

gi|4506753|ref|NP_003698.1| MKTIEEVKST...KTORIASHSHVKGGLD...ESGLAKQAASGLVGG...ENAREACGVIVELIKSKMAGRAVLLAGPPG...GKTALALALAI...ELGSKVPPCPMVGSEVYSTEIKKTEVLMENFRRAIGLRI 124
gi|73984472|ref|XP_533718.2| MKTIEEVKST...KTORIASHSHVKGGLD...ESGLAKQAASGLVGG...ENAREACGVIVELIKSKMAGRAVLLAGPPG...GKTALALALAI...ELGSKVPPCPMVGSEVYSTEIKKTEVLMENFRRAIGLRI 124
gi|9790083|ref|NP_062659.1| MKTIEEVKST...KTORIASHSHVKGGLD...ESGLAKQAASGLVGG...ENAREACGVIVELIKSKMAGRAVLLAGPPG...GKTALALALAI...ELGSKVPPCPMVGSEVYSTEIKKTEVLMENFRRAIGLRI 124
gi|22208848|ref|NP_671706.1| MKTIEEVKST...KTORIASHSHVKGGLD...ESGLAKQAASGLVGG...ENAREACGVIVELIKSKMAGRAVLLAGPPG...GKTALALALAI...ELGSKVPPCPMVGSEVYSTEIKKTEVLMENFRRAIGLRI 124
gi|155371883|ref|NP_001094546.1| MKTIEEVKST...KTORIASHSHVKGGLD...ESGLAKQAASGLVGG...ENAREACGVIVELIKSKMAGRAVLLAGPPG...GKTALALALAI...ELGSKVPPCPMVGSEVYSTEIKKTEVLMENFRRAIGLRI 124
gi|57524964|ref|NP_001006138.1| MKTIEEVKST...KTORIASHSHVKGGLD...ESGLAKQAASGLVGG...ENAREACGVIVELIKSKMAGRAVLLAGPPG...GKTALALALAI...ELGSKVPPCPMVGSEVYSTEIKKTEVLMENFRRAIGLRI 124
gi|41282167|ref|NP_776196.2| MKTIEEVKST...KTORIASHSHVKGGLD...ESGLAKQAASGLVGG...ENAREACGVIVELIKSKMAGRAVLLAGPPG...GKTALALALAI...ELGSKVPPCPMVGSEVYSTEIKKTEVLMENFRRAIGLRI 124
gi|21358125|ref|NP_652608.1| MKTIEEVKST...KTORIASHSHVKGGLD...ESGLAKQAASGLVGG...ENAREACGVIVELIKSKMAGRAVLLAGPPG...GKTALALALAI...ELGSKVPPCPMVGSEVYSTEIKKTEVLMENFRRAIGLRI 124
gi|15242217|ref|NP_197625.1| MKTIEEVKST...KTORIASHSHVKGGLD...ESGLAKQAASGLVGG...ENAREACGVIVELIKSKMAGRAVLLAGPPG...GKTALALALAI...ELGSKVPPCPMVGSEVYSTEIKKTEVLMENFRRAIGLRI 124
gi|115440917|ref|NP_001044738.1| MKTIEEVKST...KTORIASHSHVKGGLD...ESGLAKQAASGLVGG...ENAREACGVIVELIKSKMAGRAVLLAGPPG...GKTALALALAI...ELGSKVPPCPMVGSEVYSTEIKKTEVLMENFRRAIGLRI 124
gi|145607071|ref|XP_361484.2| MVQISEVKGN...SRNRTAAHSHVKGGLD...SDGTADKQASG...TAREACGVIVELIKSKMAGRAVLLAGPPG...GKTALALALAI...ELGSKVPPCPMVGSEVYSTEIKKTEVLMENFRRAIGLRI 125
gi|85075418|ref|XP_955769.1| MVQISEVKGN...SRNRTAAHSHVKGGLD...SDGTADKQASG...TAREACGVIVELIKSKMAGRAVLLAGPPG...GKTALALALAI...ELGSKVPPCPMVGSEVYSTEIKKTEVLMENFRRAIGLRI 125
gi|19115695|ref|NP_594783.1| MVQISEVKGN...SRNRTAAHSHVKGGLD...SDGTADKQASG...TAREACGVIVELIKSKMAGRAVLLAGPPG...GKTALALALAI...ELGSKVPPCPMVGSEVYSTEIKKTEVLMENFRRAIGLRI 125
gi|6320396|ref|NP_010476.1| MVQISEVKGN...SRNRTAAHSHVKGGLD...SDGTADKQASG...TAREACGVIVELIKSKMAGRAVLLAGPPG...GKTALALALAI...ELGSKVPPCPMVGSEVYSTEIKKTEVLMENFRRAIGLRI 133
gi|50307773|ref|XP_453880.1| MVQISEVKGN...SRNRTAAHSHVKGGLD...SDGTADKQASG...TAREACGVIVELIKSKMAGRAVLLAGPPG...GKTALALALAI...ELGSKVPPCPMVGSEVYSTEIKKTEVLMENFRRAIGLRI 127
gi|45200978|ref|NP_986548.1| MVQISEVKGN...SRNRTAAHSHVKGGLD...SDGTADKQASG...TAREACGVIVELIKSKMAGRAVLLAGPPG...GKTALALALAI...ELGSKVPPCPMVGSEVYSTEIKKTEVLMENFRRAIGLRI 129
gi|17558290|ref|NP_505567.1| MDMEVDEALSCTSSRLAPTEEVKST...KIKRIAAHSHVKGGLD...TEQAEHYEAGFVGG...APARTAASIVLDIMIRLCKMAGRAVLLAGPPG...GKTALALALAI...ELGSKVPPCPMVGSEVYSTEIKKTEVLMENFRRAIGLRI 143



gi|4506753|ref|NP_003698.1| KETKEVVEGEVTELTPEENPMGGYGKTIISHVITGLTKAGTKQLKLDPSIFESLQKERVEAGDVIVIEANS GAVKRQGRCDTYATEFDLEAEYVPLPKGDVHKKKEIIDVTLHDLVDANARPC...GGODILSM 259
gi|73984472|ref|XP_533718.2| KETKEVVEGEVTELTPEENPMGGYGKTIISHVITGLTKAGTKQLKLDPSIFESLQKERVEAGDVIVIEANS GAVKRQGRCDTYATEFDLEAEYVPLPKGDVHKKKEIIDVTLHDLVDANARPC...GGODILSM 274
gi|9790083|ref|NP_062659.1| KETKEVVEGEVTELTPEENPMGGYGKTIISHVITGLTKAGTKQLKLDPSIFESLQKERVEAGDVIVIEANS GAVKRQGRCDTYATEFDLEAEYVPLPKGDVHKKKEIIDVTLHDLVDANARPC...GGODILSM 259
gi|22208848|ref|NP_671706.1| KETKEVVEGEVTELTPEENPMGGYGKTIISHVITGLTKAGTKQLKLDPSIFESLQKERVEAGDVIVIEANS GAVKRQGRCDTYATEFDLEAEYVPLPKGDVHKKKEIIDVTLHDLVDANARPC...GGODILSM 259
gi|155371883|ref|NP_001094546.1| KETKEVVEGEVTELTPEENPMGGYGKTIISHVITGLTKAGTKQLKLDPSIFESLQKERVEAGDVIVIEANS GAVKRQGRCDTYATEFDLEAEYVPLPKGDVHKKKEIIDVTLHDLVDANARPC...GGODILSM 259
gi|57524964|ref|NP_001006138.1| KETKEVVEGEVTELTPEENPMGGYGKTIISHVITGLTKAGTKQLKLDPSIFESLQKERVEAGDVIVIEANS GAVKRQGRCDTYATEFDLEAEYVPLPKGDVHKKKEIIDVTLHDLVDANARPC...GGODILSM 259
gi|41282167|ref|NP_776196.2| KETKEVVEGEVTELTPEENPMGGYGKTIISHVITGLTKAGTKQLKLDPSIFESLQKERVEAGDVIVIEANS GAVKRQGRCDTYATEFDLEAEYVPLPKGDVHKKKEIIDVTLHDLVDANARPC...GGODILSM 259
gi|21358125|ref|NP_652608.1| RETKEVVEGEVTELTPEENPMGGYGKTIISHVITGLTKAGTKQLKLDPSIFESLQKERVEAGDVIVIEANS GAVKRQGRCDTYATEFDLEAEYVPLPKGDVHKKKEIIDVTLHDLVDANARPC...GGODVLEM 259
gi|15242217|ref|NP_197625.1| KETKEVVEGEVTELTPEENPMGGYGKTIISHVITGLTKAGTKQLKLDPSIFESLQKERVEAGDVIVIEANS GAVKRQGRCDTYATEFDLEAEYVPLPKGDVHKKKEIIDVTLHDLVDANARPC...GGODILSM 262
gi|115440917|ref|NP_001044738.1| KENKEVVEGEVTELTPEENPMGGYGKTIISHVITGLTKAGTKQLKLDPSIFESLQKERVEAGDVIVIEANS GAVKRQGRCDTYATEFDLEAEYVPLPKGDVHKKKEIIDVTLHDLVDANARPC...GGODILSM 259
gi|145607071|ref|XP_361484.2| RETKEVVEGEVTELTPEENPMGGYGKTIISHVITGLTKAGTKQLKLDPSIFESLQKERVEAGDVIVIEANS GAVKRQGRCDTYATEFDLEAEYVPLPKGDVHKKKEIIDVTLHDLVDANARPC...GGODILSM 260
gi|85075418|ref|XP_955769.1| KETKEVVEGEVTELTPEENPMGGYGKTIISHVITGLTKAGTKQLKLDPSIFESLQKERVEAGDVIVIEANS GAVKRQGRCDTYATEFDLEAEYVPLPKGDVHKKKEIIDVTLHDLVDANARPC...GGODILSM 260
gi|19115695|ref|NP_594783.1| KETKEVVEGEVTELTPEENPMGGYGKTIISHVITGLTKAGTKQLKLDPSIFESLQKERVEAGDVIVIEANS GAVKRQGRCDTYATEFDLEAEYVPLPKGDVHKKKEIIDVTLHDLVDANARPC...GGODILSM 268
gi|6320396|ref|NP_010476.1| KETKEVVEGEVTELTPEENPMGGYGKTIISHVITGLTKAGTKQLKLDPSIFESLQKERVEAGDVIVIEANS GAVKRQGRCDTYATEFDLEAEYVPLPKGDVHKKKEIIDVTLHDLVDANARPC...GGODVLEM 268
gi|50307773|ref|XP_453880.1| KETKEVVEGEVTELTPEENPMGGYGKTIISHVITGLTKAGTKQLKLDPSIFESLQKERVEAGDVIVIEANS GAVKRQGRCDTYATEFDLEAEYVPLPKGDVHKKKEIIDVTLHDLVDANARPC...GGODVLEM 262
gi|45200978|ref|NP_986548.1| KETKEVVEGEVTELTPEENPMGGYGKTIISHVITGLTKAGTKQLKLDPSIFESLQKERVEAGDVIVIEANS GAVKRQGRCDTYATEFDLEAEYVPLPKGDVHKKKEIIDVTLHDLVDANARPC...GGODVLEM 264
gi|17558290|ref|NP_505567.1| KETKDVVEGEVTELTPEENPMGGYGKTIISHVITGLTKAGTKQLKLDPSIFESLQKERVEAGDVIVIEANS GAVKRQGRCDTYATEFDLEAEYVPLPKGDVHKKKEIIDVTLHDLVDANARPC...GGODVLEM 278



gi|4506753|ref|NP_003698.1| MGQLMKPKKTEITDKLRGEINKVVKYIDOGVAELVPGVLFVDEVHMLDIECFYTLHRALESSIAPVIFASNRCNVRGTDITSPHGIPDLDDLDRVMIIRMLYTPQEMKQIKIRAOTEGINISSEALNHLGEGIKTTLRYAVQL 409
gi|73984472|ref|XP_533718.2| MGQLMKPKKTEITDKLRGEINKVVKYIDOGVAELVPGVLFVDEVHMLDIECFYTLHRALESSIAPVIFASNRCNVRGTDITSPHGIPDLDDLDRVMIIRMLYTPQEMKQIKIRAOTEGINISSEALNHLGEGIKTTLRYAVQL 424
gi|9790083|ref|NP_062659.1| MGQLMKPKKTEITDKLRGEINKVVKYIDOGVAELVPGVLFVDEVHMLDIECFYTLHRALESSIAPVIFASNRCNVRGTDITSPHGIPDLDDLDRVMIIRMLYTPQEMKQIKIRAOTEGINISSEALNHLGEGIKTTLRYAVQL 409
gi|22208848|ref|NP_671706.1| MGQLMKPKKTEITDKLRGEINKVVKYIDOGVAELVPGVLFVDEVHMLDIECFYTLHRALESSIAPVIFASNRCNVRGTDITSPHGIPDLDDLDRVMIIRMLYTPQEMKQIKIRAOTEGINISSEALNHLGEGIKTTLRYAVQL 409
gi|155371883|ref|NP_001094546.1| MGQLMKPKKTEITDKLRGEINKVVKYIDOGVAELVPGVLFVDEVHMLDIECFYTLHRALESSIAPVIFASNRCNVRGTDITSPHGIPDLDDLDRVMIIRMLYTPQEMKQIKIRAOTEGINISSEALNHLGEGIKTTLRYAVQL 409
gi|57524964|ref|NP_001006138.1| MGQLMKPKKTEITDKLRGEINKVVKYIDOGVAELVPGVLFVDEVHMLDIECFYTLHRALESSIAPVIFASNRCNVRGTDITSPHGIPDLDDLDRVMIIRMLYTPQEMKQIKIRAOTEGINISSEALNHLGEGIKTTLRYAVQL 409
gi|41282167|ref|NP_776196.2| MGQLMKPKKTEITDKLRGEINKVVKYIDOGVAELVPGVLFVDEVHMLDIECFYTLHRALESSIAPVIFASNRCNVRGTDITSPHGIPDLDDLDRVMIIRMLYTPQEMKQIKIRAOTEGINISSEALNHLGEGIKTTLRYAVQL 409
gi|21358125|ref|NP_652608.1| MGQLMKPKKTEITDKLRGEINKVVKYIDOGVAELVPGVLFVDEVHMLDIECFYTLHRALESSIAPVIFASNRCNVRGTDITSPHGIPDLDDLDRVMIIRMLYTPQEMKQIKIRAOTEGINISSEALNHLGEGIKTTLRYAVQL 409
gi|15242217|ref|NP_197625.1| MGQMMKPKKTEITDKLRGEINKVVKYIDOGVAELVPGVLFVDEVHMLDIECFYTLHRALESSIAPVIFASNRCNVRGTDITSPHGIPDLDDLDRVMIIRMLYTPQEMKQIKIRAOTEGINISSEALNHLGEGIKTTLRYAVQL 411
gi|115440917|ref|NP_001044738.1| MGQMMKPKKTEITDKLRGEINKVVKYIDOGVAELVPGVLFVDEVHMLDIECFYTLHRALESSIAPVIFASNRCNVRGTDITSPHGIPDLDDLDRVMIIRMLYTPQEMKQIKIRAOTEGINISSEALNHLGEGIKTTLRYAVQL 408
gi|145607071|ref|XP_361484.2| MGQLMKPKKTEITDKLRGEINKVVKYIDOGVAELVPGVLFVDEVHMLDIECFYTLHRALESSIAPVIFASNRCNVRGTDITSPHGIPDLDDLDRVMIIRMLYTPQEMKQIKIRAOTEGINISSEALNHLGEGIKTTLRYAVQL 410
gi|85075418|ref|XP_955769.1| MGQLMKPKKTEITDKLRGEINKVVKYIDOGVAELVPGVLFVDEVHMLDIECFYTLHRALESSIAPVIFASNRCNVRGTDITSPHGIPDLDDLDRVMIIRMLYTPQEMKQIKIRAOTEGINISSEALNHLGEGIKTTLRYAVQL 410
gi|19115695|ref|NP_594783.1| MGQLMKPKKTEITDKLRGEINKVVKYIDOGVAELVPGVLFVDEVHMLDIECFYTLHRALESSIAPVIFASNRCNVRGTDITSPHGIPDLDDLDRVMIIRMLYTPQEMKQIKIRAOTEGINISSEALNHLGEGIKTTLRYAVQL 410
gi|6320396|ref|NP_010476.1| MGQLMKPKKTEITDKLRGEINKVVKYIDOGVAELVPGVLFVDEVHMLDIECFYTLHRALESSIAPVIFASNRCNVRGTDITSPHGIPDLDDLDRVMIIRMLYTPQEMKQIKIRAOTEGINISSEALNHLGEGIKTTLRYAVQL 418
gi|50307773|ref|XP_453880.1| MGQLMKPKKTEITDKLRGEINKVVKYIDOGVAELVPGVLFVDEVHMLDIECFYTLHRALESSIAPVIFASNRCNVRGTDITSPHGIPDLDDLDRVMIIRMLYTPQEMKQIKIRAOTEGINISSEALNHLGEGIKTTLRYAVQL 412
gi|45200978|ref|NP_986548.1| MGQLMKPKKTEITDKLRGEINKVVKYIDOGVAELVPGVLFVDEVHMLDIECFYTLHRALESSIAPVIFASNRCNVRGTDITSPHGIPDLDDLDRVMIIRMLYTPQEMKQIKIRAOTEGINISSEALNHLGEGIKTTLRYAVQL 414
gi|17558290|ref|NP_505567.1| VSGLMTPKKTEITDKLRGEINKVVKYIDOGVAELVPGVLFVDEVHMLDIECFYTLHRALESSIAPVIFASNRCNVRGTDITSPHGIPDLDDLDRVMIIRMLYTPQEMKQIKIRAOTEGINISSEALNHLGEGIKTTLRYAVQL 414



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gi |4506753|ref|NP_003698.1| LTPANLLAKINGKDSIEKEHVVEISELFYDAKSSAKILAD--QODKYMK 456
gi |73984472|ref|XP_533718.2| LTPANLLAKINGKDSIEKEHVVEISELFYDAKSSAKILAD--QODKYMK 471
gi |9790083|ref|NP_062659.1| LTPANLLAKINGKDSIEKEHVVEISELFYDAKSSAKILAD--QODKYMK 456
gi |22208848|ref|NP_671706.1| LTPANLLAKINGKDSIEKEHVVEISELFYDAKSSAKILAD--QODKYMK 456
gi |155371883|ref|NP_001094546.1| LTPANLLAKINGKDSIEKEHVVEISELFYDAKSSAKILAD--QODKYMK 456
gi |57524964|ref|NP_001006138.1| LTPANLLAKINGKDSIEKEHVEEINELFYDAKSSAKILAD--QOEKYMK 456
gi |41282167|ref|NP_776196.2| LTPASLLARVQGREVVEKEHVEEINELFYDAKSSAKILAD--HTKFMK 456
gi |21358125|ref|NP_652608.1| LTPAHQMCKVNGRNQISKDDIEDVHSLFLDAKRSKHLSE--KNNKFML 456
gi |15242217|ref|NP_197625.1| LSPASIVAKMGRDNICKADIEEVTSLYLDKSSAKLLHE--QOEKYMK 458
gi |115440917|ref|NP_001044738.1| LSPASVVAKANGREKISKADLEEVSLYLDKSSAKLLQE--QOERYIT 455
gi |145607071|ref|XP_361484.2| LYPSSILARVNGRKEIDIKDVAECEDLFLDARRSALLASGDTASGFIV 459
gi |85075418|ref|XP_955769.1| LTPASILAKVNGRNEIDVDVAECEDLFLDARRSALLSS--EQQEFIC 458
gi |19115695|ref|NP_594783.1| LTPVSIASLHGNKEIGVDIEECNDLFLDARRSAQVVKSS--SSGFLO 456
gi |6320396|ref|NP_010476.1| LAPCGILAQSNRKEIVVNDVNEAKLLFLDAKRSKILET---SANVYL 463
gi |50307773|ref|XP_453880.1| LSPGGIIAKIANRAEISVADVBEAKLLFLDAKRSKILEQ---SENVYL 457
gi |45200978|ref|NP_986548.1| LTPAGILAAAGRTTEILLSIEEAKMLFLDAKRSKILES---NSNYL 459
gi |17558290|ref|NP_505567.1| ----LCAQCGREVIIEVDVDRCTKLFMDRGESLKKAEEMRQPKNKK 458

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