NP_015283 *Saccharomyces cerevisiae* P39073 2107321A AAA35193 AAC13785 AAB68178 Cyclin-dependent protein kinase, component of RNA polymerase II holoenzyme; involved in phosphorylation of the RNA polymerase II C-terminal domain; involved in glucose repr

XP_449318 *Candida glabrata CBS 138* CAG62292 unnamed protein product/unnamed protein product

XP_721039 *Candida albicans SC5314* XP_720918 EAL02098 EAL02225 putative protein kinase/putative protein kinase /likely protein kinase /likely protein kinase

XP_460746 *Debaryomyces hansenii CBS767* CAG89087 hypothetical protein DEHA0F09735g/unnamed protein product

NP_593389 *Schizosaccharomyces pombe 972h-* O13958 *Schizosaccharomyces pombe* CAB11671 hypothetical protein SPAC23H4.17c/PRK1_SCHPO Serine/threonine-protein kinase prk1 (Suppressor of RNA polymerase B srb10)/SPAC23H4.17c

XP_759278 *Ustilago maydis 521* EAK84361 hypothetical protein UM03131.1/hypothetical protein UM03131.1

XP_501702 *Yarrowia lipolytica CLIB122* CAG82011 hypothetical protein/unnamed protein product

XP_754225 *Aspergillus fumigatus Af293* EAL92187 cyclin-dependent protein kinase/cyclin-dependent protein kinase, putative

BAE60857 *Aspergillus oryzae* unnamed protein product

EAQ85592 *Chaetomium globosum CBS 148.51* hypothetical protein CHGG_06845

XP_568416 *Cryptococcus neoformans var. neoformans JEC21* EAL17515 *Cryptococcus neoformans var. neoformans B-3501A* AAW46899 *Cryptococcus neoformans var. neoformans JEC21* cyclin-dependent protein kinase/hypothetical protein CNBM0820 /cyclin-dependen

XP_384660 *Gibberella zeae PH-1* EAA73268 AAY99646 *Gibberella moniliformis* hypothetical protein FG04484.1/hypothetical protein FG04484.1 /Fck1

XP_327458 *Neurospora crassa* XP_957397 *Neurospora crassa N150* EAA28161 *Neurospora crassa* CAD71134 hypothetical protein/hypothetical protein /hypothetical protein /related to cyclin-dependent kinase chain SRB10

XP_367045 *Magnaporthe grisea 70-15* hypothetical protein MG10675.4

3159_Cre

NP_492357 *Caenorhabditis elegans* CAB03083 Cyclin-Dependent Kinase family member (cdk-8)/Hypothetical protein F39H11.3

CAE66954 *Caenorhabditis briggsae* Hypothetical protein CBG12346

AAM50971 *Drosophila melanogaster* RE13344p

XP_319061 *Anopheles gambiae str. PEST* NP_536735 *Drosophila melanogaster* Q9VT57 AAB38385 AAF50197 EAA13852 *Anopheles gambiae str. PEST* ENSANGP00000013182/Cyclin-dependent kinase 8 CG10572-PA /CDK8_DROME Cell division protein kinase 8 (DmCdk8)/Cdk8

NP_919389 *Danio rerio* AAG01892 cyclin-dependent kinase 8/cyclin dependent kinase 8

XP_792916 *Strongylocentrotus purpuratus* NP_705827 *Mus musculus* NP_989246 *Xenopus tropicalis* XP_849851 *Canis familiaris* XP_228203 *Rattus norvegicus* XP_855153 *Canis familiaris* NP_055891 *Homo sapiens* XP_589209 *Bos taurus* NP_001251 *Homo sap*

XP_647600 *Dictyostelium discoideum AX4* BAB68407 *Dictyostelium discoideum* EAL73173 cyclin-dependent kinase/cyclin-dependent kinase 8 /cyclin-dependent kinase

Ppa_CDKE1_35_1

Ppa_CDKE1_62_1

Smo_CDKE1_10_1

CAA65981 *Medicago sativa* cdc2MsE

NP_922902 *Oryza sativa* (japonica cultivar-group) AAG46164 AAP55188 ABB48043 ABB48044 ABB48045 putative serine/threonine kinase /putative serine/threonine kinase /serine/threonine kinase, putative /serine/threonine kinase, putative /serine/threonine k

AT5G63610 = NP_201166 BAB10454 AAO64158 CAD29165 AAT36644 AAV85731 HEN3 (HUA ENHANCER 3); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /cdc2-like protein kinase-like protein /putative cyclin-dependent kin

AT1G67580 = NP_176925 AAG52294 AAL32577 AAL32755 ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /putative protein kinase /putative protein kinase /putative protein kinase

1660_Cre

AAV68598 *Ostreococcus tauri* CDK activating kinase/cell cycle dependent kinase D

NP_001249 *Homo sapiens* Q00526 CAA47001 AAV40830 cyclin-dependent kinase 3/CDK3_HUMAN Cell division protein kinase 3 /serine/threonine protein kinase /cyclin-dependent kinase 3

AAV28534 *Saccharum officinarum* cell-division-cycle-2 kinase; cyclin-dependent kinase

B40444 *Zea mays* A40444 P23111 AAA33479 AAD10483 *Triticum aestivum* B40444 protein kinase (EC 2.7.1.37) cdc2 homolog B - maize (fragment)/A40444 protein kinase (EC 2.7.1.37) cdc2 homolog A - maize/CDC2_MAIZE Cell division control protein 2 homolog (p

1814443A *Oryza sativa* (japonica cultivar-group) P29618 CAA42922 *Oryza sativa* (japonica cultivar-group) 1814443A cdc2 protein:ISOTYPE=cdc2Os-1/CDC21_ORYSA Cell division control protein 2 homolog 1 /Rcdc2-1

CAD43850 *Daucus carota* cell division cycle protein 2

CAA76700 *Lycopersicon esculentum* cyclin-dependent protein kinase p34cdc2

CAD29319 *Juglans nigra* x *Juglans regia* cyclin-dependent kinase

CAA76701 *Lycopersicon esculentum* cyclin-dependent protein kinase p34cdc2

BAA33152 *Pisum sativum* cdc2

AAB02567 *Nicotiana tabacum* cdc2 gene product

BAE06269 *Scutellaria baicalensis* cyclin-dependent kinase A2

BAA09369 *Nicotiana tabacum* AAG01534 cdc2 homolog/cyclin-dependent kinase A:4

Q38772 *Antirrhinum majus* T11715 CAA54746 *Picea abies* AAC41680 *Petroselinum crispum* CAA66233 *Antirrhinum majus* CAA56815 *Pinus contorta* AAL37195 *Helianthus annuus* AAL47481 *Helianthus tuberosus* BAE06268 *Scutellaria baicalensis* CAD43177 *Cof*

P93101 *Chenopodium rubrum* CAA71242 AAK16652 *Populus tremula* x *Populus tremuloides* CDC2_CHERU Cell division control protein 2 homolog (p34cdc2)/cyclin dependent kinase p34 /CDC2 homolog

XP_463933 *Oryza sativa* (japonica cultivar-group) XP_463932 P29619 *Oryza sativa* 1814443B CAA42923 *Oryza sativa* (japonica cultivar-group) BAD07949 BAD07950 putative p34cdc2/p34cdc2 /CDC22_ORYSA Cell division control protein 2 homolog 2 /1814443B cd

AT3G48750 = NP_566911 P24100 T49271 CAA40971 AAA32831 BAA01623 AAB22607 AAB23643 AAA92823 *Brassica napus* CAB87903 *Arabidopsis thaliana* AAL91258 AAM61706 ABD59044 CDC2A (CELL DIVISION CONTROL 2); kinase/protein binding /CDC2A_ARATH Cell division

XP_636601 *Dictyostelium discoideum AX4* EAL63070 *Dictyostelium discoideum* CDC2-like protein/CDC2 related protein

XP_766249 *Theileria parva strain Muguga* XP_954049 *Theileria annulata strain Ankara* CAA67306 *Theileria annulata* CAA67342 *Theileria parva* CAI73372 *Theileria annulata* EAN33966 *Theileria parva* cell division control protein 2 related kinase/cdc2

AAU87546 *Tetrahymena thermophila* EAS01666 *Tetrahymena thermophila SB210* cdc2 protein kinase/Ribosomal protein L13 containing protein

10.000