>Human

MLHLKVQFLDDSQKIFVVDQKSSGKALFNLSCSHLNLAEKEYFGLEFCSHSGNNVWLELLKPITKQVKNPKEIVFKFMVKFFPVDPGHLREELTRYLFTLQIKKDLALGRLPCSDNCTALMVSHILQSELGDFHEETDRKHLAQTRYLPNQDCLEGKIMHFHQKHIGRSPAESDILLLDIARKLDMYGIRPHPASDGEGMQIHLAVAHMGVLVLRGNTKINTFNWAKIRKLSFKRKHFLIKLHANILVLCKDTLEFTMASRDACKAFWKTCVEYHAFFRLSEEPKSKPKTLLCSKGSSFRYSGRTQRQLLEYGRKGRLKSLPFERKHYPSQYHERQCRSSPDLLSDVSKQVEDLRLAYGGGYYQNVNGVHASEPVLESRRRNSALEVTFATELEHSKPEADPTLLHQSQSSSSFPFIYMDPVFNTEPNPNPDPRDIFSERSSLSSFQTSCKFSGNHMSIYSGLTSKVRPAKQLTYTDVPYIPCTGQQVGIMPPQVFFYVDKPPQVPRWSPIRAEERTSPHSYVEPTAMKPAERSPRNIRMKSFQQDLQVLQEAIARTSGRSNINVGLEEEDPNLEDAFVCNIQEQTPKRSQSQSDMKTIRFPFGSEFRPLGPCPALSHKADLFTDMFAEQELPAVLMDQSTAERYVASESSDSESEILKPDYYALYGKEIRSPMARIRLSSGSLQLDEEDEDAYFNTPTAEDRTSLKPCNYFLA

>Dog

MKACTLRQNQDLTYYATRSTSLANFKVHYGGLKGNTSPQMGVESPSHPGLNFPITVLPATATLGFSHGGGCRSAPAARLKEMFLKDLQSSSSPTSLQKSSGKALFNLSCGHLNLAEKEYFGLEFCSHSGNNVWLELLKPITKQVKNPKDVVFEFMVKFFPVDPGHLREELTRYLFTLQIKKDLALGRLPCSENCTALMVSHILQSELGDFHEETAKKHLAQTRYLPNQDCLESKIMQFHQKHTGRSPAESDILLLDIARKLDMYGIRPHPASDGEGMQIHLAVAHMGVLVLRGNTKINTFNWAKIRKLSFKRKHFLIKLHANILVLCKDTLEFTMASRDACKAFWKTCVEYHAFFRLSEEPKSKPKTLLCSKGSSFRYSGRTQRQLLEYGKKGRLRSLPFERKHYPSQYHERQCRSSPDLLSDVSKQVEDLRLAYGGGYYRNVNGVHASEPVLDSRRRNSAVEVTFAAELECSKPEVDPTLLHQSQSSSSFPFIYTDPVFSTDPDPRDYFGERSPLSSFQPSSKFADNLMSTSSGLASKVSPARQLTYTDVPYIPCTGQQVDIMPPQVFFYVDRPPQVPRRSPIMAEENDRPDSCLESTIMKPAKRSPRNVRMKSFQQDFQELQEAMARTTGRSNINVDLEVEEPNSEGAFAYSIQEQTPKRSQSQSDMKTIRFPFGSEYRPLGPCPTLSRKADLFTYMFAEQGFPTVLTDQGAAERYIGSESSDSESEILKPDYYSLYGKGTRSPMARIRLSSGSLQLDEEDEGVSFNTPTAEDRTLLKPCNYFVA

>Cattle

MLHLKVQFLDDSQKIFVVDQKSSGKALFNLSCSHLNLAEKEYFGLEFCSHSGNNVWLELLKPITKQVKMDPGHLREELTRYLFTLQIKKDLALGRLPCSDNCTALMVSHILQSELGDFHEETDRKHLAQTRYLPNQDDLESKIVHFHQKHIGRSPAESDILLLDIARKLDMYGIRPHPASDGEGMQIHLAVAHMGVLVLRGNTKINTFNWAKIRKLSFKRKHFLIKLHANILVLCKDTLEFTMASRDACKAFWKTCVEYHAFFRLSEEPKSKPKTLLCSKGSSFRYSGRTQRQLLEYGKKGRLKSLPFERKHYPSQYHERQCRSSPDLLSDVSKQVEDLRLGYGSGYYRTVNGVHASEPVLDGRRRNSAVEVTFAAELEHSKPEADPTSLHQSQSSSSFPFIYTDPVFITDPDPDTDPRDYFEERGPLSSFQTSSKFADNPMSTSSGLTSKVSPARQLTYTDVPYIPCTGQQVDIMPPQVFFYVDRPPQVPRRSPIMAEERERPDSCLQSTAVKSAKRSPRNIRMKSFQQDFQELQEAMARTTGRSNVNVDLEEQDPTIEDTFAYNIQEPTPKRSQSQSDMKTIRFPFGSEFRPLGPCPALSRKADLLTYMFAEQEFPTVLMDQGATERYVPSESSDSESEILKPDYYSLYDKGIRSPMARIRLSSGSLQLDEEDEDVSFNTSTAEDRTLQKPCNYFLA

>Brown\_Rat

MQLERQAGRQKSSGKALFNLSCSHLNLAEKEYFGLEFCSHSGHNVWLELLKPITKQVKNPKEVVFKFIVKFFPVDPGHLREELTRYLFTLQIKKDLALGRLPCSDNCTALMVSHILQSELGDFHEEMVRKHLVQTQYLPSQACLESKIMQFHQQHIGRSPAESDILLLDIARKLDMYGIRPQPASDGEGMQIHLAVAHMGVLVLRGNTKINTFNWAKIRKLSFKRKHFLIKLHANILVLCKDTLEFTMASRDACKAFWKTCVEYHAFFRLSEEPKSKPKTLLCSKGSSFRYSGRTQRQLLEYGKKGRLKSLPFERKQYPSQYHERQCRSSPDILSDVSKQVEDLRLTYGSSYYRNVNGVHASEPMLDGRRRNSAVEVTFAAELEHSKPEAEAASLHPSQSSSSFTFIYADPVFNTDPEPIDFFEERSPLSSFQTNSKFVDGHTSKVSPARQLTYTDVPYIPCTSQKVDIMPPQVFFYVDKPPQVPRRSLMMAEESMRPDSYVDPSAIKPAKRSPRNMRIKSLQQDLQELQEAMARTSGRSNINVEPEEEDPHLDDAFAYNLQEQTPKRSQSQSDMKTIRFPFGSEFRPLGPCPALTRKTDLFTCTFAEQEFPTVLMDQSSAERYVASESSDSESEILKTDYYSLYGKGTKSPRARIRLSSGSLQLEEEDEAISFGTPGAEDRTLLKPCNYFLA

>Chicken

MLHLKVQFLDDSQKIFVVDQKSCGKGLFNLTCSHLNLAEKEYFGLEFCSQAGNHVWLEPLKPITKQIKNPKEVLFKFMVKFFPVDPGHLREELTRYLFTLQIKKDLALARLPCSDKSAALLVSHLLQSELGDFHEETDQQHLATHRYLPNQEYLDNKIMHYHRRHRGKTPAESDAQLLDVARKLEMYGIRPHPASDGEGTQINLAVTHMGVLVLRGNTKINTFNWSKIRKLSFKRKHFLIKLHANVAALCKDTLEFTMASRDACKAFWKTCVEYHAFFRLSEEPKSKPKALLCSKGSSFRYSGRTQRQLLEHGRKAKMKSLPFERKHYASHYDERQCRSSPDLLTDVSKQVEELRLAYGSCGSFRTASGVHTSEPTLDSRHSGSATAMMFAAELERFKPEVAPTFLPHSKSSSAFPLLYAQLELERAWEPTDSFSSRNPLTSFRPHHKFTGSSRSPSVGNMREVSARPLVYMDVPLPPTPAPQVFFYVDRPPPPPCHVPSEEEGGAAGGCIPTATKTAMWGPSSTWMGELQHEASHRAAGTSVGPEGERRQGARSFDYGLQEQPPKRSWSQSDMKAIRFPYSSEFRPLGPCPALSSRKAGMLQHVLAQQGAAPGLRRAAERYVGSSTESSDSDSDLLAADYCSLYGRVLRAPRARVRLSSGSLQLEEEEDEEVSSAALVAEERTSRGPSRYFT

>C. elegans

MSNIPRGVGAPPPPGMNSSKRGRLVCIKVRMLDDTVAVFHLGHKAIGQTLLDEVCRHLNLLECDYFGLSFIDINGNHCWLDREKTILRQITNGSTDAKFYFVVKFYTPNPIDLEEEYTRYLFTMQIKRDLALGELHCSDNTASLLSAYLVQSECGDFSSEDYPDATYLSHTRFVPNQTLEFQKKVMDNHRNFIGMTPGESDLAMLEVARRCDFYGVKLHAAKDIDGNDAALSVMHLGIKVFRQLQLDTTFSWARIRKLSFKRKKLLVKLHPDSYQYLKETVEFSFETRDECKNFWKKCVEHHAFFRCVQAEEPKKETRFFISKGSSFRYHGRTQKQLIDYVREHHKRREPFTRPLRSAASTRKGTYSSTYGLVTDRPTKHRNGSVYEPNQTDPYNKHQNTHSSMPHIAHISSQPADHSFSGTLDARVGKSVTRDPSTSVTQHRLRQLKRSERCISDVDTVERPQRSSCRPVSHAINISSTSSKEQPDLSVSLPNVLSDDLQMVCKEIEIEQNDPPKSVSGDNFQQRRSSRDYDNVSEDSYRLSDHERSTRSEVGVGSKFAAATIFNSTFVARKPGSNVVKRVVAHTKSTPNSTDDEEGALKSASEYQTFRHIKEYPFARNANIVPIEIDGPNVDLSARRSPAATTTTTRTYANTTTTVTTTSKVLTSSGAVLMKPKVISNDHEPSSGTHSSRVSPESGTYGALGPLPGRVITKENMMITPEGFKEKKAKPNPPPKPSFPVQAVHSETEVVREIKTERASSHPLVHMQEEIPFSRAPLKFEDKKERKSSLSRPALISVQSEDNPDVQKCHLFNSDIPYTLTMRNVENTQSLPYSSFKDVSTAKKQGYESNSLKRVSKSPEFKRRKSLDLVPRKRLPSPGNFSAQDHTISPTTPDSDVLEYLLRRRSLLGDKSVIKTKSKRTDPRRQTQPVRFDLPPSPCSPTAGGSTPFISILNDDLFDECVSESRSLHEDMDRLDKTTPHNQSISSFMSQKSRRDSEDSDVMPPPPEEILNKAMISSSRPAPPPPPPKSLAAAVKVAEMKAAAAGKIYYSGSSRTGKITDSPPFIDDSPKNSSASDAPSVPSPQKNCFSDF

>Drosophila

MSLADMGTASRSAGGEGGRHYDLATGGAGSGGHPVGGGLPGGRMTHSLSTPSGVDGTPSTPRHRGGKKLTVRIQMLDDSITMFQVQAKALGRVLFEQVCRQLNLLEADYFGLEYQEVSTHTKYWLDLEKPMNRQVGLSLIDPVLRFCIKFYTPDPAQLEEEYTRYLFCLQIKRDLATGSLQCNDNTAALMASYIVQASCGDFVPEDYPDHTYLSSYRFVPNQDATMQRKIMENHKKHVGQSPAEADLNLLETARRCELYGMKMHPAKDVEGVPLNLAVAHMGITVFQNITRINTFSWAKIRKISFKRKRFLVKLHPEGYGYYKDTVEFFFEGRNECKNFWKKCVENHGFFRCTAVQNTPRRKTRVLSRGSSFRYSGKTQKQIIEFVRENYVKRQNFQRYKTNSS