

Supplementary figure 1

DEFB1_hsa MRTSYLLLFTLCLLLSEMASGGNFLTGLGHS DHYNCVSSGGQCLYSACPIFTKIQGTCY 60
 DEFB1_ptr MRTSYLLLFTLCLLLSEMASGGNFLTGLGHS DHYNCVSSGGQCLYSACPIFTKIQGTCY 60
 DEFB1_ggo MRTSYLLLFTLCLLLSEIASGGNFLTGLGHS DHYNCVSSGGQCLYSACPIFTKIQGTCY 60
 DEFB1_ppy MRTSYLLLFTLCLLLSEMASGGNFLTGLGHS DHYNCVSSGGQCLYSACPIFTKIQGTCY 60
 DEFB1_hla MRTSYLLLFTLCLLLSEMASGDNFLTGLGHS DHYNCVRSGGQCLYSACPIYTKIQGTCY 60
 DEFB1_mfa MRTSYLLLFTLCLLLSEMASGDNFLTGLGHS DHYNCVRSGGQCLYSACPIYTRIQGTCY 60
 DEFB1_mam MRTSYLLLFTLCLLLSEMASGDNFLTGLGHS DHYNCVRSGGQCLYSACPIYTRIQGTCY 60
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 P P

DEFB1_hsa RGKAKCCK 68
 DEFB1_ptr GGKAKCCK 68
 DEFB1_ggo GGKAKCCK 68
 DEFB1_ppy RGKAKCCK 68
 DEFB1_hla QGKAKCCK 68
 DEFB1_mfa HGKAKCCK 68
 DEFB1_mam HGKAKCCK 68
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DEFB4_hsa_1 MRVLYLLFSFLFIFLMPLPGVFGGIGDPVTCLKSGAICHPVFCPRRYKQIGTCGLPGTKC 60
 DEFB4_ptr_1 MRVLYLLFSFLFIFLMPLPGVFGGISDPVTCLKSGAICHPVFCPRRYKQIGTCGLPGTKC 60
 DEFB4_ggo_1 MRVLYLLFSFLFIFLMPLPGVFGGIGDPVTCLKSGAICHPVFCPRRYKQIGTCGLPGTKC 60
 DEFB4_ppy_1 MRVLYLLFSFLFIFLMPLPGVFGGIGDPVTCLKSGAICHPVFCPRRYKQIGTCGLPGTKC 60
 DEFB4_hla_1 MRVLYLLFSFPFIFLMPLPGVFGDIRNPVTCLKSGAICHPVFCPRRYKQIGTCGLPGTKC 60
 DEFB4_mfa_1 MRVLYLLFSFPFIFLMPLPGVFGDIRNPVTCVRSGAICLPGFCPRRYKHIGVCGVSAIKC 60
 DEFB4_mam_1 MKVLYLLFSFLFIFLMPLPGVFGDIRNPVTCVRSGAICLPGFCPRRYKHIGVCGVSAIKC 60
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 CKKP 64
 DEFB4_ptr_1 CKKP 64
 DEFB4_ggo_1 CKKP 64
 DEFB4_ppy_1 CKKP 64
 DEFB4_hla_1 CRKP 64
 DEFB4_mfa_1 CKKP 64
 DEFB4_mam_1 CKKP 64
 * :**:
 DEFB103_hsa_1 MRIHYLLFALLFLFLVPVPGHGGIINTLQKYYCRVRGGRCAVLSCLPKEEQIGKCSTRGR 60
 DEFB103_ptr_1 MRIHYLLFALLFLFLVPVPGHGGIINTLQKYYCRVRGGRCAVLTCLPKEEQIGKCSTRGQ 60
 DEFB103_ggo_1 MRIHYLLFTLLFLFLVPVPGHGGIINTLQKYYCRVRGGRCAVLSCLPKEEQIGKCSTRGR 60
 DEFB103_ppy_1 MRIHYLLFALLFLFLVPVPGHGGIINTLQKYYCRVRGGRCAVLSCLPKEEQIGKCSTRGR 60
 DEFB103_mam_1 MRIHYLLFALLFLFLVPVPGHGGIINTLQKYYCRVRGGRCAVLSCLPKEEQIGKCSTRGR 60
 *****:*****:*****:*****:
 KCCRRKKK 68
 DEFB103_ptr_1 KCCRRKKE 68
 DEFB103_ggo_1 KCCRRKKK 68
 DEFB103_ppy_1 KCCRRKKK 68
 DEFB103_mam_1 KCCRRKKK 68
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DEFB104_hsa_1 **MQRLVLLAISLLLQDLPVRSEFELDRICGYGTARCRKKCRSQEYRIGRCPNTYACCLR** 60
DEFB104_ptr_1 **MQRLVLLAISLLLQDLPVRSEFELDRICGYGTARCRKKCRSQEYRIGRCPNTYACCLR** 60
DEFB104_ggo_1 **MRRLVLLAISLLLQDLPVRSEFELDRICGYGTARCRKKCRSQEYRIGRCPNTFACCLR** 60
DEFB104_ppy_1 **MRRLVLLAISLLLQDLPVRSEFELDRICGYGTARCRKKCRSQEYRIGRCPNTYACCLR** 60
DEFB104_hla_1 **MRRLVLLTISVLLQDLPVRSEFEWDRICGYGTARCRNKCRSQEYRIGRCPNTFACCLR** 60
DEFB104_mam_1 **MQRLVLLAISLLFYQDLPVRSEFELDRICGYGTARCRNKCRSQEYKIGRCPNSYACCLR** 60
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DEFB104_hsa_1 **KWDESLLNRTKP** 72
DEFB104_ptr_1 **KWDESLLNRTKP** 72
DEFB104_ggo_1 **KWDESLLNRTKP** 72
DEFB104_ppy_1 **KWDESLLNRTKP** 72
DEFB104_hla_1 **KWDESLLNSTKP** 72
DEFB104_mam_1 **KWDESLLNRTKP** 72
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DEFB105_hsa_1 **MALIRKTFYFLFAMFFILVQLPSGCQAGLDFSQPFPSGEFAVCESCKLGRGKCRKECLEN** 60
DEFB105_ptr_1 **MALIKKTFFFLFAMFFILVQLSSGCQAGLDFSQPFPSGEFAVCESCKLGRGKCRKECLEN** 60
DEFB105_ggo_1 **MALIRKTFYFLFAVFFILVQLPSGCQAGLDFSQPFPSGEFAVCESCKLGRGKCRKECLEN** 60
DEFB105_ppy_1 **MALIRKTFYFLFAVFFVVLVQLPSECQAGLDFSQPFPDSDEFAVCESCKLGRGKCRKECLEN** 60
DEFB105_hla_1 **MALIRKTFYFLFAVFFILVQLPSGCQAGLDFSQPFPSGEFAVFESCKFSRGKCRKECLEN** 60
DEFB105_mfa_1 **MALIRKTFYFVFAVFFILVQQPSGCQAGLEFSEPFPSGRFAVCESCKLGRGKCRKECLEN** 60
DEFB105_mam_1 **MALIRKTFYFVFAVFFVVLVQQPSGCQAGLEFSEPFPSGRFAVCESCKLGRGKCRKECLEN** 60
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DEFB105_hsa_1 **EKPDGNCRLNFLCCRQRI** 78
DEFB105_ptr_1 **EKPDGNCRLNFLCCRQRI** 78
DEFB105_ggo_1 **EKPDGNCRLNFLCCRQRI** 78
DEFB105_ppy_1 **EKPDGNCRLNFLCCRERI** 78
DEFB105_hla_1 **EKPDGNCRLNFLCCRQSI** 78
DEFB105_mfa_1 **EKPDGSCRLNFLCCRPRM** 78
DEFB105_mam_1 **ERPDGSCRLNFLCCRPRM** 78
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DEFB106_hsa_1 **MRTFLFLFAVLFFLTPAKNAFFDECNKLKGTCNNCGKNEELIALCQKSLKCCRTIQPC** 60
DEFB106_ptr_1 **MRTFLFLFAVLFFLTPAKNAFFDECNKLKGTCNNCGKNEELIALCQKSLKCCRTIQPC** 60
DEFB106_ggo_1 **MRTFLFLFAVLFFLTPAKNAFFDECNKLKGTCNNCGKNEELIALCQKSLKCCRTIQPC** 60
DEFB106_ppy_1 **MRTFLFLFAVLFFLTPAKNEFFDEKGKLGKGTCKNNCGKNEELIALCQKSLKCCRTIQPC** 60
DEFB106_mfa_1 **MRTFLFLFVVLFFLTPAKNAFFDDKCDKLRGTCKNSCEKNEELTSFCQKSLKCCRTIQTC** 60
DEFB106_mam_1 **MRTFLFLFVVLFFLTPAKNAFFDDKCDKLRGTCKNNCEKNEELTSFCQKSLKCCRTIQTC** 60
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DEFB106_hsa_1 **GSIID** 65
DEFB106_ptr_1 **GSIID** 65
DEFB106_ggo_1 **GSIID** 65
DEFB106_ppy_1 **GSIID** 65
DEFB106_mfa_1 **GNTTD** 65
DEFB106_mam_1 **GNTTD** 65
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|---------------|---|----|
| DEFB119_hsa_1 | MKLLYLFLAILLAIIEEPVI SGKRHILRCMGNNSGICRASCKKNEQPYLYC RNCQSCCLQSY | 60 |
| DEFB119_ptr_1 | MKLLYLFLAILLAIIEEPVI SGKRHILRRMGNNSGICRASCKKNEQPYLYC RNYQSCCLQSY | 60 |
| DEFB119_ggo_1 | MKLLYLFLAILLAIIEEPVI SGKRHILRCMGNNSGICRASCKKNEQPYLYC RNYQSCCLQSY | 60 |
| DEFB119_ppy_1 | MKLLYLFLAILLVIIEEPVI SGKRYILRCMGNNSGICRASCKRNEQPYLYC RNYQSCCLQSY | 60 |
| DEFB119_hla_1 | MKLLYLFLAILLAIIEEPVI SGKHHILRCMGNNSGICRASCKKNEQPYLYC RNYQHCCCLQSY | 60 |
| DEFB119_mfa_1 | MKFLLFLFLAILLATKIPVI SGKRHNLRGMNSGICRASCKKNEQPYLYC RNYQACCLQSY | 60 |
| DEFB119_mam_1 | MKFLLFLFLAILLATEVPVI SGKRHILRCMGNNSGICRASCKKNEQPYLYC RNYQACCLQSY | 60 |

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|---------------|--------------------------|----|
| DEFB119_hsa_1 | MRISISGKEENTDWSYEKQWPRLP | 84 |
| DEFB119_ptr_1 | MRISISGKEENTDWSYEKQWPRLP | 84 |
| DEFB119_ggo_1 | MRISISGKEEDTDWSYEKQWPRLP | 84 |
| DEFB119_ppy_1 | MRISISGKEENTDWSYEKQWPRLP | 84 |
| DEFB119_hla_1 | MRISISGEEENTDWSYEKQWPRLP | 84 |
| DEFB119_mfa_1 | MRISISGKEENTDWSYEKQWPRLP | 84 |
| DEFB119_mam_1 | MRISISGKEENTDWSYEKQWPRLP | 84 |

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|---------------|---|----|
| DEFB120_hsa_1 | M K L L L L L F L A I L A I E E P V I S V E C W M D G H C R L L C K D G E D S I I R C R N R K R C C V P S R Y L T I Q P | 60 |
| DEFB120_ptr_1 | M K L L L L L F L A I L A I E E P V I S V E C W M D G H C R L L C K D G E D S I I R C R N R K R C C V P S R Y L T I Q P | 60 |
| DEFB120_ggo_1 | M K L L L L L F L A I L A I E E P V I S V E C W M D G H C R L L C K D G E D S I I R C R N R K R C C V P S H Y L T I Q P | 60 |
| DEFB120_ppy_1 | M K L L L L L F L A I L L V I E E P V I S V E C W M D G H C R L L C K D G E D S I I R C R N R K R C C V P S H Y L T I Q P | 60 |
| DEFB120_hla_1 | M K L L L L L F L A I L A I E E P V I S V E C W M D G H C R L L C K D G E D S I I R C R N R K R C C V P S R Y L T I Q P | 60 |
| DEFB120_mfa_1 | M K F L L F L A I L L A T K I P V I E E P V I S V E C W M D G H C R L L C K D G E D S I I R C R N R K R C C V P S R Y L T I Q P | 60 |
| DEFB120_mam_1 | M K F L L F L A I L L A T E V P V I E E P V I S V E C W M D G H C R L L C K D G E D S I I R C R N R K R C C V P S R Y L T I Q P | 60 |

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|---------------|------------------------------|----|
| DEFB120_hsa_1 | VTIHGILGWTPQMSSTTAPKMKTNITNR | 88 |
| DEFB120_ptr_1 | VTIHGILGWTPQMSSTTAPKTNTNITNR | 88 |
| DEFB120_ggo_1 | VTIHGILGWTPQMSSTTAPKTNTNITNR | 88 |
| DEFB120_ppy_1 | VTIHGILGWTPQMPTTAPAKRNITNR | 88 |
| DEFB120_hla_1 | VTIHGILGWTPQMSSTTAPKMKRNITNR | 88 |
| DEFB120_mfa_1 | VTIHGILGWTPPRMSTTAPQPKRNIHNG | 88 |
| DEFB120_mam_1 | VTIHGILGWTPPRMSTTAPQPKRNIHNG | 88 |

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DEFB123_hsa_1      MKLLLLLT廖TVLLLLSQLTPGGTQRCWNLYGKCRYRCSKKERVYVYCINNKMCCKVKPKYQP 60
DEFB123_ptr_1      MKLLLLLT廖TVLLLLSQLTPGGTQRCWNLYGKCRYRCSKKERVYVYCINNKMCCKVKPKYQP 60
DEFB123_ggo_1      MKLLLLLT廖TVLLLLSQLTPGGTQRCWNLYGKCRYRCSKKERVYVYCINNKMCCKVKPKYQP 60
DEFB123_ppy_1      MKLLLLLT廖TVLLLLSQLTPGGTQRCWNLYGKCRHRCSSKKERVYVYCINNKMCCKVKPKYQP 60
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|---------------|---------|----|
| DEFB123_hsa_1 | KERWWPF | 67 |
| DEFB123_ptr_1 | KERWWPF | 67 |
| DEFB123_ggo_1 | KERWWPF | 67 |
| DEFB123_ppy_1 | KERWWRF | 67 |

DEFB125_hsa MNILMLTFIICGLLTQVTKGSFEPQKCWKNNVGHCRRCLDTERYILLCRNKLSCCIS-I 59
 DEFB125_ptr MNILMLTFIICGLLTQVTKGSFEPPKCGNNIGHCRKRCLDTERYILLCRNKLSCCIYII 60
 DEFB125_ggo MNILMLTFIICGLLTQVTKGSFEPQKCWKNNIGHCRRCLDTERCILLCRNKLSCCIYII 60
 DEFB125_ppy MNLLMLTFIICGLLTQVTKGSFEPQKCWKNNIGHCRRCLDTERYILLCRNKLSCCISII 60
 DEFB125_hla MNLLMLTFIICGLLTQVTKGSFEPPKCGNNIGHCRRCLDTERYILVCRNKLSCCISII 60
 DEFB125_mfa MNLLMLTFIICGLLTQVTKGSFEPQKCWKNNIGYCRRCLDTERYILLCRNKLSCCISII 60
 DEFB125_mam MNLLMLTFIICGLLTQVTKGSFEPQKCWKNNIGYCRRCLDTERYILLCRNKLSCCISII 60
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 DEFB125_hsa ISHEYTRRPAFPVIHLEDITLDYSDVDSFTGSPVSMNDLITFDTTKFGETMTPETNTPE 119
 DEFB125_ptr ISHEYTRRPAFPMIHLEDITFDYSDVDSFTGSPVSMNDLITFDTTKFGETMTPETNTPE 120
 DEFB125_ggo ISHEYTQRPAFPMIHLEDITFDYSDVDSFTGSPVSMNDLITFDTTKFGETMTPETNTPE 120
 DEFB125_ppy ISHEYTRRPAFPVIHLEDITFDYSDVDSFTGSPVSMNDLITFDTTKFGETITPETNTPE 120
 DEFB125_hla ISHEYTRRPAFPVIHLEDITFDYSDVDSFTGSPVSMNDLITFDTTKFGETMTPETNTPE 120
 DEFB125_mfa ISYEYTRRPPFRVIHLEDITFDYSDMGSFTGSPVSKLSDLVTDIRR--ETMTPKTNTPE 118
 DEFB125_mam ISYEYTRRPPFRVIHLEDITFDYSDMGSFTGSPVSKLSDLVTDIRR--ETMTPKTNTPE 118
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 DEFB125_hsa TTMPSEATTPETTMPPSETATPRLCHHLLRQLLIIN 157
 DEFB125_ptr TTMPSETTPETTMPPSETATSETMPPPLS-QTALTHN 157
 DEFB125_ggo TTVPPSETTPETTMPPSETATSETMPPPS-QTALTHN 157
 DEFB125_ppy TTMPSETTSSKTTMPPSETATSET-MPPPSQTALTHN 157
 DEFB125_hla TTMPSS-----KTTSKTTMPPPSQTALTHN 146
 DEFB125_mfa TTMPSETTSKTTMPSSKTTSKTTMPPPSQMALTHN 156
 DEFB125_mam TTMPSETTSKTTMPSSKTTSKTTMPPPSQMALTHN 156
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 DEFB126_hsa MKSLLFTLAVFMLLAQLVSGNWYVKKCLNDVGICKKKCKPEEMHVKGWAMCGKQRDCCV 60
 DEFB126_ptr MKSLLFTLAVFMLLAQLVSGNWYVKKCLNDVGICKKKCKPGEMHIKGNGWATCGKQRDCCV 60
 DEFB126_ggo MKSLLFTLAVFMLLAQLVSGNWYVKKCLNDVGICKKKCKPEEMHVKGWAMCGKQRDCCV 60
 DEFB126_ppy MKSLLFTLAVFMLLAQLVSGSWYVKKCLNDVGICKKKCKPEELHVKGWAMCGKQRDCCV 60
 DEFB126_hla MKSLLFTLAVFMLLAQLVSGNWYVKKCLNDVGICKKKCKPEELHVKGNGRAMCGKQRDCCV 60
 DEFB126_mfa MKSLLFTLAVFMLLAQLVSGNLVKRCLNDIGICKKTCKPEEVSEHGWVMCGKRKACCV 60
 DEFB126_mam MKSLLFTLAVFMLLAQLVSGNLVKRCLNDIGICKKTCKPEEVSEHGWVMCGKRKACCV 60
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 DEFB126_hsa PADRRANYPVFCVQTKTRISTVTATTAT-----TTLMMTTASMSSMA----- 103
 DEFB126_ptr PADRRANYPAFCVQTKTRTSTVTAK-----TTLMVTTASMSSMA----- 100
 DEFB126_ggo PADRRANYPAFCVQTKTRTSTVTATTAT-----TTLMMTTASMSLMA----- 103
 DEFB126_ppy PADKRANYPAFCVQTKTRTSTVTATTATRATTAT-----TTTLMMTTASMSSMT----- 110
 DEFB126_hla PADKRANYPAFCVQTKTRTSTVTATAAT-----TTTLVMTTASMSSMA----- 104
 DEFB126_mfa PADKRSAYPSFCVHSKTTKTSTVTARATATTATTATAATPLMISNGLISLMSYDGRYPCF 120
 DEFB126_mam PADKRSAYPSFCVRSKTTKTSTVTARATATTATTATAATPLMISNGLISLMT----- 112
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 DEFB126_hsa ----PTRFSHWLSLCLLLX 118
 DEFB126_ptr ----PTPVSPTG----- 108
 DEFB126_ggo ----PTPVSPTG----- 111
 DEFB126_ppy ----PTPVSPTG----- 118
 DEFB126_hla ----PTPVSPTS----- 112
 DEFB126_mfa SHYLNIPASVSCSRS--- 135
 DEFB126_mam ----TMAATPVSPPTT---- 123

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|-------------|--|-----------------|----|
| DEFB129_hsa | MKLLFPIFASLMLQYQVNTEFIGLRRCLMGLGRCRDHCVDEKEI | IQCKCMKKCCVGPKV | 60 |
| DEFB129_ptr | MKLLFPIFASLMLQYQVNTEFIGLRRCLMGLGRCRDHCVDEKEI | IQCKCMKKCCVGPKV | 60 |
| DEFB129_ggo | MKLLFPIFASLMLQYQVNTEFIGLRRCLMGLGRCRDHCVDEKEI | IQCKCMKKCCVGPKV | 60 |
| DEFB129_ppy | MKLLFPVFASLMLQYQVNTEFIGLRRCLMGFGRCRDHCVDEKEI | IQCKCMKKCCVGPKV | 60 |
| DEFB129_hla | MKLLFPIFASLMLQYQVNTEFIGLRRCLMGFGRCRDHCVDEKEI | IQCKCMKKCCVGPKV | 60 |
| DEFB129_mfa | MKLLFPIFASLMLQYQVNTEFIGLRSCLMGFGRCRDHCVDEKEI | IQCKCMKKCCVGPKV | 60 |
| DEFB129_mam | MKLLFPIFASLMLQYQVNTEFIGLRSCLMGFGRCRDHCVDEKEI | IQCKCMKKCCVGPKV | 60 |
| | ***** : ***** : ***** : ***** : ***** : ***** : ***** | | |
| DEFB129_hsa | KLIKNYLQYGTPNVLNEDVQEMLPKAKNSSAVIQRKHILSVPQIKSTSFFANTNFVIIP | 120 | |
| DEFB129_ptr | KLIKNYLQYGTPNVLNEDVQEMLPKAKNSSAVIQRKHILSVPQIKSTSFFANTNFVIIP | 120 | |
| DEFB129_ggo | KLIKNYLQYGTPNVLNEDVQEMLPKAKNSSAVIQRKHILSVPQIKSTSFFANTNFVIIP | 120 | |
| DEFB129_ppy | KLIKNYLQYGTIPNVLNEDVQEMLPKAKNSSAVIQRKHILSVPQIKSTSFFANTNFVIIP | 120 | |
| DEFB129_hla | KLIKNYLQYGTIPNVLNEDVQEMLPKAKNSSAVIQRKHILSVPQIKSTSFFANTNFVIIP | 120 | |
| DEFB129_mfa | KLIKNYLQYGTIPNVLNEDVQEMLPKAKNSSAVIQRKHILSVPQIKSTSFFANTNFVIIP | 120 | |
| DEFB129_mam | KLIKNYLQYGTIPNVLNEDVQEMLPKAKNSSAVIQRKHILSVPQIKSTSFFANTNFVIIP | 120 | |
| | ***** : ***** : ***** : ***** : ***** : ***** : ***** | | |
| DEFB129_hsa | NATPMNSATISTMTPGQITYTATSTKSNTKESRDSATASPPPAPPPPNILPTPSLELEEA | 180 | |
| DEFB129_ptr | NATPMNSATISTMTPGQITYTATSTKSNTKESRDSATASPPPAPPPPNILPTPSLELEEA | 180 | |
| DEFB129_ggo | NATPMNSATISTMTPGQITYTATSTKSNTKESRDSATASSPPAPPPPNILPTPSLELEEA | 180 | |
| DEFB129_ppy | NATPMNSATISTMTPGQITYTATSTKSNTKESRDSATASPPPAPPPPNILPTPSLELEKA | 180 | |
| DEFB129_hla | NATPMNSAIISTVTPGQITYTAASTKSNIKESRDSATASPPPAPPPPNTLPTP----- | 173 | |
| DEFB129_mfa | NATPVNSATVSTMTCGQITYTATSTKSNTKESGDSATASPPPAPPPPNILPTPSLELEEA | 180 | |
| DEFB129_mam | NATPVNSATVSTMTCGQITYTATSTKSNTKESRDSATASPPPAPPPPNILPTPSLELEEA | 180 | |
| | ***** : ***** : ***** : ***** : ***** : ***** : ***** | | |
| DEFB129_hsa | EEQ 183 | | |
| DEFB129_ptr | EEQ 183 | | |
| DEFB129_ggo | EEQ 183 | | |
| DEFB129_ppy | EEQ 183 | | |
| DEFB129_hla | --- | | |
| DEFB129_mfa | EEQ 183 | | |
| DEFB129_mam | EEQ 183 | | |

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|---------------|--|----|
| DEFB132_hsa_1 | MKFLLLVLAALGFLTQVIPASAGGSKCVSNTPGYCRTCCHWGETALFMCNASRKCCISYS | 60 |
| DEFB132_ptr_1 | MNFLLLVLAALGFLTQVIPASAGGSKCVSNTPGYCRTYCHWGETALFMCNASRKCCVSYS | 60 |
| DEFB132_ggo_1 | MKFLLLVLAALGFLTQVIPASAGGSKCVSNTPAYCRTYCHWGETALFMFNASRKCCISYS | 60 |
| DEFB132_ppy_1 | MKFLLLVLAALRFLTQVIPASAGGSKCVSNTPGYCRTYCHQGETALFMCNASRKCCVSYS | 60 |
| DEFB132_hla_1 | MKFLLLVLAALRFLTQVIPASGGGSKCVSDTQGYCRTYCHQGETALFMCNASRKCCASYS | 60 |
| DEFB132_mfa_1 | MKFLLLVLAALGFLTQVIPASGGGSKCVSDTPGYCRTCCHRGETALFMCSPFRKCCISYS | 60 |
| DEFB132_mam_1 | MKFLLLVLAALGFLTQVIPASGGGSKCVSDTPGYCRTCCHRGETALFMCSPFRKCCISYS | 60 |

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|---------------|--|----|
| DEFB132_hsa_1 | FLPKPDLQLIGNHWQSRRRNTQRKD KKKQQTTVTS - | 95 |
| DEFB132_ptr_1 | FLPKADLPRLIGNHWQSRRRNTQRKD BKKQQTTVTS - | 95 |
| DEFB132_ggo_1 | FLPKPDLQLIGNHWQSRR-NTQRKD BKKQQTTVTS - | 94 |
| DEFB132_ppy_1 | FLPKPDLQLIGNHWQSRRRNTQRKD BKKQQTTVTS - | 95 |
| DEFB132_hla_1 | FLPKPDLQLIGNHWQSRRRNTQRKD BKKQQTTVTS - | 96 |
| DEFB132_mfa_1 | FLPQPDLPQLIGNHWPSRSRNTQRKN KKQQTTVTP - | 95 |
| DEFB132_mam_1 | FLPQPDLPQLIGNHWPSRSRNTQRKN KKQQTTVTP - | 95 |