

### Spt16N\_N Lobe

P.t._SPT16-1	1	-----MDKVQIALQNKEKKNNKLAIITLRK-----ANQFDCLAVLICTSHTSNIGIQ-KCFQ
T.t._SPT16	1	-----MSKVKAIDIYQHHKQLLSVWNK-----QPQYANIDAFIIKNCK-DQGGNKKIKTSALIS
P.t._SPT16-2c	1	-----MDKKIIADYFQRHLDQLTSNLND-----DIPALCIIISGK-EDGSIKPKTRALF
P.t._SPT16-2a	1	-----MDKKIIADYFQRHLEQLVSENLNE-----DVPAICIIISGK-EDGSIKPKTRALF
P.t._SPT16-2b	1	-----MDKKIIADYFQRHLEQLVSENLND-----DIPALCIIISGK-EDGSIKPKTRALF
A.t._SPT16	1	MADSRNGNARAPPSGVPPKAGNTYSIDVKN-EISRARALYEWKK--HS-ADLWGSADALAIATPPASDDLRLYKKSAIN
S.p._Spt16	1	-----MAEYEIDEIT-EHKRLGILLSWRNEEDG-KTLFQDCDSILVTVCAHDLTNPYQKSTAIH
S.c._Spt16	1	-----MEELNIDFDV-EKKRIELLYSKYNE-----FEGSPNSLLFV1CSSNAENPQKTHILH
C.e._SPT16	1	-----MSGKRAVENKDI-EFQRAERLYEWEK---G-ADGLDSTKSLAFVYG--ETDNPYTKTSAIF
D.m._Dre4	1	-----MSSFVLDDKA-EVRRVKRLYIWRAPSIGHDDALRNLDLDCIMSIVGV-EEDVMYSKOMAIQ
H.s._SPT16H	1	-----MAVTLDKDA-YYRRVKRLYSNWRK---G-EDEYANVDAIVVSVGV-DEEIVYAKSTAIQ
M.m._Supt16	1	-----MAVTLDKDA-YYRRVKRLYSNWRK---G-EDEYASVDAIVVSVGV-DEEIVYAKSTAIQ

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P.t._SPT16-1	52	QWYLCCELMDCILIMSTKMCIIADEVMFQKLKHL-----SDIKMKFTIFFLIKNIKKNNH--QQEQFALELRKEYP
T.t._SPT16	52	MWYFGFLFIDTILLIKKTFAIIGGNKKINMLKSVQ---EHAEEAKNEYNLVFEEDQANNNSNQLQQIFEILDKDINKSS-
P.t._SPT16-2c	48	VWLFGYDMIETVFLATRKQIFYLASDKKLQMMET----KQRLGGRYEVHFYKVKADNRDS----FEKIRQKLGPN---
P.t._SPT16-2a	48	VWLFGYDMIETVFLATRKQIFYLASDKKLQMMET----KQKLSGKFEVHFYKGNDNRES----FDKIRQKLGPN---
P.t._SPT16-2b	48	VWLFGYDMIETVFLATRKQIFYLASDKKLQMMET----KHKLSGKFEVHFYKMNDNKDA----FDKIRQKLGPN---
A.t._SPT16	77	IWLLGYEFPTDTIMVFIKKQIHLCSRKNKASILLEVV----KKPAHDELKLDVIMHVVPKGDD-GTGLMDAIFRAIRDLSR
S.p._Spt16	59	TWLLGYEFPTSTLILLEKHTITILTSVNKAQMLTKI----AETKGAAADVNIIKFKTDAAEEN--KKLFEEKIIEYIATN-
S.c._Spt16	53	NWLLSYEFPATLIALVPGKVIITSSAKHLQKAIDL--FKDPESKITLEWQPNKEPEL-NKKLFDDVIALINSAG-
C.e._SPT16	56	TWLFGEIATDVLLLKDHYYILGSNRKVVEFFGSVTGD--NQSSGVPTVSTLLFDKTDKDA--GNFEKLIDHISAG-
D.m._Dre4	59	IWLLGYELTDTISVFCSDAYFLTSKKKVEFLKQTQ---NITEEGFPEINLLVNRDRTDKDQ--GNFEKLIKAQNSKK
H.s._SPT16H	54	TWLFGEYELTDTIMVFCDDKIIFMASKKKVVEFLKQIANTKGRENANGAPATTLLIKEKNESNK--SSFDKMIETAKESKN
M.m._Supt16	54	TWLFGEYELTDTIMVFCDDKIIFMASKKKVVEFLKQIANTKGRENANGAPATTLLVREKNESNK--SSFDKMIETAKESKS

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### Spt16N\_Peptidase M24

P.t._SPT16-1	124	G---NNYRLALNLSDGQKSPLITEFNQFD---QNHLIKVDCTSFLKEIINNDNDKIDFEYNTCGKINSYYMKF-MSQR
T.t._SPT16	127	-----FNIIGTLAKEQQVGFMTTEYDSFQKD--KNQYKFAQDSVVFQDCLSVKDQNEISYIGKAAKVSVYLESK-LIKE
P.t._SPT16-2c	115	-----GKLGMPTEQQAGSLATEWYDY----KGWSQIVDASQLISDVLAVKDDQEQAFIGQSSQITTRIFKK-LIKQ
P.t._SPT16-2a	115	-----VKLGMPTEKQAGSLAAEWYFY----KGWQQIVDANQLISDVLAVKDDQEQAFIGQSSQITTRIFKK-LIKQ
P.t._SPT16-2b	115	-----VKLGMPTEKQAGSLAAEWYFY----KGWQQIVDANQLISDVLAVKDDQEQAFIGQSSQITTRIFKK-LIKQ
A.t._SPT16	151	GDGNDSQVVGHIAREAPEGKLLETWTPEK---NANFQFVDIRGGISDLIAVKKDDTEVMSVKAAAYTAYSVMKNVVPN
S.p._Spt16	131	-----KKGVVFPKDKTQCQKFTNEWDSIFEPV-KSEFNIVDASLGLAKCIAKDEQELANIKGASRVSVAVMSKYFDE
S.c._Spt16	129	-----KTVGVPEKDPSYQKFMTEWPVWAAVKENEVNVIDISLGLSKWPEVKVNVNEQAFISVSKGSDKFMDL-TSNE
C.e._SPT16	130	-----GDVGNFVKENFSSEFVSSWNKA-----EGGVNKNDTVLAFTHLFAVKDDKEMDLIRKSAQATTASWTA-ARAR
D.m._Dre4	132	G-----KRLGVFAKDAYFGEFSEAWKKS-----ASKFEHVDISTIAYLMCPKDESEINNIRKASIVSMDIFNKYKDE
H.s._SPT16H	131	G-----KKIGVFSKDKFGEFMKSWND-----KECFDKIDISAVVAYTIAVKEDGEINLMKKAASITSEVFNKFFKER
M.m._Supt16	131	G-----KKIGVFSKDKFGEFMKSWND-----KECFDKVDISAVVAYTIAVKEDGEINLMKKAASITSEVFNKFFKER

### Spt16N\_Peptidase M24

P.t._SPT16-1	196	IELAIKFNFENTTNYSITQAVKREKSSDLNQMATRRKFGL-----Q-GNYDILS-STVQSGGOYNVSASE-STQSRIV
T.t._SPT16	197	IETIIEDEGKKTHSQIATMIEGLIENEKELKKTSEEIGG-----ESDNLDIAYVPIVQSGCKYDLKPNAQSNEIILS
P.t._SPT16-2c	182	IEDSIDVGRITHQDLAGKVEQSLNDNQK--KVIKDIGL-----QDGLYDFAYTPIIQSGGNY--QQVDGPNKDYILS
P.t._SPT16-2a	182	IEDSIDVGRITHQDLAGKVEQSLNDNQK--KVMKEIGL-----QDGLYDFAYTPIIQSGGNY--QQVDGPNKDYILS
P.t._SPT16-2b	182	IEDSIDVGRITHQDLAGKVEQSLNDNQK--KVMKEIGL-----QDGLYDFAYTPIIQSGGNY--QQVEGPNKDYILS
A.t._SPT16	227	LESAIDEKDVTHSALMLTPEKAILPTK---ASVKL-----KPNENVDIYCFFIFQSGCKDLKPSAAASNDIILT
S.p._Spt16	203	ISTYIDQGKITHSKFSQNEBSLIDNEAFFQTKSLKLGDI-----DLDQLEWQYTPPIIQSGGSDILKPSAIIDDRNTH
S.c._Spt16	202	MVRAVDEIILKITTNAKLSDKLENKIDDVKFLKQISPDISALCPPNYKFNFDLIDWYIYPIIQSGCKEDILRVSARSTNDQIY
C.e._SPT16	199	YFETIDQKVRHRSVLSNEFAAFMKDSKV-----QOAI-----AKYEADTCYDPIVMSGGNYSFKNHESSESHIH
D.m._Dre4	203	IMDIIDSPRKVKHNKLSDGCEAAIGEKKY-----TSGI-----DPRLLDMDAYPPIIQSGGAYSLKFSAVADKNPH
H.s._SPT16H	202	VMEIVDADAEKVRHRSKLAESVEKAIEEKKY-----LAGA-----DPSTVEMCYFPPIIQSGGNYNLKFSVVSDKNHW
M.m._Supt16	202	VMEIVDADAEKVRHRSKLAESVEKAIEEKKY-----LAGA-----DPSTVEMCYFPPIIQSGGNYNLKFSVVSDKNHW

### Spt16N\_Peptidase M24

P.t._SPT16-1	265	GD---VVIYSFCCQYMQSQSYCRTLIFQENQELEQIYRVLILNVHAFALG-LVKEDIQFKQIYRETQNIWETIFKDDPEM
T.t._SPT16	269	YD---TIIISVGTKYMBYHANIVRTLFIIDPTNDQKKIYQRVYELQNQIAV-QLKPGIKLKTVYENAUNFIN---EKVEQL
P.t._SPT16-2c	250	SD---VIIISLGTQVNNEYNTINCIRTLFIFINPTEVQKKLYNTIIEVQSKIIIG-LITVGTPLNQVYKEAVPILQ---QKIQEI
P.t._SPT16-2a	250	SD---VIIIQLGTQVNNEYNTINCIRTLFIFINPTEIQQKKLYNAIIEVQSKIIIT-LNTIGVSLNVVEKESIQLIQ---YKLQEL
P.t._SPT16-2b	250	SD---VIIIQLGTQVNNEYNTINCIRTLFIFINPTEIQQKKLYNAIIEVQNKIIIT-LNTIGTTLNSVEKEAIQLIQ---QKLQEL
A.t._SPT16	294	YDPASIIIICAVGARYNSYCSNVARTYLIDATSIQSAYEVLLKAHEAAID-ALESGRKINTVYQAAALSVVE---KNAPEF
S.p._Spt16	276	GD---VVIICSLGFRYKSYCSNVGRTYLFEDPSEQQKNYSPFLVAIQQKKLFE-YCNDGAVIGDITYTKIILGLIR---AKRPDL
S.c._Spt16	282	GN---GCILASCGLYRNYCSNIITRFLFLIDPSEEMANNYDFPLITLQKEIVVTNLLKEGRTPKEVYESVIE---KTKPEL
C.e._SPT16	265	SQ-FGTIIITSFGARLSEYCTNLTRTMLIPPSSELETAYEAIIAAELAVIA-ALKEGAKLSDVYKIGIDTLT---EKSEKL
D.m._Dre4	269	FG---VIVOSLGLARYKSYCSNISRTFLVNPTEAMQENYTFLVSVQEEILK-LIIVGEGTKLCDVYETKIDFVK---KEKPSM
H.s._SPT16H	268	FG---AITCAMGIRFKSYCSNLVRTLMDPDSQEVQENYNFLIQIQLQEEELIK-ELRHGVKICCDVYNAVNDVVK---KQKPEL
M.m._Supt16	268	FG---AITCAMGIRFKSYCSNLVRTLMDPDSQEVQENYNFLIQIQLQEEELIK-ELRHGVKICCDVYNSVMNDVVK---KQKPEL

### Spt16N\_Peptidase M24

P.t._SPT16-1	341	---KMKFF-TDIGYLG----SOMLIDNHNIE-TIQDRMAVVTRMFVDNILVQLPFYPERTNIALCLADTIFV---VSG
T.t._SPT16	342	---KDKIF-ANFGFGIGLEFRESNLVYIANKNEK-EVEEGMVENVVVGFDNLOSE---KEKAYAIIQISDTVAI-RKQNT
P.t._SPT16-2c	323	NITNVQLP-SSFGYGIGLELKEPFLATIYEKSTH-LVAKNEVFLVQVTLNLSNGQ---KGISYTTSVGDVIVVV---TNG
P.t._SPT16-2a	323	NLQNIQLP-TSFYGYGIGLEIKEYCLTINKEKSTH-VVTKGEVFLVNVSLENVQNGQ---KNITYTVQVGDVIVV---TNG
P.t._SPT16-2b	323	NLLNIQLP-NSLGYGYGIGLEIKEYCLTINKEKSTH-VVAKGEVFLVNVVMENVPNGQ---KNIVYTVQVGDVIVV---TNG
A.t._SPT16	370	---VDKLT-KSAGTIGIGLEFRESGLNINAKNDK-VLRPKMAMWVSLGFQNLCECESRSRKNKFSLILLADTVLV---TDQ
S.p._Spt16	349	---EPNFV-RNLGAIGIGLEFRESSLLVNAKNPR-VLQAGMTLNLISIGFGNLINPHPKNSQSKEYAIIDTIDTIQI---TRS
S.c._Spt16	357	---VFNFV-KNIGSLIGLEFRDSNFIIINVNDYRKIQRGDCENISFGFNNLKDQ---SANNYAIQIADTVQIPLDETE
C.e._SPT16	340	---AETLNKKELGFTGLEFRESRLAISAKCDE-VVKAGMVEIVYIGVDSIPKKN-KGEKGKPAAIASDTIIV---KEEG
D.m._Dre4	342	---VDNLP-KSFGFAMGLEFRENSIVIGPKCQA-LLKKNMVNLHVGIISNLINPEATDKEGKNAIYAEIGDTVVLV---GEQS
H.s._SPT16H	341	---LNKLT-KNLGFGMGLEFREGSLVINSKNOY-KLKKGMBESTNLGFSDSLTKEGKKPEEKTYAIYAEIGDTVVLV---DEDG
M.m._Supt16	341	---LNKLT-KNLGFGMGLEFREGSLVINSKNOY-KLKKGMBESTNLGFSDSLTKEGKKPEEKTYAIYAEIGDTVVLV---DEDG

### Spt16N\_Peptidase M24

P.t._SPT16-1	408	IEDCVITKAEKEFTFVSYQPTEEGE-----RFFK--STFQKNENSD-VLHQSEKITR---EQFEQAELNKIKND
T.t._SPT16	411	PNAVMTFKVSKKYEDEIISVSIQDEQGQDEQEEEEDDLEKE---NIIQDGRRTRNAYHKNTTIVS-----EKERQKH---
P.t._SPT16-2c	394	AANVTNSTIPKAYKOISQIQQEDEQPAQKQ---QPKQ---TDAPKEGRTRAPRNQQIQIQR---ENEKQRQIH---
P.t._SPT16-2a	394	ATTITIQQIPKAYKOISQIQQEDEPERKP---APVQ---TDKDKPIRAR-PRNQQIQIQR---ENEKQRQIH---
P.t._SPT16-2b	394	ATTITIQQIPKAYKOISQIQQEDEPERKP---APVQ---TDKDKPIRAR-PRNQQIQIQR---ENEKQRQIH---
A.t._SPT16	442	KPELIITK-CSKSVKDWAYNSFEDEEEE---KPRK---KARTSGSENY-IITKTAIERSDD---HVVSKEELRKOH---
S.p._Spt16	421	DPIVFTD-SPKAQGDIISFFGEDDSSLEDGV---KPRK---PPTRGTATISSHKGKTRSET--RDLDSSAEKRRVEH---
S.c._Spt16	429	PPRFITN-YTKAKSOISYFYNNNEEDNNNNKKK---Spat---KVPSPKDRNSKIIITKLRGEARGGAEDAQKEQIRKEN--
C.e._SPT16	413	DNEIIITTEKAKSRILKSNVILKEEQQENREAEDD---NDQK---KMLGRGQRSV-VIITDQTRNKT---TNEELRKER--
D.m._Dre4	415	PASVNTP-SKKKIKNVGIFTKDDSDDEDVDDKKTAKEDQGTEITLGRSKRNA-VLESKLRNEI---NTEEKRKEH---
H.s._SPT16H	414	PATVITS-VKKKVKNVGINFLKNEDEEEEKEE---DEAE--DLGGRGSRAA-LITERTRNEM---TAEEKRRAH---
M.m._Supt16	414	PATVITS-VKKKVKNVGINFLKNEDEEEEKEE---DEAE--DLGGRGSRAA-LITERTRNEM---TAEEKRRAH---

### Spt16D

P.t._SPT16-1	471	QEKLKEIKOYELEVRLNDQQ--TRQEPKLLVKMDQLQAFQKEDQFDQ---YPKGELAVDQDKSAIIIPITIGTHYPFHALT
T.t._SPT16	478	QELREVKLKELQERYNNNGFLSNKINSRALEIDKVCQCYGGPQDIPKE---YKKNQIHDAAHNAILLPVNGLVPFHISL
P.t._SPT16-2c	459	QEKLAKDKONELEQRLEQDFQFVQNSQETIALEIDKLQCYOKSECYPKD---LOKGQIYIDNQKCAVLIVPLLGTHVPFHVSC
P.t._SPT16-2a	457	QEKLAKDKOTELEQRLEQDFQFVQNQQEVIALEIDKLLCYQRPQCYPKE---LOKGQIYIDNQKCAVLIVPLMGTHVPFHVSC
P.t._SPT16-2b	457	QEKLAKDKOTELEQRLEQDFQFVQNQQEVIALEIDKLLCYQRPQCYPKE---LOKGQIYIDNQKCAVLIVPLMGTHVPFHVSC
A.t._SPT16	504	QAEALARQNEETARRIAGDSSGAGDSRSTAKTSADVVAAYKNVNDMPHK---EIMIQVDTRNEAVLIPITYGSIVPFHVAT
S.p._Spt16	489	QKOLASRKQOAEGLQRFQAGQGSVPSSGIEKP--TVKRFESYKRDSLQPLQA---IGETPILVVDYRAQSIIIPIFGRPVPFHIST
S.c._Spt16	501	QKQLHEKLEKNGLIRFSAAAD-NGPDSEPRQYFKKYESEYVRDSLQPLTN---IRDRIHVDWKQSQTIIIPYGRPVPFHINS
C.e._SPT16	478	QEKLGVQINELAKARLSKOGGGTDEKKSK---KSNVSYKTEERFBQDADVOKMIVFVDRKYDSVVVPIFGIPVPFHISM
D.m._Dre4	484	QRELAAQIINERAKDRILARQGNSKEVEKVR---KNTVSYKSIQMPREPEVKEIQLYVDKKYETVIMPVFGIATPFHIA
H.s._SPT16H	478	QEKLAAQIINEEAKRRLTBQKGEQQIQKAR---KSNVSYKNPSLMPKEPHIREMKIYIDKKYETVIMPVFGIATPFHIA
M.m._Supt16	478	QEKLAAQIINEEAKRRLTBQKGEQQIQKAR---KSNVSYKNPSLMPKEPHIREMKIYIDKKYETVIMPVFGIATPFHIA

### Spt16D

P.t._SPT16-1	546	IQNVSVKELPNAGAEITIRFWTNEFHID---TR-EFPSM-DQDQMFLKEITLQNQEFIG-----LQDIEINEINVCRD
T.t._SPT16	556	IKNYSKNDEGKT-HTLRINHNPNGSGN-LANI-TFPKI-DQIVFIKELTFRSKN-----AKNMLETIKKIKD
P.t._SPT16-2c	537	IKNMG-----SSIRINFITSETTAG---QT-QFPQI-DGETIFIKELYRSK-----SDRPQNLILQIKQ
P.t._SPT16-2a	535	IKNVSKIDEKGKMGSSIRINFITSETTAG---QT-QFPKV-DGETIFIKELYRSK-----SDRPQNLILQIKS
P.t._SPT16-2b	535	IKNVSKIDEKGKMGSSIRINFITSETTAG---QT-QFPKV-DGETIFIKELYRSK-----SDRPQNLILQIKS
A.t._SPT16	580	IRTSGNQDTNRNCYIRIENVPGTDFNPHDSN-SLKNQ-GAI---YLKEVSPRIMD-----SRHSSEVTQQIKT
S.p._Spt16	565	IKNASKNDEGNF-VYLRINEVSPGQIGGKDEL-PFEDP-NAQ---FIRSFTFRSSN-----NSRMSQVFQDQD
S.c._Spt16	578	YKNGSKNEEGEY-Y-TYLRINENSPGSSGGISKKVEELPYEESADNQFVRSITLRSKD-----GDRMSETFKQIAD
C.e._SPT16	554	IKNCSQSVEGDF-TYLRINATPGSQVG-KDSG-QFPHP-IAH---YMKELTFFASNIKDHHSSTAPSHNLSTAFRRIKE
D.m._Dre4	560	IKNISQSVEGEY-Y-TYLRINEFHPGATMGRNEGG-LYPQP-EAT--FVKEVITYRSNVKE-HGEVGAPSANLNNAFRRIKE
H.s._SPT16H	554	IKNISMSVEGDY-TYLRINFYCPGSALGRNENGN-IFPNP-EAT--FVKEVITYRASNIKA-PGEQTVPALNLQNAFRRIKE
M.m._Supt16	554	IKNISMSVEGDY-TYLRINFYCPGSALGRNENGN-IFPNP-EAT--FVKEVITYRASNMKA-PGEQTVPALNLQNAFRRIKE

P.t._SPT16-1	613	DARRKQIEKQLEVDKFDFVIEKLTVLPKN--TF-CLSKVYMRPTOSQKTRSPECFVECHENGFRYKS-ARGE-VIDFTET
T.t._SPT16	621	LOAKVKQTDQEAQNKDELIVEQDKLQL-RNPKRP-ALRNLKVRBATSQKVNCMLHLHNGFRYMI-TKNE-KVDVIEFK
P.t._SPT16-2c	593	LQKVKVAAEQQVEREKQHNGELEPLIVSKSGRKPF-IFKDLKVRPTFGS-GKAA-GLEVNSNGFRYVH-SNKE-QLDIVFK
P.t._SPT16-2a	599	LQKVKVTEQQVEREKQHNGELEPLILNKGRKPF-IFKDLKVRPTFGS-GKAA-GLEVHTNGFRYIH-SNKE-QLDIVFK
P.t._SPT16-2b	599	LQKVKVTEQQVEREKQHNGELEPLILNKGRKPF-IFKDLKVRPTFGS-GKAA-GLEVHTNGFRYIH-SNKE-QLDIVFK
A.t._SPT16	645	LRRQVMARESERERAERATHVTOQKLQLAGNKFKELRLSELWIREPFSRKKIP-CILEAHANGFRYSH-TRPDERVDVILHA
S.p._Spt16	629	MKKAATKRETERKEFADVIEQDKLIEIKNKRP-AHNDVYVRAIDG-KRLP-CETEIHQNGIRYOSPLRSDSHIDLLES
S.c._Spt16	646	LKEATKREQRERKALADVQDKLIIENKTCRTK-RLDQIFVRENPD-TKRVPS-TVFIHENGIROSPLRTDSRIDILLES
C.e._SPT16	628	MOKRFKTEEAEREKEGAVQDKLILSONKLNP-KLKDLLIRENIIQ-KRIT-CSLEAHTNGFRYTS-LRGD-RIDVILMN
D.m._Dre4	634	VQKRFKTRAEAEEREKEGIVVKQDTTLILSONLGNP-KLKDLYIRENIVT-KRMT-CSLEAHSNGFRYTS-VRGD-KVDILMN
H.s._SPT16H	628	VQKRYKTRAEAEKEKEGIVVKQDSLVINLNRSNP-KLKDLYIRENIAQ-KRMQ-CSLEAHVNNGFRYTS-VRGD-KVDILMN
M.m._Supt16	628	VQKRYKTRAEAEKEKEGIVVKQDSLVINLNRSNP-KLKDLYIRENIAQ-KRMQ-CSLEAHVNNGFRYTS-VRGD-KVDILMN

P.t._SPT16-1	688	SIKHCFEVSPEDDEVIACTHFIKMPIKCGKIMFSQIQFYRDIEGASEQEAAAR-----RKVRLFDIDHVF-DKKVQDRRL
T.t._SPT16	695	NIKHAIIFQPCDNEMIIVAHFNKLKNPIMIGKKKVWDVQFYTDAGLPPEDLN-----NRRRGHDYDEIEEEQMEKARRK
P.t._SPT16-2c	668	NIKHYIYQSPEDQDIIIAALHFHLHSPIVLGKPKTHDVQFYCEVGAVERHLEG-----RKNNKNDDDEIEEEERLRLVERK
P.t._SPT16-2a	674	NIKHYIYQSPEDQDIIIAALHFHLHSPIVLGKPKTHDVQFYCEVGAVERHLEG-----KKTNRNDEDEIEEEERLRLMRR
P.t._SPT16-2b	674	NIKHYIYQSPEDQDIIIAALHFHLHSPIVLGKPKTHDVQFYCEVGAVERHLEG-----KKTNRNDEDEIEEEERLRLMRR
A.t._SPT16	723	NIKHAIFQPAEAKEMITLHFHLHNHIMVGKIKTKDQFYVEVMDWVQSLGG-----GRRSAYDEDEIDEEQERERDRKN
S.p._Spt16	706	NMKHLEFQPCGEGLIVLHVHLKAPIMVGKKTQDVQFYREVSDIQFDETGNKK-----RKYMYGDDELEQOEERRRRA
S.c._Spt16	723	NIKNIIFQSCCKGELIVVIIHLKNPILMGKKKIQDVQFYREASDMSVDETGGGRRGQSFRRYGDEDELEQOEERRRRA
C.e._SPT16	703	NIKHAIFQPCDNEMIILHFHLKNPVILGKPKTHDVQFYTEVGEITTDLG-----KYHHMDRDDMQSEOOEREMRR
D.m._Dre4	709	NIKSAIFQPCDGEMIILHFHLKYAIMFGKKKHVDVQFYTEVGEITTDLG-----KHOHMHDRLDIAAEQAERERIRH
H.s._SPT16H	703	NIKHAIFQPCDGEMIIVLHFHLKNAIMFGKKRHTDVQFYTEVGEITTDLG-----KHOHMHDRLDLYAEQMEREMRH
M.m._Supt16	703	NIKHAIFQPCDGEMIIVLHFHLKNAVMFGKKRHTDVQFYTEVGEITTDLG-----KHOHMHDRLDLYAEQMEREMRH

### Spt16M\_Rtt106

P.t._SPT16-1	761	EELKNESFIQQSEQY-----YKRFNIKFERLEKQYSFEGNYAKERVVVFQPTQSQLVNIVDQPFITLLENVIDMCERV
T.t._SPT16	767	KINKDEEAFYKEVENQ-----LGDKIKFEPVYANLGFYGSERSRSTCLLQPTQNTLMNIIIEPPFFIMSLEEVELACFER
P.t._SPT16-2c	742	KMARDEEVFIKITIEEM-----GADYKISFKPFRDLGFEQGNWRARFLQPTHTNLMMNVVESPFFIILTSEVEICCFERI
P.t._SPT16-2a	748	KMAKDEEVFIKITIEEL-----GADYKISFKPFRDLGFEQGNWRARFLQPTTRDILMMNVVESPFFIILTNEVEICCFERI
P.t._SPT16-2b	748	KMAKDEEVFIKITIEEL-----GADYKISFKPFRDLGFEQGNWRARFLQPTTRDILMMNVVESPFFIILTNEVEICCFERI
A.t._SPT16	796	KINMDENHEANRVNDMWQLPQFASLDIEFQEIRELGFHGVEHKTSAFITPTSSLVLELIEYPFVVVSISEIEIVNIEERV
S.p._Spt16	782	QLDREEKSFIAEKIAEA-----SEGRIELDIPFRELAFNGVEERSNVIQPTIDOLVQLTDTPFTVITLINEIEIAHIERV
S.c._Spt16	803	ALDKDEEKYFADAIAEA-----SNGLITVNTFRDLGFGQGVBNRSAVFCMPTIDOLVQLIEPPTVIVNLEEEVICIIERV
C.e._SPT16	775	RINAAEINSFCEKVSRL-----TNDQFEDSPFAGLGFVBYRSATTIKPTASCLVNLTEWPFTIVTISEVELVHFERV
D.m._Dre4	781	KIKTAEKFNFIEKVEAL-----TKSVVFEFTPFRELGFPCAEFRSTVTLQPTSGSLVNLTEWPFTVTLDDVELVHFERV
H.s._SPT16H	775	KIKTAEKFNFIEKVEAL-----TKEELEFEVPFRDLGFGNABYRSTCLLQPTSSALVNATEWPFPFTVTLDEVELIHF
M.m._Supt16	775	KIKTAEKFNFIEKVEAL-----TKEELEFEVPFRDLGFGNABYRSTCLLQPTSSALVNATEWPFPFTVTLDEVELIHF

Spt16M\_Rtt106

P.t._SPT16-1	836	QEETISFDFIVAVLKDLEAQVIRIEAIDREDLKKIQQWLNNKKKILFFQTTSGLMWRRNMQFSIOKDFPLFVYDGGWATMMKD
T.t._SPT16	841	IGRLKNFDLIVFTFKDYEKQVTRIASIPIDKAEIVRNWLNSQNILYFESTKSFSWANILKTIRQDIGGFIIEDGGWNITLG-
P.t._SPT16-2c	817	IPGIKSFDFLVVFKNYDQVRLRIESIDIKDLEGVRNWLDRMNLLFFEVQONLVWKNVLAQIOKDIPGFVQDGGSWNITLAE
P.t._SPT16-2a	823	IPGIKSFDFLVVFKNYDQVRLRIESIDIKDLEGVRNWLDRMNLLFFEVQONLVWKNVLGQIOKDIPGFVQDGGSWNITLAE
P.t._SPT16-2b	823	IPGIKSFDFLVVFKNYDQVRLRIESIDIKDLEGVRNWLDRMNLLFFEVQONLVWKNVLGQIOKDIPGFVQDGGSWNITLAE
A.t._SPT16	876	GFGQKNFDMAIIFKDFKKDVLRVDSVPPTSSLEGKEWLDTTDIKYYESKINLNLNWRQIILKTIDDEQSFIGDGGSWNITLAE
S.p._Spt16	856	QFGLKNFDLIVFTFKDFRPPHINTTIPMEQLDNVKEWLDSDCICFYEGPINLNLNWTTIMKTVNEDEIAAFFEEGGWGFLGAP
S.c._Spt16	877	QFGLKNFDMVFVYKDFNKPVTHTNTVPIESLDFLRKQWLTDMDIPIYTGSTNLNWATIMKSLQDDHYQFFLDGGWNFLATG
C.e._SPT16	849	SLQLKNFDMVFTFKDYKIKPQMVQAIIPMSSIIDKIKEWLHTCDIWIYSEGICSLNWAKVMKTTIDDEAFFEEGGWSFLNVE
D.m._Dre4	855	QFHLKNFDMIVFVKEYNKKVAMNAIPNMNLHDVKEWLNSCDIRYSEGVCQSLNWQKIMKTTIDDEGFFEQQGWIFLDP
H.s._SPT16H	849	QFHLKNFDMVVYKDYSKKVTMNAIPVASLDPIKEWLNSCDLKTYEGVQSLNWTKIMKTTIDDEGFFEQQGWIFLDP
M.m._Supt16	849	QFHLKNFDMVVYKDYSKKVTMNAIPVASLDPIKEWLNSCDLKTYEGVQSLNWTKIMKTTIDDEGFFEQQGWIFLDP

Spt16C\_MBD

P.t._SPT16-1	916	HM--EHAPIQQFNDEP--LFEEDSSNGPTSVSEFEFEQDKKKNNKYLHLQKDDESDFSDLVDE--DIMSELDDIQEERRKRK
T.t._SPT16	920	----EDEGEDEDLPDEGDEDFSVQEDE-----EEEEESEEISESDEDFFDDEEASASDFEGDEDLSEEQGSWSPLIEENARK
P.t._SPT16-2c	897	SE--EEEGDEDLPAGDSEFSEFEQSP-----DGDDDSDFTEEDDDGGDDDDGGGSDDDL--SDVLDLNNSISQDDD
P.t._SPT16-2a	903	SE--EEGDDEEDLPAGDSEFSEFEGSGD-----DGDDDSDFTEEDDDGGDDGGDDDD--DDFLL--SDVLDLNKISQDED
P.t._SPT16-2b	903	SE--EEGDDEEDLPAGDSEFSEFEGSGD-----DGDDDSDFTEEDDDGGDDDDGGDDDD--SDVLDLNKISQDED
A.t._SPT16	956	GS--DSESGGSEESDK--GHEPSDLSVVEVES-----ESEDEASESESLSVSESDDEEEEDSEQESDE--PKGKTWDELEFREATN
S.p._Spt16	936	S---DDEGDDSVEEVS--EYEASADAP-----SDEEEEESEEYSEDASEEDGYSESEVFD--PSGEDDWDFLEFRKARQ
S.c._Spt16	957	SD--DEASDESEEEEVs--EYEASDDVSD---ESAFSEDEEGSEVDDDISGDESEDYT-GDES--EGEDDWDFLEKKAAR
C.e._SPT16	929	SD--NEFAMDSDSSD--AYDPEEEEDASAGSGS--ESDEDESEGE---FTSDDDDGSLDSDE--SGKDWSPLEEEAAN
D.m._Dre4	935	SG--SGENETAESSEDEAVNPTDA-----SDEESDEDSESYSEASDSEFESDEDLGSDE--PSGKDWSPLEFREAAE
H.s._SPT16H	929	GEGSDPAGDSESEIEDETFFNPSEDDY-----EEEEEEDSDEDYSSAEESDYSKESLGSDE--PSGKDWDDFLEBEARK
M.m._Supt16	929	GEGSDPAGDSESEIEDETFFNPSEDDY-----EEEEEEDSDEDYSSAEESDYSKESLGSDE--PSGKDWDDFLEBEARK

P.t._SPT16-1	---
T.t._SPT16	---
P.t._SPT16-2c	---
P.t._SPT16-2a	---
P.t._SPT16-2b	---
A.t._SPT16	---
S.p._Spt16	---
S.c._Spt16	---
C.e._SPT16	---
D.m._Dre4	1082 RH
H.s._SPT16H	---
M.m._Supt16	---



