

Dmel0bp18a	1	-----MKVVCSIAVLWICLITM <del>W</del> QSAGRVNAEG <del>C</del> LKHNN-----	33
Dmel0bp19a	1	-----MGLESGIRQIVSEMKFHLLLVCAVLSLGPQPQSEAG <del>V</del> TTEEQMWASAGKLMRDV <del>C</del> LPKYPK-----	58
Dmel0bp19b	1	-----MMQCSRMTTTLKMTNLLAVACA <del>A</del> VLMSGATADEEEGSM <del>T</del> VDEVVELIEPFGDAC <del>T</del> PKP-----	58
Dmel0bp19c	1	-----MKPSTPVA <del>A</del> IPLMTIIVAVLLQTHCVRGQTQAFDLAKLLPKTGTEPIWAVIDRNLPQVQEL-----	60
Dmel0bp19d	1	-----MSHLVHLTVLLLVGILCLGATS <del>A</del> KPHEEINRDHAAELANE <del>C</del> KAETG-----	45
Dmel0bp22a	1	-----MRVLLAFVLLGLSVL <del>A</del> TKE <del>P</del> EEVKIVSE <del>C</del> AKENN-----	34
Dmel0bp28a	1	-----MQSTPIILVAIVLLGAALVRA <del>F</del> DEKEALAKLME <del>S</del> AES <del>C</del> MPEVG-----	42
Dmel0bp44a	1	-----MKNVAIILLCALLGL <del>A</del> SASDYKLR <del>T</del> AEDLQ <del>S</del> ARKE <del>C</del> AASSK-----	40
Dmel0bp46a	1	-----MCSQLFAFLLLLTAFVTGRSTPPALDEDCELNSV--DTM <del>H</del> DF <del>C</del> CDLHD-----	46
Dmel0bp47a	1	-----MNRVLVLLLVLMKMFAL <del>S</del> ERFAKININLGLTVADESPK <del>T</del> ITEEMIRL <del>C</del> GDQTD-----	52
Dmel0bp47b	1	-----MSPSQLLVIFASLALNTRLVFGQATIDCQRPPQ--LV <del>D</del> PAL <del>C</del> CKDGGRD-----	46
Dmel0bp49a	1	-----MLSKSQLLLVVGFCL <del>N</del> AAVSADVDCSKRPS--FVNPK <del>T</del> CPMPDF-----	43
Dmel0bp50a	1	-----MRTGRILVALIFLGLIIPFRAAK <del>C</del> RAAPKS--VQ <del>N</del> VHVC <del>C</del> SAPLPN-----	43
Dmel0bp50b	1	-----MSSVLHLLGLFWLPLLVS <del>V</del> SNDMGG <del>L</del> QKCTELLN--THKLV <del>V</del> Y <del>C</del> CGKSFLDK-----	49
Dmel0bp50c	1	-----MARHIALLICSLLAMAG <del>C</del> DPIDVDCTRRQD--FN <del>I</del> VKDC <del>C</del> CVYPTFR-----	43
Dmel0bp50d	1	-----MLHKLTVWLVIFIPAFRAAD <del>P</del> IC <del>S</del> QRPD--VI <del>A</del> LRN <del>C</del> CKLPNLD-----	40
Dmel0bp50e	1	-----MHKYIICFGFLLIILECSL <del>A</del> SFNCSAPPNFNF <del>D</del> INT <del>C</del> CRTPELD-----	44
Dmel0bp51a	1	-----MKVFIGLVLLAVTTLSSAL <del>F</del> ESEANE <del>C</del> AKKLG-----	32
Dmel0bp56a	1	-----MNSYFVIALSALFVTLAVG <del>S</del> LNLSDEQKDLAKQHREQ <del>C</del> AEEVK-----	43
Dmel0bp56b	1	-----MKLIYLLVFLIFALSELVA <del>G</del> QSAEELAAYKQIQQA <del>C</del> IKELN-----	41
Dmel0bp56c	1	---MYFRASLMALLCLTLSEFVSKAW <del>T</del> RSLSVSLNMSMTRTLVDP <del>P</del> NGTENKLSQ <del>E</del> MLRA <del>C</del> MRTEISMS-----	67
Dmel0bp56d	1	-----MKFLIVLSVILAI <del>S</del> AELQLSDEQKAVAHANGAL <del>C</del> AQ <del>Q</del> EG-----	39
Dmel0bp56e	1	-----MKVFFVFAALAALSASAV <del>G</del> LTD <del>S</del> QKAEAKQRAK <del>A</del> CVK <del>Q</del> EG-----	40
Dmel0bp56f	1	-----MKVFLLFIFISAIWLQAF <del>C</del> MKSSEKIK <del>A</del> CLKRQLG-----	34
Dmel0bp56g	1	-----MRATFALTLGLCLSGIL <del>A</del> QANIDSSVSKELVTD <del>C</del> LKENG-----	39
Dmel0bp56h	1	-----MKFTLFCIALAFLSMG <del>C</del> CNPDFRQIMQ <del>C</del> CMETNQ-----	34
Dmel0bp56i	1	-----MHFFTCCALLLVVTLPTCF <del>V</del> QA <del>G</del> PIK <del>D</del> Q <del>C</del> MAAAG-----	34
Dmel0bp57a	1	-----MFNTRLAIFLLLVIVSLSQA <del>K</del> ESQPFDFEGTYDDFID <del>C</del> LRINN-----	43
Dmel0bp57b	1	-----MFIYRLVFIAPLILLFLSLAK <del>T</del> ARHPFDIFHWNWQDFQ <del>E</del> CLQVNN-----	43
Dmel0bp57c	1	-----MLKLWLICILTVSVVSI <del>C</del> LSLLEETNYVSD <del>C</del> LASNN-----	36
Dmel0bp57d	1	-----MPEKMSRLVPHLACIIFILEIQ <del>F</del> RIADSN <del>D</del> CPHNQ <del>G</del> -----	37
Dmel0bp57e	1	-----MLDQLTLCLLNLFLCANV <del>I</del> ANTSVFNP <del>C</del> VSQNE-----	32
Dmel0bp58b	1	-----MLRIGFVICVIISLRL <del>I</del> NGLVAVRVHCHRMERIHEENIHH <del>C</del> CKHQDG-----	45
Dmel0bp58c	1	-----MKCTILLSFFSLI <del>F</del> FAGGIKIDCENTEAINEDHIHY <del>C</del> CKHPDG-----	42
Dmel0bp58d	1	-----MVNIVCYWTFLLILVAVSKAQ <del>D</del> NEETTAVAISSGDLTEDKC-----NTS <del>R</del> AG <del>C</del> SELYIG-----	53
Dmel0bp59a	1	-----MKQLIFLLICLSCGTCSIYALKCRS <del>Q</del> EGLSEAE <del>L</del> KRTVRN <del>C</del> MHRQDEDED <del>R</del> GRGGQGRQ-----	59
Dmel0bp69a	1	-----MVARHFSFFLALLILYDLIPSNQ <del>V</del> EINPTIIKQVRKLRMR <del>C</del> LNQ <del>T</del> G-----	46
Dmel0bp76a	1	-----MKHWKRRSSAVFAIVLQVLVLLLPDPAV <del>A</del> MTMEQFLTSLDMIRSG <del>C</del> APKFK-----	50
Dmel0bp83a	1	-----MALNGFGRRVSASVLLIALSL <del>L</del> SGALILPPAAA <del>Q</del> RDEN <del>V</del> YPPGILKMAKPFHDA <del>C</del> VEK <del>T</del> G-----	59
Dmel0bp83b	1	-----MVKYPLILLIGCAA <del>A</del> QEP <del>R</del> RDGE <del>V</del> PPPAIKLKGKHFHDI <del>C</del> APK <del>T</del> G-----	45
Dmel0bp83cd	1	-----MQMKSGILIALCLCLSL <del>N</del> EG <del>L</del> ALLEHEGETINRC <del>I</del> QNYGG-----	39
Dmel0bp83ef	1	-----MSSPRAVLVSLFLICS <del>Q</del> ALADLSGDAQ <del>T</del> LEK <del>C</del> LRQLS-----	36
Dmel0bp83g	1	-----MQSQSLLLIVAAVATFLVAQ <del>T</del> TAKFLKDHADA <del>E</del> KAFEE <del>C</del> REDYY-----	44
Dmel0bp84a	1	-----MYSALVRACAVIAFLILSPNCARALQ <del>D</del> HAKDNGDIFIIN <del>Y</del> SDFGDVDDIST <del>T</del> SAPREADYVDFD-----	66
Dmel0bp85a	1	-----MSPGSVVFSM <del>F</del> LTRPSLDKGN <del>S</del> E <del>C</del> RKSLN-----	28
Dmel0bp8a	1	-----MMRRSQIGLLSR <del>L</del> LLLLLVVELTPPAI <del>F</del> VPMRSPQSLALLRARD <del>Q</del> C <del>G</del> RELT-----	51
Dmel0bp93a	1	-----MKT <del>S</del> NKIVFLLQLNIWQLSS <del>C</del> CDVQKND--KAIN <del>S</del> CRKSL <del>L</del> GN-----	41
Dmel0bp99a	1	-----MKVFVAICVLIG <del>L</del> ASADYVVKNRHDM <del>L</del> AYRDE <del>C</del> VKELA-----	37
Dmel0bp99b	1	-----MKVLIVLLGLAFVLA <del>D</del> HHHHHH <del>D</del> YVVKTHEDLTNYRT <del>Q</del> C <del>V</del> EKVH-----	44
Dmel0bp99c	1	-----MLKYLIVALALCAV <del>A</del> HADDWTPKTGEEIRKIRVD <del>C</del> LKENP-----	39
Dmel0bp99d	1	-----MNHLRLEIICWSCLLIAMAVSTEA <del>A</del> SVWKLP <del>T</del> AQM <del>V</del> YEDLEK <del>C</del> Q <del>R</del> E-----	45

Dmel0bp18a	34	-----L TSAQVQAVAPSTP-----	-----VADVPVAVKCYSRCLIQDYFG----	DDGKIDLQKVGK	81
Dmel0bp19a	59	-----VSVEVADNIRNGD-----	-----IPNSKDTNCOYINCILEMMQA+--	IK-KGKFQLESTLK	105
Dmel0bp19b	59	-----SRFNIVEMVLNK-----	-----EDAKHETKCFRHCMLSEQFEL--	MPEDQLQYNEKTVD	106
Dmel0bp19c	61	-----VTAARMECIQKLQLPRDQRPLGKVTN--	-----PSEKEKCLVCEVLKIKIKI+--	MDADNKLNVGQVEK	119
Dmel0bp19d	46	-----ATDEEDVEQLMSHD-----	-----LPERHEAKCLRACVMKKLQI+--	MDESGKLNKEHAIE	93
Dmel0bp22a	35	-----VHRKKALDLLMSYRLK-----	-----KKTHNVMCFINCIFERTNI--	LQK-----	72
Dmel0bp28a	43	-----ATDADLQEMVKKQ-----	-----PASTYAGKCLRACVMKNIGI--	LDANGKLDTEAGHE	90
Dmel0bp44a	41	-----VTEALIAKYKTFDY-----	-----PDDDI TRNYIQCIFVKFDL--	FDEAKGFKVENLVA	88
Dmel0bp46a	47	-----ESPQFSDCQMEWHEKIPYETD-----	-----EEEQTYMFC TAECSFNSTNF--	LGR-DRRSLNLNEV	101
Dmel0bp47a	53	-----ISLRELNLQREDFSS-----	-----DPSESVQCFTHCLYEQMGL--	MHD-GVFVERDLFG	100
Dmel0bp47b	47	-----QVAEQCAQRILGTANGQKAG-----	-----GPPSLDTAA CLAE CILTSSKY--	IDEPQKLNLANIRS	102
Dmel0bp49a	44	-----VTAELKQKCIKFDMTPPPPDGEASGSFESKRRHHHPHPPP	-----CFFS C I FNETGI--	YQN-RKLDEAKLNA	110
Dmel0bp50a	44	-----WGVFNRECHK-----	-----SAIQASCRLDCDFNASSV--	LQG-NRLIQAKVRP	85
Dmel0bp50b	50	-----FPFVGSNCT-----	-----PFWDDYGP CRYECLYRHWDL--	LDQ-DNKIKKPELY	92
Dmel0bp50c	44	-----FDQFKSQCGKYMP-----	-----VGAPRISP CLYE C I FNKTNT--	VVD-GAIHPDNARL	90
Dmel0bp50d	41	-----FSSFNSKCSQYL-----	-----VNGVHISP C S F E C I FRAANA--	LNG-THLVMENIEK	86
Dmel0bp50e	45	-----MGDVPQKCHKYVSG-----	-----LKSANSKYPSYAHLCYPCDIYRETGA--	MVN-GKIKVNRVKQ	98
Dmel0bp51a	33	-----ITPDYFENFPHSS-----	-----RVKCFYHCQMEKLEI--	IANGVVTPFDLKV L	75
Dmel0bp56a	44	-----L T E E E K A K V N A K D F N-----	-----NPTENIKCFANCFFEKVG T--	LKD-GELQESVVLE	91
Dmel0bp56b	42	-----IAASDANLLTTDKEV-----	-----ANPSESVKCYHSCVYKKLGL--	LGDDGKPNTPDKIVK	91
Dmel0bp56c	68	-----QLKLFHMSLMNSDYNNDNDIA-----	-----PTPVQSIGDC F V S C L Y E T L D L D R Y N V L L E E A F K N Q V Q	126	
Dmel0bp56d	40	-----ITKDQAIALRNGNFD-----	-----DSDPKVKCFANCFLEKIGF--	LIN-GEVQPDVVLA	87
Dmel0bp56e	41	-----ITKEQAIALRSGN-----	-----FADSDPKVKCFANCFLEQTGL--	VAN-GQIKPDVVLA	88
Dmel0bp56f	35	-----YTITENTKFDAKE-----	-----DSLQSKCFYHCLLEVKGV--	IANDAISSSQPRKV	80
Dmel0bp56g	40	-----VTPQDLADLQSGKVK-----	-----AEDAKDNVCCSSQCILVKS GF--	MDSTGKLLTDKIKS	90
Dmel0bp56h	35	-----VTEADLKEFMASGMQ-----	-----SSAKENLKC Y T K C L M E K Q G H--	LTN-GQFNQAAML D	83
Dmel0bp56i	35	-----ITAQDVANRHETD-----	-----DPGHSVKCFRCCFLENIGI--	IADNQIIPGAFDRV	81
Dmel0bp57a	44	-----ITIEEYEFDDTDNLNDNL-----	-----KENVELKHKCNIKCQLEREPTKWL NAR GEVDL K S M K A	100	
Dmel0bp57b	44	-----ITIGEYEKYARHETLDYLL-----	-----NEKVDLRYKCNIKCQLERDSTKWL N A Q G R M D L D L M N T	100	
Dmel0bp57c	37	-----ISQAEFQELIDRNSSEEDD-----	-----LENTDRRYKCFIHCLAEKGNL--	LDTNGYLDVDKIDQ	91
Dmel0bp57d	38	-----IDEDIAESILGDWPAN-VD-----	-----LTSVKRSHKCYVTCILQYYNI--	VTASGEIFLDKYYD	91
Dmel0bp57e	33	-----LSEYEAHQVMENWPVP-----	-----PIDRAYKCF L T C V L L D L D L G L--	IDERGNVQIDKYMK	82
Dmel0bp58b	46	-----HDDVTESCAKQTNFRLPSPNEE----	-----AIVDVTVDQAMVGT C W A K C V P D H Y N L--	MEN-NTLDMDKVRS	107
Dmel0bp58c	43	-----HNDLIEGCARETNFTLPNQNEE----	-----ALVDITADRAIRGTCFGKCVF SKLNL--	MKD-NNLMDDAVRS	104
Dmel0bp58d	54	-----EEDDLVKCFVIHSPKLPVDGDAD-----	-----IGKTLRFLSC F V E C L Y K Q K K Y--	IGKSDTINMKMVKL	112
Dmel0bp59a	60	GNGYEYGYGMDHDQEEQDRNPGNRGGYGNRRQRGLRQSDGR--	-----NHTSNDGGQCV AQ C F F E E M N M+--	VDNGMPDRRKVS Y	135
Dmel0bp69a	47	-----ASVQVIDKSVKNR-----	-----ILPTDPEIKCFLYCMFDMFGL+--	IDSQNMHLEALLE	95
Dmel0bp76a	51	-----LKTEDLDRLRVGD FN-----	-----FPPSQDLMCYTKCVSLMAGT--	VNKKGEFNAPKALA	100
Dmel0bp83a	60	-----VTEFAAIKEFS DGE-----	-----IHEDEKLCYMNCF FHEIEV--	VDDNGDVHLEK LFA	107
Dmel0bp83b	46	-----VTDEFAIKEFS D G Q-----	-----IHEDEALKCYMNLCFHEFEV--	VDDNGDVHMEKVLN	93
Dmel0bp83cd	40	-----LTAENAERLERFKEWS-----	-----DSYEEIPCFTRCYLSEMF D--	FYNNTLGFNKGIVG	90
Dmel0bp83ef	37	-----SPESIAGDLRKLERY S-----	-----SWTREEVPCLMRCLAREKGFWDVEENKWR LKQLTED	89	
Dmel0bp83g	45	-----VPDDIYEKYLNYEF-----	-----PAHRRTSCFVKCFLEKLEL--	FSEKKGFDERAMIA	92
Dmel0bp84a	67	EVNRNCNASFITSMFNVLQFNNTGDL PDDKD-----	-----KVTSMCFYHCFFEKSGL--	MTDYKLN TDLVRK	127
Dmel0bp85a	29	-----LPAHRKFNF A E L Y-----	-----TINMCI E E C N F I G C G Y I E I D P P F R L D L A N I R T	74	
Dmel0bp8a	52	-----AAQRLQLDRMQFED-----	-----AAHVRHYLHC F W S R L Q L--	WLDETFGQAQRIVQ	97
Dmel0bp93a	42	-----NSTNSNGEVRNLKS-----	-----DKVALHAC I A E C S F R T N G F--	LLSNGTVNTQALQK	89
Dmel0bp99a	38	-----VPVDLVEKYQKWEY-----	-----PNDAKTQCYIKCVFTK W G L--	FDVQSGFNVENIHQ	85
Dmel0bp99b	45	-----ASEELVEKYKKWQY-----	-----PDDAVTHCYLEC I F Q K F G F--	YDTEHGFDVHKIHI	92
Dmel0bp99c	40	-----LSNDQISQLKNLIFP-----	-----NEPDVRQYLTC S A I K L G I--	FCDQQGYHADRLAK	87
Dmel0bp99d	46	-----SQEEDAATLRCLVKKLGL-----	-----	WTDESGYNARRIAK	78

Dmel0bp18a 82 RGS-----QEDHVILSQCKQQFDGVT-----NLDTCDY-PYLILQCYFKGKQSGTIAS- 127  
 Dmel0bp19a 106 QMD-----IMLPDSYKDEYRKGINLCKDSTVGLK-----NAPNCDP-AHALLSCLKNNIK----- 153  
 Dmel0bp19b 107 MIN-----MMFPDREDDGRRIVKTCNEELKAE-----QDKCEA-AHGIAMCMLREMRSSGFKIP 159  
 Dmel0bp19c 120 LTSLVT---QDNKMAIAVSSSMAQACSRGISS-----KNPCEV-AHLFNQCISRQLERNNVKLV 174  
 Dmel0bp19d 94 LVKVM---SKHDAEKEDAPAEVVAKCEAIETP-----EDHCEA-AFAYEECIYEQMKEHGLELE 148  
 Dmel0bp22a 73 -----VKEKVVKENHNCDSIKD-----ADKCAE-SFQKFCQLVKIEMKRDASAAT 116  
 Dmel0bp28a 91 KAKQY---TGNDPAKLIKIALEIGDTCAAITVP-----DDHCEA-AEAYGTCFRGEAKKHGILL-- 142  
 Dmel0bp44a 89 QLQQ-----GKEDKAALKADIEKCADKNEQ-----KSPANEW-AFRGFKCFLGKNLPLVQAAV 140  
 Dmel0bp46a 102 KEHLESDLVN--DADIKLLYDYTVKCDKHALSLMPHKGVKQ----LSKRLSRLGCHPYPLGLVLECVANEMILH-CPTK 172  
 Dmel0bp47a 101 LLS-----DVSNTDYWPERQCHAIRG-----NNKCEA-AYRIHQCCQQQLKQQQNL 147  
 Dmel0bp47b 103 DLSAK---FSNDTLYVETMTMAFSKCEPQSQRRLAMIMQQQQVQQQKTQQQQPRCPSPFSAIVLGCITYMEYFKN-CPDH 177  
 Dmel0bp49a 111 YLQEVF---EDSSDLQTATQAFCTCATKVADFEANLPPRP----APSPPPGPFMCPHDAGHLMGCVFRNMKN-CPDS 181  
 Dmel0bp50a 86 MLERAF---SNEP-TIDAYESNFAKCESTVVRSKYQELSPLS-----RQSDACDRHALFYSLCAYARLIFT-CPDK 150  
 Dmel0bp50b 93 LMITSLYSPLNGYDKYGAFAKAHETCEALGSRHADFLLLYSNV-ADKMGMASTCLPYAMLHAQCTMVYLTAN-CPRE 170  
 Dmel0bp50c 91 MLEKLF---GNQDFEEAYFNGLMGCSDSVQEMISNRRSRP-----QRKTEQCSFSLFYGICAQRYVFNH-CPSS 156  
 Dmel0bp50d 87 MMKTIL---GSDEFVHVYLDGFRSCGNQEKVLIKAMKRRR-----VPITGKCGSMAIMYGLCAHRYVYRN-CPES 152  
 Dmel0bp50e 99 YLEEHV---HRRDQEIIVSHIVQSFESCLSNVKGHMKSLNIES-----YKVLPHGCSFAGIYSCVNAETFLN-CPQQ 167  
 Dmel0bp51a 76 NIS-----PESYDKYGVKVKPCCLKLSHR-----DKCEA-GYLVFQCLKREFNL----- 116  
 Dmel0bp56a 92 KLG-----ALIGEKTKAALEKCRITIKG-----ENKCDT-ASKLYDCFESFKPAPEAKA- 138  
 Dmel0bp56b 92 LAQIR---FSSLPVDKLSLLTSCGTTKS-----AATCDF-VYNYEKCQVVKGISA----- 136  
 Dmel0bp56c 127 TI-----IQHEKAEIKECSDLQG-----KTRCEA-AYKHLHCYNHLKLEAEQRI 170  
 Dmel0bp56d 88 KLG-----PLAGEDAVKAVQAKCDATKG-----ADKCDT-AYQLFECYYKNRAHI----- 130  
 Dmel0bp56e 89 KLG-----PIAGEANVKEVQAKCDSTKG-----ADKCDT-SYLLYKCYENHAQF----- 131  
 Dmel0bp56f 81 LEKK-----YGITDTDELEKAEKCHSIKAS-----GKCEA-GYEILKCYQSITKH----- 124  
 Dmel0bp56g 91 YYAN-----SNFKDVIEKDLDRCSAVKG-----ANACDT-AFKILSCFQAAAN----- 130  
 Dmel0bp56h 84 TLKN---VPQIKDKMDEISSGVNACKDIKG-----TNDCDT-AFKVTMLKHEKHAIPGHH-- 133  
 Dmel0bp56i 82 LGH-----IVTAEAVERMEATCNMIKSETS-----HDESEF-AWQISECYEGVRLSDVKKGQ 133  
 Dmel0bp57a 101 TS-----ETAVSISKCEMKAP-----QETCAY-VYKLVICAFKSGHSHVIKFD 142  
 Dmel0bp57b 101 T-----DKASKSITKCEMKAP-----EELCAY-SFRLVMCAFKAGHPVIDSE- 140  
 Dmel0bp57c 92 IEP-----VSDELREILYDCKKIYDE-----EEDHCEY-AFKMVTCLTESFEQSDDEVTE 139  
 Dmel0bp57d 92 TGV-----IDELAVAPKINRCRYEFR--M-----ETDYCSR-IFAIFNCLRQEILTKS--- 135  
 Dmel0bp57e 83 SGV-----VDWQVVAIELVTCRIEFS-----ERDLCEL-SYGIFNCFKDVKLAAEKYVS 131  
 Dmel0bp58b 108 YYKRYH---QTDPEYATEMLNAYEKCHTQSEEAATEKFLSLP---IVRAFSTAKCKPTSSIIIMSCVIYNFFHN-CPAS 178  
 Dmel0bp58c 105 LFTERF---PDDPEYAKEMINAFDHCHGKSEENTSMFLSKP---LFKQMSKQCFDPKSSVVLACVIRQFFHN-CPAD 174  
 Dmel0bp58d 113 DAEKTF---VDRPKEKDYHIAMFEFCRKDAVGYNLLKASPG---AKVLLKGCARPYLLMVFMCISDYHQHECPYF 183  
 Dmel0bp59a 136 LLTKD---LRDRELNRNFFTDTVQCCFRYLESNGRG-----RHHKCSA-ARELVKCMSEYAKAQCEDWE 194  
 Dmel0bp69a 96 VLP-----EEIHKTINGLVSSCGTQKCG-----KDGCDT-AYETVKCYIAVNGKFIWEEI 143  
 Dmel0bp76a 101 QLP-----HLVPPMEMEMSRKSVEACRDTFKQ-----FKESCEA-VYQTAKCFSE-NADGQFMWP 152  
 Dmel0bp83a 108 TVP-----LSMRDKLMEMSKGCVHPEG-----DTLCHK-AWWFHQCKWKADPKHYFLP- 153  
 Dmel0bp83b 94 AIPG-----EKLRNIMMEASKGCIHPEG-----DTLCHK-AWWFHQCKWKADPVHYFLV- 140  
 Dmel0bp83cd 91 VFGR-----PVYEAARKKLELPFES-----GESSCKH-AYEGFHCITNEMESHPTVID 137  
 Dmel0bp83ef 90 LGAD-----VYNYCRFELRRM-----GSDGCSF-AYRGLRCLKQAEMHAGTSL 132  
 Dmel0bp83g 93 QFTSK-----SSKDLSTVQHGLEKCIDHNEA-----ESDVCTW-ANRVFSCWLPINRHVVRKVF 145  
 Dmel0bp84a 128 YVWP-----ATGDSVEACEAEGKCD-----ETNACMR-GYAIVKCVFTRALTDARNKP 173  
 Dmel0bp85a 75 NLQTIA---PQPQNESIPFLVDAYRKCCELFRSSHGRRFTLHLP----DIEFIEEPCNPFALQITICVRIHAMQK-CPSE 145  
 Dmel0bp8a 98 SFGGE-----RRLNVEQALPAINGCNAKTSRSGS-----AQTVDW-CFRAFVCVLATPVGEWYKRH 154  
 Dmel0bp93a 90 SYQRY---KNDPNMSQLMLKSLNSCTDYARKRVQEFQWMP-----KKGDCDFYPATLLACVMEKVYIN-CPTS 154  
 Dmel0bp99a 86 QLVGN-----HADHNEAFHASLAAACVDKNEQ-----GSNACEW-AYRGATCLLKENLAIQKSL 138  
 Dmel0bp99b 93 QLAG---PGVEVHESDEVHQIAHCAETHSK-----EGDSCSK-AYHAGCMFMNSNLQLVQHSV 147  
 Dmel0bp99c 88 QFKMD-----LSEEEALQIAQSCVDDNAQ-----KNPTDVAFRGHQCMMAKIGDKVRAF 138  
 Dmel0bp99d 79 IFAG-----HNQMEELMLVVEHCNRMREQD-----TSHLDDWAFLAYRCATSQGFHWKDF 129

Dmel0bp18a	128	-----	127
Dmel0bp19a	154	-VFVFP-----	158
Dmel0bp19b	160	EIKE-----	162
Dmel0bp19c	175	W-----	174
Dmel0bp19d	149	EH-----	149
Dmel0bp22a	117	RHVPQTMPKL-----	125
Dmel0bp28a	143	-----	142
Dmel0bp44a	141	QKN-----	142
Dmel0bp46a	173	RFR-----QTAQCEETRNLKQCMQYLKYKS-----	197
Dmel0bp47a	148	TKEVEVTTTPAGSDETKP-----	164
Dmel0bp47b	178	RWT-----PNAQCTLAKAYVTQCGLGA-----	198
Dmel0bp49a	182	IRN-----DSQQCTDMKEFFTKCKPPRGPPSAEDM-----	211
Dmel0bp50a	151	MWQR-----NNRMCQEAKAYAKKCPWPALKMFMRNT-----	180
Dmel0bp50b	171	NWI-----DDPKCNSLQKLLSSCTKKLDEKTNALKGKDEELTDNGCGHIDSEGSNLLMACFLTLMIAKFISDH-----	237
Dmel0bp50c	157	SWS-----GTESCEMARLQNMNCSKPSRGSSHRL-----	184
Dmel0bp50d	153	VWS-----KSATCNEAREYSIRCDDM-----	172
Dmel0bp50e	168	MWK-----NEKPCNLAKQFAEQCNPLPHVPLPSS-----	195
Dmel0bp51a	117	-----	116
Dmel0bp56a	139	-----	138
Dmel0bp56b	137	-----	136
Dmel0bp56c	171	REILERTEAENEGFGPEGSDFIDGIQHSGEAMTTAKSE-----	207
Dmel0bp56d	131	-----	130
Dmel0bp56e	132	-----	131
Dmel0bp56f	125	-----	124
Dmel0bp56g	131	-----	130
Dmel0bp56h	134	-----	133
Dmel0bp56i	134	RTRNHRG-----	139
Dmel0bp57a	143	YEQIQEETAGLIAEQQADLFDYDTIDL-----	168
Dmel0bp57b	141	-----	140
Dmel0bp57c	140	AGKNTNKLNE-----	148
Dmel0bp57d	136	-----	135
Dmel0bp57e	132	ISNAK-----	135
Dmel0bp58b	179	RWS-----NTTECVETLAFARKCKDVLTTM-----	202
Dmel0bp58c	175	RWS-----KTKECEDTLAFSKKQDSLATL-----	198
Dmel0bp58d	184	RWEGTAKAGTKDMCENAKA--ECYQIDGITLPTKSPA-----	217
Dmel0bp59a	195	EHGNMLFN-----	201
Dmel0bp69a	144	IVLLG-----	147
Dmel0bp76a	153	-----	152
Dmel0bp83a	154	-----	153
Dmel0bp83b	141	-----	140
Dmel0bp83cd	138	NMPNISPSAKDAMKDCLQDVHQDEWKSFDAYYPVNEPIPCFTRCFVDKHLHIFEKTRLWKLEAMKQNLGIPAK---G	213
Dmel0bp83ef	133	TLL-----QCSRQLNATNVELLQYSKLSK-EPICPLFQCFADAMGFYDPDGNWRLNWKQAFGPSGNEDQSSG	200
Dmel0bp83g	146	A-----	145
Dmel0bp84a	174	TV-----	174
Dmel0bp85a	146	FYVD-----SDECLLAREYFTQCVDIETNLA-----	171
Dmel0bp8a	155	MSDVIINGNA-----	162
Dmel0bp93a	155	KWKN-----TSDCTAMWKYLVACDDVASNKKK-----	180
Dmel0bp99a	139	APKA-----	141
Dmel0bp99b	148	KV-----	148
Dmel0bp99c	139	VKAKAEEAKKAA-----	150
Dmel0bp99d	130	MSQKEVER-----	136

Dmel0bp18a	128	-----	128
Dmel0bp19a	159	-----	159
Dmel0bp19b	163	-----	163
Dmel0bp19c	175	-----	175
Dmel0bp19d	150	-----	150
Dmel0bp22a	126	-----	126
Dmel0bp28a	143	-----	143
Dmel0bp44a	143	-----	143
Dmel0bp46a	198	-----	198
Dmel0bp47a	165	-----	165
Dmel0bp47b	199	-----	199
Dmel0bp49a	212	-----	212
Dmel0bp50a	181	-----	181
Dmel0bp50b	238	-----	238
Dmel0bp50c	185	-----	185
Dmel0bp50d	173	-----	173
Dmel0bp50e	196	-----	196
Dmel0bp51a	117	-----	117
Dmel0bp56a	139	-----	139
Dmel0bp56b	137	-----	137
Dmel0bp56c	208	-----	208
Dmel0bp56d	131	-----	131
Dmel0bp56e	132	-----	132
Dmel0bp56f	125	-----	125
Dmel0bp56g	131	-----	131
Dmel0bp56h	134	-----	134
Dmel0bp56i	140	-----	140
Dmel0bp57a	169	-----	169
Dmel0bp57b	141	-----	141
Dmel0bp57c	149	-----	149
Dmel0bp57d	136	-----	136
Dmel0bp57e	136	-----	136
Dmel0bp58b	203	-----	203
Dmel0bp58c	199	-----	199
Dmel0bp58d	218	-----	218
Dmel0bp59a	202	-----	202
Dmel0bp69a	148	-----	148
Dmel0bp76a	153	-----	153
Dmel0bp83a	154	-----	154
Dmel0bp83b	141	-----	141
Dmel0bp83cd	214	ARIRTCHRRGRD-----RCATYKQFTCYAMAV-----	242
Dmel0bp83ef	201	ADYSGCRLSGTQREVALSKCSWMYHEYKCWERVNGNKLVEDNEEQ	245
Dmel0bp83g	146	-----	146
Dmel0bp84a	175	-----	175
Dmel0bp85a	172	-----	172
Dmel0bp8a	163	-----	163
Dmel0bp93a	181	-----	181
Dmel0bp99a	142	-----	142
Dmel0bp99b	149	-----	149
Dmel0bp99c	151	-----	151
Dmel0bp99d	137	-----	137