>Am\_88D3

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>At\_71B1

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>At\_71B6

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>At\_71C1

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>At\_71C2

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>At\_71C4

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>At\_71D1

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>At\_88A1

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>Bm\_88D9

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>Ct\_71E5

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>Dc\_71F5

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>Fe\_71U1

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>Fe\_72AC1

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>Fe\_72B19

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>Fe\_88J1

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>Fi\_88A10

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>Gj\_71A23

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>Gj\_88F6

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>Gm\_88E3

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>Lc\_71A12

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>Lc\_72B10

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>Lj\_72AG1

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>Lj\_72L6

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>Lj\_72V3

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>Lj\_72Z2

MAKTIHIAAVSIPAFSHQASIIEFCKKLLHLHHHYHVTCIFPTIDAPVAATLKLLQSLPSTIDFKFLPPVNKQDLPQDVSPAVQIQLAVSQSMPSFRDTMRSLHSTTPHLTALIADPFANEALEIGKEFNLLSYIYFPPSAMTLSLFLHLPKLHEEVSCEYRDLTEPIQIPGCIPIQGQDLPEHFQDRSSLAYDLILKRCKRFSLADGFLVNSFLELEEGTVKALQEQNRGNRGENRGNRGKNRGNRDSPVFLVGPVIQTGPSSEPKGSESEYCVRWLENQIPKSVLYVSFGSGGTLSQEQMNELAFGLELSGQKFLWVVRAPSDSANAAYLGVGNEDPLKFLPSGFIERTKGQGLVIPSWAPQTQILSHSSIGGFLTHCGWNSVLESIVLGVPMITWPLFAEQRMNAVLLTDGVKVALRPKFDENGIVKREEIAVVVKGLMQGEEGNGIHHRIEVLKEAAADALKEDGSSTRALSQFGNQIENFLALK

>Lu\_71M1

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>Lu\_71P1

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>Lu\_71Q2

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>Lu\_72M2

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>Lu\_72Q1

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>Lu\_88G1

MAVDTIVLYPSPGRGHIVSTVEFGKLLLRHYPAVTITVFVIPLPFESSSTDSYLHEVSTSVPSITFLTLPLLSPPAAPGGGGNSTTAIPTLLYQLPLLQNSNFRHLITDLSKSMKIKALVIDFFCNAAVSVADDIKIPCYFYFTSCLYGLAIFLYFPVIHESSEVSLKDVPDSLVPIPGLQSIPSEDIPPAMADRGGRAYSGFISTAYNMVKSAGIIVNTFELLEGNAFRAISEGRCTPGKSPPPIYCIGPIVEEKDKNGKDACLTWLDSQPKGSVVFLCFGSMGVFSRGQITEIAIGLERSGARFLWVVKNPAPGDETGGTMSSMEEPDLDSILPDGYMVRTKERGLVVKSWAPQVQVLNHESVGGFVTHCGWNSVLESLCAGVPMLGWPIYAEQKLNRHFLVQEMGVLLKLTETEDGRGMVSAGELEKGVVELMSPESEKGKAVRERVAAMQEGAAAAMSDGGSSRVAISKLVDAFKRE

>Mt\_72L1

MNLASNFMDKTIHIAVVPGVGYGHLVPILHFSKLLIQLHPDIHVTCIIPTLGSPPSSSETILQTLPSNIDYMFLPEVQPSDLPQGLPMEIQIQLTVTNSLPYLHEALKSLALRIPLVALVVDAFAVEALNFAKEFNMLSYIYFCAAASTLAWSFYLPKLDEETTCEYRDLPEPIKVPGCVPLHGRDLLTIVQDRSSQAYKYFLQHVKSLSFADGVLVNSFLEMEMGPINALTEEGSGNPSVYPVGPIIQTVTGSVDDANGLECLSWLDKQQSCSVLYVSFGSGGTLSHEQIVELALGLELSNQKFLWVVRAPSSSSSNAAYLSAQNDVDALQFLPSGFLERTKEEGFVITSWAPQIQILSHSSVGGFLSHCGWSSTLESVVHGVPLITWPMFAEQGMNAVLVTEGLKVGLRPRVNENGIVERVEVAKVIKRLMEGEECEKLHNNMKELKEVASNALKEDGSSTKTISQLTLKWRNLVQKNQI

>Mt\_88E1

MKDTIVLYPAFGSGHLMSMVELGKLILTHHPSFSIKILILTPPNQDTNTINVSTSQYISSVSNKFPSINFHYIPSISFTFTLPPHLQTLELSPRSNHHVHHILQSIAKTSNLKAVMLDFLNYSASQVTNNLEIPTYFYYTSGASLLCLFLNFPTFHKNATIPIKDYNMHTPIELPGLPRLSKEDYPDEGKDPSSPSYQVLLQSAKSLRESDGIIVNTFDAIEKKAIKALRNGLCVPDGTTPLLFCIGPVVSTSCEEDKSGCLSWLDSQPGQSVVLLSFGSLGRFSKAQINQIAIGLEKSEQRFLWIVRSDMESEELSLDELLPEGFLERTKEKGMVVRNWAPQGSILRHSSVGGFVTHCGWNSVLEAICEGVPMITWPLYAEQKMNRLILVQEWKVALELNESKDGFVSENELGERVKELMESEKGKEVRETILKMKISAKEARGGGGSSLVDLKKLGDSWREHASWTSVSPNSPFLFA

>Nt\_71A6

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>Os\_72F1

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>Os\_72H3

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>Os\_72J1

MAIESAPARNERRGQHVVLLASPGAGHLLPVAELARRIVEYDGFTATIVTHTNFSSAEHSSTFSSLPPSISIAALPEVSVDDLPADARVETRILTVVRRALPHLRDLLRSLLDSPAGVAVFLSDLLSPRALAVAAELGIPRYVFCTSNLMCLTSFLHNPVLDRTTTCEFRDLPGPVLLPGCVPLHGSDLVDPVQDRANPVYRLVIEMGLDYLRADGFLVNTFDAMEHDTAVAFKELSDKGVYPPAYAVGPFVRSPSGKAANDACIRWLDDQPDGSVLYVCLGSGGTLSTEQTAEVAAGLEASGQRFLWVVRYPSDKDKTASYFSVSGDGDGEDSPTNYLPEGFLERTKGTGLAVPMWAPQVEILNHRAVGGFVSHCGWNSTLETVAAGVPMVAWPLYAEQRMNAVMLSSSRAGLALRPSNAREDGVVTRDEVAAVARELITGEKGAAARRKARELREAAAKATRAPGGPSRQAFEAVVGGAWKKAAAAARGGRAGEPDDNGTAVTAQ

>Os\_88C1

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>Pf\_88D7

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>Rc\_GT1

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>Sl\_GT5

MAQIPHIAILPSPGMGHLIPLVEFAKRIFLHHHFSVSLILPTDGPISNAQKIFLNSLPSSMDYHLLPPVNFDDLPEDVKIETRISLTVSRSLTSLRQVLESIIESKKTVALVVDLFGTDAFDVAIDLKISPYIFFPSTAMGLSLFLHLPNLDETVSCEYRDLPDPIQIPGCTPIHGKDLLDPVQDRNDESYKWLLHHAKRYGMAEGIIVNSFKELEGGAIGALQKDEPGKPTVYPVGPLIQMDSGSKVDGSECMTWLDEQPRGSVLYISYGSGGTLSHEQLIEVAAGLEMSEQRFLWVVRCPNDKIANATFFNVQDSTNPLEFLPKGFLERTKGFGLVLPNWAPQARILSHESTGGFLTHCGWNSTLESVVHGVPLIAWPLYAEQKMNAVMLSEDIKVALRPKVNEENGIVGRLEIAKVVKGLMEGEEGKGVRSRMRDLKDAAAKVLSEDGSSTKALAELATKLRKKCQMIDVANH

>Sr\_71E1

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>Sr\_88B1

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>Vv\_88A12

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>Zm\_11344

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>Zm\_15991

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>Zm\_43295

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>Zm\_51683

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>Zm\_56026

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>Zm\_58314

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>Zm\_60993

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>Zm\_62783

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>Zm\_63550

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>Zm\_71B1

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>Zm\_72068

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>Zm\_85854

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>At\_72E2

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>At\_72B1

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>Mt\_78G1

MSTFKNEMNGNNLLHVAVLAFPFGTHAAPLLSLVKKIATEAPKVTFSFFCTTTTNDTLFSRSNEFLPNIKYYNVHDGLPKGYVSSGNPREPIFLFIKAMQENFKHVIDEAVAETGKNITCLVTDAFFWFGADLAEEMHAKWVPLWTAGPHSLLTHVYTDLIREKTGSKEVHDVKSIDVLPGFPELKASDLPEGVIKDIDVPFATMLHKMGLELPRANAVAINSFATIHPLIENELNSKFKLLLNVGPFNLTTPQRKVSDEHGCLEWLDQHENSSVVYISFGSVVTPPPHELTALAESLEECGFPFIWSFRGDPKEKLPKGFLERTKTKGKIVAWAPQVEILKHSSVGVFLTHSGWNSVLECIVGGVPMISRPFFGDQGLNTILTESVLEIGVGVDNGVLTKESIKKALELTMSSEKGGIMRQKIVKLKESAFKAVEQNGTSAMDFTTLIQIVTS

>MT\_71G1

MSMSDINKNSELIFIPAPGIGHLASALEFAKLLTNHDKNLYITVFCIKFPGMPFADSYIKSVLASQPQIQLIDLPEVEPPPQELLKSPEFYILTFLESLIPHVKATIKTILSNKVVGLVLDFFCVSMIDVGNEFGIPSYLFLTSNVGFLSLMLSLKNRQIEEVFDDSDRDHQLLNIPGISNQVPSNVLPDACFNKDGGYIAYYKLAERFRDTKGIIVNTFSDLEQSSIDALYDHDEKIPPIYAVGPLLDLKGQPNPKLDQAQHDLILKWLDEQPDKSVVFLCFGSMGVSFGPSQIREIALGLKHSGVRFLWSNSAEKKVFPEGFLEWMELEGKGMICGWAPQVEVLAHKAIGGFVSHCGWNSILESMWFGVPILTWPIYAEQQLNAFRLVKEWGVGLGLRVDYRKGSDVVAAEEIEKGLKDLMDKDSIVHKKVQEMKEMSRNAVVDGGSSLISVGKLIDDITGSN

>Pt\_UGT1

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>Nt\_UGT1

MAETAIVTKSENPHIVILPSPGMGHLIPLVEFSKRLISQHQFSVTLILPTDGPISNSQKSFLNSLPSCMDYHLLPPVNFDDLPLDVKIETRISLTVTRSLSSLREVFKTLVDSKKVVAFVVDLFGTDAFDVAIDFNVSPYIFFPSTAMALSLFLYLPKLDATVSCEYRDLPDPIQIPGCIPIHGKDLLDPVQDRKNEAYRWLLHHSKRYRMAEGVVSNSFKELEGGPIKALQEEEPGKPPVYPVGPLIQMDSGSKVDGSGCLTWLDEQPRGSVLYVSYGSGGTLSHEQLIEVASGLEMSEQRFLWVIRCPNDTVANATYFNVQDSTNPLDFLPKGFLERTKGLGLVVPNWAPQAQILSHGSTGGFLTHCGWNSTLESVVHGVPLIAWPLYAEQKMNAVMLTEDIKVALRPKANENGLVGRLEIAKVVKGLMEGEEGKGVRTRMRDLKDAAAKVLSQDGSSTKALAELATKLKNKVLIN