

CLUSTAL 2.1 multiple sequence alignment

```
S._cerevisiae_Cdc20      ---SKK-NVLAIALDTALY-LWNATTGDVSLLTDFENTT-----
S._pombe_slp1           LDWSNL-NVVAVALERNVY-VWNADSGSVSALAETDESTY-----
L._major_Cdc20         IDWSATSDVLCVALQNCVY-LWDAKTCGITELPRVVPTGGGLHGDGRSGD
L._infantum_Cdc20     IDWSATSDVLCVALQNCVY-LWDAKTCGITELPRVVSTGGGLHGDGRSGD
L._braziliensis_Cdc20 IDWSATSDILGVALQNCVY-LWNAKTCIDITELPRVVSTGSGMHGEGRSAN
T._brucei_Cdc20       MDWSAK-DVLAVGLQGSVY-LWYEKTSNIAQLPCQRPANG-----
T._cruzi_Cdc20       IDWSSK-DILAVGLQGAVY-LWDAKTCNITHLPCQRPPNG-----
S._cerevisiae_Cdh1    IDWSST-DVLAVALGKSIF-LTDNNTGDVVHLCDTEN-----
S._pombe_srwl          -----TD-----
H._sapiens_Cdh1       VDWSSL-NVLSVGLGTCVY-LWSACTSQVTRLCDLSV--E-----
M._musculus_Cdh1     VDWSSL-NVLSVGLGTCVY-LWSACTSQVTRLCDLSV--E-----
D._rerio_fizzy-related VDWSSL-NVLSVGLGTCVY-LWSACTSQVTRLCDLSV--E-----
D._melanogaster_fizzy-related VDWSSQ-NVLAVGLGSCVY-LWSACTSQVTRLCDLSP--D-----
C._elegans_fzr-1     VDWSSQ-NQLSVGLAACVY-LWSATTSQVIKLCDLGQTNE-----
C._briggsae_Cdh1    VDWSSQ-NQLSVGLSTCVY-LWSATTSQVIKLCDLGSASNE-----
A._thaliana_Cdh1.1   VDWSAQ-NVLAVGLGNCVY-LWNACSSKVTKLCDLGV-----
A._thaliana_Cdh1.2   VDWSAQ-NVLAVGLGNCVY-LWNACSSKVTKLCDLGA-----
A._thaliana_Cdh1.3   -----Y-LWTASNSKVTKLCDLGP-----
V._carteri_Cdc20     VDWSSQ-NVLAVGLGTCVY-LWSAMSSTVTKLCDLAP-----
C._hominis_Cdc20     -----
C._parvum_Cdc20      -----
C._muris_Cdc20       VDWSST-NLLAVGLSSSLY-LWNASTSKVTNLMSLPE-----
H._sapiens_Cdc20     VDWSSG-NVLAVALDNSVY-LWSASSGDILQLLQMEQPGEY-----
M._musculus_Cdc20    VDWSSG-NVLAVALDNSVY-LWNAGSGDILQLLQMEQPGDY-----
D._rerio_Cdc20       -----Q-NVLAVGLANQVY-LWDAGEGDIVLLKKMEDDNEY-----
D._melanogaster_fizzy MDWSAD-NIVAVALGSCVY-LWNAQTGNIEQLTEFEE-GDY-----
A._thaliana_Cdc20.1  -----DHTVY-LWDASTGSTSELVTIDEEKGP-----
A._thaliana_Cdc20.2  -----DHTVY-LWDASTGSTSELVTIDEEKGP-----
A._thaliana_Cdc20.3  -----NVLAIALGDTVY-LWDASSGSTSELVTIDEDKGP-----
A._thaliana_Cdc20.4  -----NVLAIALGDTVY-LWDASSGSTSELVTIDEDKGP-----
A._thaliana_Cdc20.5  -----SS-NVLAIALGDTVY-LWDASSGSTYKLVITIDEEEGP-----
Micromonas_Cdc20     -----VY-LWNADSGDIQQLCQTDPNNGDD-----
P._yoelii_Cdc20     -----
P._berghei_Cdc20     -----
P._chaubaudi_Cdc20  -----
P._falciparum_Cdc20 -----
P._knowlesi_Cdc20   -----
P._vivax_Cdc20      -----
S._cerevisiae_Ama1   HQYLSEKRDLVTCVSFCPYNTYFIVGTFGRILLYDQK-----
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```
S._cerevisiae_Cdc20      ---ICSVTWSDDDCHISIGKE--DGNTEIWDVETMSLIRTMRSGLGVRIG
S._pombe_slp1         ---VASVKWSHDGFSFLSVGLG--NGLVDIYDVESQTKLRTM-AGHQARVG
L._major_Cdc20       AQLVCGLNWAPDGGCHLAVGGH--SGAVEVWDVETQQIVHTYRQ-HADRTV
L._infantum_Cdc20    AQLVCGLNWAPDGGCHLAVGRH--SGAVEVWDVETQQIVHTYRQ-HADRTV
L._braziliensis_Cdc20 AQLVCGLNWAPDGRHLAIGRN--SGAVEVWDVEAQRIVHTYRQ-HADRTV
T._brucei_Cdc20     --IICGVSWSIEDGNHLALGAD--DGSVEIWDVEAERITRRLHH-HTDRVG
T._cruzi_Cdc20     --IFCGVTWSEDGNLLALGTD--DGSLEIWDVEMQRITRRLYQ-HTDRVG
S._cerevisiae_Cdh1  --EYTSLSWIGAGSHLAVGQA--NGLVEIYDVMKRKCIRTLSTG-HIDRVA
S._pombe_srwl       --TVTSLRWVQRGTHLAVGTH--NGSVEIWDAAATCKKTRTMSG-HTERVG
H._sapiens_Cdh1     GDSVTSVGSWSEGNLVAVGTH--KGFVQIWDAAAGKKL SMLEG-HTARVG
M._musculus_Cdh1   GDSVTSVGSWSEGNLVAVGTH--KGFVQIWDAAAGKKL SMLEG-HTARVG
D._rerio_fizzy-related GDSVTSVGSWSEGNLVAVGTH--KGFVQIWDAAAGKKL SMLEG-HTARVG
D._melanogaster_fizzy-related ANTVTSVSWNERGNTVAVGTH--HGYVTVWDVAANKQINKLNG-HSARVG
C._elegans_fzr-1    QDQVTSVQWCDKGDLLAVGTS--RGVTQIWDVTTQKKTRELTG-HSSRVG
C._briggsae_Cdh1   QDQVTSVQWCDKGDLLAVGTS--RGITQIWDVTTQKKTIRDLGG-HSRVVG
A._thaliana_Cdh1.1  DETVCSVQWALRGTHLAIGTS--SGTVQIWDVLRCKNIRTMEG-HRLRVG
A._thaliana_Cdh1.2  EDSVCSVQWALRGTHLAVGTS--TGKVQIWDASRCKRTRTMEG-HRLRVG
A._thaliana_Cdh1.3  NDSVCSVQWTRREGSYISIGTS--HGQVQVWDGTQCKRVRTMGG-HQTRTG
V._carteri_Cdc20   HDTVCSVQWESRRGTFLSVGTN--SGKVQIWDVAKLKLVRTLEG-HRARVG
C._hominis_Cdc20   ---VTSVSWTQQGNHLAGVTR--QGSVQIWDVVEQKKVRTLNG-HRARIG
C._parvum_Cdc20    ---VTSVSWTQQGNHLAGVTR--QGSVQIWDVVEQKKVRTLNG-HRARIG
C._muris_Cdc20     QDLVTSVSWTQQGNHVAIGTR--QGSIQIWDVTVQKKVRTLGG-HRARVG
H._sapiens_Cdc20   ---ISSVAWIKEGNYLAVGTS--SAEVQLWDVQVQKRLRNMTS-HSARVG
M._musculus_Cdc20  ---ISSVAWIKEGNYLAVGTS--NAEVQLWDVQVQKRLRNMTS-HSARVS
D._rerio_Cdc20     ---ICSVSWSKDGNF LAIGTS--DCKVELWDVQYQKRLRSMDG-HSARVG
```

D._melanogaster_fizzy
A._thaliana_Cdc20.1
A._thaliana_Cdc20.2
A._thaliana_Cdc20.3
A._thaliana_Cdc20.4
A._thaliana_Cdc20.5
Micromonas_Cdc20
P._yoelii_Cdc20
P._berghei_Cdc20
P._chaubaudi_Cdc20
P._falciparum_Cdc20
P._knowlesi_Cdc20
P._vivax_Cdc20
S._cerevisiae_Ama1

S._cerevisiae_Cdc20
S._pombe_slp1
L._major_Cdc20
L._infantum_Cdc20
L._braziliensis_Cdc20
T._brucei_Cdc20
T._cruzi_Cdc20
S._cerevisiae_Cdh1
S._pombe_srw1
H._sapiens_Cdh1
M._musculus_Cdh1
D._rerio_fizzy-related
D._melanogaster_fizzy-related
C._elegans_fzr-1
C._briggsae_Cdh1
A._thaliana_Cdh1.1
A._thaliana_Cdh1.2
A._thaliana_Cdh1.3
V._carteri_Cdc20
C._hominis_Cdc20
C._parvum_Cdc20
C._muris_Cdc20
H._sapiens_Cdc20
M._musculus_Cdc20
D._rerio_Cdc20
D._melanogaster_fizzy
A._thaliana_Cdc20.1
A._thaliana_Cdc20.2
A._thaliana_Cdc20.3
A._thaliana_Cdc20.4
A._thaliana_Cdc20.5
Micromonas_Cdc20
P._yoelii_Cdc20
P._berghei_Cdc20
P._chaubaudi_Cdc20
P._falciparum_Cdc20
P._knowlesi_Cdc20
P._vivax_Cdc20
S._cerevisiae_Ama1

---AGLSWIQEQILAIAGNS--TGAVELWDCSKVKRLRVMDG-HSARVG
---VTSINWAPDGRHVAVGLN--NSEVQLWDSASNRQLRTLKGGHQS RVG
---VTSINWAPDGRHVAVGLN--NSEVQLWDSASNRQLRTLKGGHQS RVG
---VTSINWTDGLDLAVGLD--NSEVQLWDFVSNRQVRTLIGGHESRVG
---VTSINWTDGLDLAVGLD--NSEVQLWDCVSNRQVRTLRGGHESRVG
---VTSINWTDGLDLAIGLD--NSEVQLWDCVSNRQVRTLRGGHESRVG
---YVTSVQWGGDGKHIAVGTN--DAEVQIWDVSRLKQVRTLGR-HNARVG
---ITSLKWNIFGNLAVGLS--NGAVEIWDIEKGIKIRKYKN-HKLRVG
---KNITSLKWNMFGNLA VGLS--NGAVEIWDIEKGT KIRKYKN-HKLRVG
---IASLKWNIFGNLAVGLS--NGVVEIWDIEKGSKIRKYN--HKLRVG
---ISSLKWNINGNFLATGLS--NGVVEIWDIEKCVRIRKYKN-HKSRVN
---SITSLRWNFFGNHLSVGLS--NGVVQIWDLEKEVKIRKYRN-HKRRVG
---ITSLRWNLFGNHLAVGLS--NGAVQIWDLEKEVKIRKYRN-HKRRVG
-EFFHSSNTNEKEPVFVFQTESFKGICCLEWFKPGEICKFYVGEENGNVS

SLSWL---DTLIATGSRSGEIQINDVRIKQH-----IV
CLSWN---RHLVSSGSRSGAIHHHDVRIANH-----QI
SLSWEPLGGWLLASGSRDSTVLRDVRERDTSTSASVASPSSSFSLASAT
SLSWEPLGGWLLASGSRDSTVLRDVRERDTSTSASASPSSSSSLASAT
SLSWDPLGGWLLASGSRDSTIVLRDVRERDT-TSASMSSASSFSSSLASAT
ALSWN---GSVLSSGSKDITIRINDLR--DP-----LGT
ALSWN---GSAIASGSKDASIRVNDLR--DP-----VES
CLSWN---NHVLTSGSRDHRILHRDVRMPDP-----FFE
ALSWN---DHLVSSGGRDNHILHRDVRAPDH-----YFR
ALAWN---AEQLSSGSRDRMILQRDIRTPPL-----QSE
ALAWN---ADQLSSGSRDRMILQRDIRTPPL-----QSE
ALAWN---ADQLSSGSRDRMILQRDIRTPPL-----QSE
ALAWN---SDILSSGSRDRWIIQRDTRTPQL-----QSE
CLAWN---ADTICSGSRDRTIMHRDIRCDDN-----DMG
CLAWN---ADTICSGSRDRTIMHRDIRAPDN-----EEG
ALAWS---SSVLSSGSRDKSILQRDIRTQED-----HVS
ALAWG---SSVLSSGSRDKSILQRDIRCQED-----HVS
VLAWN---SRILSSGSRDRNIIHQDIRVQSD-----FVS
TQAWG---SHVLCGSRDRHILQRDIRCPEH-----FTA
AMDWC---GPILATGGRDHTVLLRDVREQEH-----WCS
AMDWC---GPILATGGRDHTVLLRDVREQEH-----WCS
AMDWC---GPILATGGRDHTVLLRDVREQEH-----WCN
SLSWN---SYILSSGSRSGHIIHHHDVRAEH-----HV
SLSWN---SYILSSGSRSGHIIHHHDVRAEH-----HV
CLSWN---DHILSSGSRSGLIHQHDVRAEH-----HI
SLAWN---SFLVSSGSRDGTIVHHDVRAEH-----KL
SLAWN---NHILTTGGMDGLIINNDVIRISP-----IV
SLAWN---NHILTTGGMDGLIINNDVIRISP-----IV
SLAWN---NHILTTGGMDGKIVNNDVIRISS-----IV
SLAWD---NHILTTGGMDGKIVNNDVIRISS-----IV
SLAWN---NHILTTGGMDGKIVNNDVIRISS-----IV
ALAWN---GTQLATGSRDNTVMMHDVRIEH-----RT
SLCWY---YNILTTGSRDNTIINCDVRTKDS-----NY
ALCWY---YNILTTGSRDKTIINCDLRTKDS-----SY
SLCWY---YNILTTGSRDNTIINCDIRTKDS-----NY
TLCWN---HNTLTTGGRDNKIINSDIRSKEI-----YY
ALGWY---YDTLTTGSKDNKIVCSDIRCKDS-----SY
ALDWH---YNTLSTGSRDNKIVSLDIRCRES-----SY
LFEIKS-LHFSIKNWSKRQKLEDENLIGLKL-----H

S._cerevisiae_Cdc20
S._pombe_slp1
L._major_Cdc20
L._infantum_Cdc20
L._braziliensis_Cdc20
T._brucei_Cdc20
T._cruzi_Cdc20
S._cerevisiae_Cdh1
S._pombe_srw1
H._sapiens_Cdh1
M._musculus_Cdh1
D._rerio_fizzy-related

STWAEHTGEVCGLSYKSDGLQLASGGNDNTVMIWDTRT-----
GTLQGHSSSEVCGLAWRS DGLQLASGGNDNVVQIWDARS-----
AVLRAHETEVCGLKWSPTGAMLASGGNDNQLLLWDRRSISTGSHSS-DTS
AVLRAHETEVCGLKWSPTGAMLASGGNDNQLLLWDRRSISTGSRSS-DTS
SVLRAHETEVCGLKWSPTGAMLASGGNDNQLLLWDRRSISTGSHSSGDTS
WTLQAHQRQSVCGLRWSPDGLRLASGGNDNQLLLWDMRRTL SMN-----
WTLRCHQQSVCGLRWSPDGV RMASGGNDNQLLLWDSRTFSVR-----
-TIESHTQEVCGLKWNVADNKLASGGNDNVVHVYEGTS-----
-VLT AHRQEVCGLEWNSNENLLASGGNDNALMVWDKFE-----
RRLQGHQRQEVCGLKWSTDHQLLASGGNDNKL LLVNHNSS-----
RRLQGHQRQEVCGLKWSTDHQLLASGGNDNKL LLVNHNSS-----
RRLQGHQRQEVCGLKWSTDHQLLASGGNDNKL LLVNHNSS-----

D._melanogaster_fizzy-related
C._elegans_fzr-1
C._briggsae_Cdh1
A._thaliana_Cdh1.1
A._thaliana_Cdh1.2
A._thaliana_Cdh1.3
V._carteri_Cdc20
C._hominis_Cdc20
C._parvum_Cdc20
C._muris_Cdc20
H._sapiens_Cdc20
M._musculus_Cdc20
D._rerio_Cdc20
D._melanogaster_fizzy
A._thaliana_Cdc20.1
A._thaliana_Cdc20.2
A._thaliana_Cdc20.3
A._thaliana_Cdc20.4
A._thaliana_Cdc20.5
Micromonas_Cdc20
P._yoelii_Cdc20
P._berghei_Cdc20
P._chaubaudi_Cdc20
P._falciparum_Cdc20
P._knowlesi_Cdc20
P._vivax_Cdc20
S._cerevisiae_Ama1
RRLAGHRQEVCGCLKWSPDNQYLASGGNDNRLYVWNQHS-----
RKL TNHRQEVCGCLKWSPDKQLLASGGNDNQLLVWNLRR-----
RKMTTHRRQEVCGCLKWSPDKQLLASGGNDNQLLVWNLRR-----
-KLKGHKSEICGLKWSDDNRELASGGNDNQLFVWNQHS-----
-KLVGHKSEVCGCLKWSYDNRELASGGNDNQLFVWNQHS-----
-KLVGHKSEVCGCLKWSHDDRELASGGNDNQLLVWNNHS-----
-KLVGHRSEVCGCLKWSPDDRQLASGGNDNQLYIWSLPS-----
-RWLGHKQEVCGVKWSPNEMQLATGGNDNKLIIWSQGY-----
-RWLGHKQEVCGVKWSPNEMQLATGGNDNKLIIWSQGY-----
-RWLGHKQEVCGVKWSPNEMQLATGGNDNKLIIWSQGY-----
ATLSGHSQEVCGLRWAPDGRHLASGGNDNLVNVWP-SAPGEGGWV-----
ATLSGHSQEVCGLRWAPDGRHLASGGNDNLVNVWP-SGPGESGWA-----
FTFGGHTQEVCGL TWSPDGRYLASGGNDNMMYIWP-MTTG-SENQ-----
STLSGHTQEVCGLKWSTDFKYLASGGNDNLVNVWS-AASGGVGTAT-----
ETYRGHTQEVCGLKWSSGQQLASGGNDNVVHIWD-RSVASSNSTT-----
ETYRGHTQEVCGLKWSSGQQLASGGNDNVVHIWD-RSVASSNSTT-----
GTYLGHTTEVCGLKWSESGKKLASGGNYYVHIWDHRSVASSKPTR-----
ETYLGHTTEVCGLKWSESGNKQASGGNDNVVHIWD-RSLASSKQTR-----
ETYLGHTTEVCGLKWSESGKKLASGGNDNVVHIWDHRSVASSNPTR-----
ATLTSHSQEVCGLKWAPSGNQLASGGNDNLLHIWDQNSIGNG-----
IKYEKHTSEVCGLQWNYNGKLLASGSNDNSIYLWDHNNK-----
IKYEKHTSEVCGLQWNYNGKLLASGSNDNSIYLWDHNNK-----
IKYEKHTSEVCGLQWNYNGKLLASGSNDNSIYIWDNNK-----
IELTKHKSEICGLEWADGTYLASGSNDNSIYIWDKYT-----
AQLTNHTSEVCGLQWNYQTKQLASGSNDNSVYIWEWRK-----
AQLSNHSSEVCGLLWNYKTKQLASGSNDNSVCIWEERK-----
STYQAQAVQVCGISLNEHANLLAVGGNDNSCSLWDISD-----
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S._cerevisiae_Cdc20
S._pombe_slp1
L._major_Cdc20
L._infantum_Cdc20
L._braziliensis_Cdc20
T._brucei_Cdc20
T._cruzi_Cdc20
S._cerevisiae_Cdh1
S._pombe_Srw1
H._sapiens_Cdh1
M._musculus_Cdh1
D._rerio_fizzy-related
D._melanogaster_fizzy-related
C._elegans_fzr-1
C._briggsae_Cdh1
A._thaliana_Cdh1.1
A._thaliana_Cdh1.2
A._thaliana_Cdh1.3
V._carteri_Cdc20
C._hominis_Cdc20
C._parvum_Cdc20
C._muris_Cdc20
H._sapiens_Cdc20
M._musculus_Cdc20
D._rerio_Cdc20
D._melanogaster_fizzy
A._thaliana_Cdc20.1
A._thaliana_Cdc20.2
A._thaliana_Cdc20.3
A._thaliana_Cdc20.4
A._thaliana_Cdc20.5
Micromonas_Cdc20
P._yoelii_Cdc20
P._berghei_Cdc20
P._chaubaudi_Cdc20
P._falciparum_Cdc20
P._knowlesi_Cdc20
P._vivax_Cdc20
S._cerevisiae_Ama1
-----SLPQFSKKT-HTAAVKALSWCPYSPNIIASGGGQTDKHIHFWN
-----SIPKFTKTN-HNAAVKAVAWCPWQSNLLATGGGTMDKQIHFWN
GAYRHGECQPIFFLNK-HTAAVKALSWNPTQPALLASGGGSHDKALRFWN
GVYRHGECQPIFFLNK-HTAAVKALSWNPAQPALLASGGGSHDKALRFWN
GIHRHGECRPIFFLNK-HTAAVKALSWNPTQPALLASGGGSHDKALRFWN
-----STPSMLLNK-HTAAVKAIWNPVQHNLVSGGSDDKMLRFWN
-----SQPVLRLNK-HTAAVKAIWNPVQHNLVSGGSEDKMLRFWN
-----KSPILTFDE-HKAAVKAMAWSPHKRGVLTGGGTADRRLKIWN
-----EKPLYSFHN-HIAAVKAITWSPHQRGILASGGGTADRTRIKLWN
-----LSPVQYTE-HLAAVKAIWSPHQHGLLASGGGTADRRCIRFWN
-----LSPVQYTE-HLAAVKAIWSPHQHGLLASGGGTADRRCIRFWN
-----VLPVQYTE-HLAAVKAIWSPHQHGLLASGGGTADRRCIRFWN
-----VNPVQSYTE-HMAAVKAIWSPHHHGLLASGGGTADRRCIRFWN
-----NEPIQTYTQ-HNAAVKALAWSPHHHGLLVSGGGTADRCLRFWN
-----PDPLQTYTQ-HNAAVKALAWSPHHHGLLVSGGGTADRCLRFWN
-----TQPVLRFCE-HAAAVKAIWSPHHFGLLASGGGTADRRCIRFWN
-----TQPVLKYSE-HTAAVKAIWSPHVHGLLASGGGTADRRCIRFWN
-----QQPILKLTE-HTAAVKAITWSPHQSSLLASGGGTADRRCIRFWN
-----SSPVYKFAD-HTAAVKAIWSPHQHSLLASGGGTADRRCIRFWN
-----DTPVCQFQE-HNAAVKALSWNPHQSGLLASGGGTADRHRIRIWN
-----DTPVCQFQE-HNAAVKALSWNPHQSGLLASGGGTADRHRIRIWN
-----ETPVCQFQE-HTAAVKALSWSPHQHGLLASGGGTADRHRIRIWN
-----PLQFTTQ-HQGAVKAVAWCPWQSNVLLATGGGTSDRHRIRIWN
-----AIHALSE-HQGAVKALAWCPWQPNIPASGGGTSDRHRIRIWN
-----DPLHKFND-HQAAVRALAWCPWPSTLASGGGTADRRCIKFWN
-----QWLHRLEE-HTSAVKALAWCPFQANLLATGGGGGDRTRIKFWN
-----QWLHRLEE-HTSAVKALAWCPFQANLLATGGGGGDRTRIKFWN
-----QWLHRFEE-HTAAVRALAWCPFQATLLATGGGVGDGKIKFWN
-----QWLHRFEE-HTAAVRALAWCPFQASLLATGGGVGDGKIKFWN
-----QWLHRFEE-HTAAVRALAWCPFQASLLATGGGVGDGKIKFWN
-----THLHRLDA-HQAAVKALAWCPFQSNLLASGGGTADRRCIKFWN
-----NNSIFHFTK-HKAAVKAIWCPHHDHNLTTGGGSADKKIYFWN
-----NNSIFHFTK-HKAAVKAIWCPHHDHNLTTGGGSTDKKIYFWN
-----NDFIFHFTK-HKAAVKAIWCPHHDHNLTTGGGSADKKIYFWD
-----NKYLFHFKK-HKAAVKAIWCPYKNHILSSGGGSVDKIKIFLWN
-----CVPLFQLTK-HTAAVKAMSWSPHKENLLATGGGSADKKIYFWD
-----WAPLFQFTK-HTAAVKAMSWSPHQHNLATGGGSADKKIYFWD
-----LDKPIKFKVLPKAAVKAIWCPWWSKSLLATGGGSKDRRCIKFWN
* .**:*::: * :*** * :.*.

S._cerevisiae_Cdc20
S._pombe_Slp1
L._major_Cdc20
L._infantum_Cdc20
L._braziliensis_Cdc20
T._brucei_Cdc20
T._cruzi_Cdc20
S._cerevisiae_Cdh1
S._pombe_Srw1
H._sapiens_Cdh1
M._musculus_Cdh1
D._rerio_fizzy-related
D._melanogaster_fizzy-related
C._elegans_fzr-1
C._briggsae_Cdh1
A._thaliana_Cdh1.1
A._thaliana_Cdh1.2
A._thaliana_Cdh1.3
V._carteri_Cdc20
C._hominis_Cdc20
C._parvum_Cdc20
C._muris_Cdc20
H._sapiens_Cdc20
M._musculus_Cdc20
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D._melanogaster_fizzy
A._thaliana_Cdc20.1
A._thaliana_Cdc20.2
A._thaliana_Cdc20.3
A._thaliana_Cdc20.4
A._thaliana_Cdc20.5
Micromonas_Cdc20
P._yoelii_Cdc20
P._berghei_Cdc20
P._chaubaudi_Cdc20
P._falciparum_Cdc20
P._knowlesi_Cdc20
P._vivax_Cdc20
S._cerevisiae_Ama1

SITGARVGSINTGSQVSSLHWGQSHTSTNGGMMNKEIVATGGNPENA---
AATGARVNTVDAGSQVTSLIWSP-HS-----KEIMSTHGFPDNN---
SLTGECVHHINTGSQVCGVWNRAGT-----ELVTAHGYPDNDQ---
SLTGECVHHINTGSQVCGVWNRVGT-----ELVTAHGYPDNDQ---
SLTGECVHHINTGSQVCGVWVSRGT-----ELVTAHGYPDNDQ---
TSTGECISNFNAESQVCGVLWNHGGT-----ELVSSHGYSHNR---
TSTGECINCHNAESQVCGVLWNLSGT-----ELVSSHGYSHNR---
VNTSIKMSDIDSGSQCINMVMWSKNTN-----ELVSTHGYSKYN---
TQRGSMHLNIDTGSQVCNLLWSKQTN-----EFVSTHGFMENE---
TLTGQPLQCIDTGSQVCNLAWSKHAN-----ELVSTHGYSQNN---
TLTGQPLQCIDTGSQVCNLAWSKHAN-----ELVSTHGYSQNN---
TLTAQPLQCIDTGSQVCNLAWSKHTN-----ELVSTHGYSQNN---
TLTGQPMQCVDTGSQVCNLAWSKHSS-----ELVSTHGYSQNN---
TLTAQPMQCVDTGSQVCNVAWSKHSS-----ELVSTHGYSFNH---
TLTAQPMQCVDTGSQVCNVAWSKHSS-----ELVSTHGYSFNH---
TTTNTHLNCVDTNSQVCNLVWSKNVN-----ELVSTHGYSQNN---
TTTNTHLSSIDTCSQVCNLAWSKNVN-----ELVSTHGYSQNN---
TTNGNQLNSIDTGSQVCNLAWSKNVN-----EIVSTHGYSQNN---
TATGMPLNCIDTGSQVCNLSWSKNAN-----EIVSTHGYSQNN---
TVTNSCVMAVDTGSQVCNIAWSGNVN-----ELVSTHGYSLNQ---
TVTNSCVMAVDTGSQVCNIAWSGNVN-----ELVSTHGYSLNQ---
TVTNCVMMAVDTGSQVCNIAWSGNVN-----ELVSTHGYSLNQ---
VCSGACL SAVDAHSQVCSILWSPHYK-----ELISGHGFAQNN---
VCSGACL SAVDVHSQVCSILWSPHYK-----ELISGHGFAQNN---
ASSGSCISSLDTCSQVSSLVFAPNYK-----ELVSGHGFAHDK---
VNNGTLMKSVDKSQVCSLLFSRHYK-----ELISAHGFAFNNQ---
THTGACLNSVDTGSQVCNLLWSKNER-----ELLSHGFTQNN---
THTGACLNSVDTGSQVCNLLWSKNER-----ELLSHGFTQNN---
THTGACLNSVDTGSQVCNLLWSQRER-----ELLSHGFTQNN---
THTGACLNSVDTGSQVCNLLWSQSER-----ELLSHGFTQNN---
THTGACLNSVDTGSQVCNLLWSKSER-----ELLSHGFTQNN---
TNTGALLNSIDTNSQVCSLQWNKHER-----ELLSHGYSQNN---
VNNGECINSINTNSQVSNILWSKNTK-----EFVSTHSYTHSQ---
INNGECINSINTNSQVSNILWSKNTK-----EFVSTHSYTHSQ---
INNGECINSINTNSQVSNILWSKNTK-----ELVSTHSYTHSQ---
IKTGKLINEIYTKSQVSNIIWSINTS-----ELVSTHSYTHSQ---
TSTGKCLDEVANSQVSNIFWSKHTE-----EFVSTHSYTHSQ---
TSTGECLELATSSQVSNLFWSKHSE-----ELVSTHSYTHSQ---
TSTGTLLEIYTSQVTSLIWSLRHK-----QIVATFGFGDTKPNV

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S._cerevisiae_Cdc20
S._pombe_Slp1
L._major_Cdc20
L._infantum_Cdc20
L._braziliensis_Cdc20
T._brucei_Cdc20
T._cruzi_Cdc20
S._cerevisiae_Cdh1
S._pombe_Srw1
H._sapiens_Cdh1
M._musculus_Cdh1
D._rerio_fizzy-related
D._melanogaster_fizzy-related
C._elegans_fzr-1
C._briggsae_Cdh1
A._thaliana_Cdh1.1
A._thaliana_Cdh1.2
A._thaliana_Cdh1.3
V._carteri_Cdc20
C._hominis_Cdc20
C._parvum_Cdc20
C._muris_Cdc20
H._sapiens_Cdc20
M._musculus_Cdc20
D._rerio_Cdc20
D._melanogaster_fizzy
A._thaliana_Cdc20.1

-ISVYNYETKFKVAEV-VHAHEARICCSQLSPDGTTLATVGGDENLKFYK
-LSIWSYSSSGLTKQVDIPAHDTRVLYSALSPDGRILSTAASDENLKFWR
-LSIWRYPSLRRRIANL--IGHTSRVLHLALSADGETVVAAGDETLRFWR
-LSIWRYPSLRRRIANL--IGHTSRVLHLALSADGQTVVAAGDETLRFWR
-LSIWRYPSLRRRIANL--IGHTSRVLHLALSADGQTVVAAGDETLRFWR
-LTIWKYPTMRRVADL--AGHTSRVLHMCMTDGEVVVSAAGDETLRFWR
-LTIWKYPTMRRVADL--TGHTSRVLHLCMTDGEVVSAAGDETLRFWR
-LTLWDCNSMDPIAIL--KGHSFRVLHLTLSDGTTVVSGAGDETLRYWK
-VALWNYPSVSRVGT--KGHTDRVLYLAMSPNGENIVTGADETLRFWK
-ILVWKYPSLTQVAKL--TGHSYRVLYLAMSPDGEAIVTGADETLRFWN
-ILVWKYPSLTQVAKL--TGHSYRVLYLAMSPDGEAIVTGADETLRFWN
-ILVWKYPSLTQVAKL--TGHSYRVLYLAMSPDGEAIVTGADETLRFWN
-VVIWKYPSLQPVTKL--VGHQYRVLYLAMSPDGESIVTGADETLRFW-
-VVIWKYPSLQPVTKL--VGHQYRVLYLAMSPDGESIVTGADETLRFW-
-IIVWKYPTMSKIALTL--TGHTYRVLYLAVSPDGQTIIVTGADETLRFWN
-IIVWKYPTMSKIALTL--TGHTYRVLYLAVSPDGQTIIVTGADETLRFWN
-IMLWKYPSMSKVATL--TGHSRVLVLYLAVSPDGQTIIVTGADETLRFWN
-VVIWKYPSMAKLATL--TGHTLRVLYLAVSPDGQTIIVTGADETLRFWS
-VILWKWPSMQKIATL--TGHTYRVLYLAVSPDGQTIIVTGADETLRFWQ
-VILWKWPSMQKIATL--TGHTYRVLYLAVSPDGQTIIVTGADETLRFWQ
-VILWKWPSMQKIATL--TGHTYRVLYLAVSPDGQTIIVTGADETLRFWQ
-LVIWKYPTMAKVAEL--KGHTSRVLSLTMSPDGATVASAAADETLRLWR
-LVIWKYPTMAKVAEL--KGHTARVGLTMSPDGATVASAAADETLRLWR
-VVIWKYPSFAKVTEH--EGHEARILNALSADGSLASIAADETLRLWK
-LTIWKYPTMVKQADL--TGHTSRVLQVAMSPDGSTVISAAGDETLRLWN
-LTLWKYPSMVKMAEL--TGHTSRVLYMAQSPDGCTVASAAGDETLRFWN

A._thaliana_Cdc20.2	-LTLWKYPSMVKMAEL--TGHTSRVLYMAQSPDGCTVASAAGDETL----
A._thaliana_Cdc20.3	-LTLWKYPSMSKMAEL--NGHTSRVLFMAQSPNGCTVASAAGDENLRLWN
A._thaliana_Cdc20.4	-LTLWKYPSMSKMAEL--NGHTSRVLFMAQSPNGCTVASAAGDENLRLWN
A._thaliana_Cdc20.5	-LTLWKYPSMVKMAEL--NGHTSRVLFMAQSPDGCTVASAAGDETLRLWN
Micromonas_Cdc20	-LCLWKYPTMTKMAEL--TGHSARVLHMAQSPDGTTVVSAAADETLRFWK
P._yoelii_Cdc20	-IIIWNYPNLNKISAL--TDHKLRVLYAALSPDGTSLVSGSPDETIRLWN
P._berghei_Cdc20	-IIIWNYPDLNKISAL--TDHKLRVLYAALSPDGTSLVSGSPDETIRLWN
P._chaubaudi_Cdc20	-IIIWNYPDLNKISAL--TDHKLRVLYAALSPDGTSLVSGSPDETIRLWN
P._falciparum_Cdc20	-IILWNL PQLKKVTTL--RGHKSRLVYAALSPDGTSIATGSPDQTIRLWN
P._knowlesi_Cdc20	-VVLWKYPRLKKVSAL--SGHALRVLYGALSPDGESIVTGSPDETLRLWR
P._vivax_Cdc20	-VVLWKYPRLQKVSTL--SGHALRVLYGALSPDGESLVTGSPDETLRLWR
S._cerevisiae_Ama1	LITLYSYPKLSKLLLEVR-SPNPLRVLSAVISPSSMAICVATNDETI RFYE
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S._cerevisiae_Cdc20	-----
S._pombe_Slp1	-----
L._major_Cdc20	-----
L._infantum_Cdc20	-----
L._braziliensis_Cdc20	-----
T._brucei_Cdc20	-----
T._cruzi_Cdc20	-----
S._cerevisiae_Cdh1	-----
S._pombe_Srw1	-----
H._sapiens_Cdh1	-----
M._musculus_Cdh1	-----
D._rerio_fizzy-related	-----
D._melanogaster_fizzy-related	-----
C._elegans_fzr-1	-----
C._briggsae_Cdh1	-----
A._thaliana_Cdh1.1	-----
A._thaliana_Cdh1.2	-----
A._thaliana_Cdh1.3	-----
V._carteri_Cdc20	-----
C._hominis_Cdc20	I-----
C._parvum_Cdc20	I-----
C._muris_Cdc20	-----
H._sapiens_Cdc20	-----
M._musculus_Cdc20	-----
D._rerio_Cdc20	-----
D._melanogaster_fizzy	-----
A._thaliana_Cdc20.1	-----
A._thaliana_Cdc20.2	-----
A._thaliana_Cdc20.3	-----
A._thaliana_Cdc20.4	-----
A._thaliana_Cdc20.5	-----
Micromonas_Cdc20	-----
P._yoelii_Cdc20	-----
P._berghei_Cdc20	V-----
P._chaubaudi_Cdc20	-----
P._falciparum_Cdc20	I-----
P._knowlesi_Cdc20	-----
P._vivax_Cdc20	-----
S._cerevisiae_Ama1	LWNDKE