## Lexicon Genetics Incorporated - Genentech Project Materials

| Genentech ID: | UNQ3010 | Date of Submission: | 11.3 .05 |
| :--- | :--- | :--- | :--- |
| Lexicon Contract Name: | DNA411 | Mutation Type: | X Standard Knock out |
| LexVision Name: | MEM645N1 |  | $\square$ Conditional |
| Reference accessions: | NM_019576 | Is this gene X-linked? | NO |

Required Materials:pKOS clone DNA(s) __pKOS-75
$\square$ Target Vector DNA _pKOS-75TVneo Targeted ES Cell DNA _1B B1Genomic Map

## Southern Blot Analysis:

External/Internal Probe Strategies

|  | 5' Internal | 3' External |
| :--- | :---: | :---: |
| Name of Probe: | $\mathbf{1 / 2}$ | $5 / 6$ |
| Restriction Enzyme for Genomic Digest: | KpnI | XmnI |
| Predicted Wild-type Band (kb): | 29.2 | 8.1 |
| Predicted Mutant Band (kb): | $\mathbf{8 . 9}$ | 11.2 |
| Probe Size (bp): | 470 | 385 |

## PCR Strategies:

For standard knockouts, give wildtype and mutant-specific strategies
For conditionals, give 5' loxP and cre-excision strategies

| Wild type-specific (absent in targeted allele) |  | Mutation-specific product (absent in wt) |  |
| :--- | :--- | :--- | :--- |
| 5' Primer Name: | 24 | 5' Primer Name: | Neo3a |
| 3' Primer Name: | 12 | 3' Primer Name: | 12 |
| Predicted Wild-type Band (bp): | 487 | Predicted Wild-type Band (bp): | none |
| Predicted mutant band (bp) | none | Predicted mutant band (bp) | 406 |


| 5' loxP strategy |  | Distinguish Cre-excised and wt |  |
| :--- | :--- | :--- | :--- |
| 5' Primer Name: |  | $5^{\prime}$ Primer Name: |  |
| $3^{\prime}$ Primer Name: |  | $3^{\prime}$ Primer Name: |  |
| Predicted Wild-type Band (bp): |  | Predicted Wild-type Band (bp): |  |
| Predicted mutant band (bp) |  | Predicted mutant band (bp) |  |

## Primer sequences:

## Southern probes

1 5'-TCAGTGTGGCAGTTATGGGT
2 5' - GGTGACACACTTTCACACGG
5 5’ - CATCCTTGGCTTGGTTGCAC
6 5’ - GTCTGTCACTTCCGGGATGA

## PCR Genotyping

24 5' - GATCAGAATGAAACCCATGTTG
12 5' - ACCAAAGTGTAATATGTTTGC
Neo3a5' - GCAGCGCATCGCCTTCTATC

## Genomic Sequence Deleted:

TTCCCGATCAGAATGAAACCCATGTTGAAAGACTTTTCAAATCTCTTGCTGGTGGTGCTCTGTGACTATGGTGAGTATGGTGGAGAACACATGAAGCCA TTGATATCCATGGGAACCAAAGGCCATGCTTCGTGACCCTGCATGGGAGGGGTGGAA

## Genomic Locus: (The deleted sequence represents nt 14472-14627 in the sequence below. KOS75 used to generate the TV represents nt 9084-17754 in the sequence below.)

ACCTCAGAACGTTTATTAGCACAGTAGGAGGAGTTAGCTACTCTTAGTCTCTAGTCTCATCTCTTAGACATCTGGAGGAGGAAGCTGCAGTGGCTGGTC TTTGCACACACTGATCAGTTACTCATAAGTACTCGTATTCAGGCTCCCGAGGAGAGCTTTGCCATTCCTCTGGAGCCTGACCCATATGGGTAACAGCTTT GCCAAATTATGACAAGACAGTTGGCTTTGGAGTTGTTGACAGGCTGTGCCCATCCGAACACACATTCACTCACAACCTCCAGTCCCTACAGCCAATCAT GTGACACCTGCTTTGACTCCTCACTGTCCAACATCACCGAATGCACTCAGGACACTTCTAATTGTTAAAATTCACTAGGTGACTTTCGGGTCAACAGGT CCGTCCTTCCAGGAGGCTTCTCAACCAGCTCAGCCTGTCTGAGATCTGCCTTGCCTTGCTCAAATTCTAAGGCATGAGCCGTACCCACAACATAAGAGG AAAAGTCAGATTGCTCACACGTAAGATCCTGATTTCACAAGCTGTTATTATCAGGTGAAAATTGGGTCATCTATGTTCTCCCTTGTGTCCTGATGTGAAA TCGTTATGATTTCCAGATCATTGCTTATTAAAGTAAAGAACATTTGTATACAGGTGGTTATTAAGAGTATACATTTTATAGTTGCACAGGTCACTAGAAT ATTCGCTGACTCACAAAGAGTTCAGTGAGTAGGGGAACTTGGCCCTGCACATGCTAGGTTAAGTGCGCTTCCACTGAGCTATCTTCCTAGCCAGCATTC AGTGTATGGTGAAAGCCAGTTTGAGTTCAGTCCTGAGGTCCTACCACTGTCCTTCCTCTGATGTTACCTTTATTTCAGAAAAGATTTATATCATGTTTGT CTCATAAAGACAGTAATACAGGGTCTTTGTTGGTGTTTCTATTGCCATGACCAAAAGCAGTGTGGGAAGAAAAGGGCTTATTTCAGTACAGTCCATCAC TGAGGTAAATCATAGCAGGAATCTGGAGGCAGGAGCTGATGCAAAGCCACGGAGGGTGCTGCTTACTGGCTTGCTCAGTCTGCTGTTTCATAGTACCC AGACCCATCAGCCTAGGGATAGCCCCACCCACAATGGGCCCATCAATCACTAATTAAGGAAATGAGCTATATAGGCTTGCCTATAGTGTGATTTTTATG GAAGCATTTTTTTTTAATTGAGGTTTCAGATGACTCTAGCTTGTGTTAAGATGACATAAAACTAGCCAGGATAGTCAGTTTCTCATGAACTATAATTTAA AATGATGAGACATTTCAATAAGGCTGATACATTTTTTAAAGGATTTTTTATTACATTTTGTTTTTTTAACATTTCAAATGTTATCCCCTTTCCTGGTTTCC ССТСТGAAAACССССАССССТTTСССССТСТСССТGСТСАССААСССАСССАATCССGСTTCCTGGCCCTGGCATTCCCCTACACTGGGGTATAGAACCT TCACAGGACCAAAGGCCTCTCСTCCCATTGATAACCGACTAGACCATCCTCTGCTACATATGCGGCTAGAGCCATGAGTCCCAACCATGTGTTTTCTTT GgTTGGTGGTTTAGTCCCAGAGAACTCTGGAGGGTACTGGTTAGTTCATATTGTTCTTCCTATAGGGTTGCAGACCCCTTCCGCTCCTTGGGTACTTTCT CTAGCTCCTTCATTGGGGACCCCGTGCTCCGTCCAATGGATGGTTGTGAGCATCCACCTCTGTATTTGTCAGGCACTGCAGAGCCTCTCAGGAGACAAG GCTGCTATTTTTAAAATGCATGTAAGATTTAAGTCTCACAACCAAAAAGTGACCTTTTTTTGGTGAGAGTGTCCTTGGGAAGGTTAATACAGAGCAAGG TGCCTTTTGTGTTTCACTGACTCCCCACAAAACTTTAACTGCTATATTCCTTTTATTGCAGAGGAAAGCTGGGATTGGGCAACTCAGGGCTACCTGGAAT CACCAAGTGCGACCATAAGACTTTACCCGCTGAACTCTACACAGGCGCTTCCATTGAGATTTTTTTAAATTGCATTTTGTTTTTTTGTTTTCAAAACCAAT AGTCCCAGGAACTATCTGATGTTCATATGGCAGGCACGAATTTGAAAGGGATCCTACCTTGAGCTGATGAATGACAGAGCAGATCGTATTGACGGCAG TGAGAACTTCCTTGGTCACTTGGTTGATTACTCCCTAGAAAAACTTGACCTTTGATGGCATCTAAGTGACTGCGCTGTCTTTTAAGATCAACTTTCTGCA ACTGGCATAATCTCCAAACTTGAGGCGAAATTTACAAGCCAACCATTGGCTCCCCCTCACCAACTTGCTAAGCAAGAGCTCCGCTGCTGCTCTGTATGT AGTGCCTCGCCCACAGTCTGCCTCCAGGAACAGGCTCTCGTTTGTACAGTCCAGGCTGACCAGGTATGTGAAATCCTGTTTCCCCAGTTCCTGAGATTA CAGGCACATGCCCCACATCCAGTCTCATGGGTCTGACACATGCACAGTAAATCCACACAACTCGGTCCTAACATGCTTCACTCCTCGAGAGTTTCCTGG TACCTCTTGCTGGGTGCTGGCCATCTAGAGGCTATGCTGATTTCTATTACTAAATTTGTCTGTTAAGTGGTTGTTACACGCAAAAGAAAGCTCACTGCAC AGCGCTGGATGGCAAGTGCAGCTGTTAAACCACGTGAAACGTAGCCTCCGGTTCTTTCAGAAAGAAAATACTTGTAGAATAGACTTTTTTAAATGTTTA TTTTTAAAATGTTTAATTAACCAAGTTTTGCTCCAGAGGAAGAGAAAGGAAAATGCGCTTTATCTGAAGTATATTCCTTTCAAACTCCAGTGACATTTG GGGGAGCAAGTTTAGAAATTACCCATACCACTTTTTGGCTCTTCTTGTGATCACCCTCCAAAAGAAAATGACATGGGGGAGAAGTGAATGGTTTAAGT GCAAGGCTGCTGGCTCTCTCTTAAAGCACTGGGTCTTTGCAGCGGGAAGTGGACTGTGGGTGTAAATACGTGCTGCACTAGCAGCGACCACACCTCCTA GCAGGGCCTCTGGACCCAGAGTTTCCTGCAGGTTTCCTCTCCACAGGGCAAGCTAGGGGCGGGCAGGAAAGGAAGATGCGCTGCCCAGGAGTGGGAG CGGGGCGGACCTCTTGCGCTTGACCCCCGCCCTCTGAGAGCCCGCCTCGGGGCGTGGTCCCGGCAGCCTGGGAGCGTGCCGGAGCTCTGGACCCGGGC GGGCGTGCAGCTGCGGGACGGGAGATGCTCGGTCAGTCACCCTGTGGCCGCTGAGGCTCCCCTCTCACTTCCGCCGTGCCAGACAGACCCGACCCGAG GTAAGGATCCGAAGCTCAGGTGGCCCACCACCAGGGCGGGCACCTGGCGCAGGCGTGGCCGAATGACGGGACTCTCAAAGGCAGGAGTTCAGATTGG AACCTTTGGAAACTCAACGTTGCGACATACGTTTGTGGCTTTCCAAAAGTCTCTTTCTGGGATACTAACAATAAGCAATGACCTCAGTAACAAGTTTTA TGCTGACTACCACTGGACTGGGTTTGCACCCGGGAACTTGAAGCACCTCTGGAAAGTGAGTTGGTAGGAGAGCAGGGCTTCACGGGGGACGCACAGCT CACCCCATGGTTGGGATAGAGAAAGCTTGTTCAGAAGCGCAGCTCTGGGATCCAGATTGCCTCCTAACAGACATTATTCCTGGATCTATACACAGAAG CCTTGCTTGTGAAATTACTTTGTTTCTCCTTCTATTCTTTTATTTTCCTCCTTTTATTCTTTAACGATGTCCTGTGGATATAAATTAATTTTCCTTTGTTGTC GGCTATGAATCATTTAGCTGCTTTCTGAAAAGCTTGGCTTTAAGGGGGGGAGGGGGTGATTCTGTTAGCCATTGAGAATATCCACACACACTTTTCTCC ACTTTCTCGGCTGGGACTTTTACTGTTTTTCTTAGCTCCAAAGGTTCAAACCCAGGGTCTCTCACATGCTAGGCAAGTCCTCTACCACCCAAGCCCTATA CAAAGCATTTCAAACATCTTGAAAATGTTCCCACTTTCСТАСТTTCTTAAAATGATTCTCAGCACCAAACATTTTACTCAGCAACTACTCAGGGAATTGG GGACGTGGTGAAAAAAGGTAATAATCAGTAGTGCCCCCTCCCATTTTAGAGGCTTATTATAATCATCATCATAGTGCATGCCCTAATGCTCAGGTAGAC TGCGTTCTATAATTCCATCTCTGTCCAGCTCTAAGTACAGATCATCACACAGGTCTGTATTTAACCACCCATCTTCATAAGCAAGAAAATGCAATCACA GAATCAGTGATGAGAAAGAGTTTTAAGAAGAATATTATCTCCGAGAAGCAAGCCATCCAAGAAAGCTGAGTTCACCTTTCCGGAGGCCGCTGCTAGGT GGTGTCCTATTATGTTGTCTAGGCTGGTCTCAGACTCCTAGGCTTAAGCCATCCTCCTGCCTCAGATTTTGGGGGGAGCTACAGATGCTGGGGCCACCA TGGGATGCTTCCTCTGAGTCTTTCATCTGAAGTCTTAAAGTCGTGTTCCCCATCCAAATTCAAGGTAATGATTAGATCAAATCCAAGGCGACTTCCACTA AAACAGAATTTCCTTTTTTGATGCGCTGAGGAAAGGAAGGGAGGCCAATCATCTGCATAGTTAAGCTGCAACCCCCACCCCTTCGTTTTCAGGAAGTGC AGAGTTTCCTTTGTTCTCСTAGCTCTTACTGAACAAAAGCTAATAGAGACACACCAGCTTCCTTCCCACTGAGTGGTGGCTTGTTTCAATCTGCCTGCTT AACTCTGTTAATTCTGTCTTCTATCAGAAGGTATGGAGTCTGTGTTTGCAAAGTTATACACGGGTAGAGATGCGCTTCAGTGGTAGAGAGCTTTCGTGG CCCACATGAGGCCACAAAGAAACTGTTATCTATGAATAACAAGGGACAGTAAGCATTAAGAAAGCATATTTTTTGGTTATGCTTAATAGAGCAGTTGG ATTACTAGATTCTAGTACAAAGAAACTACCTTTAAGCGACCCAAGGCTTATTCTGTAGTACTCTAGTATTTCTATCCAGGTACAGTATCCCTTCCTACAA TTCACCATGAACCTCAGGCCAGTAAGGTCTTCCCTTGCCCACCTACGTGGTCTGGGAAGATTGCTGCATGAATCAACCATCCCCTGATGCATATCAGCA CCACTCATTGGAAGGCTGACAGGGGAAGGTAATTTTTATTTGTCTGTTTTCTCCATAGACTACCCAAACAAGAAAAGCAAGGCCAGATAGAGTTCACAT AAAGTTGTAATATACTGAGTGTCTATTGTTTTGTTTTGTTTCTCATTTTGTTAAAAATTAAAAACATTTTTTCTTTTATTGAAAATAGATATTTTCCCCTCA TACAATGTATCCTGATTACAGTTTCСTCTTСССТGСТССТСССАGTTССТССТСССТАССТССССТСССАТССАGATСТАСТАСАСССТTTСТGTСТСТСАТ TAGAAAACAGGCAACTAAGGAATAATAATAAAATAACATGTAAGAAAAACAAATCAACATATAACAAAATAACCAAACAGGAAAAAGAACCAGAGA AAAAGAACAAGAAATGCACAGAGACAAAGAGACACACACATTCACATTCATACTCACAGGGGTCCTAGCAACACTCAAAACCAGAAGAAACACAAT ATATATGCAAAGGAACTGTAAGGCTAAAAATAAAAAGAGCCGTGACTTAGCATAATGAAACAAAGACCCTCCAAAGATAGCACTGAGTTCATTTTGTG TTGGCCATCTACTGCTGGACATAGGGTCTTACCCTTAAGCGTGGTTAGTTTCCCCAGTGAGACTCCCTTGGAGAAAACTACATTTTCATTTGCAAGTGGC TATCAGTTGGAGATGGCTTCTGAGTTAGGGATGGGGACTATGTCCACTTCTCTCAGCTCTCAGATCCCATTTGATGTAGACTTGTGCAGGACCTGTGGA TACATCCTCСATCTCTGTGAGTTCACATGGGTACCAGCCCTGCTGTATCTAGAAGGCCTCAATTCATTGATGTCCCTCAGCCCCTGTCTTTCTAGTCTTTC TGTCTTCTCATTCTCAGTTCCCTGAGCCCTGAGGGGAGGGATTTGATGGAGACATCCCATTTAAGGCTGAGTGTTCCGAGATCTCTCACTCTCTGCATAA AAATAATTTTATCGTACCATGTGTTTTAATCACATTCTCССССССССССAGСTTCTCTGACTTTTCTCTCCAACCAATTTCATGCTCTCTTTTTCTGCCTC TCAAACAAAACAAAACAAAAACAAAAACAAAAATCAAAACAAACAAGCATTAAAAAAAGTGATTAAGAAAATTACCAAAAACAAAACAAAAAGCAC ACACAACCCACAGAGTTCGTTTTGTATTGACCAGCTACTCATGAGTCAGGGTCAGTCATAGAGTATAGCTGATATACCCAGTGACTCCATCAGAAAAAC CTGATTTTCCTTCCCGGCAGGAACTTAGTTGCTAATGGTGTCTTGGTTAGGAGTGAGACTTTGTGTCTACTTTGTCTGGTTTGCACTTATGCAGCTCTTGT

GCATGCCTTCATAGTCTCTGTGAGTTCAAATGTGGGCCAGCTCTGTTTGAAAGACACTGTTTCCTTGGAGCCTAGCACCACCTCTGGCTCTTACAATCTT TCСАССТСТTСTCСATAGATCCCTGTGCCTTGAGGGGAGAGATTTTTTTTTTCAAGGGGAGCTCTAACAAAGTTCTATTAAAGGGAAGCTTTCTTGTTTA СTTCTCACTAGCCTGTTCTGGCATGCTTCTAATAATATCAGAATCACCTGTGTCAATGATAGCCAGTGTATATACTCTGTAGTATTTTCCACACGCTGTG CCCAATTCAATATTATTGCCACTGTAGTGATGGACACCAGTTTTAGCCAACATGACATAGTATTCTATTTCAGATTTCCTCAAAGCTGGGCAGTTGTTGG CGAGGATAACCAACTTCGCTTTGCCTTGTCTGAGCATCTTCAGAGTCTGTCCATACCCCAGCATGTACTTTCCATTTTTTCATAACAAGCTGGAGCCTAG AGATGATCAACTCCAGAGTCTTTTTCСТСТTCTTTGCAGCCACCATCTTCCTGCCTTATGTGCGAGACAACCCCCAACTAAGATCAGCCACCACAATGGC CAGGGAATGAGAAAGGCTAGGGGAGAGATTTGATGATGACATCCACTTAAGGCTGAGTGCTTCAATGTCTCTCACTCTTTGCACATTGCCCAGTTGTGA GCCTCAGTGTTAATTCTCTGATGGGAACAAGCAAGTCACTAATCTTGGGCACAGCAATATTTCATCAGAAATGATTCTATTGCTAGGTTTCTTCAGCAG AATAATAGGTTTTTCCCTAAGACCCATAACCTATCTAGTCTTAGGTTCTTGGTCACTTTATCAGTGTCACATATGTGTTCCATGTCATGGAGGGGCCTTA AATCTAGTCAAAAAGAGATTGGTCACCCCCATAATATTTATGCCAATGCACCAGTATATAGTGCAGGCAGGTGGCTGTTGTAGGTCAGAGGGTTTGTA GTTGGGAGATATTGACAACTGATGATTCTCCTCTAGTGGTGGGCACAATACCATAAACTCCAGTCAGAAGAGGTGAAGTTTCTAGTTAGGCACCGGCTT GAATTCTCCATATTTGATGGCATATGTACGTTGTGCCTTCAGCAATAAGACCTCACCATCAGGTTATGAGGGGCAACCAATAGCCTTGATAATAGTCTG TGATGTTTGGGGGACTCCTTTGGCCAACAGATCAACAGAATGTAACCCGTTCTTGGCATTGGGGGAGGGGGAGTTACTCTGTGGCATAAGACATCTAGT TGGCCATTGTCTCCCACAATAGAGGGTAACTCCATTTAAATCCTTTCCATAGATGTATGTGAGGAGGCGTCTGCAGTAGTCGGCTTCATTCATATGGCTT
 СТСTTGAAGATACTATATTCTATTTTCCATTCCTTGGAAGAATGCATCCTCTTCCTTAGTCTTTCACTTGCTACATAAGCTTGTGGTTATTATTGAAACAC ATATATCTAAACTTGAAAGGAGAAAACATACACTATTTGTCTTCTGGGGCCCGGGTTACCTCACTCAGGATGGTCATTTCCAACTCCACCCATTTACCT GAAAATCCCATTTTATTTAAAAGCTTACTAATATCCCATTGTGTGAATTTACTACATTTTATTATCTATTCATCACTTGGTGGATGTGTAGACTGTTTCTA ATGTCTGGCTATTATGAATGAAAGCAGTAGTGAACATAGATAAACAAGTACCACGGAAATAAAATGCCGAGTCCTGCCTTAGTTTGGGTTGCCATTAC TCTGATGAATAATGGTCAAAAGCAAGCTGGCAAGAAAGGTCTTAACTGAGTTATATTTCCACATCCATAGACGATCCGTGAAGGAACTCAAACAGGGC AGGAGCATGGAGGCAGGAGCTGATGGGGAGGACATTGGGAGTTCTGCTTACTGGCTTGCTTATCATGGCTTGCTCAGTCTGCTTTCTTATAGGACCCAG AATTACCAGCCCATGGATGACACCACTCACAATGTGCACTACCCACTTCAATTACTAATGTCCTAAGACTGGATTTTAGGAAGGCATTTTTGTTTTTCAA CCAAGGTTTCСТССTTTCAAATGACTAGCTTGTATCACGTTGACATAAAACTAGCCAGCACAAGTCCTTGGGGTATATGCTCAAGAGTGGTATAGCTAG ATCTTGTGTTGATCAATTGTCAGCGTTTTGAGGAACCTCCACACTGCTTTCCGTAGTGACCTTACCAGACCCCACTCCTACTGGCAGTGAGTGAGTGTCC ССТTССССTGCACTTTGGCCAGCATGCACTGTCATTTGTTTTATTAATCTTGGCCATTCCGATGGAGGTAAGATGCAATCCCAAAGTAGTTTCAATTTTC ATTCGTTGATGGCTTAGGATGTTGAACATTTTGAAAAGCGTTTTTGATCCATTTGTATTTCATTTTTAGAGAACTTCCTGTCTAGTCCTGTACTCCATTTT TAACTGGATTATTTGTTTTCTTGATCGGTTTCTTGAATTCCGTAAATATTCTAGATACTAGCCGTCTGTAAGATGTAGAATGGGTAAACATTTCTCCACA TTCTGTATTCTGTTGCTTGGTTCGAATGATGCTATACAGAAGTTTTTTTGGTCATTTATTAACTTTATAAAAAAGTTTTTTTTGGTCATTTATTAACTGTTG GTCTTCTGACATTTGACAAAAATTATACGCTGTTTAAAAAAAAAGAGAGCGCCTTCAATAAATGGTGCTGGTCAAACTGGGTGACTTCATGTACAGGA ATGCAAATATTTCCATATCTATCATCCTGCACAAAGCTCAACTTCAAATGGATCCAAGACCTCAACATGAGGCCAGAAACCCTAGATCTGATGGAAGC AGGAGGGTGATAGTCTTGAACTCAATGGCACAGGACAGAACTTCTGAGCAGGACACGGACAGCGTAGGCACTAAGACCAGCAATAAAACAGGACCTC AGAAGCTGAAAAGCTTCAGTAAGGACACTGTCTTAGTTAGGGCTTTACTGCTGTGAACAGACACCATGACCAAGGCAACTCTTATAAAGACAATATTT AATTGGGCTGGCTTACAGATTCAGTAGTTTAGTCCATTATCATCAAGGCAGGAACATGGCAGCATCCAGGCAGGCATGGTGCAGGAGGAGCTGAGAGT TCTACATCTTCATCTGAAGGCTCCTAGAAGAATACTGACTTCTAGGCAGCTAGGATGAGGGTCTTAAATCCCACACCCAGAGTGACACACCTACTCCAA CAAGGCTACACCTCCTAATAGTGTCACTCGCTGGCCCAAGCATATACAAATCATCAATGACACCATCATTTGAGCAAGGCAGCAGCCTACAGAACAGG AAAACGTCTTTACCAGTTATACATCTATAGAGAGTTAGTTTCTAGAACATATAAAGAATTTTAAAAAAACAAATGAGAAAATAACCAAGTTTAAAAAA AGAAAAAGAGGCACTGAGCCTACCACAAATTCCTCAAAAGATGAAGCACAGGGGCTGAGAAACACTTTTTAAAATGTTCAACATCCTTAGCCATCAGG TTCCTTATGAAGCTTGGAATTGATCTACCCATGATCCAGGGCACATATCCAAAGGACTCAGCTTTATTAGAGAGAAACTTCCTCACCCATGTTCATTACT GTTCTAGTCACAAATAAGCAGGAACAGGAAGCAGTCTCGATCTCCATTAACTGACGGATGAGTGGATAATGGAAACATGATACATTTAAACAATCAAG TATTTGTTAATATGTTTTAAAAATGGAATATCTGTTAAAATTCCTAATTATGACATTCACAGGTAAATGGATGGAACCAGAGAAAAATCATCCCGAGTG AGGTGATCCAGACCCGAAAAGACAAATATTATACATTGTCTTTTGTATGGTACGGATAGGTGTGTGCAACAATCTCACTAACCACAGCAGTTGGGTGCC TССАТАТТТААТТСТССТТСТСТСGТТТТСССТТТАТСТСТGСАGAAATATСТССТСТТТССТСТТТСТАGGGAGAGCAGGGTAAAAGGGGGAACATGTGG AGGGACACTTGAAAAAGTGACATGGAAATCTAATTCCATAGAAGCATCCCAAAATATAAAAACATATGAGGGAATATAAATGGATGCACTGAATAAT AGGGGAGACAGTACCCAGCCAGGCATCTTATGCCACCAGGTAAAACCTCACATGGCAGGAATGGGTTAAATCTGTTGGTCAACACAAAATAAACTCTG GAATTTATATGGACTTTTGTTTCATTTTGCTTTGCTTTGACATTTTTTTGTTGTTGTTGTCTTTTTGGTCTCTTGTGTGTTTGTTTTTTTTTTTGGTTTGTTTT TTTTTTTGTTTTTGCTTTTTCAAAGAGGAGAGAAAGCGCATAAAGATGAGTGAGTGAGTAGGGAGGATGTGGGGGAAGCTGGAGAGTGAAAACATGAT CAAAAGAATATATGAAAAAAATTAATAAGAGAAAGAAGTGTTGGTCCTGTTCAGACAGCCCTTTCTTTGGCCAGTGAGTCCAAGGCTCTCTCAGATGT GGGTTTCTGGTCATATGCTGAGGTCCTTGATCCATTTCCAGTTGAGTTTTGGGTAGAGTAATATATATGGATCTGTTGCTTTCTTCTATATGCAGCCACC CAGTATGACCAGCACCACTTGTTGAAGATGCTGCCTTTTTCCCCAGTGTGTGTTTCTAGCTTCTTTATCAAAAATCAGGTGTCCATACATGTGTGGACTT ATGTCTGCATCTTCTAGTTGATTCATTGACCAACAAGCCTATTTTTATGCAAATAACATGCTGATTATTATTACCACAGATCAATGATAGAACTTGGATC AGGAGTGGTGATATTTTCAGCAATTTTTTGTTTTTGTTTTTGTTTTTTTAATTCAGGGTTGTTTTAGCTATCCTGGTTTTTTGTTGGTTTAGTTGGTTGTTTG GTTGTTTGGTTGTTTGGTTGGTGTGTTTGTGTGTGTATGTGTTTCCACATAAACTTTAAGATTTTTTTTTCAATTTTTGTAAAGGATTGTGTTGGAATTTTA ATGACAATTGCATTGAATCTGTAGATTGCTTCTGGTAGGATGGCCATTTTCACAACATTAATACTATATTAATATTACCACAAATATTGGAGATCTTTTC ATCTTCTGGTATCTTCTTCAATGTATTCCTTCAGTATCTAAGAGTTTTTACTATAAGTCTTTCACTTACTTGGTTAGCATTATCCCAAGATATTTTATTTGA GAGAGGGGCCATCGTGAAAGGTATTGTTTCCTGGATTTCTTTCTCTGTGTGTGTGTCATTTGTATGTATATTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG TGTGTGTGTGTATCCTGGCTAGTTTTATGTCAGTTTTACACAAGCTAAAGTTATCTAAAAGGAAGGAACACCAATTGAGAAAATGATAAGATCCTGCAG TAAGGCATTTTCTTAATTAGGGATTGATGAAGGCCCAGCCCATTATGAGTGGGGCCATCCCTGGGCTCACGGTCCTGTGTACTATAAGAAACCAGCTGA ATAAACAATGAGGAACAAGCCAGTAAGTAGCACCCATCCTTGGTGTCTGCATCAGCTCCTGCCTCTGGGTTCCTGCCCTGTTTGAGTTCTTGTTCTGACT TTCGTTGATGATGAATAAAGCCTTTCCTCTCCAGCTTGCTTTTGATCATGGTGTTTCATCACTATCAGTTATAGTGATAGTAACCCTAAGACAATATATG GTATATATATGTATTTATATCTTATGTGTAAATCTTTTGTCCTACTATTTTGCCGAATGTGTTTATCAGCTGTAGGAATTTTCTGGTGGAATCTTTAGGGT TTTTTACATATAGAATCAGACTAAATAAAGGTATTTTGATTTCTTCCTTTCATATTTGTATTTATTTGAGATCCTTCAGTAGTCTTACAGATCAGCTAAGA CTTCAGGTATGATATTAAGCAGGAATGGAGAAAGTGGACAGCTTTCTTTCTTTTTCCTGATTTTGTAAAAGTACTTTGTGTTTTTCTCTGTTTAGTTAGAT CCTAGCTATAGGATTGTGATATTTTACCTTTATTATGTTGAGGTACGTTGCTTGAATTGTTTCTTGTTGTAGATATCTGTCTTAGTTAGGGTTTTACTGCT GTGAGCAGAAACCATGACCGAGGACAACATTTAGTTGGAGCTGGCTTACAGGTTCAGGGGTTCGGTCCATTATCATCAAGGCAGGAGCATGGCAGCAT CCAGGCAGGCATGGCAAAAGAGGAGCTGAGAATTCAACATCTTGTTCCAAAGGCAAACAGAAGACTGGCTTCCAGGAAGCTAGGAGGAGGGTCTTAA AGCCCATCCCTACAGTGACACTCCTTCCTCCAACAAGGCTACACCTATTCCAACAAGGCTACACCCCCTAATGGTGCCACTCCCTGGGCCAAGCACATT CAAAACACCACAATATCTGACCTTGCCTTTTTCAGATGCCACTCCAGTCTTTGGTTGCTGTTGCACCAATCTGGGTCCCCATCTAGTGTGAGTTGTGGGG TCCTTGAGTCCCATCAGTGTGGCAGTTATGGGTTTCTGGGAGAGAGCAGTCCTGCAGGGTCTAAAGAATAAAGGTAGGGATTGACGAAAGGGATGGCA GGAAACCAGGGGGACCCTGGGTGTATAGCAGGAGGCTGAATCCCAAGGAGATGGAGTGGGCTGGGAGGTGGGACCCAGGCTGGCAGAGAGTGACAG GTCTAAGAACACCCTGTATGGGAGAAGCAGATCATAGCCCAGCTGAGTCCCAGACAAGTGTCCTGAGTATCTTTTTAGGGGAACTCAACATTTGGACA TAGCTCTTAGGGATCAAGAAACAAAGCAACCAGGTAAATAGACCAAATTGCAAGCAAAGGTTAACGACCCATTTGTGGGAGCCATGCAAGGATGATT TGGGTTTAACACTAGTAAATGAAAACTTGGAGACTTTTATTAAATGGATCAGTGTGAAATGCCAAACATATAATCCGTGTGAAAGTGTGTCACCTAGGT TAGCTATTAGCTTTGATACAATTAAGCAAGTAGCAGACTCTCCTATAAAGGATGTTCTACACAGGTGCAAGACGGAAGGCGGGGGGCGGGGGGGTGG GGGGGTGACAGGGGGCGGGGCCCAGGGGGGAGTGTTCTGTAGGCATGGAGCATGCTTGAATGTTCTAGGCTAGGTAGTGATAGGCCTTTGCTCCAAGG

AAAGTTAGTGTCTCCTTTGTCGTTCTTATAATGCCTCCTAGAAAGTTTGACTTCTTAGAATGGCTTGCTTTTCCATTTAAAAAAAAAAAAAAAGGTTATT TATTTATTTATTTATTTATTTATTACCTATGAATGTTTTTCTGTGTGTCTACTTGAGTTTATGCCACACGTGTGCAGGTGTCCTGAGAGGCCAGAAGAGGA GCTGTAGTTACACAGGTATCGTGAGCTGCCCAACCTGGGTGCTAGAAACCGACCTCAGATCCTCTTGGAATAAGCAGTGACCCCTCTTAACCACAGCC AGCCAGGCCCTGGCTTTGTGGTTTTGTGAACAAATGCCATTTGTAGGTTTTATGGTTCTATGAATCATAGATTCTTCCATTTGAAGTTTCTAATTTCAGGT GCTTTTGGAAAAAAAAAAATCCCACAATTTTGGTGTGAGAAAGGACATGAGGAGACTACAGGCCTGGGATCTTCCCGATCAGAATGAAACCCATGTTG AAAGACTTTTCAAATCTCTTGCTGGTGGTGCTCTGTGACTATGGTGAGTATGGTGGAGAACACATGAAGCCATTGATATCCATGGGAACCAAAGGCCAT GCTTCGTGACCCTGCATGGGAGGGGTGGAATGGATCAACTGAACTCTCTCAATGCCACAACCTTGGTGCCCTGGCCCCTCTGGAAGTACTGTATCCTGG GGATTTTGCCTAATTGATTTCAATTGGACAAATTAAAAGGAGAACAGAGAAGCAGTGGATGGGTCCCCATAGAAAATGGAAGGTGTGAACTAAAGAA AGAACTTGCCACCTGTAGTGGCTATTCCTGGATGTCAACTTGACTACATCTGGAATGAACTACAATTAACTAAATTTAATTGATCTAAATTTCAATTTAA
 AGAGTCTTCCCATGTAGCCCTGGCTGGCCTGTAATCTACTGCATATACTTCCTGATCATTGGGTTAAAGGTGTATGCCACCATGCCTGGCAGAAAAGAT AСTTCСATAAGGGTTTTTTTGTTTTGTTTTGTTTTGTTTTTGTTTTTGTTTTTGTTTTTGCCTTTTCATATCTACTAAATATAGATGAAGTCTATCATTCTGG GTTACTCACTGTGTGTGCGTACACATGTTTTTATGAATATAACAGTTACTTTAAATTCTGTAATAAGTGGGAGAAAGGGAAATGAAGGGACAGAAGAA GCAGACAAAACAAAACACTAGTGTGGTTTTAGGATGTAGTAGGACCAGAATGTAGCTTTCAGAATGAGAGTCTTCTCATCCCGACACAAAGGAATTCT GGGGTATGGTGGTGTATTAGTCAGGGTTCTCTAGAGTCACAGAACTTATGGGTAGTCTCTATATAGTAAAGGAATTTATTGGTGACTTACAGTCTGCAG TCСАAСТСССАAСAATGGTCGGTAGCAGCTGTGAATGGAAGTCCAAGGATTTAGCAGTTGTTCAGTAGCACAAGGCAAGCTGGCAAAGAAGAGAGAG AСТТССТТСТТСТАATGTССТTATGTAGGTCTCСAGCAGAAGATGTAGCCCAGATTAAAGGTGTGTACCACCACACCTTTAATCCCAGATGACCTTGAAC TTGGAGATCTCССАGTCTCAATCTTCTGGAATTCATAGССАСТАТGССТСАAGATCTCСATGССAAGATCCAGGTCAGAAATTTGTATCTCCCAGCCTCC AGATTAGGATCACTGGTGAGCCTTCCAATTCTGGATTGTGGTTCATTCCAGATATAGTCAAGTTGACATCCAGGAATAGCCATTACAGGTGGCAAGTTC TТССТТТАGTTСАСАССТТССGTTTTCTATGGAGAСССАТССАСТGСТТСТСТGTTСТССТTTTTCAGCTGGACATGCATGCTACTTTCATAAATTGGCTCC CACGAAATCAGAATCTCATCAGCCTCACTGATAATCTCTGTCATTTCTAATAGACTCTGGATCACTGGACGTGGTGCATGCTTGTGTTCCTAGCATTTGG GACGTAGAGGCAGGAGGATTGCTACATTAAACCCTAGCTCAAAACAAACCAACCCCACTCTTGTTAGTTAACCATGTTGGTGAGTTTTGTGTCAGTGTG ACACAAGCTAGAGTCATTTGGGAAGAGGGGCTCTCGATTGAGAAAATGCCTTCATAAGATGAGGCTATAGGCAAGCCTGTAGATCATTGTCTTGATTA ATGATCAATGTGGGAGGGTCCAGACCACTGTGAGTGGTGCCAAACAAGGTTAAGTGCTGGTCCAGAGTTGTATAATAAAGTAGGCTGAGCAAGACATG AGAAGCAAGCCAGTAAGCAAGTTCCTCCATGGCCTCTGCTTCAGTTCCTGCCTCCAGGTTCCTGGGTTGTGTTCCTACCATGACTTCTCTCAGTGATGGA CTGTGGCATACCTAGTTATTTCAGAAATGTTCATGCTATTATGGAAGACCAACGAAGAATAAATAAATAACATCTCTCATCCACCTAAAAATTCCCTCT TCACCCCAGCAGAGAACACTGGGTTCTTTTACTGGTAAAAATTCCTAAGTGCTAATCTTAACTATCAGACAATAATAACTCTGAAGAGAAATTAAGCAC СTTAСАТTTTAAGTAATCCAGACTAGTTAGTATTACACGATTTAAATCAAACTTTCTCTAACTGTTGTATATATTCCCTCCCCCCAATAACTAAACACCA GAATTAGTTACTCAGTAATAAGCTGAAGTAAACTGTTCTTTCCCTAAGGTGTTTTTGGTCATGACATTTTTTATGACAGAAACTCAGAAACTAATACATT AATGAAGTGATATGTGCCTCTTCATCTTAAGATGCACTAGAGAGGGCTGGAGAGATGGCTCAGCATTTAAGAATACTGACTGCTCTTCCATAGGCCCTG AGTTCAGTTCCCAATAATCACATGGTGGCTCACAACCATCTGTAATGAGATCTGATGCCCTCTTCTGGTGTGTTTGAAGACAGTGACAGTGTACTCACA TAAATAAATAAATCTTAAAAAAAAAAAAAAAAGCCAGGCCTGATGGTGCACTCCTTTAATCCCAACACTCAAGAGGCAGAGGCAGGCAGATTTCTGA GTTCGAGGCCAGCCTGGTCTACAAAGTGAGTTCCAGGATAGCCAGGGCTATACAGAGAAACCCTGTCTCGAAAAACAAAACAAAACAAACAAACAAA AAAAGATGCACTAGAGAACCACCTTTCAAATTTAAATTAAAATGACTTTAGTGGAGTTGGAGAAATGGTGCAGCAGTTAGTAGCAAGTACCAGCACCT GTGTTTGGTGGCTCAAAACCACCTGTAACTCCAGCTCCAGGGGAATCCAATGTGTTTGGCCTCTCTAGGCACCTGTACATACGTTCATACATACATACA TACATACATACATACATACATACATACATACATACATTCTTGCTCTCTCGCATTCACATACACTTTGACATTCTTTGAAAAAAAATCTATAAAATTTCTT TTGССTСTGAATTCССTGTCTAGTCTGAGACAAGTATGGAAGTCTCTTTGGTCACTAGTGTGCACCTCCCTCAACTCACATTGTCTACAGGTGCAAGGCA ATСТТСТТСАССТТСТGТТТТСССТАAATGGAСAAACAAAACACAGCAAAGTTTATCCTGTTAGGACGTTCAAGTAAGTATGATCCAGCATTCCCATCTA TCCGAGTTTGCTGTGTCTGATTTCAGTCTCCAGGAGGAAATGAGTGAGGTGCTGACTGGTCTTGGTGCTGATAGATTTATTCATGGGTGGACTTACTCTA GTAAGCATTGATTCAACATGCACCATGGGAGTTTAAAGATGGCAAGTGCAAACAAAATTACATGAGCCTCGTTAGCTATGTGCAATGTGATATGTTTAT AСTCTATGTGGATGGGTATATATAGTAAGAATAAAAAATATTTAATTATGCAACTTTTTTTAAACCCAAAAACAGATCCTGGAAGTTCTTTCATTGTAG AATAATGTCTTACCCCACCCGCCATGGAGCAGCCGATTGTTGCATTGCCAAATTCTGCCTGCTTTGATATGTATTTGGATCCTGTTCAGAAAAGAAACA AAGATTCTTATGTGTCTGCATTCCTTGTACCATTTCAGCCGCTTTGCTGGGTCTCTTTTTAAAAGATATGGCTGATCATAACTGAATGGTGCTTGGGAAA TTAGTAGTCATCTATCCTATTGATGCCAGTACCGGTTGCTGTCACGTCATTAAAGTTGCTAAGGATATGCCTAGTTATTTGAGAAATGTTCATGCTATTA TGGGTGACCAATGAAAAAATAAATAAATAGCATCCTTCGTCCACCTGAGAATTCCCTAGTCATCCAGGTAGAGAGCACTGGTTCTGTTACTGGTAAAAT TTTTTGAATGCTTATCTTGAATGTTGGACAACAATTACTTTGAAGAGAAGTTAAGTATCTTACATTTTAAATCATCTAGAGCAGTTTAAATAGAGCCATT TAGATCAAACATTCTCTAACTGTTGTCTATTTTСССAAATACCTAAACACCAGAAAATGGCTAAAGTAAGACATGTGAGGGACTAAGGATTGTCAATTA TTСТТTTATCTTСАСТGTCACAGTTAGAAGTGACTGCTGTGAATTCAGAGTACTTATCACTACTCACCATTTTAAGCGTGAGGGTGAGGAGAAACCAGA ACGCTTAGAAAGAAACAAATCAGGTGTTTGACCTCTTAGGGGTTGTGTGTTGTTCTGAAACATCCTTGGCTTGGTTGCACATTCTCTGTTGTCCGAAAA AAGCTATTTTTATTGTATCACTAATAATCCTGCTCAAATGCATCCTTTAAAATCCAATTCTATCCATTTCCTTTCAGTCCTCGGAGAAGCCGAATACCTC СТССТССAAGAGCCAGTCCATGTGGCACTGAGCGACAGAACGGTGTCAGTGGGTTTCCACTACCTCAGTGACGTCAACGGGACACTGAGGAATGTGTC TGTCATGCTGTGGGAGGCCAACACCAATCGGACTCTTACCACTAAGTACCTCCTGACCAACCAGGCCCAAGGAACACTCCAGTTTGAATGTTTCTACTT CAAAGAGGCTGGTGACTACTGGTTTGTAATGATCCCGGAAGTGACAGACAATGGCACGCAAGTTCCACTCTGGGAGAAAAGTGCCTTTCTGAAGGTAG AATGGCCTGTCTTTCACATTGATTTAAATAGGACAGCCAAGGCAGCAGAAGGCACCTTTCAAGTGGGTGTTTTTACCACCCAACCGCTCTGCCTGTTTC CCGTGGACAAGCCAGACATGCTGGTGGATGTTATTTTCACTGACCGTCTTCCGGAGGCAAGAGCAAGTTTGGGACAGCCGCTGGAGATCAGAGCCAGC AAAAGGACAAAACTCACTCAAGGTCAGTGGGTCGAGTTTGGCTGTGCACCGGTAGGGGTGGAAGCCTACGTTACAGTCATGCTGAGGCTGTTGGGTCA AGACTCAGTCATTGCTTCTACGGGACCTATTGACCTGGCTCAAAAATTCGGATACAAATTGATGATGGCACCGGAAGTCACGTGTGAGTCTGTGCTGGA GGTGATGGTACTGCCACCTCCTTGTGTCTTCGTCCAAGGAGTCCTGGCTGTTTACAAAGAAGCCCCCAAACGCCCGGAGGAGAGGACTTTCCAGGTGG CTGAAAACAGACTGCCCCTGGGAGAGAGGAGAACGGTGTTCAACTGCACTTTATTTGATGTAGGGAAGAACAAATACTGTTTTAACTTTGGAATTGTG AAGAAAGGCCATTTTTCTGCAAAGGAATGCATGCTAATTCAGAGAAATATAGGTTGGTATTGAGATTTCCTAGCCTTTAAAAGATCAAATCAGTGCCTT CATGTAATCAAAAGTGATAGGACTAGGTGAGTCACGGTGTTCATGATTCATTCATCCTTTAGGCGATACCAACTAGTGTTATTGTCTTTTTCTGAAAAA GTAAGAGCATATTCATATTTCAGTTTGTGTGGGAGATTGGTTTGGGAATCCAGAGATACCAACATTGCATAGTATTCATATAAAACAGACATACCCCTT CCTGCAAACCCCAAGTTATTTCTAGGTTACTTGTAAACCATTACCATGTAATTCTGTGTAAGTAGTTGTTATACCACACCATTTCCAGAACAATAACAAG AAGAGAGTCTGGACATGTTCAGTACAAATGTGATATTTTTCCTGACTGCTTTCTATCCATAGCTNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNGTCTCTCATTAGAAAACAAGCATGCATG CAAAGAATGATAATAATAAAATAACATAGTGTAAAACAAAAACCCAAACAAGAGTTATGGAACCAGGAAACAAAAAAAAAAAACAGAAGAGAGAAC CAAAGAAAAAGGCTATAGAGACACACAGATACCCATACATAGGAATCCCATTAAAACATAAAACTGAAAGCCATGCAAAGGACCTGTAAGGTTAAAA TAAATAССССААСТТААСАТTACGAAACAAAGAСССТСТАAAGATGTCACTGACATCCTTTTATGTTGCACATCTACTGCGGGGCATGGGGCTAGTTAG AСТTССTTGGAGAAAACTAATTTTCTAСTTGCAAGTGGCTATCAGTTGGAGACAGCTTATGGGTTAGGGATGGGGACATGTGTCCACTTGTCCTCTCAG CTCTGGGACCCCCATCTGGTGTAGACTGGTGCAGGCTCTGTGCATGCTACCACAGTCTTGGAGAGTTCATATGTGCATCTGTCCTGCTGTCCATGTGCAT CTGTCCATGTGCATGCTGTCCATGTCССTСTGTCTССTСTGGСTСTTAGAATCTTTTCATCTCTTCTGCAAAGTTTATAGTTCTTCGAGGAGGAATTTGAT GGAGACATCCCATTTAAGGGGCTGAGTATTCCGAGTTAGCTCACTCTCTGCATATCGTCTGGCTGTGGGTCTCTGCTTTGTTTGTTCCCATCTGCTGCAG GAAGTGTCTCTGATGATGGCTGAGCAAGGCACTGATCTATGAGCAGAGAAGAATGCCATTAGGAGTCATTTTATTGCTATCACCCTTCTCCTGCCCCCA GGTTCCTAGCCTCTCTAGTCTCAGGTTCTTGGTGGACAGCATAGGTATGATTCCATCTCATGGAGTGAACCTTAAATCAAATAAGATACTGGTTGGTTA

ATCCCAAAAAACATGTGTCACTGTCACAAAGCAAATCTTGCAGACAGATTACCATTGTAGATCGGAGGTTTTGCAGCTGTCTTGGTGTGGCCAAAAGG GACTCACAGTCTTTATGTGATTAGTTTGTCCCTGGCACTGTCCTCAATGCCTTTTGCATGTGGTTTTATAATCCTGTCAGTCACTTAGGCTCATTGTAGTG TCAGTTTTAGAGATAAGGAAGTGAGGGCACAGAAGAGTGAAGTGCTTTGCTCAGGATAGTTGAATGAGGAGTCAGAGCACCAAGCTGTGTGCAGGGG GTGTTGGGGGTGTGATCTGGCTCAGCAGAGGCATGTCTGCCCCAAGTTCTGTTCCCAGCACCAGCAGACAATCGAAAACCAGAGGTTAAGCAGTTTAA САAGTAСTTTTAССАСТСТССТАТGTСАССТТСТТТТТСТТТTTTTСТTTTTTGTTTTTTGGTTTTGGTTTTTCGAGTCAGGGTTTCTTTGTATAGCCCTGGC TGTCCTGGAACTCACTCTGTAGACTTGAACTCAGAAATCCACCTGССTCTGCCTCCCAGGTGCTGGGATTAAAGGCGTGTGCCACCACTGCCCAGCCTG TGTCATCTTCTGTACCTACAGTTCСTACAGAAGCCAACAAGAGGCTTTCATCTCAAAAAACCATCCCGTGTTTTACTTGTGGACTCATCCTATACTATGA GGCCCTTTCGGGAAACCTGTAACTGTTTTTATTTCAATGGCTGGGGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNTGTGGCAGTGACTTCATATCTTTTTTTTTTAAGATTTATTTACTATTATACATAAA TTCACTGTAGCTGACTTCAGACACACCAGAAGAGGGTGTCAGATCTCATTATGGGTGGTTGTGAGCCACCATGTGGTTGCTGGGATTTGAACTCAGGAC СTTTGGAAGAGCAGTCAGTGCСССTAССАGСTAAGССАТСТСАССАGССССССАТАТСТТTTTTCTAAGAGTAGTTTGAATTTATCAACAGCTTTCTGTC TGGAGGACATAGCTCAGTGGTAGAGCGATTACCTAGCATGCCAGGGCCTCTGGTTTGCATTTCCCAGGACTGCAGGGGTGGGAGGGAAGCTGTTTGGG GGAGTTCTGTGTGCATTTTGAAGTTCTGTTTATACGTGGCTCTGCCTTTAGGGTTGTTAAGAGTAAACTGGCTTGTTTGTCCAGCGATGTTCCTCTGTATC CAGGGAGTATCTCAGGTTCTGCAGCCACTTTTGTCTTTTGTTAATATGGACACTCGTTTTCTTTCAGTGTTCACGGGGTAGATTTTCTTCTACACTTTTAC TTTTAGCCTACATGCTTTTATGTATTACGCATATTTAACATGTGTATATATAAATAAAGTTTTTGGTTTCAAACAGCACACACATACGTATATAGACAAA СТСАСАСАСССССАСАСАGACGATTACTGCTGCTCAGTTTGTGGTTCСTATGTGTAACACTAAGGTTGTTTCTAACGTGCCTTCAGCTATTGCTCCATCC ACGAGGTAAATGTTTACTAGAACTCTCAGTTCСССTCTCССGCTCACTGCTTGGCAGTTGTCATCTGCTTTACTTGACTGTGGTTTTAGTCCTATAGCACC GGTAAAATTCCAGTTTAGACTTAGTTGTATTTTAGAACCTGTGATTTTTGTTTGGTTGGTTGGCTTTGCACCAACACAAAGAAATCAGCATTTTTTGTCT CTCTGGGACTTGTGTTTGGAACTGTTCCCTTTGGTTGTAAGGCTTGTCTTTATGTGCCCTATTGTACTGAAGGCTTGTTGGTTATCAGTTCTCTTAGCCTG CGTTTGCCTGGAAAAGACTGCTTTGTCTTTATTTTTGAGAGATCATTTTCACCGAGTGTGGAATTCCCTAGACTCCACTTGTGGCTTGCATAGTTTGCGA TGAGAACTCAGCCATAATATTTTGTCATTCTTCAGTGTGTGCTACATNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNTCATATATTCATGTATATACATATATATACATATATATATATATATATATAT ATACACACACACACACATATATCACGAGAGAGAGAGAGCGCCATCTCATATATATATATATATATATATATATATATATATATATATATATATATATAT ACACACACATACATATGAGAGAGAGAGAGTGTGTGTGTAATTGCCTGGACCCTTGTGTATGATCCTGGAAGTCTGTTCTCTCCTTCTACCTTTACCCCA GTTTGGGGGTTGGAATTCGGGCTTCCAGTTTTCTCGACCAGCACCTTTATCCATTAAGCCTACTTAGTGACCCATGTTTCTCTATTTTGCTTTTTCTTTTCT TTTTGAATGTTTGCСAACTTGATCTCTTTTGAACATCСTGAATTTATCСTCTAGTATCTTTGTTAATTTTGGATAGTCTTAAGACATATCTTTTCAGGTGA TTTTTСТСТССТАТТСТGTСGTAGССТТССAGAATTCСАСТТАСАСТСGTGAGCTTCTGTTTGATGTCTTCTGGTTATCCACACTTGTTTGGGCTTCTCTCA СТСАСАССАТАССССТТGTTAACTAATGСAGCTTGGTGCTATATATACCAACAGAATATCCAAGTCTGGATAATGTATAAGGAACTGGGGATAATTGCT AATTCTAGATCCTGGGGAGGCCAAAGCCAAGGAGCCTGCATCTAGATCTGGTGAGGACCTTCCATCTATGACATCAGGGGAAACAGCAAAAAAGAAG AGTGCACATCTCGAGTCCTTTGCGTTGAAATTAGCACTGGTCATGTTGGAAGAGCCCTGAGGACCTAAATACTTTCCATTCAGTCAAACCTCCCAACAT GTGTGCACAGGGTGTGGTTGGGGTGTGTTTCAGATTCCTACCATGTGCTGTTGGGTACATATTCTACTTAGAGATATCTTTGCGTTTCCATTGAGTTGTT TCTAGTTCССTGCATTCATACTTATTTTCTTTAAATGTGCCTATTATACTGGGAGCTAGTGGAAGGCATTGTTCCTCTTCATAGCTGTATTTTTGAGGTTT TAGCATTTCTCCTGGTCTCTTCAGTTTACAGCAGTGGTACATTTTCATATGTGCATAGAAGCAGGTCTCTATGATCTGTAGTAGGTCAAGGCCTTGAGTA GTGTGGGCCCAGGACATTTTCAGCССTTCССTCAAGTCAGGGAACTTCTTTCTTTCCAGTCTGCAGCAGCAGTTGGCCCCAGAAAGTGCTCTCAGCATG ACAGTTTGCTGTTTTCCTCAGTGTTCGTAGTGGAAGGAAGGATCTGTAAGGCTTTTTGTTACTGTCACTTAGTCCCTCTTGACACACACATGCCGTAAGG CAGCTTGTCTGGTCCTGCGCCTGTCCCCAGTCTTTCTGGTGAGATCCCTGAAGAGGCTCTGAGTGGGTACAAATTCTCCCTCTTATCTTGTGCCCAGGGG CTGTGAGTTTTСАТССТTСТСТСTСAGTGATTCAGTGCATTTTAGATGTACTCTGATGAGTTTTGTGTGGGCAGGTCCTGGACTCTGTCCCAGGCAAACA GGAGTTTGCAGCСССТСТTTССTTAGAGGGAССTGGCTCTCСTTTTGCTGTAGGTCCTTTGCCCCCTTGACCTCAGCTCTCTGGTGGGTTGCAAGAACAC TAGGACTAGCTAAGATTTTATAGACTATACAGTTTTTCTTCGTTTTGAGATGAAGACCAACATAGAGTTTTACATCTGCAAGAATATTTTCTTTTTTAAC TTCTAGAACCTTTTAAAACCAGAGCTTTGAATTTTGCTGCTTCATTTGGGTGCAGTTAAAATCCCGATTCTCAAATGAATTAGCACTAAAAGCGTGACTT ATATCCTTGCAGAAACTTGGGGACCATGGCAGCCGTGGAGCCCGTGTAGCACCACGTGCGGGGATGCTGTCCGAGAGCGTCGCCGCCTGTGTGTCACT TСТТТССССТССАGAСССАGСТGСТСTGGAATGTССТСAGAGAССТСТССАТGСТСССTGGAGGAGTGTGCTGGTAGGTGTTCTTGCTTCCTTTCAGTCA СТССТСAGAGССТСТGTCAGCCAGGССTGTCTGGGAACCAACCATTCTGTTCAGAGGAAGCTTGCTGCTCTGTACTTGGTACTTTGTATGCTGTACTTGG TCTGGCTTTGTACTTAGCAGTGTCTGAGACGCTGGAGTAGTTGGGACAGTAACTTGCCAGTGAGATGACAGGATTTAATATTGGAAGTGACATAGAAA TATGTCTAAAGATTCTAACATCTTAAGTCATTTTTTAAAAAATACAGAGAGTGTCTCGAGAATCTGTCCTTTCCTATCCATGTGGAGTCCAAGGATGGA GTGCAGACACTCAGGGTTGGCAACGGGTACTCTACCAGTTGATTCATCATGCTGGTATCAGATTTTTGTTTGTTTGTTTGTTTGTTTGCTTTTTGGTAGGG

GTAGGCAGATCTCACTTTGTAGCTCAGGATGGTCCTGAATTCGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNGAGAAGCAGCTTGGTTGGTTGGCCAGCTTTTGC TGTGGTCCTGATCTTTAGATAAAGTTCCTCTGCTGAGGCCCACCTTCTCATATGCTCGTTTCCAGATTCAAAGTCATTCTTAGTTCTTGTCCTTTGTGGAT TGGAAGGAACTAGATGCTTTCCTGTGTTTGGATCTCAGAGAGCCTTTGAGCTAAAACCGTAGGCATCCAGCAACCTTCCCCAGTGCTCTCACCTGTGTT СTTGGAAGGTCTTTCTTGTTATTTGTCTTTCTGССAGTGСTGTAGGСССТGTCTAССTTGСTTTAGAGTCTGACAAATGTTATTCTCСACTTTGTCTTCTTC TTGCAACCСTAGCCTAGTCTCTTCTTTTCACTGTCAGCAACСССАТСТTСTTTAAAGAGTCGAACCCTTCAAAGGAAATTGCATCTGAGCATGTAAAGAT ATTTTTTТСТТТТСТТААСАТTTAAAATTTTTGСATGTACATGAACTTTTGAGTGTATGCATGTGCCATGGGACTTATGTAGAGGTCATAGGATAATTTCC AGACATTTGTTCTTTCTGCTGTGTGGACTCTGGAAGTCAAACTCAGGTTGTCAGTGCCTGTGGCAAGTGCCCTGTAAATGTATCTTTTATCCACCAGATC TAATTGTCTTCGTGGACAATTGTGCTAAATAAGCTCACCСTTTCTAGTTCTTTCTCAACTCTAACCTGCTAGTTCAACTCAGCTGTTCTGGCTCAAAATCC TСTAAGCTTCTCAATCCAGTTTCTCTTGGCTTCTGAGTGAATTGCTCTGCTTGACCTCAACTTTGGTAATCTGTTCTAATTTTCTGGCCCCTCCTCACTTTC TGGCATGTTCTATCTTTACCTGCAACCTGTCTCAGTAAAATTGTCCTGGTTACTGTCTCTCCTCTCССССАСССССТTССТGTACCTTTTTCTCTTAAATTG ССТСТСТТТСТТGTСТGTTCTAGTGAGACTTGGCTGTATCСTСТСТСTGACTGAGTCTGTCAAATCTTTCACTGGTTCATCACTTTGTCTGCCCCTCAACTA GATGTTACTTTCAAACATGGCTGCTTCСTTCTAСAСAСTAGССTTACTTACATTGTTTGGAATTAAAGGTGTGTACTAAGCATGTTTGTATTCCAGCCAT GGGGGTTAAAGGTCATTCCAGCCAGATTACACAGACCTAGAATGTTTTTGGATGTGATCCCTTGCCAGAGCAGCCATGTTGCTGAATTATAAAATTTCT CTATAGTANNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNATAGTACCCTCACCTGCTAAGCCATCTCTCCAGTCCCAGCCATTTTTCTTATCATTATTGTGTGAACAACACAGTATGGCAACTA GTTATACAACTTTTGTACTATAATGGGCAATATAGGTGACCTAAGAATGTCTTCAGGAGCAAGAGGATGTATGTAAACTCTGTGCAAATAATACACCTA CAGAATCTGATGTCTCСAAACATCCAAGAGACAATGCTCAGGACTCTAСAСССTTCACATTCCAAAGGAAGGCTCTGGGCACATGGAGGTGCTTTGCC CAGGGTCACAAAATGAGGGATCCAAAGGAATAGTACCAACTCCATAGTAAGCTGCCTGTCTTAAATACTTTGCCTTTATGTTTGTGTCAGTGTGGCTTT CTAGAAGAGGCATCAGCAAGTGGAAGTAGCAGTTGATTTGGGAGAAACATGATTCTATTTCATGTCCTGACATCTAACTCCTGTTATAATGGGTGGGGT CTGGAAATGCACATGTTCTTAACAAGAGAACTAAGTACCAAATGTTCCCTTTCTTGTACACCGAGGGCCTGAGATAAATGATTAGTTGGATAAAATTAT СТТТССАТGTATTTGСТТТTTССТАТТСТСТGTCTGССAСTGTCTAGAGAGGTAAAGACTGACTTAACGACAGGGCCATCCCCTTTGCTTGGCATCTAGG AAGGGTTAGATATGGCAGGGATGGGCCAGACCAGCAGCTATTTTCCAGTTGTGTTTGTTTTGAAGTTTCCAGACAGAGTCAGAAGGTAATAGAGCAGA GAAAGCAACTTGTGATGTGGGACAGGAATGTTGCTATACCCTGTCATCAGCCATCATGGCCTATAAAGGAAGTGATACATCAGGGAACAGACATTCAC CAATTGTTGGTGCTCAATCAAGGATCCAGAGTTTTGACTGGCTATAGAAGGAAATGCTTTGGTGCCCCTGTCTGAGGACAGCTATGTAACACTTCAATG AGAGAGTACAACAGCCCATGTCGTATAATAGTAATCCTTTTGCTAGTTATTTTTAATAATGAATGAATCAGTCAATTCTACTAAGGTTTGTTGAGCACA ACTGTGTGCAGGTTAGTTAACTGTGAATAGAACCGGGAATATGTTGACTTCACTTACAAGATACATCCTTGTCTTGAAATGTGATACAGCAGCCTGGAA GGTACATAGAGAAATGTAATATAATACAAGGCCTGAAATGGTAAAGGTACACACAGCTTCCTACAGTAGCATGTAAGGTGAAAATCTATGCTGGGGAC AGCTCAGTTCTCAAAGCAGGCAGTGCTTGAGCTGAAGTTTGGGAAGGGAGACTGCACCACTCAGGCCAGCAAGCTAGGCTAGGGAGGTTTTTAAAAAG TGACTGAAGGCATCGGAGAAAACAGCCCAGAGACCTGAAGGCTACAACAAGCTCACTGTAGCTAGACATTGGTGCGCTAGGAGGAGACAGGAAGAGT AAGGCGTTCTGATAGGTCTTAAAGGATTGAGCCTGTGTAGAGTGCCCATGAATGGTGGCAATAGGGATTCAGGGAGAGGTGGGGCATGTACAACTGGA TGTGACAAGTGACAGGCATGAGGGATGAAAACCAGAACTCTTATCTAATGCTGCCCACTGAATGGCCTGTGAAAGTGTAGTCCCTTAAAATTGGGTAC ATCAGGAGAAAGCACGGGTTCTCGGGGGAGGAGGAGAAAGAGCTAGGGATGTAGCTCAGAGATAAGAGCCCTGAGATGTCTGAGACCCTGGATTCAC ССТСTAGACAGATGCTAAATATAGATGGTTTTGCTCATGTTTTTCTTGCTAATAGAATGACTTGTAATCATTGAAGCAAACAGAGCAGGGACAGGGAGT TGAAAGAGTCACAAAATGGCAGACAGTAACGTGGGACTAAACTATAAGGTGACTGTTAGGAGCTCACTCGTGAGCACAGGAAGAACTGTACGTCAGG AGGCTAAGTTAGTGATAGACGAGCAGATGTGGACTTGTCTTCCACTAGGCAGGGCGGGAAGACAGGGAGTATGAGGGGCTATGGGAGCGTGGGGCTG AGGAAGGTCTTTCTAAGGTAGAGTGTGCACATGTTTCCATGAGGAGAAAAGAGCAGCACAGGGAAGTCACCCCTTGGGAAAGGGCGGCTTAGAGAGC GTTGGTGGGTGGACCСACTTTTTCCAGGAGCACCСAСССССТСССAСTGCAGGTGTGAGAAAGAGACCAGCAGAGGTGCAGCAGCTTCTGAGAAGCTC CGTGAGGACCTGAGGTTGGGCATTGCAGAAGAGCAGAGGCGTAGCCATGAGTTGTCTCTAACTTTGCTCAGACATTATGTGCATCAGCTGAGAATTCA CACGCCTAGGTCCTTTACTATGAACTCTGAGGAAAACCGAGCAGAGATCTGGAGGCAGGAACTGAAGTGGAGAACACAGAGGAGCGCTGTTACCTGC TTGСТСССAGGTTСATGTTTAGCTAССТTTCTAATACAGACCAGGGCCACCTGCCCGAGGATGGTATTGCCCGCAGTGGGCTGGGACCTCTTACGTGGA СТАТТАAССAAGATGATGССССТAСAGAСATGСССТAAGGATAACTGGATGGAGGCAGTTTCTCCATTGAGGCTTCACCCTCTGAACTATATCGAATTG GCAATCAGATCTTGCAGAGGCCTGAAGTACAATTTCCTGTAGCTCCAACTCCAAGGAATTTGAACGCTCTCCTGGCCTCTGAGGGCACCATCTCTCATG TGCATGCACACATAATCACAGGAACACAGTACATGTATGTGCACATGCATACACACATGCATTCATGTGCACAAGTGCACATGCGCACATACAGACAT AСАAATAAAAAAGAGCCCGATATTAAAAAAAAACAAAAAACAGACCTATCATGTGTAACAGCTTTTAGCTGAAAGGATTGGGGAGTCACTCTGTGGG GTGATCAGGCTTCTTCGTCTGTGACGAGGAACCCAAATGAGGCTCCCTCTGAAGAGAGATGGAGTGTGAAGAGTCAGTAATCAGGTGTGCTCTGGAGA CAGTAGAAAAACACAAGAGAAACGCTGGGAGCGGATGAGGTGACGAAACACGTAAGACTGTAGAGAAAAAGGGACAGGTGACCTAGTGGGCAGCGA CAGGCGTGGGTGGGGGGCAGTGAGGTCATGTGACAATCCACATCAGGTTTCCAGGCAATACAGGCTGAGACTCCATGGGGGCTCTGTACCTTCACAAA ACACCTTGACTGTGAGACACACGGTAGAGTTCAGATATAAAGGCAACACCTTCATTTGGATGCTGGGAAGGGTCGTGACAGTGGAGAGCAGAAATTCA GGATGCTTCCCTCTCGGGAGGATGGGTTCTGGATGTCAGAATGGGCCGAGTGATGTACTACCCGTCTAATAGTCACAGTGTTCCTCGGCAGTCTTGCTA ATTGTGAAAGGTTAGGTACTGTTTACATGAATCTGGTTTTGAGTTTTGTACCTAAAGTTTCCCCACGTGTACGCTTAATTATAGCTAGCCCACGTCCCCA GTCСССАТССТСАTAAGCCGGGAGAGTCTTGGCAGGAACGACTGAGCACAGAGGTCTCTTGGTCGTGGCTTCCCCTGCAGCCTCCTTTCTGTGGTCCCT GTTTTTGCAGGGTTTTCGATTTGCTGCTCATCTTGTTTGCCTTCAGCTCTTAGCATGAATCCAAGTGTTTGGTTCTTTCCCTCCGCTTTTATTGTTCTACCT GGGGCAACTGCTTAGGCCCTAAAACCACACAGAGAAATCAACATAAGAGAATATATTTTGTTTTAACTTTTTTTTTCTTTTTCAAGTTTTCCGGCCACCA GGCCCATCGCCTGTTTCACCCCAGGACCCTGTGAAGTCCAACAACGTGGTGACCGTCACAGGGATCTCCCTGTGCCTGTTCATCATCTTTGCCACGGTG СТСАТСАСТСТСTGGAGGAGGTTTGGCCGAGCССССAAATGCAGCACGCCCGTTCGCCACAACTCCATCCATTCCCCTGGCTTCCGGAAGAACTCCGAT GAAGAGAACATCTGCGAGCTGAGTGAGCCTCGCGGAAGCTTCTCGGATGCCGGTGACGGACCTAGGGGAAGCCCAGGGGACACGGGCATCCCATTGA CTTACAGGTGCAGTGCATCAGCGCCTCNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNAGGGCTGACCGAGACCACC AAAGTGTACCACGTATCTCAAAGCCCCCTGACAGACACTGTAGTGGATGCCACGGCCAGCCCTCCCTTAGACCTGGAATGCCCCGAAGAGGCTGCAGC AAGCAAGTTCCGAATCAAATCTCCATTTCTGGACCAGCCTGGGGCAGGTACCGGGGAAAGGCCTCCCTCCAGGCTGGATGGCATCGTGCCTCCTCCTG GCTGTGCGGTCAGTCCCAGCCAGACCCTGATCCGAAAGTCACAGATAAGGTCGACCGGTGGCAGAGATGGCTCATCGGAGAGGTGCCACTCCAGAAG TTСССТСТTСAGGAGGACTGCTAGTTTTCATGAAACCAAGCAGTCTCGCCCTTTCCGGGAGAGGAGTTTGTCAGCCCTGACTCCCCGCCAGGTCCCCGC CTACAGTTCCAGGATGCGGACCTGGGACCAGATGGAGGATAGATGTCGGCCTCCCAGTCGAAGTACCCACCTGCTTCCAGAGAGACCAGAGCACTTCC AAGGGGCAGGTCGGACCAGCAGTCCTTTGGGTCCACTCTCCAAATCCTACACTGTGGGGCATCCCAGGAGGAAACCGGACCCAGGGGATCGTCAGGCC

GGATTGGTGGCAGGAGCTGAGAAAATGGAGCCTCACCGAGCTCACAGGGGACCGTCCCCCAGTCACAGGAGTGCCTCAAGGAAGCAGTCTTCCCCCA TTTTCСTCAAAGATAGCTACCAGAAAGTCAGTCAGCTTAGCCCTTCTCACTTCAGAAAAGATAAATGCCAGAGCTTCCCCATCCACCCCGAGTTCGCCT TCTATGACAATACCTCTTTCCGCCTCACCGAGGCTGAGCAGAGAATGCTGGACC

## Selection Cassette: LacZ/Neo

GGCCATAGCGGCCATTTAAATGGCGCGCCGGTATCCCGGGCCGCTCTAGCTAGACTAGTCTAGCTAGAGAATTCCGCCCCCCCCCCCCCCCCCCCTCTC ССТССССССССССTAACGTTACTGGCCGAAGCCGCTTGGAATAAGGCCGGTGTGCGTTTGTCTATATGTTATTTTCCACCATATTGCCGTCTTTTGGCAA TGTGAGGGCCCGGAAACCTGGCCCTGTCTTCTTGACGAGCATTCCTAGGGGTCTTTCCCCTCTCGCCAAAGGAATGCAAGGTCTGTTGAATGTCGTGAA GGAAGCAGTTCCTCTGGAAGCTTCTTGAAGACAAACAACGTCTGTAGCGACCCTTTGCAGGCAGCGGAACCCCCCACCTGGCGACAGGTGCCTCTGCG GCCAAAAGCCACGTGTATAAGATACACCTGCAAAGGCGGCACAACCCCAGTGCCACGTTGTGAGTTGGATAGTTGTGGAAAGAGTCAAATGGCTCTCC TCAAGCGTATTCAACAAGGGGCTGAAGGATGCCCAGAAGGTACCCCATTGTATGGGATCTGATCTGGGGCCTCGGTGCACATGCTTTACATGTGTTTAG TCGAGGTTAAAAAAACGTCTAGGCCCCCCGAACCACGGGGACGTGGTTTTCCTTTGAAAAACACGATGATAAGCTTGCCACAACCATGGAAGATCCCG TCGTTTTACAACGTCGTGACTGGGAAAACCCTGGCGTTACCCAACTTAATCGCCTTGCAGCACATCCCCCTTTCGCCAGCTGGCGTAATAGCGAAGAGG CCCGCACCGATCGCCCTTCCCAACAGTTGCGCAGCCTGAATGGCGAATGGCGCTTTGCCTGGTTTCCGGCACCAGAAGCGGTGCCGGAAAGCTGGCTG GAGTGCGATCTTCCTGAGGCCGATACTGTCGTCGTCCCCTCAAACTGGCAGATGCACGGTTACGATGCGCCCATCTACACCAACGTGACCTATCCCATT ACGGTCAATCCGCCGTTTGTTCCCACGGAGAATCCGACGGGTTGTTACTCGCTCACATTTAATGTTGATGAAAGCTGGCTACAGGAAGGCCAGACGCG AATTATTTTTGATGGCGTTAACTCGGCGTTTCATCTGTGGTGCAACGGGCGCTGGGTCGGTTACGGCCAGGACAGTCGTTTGCCGTCTGAATTTGACCTG AGCGCATTTTTACGCGCCGGAGAAAACCGCCTCGCGGTGATGGTGCTGCGCTGGAGTGACGGCAGTTATCTGGAAGATCAGGATATGTGGCGGATGAG CGGCATTTTCCGTGACGTCTCGTTGCTGCATAAACCGACTACACAAATCAGCGATTTCCATGTTGCCACTCGCTTTAATGATGATTTCAGCCGCGCTGTA CTGGAGGCTGAAGTTCAGATGTGCGGCGAGTTGCGTGACTACCTACGGGTAACAGTTTCTTTATGGCAGGGTGAAACGCAGGTCGCCAGCGGCACCGC GCCTTTCGGCGGTGAAATTATCGATGAGCGTGGTGGTTATGCCGATCGCGTCACACTACGTCTGAACGTCGAAAACCCGAAACTGTGGAGCGCCGAAA TCCCGAATCTCTATCGTGCGGTGGTTGAACTGCACACCGCCGACGGCACGCTGATTGAAGCAGAAGCCTGCGATGTCGGTTTCCGCGAGGTGCGGATT GAAAATGGTCTGCTGCTGCTGAACGGCAAGCCGTTGCTGATTCGAGGCGTTAACCGTCACGAGCATCATCCTCTGCATGGTCAGGTCATGGATGAGCA GACGATGGTGCAGGATATCCTGCTGATGAAGCAGAACAACTTTAACGCCGTGCGCTGTTCGCATTATCCGAACCATCCGCTGTGGTACACGCTGTGCGA CCGCTACGGCCTGTATGTGGTGGATGAAGCCAATATTGAAACCCACGGCATGGTGCCAATGAATCGTCTGACCGATGATCCGCGCTGGCTACCGGCGA TGAGCGAACGCGTAACGCGAATGGTGCAGCGCGATCGTAATCACCCGAGTGTGATCATCTGGTCGCTGGGGAATGAATCAGGCCACGGCGCTAATCAC GACGCGCTGTATCGCTGGATCAAATCTGTCGATCCTTCCCGCCCGGTGCAGTATGAAGGCGGCGGAGCCGACACCACGGCCACCGATATTATTTGCCC GATGTACGCGCGCGTGGATGAAGACCAGCCCTTCCCGGCTGTGCCGAAATGGTCCATCAAAAAATGGCTTTCGCTACCTGGAGAGACGCGCCCGCTGA TCCTTTGCGAATACGCCCACGCGATGGGTAACAGTCTTGGCGGTTTCGCTAAATACTGGCAGGCGTTTCGTCAGTATCCCCGTTTACAGGGCGGCTTCG TCTGGGACTGGGTGGATCAGTCGCTGATTAAATATGATGAAAACGGCAACCCGTGGTCGGCTTACGGCGGTGATTTTGGCGATACGCCGAACGATCGC CAGTTCTGTATGAACGGTCTGGTCTTTGCCGACCGCACGCCGCATCCAGCGCTGACGGAAGCAAAACACCAGCAGCAGTTTTTCCAGTTCCGTTTATCC GGGCAAACCATCGAAGTGACCAGCGAATACCTGTTCCGTCATAGCGATAACGAGCTCCTGCACTGGATGGTGGCGCTGGATGGTAAGCCGCTGGCAAG CGGTGAAGTGCCTCTGGATGTCGCTCCACAAGGTAAACAGTTGATTGAACTGCCTGAACTACCGCAGCCGGAGAGCGCCGGGCAACTCTGGCTCACAG TACGCGTAGTGCAACCGAACGCGACCGCATGGTCAGAAGCCGGGCACATCAGCGCCTGGCAGCAGTGGCGTCTGGCGGAAAACCTCAGTGTGACGCT CCCCGCCGCGTCCCACGCCATCCCGCATCTGACCACCAGCGAAATGGATTTTTGCATCGAGCTGGGTAATAAGCGTTGGCAATTTAACCGCCAGTCAGG СТTTCTTTCACAGATGTGGATTGGCGATAAAAAACAACTGCTGACGCCGCTGCGCGATCAGTTCACCCGTGCACCGCTGGATAACGACATTGGCGTAAG TGAAGCGACCCGCATTGACCCTAACGCCTGGGTCGAACGCTGGAAGGCGGCGGGCCATTACCAGGCCGAAGCAGCGTTGTTGCAGTGCACGGCAGAT ACACTTGCTGATGCGGTGCTGATTACGACCGCTCACGCGTGGCAGCATCAGGGGAAAACCTTATTTATCAGCCGGAAAACCTACCGGATTGATGGTAG TGGTCAAATGGCGATTACCGTTGATGTTGAAGTGGCGAGCGATACACCGCATCCGGCGCGGATTGGCCTGAACTGCCAGCTGGCGCAGGTAGCAGAGC GGGTAAACTGGCTCGGATTAGGGCCGCAAGAAAACTATCCCGACCGCCTTACTGCCGCCTGTTTTGACCGCTGGGATCTGCCATTGTCAGACATGTATA CCCCGTACGTCTTCCCGAGCGAAAACGGTCTGCGCTGCGGGACGCGCGAATTGAATTATGGCCCACACCAGTGGCGCGGCGACTTCCAGTTCAACATC AGCCGCTACAGTCAACAGCAACTGATGGAAACCAGCCATCGCCATCTGCTGCACGCGGAAGAAGGCACATGGCTGAATATCGACGGTTTCCATATGGG GATTGGTGGCGACGACTCCTGGAGCCCGTCAGTATCGGCGGAATTCCAGCTGAGCGCCGGTCGCTACCATTACCAGTTGGTCTGGTGTCAAAAATAAT AATAACCGGGCAGGCCATGTCTGCCCGTATTTCGCGTAAGGAAATCCATTATGTACTATTTAAAAAACACAAACTTTTGGATGTTCGGTTTATTCTTTTT CTTTTACTTTTTTATCATGGGAGCCTACTTCCCGTTTTTCCCGATTTGGCTACATGACATCAACCATATCAGCAAAAGTGATACGGGTATTATTTTTGCCG СТАТТТСТСТGTTCTCGCTATTATTCCAACCGCTGTTTGGTCTGСTTTCTGACAAACTCGGAACTTGTTTATTGCAGCTTATAATGGTTACAAATAAAGCA ATAGCATCACAAATTTCACAAATTTAATTAAGGCCGCGGGATCGATCCCGTCGAGCAGTGTGGTTTTCAAGAGGAAGCAAAAAGCCTCTCCACCCAGG CCTGGAATGTTTCCACCCAATGTCGAGCAGTGTGGTTTTGCAAGAGGAAGCAAAAAGCCTCTCCACCCAGGCCTGGAATGTTTCCACCCAATGTCGAG CAAACCCCGCCCAGCGTCTTGTCATTGGCGAATTCGAACACGCAGATGCAGTCGGGGCGGCGCGGTCCCAGGTCCACTTCGCATATTAAGGTGACGCG TGTGGCCTCGAACACCGAGCGACCCTGCAGCCAATATGGGATCGGCCATTGAACAAGATGGATTGCACGCAGGTTCTCCGGCCGCTTGGGTGGAGAGG CTATTCGGCTATGACTGGGCACAACAGACAATCGGCTGCTCTGATGCCGCCGTGTTCCGGCTGTCAGCGCAGGGGCGCCCGGTTCTTTTTGTCAAGACC GACCTGTCCGGTGCCCTGAATGAACTGCAGGACGAGGCAGCGCGGCTATCGTGGCTGGCCACGACGGGCGTTCCTTGCGCAGCTGTGCTCGACGTTGT CACTGAAGCGGGAAGGGACTGGCTGCTATTGGGCGAAGTGCCGGGGCAGGATCTCCTGTCATCTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGG CTGATGCAATGCGGCGGCTGCATACGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAGCACGTACTCGGATGGAA GCCGGTCTTGTCGATCAGGATGATCTGGACGAAGAGCATCAGGGGCTCGCGCCAGCCGAACTGTTCGCCAGGCTCAAGGCGCGCATGCCCGACGGCGA GGATCTCGTCGTGACCCATGGCGATGCCTGCTTGCCGAATATCATGGTGGAAAATGGCCGCTTTTCTGGATTCATCGACTGTGGCCGGCTGGGTGTGGC GGACCGCTATCAGGACATAGCGTTGGCTACCCGTGATATTGCTGAAGAGCTTGGCGGCGAATGGGCTGACCGCTTCCTCGTGCTTTACGGTATCGCCGC TCCCGATTCGCAGCGCATCGCCTTCTATCGCCTTCTTGACGAGTTCTTCTGAGGGGATCGGCAATAAAAAGACAGAATAAAACGCACGGGTGTTGGGTC GTTTGTTCGGATCCGAATTCCTCGAGGGCGCGCCATTTAATGGCCAGCGAGGCC

## Targeted Locus:

ACCTCAGAACGTTTATTAGCACAGTAGGAGGAGTTAGCTAСTСTTAGTСTСTAGTСТСATCTCTTAGACATCTGGAGGAGGAAGCTGCAGTGGCTGGTC TTTGCACACACTGATCAGTTACTCATAAGTACTCGTATTCAGGCTCCCGAGGAGAGCTTTGCCATTCCTCTGGAGCCTGACCCATATGGGTAACAGCTTT GCCAAATTATGACAAGACAGTTGGCTTTGGAGTTGTTGACAGGCTGTGCCCATCCGAACACACATTCACTCACAACCTCCAGTCCCTACAGCCAATCAT GTGACACCTGCTTTGACTCCTCACTGTCCAACATCACCGAATGCACTCAGGACACTTCTAATTGTTAAAATTCACTAGGTGACTTTCGGGTCAACAGGT CCGTCCTTCCAGGAGGCTTCTCAACCAGCTCAGCCTGTCTGAGATCTGCCTTGCCTTGCTCAAATTCTAAGGCATGAGCCGTACCCACAACATAAGAGG AAAAGTCAGATTGCTCACACGTAAGATCCTGATTTCACAAGCTGTTATTATCAGGTGAAAATTGGGTCATCTATGTTCTCCCTTGTGTCCTGATGTGAAA TCGTTATGATTTCCAGATCATTGCTTATTAAAGTAAAGAACATTTGTATACAGGTGGTTATTAAGAGTATACATTTTATAGTTGCACAGGTCACTAGAAT ATTCGCTGACTCACAAAGAGTTCAGTGAGTAGGGGAACTTGGCCCTGCACATGCTAGGTTAAGTGCGCTTCCACTGAGCTATCTTCCTAGCCAGCATTC AGTGTATGGTGAAAGCCAGTTTGAGTTCAGTCCTGAGGTCCTACCACTGTCCTTCCTCTGATGTTACCTTTATTTCAGAAAAGATTTATATCATGTTTGT CTCATAAAGACAGTAATACAGGGTCTTTGTTGGTGTTTCTATTGCCATGACCAAAAGCAGTGTGGGAAGAAAAGGGCTTATTTCAGTACAGTCCATCAC

TGAGGTAAATCATAGCAGGAATCTGGAGGCAGGAGCTGATGCAAAGCCACGGAGGGTGCTGCTTACTGGCTTGCTCAGTCTGCTGTTTCATAGTACCC AGACCCATCAGCCTAGGGATAGCCCCACCCACAATGGGCCCATCAATCACTAATTAAGGAAATGAGCTATATAGGCTTGCCTATAGTGTGATTTTTATG GAAGCATTTTTTTTTAATTGAGGTTTCAGATGACTCTAGCTTGTGTTAAGATGACATAAAACTAGCCAGGATAGTCAGTTTCTCATGAACTATAATTTAA AATGATGAGACATTTCAATAAGGCTGATACATTTTTTAAAGGATTTTTTATTACATTTTGTTTTTTTAACATTTCAAATGTTATCCCCTTTCCTGGTTTCC ССТСТGAAAAСССССАССССТТТСССССТСТСССТGСТСАССААСССАСССААТСССGСТТССТGGСССTGGСATTCСССTACACTGGGGTATAGAACCT TCACAGGACCAAAGGCCTCTCСTCССATTGATAACCGACTAGACCATCСTCTGCTACATATGCGGCTAGAGCCATGAGTCCCAACCATGTGTTTTCTTT GGTTGGTGGTTTAGTCCCAGAGAACTCTGGAGGGTACTGGTTAGTTCATATTGTTCTTCCTATAGGGTTGCAGACCCCTTCCGCTCCTTGGGTACTTTCT СTAGСТССТTСATTGGGGACCCCGTGCTCCGTCCAATGGATGGTTGTGAGCATCCACCTCTGTATTTGTCAGGCACTGCAGAGCCTCTCAGGAGACAAG GCTGCTATTTTTAAAATGCATGTAAGATTTAAGTCTCACAACCAAAAAGTGACCTTTTTTTGGTGAGAGTGTCCTTGGGAAGGTTAATACAGAGCAAGG TGCСTTTTGTGTTTCACTGACTCСССАСAAAACTTTAACTGСTATATTCСTTTTATTGCAGAGGAAAGCTGGGATTGGGCAACTCAGGGCTACCTGGAAT CACCAAGTGCGACCATAAGACTTTACCCGCTGAACTCTACACAGGCGCTTCCATTGAGATTTTTTTAAATTGCATTTTGTTTTTTGTTTTCAAAACCAAT AGTCCCAGGAACTATCTGATGTTCATATGGCAGGCACGAATTTGAAAGGGATCCTACCTTGAGCTGATGAATGACAGAGCAGATCGTATTGACGGCAG TGAGAACTTCCTTGGTCACTTGGTTGATTACTCССTAGAAAAACTTGACCTTTGATGGCATCTAAGTGACTGCGCTGTCTTTTAAGATCAACTTTCTGCA ACTGGCATAATCTCCAAACTTGAGGCGAAATTTACAAGCCAACCATTGGCTCССССTCACCAACTTGCTAAGCAAGAGCTCCGCTGCTGCTCTGTATGT AGTGCCTCGCCCACAGTCTGCCTCCAGGAACAGGCTCTCGTTTGTACAGTCCAGGCTGACCAGGTATGTGAAATCCTGTTTCCCCAGTTCCTGAGATTA CAGGCACATGCCCCACATCCAGTCTCATGGGTCTGACACATGCACAGTAAATCCACACAACTCGGTCCTAACATGCTTCACTCCTCGAGAGTTTCCTGG TAССТСTTGCTGGGTGCTGGCCATCTAGAGGCTATGCTGATTTCTATTACTAAATTTGTCTGTTAAGTGGTTGTTACACGCAAAAGAAAGCTCACTGCAC AGCGCTGGATGGCAAGTGCAGCTGTTAAACCACGTGAAACGTAGCCTCCGGTTCTTTCAGAAAGAAAATACTTGTAGAATAGACTTTTTTAAATGTTTA TTTTTAAAATGTTTAATTAACCAAGTTTTGCTCCAGAGGAAGAGAAAGGAAAATGCGCTTTATCTGAAGTATATTCCTTTCAAACTCCAGTGACATTTG GGGGAGCAAGTTTAGAAATTACCCATACCACTTTTTGGCTCTTCTTGTGATCACCCTCCAAAAGAAAATGACATGGGGGAGAAGTGAATGGTTTAAGT GCAAGGCTGCTGGCTCTCTCTTAAAGCACTGGGTCTTTGCAGCGGGAAGTGGACTGTGGGTGTAAATACGTGCTGCACTAGCAGCGACCACACCTCCTA GCAGGGCCTCTGGACCCAGAGTTTCCTGCAGGTTTCCTCTCCACAGGGCAAGCTAGGGGCGGGCAGGAAAGGAAGATGCGCTGCCCAGGAGTGGGAG CGGGGCGGACCTCTTGCGCTTGACCCCCGCCСTCTGAGAGCCCGCCTCGGGGCGTGGTCCCGGCAGCCTGGGAGCGTGCCGGAGCTCTGGACCCGGGC GGGCGTGCAGCTGCGGGACGGGAGATGCTCGGTCAGTCACCCTGTGGCCGCTGAGGCTCCCCTCTCACTTCCGCCGTGCCAGACAGACCCGACCCGAG GTAAGGATCCGAAGCTCAGGTGGCCCACCACCAGGGCGGGCACCTGGCGCAGGCGTGGCCGAATGACGGGACTCTCAAAGGCAGGAGTTCAGATTGG AACCTTTGGAAACTCAACGTTGCGACATACGTTTGTGGCTTTCCAAAAGTCTCTTTCTGGGATACTAACAATAAGCAATGACCTCAGTAACAAGTTTTA TGCTGACTACCACTGGACTGGGTTTGCACCCGGGAACTTGAAGCACCTCTGGAAAGTGAGTTGGTAGGAGAGCAGGGCTTCACGGGGGACGCACAGCT CACCCCATGGTTGGGATAGAGAAAGCTTGTTCAGAAGCGCAGCTCTGGGATCCAGATTGCCTCCTAACAGACATTATTCCTGGATCTATACACAGAAG ССTTGСTTGTGAAATTACTTTGTTTCTССТТСТАТТСТTTTATTTTССТССТTTTATTСTTTAACGATGTCCTGTGGATATAAATTAATTTTCCTTTGTTGTC GGCTATGAATCATTTAGCTGCTTTCTGAAAAGCTTGGCTTTAAGGGGGGGAGGGGGTGATTCTGTTAGCCATTGAGAATATCCACACACACTTTTCTCC АСТТTСTCGGCTGGGAСTTTTAСTGTTTTTСТTAGСТССАAAGGTTCAAACCCAGGGTCTCTCACATGCTAGGCAAGTCCTCTACCACCCAAGCCCTATA CAAAGCATTTCAAACATCTTGAAAATGTTCССАСТТТССТАСТTTCTTAAAATGATTCTCAGCACCAAACATTTTACTCAGCAACTACTCAGGGAATTGG GGACGTGGTGAAAAAAGGTAATAATCAGTAGTGCCCCСTCССATTTTAGAGGCTTATTATAATCATCATCATAGTGCATGCCCTAATGCTCAGGTAGAC TGCGTTCTATAATTCCATCTCTGTCCAGCTCTAAGTACAGATCATCACACAGGTCTGTATTTAACCACCCATCTTCATAAGCAAGAAAATGCAATCACA GAATCAGTGATGAGAAAGAGTTTTAAGAAGAATATTATCTCCGAGAAGCAAGCCATCCAAGAAAGCTGAGTTCACCTTTCCGGAGGCCGCTGCTAGGT GGTGTCCTATTATGTTGTCTAGGCTGGTCTCAGACTCCTAGGCTTAAGCCATCCTCCTGCCTCAGATTTTGGGGGGAGCTACAGATGCTGGGGCCACCA TGGGATGCTTCCTCTGAGTCTTTCATCTGAAGTCTTAAAGTCGTGTTCCCCATCCAAATTCAAGGTAATGATTAGATCAAATCCAAGGCGACTTCCACTA AAACAGAATTTCCTTTTTTGATGCGCTGAGGAAAGGAAGGGAGGCCAATCATCTGCATAGTTAAGCTGCAACCCCCACCCCTTCGTTTTCAGGAAGTGC AGAGTTTCСTTTGTTCTCСTAGСTСTTACTGAACAAAAGCTAATAGAGACACACCAGCTTCCTTCCCACTGAGTGGTGGCTTGTTTCAATCTGCCTGCTT AACTCTGTTAATTCTGTCTTCTATCAGAAGGTATGGAGTCTGTGTTTGCAAAGTTATACACGGGTAGAGATGCGCTTCAGTGGTAGAGAGCTTTCGTGG CCCACATGAGGCCACAAAGAAACTGTTATCTATGAATAACAAGGGACAGTAAGCATTAAGAAAGCATATTTTTTGGTTATGCTTAATAGAGCAGTTGG ATTACTAGATTCTAGTACAAAGAAACTACCTTTAAGCGACCCAAGGCTTATTCTGTAGTACTCTAGTATTTCTATCCAGGTACAGTATCCCTTCCTACAA TTCACCATGAACCTCAGGCCAGTAAGGTCTTCССTTGCCCACCTACGTGGTCTGGGAAGATTGCTGCATGAATCAACCATCCCCTGATGCATATCAGCA CСACTCATTGGAAGGCTGACAGGGGAAGGTAATTTTTATTTGTCTGTTTTCTCCATAGACTACCCAAACAAGAAAAGCAAGGCCAGATAGAGTTCACAT AAAGTTGTAATATACTGAGTGTCTATTGTTTTGTTTTGTTTCTCATTTTGTTAAAAATTAAAAACATTTTTTCTTTTATTGAAAATAGATATTTTCCCCTCA TAСААТGTATCСТGATTAСАGTTTССТСТТСССТGСТССТСССАGТТССТССТСССТАССТССССТСССАТССАGАТСТАСТАСАСССТТТСТGТСТСТСАТ TAGAAAACAGGCAACTAAGGAATAATAATAAAATAACATGTAAGAAAAACAAATCAACATATAACAAAATAACCAAACAGGAAAAAGAACCAGAGA AAAAGAACAAGAAATGCACAGAGACAAAGAGACACACACATTCACATTCATACTCACAGGGGTCCTAGCAACACTCAAAACCAGAAGAAACACAAT ATATATGCAAAGGAACTGTAAGGCTAAAAATAAAAAGAGCCGTGACTTAGCATAATGAAACAAAGACCCTCCAAAGATAGCACTGAGTTCATTTTGTG TTGGCCATCTACTGCTGGACATAGGGTCTTACCCTTAAGCGTGGTTAGTTTCCCCAGTGAGACTCCCTTGGAGAAAACTACATTTTCATTTGCAAGTGGC TATCAGTTGGAGATGGCTTCTGAGTTAGGGATGGGGACTATGTCCAСTTCTCTCAGCTCTCAGATCCCATTTGATGTAGACTTGTGCAGGACCTGTGGA TAСATCСТССАТСТСТGTGAGTTCACATGGGTACCAGCCCTGCTGTATCTAGAAGGCCTCAATTCATTGATGTCCCTCAGCCCCTGTCTTTCTAGTCTTTC TGTСТТСТСАТТСТСАGTTCССTGAGСССTGAGGGGAGGGATTTGATGGAGACATCCCATTTAAGGCTGAGTGTTCCGAGATCTCTCACTCTCTGCATAA AААТААТТТТАТСGТАССАТGTGTTTTAATCАСАТТСТССССССССССССАGСТТСТСТGАСТТТТСТСТССААССААТТТСАТGСТСТСТТТТТСТGССТС TCAAACAAAACAAAACAAAAACAAAAACAAAAATCAAAACAAACAAGCATTAAAAAAAGTGATTAAGAAAATTACCAAAAACAAAACAAAAAGCAC ACACAACCCACAGAGTTCGTTTTGTATTGACCAGCTACTCATGAGTCAGGGTCAGTCATAGAGTATAGCTGATATACCCAGTGACTCCATCAGAAAAAC CTGATTTTCСTTCCCGGCAGGAACTTAGTTGCTAATGGTGTCTTGGTTAGGAGTGAGACTTTGTGTCTACTTTGTCTGGTTTGCACTTATGCAGCTCTTGT GCATGCCTTCATAGTCTCTGTGAGTTCAAATGTGGGCCAGCTCTGTTTGAAAGACACTGTTTCCTTGGAGCCTAGCACCACCTCTGGCTCTTACAATCTT TССАССТСТТСТССАТАGATСССТGTGССТTGAGGGGAGAGATTTTTTTTTTCAAGGGGAGCTCTAACAAAGTTCTATTAAAGGGAAGCTTTCTTGTTTA СTТСТСАСTAGССТGTTCTGGCATGCTTCTAATAATATCAGAATCACCTGTGTCAATGATAGCCAGTGTATATACTCTGTAGTATTTTCCACACGCTGTG CССАATTCAATATTATTGCCACTGTAGTGATGGACACCAGTTTTAGCCAACATGACATAGTATTCTATTTCAGATTTCCTCAAAGCTGGGCAGTTGTTGG CGAGGATAACCAACTTCGCTTTGCCTTGTCTGAGCATCTTCAGAGTCTGTCCATACCCCAGCATGTACTTTCCATTTTTTCATAACAAGCTGGAGCCTAG
 CAGGGAATGAGAAAGGCTAGGGGAGAGATTTGATGATGACATCCACTTAAGGCTGAGTGCTTCAATGTCTCTCACTCTTTGCACATTGCCCAGTTGTGA GCCTCAGTGTTAATTCTCTGATGGGAACAAGCAAGTCACTAATCTTGGGCACAGCAATATTTCATCAGAAATGATTCTATTGCTAGGTTTCTTCAGCAG AATAATAGGTTTTTCССTAAGACCCATAACCTATCTAGTCTTAGGTTCTTGGTCACTTTATCAGTGTCACATATGTGTTCCATGTCATGGAGGGGCCTTA AATCTAGTCAAAAAGAGATTGGTCACCCCCATAATATTTATGCCAATGCACCAGTATATAGTGCAGGCAGGTGGCTGTTGTAGGTCAGAGGGTTTGTA GTTGGGAGATATTGACAACTGATGATTCTCCTCTAGTGGTGGGCACAATACCATAAACTCCAGTCAGAAGAGGTGAAGTTTCTAGTTAGGCACCGGCTT GAATTCTCCATATTTGATGGCATATGTACGTTGTGCСTTCAGCAATAAGACCTCACCATCAGGTTATGAGGGGCAACCAATAGCCTTGATAATAGTCTG TGATGTTTGGGGGACTCCTTTGGCCAACAGATCAACAGAATGTAACCCGTTCTTGGCATTGGGGGAGGGGGAGTTACTCTGTGGCATAAGACATCTAGT TGGCCATTGTCTCCCACAATAGAGGGTAACTCСATTTAAATCCTTTCCATAGATGTATGTGAGGAGGCGTCTGCAGTAGTCGGCTTCATTCATATGGCTT

 ATATATCTAAACTTGAAAGGAGAAAACATACACTATTTGTCTTCTGGGGCCCGGGTTACCTCACTCAGGATGGTCATTTCCAACTCCACCCATTTACCT

GAAAATCCCATTTTATTTAAAAGCTTACTAATATCCCATTGTGTGAATTTACTACATTTTATTATCTATTCATCACTTGGTGGATGTGTAGACTGTTTCTA ATGTCTGGCTATTATGAATGAAAGCAGTAGTGAACATAGATAAACAAGTACCACGGAAATAAAATGCCGAGTCCTGCCTTAGTTTGGGTTGCCATTAC TCTGATGAATAATGGTCAAAAGCAAGCTGGCAAGAAAGGTCTTAACTGAGTTATATTTCCACATCCATAGACGATCCGTGAAGGAACTCAAACAGGGC AGGAGCATGGAGGCAGGAGCTGATGGGGAGGACATTGGGAGTTCTGCTTACTGGCTTGCTTATCATGGCTTGCTCAGTCTGCTTTCTTATAGGACCCAG AATTACCAGCCCATGGATGACACCACTCACAATGTGCACTACCCACTTCAATTACTAATGTCCTAAGACTGGATTTTAGGAAGGCATTTTTGTTTTTCAA CCAAGGTTTCСTCCTTTCAAATGACTAGCTTGTATCACGTTGACATAAAACTAGCCAGCACAAGTCCTTGGGGTATATGCTCAAGAGTGGTATAGCTAG ATCTTGTGTTGATCAATTGTCAGCGTTTTGAGGAACCTCCACACTGCTTTCCGTAGTGACCTTACCAGACCCCACTCCTACTGGCAGTGAGTGAGTGTCC ССТTССССTGСAСTTTGGCCAGCATGCACTGTCATTTGTTTTATTAATCTTGGCCATTCCGATGGAGGTAAGATGCAATCCCAAAGTAGTTTCAATTTTC ATTCGTTGATGGCTTAGGATGTTGAACATTTTGAAAAGCGTTTTTGATCCATTTGTATTTCATTTTTAGAGAACTTCCTGTCTAGTCCTGTACTCCATTTT TAACTGGATTATTTGTTTTCTTGATCGGTTTCTTGAATTCCGTAAATATTCTAGATACTAGCCGTCTGTAAGATGTAGAATGGGTAAACATTTCTCCACA TTCTGTATTCTGTTGCTTGGTTCGAATGATGCTATACAGAAGTTTTTTTGGTCATTTATTAACTTTATAAAAAAGTTTTTTTTGGTCATTTATTAACTGTTG GTCTTCTGACATTTGACAAAAATTATACGCTGTTTAAAAAAAAAGAGAGCGCCTTCAATAAATGGTGCTGGTCAAACTGGGTGACTTCATGTACAGGA ATGCAAATATTTCCATATCTATCATCCTGCACAAAGCTCAACTTCAAATGGATCCAAGACCTCAACATGAGGCCAGAAACCCTAGATCTGATGGAAGC AGGAGGGTGATAGTCTTGAACTCAATGGCACAGGACAGAACTTCTGAGCAGGACACGGACAGCGTAGGCACTAAGACCAGCAATAAAACAGGACCTC AGAAGCTGAAAAGCTTCAGTAAGGACACTGTCTTAGTTAGGGCTTTACTGCTGTGAACAGACACCATGACCAAGGCAACTCTTATAAAGACAATATTT AATTGGGCTGGCTTACAGATTCAGTAGTTTAGTCCATTATCATCAAGGCAGGAACATGGCAGCATCCAGGCAGGCATGGTGCAGGAGGAGCTGAGAGT TCTACATCTTCATCTGAAGGCTCCTAGAAGAATACTGACTTCTAGGCAGCTAGGATGAGGGTCTTAAATCCCACACCCAGAGTGACACACCTACTCCAA CAAGGCTACACCTCCTAATAGTGTCACTCGCTGGCCCAAGCATATACAAATCATCAATGACACCATCATTTGAGCAAGGCAGCAGCCTACAGAACAGG AAAACGTCTTTACCAGTTATACATCTATAGAGAGTTAGTTTCTAGAACATATAAAGAATTTTAAAAAAACAAATGAGAAAATAACCAAGTTTAAAAAA AGAAAAAGAGGCACTGAGCCTACCACAAATTCCTCAAAAGATGAAGCACAGGGGCTGAGAAACACTTTTTAAAATGTTCAACATCCTTAGCCATCAGG TTCCTTATGAAGCTTGGAATTGATCTACCCATGATCCAGGGCACATATCCAAAGGACTCAGCTTTATTAGAGAGAAACTTCCTCACCCATGTTCATTACT GTTCTAGTCACAAATAAGCAGGAACAGGAAGCAGTCTCGATCTCCATTAACTGACGGATGAGTGGATAATGGAAACATGATACATTTAAACAATCAAG TATTTGTTAATATGTTTTAAAAATGGAATATCTGTTAAAATTCCTAATTATGACATTCACAGGTAAATGGATGGAACCAGAGAAAAATCATCCCGAGTG AGGTGATCCAGACCCGAAAAGACAAATATTATACATTGTCTTTTGTATGGTACGGATAGGTGTGTGCAACAATCTCACTAACCACAGCAGTTGGGTGCC TCСАТАТТТААТТСТССТТСТСТСGTTTTСССТTTATСТСТGСAGAAATATСТССТСТТТССТСТТТСТАGGGAGAGCAGGGTAAAAGGGGGAACATGTGG AGGGACACTTGAAAAAGTGACATGGAAATCTAATTCCATAGAAGCATCCCAAAATATAAAAACATATGAGGGAATATAAATGGATGCACTGAATAAT AGGGGAGACAGTACCCAGCCAGGCATCTTATGCCACCAGGTAAAACCTCACATGGCAGGAATGGGTTAAATCTGTTGGTCAACACAAAATAAACTCTG GAATTTATATGGACTTTTGTTTCATTTTGCTTTGCTTTGACATTTTTTTGTTGTTGTTGTCTTTTTGGTCTCTTGTGTGTTTGTTTTTTTTTTTGTTTTGTTTT TTTTTTTGTTTTTGCTTTTTCAAAGAGGAGAGAAAGCGCATAAAGATGAGTGAGTGAGTAGGGAGGATGTGGGGGAAGCTGGAGAGTGAAAACATGAT CAAAAGAATATATGAAAAAAATTAATAAGAGAAAGAAGTGTTGGTCCTGTTCAGACAGCCCTTTCTTTGGCCAGTGAGTCCAAGGCTCTCTCAGATGT GGGTTTCTGGTCATATGCTGAGGTCCTTGATCCATTTCCAGTTGAGTTTTGGGTAGAGTAATATATATGGATCTGTTGCTTTCTTCTATATGCAGCCACC CAGTATGACCAGCACCACTTGTTGAAGATGCTGCCTTTTTCCCCAGTGTGTGTTTCTAGCTTCTTTATCAAAAATCAGGTGTCCATACATGTGTGGACTT ATGTCTGCATCTTCTAGTTGATTCATTGACCAACAAGCCTATTTTTATGCAAATAACATGCTGATTATTATTACCACAGATCAATGATAGAACTTGGATC AGGAGTGGTGATATTTTCAGCAATTTTTTGTTTTTGTTTTTGTTTTTTTAATTCAGGGTTGTTTTAGCTATCCTGGTTTTTTGTTGGTTTAGTTGGTTGTTTG GTTGTTTGGTTGTTTGGTTGGTGTGTTTGTGTGTGTATGTGTTTCCACATAAACTTTAAGATTTTTTTTTCAATTTTTGTAAAGGATTGTGTTGGAATTTTA ATGACAATTGCATTGAATCTGTAGATTGCTTCTGGTAGGATGGCCATTTTCACAACATTAATACTATATTAATATTACCACAAATATTGGAGATCTTTTC ATCTTCTGGTATCTTCTTCAATGTATTCCTTCAGTATCTAAGAGTTTTTACTATAAGTCTTTCACTTACTTGGTTAGCATTATCCCAAGATATTTTATTTGA GAGAGGGGCCATCGTGAAAGGTATTGTTTCCTGGATTTCTTTCTCTGTGTGTGTGTCATTTGTATGTATATTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG TGTGTGTGTGTATCCTGGCTAGTTTTATGTCAGTTTTACACAAGCTAAAGTTATCTAAAAGGAAGGAACACCAATTGAGAAAATGATAAGATCCTGCAG TAAGGCATTTTCTTAATTAGGGATTGATGAAGGCCCAGCCCATTATGAGTGGGGCCATCCCTGGGCTCACGGTCCTGTGTACTATAAGAAACCAGCTGA ATAAACAATGAGGAACAAGCCAGTAAGTAGCACCCATCCTTGGTGTCTGCATCAGCTCCTGCCTCTGGGTTCCTGCCCTGTTTGAGTTCTTGTTCTGACT TTCGTTGATGATGAATAAAGCCTTTCCTCTCCAGCTTGCTTTTGATCATGGTGTTTCATCACTATCAGTTATAGTGATAGTAACCCTAAGACAATATATG GTATATATATGTATTTATATCTTATGTGTAAATCTTTTGTCCTACTATTTTGCCGAATGTGTTTATCAGCTGTAGGAATTTTCTGGTGGAATCTTTAGGGT TTTTTACATATAGAATCAGACTAAATAAAGGTATTTTGATTTCTTCCTTTCATATTTGTATTTATTTGAGATCCTTCAGTAGTCTTACAGATCAGCTAAGA CTTCAGGTATGATATTAAGCAGGAATGGAGAAAGTGGACAGCTTTCTTTCTTTTTCCTGATTTTGTAAAAGTACTTTGTGTTTTTCTCTGTTTAGTTAGAT CCTAGCTATAGGATTGTGATATTTTACCTTTATTATGTTGAGGTACGTTGCTTGAATTGTTTCTTGTTGTAGATATCTGTCTTAGTTAGGGTTTTACTGCT GTGAGCAGAAACCATGACCGAGGACAACATTTAGTTGGAGCTGGCTTACAGGTTCAGGGGTTCGGTCCATTATCATCAAGGCAGGAGCATGGCAGCAT CCAGGCAGGCATGGCAAAAGAGGAGCTGAGAATTCAACATCTTGTTCCAAAGGCAAACAGAAGACTGGCTTCCAGGAAGCTAGGAGGAGGGTCTTAA AGCCCATCCCTACAGTGACACTCCTTCCTCCAACAAGGCTACACCTATTCCAACAAGGCTACACCCCCTAATGGTGCCACTCCCTGGGCCAAGCACATT CAAAACACCACAATATCTGACCTTGCCTTTTTCAGATGCCACTCCAGTCTTTGGTTGCTGTTGCACCAATCTGGGTCCCCATCTAGTGTGAGTTGTGGGG TCCTTGAGTCCCATCAGTGTGGCAGTTATGGGTTTCTGGGAGAGAGCAGTCCTGCAGGGTCTAAAGAATAAAGGTAGGGATTGACGAAAGGGATGGCA GGAAACCAGGGGGACCCTGGGTGTATAGCAGGAGGCTGAATCCCAAGGAGATGGAGTGGGCTGGGAGGTGGGACCCAGGCTGGCAGAGAGTGACAG GTCTAAGAACACCCTGTATGGGAGAAGCAGATCATAGCCCAGCTGAGTCCCAGACAAGTGTCCTGAGTATCTTTTTAGGGGAACTCAACATTTGGACA TAGCTCTTAGGGATCAAGAAACAAAGCAACCAGGTAAATAGACCAAATTGCAAGCAAAGGTTAACGACCCATTTGTGGGAGCCATGCAAGGATGATT TGGGTTTAACACTAGTAAATGAAAACTTGGAGACTTTTATTAAATGGATCAGTGTGAAATGCCAAACATATAATCCGTGTGAAAGTGTGTCACCTAGGT TAGCTATTAGCTTTGATACAATTAAGCAAGTAGCAGACTCTCCTATAAAGGATGTTCTACACAGGTGCAAGACGGAAGGCGGGGGGCGGGGGGGTGG GGGGGTGACAGGGGGCGGGGCCCAGGGGGGAGTGTTCTGTAGGCATGGAGCATGCTTGAATGTTCTAGGCTAGGTAGTGATAGGCCTTTGCTCCAAGG AAAGTTAGTGTCTCCTTTGTCGTTCTTATAATGCCTCCTAGAAAGTTTGACTTCTTAGAATGGCTTGCTTTTCCATTTAAAAAAAAAAAAAAAGGTTATT TATTTATTTATTTATTTATTTATTACCTATGAATGTTTTTCTGTGTGTCTACTTGAGTTTATGCCACACGTGTGCAGGTGTCCTGAGAGGCCAGAAGAGGA TGCTGTAGTTACACAGGTATCGTGAGCTGCCCAACCTGGGTGCTAGAAACCGACCTCAGATCCTCTTGGAATAAGCAGTGACCCCTCTTAACCACAGCC AGCCAGGCCCTGGCTTTGTGGTTTTGTGAACAAATGCCATTTGTAGGTTTTATGGTTCTATGAATCATAGATTCTTCCATTTGAAGTTTCTAATTTCAGGT GCTTTTGGCGTTCTTAGAGGCCATAGCGGCCATTTAAATGGCGCGCCGGTATCCCGGGCCGCTCTAGCTAGACTAGTCTAGCTAGAGAATTCCGCCCCC ССССССССССССССТСТСССТССССССССССТАAСGTTACTGGCCGAAGCCGCTTGGAATAAGGCCGGTGTGCGTTTGTCTATATGTTATTTTCCACCAT ATTGCCGTCTTTTGGCAATGTGAGGGCCCGGAAACCTGGCCCTGTCTTCTTGACGAGCATTCCTAGGGGTCTTTCCCCTCTCGCCAAAGGAATGCAAGG TCTGTTGAATGTCGTGAAGGAAGCAGTTCCTCTGGAAGCTTCTTGAAGACAAACAACGTCTGTAGCGACCCTTTGCAGGCAGCGGAACCCCCCACCTG GCGACAGGTGCCTCTGCGGCCAAAAGCCACGTGTATAAGATACACCTGCAAAGGCGGCACAACCCCAGTGCCACGTTGTGAGTTGGATAGTTGTGGAA AGAGTCAAATGGCTCTCCTCAAGCGTATTCAACAAGGGGCTGAAGGATGCCCAGAAGGTACCCCATTGTATGGGATCTGATCTGGGGCCTCGGTGCAC ATGCTTTACATGTGTTTAGTCGAGGTTAAAAAAACGTCTAGGCCCCCCGAACCACGGGGACGTGGTTTTCCTTTGAAAAACACGATGATAAGCTTGCCA CAACCATGGAAGATCCCGTCGTTTTACAACGTCGTGACTGGGAAAACCCTGGCGTTACCCAACTTAATCGCCTTGCAGCACATCCCCCTTTCGCCAGCT GGCGTAATAGCGAAGAGGCCCGCACCGATCGCCCTTCCCAACAGTTGCGCAGCCTGAATGGCGAATGGCGCTTTGCCTGGTTTCCGGCACCAGAAGCG GTGCCGGAAAGCTGGCTGGAGTGCGATCTTCCTGAGGCCGATACTGTCGTCGTCCCCTCAAACTGGCAGATGCACGGTTACGATGCGCCCATCTACACC AACGTGACCTATCCCATTACGGTCAATCCGCCGTTTGTTCCCACGGAGAATCCGACGGGTTGTTACTCGCTCACATTTAATGTTGATGAAAGCTGGCTA CAGGAAGGCCAGACGCGAATTATTTTTGATGGCGTTAACTCGGCGTTTCATCTGTGGTGCAACGGGCGCTGGGTCGGTTACGGCCAGGACAGTCGTTTG CCGTCTGAATTTGACCTGAGCGCATTTTTACGCGCCGGAGAAAACCGCCTCGCGGTGATGGTGCTGCGCTGGAGTGACGGCAGTTATCTGGAAGATCA

GGATATGTGGCGGATGAGCGGCATTTTCCGTGACGTCTCGTTGCTGCATAAACCGACTACACAAATCAGCGATTTCCATGTTGCCACTCGCTTTAATGA TGATTTCAGCCGCGCTGTACTGGAGGCTGAAGTTCAGATGTGCGGCGAGTTGCGTGACTACCTACGGGTAACAGTTTCTTTATGGCAGGGTGAAACGCA GGTCGCCAGCGGCACCGCGCCTTTCGGCGGTGAAATTATCGATGAGCGTGGTGGTTATGCCGATCGCGTCACACTACGTCTGAACGTCGAAAACCCGA AACTGTGGAGCGCCGAAATCCCGAATCTCTATCGTGCGGTGGTTGAACTGCACACCGCCGACGGCACGCTGATTGAAGCAGAAGCCTGCGATGTCGGT TTCCGCGAGGTGCGGATTGAAAATGGTCTGCTGCTGCTGAACGGCAAGCCGTTGCTGATTCGAGGCGTTAACCGTCACGAGCATCATCCTCTGCATGGT CAGGTCATGGATGAGCAGACGATGGTGCAGGATATCCTGCTGATGAAGCAGAACAACTTTAACGCCGTGCGCTGTTCGCATTATCCGAACCATCCGCT GTGGTACACGCTGTGCGACCGCTACGGCCTGTATGTGGTGGATGAAGCCAATATTGAAACCCACGGCATGGTGCCAATGAATCGTCTGACCGATGATC CGCGCTGGCTACCGGCGATGAGCGAACGCGTAACGCGAATGGTGCAGCGCGATCGTAATCACCCGAGTGTGATCATCTGGTCGCTGGGGAATGAATCA GGCCACGGCGCTAATCACGACGCGCTGTATCGCTGGATCAAATCTGTCGATCCTTCCCGCCCGGTGCAGTATGAAGGCGGCGGAGCCGACACCACGGC CACCGATATTATTTGCCCGATGTACGCGCGCGTGGATGAAGACCAGCCCTTCCCGGCTGTGCCGAAATGGTCCATCAAAAAATGGCTTTCGCTACCTGG AGAGACGCGCCCGCTGATCCTTTGCGAATACGCCCACGCGATGGGTAACAGTCTTGGCGGTTTCGCTAAATACTGGCAGGCGTTTCGTCAGTATCCCCG TTTACAGGGCGGCTTCGTCTGGGACTGGGTGGATCAGTCGCTGATTAAATATGATGAAAACGGCAACCCGTGGTCGGCTTACGGCGGTGATTTTGGCG ATACGCCGAACGATCGCCAGTTCTGTATGAACGGTCTGGTCTTTGCCGACCGCACGCCGCATCCAGCGCTGACGGAAGCAAAACACCAGCAGCAGTTT TTCCAGTTCCGTTTATCCGGGCAAACCATCGAAGTGACCAGCGAATACCTGTTCCGTCATAGCGATAACGAGCTCCTGCACTGGATGGTGGCGCTGGAT GGTAAGCCGCTGGCAAGCGGTGAAGTGCCTCTGGATGTCGCTCCACAAGGTAAACAGTTGATTGAACTGCCTGAACTACCGCAGCCGGAGAGCGCCGG GCAACTCTGGCTCACAGTACGCGTAGTGCAACCGAACGCGACCGCATGGTCAGAAGCCGGGCACATCAGCGCCTGGCAGCAGTGGCGTCTGGCGGAA AACCTCAGTGTGACGCTCCCCGCCGCGTCCCACGCCATCCCGCATCTGACCACCAGCGAAATGGATTTTTGCATCGAGCTGGGTAATAAGCGTTGGCAA TTTAACCGCCAGTCAGGCTTTCTTTCACAGATGTGGATTGGCGATAAAAAACAACTGCTGACGCCGCTGCGCGATCAGTTCACCCGTGCACCGCTGGAT AACGACATTGGCGTAAGTGAAGCGACCCGCATTGACCCTAACGCCTGGGTCGAACGCTGGAAGGCGGCGGGCCATTACCAGGCCGAAGCAGCGTTGT TGCAGTGCACGGCAGATACACTTGCTGATGCGGTGCTGATTACGACCGCTCACGCGTGGCAGCATCAGGGGAAAACCTTATTTATCAGCCGGAAAACC TACCGGATTGATGGTAGTGGTCAAATGGCGATTACCGTTGATGTTGAAGTGGCGAGCGATACACCGCATCCGGCGCGGATTGGCCTGAACTGCCAGCT GGCGCAGGTAGCAGAGCGGGTAAACTGGCTCGGATTAGGGCCGCAAGAAAACTATCCCGACCGCCTTACTGCCGCCTGTTTTGACCGCTGGGATCTGC CATTGTCAGACATGTATACCCCGTACGTCTTCCCGAGCGAAAACGGTCTGCGCTGCGGGACGCGCGAATTGAATTATGGCCCACACCAGTGGCGCGGC GACTTCCAGTTCAACATCAGCCGCTACAGTCAACAGCAACTGATGGAAACCAGCCATCGCCATCTGCTGCACGCGGAAGAAGGCACATGGCTGAATAT CGACGGTTTCCATATGGGGATTGGTGGCGACGACTCCTGGAGCCCGTCAGTATCGGCGGAATTCCAGCTGAGCGCCGGTCGCTACCATTACCAGTTGGT CTGGTGTCAAAAATAATAATAACCGGGCAGGCCATGTCTGCCCGTATTTCGCGTAAGGAAATCCATTATGTACTATTTAAAAAACACAAACTTTTGGAT GTTCGGTTTATTCTTTTTCTTTTACTTTTTTATCATGGGAGCCTACTTCCCGTTTTTCCCGATTTGGCTACATGACATCAACCATATCAGCAAAAGTGATA CGGGTATTATTTTTGCCGCTATTTCTCTGTTCTCGCTATTATTCCAACCGCTGTTTGGTCTGCTTTCTGACAAACTCGGAACTTGTTTATTGCAGCTTATA ATGGTTACAAATAAAGCAATAGCATCACAAATTTCACAAATTTAATTAAGGCCGCGGGATCGATCCCGTCGAGCAGTGTGGTTTTCAAGAGGAAGCAA AAAGCCTCTCCACCCAGGCCTGGAATGTTTCCACCCAATGTCGAGCAGTGTGGTTTTGCAAGAGGAAGCAAAAAGCCTCTCCACCCAGGCCTGGAATG TTTCCACCCAATGTCGAGCAAACCCCGCCCAGCGTCTTGTCATTGGCGAATTCGAACACGCAGATGCAGTCGGGGCGGCGCGGTCCCAGGTCCACTTC GCATATTAAGGTGACGCGTGTGGCCTCGAACACCGAGCGACCCTGCAGCCAATATGGGATCGGCCATTGAACAAGATGGATTGCACGCAGGTTCTCCG GCCGCTTGGGTGGAGAGGCTATTCGGCTATGACTGGGCACAACAGACAATCGGCTGCTCTGATGCCGCCGTGTTCCGGCTGTCAGCGCAGGGGCGCCC GGTTCTTTTTGTCAAGACCGACCTGTCCGGTGCCCTGAATGAACTGCAGGACGAGGCAGCGCGGCTATCGTGGCTGGCCACGACGGGCGTTCCTTGCGC AGCTGTGCTCGACGTTGTCACTGAAGCGGGAAGGGACTGGCTGCTATTGGGCGAAGTGCCGGGGCAGGATCTCCTGTCATCTCACCTTGCTCCTGCCGA GAAAGTATCCATCATGGCTGATGCAATGCGGCGGCTGCATACGCTTGATCCGGCTACCTGCCCATTCGACCACCAAGCGAAACATCGCATCGAGCGAG CACGTACTCGGATGGAAGCCGGTCTTGTCGATCAGGATGATCTGGACGAAGAGCATCAGGGGCTCGCGCCAGCCGAACTGTTCGCCAGGCTCAAGGCG CGCATGCCCGACGGCGAGGATCTCGTCGTGACCCATGGCGATGCCTGCTTGCCGAATATCATGGTGGAAAATGGCCGCTTTTCTGGATTCATCGACTGT GGCCGGCTGGGTGTGGCGGACCGCTATCAGGACATAGCGTTGGCTACCCGTGATATTGCTGAAGAGCTTGGCGGCGAATGGGCTGACCGCTTCCTCGT GCTTTACGGTATCGCCGCTCCCGATTCGCAGCGCATCGCCTTCTATCGCCTTCTTGACGAGTTCTTCTGAGGGGATCGGCAATAAAAAGACAGAATAAA ACGCACGGGTGTTGGGTCGTTTGTTCGGATCCGAATTCCTCGAGGGCGCGCCATTTAATGGCCAGCGAGGCCGGTACCCAATTCGCCCTATAGGACAA ATTAAAAGGAGAACAGAGAAGCAGTGGATGGGTCCCCATAGAAAATGGAAGGTGTGAACTAAAGAAAGAACTTGCCACCTGTAGTGGCTATTCCTGG ATGTCAACTTGACTACATCTGGAATGAACTACAATTAACTAAATTTAATTGATCTAAATTTCAATTTAAATGTATTTTTAACTCATTAAAAAACCTCGCT ACTATTAAGGAAATGAAAGCAAACATATTACACTTTGGTTTCCTGCCCTTCTCTTTTCTCTCGGAGACAAGAGTCTTCCCATGTAGCCCTGGCTGGCCTG TAATCTACTGCATATACTTCCTGATCATTGGGTTAAAGGTGTATGCCACCATGCCTGGCAGAAAAGATACTTCCATAAGGGTTTTTTTGTTTTGTTTTGT TTTGTTTTTGTTTTTGTTTTTGTTTTTGCCTTTTCATATCTACTAAATATAGATGAAGTCTATCATTCTGGGTTACTCACTGTGTGTGCGTACACATGTTTT TATGAATATAACAGTTACTTTAAATTCTGTAATAAGTGGGAGAAAGGGAAATGAAGGGACAGAAGAAGCAGACAAAACAAAACACTAGTGTGGTTTT AGGATGTAGTAGGACCAGAATGTAGCTTTCAGAATGAGAGTCTTCTCATCCCGACACAAAGGAATTCTGGGGTATGGTGGTGTATTAGTCAGGGTTCTC TAGAGTCACAGAACTTATGGGTAGTCTCTATATAGTAAAGGAATTTATTGGTGACTTACAGTCTGCAGTCCAACTCCCAACAATGGTCGGTAGCAGCTG TGAATGGAAGTCCAAGGATTTAGCAGTTGTTCAGTAGCACAAGGCAAGCTGGCAAAGAAGAGAGAGACTTCCTTCTTCTAATGTCCTTATGTAGGTCTC CAGCAGAAGATGTAGCCCAGATTAAAGGTGTGTACCACCACACCTTTAATCCCAGATGACCTTGAACTTGGAGATCTCCCAGTCTCAATCTTCTGGAAT TCATAGCCACTATGCCTCAAGATCTCCATGCCAAGATCCAGGTCAGAAATTTGTATCTCCCAGCCTCCAGATTAGGATCACTGGTGAGCCTTCCAATTC TGGATTGTGGTTCATTCCAGATATAGTCAAGTTGACATCCAGGAATAGCCATTACAGGTGGCAAGTTCTTCCTTTAGTTCACACCTTCCGTTTTCTATGG AGACCCATCCACTGСTTСТСТGTTСTССТTTTTCAGCTGGACATGCATGCTACTTTCATAAATTGGCTCCCACGAAATCAGAATCTCATCAGCCTCACTG ATAATCTCTGTCATTTCTAATAGACTCTGGATCACTGGACGTGGTGCATGCTTGTGTTCCTAGCATTTGGGACGTAGAGGCAGGAGGATTGCTACATTA AACCCTAGCTCAAAACAAACCAACCCCACTCTTGTTAGTTAACCATGTTGGTGAGTTTTGTGTCAGTGTGACACAAGCTAGAGTCATTTGGGAAGAGGG GCTCTCGATTGAGAAAATGCCTTCATAAGATGAGGCTATAGGCAAGCCTGTAGATCATTGTCTTGATTAATGATCAATGTGGGAGGGTCCAGACCACTG TGAGTGGTGCCAAACAAGGTTAAGTGCTGGTCCAGAGTTGTATAATAAAGTAGGCTGAGCAAGACATGAGAAGCAAGCCAGTAAGCAAGTTCCTCCAT GGCCTCTGCTTCAGTTCCTGCCTCCAGGTTCCTGGGTTGTGTTCCTACCATGACTTCTCTCAGTGATGGACTGTGGCATACCTAGTTATTTCAGAAATGTT CATGCTATTATGGAAGACCAACGAAGAATAAATAAATAACATCTCTCATCCACCTAAAAATTCCCTCTTCACCCCAGCAGAGAACACTGGGTTCTTTTA CTGGTAAAAATTCCTAAGTGCTAATCTTAACTATCAGACAATAATAACTCTGAAGAGAAATTAAGCACCTTACATTTTAAGTAATCCAGACTAGTTAGT ATTACACGATTTAAATCAAACTTTCTCTAACTGTTGTATATATTCССTCСССССAATAACTAAACACCAGAATTAGTTACTCAGTAATAAGCTGAAGTAA ACTGTTCTTTCCCTAAGGTGTTTTTGGTCATGACATTTTTTATGACAGAAACTCAGAAACTAATACATTAATGAAGTGATATGTGCCTCTTCATCTTAAG ATGCACTAGAGAGGGCTGGAGAGATGGCTCAGCATTTAAGAATACTGACTGCTCTTCCATAGGCCCTGAGTTCAGTTCCCAATAATCACATGGTGGCTC ACAACCATCTGTAATGAGATCTGATGCCCTCTTCTGGTGTGTTTGAAGACAGTGACAGTGTACTCACATAAATAAATAAATCTTAAAAAAAAAAAAAA AAGCCAGGCCTGATGGTGCACTCCTTTAATCCCAACACTCAAGAGGCAGAGGCAGGCAGATTTCTGAGTTCGAGGCCAGCCTGGTCTACAAAGTGAGT TCCAGGATAGCCAGGGCTATACAGAGAAACCCTGTCTCGAAAAACAAAACAAAACAAACAAACAAAAAAAGATGCACTAGAGAACCACCTTTCAAAT TTAAATTAAAATGACTTTAGTGGAGTTGGAGAAATGGTGCAGCAGTTAGTAGCAAGTACCAGCACCTGTGTTTGGTGGCTCAAAACCACCTGTAACTCC AGCTCCAGGGGAATCCAATGTGTTTGGCCTCTCTAGGCACCTGTACATACGTTCATACATACATACATACATACATACATACATACATACATACATACA TACATTCTTGCTCTCTCGCATTCACATACACTTTGACATTCTTTGAAAAAAAATCTATAAAATTTCTTTTGCCTCTGAATTCCCGTGTGCTAGTCTGAGAC AAGTATGGAAGTCTCTTTGGTCACTAGTGTGCACCTCCCTCAACTCACATTGTCTACAGGTGCAAGGCAATCTTCTTCACCTTCTGTTTTCCCTAAATGG ACAAACAAAACACAGCAAAGTTTATCCTGTTAGGACGTTCAAGTAAGTATGATCCAGCATTCCCATCTATCCGAGTTTGCTGTGTCTGATTTCAGTCTC CAGGAGGAAATGAGTGAGGTGCTGACTGGTCTTGGTGCTGATAGATTTATTCATGGGTGGACTTACTCTAGTAAGCATTGATTCAACATGCACCATGGG AGTTTAAAGATGGCAAGTGCAAACAAAATTACATGAGCCTCGTTAGCTATGTGCAATGTGATATGTTTATACTCTATGTGGATGGGTATATATAGTAAG

AATAAAAAATATTTAATTATGCAACTTTTTTTAAACCCAAAAACAGATCCTGGAAGTTCTTTCATTGTAGAATAATGTCTTACCCCACCCGCCATGGAG CAGCCGATTGTTGCATTGCCAAATTCTGCCTGCTTTGATATGTATTTGGATCCTGTTCAGAAAAGAAACAAAGATTCTTATGTGTCTGCATTCCTTGTAC CATTTCAGCCGCTTTGCTGGGTCTCTTTTTAAAAGATATGGCTGATCATAACTGAATGGTGCTTGGGAAATTAGTAGTCATCTATCCTATTGATGCCAGT ACCGGTTGCTGTCACGTCATTAAAGTTGCTAAGGATATGCCTAGTTATTTGAGAAATGTTCATGCTATTATGGGTGACCAATGAAAAAATAAATAAATA GCATCCTTCGTCCACCTGAGAATTCCCTAGTCATCCAGGTAGAGAGCACTGGTTCTGTTACTGGTAAAATTTTTTGAATGCTTATCTTGAATGTTGGACA AСAATTACTTTGAAGAGAAGTTAAGTATCTTACATTTTAAATCATCTAGAGCAGTTTAAATAGAGCCATTTAGATCAAACATTCTCTAACTGTTGTCTAT TTTСССАAATAССТАAACACCAGAAAATGGCTAAAGTAAGACATGTGAGGGACTAAGGATTGTCAATTATTCTTTTATCTTCACTGTCACAGTTAGAAG TGACTGCTGTGAATTCAGAGTACTTATCACTACTCACCATTTTAAGCGTGAGGGTGAGGAGAAACCAGAACGCTTAGAAAGAAACAAATCAGGTGTTT GACCTCTTAGGGGTTGTGTGTTGTTCTGAAACATCCTTGGCTTGGTTGCACATTCTCTGTTGTCCGAAAAAAGCTATTTTTATTGTATCACTAATAATCCT GCTCAAATGCATCCTTTAAAATCCAATTCTATCСATTTCСTTTCAGTCCTCGGAGAAGCCGAATACCTCCTCCTCCAAGAGCCAGTCCATGTGGCACTGA GCGACAGAACGGTGTCAGTGGGTTTCCACTACCTCAGTGACGTCAACGGGACACTGAGGAATGTGTCTGTCATGCTGTGGGAGGCCAACACCAATCGG AСТСТТАССАСТАAGTAССТССТGAССАAССAGGСССАAGGAACAСТССAGTTTGAATGTTTCTACTTCAAAGAGGCTGGTGACTACTGGTTTGTAATG ATCCCGGAAGTGACAGACAATGGCACGCAAGTTCCACTCTGGGAGAAAAGTGCCTTTCTGAAGGTAGAATGGCCTGTCTTTCACATTGATTTAAATAG GACAGCCAAGGCAGCAGAAGGCACCTTTCAAGTGGGTGTTTTTACCACCCAACCGCTCTGCCTGTTTCCCGTGGACAAGCCAGACATGCTGGTGGATG TTATTTTCACTGACCGTCTTCCGGAGGCAAGAGCAAGTTTGGGACAGCCGCTGGAGATCAGAGCCAGCAAAAGGACAAAACTCACTCAAGGTCAGTGG GTCGAGTTTGGCTGTGCACCGGTAGGGGTGGAAGCCTACGTTACAGTCATGCTGAGGCTGTTGGGTCAAGACTCAGTCATTGCTTCTACGGGACCTATT GACCTGGCTCAAAAATTCGGATACAAATTGATGATGGCACCGGAAGTCACGTGTGAGTCTGTGCTGGAGGTGATGGTACTGCCACCTCCTTGTGTCTTC GTCCAAGGAGTCCTGGCTGTTTACAAAGAAGCCCCCAAACGCCCGGAGGAGAGGACTTTCCAGGTGGCTGAAAACAGACTGCCCCTGGGAGAGAGGA GAACGGTGTTCAACTGCACTTTATTTGATGTAGGGAAGAACAAATACTGTTTTAACTTTGGAATTGTGAAGAAAGGCCATTTTTCTGCAAAGGAATGCA TGCTAATTCAGAGAAATATAGGTTGGTATTGAGATTTCCTAGCCTTTAAAAGATCAAATCAGTGCCTTCATGTAATCAAAAGTGATAGGACTAGGTGAG TCACGGTGTTCATGATTCATTCATCCTTTAGGCGATACCAACTAGTGTTATTGTCTTTTTCTGAAAAAGTAAGAGCATATTCATATTTCAGTTTGTGTGG GAGATTGGTTTGGGAATCCAGAGATACCAACATTGCATAGTATTCATATAAAACAGACATACCCCTTCCTGCAAACCCCAAGTTATTTCTAGGTTACTT GTAAACCATTACCATGTAATTCTGTGTAAGTAGTTGTTATACCACACCATTTCCAGAACAATAACAAGAAGAGAGTCTGGACATGTTCAGTACAAATGT GATATTTTTCCTGACTGCTTTCTATCCATAGCTNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNGTCTCTCATTAGAAAACAAGCATGCATGCAAAGAATGATAATAATAAAATAACATAGTG TAAAACAAAAACCCAAACAAGAGTTATGGAACCAGGAAACAAAAAAAAAAAACAGAAGAGAGAACCAAAGAAAAAGGCTATAGAGACACACAGAT ACCСАTACATAGGAATCCCATTAAAACATAAAACTGAAAGCCATGCAAAGGACCTGTAAGGTTAAAATAAATACCCCAACTTAACATTACGAAACAA AGAСССТСТАAAGATGTCACTGACATCСTTTTATGTTGCACATCTACTGCGGGGCATGGGGCTAGTTAGACTTCCTTGGAGAAAACTAATTTTCTACTTG CAAGTGGCTATCAGTTGGAGACAGCTTATGGGTTAGGGATGGGGACATGTGTCCACTTGTCCTCTCAGCTCTGGGACCCCCATCTGGTGTAGACTGGTG CAGGCTCTGTGCATGCTACCACAGTCTTGGAGAGTTCATATGTGCATCTGTCCTGCTGTCCATGTGCATCTGTCCATGTGCATGCTGTCCATGTCCCTCT GTCTССTСTGGСТСТTAGAATCTTTTCATCTСTTCTGСAAAGTTTATAGTTCTTCGAGGAGGAATTTGATGGAGACATCCCATTTAAGGGGCTGAGTATT CCGAGTTAGCTCACTCTCTGCATATCGTCTGGCTGTGGGTCTCTGCTTTGTTTGTTCCCATCTGCTGCAGGAAGTGTCTCTGATGATGGCTGAGCAAGGC ACTGATCTATGAGCAGAGAAGAATGCCATTAGGAGTCATTTTATTGCTATCACCCTTCTCCTGCCCCCAGGTTCCTAGCCTCTCTAGTCTCAGGTTCTTG GTGGACAGCATAGGTATGATTCCATCTCATGGAGTGAACCTTAAATCAAATAAGATACTGGTTGGTTAATCCCAAAAAACATGTGTCACTGTCACAAA GCAAATCTTGCAGACAGATTACCATTGTAGATCGGAGGTTTTGCAGCTGTCTTGGTGTGGCCAAAAGGGACTCACAGTCTTTATGTGATTAGTTTGTCC CTGGCACTGTCCTCAATGCCTTTTGCATGTGGTTTTATAATCCTGTCAGTCACTTAGGCTCATTGTAGTGTCAGTTTTAGAGATAAGGAAGTGAGGGCAC AGAAGAGTGAAGTGCTTTGCTCAGGATAGTTGAATGAGGAGTCAGAGCACCAAGCTGTGTGCAGGGGGTGTTGGGGGTGTGATCTGGCTCAGCAGAG GCATGTCTGCCCCAAGTTCTGTTCCCAGCACCAGCAGACAATCGAAAACCAGAGGTTAAGCAGTTTAACAAGTACTTTTACCACTCTCCTATGTCACCT TСТТТТТСТTTTTTTСТТTTTTGTTTTTTGGTTTTGGTTTTTCGAGTCAGGGTTTCTTTGTATAGCCCTGGCTGTCCTGGAACTCACTCTGTAGACTTGAACT CAGAAATCCACCTGCCTCTGCCTCCCAGGTGCTGGGATTAAAGGCGTGTGCCACCACTGCCCAGCCTGTGTCATCTTCTGTACCTACAGTTCCTACAGA AGCCAACAAGAGGCTTTCATCTCAAAAAACCATCCCGTGTTTTACTTGTGGACTCATCCTATACTATGAGGCCCTTTCGGGAAACCTGTAACTGTTTTTA TTTCAATGGCTGGGGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNTGTGGCAGTGACTTCATATCTTTTTTTTTTAAGATTTATTTACTATTATACATAAATTCACTGTAGCTGACTTCAGACACACCAGAA GAGGGTGTCAGATCTCATTATGGGTGGTTGTGAGCCACCATGTGGTTGCTGGGATTTGAACTCAGGACCTTTGGAAGAGCAGTCAGTGCCCCTACCAGC TAAGCСАТСТСАССАGССССССАТАТСТТТТTТСТАAGAGTAGTTTGAATTTATCAACAGCTTTCTGTCTGGAGGACATAGCTCAGTGGTAGAGCGATTA CСTAGCATGCCAGGGCCTCTGGTTTGCATTTCCCAGGACTGCAGGGGTGGGAGGGAAGCTGTTTGGGGGAGTTCTGTGTGCATTTTGAAGTTCTGTTTA TACGTGGCTCTGCCTTTAGGGTTGTTAAGAGTAAACTGGCTTGTTTGTCCAGCGATGTTCCTCTGTATCCAGGGAGTATCTCAGGTTCTGCAGCCACTTT TGTCTTTTGTTAATATGGACACTCGTTTTCTTTCAGTGTTCACGGGGTAGATTTTCTTCTACACTTTTACTTTTAGCCTACATGCTTTTATGTATTACGCAT ATTTAACATGTGTATATATAAATAAAGTTTTTGGTTTCAAACAGCACACACATACGTATATAGACAAACTCACACACCCCCACACAGACGATTACTGCT GCTCAGTTTGTGGTTCCTATGTGTAACACTAAGGTTGTTTCTAACGTGCCTTCAGCTATTGCTCCATCCACGAGGTAAATGTTTACTAGAACTCTCAGTT

