NDPK2 (AT5G63310): global
File name: NDPK2.njtree3.svg
45 aa residues 266 OTU used.
Results of 2 partial trees included
Assemble Job IdKmgoSa selectNalign: nrosZm
Tree job id: ZeNwtz
BP values out of 100
Analyzed by thirai@nibb.ac.jp
Date: Thu Jun 22 10:49:45 JST 2006

4256_Cre AAS15573 Chlamydomonas reinhardtii flagellar radial spoke nucleoside diphosphate kinase
EAR89336 Tetrahymena thermophila SB210 V-type ATPase 116kDa subunit family protein
10931_Cre
BAD92286 Homo sapiens nucleoside-diphosphate kinase 7 isoform a variant
AT1G17410 = NP_173184 AAF79488 AAS77477 AAS88761 ATP binding/nucleoside diphosphate kinase /F1L3.7 /At1g17410 /At1g17410
XP_466285 Oryza sativa (japonica cultivar-group) BAD15823 putative outer arm dynein intermediate chain 1/putative outer arm dynein intermediate chain 1
Smo_NDPK2_10_1
Smo_NDPK2_3_1(pt2)
NP_214093 Aquifex aeolicus VF5 O67528 Aquifex aeolicus AAC07481 Aquifex aeolicus VF5 nucleoside diphosphate kinase/NDK, AQUAE Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /nucleoside diphosphate kinase
NP_296219 Deinococcus radiodurans R1 Q9RFU1 Deinococcus radiodurans F75266 AAF12041 Deinococcus radiodurans R1 nucleoside diphosphate kinase/NDK, DEIRA Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/F75266 nucleoside diph
NP_143454 Thermus thermophilus HB8 Q5SJV5 1WKL 1WKL 1WKL 1WKL 1WKL 1WKK BAC67669 Thermus thermophilus BAD70011 Thermus thermophilus HB8 nucleoside diphosphate kinase/A Chain A, Crystal Structure Of Nucleoside Diphosphate Kinase From Thermus Therm
NP_341781 Sulfolobus solfataricus P2 Q980Q7 Sulfolobus solfataricus AAK40571 Sulfolobus solfataricus P2 Nucleoside diphosphate kinase (NDP kinase) (ndk)/NDK, SULSO Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /Nucleosid
O58429 Pyrococcus horikoshii NDK_PYRHO Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)
NP_363594 Nanoarchaeum equitans Kin4-M AAR39155 hypothetical protein NEQ307/NEQ307
ZP_00770938 Mycobacterium tuberculosis F11 ZP_00878075 Mycobacterium tuberculosis C NP_216961 Mycobacterium tuberculosis H37Rv NP_337006 Mycobacterium tuberculosis CDC1551 NP_856119 Mycobacterium bovis AF2122/97 P84284 Mycobacterium tuberculo
ZP_250331 Corynebacterium jeikeium K411 CAI36713 hypothetical protein jk0554/ndk
ZP_148062 Geobacillus kaustophilus HTA426 Q5KXU2 Geobacillus kaustophilus BAD76484 Geobacillus kaustophilus HTA426 nucleoside diphosphate kinase/NDK, GEOKA Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/nucleoside-diphosp
ZP_692708 Oceanobacillus iheyensis HTE831 Q8EQB4 Oceanobacillus iheyensis BAC13743 Oceanobacillus iheyensis HTE831 nucleoside diphosphate kinase/NDK, OCEIH Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /nucleoside-diphos
ZP_01172019 Bacillus sp. NRRL B-14911 EAR65392 nucleoside diphosphate kinase/nucleoside diphosphate kinase
NP_242520 Bacillus halodurans C-125 Q9KCB9 Bacillus halodurans BAB05373 Bacillus halodurans C-125 nucleoside diphosphate kinase/NDK, BACHD Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /nucleoside diphosphate kinase
ZP_014551 Listeria monocytogenes str. 4b F2365 Q71Y86 AAT04728 nucleoside diphosphate kinase/NDK, LISMF Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /nucleoside diphosphate kinase
NP_465453 Listeria monocytogenes EGD-e ZP_00234986 Listeria monocytogenes str. 1/2a F6854 Q8Y5X4 Listeria monocytogenes CAD00007 EAL05180 Listeria monocytogenes str. 1/2a F6854 hypothetical protein lmo1929 /nucleoside diphosphate kinase /NDK_LI
ZP_01961367 Staphylococcus saprophyticus subsp. saprophyticus ATCC 15305 BAE1842 nucleoside diphosphate kinase/nucleoside diphosphate kinase ATCC 15305 BAE1842 nucleoside diphosphate kinase
ZP_188614 Staphylococcus epidermidis RP62A Q8CSI0 Staphylococcus epidermidis ATCC 12228 Q5HP76 Staphylococcus epidermidis RP62A AAW54428 nucleoside diphosphate kinase/NDK_STAES Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kina
→Ppa_NDPK2_2_2 (pt2より)
BAC98400 Halomicrobium mukohataei nucleoside diphosphate kinase
BAC88404 Halobacterium salinarum nucleoside diphosphate kinase
XP_952294 Theileria annulata strain Ankara CAI74562 Theileria annulata nucleoside diphosphate kinase/nucleoside diphosphate kinase, putative
Ppa_NDPK2939986661_1
ZP_01150231 Desulfotomaculum reducens MI-1 EAR42367 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
NP_441918 Synechocystis sp. PCC 6803 P74494 BAA18596 nucleoside diphosphate kinase/NDK, SYNY3 Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /nucleoside diphosphate kinase
AT4G11010 = NP_192839 O49203 AAC00512 AAC33956 CAB40069 CAB81202 AAK59688 AAL33810 NDPK3 (NUCLEOSIDE DIPHOSPHATE KINASE 3); ATP binding/nucleoside diphosphate kinase /NDK3_ARATH Nucleoside diphosphate kinase III, chloroplast/mitochondrial precursor
BAB86842 Brassica rapa NDPK III
AT4G09320 = NP_567609 Q9LAH8 CAB43880 CAB81338 BAB19789 AAM65336 BAC42534 ATP binding/nucleoside diphosphate kinase /NDK4_ARATH Nucleoside diphosphate kinase IV, chloroplast/mitochondrial precursor (NDK IV) (NDP kinase IV) (NDPK IV) (Nucleoside diph
XP_476035 Oryza sativa (japonica cultivar-group) AAV59386 AAW57792 putative nucleoside diphosphate kinase/putative nucleoside diphosphate kinase /putative nucleoside diphosphate kinase
BAC98420 Halomicrobium mukohataei nucleoside diphosphate kinase
BAC88404 Halobacterium salinarum nucleoside diphosphate kinase
Ppa_NDPK2_5_1 Ppa_NDPK2_6_1
→Ppa_NDPK2982574318_1← Ppa_NDPK2_6_1
Smo_NDPK2_12_1 Smo_NDPK2_9_1
XP_641417 Dictyostelium discoideum AX4 EAL67427 Dictyostelium discoideum NDP kinase/nucleoside diphosphate kinase
EAL18409 Cryptococcus neoformans var. neoformans B-3501A hypothetical protein CNBJ3320
XP_567275 Cryptococcus neoformans var. neoformans JEC21 AAW45758 nucleoside-diphosphate kinase/nucleoside-diphosphate kinase, putative
NP_585910 Encephalitozoon cuniculi GB-M1 CAD25514 NUCLEOSIDE DIPHOSPHATASE KINASE A/NUCLEOSIDE DIPHOSPHATASE KINASE A
XP_308641 Anopheles gambiae str. PEST EAA04524 ENSANGP00000011253/ENSANGP00000011253
Q6XI71 Drosophila yakuba AAR09984 NDKA_DROYA Nucleoside diphosphate kinase (NDK) (NDP kinase) (Abnormal wing disks protein)/similar to Drosophila melanogaster awd
ABD72677 Acyrthosiphon pisum abnormal wing disks-like protein
AAM53644 Choristoneura parallela abnormal wing disc-like protein
Ppa_NDPK2997338160_1
AAX09326 Suberites domuncula nucleoside diphosphate kinase Nm23-SD1
EAR89586 Tetrahymena thermophila SB210 Nucleoside diphosphate kinase family protein
XP_386148 Gibberella zeae PH-1 EAA75617 hypothetical protein FG05972.1/hypothetical protein FG05972.1
XP_570963 Cryptococcus neoformans var. neoformans JEC21 EAL29002 Cryptococcus neoformans var. neoformans B-3501A AAW43656 Cryptococcus neoformans var. neoformans JEC21 nucleoside-diphosphate kinase/hypothetical protein CNBE2630 /nucleoside-diphos
XP_747995 Aspergillus fumigatus Af293 Q7ZBP9 Aspergillus fumigatus AAR65295 EAL85957 Aspergillus fumigatus Af293 nucleoside diphosphate kinase/NDK, ASPFU Nucleoside diphosphate kinase (NDK) (NDP kinase) /nucleoside diphosphate kinase /nucleoside d
CAB65369 Leishmania major CAJ08823 nucleoside diphosphate kinase B /nucleoside diphosphate kinase b
XP_829670 Trypanosoma brucei TREU927 EAN80558 Trypanosoma brucei nucleoside diphosphate kinase/nucleoside diphosphate kinase
P27950 Gingiymostoma cirratum AAA49312 NDK_GINCI Nucleoside diphosphate kinase (NDK) (NDP kinase)/nucleoside diphosphate kinase
NP_002730 Mus musculus 1516349A P15532 AAA63391 AAA63392 AAB42080 AAB87689 AAH05629 BAC28973 CAI33364 BAE22943 nucleoside-diphosphate kinase 1/1516349A nm23 gene/NDKA_MOUSE Nucleoside diphosphate kinase A (NDK A) (NDP kinase A) (Tumor metastatic proc
XP_612557 Rattus norvegicus Q05982 BAA02635 expressed in non-metastatic cells 1, protein (NM23A) (nucleoside diphosphate kinase)/NDKA_RAT Nucleoside diphosphate kinase A (NDK A) (NDP kinase A) (Tumor metastatic process-associated protein) (Metastasis
1BE4 Bos taurus 1BE4 B Chain B, Nucleoside Diphosphate Kinase Isoform B From Bovine Retina/A Chain A, Nucleoside Diphosphate Kinase Isoform B From Bovine Retina
ABD18456 Sus scrofa nm23-H2
XP_872457 Bos taurus PREDICTED: similar to Nucleoside diphosphate kinase B (NDK B) (NDP kinase B) (nm23-H2) (C-myc purine-binding transcription factor PUF) isoform 1
NP_001018146 Homo sapiens AAX36595 synthetic construct AAI07895 Homo sapiens NME1-NME2 protein/non-metastatic cells 2 /NME2 protein
CAH89484 Pongo pygmaeus hypothetical protein
XP_032731 Mus musculus O01768 CAA48275 BAB28246 AAH66995 AAH86893 AAH86892 CAI35363 BAE40900 BAE30250 BAE29543 nucleoside-diphosphate kinase 2/NDKB_MOUSE Nucleoside diphosphate kinase B (NDK B) (NDP kinase B) (nm23-M2) (P18)/nucleoside diphosphate ki
Q90380 Columba livia AAC60275 AAC78437 NDK_COLLI Nucleoside diphosphate kinase (NDK) (NDP kinase)/nucleoside diphosphate kinase /nucleoside diphosphate kinase
P70011 Xenopus laevis CAA66476 AAH67332 NDKA2_XENLA Nucleoside diphosphate kinase A2 (NDK A2) (NM23/nucleoside diphosphate kinase A2)/NM23/nucleoside diphosphate kinase /Nme1 protein
NP_571001 Danio rerio AAF60971 non-metastatic cells 2, protein (NM23B) expressed in/nucleoside diphosphate kinase B
AAO42980 Oncorhynchus mykiss nucleoside diphosphate kinase
AAO30320 Salmo salar nucleoside diphosphate kinase
XP_414714 Gallus gallus PREDICTED: similar to expressed in non-metastatic cells 3
ZP_005000 Homo sapiens O00246 1EHW 1EHW CAA6897 1EHW CAA6897 CAC37288 AAK61230 AAH17067 AAQ02438 synthetic construct AAV38242 AAV38243 AAV38244 AAV38245 Homo sapiens AAV38281 synthetic construct AAX41293 AAX42881 AAX42882 AAX42883 AAX42884 nucleos
gi|99WV85 Mus musculus BAB25013 AAH28503 NDK3_MOUSE Nucleoside diphosphate kinase 3 (NDK 3) (NDP kinase 3) (Nucleoside diphosphate kinase C) (NDPKC) (nm23-M3) (DR-nm23)/unnamed protein product /Nucleoside diphosphate kinase DR-nm23
BAB22162 Mus musculus unnamed protein product
NP_445959 Rattus norvegicus AAG54075 non-metastatic cells 3, protein expressed in/nucleoside diphosphate kinase DR-nm23
XP_593721 Bos taurus PREDICTED: similar to Nucleoside diphosphate kinase 3 (NDK 3) (NDP kinase 3) (Nucleoside diphosphate kinase C) (NDPKC) (nm23-H3) (DR-nm23) isoform 1
P48817 Brugia malayi AAA90988 NDK_BRUMA Nucleoside diphosphate kinase (NDK) (NDP kinase)/nucleoside diphosphate kinase
XP_677983 Plasmodium berghei strain ANKA CAH97108 Plasmodium berghei nucleoside diphosphate kinase b/nucleoside diphosphate kinase b; putative
XP_725287 Plasmodium yoelii yoelii str. 17XNL EAA16852 Plasmodium yoelii yoelii nucleoside diphosphate kinase/nucleoside diphosphate kinase
XP_785322 Strongylocentrotus purpuratus PREDICTED: similar to Nucleoside diphosphate kinase A (NDK A) (NDP kinase A) (Tumor metastatic process-associated protein) (Metastasis inhibition factor nm23) (nm23-H1) (Granzyme A-activated DNase) (GAAD)
AAV66978 Ixodes scapularis nucleoside-diphosphate kinase
XP_449921 Candida glabrata CBS 138 CAG62901 hypothetical protein CAGL0M13277g/unnamed protein product
gnl|CMER|CML110C_nucleoside-diphosphate_kinase
ZP_01164138 Lactobacillus reuteri JCM 1112 EAR58365 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
ZP_00323494 Pediococcus pentosaceus ATCC 25745 COG0105: Nucleoside diphosphate kinase
ZP_01125278 Synechococcus sp. WH 7805 EAR17317 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
ZP_378172 Synechococcus sp. CC9902 ABB27129 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
YP_382797 Synechococcus sp. CC9605 ABB36242 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
YP_292570 Prochlorococcus marinus str. NATL2A AAZ58867 nucleoside-diphosphate kinase/nucleoside-diphosphate kinase
NP_895972 Prochlorococcus marinus str. MIT 9313 Q7V425 CAE22322 Nucleoside-diphosphate kinase/NDK, PROMM Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/Nucleoside diphosphate kinase
NP_892167 Prochlorococcus marinus subsp. pastoris str. CCMP1986 Q7V3M8 CAE18505 Nucleoside diphosphate kinase/NDK_PROMP Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/Nucleoside diphosphate kinase
YP_396544 Prochlorococcus marinus str. MIT 9312 ABB49108 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
ZP_01006252 Prochlorococcus marinus str. MIT 9211 EAQ09990 Nucleoside diphosphate kinase/Nucleoside diphosphate kinase
ZP_00111884 Nostoc punctiforme PCC 73102 COG0105: Nucleoside diphosphate kinase
ZP_00576606 Trichodesmium erythraeum IMS101 EAQ05585 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
ZP_00513837 Crocosphaera watsonii WH 8501 EAM53040 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
YP_401514 Synechococcus elongatus PCC 7942 YP_172319 Synechococcus elongatus PCC 6301 Q5N1M1 P50590 Synechococcus elongatus PCC 7942 AAA81018 BAD79799 Synechococcus elongatus PCC 6301 ABB58527 Synechococcus elongatus PCC 7942 Nucleoside-dipho
YP_476531 Synechococcus sp. JA-2-3B'a(2-13) ABD01268 nucleoside diphosphate kinase/nucleoside diphosphate kinase
gi|LEO Dictyostelium discoideum P100s Nucleoside Diphosphate Kinase
1LWX Dictyostelium discoideum 1LWX 1LWX C Chain C, Apt Diphosphate Binding To Nucleoside Diphosphate Kinase/B Chain B, Apt Diphosphate Binding To Nucleoside Diphosphate Kinase /A Chain A, Apt Diphosphate Binding To Nucleoside Diphosphate Kinase
NP_681058 Thermosynechococcus elongatus BP-1 Q8DM56 Synechococcus elongatus BAC07820 Thermosynechococcus elongatus BP-1 nucleoside diphosphate kinase/NDK, SYNEL Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /nucleoside d
gnl|CMER|CMK060C_nucleoside-diphosphate_kinase
324_Cre
Ppa_NDPK2_4_1
Ppa_NDPK2_3_1
P47921 Lycopersicon esculentum AAZ85394 Solanum chacoense NDK_LYCES Nucleoside diphosphate kinase (NDK) (NDP kinase)/cytosolic nucleoside diphosphate kinase
Q96559 Helianthus annuus AAB67996 NDK_HELAN Nucleoside diphosphate kinase (NDK) (NDP kinase)/nucleoside diphosphate kinase
P47920 Flaveria bidentis AAA19005 NDKB_FLABI Nucleoside diphosphate kinase B (NDK B) (NDP kinase B)/nucleoside diphosphate kinase
P47919 Flaveria bidentis AAA19004 NDKA_FLABI Nucleoside diphosphate kinase A (NDK A) (NDP kinase A)/nucleoside diphosphate kinase
Q02254 Spinacia oleracea BAA01510 NDK1_SPIOL Nucleoside diphosphate kinase 1 (Nucleoside diphosphate kinase I) (NDPK I)/nucleoside diphosphate kinase I
BAD18927 Codonopsis lanceolata nucleoside diphosphate kinase 1
P47922 Pisum sativum CAA50511 BAA12982 NDK1_PEA Nucleoside diphosphate kinase 1 (Nucleoside diphosphate kinase I) (NDK I) (NDP kinase I) (NDPK I)/nucleoside-diphosphate kinase /PNDKN1
AAN77500 Glycine max nucleoside diphosphate kinase
1U8W Arabidopsis thaliana 1U8W 1U8W P39207 1U8W S31444 1U8W 1U8W CAA49170 AAC17844 CAB55695 CAB78055 AAK48956 AAL66933 C Chain C, Crystal Structure Of Arabidopsis Thaliana Nucleoside Diphosphate Kinase 1/A Chain A, Crystal Structure Of Arabidopsis Tha
←AtNDPK1
Smo_NDPK2_4_2 Smo_NDPK2_11_1
XP_478187 Oryza sativa (japonica cultivar-group) Q07661 Oryza sativa BAA03798 BAC83301 Oryza sativa (japonica cultivar-group) BAD30551 NUCLEOSIDE DIPHOSPHATE KINASE I/NDK1_ORYSA Nucleoside diphosphate kinase 1 (Nucleoside diphosphate kinase I) (N
Os07g0492000
AAT07118 Oryza sativa (japonica cultivar-group) nucleoside diphosphate kinase 1/OsNDPK1
Os07g0492000
NP_922751 Oryza sativa (japonica cultivar-group) AAG60181 AAP55038 putative nucleoside diphosphate kinase/putative nucleoside diphosphate kinase /nucleoside diphosphate kinase, putative
10919_Cre
Ppa_NDPK2_1_1
~~Ppa_NDPK2_8_1~~ (pt1 putate pseudo gene with large deletion)
Ppa_NDPK2_7_1
Smo_NDPK2_8_1
~~Smo_NDPK2_6_1~~ (pt1 putative pseudo gene with frame shift)
Smo_NDPK2_5_1
P47923 Pisum sativum CAA86071 NDK2_PEA Nucleoside diphosphate kinase 2, chloroplast precursor (Nucleoside diphosphate kinase II) (NDK II) (NDP kinase II) (NDPK II)/nucleoside diphosphate kinase II, precursor
BAC55280 Nicotiana tabacum nucleoside diphosphate kinase
BAD11342 Oryza sativa (japonica cultivar-group) ABA98879 BR1-KD interacting protein 114/Nucleoside diphosphate kinase
Q01402 Spinacea oleracea BAA00018 NDK2_SPIOL Nucleoside diphosphate kinase 2, chloroplast precursor (Nucleoside diphosphate kinase II) (NDK II) (NDP kinase II) (NDPK II)/nucleoside diphosphate kinase II
BAC05487 Brassica rapa nucleoside diphosphate kinase 2
AT5G63310 = NP_568970 1S57 1S57 1S57 1S57 1S57 O64903 1S59 1S59 1S59 1S59 1S59 1S57 1S59 AAC14280 CAB58230 AAL14407 AAL38767 AAM51441 NDPK2 (NUCLEOSIDE DIPHOSPHATE KINASE 2); ATP binding/nucleoside diphosphate kinase /A Chain A, Crystal Structure Of
←AtNDPK2
AAO19933 Arabidopsis thaliana nucleoside diphosphate kinase type 2 AT5G63310
NP_873538 Haemophilus ducreyi 35000HP Q7VMD0 Haemophilus ducreyi AAP95927 Haemophilus ducreyi 35000HP nucleoside diphosphate kinase/NDK_HAEDU Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /nucleoside diphosphate kinase
ZP_00133909 Actinobacillus pleuropneumoniae serovar 1 str. 4074 COG0105: Nucleoside diphosphate kinase
ZP_445205 Salinibacter ruber DSM 13855 ABC04829 nucleoside diphosphate kinase/nucleoside diphosphate kinase
ZP_00513170 Chlorobium limicola DSM 245 EAM42200 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
ZP_00589554 Pelodictyon phaeoclathratiforme BU-1 EAN25255 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
ZP_374160 Pelodictyon luteolum DSM 273 ABB23117 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
ZP_00527714 Chlorobium phaeobacteroides DSM 266 EAM36157 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
ZP_00662001 Prosthecochloris vibrioformis DSM 265 EAO14715 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
ZP_00531123 Chlorobium phaeobacteroides BS1 EAM84513 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
ZP_00591068 Prosthecochloris aestuarii DSM 271 EAN23873 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
NP_662878 Chlorobium tepidum TLS Q8KAZ6 Chlorobaculum tepidum AAM73220 Chlorobium tepidum TLS nucleoside diphosphate kinase/NDK, CHLTE Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /nucleoside diphosphate kinase
ZP_01051602 Cellulophaga sp. MED134 EAO37632 nucleoside diphosphate kinase/nucleoside diphosphate kinase
ZP_01202372 Flavobacteria bacterium BBFL7 EAS19666 nucleoside diphosphate kinase A/nucleoside diphosphate kinase A
ZP_00950789 Croceibacter atlanticus HTCC2559 EAP86497 nucleoside diphosphate kinase/nucleoside diphosphate kinase
ZP_266139 Candidatus Pelagibacter ubique HTCC1062 AAZ21536 Nucleoside diphosphate kinase/Nucleoside diphosphate kinase
ZP_00676233 Pelobacter propionicus DSM 2379 EAO38443 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
YP_385609 Geobacter metallireducens GS-15 Q39S70 ABB32904 Nucleoside-diphosphate kinase/NDK, GEOMS Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/Nucleoside diphosphate kinase
NP_952163 Geobacter sulfurreducens PCA Q74E54 Geobacter sulfurreducens AAR34436 Geobacter sulfurreducens PCA nucleoside diphosphate kinase/NDK, GEOSL Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/nucleoside diphosphate k
YP_011546 Desulfovibrio vulgaris subsp. vulgaris str. Hildenborough Q729L7 AAS96806 nucleoside diphosphate kinase/NDK, DESVH Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/nucleoside diphosphate kinase
YP_387933 Desulfovibrio desulfuricans G20 Q312A8 ABB38238 Nucleoside-diphosphate kinase/NDK, DESSG Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/nucleoside diphosphate kinase
ZP_00523135 Solibacter usitatus Ellin6076 EAM57797 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
ZP_00056011 Magnetospirillum magnetotacticum MS-1 COG0105: Nucleoside diphosphate kinase
YP_427256 Rhodospirillum rubrum ATCC 11170 ABC22869 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
→Smo_NDPK2862192289_2 (pt1)
ZP_01158410 Oceanicola granulosus HTCC2516 EAR49471 nucleoside diphosphate kinase/nucleoside diphosphate kinase
ZP_01037445 Roseovarius sp. 217 EAQ03991 nucleoside diphosphate kinase/nucleoside diphosphate kinase
ZP_00620641 Silicibacter sp. TM1040 EAN57923 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
YP_167661 Silicibacter pomeroyi DSS-3 Q5LQP4 Silicibacter pomeroyi AAV95698 Silicibacter pomeroyi DSS-3 nucleoside diphosphate kinase/NDK, SILPO Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/nucleoside diphosphate kinase
ZP_00962341 Sulfitobacter sp. NAS-14.1 ZP_00954861 Sulfitobacter sp. EE-36 EAP80734 Sulfitobacter sp. NAS-14.1 EAP84369 Sulfitobacter sp. EE-36 nucleoside diphosphate kinase/nucleoside diphosphate kinase /
ZP_01057273 Roseobacter sp. MED193 EAD44962 nucleoside diphosphate kinase/nucleoside diphosphate kinase
ZP_00999231 Oceanicola batsensis HTCC2597 EAQ03481 nucleoside diphosphate kinase/nucleoside diphosphate kinase
ZP_00961021 Roseovarius nubinhibens ISM EAP76592 nucleoside diphosphate kinase/nucleoside diphosphate kinase
ZP_00629489 Paracoccus denitrificans PD1222 EAN67052 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
ZP_00919665 Rhodobacter sphaeroides ATCC 17029 YP_352955 Rhodobacter sphaeroides 2.4.1 ABA79054 EAP67195 Rhodobacter sphaeroides ATCC 17029 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase /Nucleoside-dip
ZP_00914393 Rhodobacter sphaeroides ATCC 17025 EAP64248 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
YP_509764 Jannaschia sp. CCS1 ABD54739 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
ZP_01003666 Loktanella vestfoldensis SKA53 EAQ06459 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
ZP_01012741 Rhodobacterales bacterium HTCC2654 EAQ13646 nucleoside diphosphate kinase/nucleoside diphosphate kinase
YP_770759 Bradyrhizobium japonicum USDA 110 Q89MS3 Bradyrhizobium japonicum BAD43984 Bradyrhizobium japonicum USDA 110 nucleoside diphosphate kinase/NDK, BRAJA Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /nucleoside di
ZP_00845290 Rhodopseudomonas palustris BisB18 ABD87872 Nucleoside diphosphate kinase/Nucleoside diphosphate kinase
ZP_00861018 Bradyrhizobium sp. BTAi1 EAP28518 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
YP_948395 Rhodopseudomonas palustris CGA009 Q6N0C3 Rhodopseudomonas palustris CGA009 nucleoside-diphosphate-kinase/NDK, RHOPA Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/nucleoside-d
YP_486101 Rhodopseudomonas palustris HaA2 ABD07190 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
NP_420508 Caulobacter crescentus CB15 Q9A7M2 Caulobacter vibrioides AAK23676 Caulobacter crescentus CB15 nucleoside diphosphate kinase/NDK, CAUCR Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/nucleoside diphosphate kinas
NP_354141 Agrobacterium tumefaciens str. C58 NP_531819 Q8UG99 AAK88920 AAL42135 nucleoside diphosphate kinase/nucleoside diphosphate kinase/nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /AGR_C_2077p /nucleoside d
NP_697708 Brucella suis 1330 YP_414157 Brucella melitensis biovar Abortus 2308 YP_221449 Brucella abortus biovar 1 str. 9-941 Q2YN40 Brucella melitensis biovar Abortus 2308 Q57E46 Brucella melitensis biovar Abortus Q8G1J9 Brucella melitensis
NP_540173 Brucella melitensis 16M Q8YGA4 Brucella melitensis AAL52437 Brucella melitensis 16M nucleoside diphosphate kinase/NDK, BRUME Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /NUCLEOSIDE DIPHOSPHATE KINASE
ZP_00611178 Mesorhizobium sp. BNC1 EAN08358 Nucleoside-diphosphate kinase
YP_469002 Rhizobium etli CFN 42 ABC90275 nucleoside-diphosphate-kinase protein/nucleoside-diphosphate-kinase protein
NP_385270 Sinorhizobium meliloti 1021 Q92QN3 Sinorhizobium meliloti CAC45743 nucleoside diphosphate kinase/NDK_RHIME Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /PROBABLE NUCLEOSIDE DIPHOSPHATE KINASE PROTEIN
ZP_00941592 Bartonella bacilliformis KC583 COG0105: Nucleoside diphosphate kinase
YP_033388 Bartonella henselae str. Houston-1 Q6G426 Bartonella henselae CAF27361 Bartonella henselae str. Houston-1 nucleoside diphosphate kinase/NDK, BARHE Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /Nucleoside diphos
YP_032148 Bartonella quintana str. Toulouse Q6GXK3 Bartonella quintana CAF25968 Bartonella quintana str. Toulouse nucleoside diphosphate kinase/NDK, BARQU Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /Nucleoside diphosp
YP_496173 Novosphingobium aromaticivorans DSM 12444 ABD25339 Nucleoside-diphosphate kinase
ZP_01040281 Erythrobacter sp. NAP1 EAQ30752 nucleoside diphosphate kinase/nucleoside diphosphate kinase
YP_458661 Erythrobacter litoralis HTCC2594 ABC63864 probable nucleoside diphosphate kinase protein/probable nucleoside diphosphate kinase protein
Smo_NDPK2721080433_1
ZP_00957801 Oceanicaulis alexandrii HTCC2633 EAP88888 nucleoside diphosphate kinase/nucleoside diphosphate kinase
ZP_01017991 Parvularcula bermudensis HTCC2503 EAQ16438 nucleoside diphosphate kinase/nucleoside diphosphate kinase
ZP_01145537 Acidiphilium cryptum JF-5 EAR40307 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
YP_154238 Anaplasma marginale str. St. Maries Q5PBP7 AAV86983 nucleoside diphosphate kinase/NDK, ANAMM Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /nucleoside diphosphate kinase
YP_505748 Anaplasma phagocytophilum HZ AAN15208 Anaplasma phagocytophilum ABA42499 Anaplasma phagocytophilum HZ nucleoside diphosphate kinase/NDK, ANAPH Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /nucleoside diphosphate kinase
YP_198547 Wolbachia endosymbiont strain TRS of Brugia malayi Q5GRR9 AAW71305 Nucleoside diphosphate kinase/NDK, WOLTR Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /Nucleoside diphosphate kinase
NP_966895 Wolbachia endosymbiont of Drosophila melanogaster Q73FY9 Wolbachia sp. wMel AAS14829 Wolbachia endosymbiont of Drosophila melanogaster nucleoside diphosphate kinase/NDK, WOLPM Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside
ZP_00373513 Wolbachia endosymbiont of Drosophila ananassae EAL58965 nucleoside diphosphate kinase/nucleoside diphosphate kinase
YP_303522 Ehrlichia canis str. Jake AAZ68924 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
YP_507901 Ehrlichia chaffeensis str. Arkansas ZP_00545136 Ehrlichia chaffeensis str. Sapulpa EAM85495 ABD45237 Ehrlichia chaffeensis str. Arkansas nucleoside diphosphate kinase /Nucleoside-diphosphate kinase /Nucleoside-diphosphate kinase /nucleos
YP_180719 Ehrlichia ruminantium str. Welgevonden YP_180794 Q5HA25 CAHS8597 CAD27420 nucleoside diphosphate kinase/Nucleoside diphosphate kinase /NDK, EHRRW Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /nucleoside diphosphat
YP_196824 Ehrlichia ruminantium str. Gardel Q5FGN1 CAI28350 Nucleoside diphosphate kinase/NDK, EHRRG Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /Nucleoside diphosphate kinase
ZP_00339799 Rickettsia akari str. Hartford COG0105: Nucleoside diphosphate kinase
YP_246136 Rickettsia felis URWXCal2 Q4UN87 Rickettsia felis AAY60971 Rickettsia felis URWXCal2 nucleoside diphosphate kinase/NDK, RICFE Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /Nucleoside diphosphate kinase
YP_220449 Rickettsia prowazekii str. Madrid E Q9ZE91 Rickettsia prowazekii CAA14526 nucleoside diphosphate kinase/NDK, RICPR Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/NUCLEOSIDE DIPHOSPHATE KINASE (ndk)
YP_067045 Rickettsia typhi str. Wilmington Q68XS9 Rickettsia typhi AAU03563 Rickettsia typhi str. Wilmington nucleoside diphosphate kinase/NDK, RICTY Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/nucleoside-diphosphate k
ZP_00153150 Rickettsia rickettsii NP_359720 Rickettsia conorii str. Malish 7 ZP_00142138 Rickettsia sibirica 246 Q92JJ4 Rickettsia conorii AAL00921 Rickettsia conorii str. Malish 7 EAA25847 Rickettsia sibirica 246 COG0105: Nucleoside diphos
ZP_00371969 Campylobacter