

h MAGLTA AAPRPGVLLLLLSILHPSRPGGVPGAIPGGVPGGVFYFPGAGLG-----ALGGG
p --MASCKLLWTLHALLTLCLLRTSLQGGVPGAGAGGLYG-ALYPGGVHGGYKPKGAAGIG
:. . ** *.:*: * ***** .**: * .:***. * * * *

h ALPGGKPLKPVPGGLAGAGLGAG-LGAFP-----AVTFPGALVPGGVADAAAAYK
p AGGLGAGGLGAIPGAGVGTGIGAGGLGVIPGAGLGTGLGAGVGAGGLIPGLAAGTGIGVK
* * * . * .:***. .*:*:*** **.:* * . .*:*** .*:.. . *

h AAKAGAGLGGVPGVGGLG-----
p PPKLGAGIGGLGGLGGVPGGLGGLGGVPGGLGGFGGVPGGLGGFGGIPGGLGGLGGIPGG
..* ***:**: *:**:

h -----
p LGGLGGIPGGLGGLGGIPGGLGGLGGLGVGQYPGGVKPKPVPGTGVGVPGTGVGGTGIGG
h -----VSAGAVVPQP-----GAGVKPGK-VPGVGLPGVYPGGVLPG----ARFPGV
p VGTGVQPGVSSGAVIPQTGAQPGVGAAGKPKQLPGVGIPGVYPGGFIPGPGGLLPGTGV
.:*:*. ** .*** :****:*****.:** .**

h GVLPGVPTGAGVKPKAPGVGGAFAFAGIPGVGPFGGPQPGVPLGYPIKAPKLPGGYGLPYTT
p GVLPGVPTGTGIGKQKVPGAGGTVAGVPGVGGFGGQPGVPLGYPIKTPKLPGGYGLPYSS
*****.:*: * **.**:**:*** ** *****:*****.:*

h GKLPYGYGPGGVAG--AAGKAGYPTGTGVGPQAAAAAAKAAAKFGAGAAGVLPGVGGA
p GKLPYGFGTGAGIGGVPAGLPGFPTGTGAGAQAAAAKAAAKYAGAGR--YPGVG--
*****.:*. * **.**:***. *.***** ** ***:***. ****

h GVPGVPGAIPGIGGIAGVGTAAAAAATAAKAYGAAAGLVPGGPGFGPGVGVPG--
p SIGGVPLVPGVG--LGGGLVPGAGAGGRYPGVGSIGGVPLVPGVGLGGGLVPGAVPGA
.: **** :**: * * * ..*.*. *..***** * * * .

h ---AGVPGVGVPGAGIPVVPAGIPG--AAVPGVVSPEAAAKAAAKYGARPGVGVG
p VSAKAAYGYGIPGAGVAGLPGVVPAGVGRLPGFVPGVGVPGAGVVPGTGIVPGAGIG
* . * *:***:.. :**. . . :***. ... *. . * **.*:

h GIPTYGVGAGGFPFGFVGVGIGIPGVAGVPSVGGVPGVGGVPGVGISPEAQAAAAKAAKY
p ISPKAGVVPAGAGIGVSPGAGVVPGTGVGVVPGTGVGVVPGTGVGVVPGTGVGVVPGTGVG
* . ** *. *.. *. * :***. * ** .***: * : :.

h GVG--TPAAAAAATAAKAAQFGLVPGVGVAPGVGVAPGVGLAPGVGVAPGVGVA
p VVPGTGVGAVPGAGLVSPKAGVVPGVGVPGAGVGIGS-VIPGVGVVPGVGVVPAGVV
* .*. . . .:.: *:*****.***. * * * ****:*****.***. *

h PGVGVAPGIGPGGVAAAAKSAAKVAAKAQLRAAGLGAGIPGLGVGVGPGLGVGAGVPG
p PGVGVVPGTGTIGVVPGTGVGAVPGAGVGVSPKAVLP--VQPGVLVQPSGTVTSVSGATPA
*****. * * * *..:.. *. * . . * ** : * . *.....*

h LGVGAGVPGFGAGADEGVRRSLSPELREGDPSSSQHLPSTPSSPRVPGALAAAKAYGA
p PGAANGTVIHGGVAGTGVVQPGVGVVQPG-VGGVAPGAVVPGAGVGVGGVGVGAGKP
*.. * . *. * * * :. : : * .. . *. * :..... .

h AVPGVLGGLGALGGVGIPGGVVGAGPAAAAAATAAKAAQFGLVGAAGLGGLVGGGLG-
p LKPGAAG-LPFVGGAGLQPGAGLQLPTGIGAGLKPGKIGAGVGLGGVPGVPGAGLGGGLG
* . * * :***: * . *:.. *. *.. *. ** *.*: * *:***

h VPGVGGGLGGIPAAAAKAAKYGAAGLGGVLGGAGQFPLG---GVAARPGFGLSPIFPGGA
p VPGGAGVGGVGVPGVPGAGIGGLGYPAGARYPGGIKPKPGYGAGVLPFGFGYSPIAPGLA
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h CLG-----KACGRKRK
p SQLGYPAKPKPSYGGALNLLAAYRGGYPCGAGLCKGRK-
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