

10 20 30

CAGT  
 CAGTHIOGN\_2  
 CAGTHIOGN\_1  
 GMU12150  
 AF112443  
 AF128239  
 BOAJ5280  
 BOAJ5281  
 ZMA133530

```

MAGFSKVVATI FL MMLLV - - - - - FATD - - - - - MM
MAGFSKVIATI FL MMLLV - - - - - FATD - - - - - MM
MAGFSKVIATI FL MMLLV - - - - - FATG - - - - - MV
MSRSVPLVSTICV LLLLV - - - - - VATE M MGPTMV
MARSIFYMAFLVLA MTLF - - - - - VAYG - - - - - VQ
MARSIFYMAFLVLA VTLF - - - - - VANG - - - - - VQ
MKNTVKLSLIGFV MLTVL - - - - - LLGETVI A QKR
MKNTVKLSLIGFV MLTVL - - - - - LLGETVI A QKR
MRI VYMAAVMCLV LAT MS STSPSFC QAGGCI GCPRA
  
```

40 50 60 70

CAGT  
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```

AEA KICEALSGNF KGLCLSSRDCGNVC - RREG - - -
AEA KICEALSGNF KGLCLSSRDCGNVC - RREG - - -
AEARTCESQSHRFKGLCF SKSNC GSV - HTEG - - -
AEARTCESQSHRFKGPCLSDT NCGSV - RTER - - -
GKEICCKELTKPVK - - CS SDPLCQKLC MEKEK - - -
GQNNICKTTSKHF KGLCFADSKCRKVC IQEDK - - -
KPCYSQEP - - - DKT - - - CEVNRCKANCV KKHKKILA
KPCYSQEP - - - DKT - - - CEVNRCKANCV KKHKKILA
PPPPSDETCYEDLK - - - CSASRCHLGC IHRGYK - - -
  
```

80 90 100

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- - - - - FTDGSC - IGFRLQCFCTKPCA - - - - -
- - - - - FTSGVC - RGFPLKCF CRKPGA - - - - -
- - - - - FNGGHC - RGFRRRCFCTRHC - - - - -
- - - - - FTGGHC - RGFRRRCFCTKHC - - - - -
- - - - - YEDGHC - FTILSKCLCMKRC - - - - -
- - - - - FEDGHC - SKLQRKCLCTKN CVFDNIPNDVG
FTSCIKENNGNM YCRCQYPCPP - - - - -
FTSCIKENNGNM YCRCQYPCPP - - - - -
- - - - - GTGS - YCRGRDCCKH - - - - -
  
```

110 120 130

CAGT  
 CAGTHIOGN\_2  
 CAGTHIOGN\_1  
 GMU12150  
 AF112443  
 AF128239  
 BOAJ5280  
 BOAJ5281  
 ZMA133530

```

- - - - -
- - - - -
- - - - -
- - - - -
- - - - - NAKTLATELLA -
- - - - - TILVQDAKTL EAQLLEEEI LGL -
- - - - -
- - - - -
- - - - -
  
```