

## S2 File. Sequences for MEME analysis

The MEME analysis of OBPs

>BtabOBP1

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>BtabOBP4

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>BtabOBP6

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>BtabOBP8

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>ApisOBP1

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>ApisOBP2

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>ApisOBP3

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>ApisOBP4

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>ApisOBP5

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>ApisOBP6

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>ApisOBP7

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>ApisOBP9

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>ApisOBP10

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>ApisOBP11

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>ApisOBP12

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>AlinOBP1

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>AlinOBP2

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>AlinOBP3

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>AlinOBP4

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>AlinOBP5

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>AlinOBP6

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>AlinOBP7

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>AlinOBP8

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>AlinOBP9

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>AlinOBP10

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>AlinOBP11

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>AlinOBP12

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>AlinOBP13

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>AlinOBP14

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>AlinOBP15

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>AlinOBP17

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>AsutOBP1

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>AsutOBP2

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>AsutOBP3

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>AsutOBP6

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>AsutOBP9

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>AsutOBP10

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>AsutOBP11

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>AsutOBP12

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>AsutOBP31

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>AsutOBP32

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>AglyOBP2

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>AglyOBP6

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>AgosOBP3

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>AlucOBP15

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>AlucOBP16

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>AlucOBP17

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>AlucOBP18

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>AlucOBP19



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>AlucOBP20

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>AlucOBP21

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>AlucOBP22

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>AlucOBP24

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>AlucOBP26

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>AlucOBP27

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>AlucOBP28

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>AlucOBP29

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>AlucOBP30

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>AlucOBP31

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>AlucOBP32

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>AlucOBP33

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>AlucOBP34

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>AlucOBP35

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>AlucOBP36

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>AlucOBP37

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>AlucOBP38

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>LstrOBP1

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>LstrOBP3

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>LstrOBP4

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>LstrOBP5

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>LstrOBP6

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>LstrOBP7

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>LstrOBP8

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>LstrOBP9

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>MperOBP3

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>MperOBP6

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>MperOBP7

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>MperOBP8

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>MperOBP10

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>NlugOBP1

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>NlugOBP2

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>NlugOBP3

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>NlugOBP4

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>NlugOBP7

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>NlugOBP8

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>PsolOBP1

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>PsolOBP2

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>PsolOBP3

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>PsolOBP4

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>PsolOBP5

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>PsoI OBP6

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>PsoI OBP7

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>PsoI OBP8

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>PsoI OBP9

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>PsoI OBP10

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>PsoI OBP11

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>PsoI OBP12

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>PsoI OBP13

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>PsoI OBP14

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>PsoI OBP15

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>SfurOBP1

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>SfurOBP2

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>SfurOBP3

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>SfurOBP4

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>SfurOBP5

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>SfurOBP8

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>SfurOBP10

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>SfurOBP11

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>SfurOBP12

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>TbraOBP1

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>TbraOBP2

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>TbraOBP3

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>TbraOBP7

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>TbraOBP10

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>TbraOBP11

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>TbraOBP12

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>TbraOBP13

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>TbraOBP14

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>TbraOBP15

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>TbraOBP18

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>TbraOBP19

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>TbraOBP20

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>TbraOBP21

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The MEME analysis of CSPs

>BtabCSP1

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>BtabCSP2

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>BtabCSP3

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>BtabCSP4

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KFMSS

>BtabCSP5

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>BtabCSP6

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>BtabCSP7

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>BtabCSP8

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>BtabCSP9

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>BtabCSP10

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>BtabCSP11

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>BtabCSP12

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>BtabCSP13

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>AlinCSP1

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>AlinCSP2

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>AlinCSP3

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>AlinCSP4

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>AlinCSP5

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>AlinCSP6

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>AlinCSP7

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>AlinCSP8

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>AlinCSP9

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>AlinCSP10

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>AlinCSP11

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>AsutCSP1

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>AsutCSP2

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>AsutCSP3

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>AsutCSP4

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>AsutCSP5

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>AsutCSP6

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>AsutCSP7

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>AsutCSP8

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>AgosCSP1

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>AgosCSP2

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>AgosCSP4

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>AgosCSP5

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>AgosCSP6

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>AgosCSP7

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>AgosCSP8

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>AgosCSP9

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>AgosCSP10

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>AlucCSP1

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>AlucCSP2

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>AlucCSP3

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>AlucCSP4

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>AlucCSP5

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>AlucCSP6

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>AlucCSP7

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>AlucCSP8

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>LeryCSP

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>MperCSP1

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>MperCSP4

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>MperCSP5

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>NlugCSP1

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>NlugCSP2

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>NlugCSP6

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>NlugCSP8

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>NlugCSP10

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>PsolCSP2

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>PsolCSP3

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>PsolCSP4

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>PsolCSP6

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>PsolCSP7

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>PsolCSP10

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>PsolCSP11

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>PsolCSP12

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>SaveCSP1

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>SfurCSP1

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>SfurCSP4

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>SfurCSP5

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>SfurCSP6

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>SfurCSP7

MRASKASSLVAVLLIAVWGFTGVQAQQKSKDTRYTTRFDSIDVEVILKNERIF  
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NKRPYWDLLLAKYDPQGIFRAKYNYNENNIEGV LKQLEREQQGLYGTYSNT  
TNTTNTVNSTSTRK

>SfurCSP8

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EKEYDPEGIYRDKYKPIAQEKGIKI

>SfurCSP9

MRCLLLVAVVFAAFIAAARA DEANKYTSKYDNIDDKILKNDRVLSQYIKCLM  
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RLLDKYDPQGDKRKNL KLD

>TbraCSP1

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>TbraCSP2

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>TbraCSP3

MSRTIAFFCLFVLVCTYAASTYTTKYDNIDVEEILNNDRLYKKYYDCLANKAN  
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>TbraCSP4

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CTPDGKELKDILPDALKTGCTKCNEKQKKGAEKVIRFLENKRADFDLEKI  
YDPSGTYRKKYAPEAQKYGINV

>TbraCSP5

MQGLTVVLICSLATALSATTYTTKYDNIDLDVLRNDRVYKTYYNCLTNKGG  
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>TbraCSP6

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ELLGKYDPNGKFRKKYEEAALQDEDEYSSFYNE

>TbraCSP7

MKASLLLLQVSIVLVAMVTWNMAAEGRSVSDALEAALKDKRYLARQLKC  
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>TbraCSP8

MLFRHHTLSAIVLFFSLNLA STLTLQQIHRSWFQRLSVIPVEDVLNNRRILNKY  
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>TbraCSP9

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ESKKKLGEVFTTNAKCNKKQRQDTRAAALRKLREKPKQLFLEIFEKYDAGSK  
HLDGFLIWLKKNND

>TbraCSP10

MKKMKLLKLVALLILSASISTAEEDNEFNRLFDPNVDVDAVLDNDRVLNAYL  
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>TbraCSP11

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DHILRIYDPNGEYWPNIKKFMES

>TbraCSP12

MKSAIIVFLLVICAGTNLASTYTTKYDNIDLDEILSNERIYVKYYNCLLNKSR  
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>TbraCSP13

MMSATILAFSTIIAASFAASTYTTQYDNIDLDEILNNERVYIKYFNCLIGKDQCT  
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>TbraCSP14

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>TbraCSP15

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>TbraCSP16

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SKKYETKVPASK