



DNMT1_H.sapi	TEIKNQLCDL	ETKLRKEELS	EEGYLAKVKS	LLNKDLSLEN	GAHAYNREVN	GRLENGNQAR	SEARRVGMAD
DNMT1_M.musc	TEIKSQLCDL	ETKLRKEELS	EEGYLAKVKS	LLNKDLSLEN	GTHTLTQKAN	GCPANGSRPT	WRAEMADSNR
DNMT1_P.hydr							
DNMT1_D.reri	ADTQDQLKNL	EDKLKSSELS	TEVYMSEVKA	VLKKALGVVK	EGDGEVQNGH	SNG	
DNMT1_A.mell	NAVIDTMILE	ESNDRKKLR	SGKYISTNTS	GLNKIN			
DNMT1_A.digi	NFQQERIQEI	EDDLKAGKFS	EEQFISHLKE	LLTEIGHRSS	NGCGAKPLPP	VCNKDSNNVT	LNAEPMETGM
DNMT1_A.quee	KRVPRIIDDD	DDMEVSRVT	TA				
DNMT1_C.giga	EEVSKIITGL	EKGLKEKIIT	EKGYFKNLRK	VFDKVYDSER	GKLIETEGSS	KKTGIDLIEC	ENGQ
DNMT1_C.inte							
DNMT1_C.tele							
DNMT1_C.crux							
DNMT1_E.feti	PNGHLTAMDI	EEQNKSPKS					
DNMT1_H.symb							
DNMT1_H.vulg							
DNMT1_M.leid							
DNMT1_N.vect	SDVKTRLTQL	EORFAEKRIE	EDKYLSLMKQ	LLNEKTQTQE	SNGHTSSSHV	NQNGVAMPTD	QGVSSSEVSTE
DNMT1_T.giga	QSTRDQVKII	ESKFKEKLIT	EEQYANEVKD	LVACIE			
DNMT1_O.fave	KTVQDKIQKV	EDDFKDGKST	EEQLISQLKE	LLSEVGHKVS	NGCGTTPLSP	SSAQENQDGL	ISVVNEEPME
DNMT1_P.dami	NSVQEKIQKA	QDDYKEGKAT	EEQLIDQLKE	LLSKIGHRAS	NGCGAVPLSP	ASCSDGQHSL	MSSVKEEPME
DNMT1_S.invi	SKRNVGTRRL	KDELHENEPS	SS				
DNMT1_S.purp	SDMQTTLKGL	EDELKDEELT	EKGYNKVKVS	ILAKFLDTCT	PISNGDIQQE	NSSKKKLKND	TQSTVKNSS
DNMT1_S.pist	DSVQEKIQKA	QDDYKEGKST	EEQLINQLKD	LLSQIGHRAS	NGCGAIPLSP	ASANEDQNGS	VPALKEERME
DNMT1_X.trop	ADARNKLSDL	ESKLSSEELS	EEGYLTKVKA	LLRKQLSCEN	GDLS		
DNMT1_A.mill	NFQQERIQEI	EDDLKAGKFS	EEQFISHLKE	LLTEIGHRSS	NGCGAKPLPA	VCNKDSNNVT	LNAEPMETGM
DNMT1_A.cali	DNVREQMRSL	ADDLENEEIT	EKGYYKLEK	VVTDFLKEVE	NDGSGMINGS	ASSRQNGHTG	DLKSPGPEPS
DNMT1_D.giga							
DNMT1_H.robu							
DNMT1_S.cili	PAQKKRLSQL	QSDFDGGDLG	ESSFLT TAKE	VLGQAEETVF	GGATSSKAAE	AETEEAP	
DNMT3a_H.sapi							
DNMT3b_H.sapi							
DNMT3a_M.musc							
DNMT3b_M.musc							
DNMT3_S.cili							
DNMT3_A.mill							
DNMT3_A.mell							
DNMT3_A.digi							
DNMT3_A.quee							
DNMT3_C.giga							
DNMT3_C.inte							
DNMT3_C.tele							
DNMT3_C.crux							
DNMT3_H.symb	KNEQEGIRHF	AEEVHSGNQR	EFKTAPKCTS	DTEPSHDISP	KAPIVNLPMQ	MEIQQEIRNV	TEVLINDEDT
DNMT3_H.vulg	GIESLKT HGG	RRWC LDSTLY	CDRVIDHNSQ	KFSMAMEDHS	QVNQSNKDK	EDMLFKCVKA	DKNILQNKNK
DNMT3_M.leid							
DNMT3_D.reri							
DNMT3_N.vect							
DNMT3_T.giga							
DNMT3_O.fave							
DNMT3_P.dami							
DNMT3_S.invi	SRVFVGDERL	PESYRSTGED	ATADDDDEEE	VISQTTSETS	SADEIAHVDY	SDSEYSRFRS	SSHAKESQN
DNMT3_S.purp	WRHKRKSLCP	RKILRKMEQE	EASAGVPGNL	IQEEWLTQAE	DSASSTPTDE	RNVPESSQEQ	VRFSDPDKEI
DNMT3_S.pist							
DNMT3_X.trop							
DNMT3_D.giga							
DNMT3_H.robu							



DNMT1_H.sapi	RKPEESERA	KSDESIKEED	KDQDEKRRRV	TSRERVARPL	PAEPPERAKS	GTR	-----
DNMT1_M.musc	AHFTKGPTKR	KPKEESEEGN	SAESAAEERD	QDKRRRVVD	ESGAAAAVEK	LEE	-----
DNMT1_P.hydr	-----	-----	MKL	DHEDAGEPSQ	SGIKR	-----	-----
DNMT1_D.reri	GSHKDNGEQE	GAMDTQEEGD	AIKSPSAPKG	RGGRRSKADS	EPKKSPASSR	VTR	-----
DNMT1_A.mell	KYGLSQPKMQ	SLKKS VKRKS	NGVEELETKS	LMLAQ	-----	-----	-----
DNMT1_A.digi	ROSSCNNSNE	PTSSNGAERS	QCLLDIKVSL	TDLKK	-----	STSPTNKC	SQE
DNMT1_A.quee	NKRKSSGTGA	SSNLSSGGNST	NKSSKIQSSS	TSGRQ	-----	-----	-----
DNMT1_C.giga	DNGESESVKE	ADSERKKDK	EDKTRDNANG	EEEEKMEVEE	TKSTPPKDTT	DKK	-----
DNMT1_C.inte	-MSKEGDVSC	SSEGGKKQPTI	LDMFARKSKR	KAPT	-----	SP	-----
DNMT1_C.tele	-----	-----	-----	-----	-----	-----	-----
DNMT1_C.crux	-----	-----	-----	-----	-----	-----	-----
DNMT1_E.feti	EASCEGSSSS	KASASTSCRK	GKHPSSETGEQ	KCLQQVEIEE	IKGDDELAKG	EKK	-----
DNMT1_H.symb	ASGCSKDGPS	VDKEQKTSKQ	ATIASLFORS	SKRKK	-----	C	KEE
DNMT1_H.vulg	IDGREATHDK	ACGSSKTNRQ	SKQSTINALF	KKSVK	-----	-----	-----
DNMT1_M.leid	RNVKQTDLRQ	MFSAKVEKIQ	KSNEKTNIRT	SAVIA	-----	DEGQSSLT	DIA
DNMT1_N.vect	DSGVASDAMT	SDFSQPSASS	KSSDEETETP	AKKQO	-----	KAHSSSQK	KKG
DNMT1_T.giga	GFNLINENKV	IEDSEQADKS	DGLKSVHEAF	ESVYE	-----	NAVENNKG	NID
DNMT1_O.fave	AGPSCSNSPA	AHDKGDTPAS	SSTSEGESPL	QIKKE	-----	SPATKDQN	KSK
DNMT1_P.dami	AGASNGNSKE	GHIENEAQTA	SLSTSKGGSS	LLLEK	-----	TSPDSEDK	IKT
DNMT1_S.invi	HRRTKKNINT	ESDEVIEQED	ELDSKIKSDL	SEIKM	-----	-----	-----
DNMT1_S.purp	RKVLGDSRE	EEEEKGREEN	KEVEEEEEKEE	ESAGKTTPDA	NTPRSSKRKR	SPK	-----
DNMT1_S.pist	TGASDGSVE	SHNEDGAQTA	LLSTSKGGSS	LPLKK	-----	SSPDSEDK	KKS
DNMT1_X.trop	INGCSTNGTC	GSDEEDVEMS	ESNTAGVKNR	KTRKSKTNGE	NKKSPARARS	SRS	-----
DNMT1_A.mill	ROSSCNNSNE	PTSSNGAERS	QCLLDIKVSL	TDLKK	-----	STSPTNKC	SQE
DNMT1_A.cali	GTGSVNGTST	VMNGSSAAKK	LSKFAAGSSQ	SETMDEKDAL	KTESNGHTNG	NKSMNGHASP	KIKEVDTDVK
DNMT1_D.giga	--MAEDILVN	GDSKEATSEE	KCADKVKGEG	LVVKK	-----	DSPYGMK	KVQ
DNMT1_H.rob	ENSPVMNKKR	KSLNDNVNRN	NKISSSSAND	NESEA	-----	-----	-----
DNMT1_S.cili	PTKRTSDASS	PEASPAAKRT	RVRSRGRAKS	KEESTP	-----	-----	-----
DNMT3a_H.sapi	PSSGPGDTSS	SAAEREEDRK	DGEEQEEPRG	KEERQEP	-----	-----	-----
DNMT3b_H.sapi	-----	-----	MKG	DTRHL	-----	-----	-----
DNMT3a_M.musc	PSSGPGDTSS	SSLEREDDRK	EGEEQENRG	KEERO	-----	EP	-----
DNMT3b_M.musc	-----	-----	MKG	DSRHL	-----	-----	-----
DNMT3_S.cili	-----	-----	-----	-----	-----	-----	-----
DNMT3_A.mill	-----	-----	M	EATPT	-----	-----	-----
DNMT3_A.mell	-----	-----	-----	-----	-----	-----	-----
DNMT3_A.digi	-----	-----	M	EATPT	-----	-----	-----
DNMT3_A.quee	-----	-----	-----	-----	-----	-----	-----
DNMT3_C.giga	KYAVHKGFDI	PTQARSYSDF	SLPNFLHDS	SSSAK	-----	SDPNSVSG	-----
DNMT3_C.inte	-----	-----	-----	-----	-----	-----	-----
DNMT3_C.tele	-----	-----	-----	-----	-----	-----	-----
DNMT3_C.crux	-----	-----	-----	-----	-----	-----	-----
DNMT3_H.symb	EKHRAKRITM	YKRKRTPNV	NIDNYKFILE	KGCRK	-----	VISVKRKK	TFSTGDIVVG
DNMT3_H.vulg	PEIAEQQLQIN	KIFNNDANN	ILFEGNKVKS	KNKETLQTQL	IGGSKLVKKK	NFKVGDVVIC	YFKYFGWWFA
DNMT3_M.leid	-----	-----	-----	-----	-----	-----	-----
DNMT3_D.reri	-----	-----	-----	-----	-----	-----	-----
DNMT3_N.vect	-----	LSATMA	EVTHASPLC	QDTPF	-----	-----	-----
DNMT3_T.giga	-----	-----	M	MRKRR	-----	-----	-----
DNMT3_O.fave	MASTPSD	LD	-----	-----	-----	-----	-----
DNMT3_P.dami	-----	-----	MAST	PSNSD	-----	-----	-----
DNMT3_S.invi	DNARISKLA	ITERRASRKV	LDKSASRRIG	RASSRKKELE	LKDSEDRSEV	AKK	-----
DNMT3_S.purp	QSIQDFPSKN	NDTRDSVEGN	SASLLGEGFA	DVNSSSLIEE	TVQGDSDLNL	LPG	-----
DNMT3_S.pist	MASTPSN	SD	-----	-----	-----	-----	-----
DNMT3_X.trop	SNGTIINTSN	PPAETDAPTH	KGDTATEENK	SKEEK	-----	-----	-----
DNMT3_D.giga	MDGATTDGES	KPKAVKAPRA	IGDHYVWPEF	EKELY	-----	SICPQRKC	TLQ
DNMT3_H.rob	-----	MFTFAGCVI	DIIEEIQSSL	LGLRK	-----	V	-----



DNMT1_H.sapi	---DEDEDGD	EKDE	-----	-----	KKHR	SQPKDLAAKR	RPEEKEPEKV	NPQISDEKDE	DEKEEKRRKT
DNMT1_M.musc	---EDEDGKK	DKRS	-----	-----	SRPR	SQPRDPAAKR	RPKEAEPEQV	APETPEDRDE	DEREEKRRKT
DNMT1_P.hydr	---AASpKEE	DNPk	-----	-----	KALL	SLLLNSDDEE	EDVKPEPDII	L	-----
DNMT1_D.reri	---DELNGEP	ANGD	-----	-----	TEIK	TEETITEEVR	EEKRLKTEDE	KPEAENAANL	KPVST
DNMT1_A.mell	---NEKVLCD	NKSD	-----	-----	LTlk	QMOSDSSDES	ESNILKKNKt	ENNNIINTEE	SKIMHQK
DNMT1_A.digi	---SSENSEA	SNYS	-----	-----	QDgK	RQKTSGDdCD	EEESSGDSGI	ERQSLRESTV	GIRSEEK
DNMT1_A.quee	---EEREEEE	GKEK	-----	-----	EAKK	AKTSETGSSS	NGTSAATNGN	NKSHDLRPHD	DIPANKTSEA
DNMT1_C.giga	---DDKSLTD	TDQE	-----	-----	KEVK	KVKLEDEPAD	SKDSGEIKKQ	EEFVR	-----
DNMT1_C.inte	---RGDSQVV	TPDG	-----	-----	KKPR	RDRDVSDKEN	EKPGIKVE	-----	-----
DNMT1_C.tele	---EVKMMVT	AVKV	-----	-----	-----	-----	-----	-----	-----
DNMT1_C.crux	-----	-----	-----	-----	-----	-----	-----	-----	-----
DNMT1_E.feti	---SVEMVEN	DIKp	-----	-----	HDDK	RVKLEETVES	ENPTPKLVVC	SEEK	-----
DNMT1_H.symb	---SLSVVGN	ENEK	-----	-----	KKQK	TEDVVPDSN	GIGGEENEKA	KMDVDEKTDI	KQGVSLKES
DNMT1_H.vulg	---KTKRSIS	PSKE	-----	-----	ENEN	KKKRTDGDIK	EKNTSFLTNS	EKP	-----
DNMT1_M.leid	---SKNVEDN	CLAE	-----	-----	GEPA	SKRQKTEKYN	REINESTKRK	S	-----
DNMT1_N.vect	---CSSVDEE	AKSA	-----	-----	QEEK	KQKLVDDHE	QKDKEYGLR	ENNSQNTNTV	KNE
DNMT1_T.giga	NTISKKRRHD	DVES	-----	-----	KHIS	NSSLDGNSKR	KKSEANQEER	AMNKEVKP	-----
DNMT1_O.fave	---LHSGEKD	LGTS	-----	-----	KDSK	RQKVSDDDDT	DDREKESVDt	ETTRYDLRES	SEGTKSPMK
DNMT1_P.dami	---TSEDsLN	SIIS	-----	-----	KDNK	RLKVTEDENT	DKKEKELSET	ETGTERQDYQ	LRESSAGAKC
DNMT1_S.invi	---KVDENVt	REFD	-----	-----	KENH	DPEINQEETK	ENPEKRIKIE	NSNKTTFESRH	QDSKN
DNMT1_S.purp	GDDGKKEEEE	EESP	GPGG	-----	KRIK	KEEEEEEEKAN	DEPMSPSRDL	RQRSNNETS	AVKAV
DNMT1_S.pist	---TNEDSPN	NVNS	-----	-----	KVNK	RLKMSDGSST	GEKEIELSET	ETGSGPERYK	LRESSVAVKC
DNMT1_X.trop	---SADADQP	EEKE	-----	-----	KEEK	RIKIEVNESE	NENRSTAEES	KKVKPVLP	-----
DNMT1_A.mill	---SSENSEA	SNYS	-----	-----	KDgK	RQKTSGDdCD	EEESSGDSGI	ERQSLRESRE	STVGMRSSEEK
DNMT1_A.cali	AMFSPKAKVE	EKASS	-----	-----	KDKK	ENSAENGEE	EEEQQASKRI	KLQDDEGKQE	GIVPVLEPSA
DNMT1_D.giga	---DVENKKN	SPNT	-----	-----	MASK	RLKSEDITIE	NTITNCNGKS	SDERKAKKCA	MIi
DNMT1_H.rob	---SDEKVID	ELVE	-----	-----	QAEK	KMKLDSENKD	KSETDITNKE	LMT'TNT'TEQL	QLINHPK
DNMT1_S.cili	LSPIEEKMDT	SDSP	VVV	-----	EKDS	KPQVVDSEVT	QADTEKPDAD	TLKPEAADDS	DTRSQAS
DNMT3a_H.sapi	---STTARKV	GRPG	-----	-----	RKRK	HPPVESGDTP	KDPAVISKSP	SMAQDSGASE	LLPNGDL
DNMT3b_H.sapi	---NGEEDAG	GRPD	-----	-----	SILV	NGACSDQSSD	SPPILEAIRT	PEIRGR	-----
DNMT3a_M.musc	---SATARKV	GRPG	-----	-----	RKRK	HPPVESDTP	KDPAVTTKSQ	PMAQDSGPSD	LLPNGDL
DNMT3b_M.musc	---NEEEGAS	GYEE	-----	-----	CIIV	NGNFSDQSSD	TKDAPSPPV	EAICTEPVCT	PETRGR
DNMT3_S.cili	-----	-----	-----	-----	-----	-----	-----	-----	-----
DNMT3_A.mill	---SEAIQAP	KKKP	-----	-----	KFKR	RLEFSASDYK	SKKKIRVKS	-----	-----
DNMT3_A.mell	---MIEMLDE	IKFY	-----	-----	PYPV	KMQQLDHLR	EKNAK	-----	-----
DNMT3_A.digi	---SEAIQAP	KKKP	-----	-----	KFKR	RLEFSASDYK	SKKKIRVKS	-----	-----
DNMT3_A.quee	---MAEGPAN	CSIP	-----	-----	LYRK	RKAPDHLASP	YTAAKHLEL	-----	-----
DNMT3_C.giga	---PIDFPES	ATAA	-----	-----	KLPg	KARKSSRRDR	FNIVADFASS	GK	-----
DNMT3_C.inte	---MWSMDKR	AR	-----	-----	RKPK	YFEAGSGGKG	PHENEKDPKQ	QY	-----
DNMT3_C.tele	-----	-----	-----	-----	-----	-----	-----	-----	-----
DNMT3_C.crux	-----	M	RKFK	-----	KVPI	ASMVSYSYH	-----	-----	-----
DNMT3_H.symb	DIHKVNEDEI	NHSR	FHILLA	WGLASF	PVVE	KTSLKNNLCV	MFQNNPTEKK	GNYTHMESND	KIEERKKTET
DNMT3_H.vulg	IMFGQKGYLN	ELLE	WGLNG	FAAHVI	KDKN	KPCQGNLDFT	NTSLNQSIDF	VISSSDTSNT	ESSKLTS
DNMT3_M.leid	---MEDENDS	DKEN	-----	-----	KDPS	TFSVLNQTPL	SKKKRGKRRK	ERGIANLSTL	-----
DNMT3_D.reri	---MNSMEDH	GEVE	-----	-----	SEPK	KDVITVPLLF	PPPM	-----	-----
DNMT3_N.vect	---LENANEH	DKKPL	-----	-----	KAKV	RLNFGSIDYV	KRKKKRKISK	QNLVGKKSK	-----
DNMT3_T.giga	---ISPSSQE	GsvG	-----	-----	NKQA	KMIVSTNTAK	TNPSKGIGSI	TKSSH	-----
DNMT3_O.fave	---TIKGSTS	TKKP	-----	-----	RVKR	RLEFSASDYK	SKKKIRL	-----	-----
DNMT3_P.dami	---TVKQGTm	TKKM	-----	-----	RAKR	KLNFASDyR	SKKKF	-----	-----
DNMT3_S.invi	VAKIITVQKC	SDCK	-----	-----	AQRR	SYNFTNVACP	CKRKTkDMAT	AIMRDIQECI	NTKIADLKI
DNMT3_S.purp	HVGDKASHD	DKESS	PPGTM	DKLHKK	RVK	KNKRKSHEK	TTKSTSPGKF	PSSDQSSPLP	KSPVFGRILP
DNMT3_S.pist	---LVKPAAT	TKKI	-----	-----	RAKR	KLNFASDyR	SKKKFRL	-----	-----
DNMT3_X.trop	TSPNSTRPDP	IHNG	-----	-----	EMDS	RQHKAkRPTQ	DRPAELSPR	DTKTCDSPPE	VPRD
DNMT3_D.giga	---SNGQKN	MSEN	-----	-----	FLMR	KQLTQNSRKR	KDKRVQODTI	S	-----
DNMT3_H.rob	---SINVQKS	DQCH	-----	-----	KDNL	EKNFQSPEKK	KFKSSQL	-----	-----

DNMT1_H.sapi	TPKEPTEKKM	ARAKTVMN	-----	SKT	HPPKCIQCGQ	YLDDPDLKYG	QH--PP-D-A	VDEPQM	----
DNMT1_M.musc	TRKKLESHTV	PVQSRSEKKA	AQSKSVI	PKI	NSPKCPECGQ	HLDDPNLKYQ	QH--PE-D-A	VDEPQM	----
DNMT1_P.hydr	-----	-----	-----	KNQ	EEDKCFECGQ	TLDPTVLKMF	SGD-PL-S-A	VEEEVM	----
DNMT1_D.reri	-----	-----	-----	AKT	PPPKCPDCRQ	YLDDSDLKFF	QGD-PD-D-A	LDEPEM	----
DNMT1_A.mell	-----	-----	-----	PFN	VHQKCEYCCQ	KLTSIDIKIY	PGH-PN-N-A	VEEMIA	----
DNMT1_A.digi	-----	-----	-----	RAQ	PPAKCKECKQ	LLNSPDLRLF	PGD-SN-D-A	VEEFVA	----
DNMT1_A.quee	-----	-----	-----	PQS	SKPPCTYCKR	SSDDPRLKIF	IGD-PP-N-A	NDEFIT	----
DNMT1_C.giga	-----	-----	-----	SKA	PPPRCRECKQ	LLEDPLQMF	PGD-PD-S-A	VEEFIA	----
DNMT1_C.inte	-----	-----	-----	VKK	SSMKCRECRQ	LLD--DVAIF	GGD-VD-Q-A	EEEFVL	----
DNMT1_C.tele	-----	-----	-----	-----	APLKCKECRQ	LIDDPDLKLY	PGD-SS-E-A	VEEFIA	----
DNMT1_C.crux	-----	-----	-----	-----	-----	-----	-----	-----	M----
DNMT1_E.feti	-----	-----	-----	EKL	SLVRCKECHQ	LLNNADLRLF	SGD-PA-E-A	VEEFIT	----
DNMT1_H.symb	-----	-----	-----	SKK	VIERCHQCRQ	IIHKDEIKMF	GGD-SP-D-A	VDEFVM	----
DNMT1_H.vulg	-----	-----	-----	GVK	TVEKCKECRQ	LLNSNDIKLF	QGD-HS-D-A	LEEFAM	----
DNMT1_M.leid	-----	-----	-----	PAL	KPVKCDVCKQ	LLNSEALKVF	KGD-ES-G-A	VEEFIA	----
DNMT1_N.vect	-----	-----	-----	KPO	PPARCKECRQ	LIDSPDLCLF	AGD-PA-D-A	VEEFVA	----
DNMT1_T.giga	-----	-----	-----	SVQ	PPLKCKECGQ	LLNNPNLVMF	TGD-PE-N-S	VEEFIM	----
DNMT1_O.fave	-----	-----	-----	KTQ	PPAKCKECKQ	LLDSPDLRLF	LGD-SD-D-A	VEEFVA	----
DNMT1_P.dami	EGE	-----	-----	KTQ	TPVKCKECKQ	LLDSPDLRLF	LGD-CD-D-A	VEEFVA	----
DNMT1_S.invi	-----	-----	-----	TSA	AIERCQYCKH	VLNS-DIKLY	QGH-PN-G-A	IEEQIA	----
DNMT1_S.purp	-----	-----	-----	TKQ	PPVRCKECRQ	PLDDPDLKLF	PGD-PD-D-A	REEYIT	----
DNMT1_S.pist	EGE	-----	-----	KTQ	PPVKCKECKQ	LLDSSDLRLF	LGD-GD-D-A	VEEFVA	----
DNMT1_X.trop	-----	-----	-----	PKT	PPPKCMDCRQ	YLDDPDLKYF	QGD-PD-D-A	LDEPEM	----
DNMT1_A.mill	-----	-----	-----	RTQ	PPAKCKECKQ	LLNSPDLRLF	PGD-SN-D-A	VEEFVA	----
DNMT1_A.cali	-----	-----	-----	PKP	LPQRCNECLK	YMDDPELKMF	PGD-AD-D-A	VEEFIA	----
DNMT1_D.giga	-----	-----	-----	DQK	VPKCSCEGQ	LLDSPDLTLF	SGD-AD-D-A	IEEFVM	----
DNMT1_H.rob	-----	-----	-----	NKF	IIERCTECGQ	ILDEQEIVMY	PGD-SG-E-A	VEEFVA	----
DNMT1_S.cili	-----	-----	-----	QDE	GPARCPDCHQ	LLDSPTLKTY	GGD-PD-N-A	VEEFVA	----
DNMT3a_H.sapi	-----	-----	-----	EKR	SEPQPEEGSP	AGGQKGGAPA	EGEGAA-E-T	LPEASR	----
DNMT3b_H.sapi	-----	-----	-----	RSS	SRLSKREVSS	LLSYTQDLTG	DGDGEDGD-G	SDTPVM	----
DNMT3a_M.musc	-----	-----	-----	EKR	SEPQPEEGSP	AAGQKGGAPA	EGE-GT-E-T	PPEASR	----
DNMT3b_M.musc	-----	-----	-----	RSS	SRLSKREVSS	LLNYTQDMTG	DGD-RD-D-E	VDDGNG	----
DNMT3_S.cili	-----	-----	-----	-----	-----	-----	-----	-----	M----
DNMT3_A.mill	-----	-----	-----	-----	-----	-----	-----	D-V	FISVTS
DNMT3_A.mell	-----	-----	-----	-----	-----	-----	-----	-----	-----
DNMT3_A.digi	-----	-----	-----	-----	-----	-----	-----	D-V	FISVTS
DNMT3_A.quee	-----	-----	-----	-----	-----	-----	SP-S-P	APDSTL	----
DNMT3_C.giga	-----	-----	-----	SMR	RKPKTDEFRO	HRDSRRPFMY	RRL-KL-Q-K	MKLKTT	----
DNMT3_C.inte	-----	-----	-----	-----	-----	-----	KT-K-P	SPEDVK	----
DNMT3_C.tele	-----	-----	-----	-----	-----	-----	-----	-----	-----
DNMT3_C.crux	-----	-----	-----	-----	-----	-----	VK-D-S	LGNVIS	----
DNMT3_H.symb	DNPEKERVDT	NEISN	-----	MKV	LGVPSNSVHP	TRNVHDKELS	KKK-QE-K-G	TPEIKQ	----
DNMT3_H.vulg	-----	-----	-----	KDN	SESIDFLLKN	YSLSPNLEDS	DNYFSS-D-Q	HSSINSFKNN	----
DNMT3_M.leid	-----	-----	-----	PHT	YPLEIDEGAY	VFLKGIEVWH	PGK-IM-Q-V	TSPYRI	----
DNMT3_D.reri	-----	-----	-----	-----	-----	-----	PP-T-P	PTPPMQ	----
DNMT3_N.vect	-----	-----	-----	-----	-----	-----	AS-D-V	TAEPT	----
DNMT3_T.giga	-----	-----	-----	KDQ	SPKKSSVCSS	SS	SS-Q-I	AASPVS	----
DNMT3_O.fave	-----	-----	-----	-----	-----	-----	KS-D-V	IISISP	----
DNMT3_P.dami	-----	-----	-----	-----	-----	-----	R	LKSDLM	----
DNMT3_S.invi	IKISETEKDM	-----	-----	LSN	SKDLSRDISM	EYDFMEYNLD	EDDDLWDWDF	SQETIISKQS	----
DNMT3_S.purp	VSNWASLEDP	VTSPCRVQLV	DYLTSSQQL	PPKEGDEENT	KVQEDSPEAP	QEVHQA	D-Q	VAKTLTEQVI	----
DNMT3_S.pist	-----	-----	-----	-----	-----	-----	KS-D-I-I	-----	----
DNMT3_X.trop	-----	-----	-----	SDV	TPVVENGCT	PSDDIDPQDM	EDCDVS	ISTPKK	----
DNMT3_D.giga	-----	-----	-----	SNF	SEYKPGEK GK	KSKQTRRVVQ	SDDNTP-T-L	NNKDTP	----
DNMT3_H.rob	-----	-----	-----	-----	-----	-----	AK-K-S	LKKFKC	----

DNMT1_H.sapi	--LTNEKLSI	FDAN--ESGF	ESYE--ALPQH	KLTCFSVYCK	HG-----	HLC-----	PI	DTGLIEK	--
DNMT1_M.musc	--LTSEKLSI	YDST--STW	FDTYEDSPMH	RFTSFSVYCS	RG-----	HLC-----	PV	DTGLIEK	--
DNMT1_P.hydr	--LCHPSLMV	AKDS--YDDY	NDEMEDIPLQ	KITDFHVDYK	CG-----	HLC-----	AF	DGGLLEK	--
DNMT1_D.reri	--LTDRLSL	FDSN--EDGF	ESYE--DLPQH	KITNFSVYDK	RG-----	HLC-----	PF	DSGLIEK	--
DNMT1_A.mell	--LTDPRLSL	FTGE--EIV	LHESDERPON	KITHFCVYDK	NG-----	HLC-----	SF	DTGLIEK	--
DNMT1_A.digi	--LTDPRLSL	FSGE--EEQC	DSYS--DTPQH	KITNFSIYDK	NT-----	HLC-----	PF	DSGLIEK	--
DNMT1_A.quee	--LADPSLSV	LSAD---Q	ESALDDVPQH	KITGFSVYDK	NH-----	HLC-----	HF	DTGLVEK	--
DNMT1_C.giga	--LTDPKLSV	FTGE--EEEE	HSYD--ERPQH	KITNFSVYDK	NT-----	HLC-----	PF	DTGLIEK	--
DNMT1_C.inte	--LTHESLSL	FVGN-----	--EETGRPQH	KITDFTVYDK	ST-----	HLC-----	PF	DAGLIEK	--
DNMT1_C.tele	--LTDPKLQL	FTGD--EED	VNAADERPQH	KITNFTVYDK	NM-----	HVC-----	PF	DCGLIEK	--
DNMT1_C.crux	--LCDPKLSV	FNESEENGGY	D---DRPQH	KITNFSVYDR	NT-----	HLC-----	PF	DLGMIEK	--
DNMT1_E.feti	--LTDPKLSL	FTGD--EDM	INEADERPQH	KITNFSVYDK	CT-----	HLC-----	AF	DTGLIEK	--
DNMT1_H.symb	--LCDPRLSL	LTGN--EQEY	DNYD--DRPQH	KLTDFSVYDK	CD-----	HLC-----	AF	DTGLIDK	--
DNMT1_H.vulg	--LVDPRLSL	LSGN--EQDF	DAYE--DRPQH	KVTEFSVYDK	CG-----	HLC-----	AF	DTGLIEK	--
DNMT1_M.leid	--LASDTLSL	FDAD--SNG	ESEWTEKPQH	RITNFTVYDE	YG-----	HMC-----	PF	DSGLIEK	--
DNMT1_N.vect	--LVDPRLSL	FSGD--EEQF	DSYE--DKPQH	KITNFSVYDK	NT-----	HLC-----	AF	DTGLIEK	--
DNMT1_T.giga	--LTDPHLSL	FTGEENEDNM	GDIS--ERPQH	KITQFNVDYDR	NI-----	HLC-----	PF	DSGLIEK	--
DNMT1_O.fave	--LTDPRLSL	FSGE--EEQF	DSYN--DRPQH	KITNFSIYDK	NT-----	HLC-----	PF	DTGLIEK	--
DNMT1_P.dami	--LTDPRLSL	FSGE--EEQF	DSYN--DRPQH	KITNFSIYDK	NT-----	HLC-----	PF	DSGLIEK	--
DNMT1_S.invi	--LIDPKLCL	FTGD--ESF	VDESDERPON	KLTHFSVYDM	NG-----	HLC-----	SF	DTGLIEK	--
DNMT1_S.purp	--LTDPRLSL	LTGD--EEDT	MSYD--ERLQF	KITNFSVYDK	ST-----	HLC-----	AF	DSGLIEK	--
DNMT1_S.pist	--LTDPRLSL	FSGE--EEQF	DSYN--DRPQH	KITNFSIYDK	NT-----	HLC-----	PF	DTGLIEK	--
DNMT1_X.trop	--LTDRLSL	FEAN--EDGF	ESYD--DLPQH	KVTCFSVYDK	RG-----	HLC-----	PF	DSGLIEK	--
DNMT1_A.mill	--LTDPRLSL	FSGE--EEQC	DSYS--DTPQH	KITNFSIYDK	NT-----	HLC-----	PF	DSGLIEK	--
DNMT1_A.cali	--LTDPKLSL	FTGE--EDF	DKIQEDRPQH	KITNFSVYDK	NT-----	HLC-----	AF	DTGLIER	--
DNMT1_D.giga	--LVDPKLSL	FTGD--ETTF	GSYEVDROPQH	RVTQFSIYDK	ST-----	HLC-----	PF	DTGLIEK	--
DNMT1_H.rob	--LTDRLSL	FTGD--EQE	IDEADERPQH	RLTNFSVYDR	MT-----	HLC-----	PF	DSGLIEK	--
DNMT1_S.cili	--LADPQLCV	FEDD--GG	QEDINETPSH	RLDFTVYDK	QG-----	HVC-----	PF	DGGLIER	--
DNMT3a_H.sapi	--AVENGCCCT	PKEG--RGAP	AEAGKEQKET	NIESMKMEGS	RG-----	RL-----			--
DNMT3b_H.sapi	--PKLFR	ETRT--	RSESPAV	RT-----					--
DNMT3a_M.musc	--AVENGCCV	TKEG--RGAS	AGEGKEQKOT	NIESMKMEGS	RG-----	RL-----			--
DNMT3b_M.musc	SDILMPKLTR	ETKD--	TRTRSESPAV	RT-----					--
DNMT3_S.cili		--AN-----							--
DNMT3_A.mill	--VEDNRLAT	SSND-----				HL-----			--
DNMT3_A.mell	--VTERYLLD	QKRENOEKKL	AEKSKDSPQK	VNVDLT-----					--
DNMT3_A.digi	--VEDNHLAT	SSDD-----				HL-----			--
DNMT3_A.quee	--SPNQPVEN	YVDP--TEEL	KSLEEDMSNF	RRFSGRSKKQ	TN-----	FFC-----	PI	APASFHRRRS	--
DNMT3_C.giga	--LTNKKLQC	HISC--T	TSLYSVVRRP	KGSESSPQKK	EG-----	H-----			--
DNMT3_C.inte	--FVPPRII	PRED-----							--
DNMT3_C.tele									--
DNMT3_C.crux	--LFVYVLLI	FOLK-----							--
DNMT3_H.symb	--DTLIKTS	LIGSTQEKTI	VQTTFKVIRE	EKENISGKAD	FG-----	HSS-----	EI	NQNLTLLKQNF	--
DNMT3_H.vulg	--EVDSSKSLCK	VKNR--SKI	NVLKSSIINH	TAQSTNLECO	NT-----	VIK-----	NS	ECENIKKNIE	--
DNMT3_M.leid	--ICYSFLDT	SITV-----	AARS-----	KLSSFLNYG		--C-----	KV	DFDLLE	--
DNMT3_D.reri	--QQPPQPOA	QHQT-----							--
DNMT3_N.vect	--VCTDSDSG	FDTQ-----							--
DNMT3_T.giga	--FNSEDREL	LSDI-----							--
DNMT3_O.fave	--VEVKKHRI	SPSR-----							--
DNMT3_P.dami	--IPVTPLQL	KKGH-----							--
DNMT3_S.invi	--FDLVERREAM	NVEELSMSFN	NRARRRKKRY	RYSIDCKFDE	KIETAYRSVF	HDCVDFDTPR	SRSSLKINME		--
DNMT3_S.purp	--KEAECPGVQV	HEQDVHTEED	VKEPSEALST	PLSNFKEREE	RA-----	EVTICDDNQPC	SSAVKGQRSL		--
DNMT3_S.pist	--IPANPPQL	KKDC-----							--
DNMT3_X.trop	--RGRRSLSS	SSEQ--SKEER	EDDNSDSPKE	EASTSQGIHR	NS-----	HCR-----	GY	RGRL	--
DNMT3_D.giga	--VTEPGPKN	FCETSVRRQL	EFDQSTLKES	SLDDTN-----					--
DNMT3_H.rob	--TLKSSLLL	CDQE-----							--



DNMT1_H.sapi	-----	-NIELFFSGS	AKPIYD	---	-----	-----	-----
DNMT1_M.musc	-----	-NVELYFSGC	AKAIHD	---	-----	-----	-----
DNMT1_P.hydr	-----	-NIELFISGI	VVSPFD	---	-----	-----	-----
DNMT1_D.reri	-----	-NVELYFSCA	VKPIYD	---	-----	-----	-----
DNMT1_A.mell	-----	-NVVLYFSGY	MKPIYE	---	-----	-----	-----
DNMT1_A.digi	-----	-NVELFFSGY	LKPIYD	---	-----	-----	-----
DNMT1_A.quee	-----	-NVELFFSGW	VKPIYD	---	-----	-----	-----
DNMT1_C.giga	-----	-NVFLYFSGV	VKPIYD	---	-----	-----	-----
DNMT1_C.inte	-----	-NVELYFSGL	VKPIYD	---	-----	-----	-----
DNMT1_C.tele	-----	-NTELYFSGS	LKPIYD	---	-----	-----	-----
DNMT1_C.crux	-----	-NKELYFSGY	VKPIYD	---	-----	-----	-----
DNMT1_E.feti	-----	-NVELYFSGY	VKPIYD	---	-----	-----	-----
DNMT1_H.symb	-----	-NIELFFSGY	VKPVYD	---	-----	-----	-----
DNMT1_H.vulg	-----	-NVELFFSGY	VKPIFD	---	-----	-----	-----
DNMT1_M.leid	-----	-NVPLYFSGY	IKPIYD	---	-----	-----	-----
DNMT1_N.vect	-----	-NVELFISGY	VKPIYD	---	-----	-----	-----
DNMT1_T.giga	-----	-NKELYFSGF	VKPIYE	---	-----	-----	-----
DNMT1_O.fave	-----	-NIELFFSGY	LKPIYD	---	-----	-----	-----
DNMT1_P.dami	-----	-NIELFFSGY	LKPIYD	---	-----	-----	-----
DNMT1_S.invi	-----	-NVLLYFSGY	MKAIYE	---	-----	-----	-----
DNMT1_S.purp	-----	-NKELYFSGY	VKPIYD	---	-----	-----	-----
DNMT1_S.pist	-----	-NIELFFSGY	LKPIYD	---	-----	-----	-----
DNMT1_X.trop	-----	-NVELYFSGY	VKPIYD	---	-----	-----	-----
DNMT1_A.mill	-----	-NVELFFSGY	LKPIYD	---	-----	-----	-----
DNMT1_A.cali	-----	-NKYLFFSGV	LKPIFE	---	-----	-----	-----
DNMT1_D.giga	-----	-NKELFLSGY	VKPIYD	---	-----	-----	-----
DNMT1_H.rob	-----	-NVELYFSGY	IKPIYD	---	-----	-----	-----
DNMT1_S.cili	-----	-NVELFFSGV	VKPIYD	---	-----	-----	-----
DNMT3a_H.sapi	-----	-RGGLGWESS	LRQRPM	---	-----	-----	-----
DNMT3b_H.sapi	-----	-RNMNSVSSR	ERHRPS	---	-----	-----	-----
DNMT3a_M.musc	-----	-RGGLGWESS	LRQRPM	---	-----	-----	-----
DNMT3b_M.musc	-----	-RHSNGTSSL	ERQRAS	---	-----	-----	-----
DNMT3_S.cili	-----	-----	-----	---	-----	-----	-----
DNMT3_A.mill	-----	-----	-----	---	-----	-----	-----
DNMT3_A.mell	-----	-----	LLPLKE	---	-----	-----	-----
DNMT3_A.digi	-----	-----	-----	---	-----	-----	-----
DNMT3_A.quee	-----	-NSATNAAVR	ALKFPS	---	-----	-----	-----
DNMT3_C.giga	-----	-----S	DERGTE	---	-----	-----	-----
DNMT3_C.inte	-----	-----	-----	---	-----	-----	-----
DNMT3_C.tele	-----	-----	-----	---	-----	-----	-----
DNMT3_C.crux	-----	-----	-----	---	-----	-----	-----
DNMT3_H.symb	FSDPPTRRSF	AKAIDHFANR	KKPVLEYTIL	NRTDGTNVVE	CKENILSNLN	SNEKNLSSDN	SVNNPKDPKE
DNMT3_H.vulg	NY-----	-NAQDWFLNK	VDHVRKDCL	-----	-----	-----	-----
DNMT3_M.leid	-----	-SDETYQKGI	IDCIASFA	-----	-----	-----	-----
DNMT3_D.reri	-----	-----N	LKPQPS	-----	-----	-----	-----
DNMT3_N.vect	-----	-----	-----	-----	-----	-----	-----
DNMT3_T.giga	-----	-----	-----	-----	-----	-----	-----
DNMT3_O.fave	-----	-----	EQQIPK	-----	-----	-----	-----
DNMT3_P.dami	-----	-----	-----	-----	-----	-----	-----
DNMT3_S.invi	ESWKSENSSD	NDDDEIHSSW	RRSTLESST	-----	-----	-----	-----
DNMT3_S.purp	SHQDNDQSR	VRECESAEGS	SPHFPT	-----	-----	-----	-----
DNMT3_S.pist	-----	-----	-----	-----	-----	-----	-----
DNMT3_X.trop	-----	-RGGLSWETS	LRQRPM	-----	-----	-----	-----
DNMT3_D.giga	-----	-----SI	LKRTCE	-----	-----	-----	-----
DNMT3_H.rob	-----	-----	SSYD	-----	-----	-----	-----

DNMT1_H.sapi	-----	-----	-----	DDPSLE-G	GVNGKNLGPI	NE	-----
DNMT1_M.musc	-----	-----	-----	ENPSME-G	GINGKNLGPI	NQ	-----
DNMT1_P.hydr	-----	-----	-----	DAPNHA-S	GVPTRSIGPI	NE	-----
DNMT1_D.reri	-----	-----	-----	DNP CMD-G	GVPAKKLGPI	NA	-----
DNMT1_A.mell	-----	-----	-----	ENSCPE-G	GVPTKDMGPI	NE	-----
DNMT1_A.digi	-----	-----	-----	ENPSPE-G	GVPTKNIGPI	NE	-----
DNMT1_A.quee	-----	-----	-----	ENPDPS-D	GIPTRQLGPI	NS	-----
DNMT1_C.giga	-----	-----	-----	ENSSPE-G	GIRACKMGPI	NE	-----
DNMT1_C.inte	-----	-----	-----	EDPGVG-T	GIPGKRLGPI	NE	-----
DNMT1_C.tele	-----	-----	-----	ENPSPE-D	GILTTKLGPI	NE	-----
DNMT1_C.crux	-----	-----	-----	DNSSLE-G	GVAACKLGPI	NE	-----
DNMT1_E.feti	-----	-----	-----	ENSNVE-G	GICTRNMGPI	NE	-----
DNMT1_H.symb	-----	-----	-----	ENPDKE-G	GVCTKKMGPI	NE	-----
DNMT1_H.vulg	-----	-----	-----	ENPDIE-G	GISTKAMGPI	NE	-----
DNMT1_M.leid	-----	-----	-----	DSPSLE-G	GVAGSKLGPI	DS	-----
DNMT1_N.vect	-----	-----	-----	ENPSPE-G	GVPTKILGPI	NE	-----
DNMT1_T.giga	-----	-----	-----	EDPSSQ-G	GIPTRNMGPI	NE	-----
DNMT1_O.fave	-----	-----	-----	ENPSPE-G	GVPTK SIGPI	NE	-----
DNMT1_P.dami	-----	-----	-----	ENPSPE-G	GVPTKALGPI	NE	-----
DNMT1_S.invi	-----	-----	-----	ENPSPE-G	GIPTKDMGPI	NE	-----
DNMT1_S.purp	-----	-----	-----	ENSSIE-G	GIPTKRMGPI	NE	-----
DNMT1_S.pist	-----	-----	-----	ENPSPE-G	GVPTKALGPI	NE	-----
DNMT1_X.trop	-----	-----	-----	DNPSLD-G	GVRACKLGPI	NA	-----
DNMT1_A.mill	-----	-----	-----	ENPSPE-G	GVPTKNIGPI	NE	-----
DNMT1_A.cali	-----	-----	-----	ENPSLE-G	GIPCRNMGPI	NE	-----
DNMT1_D.giga	-----	-----	-----	DNISAD-G	GISTKGIGPI	NE	-----
DNMT1_H.rob	-----	-----	-----	DNPSIEAG	GICTRNMGPI	NQ	-----
DNMT1_S.cili	-----	-----	-----	DTTDVS-V	GVLTARLGPI	DV	-----
DNMT3a_H.sapi	-----	-----	-----	PRLTFQAG	DPYYISKRRR	DE	-----
DNMT3b_H.sapi	-----	-----	-----	PRSTRGRQ	GRNHVDESPV	E	-----
DNMT3a_M.musc	-----	-----	-----	PRLTFQAG	DPYYISKRRR	DE	-----
DNMT3b_M.musc	-----	-----	-----	PRITRGRQ	GRHHVQEYPV	E	-----
DNMT3_S.cili	-----	-----	-----	ERPDID			-----
DNMT3_A.mill	-----	-----	-----	STSDDE			-----
DNMT3_A.mell	-----	-----	-----	QKP			-----
DNMT3_A.digi	-----	-----	-----	STSDDE			-----
DNMT3_A.quee	-----	-----	-----	STSPVDSG	GPAGIAASEE	KK	-----
DNMT3_C.giga	-----	-----	-----	SKSYKEKG	GPKKSSQG		-----
DNMT3_C.inte	-----	-----	-----				-----
DNMT3_C.tele	-----	-----	-----				-----
DNMT3_C.crux	-----	-----	-----	GTP			-----
DNMT3_H.symb	ITVTSYADV	TPRIITNASV	DRASMSDKSI	EHEDSCSDDS	GIIDISLSKS	DLSYESSSL	HSGSNADVSE
DNMT3_H.vulg				EKMTHTIQ	RSPDKILSNI	EH	
DNMT3_M.leid	-----	-----	-----	EIHRPDLI	KLPDRDLMLL	D	-----
DNMT3_D.reri	-----	-----	-----	PQQQPP			-----
DNMT3_N.vect	-----	-----	-----	DNQTPE-K	GKEQRELDKN	NS	-----
DNMT3_T.giga	-----	-----	-----	SNQELD			-----
DNMT3_O.fave	-----	-----	-----	EEPEA			-----
DNMT3_P.dami	-----	-----	-----	TPTSSDKE	TANHEEVEPV	K	-----
DNMT3_S.invi	-----	-----	-----	EECGNEVD	GALLLAQKIV	NDDSTKDEKF	DEEYEALNNT
DNMT3_S.purp	-----	-----	-----	GOEDSGQV	FGSPNADGKI	DTPSVIEKD	KKRTSDKTKK
DNMT3_S.pist	-----	-----	-----	TSTSSDKE	TPNLKEVEPI	K	-----
DNMT3_X.trop	-----	-----	-----	QRLPFQAG	DPYYISKRRR	DE	-----
DNMT3_D.giga	-----	-----	-----	DNLDSV			-----
DNMT3_H.rob	-----	-----	-----				-----



[illegible]

DNMT1_H.sapi	LR	HAQFV	VEQVESYDEA	G	DSDEQPI	FLTPCMRDLI	KLAVGTLGQ	
DNMT1_M.musc	LR	HAQFV	VSQVESYDEA	K	DDDETPI	FLSPCMRALI	HLAVGSLGQ	
DNMT1_P.hydr	LA	HSKFL	HDQIISYDEA	G	DDDEPSI	LDVPCIKRLI	NLTGLSGAR	
DNMT1_D.reri	LR	HAQFV	VEQVESYDEA	G	DSDEQPI	IITPCMRDLI	KLAVGTLGK	
DNMT1_A.mell	LR	YAQFI	CDQVISFDAS	A	GPEDPLL	ITSPCMRALV	TLAVGTLNK	
DNMT1_A.digi	LR	HAQFL	VEQVESYDQA	A	DDDELPL	LISPCMRDLI	KLAVGTLGK	
DNMT1_A.quee	LR	HAQFI	VEQVESYDQY	C	DEDEDLL	LVSPCMRALI	KLAVGTLGK	
DNMT1_C.giga	LR	HAQFV	LDQVQSDEA	A	EEDEGLL	ITTPCMRALI	KLAVGTLGK	
DNMT1_C.inte	LR	HAQFV	VEQVESYDNA	R	SDEEDSL	LGTTCVRDLI	HLAVGTLGK	
DNMT1_C.tele	LR	HAQWI	VDQVESYDNA	G	EDEDILL	IATPCMRALI	KLAVGTLGK	
DNMT1_C.crux	LR	HAQFL	VEQVESYDSV	A	DEDELIL	ITTPCLRDLI	KLAVGTLGK	
DNMT1_E.feti	LR	HSQWV	VDQVESYDEA	A	DEDETLL	VTVPVCRALI	KLAVGTLGK	
DNMT1_H.symb	LR	HAQFL	VDQVESFDSA	AA	NEEEPPL	IATNCMRDLI	KLAVGTLGK	
DNMT1_H.vulg	LQ	HAQFL	VEQVESYDSA	AL	DEEDSPRL	ITSCCMRDLI	KLAVGTLGK	
DNMT1_M.leid	LR	HAQFL	VEQIESYDHA	A	DEDEDLL	ITIPAVRGLI	ELAVGTLGG	
DNMT1_N.vect	LR	HAQFL	VEQIENYDSA	G	DTDELPL	IVTPCIRDFI	KLAVGTLGK	
DNMT1_T.giga	LR	HAQFV	VDQIQSYDSA	A	ADDEFLI	IASPCMRALI	KLAVGTLGK	
DNMT1_O.fave	LR	HAQFL	VEQVESYDLA	A	DDDELPL	LVSPCMRDLI	KLAVGTLGK	
DNMT1_P.dami	LR	HAQFL	VEQVESYDQA	A	DDDELPL	LVTPCMRALI	KLAVGTLGK	
DNMT1_S.invi	LR	HAQFI	CDQVLSSDNN	VG	SSSDETLI	ITAPCMRSLM	HLSGVTLGK	
DNMT1_S.purp	LR	HAQFV	VEQVESYDEA	A	DLDEVLL	ITMPCMRDLI	KLAVGTLGK	
DNMT1_S.pist	LR	HAQFL	VEQVESYDQA	A	DDDEVPL	LVTPCM SALI	KLAVGTLGK	
DNMT1_X.trop	LR	HAQFV	VEQVESYDEA	G	DSDEQPV	IVTPCMRDLI	KLAVGTLGK	
DNMT1_A.mill	LR	HAQFL	VEQVESYDQA	A	DDDELPL	LISPCMRDLI	KLAVGTLGK	
DNMT1_A.cali	LR	HAQFV	VDQVQSDEA	A	ADDEPLL	IVTPCMRALI	KLAVGTLGK	
DNMT1_D.giga	LK	HAQFL	VEQVENFDSA	G	EEDELPL	LITPCMRDLI	NLSGVVLGK	
DNMT1_H.rob	LQ	HAQFI	IDQLQSYDDT	A	DTEDVLL	IIQPCIRTLV	KLTVGTLGR	KNKSFGNTQQ
DNMT1_S.cili	LR	HAQFV	VEQVENYDTP	D	DAQSYF	VLSPCIRALI	RLAVGTLGR	
DNMT3a_H.sapi	FG	IGELV	WGKLRGFS				WWPGRIVSW	
DNMT3b_H.sapi	FG	IGDLV	WGKIKGFS				WWPAMVVS	
DNMT3a_M.musc	FG	IGELV	WGKLRGFS				WWPGRIVSW	
DNMT3b_M.musc	FG	IGDLV	WGKIKGFS				WWPAMVVS	
DNMT3_S.cili	LG	IGDFV	WGKMRGFD				WWPGSIVSA	
DNMT3_A.mill	FV	HGQLI	WGRLKGYD				WWPGLIVSH	
DNMT3_A.mell		GIIA	WAKIAGHN				WWPAMIIDY	
DNMT3_A.digi	FV	HGQLI	WGRLKGYD				WWPGLIVSH	
DNMT3_A.quee		GSLI	WGKLPGYE				WWPGCIISFD	KKKLIEVVKD
DNMT3_C.giga	SQ	VGNIV	FASLKGSAI	SR			WWPAIVIEG	
DNMT3_C.inte		LLV	WGKCRGFG				WWPGRIANTG	E
DNMT3_C.tele								
DNMT3_C.crux		GELI	FGNLKGFD				WWPARIISH	
DNMT3_H.symb	KRKIR	VGDLV	LGKLGKFD				WWFGKVITF	
DNMT3_H.vulg	FFQIK	IGDLV	LGKLGKGYD				WWFGMVVSH	
DNMT3_M.leid	SE	VGCVV	LGKLVRYG				WWPGLIADP	
DNMT3_D.reri	FG	INELV	WGKLRGYS				WWPGRVVS	
DNMT3_N.vect	FP	GVLV	WSKLKGYD				WWPGRVVTY	
DNMT3_T.giga		GEII	WAKLGSTR				WWPAIVIWG	
DNMT3_O.fave		GQLI	WGRLKGYD				WWPGCVVSY	
DNMT3_P.dami	YL	IGQLI	WGRLKGF				WWPGQVIN	
DNMT3_S.invi	RALVKT	YKEYR	AGKLV	WGFFSG			WWPALIEA	
DNMT3_S.purp	EIKIKEEAEK	YGCI	FRGQV	FGKMKGFC			WWPGRIVHH	
DNMT3_S.pist	YL	IGQLT	WGRLKGF				WWPGRVISH	
DNMT3_X.trop	FG	IGELV	WGKLRGFS				WWPGRIVSW	
DNMT3_D.giga		GQLI	WGKLGKFD				WWPGMVVEL	
DNMT3_H.rob	FE	IGQIV	WARLYFCS				FWPAVIIDG	

DNMT1_H.sapi	--RRAQARRO	TIRHS	----	TR	EKDRGPTKAT	TTKLVDYQIFD	TFFAEQIEKD	DREDKENAFK	
DNMT1_M.musc	--RRATRRVM	GATKE	----		-KDKAPTAT	TTKLVDYQIFD	TFFSEQIEKY	DKEDKENAMK	
DNMT1_P.hydr	--KRSRGKKS	VSURS	----	LVR	KTTRKDTKAT	TTALVGYVFD	SFFQNELDS	----	TTPSKK
DNMT1_D.reri	--RRAARRQA	VRHPT	----	KIE	KDNKGPTKAT	TTKLVDYLIFD	TFFSDQIDQ	----	NNKDGGVK
DNMT1_A.mell	--RIALRRTO	PRDQK	----		NKKTTWTAT	TTKLVDNNMFE	TFFSDQIAT	----	NNDKEISGPK
DNMT1_A.digi	--RRAARGVK	VRTEK	----		-KQARPSKAT	TTPLVRQIFD	IFFKDQIDG	----	KEIGAIR
DNMT1_A.quee	--RLSSRRPH	QPKVK	----		-KTKQTKAT	TTPLVRDIFE	TFFKNQIDN	----	KSSSAPR
DNMT1_C.giga	--RRQMRKEL	RKTKD	----	K	VKKPAFTMAT	TTTLVTQIFD	SLFQGEIDD	----	KSGQGSK
DNMT1_C.inte	--RRVARRSA	VVKEK	----		AMKASSTKAT	TTTLVAEVME	KFFGGTVDV	----	TTGNKIR
DNMT1_C.tele	--RRVISRQG	KSRVL	----	K	KQKPTFTMAT	TTSLVKSIFD	SIFQDQIED	----	KLAKVK
DNMT1_C.crux	--RRALRGVK	ARASA	----		KAKPTRTMAT	TTPLVQHVF	IFFKDQIDS	----	KGLSAAR
DNMT1_E.feti	--RRAMRKEM	RKEVK	----	QKKD	KTASKDSMAT	VTPLVQNIFD	NMFQGGIDE	----	KGHATK
DNMT1_H.symb	--RRQLRGVK	VKA EK	----		-KALGPTLAT	TTPLVRYVFD	TFFKDQIDL	----	KATSAQR
DNMT1_H.vulg	--RRQMRGLK	VKEEK	----		-KTLGPTLAT	TTPLVRHVFD	TFFKNQIDL	----	KGVTTR
DNMT1_M.leid	--NQOSRARP	ERP VV	----	KSKAAGK	TKSTDISHAT	VTPLVQSSFE	AIFVDQMQA	----	TSR
DNMT1_N.vect	--RRTARKIK	VKSRA	----	EL	KKKQAPTAT	TTTLVRHIFD	IFFQNDQIDG	----	KNGNAPR
DNMT1_T.giga	--RQALRRAE	REIKI	----		-KRPSFSLAT	TTPLVHAVFE	HFFQEQLR	----	GNNYKGPTVR
DNMT1_O.fave	--RRAARGVK	VRLDK	----	K	KKVASPSKAT	TTPLVRHIFD	IFFENQIDG	----	KETSAPR
DNMT1_P.dami	--RRAARGVK	VRLDK	----	K	KKDTGPSKAT	TTPLVRNIFD	IFFQDQIDG	----	KETRISR
DNMT1_S.invi	--KSAIRLSK	RQPKI	----		-KKPSWSMAT	TTKLVSNNMFE	NIFADQLAK	----	HNDMKVGPQR
DNMT1_S.purp	--RRATRCAA	AVKQD	----		-KKPVFTMAT	VTPLVSHIFD	AIFKDQIAD	----	EMKAAANER
DNMT1_S.pist	--RRAARGVK	VRLDK	----	I	KKDTPGSKAT	TTPLVRNIFD	IFFQDQIDG	----	KETRTRR
DNMT1_X.trop	--RRAARRQA	IRHPT	----	KIE	KDNKGPTKAT	TTKLVDYQIFD	TFFSEQIEK	----	DADKGIK
DNMT1_A.mill	--RRAARGVK	VRTEK	----		-KQARPSKAT	TTPLVRQIFD	IFFKDQIDG	----	KEIGAIR
DNMT1_A.cali	--RRQLRKDV	GRVKA	----	K	KEKPKHTMAT	VTPLVRNIFD	SLFQGGIDE	----	ESSKTK
DNMT1_D.giga	--RRNPRGIR	IKPEK	----		KKKSGPTKAT	TTPLVRYVFD	MFFQNEIDG	----	KTDAGGKR
DNMT1_H.rob	TNRKTROOOO	IAAKT	----		AQKKKDSKAT	VTPLVREVF	SLFKGQIEG	----	QSSAATK
DNMT1_S.cili	--KRRGIRRRP	APRAP	----	RPKKE	KKIASAMAV	TTPLVRNIFD	VFFQDQIDG	----	KVATSGR
DNMT3a_H.sapi	--WMTGRSRA	AEGTR	----	WVMWFGD	GKFSVVCVEK	LMPL--SSFC	SAFHQATYN	----	KQPMYR
DNMT3b_H.sapi	--KATSKRQA	MSGMR	----	WVQWFGD	GKFSVVCVEK	LVAL--GLFS	QHFNLATFN	----	KLVSYR
DNMT3a_M.musc	--WMTGRSRA	AEGTR	----	WVMWFGD	GKFSVVCVEK	LMPL--SSFC	SAFHQATYN	----	KQPMYR
DNMT3b_M.musc	--KATSKRQA	MPGMR	----	WVQWFGD	GKFSVVCVEK	LVAL--GLFS	QHFNLATFN	----	KLVSYR
DNMT3_S.cili	--GRANQVST	TPGHT	----	WVCWFGD	NQFSQILLTR	IRPL--TDFR	QYLLRRKPK	----	SLYR
DNMT3_A.mill	--LEAQKAPP	ALSNH	----	WIKWFGD	NKLSLLPFQC	LRPF--SKFK	ESLIPSKMR	----	GIYK
DNMT3_A.mell	--RDCCMREP	TFGCQ	----	WIMWYGD	YKLSVHHQL	-----FLRFD	KGMEKMRDY	----	TSNTK
DNMT3_A.digi	--LEAQKAPP	APSNH	----	WIKWFGD	NKLSLLPFQC	LRPF--SKFK	ESLIPSKMR	----	GIYK
DNMT3_A.quee	EDDDDEDTEE	DEEEKEDGG	ESVWVKWYGD	NQLSQISFCK	IFPF--GSNFL	EFFSPNKLK	----	GLYK	
DNMT3_C.giga	--KEV--NKSE	KSGFL	WIFWFGD	HRISQVMASN	IGDFASNFTK	FGLCNKAVK	----	NCPNFI	
DNMT3_C.inte	--LSGPIDPP	DDPTR	WIKWFGD	EKFTETKVDD	MAYL--HDFN	AYFKEKSYN	----	RNRSYN	
DNMT3_C.tele									
DNMT3_C.crux	--VEAKORRP	IDGHS	----	WVRWFGD	YKISEILLSS	MVSF--SEFP	TKFRPTRMR	----	GIYK
DNMT3_H.symb	--RKAKESPP	SEGCS	----	WVYWYGD	HKKSEMLTDR	LESL--SLFP	LRFAPKKMK	----	GLYR
DNMT3_H.vulg	--RVIRORPA	ANDCH	----	WIRWYGD	HKVSEVHLQN	IELL--TSFS	NRYLP SKMQ	----	GLYL
DNMT3_M.leid	--RKSPR--PC	LPNER	----	LVYWFGD	CTKSLIDIKD	IAPI--TKFP	DVYQPSKKG	----	IYR
DNMT3_D.reri	--RMTRRSPA	AEGTR	----	WVTWFGD	GKFSVVCVEK	LLPL--SSFH	NAFHQPTYN	----	KQPMYK
DNMT3_N.vect	--MEAGRPPP	GPGNH	----	WVKWFGD	NKFSQVPQDT	VLPF--AEFK	SNFLVTMKK	----	GLYK
DNMT3_T.giga	--ADCGOPPA	RPGQT	----	WVFWFGD	HKISELPRDK	LVDFV--GDFS	SKFTDFAGK	----	MFK
DNMT3_O.fave	--NEAQKAPP	SPSTH	----	WVKWFGD	NKLSMLPVQC	LRPL--SPFS	ESFNLPMKR	----	GLYR
DNMT3_P.dami	--IEAQKFPA	VEGSY	----	WIKWFGD	NKISMLPVVC	LRPL--YEFK	ESFHL SRMR	----	GLYK
DNMT3_S.invi	--EHVGMAP	APGKM	----	WVYWLGE	SHISLLKEGT	QIQPFSRNLE	ERLSQQSHK	----	SIRT
DNMT3_S.purp	--YDRSIREPP	PPLTR	----	WVQWFGD	DKYSLLSLGQ	IAGL--EDFP	DYFSVSAFQ	----	KWGLYQ
DNMT3_S.pist	--IEAQKSPA	VEGSY	----	WIKWFGD	SKLSMLPVVC	LRPL--SEFK	ESFHL SRMR	----	GLYK
DNMT3_X.trop	--WMTGRSRA	AEGTR	----	WVMWFGD	SKFSVVCVEK	LLPL--SSFA	GTFHQATYN	----	KQPMYR
DNMT3_D.giga	--KNLTQTDN	QINDV	----	WVKWYGD	NKFSKLLKNE	IVLF--RHFR	SKFSPSKWK	----	GVYK
DNMT3_H.rob	--AMCGQKQA	SHDNY	----	WVFWFGD	HKVSEVTLNN	VVDF--RTTFD	QNYNNKNFK	----	KNYE

DNMT1_H.sapi	RRRC	GVCE	VCOQPECGK	CK					ACKD	MVKFGG	SGR
DNMT1_M.musc	RRRC	GVCE	VCOQPECGK	CK					ACKD	MVKFGG	TGR
DNMT1_P.hydr	RTRC	NVCE	ACIRLDCGK	CK					MCRD	KKKFGG	MGI
DNMT1_D.reri	RORC	GVCE	VCOAPDCGK	CS					ACKD	MIKFGG	SGR
DNMT1_A.mell	RHRC	GICE	TCQOPDCGV	CT					ACKD	MIKFGG	SGR
DNMT1_A.digi	RKRC	GVCE	VCQLPDCGK	CK					SCKD	MVKFGG	TGK
DNMT1_A.quee	RRRC	GVCE	TCQOPDCGK	CN					ACAD	MIKFGG	TGR
DNMT1_C.giga	RRRC	GICE	ICQOPDCGK	CT					ACKD	MVKFGG	SGK
DNMT1_C.inte	RRRC	GVCE	ACLKPECGK	CT					SCKD	MVKFGG	GGK
DNMT1_C.tele	AQRC	GICE	VCOAPDCGT	CK					NCKD	MVKFGG	SGR
DNMT1_C.crux	RKKC	GVCE	ACQOPDCGK	CT					SCRD	MKKFGG	SGR
DNMT1_E.feti	RTRC	GICE	VCOQSDCGQ	CR					ACLD	MVKFGG	SGR
DNMT1_H.symb	KRRRC	GVCE	ICQOPDCGK	CK					ACKD	MVKFGG	TGK
DNMT1_H.vulg	RKRC	GVCE	ICQOPDCGV	CR					SCKD	MVKFGG	SGR
DNMT1_M.leid	KTRC	NECE	VCNLPDCGE	CA					ACKD	MFKFGG	SGK
DNMT1_N.vect	RKRC	GVCE	TCQOPNCGK	CS					ACRD	MVKFGG	TGK
DNMT1_T.giga	RKRC	GVCE	VCQLPDCGK	CS					ACKD	MVKFGG	SGR
DNMT1_O.fave	RKRC	GVCE	VCOQOPDCGK	CK					SCRD	MVKFGG	PGR
DNMT1_P.dami	RKRC	GVCE	VCOQOPDCGK	CK					SCRD	MVKFGG	TGR
DNMT1_S.invi	RMRC	GVCE	TCQOPDCGV	CV					ACKD	KPKFGG	RGI
DNMT1_S.purp	KKRC	GVCE	VCOAPDCGK	CT					ACKG	MIKFGG	SGK
DNMT1_S.pist	RKRC	GVCE	VCOQOPDCGK	CK					SCRD	MVKFGG	TGR
DNMT1_X.trop	RRRC	GVCE	VCOQOPDCGQ	CK					ACQD	MLKFGG	AGR
DNMT1_A.mill	RKRC	GVCE	VCQLPDCGK	CK					SCKD	MVKFGG	TGK
DNMT1_A.cali	KQRC	GICE	VCOQOPDCGK	CA					ACRD	MVKFGG	TGR
DNMT1_D.giga	RGRC	NVCE	TCQOPDCGE	CK					ACRD	MKKFGG	TGR
DNMT1_H.rob	RRRC	GVCE	ACQMPDCGK	CR					SCMD	MIKFGG	SGR
DNMT1_S.cili	RERC	NVCE	ACROSDCGK	CP					PCRT	MTKFGG	DGK
DNMT3a_H.sapi	KAIY	EVLO	VASSR								AGK
DNMT3b_H.sapi	KAMY	HALE	KARVR								AGK
DNMT3a_M.musc	KAIY	EVLO	VASSR								AGK
DNMT3b_M.musc	KAMY	HTLE	KARVR								AGK
DNMT3_S.cili	RAII	ECAD	SAALR								ANK
DNMT3_A.mill	RAVF	DSLE	VAVKR								SGK
DNMT3_A.mell	KHIYLV	GVLO	ASKDY								
DNMT3_A.digi	RAVF	DSLE	VAVKR								SGK
DNMT3_A.quee	KAVV	NSLK	EAARR	CSKD	IGCTLDERKP	SWIFHSSQFQ	VFLDERKALN	NLTQEEAIEA	TPEKIEQGEK		
DNMT3_C.giga	KGIN	EAIQ	ICAER								
DNMT3_C.inte	LAVD	LAIK	EAHR								SGK
DNMT3_C.tele											
DNMT3_C.crux	RGIE	EALE	MFACH								
DNMT3_H.symb	KAVE	EMLT	EAAFR								
DNMT3_H.vulg	RAIK	ELLE	EAARR								
DNMT3_M.leid	VALY	DFLS	DAAES								
DNMT3_D.reri	KAIF	EVLO	VASTR								AGK
DNMT3_N.vect	KAVL	DALE	LAASRSN								QSF
DNMT3_T.giga	TGVV	EAIR	EVAVR								
DNMT3_O.fave	KAIH	TSLE	VAAKR	CGK	VFTK			PDNQ	QLRKNKQGG		
DNMT3_P.dami	TAII	TSLE	VAAKR	CGKV	FSKS			SKQE	KSKKGKRGGS		
DNMT3_S.invi	RAID	ATIQ	ILRQR		FNCTLTKPYY	YW		IQRN	ISDMETLDEL		AGK
DNMT3_S.purp	KACY	EALN	VAAKR								
DNMT3_S.pist	KAIH	DSLE	VAAKR	CGK				V	FSKSNKQSK		
DNMT3_X.trop	KAIY	EVLO	VASTR								ARK
DNMT3_D.giga	KAVV	SALE	VAAKR								
DNMT3_H.rob	KGVS	EACK	LYYSR								



DNMT1_H.sapi	SKQACQERRC	PNMAMKEADD	DEEVDDNIPE	-----M	PSPKKMHQ GK	KKKQN	-----	-KNRISWV	G
DNMT1_M.musc	SKQACLKRRRC	PNLAVKEADD	DEEADDDVSE	MPSPKKLHQG	KKKKQN	----	-----	-KDRISWL	G
DNMT1_P.hydr	TKQCCIHRRRC	IQMRAEEDDD	DEQDDPDEGL	EVLPNAAIEKR	PKPREA	-----	-----	-WDDIRWV	G
DNMT1_D.reri	SKQACQKRRRC	PNLAVKEADD	DENMDEEDVL	PVKDTKKMSQ	TKKKKQT	----	-----	-KNKISWV	G
DNMT1_A.mell	SKQACNRRRC	PNMAIQEADD	SDQEDDDFND	TLIENTKITQ	KMILKEFKHV	-----	-----	-EKEITWV	G
DNMT1_A.digi	KKQCCERRRC	PNMAVKEADE	DDDIGEDIED	AENVTLNKRI	TKKKSPTPKK	TKS	-----	-KSKVQWI	G
DNMT1_A.quee	SKQACVNRRRC	PYMAVQTAEF	EEDNDAADPD	LKNVKDLKSP	SKKIKKI	----	-----	-KTKVWEI	G
DNMT1_C.giga	AKQACINRRRC	PNMAMKEADE	DDILDDDDTD	EKLETKENKD	SPSTKKHKTV	LNT	-----	-KTKLSWV	G
DNMT1_C.inte	LKQTCIDRRRC	PNLGLDLMED	SDPDDKDEKV	-----K	PSPSKMKVIK	AG	-----	-KVTTSWV	G
DNMT1_C.tele	SKQACQORRC	PNMAVKDADD	NDALDDVDKE	NVMKPEKQPK	GEAKSRMLKF	KKQ	-----	-KSQLEWE	G
DNMT1_C.crux	SKQSCVLRRC	PYMEVKEADD	NDVGDDAEET	PANEAKALKQ	PRRGQEKVI	----	-----	-KTKLKWH	G
DNMT1_E.feti	SKQACLORRC	PNMAVKEAEE	DDILDDTEEP	DDPCKTIQTK	VKDLALGRAK	TEHLFSKV	----	-ASQVEWS	G
DNMT1_H.symb	AKQCCINRRRC	PNLAVQQADE	NAESQDEDAE	PLKSPLKSPL	KEDRSPKLSR	KGSEKIV	----	-KTKCKWA	C
DNMT1_H.vulg	SKQCCINRRRC	PNLAVQEAEE	DALCSQDEDE	PMLKSPSKTD	LSPRHHRKGQ	EK	-----	-KSFVKWA	C
DNMT1_M.leid	KROACVKRKC	PKIAVIRAEF	NAKDETDEPN	LAQSNQGKKK	LPEVKTEKKV	SS	-----	-NIDGKLT	G
DNMT1_N.vect	SKQCCINRRRC	PNMMVREADD	DEGLEDEEKD	DNGDKENKAE	SPHKPHHKT	KGQKTI	----	-KTKVWV	G
DNMT1_T.giga	SKQACSKRRRC	PNMAVQEAED	DDAQNEEMED	DMDRKVKETT	MKTMKKHQKK	KQ	-----	-KTVITWV	D
DNMT1_O.fave	KKQCCVERRC	PYMAVKEAEE	DEDVTEENAE	IENLSPNKEK	EKKNMATHIT	AKSQKVI	----	-KTKVKWL	G
DNMT1_P.dami	KKQCCERRRC	PNLAVEEAED	DEDVTEESSE	NVKMSPNKDM	VKKKKTTHTK	AKSKKGIN	----	-ETKVEWI	G
DNMT1_S.invi	QKQACIKRRRC	PNLAIQEAED	SDEEQYENEE	QYDNLEDKTV	QETKAESFKE	L	-----	-KKDIIWEKK	K
DNMT1_S.purp	AKQACKERRC	PNMAVQEADE	NDFDEMDDSN	KNGKMDKKKA	KRGRKLGSP	KKKK	-----	-RAKVTWI	G
DNMT1_S.pist	KKQCCERRRC	PNLAVEEAED	DEEAIEESSE	IKKMRPNKEM	VKKKETTHKT	AKSKKGIN	----	-ETKVEWI	G
DNMT1_X.trop	TKQACTORRC	PNLAVKEADE	DEEVEDVVEP	MPSPKKILQG	KKKKLEK	----	-----	-KNRISWV	G
DNMT1_A.mill	KKQCCERRRC	PNMAVKEADE	DDDIGEDIED	VENVTNLKRI	TKKKSPTPKK	TKS	-----	-KSKVQWI	G
DNMT1_A.cali	AKQACKERRC	PNMAIKTADE	DEEEDTEIDK	VSEENAAVVK	KHKAANA	----	-----	-KAKVTWV	G
DNMT1_D.giga	AKQCCINRRRC	PNIAVRQAED	NDGEDDPDME	VSAPLQDVKA	KNPKQKHAKL	RKV	-----	-QTKLKWI	G
DNMT1_H.rob	SKQACLIRRC	PYMSIKEADE	DDLLDDNSGE	IIKGKKRKM	HNKNSEK	----	-----	-TEAVTWI	G
DNMT1_S.cili	SKQCCVORRC	PYMEKAAED	DEDLAERKEQ	DGEDVSDKAK	SKQKRPKQA	RSDQSVI	----	-KTKVQWV	G
DNMT3a_H.sapi	LFPVCHDSDE	SDTAKAVEVQ	N	-----	-----	-----	-----	-KPMIEWA	L
DNMT3b_H.sapi	TFPSSPGDSL	EDQL	-----	-----	-----	-----	-----	-KPMLEWA	H
DNMT3a_M.musc	LFPACHDSDE	SDSGKAVEVQ	N	-----	-----	-----	-----	-KQMLEWA	L
DNMT3b_M.musc	TFSSSPGESL	EDQL	-----	-----	-----	-----	-----	-KPMLEWA	H
DNMT3_S.cili	QFPS	EW	PGTATVSTED	QSVLDNFCDT	PRO	-----	-----	-RHVLHWA	L
DNMT3_A.mill	VFAKSPIKQT	TQTKKKTATR	RAKVGAEQIA	GLHEDQEPLG	ERERQ	-----	-----	-EMMVQWA	M
DNMT3_A.mell	-----C	SRLGFDTN	-----	-----	-----	-----	-----	-WT	L
DNMT3_A.digi	VFAKCPKIKQT	TQTKKKTATR	RAKVGAEQIA	GLHEDQEPLG	ERERQ	-----	-----	-EMMVQWA	M
DNMT3_A.quee	SPVYSPDSSF	PNLQQEESI	FTQIESDQES	DSSPANGVKE	KGGGRGAKKT	KTGQFLLSLM	----	-EKDLLQWA	L
DNMT3_C.giga	-----	IAHNTEDM	TE	-----	-----	-----	-----	-EELLGWA	K
DNMT3_C.inte	TLESN	-----	-----	-----	-----	-----	-----	-ASGITWA	K
DNMT3_C.tele	-----	-----	-----	-----	-----	-----	-----	-----	-----
DNMT3_C.crux	-----C	NKLDLPSVDN	NKDSKDARL	-----	-----	-----	-----	-KAAIDWI	T
DNMT3_H.symb	-----C	SKEDLPLDDD	KRL	-----	-----	-----	-----	-QCLVDWA	L
DNMT3_H.vulg	-----CCKTDL	PDDEKRL	-----	-----	-----	-----	-----	-GVLVDWA	L
DNMT3_M.leid	-----C	NYTEINAPDS	VNIDESAL	-----	-----	-----	-----	-TSLIQWA	M
DNMT3_D.reri	TFLSCPASDD	TDSSKLVDVE	N	-----	-----	-----	-----	-KKMIEWA	M
DNMT3_N.vect	TRADLHLKLS	PKVSKKQRRK	KKLLSKDTET	PAEPDEPLSE	EEKC	-----	-----	-DAMVNWA	L
DNMT3_T.giga	-----	AEVEFVESDS	-----	-----	-----	-----	-----	-AGMLSWA	K
DNMT3_O.fave	MROAQIEQKE	SSEQKDEALT	DRERE	-----	-----	-----	-----	-DVMVKWA	V
DNMT3_P.dami	SRPG	KKAE	PNAEMEREDE	QLSEKKKI	-----	-----	-----	-EIMVQWA	L
DNMT3_S.invi	TFYPYPEHIL	ERLETLKEKN	AKATKKFILN	QKRDSPSREA	PPSKKQNIK	K	-----	-DVNTSWEQI	I
DNMT3_S.purp	DVSVAMPTPP	AYPGASIKER	QEYKAKMLER	C	-----	-----	-----	-REMVDWA	N
DNMT3_S.pist	KGKRGKKTE	PNAVMEKEDE	QLSDKEKI	-----	-----	-----	-----	-EIMVQWA	I
DNMT3_X.trop	VFPSCPENDE	SDTSKAVEIQ	N	-----	-----	-----	-----	-KQMLEWA	L
DNMT3_D.giga	-----	SNLLKSEDS	NNPNKDDRA	-----	-----	-----	-----	-KLLLDWG	L
DNMT3_H.rob	-----	IGKNADS	D	-----	-----	-----	-----	-KIALNWI	-



DNMT1_H.sapi	EAVKTD	---	G	KKSYYKVC	DAE	---	T	LEVGDVSVI	PD	DSSKPLY	LARVTALWED	---	SS	---	NG
DNMT1_M.musc	QPMKIE	---	E	NRTYQKVS	DEE	---	M	LEVGDVSVI	PD	DSSKPLY	LARVTALWED	---	KN	---	GQ
DNMT1_P.hydr	DAFATK	---	G	KRTFFSSARY	HSHTPDYSVH	---	V	VNIGDFISVL	PE	LPTDPLY	ICQVSYMWET	---	HPD	---	QR
DNMT1_D.reri	EPLKTE	---	G	KKEYYMKVR	ENE	---	V	LEVGDVSVS	PD	DPSHPLY	LARITALWDD	---	---	---	GE
DNMT1_A.mell	ESLIND	---	G	RRTFYKSMV	VDE	---	E	IKANDYVLIE	SN	DPTVPLQ	IAKVIYMWED	---	KN	---	GA
DNMT1_A.digi	DPEVH	---	G	KQNYTSLVLI	DKE	---	E	ICVGDFVMFR	PD	ENSHLALY	IACVRYMWEE	---	PN	---	GD
DNMT1_A.quee	EPDFVE	---	G	GKSYYTEVLI	NNK	---	EK	VCLYDVSVS	PE	VPDDPLY	LTRIMSMYED	---	SN	---	GK
DNMT1_C.giga	DPVLQD	---	G	KNSYYSAVLI	NDE	---	K	VSGDFISIK	PE	DVAIPVY	IAMVNYLWEN	---	AS	---	GN
DNMT1_C.inte	EALYEE	---	G	GKVYYPGVRV	GGD	---	V	IEGGECSVK	NK	DEGGLPY	IGRVVYMWGE	---	S	---	GG
DNMT1_C.tele	EPVLKK	---	S	KKTFYASARL	NGE	---	I	LSVGDYVSVK	PD	DPSTPVY	IAQIKYFYED	---	SD	---	GT
DNMT1_C.crux	EPYLEK	---	N	HKSFYKSVYV	QNE	---	L	ITVGDFVKVC	PD	DPSDPLY	ICQVAYMWER	---	QD	---	GK
DNMT1_E.feti	EVIRKE	---	G	NKSFYGVVLV	NGE	---	R	VEVGDFVCK	PD	DPSVPLY	IAQMRVWET	---	AA	---	GE
DNMT1_H.symb	EPHIEK	---	K	SKKMYKSVYI	NNE	---	M	ITVG DYVKVC	PD	NPTDPLY	ICRVTYMWED	---	FN	---	GK
DNMT1_H.vulg	EDFVER	---	K	GKKLYKSVQI	NNE	---	L	INIGEFVQVY	PT	DPSDPLY	ICRVMYMWED	---	LN	---	GD
DNMT1_M.leid	DPVSKS	---	G	KTYYKTAEV	DGN	---	S	LTLDGYVTIA	PD	TPDIAPY	VGRIISLFRK	---	G	---	GD
DNMT1_N.vect	EPAWIE	---	G	KKKYYSSVLI	NKK	---	K	VSLGDFVKVC	PD	DPHIPLY	IGCVQYMWES	---	SS	---	GE
DNMT1_T.giga	KPYQIE	---	N	GNKYKAVKI	NDD	---	I	VEYGDVSLVA	PA	DPSTPVY	IARVYMWES	---	PS	---	GA
DNMT1_O.fave	DPVKVS	---	G	KKKYYSSVLL	NNK	---	DE	IHVGDVFKVC	PD	NPDVPLF	ISRVCYMWEG	---	PS	---	GD
DNMT1_P.dami	DPKAVN	---	G	KKKYYSSVLI	NSQ	---	E	VQVGDFVKVR	PE	DPHMLPF	ISCVCYMWEA	---	AN	---	GD
DNMT1_S.invi	DKID	---	G	QRKFYKSVIV	GGE	---	K	IEINDYVLL	PK	DPTIPAQ	IYKVMYMWEE	---	N	---	KK
DNMT1_S.purp	EPEEVT	---	K	DRAFYKAAMI	DDQ	---	K	IEINGDCVQIH	PD	DPTKPLF	IARVIYMWQD	---	SD	---	GE
DNMT1_S.pist	DPMEVS	---	G	KKKYYSSVLI	NSQ	---	E	IHVGDVFKVR	PE	DPHMLPF	ISCVCYMWEA	---	AN	---	GD
DNMT1_X.trop	DPKITE	---	G	KKDFYLVKSI	DSE	---	I	LEVGDVSVS	PD	NPTTEPLY	LARITSMWED	A	---	---	CG
DNMT1_A.mill	DPEVH	---	G	KQNYTSLVLI	DKE	---	E	ICVGDFVMFR	PD	ENSHLALY	IACVRYMWEE	---	PN	---	GD
DNMT1_A.cali	APVKEE	---	G	KRKYFATAKV	NNV	---	E	ITAGDNVSIT	PA	DPTQPLY	MARVQYLFEE	---	R	---	GS
DNMT1_D.giga	EPVRHE	---	G	KKSFYECVEV	NNE	---	E	VNVNDFVKLS	PD	DPRVPLY	ICKIIEMWED	---	GK	---	GE
DNMT1_H.rob	SPLATKYANG	---	G	EKIFYLGAYI	GEH	---	I	VKIGDHVCVR	PD	DPAVPMY	VAQVRSMWQE	VVKRNNSY	---	---	GK
DNMT1_S.cili	EPAITK	---	G	KKKYYKKVLI	NDE	---	E	ICVGDCVLC	PE	NPTDPHY	IALVAYMWDN	---	E	---	GS
DNMT3a_H.sapi	GGFQPS	---	G	PKGLEPP	---	---	---	---	---	EEEKNPY	KEVYTMWVE	---	PE	---	AA
DNMT3b_H.sapi	GGFKPT	---	G	IEGLKP	---	---	---	---	---	NNTQPVV	NKSKVRRAGS	---	RK	---	LE
DNMT3a_M.musc	GGFQPS	---	G	PKGLEPP	---	---	---	---	---	EEEKNPY	KEVYTMWVE	---	PE	---	AA
DNMT3b_M.musc	GGFKPT	---	G	IEGLKP	---	---	---	---	---	NKKQPVV	NKSKVRRSDS	---	RN	---	LE
DNMT3_S.cili	GEFVPE	---	G	LDGLRPSELD	INN	---	AKR	SASGQTLPS	PD	GPLSPPY	STSPIGSSP	---	---	---	LP
DNMT3_A.mill	NGFKPN	---	G	PKGFAPIED	---	---	---	---	---	DMISDTS	VSVTSFM	---	---	---	DV
DNMT3_A.mell	D	---	D	AFEYFS	---	---	---	---	---	KPNHYDY	ASSANTWRR	---	ED	---	SV
DNMT3_A.digi	NGFKPN	---	G	PKGFAPPED	---	---	---	---	---	DMISDTS	VSVTSFM	---	---	---	DV
DNMT3_A.quee	TGFLPT	---	G	PDGFRP	---	---	---	---	---	RPEHLID	IKMFPE	---	---	---	GE
DNMT3_C.giga	EGFPR	---	G	QGHFFP	---	---	---	---	---	DPDDPLP	QMV	---	---	---	---
DNMT3_C.inte	EKFYPE	---	G	YLSILPKGYT	DDQ	---	---	---	---	---	---	---	KR	---	NM
DNMT3_C.tele	---	---	M	PK	---	---	---	---	---	---	---	---	---	---	---
DNMT3_C.crux	NGLSEK	---	E	RNALEG	---	---	---	---	---	HSGSQET	TSEVVENGDD	---	DS	---	EL
DNMT3_H.symb	TGFKPM	---	G	VNALYSVVE	---	---	---	---	---	DTEGSHS	LEQKSNISS	---	---	---	---
DNMT3_H.vulg	NGFQPY	---	G	FDKL	---	---	---	---	---	SIEETLT	LE	---	---	---	---
DNMT3_M.leid	DGFTPG	---	G	PPRKW	---	---	---	---	---	APSEHYH	SIE	---	---	---	---
DNMT3_D.reri	SGFQPT	---	G	PKGLDP	---	---	---	---	---	PESEPYE	MCEWVE	---	P	---	EA
DNMT3_N.vect	TGFQPO	---	G	ASGFAP	---	---	---	---	---	TLEETIF	LPPVSSDSDE	---	EE	---	AD
DNMT3_T.giga	NGFHTE	---	K	PNPYTP	---	---	---	---	---	DAGSPIP	ENVRKHL	---	NR	---	IK
DNMT3_O.fave	TGFKPS	---	G	PKGFAPTEAD	VMH	---	---	---	---	RPADTVT	EVDLTS	---	---	---	---
DNMT3_P.dami	NGFEPS	---	G	PEGFAPSEED	---	---	---	---	---	MVDTPVP	LNEMDLTSEE	---	---	---	---
DNMT3_S.invi	DDERLCLQH	---	G	QPGVIAWAKI	PGHCWWPAMI	---	VDYRDC	---	---	CLKEPIF	GCQWIMWYGD	YQVS	---	---	EV
DNMT3_S.purp	DKFLPQ	---	G	RESIQPSEE	---	---	---	---	---	DKQTPPI	PE	---	---	---	SP
DNMT3_S.pist	NGFEPS	---	G	PDGFAPSEED	---	---	---	---	---	MVDIPAP	VPQMDLTSEE	---	---	---	---
DNMT3_X.trop	GGFQPS	---	G	PKGLEPP	---	---	---	---	---	EEERNPY	KEVYTEMWVE	---	PE	---	AA
DNMT3_D.giga	DDFKPC	---	G	PEVFEEKAVQN	---	---	---	---	---	MOELSVY	PNMVDL	---	---	---	---
DNMT3_H.rob	---	---	---	SLYDTNDE	HAD	---	---	NML	KETDLSIPDW	---	---	---	Q	---	NE

DNMT1_H.sapi	QMFHAHWFC	GT--DTVLGA	TSDPLELFL	VDEC--EDMQ	LSYIHSKVKV	IYKAPSE	NW	A	-----
DNMT1_M.musc	MMFHAHWFC	GT--DTVLGA	TSDPLELFL	VGEC--ENMQ	LSYIHSKVKV	IYKAPSE	NW	A	-----
DNMT1_P.hydr	KWAHVNWTF	SK--ETILGE	LGDPAEVLR	SDLC--DDIS	LESFVEVIQV	TYDDPRK			-----
DNMT1_D.reri	KMFHAHWFC	GT--DTVLGE	SSDPLELFL	VDEC--EDMQ	LSFIHGKVN	FYKAPSE	NW	Y	-----
DNMT1_A.mell	KLCHANWFRR	GS--DTVLGE	TSDSLELFL	LDEC--DNVP	FASVKSKATV	IYKTNPK	NW	N	-----
DNMT1_A.digi	KMFHCRWFS	GS--ETILGE	TSDPREVFL	LDKC--DDNL	LGCIKQKCTV	TYNKPDA	DW	F	-----
DNMT1_A.quee	KMFHGWWFHR	ST--DTVLGE	TGDPRELFL	IDDC--EDNP	LGAIMDKVEV	EYKPPVS	NW	F	-----
DNMT1_C.giga	KMCHVQWLCR	GS--DTILGE	TADPLELFF	VDDC--ESIK	LESSLRKVKV	LHKETSP	DW	F	-----
DNMT1_C.inte	KMVHVDWFM	AA--DTILQE	TSQPDELLI	IDEC--DDL	VECIAGKVDV	SHRVPHQ	NW	S	-----
DNMT1_C.tele	MMFHAQWYSR	GS--DTVLGE	ASDPKELFV	VDEC--QNTQ	LAFCEAVKV	HYLTPAD	NW	Q	-----
DNMT1_C.crux	KVFHATWLLR	SS--DTVLGE	TGDPQELFC	CNEC--DDNP	LGSIMGKCKV	EFREIAD	NW	A	-----
DNMT1_E.feti	KMFHARWFR	GS--DTLLGE	TSDPLELFL	VDDC--QDTP	LNFIYKAKV	VYKSSA	DW	F	-----
DNMT1_H.symb	KMFHAQWLYR	SA--ETILGE	TGDPALFL	CDDC--DDNP	LGSIMCKCKV	QFNLPK	DW	F	-----
DNMT1_H.vulg	KKFHAQWLYR	SS--ETVLGE	VGDPSEVFL	SDDC--DDIK	LGAIMSKCNV	SSKFASE	NW	F	-----
DNMT1_M.leid	NNLHVHWLNR	AS--DTVLGE	AHDEHELFL	SDLC--DDAP	LGSVLGKVT	SYTPPS	DW	S	-----
DNMT1_N.vect	KLHFARWMTR	GA--ETVLGE	TADSAELFL	CDDC--DDNP	LGSVLETCEV	TYKDPVS	DW	L	-----
DNMT1_T.giga	KMFHLHWFCR	GS--DTVLGE	TSDPQELYV	VDEC--EDSQ	LDFVISRCEV	MYKPVSE	NW	C	-----
DNMT1_O.fave	KMFHCRWLSR	GS--DTILGE	TSDPTELFL	VDEC--GDNP	LGSILQKCTV	TPKLPS	DW	F	-----
DNMT1_P.dami	KMFHCRWFSR	GS--ETILGE	TSDSKELFL	VDEC--DDNP	LGSIVQKCVV	TQKLPEA	DW	F	-----
DNMT1_S.invi	KRFHGTRLRK	GI--DTILGE	TSDPMELFL	TDQC--IQAS	FTSVISKATV	IHRKILD	NW	A	-----
DNMT1_S.purp	MMFHAQWVY	GS--ETVLGE	ASDPLELFP	IDEC--QDTP	LASVNDNCV	IYKAPSP	DW	S	-----
DNMT1_S.pist	KLHFHCRWFS	GS--DTILGE	TSDSTELFL	VDEC--DDNP	LGSIVQKCVV	AHKLPEA	DW	F	-----
DNMT1_X.trop	PMFHAHWFC	GT--DTVLGA	TSDPLELFL	VDEC--EDMQ	LSYIHGKVKV	IYKAPSD	NW	F	-----
DNMT1_A.mill	KMFHCRWFSR	GS--ETILGE	TSDPREVFL	LDKC--DDNL	LGCIKQKCTV	TYNKPDA	DW	F	-----
DNMT1_A.cali	MQAHVHWYFR	GS--ETVLGE	ASDPLELFL	VDEC--DDNP	LEAVHAKVEV	LKFSIPS	DW	S	-----
DNMT1_D.giga	KMFHGRWMSR	ST--DTVLGN	TGDPKELFL	VDQC--EDNP	LGSIVAKCFV	SYLPPGD	DW	Y	-----
DNMT1_H.rob	AMFHARWLN	GG--DTVLGE	TSDPKELFL	VDEC--QDSP	LHFIAYPIKV	DYVIQSEMD	F	FGSGGGASHI	
DNMT1_S.cili	KTFHAWLSR	GS--ESILGE	AADPGEVFL	VDQC--DDNP	LGSILFKCAL	EHRAPSA	NW	R	-----
DNMT3a_H.sapi	AYAPPPPAKK	PR--KSTAE	KPKVKEI	IDER--	TRERL	VYEVQR	CR	N	-----
DNMT3b_H.sapi	SRKYENKTRR	RTADDSATSD	YCPAPKRL	KTNCYNNKGD	RGDEDSREQ	MASDVANNKS		S	-----
DNMT3a_M.musc	AYAPPPPAKK	P--RKSTTE	KPKVKEI	IDER--	TRERL	VYEVQR	CR	N	-----
DNMT3b_M.musc	PRRRENKSR	RTTNSAASE	SPPPKRLK	TNSY--GGKD	RGEDEESRER	MASEVTNNKG		N	-----
DNMT3_S.cili	STPRSSTAAS	RSLSNSVMVT	PRPQQMVQ	SDTR--	GSSGQOLE	RFALLRQKQV		S	-----
DNMT3_A.mill	ISSDVSESTA	DH--KSRFGK	PVNVPNL	AENI--	KA	LFEEVSKGKR		D	-----
DNMT3_A.mell	KIYDKYSARI	AE--KLNE	LKDNPNV	DDER--	ANDINNSD	FLRSAIKGEI		S	-----
DNMT3_A.digi	ISSDDSESTA	DH--KSRFGK	PVNVPNL	AENI--	KA	LFEEVSKGKR		D	-----
DNMT3_A.quee	SPAPGNQFII	KR--NELPME	RGRAVIDHD	YDKK--PENK	LVLLOQRNKA	QFELIKLGQL		A	-----
DNMT3_C.giga		--KTYLTK	IKDNLKL	VDTS--	KKRSPNKS	AVKALRAGEK		E	-----
DNMT3_C.inte	KGVKQSELNG	SP--EKKVKT	TISKPEM	--NC	QDFTKQSE	VFMKVREGLL		D	-----
DNMT3_C.tele									-----
DNMT3_C.crux	DSDDDNAYTK	SATSVKRFEA	TIHAPTIL	AEDV--		KR	LFDQVEDGQR		S
DNMT3_H.symb	---RELESGE	GALLKDRVGQ	ILQSPIL	SDGI--		KA	LFDRVHKGN		D
DNMT3_H.vulg	---DDAFIQE	GSETDSLTHN	EGEPLPSPIL	SEDV--		KA	LFDKAANGNM		D
DNMT3_M.leid			KDRFTR	TNNG--					-----
DNMT3_D.reri	ASYLPPPAKK	PR--KSTVTE	KPKVKEM	IDER--	TRERL	VFDVQR	CR	N	-----
DNMT3_N.vect	QTVNGSESTK	GR--FGK	PVKEPNL	VQDI--	KA	LFDEVVDGKK		G	-----
DNMT3_T.giga	TOYLQALQSL	GS--QNSLQP	RFSRMEQLEN	KDSA--			LKKVREGII		R
DNMT3_O.fave	---ETMPLTS	DH--KTRFGK	PVSEPNL	AEDI--KAL			FDAVRTGER		K
DNMT3_P.dami	---MTA	DQ--KARFGK	PINEPNLAEN	I--	KA	LFDAVADGKK		K	-----
DNMT3_S.invi	RHLEFLKFHK	GI--EKMRE	YIQNSNRQOY	LEGVLQASKD	YCSRLGCDTD	NWTLDNVFEY		F	-----
DNMT3_S.purp	PPSPVQERKR	SP--IKHSSR	NSPEKEPFE	-DKR		EE	RMKDVRGGKW		T
DNMT3_S.pist	---MTA	DQ--KARFGK	PINEPNL	AEDI--		KV	LFDAVVDGKK		K
DNMT3_X.trop	AYTPPPPAKK	PR--KSTE	KPKVKEI	IDER--	TRERL	VYEVQR	CR	N	-----
DNMT3_D.giga	---EGAWNRR	EG--KDRFGQ	PIRTPAL	AEDV--KSV			FDQAVSGII		S
DNMT3_H.rob	RIRIANDSDE	ED--DDVNSN	HS	NHDC--		RVKLNKDI	DSNTANQETW		F

DNMT1_H.sapi	----	MEGGMD	----	PESLLE	GDDGKTYFYQ	LW	YDQDYAR	FESPPKT	----	QPT	EDNKFKFCVS
DNMT1_M.musc	----	MEGGTD	----	PETTLPG	AEDGKTYFFQ	LW	YNQYAR	FESPPKT	----	QPT	EDNKHKFCLS
DNMT1_P.hydr	----	LKHDPD	VIPEQVKRSG		EDDPKSFVYR	FW	YDMDLAR	FTEVPQCF	----	FHA	GEKDSVVCRA
DNMT1_D.reri	----	MEGGMD	----	EDIKVI	DDDGESFFYQ	LH	YEGECAR	FETPPKV	----	TPS	EDCKYKFCAS
DNMT1_A.mell	----	ELGNAD	----	ILPEDEIQ	NKDGTFFYQ	KK	YIPETAR	FEDCSLDPE	----	CPR	KEISHRFCPA
DNMT1_A.digi	----	MKGGLD	----	EPEGDVSM	ENDGNTFFYQ	KW	YDPDHGR	FTDPPAEYLH	----	VVN	SEDNFRYCES
DNMT1_A.quee	----	MCGGEE	----	VSDDEKEI	EEDGKTFFVQ	KY	YDQSLAR	FEDIPSEYIR	YLISDDAHPP		TDGFIPQCAS
DNMT1_C.giga	----	MGGGIE	----	HPEKDFPI	EDDSNTFFYQ	KW	YDPDLAR	FEDIPTSD	----	KPK	DQRHHKFCLT
DNMT1_C.inte	----	FMGGVE	----	EQHP	TTDGVSSFFY	QKMYVPEFAR		FVDPP	----	SNE	PTDDPDFCPS
DNMT1_C.tele	----	MIGGDD	----	RGMNLDD	QEEGCAFFQ	KWLYDEDLAR		FEDVPI	----	VEN	VEKDVTFCCS
DNMT1_C.crux	----	LEGGID	----	NSLEEEHA	DDEKDTFYVD	KW	NDREDGR	FLDIPKD	----	FYK	PKDESHFCPS
DNMT1_E.feti	----	MVGGVD	----	DRETENLIP	EDDGRSFFQ	KW	YEPDMAR	FEDPHEDDL	----	KVI	EDATSNFCPS
DNMT1_H.symb	----	NEGGSN	----	VIEHDA	DDDKIELTLO	KW	YDVEEGA	FIDPPVE	----	FLY	NCFDERYCPC
DNMT1_H.vulg	----	MEGGKE	----	DCII	SEENNELFYQ	KW	YDYEDGL	FTDPPTE	----	FLL	SKFDEKYCPS
DNMT1_M.leid	----	MSGGMP	----	VP	EKQNEELFFK	FW	YDSRAR	FEAPREE	----	YLD	WNVDNGCCPA
DNMT1_N.vect	----	QGSAGM	----	EIETSDD	EHNDNTFFYH	KW	YHPMGR	FVDPPPEYQ	----	TKV	DRTQKFCES
DNMT1_T.giga	----	TLGGFH	----	NEENEGLAH	DDEKKTFFYQ	KW	YEPQICR	FEDPPDLT	----	IPK	SKDVRQLCIS
DNMT1_O.fave	----	MKGGLD	----	DQETDSMME	EEDGNTFFYQ	KW	YDHKRGR	FTDPPSEYTA	----	TVV	KTENFKYCES
DNMT1_P.dami	----	ORGGLE	----	EREADSMME	EDDGNNTFFYQ	KW	YDSEHGR	FTDPPSEYTA	----	ALD	RKENHKFCES
DNMT1_S.invi	----	ELGNTD	----	MDNNIR	DTNSKTFFYQ	KK	YDPDSAR	FEDPPPDPPE	----	CPG	EHISHRFCSS
DNMT1_S.purp	----	MLGGID	----	DPETDHVIK	EDDGKTFFYQ	KW	YDPDLAR	FEDYELLS	----	RPD	DVPAHRFCSC
DNMT1_S.pist	----	ORGGLE	----	EQEADSMME	EDDGNNTFFYQ	KW	YDCERGR	FTDPPSEYTT	----	GKD	RRGNKYKCES
DNMT1_X.trop	----	MEGGTH	----	TDIKVV	EDDGSTYFYQ	LW	YDPEYAR	FETPPTP	----	QPT	EDNKYKFCIS
DNMT1_A.mill	----	MKGGLLE	----	EPEGDVSM	ENDGNTFFYQ	KW	YDPDHGR	FTDPPAEYLH	----	DVN	SEENFRYCES
DNMT1_A.cali	----	MLGGID	----	DPDVDNVVQ	EDDGKTFFYQ	KF	YDPTLGR	FEDLPMYE	----	QCS	ESSKVDHCVS
DNMT1_D.giga	----	DRGGKE	----	VTEDESA	EDDGNHFFYQ	MW	YDEEFGR	FEQQLEDY	----	Q	RNEEELGCIS
DNMT1_H.rob	PGYQTSGLG		CGDNKGSND		NDDGKSFFCR	LS	YDQSKAR	FEDFSE	----	FDS	LDVVKNFLNT
DNMT1_S.cili	----	MEGGEE	----	EAAATS	GYGDKKFFYQ	KW	YDLEAAR	FEDPPADMLA	----	LLS	KSNARPECVA
DNMT3a_H.sapi	----	IE	----						----		DICIS
DNMT3b_H.sapi	----	LE	----						----		DGCLS
DNMT3a_M.musc	----	IE	----						----		DICIS
DNMT3b_M.musc	----	LE	----						----		DRCLS
DNMT3_S.cili	----	LS	----						----		NCCLC
DNMT3_A.mill	----	LE	----						----		CICLA
DNMT3_A.mell	----	FD	----						----		SLCLK
DNMT3_A.digi	----	LE	----						----		CICLA
DNMT3_A.quee	----	IE	----						----		NICIA
DNMT3_C.giga	----	LS	----						----		EICLS
DNMT3_C.inte	----	IA	----						----		NTCLG
DNMT3_C.tele	----		----						----		
DNMT3_C.crux	----	IE	----						----		TICLG
DNMT3_H.symb	----	IE	----						----		NLCLG
DNMT3_H.vulg	----	LN	----						----		KICLG
DNMT3_M.leid	----		----						----		SACVA
DNMT3_D.reri	----	IE	----						----		DICIS
DNMT3_N.vect	----	IE	----						----		DICLA
DNMT3_T.giga	----	IQ	----						----		DVCIA
DNMT3_O.fave	----	VE	----						----		GICLA
DNMT3_P.dami	----	IS	----						----		GICLA
DNMT3_S.invi	SNNIHKPYNQ		LQVSDSNKIY		DKYSSVIVNK	INDLKFKLVDV	DAERKRDIKA	SNDLRRAMSG	ECEMEALCLR		
DNMT3_S.purp	----	IE	----						----		EICIG
DNMT3_S.pist	----	IT	----						----		GICLA
DNMT3_X.trop	----	IE	----						----		DICIS
DNMT3_D.giga	----	IE	----						----		DICLG
DNMT3_H.rob	----		----						----	N	WKSEKGACLS

DNMT1_H.sapi	CARLAEMROK	EIPRVLE-QL	E----	DLDS	RVLYYSATKN	GILYRVGDGV	YLPPEAFTFN	IKLSSPVKRP
DNMT1_M.musc	CIRLAELRQK	EMPKVLE-QI	E----	EVDG	RVYCSSITKN	GVVYRLGDSV	YLPPEAFTFN	IKVASPVKRP
DNMT1_P.hydr	CERKEQRAMH	EHVICSD-EV	S----	RTEs	RTHFKSCSFR	GYTYSHLDFV	YLHPDAYPAS	SLYKNEskLV
DNMT1_D.reri	CTRNRKEREAE	SVPHAYE-PL	E----	DEESDS	KVFYGLVNYK	GEQYKVGDSV	YLPPEAFNFV	VKAASPVKRS
DNMT1_A.mell	CIRFTTLQCY	YTPKVFDRE	E----	KNSK	EVTYNIVKYK	NEEFVRGSAV	FLMPGAIKYK	YTSTYHISQK
DNMT1_A.digi	CVRSAAEENL	ETLSLGE-PL	E----	VDSKPSS	KSYYKSCSKG	GNRYKSGDCV	FLEPDAFSFN	VKPKESKKGF
DNMT1_A.quee	CERNNHMKTV	HSAPVIN-KI	E----	SEKPK	ITNYSSFQLN	EESYSIGDCV	YLSPTYSFSP	NVKKTSGTAA
DNMT1_C.giga	CDRLDQLRKK	ENPSLGP-EI	E----	SEDSSAT	RTFYSSVGRD	GFEYKVGDCV	YMEPSAFGFN	VKQPPAKKVK
DNMT1_C.inte	CVRINEGKMR	QVAVGKN-EL	K----	RENG	KIFYEFVCKD	GVEYGVGDSV	YLSVETYSFK	SKNKHKKQVL
DNMT1_C.tele	CVRLAEKKKK	ESPLLGE-KI	D----	SSKSS	RCSFSSVNYW	GESYSVGDCV	YVDPEAYGFH	IKPVNHKKSK
DNMT1_C.crux	CKRLREQTVF	DSVVPGD--V	VKSDEAETSK	KTFFQHVSYSK	GEKYNIA DCV	YLPNDAFNFR	TENKTPTKLP	IKIPSAKSNK
DNMT1_E.feti	CTRIQEQKLY	ETPIILGD-IA	GSPDEPKSS	KTYYSLLRYH	GEEIRIGDCA	YMNPEFSFST	IKIPSAKSNK	IKIPSAKSNK
DNMT1_H.symb	CDRESRKKKV	NTPOLME-EL	E----	DENTDS	TVYYRKFLWM	EQEFAIGDCV	YINPEAYKFK	KRVKNDQIKS
DNMT1_H.vulg	CERTKTKLKY	KOPTLGD-EL	E----	TENSTKS	EHCFKTVTWQ	GVCYSLGDCV	YLDPAFTFK	IKQKSEL PKN
DNMT1_M.leid	CIRKSEAERA	DIPHLDT----	-----	DTN	VLMYKNVQY-	-----	SIGDYV	YITPDAFSMP
DNMT1_N.vect	CIRISAEEL	REPTVQE-RI	D----	DNMDKTS	KEFYRSFTLN	GSEFTVSDCV	YLDPEAFSFN	VRPKESKPKH
DNMT1_T.giga	CKRITRLHEL	EMPOVGE-IL	E----	EREK	KIFYKAVSWN	KWDFRVGDCV	YLLAEAFSFP	NKSKSQGSKM
DNMT1_O.fave	CVRKTTOGOM	ETTSVGE-PL	E----	TDKSS	KTYYSCTKS	GIQYKVGDCV	FLGPEAFSFN	VKPKETKKGF
DNMT1_P.dami	CKROTAQKQL	ETPTVEE-PL	E----	KESKSSS	KTYYSKCNIN	GVQYKLGDCV	FLTPEAFSFN	VKPKETKKGF
DNMT1_S.invi	CMQLAIVTON	NIP-----KV	CNLLIEKRSSK	EVIIYEFVKYK	NEEYRVGTAV	FLHPDALKFK	YKRKYQESKQ	YKRKYQESKQ
DNMT1_S.purp	CLKMERIQEK	ESPRPGA-KL	E----	DOEDSS	RITYSSCHFK	GNEFQIGDGV	YLLPEAFSFN	IKQKVVTKKP
DNMT1_S.pist	CRROTAQEQL	ETPTVKE-PL	E----	RESKPS	KTYYSKCNVN	GVQYKLGDCV	FLTPEAFSFN	VKPKETKKGF
DNMT1_X.trop	CARLAEIRQR	EMPRVSC-PV	E----	DLDS	KVCYSTAIKN	DVQYKVGDCV	LLLPAFASFS	VKLGSMPKRP
DNMT1_A.mill	CVRSAAEENL	ETLSLGE-PL	E----	VDSKPSS	KSYYKSCSKA	GNRYKSGDCV	FLEPDAFSFN	VKPKESKKGF
DNMT1_A.cali	CYRLEQRRLL	EEVAVGE-EA	E----	SSSKTAS	YLYNSVRD	GLEHYVGDCV	YINPEGFDFL	IKHPAKSGKQ
DNMT1_D.giga	CYRLERIDEL	KTPRLGE-RT	E----	DDPSC	KT-YSSFTLN	GIQYRVGDAV	LLSPDAFDFK	VKPSSESKNI
DNMT1_H.rob	CASVNEKSIS	ETPFLDD-EV	G----	VDELLT	KFNYYTSTF-	-----	NKNGNGKF	LEFMTTITSS
DNMT1_S.cili	CTROAAEEQR	NEPTPGS-EI	K----	SEGS	TSFYSSFAFE	GDTYSVGSGA	YFLPTAFSFK	YKAPVKKPAL
DNMT3a_H.sapi	CGSLNVTLE-	-HPLFVG-GM	C----	QNC	KNCFLECAV	-----	-----	-----
DNMT3b_H.sapi	CGRKNPVSF-	-HPLFEG-GL	C----	QTC	RDRFLELFY	-----	-----	-----
DNMT3a_M.musc	CGSLNVTLE-	-HPLFIG-GM	C----	QNC	KNCFLECAV	-----	-----	-----
DNMT3b_M.musc	CGKKNPVSF-	-HPLFEG-GL	C----	QSC	RDRFLELFY	-----	-----	-----
DNMT3_S.cili	CGASGECVQQ	EHPLFAG-GI	C----	DAC	VPAFIECAV	-----	-----	-----
DNMT3_A.mill	CGDLRVCAK-	-HPLFKG-GL	C----	KEC	KTSFLENIY	-----	-----	-----
DNMT3_A.mell	CLRVSNDEMD	IHPFFEG-SL	C----	KDC	SERYKPCMF	-----	-----	-----
DNMT3_A.digi	CGDLRVCAK-	-HPLFKG-GL	C----	KEC	KTSFLENIY	-----	-----	-----
DNMT3_A.quee	CGSVNISAQ-	-HPLFYG-GL	C----	KHC	KETFMECAV	-----	-----	-----
DNMT3_C.giga	CDDIENVEVE	DHPLFFG-GL	C----	KSC	KEEWKESIH	-----	-----	-----
DNMT3_C.inte	CGNLEVSTQ-	-HPMFVG-GL	C----	QMC	EV DYRES CY	-----	-----	-----
DNMT3_C.tele	-----	-----	-----	-----	-----	-----	-----	-----
DNMT3_C.crux	CGDTKIHCQ-	-HPLFQG-GL	C----	KEC	KAAFVESAY	-----	-----	-----
DNMT3_H.symb	CGDTKVITQ-	-HPLFEG-GL	C----	KEC	KDSFIEHAY	-----	-----	-----
DNMT3_H.vulg	CGDLKCI ME	-HPLFIG-GL	C----	KEC	KESFMETAY	-----	-----	-----
DNMT3_M.leid	CQNRDSIHP-	-HPLFEGHQL	C----	DTC	MEDFSQCAY	-----	-----	-----
DNMT3_D.reri	CGSLYVSLE-	-HPLFIG-GM	C----	QSC	TNCFLECAV	-----	-----	-----
DNMT3_N.vect	CGDCKVY AQ	-HPLFEG-GL	C----	KEC	KQSFLECTY	-----	-----	-----
DNMT3_T.giga	CDSTSVEIAT	QHPLIEG-GL	C----	KQC	KDET VETMF	-----	-----	-----
DNMT3_O.fave	CGDNKVCAQ-	-HPLFEG-GL	C----	KEC	KTSFLENVY	-----	-----	-----
DNMT3_P.dami	CGDDR VFTE	-HPLFEG-GL	C----	KEC	KTSFLENVY	-----	-----	-----
DNMT3_S.invi	CLKIYKGKKE	EHPFFTG-SL	C----	KKC	SDEFKPCMF	-----	-----	-----
DNMT3_S.purp	CGGTSLTAK-	-HPLFVG-GL	C----	EVC	RIEYLEVAY	-----	-----	-----
DNMT3_S.pist	CGDDKVGTE-	-HPLFEG-GL	C----	KEC	KTSFLENLY	-----	-----	-----
DNMT3_X.trop	CGSLNVTLE-	-HPLFIG-GM	C----	QNC	KNCFLECAV	-----	-----	-----
DNMT3_D.giga	CGDIQISVR-	-HPLFHG-SL	C----	EEC	KETFLECVY	-----	-----	-----
DNMT3_H.rob	C--RANIGAY	NHPFLLG-KL	C----	ITC	KNRLIDNIF	-----	-----	-----

DNMT1_H.sapi	---	RKEPV	---	DEDLYPEHY	RKYSDYIKGS	NLDAPEPYRI	GRIKEIFC	-P	KKSNGRPNET	DIKIRVNFY
DNMT1_M.musc	---	KKDPV	---	NETLYPEHY	RKYSDYIKGS	NLDAPEPYRI	GRIKEIHC	---	GKKKGKVNEA	DIKLRLYKFY
DNMT1_P.hydr	---	SKENR	---	DEETYPEIY	RKTRESLKGS	NMDTPDPFRV	CQILDIYE	---	KEAGEEV	EVYAKLRKMY
DNMT1_D.reri	H	RKDDV	---	DEDLYPEYY	RKSSDYIKGS	NLDAPQFRI	GRIKEIFC	-N	KRSNGKPDTS	EIKLRLYKFY
DNMT1_A.mell	V	KKGKV	---	DEDMYPEYY	RKSSDHVKGS	NYDTPEPFHI	GYINSIYA	---	TNNKLVAAS	DIWIKINKMY
DNMT1_A.digi	K	KDDMV	---	DEEKYPEYY	RKPLEYVKGS	NYDVPEFVKI	GRIINIFT	-K	SSPGKLSKDL	DIMLTVGKFY
DNMT1_A.quee	NKKQKKEEEE	FDESEYPEKY	---	RKVSDYVKGS	NIDSPSPFOI	GOVLEIFSKS	LGGLIDNNK	---	IVHIKLRMY	
DNMT1_C.giga	T	ERKEV	---	DEELYPEGY	RKG-DYIKGS	NEVPEPFRI	GRILAIFCKK	---	SSGSKIANLG	EIKVKVAKFY
DNMT1_C.inte	PK	SLDEI	---	DEDEYPEFY	RKGG-YVKGS	NLEVAEPFRI	GRINEIFG	---	GKKX	SISLVVTKFY
DNMT1_C.tele	---	HEKPC	---	DDELYPEAY	RKG-DYVKGS	NLQNPDPFRI	AKIQEIY	---	KSGVS	TAVLYAQYLC
DNMT1_C.crux	---	KKPKV	---	DEEMYPEYY	RKSSDYIKGS	NANVSKPYKI	GRILSIFQ	---	KQNAFSEKG	STFIRIAKYY
DNMT1_E.feti	QE	RNRDL	---	NEDLYPEAY	RKG-DYIKGS	NEEVPEPFRI	AKILRIFV	-S	KASGKKPDCE	DVYFTVQKFY
DNMT1_H.symb	K	KEETF	---	DEETYPELY	RKTKDYIKGS	NVDIADPYRI	GCILNIMQ	---	KKGSYGDNT	DIVLHVRKFY
DNMT1_H.vulg	KSVVKDED	---	---	EYPELY	RKSNDYIKGS	NINIVEPFRI	GKIIISIIK	---	KTDNYGGMK	SIMLKVRKFY
DNMT1_M.leid	---	RKDNV	---	DDEMFPEYY	RK-TDYIKGN	NDLVPELYRI	GRIVSFST	---	KQEGLDGS	VVKVTVKKMY
DNMT1_N.vect	---	REGSV	---	DEDLYPEYY	RKSSEYVKGS	NQNVPEPLRI	GRIKSIYVKS	---	SSGKLKGDGD	DMVLTVTKFY
DNMT1_T.giga	I	SKKDV	---	DEELYPEYY	RK-TDYVKGS	NLDVPEPFCI	GRINSIFK	---	HNNQLGKSN	NSKLMVTKFY
DNMT1_O.fave	K	KSDKV	---	DEEVYPEYY	RKPAEYVKGS	NYDVPEPFKI	GRIVSIFT	-K	SSSGKLTEEL	EVMLTVSKFY
DNMT1_P.dami	K	KNEKV	---	DEEVYPEYY	RKPNEYVKGS	NYDVPPFEL	GRIVNIFT	-K	SSSGKLTEEL	DIMLTVNKFY
DNMT1_S.invi	L	NIKDV	---	NEDMYPELY	RKLDD--KQR	ESNTPEPFHI	GYINTIYA	---	TTTDLALPS	DIFIKVNKMY
DNMT1_S.purp	I	SKKDV	---	DEDLYPENY	RKHSEYVKGS	NLECPEPFRI	GKIVAIYT	---	TKSNS	KVKLQVNKLY
DNMT1_S.pist	Q	KKEMV	---	DEVVYPEYY	RKPTEYVKGS	NYDVPPFKI	GCIVNIFT	-K	SSSGKLTEEL	DIMLTVNKFY
DNMT1_X.trop	K	KKDDV	---	DEDLYPEYY	RKSSDYIKGS	NLDAPEPYRI	GRIKEIFC	-N	KRSNGKANES	DIKLRIYKFY
DNMT1_A.mill	K	KDDR	---	DEEKYPEYY	RKPLEYVKGS	NYDVPEFVKI	GRIINIFT	-K	SSPGKLSKDL	DIMLTVGKFY
DNMT1_A.cali	LRLKDKNM	---	---	DEDMYPESY	RK-TEYVKGS	NDGCPEPFRI	GRIVQISAKK	---	MSGSKLPDLA	EIKIKVNKFY
DNMT1_D.giga	KKANYQ	---	---	DELMYPERY	RKSSDYIKGS	NDDVPQPYRI	GEILTILS	-R	PSYSLKEETP	DIRLKVRKFY
DNMT1_H.rob	LKILNNRVIK	---	---	YDEDVPELY	RK-TEYIKGS	NEQVPEPFRI	ALVVGFFVKT	---	ESNSRKVKVE	EVNVVVQKFY
DNMT1_S.cili	PV	KKESV	---	DEELYPEYY	RKTWGHKGS	NLESPEPFRI	ARILQIFS	---	QPDVD	TLQVRVQKFY
DNMT3a_H.sapi	---	QYDDD	---	GYQSYCTIC	CGGREVLMCG	NNNCCRCFCV	ECVDLLVG	---	---	---
DNMT3b_H.sapi	---	MYDDD	---	GYQSYCTVC	CEGRELLLC	NTSCCRCFCV	ECLEVLVG	---	---	---
DNMT3a_M.musc	---	QYDDD	---	GYQSYCTIC	CGGREVLMCG	NNNCCRCFCV	ECVDLLVG	---	---	---
DNMT3b_M.musc	---	MYDED	---	GYQSYCTVC	CEGRELLLC	NTSCCRCFCV	ECLEVLVG	---	---	---
DNMT3_S.cili	---	CFDED	---	GSQTYCCIC	ADGKEVYLCD	SPGCARSYCP	LCIEKLCG	---	---	---
DNMT3_A.mill	---	LYDED	---	GSQMYCTIC	GDGKEVFMCD	NDGCFRSYCN	LCIGMLCG	---	---	---
DNMT3_A.mell	---	VFGND	---	SKCFYCTVC	AASGMVICT	KEDCPRVYCT	ACMKHLIC	---	---	---
DNMT3_A.digi	---	LYDED	---	GSQMYCTIC	GDGKEVFMCD	NDGCFRSYCN	LCIGMLCG	---	---	---
DNMT3_A.quee	---	MFDED	---	GSQMYCTIC	SGGSQVFMCD	TPNCSKVYCN	PCIEKLCG	---	---	---
DNMT3_C.giga	---	IYDDD	---	QTNTFCVIC	STGGDLVVC	DVNCCKSYCV	ECIKNYLS	---	---	---
DNMT3_C.inte	---	LLDD	---	GYSCYCCVC	GGGKRIFLCD	NQSCCRSFCF	ICLELMMG	---	---	---
DNMT3_C.tele	---	---	---	---	---	---	---	---	---	---
DNMT3_C.crux	---	LFDED	---	GSQMYCTIC	SDGREVLMCD	SPGCCRSYCG	VCIDMLCG	---	---	---
DNMT3_H.symb	---	LYDDD	---	GSQMYCTIC	SDGEQVILCD	KVGCCRSYCP	VCIDMLCG	---	---	---
DNMT3_H.vulg	---	LYDED	---	GSQMYCSIC	SDGREIILCD	VPGCYRSYCS	VCLDMFCG	---	---	---
DNMT3_M.leid	---	LFGDD	---	GAGSYCSVC	NEGGNLFICD	QSQCGRPYCP	ACIARVCG	---	---	---
DNMT3_D.reri	---	QYDDD	---	GYQSYCTIC	CGGREVLMCG	NNNCCRCFCV	ECVDLLVG	---	---	---
DNMT3_N.vect	---	LFDED	---	GYQMYCTIC	GDGKEVFMCD	NEGCFRSYCG	PCLMLAG	---	---	---
DNMT3_T.giga	---	AYGDD	---	GTNAYCVIC	GOAGELLICD	NNDCNRCT	GCIDVLVA	---	---	---
DNMT3_O.fave	---	LYDED	---	GSQMYCTIC	GDGKEVFMCD	KTGCFRSYCS	LCIGMLCG	---	---	---
DNMT3_P.dami	---	LYDED	---	GSQMYCTIC	GDGKEVFMCD	NTGCFRSYCS	LCIGMLCG	---	---	---
DNMT3_S.invi	---	VHND	---	GKCFYCTIC	ATTGTVLICD	SEDCPRVYCT	ACLKFLIC	---	---	---
DNMT3_S.purp	---	LYDCE	---	GYQAHCCIC	AEGNQITLCD	NOGCYHSYCT	VCMDNLVG	---	---	---
DNMT3_S.pist	---	LYDED	---	GSQMYCTIC	GDGKEVFMCD	STGCFRSYCS	LCIGMLCG	---	---	---
DNMT3_X.trop	---	QYDDD	---	GYQSYCTIC	CGGREVLMCG	NNNCCRCFCV	ECVDLLVG	---	---	---
DNMT3_D.giga	---	LFDED	---	GYQMYCTIC	GDGKEVFMCE	STGCFRSYCA	VCLELMCG	---	---	---
DNMT3_H.rob	---	VFDTD	---	GFMNFCVIC	GOAGEVFLCD	KLGCNKVFCC	RCMTDILG	---	---	---

DNMT1_H.sapi	RPENTHKST	---	PASYHAD	INLLYWSDEE	AVVDFKA-VQ	GRCTVEYGED	---	LPECVQ	-----	VYSMG		
DNMT1_M.musc	RPENTHRSY	---	NGSYHTD	INMLYWSDEE	AVVNFSQ-VQ	GRCTVEYGED	---	LLESIQ	-----	DYSQG		
DNMT1_P.hydr	RPENTTSL	---	RESRLD	LNLLYWSRDE	IEVSFCH-VV	GKCFVVCESD	---	LSISVD	-----	EYSRA		
DNMT1_D.reri	RPENTHKGP	---	KGAYHSD	INQLYWSDEE	ATVSMTE-VL	TRCRVEYAEAD	---	LVESVQ	-----	DYSNK		
DNMT1_A.mell	RPENTHKGL	---	TLMQQVD	LNMYVWSDEV	CDIKFSD-VA	GKCYLVYSEN	---	LDQSVE	-----	EWTTA		
DNMT1_A.digi	RPENTHKGS	---	SFAYQAD	LNLLYWSKEE	ATVPFPA-VL	GSCTVTCGED	---	LNCSIA	-----	EYTAK		
DNMT1_A.quee	RPQDTHKGD	---	EATAQYD	LNLLYWSDLV	TTVVAGDVVC	GKCFVKFKED	---	ITEDID	-----	SYFSN		
DNMT1_C.giga	RPEDTHKGP	---	SAGYHTD	MNMLYWSDEE	ATVDFKL-VK	GKCYVYSEN	---	LRSL	-----	EEYLCG		
DNMT1_C.inte	RPENTNKPL	---	KSNSYCD	LNLLYWSNDK	VEVDFSQ-VE	GKCEVECELD	---	LSVTVA	-----	EYSRK		
DNMT1_C.tele	RPENTHKGS	---	HGTSHTD	LNMLYWSDED	GKAALSQ-IW	GKCYVHWDD	---	LQVPLE	-----	DYFAA		
DNMT1_C.crux	RPEDTHKGL	---	SATHTSD	LNLLYWSSEE	STVEVAN-IE	GKCYVVCADD	---	LQOSVR	-----	DYTES		
DNMT1_E.feti	RPENTHKGO	---	LAEQAAD	LNLLYWSSE	AKVGLKD-ML	GKCYVIFTED	---	SIES	RVAID	DYFRG		
DNMT1_H.symb	RPENTHKGF	---	TGSTNSD	LNLLYWCDEE	ATVSFDY-VE	GKCYVVYIDD	---	PDIDVN	-----	EYTND		
DNMT1_H.vulg	RPENTHKGM	---	SGTMNCD	LNMYVWSNEE	ATVDFQM-VE	GKCYVLFADD	---	ADMDMF	-----	KFTEA		
DNMT1_M.leid	RPENIEN	---	CRVESAD	INLLFYSLDQ	VKIRADK-LS	GKCTVKNSED	---	IEDLSR	-----	YTT		
DNMT1_N.vect	RPENTHKGA	---	NASHQAD	LNLLYWTDEE	AKVSALS-VK	GKCMVACGED	---	IHSSIQ	-----	EYSSK		
DNMT1_T.giga	RPENIHMLK	---	TASYMQD	LNLLFWSDEE	IEVDFSL-VQ	GKCYVVYSGN	---	LIQSIQ	-----	DFTVT		
DNMT1_O.fave	RPENTHKGS	---	SFGHQAN	LNLLYWSKEE	ATVAVDD-VV	GGCVVTCGED	---	LNCSVE	-----	EYTAR		
DNMT1_P.dami	RPENTHKGS	---	SFGHQAN	LNLLYWSKEE	ATISIDD-VT	GGCVVTCGED	---	LNCSVE	-----	EYTAK		
DNMT1_S.invi	RPENTHRDL	---	ALMEQSD	LNMYVWSNEE	CTVNISM-VM	GKCYLAYFKN	---	MSESIE	-----	EWSMG		
DNMT1_S.purp	RPENTHKGR	---	TAAYQAD	LNVLWSEEE	AIVELSD-VQ	GQCSVVCAED	---	LNVSVD	-----	EYSAG		
DNMT1_S.pist	RPENTHKGS	---	SFGHQAN	LNLLYWSKEE	ATISIDD-VT	GGCVVTCGED	---	LNCSVE	-----	EYTAK		
DNMT1_X.trop	RPENTHKGV	---	KASYHSD	VNMYVWSDEE	AVVDFKA-VQ	GKCTVEYGED	---	LTETIQ	-----	EYSAG		
DNMT1_A.mill	RPENTHKGS	---	SFAYQAD	LNLLYWSKEE	ATVPFPA-VL	GSCTVTCGED	---	LNCSIA	-----	EYTAK		
DNMT1_A.cali	RPENTHKGO	---	QAVYHSE	LNKLYWSEEE	ASVHFSQ-VC	GKCTVLYQDN	---	IAGDLD	-----	TFFLD		
DNMT1_D.giga	RPGNTHKGA	---	ECGYRTD	YNLLYWSSEE	ATVDIAM-LV	NKCFVSYEAD	---	LNTDVR	-----	KYTAQ		
DNMT1_H.rob	RPENTNRGLV	WFGNPSSHKD	LNLLYWSERD	LTVSFRN-YT	GKCTVTFQDE	---	SDLGLQA	TDVLTRYFND				
DNMT1_S.cili	RPENAKLSD	---	AERFAAD	WNLYSSVEE	CVVSAAD-IQ	GSCSILHSQT	---	LTVPLS	-----	DYSAR		
DNMT3a_H.sapi	---	---	PGAAQAA	IKEDPWN	---	---	---	CYMCCHKG	---	TYGLLRR	R---	EDWPSR
DNMT3b_H.sapi	---	---	TGTAAEA	KLQEPWS	---	---	---	CYMCCLPQR	---	CHGVLRR	R---	KDWNVR
DNMT3a_M.musc	---	---	PGAAQAA	IKEDPWN	---	---	---	CYMCCHKG	---	TYGLLRR	R---	EDWPSR
DNMT3b_M.musc	---	---	AGTAEDA	KLQEPWS	---	---	---	CYMCCLPQR	---	CHGVLRR	R---	KDWNMR
DNMT3_S.cili	---	---	ADIHRHI	NKLDSDW	---	---	---	CFMCDQD	---	SDQLEV	R---	DDWHAR
DNMT3_A.mill	---	---	VNAVRI	AACETWV	---	---	---	CFMCSST	---	QGLISP	R---	QDWSAR
DNMT3_A.mell	---	---	PTTYEQV	LQEDPWE	---	---	---	CFLCKSR	FT-	TDITVRP	R---	ANWKDK
DNMT3_A.digi	---	---	VNAVRI	AACETWV	---	---	---	CFMCSST	---	QGLISP	R---	QDWSAR
DNMT3_A.quee	---	---	PEERMKV	QDATEWQ	---	---	---	CYMCSGE	---	MNGLLRK	R---	EDWDKR
DNMT3_C.giga	---	---	EGQLKKI	KESQVWN	---	---	---	CFLCTLN	KS-	THGYLIP	R---	PNWRDK
DNMT3_C.inte	---	---	EGTTKT	LHQSPWS	---	---	---	CYLCVATE	---	KGLLHR	R---	DNWHNR
DNMT3_C.tele	---	---	---	---	---	---	---	---	---	---	---	DNVVK
DNMT3_C.crux	---	---	VGHTEKI	ADQEKWI	---	---	---	CFMCSGK	---	MVRLLKR	R---	DDWQTK
DNMT3_H.symb	---	---	AGYAEKL	SKEDSWE	---	---	---	CFMCSGKP	---	MRILRR	R---	DDWQKK
DNMT3_H.vulg	---	---	VGYSRTV	SAGLDWH	---	---	---	CFMCTGEK	---	VRLIQR	R---	DDWQQR
DNMT3_M.leid	---	---	PHSLQV	EKSDPWF	---	---	---	CVLCNDTG	---	SEGDLVK	R---	PDWQAR
DNMT3_D.reri	---	---	PGAAQAA	IKEDPWN	---	---	---	CYMCGLKT	---	QYGLLR	R---	ADWPCR
DNMT3_N.vect	---	---	RGTVREI	ASREKWI	---	---	---	CYMCSGKG	---	DRLIHR	R---	KDWQSK
DNMT3_T.giga	---	---	PGAHKKV	LNTSPWL	---	---	---	CYMCRDYD	PE-	TNGLIRC	K---	DEWQQN
DNMT3_O.fave	---	---	KTTVTIEI	AACEKWV	---	---	---	CYMCSGKS	---	QGLITP	R---	QDWSAK
DNMT3_P.dami	---	---	RSAVKEI	AAADNVV	---	---	---	CYMCSGG	---	CQGLIRP	R---	HNWSAK
DNMT3_S.invi	---	---	PKSFDDM	LLEDPWE	---	---	---	CFLCRDES	KQ-	PANMILRP	R---	LDWKKR
DNMT3_S.purp	---	---	PQESKRV	SEQEPWS	---	---	---	CYLCSDAC	---	SHGYLTR	R---	EDWQEQ
DNMT3_S.pist	---	---	RNAVREI	AAADNVV	---	---	---	CYMCSGNS	---	QGLIRP	R---	HNWSAK
DNMT3_X.trop	---	---	PGAAQAA	IKEDPWN	---	---	---	CYMCCHKG	---	TYGLLR	R---	DDWPSR
DNMT3_D.giga	---	---	AGTVDKI	SSSEKWC	---	---	---	CIMCLDNK	---	IGLLQK	R---	EDWQEQ
DNMT3_H.rob	---	---	KSQVHAI	KSGEMWT	---	---	---	CFICDPTS	---	HHLIGC	NGV	VENWKEE



DNMT1_H.sapi	GPNRFYFLEA	YNAKSKSFED	-PPNHARSPG	---	NKGKGKG	KGKGKPKSQA	CE	---	PSE	PEIEIKL	---
DNMT1_M.musc	GPDRFYFLEA	YNSKTKNFED	-PPNHARSPG	---	NKGKGKG	KGKGKGKHQV	SE	---	PKE	PEAAIKL	---
DNMT1_P.hydr	GPDRLYYTEM	YDSAKKCVFP	-LPGEARMKF	---	NRGQNK	VPRSNQKQDM	---	---	RMG	ADCWKSFPY	---
DNMT1_D.reri	GPDRFYFLEA	YNAKTKSFED	-PPNHARSAV	---	NKGKGKG	KGKGKGKGA	A	---	PQE	PQDQEPQEPV	---
DNMT1_A.mell	GPYRFYFSQA	YNASEKTFVD	-PPYYAMNIG	---	KLGSKG	KGKAKCKSKK	LET	---	SDK	KIIDKPINYC	---
DNMT1_A.digi	AINNIFYFLEA	YNSETKDFEE	-PPLEARNAA	---	LKGKGKG	KGKGKARSAC	Q	---	TEE	QNLQRQSKPS	---
DNMT1_A.quee	KPNHIFYFVEA	YCADTKEFED	-PPVHAMNKG	KGKGVSKGKG	KGKGPAKGSK	ESIATT	STD	DDKKDEITPD	---	---	---
DNMT1_C.giga	GLDRFYFTEA	YDSETKMFEE	-PPRQARVSG	---	GKGKG	KGKGKGKSS	---	---	GPS	AEETETEPKK	---
DNMT1_C.inte	AANRFYFSEV	YNEEDGTFTV	-PPSTARSG	VELLKQKAKG	VKPKLTMMNK	---	---	---	MMK	KDETIVGEDE	---
DNMT1_C.tele	GDDRIFYFSEM	YNTNTKEFEE	-PPSECRSQV	---	SKGKGKG	KGKGKGKGS	SE	---	ETP	REPEPTEANA	---
DNMT1_C.crux	GPDRFYFTEA	YDGETCKFED	-PPSTSSVSS	---	SKGKGKG	KGKGSSSLSS	---	---	TNS	GTNVDSFPRY	---
DNMT1_E.feti	GPDRFYFTEA	YNAETKKFEE	APADAQDHLI	---	QKGKGKG	KGKGKAKS	---	---	TKE	AKDQLEKSE	---
DNMT1_H.symb	GPDRFYFTES	YDPNTEEF-D	IPPSSKARNEL	---	SGGKSSG	KGKGKARKKG	SI	---	FOQ	SALLTNHPVY	---
DNMT1_H.vulg	GPDRFYFREA	YDADKKEFDV	-PPREAWNSN	---	KG	KGKGKSKST	---	---	KQQ	NGLESNFPAY	---
DNMT1_M.leid	LSDFHYFTES	WNSASKCLED	VPSEGRSSNK	---	---	---	---	---	GKK	KRAGIKSEKE	---
DNMT1_N.vect	G-DCFYYLEA	YNSQTKFEE	-LPPQARDCS	---	SKGKGKG	KGKGKGKGS	SAD	---	SGP	ESCMHDQKE	---
DNMT1_T.giga	GPDRFYFNEA	YNSKTKTFEE	-PPPVAMSMG	---	GHGKGKG	KGKGKGKKNP	DL	---	EPS	PEVAMETYPV	---
DNMT1_O.fave	GINYFYFLEA	YNSETKEFEE	-PPMEARNAA	---	MKGKGKG	KGKGKGKGA	SPETE	---	GQC	LKEDGSDKAS	---
DNMT1_P.dami	GINYFYFLEA	YNSETKEFEE	-PPIAARNAA	---	MKGKGKG	KGKGKGKGA	SAETD	---	NQS	SKKDFNGTAN	---
DNMT1_S.invi	GPDRFYFTES	YNPKEMTFDE	-PPHDIINMS	---	KFGKGKG	KGKGKSKSAM	KVEET	---	EKK	QIFETPVDYP	---
DNMT1_S.purp	GPHKIFYFREA	YDSKRKCFED	-PPSKRSNR	---	MKGKGKG	KGKGKAK	---	---	GKT	EKQEEKESTD	---
DNMT1_S.pist	GIIHYFYFLEA	YNSETKEFEE	-PPLEARNAA	---	MKGKGKG	KGKGKGKGA	STETE	---	HQS	PKKDFSGKAN	---
DNMT1_X.trop	GSDRFYFLEA	YSAKTKSFED	-PPNHARSAV	---	NKGKGKG	KGKGKGK	---	---	TAS	KSENEQQNCG	---
DNMT1_A.mill	AINNIFYFLEA	YNSETKDFEE	-PPLEARNAA	---	LKGKGKG	KGKGKAKSAC	Q	---	TEE	QNLQRQSKPS	---
DNMT1_A.cali	SPDRFFFLES	YNAESRSFED	-PPAKARLMG	---	SKGKGKG	KGKGKGKSS	---	---	KAE	PSKEASEEDK	---
DNMT1_D.giga	GPDRFYFREA	YDSEGRCFDD	-IPNEARKTS	---	YKKGKG	KGKLKGKGKG	NAMEDVEENK	---	---	MENKPSSEENT	---
DNMT1_H.rob	GSDRFYFTEM	YLPDSKSLQD	VPSSQIVKEL	---	AFYKGGG	KGKGKSKNKS	---	---	SLA	KQENVSTDEK	---
DNMT1_S.cili	STDNIFYFEKE	FDGTTKEIAD	-APKALPESA	DKTSEKSGKG	TKGRKSRTSS	SG	---	ADF	AAALLAESP	---	---
DNMT3a_H.sapi	---	LQMF FANN	---HDQE	FDPPKVYPV	---	---	---	---	PAA	RR	---
DNMT3b_H.sapi	---	LQAF FTSD	---TGLE	YEAPKLYPAI	---	---	---	---	PAA	RR	---
DNMT3a_M.musc	---	LQMF FANN	---HDQE	FDPPKVYPV	---	---	---	---	PAA	RR	---
DNMT3b_M.musc	---	LQDF FTTD	---PDLEE	FEPPKLYPAI	---	---	---	---	PAA	RR	---
DNMT3_S.cili	---	LLTL MSSSDSGLYQ	---	LEPTPPPP	---	---	---	---	APE	DR	---
DNMT3_A.mill	---	LQEH FMND	---KEQE	FKPPHTFPAI	---	---	---	---	PPE	ER	---
DNMT3_A.mell	---	IINM FRTSCDSNVE	---	HLVAKHNSK	---	---	---	---	---	---	---
DNMT3_A.digi	---	LQEH FMND	---KEQE	FKPPHTFSAI	---	---	---	---	PPE	ER	---
DNMT3_A.quee	---	LHDL FVTD	---IETE	FEPPKFFPPI	---	---	---	---	PAA	MR	---
DNMT3_C.giga	---	TVHI FDSGYRT	---D	MLPSFFKGPK	---	---	---	---	---	---	---
DNMT3_C.inte	---	LSKF VSVGEVEYEI	---	VSLPKSP	---	---	---	---	PAW	ER	---
DNMT3_C.tele	---	---	---	---	---	---	---	---	---	---	---
DNMT3_C.crux	---	LSET MGND	---IVTD	YPPFPAVAPI	---	---	---	---	PLQ	ER	---
DNMT3_H.symb	---	LKDL FQDE	---MGSED	YGTMTFYDPI	---	---	---	---	PIE	ER	---
DNMT3_H.vulg	---	LKNV FSVNNEG	---	PLPFFYDPV	---	---	---	---	PFE	DR	---
DNMT3_M.leid	---	LQDL LTRKVAGEEE	---	YQTPLPVP	---	---	---	---	PIS	ER	---
DNMT3_D.reri	---	LQHF FANN	---HDQE	FEPPRLYPV	---	---	---	---	LAE	NR	---
DNMT3_N.vect	---	LHEL FLSD	---REKE	YDTPIVYPV	---	---	---	---	APE	DR	---
DNMT3_T.giga	---	VMQL FQPEKHVQLP	---	PSPDDYKEK	---	---	---	---	---	---	---
DNMT3_O.fave	---	LQEL FMND	---KEQD	FKAPHILPSV	---	---	---	---	PPE	QR	---
DNMT3_P.dami	---	LQEF FMND	---KEQD	FKQPIYIPAV	---	---	---	---	SPE	ER	---
DNMT3_S.invi	---	YTRM FRTS	---KLTS	VDITHYKKN	---	---	---	---	---	---	---
DNMT3_S.purp	---	LVAF FNRD	---QVAD	FEPLRMFKPL	---	---	---	---	LLS	NR	---
DNMT3_S.pist	---	LQEF FMND	---KEQD	FKQPIYIPAV	---	---	---	---	PPD	ER	---
DNMT3_X.trop	---	LQLF FANN	---HDQE	FDPPKLYPPI	---	---	---	---	AAE	KR	---
DNMT3_D.giga	---	LREL FASD	---KEQE	YSIPRICAPI	---	---	---	---	PPE	KR	---
DNMT3_H.rob	---	LNVM FQPN	---	PSI	---	---	---	---	LPR	TR	---

DNMT1_H.sapi	---PKLR	TL	VFSGCGLSE	GFHQAGI-SD	TLWAIEMWDP	AAQAFRLNNP	GS--TVF-TE	DCNILLKLVM
DNMT1_M.musc	---PKLR	TL	VFSGCGLSE	GFHQAGI-SE	TLWAIEMWDP	AAQAFRLNNP	GT--TVF-TE	DCNVLLKLVM
DNMT1_P.hydr	LPP	IHLQSLD	LFAGCGGLSE	GLRASGA-AK	SCWAVEIDTA	AAHAFKLNNP	FS--TVF-IE	DCNVLLKAVM
DNMT1_D.reri	V--PKLR	TL	VFSGCGLSE	GFHQAGI-SE	THWAIEMWDP	AAQAFRLNNP	GT--TVF-TE	DCNVLLKLVM
DNMT1_A.mell	KVP	PKLKTLD	VFAGCGGLSE	GLRQAGI-VD	NQWAIKDEP	AACAYRLNNP	NT--TVF-CE	DCNVLLRKVM
DNMT1_A.digi	ETV	PKLRCLD	VFAGCGGLSE	GLHQAGT-AE	SLWAVEKEEP	AAHAFSLNNP	GC--TVF-TD	DCNLLLKLVM
DNMT1_A.quee	SSF	KKLRMLD	VFAGCGGLSE	GFHQAGV-AD	SCWAVEIDEP	AAQAFRLNNS	QT--TVF-TD	DCNILLSLVM
DNMT1_C.giga	PTY	RRLRTLD	VFAGCGGLSE	GFHQAGI-AE	SCWAIKEEP	AGQAFRLNNP	GC--TVF-TD	DCNVLLKLVM
DNMT1_C.inte	TKI	PKLRSLD	VFSGCGLSE	GFHQAGI-AE	PSYAIELWEP	AAQAYRLNNP	GA--TVF-TE	DCNVLLEMVM
DNMT1_C.tele	QPI	TRLRGLD	VFAGCGGLSE	GFHQAGI-AE	SCWAIKEEP	AAQSFRNNP	GA--TVF-TD	DCNLLLKAVM
DNMT1_C.crux	HSP	HKLRSLD	VFSGCGLSE	GLHECGV-AE	SKWAIKEEP	AAQAFRLNNP	DA--IVF-NE	DCNKLLELVM
DNMT1_E.feti	TKS	RKLRLD	VFAGCGGLSE	GFHQAEV-SE	STWAIKEEP	AAQAFRLNNP	GC--TVF-SD	DCNELRLVM
DNMT1_H.symb	EKV	DKLRTLD	IFAGCGGLSE	GLHQGV-AD	SRWAIKEEP	AAQAYRLNNP	GT--IVF-NA	DCNHILKLIM
DNMT1_H.vulg	EKV	EKLRTLD	IFAGCGGLSE	GLDQGV-VN	SCWAIKEEP	AAQAYRLNNP	SA--IVF-NQ	DCNNVLKQIM
DNMT1_M.leid	TOF	RKLRTLD	VFAGCGGLSA	GFHQAGI-AE	SCWAIFFSE	AAQAYKLNNP	QA--EVF-NE	DCNAVLRMAM
DNMT1_N.vect	AHV	RKLRLD	VFAGCGGLSE	GLHQAGV-AE	SLWAIKEEP	AAQAYRLNNP	GC--TVF-TD	DCNTLLKLAM
DNMT1_T.giga	LA-	OKLRTLD	VFAGCGGLSE	GFHQAGL-VD	TLWAIKEEP	AAQAFRLNFP	KC--TVF-SD	DCNALLKMVM
DNMT1_O.fave	QTL	TKLRCLD	VFAGCGGLSE	GLHQAGV-AE	SRWAVEKEEP	AASAFSLNNP	GC--TVF-TD	DCNLLLKLVM
DNMT1_P.dami	ETV	AKLRCLD	VFAGCGGLSE	GLHEAGV-AE	SCWAIKEEP	AASAFSLNNP	GC--TVF-TD	DCNSLLKLVM
DNMT1_S.invi	VIP	RKLKMLD	IFAGCGGLSE	GMHQAGV-AE	SLWAIKEEA	AANAYRLNNS	KA--TVF-TE	DCNILLQKVM
DNMT1_S.purp	NPF	HKLKCLD	VFAGCGGLSE	GFHQAGI-CE	SSWAIKEEP	AAQAFRLNNP	GS--TVF-SD	DCNELRLVM
DNMT1_S.pist	ETV	AKLRCLD	VFAGCGGLSE	GLHEAGV-AE	SCWAIKEEP	AASAFSLNNP	GC--TVF-TD	DCNSLLKLVM
DNMT1_X.trop	DKL	PKLRTLD	VFSGCGLSE	GFHQAGI-SE	TNWAIEMWEP	AAQAFRLNNP	GT--TVF-TE	DCNVLLKLVM
DNMT1_A.mill	ETV	AKLRCLD	VFAGCGGLSE	GLHQAGT-AE	SLWAVEKEEP	AAHAFSLNNP	GC--TVF-TD	DCNLLLKLVM
DNMT1_A.cali	VEI	HKLRTLD	VFAGCGGLSE	GFHQAGL-AE	SRWAIKEEP	AAQAFRLNNP	GC--TVF-TD	DCNLLLQKVM
DNMT1_D.giga	ETV	KPLRTLD	VFAGCGGLSE	GLHQAGV-AE	TRWAIKEEP	AAQAFKANNP	KT--TVF-TD	DCNMLLKLAM
DNMT1_H.rob	KPL	RALKCLD	VFAGCGGLSE	GLHQAGI-AD	TRWAIKDES	ASQAFRLNNP	SC--TVF-SD	DCNELLSLAI
DNMT1_S.cili	TPF	EPLRLD	VFAGCGGLSE	GFHQSGI-AK	TVWAIKDEA	AAEAFKLNNK	KS--IVF-TD	DCNELLSLVM
DNMT3a_H.sapi	---KPI	RVL	LFDGIATGLL	VLKDLGIQVD	RYIASEVCEP	SITVGMVRHQ	GK--IMY-VG	DVRSVTQ---
DNMT3b_H.sapi	---RPI	RVL	LFDGIATGYL	VLKELGIKVG	KYVASEVCEE	SIAVGTVKHE	GN--IKY-VN	DVRNITK---
DNMT3a_M.musc	---KPI	RVL	LFDGIATGLL	VLKDLGIQVD	RYIASEVCEP	SITVGMVRHQ	GK--IMY-VG	DVRSVTQ---
DNMT3b_M.musc	---RPI	RVL	LFDGIATGYL	VLKELGIKVE	KYIASEVCAE	SIAVGTVKHE	GQ--IKY-VN	DVRKITK---
DNMT3_S.cili	---QAI	RVL	LFDGIATGMI	VLNELGIEVA	AYTSSEIDAD	AVRVSRRHHT	N---IVH-VG	AVEEITS---
DNMT3_A.mill	---RPL	RVL	LFDGIASGLQ	ALKELGIEIE	LYCASEIDEN	AVQVAKVQHG	RK--IHH-IG	DIQKISR---
DNMT3_A.mell	---RKL	RVL	LFDGLGTGLL	VLLKLGFIVD	AYYASEIDQD	ALMVTASHFG	DR--ILQ-LG	VNKLITC---
DNMT3_A.digi	---RPL	RVL	LFDGIASGLQ	ALKELGIEIE	LYCASEIDEN	AVQVAKVQHG	RK--IHH-IG	DIQKISR---
DNMT3_A.quee	---KPM	RVL	LFDGIGTGLL	VLKELGINVE	VYIASEIDPD	AIKVSRIKHP	E---IIH-VG	AIEQVTE---
DNMT3_C.giga	---QAV	RALS	LFDGISTGKV	VLDNIGLDVE	EYYASEIDDD	AILVSMVNRH	DS--VQH-LG	DVRSLTR---
DNMT3_C.inte	---KPI	RVL	LFDGIATGFV	SLKQLGIEVK	VYFASEIDHE	AICVSEIRHP	RV--VKH-VG	DVCEITD---
DNMT3_C.tele	---RPL	RVL	LFDGIGTGKL	VLDLLGFVE	AYFASEVNP	CLRLTEVRHQ	A---IKQ-LG	DVTMLTA---
DNMT3_C.crux	---KPI	RVLA	LFDGIATGLQ	ALRELDIDVQ	TYYASEIDEQ	ATTVASVQHG	AT--ICH-LG	DVELITE---
DNMT3_H.symb	---KAI	RVLA	LFDGIGTGFL	VLKELDFDVE	LYIASEIDEN	AKTVTLVHYG	DK--IRH-VG	DVCKIRE---
DNMT3_H.vulg	---PSL	RVL	LFDGLSTGYL	ALSELGLDIL	SYQASEIDPL	AIKVSQVHHS	MR--VEQ-IG	DVQKITK---
DNMT3_M.leid	---SSL	RVL	LFDGISTGLV	TLKNIGFQIE	TYVSSEVDEE	AIKVSQVHHS	E---VVQ-IG	DIASLTP---
DNMT3_D.reri	---KPI	RVL	LFDGIATGLL	VLRELGIQVE	RYVASEVCEP	SITVGIVRHQ	GR--IMY-VG	DVRQLTR---
DNMT3_N.vect	---KPI	RVLA	LFDGIATGLQ	ALNELGIVSD	KYSAEIDEQ	AIQVTKVNHG	DR--ITH-LG	DIKDLTE---
DNMT3_T.giga	---RPI	RVL	LFDGIGTGKL	VLDQLGIEVG	AYYASEIDQD	AINVCIVQHK	LN--VTH-LG	RIEDVTD---
DNMT3_O.fave	---RPI	RVL	LFDGIASGFQ	ALKELGIEID	VYCASEIDEQ	AMQVAKVHHG	TK--IHH-IG	DIKGISR---
DNMT3_P.dami	---RPI	RVL	LFDGIASGFQ	ALKELGVEIE	VYYASEIDEQ	AIQVAKVQHG	DK--IQH-VG	DITQISR---
DNMT3_S.invi	---RPV	RVL	LFDGLSTGFL	VLQKLGIVVE	VYYASEIDVN	ALTISSAHFG	DR--ISY-LG	DVRGITK---
DNMT3_S.purp	---RPI	RVL	LFDGLGTGML	VLRELGFDE	CYYASEVSEE	AITVAAVRLK	GQ--IKQ-IG	DVQKITP---
DNMT3_S.pist	---RPI	RVL	LFDGIASGFQ	ALKELGVEIE	VYYASEIDEH	AMQVAKVQHG	AK--IIH-VG	DITQISR---
DNMT3_X.trop	---KPI	RVL	LFDGIATGLL	VLKDLGIHIE	RYIASEVCEP	SITVGMVRHQ	GK--IMY-VG	DVRNITR---
DNMT3_D.giga	---OKL	RVL	LFDGIATGLL	ALKELGLDVH	VYFAAEIDEN	ATRQVQVQHG	EDDIVKF-IG	DVELITA---
DNMT3_H.rob	---RRM	KVLS	LFDGISTGKV	VLDQLDVLE	IYYASEIDED	SLLVSKGRHG	GG--VVHWLG	DVTNINS---



DNMT1_H.sapi	AGETTNSRGQ	RLPOKGDVEM	LCGGPPCQGF	SGMNRFNRSRT	Y-SK	-----	--FKNSLVVS	FLSYCDYY--
DNMT1_M.musc	AGEVTNSLGQ	RLPOKGDVEM	LCGGPPCQGF	SGMNRFNRSRT	Y-SK	-----	--FKNSLVVS	FLSYCDYY--
DNMT1_P.hydr	EGKVKNDKGQ	PLPKVGEVEL	ICGGPPCQGF	SGMNRFNRTRE	Y-SA	-----	--FKNSLVVS	FLSYCDYY--
DNMT1_D.reri	SGEKTNSLGQ	KLPOKGDVEM	LCGGPPCQGF	SGMNRFNRSRT	Y-SK	-----	--FKNSLVVS	FLSYCDYY--
DNMT1_A.mell	NGDLSDNNGQ	RLPOKGEVEL	LCGGPPCQGF	SGMNRFNRSRQ	Y-SL	-----	--FKNSLVVS	CLSYCDYY--
DNMT1_A.digi	DGEKKNSRGQ	TLPOKGEVEL	LCGGPPCQGF	SGMNRFNSSRD	Y-SQ	-----	--FKNSLVVS	YLSYCDYY--
DNMT1_A.quee	EGAKTNSRGQ	LLPOKGDVEL	LCGGPPCQGF	SGMNRFNRSRE	Y-SQ	-----	--FKNSLVIS	YLSFCEYY--
DNMT1_C.giga	EGEKQNEMGQ	KLPOKGDVEL	LCGGPPCQGF	SGMNRFNRSRE	Y-SR	-----	--FKNSLIAS	YLSYCDYY--
DNMT1_C.inte	NGEERSKCGQ	RLPOKGDVEL	LCGGPPCQGF	SGMNRFNRSRE	Y-SR	-----	--FKNSLVVS	YLSYCDYY--
DNMT1_C.tele	EGQTVNDVGQ	KLPOKGEVEL	LCGGPPCQGF	SGMNRFNRSRE	Y-SM	-----	--FKNSLIAS	YLSYCDYY--
DNMT1_C.crux	QGKSTDNLGQ	KLPOKGDVEL	LCGGPPCQGF	SGMNRFNRSRE	Y-SQ	-----	--FKNSLVAS	YLSYCDYY--
DNMT1_E.feti	NGEKVNSTGQ	RLPOKGEVEL	LCGGPPCQGF	SGMNRFNRSRE	Y-SK	-----	--FKNSLIAS	YLSYCDYY--
DNMT1_H.symb	EGKETNESGQ	RLPRKGEVDL	LCGGPPCQGF	SGMNRFNHRE	Y-SM	-----	--FKNSLVTS	YLSYCDYF--
DNMT1_H.vulg	EGKEKDDLQ	RLPRRGEVDL	LCGGPPCQGF	SGMNRFNQRE	Y-SM	-----	--FKNSLVTS	YLSYCDYF--
DNMT1_M.leid	EGVLTNKLQ	KIPQKGEVEL	LCGGPPCQGF	SGMNRFNARE	Y-SM	-----	--FKNSLISS	YLSYCEFY--
DNMT1_N.vect	EGEATNSTGQ	KIPORGEVEL	LCGGPPCQGF	SGMNRFNRTRE	Y-SL	-----	--FKNSLVVS	YLSYCDFY--
DNMT1_T.giga	EGQTSNEKGQ	KLPOKGEVEL	LCGGPPCQGF	SGMNRFNRSRQ	Y-SL	-----	--FKNSLIVS	FLSYCDYY--
DNMT1_O.fave	DGEKKNTKGQ	TLPOKGEVEL	LCGGPPCQGF	SGMNRFNSSRD	Y-SQ	-----	--FKNSLVVS	YLSYCDYY--
DNMT1_P.dami	DGEKKNPKGQ	TLPOKGDVEL	LCGGPPCQGF	SGMNRFNSSRD	Y-SK	-----	--FKNSLVAS	YLSYCDYY--
DNMT1_S.invi	NGDQVDNNGQ	KLPOKGEVEL	ICGGPPCQGF	SGMNRFNRSRQ	Y-SL	-----	--FKNSLVVS	FLSYCDYY--
DNMT1_S.purp	QGDKTSTRGQ	KLPOKGDVEL	LCGGPPCQGF	SGMNRFNRSRE	Y-SK	-----	--FKNSLISS	YLSYCDYY--
DNMT1_S.pist	DGEKKNPKGQ	TLPOKGDVEL	LCGGPPCQGF	SGMNRFNSSRD	Y-SK	-----	--FKNSLVAS	YLSYCDYY--
DNMT1_X.trop	SGEKTNSLGQ	RLPOKGDVEM	LCGGPPCQGF	SGMNRFNRSRT	Y-SK	-----	--FKNSLVVS	FLSYCDYY--
DNMT1_A.mill	DGEKKNSRGQ	TLPOKGEVEL	LCGGPPCQGF	SGMNRFNSSRD	Y-SQ	-----	--FKNSLVVS	YLSYCDYY--
DNMT1_A.cali	LGETTDELQ	KLPOKGEVEL	LCGGPPCQGF	SGMNRFNRSRE	Y-SK	-----	--FKNSLIAS	YLSYCDYY--
DNMT1_D.giga	EDEAGNSRGQ	QLPKRGDVEL	LCGGPPCQGF	SGMNRFNRTRE	Y-SC	-----	--FKNSLVAT	YLSYCDYY--
DNMT1_H.rob	SGSEFNSTGQ	RLPKRGDVEL	LCGGPPCQGF	SGMNRFNQRE	Y-SK	-----	--FKNSLIAS	YLSYCDYY--
DNMT1_S.cili	SGRTENKSGQ	PLPOKGEVDL	LCGGPPCQGF	SGMNRFNRSRE	Y-SQ	-----	--FKNSLVSS	YLSYCDYY--
DNMT3a_H.sapi	-----K	HIQEWGPFDL	VIGGSPCNDL	SIVNPARKGL	Y-E	-----	--GTGRLFFE	FYRLLDHARP
DNMT3b_H.sapi	-----K	NIEEWGPFDL	VIGGSPCNDL	SNVNPARKGL	Y-E	-----	--GTGRLFFE	FYHLLNYSRP
DNMT3a_M.musc	-----K	HIQEWGPFDL	VIGGSPCNDL	SIVNPARKGL	Y-E	-----	--GTGRLFFE	FYRLLDHARP
DNMT3b_M.musc	-----K	NIEEWGPFDL	VIGGSPCNDL	SNVNPARKGL	Y-E	-----	--GTGRLFFE	FYHLLNYTRP
DNMT3_S.cili	-----Q	RLKEWGPFDL	VIGGSPCNDL	SMANPARRGI	F-E	-----	--GTGRLFFD	FFRLQLAKP
DNMT3_A.mill	-----D	QIQDLGPFDL	VFGGSPCNDL	SIANPIRRGI	Y-E	-----	--GTGRLFFD	FFRLLLEYARP
DNMT3_A.mell	-----N	TIKEIAPIDL	LIGGSPCNDL	SIANPARLGL	HDPR	-----	--GTGVLFFE	YRRILKLVRK
DNMT3_A.digi	-----D	QIQDLGPFDL	VFGGSPCNDL	SIANPIRRGI	Y-E	-----	--GTGRLFFD	FFRLLLEYARP
DNMT3_A.quee	-----K	EVRSWGPFDL	VFGGSPCNDL	SIVNPARKGI	Y-D	-----	--GTGKLFFE	FFRILSYAKP
DNMT3_C.giga	-----E	KLDKLGRIDL	LIGGSPCNDL	SIVNPARRGL	S-EE	-----	--GTGHLVFE	FGRVLEYLQS
DNMT3_C.inte	-----K	MLSDWGPFDL	VIGGSPCNDL	SIVNPARKGI	WSDK	-----	--GSGHLFFE	YLRILNTCKV
DNMT3_C.tele	-----E	KLVEIAPIDL	VIGGSPCQDF	SIVNPLRKGL	M-GRVSVVIP	WLYHGLLFFD	WLYHGLLFFD	FYRILNELQS
DNMT3_C.crux	-----K	QISELGPFDL	VVGGSPCNDL	SIANPARKGL	F-D	-----	--GSGRLFFE	FFRLLMFARP
DNMT3_H.symb	-----E	DIKEWGPFDL	VIGGSPCNDL	SIANPLRKGI	Y-D	-----	--GTGRLFFE	FYRILQYAKP
DNMT3_H.vulg	-----Q	DIENWGPFDL	VIGGSPCDEL	SIANPFRKGI	Y-	-----	--GTGQLFFE	FYRILEYCKP
DNMT3_M.leid	-----Q	KVSDLGPFDL	VMGGSPCNDL	SNVNPFRKGI	Y-E	-----	--GTGRLFFE	FYRILSYVKE
DNMT3_D.reri	-----K	NIQEWGPFDL	VIGGSPCNDL	SIVNPARKGL	Y-E	-----	--GTGRLFFE	FYRLLHEARP
DNMT3_N.vect	-----S	QIRELGPFDL	VIGGSPCNDL	SIANPARRGI	F-E	-----	--GSGRLFFE	FFRLLMHAKP
DNMT3_T.giga	-----A	EVAKLCPIDF	VIGGSPCNDL	SIANPARKGL	YDPT	-----	--GTGKLFFD	FFRVLKAVQL
DNMT3_O.fave	-----D	KVEELGPFDL	VFGGSPCNDL	SIANPVRRGI	C-E	-----	--GTGRLFFD	FFRLLQFARP
DNMT3_P.dami	-----D	EIEELGPFDL	VFGGSPCNDL	SIANPVRRGI	C-E	-----	--GTGRLFFD	FFRLLQFVRP
DNMT3_S.invi	-----E	KIQEIAPIDL	LIGGSPCNDL	SIANPARLGL	HDPR	-----	--GTGVLFFE	YCRIKKLVEK
DNMT3_S.purp	-----K	ELKSWGPFDI	LIGGSPCNDL	SIVNPARKGL	A-G	-----	--GTGLLFFE	FYRILRDLP
DNMT3_S.pist	-----D	KVEELGPFDL	VFGGSPCNDL	SIANPVRRGI	C-E	-----	--GTGRLFFD	FFRLLQFVRP
DNMT3_X.trop	-----K	HIQEWGPFDL	VIGGSPCNDL	SIVNPARKGL	F-E	-----	--GTGRLFFE	FYRLLHEARP
DNMT3_D.giga	-----D	QIEMWGPFDL	VIGASPCNDL	SIANPARQGI	F-E	-----	--GSGRLFFE	FFRLLMYAKP
DNMT3_H.rob	-----E	MLEKIHPIDL	LIGGSPCNEF	SVANPGRKGL	S-ED	-----	--GTGVLFFE	FYRILKELQA

DNMT1_H.sapi	-----	RPRF	FLEENVRNFV	SFKRSMVLKL	TLRCLVRMGY	QCTFGVLQAG	QYGVAQTRRR	AIILAAAPGE
DNMT1_M.musc	-----	RPRF	FLEENVRNFV	SYRRSMVLKL	TLRCLVRMGY	QCTFGVLQAG	QYGVAQTRRR	AIILAAAPGE
DNMT1_P.hydr	-----	RPKY	IIMENVRNFA	SFKKNMVLKL	TLKCLLSMGY	QCTFGLLQAG	SYGVAQTRRR	AIIFGSLPGF
DNMT1_D.reri	-----	RPKF	FLEENVRNFV	SFKRSMVLKL	TLRCLVRMGY	QCTFGVLQAG	QYGVAQTRRR	AIILAAAPGE
DNMT1_A.mell	-----	RPKF	FIMENVRNFV	SFKRSMVLKL	TLRCLVRMGY	QCTFGILQAG	NYGIPQTRRR	LIILAAAPGE
DNMT1_A.digi	-----	RPRF	FILENVRNFV	SFKRSMVLKL	TLRCLIKMGY	QCTFGVLQAG	CYGVPTQTRR	AIIMAAAPGE
DNMT1_A.quee	-----	RPRF	FLEENVRNFV	SFKKSMVLKL	TLRCLVKMGY	QCTFGVLQAG	QYGVPTQTRR	AIILAAAPGE
DNMT1_C.giga	-----	RPRF	FLEENVRNFV	SFKRSMVLKL	ALRCLTTMGY	QCTFGVLQAG	SYGVPTQTRR	AIILAAAPGE
DNMT1_C.inte	-----	RPRF	FLEENVRNFV	SFKNCMVLKL	SLAALLRMGY	QCTFGVLQAG	HYGVSQTRRR	AIILAAAPGE
DNMT1_C.tele	-----	RPKF	FLEENVRNFV	SFKRSMVLKL	ALRCLLRMGY	QCTFGVLQAG	NYGVPTQTRR	AIILAAAPGE
DNMT1_C.crux	-----	RPKF	FILENVRNFV	SFKKSMVLKL	ALRCLLMGY	QCAFGILQAG	HYGVAQTRRR	AIILAAAPGE
DNMT1_E.feti	-----	RPKF	FLEENVRNFV	SFKRSMVLKL	AMRCLIRMGY	QCTFGVLQAG	NYGVPTQTRR	AIILAAAPGE
DNMT1_H.symb	-----	RPKF	FILENVRNFV	SFKKGMVLKL	IMKCLLMGY	QCEFGVLQAG	SYGVPTQTRR	AILIAAAPGE
DNMT1_H.vulg	-----	RPKF	FILENVRNFV	SFKKSMVLKL	TLSCLVKMGY	QCEFGVLQAG	SYGVPTQTRR	AIILAAAPGE
DNMT1_M.leid	-----	RPRY	FLEENVRNFV	SYKKNMVLKL	CLSSLVNMGY	QCTFGVLQAG	CYGVAQTRRR	AFLIAAAPGE
DNMT1_N.vect	-----	RPRF	FILENVRNFV	SFKKSMVLKL	TLRCLLRMGY	QCTFGVLQAG	CYGVPTQTRR	AIIMAAAPGE
DNMT1_T.giga	-----	RPKY	FVLENVRNFV	SFKRSMVLKL	TLRCLLMGY	QCTFGVLQAG	NYGVPTQTRR	AIILAAAPGE
DNMT1_O.fave	-----	RPKF	FILENVRNFV	SFKRSMVLKL	TLRCLLMGY	QCTFGVLQAG	CYGVPTQTRR	AIIMAAAPGE
DNMT1_P.dami	-----	RPKF	FILENVRNFV	SFKRSMVLKL	TLRCLLMGY	QCTFGVLQAG	CYGVPTQTRR	AIIMAAAPGE
DNMT1_S.invi	-----	KPKF	FIMENVRNFT	SCKKGMVLKL	TLRCLVRMGY	QCTFGILQAG	SYGVPTQTRR	MILIAAAPGE
DNMT1_S.purp	-----	RPRF	FLEENVRNFV	SYKKNMVLKL	ALRCLIRMGY	QCTFGILQAG	QYGVPTQTRR	AIILAAAPGE
DNMT1_S.pist	-----	RPKF	FILENVRNFV	SFKRSMVLKL	TLRCLLMGY	QCTFGVLQAG	CYGVPTQTRR	AIILAAAPGE
DNMT1_X.trop	-----	RPKY	FLEENVRNFV	SFKRSMVLKL	TLRCLVRMGY	QCTFGVLQAG	QYGVAQTRRR	AIIVAAAPGE
DNMT1_A.mill	-----	RPRF	FILENVRNFV	SFKRSMVLKL	TLRCLIKMGY	QCTFGVLQAG	CYGVPTQTRR	AIIMAAAPGE
DNMT1_A.cali	-----	RPRF	FLEENVRNFV	SFKRSMVLKL	ALRCLVRMGY	QCTFGVLQAG	SYGVAQTRRR	AIILAAAPGE
DNMT1_D.giga	-----	RPKF	FVLENVRNFV	SYKKSMLVLKL	TLRCLLMGY	QCTFGVLQAG	NYGVPTQTRR	AIILAAAPGQ
DNMT1_H.rob	-----	RPKY	FLEENVRNFV	SFKRGVVLKL	ALRCLISMGY	QCTFGVLQAG	CYGIPQTRRR	AIILASAPGY
DNMT1_S.cili	-----	RPRF	FVLENVRNFV	SYKQNMVLKL	TLRCLLRMGY	QCTFGILQAG	SYGVPTQTRR	AIIMAAAPGE
DNMT3a_H.sapi	KEGDD	RPFF	WLFENVVAMG	VSDKRDISRF	-----	L	ESNPVMIDAK	EVSAAH--RA
DNMT3b_H.sapi	KEGDD	RPFF	WLFENVVAMK	VGDKRDISRF	-----	L	ECNPVMIDAI	KVSAAH--RA
DNMT3a_M.musc	KEGDD	RPFF	WLFENVVAMG	VSDKRDISRF	-----	L	ESNPVMIDAK	EVSAAH--RA
DNMT3b_M.musc	KEGDD	RPFF	WLFENVVAMK	VNDKDISRF	-----	L	ACNPVMIDAI	KVSAAH--RA
DNMT3_S.cili	APSEQ	RPFF	WLFENVVSMR	AVDKATISRF	-----	L	ECNPVVVDK	DVSPA--RP
DNMT3_A.mill	KSELE	RPFF	WLFENVVGMR	AEDKAIVSRF	-----	L	ECNPVVVDK	EISPAH--RA
DNMT3_A.mell	LNNE	RHLF	WLYENVASMP	SEYRLINKH	-----	L	QEPDVIDSA	DFSPQH--RL
DNMT3_A.digi	KSELE	RPFF	WLFENVVGMR	AEDKAIVSRF	-----	L	ECNPVVVDK	EISPAH--RA
DNMT3_A.quee	QODE	RPFF	WLYENVVSMR	APDKKIISRF	-----	L	QCNPVVVDAR	DISAAH--RA
DNMT3_C.giga	VSRARGOHLF	WLFENVASMR	ADIRDTISEC	-----	F	KCPPALWDAK	YVSPAS--R-	
DNMT3_C.inte	LAAKEGRSLF	WLFENVVCMG	QSSROTISHY	-----	L	QRNPVILDAK	EVSPA--RP	
DNMT3_C.tele	LOQAN	RPLF	FLYENVASMN	KETKAVMTRF	-----	F	KROPNVWDAL	NFTAQR--RK
DNMT3_C.crux	DPSTSDRPFF	WLFENVVGMG	QEDKRAISRF	-----	L	QCNPVMCDAK	EISAQH--RA	
DNMT3_H.symb	HPIES	RPFF	WLFENVVGMQ	HVDREVINRF	-----	L	KCHPVVVSAD	DVSAQH--RT
DNMT3_H.vulg	QPLTA	RPFF	WLFENVVGMR	YTDRAVISRF	-----	L	QCHPVIINAK	EISAQH--RT
DNMT3_M.leid	SAGD	RPVF	WLFENVVSMG	RSDRNCISRF	-----	L	QSSPNVIDAK	HFSCMS--RA
DNMT3_D.reri	KEGDT	RPFF	WLFENVVAMG	VSDKRDISRF	-----	L	ECNPVMIDAK	EVSAAH--RA
DNMT3_N.vect	SRTCPSPRFF	WLFENVVGMR	AEDKKTIISRF	-----	L	QSNPVVVDK	EVSPA--RP	
DNMT3_T.giga	ANKG	RHVF	WLYENVASMP	QYKATITRF	-----	L	QCDPAMIDSK	YFSPQN--RA
DNMT3_O.fave	KSELE	RPFF	WLFENVVGMR	AEDKSTISRF	-----	L	ECNPVVVDK	EISPAH--RA
DNMT3_P.dami	KSDME	RPFF	WLFENVVGMR	ADDKKIISRF	-----	L	ECNPVVVDK	EISPAH--RA
DNMT3_S.invi	ANKD	RHMF	WLFENVASMP	TEYRLINKN	-----	L	GREPDVIDSA	DFSPQH--RL
DNMT3_S.purp	LPDDP	RPFF	WLFENVVFMG	RDKKLNICRF	-----	L	QCNPVMIDSR	HMSPTH--RA
DNMT3_S.pist	NSDME	RPFF	WLFENVVGMR	ADDKKIISRF	-----	L	ECNPVVVDK	EISPAH--RA
DNMT3_X.trop	KEGDN	RPFF	WLFENVVAMG	VSDKRDISRF	-----	L	ESNPVMIDAR	EVSAAH--RA
DNMT3_D.giga	HPGDS	RPFF	WLFENVVSMR	AVDKRTISRF	-----	L	QCNPVVVDK	DISPAR--RA
DNMT3_H.rob	LMTPD	RPLF	WLFENVSSMQ	KHCKATMTRF	-----	F	MCHPATLDAK	YFSAQN--RS

DNMT1_H.sapi	KLPLFPEPLH	-VFAPRACQL	SVVVDKKFV	SNITRLS-SG	PFRTITVRDT	MSDLPEVRNG	ASALEISYNG
DNMT1_M.musc	KLPLFPEPLH	-VFAPRACQL	SVVVDKKFV	SNITRLS-SG	PFRTITVRDT	MSDLPEIQNG	ASNSEIPYNG
DNMT1_P.hydr	ELPAYPEPTH	-TFSTHTMAL	SVVVDGKRYQ	A-LRRLD-TA	PYRNITTWDA	LSDLPEISTG	S--EEMMYES
DNMT1_D.reri	KLPRYPEPLH	-VFAPRACSL	SVAVDEKKYV	SNVTRGN-GG	IYRTITVRDT	MSDLPEIRNG	AAALEISYNG
DNMT1_A.mell	VLPKYPEPTH	-VFSKRACQL	SVIVDNKKYS	SNCDWTE-SA	PYRTISVRDA	MSDLPNIRNG	WNNEEIAYSD
DNMT1_A.digi	VLPLYPEPTH	-CFSPRAIQL	TVMVDDKKFE	SNITRLS-SA	PFRTITVRDS	MSDLPEIRNG	ASNAEISYSG
DNMT1_A.quee	KLPHFPNPTH	-VFSPRACQL	TVVVDIKYE	GSI-RMD-SA	PYRTITVRDS	MSDLPHIKNG	SAVRSMNYNG
DNMT1_C.giga	KLPPFPPEQH	-VFAPRAMQL	SVQVDDKKFM	SNITRME-SA	PFRTITVRDT	MSDLPEIRNG	AKAEEISYQG
DNMT1_C.inte	QLPLYPEPLH	-TFSTRGGS	SAQVGDTRYT	NNIKWST-SA	PYRTITVHDA	MSDLPKIPNG	HAKLEMPYTG
DNMT1_C.tele	KLPPFYPEPLH	-VFAPRGMQL	SVQVGDKRYN	SCVQMS-SA	PFRTISVRDA	MSDLPEVKNG	AKAEKISYSV
DNMT1_C.crux	VLPEYPOPLH	-VFSLRSGGL	SVTIDDRFE	P-VKKID-CA	PYRTITVRDV	MNDLPQIRNG	ENRLEISYDN
DNMT1_E.feti	KLPHFPQPLH	-TFSPRAMQL	SVVIDEKKYE	SGVKRGT-SA	PFRTITVRDA	MSDLPEVKNG	AKAEEIAYNS
DNMT1_H.symb	ILPKYPECOH	-VFAPKGLAL	SVTIDDKKYQ	A-VKRLH-TA	PYRTITVRDA	MSDLPEIKNG	AKKPEIGYDS
DNMT1_H.vulg	ILPKYPECOH	-VFASKALSL	SVTINSHKYQ	A-LKRLH-SA	PYRTITTVYDA	MSDLPEIKNG	ANKMEIGYDT
DNMT1_M.leid	VLPOFPEPRH	-VFSPKAMSL	SVTIDNKQYS	QHITRFD-SA	PLRNITVRDI	MSDLPAITNG	ATKRELAYDC
DNMT1_N.vect	ELPLYPEPTH	-CFSPRTCQL	TVMVDEKKFT	SNITRTA-SA	PYRTITVRDA	MSDLPEIRNG	ASAAESSYEG
DNMT1_T.giga	KLPPYPEPTH	-TFAPRACQL	SVMVDDKKFQ	SNVKWTT-SA	PYRTITVQDA	MSDLPEIKNG	AKAEEIPYNG
DNMT1_O.fave	VLPLYPEPTH	-CFSPRAIQL	TVMVDDTKFQ	SNITRLS-SA	PYRTITVRDA	MSDLPEIRNG	ASNDEISYNG
DNMT1_P.dami	VLPLYPEPTH	-CFSPRAIQL	TVMVDDKKFQ	SNITRLS-SA	PYRTITVRDA	MSDLPEIRNG	ASNDEISYNG
DNMT1_S.invi	ILPNYPEPMH	-VFNKQCCST	TVVVDNKKYY	IKYIRKD-SA	PYRNITVKDA	LSDLPPIKSG	SNKEEMPYNS
DNMT1_S.purp	KLPPFYPEPLH	-VFSPRACSL	SVMIGDKKIQ	SNNQWCL-SA	PYRTISVRDS	MSDLPTISNG	AQKLEISYDG
DNMT1_S.pist	VLPLYPEPTH	-CFSPRAIQL	TVMVDDKKFQ	SNITRLS-SA	PYRTITVRDA	MSDLPEIRNG	ASNDEISYNG
DNMT1_X.trop	KLPMFPEPLH	-VFAPRACSL	SVVVDKKFV	SNITRTN-SS	LFRTITVRDT	MSDLPEIRNG	ASALEISYNG
DNMT1_A.mill	VLPLYPEPTH	-CFSPRAIQL	TVMVDDKKFE	SNITRLS-SA	PFRTITVRDS	MSDLPEIRNG	ASNAEISYSG
DNMT1_A.cali	KLPPVYPEQH	-TFAPRAMQL	SVMVDDRKFN	SNIKNMT-ST	PYRTITVRDA	MSDLPEIKNG	AKAEEISYKG
DNMT1_D.giga	KLPMYDPPTH	-CFARRACQL	TVVVDTKYV	SNFKHVE-SA	PYRTVTVRDA	MSDLPEVKNG	ARAEIISYDG
DNMT1_H.rob	KLPPFYPEPMH	-SFSVRGMQL	TVAVDGRFE	SCVSRTSGSA	PFRTITVRDA	MSDLPEVNNG	AGHIETGYGG
DNMT1_S.cili	KLPRYPEPTH	-VFSPRACQL	SVMVDDKKYC	SNISRAE-SA	PYHTVTVRDA	ISDLPAVTSG	ASKQOITYSA
DNMT3a_H.sapi	NRPLASTVND	-KLELQEC	-----LE	H--GRIAKFS	KVRTITTR--	-----	-----
DNMT3b_H.sapi	NRPVIAKND	-KLELQDC	-----LE	Y--NRIAKLK	KVQTITTK--	-----	-----
DNMT3a_M.musc	NRPLASTVND	-KLELQEC	-----LE	H--GRIAKFS	KVRTITTR--	-----	-----
DNMT3b_M.musc	NRPVIAKND	-KLELQDC	-----LE	F--SRTAKLK	KVQTITTK--	-----	-----
DNMT3_S.cili	MRGIVPWPGD	-VLSLQDC	-----VE	PNCGRRAKFE	KLRTITTK--	-----	-----
DNMT3_A.mill	NRPTIPLPGD	-KLCLQDC	-----LE	PNCGRQAKFT	KVQTLTTN--	-----	-----
DNMT3_A.mell	IEPRLLSSQR	-EQDVQDI	-----LT	PHCGRYSLVK	KIRTVTTK--	-----	-----
DNMT3_A.digi	NRPTIPLPGD	-KLCLQDC	-----LE	PNCGRQAKFT	KIQTTLTN--	-----	-----
DNMT3_A.quee	NRPAVPLPGD	-RLTLQDC	-----LE	PNCFRHAQFT	KLRTITTK--	-----	-----
DNMT3_C.giga	KNP---DSIK	-DFHLNDV	-----LY	LQNISSRYK	TVRCITGK--	-----	-----
DNMT3_C.inte	RRPMVATKAH	-KLTLLEC	-----LE	P--GRKATTD	KLRTITTK--	-----	-----
DNMT3_C.tele	KGGEVDDDED	-VTELKEV	-----LM	P--GRKARMS	KVRCVTSR--	-----	-----
DNMT3_C.crux	KRSAPPLPSD	-KLNLQQC	-----LE	KNCGRVAKFQ	KVRTVTTK--	-----	-----
DNMT3_H.symb	NRSLRPIPTD	-KVLLQDC	-----LE	PGCGRVAKVD	KVRCITTM--	-----	-----
DNMT3_H.vulg	NRAMCPLPSD	-RLKLQQC	-----LE	KDCGRVAKFD	KVRCITTS--	-----	-----
DNMT3_M.leid	ARTPVPLATD	-KLTLQDC	-----LE	QNCGREARFE	KINCITTK--	-----	-----
DNMT3_D.reri	NRPMSAMCTD	-KLDLQDC	-----LE	H--GRTAKFG	KVRTITTR--	-----	-----
DNMT3_N.vect	NRPAIPLPGD	-RLTLQEC	-----LE	PNCGRKARFT	KVQTLTTN--	-----	-----
DNMT3_T.giga	YAPLQHLLH	-QTISLDSV	-----IT	PHLNRKAIVE	KIRTVTTR--	-----	-----
DNMT3_O.fave	NRPTVPLPGD	-KLCLQDC	-----LE	PNCGRQAKFT	KVQTLTTN--	-----	-----
DNMT3_P.dami	NRPTVPLPGD	-KLCLQDC	-----LE	PNCGRQAKFT	KVQTLTTN--	-----	-----
DNMT3_S.invi	FNPMPLFES	-RQNVQDK	-----LT	PNLNREALCK	KLRTVTGR--	-----	-----
DNMT3_S.purp	HRPYVAGADN	-PLCLQEC	-----LE	PHCDRQAQFS	KVGTITTT--	-----	-----
DNMT3_S.pist	NRPTVPLPGD	-KLCLQDC	-----LE	ANCGRQAKFT	KVQTLTTN--	-----	-----
DNMT3_X.trop	NRPLVSTIND	-RLTLQDC	-----LE	H--GRLAKFS	KVRTITTR--	-----	-----
DNMT3_D.giga	NRPTIPVAGD	-KLSLQSC	-----LE	PHCGRKARFT	KIQTVTTK--	-----	-----
DNMT3_H.rob	YCP--POYNK	-NLAPDLL	-----NESLF	P--GRRSQVV	KLRTVTTK--	-----	-----

DNMT1_H.sapi	EPQSWFORQL	R---	GAQYQ	PILRDHICKD	MSALVAARMR	--HIPLAPGS	DWRDLPNIEV	RLSDGTMARK
DNMT1_M.musc	EPLSWFORQL	R---	GSHYQ	PILRDHICKD	MSPLVAARMR	--HIPLFPGS	DWRDLPNIQV	RLGDGVIAHK
DNMT1_P.hydr	EPLSHFQKLV	R---	SSHHS	QKLTDHICKE	ISALVLARIR	--HIPSETGA	DWRDLPNIVV	RLSDGTFTKK
DNMT1_D.reri	EPQSWFORQI	R---	GSQYQ	PILRDHICKD	MSALVAARMR	--NIPLAPGS	DWRDLPNFEV	RLRDGTTTKK
DNMT1_A.mell	EPISHFORQV	R---	PKEPD	AILRDHICKD	MAPLVEARIA	--HIPTASGS	DWRDLPNITV	RLSDGTYSKK
DNMT1_A.digi	DSISHFORQV	R---	GSQYQ	PVLRDHICKE	MNPLVAVMR	--YIPLAPGS	DWRDLPNIEV	QLPDGTTTKK
DNMT1_A.quee	EPHCHYQRLM	R---	GNQHQ	PVLYDHICKE	MNPLVAARMR	--FIPIGPGS	DWRDLPNKCI	RLSDGTTAPK
DNMT1_C.giga	DPQSHFORII	R---	GKQHQ	PILRDHICKE	MSPLVAARMQ	--HIPLAPGS	DWRDLPNIEV	RLSDGTTTKK
DNMT1_C.inte	EPLTHFORMM	R---	GKDYQ	GVVRDHICKD	MSPLVAARMA	--LIPLIPGS	DWRDLPNKPH	KLSDGTTAKV
DNMT1_C.tele	EAQSHFORMI	R---	GHOHQ	PVCRDHICKD	FNPLVHARMQ	--HIPLYPGA	DWRDLPNIEV	RLSDGSKCKK
DNMT1_C.crux	EALTHFQKKM	R---	AKQVD	GPLRDHVCKE	MNPLVAARMR	--HIPLAPGS	DWRDLPNIVL	RLSDGNYTSK
DNMT1_E.feti	DPQSHFQKLI	R---	GNQYQ	PVLRDHICKE	MSALVLARMQ	--HIPLARGS	DWRDLPNIEV	RLSDGNKTKK
DNMT1_H.symb	EPISHFQKMM	R---	GKHVQ	QVLRDHSVCKD	MSPLVEARMQ	--YIPCKPGS	DWRDLPNTVV	KLRDGNNTTK
DNMT1_H.vulg	EPLTHFQKKI	R---	GKHM	QVLRDHICKD	MSPLVEARMS	--YIPCI PGS	DWRDLPNKVV	KLRDGNNTTK
DNMT1_M.leid	EPDSWFORQI	R---	GNS--	EVLTDHICKE	MNPLVAIRMR	--HIPLTPGS	DWRDLPNISV	TLPDGKKTTPK
DNMT1_N.vect	EAISHFORQI	R---	GNQYQ	PLLRDHICKE	MSALVEARMR	--HIPLAPGS	DWRDLPNKEI	RLSDGTYSKK
DNMT1_T.giga	EPLSHFQKLM	R---	EKHYS	PVLRDHICKE	MSSLVEARIR	--NIPLAPGS	DWRDLPNLVL	RLSDGSYTRK
DNMT1_O.fave	DAISHFORQM	R---	GSQYQ	PVLRDHICKE	MNPLVAVMR	--YIPTAPGS	DWRDLPNIV	RLSDGTYTSK
DNMT1_P.dami	DSISHFORQM	R---	GRQDQ	PVLRDHICKE	MNPLVAARMR	--HIPTAPGS	DWRDLPNIV	RLSDGTYTSK
DNMT1_S.invi	EPITHFORKM	R---	GKSYR	SILMDHMKCG	MSSLVEARMS	--YIPTTIGS	DWRDLPNIVV	KLSDGTFSKK
DNMT1_S.purp	EPQSDFOKKI	R---	GNQYQ	PILRDHMKCD	MSALVAARMK	--HIPLAPGS	DWRDLPNIPV	PLKDGTTTCRK
DNMT1_S.pist	DSISHFORQM	R---	GRQDQ	PVLRDHICKE	MNPLVAARMR	--HIPTAPGS	DWRDLPNIV	RLSDGTYSKK
DNMT1_X.trop	EPQSWFORQI	R---	GSQYQ	PILRDHVCKD	MSALVAARMR	--HIPLAPGS	DWRDLPNMEV	RLSDGTTTRK
DNMT1_A.mill	DSISHFORQV	R---	GSQYQ	PVLRDHICKE	MNPLVAVMR	--YIPLAPGS	DWRDLPNIEV	QLPDGTTTKK
DNMT1_A.cali	DAQTHFORLI	R---	GHOHQ	PILRDHVCKE	MSPLVAARMT	--HIPLVPGS	DWRDLPNLEI	RLSDGSKAKK
DNMT1_D.giga	EAQSHFORKI	R---	GDEEK	TVLRDHSVCKE	MAPLVLARIR	--YIPQEPGS	DWRDLPNVVT	KLPGDKTAQK
DNMT1_H.rob	EPVSHFQKMS	RRKIGENSYT	TLLQDHVCKE	MSALVLARMQ	--HIPLAPGS	DWRDLPNLEI	RLKDGTVTRK	
DNMT1_S.cili	ESKSPFORVM	R---	GDKTE	GSVGDHICKD	MSALVVARME	--LIPTTPGA	DWRDLPNKVI	KL--NGENIPK
DNMT3a_H.sapi	-----	-----	-----	-----	SNSIKQKDKQ	--HFPVF	-----	-----
DNMT3b_H.sapi	-----	-----	-----	-----	SNSIKQKKNQ	--LFPVV	-----	-----
DNMT3a_M.musc	-----	-----	-----	-----	SNSIKQKDKQ	--HFPVF	-----	-----
DNMT3b_M.musc	-----	-----	-----	-----	SNSIRQKKNQ	--LFPVV	-----	-----
DNMT3_S.cili	-----	-----	-----	-----	TNSIRQTKQN	--LFPVSVE	-----	-----
DNMT3_A.mill	-----	-----	-----	-----	ANSMLOTKKA	--LLPVQ	-----	-----
DNMT3_A.mell	-----	-----	-----	-----	VNSLKQKLLA	--LKPIL	-----	-----
DNMT3_A.digi	-----	-----	-----	-----	ANSMLOTKKA	--LLPVQ	-----	-----
DNMT3_A.quee	-----	-----	-----	-----	MNSIKQTKRA	--IFPVRVFS	GG--	-----
DNMT3_C.giga	-----	-----	-----	-----	RNSLKQGRNE	--DQFVIL	-----	-----
DNMT3_C.inte	-----	-----	-----	-----	LQSVRGGHGS	--GGLTSNS	-----	-----
DNMT3_C.tele	-----	-----	-----	-----	SNSLRQSKHN	--HKQFPVA	-----	-----
DNMT3_C.crux	-----	-----	-----	-----	SNSLKQ	-----	-----	-----
DNMT3_H.symb	-----	-----	-----	-----	RHSLRQTKKS	--ILPVK	-----	-----
DNMT3_H.vulg	-----	-----	-----	-----	QNSLKQTKAA	--MLPVK	-----	-----
DNMT3_M.leid	-----	-----	-----	-----	LTSMKQKKGR	--TLPVR	-----	-----
DNMT3_D.reri	-----	-----	-----	-----	SNSIKQKDKQ	--HFPVF	-----	-----
DNMT3_N.vect	-----	-----	-----	-----	ANSLTQTKKN	--ILPVA	-----	-----
DNMT3_T.giga	-----	-----	-----	-----	SNSLRQKKKC	--LLPVT	-----	-----
DNMT3_O.fave	-----	-----	-----	-----	ANSMLOTKKG	--LFPVQ	-----	-----
DNMT3_P.dami	-----	-----	-----	-----	ANSMLOTKKG	--LFPVQ	-----	-----
DNMT3_S.invi	-----	-----	-----	-----	KGSLLQKAE	--LKP II	-----	-----
DNMT3_S.purp	-----	-----	-----	-----	SHSIRQTKDA	--ILPVI	-----	-----
DNMT3_S.pist	-----	-----	-----	-----	ANSMLOTKKG	--LFPVQ	-----	-----
DNMT3_X.trop	-----	-----	-----	-----	SNSIKQKDKQ	--HFPVY	-----	-----
DNMT3_D.giga	-----	-----	-----	-----	ANSIKQTKEG	--ILPVE	-----	-----
DNMT3_H.rob	-----	-----	-----	-----	QNSLLQGRN	--EMPVS	-----	-----

DNMT1_H.sapi	LRYTHHDKRN	GRSSSGALRG	VCSCVEAGKA	CDPAARQFNT	LIPWCLPHTG	NRHNNHWAGLY	GRLEWDGFFS
DNMT1_M.musc	LOYTFHDKVN	GYSSTGALRG	VCSCAE-GKA	CDPESRQFST	LIPWCLPHTG	NRHNNHWAGLY	GRLEWDGFFS
DNMT1_P.hydr	LKYEYLDTKS	GRGKQARRTG	VCPCAS-GKP	CDFEAGQNDT	LIPWCLPHTA	NRHNNHWAGLY	GRIEWNNGYFS
DNMT1_D.reri	LRYTHPDKKN	GRSGTGALRG	VCSCSE-GKP	CDPADRQFNT	LIPWCLPHTG	NRHNNHWAGLY	GRLEWDGFFS
DNMT1_A.mell	-----	-----	-----	-----	-----	-----	-----
DNMT1_A.digi	LAYTHHDKKN	GRSSEGOALRG	VCSCAE-DKP	CDPADRQFNT	LVPWCLPHTG	NRHNNHWAGLY	GRLEWDGYFS
DNMT1_A.quee	LOYTHHDKKN	GRAKNKSLRG	VCPCAT-GQP	CDSSYRQYGT	LIPWCLPHTG	NRHNNHWAGLY	GRLEWDGFFS
DNMT1_C.giga	LOYTHYDKKN	GKSSDGLRG	VCSCAE-GKA	CETMDRQFNT	LIPWCLPHTG	NRHNNHWAGLY	GRLQYDGFFS
DNMT1_C.inte	LRYEYHDKKQ	GRSSTGGMRG	VCSCAE-GRG	CDAMDRQFNT	LIPWCLPHTG	NRHNNHWAGLY	GRLCWDGFFS
DNMT1_C.tele	LCYTHRDKKN	GRSPSGALRG	VCQCAD-SGS	CDAMDRQFNT	LIPWCLPHTG	NRHNNHWAGLY	GRLEWDGFFS
DNMT1_C.crux	LVTYTHDKRN	GLSSNGKLRG	VCSCSE-GGQ	CDPADRQFNT	LVPWCLPHTG	-----	-----
DNMT1_E.feti	LRYTHHDKRN	GKSSSTGDLRG	VCSCVE-GNP	CETVYRQFNT	LIPWCLPHTG	NRHNNHWAGLY	GRLEWDGFFS
DNMT1_H.symb	LLYLHHDKKQ	GPANNGDMRG	VCACAT-GAS	CDSADRQFNT	LIPWCLPHTS	NRHNNHWAGLY	GRLEWDGFFS
DNMT1_H.vulg	LLYLHKDKKQ	GPGKNGENRG	VCACAN-GKP	CDPSDRQFNT	LIPWCLPHTG	NRHNNHWAGLY	GRLEWDGFFS
DNMT1_M.leid	LVTYTHNDLKN	GP-----MKG	VCSCAE-GKK	CDPMDKQNM	LIPWCLPHTG	NRHNNHWAGLY	GRVFWDGYFS
DNMT1_N.vect	LOYTHHDKKN	EKGSSQRLRG	VCSCAE-GRP	CEPADRQFNT	LIPWCLPHTG	NRHNNHWAGLY	GRLEWDGYFS
DNMT1_T.giga	LCYTHHCMKN	GRNSLDGLRG	VCSCAE-RKA	CDPMDRQDNT	LIPWCLPHTG	NRHNNHWAGLY	GRLEWKGFFS
DNMT1_O.fave	LYTYTHNDPKN	GHSSNGVLRG	VCSCAE-GKP	CDPADRQFNT	LVPWCLPHTG	NRHNNHWAGLY	GRLEWDGYFS
DNMT1_P.dami	LAYTHDDKKN	GRSSNDELRG	VCSCAE-RKP	CDPADRQVNT	LIPWCLPHTG	NRHNNHWAGLY	GRLEWDGYFS
DNMT1_S.invi	LEYLHDDPKA	GRNSQNGFRG	VCSCCT-GQP	CDPTDKQFNT	LIPWCLPHTS	NRHNNHWAGLY	GRLDWNKFFK
DNMT1_S.purp	LRYTHRDTS	GKLSSTGALKG	VCSCAE-GEA	CDPSDRQFST	LIPWCLPHTG	NRHNNHWAGLY	GRLEWDGFFS
DNMT1_S.pist	LAYTHDDKKN	GRSSNGELRG	VCSCAE-GKP	CDPADRQVNT	LIPWCLPHTG	NRHNNHWAGLY	GRLEWDGYFS
DNMT1_X.trop	LRYSHHDKKN	GRSSTGALRG	VCSCSE-GKP	CDPADRQFNT	LIPWCLPHTG	NRHNNHWAGLY	GRLEWDGFFS
DNMT1_A.mill	LAYTHHDKKN	GRSSEGHRLG	VCSCAE-DKP	CDPADRQFNT	LVPWCLPHTG	NRHNNHWAGLY	GRLEWDGYFS
DNMT1_A.cali	LLYTHPDKRN	GKGSNGQRRG	VCACAT-GRV	CDPLDRQFNT	LIPWCLPHTG	NRHNNHWAGLY	GRLEWDGFFS
DNMT1_D.giga	LRYTHVDKKN	GTSSTGERRG	VCSCAE-GAG	CDPADRQFNT	LIPWCLPHTG	NRHNNHWAGLY	GRLDWDGFFS
DNMT1_H.rob	LRYTHDDKRV	GKTASGNLRG	VCSCVE-TGH	CDPAHRQFNT	LIPWCLPHTG	NRHNNHWAGLY	GRLEWDGFFS
DNMT1_S.cili	LRYTHPDKRN	GRSSTGAVRG	VCSCAN-GKA	CDPADRQFNT	LVPWCLPHTG	NRHNNHWAGLY	GRLEWDGFFS
DNMT3a_H.sapi	-----	-----	-----	-----MNEKE	DILWC	-----	-----
DNMT3b_H.sapi	-----	-----	-----	-----MNGKE	DVLWC	-----	-----
DNMT3a_M.musc	-----	-----	-----	-----MNEKE	DILWC	-----	-----
DNMT3b_M.musc	-----	-----	-----	-----MNGKD	DVLWC	-----	-----
DNMT3_S.cili	-----	-----	-----RRG	INGSLEGEDG	DMLWC	-----	-----
DNMT3_A.mill	-----	-----	-----	YVASDGHEKE	DILWI	-----	-----
DNMT3_A.mell	-----	-----	-----	-----MKDES	DSLWI	-----	-----
DNMT3_A.digi	-----	-----	-----	YVASDGHEKE	DILWI	-----	-----
DNMT3_A.quee	-----	-----	-----MFD	ITGEGEEEEG	DVLWC	-----	-----
DNMT3_C.giga	-----	-----	-----	-----MNGRE	DNMWI	-----	-----
DNMT3_C.inte	-----	-----	-----	LVIQQRDQH	DCLWI	-----	-----
DNMT3_C.tele	-----	-----	-----	-----MGNHL	DTLWI	-----	-----
DNMT3_C.crux	-----	-----	-----	-----	-----	-----	-----
DNMT3_H.symb	-----	-----	-----	LTRSVNDEIE	DGLWL	-----	-----
DNMT3_H.vulg	-----	-----	-----	WTISRNSQLD	DGLWL	-----	-----
DNMT3_M.leid	-----	-----	-----	IAGDEEGPG	DWLWC	-----	-----
DNMT3_D.reri	-----	-----	-----	-----MNDKE	DILWC	-----	-----
DNMT3_N.vect	-----	-----	-----	VNDDGGQERE	DILWC	-----	-----
DNMT3_T.giga	-----	-----	-----	-----MNGES	DVLWV	-----	-----
DNMT3_O.fave	-----	-----	-----	FTASDGQOKD	DILWI	-----	-----
DNMT3_P.dami	-----	-----	-----	YTGADGQRKE	DVLWI	-----	-----
DNMT3_S.invi	-----	-----	-----	-----MKGKT	DTIWI	-----	-----
DNMT3_S.purp	-----	-----	-----	-----MNGRE	DGLWS	-----	-----
DNMT3_S.pist	-----	-----	-----	YTGSDGQLKE	DVLWI	-----	-----
DNMT3_X.trop	-----	-----	-----	-----MNEKE	DILWC	-----	-----
DNMT3_D.giga	-----	-----	-----	VFDSVTE	DLLWC	-----	-----
DNMT3_H.rob	-----	-----	-----	MLDNNEE	SLLWI	-----	-----

DNMT1_H.sapi	TTVTNPEPMG	KQGRVLHPEQ	HRVVSVRECA	RSQGFDPD TYR	LFGNI--LDK	HRQVGNAVPP	P----	L----
DNMT1_M.musc	TTVTNPEPMG	KQGRVLHPEQ	HRVVSVRECA	RSQGFDPDSYR	FFGNI--LDR	HRQVGNAVPP	P----	L----
DNMT1_P.hydr	TTVTQPDPMG	KQGRVLHPEQ	HRIVSVRECA	RSQGFDPDNYM	FYGCT--LDK	YRQIGNAVPP	P----	L----
DNMT1_D.reri	TTVTNPEPMG	KQGRVLHPEQ	HRVVSVRECA	RSQGFDPD TYR	FFGNV--LDK	HRQVGNAVPP	P----	L----
-----								
DNMT1_A.mell	TTITNPEPMG	KQGRVLHPEQ	HRVVSVRECA	RSQGFDPD TYR	FYGSI--LDK	HRQVGNAVPP	P----	L----
DNMT1_A.digi	TTVTNPEPMG	KQGRVLHPEQ	HRVVSVRECA	RSQGFDPD TFR	FFGTI--LDK	HRQVGNAVPP	P----	L----
DNMT1_C.giga	TTVTNPEPMG	KQGRVLHPEQ	HRVVSVRECA	RSQGFDPD TYR	FFGNI--LDK	HRQIGNAVPP	P----	M----
DNMT1_C.inte	TTVTNPEPMG	KQGRVLHPQQ	HRVVSVRECA	RSQGFDPDSYR	FFGSI--LDK	HREVGNAVPP	P----	M----
DNMT1_C.tele	TTVTNPEPMG	KQGRVLHPEQ	HRVVSVRECA	RSQGFDPD TYR	FFGNI--QDR	HRQVGNAVPP	P----	M----
DNMT1_C.crux	-----	-----	-----	-----	-----	-----	-----	-----
DNMT1_E.feti	TTVTNPEPMG	KQGRVLHPEQ	HRVVSVRECA	RSQGFDPD TYR	FFGNI--LDR	HRQVGNAVPP	P----	L----
DNMT1_H.symb	TTVTNPEPMG	KQGRVLHPEQ	HRVVSVRECA	RSQGFDPD TFR	FFGNI--LDK	HRQIGNAVAP	P----	M----
DNMT1_H.vulg	TTVTNPEPMG	KQGRVLHPEQ	HRVVSVRECS	RSQGFDPDSFR	FYGNI--LDK	HRQIGNAVAP	P----	M----
DNMT1_M.leid	TTITNPEPMG	KQGRVLHPEQ	HRLVSVRECA	RSQGFDPD TYK	FYGNL--LDK	HRQIGNAVPP	P----	L----
DNMT1_N.vect	TTITNPEPMG	KQGRVLHPEQ	HRVVSVRECA	RSQGFDPD TYR	FYGSI--LDK	HRQVGNAVPP	P----	L----
DNMT1_T.giga	TTVTNPEPMG	KQGRVIHPEQ	HRVVSVRECA	RSQGFDPDHYR	FFGNI--LDR	HRQIGNAVPP	P----	L----
DNMT1_O.fave	TTITNPEPMG	KQGRVLHPEQ	HRVVSVRECA	RSQGFDPD TYR	FYGNI--LDK	HRQVGNAVPP	P----	L----
DNMT1_P.dami	TTITNPEPMG	KQGRVLHPQQ	HRVVSVRECA	RSQGFPDAYR	FYGSI--IDK	HRQVGNAVPP	P----	L----
DNMT1_S.invi	TTITNPEPMG	KQGRVLHPVE	SRVVSVRECA	RSQGFDPDSYR	FFGTI--LDK	YRQVGNAVPP	P----	L----
DNMT1_S.purp	TTVTNPEPMG	KQGRVLHPEQ	HRVVSVRECA	RSQGFDPD TYR	FFGSI--LDK	HRQVGNAVPP	P----	M----
DNMT1_S.pist	TTITNPEPMG	KQGRVLHPQQ	HRVVSVRECA	RSQGFPDAYR	FYGSI--IDK	HRQVGNAVPP	P----	L----
DNMT1_X.trop	TTVTNPEPMG	KQGRVLHPEQ	HRVVSVRECA	RSQGFDPD TYR	LFGNI--LDK	HRQVGNAVPP	P----	L----
DNMT1_A.mill	TTITNPEPMG	KQGRVLHPEQ	HRVVSVRECA	RSQGFDPD TYR	FYGNI--LDK	HRQVGNAVPP	P----	L----
DNMT1_A.cali	TTVTNPEPMG	KQGRVLHPEQ	HRVVSVRECA	RSQGFDPD TYR	FFGNI--LDK	HRQIGNAVPP	P----	M----
DNMT1_D.giga	TTITNPEPMG	KQGRVLHPSQ	DRVVSVRECA	RSQGFPD TCR	FVGS I--LDK	HRQVGNAVPP	P----	M----
DNMT1_H.rob	TTVTNPEPMG	KQGRVLHPEQ	HRVVTVRECA	RSQGFDPD TYR	FYGTV--LDR	HRQVGNAVPP	P----	M----
DNMT1_S.cili	TTITNPEPMG	KQGRVLHPEQ	NRVVTVRECA	RSQGFPDWFR	FYGNI--LDR	HRQVGNAVPP	PMAAAI	----
DNMT3a_H.sapi	-----	-----	TEME	RVFGFPVHYT	DVSNMSRLAR	QRLIGRSWSV	P----	V----
DNMT3b_H.sapi	-----	-----	TELE	RIFGFPVHYT	DVSNMGRGAR	QKLLGRSWSV	P----	V----
DNMT3a_M.musc	-----	-----	TEME	RVFGFPVHYT	DVSNMSRLAR	QRLIGRSWSV	P----	V----
DNMT3b_M.musc	-----	-----	TELE	RIFGFPAHYT	DVSNMGRGAR	QKLLGRSWSV	P----	V----
DNMT3_S.cili	-----	-----	TEME	RIFGFPAHYT	DVGNMGRVAR	QRLIGRAWST	P----	V----
DNMT3_A.mill	-----	-----	TEME	RLFGLPSHYT	DVSNMGRSQR	QRLIGKSWSV	P----	V----
DNMT3_A.mell	-----	-----	TELE	EIFGFPRHYT	DVKNLSATKR	QRLIGKSWSV	Q----	T----
DNMT3_A.digi	-----	-----	TEME	RLFGLPSHYT	DVSNMGRSQR	QRLIGKSWSV	P----	V----
DNMT3_A.quee	-----	-----	TEME	RLFGFDPHYT	DVANLGRSGR	QKLLGKAWSV	P----	V----
DNMT3_C.giga	-----	-----	TEIE	RVFGFPEHYT	DVGNMSVTAR	HKLIGQSWSV	P----	V----
DNMT3_C.inte	-----	-----	TEIE	RVFGFDPHYT	DVCNLPRTGR	LRILIGKSWSV	P----	V----
DNMT3_C.tele	-----	-----	PELE	RLFGFPOHYT	DVANIPVSRR	QVLLGNSWSV	P----	V----
DNMT3_C.crux	-----	-----	-----	-----	-----	-----	-----	-----
DNMT3_H.symb	-----	-----	TEIE	RIFGFDPHYT	DVCNMGORQR	QKLLGKAWSV	P----	V----
DNMT3_H.vulg	-----	-----	TEIE	RIFGFDPHYT	DVANMGQRDR	QKLLGKSWSV	P----	V----
DNMT3_M.leid	-----	-----	TEME	RVFGLPSHYT	DVANMSRFAR	QRLIGKAWSV	P----	V----
DNMT3_D.reri	-----	-----	TEME	RVFGFPVHYT	DVSNMSRLAR	QRLIGRSWSV	P----	V----
DNMT3_N.vect	-----	-----	TEME	RLFGFPSHYT	DVNNMGRTQR	QRLIGNAWSV	P----	V----
DNMT3_T.giga	-----	-----	TELE	QVGFPPRHYT	DAGNIPLGRR	QQLIGKAWSV	P----	V----
DNMT3_O.fave	-----	-----	TEME	RLFGLPSHYT	DVSNMGRSQR	QRLIGKSWSV	P----	V----
DNMT3_P.dami	-----	-----	TEME	RLFGLPSHYT	DVSNMGRSQR	QRLIGKSWSV	P----	V----
DNMT3_S.invi	-----	-----	TELE	EIFGFPRHYT	DVKNLSATNR	QKILIGKSWSV	Q----	T----
DNMT3_S.purp	-----	-----	TELE	RLFGFDPHYT	DVGNLSRTAR	QKLLGKAWSV	P----	V----
DNMT3_S.pist	-----	-----	TEME	RLFGLPSHYT	DVSNMGRSQR	QRLIGKSWSV	P----	V----
DNMT3_X.trop	-----	-----	TEME	RVFGFPVHYT	DVSNMSRLAR	QRLIGRSWSV	P----	V----
DNMT3_D.giga	-----	-----	TEME	RLFGFPAHYT	DVGNMGKNQR	QKLLGKSWSV	P----	V----
DNMT3_H.rob	-----	-----	PELE	RVFGFDPHYT	DIGDLPRTRR	QKLIGQAWSV	HKLELVNLI	----



DNMT1_H.sapi	-AKAIGLEIK	LCMLAKARES	ASAKIKEEEA	AKD	-----	-----	-----
DNMT1_M.musc	-AKAIGLEIK	LCLLSSARES	ASAAVKAKEE	AATKD	-----	-----	-----
DNMT1_P.hydr	-AAAAGREMI	KANNSSKAAE	ISCT	-----	-----	-----	-----
DNMT1_D.reri	-SKAIGLEVK	KCVLEKMREN	ATEPVKQEKM	ELSD	-----	-----	-----
DNMT1_A.mell	-----IR	IYVS	-----	-----	-----	-----	-----
DNMT1_A.digi	-AAAIGREIK	KSLQATOONA	-----	-----	-----	-----	-----
DNMT1_A.quee	-AKAIGLEIK	RSVEKKDK	-----	-----	-----	-----	-----
DNMT1_C.giga	-ARFIGLEIR	KSLEWKTADQ	PDIIETETEVK	GDVKMEVKVA	EGSPCKPGSS	LN	-----
DNMT1_C.inte	-SKAIGLQIK	KSLEWKVQQ	-----	-----	-----	-----	-----
DNMT1_C.tele	-AKAIGSEIK	KCVLWKMEQD	AKKEREKKKQ	VDKEEGKKQD	EKEKKDGDEE	MKGDEEERKG	DEEERKGDEE
DNMT1_C.crux	-----	-----	-----	-----	-----	-----	-----
DNMT1_E.feti	-ARAIGLEIK	KCLEWKESKE	QVIHSNDEMM	MVSE	-----	-----	-----
DNMT1_H.symb	-AAAIGQEIR	KSIVQKKMKN	NENETNRSRV	IEESEKKREV	KETVKQENKD	GDIEDDGNSS	-----
DNMT1_H.vulg	-SAAIGQEIR	KSIIAKKLRN	EQLQSIKEEN	NHIATF	-----	-----	-----
DNMT1_M.leid	-ARAIGDEIA	KCLRVSQQRK	ELKVESKLDV	N	-----	-----	-----
DNMT1_N.vect	-AAAIGREIK	KGLELTQGVR	KKDESKMDIT	S	-----	-----	-----
DNMT1_T.giga	-AKAIGLEVL	KCVTHKAEET	PCMNIDFEKS	KHVPESMSKG	YV	-----	-----
DNMT1_O.fave	-AAAIGREIR	KSLLAGAKSN	PNPE	-----	-----	-----	-----
DNMT1_P.dami	-AAAIGREIR	KCLTPESKSK	SPEXRPRSAR	WPCIPFFFD	CRVKTSHRIC	ANSICTLYTQ	IFLEYIYMYT
DNMT1_S.invi	-GAAIGHEIR	KCIRDVTLNM	ETKSTNNYSA	KATTSKSFDS	LNENHSKSN	EDLLEDANNC	YITRVWTSMT
DNMT1_S.purp	-AAAIGMEIK	QCLQAKAKKD	QERQALEPVK	EEIEESMD	-----	-----	-----
DNMT1_S.pist	-AAAIGREIK	KCLTAGSKYK	SPE	-----	-----	-----	-----
DNMT1_X.trop	-SKAIGSEIK	KCVLSREKEN	GTETVKAEM	ETD	-----	-----	-----
DNMT1_A.mill	-AAAIGREIK	KSLQASQONA	-----	-----	-----	-----	-----
DNMT1_A.cali	-GRAIGLEIK	KCLVWKQKNG	PEEEKTGSEV	EKAKEEEKTE	EKDLPESSQE	KEEEEEKKPTS	NGSGGSEEEV
DNMT1_D.giga	-ARAIGLEIK	KCLKSHDTCC	DKL	-----	-----	-----	-----
DNMT1_H.rob	-ARHIGFEIK	KSLQLSLEKK	ENDKKP	-----	-----	-----	-----
DNMT1_S.cili	-GREILRSVR	QYSAAAAQPV	SPQKK	-----	-----	-----	-----
DNMT3a_H.sapi	-IRHLFAPLK	EYFACV	-----	-----	-----	-----	-----
DNMT3b_H.sapi	-IRHLFAPLK	DYFACE	-----	-----	-----	-----	-----
DNMT3a_M.musc	-IRHLFAPLK	EYFACV	-----	-----	-----	-----	-----
DNMT3b_M.musc	-IRHLFAPLK	DYFACE	-----	-----	-----	-----	-----
DNMT3_S.cili	-IRHLLAPLR	DYFKTTGKQL	PVQOK	-----	-----	-----	-----
DNMT3_A.mill	-IRHLLSPLK	DYFKCET	-----	-----	-----	-----	-----
DNMT3_A.mell	-LTAIFESLC	PFFERDIVEI	EG	-----	-----	-----	-----
DNMT3_A.digi	-IRHLLSPLK	DYFKCET	-----	-----	-----	-----	-----
DNMT3_A.quee	-IRHLLSPLK	DYFKSDTTGV	PSSSLKQTHIP	ITPVSITTAP	PAPVLPVIAP	PPKYLSPPEPE	TVIVIMKTDE
DNMT3_C.giga	-VEGILSPLR	KFFRTKK	-----	-----	-----	-----	-----
DNMT3_C.inte	-IKHIFAPLK	DYFSSV	-----	-----	-----	-----	-----
DNMT3_C.tele	-VKRLLLPLK	NFFQTKH	-----	-----	-----	-----	-----
DNMT3_C.crux	-----	-----	-----	-----	-----	-----	-----
DNMT3_H.symb	-IRHLFTPLK	DYFRTNSSPE	KTADV	-----	-----	-----	-----
DNMT3_H.vulg	-LRHLFAPLR	NYFRSKVYID	NYNSML	-----	-----	-----	-----
DNMT3_M.leid	-LRHLLSPLR	DYFMCQQR	-----	-----	-----	-----	-----
DNMT3_D.reri	-IRHLFAPLK	EYFACVGT	-----	-----	-----	-----	-----
DNMT3_N.vect	-VRHLLSPLK	DYFKCT	-----	-----	-----	-----	-----
DNMT3_T.giga	-IKHLFMPK	NFFKLVPS	SSSPATSSPT	VTTTATTVNA	VVMPTSS	-----	-----
DNMT3_O.fave	-IRHLLSPLK	DYFKCEA	-----	-----	-----	-----	-----
DNMT3_P.dami	-IRHLLSPLK	EYFKCEA	-----	-----	-----	-----	-----
DNMT3_S.invi	-LTAIRPLC	SYFKCNEDET	NKETTS	-----	-----	-----	-----
DNMT3_S.purp	-IRHLMAPLK	DYFACSAONE	-----	-----	-----	-----	-----
DNMT3_S.pist	-IRHLLSPLK	DYFKCEA	-----	-----	-----	-----	-----
DNMT3_X.trop	-IRHLFAPLK	EYFACV	-----	-----	-----	-----	-----
DNMT3_D.giga	-IRHLLAPLR	EYFSSKSSTE	NSSKK	-----	-----	-----	-----
DNMT3_H.rob	YIRFCLIQLN	KKSECLRKDN	HQKQFRMFKK	SKNLGEKRKA	-----	-----	-----

DNMT1_H.sapi	-----	-----	-----	-
DNMT1_M.musc	-----	-----	-----	-
DNMT1_P.hydr	-----	-----	-----	-
DNMT1_D.reri	-----	-----	-----	-
DNMT1_A.mell	-----	-----	-----	-
DNMT1_A.digi	-----	-----	-----	-
DNMT1_A.quee	-----	-----	-----	-
DNMT1_C.giga	-----	-----	-----	-
DNMT1_C.inte	-----	-----	-----	-
DNMT1_C.tele	EMKGDDEERK	GDEEEERMES	-----	-
DNMT1_C.crux	-----	-----	-----	-
DNMT1_E.feti	-----	-----	-----	-
DNMT1_H.symb	-----	-----	-----	-
DNMT1_H.vulg	-----	-----	-----	-
DNMT1_M.leid	-----	-----	-----	-
DNMT1_N.vect	-----	-----	-----	-
DNMT1_T.giga	-----	-----	-----	-
DNMT1_O.fave	-----	-----	-----	-
DNMT1_P.dami	YKSAFHSYAL	GLTOPPVESE	ATCF	-
DNMT1_S.invi	FSSTPSAVRH	EK	-----	-
DNMT1_S.purp	-----	-----	-----	-
DNMT1_S.pist	-----	-----	-----	-
DNMT1_X.trop	-----	-----	-----	-
DNMT1_A.mill	-----	-----	-----	-
DNMT1_A.cali	DMESESKQES	GSKGADSGTA	GAGASSSSAL	A
DNMT1_D.giga	-----	-----	-----	-
DNMT1_H.rob	-----	-----	-----	-
DNMT1_S.cili	-----	-----	-----	-
DNMT3a_H.sapi	-----	-----	-----	-
DNMT3b_H.sapi	-----	-----	-----	-
DNMT3a_M.musc	-----	-----	-----	-
DNMT3b_M.musc	-----	-----	-----	-
DNMT3_S.cili	-----	-----	-----	-
DNMT3_A.mill	-----	-----	-----	-
DNMT3_A.mell	-----	-----	-----	-
DNMT3_A.digi	-----	-----	-----	-
DNMT3_A.quee	MD	-----	-----	-
DNMT3_C.giga	-----	-----	-----	-
DNMT3_C.inte	-----	-----	-----	-
DNMT3_C.tele	-----	-----	-----	-
DNMT3_C.crux	-----	-----	-----	-
DNMT3_H.symb	-----	-----	-----	-
DNMT3_H.vulg	-----	-----	-----	-
DNMT3_M.leid	-----	-----	-----	-
DNMT3_D.reri	-----	-----	-----	-
DNMT3_N.vect	-----	-----	-----	-
DNMT3_T.giga	-----	-----	-----	-
DNMT3_O.fave	-----	-----	-----	-
DNMT3_P.dami	-----	-----	-----	-
DNMT3_S.invi	-----	-----	-----	-
DNMT3_S.purp	-----	-----	-----	-
DNMT3_S.pist	-----	-----	-----	-
DNMT3_X.trop	-----	-----	-----	-
DNMT3_D.giga	-----	-----	-----	-
DNMT3_H.rob	-----	-----	-----	-