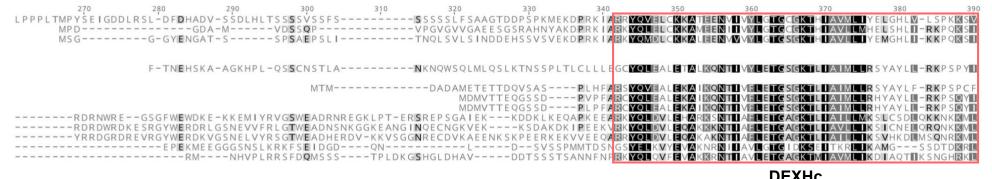
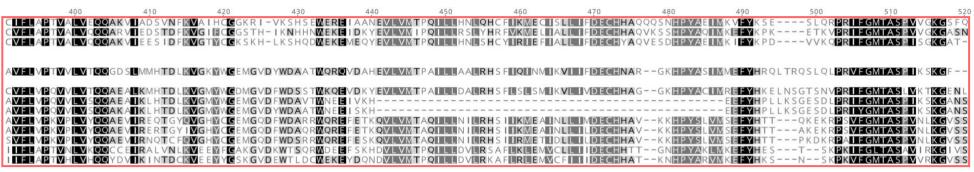
AtDCL4 MIDCL4 SIDCL4 SIDCL2c SIDCL2a SIDCL2b AtDCL2 MiDCL2a Mi DCL2b SIDCL1 MiDCL1 AtDCL1 AtDCL3 MiDCL3 SIDCL3

AtDCL4 MiDCL4 SIDCL4 SIDCL2d SIDCL2c SIDCL2a SIDCL2b AtDCL2 Mi DCL2a Mi DCL2b SIDCL1 MIDCL1 AtDCL1 AtDCL3 MiDCL3 SIDCL3



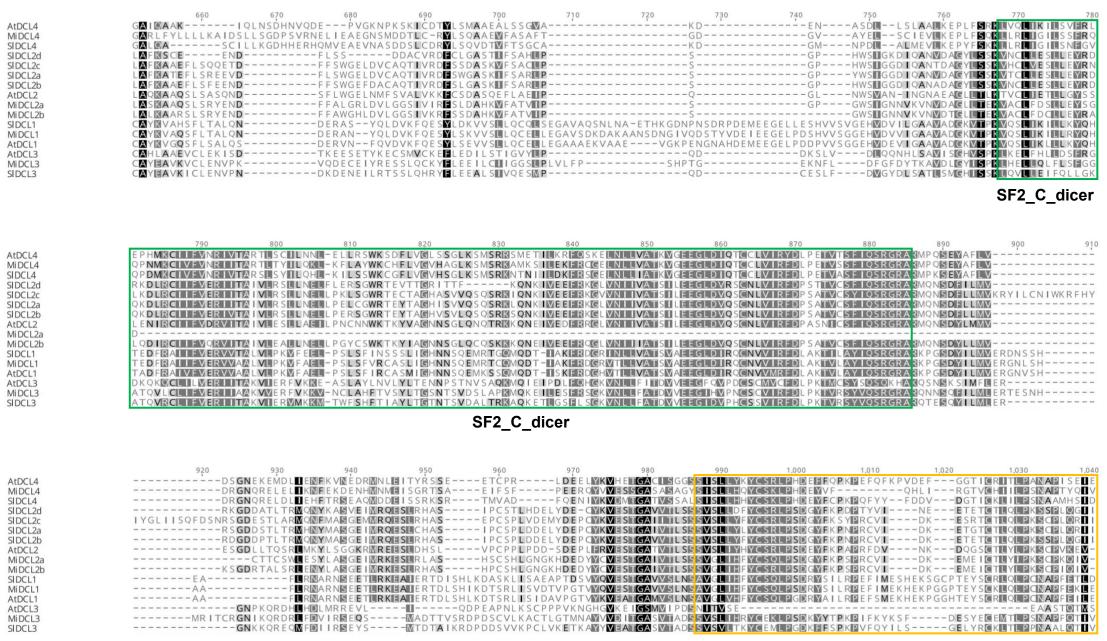
DEXHc



DEXHc

```
600
                             570
                                   580
                                         590
-QANLPKSIINSI ENII LDAKVYSVEDKLDII ETIFV--SISPAVKVYPYGPVVNGSSSSYTTYVEIKUSEI ------INHE----CLSTLS----REKHDVQISLRNMKIXQII SRLHENLI IYCII ENII GVS
MRDGSARRRISKLHSNFLECTSEMGAW
         MSAGSARRRISK LHMAFLECT SEMGVW
--DSYWKKIHELETLMNSKWYTCENESVLAGFWPFSTPSFKYMQHIKIP---SPKRASLVEKLERLTI------KHR----LSLGTL------DLNSSTVDSVEKRULRISSTLTMCUDDUGIL
- SHGYWEN IDEN THE ---- ISLNSL ----- DUIDTQAK SIRIKVIK IRSTUUECV KELGVW
-QVDCAIKIRNI =TKIDSVVFTIK ORKEIIEKHVPMPSEVVVEMDKAASL---WSFH--EQIIKKMESEVEEAALLSSRRSINWQFMGACDAGARGELRQVYGVSERTESDGAANII IQKLRAINMAI GEIIGQW
-QVDCAIKTRNIESKIDSVVCTIKDRKETEKHVPMPSEVVVE™DKAASL---WSLH--EQIKQMEMAVEEAAQSSSRRS™WQFMGARDAGAKEELRQVYGVSERTESDGAANTIQKLRAIN™ATGELGQW
-QVDCAIKTRNUITK DSTVCTIK DRKEUEKHVPMPISEIVVE™DKAATM---WSLH--ETIKQMIAAVEEAAQASSRKS™WQFMGARDAGAKDELRQVYGVSERTESDGAANUIHKLRAIN™TUAEUGQW
SPSNYAAONSELERUMDSKIIFNPIEEREGVEKFATTVKEGPILINP-SPS---CSLE--LKEKUETSHL---------KFD---ASLRRLQELGKDSFLNMDNKFETYONRUSIDYREIUHCUDNUGUI
MAITSTCELIWIKOLLREUKFGEINOME---LVCD--NOAAUYIASN-----LFD---AALADLKLSLPSOYKDTDDIYKKLRIKRUSNCYAKILLOCUENUGIII
```

DEXHc



Dicer_dimer

AtDCL4
Mi DCL4
SIDCL4
SIDCL2d
SIDCL2c
SIDCL2a
SIDCL2b
AtDCL2
Mi DCL2a
Mi DCL2b
SIDCL1
MiDCL1
AtDCL1
AtDCL3
Mi DCL3
SIDCL3

AtDCL4 Mi DCL4 SI DCL2d SI DCL2c SI DCL2a SI DCL2b AtDCL2 Mi DCL2a

MiDCL2b

SIDCL1 MiDCL1

AtDCL1

AtDCL3

Mi DCL3 SI DCL3

AtDCL4

MiDCL4

SIDCL4

SIDCL2d

SIDCL2c

SIDCL2a

SIDCL2b

AtDCL2

Mi DCL2a

Mi DCL2b

SIDCL1

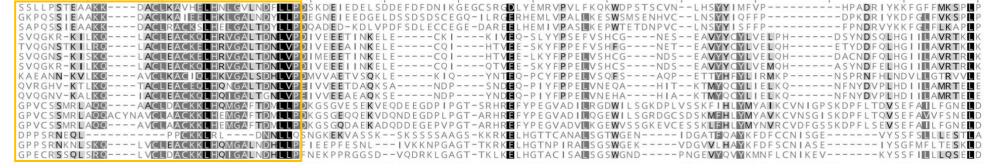
MiDCL1

AtDCL1

AtDCL3

Mi DCL3

SIDCL3



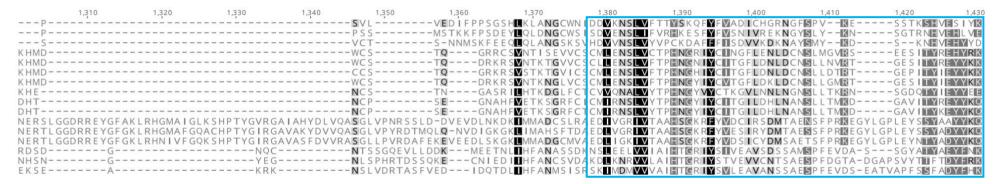
1.110

1,120

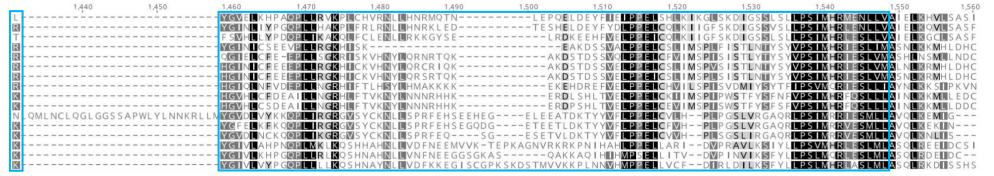
1.100

Dicer_dimer

1.050

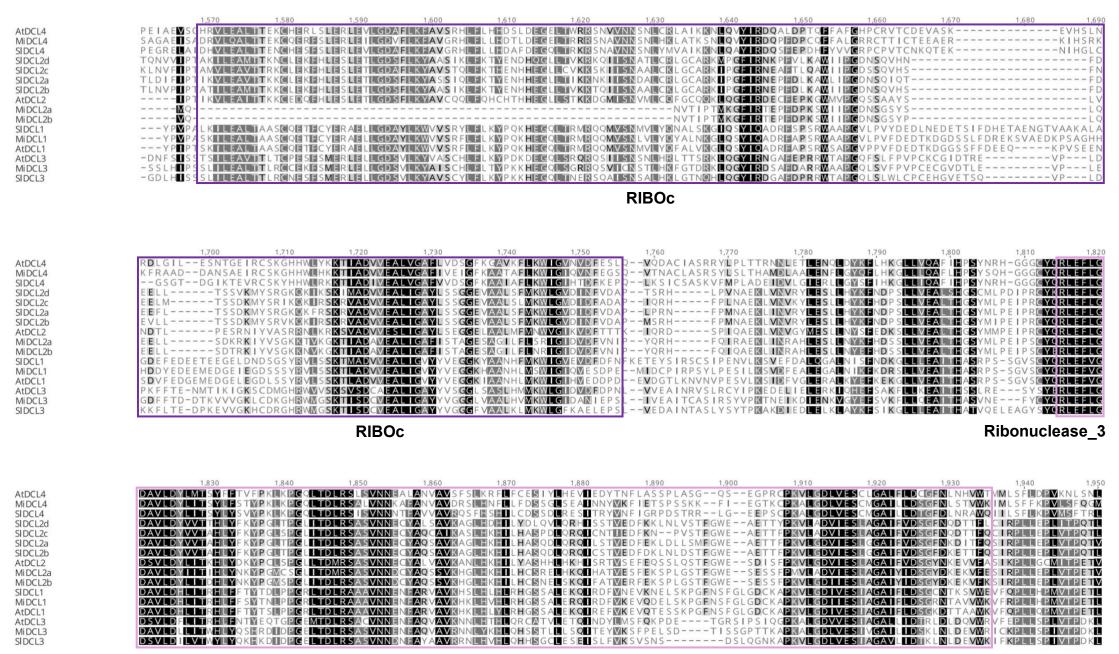


PAZ



PAZ

1.080



Ribonuclease_3

AtDCL4 MiDCL4 SIDCL4 SIDCL2d SIDCL2c	2,090 2,100 2,110 2,120 2,130 2,140 2,150 2,160 2,170 2,180 2,190 2,200 2NSER	E E
SIDCL2a SIDCL2b AtDCL2 MiDCL2a MiDCL2b SIDCL1 MiDCL1 AtDCL1 AtDCL3 MiDCL3 SIDCL3	DLELRTADSSFWDDRAKAQETLQALTDVKDRINLLTEFKTKVDDAVTIVNLTEEMDSIDAGLLEEAAGIIEELSKALDRFELTQLLSGPYDKEGAVISITAGAGCTDAQDWADMLLRMYVIDLELKTADSSFWDDRAKAQEILQALTDVKDRINLLTEFKTKVDDAVTIVNLTEEMDSIDAGLLEEAAVIIKELSKALDRFELTQLLSGPYDKEDGSMILFAMQHMGAG IPLIISLTQDWADMLLRMYVIDLELKTADSSFWDDRAKAQEILQALTDVKDRINLTEFKTKVEDAVTIVNLTEEMDSIDAGLLEEAAVIIKELSKALDRFELTQLLSGPYDKEDGSMILFAMQHMGAG IPLIISLTQDWADMLLRMYVIDLELKKNWPMISITACVHIOLOGA IIRLAKAWPMISITACVHIOLOGA IIRLAKAWPMISITACHIOLOGA IIRLAKAWPWISITACHIOLOGA IIRLAKAWPMISITACHIOLOGA IIRLAKAWPWISITACHIOLOGA IIRLAKAWPWIS	RW EG EG
	DSRM_DCL_plant	t
AtDCL4 MIDCL4 SIDCL4 SIDCL2d SIDCL2c SIDCL2a SIDCL2b	2,220 2,330 2,440 2,250 2,260 2,270 2,280 2,390 2,300 2,310 2,320 2,330 2 GPGHLISEVYKNIEVEDAPNMTLECYGARVTKIGAA	2,340
AtDCL2 MIDCL2a MIDCL2b SIDCL1 MIDCL1 AtDCL1 AtDCL3 MIDCL3 SIDCL3	GEKQRYKTRVVENSPGHEAGIKSATVEVEGRYAYGYLSGEKGTHRIVRQSPFNAKGL	

DSRM_DCL_plant