

A

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[1] MSLKITDDCINCD---VCEPECPNGAISQGEIYVIDP
[2] MALMITDECINCD---VCEPECPNGAISQGETYVIEP
[3] MALLITKKCINCD---MCEPECPNEAISMGDHIYEINS
[4] MATFITEECINCG---ACEPECPNSAISQGDDIYVINP
[5] MATHITEECINCG---ACEPECPNEAISEGEEIYVIDP
[6] MSLLVNDECIACD---ACREECPSAIEEGDPIYNIDP
[7] MSLLITKDCVCCD---ACREECPDEAIYENSPIYVIDP
[8] MSFKITDDCISCG---ACEPECPNKAISEGETIYIIDP
[9] MALMITDECINCD---VCEPECPNGAIYQGDEIYEIDP
[10] MALYINDDCTACD---ACVEECPNEAITPGDPIYVIDP
[11] MALMINEDCTACD---ACRPVCPNQAISASDTIYAVDA
      *:  :  *  *  *  **  **  *  ::

[12] AYVINEACISCG---ACEPECPVNAISSGDDRYVIDA
[13] 14X YISIDTKCIDCAAERACLTACPKNMFELITDDYDDEVAWVKKECTR--TIA
[14] MAVKITDICIACG---SCIDECPVNAIV-11X-YYVYA

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[1] NICTECVG--HYDEPQCQQVCPV-DCIPLDDANVESKDQLMEKYRKITGKA----- 83
[2] SICTECVG--HYETSQCVEVCPV-DCIIKDPSSHEETEDELRAKYERITGEG----- 83
[3] DKCTECVG--HYETPTCQKVCPIPNTIVKDPAHVETEEQLWDKFVLMHHADKI----- 86
[4] DICTECVG--FHGEECAAVCPV-DCCVPDPNRTETEEQNYAKLATIHPDKTFFPSLGELTAELSRFRK- 100
[5] NICTECVG--FHEYEQAVCPV-ECCLPDPERKETEDTLIARARVIHSDKDFG-----DSFSPSRFRKS 96
[6] DFCTECYGY-DDDEPFCVSVCPV-DAILPDPNNAESKEELKYKYESILKEQD----- 84
[7] DICSECVN--DFSEPA CIVACPY-ECIIPDPDNVETIEELKLKHRD-REF----- 81
[8] EKCSECVG--AFDTPQCVEICPV-DSCVK--CCNESNDELLAKWQKQHPGESPK----- 84
[9] NKCTECVG--HFDEPQCQQVCPV-DCIPMNPDVVETKEQLMEKFVRLTSQKV----- 84
[10] TKCSECVG--AFDEPQCRLVCPA-DCIPDNPDYRETREELQEKYDRLHG----- 81
[11] LFCTECVG--AEDEPQCQILVCPA-DCIVPNPDWRETPEQLQDKYQQILHS----- 81
      *: **  (1) *  ** :  *: : (2) :

[12] DTICIDC-G- A-----CAGVCPV-DAPVQA----- 55
[13] YSCTECKPAGGYTSLFCTTACTPGAIKHSW----- 94
[14] NKCVECVG--HNDQPA CASACPTDGCIVWSAVESGQPSRDNIGADMRSGLDTPVFA----- 94

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B

