>Tn7

MWQINEVVLFDNDPYRILAIEDGQVVWMQISADKGVPQARAELLLMQYLDEGRLVRTDDPYVHLDLEEPSVDSVSFQKREEDYRKILPIINSKDRFDPKVRSELVEHVVQEHKVTKATVYKLLRRYWQRGQTPNALIPDYKNSGAPGERRSATGTAKIGRAREYGKGEGTKVTPEIERLFRLTIEKHLLNQKGTKTTVAYRRFVDLFAQYFPRIPQEDYPTLRQFRYFYDREYPKAQRLKSRVKAGVYKKDVRPLSSTATSQALGPGSRYEIDATIADIYLVDHHDRQKIIGRPTLYIVIDVFSRMITGFYIGFENPSYVVAMQAFVNACSDKTAICAQHDIEISSSDWPCVGLPDVLLADRGELMSHQVEALVSSFNVRVESAPPRRGDAKGIVESTFRTLQAEFKSFAPGIVEGSRIKSHGETDYRLDASLSVFEFTQIILRTILFRNNHLVMDKYDRDADFPTDLPSIPVQLWQWGMQHRTGSLRAVEQEQLRVALLPRRKVSISSFGVNLWGLYYSGSEILREGWLQRSTDIARPQHLEAAYDPVLVDTIYLFPQVGSRVFWRCNLTERSRQFKGLSFWEVWDIQAQEKHNKANAKQDELTKRRELEAFIQQTIQKANKLTPSTTEPKSTRIKQIKTNKKEAVTSERKKRAEHLKPSSSGDEAKVIPFNAVEADDQEDYSLPTYVPELFQDPPEKDES

>Tn6726

MWQINEVVLFDNDPYRILAIEDGQVVWMQISADKGVPQARAELLLMQYLDEGRLVRTDDPYVHLDLEEPSVDSVSFQKREEDYRKILPIINSKDRFDPKVRSELVEHVVQEHKVTKATVYKLLRRYWQRGQTPNALIPDYKNSGAPGERRSATGTAKIGRAREYGKGEGTKVTPEIERLFRLTIEKHLLNQKGTKTTVAYRRFVDLFAQYFPRIPQEDYPTLRQFRYFYDREYPKAQRLKSRVKAGVYKKDVRPLSSTATSQALGPGSRYEIDATIADIYLVDHHDRQKIIGRPTLYIVIDVFSRMITGFYIGFENPSYVVAMQAFVNACSDKTAICAQHDIEISSSDWPCVGLPDVLLADRGELMSHQVEALVSSFNVRVESAPPRRSDAKGIVESTFRTLQAEFKSFAPGIVEGSRIKSHGETDYRLDASLSVFEFTQIILRTILFRNNHLVMDKYDRDADFPTDLPSIPVQLWQWGMQHRTGSLRAVEQEQLRVALLPRRKVSISSFGVNLWGLYYSGSEILREGWLQRSTDIARPQHLEAAYDPVLVDTIYLFPQVGSRVFWRCNLTERSRQFKGLSFWEVWDIQAQEKHNKANAKQDELTKRRELEAFIQQTIQKANKLTPSTTEPKSTRIKQIKTNKKEAVTSERKKRAEHLKPSSSGDEAKVIPFNAVEADDQEDYSLPTYVPELFQDPPEKDES

>Tn6411

VFRMGELRKRLLWSGTEQAVWIDIDLDTALPESISVAELERLIIEGELESIGDPFEETVLREVEAGSPDQLKRDEAWAMLADYMHDPQLFVRRPRGLIVGSIMQRHGVTKQTVYRLLRRYWQRGMCRNALLPDYVNSGARGKRRKPNRAKLGRPRVVMAGKGRNVTPDIERIFRRVIEERLLKEKHPSIPDAYASGLNLLRAVQPELPTSELPTLGQFRYFYGREYHFTDTLPRRMSAVDFAKDFRPLNSTSTTETLGPGYRYQIDATIADIYLVSEHDRSLIVGRPVVYMVLDVFSRMVVGMYVGFEGPSWVSAMVALANTVADKVEYCRQYGLEIDASDWPVKGLPDVILADKGELNGTKVEAFSQAFGVRIENAPARRGDAKGIVERYFRTVQERFKPYASGVVEDTTSRKRGGHDYRLDASLTLPEFTKIIIAGILHHNNFHTLSKYDRAAGMPGDLPAIPVMLWNWGLASLTGRLRTAPEELVWINLLPHESATVSELGIRLFGCFYSCPEAIREGWFHRGQGRRPTGVTVAYDPRSADHIYLRPSNSLKDYWVCDLADRSRRFRGMTFWDVWILSREERRSDVNAASKALAERGKLLEQIESIVAQAENASPLKTGISKKDLGTQIRENKQQEKRQERLKTAFKPEKAQRAKPAEVIPLRGEKQEDYAFPDLSDLIFKEEEDD

>Tn552

MKNKEKYLTNFSEAKRKEATQKYNIIKPFILGKQSLSSISKSKGIALSTLYRWNKLYKEQGLTGLIHNTRVDKGEHKLKQNIIDEIKRLALKNKRNSIATIHRKIANYCIENNFYKPSYKQVYSIIKAMPKSVIDFSHQGEKYYQNKYDLIQIRESSRPNEIWQADHTLLDIYILDQKGNINRPWLTIIMDDYSRAIAGYFISFDAPNAQNTALTLHQAIWNKNNTNWPVCGIPEKFYTDHGSDFTSHHMEQVAIDLKINLMFSKVGVPRGRGKIERFFQTVNQTFLEQLPGYINNNDTSSDLIDFQNFEEKLRYFLIEDYNQKEHSAIQSTPINRWNSNHFFPNMPSSLEQLDLLLLEIPKSRKIHSDGIHFQGFRYSNTNLTAYVGEYVLIRYNPNDMAEIRVFYRDEFLCTAISPDLADYSIDIKEIQHARSQRRKHLKQNIASPSTTDLIKEEKSYGYSPQETTKNVKKLKRYRND

>Tn5053

MTSDTPPIAAQGVATLPDEAWAQARHRTEIIGPLAALEVVGHEAADEAAQALGLSRRQVYVLIRRARQGTGLVTDLTPGRSGGGKGKGRLPEPVERIIRELLQKRFLTKQKRSLAAFHREVAQACKTQKLPVPARNTVAQRIAGLHPAKIARSRGGQDAARPLQGAGGIPPEVTMPLEQVQIDHTVIDLIVVDERDRQPIGRPYLTLAIDVFTRCVLGMVVTLEAPSAVSVGLCLAHAACDKRPWLEGLSVEMDWPMSGKPRLLYLDNAAEFKSEALRRGCEQHGIRLDYRPPGQPHYGGIVERIIGTAMQMIHDELPGTTFSNPGQRGEYDSEKMATLTLRELERWLALAVGTYHGSVHNGLLQPPAARWAEAVERVGVPAVVTRPTAFLVDFLPVIRRTLTRTGFVIDHIHYYADALKPWIARRERLPAFLIRRDPRDISRIWVLEPEGQHYLEIHYRTLSHPAVTLWEQRQALAKLRQLGREQVDESALFRMIGQMREIVTTAQKATRKARRDADRRQHLKTSEPPAKPIPPNVDMADPQADNLPPAKPFDQIEEW.

>Tn402=Tn5090

MATDTPRIPEQGVATLPDEAWERARRRAEIISPLAQSETVGHEAADMAAQALGLSRRQVYVLIRRARQGSGLVTDLVPGQSGGGKGKGRLPEPVERVIHELLQKRFLTKQKRSLAAFHREVTQVCKAQKLRVPARNTVALRIASLDPRKVIRRREGQDAARDLQGVGGEPPAVTAPLEQVQIDHTVIDLIVVDDRDRQPIGRPYLTLAIDVFTRCVLGMVVTLEAPSAVSVGLCLVHVACDKRPWLEGLNVEMDWQMSGKPLLLYLDNAAEFKSEALRRGCEQHGIRLDYRPLGQPHYGGIVERIIGTAMQMIHDELPGTTFSNPDQRGDYDSENKAALTLRELERWLTLAVGTYHGSVHNGLLQPPAARWAEAVARVGVPAVVTRATSFLVDFLPILRRTLTRTGFVIDHIHYYADALKPWIARRERWPSFLIRRDPRDISRIWVLEPEGQHYLEIPYRTLSHPAVTLWEQRQALAKLRQQGREQVDESALFRMIGQMREIVTSAQKATRKARRDADRRQHLKTSARPDKPVPPDTDIADPQADNLPPAKPFDQIEEW.

>Tn512

MASDTSLIAEQGVATLPDAAWAQARQRAEIIGPLAALDVVGHEAADAAAHALGLSRRQVYVLIRRARQGAGLVTDLARSRSGGGKGKGRLPESVERIIRELLQKRFLTKQKRSLAAFHREVAQACKAQKLRAPARNTVALRIAGLDPLKATRRREGQDASRSLQGVGGEPPAVTAPLEQVQIDHTVIDLIVVDERDRQPIGRPYLTIAIDVFTRCVLGMVVTLEAPSSVSVGLCLVHVACDKRPWLEGLNIEMEWPMSGKPRLLYLDNAAEFKSEALRRGCEQHGIRLDYRPLGQPHYGGIVERIIGTAMQMIHDELPGTTFSNPDQRGDYDSENKAALTLRELERWLTLAVGTYHGSVHNGLLQPPAARWAEAIARTGVPTVITRTTAFLVDFLPIIRRTLTRTGFVIDHIHYYADALKPWIARRDRLPAFLIRRDPRDISRIWVLEPEGQHYLEIPYRTLSHPAVTLWEQRQALAKLRQQGREQVDESALFRMIGQMREIVSTAQKATRKARRDADRRQHLKATAVLFKTTPPPDADMADPQADNQPPAKPFDQIEEW

>Tn5058a

MASDTSLIAEQGVATLPDAAWAQARQRAEIIGPLAALDVVGHEAADAAAHALGLSRRQVYVLIRRARQGAGLVTDLARSRSGGGKGKGRLPESVERIIRELLQKRFLTKQKRSLAAFHREVAQACKAQKLRAPARNTVALRIAGLDPLKATRRREGQDASRSLQGVGGEPPAVTAPLEQVQIDHTVIDLIVVDERDRQPIGRPYLTIAIDVFTRCVLGMVVTLEAPSSVSVGLCLVHVACDKRPWLEGLKIEMEWPMSGKPRLLYLDNAAEFKSEALRRGCEQHGIRLDYRPLGQPHYGGIVERIIGTAMQMIHDELPGTTFSNPDQRGDYDSENKAALTLRELERWLTLAVGTYHGSVHNGLLQPPAARWAEAIARTGVPTVITRTTAFLVDFLPIIRRTLTRTGFVIDHIHYYADALKPWIARRDRLPAFLIRRDPRDISRIWVLEPEGQHYLEIPYRTLSHPAVTLWEQRQALAKLRQQGREQVDESALFRMIGQMREIVSTAQKATRKARRDADRRQHLKATAVLFKTTPPPDADMADPQADNQPPAKPFDQIEEW

>Tn6022

MIESNAVNIDRSRIILKPNVVVGYEGQPYKIVNVLNANDIVISSLDSVRSLQVNARSLTIFNGGNTLTERLNKGDQDISNEAWQIALQRYEIIKPLIEYSTTELVENRANEYDVNRSTLWKWLKDYRENNSLMALIPKKRGWTTEKSRLSPQVSNIIKQAINDEYLNAKKPSISKTIEIVKAECSRLQLEAPHENSIRRRIEALNDYQVTKARLGSKAAIDKFKAAAGSFPNADYPLAYVQIDHTPLDIEIVDDEFREAIGKPHLTLAIDVFSRMIVGYYLSLEAPSTTSVAMCIASCILSKKRKLIELDIDAEWQVEGIMDSVHTDNGPDFRTNHISKACLKYGIHWEYRPIGGARFGGHIERMLGIVNLEMHVLDGTTFSNVQQRGTYDSAKQACMTLKELEYYIVYWITKVYHQKKHSALGTSPIVKWEEGVWGTKTTAGTGLKERVSDEDTLFIDFLPEFEATIQRTGVQKDNLFYFADCLRQWVNSIDPEDNNRKRKRKFLFKRDPRDISQIWFYEPYSNTYFKVPTAKREIPPISLFEYKQVQNYLKSERQDVQNQDEIYKAILHLRDQLNQARSLTRKQRRSNQRKKENAKAITQLSEQNQSKKAVVSESLQTSDDLWSTPLTAFDDLR

>Tn6509

MIESNAVNIDRSRIILKPNVVVGYEGQPYKIVNVLNANDIVISSLDSVRSLQVNARSLTVFNGENTLTESLNKGDQDISNEAWQIALQRYEIIKPLIEYSTTELVENRANEYDVNRSTLWKWLKDYRENNSLMALIPKKRGWTTEKSRLSPQVSNIIKQAINDEYLNAKKPSISKTIEIVKAECSRLQLEAPHENSIRRRIEALNDYQVTKARLGSKAAIDKFKAAAGSFPNADYPLAYVQIDHTPLDIEIVDDEFREAIGKPHLTLAIDVFSRMIVGYYLSLEAPSTTSVAMCIASCILSKKRKLIELDIDAEWQVEGIMDSVHTDNGPDFRTNHISKACLKYGIHWEYRPIGGARFGGHIERMLGIVNLEMHVLDGTTFSNVQQRGTYDSAKQACMTLKELEYYIVYWITKVYHQKKHSALGTSPIVKWEEGVWGTKTTAGTGLKERVSDEDTLFIDFLPEFEATIQRTGVQKDNLFYFADCLRQWVNSIDPEDNNRKRKRKFLFKRDPRDISQIWFYEPFSNTYFKVPTAKREIPPISLFEYKQVQNYLKSERQDVQNQDEIYMAILHLREQLNQARSLTRKQRRSNQRKKENEKAITQLSEQNQSKKAVVSESLQTSDDLWNTPLTAFDDLR

>Tn6519

MIESNAVNIDRSRIILKPNVVVGYEGQPYKIVNVLNANDIVISSLDSVRSLQVNARSLTIFNGGNTLTERLNKGDQDISNEAWQIALQRYEIIKPLIEYSTTELVENRANEYDVNRSTLWKWLKDYRENNSLMALIPKKRGWTTEKSRLSPQVSNIIKQAINDEYLNAKKPSISKTIEIVKAECSRLQLEAPHENSIRRRIEALNDYQVTKARLGSKAAIDKFKAAAGSFPNADYPLAYVQIDHTPLDIEIVDDEFREAIGKPHLTLAIDVFSRMIVGYYLSLEAPSTTSVAMCIASCILSKKRKLIELDIDAEWQVEGIMDSVHTDNGPDFRTNHISKACLKYGIHWEYRPIGGARFGGHIERMLGIVNLEMHVLDGTTFSNVQQRGTYDSAKQACMTLKELEYYIVYWITKVYHQKKHSALGTSPIVKWEEGVWGTKTTAGTGLKERVSDEDTLFIDFLPEFEATIQRTGVQKDNLFYFADCLRQWVNSIDPEDNNRKRKRKFLFKRDPRDISQIWFYEPYSNTYFKVPTAKREIPPISLFEYKQVQNYLKSERQDVQNQDEIYKAILHLRDQLNQARSLTRKQRRSNQRKKENAKAITQLSEQNQSKKAVVSESLQTSDDLWSTPLTAFDDLR

>Tn6230

MDIIRNSVWLSQGTDLLAEGLYRVLDFDRKVDLLILFKIKSERTGKPIPFSFSMFKYYIESNSITCKDYIYPSYMLVDEKELTDKDRGRRDENYNIIKDLVDDRMFLFDYALHKKSHLLMDYSRNKKISQYTIRTLLALYWRHGQDIYALLPAFSNCGAAGKSRIKHEIKLGNSKKNRALPNERSRVFILNERDINNIRKSLITYHYKVNGDTIKKTLERHIDLYFRDEIKTANLENRAPYVPSLKQFSYWNKKLFTKDFSINKKNTKKEIDLKMRALLGSVANTTVLPGDVFEIDSTVADVHLISSLNRRKVIGRPTIYTVVDRATRMIVGLHVSLYHASWRAARQALANCFMPKKEYCRLFGISITDDDWPCSHIPLTLMCDNGEMIGLKPQEEMTPLTKLEFAPVGRGDRKSIVERCFGILNDEVIHRLIGTTRRGKIVKGEPTPQSRACLTIQEVTSLLIREILAHNQRTYEELAYINPLLIENDLVISPKNSWMISLKHGRFSARAVGADEVIARLLIPVNANITAGGIQYNNLFYECDPEIASGVRVFGRTTCEARIDDNCVDYIYVRFDKNSIFKKHYLLKKRDVFKGKAHLDTDVMADWVDTQKEINLFTLDSLSNINNKDEFNRKGNERLNEIYESRRVHGKDIKKNRKNELDSLGRTHVANGRSEPLLPSSSNVLLLPGREEKQRWLKGKKKTEDAE

>Tn6725

MDIIRNSVWLSQGTDLLAEGLYRVLDFDKKVDLLILFKIKSERTGKPIPFSFSLFKYYIESNSITCKDYIYPSYMLVDEKEITDEDRGRRDENYNIIKDLVDDRMFLFDYALHKKSHLLMDYSRNKKISQYTIRTLLALYWRHGQDVYALLPAFSNCGAAGKSRIKHEIKLGNSKKNRALPNERSRVFILNERDINNIRKSLIMYHYKVNGDTIKKTLERHIDLYFRDEIKTANLENRAPYVPSLKQFSYWNKKLFTKDFSIKKKNTKKEIDLKMRALLGSAANTTVLPGDVFEIDSTVADVHLISSLNRRKVIGRPTIYTVVDRATRMIVGLHVSLYHASWRAARQALANCFMPKKEYCRLFGISITNDDWPCSHIPLTLMCDNGEMIGLKPQEKMTPLTKLEFAPVGRGDRKSIVERCFGILNDEVIHRLIGTTRRGKIVKGEPTPQSRACLTIQEVTSLLIREILAHNQRTYEELAYINPLLIENDLVISPKNSWMISLKHGRFSARAVGADEVIARLLIPVNANITAGGIQYNNLFYECDPDIASGARVFGRTTCEARIDDNCVDYIYVRFDKNSIFKKHYLLKKRDIFKGKAHLDTDVMADWVDTQKEINLFTLNSLSNINNKDDFNKKGNERLNEIYESRRVHGKDIKKNRKNELDSLGRTDVANGRPEPLLPSSSKVLLLPGREEKQRWLKGKKKTEDAE