NDPK2 (AT5G63310): partial tree
File name:NDPK2.pt1.svg
41 aa residues 236 OTU included.
Partial tree including **Ppa_NDPK2_8_1**, **Smo_NDPK2_6_1** and **Smo_NDPK2862192289_2**
Assemble Job Id:Kmgo3a selectNalign: nrosZm
Tree job id: WkSRq1
BP values out of 100
Analyzed by thirai@nibb.ac.jp
Date: Thu Jun 22 10:40:05 JST 2006

4256_Cre AAS15573 Chlamydomonas reinhardtii flagellar radial spoke nucleoside diphosphate kinase
BAD92286 Homo sapiens nucleoside-diphosphate kinase 7 isoform a variant
EAR89336 Tetrahymena thermophila SB210 V-type ATPase 116kDa subunit family protein
10931_Cre
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
XP_516435 Pan troglodytes AAQ02443 synthetic construct PREDICTED: similar to nucleoside diphosphate kinase type 6; inhibitor of p53-induced apoptosis-alpha/non-metastatic cells nucleoside-diphosphate kinase 6
NP_296219 Deinococcus radiodurans R1 Q9RRJ1 Deinococcus radiodurans FY5266 AAF12041 Deinococcus radiodurans R1 nucleoside diphosphate kinase/NDK_DEIRA Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/FY5266 nucleoside diph
ZP_00770938 Mycobacterium tuberculosis F11 ZP_00870975 Mycobacterium tuberculosis C NP_216961 Mycobacterium tuberculosis H37Rv NP_337006 Mycobacterium tuberculosis CDC1551 NP_856119 Mycobacterium bovis AF2122/97 P84284 Mycobacterium tuberculo
YP_250331 Corynebacterium jeikeium K411 CAI36713 hypothetical protein jk0554/ndk
YP_148062 Geobacillus kaustophilus HTA426 Q5KXU2 Geobacillus kaustophilus BAD76494 Geobacillus kaustophilus HTA426 nucleoside diphosphate kinase/NDK_GEOKA Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/nucleoside-diphosp
ZP_01172019 Bacillus sp. NRRL B-14911 EAR65392 nucleoside diphosphate kinase/nucleoside diphosphate kinase
NP_692708 Oceanobacillus iheyensis HTE831 Q8ECB4 Oceanobacillus iheyensis BAC13743 Oceanobacillus iheyensis HTE831 nucleoside diphosphate kinase/NDK_OCEIH Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /nucleoside-diphos
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
BAC98400 Halomicrobium mukohataei nucleoside diphosphate kinase
BAC89404 Halobacterium salinarum nucleoside diphosphate kinase
YP_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
NP_005000 Homo sapiens O00746 1EHW 1EHW CAA66877 AAH04880 CAC37288 AAK61230 AAH17067 AAQ02438 synthetic construct AAV38242 AAV38243 AAV38244 AAV38245 Homo sapiens AAV38281 synthetic construct AAX41293 AAX42881 AAX42882 AAX42883 AAX42884 nucleos
NP_341781 Sulfolobus solfataricus P2 Q980Q7 Sulfolobus solfataricus AAK40571 Sulfolobus solfataricus P2 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)
YP_143454 Thermus thermophilus HB8 1WKJ Q5SLV5 1WKL 1WKL 1WKJ 1WKX 1WKK BAC67699 Thermus thermophilus BAD70011 Thermus thermophilus HB8 nucleoside diphosphate kinase/A Chain A, Crystal Structure Of Nucleoside Diphosphate Kinase From Thermus Therm
XP_952294 Theileria annulata strain Ankara CAI74562 Theileria annulata nucleoside diphosphate kinase, putative
324_Cre
ZP_01164138 Lactobacillus reuteri JCM 1112 EAR58365 Nucleoside-diphosphate kinase/nucleoside diphosphate kinase
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
P47919 Flaveria bidentis AAA19004 NDK4_FLABI Nucleoside diphosphate kinase A (NDK A) (NDP kinase A)/nucleoside diphosphate kinase
P47920 Flaveria bidentis AAA19005 NDK8_FLABI Nucleoside diphosphate kinase B (NDK B) (NDP kinase B)/nucleoside diphosphate kinase
BAD18927 Codonopsis lanceolata nucleoside diphosphate kinase 1
P47922 Pisum sativum CAA50511 BAA12982 AAN77500 Glycine max NDK1_PEA Nucleoside diphosphate kinase 1 (Nucleoside diphosphate kinase I) (NDK I) (NDP kinase I) (NDPK I)/nucleoside-diphosphate kinase /PNDKN1 /nucleoside diphosphate kinase
Q02254 Spinacia oleracea BAA01510 NDK1_SPIOL Nucleoside diphosphate kinase 1 (Nucleoside diphosphate kinase I) (NDK I) (NDP kinase I) (NDPK I)/nucleoside diphosphate kinase I
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
NP_922751 Oryza sativa (japonica cultivar-group) AAG60181 AAP55038 putative nucleoside diphosphate kinase/putative nucleoside diphosphate kinase /nucleoside diphosphate kinase, putative
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) AAT70416 BAD30551 NUCLEOSIDE DIPHOSPHATE KINASE I/NDK1_ORYSA Nucleoside diphosphate kinase 1 (Nucleoside diphosphate kin
XP_308641 Anopheles gambiae str. PEST EAA04524 ENSANGP00000011253/ENSANGP00000011253
P70011 Xenopus laevis CAA66476 AAH87324 NDKA2_XENLA Nucleoside diphosphate kinase A2 (NDK A2) (NDP kinase A2) (NM23/nucleoside diphosphate kinase A2)/NM23/nucleoside diphosphate kinase /Nme1 protein
Q6XI71 Drosophila yakuba AAR09884 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
P27950 Gingiymostoma cirratum AAA49312 NDK_GINCI Nucleoside diphosphate kinase (NDK) (NDP kinase)/nucleoside diphosphate kinase
XP_902730 Mus musculus 1516349A P15532 AAA53391 AAA52808 AAB42080 AAB97689 AAH05629 BAC28873 CAI35364 BAE22943 nucleoside-diphosphate kinase 1/1516349A nm23 gene/NDKA_MOUSE Nucleoside diphosphate kinase A (NDK A) (NDP kinase A) (Tumor metastatic proc
NP_001018146 Homo sapiens CAH89484 Pongo pygmaeus AAX36595 synthetic construct AAI07895 Homo sapiens ABD18456 Sus scrofa NME1-NME2 protein/hypothetical protein /non-metastatic cells 2 /NME2 protein /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_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
NP_032751 Mus musculus O01768 CAA48275 BAB28246 AAH66995 AAH86893 AAH86892 CAI53363 BAE40900 BAE30250 BAE29543 nucleoside diphosphate kinase B (NDK B) (NDP kinase B) (nm23-M2) (P18)/nucleoside diphosphate ki
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
AAO42980 Oncorhynchus mykiss nucleoside diphosphate kinase
AAO03020 Salmo salar nucleoside diphosphate kinase
NP_571001 Danio rerio AAF60971 non-metastatic cells 2, protein (NM23B) expressed in/nuclease diphosphate kinase B
Q90380 Columba livia AAC60275 AAC78437 NDK_COLLI Nucleoside diphosphate kinase (NDK) (NDP kinase)/nucleoside diphosphate kinase
AAX09326 Suberites domuncula nucleoside diphosphate kinase Nm23-SD1
Ppa_NDPK2997338160_1
Q9WV85 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
XP_414714 Gallus gallus PREDICTED: similar to expressed in non-metastatic cells 3
YP_301367 Staphylococcus saprophyticus subsp. saprophyticus ATCC 15305 BAE18412 nucleoside diphosphate kinase/nucleoside diphosphate kinase
XP_641417 Dictyostelium discoideum AX4 EAL67427 Dictyostelium discoideum NDP kinase/nucleoside diphosphate kinase
gnl|CMER|CML110C_nucleoside-diphosphate_kinase
XP_386148 Gibberella zeae PH-1 EAA75617 hypothetical protein FG05972.1/hypothetical protein FG05972.1
XP_570963 Cryptococcus neoformans var. neoformans JEC21 EAL20902 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 Q7Z8P9 Aspergillus fumigatus AAP85295 EAL85957 Aspergillus fumigatus Af293 nucleoside diphosphate kinase/NDK_ASPFU Nucleoside diphosphate kinase (NDK) (NDP kinase) /nucleoside diphosphate kinase /nucleoside d
EAR89586 Tetrahymena thermophila SB210 Nucleoside diphosphate kinase family protein
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)
CAB55369 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
XP_449821 Candida glabrata CBS 138 CAGL0M13277g hypothetical protein CAGL0M13277g/unnamed protein product
P48817 Bugula malayi AAA90988 NDK_BRUMA Nucleoside diphosphate kinase (NDK) (NDP kinase)/nucleoside diphosphate kinase
AAY66978 Ixodes scapularis nucleoside-diphosphate kinase
XP_627983 Plasmodium berghei strain ANKA XP_725287 Plasmodium yoelii yoelii str. 17XNL EAA16852 Plasmodium yoelii yoelii CAH97108 Plasmodium berghei nucleoside diphosphate kinase b;/nucleoside diphosphate kinase /nucleoside diphosphate kinase /
ZP_01150231 Desulfotomaculum reducens MI-1 EAR42367 Nucleoside-diphosphate kinase/nucleoside diphosphate kinase
Dictyostelium discoideum P100s Nucleoside Diphosphate Kinase
1JWX Dictyostelium discoideum 1JWX 1JWX C Chain C, Azt Diphosphate Binding To Nucleoside Diphosphate Kinase/B Chain B, Azt Diphosphate Binding To Nucleoside Diphosphate Kinase /A Chain A, Azt Diphosphate Binding To 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
NP_585910 Encephalitozoon cuniculi GB-M1 CAD25514 NUCLEOSIDE DIPHOSPHATASE KINASE A/NUCLEOSIDE DIPHOSPHATASE KINASE A
YP_014551 Listeria monocytogenes str. 4b F2365 Q71Y86 AAT04728 nucleoside diphosphate kinase/NDK_LISMF Nucleoside diphosphate kinase (NDK) (NDP 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
XP_567275 Cryptococcus neoformans var. neoformans JEC21 EAL18409 Cryptococcus neoformans var. neoformans B-3501A AAW45758 Cryptococcus neoformans var. neoformans JEC21 nucleoside-diphosphate kinase/hypothetical protein CNBJ3320 /nucleoside-diphos
ZP_01125278 Synechococcus sp. WH 7805 EAR17317 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
YP_382797 Synechococcus sp. CC9605 ABB36242 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
YP_378172 Synechococcus sp. CC9902 ABB27129 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_874444 Prochlorococcus marinus subsp. marinus str. CCMP1375 AAP99096 Nucleoside diphosphate kinase/Nucleoside diphosphate kinase
ZP_01006252 Prochlorococcus marinus str. MIT 9211 EAQ09990 Nucleoside diphosphate 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
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
BAA96460 Brassica rapa nucleoside diphosphate kinase 3
1W7W Pisum sativum 1W7W 1W7W 1W7W 1W7W 1W7W AAF08537 F Chain F, Structure And Mutational Analysis Of A Plant Mitochondrial Nucleoside Diphosphate Kinase: Identification Of Residues Involved In Serine Phosphorylation And Oligomerization./E Chain E, Str
ZP_02110218A Spinacia oleracea P81766 AAB34017 2110218A NDP kinase/NDK3_SPIOL Nucleoside diphosphate kinase 3 (Nucleoside diphosphate kinase III) (NDK III) (NDP kinase III) (NDPK III) /nucleoside diphosphate kinase type III, NDP kinase III/EC 2.7.4.6
AT4G23000 = NP_567699 Q8LAH8 AAL91899 AAB81338 BAB10178 AAM65336 BAB25314 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
CAC84493 Pinus pinaster putative nucleoside diphosphate kinase
Smo_NDPK2_12_1 Smo_NDPK2_9_1
Ppa_NDPK2_5_1 Ppa_NDPK2_6_1
ZP_00111884 Nostoc punctiforme PCC 73102 COG0105: Nucleoside diphosphate kinase
YP_401514 Synechococcus elongatus PCC 7942 YP_172319 Synechococcus elongatus PCC 6301 Q5N1M1 P50590 Synechococcus elongatus PCC 7942 AAA81018 BAD78799 Synechococcus elongatus PCC 6301 ABB58527 Synechococcus elongatus PCC 7942 Nucleoside-dipho
ZP_00675606 Trichodesmium erythraeum IMS101 EAO25585 Nucleoside diphosphate kinase/Nucleoside-diphosphate kinase
ZP_00513837 Crocosphaera watsonii WH 8501 EAM53040 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
YP_476531 Synechococcus sp. JA-2-3B'a(2-13) ABD01268 nucleoside diphosphate kinase/nucleoside diphosphate kinase
gnl|CMER|CMK060C_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
Ppa_NDPK2_1_1
Ppa_NDPK2_7_1
Ppa_NDPK2_8_1
10919_Cre
Smo_NDPK2_8_1 Smo_NDPK2_5_1
Smo_NDPK2_6_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
Q01402 Spinacia oleracea BAA92018 NDK2_SPIOL Nucleoside diphosphate kinase 2, chloroplast precursor (Nucleoside diphosphate kinase II) (NDK II) (NDP kinase II) (NDPK II)/nucleoside diphosphate kinase II
LBAD11342 Oryza sativa (japonica cultivar-group) ABA98879 BRI1-KD interacting protein 114/Nucleoside diphosphate kinase
BAC55280 Nicotiana tabacum nucleoside diphosphate kinase
BAC05487 Brassica rapa nucleoside diphosphate kinase 2
AT5G63310 = NP_568970 1S59 1S57 1S57 1S57 1S57 O64903 1S59 1S59 1S59 1S57 1S59 1S59 1S57 AAC14280 AAC15253 CAB58230 AAL14407 AAL38767 AAM51441 NDPK2 (NUCLEOSIDE DIPHOSPHATE KINASE 2); ATP binding/nucleoside diphosphate kinase /F Chain F, Structure O
BAC55152 Halomonas sp. #593 nucleoside diphosphate kinase
AAC44154 Pseudomonas aeruginosa Ndk
ZP_00901270 Pseudomonas putida F1 NP_743010 Pseudomonas putida KT2440 YP_262038 Pseudomonas fluorescens Pf-5 Q88PK1 Pseudomonas putida KT2440 AAN66474 BAD01055 Pseudomonas putida AAY94187 Pseudomonas fluorescens Pf-5 EAP49598 Pseudomonas pu
YP_234333 Pseudomonas syringae pv. syringae B728a YP_273574 Pseudomonas syringae pv. phaseolicola 1448A NP_791256 Pseudomonas syringae pv. tomato str. DC3000 Q886Z4 Pseudomonas syringae pv. tomato str. D
YP_169420 Francisella tularensis subsp. tularensis SCHU S4 YP_513981 Francisella tularensis subsp. holarctica Q5NHS2 Francisella tularensis subsp. tularensis CAG45006 Francisella tularensis subsp. tularensis SCHU S4 AAK78066 synthetic construct
ZP_01101391 gamma proteobacterium KT 71 EAQ99492 nucleoside diphosphate kinase/nucleoside diphosphate kinase
Smo_NDPK2972918942_1
ZP_00654043 Psychrobacter cryohalolentis K5 YP_263971 Psychrobacter arcticus 273-4 AAZ18537 EAO11232 Psychrobacter cryohalolentis K5 Nucleoside-diphosphate kinase/putative nucleoside diphosphate kinase /putative nucleoside diphosphate kinase /Nuc
ZP_00586940 Shewanella amazonensis SB2B EAN38645 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
YP_051313 Erwinia carotovora subsp. atroseptica SCRI1043 Q6D272 Pectobacterium atrosepticum CAG76122 Erwinia carotovora subsp. atroseptica SCRI1043 nucleoside diphosphate kinase/NDK_ERWCT Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleosi
ZP_00827233 Yersinia mollaretii ATCC 43969 YP_001373164 Yersinia pseudotuberculosis IP 32953 ZP_00832807 Yersinia intermedia ATCC 29909 ZP_00830213 Yersinia frederiksenii ATCC 33641 ZP_00792469 Yersinia pseudotuberculosis IP 31758 Q667Z5 Yersini
NP_994060 Yersinia pestis biovar Medievalis str. 91001 ZP_01176048 Yersinia pestis biovar Orientalis str. IP275 NP_406388 Yersinia pestis CO92 NP_668671 Yersinia pestis KIM ZP_00795482 Yersinia pestis Angola Q8ZCT2 Yersinia pestis CA92134
ZP_00821255 Yersinia bercovieri ATCC 43970 COG0105: Nucleoside diphosphate kinase
YP_341635 Pseudoalteromonas haloplanktis TAC125 CAI89189 nucleoside diphosphate kinase/nucleoside diphosphate kinase
ZP_00133909 Actinobacillus pleuropneumoniae serovar 1 str. 4074 COG0105: Nucleoside diphosphate kinase
ZP_00056011 Magnetospirillum magnetotacticum MS-1 COG0105: Nucleoside diphosphate kinase
YP_427256 Rhodospirillum rubrum ATCC 11170 ABC22969 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
Smo_NDPK2862192289_2
YP_496173 Novosphingobium aromaticivorans DSM 12444 ABD25339 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
Smo_NDPK2721080433_1
ZP_01158410 Oceanicola granulosus HTCC2516 EAR49471 nucleoside diphosphate kinase/nucleoside diphosphate kinase
ZP_00620641 Silicibacter sp. TM1040 EAN57923 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase 2
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_01057273 Roseobacter sp. MED193 EAQ44962 nucleoside diphosphate kinase/nucleoside diphosphate kinase
ZP_01037445 Roseovarius sp. 217 EAQ23991 nucleoside diphosphate kinase/nucleoside diphosphate kinase
ZP_00962341 Sulfitobacter sp. NAS-14.1 ZP_00954861 Sulfitobacter sp. EE-36 EAP78734 Sulfitobacter sp. NAS-14.1 EAP84369 Sulfitobacter sp. EE-36 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
NP_354141 Agrobacterium tumefaciens str. C58 NP_531819 Q8UBX0 Agrobacterium tumefaciens str. C58 AAL45135 nucleoside diphosphate kinase /NDK_AGRT5 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 Q8G1L9 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/Nucleoside-diphosphate kinase
ZP_469002 Rhizobium etli CFN 42 ABC90277 YP_469002 Rhizobium etli CFN 42 nucleoside diphosphate kinase/nucleoside diphosphate kinase protein
NP_385270 Sinorhizobium meliloti 1021 Q92QX9 Sinorhizobium meliloti CAC45743 nucleoside diphosphate kinase/NDK_RHIME Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /PROBABLE NUCLEOSIDE DIPHOSPHATE KINASE PROTEIN
YP_770759 Bradyrhizobium japonicum USDA 110 Q89MS3 Bradyrhizobium japonicum BAC49384 Bradyrhizobium japonicum USDA 110 nucleoside diphosphate kinase/NDK_BRAJA Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /nucleoside di
ZP_00861018 Bradyrhizobium sp. BTAi1 EAP28518 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
YP_486101 Rhodopseudomonas palustris HaA2 ABD07195 Nucleoside diphosphate kinase/Nucleoside-diphosphate kinase
NP_948395 Rhodopseudomonas palustris CGA009 Q6N5C3 Rhodopseudomonas palustris CAE28497 Rhodopseudomonas palustris CGA009 nucleoside diphosphate kinase/NDK_RHOPA Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/nucleoside-d
ZP_00845290 Rhodopseudomonas palustris BisB18 ABD87872 Nucleoside diphosphate kinase/Nucleoside-diphosphate kinase
ZP_00629489 Paracoccus denitrificans PD1222 AAN67052 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
ZP_00919665 Rhodobacter sphaeroides ATCC 17029 YP_353955 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 ZP_01003666 Loktanella vestfoldensis SKA53 EAQ06459 ABD54739 Jannaschia sp. CCS1 Nucleoside-diphosphate kinase /Nucleoside-diphosphate kinase /Nucleoside-diphosphate kinase
ZP_01012741 Rhodobacterales bacterium HTCC2654 EAQ13646 nucleoside diphosphate kinase/nucleoside diphosphate kinase
ZP_00676233 Pelobacter propionicus DSM 2379 EAO38443 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
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_DESDG Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/Nucleoside-diphosphate kinase
YP_385629 Geobacter metallireducens GS-15 Q39S70 ABB32904 Nucleoside diphosphate kinase/NDK_GEOMG 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
ZP_00523135 Solibacter usitatus Ellin6076 EAM57797 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
ZP_00957801 Oceanicaulis alexandrii HTCC2633 EAP88888 nucleoside diphosphate kinase/nucleoside diphosphate kinase
ZP_01017991 Parvularcula bermudensis HTCC2503 EAQ16436 nucleoside diphosphate kinase/nucleoside diphosphate kinase
ZP_01145537 Acidiphilium cryptum JF-5 EAR40307 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_00662001 Prosthecochloris vibrioformis DSM 265 EAO14715 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
YP_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_00531123 Chlorobium phaeobacteroides BS1 EAM54513 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
NP_662878 Chlorobium tepidum TLS Q8KAZ6 Chlorobium tepidum TLS AAM73220 Chlorobium tepidum TLS nucleoside diphosphate kinase/NDK_CHLTE Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/nucleoside diphosphate kinase
ZP_00591068 Prosthecochloris aestuarii DSM 271 EAN23873 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
ZP_01051602 Cellulophaga sp. MED134 EAQ37632 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_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
NP_420508 Caulobacter crescentus CB15 Q9A7M2 Caulobacter crescentus CB15 AAK23676 Caulobacter crescentus CB15 nucleoside diphosphate kinase/NDK_CAUCR Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase)/nucleoside diphosphate kinas
ZP_00947592 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 dipho
YP_032148 Bartonella quintana str. Toulouse Q6GU43 Bartonella quintana CAF25968 Bartonella quintana str. Toulouse nucleoside diphosphate kinase/NDK_BARQU Nucleoside diphosphate kinase (NDK) (NDP kinase) (Nucleoside-2-P kinase) /Nucleoside diphosp
NP_0033979 Rickettsia akari str. Hartford COG0105: Nucleoside diphosphate kinase
NP_359720 Rickettsia conorii str. Malish 7 ZP_00153150 Rickettsia rickettsii YP_246136 Rickettsia felis URRWXCal2 ZP_00142438 Rickettsia sibirica 246 Q4UN87 Rickettsia felis Q92JI4 Rickettsia conorii AAL02621 Rickettsia conorii str. Malish
YP_067045 Rickettsia typhi str. Wilmington NP_220449 Rickettsia prowazekii str. Madrid E Q9ZE91 Rickettsia prowazekii Q68XS9 Rickettsia typhi CAA14526 Rickettsia prowazekii AAU03563 Rickettsia typhi str. Wilmington nucleoside diphosphate ki
ZP_00371969 Campylobacter upsaliensis RM3195 EAL52445 nucleoside diphosphate kinase/nucleoside diphosphate kinase Cj0332c/nucleoside diphosphate kinase Cj0332c
ZP_00389416 Campylobacter lari RM2100 EAL54582 nucleoside diphosphate kinase/nucleoside diphosphate kinase
ZP_00566341 Methylobacillus flagellatus KT EAN01759 Nucleoside-diphosphate kinase/Nucleoside-diphosphate kinase
YP_201174 Xanthomonas oryzae pv. oryzae KACC10331 NP_642341 Xanthomonas axonopodis pv. citri str. 306 YP_243279 Xanthomonas campestris pv. campestris str. 8004 YP_451422 Xanthomonas oryzae pv. oryzae MAFF 311018 YP_363797 Xanthomonas campestris
YP_779816 Xylella fastidiosa Temecula1 ZP_00650897 Xylella fastidiosa Dixon ZP_00680334 Xylella fastidiosa Ann-1 ZP_00681439 Q87B35 Xylella fastidiosa Temecula1 AAO29465 EAO14055 Xylella fastidiosa Dixon EAO32974 Xylella