

gi|50307053|ref|XP_453504.1| FVNLDLDFNKKPIPPAFFINGRLVSCDPLMRRSFYQIVSNFLPKGNKPFVIFSLTIKQVNVNHPKREVRFLNEBEIIDLRLAILLODKLASIDTSRTFKFASVSVN---PYVQVLIQSSNE-----SQD⁶⁰⁰EPSTNL-KMK 600
gi|45198322|ref|NP_985351.1| QIHTPDPFNKKSIPAVFFINRRLVSCDPLRRALSQVVSNFPLKGNKPFVIFSLTIKQVNVNHPKREVRFLNEBEIIDLRLAILLODKLASIDTSRTFKFASVSVN---PYVQVLIQSSNE-----SATPASTIQP-KAK 600
gi|6323819|ref|NP_013890.1| KVCNLDNFISKKSISPIFFINRRLVSCDPLRRALSQVVSNFPLKGNKPFVIFSLTIKQVNVNHPKREVRFLNEBEIIDLRLAILLODKLASIDTSRTFKFASVSVN---PYVQVLIQSSNE-----SATPASTIQP-KAK 600
gi|145612427|ref|XP_367196.2| WCTNANHSVKKTT-LLLFINRRCVSTNKKSLBQVYAAFLPKNGHFFLYLSLEIAPERVDVNVHPTKREVRFLNEBEIIDLRLAILLODKLASIDTSRTFKFASVSVN---PYVQVLIQSSNE-----SATPASTIQP-KAK 600
gi|32417074|ref|XP_329015.1| LATNANYSLKKT-LLLFINRRCVSTNKKSLBQVYAAFLPKNGHFFLYLSLEIAPERVDVNVHPTKREVRFLNEBEIIDLRLAILLODKLASIDTSRTFKFASVSVN---PYVQVLIQSSNE-----SATPASTIQP-KAK 600
gi|19112991|ref|NP_596199.1| FISISADFQDKKSN-LLLFINRRLVSTSLRKAIEIVYAAFLPKNGHFFLYLSLEIAPERVDVNVHPTKREVRFLNEBEIIDLRLAILLODKLASIDTSRTFKFASVSVN---PYVQVLIQSSNE-----SATPASTIQP-KAK 600
gi|19387852|ref|NP_081086.1| YISNANYSVKKCI-FLLFINRRLVSTSLRKAIEIVYAAFLPKNGHFFLYLSLEIAPERVDVNVHPTKREVRFLNEBEIIDLRLAILLODKLASIDTSRTFKFASVSVN---PYVQVLIQSSNE-----SATPASTIQP-KAK 600
gi|13591989|ref|NP_112315.1| YISNANYSVKKCI-FLLFINRRLVSTSLRKAIEIVYAAFLPKNGHFFLYLSLEIAPERVDVNVHPTKREVRFLNEBEIIDLRLAILLODKLASIDTSRTFKFASVSVN---PYVQVLIQSSNE-----SATPASTIQP-KAK 600
gi|4557757|ref|NP_000240.1| YISNANYSVKKCI-FLLFINRRLVSTSLRKAIEIVYAAFLPKNGHFFLYLSLEIAPERVDVNVHPTKREVRFLNEBEIIDLRLAILLODKLASIDTSRTFKFASVSVN---PYVQVLIQSSNE-----SATPASTIQP-KAK 600
gi|114585960|ref|XP_001170433.1| YISNANYSVKKCI-FLLFINRRLVSTSLRKAIEIVYAAFLPKNGHFFLYLSLEIAPERVDVNVHPTKREVRFLNEBEIIDLRLAILLODKLASIDTSRTFKFASVSVN---PYVQVLIQSSNE-----SATPASTIQP-KAK 600
gi|73989704|ref|XP_534219.2| YISNANYSVKKCI-FLLFINRRLVSTSLRKAIEIVYAAFLPKNGHFFLYLSLEIAPERVDVNVHPTKREVRFLNEBEIIDLRLAILLODKLASIDTSRTFKFASVSVN---PYVQVLIQSSNE-----SATPASTIQP-KAK 600
gi|194677180|ref|XP_001790604.1| YISNANYSVKKCI-FLLFINRRLVSTSLRKAIEIVYAAFLPKNGHFFLYLSLEIAPERVDVNVHPTKREVRFLNEBEIIDLRLAILLODKLASIDTSRTFKFASVSVN---PYVQVLIQSSNE-----SATPASTIQP-KAK 600
gi|50732924|ref|XP_418828.1| YITNANYSVKKCI-FLLFINRRLVSTSLRKAIEIVYAAFLPKNGHFFLYLSLEIAPERVDVNVHPTKREVRFLNEBEIIDLRLAILLODKLASIDTSRTFKFASVSVN---PYVQVLIQSSNE-----SATPASTIQP-KAK 600
gi|41054934|ref|NP_956953.1| YISNANYSVKKCI-FLLFINRRLVSTSLRKAIEIVYAAFLPKNGHFFLYLSLEIAPERVDVNVHPTKREVRFLNEBEIIDLRLAILLODKLASIDTSRTFKFASVSVN---PYVQVLIQSSNE-----SATPASTIQP-KAK 600
gi|158300415|ref|XP_320342.4| YVTNVNFSKKGCI-SLMFINRRAVECHALKKAIDAIYAVLPGSAPFVLSLELNPQVNDVNVHPTKREVRFLNEBEIIDLRLAILLODKLASIDTSRTFKFASVSVN---PYVQVLIQSSNE-----SATPASTIQP-KAK 600
gi|17136968|ref|NP_477022.1| LITQVNYSAKRCQ-MLLFINRRLVSTSLRKAIEIVYAAFLPKNGHFFLYLSLEIAPERVDVNVHPTKREVRFLNEBEIIDLRLAILLODKLASIDTSRTFKFASVSVN---PYVQVLIQSSNE-----SATPASTIQP-KAK 600
gi|124803939|ref|XP_001347855.1| LISNPTNNGKKGCI-VIFFINDRLVSTSLRKAIEIVYAAFLPKNGHFFLYLSLEIAPERVDVNVHPTKREVRFLNEBEIIDLRLAILLODKLASIDTSRTFKFASVSVN---PYVQVLIQSSNE-----SATPASTIQP-KAK 600
.....460.....470.....480.....490.....500.....510.....520.....530.....540.....550.....560.....570.....580.....590.....600



gi|50307053|ref|XP_453504.1| RQENKLVRIIDSSVKITNVLRSK-----FEFGASKNKKKMKNIKLIADNDITLQNDGM--EIEINDIEASYGDETSTQH-----TTLRNNYIVVFKQVQVQLVTSIKKIKKQAVDQSHSELT 750
gi|45198322|ref|NP_985351.1| RAENMLVRIIDSSVKITNVLRSK-----FEFGASKNKKKMKNIKLIADNDITLQNDGM--EIEINDIEASYGDETSTQH-----TTLRNNYIVVFKQVQVQLVTSIKKIKKQAVDQSHSELT 750
gi|6323819|ref|NP_013890.1| RQENKLVRIIDSSVKITNVLRSK-----FEFGASKNKKKMKNIKLIADNDITLQNDGM--EIEINDIEASYGDETSTQH-----TTLRNNYIVVFKQVQVQLVTSIKKIKKQAVDQSHSELT 750
gi|145612427|ref|XP_367196.2| QWENMLVRIIDSSVKITNVLRSK-----FEFGASKNKKKMKNIKLIADNDITLQNDGM--EIEINDIEASYGDETSTQH-----TTLRNNYIVVFKQVQVQLVTSIKKIKKQAVDQSHSELT 750
gi|32417074|ref|XP_329015.1| N-ESSLVRIIDSSVKITNVLRSK-----FEFGASKNKKKMKNIKLIADNDITLQNDGM--EIEINDIEASYGDETSTQH-----TTLRNNYIVVFKQVQVQLVTSIKKIKKQAVDQSHSELT 750
gi|19112991|ref|NP_596199.1| TENVLVRIDSSVKITNVLRSK-----FEFGASKNKKKMKNIKLIADNDITLQNDGM--EIEINDIEASYGDETSTQH-----TTLRNNYIVVFKQVQVQLVTSIKKIKKQAVDQSHSELT 750
gi|19387852|ref|NP_081086.1| VVAYQVVRIDSSVKITNVLRSK-----FEFGASKNKKKMKNIKLIADNDITLQNDGM--EIEINDIEASYGDETSTQH-----TTLRNNYIVVFKQVQVQLVTSIKKIKKQAVDQSHSELT 750
gi|13591989|ref|NP_112315.1| VVAYQVVRIDSSVKITNVLRSK-----FEFGASKNKKKMKNIKLIADNDITLQNDGM--EIEINDIEASYGDETSTQH-----TTLRNNYIVVFKQVQVQLVTSIKKIKKQAVDQSHSELT 750
gi|4557757|ref|NP_000240.1| VVAYQVVRIDSSVKITNVLRSK-----FEFGASKNKKKMKNIKLIADNDITLQNDGM--EIEINDIEASYGDETSTQH-----TTLRNNYIVVFKQVQVQLVTSIKKIKKQAVDQSHSELT 750
gi|114585960|ref|XP_001170433.1| VVAYQVVRIDSSVKITNVLRSK-----FEFGASKNKKKMKNIKLIADNDITLQNDGM--EIEINDIEASYGDETSTQH-----TTLRNNYIVVFKQVQVQLVTSIKKIKKQAVDQSHSELT 750
gi|73989704|ref|XP_534219.2| VVAYQVVRIDSSVKITNVLRSK-----FEFGASKNKKKMKNIKLIADNDITLQNDGM--EIEINDIEASYGDETSTQH-----TTLRNNYIVVFKQVQVQLVTSIKKIKKQAVDQSHSELT 750
gi|194677180|ref|XP_001790604.1| VVAYQVVRIDSSVKITNVLRSK-----FEFGASKNKKKMKNIKLIADNDITLQNDGM--EIEINDIEASYGDETSTQH-----TTLRNNYIVVFKQVQVQLVTSIKKIKKQAVDQSHSELT 750
gi|50732924|ref|XP_418828.1| VVAYQVVRIDSSVKITNVLRSK-----FEFGASKNKKKMKNIKLIADNDITLQNDGM--EIEINDIEASYGDETSTQH-----TTLRNNYIVVFKQVQVQLVTSIKKIKKQAVDQSHSELT 750
gi|41054934|ref|NP_956953.1| VVAYQVVRIDSSVKITNVLRSK-----FEFGASKNKKKMKNIKLIADNDITLQNDGM--EIEINDIEASYGDETSTQH-----TTLRNNYIVVFKQVQVQLVTSIKKIKKQAVDQSHSELT 750
gi|158300415|ref|XP_320342.4| RLDYKFRVTSKQKLEKFFN-----ISGSGAGISAGG-----GDPMKKEQDVEVEKLLQPSF-----SRKKK-----VVKREIRLHSIHLQVQVSDQDENLR 750
gi|17136968|ref|NP_477022.1| IYFKEMVRIDSSVKITNVLRSK-----FEFGASKNKKKMKNIKLIADNDITLQNDGM--EIEINDIEASYGDETSTQH-----TTLRNNYIVVFKQVQVQLVTSIKKIKKQAVDQSHSELT 750
gi|124803939|ref|XP_001347855.1| QIDTKRVRIDSSVKITNVLRSK-----FEFGASKNKKKMKNIKLIADNDITLQNDGM--EIEINDIEASYGDETSTQH-----TTLRNNYIVVFKQVQVQLVTSIKKIKKQAVDQSHSELT 750
.....610.....620.....630.....640.....650.....660.....670.....680.....690.....700.....710.....720.....730.....740.....750



gi|50307053|ref|XP_453504.1| NIFANLTVVGVDETRRLASIQCDLKLFLVDYGSICNELFYQIGLSDFSNFGKIMLFDDEDEEAGFNITK-----ILENIDTLRIET-IGEIIEKLTSMKEMMNEVFSIEIETN--DGGWNKARIKSIPLLLKDVNPPLSK 900
gi|45198322|ref|NP_985351.1| SVFADMTVVGVDATRRRLASIQCDLKLFLVDYGSICNELFYQIGLSDFSNFGKIMLFDDEDEEAGFNITK-----ILENIDTLRIET-IGEIIEKLTSMKEMMNEVFSIEIETN--DGGWNKARIKSIPLLLKDVNPPLSK 900
gi|6323819|ref|NP_013890.1| DIFANLTVVGVDETRRLASIQCDLKLFLVDYGSICNELFYQIGLSDFSNFGKIMLFDDEDEEAGFNITK-----ILENIDTLRIET-IGEIIEKLTSMKEMMNEVFSIEIETN--DGGWNKARIKSIPLLLKDVNPPLSK 900
gi|145612427|ref|XP_367196.2| DIFANLTVVGVDETRRLASIQCDLKLFLVDYGSICNELFYQIGLSDFSNFGKIMLFDDEDEEAGFNITK-----ILENIDTLRIET-IGEIIEKLTSMKEMMNEVFSIEIETN--DGGWNKARIKSIPLLLKDVNPPLSK 900
gi|32417074|ref|XP_329015.1| NIFANLTVVGVDETRRLASIQCDLKLFLVDYGSICNELFYQIGLSDFSNFGKIMLFDDEDEEAGFNITK-----ILENIDTLRIET-IGEIIEKLTSMKEMMNEVFSIEIETN--DGGWNKARIKSIPLLLKDVNPPLSK 900
gi|19112991|ref|NP_596199.1| NILTEHKVGLVCPTRRIAAVQNIGLVYVYDYGKLSYHLYQICLTFEGNYGEFVLETPLSISDLFEIVN-----GDDKSESEK-----FTRLLVSRDMKDYFSISVTSGG-----LLTAVEMSPKVPHPFEQ 900
gi|19387852|ref|NP_081086.1| EMLRNHSEVFGCVNPOW--ALAQHQTLYLLNTTKLSEELFYQIILYDFANFGVLRLESEAPAPLFDLAMLALDSESG-----WTEEDGPKKEGLAEYIVFELKKAEMLADYFSLIDEEG-----NLIGLPLLLDNIYVPPLEG 900
gi|13591989|ref|NP_112315.1| EMLRNHSEVFGCVNPOW--ALAQHQTLYLLNTTKLSEELFYQIILYDFANFGVLRLESEAPAPLFDLAMLALDSESG-----WTEEDGPKKEGLAEYIVFELKKAEMLADYFSLIDEEG-----NLIGLPLLLDNIYVPPLEG 900
gi|4557757|ref|NP_000240.1| EMLRNHSEVFGCVNPOW--ALAQHQTLYLLNTTKLSEELFYQIILYDFANFGVLRLESEAPAPLFDLAMLALDSESG-----WTEEDGPKKEGLAEYIVFELKKAEMLADYFSLIDEEG-----NLIGLPLLLDNIYVPPLEG 900
gi|114585960|ref|XP_001170433.1| EMLRNHSEVFGCVNPOW--ALAQHQTLYLLNTTKLSEELFYQIILYDFANFGVLRLESEAPAPLFDLAMLALDSESG-----WTEEDGPKKEGLAEYIVFELKKAEMLADYFSLIDEEG-----NLIGLPLLLDNIYVPPLEG 900
gi|73989704|ref|XP_534219.2| EMLRNHSEVFGCVNPOW--ALAQHQTLYLLNTTKLSEELFYQIILYDFANFGVLRLESEAPAPLFDLAMLALDSESG-----WTEEDGPKKEGLAEYIVFELKKAEMLADYFSLIDEEG-----NLIGLPLLLDNIYVPPLEG 900
gi|194677180|ref|XP_001790604.1| EMLRNHSEVFGCVNPOW--ALAQHQTLYLLNTTKLSEELFYQIILYDFANFGVLRLESEAPAPLFDLAMLALDSESG-----WTEEDGPKKEGLAEYIVFELKKAEMLADYFSLIDEEG-----NLIGLPLLLDNIYVPPLEG 900
gi|50732924|ref|XP_418828.1| EMLRNHSEVFGCVNPOW--ALAQHQTLYLLNTTKLSEELFYQIILYDFANFGVLRLESEAPAPLFDLAMLALDSESG-----WTEEDGPKKEGLAEYIVFELKKAEMLADYFSLIDEEG-----NLIGLPLLLDNIYVPPLEG 900
gi|41054934|ref|NP_956953.1| ELLQNHSEVFGVSPQW--LVQHQTKLYLLNTTKLSEELFYQIILYDFANFGVLRLESEAPAPLFDLAMLALDSESG-----WTEEDGPKKEGLAEYIVFELKKAEMLADYFSLIDEEG-----NLIGLPLLLDNIYVPPLEG 900
gi|158300415|ref|XP_320342.4| KIFRELTVVGVDIRBQ--VLIQVDTKMYLSKVQYLAELFYLQILLFNFGNERLTIENPAPLFDLAMLALDSESG-----WTEEDGPKKEGLAEYIVFELKKAEMLADYFSLIDEEG-----NLIGLPLLLDNIYVPPLEG 900
gi|17136968|ref|NP_477022.1| SFLKLVVGVCDERR--ALFQHETRLYMCNTRSFSEELFYQIILYDFANFGVLRLESEAPAPLFDLAMLALDSESG-----WTEEDGPKKEGLAEYIVFELKKAEMLADYFSLIDEEG-----NLIGLPLLLDNIYVPPLEG 900
gi|124803939|ref|XP_001347855.1| ECLKNHSEVGVNDNMH--SLIQVKEKLLIKMPLIKVETVOSLNLKGLKIPPEFDDPIPLDYLAVVAVNYSVSG-----FYENPNYANKNIKVKVNELEGLFYTYNEMVSDYFSIIEGDC-----IVTFPACCGEYFPGQEF 900
.....760.....770.....780.....790.....800.....810.....820.....830.....840.....850.....860.....870.....880.....890.....900



