMR
YVSVRDFKGVKVLIDIREYWMDEPEGEMKPRKGI SLNPEQWSQLKEQISDIDDAVRKL

>gi|48146019|emb|CAG33232.1| G10 [Homo sapiens]
MPKVKRSRKAAPPDGWELIEPTLDELQKMR EAETEPHEGKRKVESLWPIFRHHQKTRYIFDLFYKRKAI
SRELYEYCIKEGYADKNL IAKWKKQGYENLCLLRICIQTRD TNFGTNCICRVPKSKLEVGRIIECTHCGR
GCSG

>gi|48146313|emb|CAG33379.1| B3GAT1 [Homo sapiens]
MPKRRDILAIVLIVLPWTLITVWHQSTLAPLLAVHKDEGSDPRRETPPGADPREYCTSDRDIVEVVRTE
YVYTRPPPWSDTLPTIHVVTPYSRPVQKAELTRMANTLLHVPNLHVLVVEDAPRRTPLTARLLRDTGLN
YTHLHVETPRNYKLRGDARDPRI PRGTMQRNLALRWLRETFPRNSSQPGVVYFADDDNTYSLELFEEMRS

>gi|48146455|emb|CAG33450.1| HSPC111 [Homo sapiens]
MPKAKGKTRRQKFGYSVNRKRLNRNARRKAAPRIECSHIRHAWDHAKSVRQNLAEMLAVDPNRAVPLRK
RKVKAMEVDIEERPKELVKRPYVLDLEAEASLPEKKGNTLSRDLIDYVRYMVENHGEDYKAMARDEKNY
YQDTPKQIRSKINVYKRFYPAEWQDFDLSLQKRKMEVD

>gi|6094650|gb|AAF03506.1|AC004922_3 unknown [Homo sapiens]
MPKGGRGHGHKGRARQYTSPEEIDAQLQAEKQKAREEEEEQKEGGDGAAGDPKKEKKS LDSDESEDEEDDY
QQRRKGV EGLID IENPNRVAQTTKKV TQLDLGPKELSRREEEIEKQKAKERYMKMHLAGKTEQAKADL
ARLAIIRKQREEAARKKEERKAKDDATLSGKRMQSLSLNK

>gi|7717365|emb|CAB90453.1| human non histon chromosomal protein HMG14 [Homo sapiens]
MPKRKVS SAEGA AKEEPKRRSARLSAKPPAKVEAKPKAAAKDKSSDKKVQTKGKRGAKGKQAEVANQET
KEDLPAENGETKTEESPASDEAGEKEAKSD

>gi|11693450|emb|CAC18679.1| NOA36 protein [Homo sapiens]
MPKKTGARKKAENRREREKQLRASRSTIDLAKHPCNASMECDKQRRQKNRAFCYFCNSVQKLPICACQC
GKTKCMMKSSDCVIKHAGVYSTGLAMVGAICDFCEAWVCHGRKCLSTHACACPLTDAECVCECERGVWDHG
GRIFSCSFCHNFLCEDDQFEHQASCQVLEAETFKCVSNCNRLGQHSCLRCKACFCDDHTRSKVFKQEKQKQ

>gi|36647|emb|CAA43925.1| ribosomal protein L7a [Homo sapiens]
MPKGGKAKGKVVAPAPAVVKKQEAKKVVNPLFEKRPKNFGIGQDIQPKRDLTRFVKWPRYIIRLQRQRAIL
YKRLKVPAINQFTQALDRQTATQLLKLAKHYRPETKQEKQRL LARAEKKAAGKGDVPTKRPVLRAGV
NTVTTLVENKKAQLLVIAHDVDP IELVVFLPALCRKMGPVYCI IKGKARLGRLVHRKTCTTVAFTQVNSE

>gi|32022|emb|CAA46925.1| AP endonuclease 1 [Homo sapiens]
MPKRGKGA VAEDGDEL RTEPEAKSKTAAKNDKEAAGEGPALYEDPPDQKTSPSGK PATLKICSWNVD
GLRAWIKKGLDWVKEEAPDILCLQETKCSENKLP AELQELPGLSHQYWSAPSDEKGYSGVGLLSRQCPL
KVSYGIGDEEHDQEGRVI AEFDSFVLTAYV PNA GRGLVRLEYRQRWDEAFRKF LKGLASRKLPLVLCGD

>gi|57161864|emb|CAE12159.1| very long-chain acyl-CoA synthetase homologue 3 [Homo sapiens]
MPKPPKPRNNLEDRHNPGIQGRREHRPFGFRVRAASSPGGSAPRAERRLWEGEWESGAAPHPHSSRVSAL
RPCGVVGAWVGMGVCQRTRAPWKEKSQLERAALGFRKGGSGMFASGWNQTVPIEEAGSMAALLLPLLLL
LPLLLLMLHLWPLRWRPADLAFVRAALCCKRALRARALAAAAADPEGFEGGCSLAWRLAELAQQRAAHT

>gi|30582579|gb|AAP35516.1| proprotein convertase subtilisin/kexin type 7 [Homo sapiens]
MPKGRQKVPHLDAFLGLPTCLWLELAGLFLVWPVMGLAGTGGPDGQGTGGPSWAVHLESLEGDGEETL
EQQADALAAQAAGLVNAGRIGELQGHYLFVQVAGHRPALEVEAIRQQVEAVLAGHEAVRWSEQRLLRRAK
RSVHFNDPKYPQQWHLNRRSPGRDINVTGVWERNVTGRGVTVVVDDGVEHTIQDIAPNYSPEGSYDLN

>gi|30582967|gb|AAP35727.1| eukaryotic translation initiation factor 1A [Homo sapiens]
MPKNKKGKGNRRRGKNESEKRELVFKEDGQYEAQVIKMLGNRLEAMCFDGVKRLCHIRGKLRKKVW
INTSDIILVGLRDYQDNKADVILKYNADARSLLKAYGELPEHAKINETDTFGPGDDDEIQFDDIGDDDED
IDDI

>gi|30583083|gb|AAP35786.1| FK506 binding protein 7 [Homo sapiens]
MPKTMHFLFRFVFFYLVGLFTAQRQKKEESTEEVKIEVLHRPENCSKTSKKGDLLNAHYDGYLAKDGSK
FYCSRTQNEGHPKWFLVGVQVIKGLDIAMTDMCPGKEKRKVVIPPSFAYGKEGYAEGKIPPDATLIFEIE
LYAVTKGPRSIEFTFKQIDMDNDRQLSKAEINLYLQREFEKDEKPRDKSYQDAVLEDFKKNHDHGDGDFIS

>gi|30583201|gb|AAP35845.1| cysteine-rich protein 1 (intestinal) [Homo sapiens]
MPKCPKCNKEVYFAERVTSLGKDWHRPCLKCEKCGKTLTSGGHAHEGKPYCNHPCYAAAMFGPKGFGRRG
AESHTFK

>gi|30583429|gb|AAP35959.1| zinc finger protein 339 [Homo sapiens]
MPKVFLVKRRSLGVSVRSWDELPEKCRADTYIPVGLGRLLHDPEDCRSDGGSSSGSGSSSAGEPGGAES
SSSPHAPESETPEPDAEGPDGHLATKQRPVARSKIKFTTGTCSDSVHSCDLCGKGFRLQRMLNRHLKC
HNQVQRHLCTFCGKGFNDTDFLKRHVTRHTGIRPYKCNVCNKAFQTQCSLESHLKKIHGVQQQYAYKQRR

>gi|56204187|emb|CAI18832.1| solute carrier family 6, member 17 [Homo sapiens]
MPKNSKVTQREHSEHVTVESVADLLALEEPVDYKQSVLNVAGEAGGKQKAVEEELDAEDRPAWNSKLQYI
LAQIGFSVGLGNIWRFPYLCQKNGGAYLVPLYVLLIIIGIPLFFLELAVGQRIIRGSGVWHYICPRLG
GIGFSSCIVCLFVGLYINVIIGWSIFYFFKSFQYPLWSECPVVRNGSVAVVEAECEKSSATYFYWYREA

>gi|56204352|emb|CAI20350.1| small nuclear ribonucleoprotein polypeptide C [Homo sapiens]
MPKFYCDYCDTYLTHDSPSVRKTHCSGRKHKENVKDYQKWMEEQAQSLIDKTTAAQQGKIPPTPFSAP
PPAGAMIPPPSLPGPPRPGMMPAPHMGGPPMMPMMPGGPPMMPVGPAPGMRPPMGGHMPMMPGPPMMP
PPARPMMPVTRPGRMTRPDR

>gi|56417845|emb|CAI22233.1| mRNA turnover 4 homolog (S. cerevisiae) [Homo sapiens]
MPKSKRDKKVSLSLTKTAKGLELQNLIEELRKCVDTYKYLFIFSVANMRNSKLDIRNAWKHSRMFFGKN
KVMVALGRSPSEYKDNLHVQSKRLRGEVGLFTNRTKEEVNEWFTKYTEMFYARAGNKAFTVSLDFG
PLEQFPHSMEPQLRQLGLPTALKRGVVTLSDYEVCKEGDVLTPEQARVLKLFGEYMAEFKVTIKYMWDS

>gi|56203523|emb|CAI18951.1| breast cancer anti-estrogen resistance 3 [Homo sapiens]
MPKECSAFHALSAAALCCFYHRKFSFIGVFKSKERHIMDRTPPEKLKKELEEEELLSSSEDLRSHAWYHGRIPR
QVSENLVQRDGDFLVRDSLSPGNFVLTQWKNLAQHFKINRTVLRLESEAYSRVQYQFEMESFDSIPGLV
RCYVGNRRPISQSGAIFQPINRTVPLRCLLEHYGTSFGQAREGSLTKGRPDVAKRSLTMGGVQAREQ

>gi|38708276|gb|AAR27293.1| NO52 protein; hsNO52 [Homo sapiens]
MPKAKPTGSGKEEGPAPCKQMKLEAAGGPSALNFDSPSSLFESLISPIKTEFFKEFWEQKPLLIQRDD
PALATYYGSLFKLTDKLSLCSRGMYYGRDVNVCRCVNGKKVNLKDGKAHFLQLRKFDFQKRATIQFHQP
QRFKDELWRIQEKLECYFGLSVGSNVYITPAGSQGLPPHYDDVEVFILQLEGEKHWRLYHPTVFLAREYS

>gi|46362467|gb|AAH69013.1| ANKRD11 protein [Homo sapiens]
MPKGGCPKAPQQEELPLSSDMVEKQTKGKDKDVSLTKTPKLERGDGKKEVREERASKRKLPTTAGANGEQ
KDSDEKQGPERRKRIKKEPVTRKAGLLFGMGLSGIRAGYPLSERQQVALLMQMTAEEANSVPDTPPKHP
SQSTVQCQKGTPNASAKTKDKVNRNERGETRLHRAAIRGDARRIKELISEGADVNVKDFAGWTALHEACN

>gi|47123440|gb|AAH70234.1| ANKRD12 protein [Homo sapiens]
MPKSGFTKPIQSENSDSDSNMVEKPYGRKSKDKIASYSKTPKTIERSDVSKEKESMSMKRKLPTTISPSR
NEERDSDTEKEGPEKKTKEAGNKKSTPVSILFGYPLSERQKQALLMQMTARDNSPDSTPNHPSQTPPA
QKKTSSSSSRQDKVKNRNERGETPLHMAAIRGDVVKQVKELISLGNANVVKDFAGWTPLEACNVGYDV

>gi|54696640|gb|AAV38692.1| interferon-related developmental regulator 1 [Homo sapiens]
MPKNKKRNTPHRGSAGGGGSGAAAATAATAGGQHRNVQPFSDAS IETMSHCSGYSDDPSSFAEDGPEV
LDEEGTQEDLEYKLGKLDLTLDKSAKTRQAALEGIKNALASKMLYEFILERRMTLTDSEIRCLKKGKSD
EQRAAAAALASVLCIQLGPIESEIEILKTLGPIKIIICDGSASMQRQTTCATCFGVCCFIATDDITELYS

>gi|40795897|gb|AAR91619.1| hornerin precursor [Homo sapiens]
MPKLLQGVTVIDVVFYQYATQHGEYDTLNKAELKELLENEFHQILKNPNPDPDVTDIILQSLDRDHNNKVD
LHPSLYFDAGEIQAMRQSRASHLHLFRAIRSAVTVMLSNPTYLPPPKHADFAAKWNEIYGNLPLPLAL
SRNVRGSLKPGTESISRRLSFRQDFSGQHNSYSGQSSSYGEQNSDSHQSSGRGQCGSGSGQSPNYGQHGS

>gi|62702307|gb|AA93231.1| cytochrome c oxidase assembly factor 5 [Homo sapiens]
MPKYEDKPGGACAGLKDGLACLLQSDCVVQEGKSPRQCLKEGYCNLSKYAFFECKRSVLDNRARFRG
RKGY

>gi|23451958|gb|AAN32895.1| NCAG1 [Homo sapiens]
MPKGGAPPWIMALMFTGHLFLALLMFAFSTFEESVSNYSEWAVFTDDIDQFKTQKVQDFRPNQKLLKSM
LHPSLYFDAGEIQAMRQSRASHLHLFRAIRSAVTVMLSNPTYLPPPKHADFAAKWNEIYGNLPLPLAL
YCLLCPEDKVAFEFVLEYMDRMVGYKDWLVENAPGDEVFIGHSLTGFATAFDFLYNLLDNHRRQKYLEKI

>gi|7023440|dbj|BAA91964.1| proline rich 11 [Homo sapiens]
MPKFKQRRRKLKAKAERLFKKEASHFQSKLITPPPPPPSPERVGISSIDISQSRSWLTSSWNFNFPNIR
DAIKLWTRVWSIYSWCQNCITQSLVLDKTIFFPSRICHRELYSVKQQFCILESKLCKLQEAALKTISESS
SCPSCGQTCHMSGKLTNPVACVLITPGDSKAVLPPTLQPASHFPPPPPPPLPPPPPLAPVLLRKPSL

>gi|10434488|dbj|BAB14274.1| sodium-dependent neutral amino acid transporter B(0)AT2 isoform 2
[Homo sapiens]
MPKNSKVVKRELDVDESVDKLLSNEDAADDAFKTSELIVDQGEKDTDVEEGSEVEDERPAWNSKLQY
ILAQVGFVGLGNVWRFPYLCQKNGGGAYLLPYLILLMVGIPLFFLELSVQRIIRRSIGVWNYISPVL
GGIGFASCVVCFVALYVNIIVIGWSLFYFSQSFQQPLPWCPLVKNASHTFVEPECEQSSATYYWYRE

>gi|34783430|gb|AAH32424.1| NOP16 protein [Homo sapiens]
MPKAKGTRRQKFGYSVNRKRLNRNARRKAAPRIECSHIRHAWDHAKSVRQNLAEMLAVDPNRAVPLRK
RKVKAMEVDIEERPKELVRKPYVLDLAEASLPEKKGNTLSRDLIDYVRYMVENHGEDYKQSGKTSIL
CRRGRWRWSDFWTSQLPQAEASPGPVKLEPGCKARRCCVAPEELARSHGIRRLHHTVHTPRSGEGTVLRG

>gi|16877478|gb|AAH16987.1| biorientation of chromosomes in cell division 1-like [Homo sapiens]
MPKRRKQHYLSSEDEPDNDVLDLSDRIETAQRQCPETEPHDTEENSRDLEELPKTSSETNSTTSRVME
EKDEYSSSETTGKPEQNDDDTIKSQEEDQPIIKRKRGRPRKYPVETTLKMKDSDKTDGTIVTVEQSPS
SSKLVKMTDESNETANLQERSISNDGEEKIVTSVRRRGRKPKRSLTVSDDAESSEPERKQKSVSDP

>gi|74353578|gb|AAI01941.1| OGFOD2 protein [Homo sapiens]
MPKGRPNMTMNYGVLLHLEGLDEPLMTPLRERFLQPLMALLYPDCGGGRDLSHRAVVKYAPGQDLELGC
HYDNAELTLNVALGKVFYGGALYFGGLFQAPTALTEPLEVEHVVGQVLRHGGQLHGARPLGTGERWNLV
VWLRASVTRNSLCPMCCREPDLDVDEGFGDGFREEPATVDVCALT

>gi|20380886|gb|AAH28127.1| Chromosome 10 open reading frame 53 [Homo sapiens]
MPKNAVILRYGPYSAAGLPEVHHTFRLQGLQAVLAIDGHEVILEKIEDWNVVELMVNEEVIFHCNIKDL
EFGKLTSSDKRRTSSSRLTFHQQLSSPCGMKVSPLQQFPQKTQDLTICIVLAQIGSCIHFQTNLCDLWFG
LDHMLISGLEKRGTPY

>gi|15530243|gb|AAH13903.1| Ezrin [Homo sapiens]
MPKPINVRVTMDAELEFAIQNTTGKQLFDQVVKTIGLREVWYFGLHYVDNKGFPPTWLKLDKKSVAQEV
RKENLQFKFRAKFPYEDVAEELIQDITQKLFQVKEGILSDEIYCPPEAVLLGSYAVQAKFGDYNKE
VHKSGLYSERLIPQRVMDQHKLRDQWEDRIQVWHAHEHRGMLKDNAMLEYLKIAQDLEMYGINYFEIKN

>gi|23270689|gb|AAH23506.1| Chromosome X open reading frame 56 [Homo sapiens]
MPKVVSRSVVCSDTRDREYDDEGKPLHVYCYLQCGQMLVLDQLEKLPMPRPRDRSRVIDAAKHAKFCN
TEDEETMYLRRPEGIERQYRKKCAKCGLPLFYQSQPKNAPVTFIVDGAVVKFGQGFQGTNIYTKQEPK
KVMMTKRTKDMGKFSVTVSTIDEEEEIEAREVADSYAQNAAKVIKQLERKGMKRRRLQELAELEAKKA

>gi|15080135|gb|AAH11842.1| Chromosome 4 open reading frame 43 [Homo sapiens]
MPKAPKGSAGREKKVIHPYSRKAQAITREAHKQEKKEKLNKALRLNLVGEKQLQWFQNHLDPPKKRYS
KKDACELIBERYLNRFSSELEQIELHNSIRDRQRRHCSRETVIKQTMERERQQFEGYGLEIPDILNASNL
KTFREWDFDLKLPNIKMRKICANDAI PKTCRKTITVTDQDLGELELNDESSSDSDEEMTAVA

>gi|12654877|gb|AAH01282.1| High mobility group nucleosomal binding domain 4 [Homo sapiens]
MPKRRKAGDAKGDKAVKDEPQRRSARLSAKPAPPKPEPRPKASAKKGEKLPKGRKADAGKDGNNFA
KNRDASTLQSQKAEGTGDAK

>gi|12804987|gb|AAH01947.1| CD2 (cytoplasmic tail) binding protein 2 [Homo sapiens]
MPKRVTFQGVGDEDEDEIIVPKKKLVDPVAGSGGPGSRFKGKHSLSDEEEDDDGGSSKYDILASED
VEGQEAATLPSGEGVRI TPFNLQEEEMEGHFADAGNYFLNRDAQIRDSWLDNIDWVKIRERPPGQRQASD
SEEDSLGQTSMSAQAALLEGLLELLLPRETAVAGALRRLGARGGGKGRKGGPQSPSPQRLDRLSGLADQMV

MAPK

>gi|49456869|emb|CAG46755.1| MYL2 [Homo sapiens]
MAPKKAKKRAGGANSNVFSMFEQTQIQEFKEAFTIMDQNRDGFIDKNDLRDTFAALGRVNVKNEEIDEMI
KEAPGPINFVFLTMFGEKLGADPEETILNAFKVFDPEGKGVLKADYVREMLTTQAERFSKEEVDQMFA
AFPPDVTGNLDYKNLVHIIITHGEEKD

>gi|48145647|emb|CAG33046.1| TOMM34 [Homo sapiens]
MAPKFPDSVEELRAAGNESFRNGQYAEASALYGRALRVLQAQSSDPEEESVLYSNRAACHLKDGNCRDC
IKDCTALALVPFSIKPLLRASAYEALEKYPAYVDYKTVLQIDDNVTSAVEGINRMTRALMDSLGPPEW
RLKLPSPILPVPVSAQKRWNLSLPSENHKEMAKSKSKETTATKNRVPSAGDVEKARVLKEEGNELVKKGNHK
>gi|48145855|emb|CAG33150.1| MYL1 [Homo sapiens]
MAPKKDVKKPVAAAAAPAPAPAPAPAPAPAKPKEEKIDLSAIKIEFSKEQQDEFKEAFLFDRTGDSKI
TLSQVGDVLRALGTNPTNAEVRKVLGNPSNEELNAKKIEFEQFLPMMQAI SNKDDQATYEDFVEGLRVFD
KEGNGTVMGAELRHVLA TLGKMKEEVEALMAGQEDSNGCINYEAFVKHIMS I

>gi|48146043|emb|CAG33244.1| HUMMLC2B [Homo sapiens]
MAPKRAKRRRTVEGGSSVFSMFDQTQIQEFKEAFTVIDQNRDGIIDKEDLRDTFAAMGRNLNVKNEELDAM
MKEASGPINFVFLTMFGEKLGADPEDVITGAFKVLDPGKGTIKKKFLEELLTTQCDRFSQEEIKNMW
AAFPPDVGGNVYKNICYVITHGDAKDQD

>gi|34678|emb|CAA36256.1| myosin light chain 1 [Homo sapiens]
MAPKKPEPKKEAAKPMNVKMLDFETFLPILAPAPAPAPAPAPAQHISRNKEQGTYEDFPEAPKEPAFD
PKSVKVEGLRVFVFKNSVTVIDFTADQIEEFKEAFMGAE LRHVLA TLGKESLFDRTPTGEMKITIYMT EAE
VEQLLAGQEDGQCGDVLRALGQNPTANGCINYEAFVKHIMNAEVLRLVGLKPKPEESG

>gi|31442110|emb|CAA40761.1| myosin light chain 2 [Homo sapiens]
MAPKKAKKRAGGANSNVFSMFEQTQIQEFKEAFTIMDQNRDGFIDKNDLRDTFAALRVNVKNEEIDEMIK
EAPGPINFVFLTMFGEKLGADPEETILNAFKVFDPEGKGVLKADYVREMLTTQAERFSKEEVDQMFAA
FPDVTGNLDYKNLVHIIITHGEEKD

>gi|28170654|emb|CAD62165.1| NADH-ubiquinone oxidoreductase subunit B14.7 [Homo sapiens]
MAPKVFRQYWDIPDGTDCRKAYSTTISAVAGLTAAYRVTLNPPGTFLEGVAKVGQYFTTAAAVGAVF
GLTTCISAHVREKPDPLNYFLGGCAGGLTLGARTHNYGIGAAACVYFGIAASLVKMRLEGWEVFAKPK
V

>gi|30582177|gb|AAP35315.1| signal sequence receptor, gamma (translocon-associated protein gamma) [Homo sapiens]
MAPKGSQKQSEEDLLQDFSRNLSAKSSALFFGNAFIVSAIPIWLYWRIWHMDLIQSAVLYSVMTLVST
YLVAFAFKNVKVFV LKHKVAQKREDAVSKEVTRKLS EADNRKMSRKEKDERILWKKNEVADYEATTF SIFY
NNTLFLVVIVASFFILKNFNPTVNYILSISASSGLIALLSTGSK

>gi|30583117|gb|AAP35803.1| damage-specific DNA binding protein 2, 48kDa [Homo sapiens]
MAPKKRPETQKTSEIVLPRNKRSRSPLELEPEAKKLCAGSGPSRRCDSDCLWVGLAGPQILPPCRSIV
RTLHQHKLGRASWPSVQQLQSSFLHTLDSYRILQKAAFFDRRATSLAWHPHPSTVAVGSKGGDIMLWN
FGIKDKPTFIKIGAGGSITGLKFNPLTNQFYASSMEGTTRLQDFKGNILRVFASSDTINIWFCSLDVS

>gi|45479702|gb|AAS66753.1| sperm-associated antigen 17 [Homo sapiens]
MAPKKEKGGTVNTSSKIWEPSLIAAQFNQNDWQASIAFVVGNIQIEDLLIQALTVAVQVPQRKLFMSVSW
QDILQQINEINTLVGSASSKAKKPVGNAPLYEVLTAAKAIMDSGEKLTLP LIGKLLKFQLLQIKFKD
QQRRENEKKVIEDKPKLEKDKGAKSPKEKKAPSAPKPAKGGKQPEANAPVKKTTLQKRRGEDDHTNRY

>gi|57546150|gb|AAW51946.1| chemokine-like factor super family 2 transcript variant 2 [Homo sapiens]
MAPKAAKGAKEPAPAPPPGAKPEEDKDKGKPEPSDKPQKAVQDHKEPSDKPQKAVQPKHEVGTTRGCR
YRWELKDSNKEFWLLGHAEIKIRSLDLFNDLIACAFLVGAVVFAVRSRRSMNLHYLLAVILIGAAGVFAF
IDVCLQRNHFGRGKAKKHMVLPVPGKEKGPQQKGPPEAKPPEPGKPPGPAKGGK

>gi|22653407|gb|AAN04045.1| isoform TCP11d [Homo sapiens]
MAPKGI LGSFPTAMNLSLEGKVKETVHNAFWHDLKEQLSATPPDFSCALELLKEIKEILLSLLPRQNRL
RIEIEEALDMDLLKQEAHEGALKVLYLSKYV LNMALLCAPVRDEAVQKLENI TDPVWLLRGI FQVLGRM
KMDMVNYTIQSLQPHLQEHSIQYERAKQELLNKQPSLLNHTTKWLTQAAGDLTMSPTCPDTS DSSSVA

>gi|15680215|gb|AAH14459.1| Ribosomal protein L23a [Homo sapiens]
MAPKAKKEAPAPPKAEAKAKALKAKKAVLKGVHSHKKKIRTSPTFRPKTLRLRRQPKYPRKSAPRRNK
LDHYAIIKFLPTTESAMKKIEDNNTLVFIVDVKANKHQIKQAVKKLYDIDVAKVNTLIRPDGEKKAYVRL
APDYDALDVANKIGII

>gi|18605583|gb|AAH22845.1| Mortality factor 4 like 1 [Homo sapiens]
MAPKQDPKPKFQEGERVLCFHGPLLYEAKCVKVAIKDKQVKYFIHYSGWNKNWDEWVPESRVLKYVDTNL
QKQRELQKANQEYAEAGKMRGAAPGKKTSGLQKQKNEVKTCKNKQKTPGNGDGGSTSETPQPFRKKRARV
DPTVENEETFMRNVEVKVIPEELKPLWVDDWDLITRQKQLFYLPAAKKNVDSILEDYANYKKSRRGNTDNK

>gi|6116899|dbj|BAA85771.1| peptidylarginine deiminase type I [Homo sapiens]
MAPKRVVQLSLKMPHAKVAVCVVGEAHVDIHSVDPKGANFRVSGSSGVVEFMVYNRTRVKEPIGKARWPL
DTPDADMVVSVTASKELKDFKVRVSYFGEQEDQALGRSVLYLTGVDSILEVDTGRTGKVKRSQGDKKTWR
WGPEGYGAILLVNCDRDNHRSAPFDLTHSWLMSLADLQDMSPLLSCNGPDKLFDSSHKLVLNVFFSDSKR

>gi|3818467|gb|AAC69518.1| growth arrest-specific protein 8 [Homo sapiens]
MAPKKKGGKKGAKGTPIVDGLAPEDMSKEQVEEHVSRIREELDREREERNYFQLERDKIHTFWEITRRQL
EEKKAELRNKDREMEEAERHQVEIKVKYKQVKHLLYEHQNNLTEMKAEGTVVMKLAQKEHRIQESVLRK
DMRALKVELKEQELASEVAVVKNLRLKHTTEITRMRNDFERQVREIEAKYDKMKMLRDELDRRKTTELHE

>gi|4808552|gb|AAD29855.1|AF083068_1 NAD+ ADP-ribosyltransferase 3 [Homo sapiens]
]
MAPKPKPWVQTEGPEKKKGRQAGREEDPFRSTAEALKAIPAEKRIIRVDPTCPLSSNPQTQVYEDYNCTL
NQTNIENNNKFFYIIQLLQDSNRFFTCWNRWGRVGEVQSKINHFTRLEDAKDFEKKFREKTKNNWAER
DHFVSHPGKYTLLEVQAEDAQAQAVVVDRAVVRTVTKRVQPCSLDPATQKLIITNIFSKEMFKNTMALMD

>gi|9802370|gb|AAF99698.1| GABAA receptor gamma 3 subunit [Homo sapiens]
MAPKLLLLLCLFSGHLHARSRKVEEYEDSSSNQKWLAPKSDTDVTLILNKLLEVDKLRPDIGIKP
TVIDVDIYVNSIGPVSSINMEYQIDIFFAQWTDSRLRFNSTMKILTLNSNMVGLIWIPTDIIFRNSKTAE
AHWITTPNQLLRINWDGKILYTLRLTINAECQLQLHNFPMDEHSCPLIFSSYGYPKKEMIYRWKNSVEA

>gi|15787612|gb|AAL06239.1| testis development protein NYD-SP29 [Homo sapiens]
MAPKQKKKTSRGGKRLKPVLAASEDMEPVNMESMGHPPIYPLVLTTKTQEIFNCRIDEDVTDEQPYKLIN
KEDIFEDLRNRAAVSDFHPVKKIQEYPGNELLLVYDEDFKYGLNFYLIATEEGKENYLNPPVPEEQEE
YKEHIPEDVYIYKPPVSKPWSVLSGSEKIEEESVTESTKQITYMSRKRSEFGAPIKFSQDNASSVKDAY

>gi|68532502|gb|AAH96706.1| RPL23AP13 protein [Homo sapiens]
MAPKVKKEAPGPKAEAKAKALKAKKVVLVKGVHGKHKKIRMSPTFQRPKTLRLWRPPRYPRKTTPRNK
LDHYAIKIFPLTTEFAMKIKDNTLVFTVDVKANKHQIKQAVKKLCDIDGAKVNTLMER

>gi|55663124|emb|CAH71408.1| SET translocation (myeloid leukemia-associated) [Homo sapiens]
MAPKRQSPPLPPQKKKPRPPPALGPEETSASAGLPKKEKEQQAIEHIDEVQNEIDRLNEQASEEILKVE
QKYNKLRQFFQKRSELIKIPNFVVTFFVNHQVQSALLGEEDEEALHYLTRVEVTEFEDIKSGYRIDFY
FDENPYFENKVLKSEFHNLNESGDPSSKSTEIKWKSGLDLTKRSSQTQNKASRRKQHEEPESFTWFTDHS

>gi|37182400|gb|AAQ89002.1| APKK229 [Homo sapiens]
MAPKKKSLRSLLLPLSLTLLLPQADTRSFVDRGHDRFLLDGAPFRYVSGSLHYFRVPRVLWADRLLKM
RWSGLNAIQFYVFNWYHEPQPGVYFNFGSRDLIAFLNEAALANLLVILRPGPYICAEMWEMGGLPSWLLRK
PEIHLRTPDPLAADVSWFKVLLPKIYFWLYHNGGNIISIQVENEYGSYRACDFSYMRHLAFLFRALLG

MGPK

>gi|5830357|emb|CAA73027.1| interferon-related IFRD2 (PC4-B) protein [Homo sapiens]
MGPKKSWRSHFFPLPEVWLLLLLSQALSFSHPQTQAGVGLVWSVPLPSALRSQSCLGAPLRDASELTTV
HLFPTRGWGARRALWVHSSASASSAASRRRLRAQASGISSFSLVDGGAPREDGGARGVWLPSSGQVSAQR
TGRRLVLGLEPTTGS�TPRPPRPVPGMPRARKNLTKRGGQRGGGARSSAQADSGSSDDEAASEARSTA

>gi|29861|emb|CAA38879.1| centromere autoantigen B (CENP-B) [Homo sapiens]
MGPKRRQLTFREKSRIIQEVEENPDLRKGIEIARRFNIPSTLSTILKNKRAILASERKYGVASTCRKTNK
LSPYDKLEGLLIAWFQQIRAAAGLPVKGIILKEKALRIAEELGDDFTASNGWLDLFRFRRHGVVSCSGVAR
ARARNAAPRTPAAPASPAAVPSSEGGSTTGWRAREEQPPSVAEGYASQDVFSATETSLSWYDFLPDQAAG

>gi|5456984|gb|AAD43733.1| protocadherin gamma C5 [Homo sapiens]
MGPKTLPLQAGKQVLCMLSLCCGWVSGQLRYSVVEESEPGTLVGNVAQDLGLKMTDLSRRLQLGSEE
NGRYFSLSLMSGALAVNQKIDRESLCGASTSCLLPVQVVTEHPLELIRVEVEILDNDNSPSFATPEREM
RISESAASGARFPLDSAQDPDVGNTVSVFYTLSPNSHFSLNKTLKDGKPFPELVLEQQLDREAQARHQL

>gi|13676362|gb|AAH06515.1| C6orf168 protein [Homo sapiens]
MGPKLSTLDATVFGHLAQMWTLPGTRPERLIKELINLAMYCERIRKRFWPEWHDDNTIYEESESE
GSKTHTPLLDLDFSYRTEFTEDEGAENSFSRTPDPTDFGHSLFSDSDVMDDDYTDHEQCK

>gi|37182788|gb|AAQ89194.1| livin inhibitor-of-apoptosis [Homo sapiens]
MGPKDSAKCLHRGFPQSHWAAGDGTQERCGRSLGSPVLGLDTCRAWDHVDGQILGQLRPLTEEEEEEG
AGATLSRGPAPFGMGSEELRLASFYDWPLTAEVPELLAAAGFFHTGHQDKVRCFFCYGGLQSWKRGDDP
WTEHAKWFPSCQFLLRSKGRDFVHSVQETHSQQLLGSWDFWEEPEDAAPVAPSVFASGYPELTPPREVQS

MPPK

>gi|2584787|emb|CAA65068.1| Aminopeptidase P-like X-prolyl aminopeptidase (aminopeptidase P) [Homo sapiens]

MPPKVTSELLRQLRQAMRNSEYVTEPIQAYIIPSGDAHQSEYIAPCDRRAFVSGFDGSAGTAITEEHA
AMWTDGRYFLQAAKQMDSNWTLMKMGLKDTPTQEDWLVSVLPEGSRVGVDPDIIPDYWKKMAKVLRSG
HHLIPVKENLVDKIWTDRPERPCKPLLTGLDYGISWKKVADLRRLKMAERNVMWFVVTALDEIAWLFN

>gi|48146139|emb|CAG33292.1| VAMP4 [Homo sapiens]

MPPKFKRHLNDDVDVTSVKSERNLLEDDSDDEEDFFLRGSPGPRFGPRNDKIKHVQNVQVEIDVMQEN
ITKVIERGERLDELQDKSESLDNATAFNSRSKQLRRQMWWRGCKIKAIMALVAAILLVVIILIVMKYR

>gi|24940374|emb|CAD54446.2| vaccinia-related kinase 2 [Homo sapiens]

MPPKRNEKYKLPFPFPEGKVLDDMEGNQWVLGKKIGSGGFGLIYLAFTNKPEKDARHVVKVEYQENGPL
FSELKFYQRVAKKDCIKKWIERNQLDYLGIPLFYGSGLTEFKGRSYRFMVMERLIGIDLQKISGQNGTFFKK
STVLQLGIRMLDVLEYIHENEYVHGDKAANLLLYGKNPDQVYLADYGLSYRYCPNGNHKQYQENPRKGH

>gi|55661102|emb|CAH70901.1| retinoblastoma 1 (including osteosarcoma) [Homo sapiens]

MPPKTPRKTAAATAAAAAEPPAPPPPPPEEDPEQDSGPEDLPLVRLEFEETEPEPDTALCQKLPDHFV
RERAWLTWEKVSSVDGLGGYIQKKKELWIGICIFIAAVDLDEMSFTTELQKNIEISVHKFFNLLKEIDT
STKVDNAMSRLKKYDVLFAFSLKERTCELIYLTQPSSSISTEINSALVLLKVSWITFLAKGEVLQMED

>gi|56204731|emb|CAI22352.1| thioredoxin interacting protein [Homo sapiens]

MPPKHSLSHRCLISVTASLMATRFSPFSGENEMVIMRPGNKYKFKGFELPQGGLGTSFKGKYGCVDYVW
KAFLLDRPSQPTQETKKNFEVVDLVDPDLMAFVSAKKEKVVSCMFI PDGRVSVSARIDRKGFCGEDEI
SIHADFENTCSRIVVPKAAIVARHTYLANGQTKVLTQKLSVVRGNHIIISGTCASWRGKSLRVQKIRPSIL

>gi|33337755|gb|AAQ13514.1| zinc finger CCCH-type containing 15 [Homo sapiens]

MPPKKQAQAGGSKKAEQKKKEKIIEDKTFGLNKKGAKQKFKI KAVTHQVFKGQONPRQVAQSEAEKLLK
KDDKKKELQELNELFKPVVAAQKISKGADPKSVVCAFFKQGGCTKGDKCKFSDTLERKCEKRSVYIDA
RDEELEKDTMDNWEKLEEVNKKHGEAEKKPKTKQIVCKHFLEAIENNKYGFVWVCPGGGIDICMYRHA

>gi|13436422|gb|AAH04986.1| Ribosomal protein S25 [Homo sapiens]

MPPKDDKKKKDAGKSAKKDKDPVNSGGKAKKKKWSKGVKRDKLNVLVDFDKATYDKLCKEVPNYKLITP
AVVSERLKIRGSLARAALQELLSKGLIKLVSKHRAQVIYTRNTKGGDAPAAGEDA

>gi|29791753|gb|AAH50644.1| Ribosomal protein L12 [Homo sapiens]

MPPKFDNEIKVYVLRCTGGEVGATSALAPKIGPLGLSPKKVGDIIAKATGDWKGRLITVKLTIQNRQAQ
IEVVPASALIIKALKEPPDRRKKQKNIKHSGNITFDEIVNIARQMRHRSLARELSGTIKEILGTAQSVG
CNVDGRPHDIIIDDINSGAVECPAS

>gi|5420453|dbj|BAA82320.1| parvulin [Homo sapiens]

MPPKKGSGSGKAGKGAASGSDSADKKAQGPKGGGNAVKVRHILCEKHGKIMEAMEKLSGMRFNVEAAQ
YSEDKARQGGDLGWMTRGSMVGPFEAAAFALPVS GMDKPVFTDPPVTKFGYHIIMVGRK

>gi|117558527|gb|AAI27120.1| XIRP1 protein [Homo sapiens]

MPPKKKQPLPPKPAHLTQSHPPQLPKPLPLSPFSSEVQREHQRGERTAIQPAPVPTTVDQGHIP
ARCPSGHSQPSLQHLSTAPRPTKNQATGSNAQSSEPPKLNALNHDP TSPQWGPSPGSEQPMEGSHQGA
PESPSDSLQRNQELQGLLNQVQALEKEAASSVDVQALRRLFEAVPQLGGAAPQAPAAHQKPEASVEQAFG

>gi|20810193|gb|AAH29376.1| Obg-like ATPase 1 [Homo sapiens]

MPPKGGDGIKPPPIIGRFGTSLKIGIVGLPNVGKSTFFNVL TNSQASAENFPFCTIDPNESRVPVDER
FDFLCQYHKPASKIPAFNLVVDIAGLVKGAHNGQGLGNAFLSHISACDGI FHLTRAFEDDDITHVEGSVD
PIRDIEIIEELQLKDEEMIGPIIDKLEKVAVRGGDKLKP EYDIMCKVKSVIDQKKPVRFYHDWNDKE

>gi|15214600|gb|AAH12425.1| Myosin, light chain 6B, alkali, smooth muscle and no n-muscle [Homo sapiens]

MPPKDKVPVKKPAGPSISKPAAPAAAGAPPAKTKAEPVAPQAPQKTQEPVVDLSKVVIEFNKDQLEEFK
EAFELFDRVGDGKILYSQCGDVMRALGQNP TNAEVLKVLGNPKSDELKSRVDFETFLPMLQAVAKNRGQ
GTYEDYLEGFRVDFKEGNKVMGAELRHVLTTLG EKMT EEEVETVLAGHEDSNGCINYEAF LKHILSV

MSPK

>gi|963060|emb|CAA46340.1| zinc-finger protein (ZNFp17) [Homo sapiens]

MSPKRDGLGTGDLGHSQVLQEQVSTGDNLHECDSQGP SKDTLVREGKTYKCKECSVFNKNSLLVRHQQI
HTGVKPYECQECGKAFPEKVDFVRHMRHTG EKPCCKVCEGKVFNRSHLLCYRQIHTG EKPYECSECGK
TFSYHSVFIQHRVTHTEKLF GCKE CGKTFY YNSL TRHMKIHTG EKPCCKSECGKTFYRSVFFRHSMT

>gi|5912556|emb|CAB56197.1| VCX-A protein [Homo sapiens]
MSPKPRASGPPAKATEAGKRKSSSQPSPSDPKPKTKTKVAKKGAARRRRGKGAATKMAAVTAPAEESG
PAAFGPSDQPSQELPPEEPVSEGTQHDPLSQESELEEPLSQESEVEEPLSQESEVVEEPLSQESEV
EEPLSQESEVEEPLSQESEVEEPLSQESEVEEPLSQESEMEELPSV

>gi|303620|dbj|BAA00469.1| RCC1 [Homo sapiens]
MSPKRIAKRRSPPADAIPKSKKVKVSHRSHSTEFGLVLTGLQGQDVQGLGLGENVMERKPPALVSIPEDVV
QAEAGMHTVCLSKSGQVYSGFCNDEGALGRDTSVEGSEMVPQKVELQEKVVQVSAGDSHTAALTDDGRV
FLWGSFRDNNNGVIGLLEPMKKSMVVPVQQLDVPVVKVASGNDDLMLTADGDLYTLGCGEQQLGRVPEL

>gi|15128484|dbj|BAB62714.1| phosphodiesterase 11A1 [Homo sapiens]
MSPKCSADAENSFKESMEKSSYSDWLINNSIAELVASTGLVNPISDAYQDPRFDEADQISGFHIRSVLC
VPIWNSNHQIGVAQVLNRLDQGFDDADQRLFEAFVIFCGLGINNTIMYDQVKKSWAKQSVALDVLVSYH
ATCSKAEVDFKKAANIPLVSELAIDDIHFDDFSLDAMDITAAALRMFMELGMVQKFKIDYETLCRWLLTV

>gi|19223979|gb|AAL86399.1|AF417578_1 transmembrane channel-like protein 1 [Homo sapiens]
MSPKVKVQIKVEEKEDETEESSSEEEEEVEDKLPRESLRPKRKRTRDVINEDDPEPEPEDEETRKAREKE
RRRLKRGAEEKEIDEELERLKAELDEKROI IATVCKPKWMEKKIEVLKEAKKFSVENEGALGKGGK
RWFAFKMMMAKKWAKFLRDFENFKAACVPWENKIKAIESQFGSSVASYFLFLRWMYGVMVLFILFSLI

MGSK

>gi|49168604|emb|CAG38797.1| RAD51L1 [Homo sapiens]
MGSKKLKRVLGSLQELCDRLSRHQILTQDFLCLSPLELMKVTGLSYRGVHELLCMVSRACAPKMOTAYGI
KAQRSADFPALFSTTSLDEALHGGVACGSLTEITGPPGCGKTQFCIMMSILATLPTNMGLEGAVVY
IDTESAFSAERLVEIAESRFPRFYNTTEKLLTSSKVHLYRELTCDLVLRQIESLEEEIISKGIKLVLD

>gi|47678501|emb|CAG30371.1| chromosome 22 open reading frame 42 [Homo sapiens]
MGSKLTCLGPGSGLNDCRPDVGPCHECEIPETVAATAPASTTAKPAKLDLKAKKAQLMQVLSLQKTP
KMLKMSKGLDARSKRWLKIWRRHGIWPLENIGPTEDVQASAHGGVENMTSDIEIPEAKHHRPTEDVQ
VSAHGGVEENITSDIEISEAKHHDHVEDLSESLSVLCLEDFMSTDLSESLSVSLEDFMSTGLSESLSVL

>gi|6690091|emb|CAB65555.1| enteropeptidase [Homo sapiens]
MGSKRGISRHHSLSSYEIMFAALFAILVVLCAGLIAVSLTIKESQRGAALQGSHEARATFKITSGVTY
NPNLQDKLSVDFKVLAFDQOMIDEIFLSSNLKNEYKNSRVLQFENGSIIVVFDLFFAQWVSDQNVKEEL
IQGLEANKSSQLVTFHIDLNSVDILDKLTTTSHLATPGNVSIECLPGSSPCTDALTCIKADLFCDEGEVNC

>gi|17391044|gb|AAH18441.1| C19orf25 protein [Homo sapiens]
MGSKAKKRVLTRPAPTVEQILEDVGRPAEDPVFTILAPEDPPVFRMMEDAEAPGEQLYQOQSRAYV
AANQRLQQAGNVLRQRCHELLQRAGEDLEREVAQMKQAALPAEAASSG

>gi|30721853|gb|AAP34197.1| polybromo-1D [Homo sapiens]
MGSKRRTATSPSSSVSGDFDDGHHSVSTPGPSRKRRRLSNLPTVDPIAVCHELYNTIRDYKDEQGRLLCE
LFIAPKRRNQPDYEVVVSQPIDLMIQQLKMEYDVLNLLTADFQLFNNAKSYYKPDSPPEYKAACKL
WDLYLRTRNEFVQKGEADDEDDEDGQDNQGTVEGSSPAYLKEILEQLEAIVVATNPSGRLLISELFQK

>gi|20380850|gb|AAH28071.1| Myosin IF [Homo sapiens]
MGSKERFHWQSHNVKQSGVDMDVLLPQITEDATAANLKRFRMDYIFTYIGSVLISVNPFFKQMPYFTDRE
IDLQGAQYENPPHIYALTDNMYRNMLIDCENQCVIISGESGAGKTVAAKYMYSKVSQGGGEKVVQHV
KDIILQSNPLLEAFNGAKTVRNNSSRFGKYFETQFSRGGEPDGGKISNLFLEKSRVVMQNENERNFHIY

>gi|16877372|gb|AAH16936.1| Odd-skipped related 2 (Drosophila) [Homo sapiens]
MGSKALPAPIPLHPSLQLTNYSFLQAVNTFFPATVDHLQGLYGLSAVQTMHMNHWTLYGPNVHEITRSTIT
EMAAQGLVDARFFPALFPTTLFHPKQGAIAHVLPALHKDRFRDFANLAVAATQEDPPKMGDLKLS
PGLGSPISGLSKLTPDRKPSRGLPSKTKEFICKFCGRHFTKSYNLLIHERHTDERPYTCDICHKAFR

>gi|21411351|gb|AAH31046.1| Meiosis-specific nuclear structural 1 [Homo sapiens]
MGSKRRLSCSERHQKLVDENYCKLHVQALKNVNSQIRNQMVQENENDNRVQRKQFLRLLQNEQFELDME
EAIQKAEENKRLKELQKQEELKAMELAKLKHESLKDDEKMRQQVRENSIELRELEKLLKAAVMNKERAQAQ
IAEKDAIKYEQMKRDAEIAKTMMEHKKRIIKEENAEDKRNKAKAQYLDLEKQLEEQEKKKQBEAYEQLL

>gi|20799125|dbj|BAB92079.1| zinc finger transcription factor [Homo sapiens]
MGSKTLPAFVPIHPSLQLTNYSFLQAVNGLPTVPSDHLNLYGFSALHAVHHLHQWTLYGYPAMHLPRSSFS
KVPGTVSSLVDAARFQLPAFWFPHVQPKPEITAGGSVPALKTKPRDFANLALAAATQEDPAKLGRGEGP
GSPAGGLGALLDVTKLSPEKKPTRGRLPKTKKEFVCKFCGRHFTKSYNLLIHERHTDERPYTCDICHK

>gi|14326451|gb|AAK60271.1|AF384555_1 farnesol receptor [Homo sapiens]
MGSKMNLIHSHLPTTDEFSSFSENLFVLTQVAGPLGQNLEVEPYSQYSNVQFPQVQFQISSSSYSNL
GFYPQQPEEWYSPIYELRRMPAETLYQGETEVAEMPVTKKPRMGASAGRIKGEDELGVVCGRASGYHYN
ALTCEGCKGFFRRSITKNAVYKCKNNGNCVMDMYMRKQCQECRLKCKEMGMLAECMYTGLLTEIQCKSK

>gi|124376338|gb|AAI32759.1| H6 family homeobox 2 [Homo sapiens]
MGSKEDAGKGC PAAGVSSFTTIQSILGGGPSEAPREPVGWPARKRSLSVSSEEEPPDDGWKAPACFCPDQ
HGPKKEQGPKHHPIPFPCLTGPKSGSGGPGGLERTPFLSPSHSDFKEEKERLLPAGSPSPGSEPRDGG
AERQAGA AKKTRTVFSRSQVYQLESTFDMKRYLSSSERACLASSLQLTETQVKTWFQNRNRKWKRLSA

>gi|3435090|gb|AAC32544.1| RTN2-C [Homo sapiens]
MGSKVADLLYWKDTRTSGVFTGLMVSLCLLHFSIVSVAHLALLLLCGTISLRVYRKVLQAVHRGDGA
NPFQAYLDVLDLTLTREQTERLSHQITSRVVSAAATQLRHFFLVEDLVDSLKLALLFYILTFVGAIFNGLTL
LILGVIGLFTIPLLYRQHQAIQDYVGLVTNQLSHIKAKIRAKIPGTGALASAAA VSGSKAKAE

>gi|2745974|gb|AAC23441.1| bridging integrator protein-1 [Homo sapiens]
MGSKGVTAGKIASNVQKKLTRAQEKVLQKLGKADETKDEQFEQCVQNFNKQLTEGTRLQKDLRTYLASVK
AMHEASKKLNELQEVYEPDWGRDEANKIAENNDLLWMDYHQKLVQALLTMDTYLGQFPDIKSRIAKR
GRKLVVDYSARHHYESLQTAKKKDEAKIAKAEELIKAKQKVFEE MNVDLQEELPSLWNSRVG FVNTFQS

>gi|68533509|gb|AAH98392.1| Myosin IE [Homo sapiens]
MGSKGVYQYHWQSHNVKHSVDDMVLSSKITENSIVENLKKRYMDDYIFTYIGSVLISVNPFFKQMPYFGE
KEIEMYQGAAQYENPPIYALADNMYRNMIIDRENQCVIISGESGAGKTVAAKYIMSYISRVSGGGTKVQ
HVKDIILQSNPLLEAFNGAKTVRNNSRFRGKYFEIQFSPGGEPDGGKISNFLEKSRVVMRNP GERSFH

>gi|146261997|ref|NP_001078948.1| IQ domain-containing protein F3 [Homo sapiens]
MGSKCCKGGPDEDAVERQRRQKLLLAQLHHRKRVKAAGQIQAWWRGVLVRRRTLLVAALRAWMIQCWWRTL
VQRRIRQRRQALLRVYVIEQEQATVKLQSCIRMWQCRQCYRQMCNACLQFQVPESSLAFQTDGFLQVQYAI
PSKQPEFHIEILSI

>gi|7106822|gb|AAF36136.1| zinc finger, C3HC-type containing 1 [Homo sapiens]
MGSKPFELSPVCAKYGWVTVCEMLKCSSCQAFCLCASLQPAFDFDRYKQRCALKKALCTAHEKFCFWP
DSPSPDRFGMLPLDEPAIIVSEFLDRFSKPLSLGPPASFPKAGGLENYVLDRRQDQSSPTLLEDELDRHT
DERKTTIKLGSIDQVHVTVACILSVCGWACSSSLESMLSLIACSQCMRRVGLWGFQQIESSMTDLASFG

>gi|57999423|emb|CAI45925.1| probable ATP-dependent RNA helicase DDX60-like [Homo sapiens]
MGSKDHAVFFREMTQLILNEMPKAGYSSILNDFVESNFFVIDGDSLLVTCLGVKSFKWQNLHFFLYVEC
YLVDLLSNGGQFTIVFFKDAEYAYFDFPELLSLRTALILHLQHNTNIDVQTEFSGCLSQDWKLLLEQHYP
YFLIVSEGLSDLQTYLNFLLIHSWGMKVNVLSSGHESDTRLRFYAYTMESTDRNQTF SKENETVIQSA

>gi|17511697|gb|AAH18706.1| TNS4 protein [Homo sapiens]
MGSKASSPHGLGSPVSPRLEKRLGGLAPQRGSRISVLSASPVSDVSYMFGSSQSLHSSNSSHQSSSR
SLESPANSSSSLSLGSVSLCTRPSDFQAPRNPTLTMGQPRTPHSPPLAKEHASSCPPSITNSMVDIPIV
LINGCPEPGSSPPQRTPHQNSVQPGAASPSNPCPATRSNSQTLSDAPFTTCPEGPARDMQPTMKFVMDT

>gi|55958192|emb|CAI12845.1| REX4, RNA exonuclease 4 homolog (S. cerevisiae) [Homo sapiens]
MGSKKKPKIIQQNKKETSPOVKGEEMPAGKDQEASRGVSPSGSKMDRRAPVPRTKASGTEHNKKGTKERT
NGDIVPERGDIHKKRKAKEAAPAPTEEDIWFDVDPADIEAATGPEAAKIARKQLGQSEGSVSLSLVK
EQAFGGLTRALALDCEMVGVPKGEESMAARVSVNQQYKCVYDKYVKP