```
.......................................RAQHFTNYNAVMPPCIIAAGLGELTGTGDCTAHPRLGFRHKVAAVTTDLPLAPDKPIDFGMLDFCRVCGKCADNCPSG   78
.......................................RAQHFTNYNAVMPPCIIAAGLGELTRTGDCTAHPRLGFRHKVAAVTTDLPLAPDKPIDFGMLDFCRVCGKCADNCPSG   78
.......................................RAQHFTNYNAVMPPCIIAAGLGELTRTGDCTAHPRLGFRHKVAAVTTDLPLAPDKPIDFGMLDFCRVCGECADNCPSG   78
.......................................RAQHFTNYNAVMPPCIIAAGLGELTRTGDCTAHPRLGFRHKVAAVTTDLPLAPDKPIDFGMLDFCRVCGKCADNCPSG   78
.......................................RAQHFTNYNAVMPPCIIAAGLGELTRTGDCTAHPRLGFRHKVAAVTTDLPLAPDKPIDFGMLDFCRVCGKCADNCPSG   78
.......................................RAQHFTNYNAVMPPCIIAAGLGELTRTGDCTAHPRLGFRHRVAAVTTDLPLAPDKPIDFGMLDFCRVCGKCADNCPSG   78
.......................................RAQHFTNYNAVMPPCIIAAGLGELTRTGDCTAHPRLGFRHKVAAVTTDLPLAPDKPIDFGMLDFCRVCGKCADNCPSG   78
.......................................RAQHFTNYNAVMPPCIIAAGLGELTRTGDCAAHPRLGFRHKVAAVTTDLPLAPDKPIDFGMLDFCRVCGKCADNCPSG   78
.......................................RANHISNYEAVMGPCLIASGLGELSRTGDCVAHPRLGFRHKCAAVTTDLPLVPDNPIDFGLQDFCRVCKKCADNCPGG   78
.......................................RANHISNYEAVMGPCLIASGLGELSRTGDCVAHPRLGFRHKCAAVTTDLPLVPDNPIDFGLQDFCRVCKKCADNCPGG   78
.......................................RANHISNYEAVMGPCLIASGLGELSRTGDCVAHPRLGFRHKCAAVTTDLPLVPDNPVDFGLQDFCRVCKKCADNCPGG   78
.......................................RANHISNYEAVMGPCLIASGLGELSRTGDCVAHPRLGFRHKCAAVTTDLPLVPDNPIDFGLQDFCRVCKKCADNCPGG   78
.........DGISAGQSFRSYHASGVIAVILASYIRNLGYNARANHISNYEAVMGPCLIASGLGELSRTGDCVAHPRLGFRHKCAAVTTDLPLVPDNPIDFGLQDFCRVCKKCADNCPGG  111
.......................................RAHHFSNYALILAPCMVSAGMGEMTRTGDCMAHPTLGFRTKAAAVTTDLPLAPDRPIDFGAQDFCRVCKKCADNCPSG   78
.......................................RAHHFSNYALILAPCMVSAGMGEMTRTGDCMAHPTLGFRTKAAAVTTDLPLAPDRPIDFGAQDFCRVCKKCADNCPSG   78
.......................................RAHHFSNYALILAPCMVSAGMGEMTRTGDCMAHPTLGFRTKAAAVTTDLPLAPDRPIDFGAQDFCRVCKKCADNCPSG   78
.......................................RAHHFSNYALILAPCMVSAGMGEMTRTGDCMAHPTLGFRTKAAAVTTDLPLAPDRPIDFGAQDFCRVCKKCADNCPSG   78
.......................................RAHHFSNYALILAPCMVSAGMGEMTRTGDCMAHPTLGFRTKAAAVTTDLPLAPDRPIDFGAQDFCRVCKKCADNCPSG   78
ETMWASTGYDGISGAMSMQSYFTSGCIAVIMAKYIRTLGYNARAHHAKNYEAIMPVCIMAAGLGELSRTGDCAIHPRLGYRHKVAAVTTDLPLAPDKPIDFGLLDFCRVCKKCADNCPND  120
ETMWASTGYDGISGAMSMQSYFTSGCIAVIMAKYIRTLGYNARAHHAKNYEAIMPVCIMAAGLGELSRTGDCAIHPRLGYRHKVAAVTTDLPLAPDKPIDFGLLDFCRVCKKCADNCPND  120
ETMWASTGYDGISGAMSMQSYFTSGCIAVIMAKYIRTLGYIARAHHAKNYEAIMPVCIMAAGLGELSRTGDCAIHPRLGYRHKVAAVTTDLPLAPDKPIDFGLLDFCRVCKKCADNCPND  120
...............................LAKYIRTLGYNARAHHAKNYEAIMPVCIMAAGLGELSRTGDSAIHPRLGFRHKVAAVTTDLPLAPDQPLDFGLLDFCRVCKKCADNCPNE   90
...............................LAKYIRTLGYNARAHHAKNYEAIMPVCIMAAGLGELSRTGDSAIHPRLGFRHKVAAVTTDLPLAPDQPLDFGLLDFCRVCKKCADNCPNE   90
...............................LAKYIRTLGYNARAHHAKNYEAIMPVCIMAAGLGELSRTGDSAIHPRLGFRHKVAAVTTDLPLAPDQPLDFGLLDFCRVCKKCADNCPNE   90
```

```
AITKDKEPVEYNGYLRWNTDSKKCTIFRATNKEGSSCGRCMKVCPWDSKEQSWFHEAGTWIGSHGEASSSLLKKIDDM.   156
TITKDKEPVEYNGYLRWNTDSKKCTIFRATNKEGSSCGRCMKVCPWDSKEQSWFHEAGTWIGSHGEASSSLLKKIDDM.   156
AITKDKEPVEYNGYLRWNTDSKKCTIFRATNKEGSSCGRCMKVCPWDSKEQSWFHEAGTWIGSHGEASSSLLKKIDDM.   156
AITKDKEPVEYNGYLRWNTDSKKCTIFRATNKEGSSCGRCMKVCPWDSKEQSWFHEAGTWIGSHGEASSSLLKKIDDM.   156
AITKDKEPVEYNGYLRWNTDSKKCTIFRATNKEGSSCGRCMKVCPWDSKEQSWFHEAGTWIGSHGEASSSLLKKIDDM.   156
AITKDKEPVEYNGYLRWDTDSKKCTIFRATNKEGSSCGRCMKVCPWDSKEQSWFHEAGTWIGSHGEASSSLLKKIDDM.   156
AITKDKEPVEYNGYLRWNTDSKKCTIFRAANKEGSSCGRCMKVCPWDSKEQSLVHEAGTWIGSHGEASSSLLKKIDDM.   156
AITKDKEPVEYNGYLRWNTDSKKCTIFRATNKEGSSCGRCMKVCPWDSKEQSWFHEAGTWIGSHGEASSSLLKKIDDM.   156
AITFDDDPVEHNGYLRWNSDAQKCTIFRSTNKEGSSCGRCMKVCPWDSKEQSWFHEAGTWIGSKGENSSRLLKTIDDM.   156
AITFDDDPVEHNGYLRWNSDAQKCTIFRSTNKEGSSCGRCMKVCPWDSKEQSWFHEAGTWIGSKGENSSRLLKTIDDM.   156
AITFDDDPVEHNGYLRWNSDAQKCTIFRSTNKEGSSCGRCMKVCPWDSKEQSWFHEAGTWIGSKGENSSRLLKTIDDM.   156
AITFDDDPVEHNGYLRWNSDAQKCTIFRSTNKEGSSCGRCMKVCPWDSKEQSWFHEAGTWIGSHGQSSSRLLKQIDDM.   156
AITFDDDPVEHNGYLRWNTDSLKCTIFRSTNKEGSSCGRCMKVCPWDSKEQSWFHEAGTWIGSKGETSSRLLKTIDDM.   189
AITQDEDYIEKNGILRWQTDIKKCVEFRVTNKEGSMCGLCMKVCPWNSKEDSWFHQAGTFIGSKGETASNLLKQVDDM.   156
AITQDEDYIEKNGILRWQTDIKKCVEFRVTNKEGPMCGLCMKVCPWNSKEDSWFHQAGTFIGSKGETASNLLKQVDDM.   156
AITQDEDYIEKNGILRWQTDIKKCVEFRVTNKEGSMCGLCMKVCPWNSKEDSWFHQAGTFIGSKGETASNLLKQVDDM.   156
AITQDEDYTEKNGILRWQTDIKKCVEFRVTNKEGSMCGLCMKVCPWNSKEDSWFHQAGTFIGSKGETASNLLKQVDDM.   156
AITQDEDYIEKNGILRWQTDIKKCVEFRVTNKEGSMCGLCMKVCPWNSKEDSWFHQAGTFIGSKGETASNLLKQGDDM.   156
AITFDEDPVEYNGYLRWNSDFKKCTEFRTTNEEGSSCGTCLKVCPWNSKEDSWFHKAGVWVGSKGEAASTFLKSIDDI.   198
AITFDEDPVEYNGYLRWNSDFKKCTEFRTTNEEGSSCGTCLKVCPWNSKEDSWFHKAGVWVGSKGEAASTFLKSIDDIF   199
AITFDEDPVEYNGYLRWNSDFKKCTEFRTTNEEGSSCGTCLKVCPWNSKEDSWFHKAGVWVGSKGEAASTFLKSIDDI.   198
AISFDEDPIEYNGYLRWNSDFRKCTEFRTTNEEGSSCGTCMKVCPWNSKE...............................   140
AISFDEDPIEYNGYLRWNSDFRKCTEFRTTNEEGSSCGTCMKVCPWNSKE...............................   140
AISFDEDPIEYNGYLRWNSDFRKRTEFRTTNEEGSSCGTCMKVCPWNSKE...............................   140
```