Supplemental file 4

>c59837\_g2

MHIKFLLLFITVLFVTDVSAFNDALIVNLPNGRIRGRDNNHYYSYESIPYAEPPLGPLRFESPRPYTRNWTDTFDATREPIECMQWDQYKSGADKLHGVEDCLTVNVYKPKLPAVEVAENGMPVVVLIHGGAFMFGSVRANGHENFMRNGRVIVVKMGFRLGPLGFLSTEDAVISGNFGMKDQRLALQWIKANIARFGGDAERIMVLGFSSGGVAVHLHILAQRNFTEYAKVAASFSGVAFNPWAITHKTRERAFELAKHLNCSDVSSSQLIKECLQRKPAAAIVRGVRNFLVFGYNPFTTFGPSIEDAAVEDAFLTRSPQQIVESGDFAQIPWLVSYAAQDGAYNAAELLQRMPRREELIEVFNDRWYDLAPYNLFYKDTMHTVEQMDDYSVALKRRYLGEKEFSIDTYPSVQRMYTDVLFRNGVEQAIRLQRQHATSPIYAYVYDNPAEEGIGEALSHRKDIKMGTVHGDDFFLIFNRVGRTKIRADEQIISQKFLRMLENFAAKSDELSFGNCKFVDNVGKEEYQLMFITNDTCINKSILTLPSF\*

>c63994\_g3

MQQQQQQLQREHMQIKGMNTQTFGRIATSGGGSGGGGGAVTMTSNIAYNAGMMTLPKASALHHTNSVNYGRNPGVGGGGGGGNSGNSGGTNITAALLDSRGNLLLTSGAGVSMGDCMTLPRNLAASAARHGTVTDTQQQQQQYQQQQQVGGKHQPNGSVMTGVSAQQQHIRAPRPPIRTASSAPTS\*

>c65588\_g1

MVDINVPLTNLLQMAVKLVAHRIQQYQATTNETAIIPTKYGQVKGVKRKTIYNHHFYAFEGIPYAKPPLAELRFRAPQPPDPWTGVRNCTKLGNVPLQKHFVLGITQGSEDCLYLNVYAKELKSAKPLPVMVWIFGGGFRFGEATRDVYAPDYFMEREVVLVTFNYRLGALGFLSLADPDVQVPGNAGLKDQLFALRWIQENIASFNGDPNNVTIFGESAGAAATHLLMLTPKAQGLFHKAILQSGTALCPWTEQEPKNRAYFLAVELGYRGENIDKDVLSYLSNVSGSKLIQFYKDFRQPHEKDERVFFSFTPVVEPYESENGLLTKPFKDLLITTWSNDIPILLGFTADEGMLHYYETVKNPHLVNELGDCVAVLPKIVKKDCDVQNCTELGLRLKEAHFGKAEPHCSKHLYQYLELLTYRHFLVDIQRTLLARAAYASNVPTYLYRFAFDSPHYNHARTLHCGRSARGVCHADDLSYMFYNASAEKLPPTCGEFKTIQRMVGMWTAFAATGNPNCTEIEPIQWQPVEAQDVENAQPKCLNIDEELEIKYLPHKHLKTWISLFTNENIF\*

>c68050\_g1

MLQDKCAQHAIEARLFEVKRKNTTTTHARINENMTKCRAMHNTLNSTLSRSFSKAVKATCHLTNFSQLWSHSMLSVVASVLVVSVLMPHLTEASTLEIYKNARLGHRIVQTRYGRLHGLILPLDNFRFLRSVEVFLGVPYATPPTKQNRFSPTRAPAPWDGIRISDKYSPVCPQRLPNIQNETAALEKMPKGRLEYLKRLLPYLENQSEDCLYLNIFSPNNAGANEKKLPVIVFIHGESFEWSSGNPYDGSVLASYGEVVVVTLNYRLGILGFLNANPNPQAHARVANYGLMDQMAALHWIQQNIQKFGGDPNAVTLAGHGTGAACINFLMTSPTMVRGLFHRAILMSGSAYSSWALVEDPVSFAIKLAKEVNCSIPEDLNKHHEQIVDCLREVPLEDLYAADIQAPSFLTSFGPSVDGVVIRPGHSNFDIDDLMMRSAKRASADGGGNGNGFFGGGAYTGGPGGGGSSFGGGAGGASAGGGSANGGGNSAGGVYYSALTANYASMSSGANLGLGGNGAHYDVLFGVVTGESIWRFSAHDIQNGFEGERRDKIIRTYVRNAYNYHLNEIFYTIVNEYTDWDRTSQHPINTRDTAVAALSDAQFVAPIIRTGDQLAANSPPPISTSSSSSSGGGTSSASTAAGAQAGRCYFYVFDYQTKDGDYPQRMGTVHGEDLPYIFGAPLVDGFSHFPQNYTKSEIALSEAVIIFWTNFARTGNPNEHHRQDSVLPASKERNRFRSTIWENYDPLHQKYLEIGMKPRIKNHFRAHQLSIWLRLIPELHRAGMEDVITRHNLFKNHDDMNLYEGPVKPDPFASTRLLLIDDALLRKAGRGGNLTGSYISGVLGVTTVEPNMFTTCIPVGGNYTPGAGAATSGAFAPNTLANSSTDSLSSGFEAAGYAAYSTALSVTIAIGCSLLILNVLIFAGVYYQRDKTRLEVKTLQKQYQQRSMHQQVPYPPDPIKHAHYHMGHSQSANVIVDVENHGGDPGAMLLAAAAAAANAADVKPPPSHICANTGMQMGASVQQQQAGGSSIDLCGIASSAAKQQQQQQQ\*

