ConSurf Color-Coded MSA for Job:anuleka cepa Date: 24/10/2022

1 CepA WT AAA21532.1|hlab 2 CepA 01 AAA21533.1|hlab 3 CepA 02 AAA21534.1|hlab 4 CepA_03_AAA21535.1|hlab 5 CepA_04_CBX07046.1|hlab 6 CepA 05 KXU41062.1|hlab 7 CepA 06 CBX07043.1|hlab 8 CepA 07 EGM96002.1|hlab 9 CepA_08 EIY42666.1|hlab 10 CepA_09 EIY95316.1|hlab 11 CepA 10 EXY19300.1|hlab 12 CepA 11 EXY28329.1|hlab 13 CepA_12_EXY47305.1|hlab 14 CepA_13_EXY66440.1|hlab 15 CepA_14_EXZ06368.1|hlab 16 CepA 15 EXZ14938.1|hlab CepA 16 EXZ20393.1|hlab CepA 17 EXZ91867.1|hlab 19 CepA_18_EYA72157.1|hlab 20 CepA 19 YP 098534.1|hlab 21 CepA 20 RHD49540.1|hlab 22 CepA 21 RDT77422.1|hlab 23 CepA 22 AKA51196.1|hlab

MOKRLIHLSIIFFLL<mark>C</mark>PALVVAONSPL<mark>E</mark>TOLKKAIEGKKAEIGIAVIIDG MOKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>ETQLKKAIEGKKAEIGIAVI</mark>IDG MQKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>E</mark>TQLKKAIEGKKAEIGIAVIIDG MQKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>E</mark>TQLKKAIEGKKAEIGIAVIIDG MQKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>E</mark>TQLKKAIEGKKAEIGIAVIIDG MQKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>E</mark>TQLKKAIEGKKAEIGIAVIIDG MOKRLIHLSIIFFLL<mark>CPAL</mark>VVAQNSPL<mark>ETQLKKAIEGKKAEIG</mark>IAVIIDG MQKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>E</mark>TQLKKAIEGKKAEIGIAVIIDG MQKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPLETQLKKAIEGKKAEIGIAVIIDG MQKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>E</mark>TQLKKAIEGKKAEIGIAVIIDG MOKRLIHLSIIFFLLYPALVVAONSPLETOLKKAIEGKKAEIGIAVIIDG MQKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>E</mark>TQLKKAIEGKKAEIGIAVIIDG MQKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>E</mark>TQLKKAIEGKKAEIGIAVIIDG MQKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>E</mark>TQLKKAIEGKKAEIGIAVIIDG MQKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>K</mark>TQLKKAIEGKKAEIGIAVIIDG MQKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>E</mark>TQLKKAIEGKKAEIGIAVIIDG MQKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>E</mark>TQLKKAIEGKKAEIGIAVIIDG MQKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>E</mark>TQLKKAIEGKKAEIGIAVIIDG MQKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>E</mark>TQLKKAIEGKKAEIGIAVIIDG MQKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>E</mark>TQLKKAIEGKKAEIGIAVIIDG MOKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>ETQLKKAIEGKKAEIGIAVI</mark>IDG MQKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>E</mark>TQLKKAIEGKKAEIGIAVIIDG MQKRLIHLSIIFFLL<mark>C</mark>PALVVAQNSPL<mark>E</mark>TQLKKAIEGKKAEIGIAVIIDG

1 CepA WT AAA21532.1|hlab 2 CepA 01 AAA21533.1|hlab 3 CepA 02 AAA21534.1|hlab 4 CepA 03 AAA21535.1|hlab 5 CepA 04 CBX07046.1|hlab 6 CepA_05_KXU41062.1|hlab 7 CepA 06 CBX07043.1|hlab 8 CepA 07 EGM96002.1|hlab 9 CepA 08 EIY42666.1|hlab 10 CepA 09 EIY95316.1|hlab 11 CepA_10_EXY19300.1|hlab 12 CepA 11 EXY28329.1|hlab 13 CepA 12 EXY47305.1|hlab 14 CepA 13 EXY66440.1|hlab 15 CepA 14 EXZ06368.1|hlab 16 CepA_15_EXZ14938.1|hlab 17 CepA 16 EXZ20393.1|hlab 18 CepA 17 EXZ91867.1|hlab CepA 18 EYA72157.1|hlab 20 CepA_19_YP_098534.1|hlab 21 CepA 20 RHD49540.1|hlab 22 CepA 21 RDT77422.1|hlab 23 CepA_22_AKA51196.1|hlab

Q D T I T <mark>V</mark> N N D I H Y P M M S V F K F H Q A L A L A D <mark>Y</mark> M H H Q K Q P L <mark>E</mark> T R L L I K K S D L K P QDTIT<mark>V</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPL<mark>K</mark>TRLLIKKSDLKP QDTIT<mark>I</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPL<mark>K</mark>TRLLIKKSDLKP QDTIT<mark>V</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPL<mark>E</mark>TRLLIKKSDLKP QDTIT<mark>V</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPL<mark>E</mark>TRLLIKKSDLKP QDTIT<mark>V</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPL<mark>K</mark>TRLLIKKSDLKP QDTIT<mark>V</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPL<mark>K</mark>TRLLIKKSDLKP QDTIT<mark>V</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPL<mark>K</mark>TRLLIKKSDLKP QDTIT<mark>V</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPL<mark>E</mark>TRLLIKKSDLKP QDTIT<mark>I</mark>NNDIHYPMMSVFKFHQALALAD<mark>C</mark>MHHQKQPL<mark>K</mark>TRLLIKKSDLKP QDTIT<mark>V</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPL<mark>E</mark>TRLLIKKSDLKP QDTIT<mark>V</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPL<mark>K</mark>TRLLIKKSDLKP QDTIT<mark>V</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPL<mark>K</mark>TRLLIKKSDLKP QDTIT<mark>V</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPL<mark>K</mark>TRLLIKKSDLKP QDTIT<mark>V</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPL<mark>E</mark>TRLLIKKSDLKP QDTIT<mark>V</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPL<mark>E</mark>TRLLIKKSDLKP QDTIT<mark>V</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPLETRLLIKKSDLKP QDTIT<mark>V</mark>NNDIH YPMMSV <mark>FKFHQALALAD <mark>Y</mark>MHHQKQPL<mark>K</mark>TRLLIKKSD LKP</mark> QDTIT<mark>V</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPL<mark>K</mark>TRLLIKKSDLKP QDTIT<mark>V</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPL<mark>E</mark>TRLLIKKSDLKP QDTIT<mark>V</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPL<mark>K</mark>TRLLIKKSDLKP QDTIT<mark>I</mark>NNDIHYPMMSVFKFHQALALAD<mark>C</mark>MHHQKQPL<mark>K</mark>TRLLIKKSDLKP QDTIT<mark>I</mark>NNDIHYPMMSVFKFHQALALAD<mark>Y</mark>MHHQKQPL<mark>K</mark>TRLLIKKSDLKP

1 CepA WT AAA21532.1|hlab 2 CepA 01 AAA21533.1|hlab 3 CepA 02 AAA21534.1|hlab 4 CepA 03 AAA21535.1|hlab 5 CepA 04 CBX07046.1|hlab 6 CepA 05 KXU41062.1|hlab 7 CepA_06_CBX07043.1|hlab 8 CepA_07_EGM96002.1|hlab 9 CepA 08 EIY42666.1|hlab 10 CepA 09 EIY95316.1|hlab 11 CepA 10 EXY19300.1|hlab 12 CepA_11_EXY28329.1|hlab 13 CepA 12 EXY47305.1|hlab 14 CepA 13 EXY66440.1|hlab 15 CepA 14 EXZ06368.1|hlab 16 CepA 15 EXZ14938.1|hlab

D<mark>T</mark>YSPLRE<mark>T</mark>YPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK D<mark>T</mark>YSPLRE<mark>I</mark>YPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK D<mark>T</mark>YSPLRE**T**YPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK D<mark>T</mark>YSPLRE**T**YPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK D<mark>T</mark>YSPLRE<mark>T</mark>YPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK D<mark>T</mark>YSPLRE**T**YPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK D<mark>T</mark>YSPLRE<mark>I</mark>YPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK D<mark>T</mark>YSPLRE**T**YPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK D<mark>T</mark>YSPLRE<mark>T</mark>YPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK D<mark>T</mark>YSPLRE**T**YPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK D T Y S P L R E T Y P Q G G I E M S I A D L L K Y T L Q Q S D N N A C D I L F N Y Q G G P D A V N K D<mark>T</mark>YSPLRE<mark>T</mark>YPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK D<mark>I</mark>YSPLRE<mark>T</mark>YPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK D<mark>T</mark>YSPLRE<mark>T</mark>YPQGGIEMSIAD LLKYTLQQSDNNACDILFNYQGGPDAVNK DTYSPLRETYPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK D<mark>T</mark>YSPLRE<mark>I</mark>YPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK

```
17 CepA_16_EXZ20393.1|hlab
DTYSPLRETYPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK
18 CepA_17_EXZ91867.1|hlab
DTYSPLRETYPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK
19 CepA_18_EYA72157.1|hlab
DTYSPLRETYPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK
20 CepA_19_YP_098534.1|hlab
DTYSPLRETYPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK
21 CepA_20_RHD49540.1|hlab
DTYSPLRETYPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK
22 CepA_21_RDT77422.1|hlab
DTYSPLRETYPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK
23 CepA_22_AKA51196.1|hlab
DTYSPLRETYPQGGIEMSIADLLKYTLQQSDNNACDILFNYQGGPDAVNK
```

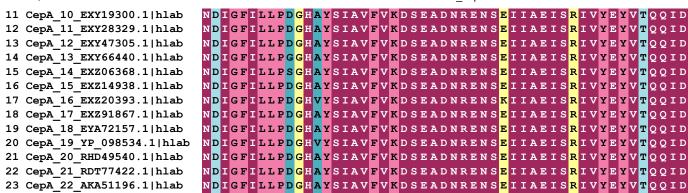
1 CepA WT AAA21532.1|hlab 2 CepA 01 AAA21533.1|hlab 3 CepA 02 AAA21534.1|hlab 4 CepA 03 AAA21535.1|hlab 5 CepA 04 CBX07046.1|hlab 6 CepA 05 KXU41062.1|hlab 7 CepA 06 CBX07043.1|hlab 8 CepA 07 EGM96002.1|hlab 9 CepA 08 EIY42666.1|hlab 10 CepA 09 EIY95316.1|hlab 11 CepA 10 EXY19300.1|hlab 12 CepA 11 EXY28329.1|hlab 13 CepA_12_EXY47305.1|hlab 14 CepA 13 EXY66440.1|hlab 15 CepA_14_EXZ06368.1|hlab 16 CepA 15 EXZ14938.1|hlab 17 CepA 16 EXZ20393.1|hlab 18 CepA 17 EXZ91867.1|hlab 19 CepA 18 EYA72157.1|hlab 20 CepA_19_YP_098534.1|hlab 21 CepA_20_RHD49540.1|hlab 22 CepA 21 RDT77422.1|hlab 23 CepA 22 AKA51196.1|hlab

YLHSLGIRECAVIHTENDMH<mark>K</mark>NLEFCYONWTTPLAAAKLLEIFRN<mark>E</mark>NLFD YLHSLGIRECAVIHTENDMH<mark>E</mark>NLE FCYQNWTTPLAAAKLLE I FRN<mark>E</mark>NLFD YLH SLGIRECAVIHTENDMH<mark>E</mark>N LE FCYQN<mark>W</mark>TTPLAAAKLLE IFRN<mark>E</mark>NLFD YLH SLG I RECAVIHTENDMH KNLE F C Y Q N W T T P L A A A K L L E I F R N E N L F D YL<mark>H</mark>SLGIRECAVIHTENDMH<mark>E</mark>NLEFCYQN<mark>W</mark>TTPLAAAKLLEIFRN<mark>E</mark>NLFD YLHSLGIRECAVIHTENDMH<mark>E</mark>NLEFCYQNWTTPLAAAKLLEIFRN<mark>E</mark>NLFD YLHSLGIRECAVIHTENDMHENLEFCYONWTTPLAAAKLLEIFRNENLFD YL<mark>H</mark>SLGIRECAVIHTENDMH<mark>E</mark>NLEFCYQN<mark>W</mark>TTPLAAAKLLEIFRN<mark>E</mark>NLFD YLH SLGIRECAVIHTENDMH KNLE FCYQN WTTPLAAAKLLE I FRNENLFD YLHSLGIRECAVIHTENDMH<mark>E</mark>NLEFCYQNWTTPLAAAKLLEIFRN<mark>E</mark>NLFD YL<mark>H</mark>SLGIRECAVIHTENDMH<mark>K</mark>NLE FCYQN<mark>W</mark>TTPLAAAKLLE I FRN<mark>E</mark>NLFD YLH SLGIRECAVIHTENDMH KN LE F C Y Q N WTT P L A A A K L LE I F R N E N L F D YL<mark>H</mark>SLGIRECAVIHTENDMH<mark>E</mark>NLEFCYQN<mark>W</mark>TTPLAAAKLLEIFRN<mark>E</mark>NLFD YL<mark>H</mark>SLGIRECAVIHTENDMH<mark>E</mark>NLEFCYQN<mark>W</mark>TTPLAAAKLLEIFRN<mark>K</mark>NLFD YL<mark>H</mark>SLGIRECAVIHTENDMH<mark>E</mark>NLEFCYQN<mark>W</mark>TTPLAAAKLLEIFRN<mark>K</mark>NLFD YL<mark>H</mark>SLGIRECAVIHTENDMH<mark>E</mark>NLEFCYQNWTTPLAAAKLLEIFRN<mark>E</mark>NLFD YL<mark>H</mark>SLGIRECAVIHTENDMH<mark>K</mark>NLE FCYQNWTTPLAAAKLLE I FRN<mark>E</mark>NLFD YL<mark>H</mark>SLGIRECAVIHTENDMH<mark>K</mark>NLE FCYQN<mark>W</mark>TTPLAAAKLLE IFRN<mark>E</mark>NLFD YL<mark>H</mark>SLGIRECAVIHTENDMH<mark>E</mark>NLE FCYQN<mark>W</mark>TTPLAAAKLLE IFRN<mark>E</mark>NLFD YLHSLGIRECAVIHTENDMH<mark>K</mark>NLEFCYQNWTTPLAAAKLLEIFRN<mark>E</mark>NLFD YLNSLGIRECAVIHTENDMH<mark>K</mark>NLEFCYQNWTTPLAAAKLLEIFRN<mark>E</mark>NLFD YL<mark>H</mark>SLGIRECAVIHTENDMH<mark>E</mark>NLE FCYQNWTTPLAAAKLLE I FRN<mark>E</mark>NLFD YLH SLGIRE CAVIHTEND M HE N LE F C Y Q N W T T P L A A A K L L E I F R N E N L F D

1 CepA WT AAA21532.1|hlab 2 CepA 01 AAA21533.1|hlab 3 CepA 02 AAA21534.1|hlab 4 CepA 03 AAA21535.1|hlab 5 CepA 04 CBX07046.1|hlab 6 CepA 05 KXU41062.1|hlab 7 CepA 06 CBX07043.1|hlab 8 CepA 07 EGM96002.1|hlab 9 CepA 08 EIY42666.1|hlab 10 CepA 09 EIY95316.1|hlab 11 CepA_10_EXY19300.1|hlab 12 CepA 11 EXY28329.1|hlab 13 CepA 12 EXY47305.1|hlab 14 CepA 13 EXY66440.1|hlab 15 CepA 14 EXZ06368.1|hlab 16 CepA 15 EXZ14938.1|hlab 17 CepA_16_EXZ20393.1|hlab 18 CepA 17 EXZ91867.1|hlab 19 CepA 18 EYA72157.1|hlab 20 CepA 19 YP 098534.1|hlab 21 CepA 20 RHD49540.1|hlab 22 CepA_21 RDT77422.1|hlab 23 CepA 22 AKA51196.1|hlab

KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT**M**GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>I</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>A</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYOTMVECOTGOGRLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGOOI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C KEYKNFIYQTMVECQTGQ<mark>D</mark>RLIAPLLDKKVT<mark>M</mark>GHKTGTGDRNAKGQQI<mark>G</mark>C

1 CepA WT AAA21532.1|hlab 2 CepA_01_AAA21533.1|hlab 3 CepA_02_AAA21534.1|hlab 4 CepA_03_AAA21535.1|hlab 5 CepA_04_CBX07046.1|hlab 6 CepA_05_KXU41062.1|hlab 7 CepA_06_CBX07043.1|hlab 8 CepA_07_EGM96002.1|hlab 9 CepA_08_EIY42666.1|hlab 10 CepA_09_EIY95316.1|hlab NDIGFILLPDGHAYSIAVFVKDSEADNRENSEIIAEISRIVYEYVTQQID
NDIGFILLPDRHAYSIAVFVKDSEADNRENSEIIAEISRIVYEYVTQQID
NDIGFILLPDGHAYSIAVFVKDSEADNRENSEIIAEISRIVYEYVKQQID
NDIGFILLPDGHAYSIAVFVKDSEADNRENSEIIAEISRIVYEYVTQQID
NDIGFILLPDGHAYSIAVFVKDSEADNRENSEIIAEISRIVYEYVTQQID
NDIGFILLPDGHAYSIAVFVKDSEADNRENSEIIAEISRIVYEYVTQQID
NDIGFILLPDGHAYSIAVFVKDSEADNRENSEIIAEISRIVYEYVTQQID
NEIGFILLPDGHAYSIAVFVKDSEADNRENSEIIAEISRIVYEYVTQQID
NEIGFILLPDGHAYSIAVFVKDSEADNRENSEIIAEISRIVYEYVTQQID
NDIGFILLPDGHAYSIAVFVKDSEADNRENSEIIAEISRIVYEYVTQQID



1 CepA WT AAA21532.1|hlab 2 CepA 01 AAA21533.1|hlab 3 CepA 02 AAA21534.1|hlab 4 CepA 03 AAA21535.1|hlab 5 CepA 04 CBX07046.1|hlab 6 CepA 05 KXU41062.1|hlab 7 CepA_06_CBX07043.1|hlab 8 CepA 07 EGM96002.1|hlab 9 CepA_08_EIY42666.1|hlab 10 CepA 09 EIY95316.1|hlab 11 CepA_10_EXY19300.1|hlab 12 CepA 11 EXY28329.1|hlab 13 CepA 12 EXY47305.1|hlab 14 CepA_13_EXY66440.1|hlab 15 CepA_14_EXZ06368.1|hlab 16 CepA 15 EXZ14938.1|hlab 17 CepA 16 EXZ20393.1|hlab 18 CepA 17 EXZ91867.1|hlab 19 CepA_18_EYA72157.1|hlab 20 CepA_19_YP_098534.1|hlab 21 CepA_20_RHD49540.1|hlab 22 CepA 21 RDT77422.1|hlab 23 CepA_22_AKA51196.1|hlab



 $^{\rm X}$ - Insufficient data - the calculation for this site was performed on less than 10% of the sequences.