

**a**

MLGARDKRTNLSGFPFSSWSLVCCRSGFNSSSSAPQKDLNNENLTKNCSSESSNKKKPG  
GWKAMPFILGN**ETFERLA**AFGLFANFMVYLTREFHLNQVDASNILNIWSGITNFFPLVGA  
FISDAYVGRFRRTIAFASFSSLLGMIMITLTAWLPKLPHPPCSPQQLASNQCVKASTTHVG  
SLGIGLFFLSIGSAGIRPCSIPFGVDQFDPTTDEGKKGINSFFNWYYTFTTVLLITQTV  
VVYVQDSVSWKIGFAIPTLCMFCSIIFFFVGTRIYVHVKPEGSIFSSIAQVLVAAYRKRN  
VNLPSKQVDGVFYDPPLKESAALSKLPFTNQFRILNKAALIMEGEVNPDGSRVNQWNLV  
SIQQVEEIKCLARIFPIWAAGILGFTAMAQQGTFTVSQAMKMDRHIGSKFQIPAGSLGVI  
SFITIGLVVPFYDRFFVPALRRITKHEGGITLLQRIGIGMVFSVLSMIVAGLVEKVRRGV  
ANSNPPLGIAPMSVMWLAPQLVLMGLCEAFNAIGLIEFFNRQFPEHMRSIANALFSCSF  
ALASYVSSILVSTVHHATRTHSHPDWLTNDINAGRLDYFYLIAGIGVLNLIYFLYVAQG  
YHYKGSVELQGKEDVELGSKGELDYTGPRFEDSK

**b**