

FIGURE 1

D_P19321	--MTWPKDFNYSDFVNDNDIYLRLIPQNKLIITTPVKAFMITQNIWVIPERFSSD--TNPS	57
DC_AB745660	--MTWPKDFNYSDFVNDNDIYLRLIPQNKLIITTPVKAFMITQNIWVIPERFSSD--TNPS	57
C1_P18640	--MPITINNPNYSDFVNDNKNILYLDTHINTLANEPEKAFRIITGNIWVIPDRFSRN--SNPN	57
CD_AB200360	--MPITINNPNYSDFVNDNKNILYLDTHINTLANEPEKAFRIITGNIWVIPDRFSRD--SNPN	57
G_Q60393	--MPVNIKXFNNDPINNDDIIMMEPFNDPGPGTYKAFRIIDRIWVIPERFTYG--FQPD	57
B4_EF051570	--MPVTINNPNYNDPIDNNDIIMMEPPFARGTGRYYKAFKITDRIWVIPERYTFG--YKPE	57
B8_JQ964806	--MPVTINNPNYNDPIDNNDIIMMEPPFARGTGRYYKAFKITDRIWVIPERYTFG--YKPE	57
B7_JQ354985	--MPVTINNPNYNDPIDNNDIIMMEPPFARGTGRYYKAFKITDRIWVIPERYTFG--YKPE	57
B6_AB302852	--MPVTINNPNYNDPIDNNDIIMMEPPFARGTGRYYKAFKITDRIWVIPERYTFG--YKPE	57
B2_AB084152	--MPVTINNPNYNDPIDNNDIIMMEPPFARGTGRYYKAFKITDRIWVIPERYTFG--YKPE	57
B3_EF028400	--MPVTINNPNYNDPIDNNDIIMMEPPFARGTGRYYKAFKITDRIWVIPERYTFG--YKPE	57
B1_B1INP5	--MPVTINNPNYNDPIDNNDIIMMEPPFARGTGRYYKAFKITDRIWVIPERYTFG--YKPE	57
B5_EF033130	--MPVTINNPNYNDPIDNNDIIMMEPPFARGMGRYYKAFKITDRIWVIPERYTFG--YKPE	57
A4_JQ341307	--MPLVNQQINYYDPVNGVDIAYIKIPNAGK--MQPVKAFKIHKNVWVIPERDIFTNPEEV	57
A7_JQ954969	--MPFVNKQFNYYKDPVNGVDIAYIKIPNAGQ--MQPVKAFKIHKNKIWVIPERDIFTNPEEG	57
A6_FJ981696	--MPFVNKQFNYYKDPVNGVDIAYIKIPNAGQ--MQPVKAFKIHKNKIWVIPERDIFTNPEEG	57
A1_A5HZZ9	--MPFVNKQFNYYKDPVNGVDIAYIKIPNAGQ--MQPVKAFKIHKNKIWVIPERDIFTNPEEG	57
A5_EU679004	--MLFVNKQFNYYKDPVNGVDIAYIKIPNAGQ--MQPVKAFKIHKNKIWVIPERDIFTNPEEG	57
A3_DQ185900	--MPFVNKQFNYYKDPVNGVDIAYIKIPNAGQ--MQPVKAFKIHKNKIWVIPERDIFTNPEEG	57
A2_X73423	--MPFVNKQFNYYKDPVNGVDIAYIKIPNAGQ--MQPVKAFKIHKNKIWVIPERDIFTNPEEG	57
A8_KM233166	--MPFVNKQFNYYKDPVNGVDIAYIKIPNAGQ--MQPVKAFKIHKNKIWVIPERDIFTNPEEG	57
H_KGO15617	--MPVINSFNYSDFVNDNDIYIRPPYETSTYFKAQIMDNVWVIPERYRLG--IDPS	57
E9_JX424534	--MPKINSFNYSDFVNDNDIYIKPG---GCQQFYKSFNIMKNKIWVIPERNVIG--TIPQ	53
E12_KM370319	MLYMPKINSFNYSDFVNDNDIYIKPG---GCQQFYKSFNIMKNKIWVIPERNVIG--TIPQ	56
E11_KF861875	--MPKINSFNYSDFVNDNDIYIKPG---GCQQFYKSFNIMKNKIWVIPERNVIG--TIPQ	53
E10_KF861917	--MPKINSFNYSDFVNDNDIYIKPG---GCQQFYKSFNIMKNKIWVIPERNVIG--TIPQ	53
E7_JN695729	--MPKINSFNYSDFVNDNDIYIKPG---GCQQFYKSFNIMKNKIWVIPERNVIG--TIPQ	53
E8_JN695730	--MPKINSFNYSDFVNDNDIYIKPG---GCQQFYKSFNIMKNKIWVIPERNVIG--TIPQ	53
E5_AB037711	--MPKINSFNYSDFVNDNDIYIKPG---GCQQFYKSFNIMKNKIWVIPERNVIG--TIPQ	53
E6_AM695759	--MPTINSFNYSDFVNDNDIYIKPG---GCQQFYKSFNIMKNKIWVIPERNVIG--TIPQ	53
E4_AB088207	--MPTINSFNYSDFVNDNDIYIKPG---GCQQFYKSFNIMKNKIWVIPERNVIG--TIPQ	53
E3_EF028403	--MPKINSFNYSDFVNDNDIYIKPG---GCQQFYKSFNIMKNKIWVIPERNVIG--TIPQ	53
E1_Q00496	--MPKINSFNYSDFVNDNDIYIKPG---GCQQFYKSFNIMKNKIWVIPERNVIG--TIPQ	53
E2_EF028404	--MPKINSFNYSDFVNDNDIYIKPG---GCQQFYKSFNIMKNKIWVIPERNVIG--TIPQ	53
F7_GU213233	--MPVNNFNYSDFVNDNDIYLYMKNPYEDSNKYKAFKIMDNVWVIPERNVIG--KKPS	57
F5_GU213211	--MPVEINSFNYSDFVNDNDIYIRPPYERSNTYFKAFINMENWVIPERYRLG--IEAS	57
F1_Q57236	--MPVINSFNYSDFVNDNDIYLYMQIPYEEKSKYYKAFKIMRNWVIPERNVIG--TDPS	57
F4_GU213214	--MPVINSFNYSDFVNDNDIYLYMQIPYEEKSKYYKAFKIMRNWVIPERNVIG--TDPS	57
F2_GU213209	--MPVINSFNYSDFVNDNDIYLYMQIPYEEKSRKYYKAFKIMPNWVIPERDITIG--TKPD	57
F3_GU213227	--MPVINSFNYSDFVNDNDIYLYMQIPYEEKSRKYYKAFKIMPNWVIPERDITIG--TKPD	57
F6_M92906	--MPVAINSFNYSDFVNDNDIYLYMQIPYEEKSKYYKAFKIMRNWVIPERNVIG--TNPS	57
T_P04958	--MPITINNFRYSDFVNDNDIIMMEPPYCKGLDIYKAFKITDRIWVIPERYEFG--TKPE	57

D_P19321	LSKPPR-PT-SKYQSYDDPSYLSSTDEQKDTFLKGIKLFKRIINERDYGKLLINYLVVGS	115
DC_AB745660	LSKPPR-PT-SKYQSYDDPSYLSSTDEQKDTFLKGIKLFKRIINERDYGKLLINYLVVGS	115
C1_P18640	LNKPPR-VT-SPKSGYDDPNYLSSTDSKDTFLKEIKLFKRIINERDYGKLLINYLVVGS	115
CD_AB200360	LNKPPR-VT-SPKSGYDDPNYLSSTDSKDTFLKEIKLFKRIINERDYGKLLINYLVVGS	115
G_Q60393	QFNASTGVFSKDYVEYDPTYLKTAEDKDFLKTMTIKLFNRIKSKPLGEKLEMIINGIP	117
B4_EF051570	DFNKSSGIFNRDVCEYYDDPDLNTNDKKNIFLQTMIKLFNRIKSKPLGEKLEMIINGIP	117
B8_JQ964806	DFNKSSGIFNRDVCEYYDDPDLNTNDKKNIFLQTMIKLFNRIKSKPLGEKLEMIINGIP	117
B7_JQ354985	DFNKSSGIFNRDVCEYYDDPDLNTNDKKNIFLQTMIKLFNRIKSKPLGEKLEMIINGIP	117
B6_AB302852	DFNKSSGIFNRDVCEYYDDPDLNTNDKKNIFLQTMIKLFNRIKSKPLGEKLEMIINGIP	117
B2_AB084152	DFNKSSGIFNRDVCEYYDDPDLNTNDKKNIFLQTMIKLFNRIKSKPLGEKLEMIINGIP	117
B3_EF028400	DFNKSSGIFNRDVCEYYDDPDLNTNDKKNIFLQTMIKLFNRIKSKPLGEKLEMIINGIP	117
B1_B1INP5	DFNKSSGIFNRDVCEYYDDPDLNTNDKKNIFLQTMIKLFNRIKSKPLGEKLEMIINGIP	117
B5_EF033130	DFNKSSGIFNRDVCEYYDDPDLNTNDKKNIFLQTMIKLFNRIKSKPLGEKLEMIINGIP	117
A4_EU341307	DLNPPPEAK-QVPISYYDSAYLSTNEKDNLYKGVTKLFEIYSTDLGRMLLTSIVRGIP	116
A7_JQ954969	DLNPPPEAK-QVPISYYDSAYLSTNEKDNLYKGVTKLFEIYSTDLGRMLLTSIVRGIP	116
A6_FJ981696	DLNPPPEAK-QVPISYYDSAYLSTNEKDNLYKGVTKLFEIYSTDLGRMLLTSIVRGIP	116
A1_A5HZZ9	DLNPPPEAK-QVPISYYDSAYLSTNEKDNLYKGVTKLFEIYSTDLGRMLLTSIVRGIP	116
A5_EU679004	DLNPPPEAK-QVPISYYDSAYLSTNEKDNLYKGVTKLFEIYSTDLGRMLLTSIVRGIP	116
A3_DQ185900	DLNPPPEAK-QVPISYYDSAYLSTNEKDNLYKGVTKLFEIYSTDLGRMLLTSIVRGIP	116
A2_X73423	DLNPPPEAK-QVPISYYDSAYLSTNEKDNLYKGVTKLFEIYSTDLGRMLLTSIVRGIP	116
A8_KM233166	DLNPPPEAK-QVPISYYDSAYLSTNEKDNLYKGVTKLFEIYSTDLGRMLLTSIVRGIP	116
H_KG015617	LFNPPVSLK-AGSDGYDDPNYLSSTNEKKNYKLVQIMIKLFKRIINERDYGKLLINYLVVGS	116
E9_JX424534	NFLPPTSLK-NGDSSYYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	112
E12_KM370319	DFQPTSLK-NGDSSYYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	115
E11_KF861875	DFLPTSLK-NGDSSYYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	112
E10_KF861917	DFLPTSLK-NGDSSYYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	112
E7_JN695729	DFLPTSLK-NGDSSYYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	112
E8_JN695730	DFLPTSLK-NGDSSYYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	112
E5_AB037711	DFHPPTSLK-NGDSSYYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	112
E6_AM695759	DFHPPTSLK-NGDSSYYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	112
E4_AB088207	DFLPTSLK-NGDSSYYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	112
E3_EF028403	DFHPPTSLK-NGDSSYYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	112
E1_Q00496	DFHPPTSLK-NGDSSYYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	112
E2_EF028404	DFHPPTSLK-NGDSSYYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	112
F7_GU213233	DFYPPISLD-SGSSAYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	116
F5_GU213211	KFDPPDSLK-AGSDGYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	116
F1_Q57236	DFDPPASLE-NGSSAYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	116
F4_GU213214	DFDPPASLK-NGSSAYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	116
F2_GU213209	EFQVPPDSLK-NGSSAYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	116
F3_GU213227	DFQVPPDSLK-NGSSAYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	116
F6_M92906	DFDPPASLK-NGSSAYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	116
T_P04958	DFNPPSSLI-EGASEYYDDPNYLQNDQEKDRFLKIVTKVFNRIINERDYGKLLINYLVVGS	116

: ** :*: :* :* :*

D_P19321	FMGDSSTPEDTDFTRHTTNTIAVEKFENGSKVTNIIITPSVLIIFGPLPNILDYTASLTQ	175
DC_AB745660	FMGDSSTPEDTDFTRHTTNTIAVEKFENGSKVTNIIITPSVLIIFGPLPNILDYTASLTQ	175
C1_P18640	FPGNNNTIPINTFDFDVFNSVDVKTRQNNWVKTSINPSVIIITGPENIIDPETSTFKL	175
CD_AB200360	FPGNNNTIPINTFDFDVFNSVDVKTRQNNWVKTSINPSVIIITGPENIIDPETSTFKL	175
G_Q60393	YLGNASTPPDKFAANVANVSINKKIIQPGAEDQIKGLMTNLIIFGPGPVLSDNFTDSMIM	177
B4_EF051570	YLGDRRVPLEEFNTNIIASVTVNKLIISNPGEVEQKKGIFANLIIFGPGPVLNENETIDIGI	177
B8_JQ964806	YLGDRRVPLEEFNTNIIASVTVNKLIISNPGEVEQKKGIFANLIIFGPGPVLNENETIDIGI	177
B7_JQ354985	YLGDRRVPLEEFNTNIIASVTVNKLIISNPGEVEQKKGIFANLIIFGPGPVLNENETIDIGI	177
B6_AB302852	YLGDRRVPLEEFNTNIIASVTVNKLIISNPGEVEQKKGIFANLIIFGPGPVLNENETIDIGI	177
B2_AB084152	YLGDRRVPLEEFNTNIIASVTVNKLIISNPGEVEQKKGIFANLIIFGPGPVLNENETIDIGI	177
B3_EF028400	YLGDRRVPLEEFNTNIIASVTVNKLIISNPGEVEQKKGIFANLIIFGPGPVLNENETIDIGI	177
B1_B1INP5	YLGDRRVPLEEFNTNIIASVTVNKLIISNPGEVEQKKGIFANLIIFGPGPVLNENETIDIGI	177
B5_EF033130	YLGDRRVPLEEFNTNIIASVTVNKLIISNPGEVEQKKGIFANLIIFGPGPVLNENETIDIGI	177
A4_EU341307	FWGGKIDTE--LKVIDTNCINIIQLDD---SYRSEELNLIAGPSANIIESQCSSFR-	169
A7_JQ954969	FWGGSTIDTE--LKVIDTNCINVIQPDG---SYRSEELNLIAGPSADIINFECKSFG-	169
A6_FJ981696	FWGGSTIDTE--LKVIDTNCINVIQPDG---SYRSEELNLIAGPSADIINFECKSFG-	169
A1_A5HZZ9	FWGGSTIDTE--LKVIDTNCINVIQPDG---SYRSEELNLIAGPSADIINFECKSFG-	169
A5_EU679004	FWGGSTIDTE--LKVIDTNCINVIQPDG---SYRSEELNLIAGPSADIINFECKSFG-	169
A3_DQ185900	FWGGSTIDTE--LKVIDTNCINVIQPDG---SYRSEELNLIAGPSADIINFECKSFG-	169
A2_X73423	FWGGSTIDTE--LKVIDTNCINVIQPDG---SYRSEELNLIAGPSADIINFECKSFG-	169
A8_KM233166	FWGGSTIDTE--LKVIDTNCINVIQPDG---SYRSEELNLIAGPSADIINFECKSFG-	169
H_KG015617	YLGNSYTQEEQFTTNNRTVSFNVKLANG---NIVQOMANLIIWGPGDLTNNKTGGIY	172
E9_JX424534	YLGNDNTRDDFIIN-DGSAVPIQFSNG---SQSILLPTVIIMGAEPDLFETNSSNVS	167
E12_KM370319	YLGNDNTPDGDFIIN-DASAVPIQFSNG---SQSILLPNVIIMGAEPDLFETNSSNIS	170
E11_KF861875	YLGNDNTPNNQFHIG-DASAVEIKFSNG---SQSILLPTVIIMGAEPDLFETNSSNIS	167
E10_KF861917	YLGNDNTPNNQFHIG-DASAVEIKFSNG---SQSILLPTVIIMGAEPDLFETNSSNIS	167
E7_JN695729	YLGNDNTPDNQFHIG-DASAVEIKFSNG---NQSILLPNVIIMGAEPDLFETNSSNIS	167
E8_JN695730	YLGNDNTPDNQFHIG-DASAVEIKFSNG---NQSILLPNVIIMGAEPDLFETNSSNIS	167
E5_AB037711	YLGNDNTPDNQFHIG-DASAVEIKFSNG---SQDILLPNVIIMGAEPDLFETNSSNIS	167
E6_AM695759	YLGNDNTPDNQFHIG-DASAVEIKFSNG---SQDILLPNVIIMGAEPDLFETNSSNIS	167
E4_AB088207	YLGNDNTPDGDFTIN-DASAVPIQFSNG---SQSILLPNVIIMGAEPDLFETNSSNIS	167
E3_EF028403	YLGNDNTPDNQFHIG-DASAVEIKFSNG---SQHILLPNVIIMGAEPDLFETNSSNIS	167
E1_Q00496	YLGNDNTPDNQFHIG-DASAVEIKFSNG---SQDILLPNVIIMGAEPDLFETNSSNIS	167
E2_EF028404	YLGNDNTPDNQFHIG-DASAVEIKFSNG---IQDILLPNVIIMGAEPDLFETNSSNIS	167
F7_GU213233	YLGNDHTAVNEFCANNRSTVEIKESNG---TTDSMLLNLIILGPGPNILECSTFPVRI	172
F5_GU213211	YLGNSYTAEDQFTTNNRTISFNVRLANG---TIEQEMANLIIWGPGDLTNNRTGGTTY	172
F1_Q57236	YLGNEHTPINEFHPVTRTTSVNIIKSTN---VKSSIIINLIILGAGPDIFENSSYPVRK	172
F4_GU213214	YLGNDHTPINEFHPVTRTTSVNIIKSTN---VESSIIINLIILGAGPNIFENSSYPVRK	172
F2_GU213209	YLGDDDTLLINEFFPVNTTSVNIIKSTN---VESSIIISNLIILGAGPDIFKAYCTPLVR	172
F3_GU213227	YLGDDDTLLINEFFPVNTTSVNIIKSTN---VESSIIISNLIILGAGPDIFKAYCTPLVR	172
F6_M92906	YLGNDHTPIDEFSPVTRTTSVNIIKSTN---VESSMLLNLIILGAGPDIFESCCTPLVR	172
T_P04958	YLGNSYSLLDKFDNNSVSNFNLLEQDPSGATTKSAMLTNLIIFGPGPVLNKNVIRGIVL	176

; * . : : : *

D_P19321	----GQQSNPSFEGFGTLSILKVAPEFLLTFS	SDVTSNQSSAVLGKSI	FCMDPVIALMHEL	231
DC_AB745660	----GQQSNPSFEGFGTLSILKVAPEFLLTFS	SDVTSNQSSAVLGKSI	FCMDPVIALMHEL	231
C1_P18640	----TNNTFAAQEGFGALSIIISIPRFMLTYS	NATNDVGEGRFSKSE	FCMDPILILMHEL	231
CD_AB200360	----TNNTFAAQEGFGALSIIISIPRFMLTYS	NATNNVGEGRFSKSE	FCMDPILILMHEL	231
G_Q060393	----NGHSPISEGFARMIRFCPSCLNVFN	VQENKDTISFRRAY	FADPALITMHEL	232
B4_EF051570	----QNHFASREGFGGIMQMKFCPEYVS	VFNQENKGASIFNRRGY	FSDPALILMHEL	232
B8_JQ964806	----QNHFASREGFGGIMQMKFCPEYVS	VFNQENKGASIFNRRGY	FSDPALILMHEL	232
B7_JQ354985	----QNHFASREGFGGIMQMKFCPEYVS	VFNQENKGASIFNRRGY	FSDPALILMHEL	232
B6_AB302852	----QNHFASREGFGGIMQMKFCPEYVS	VFNQENKGASIFNRRGY	FSDPALILMHEL	232
B2_AB084152	----QNHFASREGFGGIMQMKFCPEYVS	VFNQENKGASIFNRRGY	FSDPALILMHEL	232
B3_EF028400	----QNHFASREGFGGIMQMKFCPEYVS	VFNQENKGASIFNRRGY	FSDPALILMHEL	232
B1_B1INP5	----QNHFASREGFGGIMQMKFCPEYVS	VFNQENKGASIFNRRGY	FSDPALILMHEL	232
B5_EF033130	----QNHFASREGFGGIMQMKFCPEYVS	VFNQENKGASIFNRRGY	FSDPALILMHEL	232
A4_EF3411307	----DDVLNLTRNGYGSTQYIRFSPDFT	VGFEESLEVDTNPLLGAGKFAQ	DPAVTLAHEL	225
A7_JQ954969	----HDVLNLTRNGYGSTQYIRFSPDFT	VGFEESLEVDTNPLLGAGKFAID	PAVTLAHEL	225
A6_FJ981696	----HEVLNLTRNGYGSTQYIRFSPDFT	VGFEESLEVDTNPLLGAGKFATD	PAVTLAHEL	225
A1_A5HZZ9	----HEVLNLTRNGYGSTQYIRFSPDFT	VGFEESLEVDTNPLLGAGKFATD	PAVTLAHEL	225
A5_EU679004	----HDVLNLTRNGYGSTQYIRFSPDFT	VGFEESLEVDTNPLLGAGKFATD	PAVTLAHEL	225
A3_DQ185900	----HDVLNLTRNGYGSTQYIRFSPDFT	VGFEESLEVDTNPLLGAGT	FATDPAVTLAHEL	225
A2_X73423	----HDVLNLTRNGYGSTQYIRFSPDFT	VGFEESLEVDTNPLLGAGKFATD	PAVTLAHEL	225
A8_KM233166	----HDVLNLTRNGYGSTQYIRFSPDFT	VGFEESLEVDTNPLLGAGKFATD	PAVTLAHEL	225
H_H_KGO15617	SPYQSMPEATPKYKDGFSIMTVEFSPEY	ATAFNDISIAS---H-SPSLFI	KDPALILMHEL	228
E9_JX424534	I----NNYSPSNHGFSGIAIVTFSPEYS	FRFNDN-----SMNEFIQD	PALTILHEL	214
E12_KM370319	I----NNYRPSNHGFSGIAIVTFSPEYS	FRFNDN-----SMNEFIQD	PALTILMHEL	217
E11_KF861875	K----NNYMPSNHGFSGIAIVTFSPEYS	FRFNDN-----SMNEFIQD	PALTILMHEL	214
E10_KF861917	K----NNYMPSNHGFSGIAIVTFSPEYS	FRFNDN-----SMNEFIQD	PALTILMHEL	214
E7_JN695729	R----NNYMPSNHGFSGIAIVTFSPEYS	FRFNDN-----SMNEFIQD	PALTILMHEL	214
E8_JN695730	R----NNYMPSNHGFSGIAIVTFSPEYS	FRFNDN-----SMNEFIQD	PALTILMHEL	214
E5_AB037711	R----NNYMPSNHGFSGIAIVTFSPEYS	FRFNDN-----SMNEFIQD	PALTILMHEL	214
E6_AM695759	R----NNYMPSNHGFSGIAIVTFSPEYS	FRFKDN-----SMNEFIQD	PALTILMHEL	214
E4_AB088207	R----NNYMPSNHGFSGIAIVTFSPEYS	FRFKDN-----SMNEFIQD	PALTILMHEL	214
E3_EF028403	R----NNYMPSNHGFSGIAIVTFSPEYS	FRFNDN-----SINEFIQD	PALTILMHEL	214
E1_Q00496	R----NNYMPSNHGFSGIAIVTFSPEYS	FRFNDN-----SMNEFIQD	PALTILMHEL	214
E2_EF028404	R----NNYMPSNHGFSGIAIVTFSPEYS	FRFNDN-----NTDLFIAD	PAISLAHEL	221
F7_GU213233	FPN-NIAYDPSEKGFSGIQLMSTFSTEY	EYAFND-----H-APSLFI	KDPALILMHEL	228
F5_GU213211	TPAQSLLEAIPYKEGFGSIMTIEFSPEY	ATAFNDISLTS---NSSTESFI	ADPAISLAHEL	229
F1_Q57236	LMDSGGVYDPSNDGFGSINIVTFSPEY	EYTFNDISGGY---NSSTESFI	ADPAISLAHEL	229
F4_GU213214	LMNSGEVYDPSNDGFGSINIVTFSPEY	EYTFNDISGGH---NSSTESFI	ADPAISLAHEL	229
F2_GU213209	FNKSKDLIEPSNHGFSGSINILTFSPEY	EHI FNDISGGN---HNSTESFI	ADPAISLAHEL	229
F3_GU213227	FNKSKDLIEPSNHGFSGSINILTFSPEY	EHI FNDISGGD---HNSTESFI	ADPAISLAHEL	229
F6_M92906	LIDPDVYDPSNYGFGSINIVTFSPEY	EYTFNDISGGH---NSSTESFI	ADPAISLAHEL	235
T_P04958	RVD-NKNYFPCRDGFGSIMQMAFCPEY	VPFTFDNVIENTISLTIGKSKY	FQDPA LLLMHEL	235

D_P19321	THSLHQLYGINIPSDKRIRPQVSEGFFSQDGNVQVFEELYTFGGDLVVEIIPQIERSQLRE	291
DC_AB745660	THSLHQLYGINIPSDKRIRPQVSEGFFSQDGNVQVFEELYTFGGSDVEIIPQIERLQRE	291
C1_P18640	NHAMHNLGIAIPNDQTISSVTSNIFYSQNVKLEYAEIYAFGGPTIDLIPKSARKYFEE	291
CD_AB200360	NHAMHNLGIAIPNDQRISSVTSNIFYSQNVKLEYAEIYAFGGPTIDLIPKSARKYFEE	291
G_Q60393	IHVLHGLYGIKISN-LPITPN-TKEFFMQHSDPVQAEELYTFGGHDPSPVSPSTDMNIYN	290
B4_EF051570	IHVLHGLYGIKVDD-LPIVPN-EKKFFMQSTDTIQAEELYTFGGQDPSIISPSTDKSIYD	290
B8_JQ964806	IHVLHGLYGIKVDD-LPIVPN-GKKFFMQSTDAIQAEELYTFGGQDPSIITPSTDKSIYD	290
B7_JQ354985	IHVLHGLYGIKVDD-LPIVPN-EKKFFMQSTDAIQAEELYTFGGQDPSIITPSTDKSIYD	290
B6_AB302852	IHVLHGLYGIKVDD-LPIVPN-EKKFFMQSTDAIQAEELYTFGGQDPSIITPSTDKSIYD	290
B2_AB084152	IHVLHGLYGIKVDD-LPIVPN-EKKFFMQSTDAIQAEELYTFGGQDPSIITPSTDKSIYD	290
B3_EF028400	IHVLHGLYGIKVDD-LPIVPN-EKKFFMQSTDAIQAEELYTFGGQDPSIITPSTDKSIYD	290
B1_B1INP5	IHVLHGLYGIKVDD-LPIVPN-EKKFFMQSTDAIQAEELYTFGGQDPSIISPSTDKSIYD	290
B5_EF033130	IHAEHRLYGIAINT-NRVFKVNTNAYYEMAGLEVSELEELITFGGNDAKFIDSLQKKEFSL	284
A4_EU341307	IHAEHRLYGIAINP-NRVFKVNTNAYYEMAGLEVSELEELITFGGHDAKFIDSLQENEFR	284
A7_JQ954969	IHAEHRLYGIAINP-NRVFKVNTNAYYEMAGLEVSELEELITFGGHDAKFIDSLQENEFR	284
A6_FJ981696	IHAEHRLYGIAINP-NRVFKVNTNAYYEMAGLEVSELEELITFGGHDAKFIDSLQENEFR	284
A1_A5HZZ9	IHAEHRLYGIAINP-NRVFKVNTNAYYEMAGLEVSELEELITFGGHDAKFIDSLQENEFR	284
A5_EU679004	IHAEHRLYGIAINP-NRVFKVNTNAYYEMAGLEVSELEELITFGGHDAKFIDSLQENEFR	284
A3_DQ185900	IHAEHRLYGIAINP-NRVFKVNTNAYYEMAGLEVSELEELITFGGNDTNFIDSLWQKKFSR	284
A2_X73423	IHAEHRLYGIAINP-NRVFKVNTNAYYEMAGLEVSELEELITFGGHDAKFIDSLQENEFR	284
A8_KM233166	IHAEHRLYGIAINP-NRVFKVNTNAYYEMAGLEVSELEELITFGGHDAKFIDSLQENEFR	284
H_KG015617	IHVLHGLYGITYITE-YKITPNVVQ-SYMKVTKPITSAEFLTFGGRDRNIVPQSIQSOLYN	286
E9_JX424534	IHSLHGLYGAKGIT-TKYTITQQQNPLITNIRGINIEEFLTFGGNNLNIITSSQLNDIYT	273
E12_KM370319	IHSLHGLYGAKGIT-TKYTITQQQNPLITNIRGINIEEFLTFGGNDLNIITSSQFNDIYT	276
E11_KF861875	IHSLHGLYGAKGIT-TKYTITQQQNPLITNIRGINIEEFLTFGGTDLNIITNAQSNDIYT	273
E10_KF861917	IHSLHGLYGAKGIT-TKYTITQQQNPLITNIRGINIEEFLTFGGTDLNIITNAQSNDIYT	273
E7_JN695729	IHSLHGLYGAKRIT-TKYTITQQQNPLITNIRGTNIEEFLTFGGTDLNIITSAQYNDIYT	273
E8_JN695730	IHSLHGLYGAKRIT-TKYTITQQQNPLITNIRGTNIEEFLTFGGTDLNIITSAQYNDIYT	273
E5_AB037711	IHSLHGLYGAKGIT-TKYTITQQQNPLITNIRGTNIEEFLTFGGTDLNIITSAQSNDIYT	273
E6_AM695759	IHSLHGLYGAKGIT-TQYTITQQQNPLITNIRGTNIEEFLTFGGTDLNIITSAQYNDIYT	273
E4_AB088207	IHSLHGLYGAKGIT-TKYTITQQQNPLITNIRGTNIEEFLTFGGTDLNIITSAQSNDIYT	273
E3_EF028403	IHSLHGLYGAKGIT-TTCITQQQNPLITNRKGINIEEFLTFGGNDLNIITVAQYNDIYT	273
E1_Q00496	IHSLHGLYGAKGIT-TKYTITQQQNPLITNIRGTNIEEFLTFGGTDLNIITSAQSNDIYT	273
E2_EF028404	IHSLHGLYGAKGIT-TKYTITQQQNPLITNIRGTNIEEFLTFGGTDLNIITSAQSNDIYT	273
F7_GU213233	IHVLHGLYGAKGVT-NKKVIEVDQGALMAAEKDIKEEFTFGGQDNLNIITNSTNQKIYD	280
F5_GU213211	IHVLHGLYGITYTG-FKIKPN-ITEPYEVTKPITSGEFLTFGGNDVNKIPQLIQSOLRS	286
F1_Q57236	IHALHGLYGARGVT-YKETIKVKQAPLMIAEKPRIEFLTFGGQDNLNIITSAKKEKIYN	288
F4_GU213214	IHALHGLYGARGVT-YKETIKVKQAPLMIAEKPRIEFLTFGGQDNLNIITSAKKEKIYN	288
F2_GU213209	IHALHGLYGAKAVT-HKESLVAERGPLMIAEKPRIEFLTFGGEDLNIIPSAMKEKIYN	288
F3_GU213227	IHALHGLYGAKAVT-HKETIEVKGAPLMIAEKPRIEFLTFGGEDLNIIPSAMKEKIYN	288
F6_M92906	IHALHGLYGARGVT-YEETIEVKGAPLMIAEKPRIEFLTFGGQDNLNIITSAKKEKIYN	288
T_P04958	IHVLHGLYGMQVSS-HEIIPS-KQEIYMQHTYPISAEELTFGGQDANLISIDIKNDLYE	293

* * * * *

351	D_P19321	KALGHYKDI	AKRLNINIKTIPSSWISNIDKYKKIFSEKYNFDKDNTGNFVVIDKFNLSLY
351	DC_AB745660	KALGHYKDI	AKRLNINIKTIPSSWSSNIDKYKKIFSEKYNFDKDNTGNFVVIDKFNLSLY
351	C1_P18640	KALDYRSI	AKRLNSITTANPSSFNKYIGEYKQKLRKYRFVVESSGEVTVRNRKFNVELY
351	CD_AB200360	KALDYRSI	AKRLNSITTANPSSFNKYIGEYKQKLRKYRFVVESSGEVAVDRNKFAELY
348	G_Q06393	KALQNFQDI	ANRLNIVS-SAQGS-GIDISLYKQIYKNKYDFVEDPNGKYSVDKDKFKDLY
349	BB4_EF051570	KVLQNF	RGIVDRLNKVLVCISDP-NININIKYKFKDKYKFVEDSEGKYSIDVESFNKLY
349	BB8_JQ964806	KVLQNF	RGIVDRLNKVLVCISDP-NININIKYKFKDKYKFVEDSEGKYSIDVESFDKLY
349	BB7_JQ354985	KVLQNF	RGIVDRLNKVLVCISDP-NININIKYKFKDKYKFVEDSEGKYSIDVESFDKLY
349	BB6_AB302852	KVLQNF	RGIVDRLNKVLVCISDP-NININIKYKFKDKYKFVEDSEGKYSIDVESFDKLY
349	BB2_AB084152	KVLQNF	RGIVDRLNKVLVCISDP-NININIKYKFKDKYKFVEDSEGKYSIDVESFDKLY
349	BB3_EF028400	KVLQNF	RGIVDRLNKVLVCISDP-NININIKYKFKDKYKFVEDSEGKYSIDVESFDKLY
349	BB1_B1INP5	KVLQNF	RGIVDRLNKVLVCISDP-NININIKYKFKDKYKFVEDSEGKYSIDVESFDKLY
349	BB5_EF033130	KVLQNF	RGIVDRLNKVLVCISDP-NININIKYKFKDKYKFVEDSEGKYSIDVESFDKLY
349	AA4_EU3411307	YYNKF	KDIASTLNKAKS-IVGT-TASLQYMKNVFKEKYLLES DATGKFLVDRLKFDELY
342	AA7_JQ954969	YYNKF	KEVASILNKA-KS-IIGT-TASLQYMKNVFKEKYLLES DTSKFSVDKLRFDKLY
342	AA6_FJ981696	YYNKF	KDIASTLNKAKS-IVGT-TASLQYMKNVFKEKYLLES DTSKFSVDKLRFDKLY
342	AA1_A5HZZ9	YYNKF	KDIASTLNKAKS-IVGT-TASLQYMKNVFKEKYLLES DTSKFSVDKLRFDKLY
342	AA5_EU679004	YYNKF	KDIASTLNKAKS-IVGT-TASLQYMKNVFKEKYLLES DTSKFSVDKLRFDKLY
342	AA3_DQ185900	DAYNLQ	NIARIINEAKT-IVGT-TTPLQYMKNIIFIRKYFLSE DASA GKI SVNKA AFKEFY
342	AA2_X73423	YYNKF	KDIASTLNKAKS-IIGT-TASLQYMKNVFKEKYLLES DTSKFSVDKLRFDKLY
342	AA8_KM233166	YYNKF	KDIASTLNKAKS-IVGT-TASLQYMKNVFKEKYLLES DTSKFSVDKLRFDKLY
343	H_KGO15617	KVLSDY	KRIASRLNKVNT-AT-A-LINIDEFKNLYEWKYQ FAKDSNGVYSVDLNKFEQLY
328	E9_JX424534	NLLDDY	KKIASKLSKVQV-SN-P-Q--LNPKYKDV FQEKYGLDKNASGIYSVNINKFNDF
331	E12_KM370319	NLLDDY	KKIASKLSQVRV-SN-P-Q--LNPKYKDV FQEKYGLDKDASGIYSVNINKFNDF
328	E11_KF861875	NLLDDY	KKIASKLSQVQV-SN-P-Q--LNPKYKDV FQEKYGLDKDANGIYSVNINKFNDF
328	E10_KF861917	NLLADY	KKIASKLSQVQV-SN-P-Q--LNPKYKDI FQEKYGLDKDNASGIYSVNINKFDDIF
328	E7_JN695729	NLLADY	KKIASKLSKVQV-SN-P-Q--LNPKYKDI FQEKYGLDKDNASGIYSVNINKFDDIF
328	E5_JN695730	NLLADY	KKIASKLSKVQV-SN-P-Q--LNPKYKDI FQEKYGLDKDNASGIYSVNINKFDDIF
328	E6_AM695759	NLLADY	KKIASKLSKVQV-SN-P-L--LNPKYKDV FEAKEYGLDKDNASGIYSVNINKFNDF
328	E4_AB088207	NLLADY	KKIASKLSKVQV-SN-P-L--LNPKYKDV FEAKEYGLDKDASGIYSVNINKFNDF
328	E3_EF028403	NLLNDY	KIASKLSKVQV-SN-P-Q--LNPKYKDI FQEKYGLDKDASGIYSVNINKFDDIL
328	E1_Q00496	NLLADY	KKIASKLSKVQV-SN-P-L--LNPKYKDV FEAKEYGLDKDASGIYSVNINKFNDF
328	E2_EF028404	NLLADY	KKIASKLSKVQV-SN-P-L--LNPKYKDV FEAKEYGLDKDASGIYSVNINKFNDF
337	F7_GU213233	NLLSNY	TAIASRLSQVNI-NN-S-ALNTTYKNFFQWKYGLDQDSNGNYT VNI SKFNAIY
343	F5_GU213211	KVLDDY	EKIASRLNKVNR-AT-A-EINIDKFYSYQLKYQFVKDSNGVYSVDLDFKNKLY
345	F1_Q57236	NLLANY	EKIA TRLSRVNS-AP-P-EYDINEYKDY FQWKYGLDKDNADGSYT V NENKFN E IY
345	F4_GU213214	DLLANY	EKIA TRLSEVNS-AP-P-EYDINEYKNY FQWKYGLDKDNADGSYT V NENKFN E IY
345	F2_GU213209	DLLANY	EKIA TRLREVN T-AP-P-GYDINEYKDY FQWKYGLDRNADGSYT VNRNKFN E IY
345	F3_GU213227	DLLANY	EKIA TRLREVN T-AP-P-EYDINEYKDY FQWKYGLDRNADGSYT VNRNKFN G IY
345	F6_M92906	NLLANY	EKIA TRLSEVNS-AP-P-EYDINEYKDY FQWKYGLDKDNADGSYT V NENKFN E IY
351	T_P04958	KTINDY	KAIA NKLSQVTSC-NDP-NIDIDSYKQIYQQKYQ FDKDSNGQYIVNEDKFQIILY

D	P19321	SDLTVMSEVVYSSQYNVKNRTHYFSRHYLPV-FANILDDNIYTIIRDGFNLTKGFNIEN	410
DC	AB745660	SDLTVMSEVVYSSQYNVKNRTHYFSKHYLPV-FANILDDNIYTIINGFNLTTKGFNIEN	410
C1	P18640	NELTQIFTEFNYAKIYNVQNRKIYLSNVYTPV-TANILDDNVYDIQNGFNIPKSNLNVLF	410
CD	AB200360	KELTQIFTEFNYAKIYNVQNRKIYLSNVYTPV-TANILDDNVYDIQNGFNIPKSNLNVLF	410
G	Q060393	KALMFGFTEETNLAGEYGIKTRYSYFSEYLPPIKTEKLLDNTIYTQNEGFNIASKNLKTEF	408
BB4	EF051570	KSLMFGFTEINIAENYKIKTRASYSFSDSLPPVKIKNLLDNEIYITIEEGFNISDKNMGEY	409
BB8	JQ964806	KSLMFGFTEINIAENYKIKTRASYSFSDSLPPVKIKNLLDDEIYITIEEGFNISDKNMGEY	409
BB7	JQ354985	KSLMFGFTEINIAENYKIKTRASYSFSDSLPPVKIKNLLDNEIYITIEEGFNISDKDMEKEY	409
BB6	AB302852	KSLMFGFTEINIAENYKIKTRASYSFSDSLPPVKIKNLLDNEIYITIEEGFNISDKNMEKEY	409
BB2	AB084152	KSLMFGFTEINIAENYKIKTRASYSFSDSLPPVKIKNLLDNEIYITIEEGFNISDKNMEKEY	409
BB3	EF028400	KSLMFGFTEINIAENYKIKTRASYSFSDSLPPVKIKNLLDNEIYITIEEGFNISDKNMEKEY	409
BB1	B1INP5	KSLMFGFTEINIAENYKIKTRASYSFSDSLPPVKIKNLLDNEIYITIEEGFNISDKDMEKEY	409
BB5	EF033130	KSLMFGFTEINIAENYKIKTRASYSFSDSLPPVKIKNLLDNEIYITIEEGFNISDKDMEKEY	409
A4	EU3411307	KLITEIYTEDNFVKFFKVLNRKTYLNFDKAVF-KINIVPDVNYTIHDFGNLNRNTNLAANF	401
A7	JQ954969	KMLTEIYTEDNFVKFFKVLNRKTYLNFDKAVF-KMNIVPEVNYTIYDGFNLRNTNLAANF	401
A6	FJ981696	KMLTEIYTEDNFVKFFKVLNRKTYLNFDKAVF-KINIVPKVNYTIYDGFNLRNTNLAANF	401
A1	A5HZZ9	KMLTEIYTEDNFVKFFKVLNRKTYLNFDKAVF-KINIVPKVNYTIYDGFNLRNTNLAANF	401
A5	EU679004	KMLTEIYTEDNFVKFFKVLNRKTYLNFDKAVF-KINIVPEVNYTIYDGFNLRNTNLAANF	401
A3	DQ185900	RVLTRGFTELEFVNPFKVINRKYTYLNFDKAVF-RINIVPDENYTIINEGFNLEGAN----	397
A2	X73423	KMLTEIYTEDNFVNFFKVINRKYTYLNFDKAVF-RINIVPDENYTIKDGFNLKGANLSTNF	401
A8	KM233166	KMLTEIYTEDNFVKFFKVLNRKTYLNFDKAVF-KINIVPDENYTIKDGFNLKNNTNLAANF	401
H	KGO15617	KKIY-SFTEFNLAYEFKIKTRLGYLAENFGFPFYLPNLLDSSIYTEVDGFGIG--ALSINY	400
E9	JX424534	KKLY-SFTEFDLATKFQVKCRETYIGQ-YKYFKLSNLLNDSIYINISEGYNIN--TLNVNF	384
E12	KM370319	KKLY-SFTEFDLATKFQVKCRETYIGQ-YKYFQLSNLLNDSIYINISEGYNIN--NLKVNF	387
E11	KF861875	KKLY-SFTEFDLATKFQVKCRKTYIGH-HKYFRLSDLLNDSIYINISDGYNIN--TLKVNF	384
E10	KF861917	KKLY-SFTEFDLATKFQVKCRQTYIGQ-YKYFKLSNLLNNSIYINISEGYNIN--TLKVNF	384
E7	JN695729	KKLY-SFTEFDLATKFQVKCRQTYIGQ-YKYFKLSNLLNNSIYINISEGYNIN--TLKVNF	384
E5	JN695730	KKLY-SFTEFDLATKFQVKCRQTYIGQ-YKYFKLSNLLNNSIYINISEGYNIN--TLKVNF	384
E6	AM695759	KKLY-SFTEFDLATKFQVKCRQTYIGQ-YKYFKLSNLLNDSIYINISEGYNIN--TLKVNF	384
E4	AB088207	KKLY-SFTEFDLATKFQVKCRQTYIGQ-YKYFKLSNLLNDSIYINISEGYNIN--NLKVNF	384
E3	EF028403	KKLY-SFTEFDLATKFQVKCRETYIGQ-YKYFKLSNLLNDSIYINISEGYNIN--NLKVNF	384
E1	Q00496	KKLY-SFTEFDLATKFQVKCRQTYIGQ-YKYFKLSNLLNDSIYINISEGYNIN--NLKVNF	384
E2	EF028404	KKLY-SFTEFDLATKFQVKCRQTYIGQ-YKYFKLSNLLNDSIYINISEGYNIN--NLKVNF	384
F7	GU213233	KKLF-SFTECDLAQKFQVKNRSNYLFH-FKPFRLDLLDDNIYSISEGFGNIG--SLRVNN	393
F5	GU213211	DKIY-SFTEFNLAHEFKIKTRNSYLAKNFGFPFYLPNLLDNSIYNEADGFGNIG--DLSVNY	400
F1	Q57236	KKLY-SFTEIDLANKFKVKCRNTYFIK-YGFLKVPNLLDDDIYTVSEGFNIG--NLAVNN	401
F4	GU213214	KKLY-SFTEIDLANKFKVKCRNTYFIK-YGFLKVPNLLDDDIYTVSEGFNIG--NLAVNN	401
F2	GU213209	KKLY-SFTEIDLANKFKVKCRNTYFIK-YGFVKVPDLLDDDIYTVSEGFNIG--NLAVNN	401
F3	GU213227	KKLY-SFTEIDLANKFKVKCRNTYFIK-YGFVKVPDLLDDDIYTVSEGFNIG--NLAVNN	401
F6	M92906	KKLY-SFTEIDLANKFKVKCRNTYFIK-YEFLKVPNLLDDDIYTVSEGFNIG--NLAVNN	401
T	P04958	NSIMYGFTEIELGKKFNIKTRLSYFSMNHDPVKIPNLLDDTIYNDTEGFNIESKDLKSEY	411

D_P19321	SGQNIERNPAL-QKLSS-ESVVDLFTTKVCLRLTKN-----SRDDSTCIKV	453
DC_AB745660	SGQNIERNPAL-QKLSS-ESVVDLFTTKVCLRLTRN-----SRDDSTCIQV	453
C1_P18640	MGQNLERNPAL-RKVNP-ENMLYLF TKFCHKAIDGR-----SLYKNTLDCRELLV	458
CD_AB200360	MGQNLERNPAL-RKVNP-ENMLYLF TKFCHKAIDGR-----SLYKNTLDCRELLV	458
G_Q60393	NGQNKAVNKEAYEEIISL-EHLVYRIAMCKPVMYKN-----TGKSEQCIIV	453
B4_EF051570	RGQNKAINKQAYEEISK-EHLAVYKI QMCKSVK-----VPGICIDV	449
B8_JQ964806	RGQNKAINKQAYEEISK-EHLAVYKI QMCKSVR-----APGICIDV	449
B7_JQ354985	RGQNKAINKQAYEEISK-EHLAVYKI QMCKSVK-----APGICIDV	449
B6_AB302852	RGQNKAINKQAYEEISK-EHLAVYKI QMCKSVR-----APGICIDV	449
B2_AB084152	RGQNKAINKQAYEEISK-EHLAVYKI QMCKSVR-----APGICIDV	449
B3_EF028400	RGQNKAINKQAYEEISK-EHLAVYKI QMCKSVR-----APGICIDV	449
B1_B1INP5	RGQNKAINKQAYEEISK-EHLAVYKI QMCKSVK-----APGICIDV	449
B5_EF033130	RGQNKAINKQAYEEISK-EHLAVYKI QMCKSVK-----APGICIDV	449
A4_EU341307	NGQNIENNNKFNFKLKNFTGLFEFYKLLCVRGII TSKTSLD-----EGYNKALNDLCIKV	457
A7_JQ954969	NGQNIENNNKFNFKLKNFTGLFEFYKLLCVRGII TSKTSLD-----EGYNKALNDLCIKV	457
A6_FJ981696	NGQNIENNNKFNFKLKNFTGLFEFYKLLCVRGII TSKTSLD-----KGYNKALNDLCIKV	457
A1_A5HZZ9	NGQNIENNNKFNFKLKNFTGLFEFYKLLCVRGII TSKTSLD-----KGYNKALNDLCIKV	457
A5_EU679004	NGQNIENNNKFNFKLKNFTGLFEFYKLLCVRGII TSKTSLD-----EGYNKALNDLCIKV	457
A3_DQ185900	NGQNIENSRNFTRLKNFTGLFEFYKLLCVRGII PFKTKSLD-----EGYNKALNYLCIKV	453
A2_X73423	NGQNIENSRNFTRLKNFTGLFEFYKLLCVRGII PFKTKSLD-----EGYNKALNDLCIKV	457
A8_KM233166	NGQNIENSRNFTRLKNFTGLFEFYKLLCVRGII PFKTKSLD-----EGYNKALNDLCIKV	457
H_KG015617	QQQIGSDINSIKKLQ--QGVVSRVRLCSNS-----NT-----KNSLCITV	441
E9_JX424534	RGQNPNLNPRII TPITD-RGLVKKII RFCKNI-----VS-----VKGIRK--SICIEV	429
E12_KM370319	RGQVANLNPRII TPITG-RGLVKKII RFCKNI-----VS-----VKGIRK--SICIEV	432
E11_KF861875	RGQNTNLNTRII TPITG-RGVVVKII RFCTNI-----FS-----PKGIRK--SICIEV	429
E10_KF861917	RGQNTNLNPRII TQLTG-RGLVKKII RFCKNI-----VF-----SKGITK--SICIEI	429
E7_JN695729	RGQNTNLNPRII TQLTG-RGLVKKII RFCKNI-----VF-----SKGITK--SICIEI	429
E8_JN695730	RGQNTNLNPRII TQLTG-RGLVKKII RFCKNI-----VF-----SKGITK--SICIEI	429
E5_AB037711	RGQVANLNPRII TPITG-RGLVKKII RFCKNI-----VS-----VKGIRK--SICIEI	429
E6_AM695759	RGQNTNLNPRII TPLTG-RGLVKKII RFCKNI-----VF-----SKGIRK--SICIEI	429
E4_AB088207	RGQVANLNPRII TPITG-RGLVKKII RFCKNI-----VS-----VKGIRK--SICIEI	429
E3_EF028403	RGQVANLNPRII IKPTG-RGLVKKII RFCKNI-----VS-----VKGIRK--SICIEI	429
E1_Q00496	RGQVANLNPRII TPITG-RGLVKKII RFCKNI-----VS-----VKGIRK--SICIEI	429
E2_EF028404	RGQVANLNPRII TPITG-RGLVKKII RFCKNI-----VS-----VKGIRK--SICIEI	429
F7_GU213233	NGQNLNLSRIVGPIPD-NGLVERFVGLCKSI-----VS-----KKGTKN--SLCIVK	438
F5_GU213211	KGVVIGSDIDSICKLEG-QGVVSRVRLCLNS-----SF-----KKNYTK--PLCITV	445
F1_Q57236	RGQNIKNPKII IDSIPD-KGLVEKIVKFCCKSV-----IP-----RKGTKAPPRLCIRV	448
F4_GU213214	RGQNLNLPKII IDSIPD-KGLVEKIVKLCCKSI-----IP-----RKGTKAPPRLCIRV	448
F2_GU213209	RGQNLNLPKII IDSIPD-KGLVEKII KFCKSI-----IP-----RKGTQSPSLCIRV	448
F3_GU213227	RGQNLNLPKII IDSIPD-KGLVEKII KFCKSI-----IP-----RKGTQSPSLCIRV	448
F6_M92906	RGQSIKNPKII IDSIPD-KGLVEKIVKFCCKSV-----IP-----RKGTKAPPRLCIRV	448
T_P04958	KGQNMVRVNTNAFRNVDC-SGLVSKLIGLCCKKII PPTNIRENLNRTASLTDLGELCIIKI	470
	** : : *	
	: : *	

D_P19321	KNRLLPYVADKDSISQE-IFENKIIITDETNNQVNSDKF----	SLDESILDGQVPINPEIVD	509
DC_AB745660	KNNTLPYVADKDSISQE-IFESQIIITDETNNVENSDF----	SLDESILDAKVPTNPEAVD	509
C1_P18640	KNTDLPFIGDISVKTD-IFLRKDINEETEVIYYPDNV----	SVDQVILSKNTS-EHGQLD	513
CD_AB200360	KNTDLPFIGDISDIKTID-IFLSKIDINEETEVIDYDPNV----	SVDQVILSKNTS-EHGQLD	513
G_Q60393	NNEDLFFIANKDSFSKD-LAKAETIAYNTQNTIENNFF----	SIDQLILDNDLSSGID-L-	507
B4_EF051570	DNENLFFIADKNSFSDD-LSKNERVEYNTQNNYIGNDF----	PINELIILDTDLISKIE-L-	503
B8_JQ964806	DNEDLFFIADKNSFSDD-LSKNERIEYNTQSNYIENDF----	SINELIILDTDLISKIE-L-	503
B7_JQ354985	DNEDLFFIADKNSFSDD-LSKNERIEYNTKNITYIENYF----	SINELIILDTDLISGIE-L-	503
B6_AB302852	DNEDLFFIADKNSFSDD-LSKNERIEYDTQSNYIENRS----	SIDELIILDTNLISKIE-L-	503
B2_AB084152	DNEDLFFIADKNSFSDD-LSKNERIEYDTQSNYIENRS----	SIDELIILDTNLISKIE-L-	503
B3_EF028400	DNEDLFFIADKNSFSDD-LSKNERIEYDTQSNYIENRS----	SIDELIILDTNLISKIE-L-	503
B1_B1INP5	DNEDLFFIADKNSFSDD-LSKNERIEYNTQSNYIENDF----	PINELIILDTDLISKIE-L-	503
B5_EF033130	DNEDLFFIADKNSFTND-LDKVEEITSDTNIEAAEENISLDLIQ	QYYLTFNFDNEPENT-	515
A4_EU341307	NNWDLFFSPSEDNFTND-LNKGEEITSDTNIEAAEENISSDLI	QYYLTFNFDNEPENI-	515
A7_JQ954969	NNWDLFFSPSEDNFTND-LNKGEEITSDTNIEAAEENISLDLI	QYYLTFNFDNEPENI-	515
A6_FJ981696	NNWDLFFSPSEDNFTND-LNKGEEITSDTNIEAAEENISLDLI	QYYLTFNFDNEPENI-	515
A1_A5HZZ9	NNWDLFFSPSEDNFTND-LNKGEEITSDTNIEAAEENISLDLI	QYYLTFNFDNEPENI-	515
A5_EU679004	NNWDLFFSPSEDNFTND-LNKGEEITSDTNIEAAEENISLDLI	QYYLTFNFDNEPENI-	515
A3_DQ185900	NNWDLFFSPSEDNFTND-LDKVEEITADTNIEAAEENISLDLI	QYYLTFNFDNEPENI-	511
A2_X73423	NNWDLFFSPSEDNFTND-LDKVEEITADTNIEAAEENISLDLI	QYYLTFNFDNEPENI-	515
A8_KM233166	NNWDLFFSPSEDNFTND-LDKVEEITSDTNIEAAEENISLDLI	QYYLTFNFDNEPENI-	515
H_KG015617	NNRDLFFIASQESYGEINTYKEIDDTTLDPSFEDIID----	KVILNFNEQVPIQ-M-	495
E9_JX424534	NNGDLFFVASEKSYNNDSINIPKEIDDTVTLNNNYENDLD----	QVILNFNSESAPG-L-	483
E12_KM370319	NNGELFFVASENSYNDNINPTPKEIDDTVTNNNNYENDLD----	QVILNFNSESAPG-L-	486
E11_KF861875	NNGELFFVASENSYNDNINPTPKEIDDTVTNNNNYENDLD----	QVILNFNSESAPG-L-	483
E10_KF861917	NNGELFFVASENSYNDNINPTPKEIDDTVTNNNNYENDLD----	QVILNFNSESAPG-L-	483
E7_JN695729	NNGELFFVASENSYNDNINPTPKEIDDTVTNNNNYENDLD----	QVILNFNSESAPG-L-	483
E8_JN695730	NNGELFFVASENSYNDNINPTPKEIDDTVTNNNNYENDLD----	QVILNFNSESAPG-L-	483
E5_AB037711	NNGELFFVASENSYNDNINPTPKEIDDTVTNNNNYENDLD----	QVILNFNSESAPG-L-	483
E6_AM695759	NNGELFFVASENSYNDNINPTPKEIDDTVTNNNNYENDLD----	QVILNFNSESAPG-L-	483
E4_AB088207	NNGELFFVASENSYNDNINPTPKEIDDTVTNNNNYENDLD----	QVILNFNSESAPG-L-	483
E3_EF028403	NNGELFFVASENSYNDNINPTPKEIDDTVTNNNNYENDLD----	QVILNFNSESAPG-L-	483
E1_Q00496	NNGELFFVASENSYNDNINPTPKEIDDTVTNNNNYENDLD----	QVILNFNSESAPG-L-	483
E2_EF028404	NNGELFFVASENSYNDNINPTPKEIDDTVTNNNNYENDLD----	QVILNFNSESAPG-L-	483
F7_GU213233	NNRDLFFVASESSYNENGINSPKEIDDTTITNNNYKKNLD----	EVILDYNSDAIPN-L-	492
F5_GU213211	NNGDLFFIASEDSYGEDTINTPKEIDDTTTLVPFKNILD----	KVILDFNKQVTPQ-I-	499
F1_Q57236	NNRELFFVASESSYNENDINTPKEIDDTTNLNNYRNNDL----	EVILDYNSETIPQ-I-	502
F4_GU213214	NNRELFFVASESSYNENDINTPKEIDDTTNLNNYRNNDL----	EVILDYNSETIPQ-I-	502
F2_GU213209	NNRELFFVASESSYNESDINTPKEIDDTTNLNNYRNNDL----	EVILDYNSETIPQ-I-	502
F3_GU213227	NNRELFFVASESSYNESDINTPKEIDDTTNLNNYRNNDL----	EVILDYNSETIPQ-I-	502
F6_M92906	NNSELFFVASESSYNENDINTPKEIDDTTNLNNYRNNDL----	EVILDYNSQITPQ-I-	502
T_P04958	KNEDLTFIAEKNSFSEE-PFQDEIVSYNTKNKPLNFNY----	SLDKIIVDYNLQSKIT-L-	524
	* * : :		

620	D_P19321	T\$VEEALGYSNKIYTFPLPSLA-EKVNKGVQAGLFLN\$WANEV\$EDFTTINIMK\$D\$TL\$DKISD
620	DC_AB745660	T\$VEEALGYSNKIYTFPLPSLA-EKVNKGVQAGLFLN\$WANEV\$EDFTTINIMK\$D\$TL\$DKISD
624	C1_P18640	RSIEEALD\$SAKVYTYFPTLA-NKVNAGVQ\$GLFLM\$WANDV\$EDFTTINILRK\$D\$TL\$DKISD
624	CD_AB200360	T\$IEEALD\$SGKVYTYFPKLA-DK\$VNTGVQ\$GLFLM\$WANDV\$EDFTTINILRK\$D\$TL\$DKISD
621	G_Q06393	NSLNDALRN\$NKNKYTFF\$TNLVEKANTV\$GASL\$FN\$WKGVI\$DDFTSE\$TQ\$K\$TIDK\$VSD
616	BB4_EF051570	SSFDDALLV\$SSKVYSFF\$SMDYIKTANKV\$EAGL\$FAGW\$KQIV\$DDFVIEANK\$S\$TMDKIAD
616	BB8_JQ964806	SSFDDALLF\$SNKVYSFF\$SMDYIKTANKV\$EAGL\$FAGW\$KQIIDD\$FVIEANK\$S\$TMDKIAD
616	BB7_JQ354985	SSFDDALLF\$SNKVYSFF\$SMDYIKTANKV\$EAGL\$FAGW\$KQIV\$DDFVIEANK\$S\$TMDKIAD
616	BB6_AB302852	SSFDDALLF\$SNKVYSFF\$SMDYIKTANKV\$EAGL\$FAGW\$KQIV\$DDFVIEANK\$S\$TMDKLAD
616	BB2_AB084152	SSFDDALLF\$SNKVYSFF\$SMDYIKTANKV\$EAGL\$FAGW\$KQIV\$DDFVIEANK\$S\$TMDKIAD
616	BB3_EF028400	SSFDDALLF\$SNKVYSFF\$SMDYIKTANKV\$EAGL\$FAGW\$KQIV\$DDFVIEANK\$S\$TMDKIAD
616	B1_B1INP5	SSFDDALLF\$SNKVYSFF\$SMDYIKTANKV\$EAGL\$FAGW\$KQIV\$DDFVIEANK\$S\$TMDKIAD
616	B5_EF033130	SSFDDALLF\$SNKVYSFF\$SMDYIKTANKV\$EAGL\$FAGW\$KQIV\$DDFVIEANK\$S\$TMDKIAD
616	A4_EU3411307	NSAKEALLKPNIVYTF\$SSKYIKAINKAVEAVTFVN\$ENL\$VYDF\$TDETN\$EV\$TMDKIAD
629	A7_JQ954969	NSVNEALLNP\$SVYTF\$SSDYVKKANEATEAAMFLGW\$EQLVYDF\$TDETN\$EV\$TMDKIAD
629	A6_FJ981696	NSVNEALLNP\$SHVYTF\$SSDYVKK\$NKA\$TEAAMFLGW\$EQLVYDF\$TDETN\$EV\$T\$TMDKIAD
629	A1_A5HZZ9	NSVNEALLNP\$SRVYTF\$SSDYVKK\$NKA\$TEAAMFLGW\$EQLVYDF\$TDETN\$EV\$T\$TMDKIAD
629	A5_EU679004	NSVNEALLNP\$SVYTF\$SSDYVRK\$NKA\$TEAAMFLGW\$EQLVYDF\$TDETN\$EV\$T\$TMDKIAD
625	A3_DQ185900	NSAEEALLKPNVAYTF\$SSKYVKKINKAVEAVIFL\$WAEELVYDF\$TDETN\$EV\$T\$TMDKIAD
629	A2_X73423	NSAEEALLKPNVAYTF\$SSKYVKKINKAVEAFMFLN\$WAEELVYDF\$TDETN\$EV\$T\$TMDKIAD
629	A8_KM233166	NSVNEALLNP\$RVYTF\$SSDYVKK\$NKA\$TEAAMFLGW\$EQLVYDF\$TDETN\$EV\$T\$TMDKIAD
611	H_KG015617	SSFDTGLLEG\$SKVYTF\$SSDFINNINKPVQALLFIEW\$KQVIRDF\$TTEATKT\$TV\$DKLKD
598	E9_JX424534	SSIDTALLEQ\$KIYTF\$SSSEFINNVNKPVQ\$AALFVGWIQ\$QVLVDF\$TTEATQ\$K\$TV\$DKIAD
601	E12_KM370319	SSIDTALLEQ\$PKIYTF\$SSSEFINNVNKPVQ\$AVL\$FV\$SWIQ\$QVLVDF\$TTEATQ\$K\$TV\$DKIAD
598	E11_KF861875	SSIDTALLEQ\$PKIYTF\$SSSKFISNLNKTMQ\$AALFV\$SWIQ\$QVLVDF\$TTEATQ\$K\$TV\$DKIAD
598	E10_KF861917	SSIDTALLEQ\$PKIYTF\$SSSEFINNVNKPVQ\$AALFV\$SWIQ\$QVLVDF\$TTEANQ\$K\$TV\$DKIAD
598	E7_JN695729	SSIDTALLEQ\$PKIYTF\$SSSEFINNVNKPVQ\$AALFV\$SWIQ\$QVLVDF\$TTEANQ\$K\$TV\$DKIAD
598	E5_JN695730	SSIDTALLEQ\$PKIYTF\$SSSEFINNVNKT\$VQ\$AALFV\$SWIQ\$QVLVDF\$TTEANQ\$K\$TV\$DKIAD
598	E6_AB037711	SSIDTALLEQ\$PKIYTF\$SSSEFINNVNKPVQ\$AALFV\$SWIQ\$QVLVDF\$TTEANQ\$K\$TV\$DKIAD
598	E6_AM695759	SSIDTALLEQ\$PKIYTF\$SSSEFINNVNKPVQ\$AALFV\$SWIQ\$QVLVDF\$TTEANQ\$K\$TV\$DKIAD
598	E4_AB088207	SSIDTALLEQ\$PKIYTF\$SSSEFINNVNKPVQ\$AALFVGWIQ\$QVLVDF\$TTEANQ\$K\$TV\$DKIAD
598	E3_EF028403	SSIDTALLEQ\$PKIYTF\$SSSEFINNVNKPVQ\$AALFV\$SWIQ\$QVLVDF\$TTEANQ\$K\$TV\$DKIAD
598	E1_Q00496	SSIDTALLEQ\$PKIYTF\$SSSEFINNVNKPVQ\$AALFV\$SWIQ\$QVLVDF\$TTEANQ\$K\$TV\$DKIAD
598	E2_EF028404	SSIDTALLEQ\$PKIYTF\$SSSEFINNVNKPVQ\$AALFV\$SWIQ\$QVLVDF\$TTEANQ\$K\$TV\$DKIAD
607	F7_GU213233	SSVNTALLD\$ASKVYTF\$SSDFINTV\$NKPVQ\$AALFISWIQ\$QVIN\$DFTTEATQ\$K\$TIDKIAD
614	F5_GU213211	SSIDTALSEESK\$VYTF\$SSEFIDTINEP\$VNAALFIDWISK\$VIR\$DFTTEATQ\$K\$TV\$DKIAD
617	F1_Q57236	SSIDTALSEESQ\$VYTF\$SSEFINTINKP\$VHAALFISWINQ\$VIR\$DFTTEATQ\$K\$TV\$DKIAD
617	F4_GU213214	SSIDTALSEESK\$VYTF\$SSEFINNINKP\$VHAALFISWISQ\$VIR\$DFTTESTQ\$K\$TV\$DKIAD
617	F2_GU213209	SSIDTALLEESK\$VYTF\$SSEFIDTINKP\$VNAALFIDWISK\$VIR\$DFTTEATQ\$K\$TV\$DKIAD
617	F3_GU213227	SSIDTALLEEK\$K\$VYTF\$SSEFIDTINESV\$NAAALFIDWINK\$VIR\$DFTTEATQ\$K\$TV\$DKIAD
616	F6_M92906	SSIDTALLEESKD-IF\$SSEFIDTINKP\$VNAALFIDWISK\$VIR\$DFTTEATQ\$K\$TV\$DKIAD
638	T_P04958	NSVDDALIN\$STKIYSYF\$PSVI-SKVNQGAQ\$GILFLQ\$W\$RDIIDDFTNE\$SQKT\$TIDKISD
		* . . * :: * . * * * * * * * * *

D_P19321	VSVIIPYIGPALNIGNSALRGNFNQAFATAGVAFLLGPFPEFTIPALGVFTFYSSIQ---
DC_AB745660	VSIIPIYIGPALNIGNSALRGNFKQAFATAGVAFLLGPFPEFTIPALGVFTFYSSIQ---
C1_P18640	VSIIPIYIGPALNISNSVRNGNFTEAFVTGVTILLEAFPEFTIPALGAFVIYSKVQ---
CD_AB200360	VSIIPIYIGPALNISNSVRNGNFTEAFVTGVTILLEAQFQFTIPALGAFVIYSKVQ---
G_Q060393	VSIIPIYIGPALNVNETAKENFKNAFEIGGAAILMEFIPELIVPVGFFTLESYVG---
B4_EF051570	ISLIVPYIGLALNVGDETAKNGFESAFEIAGSSILLEFIPELLIPVWGVFLLESYD---
B8_JQ964806	ISLIVPYIGLALNVGNETAKGNFENAFEIAAGSSILLEFIPELLIPVWGAFLLESYD---
B7_JQ354985	ISLIVPYIGLALNVGNETAKGNFENAFEIAAGASILLEFIPELLIPVWGAFLLESYD---
B6_AB302852	ISLIVPYIGLALNVGNETAKGNFENAFEIAAGASILLEFIPELLIPVWGAFLLESYD---
B2_AB084152	ISLIVPYIGLALNVGNETAKGNFENAFEIAAGASILLEFIPELLIPVWGAFLLESYD---
B3_EF028400	ISLIVPYIGLALNVGNETAKGNFENAFEIAAGASILLEFIPELLIPVWGAFLLESYD---
B1_B1INP5	ISLIVPYIGLALNVGNETAKGNFENAFEIAAGASILLEFIPELLIPVWGAFLLESYD---
B5_EF033130	ISLIVPYIGLALNVGNETAKGNFENAFEIAAGASILLEFIPELLIPVWGAFLLESYD---
A4_EU3411307	ITIVIPYIGPALNIGNMIYKGEFVEAII FSGAVILLEIVPEIALPVLTGTALVSYS---
A7_JQ954969	ITIIIVPYIGPALNIGNMVYKKKFEEALIFSGAVILLEFVPEIVLPILGTFTALVSYS---
A6_FJ981696	ITIIIPYIGPALNIGNMLYKDDFVGALIFSGAVILLEFIPEIAIPVLGTFAIVSYIA---
A1_A5HZZ9	ITIIIPYIGPALNIGNMLYKDDFVGALIFSGAVILLEFIPEIAIPVLGTFTALVSYIA---
A5_EU679004	ITIIIPYIGPALNIGNMLYKDDFVGALIFSGAVILLEFIPEIAIPVLGTFTALVSYIA---
A3_DQ185900	ITIIIVPYIGPALNIGNMVSKGEFVEAII FTGVALLLEFIPEYSLPVFGTFFAIVSYIA---
A2_X73423	ITIIIVPYIGPALNIGNMLSKGFEVEAII FTGVAMLEFIPEYALPVFGTFFAIVSYIA---
A8_KM233166	ITIIIPYIGPALNIGNMLYKDDFVGALIFSGAVILLEFIPEIAIPVLGTFTALVSYIA---
H_KGO15617	ISLVPPYIGLALNIGDEIYKQHFAEAVELV GAGLLEFSPEFLIPTLLIFTIKGLYTGSI
E9_JX424534	ISIVWPYIGLALNIGNE SQKGNFKDALELLGAGILLEFVPELLIPTILVFTIKSFLG-SS
E12_KM370319	ISIVWPYIGLALNIGNEAQKGNFKDALELLGAGILLEFVPELLIPTILVFTIKSFLG-SS
E11_KF861875	ISIVWPYIGLALNIGNEAQKGNFKDALELLGAGILLEFEPELLIPIIILVFTIKSFLG-SS
E10_KF861917	ISIVWPYIGLALNIGNEAQKGNFKDALELLGAGILLEFEPELLIPTILVFTIKSFLG-SS
E7_JN695729	ISIVWPYIGLALNIGNEAQKGNFKDALELLGAGILLEFEPELLIPTILVFTIKSFLG-SS
E5_JN695730	ISIVWPYIGLALNIGNEAQKGNFKDALELLGAGILLEFEPELLIPTILVFTIKSFLG-SS
E6_AM695759	ISIVWPYIGLALNIGNEAQKGNFKDALELLGAGILLEFVPELLIPTILVFTIKSFLG-SS
E4_AB088207	ISIVWPYIGLALNIGNEAQKGNFKDALELLGAGILLEFEPELLIPTILVFTIKSFLG-SS
E3_EF028403	ISIVWPYIGLALNIGNEAQKGNFKDALELLGAGILLEFEPELLIPTILVFTIKSFLG-SS
E1_Q00496	ISIVWPYIGLALNIGNEAQKGNFKDALELLGAGILLEFEPELLIPTILVFTIKSFLG-SS
E2_EF028404	ISIVWPYIGLALNIGNEAQKGNFKDALELLGAGILLEFEPELLIPTILVFTIKSFLG-SS
F7_GU213233	ISLWPPYVGLALNIGNEVQKGNFKEAIELLGAGILLEFVPELLIPTILVFTIKSFINS-SD
F5_GU213211	ISLIVPPYVGLALNIVNETEKGNFKEAFELLGAGILLEFVPELAIPVILVFTIKSID-SY
F1_Q57236	ISLWPPYVGLALNIGNEVQKENFKEAFELLGAGILLEFVPELLIPTILVFTIKSFIG-SS
F4_GU213214	ISLIVPPYVGLALNIGNDARKGNFKEAFELLGAAILLEVPPELLIPVILVFTIKSFID-SS
F2_GU213209	ISLIVPPYVGLALNIVEAEKGNFEEAFELLGAGILLEFVPELTIPVILVFTIKSID-SY
F3_GU213227	ISLIVPPYVGLALNIVIDAEGKNFQEAPELLGAGILLEFVPELTIPVILVFTIKSID-SY
F6_M92906	ISLIVPPYVGLALNIIEAEKGNFEEAFELLGVGILLEFVPELTIPVILVFTIKSID-SY
T_P04958	VSTIVPPYIGPALNIVKQGYEGNFIGALETTGVLLLEYIPEITLPVIAALSIAESST---
	:: ::::*:***** . . * * . . : : * * . . : : :

D_P19321	-EREKI IKT IENCLEQRVKRWKDSYQWVMVSNWLSRITTTQFNHINYQMYDSL SYQADA IKA	736
DC_AB745660	-EREKI IKT IENCLEQRVKRWKDSYQWVMVSNWLSRITTTQFNHISYQMYDSL SYQADA IKA	736
C1_P18640	-ERNEI IKT IDNCLEQR IKRWKDSYEWMMGTWLSRITTTQFNNISYQMYDSL NYQA GA IKA	740
CD_AB200360	-ERNEI IKT IDNCLEQR IKRWKDSYEWMMIGTWLSRITTTQFNNISYQMYDSL NYQA DA IKD	740
G_Q06393	-NKGHI IMT ISNALKRKDQKWTDMYGLIVSQWLSTVNTQFYTIKERMYNALNNQSQAE IEK	737
B4_EF051570	-NKNKI IKT IDNALT KRVEKWI DMYGLIVAQWLSTVNTQFYTIKEGMYKALNYQAQALEE	732
B8_JQ964806	-NKNKI IKT IDNALT KRDEKWI DMYGLIVAQWLSTVNTQFYTIKEGMYKALNYQAQALEE	732
B7_JQ354985	-NKNKI IKT IDNALT KRVEKWI DMYGLIVAQWLSTVNTQFYTIKEGMYKALNYQAQALEE	732
B6_AB302852	-NKNKI IKT IDNALT KRDEKWDI DMYGLIVAQWLSTVNTQFYTIKEGMYKALNYQAQALEE	732
B2_AB084152	-NKNKI IKT IDNALT KRDEKWI DMYGLIVAQWLSTVNTQFYTIKEGMYKALNYQAQALEE	732
B3_EF028400	-NKNKI IKT IDNALT KRNEKWSI DMYGLIVAQWLSTVNTQFYTIKEGMYKALNYQAQALEE	732
B1_B1INP5	-NKNKI IETINSALT KRDEKWI DMYGLIVAQWLSTVNTQFYTIKEGMYKALNYQAQALEE	732
B5_EF033130	-NKVLT VQT IDNALS KRNEKWD EYKY IVTNWLA IVNTQ INL IREKMKKALENQA EEA TKA	745
A4_EU3411307	-NKVLT VRT IDNALS KRNEKWE EYKY IVTNWLA KVNTQ INL IREKMKKALENQA EEA TKA	745
A7_JQ954969	-NKVLT VQT INNALS KRNEKWD EYKY IVTNWLA KVNTQ IDL IREKMKKALENQA EEA TKA	745
A6_FJ981696	-NKVLT VQT IDNALS KRNEKWD EYKY IVTNWLA KVNTQ IDL IREKMKKALENQA EEA TKA	745
A1_A5HZZ9	-NKVLT VQT IDNALS KRNEKGEVYKY IVTNWLA KVNTQ IDL IREKMKKALENQA EEA TKA	745
A5_EU679004	-NKVLT VQT INNALS KRNEKWD EYKY IVTNWLA KVNTQ IDL IREKMKKALENQA EEA TRA	741
A3_DQ185900	-NKVLT VQT INNALS KRNEKWD EYKY IVTNWLA KVNTQ IDL IREKMKKALENQA EEA TKA	745
A2_X73423	-NKVLT VQT IDNALS KRNEKWD EYKY IVTNWLA KVNTQ IDL IREKMKKALENQA EEA TKA	745
A8_KM233166	-RDKDKI IKT IDNALNVRDQWKEL YRWVWSKWLTTINTQFNKRKEQMYKALKNQATAIKK	731
H_KGO15617	DNKNKV IKA INNAL KERDEKWEVYSFIVSNWITKINTQFNKRKEQMYQALQNQVNAIKT	717
E9_JX424534	DNKNKI IKA INNAL KERDEKWEVYSFIVSNWITKINTQFNKRKEQMYQALQNQVNAIKT	720
E12_KM370319	DNKNKV IKA INNAL KERDENKWEVYSFIVSNWMTKINTQFNKRKEQMYQALQNQVNAIKT	717
E11_KF861875	DNKNKV IKA INNAL KERDEKWEVYSFIVSNWMTKINTQFNKRKEQMYQALQNQVNAIKT	717
E10_KF861917	DNKNKV IKA INNAL KERDEKWEVYSFIVSNWMTKINTQFNKRKEQMYQALQNQVNAIKT	717
E7_JN695729	DNKNKV IKA INNAL KERDEKWEVYSFIVSNWMTKINTQFNKRKEQMYQALQNQVNAIKT	717
E8_JN695730	DNKNKV IKA INNAL KERDEKWEVYSFIVSNWMTKINTQFNKRKEQMYQALQNQVNAIKT	717
E5_AB037711	DNKNKV IKA INNAL KERDEKWEVYSFIVSNWMTKINTQFNKRKEQMYQALQNQVNAIKT	717
E6_AM695759	DNKNKV IKA INNAL KERDEKWEVYSFIVSNWMTKINTQFNKRKEQMYQALQNQVNAIKT	717
E4_AB088207	DNKNKV IKA INNAL KERDEKWEVYSFIVSNWMTKINTQFNKRKEQMYQALQNQVNAIKT	717
E3_EF028403	DNKNKV IKA INNAL KERDEKWEVYSFIVSNWMTKINTQFNKRKEQMYQALQNQVNAIKT	717
E1_Q00496	DNKNKV IKA INNAL KERDEKWEVYSFIVSNWMTKINTQFNKRKEQMYQALQNQVNAIKT	717
E2_EF028404	DNKNKV IKA INNAL KERDEKWEVYSFIVSNWMTKINTQFNKRKEQMYQALQNQVNAIKT	717
F7_GU213233	DSKNKI IKA INNAL RERELKWEVYSWIVSNWLTRINTQFNKRKEQMYQALQNQV DGIKK	726
F5_GU213211	ENKNKI IKA INNSLIEREAKWKEIYSWIVSNWLTRINTQFNKRKEQMYQALQNQVDAIKT	733
F1_Q57236	ENKNKI IKA INNSLMERETKWKEIYSWIVSNWLTRINTQFNKRKEQMYQALQNQVDAIKT	736
F4_GU213214	KNEDKI IKA INNSLIEREAKWKEVYSWIVSNWLTRINTQFNKRKEQMYQALQNQVDAIKT	736
F2_GU213209	ENKNKA IKA INNSLIEREAKWKEIYSWIVSNWLTRINTQFNKRKEQMYQALQNQVDAIKT	736
F3_GU213227	ENKNKA IKA INNALIEREAKWKEIYSWIVSNWLTKINTQFNKRKEQMYQALQNQVDAIKT	736
F6_M92906	ENKNKA IKA INNSLIEREAKWKEIYSWIVSNWLTRINTQFNKRKEQMYQALQNQVDAIKT	735
T_P04958	-QKEKI IKT IDNFLEKRYEKWIEVYKLVKAKWLGTVNTQFKRSYQMYRSLEYQVDAIKK	754
	.. : : : : * * * * : * : * : * : *	

D	P19321	KIDLEYKKGSGDKENI--KSQVENLKNLSLDVKISEAMNNINKFIRECSVTYLFKNMLPK	794
DC	AB745660	KIDLEYKKGSGDKENI--KSQVENLKNLSLDVKISEAMNNINKFIRECSVTYLFKNMLPK	794
C1	P18640	KIDLEYKKGSGDKENI--KSQVENLKNLSLDVKISEAMNNINKFIRECSVTYLFKNMLPK	798
CD	AB200360	KIDLEYKKGSGDKENI--KSQVENLKNLSLDIKISEAMNNINKFIRECSVTYLFKNMLPK	798
G	Q06393	IIEDQYNRYSEEDKMNI--NIDFNIDDFKLNQNSINLAINNIDDFINQCSISYLMNRMIPL	795
B4	EF051570	IIKYKYNRYSEEEKSNII--NINFNDINSKLNDBGINQAAMDNIINDFINECSVSYLMMKKMIPL	790
B8	JQ964806	IIKYKYNRYSEKEKSNII--SIDFNDINSKLNNEGINGQAIDNIINDFINECSVSYLMMKKMIPL	790
B7	JQ354985	IIKYKYNRYSEKEKLNII--NIDFNDINSKLNNEGINGQAIDNIINNFINECSVSYLMMKKMIPL	790
B6	AB302852	IIKYKYNRYSEKEKSNII--NIDFNDINSKLNNEGINGQAIDNIINNFINECSVSYLMMKKMIPL	790
B2	AB084152	IIKYKYNRYSEKEKSNII--NIDFNDINSKLNNEGINGQAVDNIINNFINECSVSYLMMKKMIPL	790
B3	EF028400	IIKYKYNRYSEKEKSNII--NIDFNDINSKLNNEGINGQAIDNIINNFINECSVSYLMMKKMIPL	790
B1	B1INP5	IIKYKYNRYSEKEKSNII--NIDFNDINSKLNNEGINGQAIDNIINNFINECSVSYLMMKKMIPL	790
B5	EF033130	IIKYRNYRYSEKEKSNII--NIDFNDINSKLNNEGINGQAIDNIINNFINECSVSYLMMKKMIPL	790
A4	EU3411307	IIKYKYNRYSEKERSNII--NIDFNDVNSKLNNEGINGQAIDNIINNFINECSVSYLMMKKMIPL	790
A7	JQ954969	IINYQNRYTTEEEKNNII--NFNIDDLSSKLNESINSAMININKFLDQC SVSYLMNSMIPY	803
A6	FJ981696	IINYQNRYTTEEEKNNII--NFNIGDLSKLNDSINKAMININKFLDQC SVSYLMNSMIPQ	803
A1	A5HZZ9	IINYQNRYTTEEEKNNII--NFNIDDLSSKLNESINSAMININKFLDQC SVSYLMNSMIPY	803
A5	EU679004	IINYQNRYTTEEEKNNII--NFNIDDLSSKLNESINSAMININKFLNQCS VSYLMMNSMIPY	803
A3	DQ185900	IINYQNRYTTEEEKNNII--NFNIDDLSSKLNRSINRAMININKFLDQC SVSYLMNSMIPY	799
A2	X73423	IINYQNRYTTEEEKNNII--NFNIDDLSSKLNESINSAMININKFLDQC SVSYLMNSMIPY	803
A8	KM233166	IINYQNRYTTEEEKNNII--NFNIDDLSSKLNESINSAMTNINKFLDQC SVSYLMNSMIPY	803
H	KGO15617	I I ENKYNNTYTDEKSKIDSSYNINEIERTLNEKINLAMKNIEQFITESSIAYLINI INNE	791
E9	JX424534	IIESKYSYTTLEEKNELTNKYDIEQIENELNQKVSIAMNIDRFLTETESSISYLMKLIN EV	777
E12	KM370319	IIESKYSYTTLEEKNELTNKYDIKQIENELNQKVSIAMNIDRFLTETESSISYLMKLIN EV	780
E11	KF861875	IIESKYSYTTLEEKNELTNKYDIEQIENELNQTVSIAMNNIEIFLTETESSISYLMKLIN EV	777
E10	KF861917	IIESKYSYTTLEEKNELTNKYDIEQIENELNQKVSIAMNNIEIFLTETESSISYLMKLIN EV	777
E7	JN695729	IIESKYSYTTLEEKNELTNKYDIKQIENELNQKVSIAMNIDRFLTETESSISYLMKLIN EV	777
E5	JN695730	IIESKYSYTTLEEKNELTNKYDIEQIENELNQKVSIAMNNIEIFLTETESSISYLMKLIN EV	777
E6	AM695759	IIEFKYSYTTLEEKKELNNYDIEQIENELNQKVSIAMNIDRFLTETESSISYLMKLIN EV	777
E4	AB088207	IIESKYSYTTLEEKNELTNKYDIEQIENELNQKVSIAMNIDRFLTETESSISYLMKLIN EV	777
E3	EF028403	IIESKYSYTTLEEKNELTNKYDIKQIENELNQKVSIAMNIDRFLTETESSISYLMKLIN EV	777
E1	Q00496	IIESKYSYTTLEEKNELTNKYDIKQIENELNQKVSIAMNIDRFLTETESSISYLMKLIN EV	777
E2	EF028404	IIESKYSYTTLEEKNELTNKYDIKQIENELNQKVSIAMNIDRFLTETESSISYLMKLIN EV	777
F7	GU213233	I IEYKYNNTYTLDEKNRLKA EYNIYSIKEEELNKKVSLAMQNIDRFLTETESSISYLMKLIN EA	786
F5	GU213211	AI EYKYNNTYTSDEKNRLESEYNINNIEEELNKKVSLAMKNIERFITETESSISYLMKLIN EA	793
F1	Q57236	VIEYKYNNTYTSDEKNRLESEYNINNIR EEELNKKVSLAMENIERFITETESSIFYLMKLIN EA	796
F4	GU213214	VIEYKYNNTSDEKNRLESEYNINNIEEELNKKVSLAMKNIERFI AESSISYLMKLIN EA	796
F2	GU213209	AI EYKYNNTSDEKNRLESKYNNINNIEEELNKKVSLAMKNIERFM TESSISYLMKLIN EA	796
F3	GU213227	AI EYKYNNTSDEKNRLESEYNINNIEEELNKKVSLAMKNIERFM TESSISYLMKLIN EA	796
F6	M92906	AI EYKYNNTSDEKNRLESEYNINNIEEELNKKVSLAMKNIERFM TESSISYLMKLIN EA	795
T	P04958	I IDYEYKIYSGPDKEQI--ADEINN LKNKLEEKANKAMININIFMRSSRSFLVNQMINE	812

D_P19321
 DC_AB745660
 C1_P18640
 CD_AB200360
 G_Q060393
 B4_EF051570
 B8_JQ964806
 B7_JQ354985
 B6_AB302852
 B2_AB084152
 B3_EF028400
 B1_B1INP5
 B5_EF033130
 A4_EU3411307
 A7_JQ954969
 A6_FJ981696
 A1_A5HZZ9
 A5_EU679004
 A3_DQ185900
 A2_X73423
 A8_KM233166
 H_KG015617
 E9_JX424534
 E12_KM370319
 E11_KF861875
 E10_KF861917
 E7_JN695729
 E5_JN695730
 E6_AB037711
 E6_AM695759
 E4_AB088207
 E3_EF028403
 E1_Q00496
 E2_EF028404
 F7_GU213233
 F5_GU213211
 F1_Q57236
 F4_GU213214
 F2_GU213209
 F3_GU213227
 F6_M92906
 T_P04958

D_P19321	KDIINEYFN <u>INDSK</u> ILSLQNKK--NALVDTSGYNAEVRVGDNVQL-NTIYTNDFKLSSS	910
DC_AB745660	KDMINEYFN <u>INDSK</u> ILSLQNKK--NTLMDTSGYNAEVRVEGNVQL-NPIFFDFKLSSS	910
C1_P18640	KDIINEYFN <u>INDSK</u> ILSLQNRK--NTLVDTSGYNAEVRSEEGVQL-NPIFFDFKLSSS	914
CD_AB200360	KDIINEYFN <u>INDSK</u> ILSLQNKK--NALVDTSGYNAEVRLEGDVQV-NTIYTNDFKLSSS	914
G_Q60393	IQVFNMYIS <u>NISSNA</u> ILSLYRG--GRLLDSSGYGATMNVGSDVIF-NDIGNQGFKLNNIS	911
B4_EF051570	IKIFNKYNS <u>IELNNI</u> ILNLRYRD--NNLLDLSGYGAKVEYVDGVEL-ND--KNQFKLTTSS	904
B8_JQ964806	IKMVNKYNS <u>IELNNI</u> ILNLRYRD--NNLLDLSGYGANVEYVDGVEL-ND--KNQFKLTTSS	904
B7_JQ354985	ITEMVKNYNS <u>IELNNI</u> ILNLRYRD--NNLLDSSGYGAKVEYVNGVEL-ND--KNQFKLTTSS	904
B6_AB302852	IEIFKKYNS <u>IELNNI</u> ILNLRYRD--NNLLDLSGYGANVEYVDGVEL-ND--KNQFKLTTSS	904
B2_AB084152	IEIFNKYNS <u>IELNNI</u> ILNLRYRD--NNLLDLSGYGANVEYVDGVEL-ND--KNQFKLTTSS	904
B3_EF028400	IEIFNKYNS <u>IELNNI</u> ILNLRYRD--NNLLDLSGYGAKVEYVNGVEL-ND--KNQFKLTTSS	904
B1_B1INP5	ITEMFNKYN <u>SELNNI</u> ILNLRYKD--NNLLDLSGYGAKVEYVDGVEL-ND--KNQFKLTTSS	904
B5_EF033130	IEIFNKYNSD <u>ILNNI</u> ILNLRYRD--NKLLDLSGYGAKVEYVDGVEL-ND--KNQFKLTTSS	904
A4_EU341307	LSTFTEYIKN <u>ITNAS</u> ILSLVYKD--DDLIDLSRYGAELYNGDKVYY-NSIDKNQIRLNL	919
A7_JQ954969	LSTFTEYIKN <u>INTS</u> ILNLRYES--NHLIDLSRYASKINIGSRVNF-DPIDKNQIQLFNL	919
A6_FJ981696	LSTFTEYIKN <u>INTS</u> ILSLRYEN--NHLIDLSRYASKINIGSRVNF-DPIDKNQIQLFNL	919
A1_A5HZZ9	LSTFTEYIKN <u>INTS</u> ILNLRYES--NHLIDLSRYASKINIGSKVNF-DPIDKNQIQLFNL	919
A5_EU679004	LSTFTEYIKN <u>INTS</u> ILNLRYES--NHLIDLSRYASEINIGSKVNF-DPIDKNQIQLFNL	919
A3_DQ185900	LSTFTEYIKN <u>INTS</u> ILSLVYKK--DDLIDLSRYGAKINIGDRVYY-DSIDKNQIKLNL	915
A2_X73423	LSTFTEYIKN <u>INTS</u> ILSLVYKK--DDLIDLSRYGAKINIGDRVYY-DSIDKNQIKLNL	919
A8_KM233166	LSTFTEYIKN <u>INTS</u> ILSLVVDKD-GRLLDLSRYGAELYNGDKVSY-NSIDKNQIKLNL	920
H_KG015617	IRYFNKNY <u>GELKYN</u> ILNLIKEMDRDKLVDSGYSRINIGTVKF-SEIDKNQVQLSNL	909
E9_JX424534	ISYFNKFFK <u>TIKSSS</u> VLNMRYN--DKYIDTSGYDSNININGDVFI-YPTNKNQFGIYNS	893
E12_KM370319	ISYFNKFFK <u>RIKSSS</u> VLNMRYN--DKVVDTSYDSNINININGEIFI-YPTNKNQFSIFNS	896
E11_KF861875	ISYFNKFFK <u>TIKSSS</u> VLNMRYN--DKYIDTSGYDSNINININGEIFI-YPTNKNQFGIYNN	893
E10_KF861917	ISYFNKFFK <u>RIKSSS</u> VLNMRYN--DKVVDTSYDSNINININGDVYK-YPTNKNQFGIYND	893
E7_JN695729	ISYFNKFFK <u>RIKSSS</u> VLNMRYN--DKVVDTSYDSNINININGDVYK-YPTNKNQFGIYND	893
E8_JN695730	ISYFNKFFK <u>RIKSSS</u> VLNMRYN--DKVVDTSYDSNINININGDVYK-YPTNKNQFGIYND	893
E5_AB037711	ISYFNKFFK <u>RIKSSS</u> VLNMRYN--DKVVDTSYDSNINININGEIFI-YPTNKNQFTIFNS	893
E6_AM695759	ISYFNKFFK <u>RIKSSS</u> VLNMRYN--DKVVDTSYDSNINININGDVYK-YPTNKNQFGIYNN	893
E4_AB088207	ISYFNKFFK <u>RIKSSS</u> VLNMRYN--DKVVDTSYDSNINININGDVYK-YPTNKNQFGIYND	893
E3_EF028403	ISYFNKFFK <u>RIKSSS</u> VLNMRYN--DKVVDTSYDSNINININGDVYK-YPTNKNQFGIYND	893
E1_Q00496	ISYFNKFFK <u>RIKSSS</u> VLNMRYN--DKYVDTSYDSNINININGDVYK-YPTNKNQFGIYND	893
E2_EF028404	ISYFNKFFK <u>RIKSSS</u> VLNMRYN--DKYVDTSYDSNINININGDVYK-YPTNKNQFGIYND	893
F7_GU213233	ISYFNRFYK <u>RLIDSS</u> ILNMYEN--NRFIDSSGYGSNISINGDIYI-YSTNRNQFGIYSS	903
F5_GU213211	IIFYNRLYK <u>KIKDSS</u> ILDMRYEN--NKFIDISGYGSNISINGNVI-YSTNRNQFGIYDD	909
F1_Q57236	IIFYNRLYK <u>KIKDSS</u> ILDMRYEN--NKFIDISGYGSNISINGDVYI-YSTNRNQFGIYSS	912
F4_GU213214	IIFYNKLKYK <u>KIKDNC</u> ILDMRYEN--NKFIDISGYGSNISINGELIY-YTNRNQTIIYSG	912
F2_GU213209	IIFYNRLYK <u>KIKDSS</u> ILDMRYEN--NKFIDISGYGSNISINGNVI-YSTNRNQFGIYSG	912
F3_GU213227	IIFYNRLYK <u>KIKDSS</u> ILDMRYEN--NKFIDISGYGSNISINGNVI-YSTNRNQFGIYSD	912
F6_M92906	IIFYNRLYK <u>KIKDSS</u> ILDMRYEN--NKFIDISGYGSNISINGNVI-YSTNRNQFGIYNS	911
T_P04958	VDNEEDIDV <u>ILKKST</u> ILNLIDINN--DIISDISGFNSSVITYPDAQLVPGINGKAIHLVNN	928

958	GD--KIIVLNANNILYSAIYENSSVSFWIKISKDLT-----NSHNEYTIINSIEQ----
960	GDRGKVIVTQENIVNAMYESFSISFWIRINKWVS-----N-LPGYTIIDSVKN-----
964	GEDRGKVIVTQENIVNAMYESFSISFWIRINKWVS-----N-LPGYTIIDSVKN-----
962	GD--KIIVLNANNILYSAIYENSSVSFWIKISKDLT-----NSHNEYTIINSIKQ----
965	EN--SNITAHQSKFVYDSMFDFNSINFWVRTPKYNNNDIQTYLQNEYTYIISCIGN-----
958	AD--SKIRVTQONQIIFNSMFLDFSVSFWIRIPKYRNDIDIQNYIHNEYTIINCMKN-----
958	TN--SEIRVTQONQIIFNSMFLDFSVSFWIRIPKYKNDGIQNYIHNEYTIINCMKN-----
958	AN--SKIKVTQONQITFNSMFLDFSVSFWIRIPKYKNDGIQNYIHNEYTIINCMKN-----
958	TN--SEIRVTQONQIIFNSMFLDFSVSFWIRIPKYKNDGIQNYIHNEYTIINCMKN-----
958	TN--SEIRVTQONQIIFNSMFLDFSVSFWIRIPKYKNDGIQNYIHNEYTIINCMKN-----
958	AN--SKIRVTQONQIIFNSMFLDFSVSFWIRIPKYKNDGIQNYIHNEYTIINCMKN-----
958	AN--SKIRVTQONQIIFNSVFLDFSVSFWIRIPKYKNDGIQNYIHNEYTIINCMKN-----
958	AN--SKIRVIQONQIIFNSMFLDFSVSFWIRIPKYKNDGIQNYIHNEYTIINCMKN-----
970	ES--STIEVILKKAIVNMYENFSTFSWIRIPKYFN-SI--SLNNEYTIINCMEN-----
970	ES--SKIEVILKKAIVNMYENFSTFSWIKIPKYS-KI--NLNNEYTIINCIEN-----
970	ES--SKIEVILKKAIVNMYENFSTFSWIKIPKYS-EI--SLNNEYTIINCIEN-----
970	ES--SKIEVILKKAIVNMYENFSTFSWIRIPKYFN-SI--SLNNEYTIINCMEN-----
970	ES--SKIEIILKKAIVNMYENFSTFSWIKIPKYS-KI--NLNNEYTIINCIEN-----
966	ES--STIEVILKKAIVNMYENFSTFSWIKIPKYS-KI--NLNNEYTIINCIEN-----
970	ES--STIEVILKKAIVNMYENFSTFSWIKIPKYS-KI--NLNNEYTIINCIEN-----
971	ES--SAIEVILKKAIVNMYENFSTFSWIKIPKYS-KI--NLNNEYTIINCIEN-----
958	ES--SKIEVILNNGVIYNMYENFSTFSWIRIPKYFR-----NINNEYKISCMQN-----
946	KL--SEVNISQNDYIIYDNKYKNFSISFWVRIPYNNKIV--NVNNEYTIINCMRDN----
949	KP--SEVNISQNDYIIYDNKYKNFSISFWVRIPYDNKIV--NVNNEYTIINCMRDN----
946	KL--SEVNISQNDYIIYDNKYKNFSISFWVRIPYDNKIV--NVNNEYTIINCMRDN----
946	KL--SEVNISQNDYIIYDNKYKNFSISFWVRIPYDNKIV--NVNNEYTIINCMRDN----
946	KL--SEVNISQNDYIIYDNKYKNFSISFWVRIPYDNKIV--NVNNEYTIINCMRDN----
946	KL--SEVNISQNDYIIYDNKYKNFSISFWVRIPYDNKIV--NVNNEYTIINCMRDN----
946	KL--SEVNISQNDYIIYDNKYKNFSISFWVRIPYDNKIV--NVNNEYTIINCMRDN----
946	KL--SEVNISQNDYIIYDNKYKNFSISFWVRIPYDNKIV--NVNNEYTIINCMRDN----
946	KL--SEVNISQNDYIIYDNKYKNFSISFWVRIPYDNKIV--NVNNEYTIINCMRDN----
946	KL--SEVNISQNDYIIYDNKYKNFSISFWVRIPYDNKIV--NVNNEYTIINCMRDN----
946	KL--SEVNISQNDYIIYDNKYKNFSISFWVRIPYDNKIV--NVNNEYTIINCMRDN----
955	RL--SEVNIQNTNTIINYNSRYQNFVSFWVRIPKYNN-LK--NLNNEYTIINCMRNN-----
964	RL--SEVNIQAQNNDIINYNSRYQNFVSFWVRIPKHYR-PM--NHNREYTIINCMGNN-----
964	KP--SEVNIQAQNNDIINYNGRYQNFVSFWVRIPKYFN-KV--NLNNEYTIIDCIRNN-----
964	KL--SEVNIQAQNNDIINYNSRYQNFVSFWVRIPRYSN-IV--NLNNEYTIINCMGNN-----
964	RL--SEVNIQAQNNDIINYNSRYQNFVSFWVRIPKHYR-PM--NRNREYTIINCMGNN-----
964	RL--SEVNIQAQNNDIINYNSRYQNFVSFWVRIPKHYG-PM--NRNREYTIINCMGNN-----
963	RL--SEVNIQAQNNDIINYNSRYQNFVSFWVRIPKHYK-PM--NHNREYTIINCMGNN-----
986	ES--SEVIVHKAMDIEYNDMFNNFTVSFWLVRVPKVSASHLEQYGTNEYYSIISSMKKHSLS

D	P19321	-NSGWKLCIRN----	GNIEWILQDVNRKYKSLIFDYSESLSHSGTYTNKWFFVTTINNIMG	1013
DC	AB745660	-NSGWSIGIIS----	NFLVFTLKQENSEQDINFSDISKNAAGY-NKWFFVTTITNNMGM	1014
C1	P18640	-NSGWSIGIIS----	NFLVFTLKQNEDESEQSINFSDISNNAPGY-NKWFFVTVTNNMGM	1018
CD	AB200360	-NSGWKLCIRN----	GNIEWILQDINRKYSKLIFDYSESLSHSGTYTNKWFFVTTINNIMG	1017
G	Q03093	-DSGWKVSIGK----	NRIIWTLIDVNAKSKSIFFEYSIKDNI SDYINKWFSITITNDRLG	1020
B4	EF051570	-NSGWKISIRG----	NRIIWTLIDINGKTKSVFFEYNIREDIS EYINRWFFVTTITN-NLD	1012
B8	JQ964806	-NSGWKISIRG----	NRIIWTLIDINGKTKSVFFEYSIRKDVSEYINRWFFVTTITN-NLD	1012
B7	JQ354985	-NSGWKISIRG----	NRIIWTLTDINGKTKSVFFEYSIREDISDYINRWFFVTTITN-NLD	1012
B6	AB302852	-NSGWKISIRG----	NRIIWTLTDINGKTKSVFFEYSIREDISDYINRWFFVTTITN-NSD	1012
B2	AB084152	-NSGWKISIRG----	NRIIWTLTDINGKTKSVFFEYSIREDISDYINRWFFVTTITN-NSD	1012
B3	EF028400	-NSGWKISIRG----	NKI IWTLTDINGKTKSVFFEYSIRKDVSEYINRWFFVTTITN-NSD	1012
B1	B1INP5	-NSGWKISIRG----	NRI IWTLTDINGKTKSVFFEYNIREDIS EYINRWFFVTTITN-NLN	1012
B5	EF033130	-NSGWKISIRG----	NMI IWTLIDINGKTKSVFFEYSIKEDIS EYINRWFFVTTITN-NSD	1012
A4	EU3411307	-NSGWKVSILNY----	GEI IWTFQDTQEIQRVVFKYSQMINI SDYINRWIFVTTITNNRIT	1025
A7	JQ954969	-NSGWKVSILNY----	GEI IWTLQDNEQNIQRVVFKYSQMVNISDYINRWIFVTTITNNRIT	1025
A6	FJ981696	-NSGWKVSILNY----	GEI IWTLQDNKQNIQRVVFKYSQMVASIDYINRWIFITITNNRIT	1025
A1	A5HZZ9	-NSGWKVSILNY----	GEI IWTLQDTQEIQRVVFKYSQMINISDYINRWIFVTTITNNRLN	1025
A5	EU679004	-NSGWKVSILNY----	GEI IWTLQDNKQNIQRVVFKYSQMVASIDYINRWIFITITNNRLN	1025
A3	DQ185900	-NSGWKVSILNY----	GEI IWTLQDNKQNIQRVVFKYSQMVNISDYINRWMFVTTITNNRIT	1021
A2	X73423	-NSGWKVSILNY----	GEI IWTLQDNKQNIQRVVFKYSQMVNISDYINRWIFVTTITNNRIT	1025
A8	KM233166	-NSGWKVSILNY----	GEI IWTLQDNQNIQRVVFKYSQMVNISDYINRWIFVTTITNNRLD	1026
H	KGO15617	-NSGWEVSLNFSNMNSKI	IWTLQDTGKIKTVVQYQTONINISDYINRWIFVTTITNNRLS	1017
E9	JX424534	-NSGWKISILNH----	NEI IWTLQDNAGINQKLVFKYGNANGISDYINKWIFVTTITNDRLG	1001
E12	KM370319	-NSGWKVSILNH----	NEI IWTLQDNAGINQKLAFNYSNGISDYINKWIFVTTITNDRLG	1004
E11	KF861875	-NSGWKVSILNH----	NEI IWTLQDNAGINQKLVFKYGNANGISDYINKWIFVTTITNDRLG	1001
E10	KF861917	-NSGWKVSILNH----	NEI IWTLQDNAGINQKLAFNYSNGANGISDYINKWIFVTTITNDRLG	1001
E7	JN695729	-NSGWKVSILNH----	NEI IWTLQDNAGINQKLAFNYSNGANGISDYINKWIFVTTITNDRLG	1001
E8	JN695730	-NSGWKVSILNH----	NEI IWTLQDNAGINQKLAFNYSNGANGISDYINKWIFVTTITNDRLG	1001
E5	AB037711	-NSGWKVSILNH----	NEI IWTLQDNARINQKLVFKYGNANGISDYINKWIFVTTITNDRLG	1001
E6	AM695759	-NSGWKVSILNH----	NEI IWTLQDNSGINQKLAFNYSNGANGISDYINKWIFVTTITNDRLG	1001
E4	AB088207	-NSGWKVSILNH----	NEI IWTLQDNSGINQKLAFNYSNGANGISDYINKWIFVTTITNDRLG	1001
E3	EF028403	-NSGWKVSILNH----	NEI IWTLQDNAGINQKLAFNYSNGANGISDYINKWIFVTTITNDRLG	1001
E1	Q00496	-NSGWKVSILNH----	NEI IWTLQDNAGINQKLAFNYSNGANGISDYINKWIFVTTITNDRLG	1001
E2	EF028404	-NSGWKVSILNH----	NEI IWTLQDNAGINQKLAFNYSNGANGISDYINKWIFVTTITNDRLG	1001
F7	GU213233	-NSGWKISILNY----	NNI IWTLQDTGNQKLVFNFTQ MIDISDYINKWTFVTTITNNRLG	1010
F5	GU213211	-NSGWKISLRTTG-	DCEI IWTLQDTSGNKKKLI FRYSQLGGISDYINKWIFVTTITNNRLG	1019
F1	Q57236	-NSGWKISILNY----	NKI IWTLQDTAGNNQKLVFNFTQ MISIDYINKWIFVTTITNNRLG	1019
F4	GU213214	-NSGWKISILNY----	NKI IWTLQDTAGNNEKLVFNFTQ MISIDYINKWIFVTTITNNRLG	1019
F2	GU213209	-NSGWKISLRTIR-	DCEI IWTLQDTSGNKEKLI FRYEELASISDYINKWIFVTTITNNRLG	1022
F3	GU213227	-NSGWKISLNRIR-	DCEI IWTLQDTSGNKEKLI FRYEELANISDYINKWIFVTTITNNRLG	1022
F6	M92906	-NSGWKISLRTVR-	DCEI IWTLQDTSGNKENLI FRYEELNRISNYINKWIFVTTITNNRLG	1021
T	P04958	IGSGWSVSLKG----	NNLI IWTLKDSAGEVRQITFRDL PDKFNAYLANWKWFITITNDRLS	1042
		*****: : : : : : : : : : *	***: : : : : *	

D_P19321	YMKLYINGELKQSQIEDLDDEVKLDKTIIVFGIDE-----NIDENQMLWIRDFNIFSK	1065
DC_AB745660	NMMIYINGKLLIDITIKVKELTGINFSKTITFQMNKIPNTGLITSDSDNINMWIRDFYIFAK	1074
C1_P18640	NMKIYINGKLLIDITIKVKELTGINFSKTITFEINKIPDTGLITSDSDNINMWIRDFYIFAK	1078
CD_AB200360	YMKLYINGELKQSERIEDLDDEVKLDKTIIVFGIDEN-----IDENQMLWIRDFNIFSK	1069
G_Q60393	NANIYINGSLKKSEKILNLDRISSNDIDFKLINC-----TDTTKFVWIKDFNIFGR	1072
B4_EF051570	NAKIYINGTLESNMDIKDIGEVIVNGEITFKLDGD-----VDRQTQFIWMKYFSIFNT	1064
B8_JQ964806	NAKIYINGKLESNMDIRDIRREVIANGEIIFKLDGD-----IDRTQFIWMKYFSIFNT	1064
B7_JQ354985	NAKIYINGKLESNIDIRDIRREVIVNGEIIIFKLDGE-----IDRTQFIWMKYFSIFNT	1064
B6_AB302852	NAKIYINGKLESNIDIKDIGEVIANGEIIFKLDGD-----IDRTQFIWMKYFSIFNT	1064
B2_AB084152	NAKIYINGKLESNIDIKDIGEVIANGEIIFKLDGD-----IDRTQFIWMKYFSIFNT	1064
B3_EF028400	NAKIYINGKLESNIDIKDIGEVIANGEIIFKLDGD-----IDRTQFIWMKYFSIFNT	1064
B1_B1INP5	NAKIYINGKLESNTDIKDIRREVIANGEIIFKLDGD-----IDRTQFIWMKYFSIFNT	1064
B5_EF033130	NAKIYINGKLESHIDIRDIRREVIANDEIIFKLDGN-----IDRTQFIWMKYFSIFNT	1064
A4_EU341307	KSKIYINGRLIDQKPI SNLGNIHASNKIMFKLDGC-----RDPHRYIVIKYFNLFDK	1077
A7_JQ954969	KSKIYINGRLIDQKPI SNLGNIHASNKIMFKLDGC-----RDPHRYILIKYFNLFDK	1077
A6_FJ981696	KSKIYINGRLIDQKPI SNLGNIHASNKIMFKLDGC-----RDPHRYIMIKYFNLFDK	1077
A1_A5HZZ9	NSKIYINGRLIDQKPI SNLGNIHASNNIMFKLDGC-----RDTHRYIWIKYFNLFDK	1077
A5_EU679004	NSKIYINGRLIDQKPI SNLGNIHASNNIMFKLDGC-----RDPHRYIWIKYFNLFDK	1077
A3_DQ185900	KSKIYINGRLIDQKPI SNLGNIHASNKIMFKLDGC-----RDPHRYIMIKYFNLFDK	1073
A2_X73423	KSKIYINGRLIDQKPI SNLGNIHASNKIMFKLDGC-----RDPHRYIMIKYFNLFDK	1077
A8_KM233166	KSKIYINGRLIDQKPI SNLGNIHASNNIMFKLDGC-----RDPHRYIVIKYFNLFDK	1078
H_KG015617	NSKIYINGRLINEESISDLGNIHASNNIMFKLDGC-----RDPHRYIWIKYFNLFDK	1069
E9_JX424534	YSKLYINGHLIDQKSI LNGLNIHVSDNIFLKIIVNC-----SY-TRYIGMRYFNIFDK	1052
E12_KM370319	DSKLYINGNLIDQKSI LNGLNIHVSDNIFLKIIVNC-----SY-TRYIGIRYFNIFDK	1055
E11_KF861875	DSKLYINGNLIDKKSILNGLNIHVSDNIFLKIIVNC-----SY-TRYIGMRYFNIFDK	1052
E10_KF861917	DSKLYINGNLIDKKSILNGLNIHVSDNIFLKIIVNC-----SY-TRYIGMRYFNIFDK	1052
E7_JN695729	DSKLYINGNLIDQKSI LNGLNIHVSDNIFLKIIVNC-----SY-TRYIGIRYFNIFDK	1052
E8_JN695730	DSKLYINGNLIDKKSILNGLNIHVSDNIFLKIIVNC-----SY-TRYIGIRYFNIFDK	1052
E5_AB037711	DSKLYINGHLIDQKSI LNGLNIHVSDNIFLKIIVNC-----SY-TRYIGIRYFNIFDK	1052
E6_AM695759	DSKLYINGNLIDKKSILNGLNIHVSDNIFLKIIVNC-----SY-TRYIGIRYFNIFDK	1052
E4_AB088207	DSKLYINGNLIDKKSILNGLNIHVSDNIFLKIIVNC-----SY-TRYIGIRYFNIFDK	1052
E3_EF028403	DSKLYINGNLIDQKSI LNGLNIHVSDNIFLKIIVNC-----SY-TRYIGIRYFNIFDK	1052
E1_Q00496	DSKLYINGNLIDQKSI LNGLNIHVSDNIFLKIIVNC-----SY-TRYIGIRYFNIFDK	1052
E2_EF028404	DSKLYINGNLIDQKSI LNGLNIHVSDNIFLKIIVNC-----SY-TRYIGIRYFNIFDK	1052
F7_GU213233	HSKLYINGNLTDQKSI LNGLNIHVDDNIFLKIIVGC-----ND-TRYVVGIRYFKIFNM	1061
F5_GU213211	NSRIYINGNLIIVEKSI SNLGDHIVSDNIFLKIIVGC-----DD-KMVVGIRYFKVFNMT	1070
F1_Q57236	NSRIYINGNLIDEKSI SNLGDHIVSDNIFLKIIVGC-----ND-TRYVVGIRYFKVFDIT	1070
F4_GU213214	NSRIYINGNLTDQKSI SNLGDHIVSDNIFLKIIVGC-----ND-TRYVVGIRYFKVFDIT	1070
F2_GU213209	NSRIYINGNLIIVEKSI SNLGDHIVSDNIFLKIIVGC-----DD-ETVVGIRYFKVFNT	1073
F3_GU213227	NSRIYINGNLIIVEKSI SNLGDHIVSDNIFLKIIVGC-----DD-KTVVGIRYFKVFNT	1073
F6_M92906	NSRIYINGNLIIVEKSI SNLGDHIVSDNIFLKIIVGC-----DD-ETVVGIRYFKVFNT	1072
T_P04958	SANLYINGVLMGSAEITGLGAIREDNNTITLKLDR-----NNNNQYVSDIKFRIFCK	1094
	: **** * : : : . . * : : : : *	

D_P19321	-----LVQYPPDRSKLYTGNPITIKSVS-----DKNPYSRIILNGDNII-LHMLYNS-RKY	1166
DC_AB745660	-----FNTRKNNDNFNEGKIIKKRII-----GNTNDTRVR-GENVLYFNTTIDN-KQY	1175
C1_P18640	-----FNTRNNNDNFNEGKIIKKRII-----GNTNDTRVRGGDI-LYFDMTINN-KAY	1179
CD_AB200360	-----LVQYSDISKLYTKNPITIKSAA-----NKNPYSRIILNGDD-IMFHMILYDS-REY	1170
G_Q60393	-PRTNFN--NAAINYQNLYLGLRFIIKASNSRNINNDNIVREGDY-IYLNIDNISDESY	1186
B4_EF051570	-IRSKYNQNSYINYNRLYIGEKFIIIRKKSQSIN-DDIVRKEDY-IHLDFVNSN-EEW	1178
B8_JQ964806	-TRSKYNQNSQYINRDLYIGEKFIIIRKKSQSIN-DDIVRKEDY-IYLDFFNIN-QEW	1178
B7_JQ354985	-TRSKYNQNSYINYNRLYIGEKFIIIRKSSQSIS-DDIVRKEDY-IYLDFFNSN-REW	1178
B6_AB302852	-TRSKYNQNSYINYNRLYIGEKFIIIRKKSQSIN-DDIVRKEDY-IYLDFFNIN-QEW	1178
B2_AB084152	-TRSKYNQNSYINYNRLYIGEKFIIIRKKSQSIN-DDIVRKEDY-IYLDFFNSN-REW	1178
B3_EF028400	-TRSKYNQNSYINYNRLYIGEKFIIIRKKSQSIN-DDIVRKEDY-IYLDFFNIN-QEW	1178
B1_B1INP5	-TRSKYNQNSKYINRDLYIGEKFIIIRKKSQSIN-DDIVRKEDY-IYLDFFNIN-QEW	1178
B5_EF033130	-TRSKYNQNSKYINRDLYIGEKFIIIRKKSQSIN-DDIVRKEDY-IYLDFFNIN-QEW	1178
A4_EU341307	GPRDNVMTNIIYLN-SSLYMGTKFIIKKYA---SGNKDNIVRNNDR-VYINVVKN-KEY	1191
A7_JQ954969	GPRGSVTTNIIYLN-SMLYMGTKFIIKKHA---SGNKDNIVRNNDR-VYINVLKN-KEY	1191
A6_FJ981696	GSRSTLLTNIYLN-SGLYMGTKFIIKKYA---SGNKDNIVRNNDR-VYINVVNN-KEY	1191
A1_A5HZZ9	GPRGSVMTNIIYLN-SSLYRGTKFIIKKYA---SGNKDNIVRNNDR-VYINVVKN-KEY	1191
A5_EU679004	GPRGSIVTTNIIYLN-SSLYMGTKFIIKKYA---SGNKDNIVRNNDR-VYINVVKN-KEY	1191
A3_DQ185900	GPRGSVMTNIIYLN-STLYMGTKFIIKKYA---SGNEDNIVRNNDR-VYINVVKN-KEY	1187
A2_X73423	GPRGSVTTNIIYLN-STLYEGTKFIIKKYA---SGNEDNIVRNNDR-VYINVVKN-KEY	1191
A8_KM233166	GPRGSVTTNIIYLN-STLYMGTKFIIKKYA---SGNKDNIVRNNDR-VYINVVKN-KEY	1192
H_KG015617	GPRGRIVTTNIIYLN-STLYMGTKFIIKKYA---SGNKDNIVRNNDR-VYINVVKN-KEY	1183
E9_JX424534	NNR-----NIVNGL-YRLYSGIKVKIQIN--DSDTRDNIVRDNDQ-VYVNYINGN-VYY	1159
E12_KM370319	NHR-----YIVNGL-YRLYSGIKVKIQRVN--DSSTNDQFVRKNDQ-VYINYIYNN-LSY	1162
E11_KF861875	NIR-----STIVLA-NRLYSGIKVKIQRVN--NSSTNDNIVRKNDQ-VYINFVASKTHLF	1160
E10_KF861917	NIR-----STIVLA-NKLYLGIKVKIQRVN--NSSTNDNIVRKNDQ-VYINFVPIKTHLF	1160
E7_JN695729	NIR-----STILLA-NRLYSGIKVKIQRVN--NSSTNDNIVRKNDQ-VYINFVASKTHLF	1160
E8_JN695730	NIR-----STILLA-NRLYSGIKVKIQRVN--NSSTNDNIVRKNDQ-VYINFVASKTHLF	1160
E5_AB037711	NIR-----STILLA-NRLYSGIKVKIQRVN--DSSTNDRFVRKNDQ-VYINYISNS-SSY	1159
E6_AM695759	NIR-----STILLA-NRLYSGIKVKIQRVN--NSSTNDNIVRKNDQ-VYINFVDSKTHLL	1160
E4_AB088207	NIR-----STILLA-NRLYSGIKVKIQRVN--NSSTNDNIVRKNDQ-VYINFVASKTHLL	1160
E3_EF028403	NIR-----STILLA-NRLYSGIKVKIQRVN--NSSTNDNIVRKNDQ-VYINFVASKTHLF	1160
E1_Q00496	NIR-----STILLA-NRLYSGIKVKIQRVN--NSSTNDNIVRKNDQ-VYINFVASKTHLF	1160
E2_EF028404	NIR-----STILLA-NRLYSGIKVKIQRVN--NSSTNDNIVRKNDQ-VYINFVASKTHLF	1160
F7_GU213233	RQRGYKTNIFSN-ARLYTGVEVIRKVGSTDTNTDNFVRKNDT-VYINVDGN-SEY	1174
F5_GU213211	HQRGVTKDLFIFSN-YKLYEGVEVIRKNGPIDIINTDNFVRKNDL-AYINVDHG-VEY	1183
F1_Q57236	QQRGVYQKPNIFSN-TRLTYTGVEVIRKNGSTDIINTDNFVRKNDL-AYINVDRD-VEY	1183
F4_GU213214	RARGVDRKANIFSN-KRLYKGVVEVIRKNEPIDIINTDNFVRKNDL-AYINVDRD-VEY	1183
F2_GU213209	QQRGVGTGGSVFLN-YKLYEGVEVIRKNAPIDIINTDNFVRKNDL-AYINVDHG-VEY	1186
F3_GU213227	QQRGVTEG-SVFLN-YKLYEGVEVIRKNGPIDIINTDNFVRKNDL-AYINVDHG-VEY	1185
F6_M92906	QQRGVTEG-SVFLN-YKLYEGVEVIRKNGPIDIINTDNFVRKNDL-AYINVDHG-VEY	1184
T_P04958	-NAPSYTNGKLNIIYRRLYNGLIKFIKKRYTPNNEI--DSFVKSGDF-IKLYVSYNNNEHI	1208

: . * : : .

D_P19321	MI-----IRDT--DTIYATQGGECSONCVYALKLQSNLG-NYG-IGIFSIIKIVSVKNKYC	1217
DC_AB745660	SLGMYKPSRNL--GTDLVPLGA-LDQ-----PMDEIR-KY---GSFIIQPCNTFDYYA	1221
C1_P18640	NL-----FMKN--ETMYADNHS---TEDIYAIGLEQTK-DINDNIIIFIQIPMNNYYA	1228
CD_AB200360	MI-----IRDT--DTIYATQGGQCKNCVYALKLQSNLG-NYG-IGIFSIIKIVSQNKYC	1221
G_Q60393	RVVVLVNSKEI--QTQL-----FLAPINDDP-TFYDVLQIK-KYYEKTTYNC	1229
B4_EF051570	RVYAYKNFKEQ--EQKL-----FLSIIYDSN-EFYKTIQIK-EYDEQPTYSC	1221
B8_JQ964806	RVYAYKDFKGQK-EQKL-----FLANIHDSN-EFYKTIQIK-EYDEQPTYSC	1222
B7_JQ354985	RVYAYKNFKGQE--EKIL-----FLANIYDSN-EFYKTIQIK-EYDEQPTYSC	1221
B6_AB302852	RVYALKNFKKKE--EKIL-----FLAPISDS-EFYNTIQIK-EYDEQPTYSC	1221
B2_AB084152	RVYAYKDFKEEE--KKL-----FLANIYDSN-EFYKTIQIK-EYDEQPTYSC	1221
B3_EF028400	RVYAYKDFKKKE--EKIL-----FLANIYDSN-EFYNTIQIK-EYDEQPTYSC	1221
B1_B1INP5	RVYTYKFKKEE--EKIL-----FLAPISDS-EFYNTIQIK-EYDEQPTYSC	1221
B5_EF033130	RVMYKYFKKEE--EKIL-----FLAPISDS-EFYNTIQIK-EYDEQPTYSC	1221
A4_EU341307	RLATNASQAGV--EKIL-----SALEIPDVG-NLSQVVMKSKNDQGITNKC	1235
A7_JQ954969	RLATNASQAGG--EKIL-----SAVEIPDVG-NLSQVVMKSKNDQGIRNKC	1235
A6_FJ981696	RLATNASQAGV--EKIL-----SALEIPDIG-NLSQVVMKSKNDQGIRNKC	1235
A1_A5HZZ9	RLATNASQAGV--EKIL-----SALEIPDVG-NLSQVVMKSKNDQGITNKC	1235
A5_EU679004	RLATNASQAGV--EKIL-----SVLEIPDVG-NLSQVVMKSKNDQGIRNKC	1235
A3_DQ185900	RLATNASQAGV--EKIL-----SALEIPDVG-NLSQVVMKSKDDQGIRNKC	1231
A2_X73423	RLATNASQAGV--EKIL-----SALEIPDVG-NLSQVVMKSKDDQGIRNKC	1235
A8_KM233166	RLATNALQAGV--EKIL-----SALEIPDVG-NLSQVVMKSKNDQGIRNKC	1236
H_KG015617	RLATNASQAGV--EKIL-----SAVEIPDVG-NLSQVVMKSENDQGIRNKC	1227
E9_JX424534	SLYADTNATNK--EKTI-----K--SSTSGNRFNQVVMN-----SVRNNC	1196
E12_KM370319	SLYADTNIKDK--EKTI-----K--SSLSGNIFNQVVMN-----SVGNCC	1199
E11_KF861875	PLYADTNTNK--EKTI-----K--SSSSGNRFNQVVMN-----SVGNCC	1197
E10_KF861917	PLYADTNTNK--EKTI-----K--SSSSGNRFNQVVMN-----SVGNCC	1197
E7_JN695729	PLYADTATNK--EKTI-----K--ISSSGNRFNQVVMN-----SVGNCC	1197
E8_JN695730	PLYADTNTNK--EKTI-----K--SSSSGNRFNQVVMN-----SVGNCC	1197
E5_AB037711	SLYADTNTTDK--EKTI-----K--SSSSGNRFNQVVMN-----SVGNCC	1196
E6_AM695759	PLYADTATNK--EKTI-----K--ISSSGNRFNQVVMN-----SVGNCC	1197
E4_AB088207	PLYADTATNK--EKTI-----K--ISSSGNRFNQVVMN-----SVGNCC	1197
E3_EF028403	PLYADTATNK--EKTI-----K--ISSSGNRFNQVVMN-----SVGNCC	1197
E1_Q00496	PLYADTATNK--EKTI-----K--ISSSGNRFNQVVMN-----SVGNCC	1197
E2_EF028404	PLYADTNTNK--EKTI-----K--SSSSGNRFNQVVMN-----SVGNCC	1197
F7_GU213233	QLYADVSTAV--EKTI-----KLRIISNSNYSNQMIIMD-----SIGDNC	1214
F5_GU213211	RLYADISITKP--EKTI-----KLIRSNPDDSLGQIIVMD-----SIGNCC	1223
F1_Q57236	RLYADISIAKP--EKII-----KLIRTSNNSNLGQIIVMD-----SIGNCC	1223
F4_GU213214	RLYANTSNAP--EKTI-----KLIRTSNDSLDQIIVMD-----SIGNCC	1223
F2_GU213209	RLYADISITKS--EKII-----KLIRTSNPNDSLGQIIVMD-----SIGNCC	1226
F3_GU213227	RLYADISITKP--EKII-----KLIRTSNPNDSLGQIIVMD-----SIGNCC	1225
F6_M92906	RLYADTKSEK-----E-----KIIRTSNLNDSLGQIIVMD-----SIGNCC	1220
T_P04958	VGYPKDGNAFNNLDRIL-----RVGYNAPGI-PLYKKMEAV-KLRDLKTYSV	1253

D_P19321	SQIFSSFRENTMLLA-----	DIYKPRF5FKNAYTPVAVTNYET	1256	
DC_AB745660	SQFLSSNATNRIGILSIGSYS-----	FKLGDDYWFNHEYLIPIVIEHYAS	1269	
C1_P18640	SQIFKSNFNGENISGICSIGTYR-----	FRLGGDW-YRHNLYLPTVKQGNyas	1275	
CD_AB200360	SQIFSSFMKNTMLL-ADIYKPR-----	FSFEN-----AYTPVAVTNYET	1260	
G_Q60393	QILCEKDTK--TFGLFGIGKFVKDYGVMWTDYDNYFCISQWYLRISE-----	NI	1277	
B4_EF051570	QLLFFKKDEESTDDIGLIGIHRFY-ESGVLKRYKDYFCISKWYLKEVKK-----	KP	1271	
B8_JQ964806	QLLFFKKDEESTDEIGLIGIHRFY-ESGVFQYKYFYFCISKWYLKEVKK-----	KP	1272	
B7_JQ354985	QLLFFKKDEESTDEIGLIGIHNFY-ESGILFKDYKDYFCISKWYLKEVKK-----	KP	1271	
B6_AB302852	QLLFFKKDEESTDEIGLIGIHRFY-ESGIVFKDYKYFYFCISKWYLKEVKK-----	KP	1271	
B2_AB084152	QLLFFKKDEESTDEIGLIGIHRFY-ESGIVLKDYNFYFCISKWYLKEVKK-----	KP	1271	
B3_EF028400	QLLFFKKDEESTDEIGLIGIHRFY-ESGIVFKDYKDYFCISKWYLKEVKK-----	KP	1271	
B1_B1INP5	QLLFFKKDEESTDEIGLIGIHRFY-ESGIVFEEYKDYFCISKWYLKEVKK-----	KP	1271	
B5_EF033130	QLLFFKKDEESTDEIGLIGIHRFY-ESGIVFEEYKDYFCISKWYLKEVKK-----	KP	1271	
A4_EU341307	QLLFFKKDEESTDEIGLIGIHRFY-ESGIVFKEYDYFCISKWYLKEVKK-----	KP	1271	
A7_JQ954969	KMNLQDNN--GNDIGFIFGHQFN-----	NIAKLVASNWNRYQIER-----	SS	1275
A6_FJ981696	KMNLQDNN--GNDIGFIFGHQFN-----	NIAKLVASNWNRYQIGK-----	TS	1275
A1_A5HZZ9	KMNLQDNN--GNDIGFIFGHQFN-----	DIYKLVASNWNRYQIEI-----	SS	1275
A5_EU679004	KMNLQDNN--GNDIGFIFGHQFN-----	NIAKLVASNWNRYQIER-----	SS	1275
A3_DQ185900	KMNLQDNN--GNDIGFVGFHLYD-----	NIDKLVASNWNRYQIER-----	SS	1275
A2_X73423	KMNLQDNN--GNDIGFIFHLYD-----	NIAKLVASNWNRYQVKG-----	AS	1271
A8_KM233166	KMNLQDNN--GNDIGFIFHLYD-----	NIAKLVASNWNRYQVKG-----	AS	1275
H_KG015617	KMNLQDNN--GNDIGLIGFHQFN-----	NIAKLVASNWNRYQVKG-----	AS	1276
E9_JX424534	KMNLQDNN--GNDIGFIFGHQFN-----	NIAKLVASNWNRYQIGK-----	AS	1267
E12_KM370319	TMNFKNNN--GHDIGLLGFKSN-----	ALVASTWYTYTHMRD-----	HT	1232
E11_KF861875	TMNFKNNN--GNNIGLLGFKDN-----	TLVASTWYTYTHMRD-----	NT	1235
E10_KF861917	TMNFKNNN--GNNIGMLGFKDN-----	TLVASTWYTYTHMRD-----	NT	1233
E7_JN695729	TMNFKNNN--GNNIGMLGFKAD-----	TLVASTWYTYTHMRD-----	NT	1233
E8_JN695730	TMNFKNNN--GNNIGMLGFKDN-----	TVVASTWYTYTHMRD-----	HT	1233
E5_AB037711	TMNFKNNN--GNNIGLLGFKAD-----	TVVASTWYTYTHMRD-----	HT	1232
E6_AM695759	TMNFKNNN--GNNIGLLGFKAD-----	TVVASTWYTYTHMRD-----	HT	1233
E4_AB088207	TMNFKNNN--GNNIGLLGFKAD-----	TVVASTWYTYTHMRD-----	NT	1233
E3_EF028403	TMNFKNNN--GNNIGLLGFKAD-----	TVVASTWYTYTHMRD-----	HT	1233
E1_Q00496	TMNFKNNN--GNNIGLLGFKAD-----	TVVASTWYTYTHMRD-----	HT	1233
E2_EF028404	TMNFKNNN--GNNIGMLGFKDN-----	TLVASTWYTYTHMRD-----	NT	1233
F7_GU213233	TMNFKTNN--GNDIGLLGFHLN-----	NLVASSWYTYKNIRN-----	NT	1250
F5_GU213211	TMNFKNNN--GGNIGLLGFHSD-----	NLVASSWYTYNNIRR-----	NT	1259
F1_Q57236	TMNFKNNN--GGNIGLLGFHSD-----	NLVASSWYTYNNIRK-----	NT	1259
F4_GU213214	TMNFKNNN--GGNIGLLGFHSD-----	TLVASSWYTYNNIRR-----	NT	1259
F2_GU213209	TMNFKQND--GSNIGLLGFHSD-----	DLVASSWYTYNNIRR-----	NT	1262
F3_GU213227	TMNFKQNN--GGNIGLLGFHSD-----	NLVASSWYTYNNIRR-----	NT	1261
F6_M92906	TMNFKQNN--GSNIGLLGFHSD-----	NLVASSWYTYNNIRR-----	NT	1256
T_P04958	QLKLYDDK--NASLGLVGTTHNGQ-----	IGNDPNRDILLIASNWFNHLKD-----	K--	1297

D_P19321	KLSTSSFWKFI SRDPGWVE---	1275
DC_AB745660	LLESTSTHWVFPASE-----	1285
C1_P18640	LLESTSTHWGFVPVSE-----	1291
CD_AB200360	KLSTSSFWKFI SRDPGWVE---	1280
G_Q60393	NKLRGNCNWQFIPVDEGWTE---	1297
B4_EF051570	YKSNLGCNWQFIPKDEGWTE---	1291
B8_JQ964806	YNPDLGCNWQFIPKDEGWTE---	1292
B7_JQ354985	YSSNLGCNWQFIPKDEGWTE---	1291
B6_AB302852	YNPNLGCNWQFIPKDEGWIE---	1291
B2_AB084152	YNPNLGCNWQFIPKDEGWIE---	1291
B3_EF028400	YNPNLGCNWQFIPKDEGWIE---	1291
B1_B1INP5	YNLKLGCNWQFIPKDEGWTE---	1291
B5_EF033130	YNSKLGCNWQFIPKDEGWTE---	1291
A4_EU341307	--RTLGCSEWFIPVDDGWRERPL	1296
A7_JQ954969	--VTLGCSEWELIPVDYGWGESL	1296
A6_FJ981696	--RTFGCSEWFIPVDDGWGEKPL	1296
A1_A5HZZ9	--RTLGCSEWFIPVDDGWGERPL	1296
A5_EU679004	--RTFGCSEWFIPVDDGWGESPL	1296
A3_DQ185900	--RTFGCSEWFIPVDDGWGESL	1292
A2_X73423	--RTFGCSEWFIPVDDGWGESL	1296
A8_KM233166	--RTFGCSEWFIPVDDGWGESL	1297
H_KG015617	--RTFGCSEWFIPVDDGWGESL	1288
E9_JX424534	--NSNGCFWFSFIPEENGWQEH--	1251
E12_KM370319	--NSNGCFWNFISEEHGWQEK--	1254
E11_KF861875	--NSNGCFWNFISEEHGWQEK--	1252
E10_KF861917	--NSNGCFWNFISEEHGWQEK--	1252
E7_JN695729	--NSNGCFWNFISEEHGWQEK--	1252
E8_JN695730	--NSNGCFWNFISEEHGWQEK--	1252
E5_AB037711	--NSNGCFWNFISEEHGWQEK--	1251
E6_AM695759	--NSNGCFWNFISEEHGWQEK--	1252
E4_AB088207	--NSNGCFWNFISEEHGWQEK--	1252
E3_EF028403	--NSNGCFWNFISEEHGWQEK--	1252
E1_Q00496	--NSNGCFWNFISEEHGWQEK--	1252
E2_EF028404	--NSNGCFWNFISEEHGWQEK--	1252
F7_GU213233	--RNNGCFWFSFISKEHGWQE---	1268
F5_GU213211	--SSNGCFWFSFISKEHGWQE---	1277
F1_Q57236	--SSNGCFWFSFISKEHGWQEN--	1278
F4_GU213214	--SSNGCFWFSFISKEHGWQE---	1277
F2_GU213209	--SSNGCFWFSFISKEHGWKE---	1280
F3_GU213227	--SSNGCFWFSFISKEHGWQE---	1279
F6_M92906	--SSNGCFWSSISKENGWKE---	1274
T_P04958	---ILGCDWYFVPTDEGWTND--	1315
	. * . :	

FIGURE 2

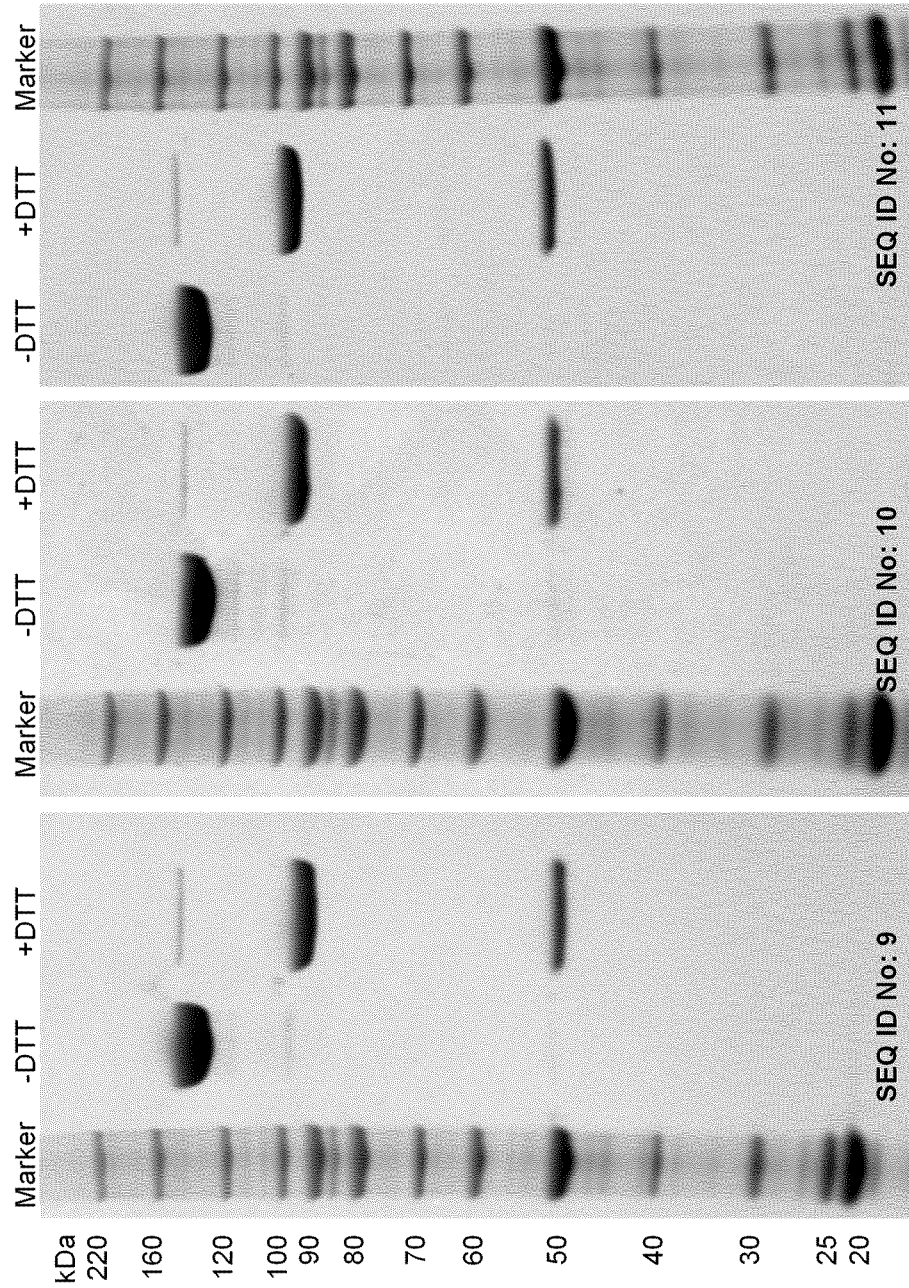


FIGURE 3

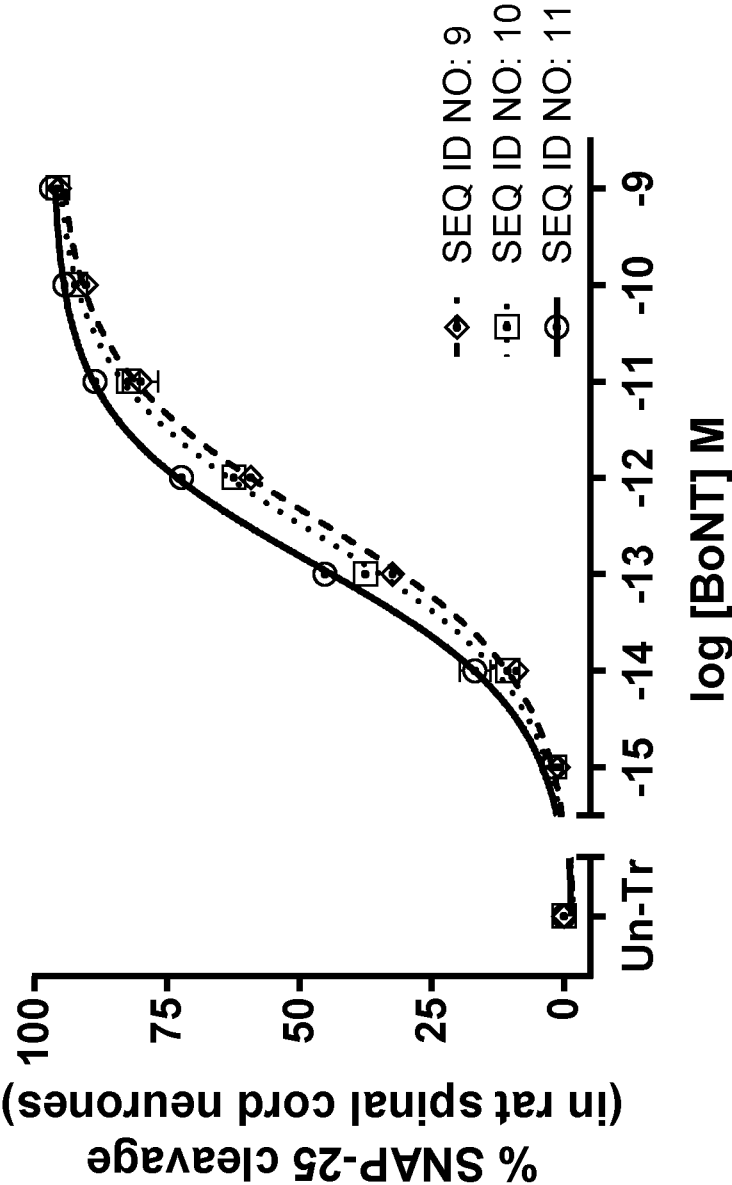


FIGURE 4

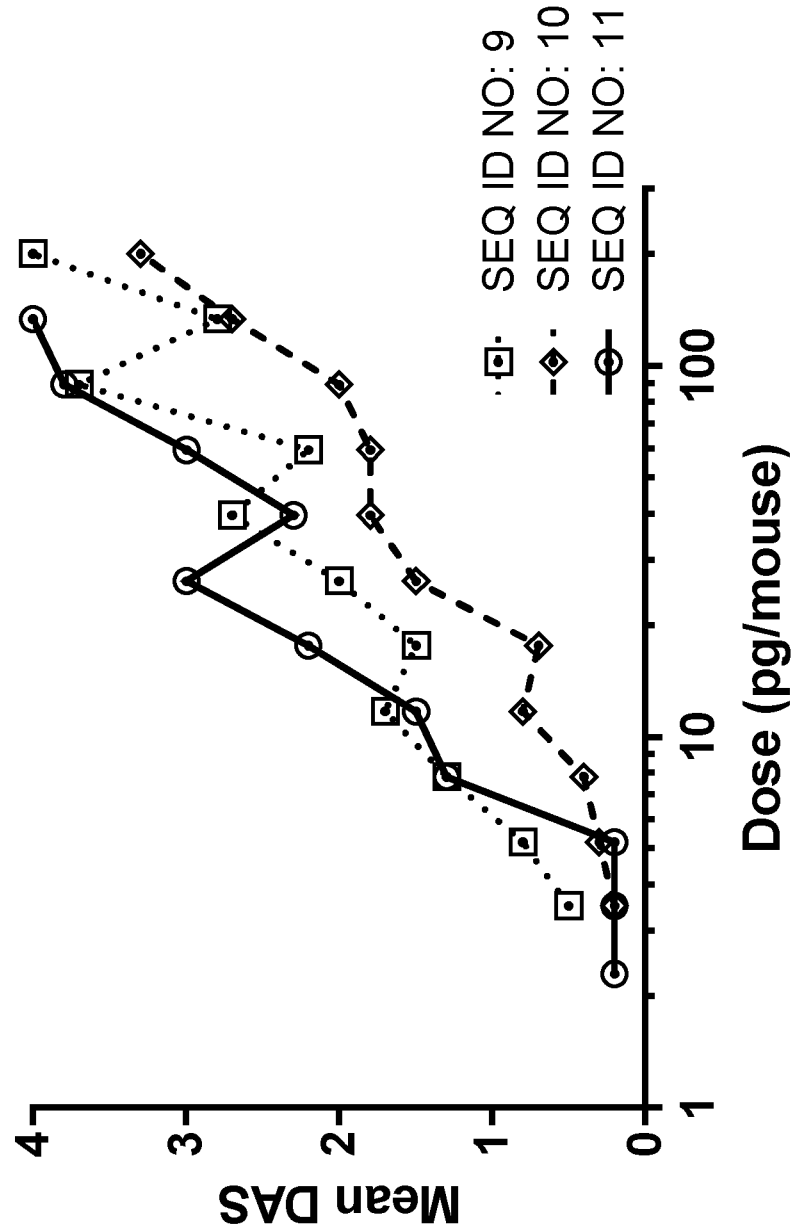


FIGURE 5

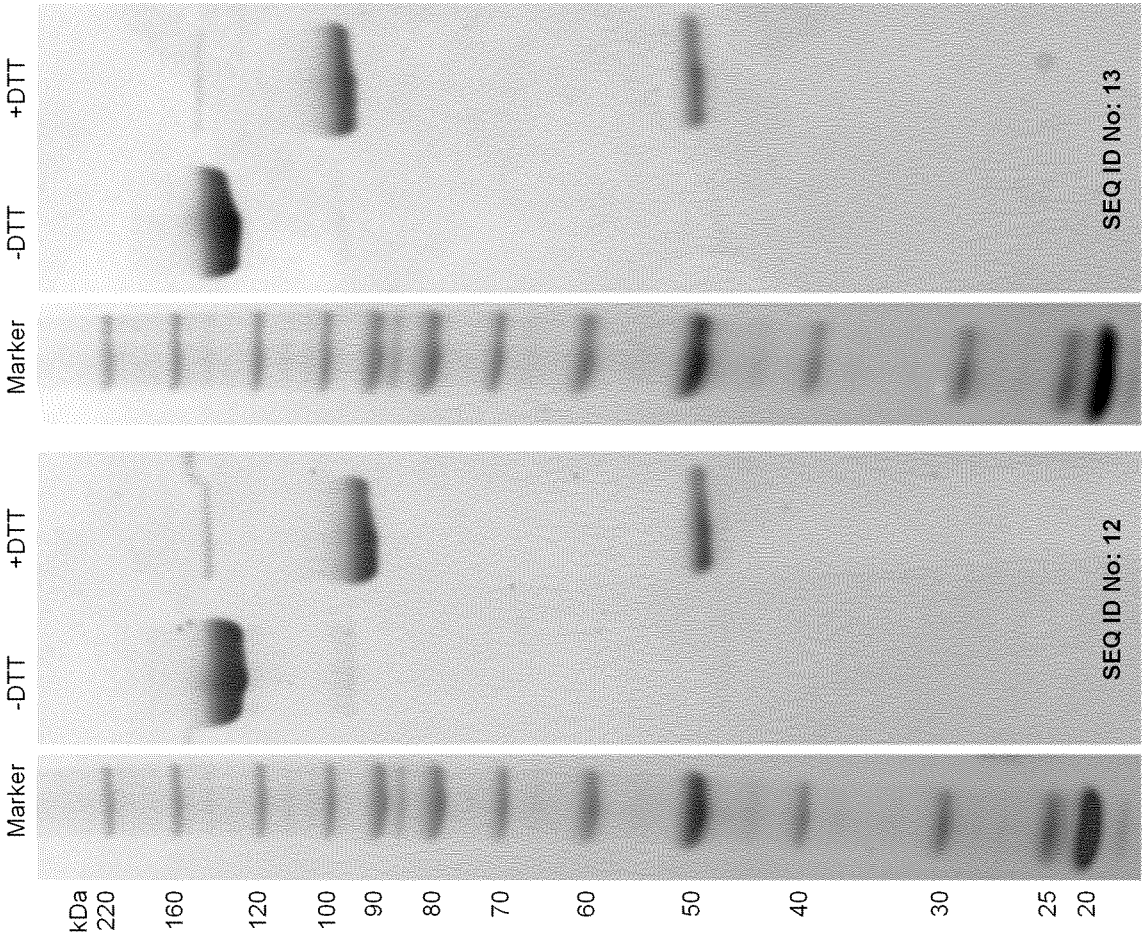


FIGURE 6

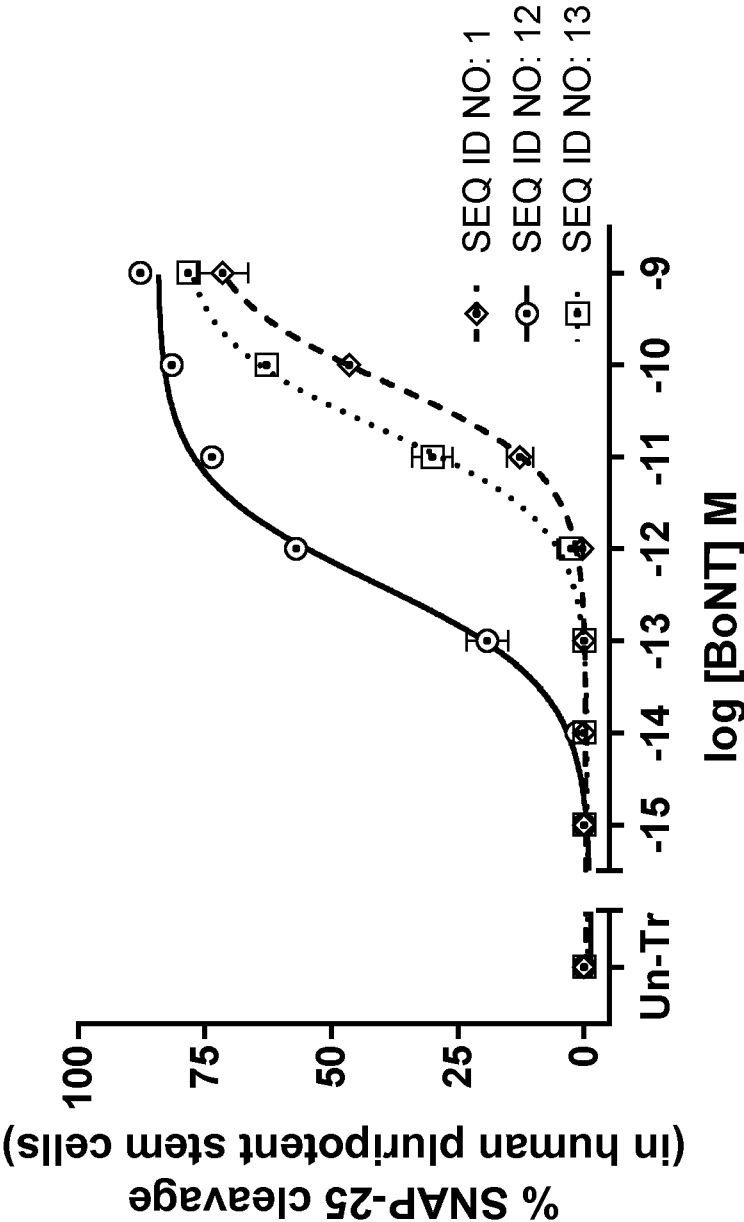


FIGURE 7

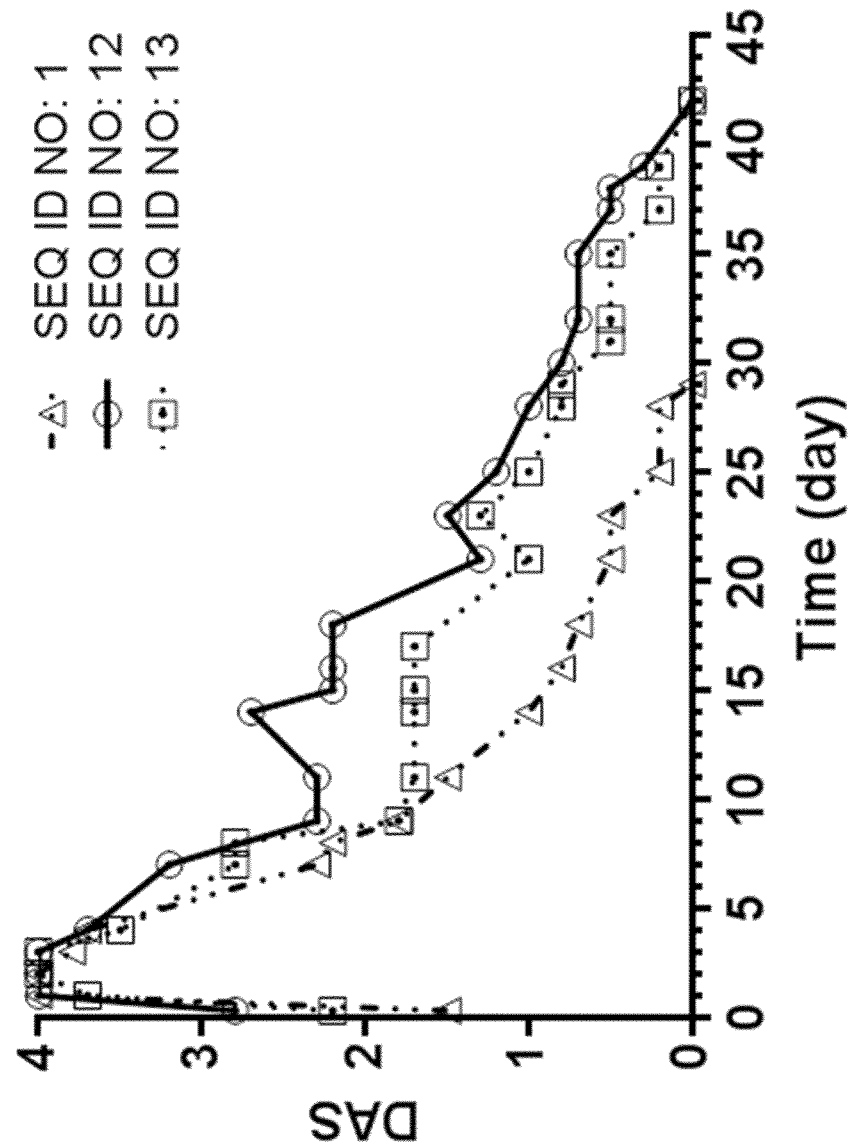


FIGURE 8

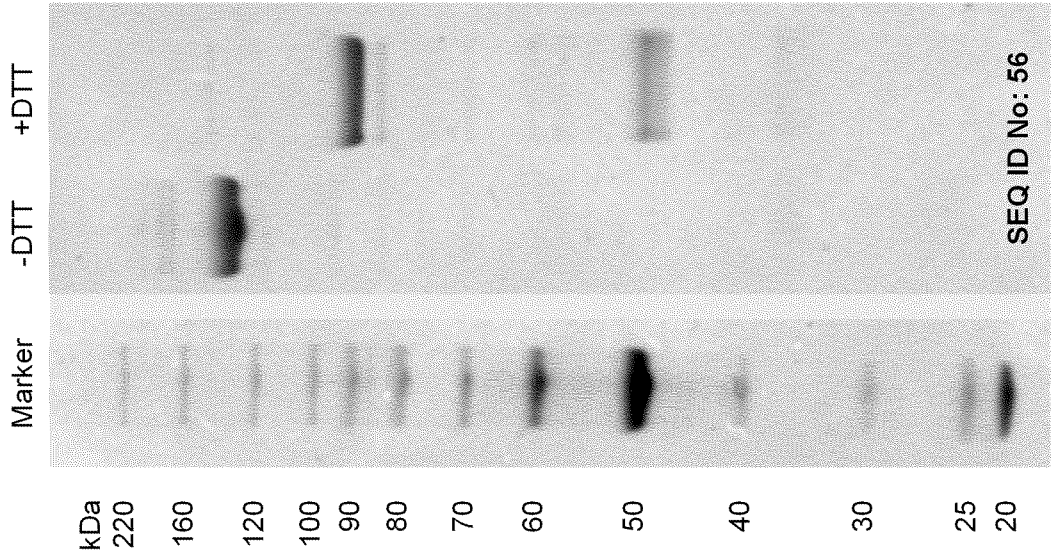


FIGURE 9

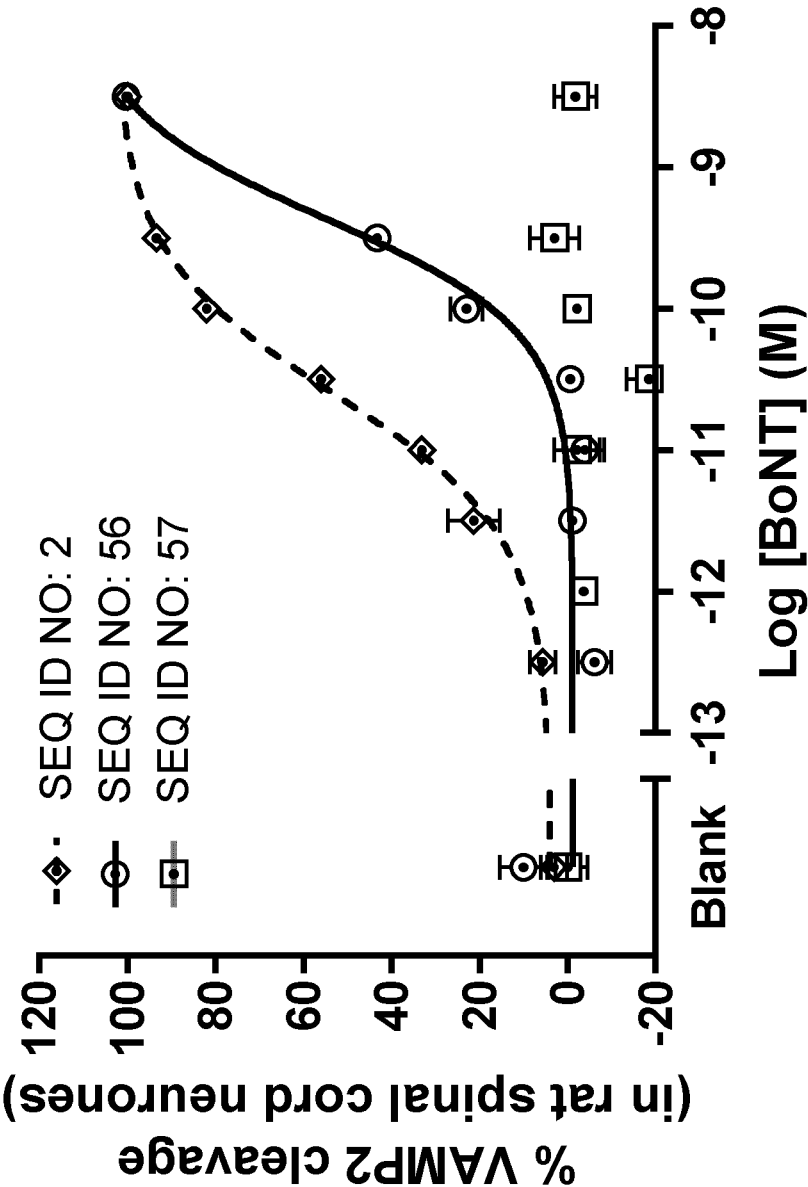


FIGURE 10

