

gi | 24652204 | ref | NP_724834.1 | **MS**TIGTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 144
gi | 158301380 | ref | XP_321089.3 | **MS**SICTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 142
gi | 4506183 | ref | NP_002779.1 | **MS**SICTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 144
gi | 114653223 | ref | XP_001164848.1 | **MS**SICTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 144
gi | 73963050 | ref | XP_537460.2 | **MS**SICTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 144
gi | 76573881 | ref | NP_001004094.1 | **MS**SICTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 144
gi | 8394066 | ref | NP_058976.1 | **MS**SICTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 144
gi | 31981534 | ref | NP_035314.2 | **MS**SICTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 144
gi | 77735429 | ref | NP_001029407.1 | **MS**SICTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 144
gi | 57529899 | ref | NP_001006491.1 | **MS**SICTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 144
gi | 115440617 | ref | NP_001044588.1 | **MS**SICTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 143
gi | 115464609 | ref | NP_001055904.1 | **MS**SICTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 143
gi | 15225839 | ref | NP_180270.1 | **MS**SICTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 143
gi | 71998965 | ref | NP_496177.2 | **MS**SICTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 143
gi | 39972865 | ref | XP_367823.1 | **MS**SICTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 150
gi | 85116600 | ref | XP_965087.1 | **MS**SICTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 150
gi | 19075540 | ref | NP_588040.1 | **MS**SICTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 143
gi | 6324938 | ref | NP_015007.1 | **MS**SICTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 144
gi | 45188273 | ref | NP_984496.1 | **MS**SICTGYDLSASQFSPDGRVFDIEYAAKAVENSGTIVIGIRCKDGVVFAVEKLIITSKLYEPPDAGGRIFITIEKNIQMAVAGLVADGNFVADIAEQEAANRQQFQEQALPKHLCHRVAQVHAYTLYSAVRPFGLSIIILASWDEV----- 144



gi | 24652204 | ref | NP_724834.1 | ----- **EGPOLYKIEPSSGSSFCYFACASGKAKQAKT** ----- **EMEKIKKM-DMR**LD----- **ELVESAGEIIVKVDHDLKDKDFRFEMLVG** ----- **RVVGGHLINPSELTEKARKA** 238
gi | 158301380 | ref | XP_321089.3 | ----- **GYFGCAVGRKAKQAKT** ----- **ETEKIKLSDMSVK** ----- **DLVLTAGKIIIVQVHDLKDKDFKLELSWVC** ----- **DSNGIHKTVPAEYVAAANRA** 222
gi | 4506183 | ref | NP_002779.1 | ----- **DGAQLYMIIDPSSGVSYGYWGCAIGKARQAAT** ----- **ETEKIQMKEMTCR** ----- **DIVKEVAKIIIVHDEVKDKAFLELSWVG** ----- **ELINGRHEIVPKDIREBAEKY** 239
gi | 114653223 | ref | XP_001164848.1 | ----- **DGAQLYMIIDPSSGVSYGYWGCAIGKARQAAT** ----- **ETEKIQMKEMTCR** ----- **DIVKEVAKIIIVHDEVKDKAFLELSWVG** ----- **ELINGRHEIVPKDIREBAEKY** 239
gi | 73963050 | ref | XP_537460.2 | ----- **DGAQLYMIIDPSSGVSYGYWGCAIGKARQAAT** ----- **ETEKIQMKEMTCR** ----- **DIVKEVAKIIIVHDEVKDKAFLELSWVG** ----- **ELINGRHEIVPKDIREBAEKY** 239
gi | 76573881 | ref | NP_001004094.1 | ----- **DGAQLYMIIDPSSGVSYGYWGCAIGKARQAAT** ----- **ETEKIQMKEMTCR** ----- **DIVKEVAKIIIVHDEVKDKAFLELSWVG** ----- **ELINGRHEIVPKDIREBAEKY** 239
gi | 8394066 | ref | NP_058976.1 | ----- **DGAQLYMIIDPSSGVSYGYWGCAIGKARQAAT** ----- **ETEKIQMKEMTCR** ----- **DIVKEVAKIIIVHDEVKDKAFLELSWVG** ----- **ELINGRHEIVPKDIREBAEKY** 239
gi | 31981534 | ref | NP_035314.2 | ----- **DGAQLYMIIDPSSGVSYGYWGCAIGKARQAAT** ----- **ETEKIQMKEMTCR** ----- **DIVKEVAKIIIVHDEVKDKAFLELSWVG** ----- **ELINGRHEIVPKDIREBAEKY** 239
gi | 77735429 | ref | NP_001029407.1 | ----- **DGAQLYMIIDPSSGVSYGYWGCAIGKARQAAT** ----- **ETEKIQMKEMTCR** ----- **DIVKEVAKIIIVHDEVKDKAFLELSWVG** ----- **ELINGRHEIVPKDIREBAEKY** 239
gi | 57529899 | ref | NP_001006491.1 | ----- **DGAQLYMIIDPSSGVSYGYWGCAIGKARQAAT** ----- **ETEKIQMKEMTCR** ----- **DIVKEVAKIIIVHDEVKDKAFLELSWVG** ----- **ELINGRHEIVPKDIREBAEKY** 239
gi | 115440617 | ref | NP_001044588.1 | ----- **DGPOLYMIIEPSSGLSYKYFGAALGKGRQAAT** ----- **ETEKIKLSELTCR** ----- **EGIVEVAKIIIVGVHDEAKDKAFLELSWVC** ----- **DESNRQHKVPPADLLEQAKVA** 238
gi | 115464609 | ref | NP_001055904.1 | ----- **DGPOLYMIIEPSSGLSYKYFGAALGKGRQAAT** ----- **ETEKIKLSELTCR** ----- **EGIVEVAKIIIVGVHDEAKDKAFLELSWVC** ----- **DESNRQHKVPPADLLEQAKVA** 265
gi | 15225839 | ref | NP_180270.1 | ----- **DGPOLYMIIEPSSGLSYRYFGAALGKGRQAAT** ----- **ETEKIKLSELTCR** ----- **EGIVEVAKIIIVGVHDEAKDKAFLELSWVC** ----- **DESNRQHKVPPADLLEQAKVA** 238
gi | 71998965 | ref | NP_496177.2 | ----- **TGRLFLVPEPSGLNLEYKAWAVGKRRQAARA** ----- **ELEKLIIEELDVN** ----- **QLVKEAARIIMVVRDENKDKNVQIEMGWVG** ----- **EQNGKREVEVPEVVTAAEHW** 238
gi | 39972865 | ref | XP_367823.1 | **AEVVGVPSCGAGGKSIDKKYGGPOLYMIIEPSSGLYWGYYGAATGKGRQAARA** ----- **ELEKLDLSDGES** ----- **ELTEQAVKBAARIIVAHDDNKDFELEMWISGADGPTKGRHEVPEALRKEBAEKY** 270
gi | 85116600 | ref | XP_965087.1 | **GEVSGSPVVGAGGKVEGKKHGGPFLYVMEPSSGLYWGYYGAATGKGRQAARA** ----- **ELEKLNFS** ----- **LKMKDAVKEAARILYATHDENNKEHEIEMTWVG** ----- **VEINGIHTFPVDELLOBAEAY** 273
gi | 19075540 | ref | NP_588040.1 | ----- **GPHLYMVEPNAGSYWYNGVYGAAGKGRVARN** ----- **ELEKLVHHPHG** ----- **LSAREAVKQAARIIYLAHEDNKEKDFELETISWCS** ----- **LSEINGLHKFVKGDLLOBAIDF** 237
gi | 6324938 | ref | NP_015007.1 | ----- **GAHLVMLEPSSGYWYVGAATGKGRQAARA** ----- **ELEKLIENDKKE** ----- **LSARDAVKEAARIIVAHEDNKEKDFELETISWCS** ----- **ASEIDGLHKEVPELFDAAIEF** 242
gi | 45188273 | ref | NP_984496.1 | ----- **GPHLYMVEPSSGAYWYVGAAGKGRQAARA** ----- **ELEKLIENDKKE** ----- **LSARDAVKEAARIIVAHEDNKEKDFELETISWCS** ----- **ASEIDGLHKEVPELFDAAIEF** 242



gi | 24652204 | ref | NP_724834.1 | **GD**AANKDEDSNETH----- 253
gi | 158301380 | ref | XP_321089.3 | **GE**EAVDEDSNEI----- 236
gi | 4506183 | ref | NP_002779.1 | **AK**ESLKEEDESDDNNM----- 255
gi | 114653223 | ref | XP_001164848.1 | **AK**ESLKEEDESDDNNM----- 255
gi | 73963050 | ref | XP_537460.2 | **AK**ESLKEEDESDDNNM----- 255
gi | 76573881 | ref | NP_001004094.1 | **AK**ESLKEEDESDDNNM----- 255
gi | 8394066 | ref | NP_058976.1 | **AK**ESLKEEDESDDNNM----- 255
gi | 31981534 | ref | NP_035314.2 | **AK**ESLKEEDESDDNNM----- 255
gi | 77735429 | ref | NP_001029407.1 | **AK**ESLKEEDESDDNNM----- 255
gi | 57529899 | ref | NP_001006491.1 | **AK**ESLKEEDESDDNNM----- 255
gi | 115440617 | ref | NP_001044588.1 | **AQ**AAL EEMDAD----- 249
gi | 115464609 | ref | NP_001055904.1 | **AQ**AAL EEMDAD----- 276
gi | 15225839 | ref | NP_180270.1 | **AK**TAL EEMDAD----- 249
gi | 71998965 | ref | NP_496177.2 | **AT**AKLDEDDMDD----- 250
gi | 39972865 | ref | XP_367823.1 | **AK**KATEGDDDDDDDKDD--**EK**MEE----- 292
gi | 85116600 | ref | XP_965087.1 | **AE**RMNAKDI EEEETKE**EG**GDKMEE----- 297
gi | 19075540 | ref | NP_588040.1 | **AE**RIADGEEED-----**IA**MQE----- 253
gi | 6324938 | ref | NP_015007.1 | **AK**KEINGDDDEDEDSNVMSSDDE**NA**VAINANA**TD**EGDIHLE----- 288
gi | 45188273 | ref | NP_984496.1 | **AK**KE**IC**QESDDE-----**SS**DD**AS**GG**ES**SK**AD**GDVQLS----- 279

