

Table S1. Differentially expressed lncRNAs.

| #ID | K_FPK | H_FPK | Pvalue | log2FC | gulate | sequence |
|-----------------|-------|-------|----------|--------|--------|---|
| MSTRG.200128.7 | 0 | 0.29 | 1.11E-10 | 11.93 | up | CGGCTTTGGCTCGCGCCCCGCCCGCGCGCGTGGCCGTTTGAAGTACTAATTTCTGTCATATGACTGAGGCCTATGGGGTGGCGGGCAGCTCTAGGAGCGGGGCCCTGGTGAATTCCCTGAGGAGCGACCCCGCCTGGCCGTGGCCACCATGGCCCCTACCCTGTTCCAGAAGCTCTTCAGCAAGAGGAACGGCCTGGGCGGCCCGGTCCGGATGCGAGGGACCCGACTGCGCGTTCAGGTAGTTCGCGCAGGGCGAGGGGCGAGGGGCGCGGAGCCGATGGCCTAGTGGGGTCCACTTTCAGAGGCGCTGAGGCTTTCTCGAAGTTCACGCTCGCGCAGTAGTGTGCGCCCCGTACCGGGATCAGGTCCTTGGTCCGGAGGGCAGGGCAGCTGCAGACCAGCGCTGGAGGGTTCGAGCGTGGTCTCTCCCCCTCCCCACGGTCGCCCTTACCCCTTGTCCCGGGCGGTTTGTTCAGTCTTGCTCGCGGCCACGCGCGGCTTGCCACTCCAGGCGGAGCATCGCGGCCTGAGCTTAGGGGCCACACTCCTTCTGGCGACGCGTAGAAATGGGGCGGGCTGGATTGGACCTCAACCGTCGCTCTCCGGCCGAAAAGTTCTCCCTCTCCCCGCGGCTGGTGCCTCTGGTGCTCGGTTCCAGCTTGGTTGCTGTTGTGGAGAGAGCAGCACGTTTTGGCCAGCCTTCGGAGTGTAGAGAAGGCTGGAGGAGCGTGTGCGCAAGCTGCCGTTCTTTCAGATTTCTGTAAATCTAAATTAGAGGTTTGAGATAACCGACCGAGTGGCCTGAATATGTTCGAAGGAGAAATGTGAAACCTAAGAGGTTGTGCTTATTTACTAGAATGAAGCTGCGCTGAGTCAAATGAAGCATGGCCCTAGAATTGACCATCCCGTTGGAAGTGTCTAAAAACGAGTCTATAAAAATTGACAATGATACCAAGATAATTTGTGGTATTAAGGCTTGGTTATAGTACCTGTTGCTGGTAAAAAAAAAAAAAA |
| MSTRG.114761.23 | 0 | 0.28 | 1.49E-08 | 11.89 | up | AACTGGAGGCGCGGAGACCGGCACGCAGAGAGAGGGAGGGAGAGGACGGGACGCAGACAGAGGAGGGAGAGGAGCAGCAGCCTCGCGCGCCCTCCCTGCAGACGCCCTCCTCTGTCCGAGGGAAAGCGGCCGGGGCGCGGAGTGGCAGAACGAGAGAGATGCGGGTGCAGAAGACCGGAGAAGGTCCCCTCGCTAGTGGGACCAAGAGGCGCGGAGGGACCGCCGCGAGGGGCGAGTCAAGAGCGGATCGCGGGACGGCGGGAGGCCCGCGGTGGGCTGCCGACTGAGGACAGACGGCCAGACAGACAGACGTGCCCGGAACGGACTGGCAGCCAGGAGGCGGGAGCTCGCTCCCTCTCCGACCCAGGGCCGAGAAGGCGGCGGACGCGCCCCCGAGCGCATCTGAGCAGCGGGAGCCGAGGGACCTCGGGGTACCGGCCGAAGCCGCTGCTGTGGCCGAGCCCTGGGTGCCGAGCCCTGCCGGGAGCCCCCGCAGCCGAGAAAGGCTCCTTTTATTAGCAGTTAAATAAATCGACCCAAAATAATAACAATAATAAGCCAAAGCAAACAATACAGCCAAGTCATCCGTGAGAAACAATAATACTAATAAAAGCCACAAACCAAATCAATCAAGGAACAGAGACGCTGGGGGGAGTCCACTTTTCGGTCAAGTCTCTAGGGGCGAGATGGACCACTGAGAGTTGCTGAAAAGTAAAAGGAGAAGACTTCTCTAAAACCTTTTAATTGAGTAATTTTCACCATCCAAAAGGGGTGGCGAAGAGCCAGGTCATTATTGAATGCGAAGGAACTGAAATGGATCCAGGAAGGAGTTACCTTGCATCTGCGCTGAGGAGTGGCCAGGAGCAGCAACTCTGGGGTGGCAGGGGAGGTGGAACATTTCCAGCATCCTCTCGGAAGTTAAGGCAAGCAGAGCAGTGGCTTGCTGCTGGGCTCTCTGGCGCCCCCTCTGGCGGCTTTGGTTCTGTCTCAAGCCTTGAGAAAGCTGTTCGGAGTGCGCC |

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|----------------|---|------|----------|-------|----|---|
| MSTRG.135889.2 | 0 | 0.31 | 2.54E-10 | 11.84 | up | AAAAAATGTGCAGTTAGTGAAGTAAGAGCTTGGTGGACAGA TTAAACCACAGATTGGGCATATGTGAAGAGAGAACTGGTAAA CTAGAAGATAAATCAAGAAGGTACCCAGTTCTAACAGAGGAA GGGATGGGAAATAGGAAAAAGCTAAGAAGCCCGGAGAACAGG ATGAGAAGATCCAACATAAAGAATAGGGGAGGGAAGAGGTTT GAGGGTTTGTGTTGTTTTTTTTTCCCCAGAATTTATAAAAGA GATATAGATCTTCAAATGAAAAGACATAACAAATATTTAGTG GTGAATAAAAACAAGTATGCTTCTAGACATATAATACAATTG CAAAAGACGAGAAAAATCTAAGCAACTAAAAAGACCTTACCT GCAAAGGAATAATTGCACTGGTAGCAGGCTTCTCAATGGCA GCAGTATGGACCAGAAGGAAACAAAATAAGTTATAAATGATG AAAAGAATGGGTGATAGCCTTGAGTTCTATACAGAGATAAGT TAGCGTTCAAAGAGAGGCTGAAAAACACATTTTCAGATTTT GCTGTAAGAGCTCAGGGTTGTTAAGGAAAAAAGGCAGTTGAA TCCAGAAAGGAAGGAATGGACTGCAAGAAGCCTGGTGAACAA AGAAATTGGTAAACAGACTGAAATTACACTGTGTAAAACGA GAAGAACTTTATTAAGTATACGGAACAATCTTCAAGATATA ATAAATGAAGAAGCAAGAAGTTGGCAACTGTGTTTGATTTGT TACTCTCATTTGTATAAACTAGGAAAAAGCACAATATACATT AGCTGCTTTATGCGTAAAATGCCTACAGGTACACACAACT ATTGGGAGGACACCTGGGTGCCAGGGGACAGAGTTTGTTTAA AGACAGTTTTTACTGTATATTCTTTTATTCTTTATGAGTTT CTAGCAGGACTGTAATCACTTAAAGTAGAAATAGAAGTGGAA AGGTTGGGAGGAAAGGTAAAAGAACACTCCAACAAAAATGG GGACCTTAAGTGACATACTTTTTTCTCTCCCAAAACGTATGA |
| MSTRG.171438.6 | 0 | 0.14 | 4.71E-09 | 11.45 | up | GGCGACCACCTGCGCCGCCCACTTACCATCTGCCCCGCGGG GAGGGCCCCCGGGTGGCGGAGCCCTCCCTGCTCCCGGGCG GCTCTGGGGAACTCGGTGTTTGCCTCCAGCCCTTCGCTACC GGAGAGATCAGGTTCTCCCTCCTCCCTCCAGCTCCGGC CGCCGCGCCGCGCCTCCTTCTTGCATGACACAGCAGAACC GCAGCTGCCGAGCAAGTCCCAACCATCCGCCAGGAAGCGC CGCAACCGGACTCGGGAGGGGCGGAGGGGAACAGGCAGG GGCCACAGCCGAGGGGATGCTTGCCCCGCTTTGCACCACA CACTCTTTTCCCAGCCAGGGCATGGGAACAAAATCAGGCT CAAGCCGACCAGCCAAGCCCGTGAGGAAAGCTGGGGTTTCG GCGTCAGAAGGGATGGGACAAAGAGAAGGGTGTGAAGGAGA CCCCAATTGAGGCAGGTCATTGCAGGGGAAGAAGGGGAAGAA GAGGCCGAGAAGTCGAGGGCCAGACTGTGAAGGAGAATAAAG GAGGTCAAAGAAAGGTCATATCGTCGTACCTCACTTCTGAC ACAAACAAGTTTTTACTGTTGTGTCAGCAACAAAGTCTAATAT AGCTGCGGAAGAGAAAAACTGCATTGCATTTGCTCCTGCAA GCATCATCAACACAGTTACCGGAGGAATGTTGATTCCAGAAA AGCTTTAAGGCTGGTACGATGGTAATTATGTATCAAATGCCT GATTCTATTTCTGTTATTATTGTTTTGTCAATTTCTGAGCCAC CCAAGAAGTGGCTGAACTCGCAGAGGGACAAGTCCGGTTCTT CTTTTTGCCTCGGTAATAATTAATCAGACCTGATAGAAA ACTATTGCTCTAGGGGAAAAATAAAGTAGGAGCCAGAAATGTCA TTTTAACAGAGCGTGGGTTTTGTGACTGTAGGAAAGGATTTA AGGACGCTCCTTCTGTTTCGGTTTCTATGTAATGAGCAAAGG CTACACGCACGCACAGACGCCACAGCTCCCGATGCTGTGGC |

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|----------------|------|------|----------|-------|----|---|
| MSTRG.117744.2 | 0 | 1.41 | 4.01E-08 | 10 | up | <p>CTTTTACCCCCACCCCACCCACCAAGACTGCTGGACAGAGC TGCTGCTGGGATGCAGTCTGGTACCTGGACTGAAGATGGGAG GGAAGGGACACCGCCCTGGTGTTACTCCTACCTGGGTGGCTG GAGGGTGACCAGAGACATCATCCTTCTCCTGTGTGAGCTGAG GGGCATGAATGTAGACGTGCTGCGTGTGGGGAGGGAGGGAGG CGCTAAAAGGCTCTGAATGTGACCATTTTGGTGAGAAGGAG GGAATGCTGTTTTTACATGTCTGTCCGGCAAGAGTCATGCTA AAAATGCACAACCCCTGAGTAAAGACCACCACTTCCCCAAAG AAGTCGCCCATGTCAATCAGATGAGTGAGGAGAACGAGACT GAGCCTCTAGGATGGAGCAGCCCCAAGGGAATGCTTGGGGG TTCCTGTGGGCCCAAGGTGCTCCACGGGGCAGCAGGGCA CAGAGACAAAGCCCCGGAAGTATCAGAACAGACCGCGAGTAC CACGGTGCCCCGGAGCCTGACAGACACCCTGTTCCCGCCA GCGCTCCGTCCCCACTCCTCTCTGGCCATCTCCACGGCAGG GGCTGAGTCGGGGCTGCAGACTCAGCATCTCCTGGTGCAGC CTCCGCTGCAGCCTGGGGCACCACGTGACCAGGCTGAGGTG CCTGGAACCACAGCAGCCATGTTGCTACCATGAGAAAATGGC CAAGAGAATCTCCAAGACACGGGCCCTGACTGTCTGTGACCA AGCCAATGCCGGCAGCCACCCTCCTCCAGGATTCTTGTAAT</p> |
| MSTRG.177057.2 | #### | 0.63 | 1.77E-08 | 9.646 | up | <p>GGGAGACCAGGTCATCCGTCCCTTCCCCACCAGTCCTCTTA GGGGTGGTGGAGATACGGGCCGAGAGCTGCGAGTCCCAGC TGTGCGGATTCCCTAAACGCCGCACTTGCTCACAGCCCCTTA CGTAACTGTCAGCGCCGGGATTCCCTAGAGGGGGTCATTCT ATTCAACCATTACACACACCCGGGGCTCCTGCCGCCGCGCCG CCGCCTCACAAAATGGCGGGCAGCCATAGAGGAGACAGCGGCC GCCTCCTCGGCCCATTTTGTGGGAGGGCAGAGATCTGTCAA CATGGAATACCTCCGCTAAGGATGCATATGAGTTTGAAATC CTGCTTAAGGGATGGAGCCGAGAGGATCTGCTTCAACGAAA ATGTCAGCGACTTCTAATACCTCCACGCTTTTTCACTTTTTT CATTTTTCTCTAAGGAAGCGCCGAAGCTGCCGGGGACTTGT AACTGAAGAGAGAAGGAAAGCTGCAGCTGACTGCTCCGGGA ACTTGCCGCGCGTGTTTTGGCTTTGGCTGCTCTTCCCCGCT CCCAGGAGCTGACCGCGGTCTCGTGGAGGGTCGCTGGGCCG CCCGGACGGCTCAGAAAAGACCGGGACCCGGCGACGCCAAGT GGCAGCGGTCTCCGCCGAGTCACTTCAACAGCGAGACTTTTC AGTAGTTTTTAAATGCCAGGGTCCACCGCCAACCGGGACCC CTTGCCAGAGTCGTGAGCTTCGGGAGCCGCGGACGCTCCTGC TCCGTGAGTCGGCCGGAGCCGGTTGCCCGAGTCGGCGGT CCTCGCGGATGCCGGCAGCCACGGCGCGCCGGTGGTCCCG TCGGGACCCGGGCCCTGGATGATGCTACTGGGGCAGGAGTGG GAACGAAGGCACGTACTGAAAATTAAGTCGTCTGGACCTA GGTTGTATGTTTTAACCGTGTTTTAGGTTAAACGTTAGAAC GTTTTTCTCGTATCCCACTGGAGTGGGCGAACCTGGCTGTC TTATTTCAATTTCAAGGGCAGGATGGAGGGTGACATTTTC</p> |

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|----------------|---|------|----------|-------|----|---|
| MSTRG.79992.12 | 0 | 0.21 | 1.48E-07 | 9.315 | up | <p>GTACACAGCCGGTCCGGGCGGTGCGCAGGGGGCCGGGGCGCG TGCAGGTGAGGAGCGGGCACGAGCAGGCGCTGCCTGGTTCT GGCTGGCGGGCGGGCGGGCTCACCCACTGCGGGGCGGGAGGG CGGTGGGCCGCTGCCGGGCTGGCGACTGGATGAGCTCGCGG GGCGTCGCTCCCGCTCGGGGCCTCAGTGCTCAGGGCCGTCCG CTCCCGCCCCCTGCCTGTCCGCTGTGGAGGACGCCGGGCTCA GGGGAGCTGGCTGGGCGGACGGAAGCCCGGAGAGGCCCTCGC GGCTCGTGCTTGGGACTGGGGCGCGGCAGGGACCCCGCGGA TACGAAAACCCCTTCGAGGAGTACGCGGAGGGACCTCGGCCT ATGGGTCTCGGGTCCGCGGGGACTGCCTAGGGACGCGGCC TCACGCCGCCCTGCGGCTGCCGGTCCGCTGAGCTCACCTTCC CCGCCGGGCGGGCCGGGCCGCCCCAAGAACACGATTT TCCGGCCCCGCTGAGCCGTTGGCGCAGTCGGGCCCGGGGAG GTTGCGCGGGGACCCCGAGAGGGCCGGGGATGAGGATGAAGG ATCCAAGCCCAGGGGCGAGCGCAGGGTCAGGGGTGTGTCTT CCTGCTCTGCTCGGTGCGAGGAAAGAAGCTTGCTGGTTGGC ATGATAAGAATTTTATTTATTCTCCTCACAAATTTTGCCAGA TGGAATACTTAGCTTTGAGGGGAGAGGCCCTAATTTGAAAAT AGCTTTCAAATTCGCCCTCACTCCCATTATAAAAGCAATT CATTCTCCTTTCTTCTCGCTCAAGACTACACAAAGTGTGTG ACAGTACTTTTTAAAGTAACAGTCATCATGTAACCTACCATT CAGTGATAGCCATTGCTAAGATTTTGTGATACCAATAAATA CATGTATTATCACTTTTATGGACTTCATTATACCTTTGTATA TCACAATTTAACCAAGTCTACTAATGAACATGTAAGGTGCT TCCAATTCGTCATGGGATAGATGATTCTGCCACAGAATTTGT</p> |
| MSTRG.41883.2 | 0 | 0.15 | 1.10E-06 | 9.213 | up | <p>GGGTGGGCTCCCCCTGAGCCAGAGTAAAGTGCTCAGGCCTC TCATTGTGGTGGCTTCTCTTTTGAGAGACAAGCTCTGGAG CTCATGGGCTTCACTAGCTGTGGTGTGGGCTTAGTTCCCTG CAACATGTGGAATCTTCTGGACTAGGGTTCAAACCCATGTC CCCAACATTGGCAGGAGGATTCTGAACCACTGGACCACCAGG AGAGTCCCAGAGTCTTATTTTTCAATCCACAGGTTAAAAA CAATGCCTTAGATCATTGCTCAATCCAAGATACAAATGCC AATCCAAACACTTGGGTAAAGAATTGGATTTTGATTGATTCA AATTCACAGTTCGGTTCAGGATTTTATCTTATTTTATTTTAT TGTAAGTAGAAGAGACAAACAGACTCACTGTGAAATCAGCG AACTATATGTTAAATAGAACCATCCTTTTTCTTCTGGATGAA TTTCTACTTTTTAAATAGATCATTGAGTTATCATTGTAAT CCTGAACACGATTTTGTGAAAATGTACTCTAAAAATATACT AGGAATTCAAAAATCAGTTTCATTTCTTAGGATCTCCAGCT TAATGTACATGTTCCAAAAAGCTTAGATTTCTTGGACTTCT AACACTGCCAATTTTTAGAATTTAAAAATCAAATTTGTGTT CATTTTTCATGTGTTGTTATGAAGTTACAACCTGTCTTCCAT ACTGACCTCTCTCCCATGTATAGAGTTTACAGAGCATTAC ATTTGTGGTCATGCTAGCTTCACTTTTAAAGAGAGAGCCTAAT GGAATAACTAACTTTTCTGATCTTTTCTGCTACTGGTGG TATTTCTTAGCTATTTTTAAATTATCTTTGGGCTTCCGCAT GGTGCTAGTGGTAAAGAATCTGCCTGCCAATGCAGGAGACAC AGGTTCATCTCTGGGTGGGAAGATCCCTGGAGTAGGAAA TGGAACCCACTCCAGTATTTTTACCGAAAAATTCATGGA CAGAGAAGCCTGGTGGACTACAATCCACAGACTGAGCAGAC</p> |

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| MSTRG.155031.14 | 0 | 0.08 | 1.26E-07 | 9.193 | up | <p>CTCTAAGGTTGTGAGCCTGGTGCATGGTGGCAGTCCCCGGAG TAATGAGGTTGTGTTGACTGTAACCTCATAAGCTCAGTGGTA TGCAAATCTTGCATACAGAAGAATATTTAGAAAGAAATGTCC TACCAATAATTAGAGCCAAAGGACTGAAGGGACAGTGGGAAG TCTCAGCAGGAAGGCTAGTTGGAAGTGTGCTACACGTTTGG GATCTGTTCCCTGACCAGGGATCAAACCCGGCCCCCGCTAC ATTGAAAAGTCTCAGAGTCTTAGCCACTGGACCACCAGGGAAGT CCCTGTTTTTTCATATAGAATGTACTGTTCTGTGTCTTGCTC TGTTGCTCAACATTATGTTTCTTATTTGAAAAATATGTCTC TCAGTCACCAGGAAATAGAAGTTAAAATCACAGCAGTATTCC ACAATATCCAGTGTTCGTGAGGACGTGACGCGCTGGGTCCCT CATACACCTCTGGTTAAGAATAACTTGATGCTCCTGAGACGT GGCCTGCACAGAAGAGAGGACTGTTCCCTGCAACTGAGACCAG TTGACTGCCTTTGGAAAAGTACCATCCGTGCCACAGTGGCGT CTGTTTCCCATGTGGAAACAGCAGTTATGACCAGTAAGTATTC TGTTAAGAACCCTGTGTTAAAGACTTGATATTCTTCAACAC TTCAGCGGAAGCCCCACTGCAAAGGAATCATCTACTCAGGTC AACTGTTGATAGAATGGCTCAGCCAAGGCACTTAGCTGTGAT CCCAGAATGATATCTTCAGCACTGTCTGGTGAAGAGAACAGT CTGAGAGACATTCCATTTATTTTCTCAGCTACCTGGTGATGA AGATGTTATTTCCCTCCACATCCTATATGAGGGAAGTGGGTC TGGGGTGTAAATGACTAAAGGGCAGAGAACACAGTCAACAA GTAGAAGAACCAGGGCTCTCCTCTGAGGTTTTCTGGGTTCCAG ACCCTGTGTTCTTGCCATTCTACACATTAAGTGATTAGGGAC TACTGATGAGCAGCGGATGGATTGTGGTAATGCAGGAAATC</p> |
| MSTRG.16644.1 | 22.9 | 9670 | 0.02689 | 8.915 | up | <p>CTGGCAGGGGAGATACCATGATCACGAAGGTGTTTTCCAG GGCGAGGCTTATCCATTGCACTCCGGATGTGCTGACCCCTGC GATTTCCCCAAATGTGGGAAACTCGACTGCATAATTTGTGTT CTGGGCTGCAGTGCCTATGCCGATCGGGTGTCCGACTAAG TTCGGCATCAATATGGTGACCTCCCGGGAGCGGGGGCCACC AGGTTGCCTAAGGAGGGGTGAACCGGCCAGGTCGGAACGG AGCAGGTCAAACTCCCGTGTGATCAGTAGTGGGATCGCGC CTGTGAATAGCCACTGTACTCCAGCACGGGAGTTTTGACCTG CTCCGTTTCCGACCTGGGCCGGTTCACCCCTCCTTAGGCAAC CTGGTGGTCCCCCGTCCCGGGAGGTCACCATATTGATGCCG AACTTAGTGCGGACACCGATCGGCATAGCGCACTGCAGCCC AGAACTCCTGAGCTCAAGCGATCCTCCAGCCTCAGCCTCCCG AGTAGCTGGGACTACAGGCGCGCCACCGCGCCCGG</p> |

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| MSTRG.1356.1 | 0 | 0.15 | 6.56E-07 | 8.17 | up | <p>CGGGTCCGGCTCCAGTATCATCAGGAGGACAATGAGAGGTAG TAATCGATAGGTAACCTGACAGAAGCATGCAGGATATCTGAGC CAAAAGTCGCTCCCCTCCATCTTCCCAACTAAGAATGCTGT TTAGTGATCAAGCTGAAGTTCCAGTGTGTTGGTCATCTGAT GTGAACAGACAACCTCGTTAGAAAAGTCACTGATGCTGGGAAA GATAAAGGGCAGAAGGAGAAGAGGGCGTCAGAGGATGAGACG GCTGGACATCATCACAATAACAATGAATATGAGGGACAGGGA GGCTGGTGTGCTGCAGTGCCTGGGGTCACAAAGAGTCCGGAC ATGACTGGGTGACTGAAACAACAAGCAAAGGTATTGAGAC AAAAAGGTATGAGCTCCATGGAAGTAGGATGGAAGGAAGTTA CTAAGAAAGCCAGAAGAAGCGACAAAGAGGAGACGGGGTCTA TTGACTGAATATGATGAAAAGCACTTTGTCATAACCAGCAA GTTCCACAAAAGGGAACCCTTTGCCAACCTGGCCACGCTG TCCACAAAAATTCAGATTTACCCCATGCCCTGCCACAGGGCG GTGGGACGTGAGTGCCCAAATCTTTGGGGAGAAACTGGGTGA AGCAATAGTAGTGGTTCTTAGCCTTTCTCGAGGATTCTTGC TTAAATGCTGGGCAGATCTGGCACCAGTGTGACTTCCCCTT GCTTGGTGACGTGATGAACGAGTGTCTTTGGTTTCTTCTC TTTTTTCTACCCACATGCAAACCTGACTCCTCATTATGGT TTCAGGTAAAAACAATGCAAAGCTTGGCGCCAGAAATCCAT TCAAGACAGAACTTTGTGGTTTACCAGACTTGTGAGTCTCG AGACTTTATTTAAACCCACAGTTTATAACCTCAAAATAGTCC AACCCAGGCAAGTCAAGTTGTTTTTAGAAGAAGAAAGTTCTC CAGAAACCTAAAAATCCCCTATCTTTCAGTTCCTCAAGTGTTC CATCATTGAAGTCACAATTCCTATTTTATTACATGAGAATC</p> |
| MSTRG.6892.3 | 0 | 0.12 | 1.87E-06 | 8.087 | up | <p>AATACACAAGAGCTCTTTGGTTCTCTTTTTTGGAGGAAACCT GAGCCATATTTTTATTATCTCTTATGTCATCTTAGAGTAAAT TTAGAAATATATAAGTATTTTAAATTTCCATCTCATTTAAA CCTAATATTTTTCCCAAGTTTGTGTGATACATTTACTTAAAA AAATGTATCCTCACTTTTCTGTTATTTACCATTTTCAAAAA GATAGGAATCGAAAAATATATTCAAACATTTGGCTCATGATT CACTGGTTTTTTTTTTCAGCCTGTATCCCTCTTTGATATTTT AGCCACTGCCATTAGCAAGATTTTACTTACCCCAAAGTTAG TGTTAAAAAAACAAATCAGTTTGAAGAGTGGTGGTTGTAGAG AAATTATTACATTCTTTACTTCAGTAGCCCTGTGTTTACTAA ACAGAAACAGAGAACTGGAGGTGAGTTACAACCAACATTGGA AGCTACAGATTATCTTTATGATGTTCTTATATAACATGTTTT ATAATCAGGTCCCTTGATTTTCAGGTGGAATCTGCCAGTTCA TAAAGCTAAATGAGTCTTCCCTAATAGAACTTTTTGGGTCCAG TTACATAATTTTCAGTTTCCCTGGGTAAGGAATTGATTCATA TTTACTTTTTTTCACCTTCTGAAGAGGTGGGTTATTTTTGG TTCTACTTTTACACTACCACTTGGAGGAGCTCATTATGACAT GACATACTTTTGGAGTACTAATAATGTCTAGGGAGTAACTAT TCTCATTTCCCATAGATTCATCCCTCACATATGCTTAAACATC ATTTATTGGTCAGTTTCTGTTTTCTTTAGGTTACATATTCTT TACTATATTAGTATACTGTGTTTATGGACAAAAGAGTAAACA ATGGTTCAGAAAACTTTCTCAAAGGTACTCAGCTCTGCTA AACTTTAAAATCCCAACCTTACAAACCCCAACATACCTGTCA CTTAGTCCAAGGACTGATGAGAAGAAATTTGGTCAGTAGGA AAAGTTTGGAGCAGTTGGGTGAATATTGATTATTTCAACCATT</p> |

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| MSTRG.112338.2 | 0 | 0.09 | 9.39E-05 | 7.136 | up | CGCGCCGCCGCCCTCCTCAAGCTGCCGCCGCATGTTTT CTTCCTTATACCTGGCCCTGCCACCGCAGCCGGACGTTGTGC TCCTCTCGTCTGCTTCAAATGTCCGAAGCTGACGGGCGCCAG GTCCCGCTGCAACTTCTACCACTGCGCGGAAGACTCCGAGAG CCCCAAGCGCACGAGCGCTTCTGGCTACTGGGAGTCCCTGT CCCTCCGCCGCCGCCGCCCTCCTCCGTCTTCTCACCGAG CCAAAGCCGCCCATCTTGGTTCGCCCTCAATAGTGGCGC GCGCGGGGCCACCCAGGCAGCGGCTGCAGGGGCGGCCGTTG GCCCCACCATTTAAAGAGGCAGGAACGAAGCTGAATCAATCC AAGTTTGCCAGAGCACGTGGCTTCTCTCAAATACCAACAG TGAAAGATTCTGGGTGATCTGTTATCGGACCCACGTCCAA GGTCAGGGGTGGCGGCTGAAAGGAGCAAACCCACGTCCAAGG AGCGGCTGTTGCGCGGGCGCAGGAGGACCAAGAGGAGTACT CCACATTCAAGGTCAGGAGGGCTGGCTGTGAGGAGATACCCC ACATCCAAGGGAAAAAGCCTCCAAATCATAAAGAAGATAATA TAGACTCTGGTAGAGAAATAGAGAAGAGGAATCCTTTAAAAAG AAAAATTAATCTCTACAAAATGTATAAAGCATGGTTGTGAG AAAGGTGGATTCTTAACCCATTGAACCATCAAAGAAGCCTGA ACACCGAAGAAGTACGGTTTCAAATTGTGGTGTGAAGAAA ACTCTTAGAGTCCCTTGACAGCAAGGAGATCAAACCAGTCA ATCCTAAAGGAAATCAACCCTGAATGTTTCATTGGAAGGACCC TTGCTAAAGCTGAAGCTCTAATACTTTGGCCACCTGATGAGA AGAACTGACTCATTGGGAAAGACCCTGATGCTGGGAAAGATT GAAGACAAAAGGAGAAGAGGGGCGACAGAGGATGAGATGGTT GAATGGCATCGTCAACTCAATGGGTATGAATCTGAACAAACT |
| MSTRG.192050.4 | 0.01 | 1.05 | 1.25E-06 | 6.912 | up | CGGGCAACTTGGATGTTCTCTGCGCACACTGGAACGTTCCAT GTTTGCAGCGGTGCAGACCAGCAGAGAGAAGAGATTCCATC TTCCAGAGGTGCCACTGTCTGCCTCCCCACTTGTCCCCATC CTCGGTCACTCTTTTAAACACATTATTGACCAGAGATGTATT AATATGTCTTTTGTACCACAAATGTTATTGACTGGAGATATA TCAATATCACTTGATAAGAAATTGCTGGCCACAGGTGTTAGT CTCAGCAAAAATCCCCCGGTCAATAATGAGTTAATATGTAG TGACACATTAGTTGTGTAGTTATTCATAGTGAATGTGGTTTA AATCCTACACTATCCTCTTGACTTGAATATGAGCCTTAGTG TTTTTCTCACTGCAGTGAATCTTTGAGTTTGTGAACTCTTT CCCTAATGATATTGACTGTTTTCAATTAACAGATTTATTACC AGTTTCTGGTATAGAGTCTCAAATGAAACAAAGTATTTTTGA TTGTCTTTCATATCTTTGGCTAATTAGATACTTATAATGGAA CATATAAATACTTTTTTAGAGAATTTCAAGGAATAGTGTTTA ACAGAATTTGAAAATTACAAAATTATTATTATTGTTTAATA TTAATCTCAGAATGGTTTCCCTTTAAATTTGCAGTGAGTT TTCCCCCATTACTCATGATAAAAATAGATTTATTAATTGAA AGAAAATATATTTAAATGTCAAGGAAATAAATGAATAAGTCC CTTCTATTTGTTGCAGCTTATTATTTCTTGAAATGAATTACC TAAAAAGCCAAAAAGTTACAAATAAAATATTCTTGGTGATTA AATTTTCCAATTTGGCCTTGCTGTGTGAGAAGTTTACAAAT CAAAATGTGCTTGGGTGTGAAACATCATATGAGCCTGGCAC AGTGTTTTTAAGTGTATGGAGCTGGGCAGCAGTCTATCTCAT CTGGAGGCAAGGTTACAGCAGACTTTTATATTAATGCCGTTT TCGAGGCAGATTTTCGGTATTCTCCAACAGAGGCTTCCCCA |

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| MSTRG.224405.8 | 0 | 0.28 | 3.74E-06 | 6.636 | up | TTTTTTTTTTTCCTTTCGTTCCCTGTCCATTTTATCTAGTT TTATATAAAAAGTCTGGGATCCCCACAGTGGGGTTGAGCCA AGATGGTCAGGCCCTTGGCCTAACTCTGCCCAAATAACT GTTGGTCAGATATCGCAATGTGAATTTCTCTAGCCCCTAAA TAATGGCTGCAGCCTGATGGCCACTAGATCATAGGTGTTCTC CTTCCTGAGTGCCCTTAGGGCTCACCAGCTCTCGTAGGAAGG CTGCAATCAACTGGTACTATAGCATCCTCGTTTGCTGGTAT GGCAGAAGCTATTCCATTTCTCACTTTCTTAAACATCTTTTA TTTCTTCTAAGCCTACATCCCTTTCCCTCTCATTTCCTTAT TAATGTGATATTTTGTGTGTATATAAACTGCTTTTTATCA TTTATTAATAATTTTGTATTGTATTGAGATATCTATTATAT AAGTTTCAGGTATACAGCACAGTGATTCACAATGTTAAATG TTATTCTCTGCTTATAGTTATAAAATATTGACTGTATTCCTG TGCTGTACAATTAAGGTAGTATTTAAGCTGAATTCTAAGG AGATACTCATTTTTCCCTGGGTATCTCCCATATATACATGAG GTATACATGTTAATAAACTTAGCCACCTGATGCAAAGAAGT ACTCATTGGAAAAGACCCTGATGCTGGGAAAGATTGAAGGCA GGAGAAGGGGACAACAGAGGATGAGGTGGTGGGTGGCATCG CTGACTCGATGGACATGAGTTTGAATAAACTCTGGGAGTTGG TGATAGACAGGAAGCCTGGTGTGCTGCAGTCCATGGGGTTG CAAAGAGTCAGACACAAGCCACTGAACTGAACTGAACTTTT GTTCTTTTTCTCTGTAAATCTGTCTTTTATTAGAGCCTAG AACTCAGAGGGGTAGAGGGGAAATATTTTTCTCCCTACA ATACGAATATTTTAGAAAATAATTTTGTGTATCTATCTATGT AGTCGTGGCTGTGCTGGGTCTTTGTTGCTGGAAGGCTTTTC |
| MSTRG.102013.2 | 0 | 0.25 | 3.86E-05 | 6.009 | up | GGAAATAACAGCACTAACTGGAAGAGACGTGTGACCGCATGT TCATCACCGCGTGGGTACAGTGACCAGGGCGTGGGCACAGCC GAGGCGCTCGCTGATGGATGAGCGGATGAAGCGTGCGACGCA CGTACGCGGTAGATGCCGTTCCAGCCACAAACAAAGAAGACCC TGCCTGTGTGACGGCATGGATGGACCCTGAAGGCCTTATGCT GAGTGAAGTAAGTCAGAGAAAAGCAAACATCATACGGTCTCA CTTGTGGTAAAATCTGGGGAAAAAAACAACGAACCAATCC CAACAAAAGAGCGTAGTTCGGGAGTCACTATGAAGCCAGG GGAAGCAGACTTGGGGCTCTGGAGAATGGAGGAGCCAGGCGT TGGCGCATGGGACACCATTTATCTGATGCAGAGGCAATGGA AACAGTTTTTCATCAAATACCTGTATTATAGGTTATGGTAAAA GTCCAGATGTTTATATGAAGACGAAGTGAGCCCTCACTCCC TGTAACCTGTCTAGCTGCTGAATTCATCTGCAGCCGGTGA CTCTGCCCCAGTAAAAGCTCTTCTGGGGTGTACGTGGCCAA AAGCAGACCAACTGAAATTCACAAGGCACGAAGCTGTCTGC CACCTCCCCGGGCTCTGAGGGTGAGCATCGTGATCTGGAGG GAAGACGGCAAACGTGCTTGGGGCCGAGCGGATGTCACT CTAGTCGGAGCTGATGTGACGACCTGTGTACCTTCGCTCAG CACCCAGACTCTTTCAGCCGCCGTCCTTCCATGCCTGTTT CTGAGCCAATCACCAGGCCAGGGGCCGAGGGTGGAGGATGC TGCTTGGCCAGACGTGGGGCACGGTGCCACTTTCTGAGGGA GGGAAGTGCTTTAGCCCACCCACCCCTAAGGACCCATGGA AAGGAAGAGCATGGCGATGTCTCCCGAAGGAAGAGAAATGGG TGGCAGGTCTGCCTTCAGACGAGACCAAAGCCTGAAGCCTG TTCTTTGAGGAGGAGTCTGGAGTTTCCATCAAAGTGACTCC |

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| MSTRG.54320.15 | 0 | 0.16 | 0.00016 | 5.861 | up | <p>CGTGTTCAAGTCCCGTGTGGGCGTCCGTCCCAACCTCCCCTT CACCCCCACCCCTCACCCCTGGTAACCGGAAGTCTGTTTT CTACACCTGTGACCCCGCTGCTGCTTTGGAGGTAAGCTCTTG TGCGCTTTTTTAGGCCCGCACGTGGGCGACACCGCATCCG TTTGCTCTCCCATCTGACTTGCTTGGCCCCGTGTGACAGTC TCCGGTCCGTCCGCGTCCGCGTAACGGAAGCGCCGCGCCCTC GCCTGGGCCCGCCGCGGATTCAAGAGGTGCTTTCTCTGCC CTCCAGGTCTGTGACTCGTCTCTGTGAACGGGCTAAC GTGCTGCACGTGACTACCGGACGGTGAGCAACCTGATTCTG ACCGGGCCGCGGACCATCGTGATGGAGGTCATGGAGGAGCTG GAGTGTGAGCGGGCCGCGGCCTTACTGCGCACGTACGC GTCTCATCCGAGTTTCTGCACTGCTCCCTGTTGAATGTGG GAGAACCAGGGAGTGTGCTTTAAAAAAGAAAAAGTAAAA AGACAACGTCTGTGCGTGCAGAAAAAGTTGGGACACAGAAT TTTTCCCCTACGTAGTTGCGTTGCCTTACTCAACTCCGTT TGTGGTTCTCGTCCATTGTTTTGGTCTTGCTTACAATAAG TTGAGATGCTTCTCTCGCCGAAACAGCACCGTGCTAAATTTG CCTTCGTGGGAATCAATACAGTAGTTTTCTAGACTTTACAG TTGACTCTCACAAAACGAGCATGGATCTGTTTATCAGAGG ATCTCGAGTTCAGTAAATTTCAAAGCAACATCCAAAG GAATAGTGCTTGTAAACGGGCGTTTTGAAGTTCTAAGGCGT TTTTGACTTTTTCTAATTCCTGCCTTAGTATCAACTTCT AACTAATGTGTGTTTTCAATTACGGCAGTGGTCAAAGCAA ACACTTTGTGATGACGTGGGTGGGCGAGAGAGAGAGAATT ACTTAAACTATGTGGGCTCTGTTTTCTTCTGAGCCTGGA</p> |
| MSTRG.80654.2 | 0 | 0.29 | 5.23E-05 | 5.759 | up | <p>CCAGAGCTGGCTGCCCTGACTGAAAAACGGTGGTAGAAATA AATCATTGCCACGGAGTGCAGTTATTATGGTGAAAGTTCAT TCTTGCAGGTTGTGACCGCGGACTGCGGGCTTTTATTGAGGT GAGGAGATTCTGCTAGGCTCGCTGATCTGCCCGTCCGACAGA GCACGGGGGAATCCCTGGTGCGGCGCTTCTCGGGCTGAGGG GCCTTCCCGCCGGTCCCGTGAGCTGGGCGGCTGCGGGCGGC TCTGGCACGGTTGCAGCCTCCCTCTCGCCAGTGACTCACTCA CAAGGGGCGGGGAGGGGGCTTCCCTGGAAGCCGTGACGAGG AGGCTCGACCCGACGCCCGGGTTCCCTCTGTAAACAGGGT TTGGTGCCTGTAAACAGAGGCTTGAGGACTACGGGAAAAG GAGGGAAAAGGAGATGCCCGCACCCGCCAGTTGGGC TCCAAATCCCTGTGCTCGTAGTCCGACTAAGGGGCGGGAGAA CGAGAGATGGGAGGCTTTCTGGGGTTCCTAGGGGCCGGCTCG GCTCTGGCCGCTGCCTGGAGGAGGAATACCAGTTTCGATT CCCTGGAGACGGGAGGAGTTCCCATCCCTGACTCAGGCTGA CCCCCTCCCCTTCCATATGCTGAGTCATCGGCTCGAGGGC CAGGGCGCTTCGGATTGGGAGATTCTCAAGAGAGACTGGAAG GGGCTTTGCGCGCCGAAGGACTGAGCACCCGTCTAAACACTA ACAGGGGCGGGGTACTAAGAGCCCCGACCTTGCCCTCCT TGCTTAGATCAAGGGGTTCCGGTTTCCAAGCCGCTCCTCGC TCAGACCCAGGAGACCCGGTTCCAGGCCGTGGCTTACCAG ACTCAGGAGTCTGGTTCCAGCCACCCTGTCTCTCAAACGC AGGAGTCCGAGCCCCCGCCCCGCCGCCCAACCCCTC TCTCCGATTGAGGAGCCAGGCTCCCATCCCCTCTCCACCCC GTCCAGGCTCAGGAGTCCAGCTCAGGAGGAAGTTCAGGGC</p> |

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| MSTRG.9283.3 | 0 | 0.19 | 4.95E-05 | 5.681 | up | GGAGCGGGCCGGGTTCCGCGAGCCGGCAGCCCTGCGTGGCTG ACAGGCCCGGCTTCCCCGCTTGGCCGCCAGAGTCCGTGCGGG CGACGCGGTTGCCCTCTCCGGGCCAGAGAGTTGGGGACGCC CTTCCCCGCCCCGGCGCCCTAGCGCCCCAGCGCCCCCGG GGTCGGCGCCAGAGACCTGGCGGCCCGGAGGCTCTGACTTGA GGCGGCGAGGCGGGCTCTGGGGCCTCCCGAGCCAGGCCGAG TTAGTCTGAGGAAGCGACGGCGGGGACGCGGGTCAGGGCC AAGGAATCGGGGACCCCAACCGGACAGGCGCTTTCTTCCCCT CCCCCTCCCTCCGCCCCAGTCCCAGCCCCGCCCCAAGTTGCC TGTATCCGGTAGGACTGACCGTCTGCCCCGCCCTTACTCTGCT GCCAACCTTGCCCGAAATCTAGACCCCAGATCCGGATCTCC TGATGTCCATTGTCTTTTCTTTCTTTCCATGTACAGCTCTC CAACTGCACAATGAACTCCTAAGGGCACGGATTGAATTTTCAT TCTTTTTGTTCCCTGGACTGTATGAACTGAAGTAGCAAGTAT ATTCATTGGAATAATCAAGATACATGAAAAATAGTGGAAT ATAGTGATTTTGCAGAGAAGGCAATGGCACCCCACTCCAGTA CTCTTGTCTGGAAAAATCATGGATGGAGGAGCCTGGTAGGC TGCAGTCCGTGGGGTCACTAAGAGTCGGACACGACTGAGTGA CTCACTTTCACTCTTCACTTTTCATGCATTGGAGAAGGAAAT GGCAACCCCACTCCAGTGTCTTGCCTGGAGAATCCCAGGGAC GGGGGAGCCTGGTGGGCTGCCGTCTATGAGGTCGCACAGAGT TGGACACGACTGAAATGACTTAGCAGCAGCAGCAGCAGCATA GTGATTTTAAAAATCTTCATTGAATTTAAAAATACTTTAA AAATCTTCAAAGCTACAGAAAACAGTATGGAAATAATGTAAC AAACATGCATGTAGCCAGCCTACTGATGTAACAGTTGTTGAC |
| MSTRG.168210.6 | 0.01 | 0.43 | 4.48E-05 | 5.599 | up | GAAAACGACGTTTTTCCAGTCTTGTGGCCACTGCTGAGTTT TCCAAATTTGTTGGCATATTGAGTGCAGCACTTTCACAGCAT CTTCTTTTAGGATTTGAAATAGCTCAGCTGGAATTCATCAC CTCCACTAGCTTTGTTTGTACTGATGCTTCCCTAAGGCCAGA TGACTTCACACTACAGGATGTCTGACTGTTGTTGCTTAGGTC CTTTTATTACCATGCTGTGAAGAAGCCTAAAGTAGCCTACTG TAGATGAAAGTCTATCCATGATGGGAGAGTAGAGGTTACCCA CTGACAACCAGAACCATGTTCCAGAGGCCATCTGGGACCTAC AGATTGAGAGTACATCATGCAGAATACCAGGCTGGATAAATC ACAAGCTGGAATCAAGTTTCCCGGAGATATATCAATAACCT CGGATATTGAGATGACACCACCTTTATGGCAGAAAGTGAAGA GGAACATAAGAGCCTCTTGATGAAAGTGAAGAGGAGAGTGA AAAAGTTGGCTTAAAACTCAACATTCAGAAAATAAGTTCATG GCATCCGGTCCCATCACTTCATTGCAAATAGACGGGGAAATA ATGGAACCTGTGAGAGACTTTGTTTTGGGGGGCTCCAAAGTC ACTGCAGATGGTGATTGCAGTTATGAAATTAAGGATGCTTG CTCCTTGAAGAAAAGCAATAACCAACCTAGACAGCATATTA AAAAGCAGAGACATTACTTTGCCAACAAAAGTCCATCTAGTT AAAGTTATGGTTTTTCCAGTAGTCATGTATGGATGTGAGAGT TGAACCATGAAGAAATCTGAGCGCCGAAGAATTGGTGCTTTT GAACTGCGGTGTTGGAGAGGACTCCTGAGAGTCCCTTGACT GCAAGGAGATTCAACCAGTCCATCCTAAAGGAAATAAGTCCT GAATATTCATTGGGAGGACTGATGCCAAAGCTGAAGCTCCAA ATTTTTGGCCACCCGATGAAAACAACACTGACTCATTGAAAAG ACCGTGATGCTGGGAAAGATTGAAGGCAGGAGAGAAGGGGA |

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| MSTRG.135318.19 | 0.01 | 0.22 | 0.00035 | 5.438 | up | <p>CAGTCGTGTCCAACCTTGTCAACAACCCCATGGACTGCAGCCCA TCAGGCTCCTCCGTCCATGGGATTTTCCAGGCAGGAGCACTG GAGTGGGGTGCCATTGCCTTCTCCCCTGTGCCATGGGATTT TCCAGGCAGGAGTACTGGAGTGGGGTGCCATTGCCTTCTCCC CTCCGTCCATGGGATTTTCCAGGCAGGAGTACTGGAGTGGGG TGCCATTGCCTTCTCCGGGTGCATACCCCTAGGCCAACTGAAA TCAAAGCTTTGGGTGGGTGCCATTTCCCTTCTCCAATGCATG AAAGTGAAGAGTGAAGTGAAGTCACTCAGTCGTGTCCGACT CTTTGCGACCCCATGGACTGCAGCCTACCAGGCTCCTCCGTC CATGGGATTTTCCAGGCAAGAGTACTGGAGTGGGGTGCCATT GCTTTCTCCATCTGGCAGGTGGGTCTTTACCACTAGCGCCA CCCAGGAAGCCCAAAACTTCAACTACCATCATCCACAAGAAA TTCTGATTTAGCAATTGAGAATTGGTAATGAAATCAAACAC CTTCTTTGGGAATCTGATTTAATATTTTGTATTGAAAAATG TGAGTTTATATGCATTGAAGTGATATGCTTAGAGATATTAC TTTACAGATTTTCTGTGATCTTTCCTGTGGAAGTGCATAG ATTACATGTTATTTTCTAAAAATGGCAAGTATCTGTTCACTG TTCTTTGTTGGCTATGCTAAGTTAACTTTTAAGTGAACCA TCCAGCTGTTTTAATTTTATTTTGCAGAGTGTGTTAATG ATAACAGCTTTTATTAAGTCCTTATATATGGCGTTGCCCTGA TCCCTCTCCTCTTATTAGTTCCTTCTTTTCTTTTACAAGCAT AGCTACAATTTAGCTTATCTTGGTCCACCACTGAGCTTTTA TTGTTTAGGGCTAGAGTCTGCCATGTATTGATACTCTCAAGG CTCTCTTTTTTCTGTCTACCATCAATAGTGTGATTTTGT CTCTCACAGGTTTAAAAAAATTTTTTTTTTAAGAAGAAAAA</p> |
| MSTRG.133391.2 | 0.22 | 10.9 | 0.00505 | 5.415 | up | <p>CGACGTCGGGGCGTGGCCCGTGGGGCGTCCCGTGCCTCG CCCGCTCACCCTTCCAGGTACCTAGCGCGTCCCGGCGCG GAGGTTTAAAGACCCCTGGGGGGGGGGTGTGCGCCGTCG CCTTGGGGTTCGGGGCGGTGCGGCCCGGGGAGTAGTCGGG AGCTGCCTCCCGTCTCCCCCAGACCCCGCGTCCCCGAGG GGACGGGGTGGCGCGCGCGTGGCGGCCACGGTCACTGCCG CCGCGGCCGTGCGGAGGGGGTACCCGACGGCCGTGCTGTGG GCCGTGGCCGTGTGCGGCGCGCGTGCAGCGCTGCCCGCG TCCCTGGGGGAGGGTTGGGGGCCCCCGGGCGCTGTGGGGT TGTCCGAGCCCGCTGCGGGCTTGGCGCCGACGCCCGTCT GTGTGGAACCTTTCCCGACCCCTCCGTTCTGCTGTTTTCTGT CTGACTTGGCCGCCAGAGGCAACCCCTGCCCAACTCCCA CCTCCGGGAGGGAGGCGGGGTGGGTGGGATGTGCC</p> |
| MSTRG.157991.6 | 0 | 0.16 | 0.00275 | 4.495 | up | <p>AATCGCTCGTGTACGAGGGCACTGGGAACGCGCCCGTCCTA CCCCACCCTGTCCAGGATGGAAGGAAACGAAGAAAGCCACGA GAAAAACTGCCCTGCCCTCCCTCGTCTCTGCTCTAGCAGGAG GGGACCAGGAGATGGCAAGGCTCGGCTGGGCGCTTACCAGC GCCACACCTCCCTACTCCCTTTCCAAAGATGAGTTGCGCTGG GGAGCCCCAGTCCCAAAGACAAACGATTTCTTCTTAAAAAT CTTAGCCAGAAACTTCCCCTCTGTACCAGTGCACAAGCG AGTCGTTTGGCTGTGCGACGTGACCACTGATTCAAGAGTCTC TCCGGCATCCCCTCTCTGCCCTATGTTCTGCCCCACCGCC CCCTCTCAGGCCCTCCTCAGTTTCCCCTAGAGACCCTCTAG GGCCCTGCTGAGCTCGGCCCTCCCTTCGGCGACTTCTTGAGA TGACTTCTGCAGCGCTGTGTACCCAGGTCTGCGCTCGGCGAT TCGGACTGGAGACGCTGCGGGCGGATACCTGGAGGCAAGGC AGGGAGGATGGTTCCCCGGGAGGGTGTGCTCACTAGGGG ATGAGAGATCAATAAAAGAAGCCGATTGAGG</p> |

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| MSTRG.40315.3 | 0.01 | 0.18 | 0.04463 | 4.487 | up | <p>GTTACTTTCCACAGTAGATACTATATTTAATTCAGAGCTTGT GAGAGCCTGGAACATTGCAGTAGATTGAATGACTTTTAACT GGGAAATCGAAGGTCCGTGTTCTTTGGAAGCAAGGGTCATAG TCAAGGTGGAATGAGGACACAGTTGGCAGGCGTCAAGGCCA CCCCAGCGCACAAATGACCTGACAGTCCCTGGGGACTTCAGA GAGCCACCCTGATGTTTCTCCTAACCATAGATTTTAACTGG TTTTCTTCTTTTTTACCTGAGAAATTGTGATTGGCTGTCAA CACCCCATCTGCATCCCCAGCATATTCTTGTGGTTG GTTGGTTTTGTTTACTGAGATAGTCACCCCTCTAAAGTGT CAGTTCAGTGGTTTTTAATATATTACAAAAGTTGTGCAGCCG TCGTCAGTGTGCAGCCATCACCTCCAGAAAAGAACCCCATGC CTCACCTGTGCTCGTACCACCTAGCACTCCTCCAGCCTGT GAGCCCCGGCAGTACCTGTCTGTGGATGTGCCTCTTCTGTA CATATGACATAAATGCATTCATGCAACATGTAACCTTCTGTG TCTGGCTTCTTTCGCTCAGTGTAGTGTCTGGGAAGATT GAGGGCAGAAGGAGAAGGCCTCGGAAGAGGATGAGTTAGGCG GTTGGCATCACCAACTCACTGGACGTGAGTTTGAGCAAACCTC TGGAAGATGGTGAAGGACAGGGGAGCCTGGTGTGCTGCAGTC CATGGGGTCACAGAGAGTCTGACATGATTAAGTACTGTAC AACGTTTTCCAAGGGTACCATATTATCGTCTTCCCTCAGTAT TTCGTTCTTTTGTGGCTGGGTAGTATTCCATTGTATAGACA GACTACAGTTTATTTGTTTCATCAGTTGATGGACATTTAGATT GTTTTGACTGACATGAATAGGGCTGCGGTGAACATTCACATA CAAGTGTGTGCGAACATGATTTTTAGTCTCTTGGACTA AAAGGAGTAGAATTGCTGGGTCTACGGTAATTCTGTGTTTA</p> |
| MSTRG.174668.3 | 0.01 | 0.12 | 0.0257 | 4.303 | up | <p>CATTGCTCCAAAATAGCTTGTTTAATATTTGCAGAGTGGTTC AGGTCTTTTCTCTCTCTGCTCTCAAAAAGATGCTATTCCCT GTGATAAAACCATTACAGTCTTCCAAGTTATACATGACTT TCAGGCTTCAGCCTCCATAGCAGCAGTCTGCCAGGAGACCA GTACAAGGACCAGAAGTACTGAGGATGAGCAAGGAATCTCACCAG ACAGAAGGTGTCTGAATAAATACACGGATGCTCTGTATACCT AGTCAAAACTACAGCTCACCTATAGGGAGCGGTATCTACTAT ATCTACGGGGTGGCTAGCAGATTATGTGGACCAAACCTGGACT TCACCAATAAGTAGTCATTTTAAGACTTCTTGAATGGGGTT TCTCAGAATTACTTATTGTATGCCACTGCCTTGGCTGTGAGA GACAGGAAGAAAAAGAAGAGACCATCGTGAGAAACGTCTCG AGACCACCTGTGGCCAGTGTGAATGGGGTACATCCGTGGCC ACAAGGATGCTGTTTTGTAGTACCTGAGGACTCACTCACGTC CCTGTGCACTATGGTTCCTAATGCTTGACTTTCCTCTTCTT TCATTCTACTAACCAGATGTGTCACTTTACTCCAGAT AACCAGTTGAATATGCTGCTCATATCAATAATCTATACAA ACCAAGAAGCTGTGAGATGAATAATACACAGCAAACAATAC AACAGAGTAATCTCTTTTAGCACTGTATCTACAGAATGTCA TTTCTCTAAGCCATATGAGCAGAACTGGCTTTTTATACAAT TAATGGTCCAGAACCAGATGAGAATTTCTAACTAAAAATGCT GGAACATTTTCTATCTTCTCTCAACCATAACTCTCACTGAAA TCTATTGCACTGGTGATATACTGTGGATCTGAACAACACA GAGTTCACAGGCTCAGAGACTGATACACAGGACACACAAAG TCGTGAATTACTCAGAGAAATCCGAGGAAAGAATTGCTCCC AAGGAAGTATAATTTAAATCTTTCATTATAACCTATCAAAA</p> |

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| MSTRG.196420.13 | 0.02 | 0.3 | 0.03121 | 4.253 | up | <p>CTCGTGTCTTCGGTTCTCGTGATCTGGCCGTTTCGTCCGTT TTCAGAGAGAGGGCCGGTGAAAAATTTTTGTGTGTGC CGGTGAAATTTAATCAAGGAGTCCCTTTCTGCCGGCCTTGTA CAAGAGAATTTTACTTATACAAGAGACTTTTGCTTTCGTGAG CGGCATTGAGACAGAAAAGCCTGGCGGGCTACAGTCCATGGG GTCACAAAGAATTGGACACGACTGAGCGACTAATACACAAGG CTGAATAATATTCAATTCCTGTGGGATCTAGTTCCTGACC TGGAGTCCAACCCACGCCCTCTGGAAGCGTGGAGTCTTAACC ACCGGATTGCCAGGAAAGTCCCTCAATATGGTTCATGTTTGC ATTTCCCTAATGATTAGTGATGTCAAGCATCTTTTTGTGTGC TACTGGCCATTTATGTATTTTCTTTGGAGAAGTATTCATTG AAGGCTTTTTCTCACAGTCATTTTTAACACGTACATATATT TTATAAGCTTCCCAGTGGTAAAGAATACACCTGCAGTGCAGG AGTTGCAGGTTTGCAATGCAGGAGACTTGGGTTTGATCCCTG GATTGGGAAGTCCCCTGGAGGAGGGAATGGCAACCCACTCC AGTATTCTTGTCTGGAGAATTCATGGACAGAGGAGCCTGGT GGGCTATAGTCCCTGGGGTCCAAGGAATTGGACGTGGCTGAG CCACTGAGCATATACATATATTATAGATTATGTAAACGTATT GAATACTTCAAGATCTATGTCAGTTTTTTGGTTTTAAAGGCC ATAATCATATCCCACATACAAATATCTGGTCATTCTTTAGCC CCTTGCTATACTCTAATGGATATTTGGTTTGTCCAGTTTT TACCCATTATAAACAGTTTGTACAATAGTAAACAAGCTTGAA TACACACACACATCTATTTATCTGTCTATATCTGCACAGTTG CCAAGGTTTCTCTTAGCTACAGTCTGCAAGTTGCTAGTTGA AGGCATGGGGATATTTAAAAATTTTATACACATAAAATTCGAA</p> |
| MSTRG.67057.2 | 0.15 | 2.42 | 0.00541 | 4.179 | up | <p>GCCATCTCGGTCTTTCGTGGCTGCGAGCCGGGTGTTCTCCGT TTTTGTATGCTGCTAAGAAACGCGGCAGGCATGACTCCAGTG TGGATTTTGATGGCTTCTGGTGGGCAGTTGTGTACCAGAAGG ATGACAACACTGCTGTGGTCTTAAAGCTCAAGCTTGATGCT CTATCTATGAGCAGACAGCCATTAAGCAGACTTGACTGGAAG TTGAAGAGGCATTTTAAAAATTTGTGGGGCGAAAATTTGTCT TTGGCTATAGAAAACCACTCTTTTATTTCTTAGGTGAACCTG AATCCTTGACCTGTCAAAAAGCAGTTGGCCTTTTTGATGATGG CTACATGTTTTTTTCTATGGATGACTTCTTTGGGGTGTGAAG AGAGGTAGAGACTACGTCCATGCAAGGAACCAAGAGTTCTAA CCAAAGGCAGATGTTTTGTTGTCCTGAAGATTTCAAGGGCAT TTATGATACCAGTCAGATAGAACAGGCAGCCTGATGGATGCA CATGGGATAGAAGAGCAAACAGCTATTAATTGACTGCTGCTC TGCACAGCTTTTGGGATCCTAGCTTCTGACAAGGGATCAAA CCTGTGACTGCTGCAGTGAAGCTCAGCGTAACCATTGGAC CCCAGGAAATTCTCCAGCTTTCTATTTTAAATAATGTTTATA</p> |

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| MSTRG.231934.33 | 0.03 | 0.48 | 0.0205 | 3.769 | up | <p>TGGATTTAACGCGAGGGGGAGAGGGGCGCATGCGTATTTCAA GCGAAATGACGCGAGGAGGCGCGCAGCGTACGCGTAATTAAG ATTGCAAAATGGCGAGGGGGGAGGTGACACAAACTTGATCA GAAACCATGCCACAGGTGAAGAGGTATATTGAGCCCTGCCTG GCCAGTGAGGTTACTAGAGAATTGGAAGAGGCTCAAGTCAGC ATCCTGCACATGGTTATCAAACCATTGTGAAGTCTTATCACC TGGGATACTTGTAAAAATGCAGATTCTTGGGCAGCTAGAAA CCTTGCTCACTGGTCAAGAGCAACAAGTAACAAGACCTACTTG TCACTTATCCTGAGGCATCGTGCCAGTGGGTTTACCAGCAA ACCAGAATAAAGCATCATTGCCCTGGATGTCCTTGTGAGATG GTTGGGAAGTCTTGGCTGAACTGTGGAGAATATCTTTGAAAA GTGTTTTAGAGAGTCTACCAGATTGGCCATGTGAGTGCCTGT GCAGCAGAAGAGTGGGTCTTCTCAGTGGTTAAGGTAACAAAG TGATTAAGGTAAGTGAAGGAGGAAAGATTGACATTGTCTTGA CTCCTATTAGGGAGGCTTGTAGGAATGTCATTTCTAGGGGCC AGTAATTTTAAAGCCTGTAGTTTATTCTACAATATATCCTTC TCAAAAACAGTTGGGGTAGGTTATATGCTTACCCAGTCTGAGA TCACCCCTGCAGAGGATCAGAAGAATTGAAATGGTTCCTAAG TAAACTAGGTGGCATAAGCTGCATGTCATAAATAATCTCAGC ATGCACTGATTACAGTCCCTTTGGTGAGAGTCTATTCTTTCA AACCAGACTTATTGAGAGTTTTTCTTTATCAGCCTATGGAGC TGCATACATCTTGTCAAAGCCAGCTCATTAGCAGAAGCTTA TTATTTAAGCAGCAGACAAGAATATAACACTTTGAATTAGTA ATTTAGAGGTAGCAGCATCTTTTAGTATAATCCATTTAAAC TGGACTAGCATTCTTTTTGGCTTCTCAGGCATTGACCCCTT</p> |
| MSTRG.216124.1 | 0.01 | 0.17 | 0.00535 | 3.602 | up | <p>TTTTGTTTCCAGGAGCCCTCAAGTAGCCAGGCCCTCCAGCTC TGGAATATCCTCTACTTGGGTTCCCTTTGTATTAGCTATAG TATTTGGTATTTTCAAGAAAACCCTCCTTCCCACTTTATACCA GCAGGCAGAGGAACCCATTGATGGGGCTCGGAAGTTGCCTGA AGGTATTTTATGATGTCCTAATAATCCGGAGCTGCCTGTTTA AGAATTTGTGAACTGCGATGGTCCTTTCCAAAAGAAGATTTG CTTAGGAAAATGCTAGTGTAACAAGATCTTCAGGGGAAGAA CTGTAAGCCTGAATGCCAGGCAGCAGTGGACATGAGTTCCCT ACTGGCCAGCTGTCAGCAGTAAAAGGGGCGGAACCCGGAGA GATCCCAGCAGGTGATGGAAGACCGCCTGTCAAGGACAGCAA GCCTTCTGTGGTCTCTGGTCAGGGATACTGGAGGCCTATTCTG CTCAGCCTGGAGATGTAGCCATCAGCAAAGGCAAGCATCGGT GAGCTGTGTATGCCCCAGCTTAGCACTCAGCATGCTCCACC CCAGGGTACGTGTGGCCAGAGTAGCAAGGGTCCCATTCTC TCATTCTTTTTGGTCATTTATCCATCCATCCAGAAGTGTTC ATTGAGTGCCTGATGTAGGTCGAGCACTGTACTAGATACCAG AGTGAATTAGACCACAGGACCCCTGCCCTGTGGGGTTCACTA GTAAACAAACAGGCAGGTTTCTAGTATATAGGATAAGTGCTC TGATGGTGAAATCCAGGGTTGGTAGAAGGCACCTCTTGTC</p> |

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| MSTRG.130001.2 | 0.08 | 0.81 | 0.01101 | 3.508 | up | <p>TTCCCGGTGACGTGCTCAGGACTCAGCAGACGGATTTCCCTGC GGGTCCGGCTGCATCTATTTCGAGGGGCGCCAGGAGTCCCTTC TGTTCTCCTCGGGCTCGGAAGTAGAAAGGATGGTGTCCGTGT GGAGGCGCTGTGTTTCGTGGGTGTGAGACGCGGATACGTCTG TGTGAGGATCACAAAGCCGACAGATTGGTGGCCTCTGTGGCG AGGTCGACCAGATGGCCCGACAGGTTGTTGGGGATTTTTGTT ACTATTTGTATTGTACTGTAGGTATTCAGTGAGAAATCTCGA AATTAATTATAATGAAAATCACCATTATCATTGTTACTCAAC AATAACGTAATTATTACCTTTGTTTGCAGTTAATTTAAGAAA CACTGTTTCAGGTTTATCCACAGAGTATCCAATTGAAGACGA CCAGAGAAGGATGTTGAAGTGAAGAACTTTCTTAACACACTG GGAAGTTGGGGAACCTCTCCTTCTAGCCACGAGGCCCTGCCC TGCAGCAACCGACCTGAAAAACCAGACCCAGCCCCTGCAGC AATGGGCTCCAGGATTCAGTGCCTGGCCAGAACTGACGATT ACACAACCTCAGTTTAAACTCTGTGAAAGAAAGTAAAGTTGCT TGGTCATGCCTGACTCTGCAACCCCATGGACTGTAGCCTACC AGGCTCCTTTGTCCATGGGATTTTCCAGGCAAGAGTACTGGA GTGGGTTGCTGTTTCCTTCTCCAGGGGATCTTCCAAGCCAG GGATCCAGCCCGGTCTCCACATTGTAGGCAGATGCTTTCC CATCTGAGCCACTTAAACTCTGTACTAGGGATCATATAACAA CAATGTATCCTGCTTGAGGACAGTTTCTCCTTCTGAAAACC TTCTGATTAATCCTGATATCTTAGAATGTATATTATGGGAAT AGGTCTGGTAGGATCTTCTGTAAATTTCTAATCCTCTTATC CTAAAATGCTAATTGTGGGAGTGGGTCTGGTAAACCTTTCAC AAACTTGAGACATTCTTTTGATTTAATGTAGAAAATAATTTA</p> |
| MSTRG.138781.2 | 0.01 | 0.18 | 0.00267 | 3.466 | up | <p>AACATTTGGGTGCATTTCTTCCACCTCGTCCACGTGAAGA TAAATGTTTGAACAGTTGGGATTGCACCAGGCGCCAGTGGGA GGGGTCCGGCCACCGTGAGCCTGCGGCAAGCGGCGCACCAT CGCCTACATGGAGGCGCTGTCCTGGCTGGGTTGCTGCCCCCA GAGCCGGGGCGTGAGGACCGCCTGCACCCAGGCTGTGGGAT CTGACACAGTCATCGTGTGGGTGACCTGCCTCCAGGCCAGGG TGTGTGAAACTCGAGCCCGTGGTGGGGCGTCTGTCCAGGGCG TGGGCTGGAGGCTCAGGCAGCACCAGCCAGAGTGTGGAAGCG CACAGGCTGCCCTCCCGACCTTGCTCTGGGGCCCCCTGTG GACAATGGGTTTGTTCCTTTCTAAGGTGGACTTTGCATTTT AAAATTTCTTTCAGTGTATACAAATTCACAAAACTTTTCT GCTACAAAAATTTTGTGAAAAGTAAGGCTTTCTGAGAGTGA AAATCCTCACGAGCTCTCCAGGGCCTGGGAGTCGTGTCTGC CCACGGGCGTGCCTGGCCCTGGCCTCCACCGGAGTAAGG CAAGAGGGTATGCGGTAATGTAAACGCTGAGGCTGCCGCCCC GATGCCCGGCCCGCCCCACGGGCAGCGGCTCTGTTAGTCG GCGGCTTTAGTGAGGGTGCCCCAACACGAAGCCCCCACACC TTCAAATGCACGACCCTGCTCTTGTCTTCCAGGCCCCCGGG CAGGCAGACAGCCTGGCACAGCCCTCCCTCCTAGCTCTGAAC TTCCTCAGTTCCCCCTTACAGGCAGGAGTTCATGGGCTGCAC TAGGCAGGGTCTGGCAGAAGTGAGGTTCTGGGGCTGGGAAAG GAGGCACCAGCTGGCCTGCTGCCCCCTAGGGACACCCCTCAC CCCAGGGTGGTCAGAGAGAGTCTCCCTTCAAGACCAGGAGTC CTGGTGCTGGGGGAGCAGAGCCCAGAGACGGGCTCAGGCAG CACCTCCTATAGACAGATGGGGGCTGCTCTTTGATGGGAA</p> |

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| MSTRG.141898.2 | 0.03 | 0.39 | 0.00185 | 3.427 | up | <p>GCTGCTTTAACCCCTTCCTGCCCTCCCGCCGCTCAGCCCTC AGCTGCTCTGGGAAGTCCAGCTGGGGGGATGGGGCGGTGGG GAAGAGTGGTAAAGAGGAAGCTGAAGTTTTGAAAAACACTC GCTGAAGACCCAGGTTTCATGGATGGAAGCGCCAGTTATCTGT GCGCCACAGGCAAAGCAGCCTCCCTTGGATAGCATGACAGGC CTAAAGACCTCACCACTTGGCTCCCAAACAACCTTTTCTGGG AACAGAATGCTGCTGCCTGTGTGATGCTGAATGGTGGAAAGA AAGCGGGAAGCAGCCAGATGTAGCGGGAGCTCCGTGGCACT CGTTTTCTCCCCATTCCGTCCCTGGACACGCTCCAACCCCAT CCGCCAGCTTTTGGGGGCCCGTCCGCGGCCCTGCCCCCTT CCCTCTGCTGCGGTTGTAACAGGTTTCATGGCTGTGCCCAGC CCTCGCAACCCAGACAGCCAGGCGCGGAGGGAGGGAGCCCC GGCAGGGCCCCACCGCGGGCTCCCAGGCCCTTTTAAGCGC CCCCGTCCCGTCCCGGCGCCCCCAGCCCCGATCCCCGGC GCCTCGCCACCCGACGCGCCCCGCTACCTCGGGAGGCGGC GCGGGTCTCAGTCCCGGAGGCGGATCGCAGGCGCAGGCAGCC CCACGGCCATGACTCCGCCCGCCCTCGGTCTGGCTTGGCAG ACCGTTGACGGATTAGCATCTATTTTTAAGCCATGACACGC</p> |
| MSTRG.133381.13 | 0.08 | 0.84 | 0.00699 | 3.398 | up | <p>GTAGCATATGCTTGTCTCAAAGATTAAGCCATGCATGTCTAA GTACGCCCGCCGGTACAGTGAAGTGCGAATGGCTCATTAA ATCAGTTATGGTTCCCTTTGGTCGCTCGCTCCTCTCCTACTTG GATAACTGTGGTAATTCTAGAGCTAATACATGCCGACGGGCG CTGACCCCCTTCGCGGGGGGATGCGTGCATTTATCAGATCA AAACCAACCCGGTCAGCCTCCTCCCGCCCCGCGGGGGGC GGGCGCCGGCGGCTTTGGTACTCTAGATAACCTCGGGCCGA TCGCACGCCCCCGTGGCGGCGACGACCCATTGAAAGTCTG CCCTATCAACTTTCGATGGTAGTCGCTGTGCTACCATGGTG ACCACGGGTGACGGGAATCAGGGTTCGATTCCGGAGAGGGA GCCTGAGAAACGGTACCACATCCAAGGAAGCAGCAGGCGC GCAAATTACCCACTCCCGACCCGGGAGGTAGTGACGAAAAA TAACAATACAGGACTCTTCGAGGCCCTGTAATTGGAATGAG TCCACTTTAAATCCTTCCGCGAGGATCCATTGGAGGGCAAGT CTGGTGCCAGCAGCCGCGTAATTCCAGCTCCAATAGCGTAT ATTAAAGTTGCTGCAGTAAAAAGCTCGTAGTTGGATCTTGG GAGCGGGCGGGCGTCCGCCGCGAGGCGAGCCACCGCCCGTC CCCGCCCCTTGCCCTCGGCGCCCCCTCGATGCTCTTAGCTG AGTGTCCCGGGGGCCGAAGCGTTTACTTTGAAAAAATTAG AGTGTTCAAAGCAGGCCGAGCCGCCTGGATACCGCAGCTAG GAATAATGGAATAGGACCGGTTCTATTTGTTGGTTTTCG</p> |

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| MSTRG.110124.3 | 0.01 | 0.14 | 0.01903 | 3.346 | up | GGAGCAGTTGCGAAGTGAGGTTGGCCTGCGCGGGTGAAGCA AACGTGACGTCAGCTTGTGGCCTTTGCTGCTAAGTCACTTCA GTCATGTCCGACTCTGTGTGACCCCATAGACGGCAGCCCACC AGGCTCCCCGTCCTGGGATTCTCCAGGCAAGAATACTGGA GTGGGTTGCCATTTCTTCTCCAGCGCATGAAAGTGAAAGT GAAAGTGAAGTCGCTCAGTCGTGTCCGACCCTTAGCGACCCC ATGGACTGCAGCCTACCAGGCTCCTCCGTTTATGGGATTTTC CAGGCAAGAGTACTGGAGTAGGGTGCCATTGCCTTCTCCTTG TGGCGTTTGGTAAAGGCCAAACTTTACCAAAAAGTTTGTCACT TCTGTAAAGGCAGAGCCACCTGTGTGAGGAGGACATCAGCAA GCAGAGCTGAGAGTTCAGGAGAGATGGTTCCGGCTGACGTCC TAAACTCCCAGTGCAGCCCTGGCGGACGCTTGTGGACTTA GGGACCTGTCCACCTGTGGATGGCTACAGAAAAGGAAGAAATT AACACTTCTTGGTCTGCCAGCTCTCCAAGTAAAGTCATATTC TTTGCTCAAGACCTTGCTTTGATTTATTGGCCTGTCGTGG GGTAAGCAGAGTGAGCTTGGACTCCATGATAATCCCACATGC CTTGCAAGTCAAAAACCAAAAACATAAACAGAAGCAATATTGT AACAAATTCATAAAAGACTTTGAAAATGGATCATATCAAAAA GATCTGAAACCAAAAAGTAAAAGAACTCGGTGGTCTGTCTGA AATATTTAGAAAAGAAAATGGTGCCCTCATGCCAGTACCCC CTGAAGTCACACAGGGGACACAACCTAGGGGAGGTCCCTTAT CTCGTCCAGGGGACTGTCATAACCAGCCACCATTTCTCCCTGC CCATGATAAACACACTGTAACGAGGGTCATTGGCACCTGGGC CAGTAATGCTGTGAACACCTGGATTCTTTGTCCTTGTGAGAT TTGATGTGAAGATAACACAGAAAAGAGAACCAGCCAAGAAGGA |
| MSTRG.154624.1 | 0.02 | 0.26 | 0.00726 | 3.329 | up | GTCTCCCGTGGCGTGGAGAGGACTTTTGTCTTGAAGTGCCTG TATCCGCTGTGTGGAAGGTCCAGGAAGGCTCGGGGATGCGGG GAGTGAAGTGAGCATGTCTAAACAGTGTAGGCATATGAGGT TGAGGTGGGGCGGGCAAAATGCGATGTTATGTATTTGAAAC CAATATAATTGTAAAGGGGTGATGTCATGTTGATATTAGTA GAATATACTCCCGATTTGTTGATGCTTATGCGATTTTCCCAA ATGGGAATTGAGATACTGGGTGAATATGCATCGCGTTTCC TTTGGTTTTTTCATGCATACAAAACAGACTTCATTGATTAA TGTTAGCTTTCTATTTTATTTTATGCAATAAGGTGATTTAT CAGTTATCACATAGGTGTGCAGCAGAAGTTTGTGCTACTGA GAATGTTTTGTGTATGTAAGCTCCTGAGGTTGTAAGTGAAT CAGATTTGCAGAGGAGCCAAGAGCCGTAATGTGACCAGTTTT TTCATCTGACGGTGAGAGACTGCAAGTAAACCATTTTCCCTA CTGGTTTTCTGTCCTTTAATCTAGGACGTTATTTCTTGAATC GTCAGCTGACTTGCTTTCACATATTACCAAGTTGCTTCGTCC TGGCCTAAACTGATTTAGTGGTGTCTGATTTTTTGAACCCCT ATGAACCATAGCCTACGAGGCTGGTTTGTCCAAGAGATTTCT CAAGCAGGAATACTGGAGTGGATTGTCATTTCTTTCTTCAGA GAATTTTTCTCACCCAGGGTCAAGCTCGGATCTCTTTAAGT CTTCTGCACTGTTTCCACCCAGACGCTGCAGACTGGCCTG CAAAGGGGAAAGTGGAGTGTGTGTGTTTCTGCTCGCCAGTC ATCTACAAGGCAACAGCCAAGACTTCCACTCACCTGCAGACC CACACAGCCCACCTACTGCTCCACACAGAACCGCAAAGGGA ACTTTGCCAGAACAAATGCCACTCCAGCAGCTTTGCGATTTG GGTGAATCGGGTCTGGGACACTTCAGTAAAGGGTGGGAAC |

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| MSTRG.221949.1 | 0.05 | 0.56 | 0.03399 | 3.19 | up | <p>GTCGGAACCTGGGAGCAGATCATAGCTGCTAGGTTAAGAAAT TGATTCTCCCGCAGAAAACAATGGATTTCGGTGTAGCGGAACT GTTACGTGGAGATGCTAAGGTAATTGTTGAGAGCTTAGTTTT AAGTTGAAGGAATAAACCTGTTGATTTACAGGTTGATCAACC TGTAAGATGATGCATCATTGAAAATTTTTTTTTTTTTTAA GATGCAAAGGTACATTTCAAAACACGCCGACAATATTGGCT GGAAAATGACTTGGTTAAAACCTGATGATCTTACCAGCATT TGCAGGTTGATGAATACTAATGAAGCTGTGGATGTCAGT CAGCTTCATTTAAATGAGGGTTGCTGTCTGCCTGCTGTCT GCCTGGTGTGCTGTGACATTTTGAAGGTGAAAACATTTCTGG CTAGTGCTGCGAGATTTACTTGTCTGTCTTATGAAAATCTGG TGATTGGGAAAACCTCCAATGGATGTGGGAAAGAAAGTTCAAG ATGAATTACATTTTTTACATTGGTTTGTAAATAGATTCTGAAC CAGCATCGAGTCTAGATAATGCATCCATAAGAGTCAAGGCAT TTCTGTTTGACCATGACACTGCTGTAGAATCATAACCTGTTA ATCAGTGTATTACTTTCTAACTATTTTGAATGGAAAATCTT TTCTAGTTATCTAGCCTTGAATTAATAATTTTGAATAGCC TTTGGTTCTTTGTCTGAATTGAGTTTAAAACCTGTGTGATTGT AATTACACCAAGTAAAAGTGTGTACTCTGCGGTGGAATCTT CAGTCAGGTTTCTAGGGAGAGATGATTTGGTTTGCAAGAAT AAGTAATGTGCAAAACATTAGCTTCAGAGTGTGGGGTGAGA GCAAAGTGGGAAAGATGGGACCTGTTAACAGTGAGGGAAGGT CACTGATAAAATCTGGGTAAAACCTGGTCAAGCATTGTATGG AATGGGTAGTGTCAATAATAGCATCTAATCTAACCAAGGTG GTTGGGCCCTGCTGCTCCTGCTAAGTCACTTCAGTCATGCTC</p> |
| MSTRG.43629.35 | 0.06 | 0.59 | 0.00234 | 3.15 | up | <p>CTCTGCAAGGACGCCTGGCTCCTAGGTCGAAGGGAAGGCGA GAGCTGAGCTGAGGCACCAGTCAGGTCTCCACACTCCCGCA GCCTGCTCCTTCCCGGGCGGAACGCTAGAAGCTGGGCAGGG CTTGGGGAGGCTCGCCAGCACAGAGCAGCCTCTCGGCCGGG GCTCTGTGCTATCGCGCCTGGGCGCAGAGCTGGAGCTCCGCC GGTGTGGAAGCTCACTCGGTCCATCCCAGTACAGGCTTGCAA GCACCCGCGGCAGCCAGCCTCTCTCTCCCGGTTCCGGCAT TGGGCTCCAAACCTGGGATCAAATAACTGCCCGGAGCTCACT GATCATGGGCTGGTCCCCTGCGCTGCGGCTGTGCTAGGGAG CCCAAACGCCAGGGGAAGCCCGCACAGACATCCACCTGCC TCTAGGCGGGAGGACAGCTCCAGGGAAGGCCCGGGCTGGCAG GCGCTTTCTGGGCACAAACGAGCAACTCTGGCTGTGGAG CTGCCTCCCCAAGCCAGGGGCACCGGACCCTGATTCCCTCC GTGCGGCGCTTAGTCTGGGCGGGGAAGCCCAGCTTGGGAAT GCAGCCTGGGGCGCTTCCTTTCCCTCGAAAAGAGCTCTCCCA GCGGGAGGCTTTGGCAGTGTGCACACCCCCAGCCCCTAAGCC CTCTGCAAGGACGCCTGGCTCCTAGGTCGAAGGGAAGGCGA GAGCTGAGCTGAGGCAGCAGTCAGGCACACTCACGGCTCCC ACACTCCCGCAGCCTGCTCCTTCCCGGGCGGAACGCTAGAA GCTGGGCAGGCCCTGGGGAGGCTCGCCAGCACAGAGCAGCC TCTCGGCCGGGGCTCTGTGCTATCGCGCCTGGGCGCAGAGCT GGAGCTCCCGGTTGTGGAAGCTCACTCGGTCTTCCCAGTA CAGGCTTGCAAGCACCCGCGGCAGCCAGCCTCTTCTCTCCC GCGTTCCGGGCATTGGGCTCCAAACCTGGGACCAAAGTA ACTGCCGAGCTCACTGATCATGGGCTGGTCCCCTGCGCTGCG</p> |

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| MSTRG.202650.1 | 0.03 | 0.25 | 0.025 | 3.134 | up | <p>GCTATAAATGGCATTACTGTGCATAATATGACGAACTTTGAA TACTGATCTAACTAAACATACAGTAGAGGCATTTGGGAAGGA TGAGAGGATAGGAAAAGTGACTTAGAAGAGAAGGAAAGAGGA CTAAATCTTGGTCTTGTGTCCACAGTGAGAAGCCAACCAGAT CATGTTTAAAACCTGAAAAGAATCTGAAGTAACAGTACCAGAAG TTATTGAGAGACATAGAGGCTAAAAACATTCTAAAGTGGTGG GGAAAGGAAGAAGAATGCAAGCTAACTAATGTAAGAGAAG ACAGAATTAGAAAATCACCTGTTTGTAACTCCAGTGTAAATA GTTAACCACCAATGGATGCCAAAATCATGAGACAAAAGGGCTG GGGACACAGGATATCCACCTGCCACGGTACCTGTCCAGAGT CCTCGCTGGTTGTTTACAGGAAAAGCCGCCCTACAATGGGGC AGTCCTGCGGTTGCCACCACATGATCGGACTTTTAGCATCAC CGATCGCAGAGCACTGTGACATTTTGTGTTTCTAAAGAGGT AAGATACTCAGCATCAGTTGGGAAGTATCTTTGCTAAAAATA TCATTAAACTGAACCTGCCATTAGACCTAAATTCTAATTTAC CAGACACAGAAGAACAATGAAATAAACTATGAATAAACAG AAGAATTCAGTCACCAAAGAACAACAGTGCCCAAGGAAGAGT CAATGTCATGAAAAAAGACGCCTGTGTGGGTGTGGAGAGGGT TCTGTATTTTTAAAAGATTAAGAAACATAATAACCAATGCA ATTTGTATATTCTGACAAGATTTTGGTTGGGAAAAAAGCTGT AAGAGATATTTTTGTGAAGCTGGGAAAATTTGAATATAGACT GAATTTTAGCTGATACTTGGGGATTATTATTGCTTTTCTTAG GTGCAATAATGCAATTTTAGTCTGCTAGAAAAAATATTTTT AGAGGCTGAAGACTCTGAATGAAGTACTGGAGGTGACATGA</p> |
| MSTRG.236907.1 | 0.01 | 0.1 | 0.00161 | 3.107 | up | <p>GCAGAGTGGCCTGTTGAAAGCCAGGGTCATTCCCCTCCATGG TCTTTCCCGAGCTCATTCACTTGCCTACTAGATACCCAGAA TCCTCCGTATCACAAATTGGTTTACCGGACGGCCTTCCGGG GGCCTGGAGAGCACACGGATGCTGGGATCTCACCATCAAAC ATTCTCACGGGAATAACCTAGAGTGTGGTGTGGGCTGTTGA ATTGGGTATGCAAGTCTGAGAACAGCTGGCTGAGAACTCACC CAGACACGGTGAGGAAGTGCAGATTCTGGTATGTTGACTGCC TGGGAGGCTGTGTGCTAGCATGTTTCACTTTTCCACTGG GAAGCCAGAGAGGATGGTGACAGGTAATAAATCCCAGTTCC TACTGACTCTGCTGGTCTGCAGAACACATTTCCGAATGGCAG GGACTTGGAGATCCTACCTTGTCTCTCTCTGTGGGGTCCC GTAGCGACATTCCTTTTCCCAGCCTGGGTCTCGGTTACCGA CAGTCATACCTCAGTGAAAAACCCATGCTCTCAGTACAAAGA TTCCACAAGCTTCGCCTGGCAATCTCCCCTTATCAATACC AGTCTTCAAACGTACACATCCACCCTCCGTCTTGTAGCCAG ACACCAAAGAAGTCCCAGAGTGGACTTCTTTGCCACCCCA CAATTATCCCCCTGTCTCAATCATTATCCATAGCCATGGTGA ACTAAACTCCTCCAGGAGGAGTAGACTATATCTCTTAAAA AGAATGAAGTAATGCCATCTGTAGCAACATGGGTGAACCTGG AGATTGTCCTACTGAGTGAAGTCAGTCAGATACAGAAAGAGA AGTATCATATGCCATGCTTTACATTTGGAATCGAAAAAGAAA TGATGATACAAATGAACGAACCTACAAAACAGACATTCCCAG ACTTGAGAGAATGATCTTATGGTGGTGACGGGAAGGATGGG AGGAAGGGATAGTATTGGGAAGGAACTCTGCTCAATACTCT GTAAATAACCTTATGAGGGAAGTTACCAGGGGGAAGGATGG</p> |

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|---------------|------|------|---------|-------|----|--|
| MSTRG.44275.1 | 0.01 | 0.16 | 0.00939 | 3.089 | up | <p>TTTATTTATATATTTGGCTGCTCTGGATCCTAGTTGCGGCAT GCAGGACCTTAGCTGTGGCATGTGGGATCTAGTCCCCAACCA GCGATCAAACCTGGGTGGAGTGCCCTGGGAGCTCTGAGTCCC GGTCACTGGATCACCAGGAAGTCCCTCTACGTGCTGTTTAT TGGATAAACTGTTGCCTGTTTCGTACAATGGCACACAACACAA CAACACAAAGAAAGAGGCTACCCTGAATGAGACAACCAGGA TGTCTTGCAAATATAATCTGTATGAAAGAAGCCAGCCACACA CACATACTGAATGACTCCACTGAAGTAAAAGACAGGAAGC TAGAAAAGAGGACACAGCCTCTCAAGAAAGTGAGCCTAGAAT TGTGCTCTGACCCAGCATCTCTGCCTCTGGGTATTTGCCGGA AGGAATAAAGGCAGGATCTTGAGGAGATGTTACAGAGTTCT TCATAACAGCATCACAAAAGGCAGAAAACAACCAGGGCCAG TGGCACCTCTGCTTTCTGTTTAGGGGGACGTCGAGCCAGG CCTGGAGGAGCCGAGGCCTTGATGATTTGAGGCAAGGCTCAG ATCGGCTCACTCGGCAGCTGAGTCCAGAGGACATGGTCAAG ACACCCCTCCCAAGAGGATCCGAGGGGACACCTGAGGCCTC AGGTGCCAGATACACAGGGATGGGAGAAGCAAGCCTGCTGG GGGATCCTGTAACCTCCTTTTCTGCTGTAACGAAGACGGGGA CTACCAGGCATGGAAGAACCACACCTGCCTGGACACACAGCC AAGAGCGAGAATCTGGCTCAGAGGCAGTGCTCTAAAGTCAC CAGCAAGGTCACCTCCTCCATGAAGCTGATTCACTCCCCTC CCTCCTGGGAAAGCTGAGTCCCTCACGCACCAAGGTTCTCA CTCAGCAGGACCGGCAGCCGGCCAGACGTCCCTCCCCTCCTG CCTGCAGACACTGGCAAAGATACCCGCTGTCCTGTGGCTGCT GGAGTTGGGGTAGCTGGGCAGACCCAGGGCCTGGGGGCCAG</p> |
| MSTRG.33957.1 | 0.01 | 0.13 | 0.01954 | 3.075 | up | <p>CAGATATCTGATGGTTCATCTCTTTAAATAATGGGTAATTT GTTTTCTGTTGCCTGCAGGCAGAGTTATTAGAAGGTAGAGG GAAGCAAATTTCCATTTAAGATGGAAAAGAACTTGCCTATTT AGTTGACTATTGAAACTGCTGCCTTGCAAAGAAATGAACTTC TGGTCCCCGGAATTGTTTTAACCGGTGTTTTTAAGATGTAAG TTTTGTCTTTATTCAGGTATGGTGAGCAGGGGACTACTGCCA GTGAAAAAAGATAGTTTGTACTGTCCGAAGAGGAGAGGG CACGCCATGCCACACAGGGACCCACAGGACAGTTTTGCTGGA TATGGCTTCCCCAGTAGCTCAGATGGTGAAGAATCTGCCTGC GATGCAAAAAGACCCATGTTTGATCCCTGGGTCGGGAAGATCC TCTGGAGAATGAAATGAAAACCCACTCTAGTATTCTTGCTG GAGAATTCCATGGACAGAGGAGCTTGGCGGGCTACAGGCCAT GGGGATCCAAAGAGTCAGACATGATTGATAGACTAACACTAC AACTACTACTAATCCAATATGACTGGTGTTTTTAAAAAAGAG GAAATTGGGGGACAGACATGCATACTGAATGAAGACAGTCAT CTACAAGCCAAAGAGAAAAGCCTGGAAAAGATCCCTCCCTCA GGGCCCTCTCAGGAAGAACCAACTCCATCTTATTTACAGACTT CTGTCTCCAGAATTGTGAGATGATACATTTCTGTTGTTTTAA ACCACCCAGTCTGGGGTTTTTTGTTATAGGAGTCTTAACAAA TGGCCTCCCTGGTGGCTCAGTGGTAAAGAATCCACCTGCCAA TGCAGGAGACACGTTTCGATCCCTGGGAAGATCCCCTGGAGGA GGAAATGGCAACCCACTCCAGTATTCTGTTTGGGGAATGCC ATGGACAGAGAAGCCTGGTAGGCTACTGTCCATGGTTTCATA AACAGTTGGACATGACTGAGTGACTCAACAACAACAACAGAT TAACACAAATCTCAACTCGGCATGTTCAACTGTGCAATA</p> |

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| MSTRG.121502.1 | 0.03 | 0.22 | 0.02414 | 3.053 | up | <p>CAGGCATACTCAGACTTGTTCAAACACAGGCTGGTGGTGTGG CAAGGATAAAAAGCAGAAATGATAAGGATTGGACTCCTGGACC TCCAGGAGGAGGAGACCTAACTCCTACAGTTCATCTGCTCCA CAAGCCTGGGTCTCCCGGAACCCCTGTGTCAGATTGCTGG GCCTCCCACCTACCTGGTGAAAACCTGGGAGAAGCAACAGTT TGTGTGATGGTGAGAAAACCTCATGTGAAGATGGCATTAAAGA AATTCTCATCACTCTGTGATCTGGGACAGGCAGAGTCTAGAT GGGAGCAATCACGAAGGGAGATGATGAGAGCTGAAGTCAGA ATATGCAAAATATAAGGACTTCCCTGGTCCAGTGGTCAAGAA TCTGCCTTCCAATGCAGGGGATGTGGGCTCAGTCCCTGGTTG GGGAAGCAAGATCCCACATGCCTCAGAGCAACTAAGCCTATA TGCTGCAACTACTGAGCCGCCAAATAAATAAATAAAAAAT</p> |
| MSTRG.43630.13 | 0.01 | 0.15 | 0.0061 | 3.043 | up | <p>AACCAGCCCATGATCAGTGAGCTCCGGGCAGTTACTTTGGTC CCAGGTTTGGAGCCCAATGCCCGAACGCGGGAGAGAAGAGG CTGGCTGCCGGCGGGTGCTTGCAAGCCTGTACTGGGAAGGAC CGAGTGAGTTCACACCGGCGGAGCTCCAGCTCTGCGCCCAG GCGCGATAGCACAGAGCCCCGCGGAGAGGCTGCTCTGTGCC GGGCGAGCCTCCCCAAGCCCTGCCAGCTTCTGGCGTTCGCG CCCGGAAGGAGCAGGCTGCGGGAGTGTGGGAGCCGTGAGTG GTGCTGACTGCTGCCTCAGCTCAGCTCTCGCCTTCCCTTCG GACCTAGGAGCCAGGCGTCCTTGAGAGGGCTTAGGGGCTGG GGGTGTGCACACTGCCAAAGCCTCCCGCGGGGAGAGCTCTTT CCGAGGGAAAGGAAGCGCCCAGGCTGCATTCCCAAGCTGGT GCTTCCCCGCCAGACTAAGCGCCGCACGGAGGGAATCAGGG TCCCGGTGACCCTGGCTTGGGGAGGCAGCTCCACAGCCAGAG TGTTGCTCCGTTTGTGCCAGAAAGCGCCTGCCAGACCGGGC CTCCCTGGAGCTGTCTCCCGCCTAGAGGCAGGTGAATGTG CTGTGGGGGATTCCCTGGGCGTTTGGGCTCCCTAGCAGAGC CGCAGCGCAGGGGAACCAGCCATGATCAGTGAGCTCCGGGC AGTTACTTTGGTCCCAGGTTGGGAGCCCAATGCCCGAACGC GGGAGAGAAGAGGCTGGCTGCCGGCGGGTGCTTGCAAGCCTG TACTGGGAAGGACCAAGTGAGTTCCACACCGGCGGAGCTCCA GCTCTGCGCCCAGGCGGATAGCACAGAGCCCCGCGGAGAG GCTGCTCTGTGCCGGGCGAGCCTCCCCAAGCCCTGCCAGCT TCTAGCGTTTCGCGCCCGGAAGGAGCAGGCTGCGGGAGTGTG GGAGCCGTGAGTGGTGCTGACTGCTGCCTCAGCTCAGCTCT CGCCTTCCCTTCGGACCTAGGAGCCAGGCGTCCTTGAGAGG</p> |

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| MSTRG.148893.4 | 0.08 | 0.73 | 0.01047 | 3.019 | up | <p>GTACAGGCTTGCAAGCACCCGCCGGCAGCCAGCCTCTTCTCT CCC GCGTTC CGGGCATTGGGCTCCAAACCTGGGACCAAAGTA ACTGCCCGGAGCTACTGATCATGGGCTGGTTC CCTGCGCT GCGGCTGTGCTAGGGAGCCCGAACCCCAAGGGGAAGCCCGCA CAGCACATCCACCTGCCTCTAGGCGGGAGGACAGCTCCAGGG AAGGCCCGGTCTGGCAGGCGCTTTCTGGGCACAAACGGAGCA ACACTCTGGCTGTGGAGCTGCCTCCCCAAGCCAGGGGCACCG GGACCCTGATTCCCTCCGTGCGGCGCTTAGTCTGGGCGGGGA AGCACCAGCTTGGGAATGCAGCCTGGGGCGCTTCCCTTCCCT CAGAAAGAGCTCTCCCCGCGGGAGGCTTTGGCAGTGTGCACA CCCCAGCCCCCTAAGCCCTCGGCAAGGACGCTGGCTCCTAG GTCCGAAGGGAAGGCGAGAGCTGAGCTGAGGCACCAGTCAGG CACCCTCACGGCTCCCACTCCCGCAGCCTGCTCCTTCCC GGGCGGAACGCTAGAAGCTGGGCAGGCCTTGGGGAGGCTCG CCCGGCACAGAGCAGCTCTCGGCCGGGCTCTGTGCTATCG CGCTGGGCGCAGAGCTGGAGCTCCGCCGGTGTGGAAGCTCA CTCGGCTCTTCCCAGTACAGCCTTGCAAGCACCCGCCGGCAG CCAGCCTCTTCTCTCCCGGTTCCGGGCATTGGGCTCCAAAC CTGGGACCAAAG</p> |
| MSTRG.90496.2 | 0.02 | 0.13 | 0.01158 | 2.971 | up | <p>GGCGAACCTGCGCGGATCTCCGCGGTCCCCGGCGCCGAGG CCAGGACGGCCGGCGCTTTGGCCTTGGATGGAATGGGGACT GGTCTCCGGGCCCTCTACCGTGGATTACTTGGTGCATCTCT GCCGGGCTTGATGAACCACGACCTCGTCTCCATCCGTGGATT GGTGCCTGCTACCCAATAGTCGGGTCGTTCCCTGGAGCCTA AGGATCTCCAGTGATTTCTTTGAGCCTAATGATGGGGAAGCT GAGAATGGAGCTATTATTTTTAAACACCTTTTGAAATACTAC TCTTCTGGTTTATGAAGTGAATCAGAGGGCTGTGGCTGAC CTGAATAGATGCATAGATGCTTTGAACCAAGAAAGCAGGACA AGTTGAAAGGCGAGCTGCACCCCGAAATCAAGGCCTGGGAGG CAGGACAGGTGGAGAACTGTTCTCTCGCCACAGTCCCCAC CAGGAACCTCAGTGTAAACCAGGAAGACCCCAAGGAGCTAAGA TGGGACCTTCTCTTAAGAGGCAAGTCTCTGGATTGGAATGA GAAGTCTTATTTTGGAGAATGGACTTCCCTGGTGGCTCAGTT GGTAAAGAATCTGCCTGCAACATAGGAGACCCAGGTTTCGATC CCTGGGTGAGGAAGATCCCGTGGAGAAGGAAATGGCTACCCA CTCCAGAATTCTGTCCCATGGACAGAGGAGCTCGGCAGGTT ACAGGTCCATGGGGTTGCAAAGAGTTGGACGCAACTGAGTGA CTAACACACACACGCTTTCTGGAGGCTAAAGGAGCTTCTGGA TTAAGAAGATGTTTGGAGAGAAAGCAAAGAACCTCGGCCTG AGGAATCCTGTGTGTGTGACCTGTGTGAACAGGAGGCCACC TCCAGCTGAAGGGGAAGCCATGACCGTGGACCTTATAACTTC TTCTGCTGGTGCCTGGTCTTTCAGACCGTCCCCACCAGTCCT CGGAAACCAGAGGGTTTCTCCTGCATTCTTTCATTCTCGCC ACCTCCACGTCTGCTGAGCCTTCGGACTCAGCAGTTCTCTT</p> |

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| MSTRG.22144.1 | 0.02 | 0.13 | 0.03511 | 2.945 | up | <p>CTTTAGGATGCCCTTGGAAATTAATAAAAAAAAAAAAAAAAAATCAAGAG GTGACCATGCAGGGGATTGTCTGGCTTTTGGAGGCTCTCAC CAGTTGGCAATAGTTAGAGAATGACTCAGCTGTCTGGCTCTA CCTTTCAGACAGATTTAGGTGACCCAGAGACTCATCAACGGC AGTAAGGCTTATTACACATAGGCATGCCTGGATTAGCCGAG TCCCATGGGTGCACAGGAAGTTTGTCTTTCTTTCCTACTGCTTC AGGTACCTTTGATATAGCTCCAGTGTCTGAAATTGAGAACAA CACAAGCTGCTAATAACAAGGAAGAGGAATGGAAGCTGACTC GGTTATTATGACAGTACTGTGCTTTGAGCCAATCCTGGGGAC ACTGACCTCTAGCTTCATGCCCTGCAAGACAGTTACATGTCT TTATTGTTTATTTAACTCAATAGCTTGGCATTCCCTTATTTG TAACCCAAAGTTCCTACCTTCTAGATTAATAAATAAAGATG GCACGATGACAACGAAAGTGAATGGAAGTTTAAAGAAGA CTTCCAAAAATAAACCCAAGCGGCACATATTCAGTCAGCTA AGACCCAGGTGTGAGGGAGTTCTGATTTGGATTGATGGAGAA GGAAATGGCAACTCACTCCAGTGTCTTGCTAGAGAATCCC AGGGACGGGGAGCCTGGTGGGCTGCCATCTATGGGGTGGCA CAGAGTGGGACATGACTGAAGTACTTAGCAGCAGCAGCAGC AGCAGTGTGGTTACTACCAAAAACACCAGAAACTCATTAG AGGATTGCTCAGTTAGTAACACGATGTCAAGGATAGGCACTT AAAAACAGTATTGTAGGGCGTCCACAGTAGAGGTCGTACAGAT CGCAGATTCTGTCTATGAGGATAAATAACTCGGGCTGTGCTC AGAGGGCATCACATGATGTGGCTGACTGCATCTCAAGTTTC CCAAGAAGAAAGCAGTGGTGAAGAGCAAATTCATTGCATT TTCCCTATCAGGAACAGTTTGTAGACATTTGTTTCCAAGGAC</p> |
| MSTRG.110124.7 | 0.02 | 0.19 | 0.03659 | 2.928 | up | <p>AGCAGTTGCGAAGTGAGGTTGGCCTGCGCGGTGGAAGCAAA CGTGACGTGAGCTTGTGGCCTTTGCTGTAAGTCACTTCAGT CATGTCCGACTCTGTGTGACCCCATAGACGGCAGCCACCAG GCTCCCCCGTCCCTGGGATTCTCCAGGCAAGAATACTGGAGT GGGTTGCCATTTCCCTTCTCCAGCGCATGAAAGTGAAAGTGA AAGTGAAGTCGCTCAGTCGTGTCCGACCCTTAGCGACCCCAT GGACTGCAGCCTACCAGGCTCCTCCGTTTCATGGGATTTTCCA GGCAAGAGTACTGGAGTAGGGTGCCATTGCCTTCTCCTTGTG GCGTTTGGTAAAGGCCAAACTTTACCAAAAGTTTGTCACTTC TGTAAGGCAGAGCCACCTGTGTGAGGAGGACATCAGCAAGC AGAGCTGAGAGTTCAGGAGAGATGGTCCGGCTGACGTCTTA AAACTCCCAGTGCAGCCCTGGCGGACGCTTGTGGACTTAGG GACCTGTCCACCTGTGGATGGCTACAGAAAGGAAGAAATTA CACTTCTTGGTCTGCCAGCTCTCCAAGTAAAGTCATATTCTT TGCCTCAAGACCTTGCCTTTGATTTATTGGCCTGTGCTGGGG TAAGCAGAGTGAGCTTGGACTCCATGATAATCCCACATGCCT TGCAGTCAAAAAACCAAAACATAAACAGAAGCAATATTGTAA CAAATTCATAAAGACTTTGAAAATGGATCATATCAAAAAGA TCTGAAACCAAAAAGTAAAAGAACTCGGTGGTCTGCTGAAA TATTTAGAAAAGAAAATGGTGCCCTCATGCCAGTACCCCT GAAGTCACACAGGGGACACAACCTAGGGGAGGTCCCTTATCT CGTCCAGGGGACTGTCATACCAGCCACCATTTCTCCCTGCC ATGATAAACACACTGTAACGAGGGTCATTGGCACCTGGGCCA GTAATGCTGTGAACACCTGGATTCTTGTCTTGTGAGATTT GATGTGAAGATAACACAGAAAGAGAACCAGCAAGAAGGATC</p> |

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| MSTRG.224419.1 | 0.12 | 0.99 | 0.01518 | 2.903 | up | TTCGCGAAACTTCTTGGGGGTGGCGCCGCCCTCTCCTC TTTTCCCTCCCCTGGGTCCCTTTACACCTCGGTGGCTCCCCG GGCTACTTGCGGGCTCTCCGGGCGAGAACAGGGGTGCCTTGG TGAAGCAGTAATGCGGGGACTTTGGGAGAAAAACGGGGCCAGA ACGTACAGGAAATGCTGTTGAGGCCCGCCAGGGCTCAGCCCG GCCCTGGGAAGTGGGAGTCCTGGAGCCCGGGAAGGGACCCA GAGCCGCCCTGAAAACCACAAGCCCATGATCTGCCCTTCTGC GCCGTGCGAGCCCGCGCAGCCCGCTGTCTGCGCCAGG CTCCAGCAATACTGAACCTTGAATTTCCACATGTTCAAGCTG |
| MSTRG.221949.7 | 0.04 | 0.3 | 0.00869 | 2.879 | up | CGAACTTGGGAGCAGATCATAGCTGCTAGGTAAGTACGCGT TGTTGGCGGTCTGCGCGCAACCTGAGTGGCGCAGCTGGG TTGGGAATGCGATACGGTAAAAAGAGTTCAGAAGTTGAGGG TTAGAGTGCGGCGTTGAGTATTTACACATGAAAAACGCGCCA CCGGACCGCCACGTGTCCCCTGTGCGGTTGGCGACCGGCTTC GAGTTCAGGCGTCCGTAGGCTGCTGCTGGTCATGGCGCTGCG CGCGCCGTATTGCTAAGCCGGCTGGATAATCCTGAACGGCG CACGGGAAACGACCACATTCCTGAGATTTGGGGCGGGAGTTA CGCTTAACGTTGACTTACAGGCCTTAGATACGTAGTCATATC AACAGTTAATTTAAAAATCGGCAGCTCCTGACTGCGTGAAC TGAGTTGTATTGTGCCAGGTGGCGCTGTGTGCAAAATCGAAT TGTTGGAGGGGAAGGTTTTAGTGCTGAAAACCTTAAGCTATG ACCTTCTATGACAATACTTAATTTTTAAATATATTTATTCTT CCGCAGGTTAAGAAATGATTCTCCCGCAGAAACAATGGATT TCGGTGTAGCGGAACTGTTACGTGGAGATGCTAAGATGCAAA GGTACATTTCAAAACACGCCGACAATATTGGCTGGAAAATG ACTTGTTAAAACCTGATGATCTTACCAGGTATGTGTTGAC TAGTACTTCGAATGTCTATATGTTTAGTCCACGTGTAGATTA AATGAGAAAAATATTTTGTTTTTTAACAGCATTCTGCAGGT TGATGAATACTAATGAAGCTGTGGATGTCACTGAGCAGCTTC ATTTAAAGTAAGTTACCCTGACTTACATCTGCTGCAGTAAT TCTGTCTGGTTTGTGGTAAATGTCCGTGAATGTAGCATAAT GGATTTTGGTCTGATCAATGATGAACCCTATCCCGAAGCTGA TAACCTGAAGAAAAGCATGTACGGATTCCGGCTTCTGAGACAA GACTAATGTTTCAGATATGAGAACAAGTTTTATAACAGATTTT |
| MSTRG.81913.2 | 0.04 | 0.29 | 0.04159 | 2.834 | up | TAACGATGTGACGTCATGAGGCTTTCGGCTGCCTCCACCAA GCGGCTGGCCGCAAGGAGAACGTGACGATTGGCCACGAGAA AGGAAAGCAGGCTTTAGGCTTCAGAGATTGGCTCAAACAAAC TGTCATCATCGTCCACTCTGTGGCTCTCCAGTTTGTAGGG AATCCAAGGGGAATAAAGGAGCTTGTGCCATTTTCTGCG GGAAAACCTGAAGCAGTGAGAGGCTCAAGGAGGGGAGGTCTT GGCCAGGATCCCGAATCAAGTCAGAAATGGGACTCAGGCATC GAGGTATTTAATCTCTAGCCCTCTACTTAATTGTTACAAGTT TTTTAAACCCAGTGACCCCACTCAAGCACTTGGCCTTTGCCG AGTCCTACCACGCTGGGAACACCCACCCGCTTCGTCTGGCCG TCATGAGTCAGTCCCGACAACTCAGTCGCCACATCCTCCA GATGGCAGCCACATGGGACAACCTGAGTAATGGCCATGACTA GTCTTAGCTGAGATAAGCTATGGCTGTAAAAACACCAGATTCT GAAGACTTCAGTGCTGCATTAGGTATAGACCACGAAATGGA CAAGATCACTGGAGAGTTTCGTGTGATTAGAAAAGGTGGTCAGA AGACCTGAGTCAAATGAAGAGTTGGGTGTCTCTAATGAGGC CGCAATGATTCTGCTAAAACAGCACTGGCAAGAGGCCCCCA GTCTCAGGTGAGACTGAAGCTGAGACCTTGATAGCAGCATAG TCATACCCTGAGCCAAGCACCTGCTAAGCTGCACCCGTGCC CCTGACACACAGAGACTGAGATTAATAAATGCATTGTTGTAA |

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| MSTRG.215663.1 | 0.03 | 0.21 | 0.00597 | 2.821 | up | <p>ACTTCCAGAACACAAGAAGTTTACACTGAATGGCAATTTTTA GATCTTGGCATAAAGTTGTACTGATTTCAACACAGTGGCTTT TTGCAGTCACAAATACAGAGGATGACATGAGAATTTAACACG TGAAGTTCGAGTCGTCCAAGAGTTTACAGAAGAGATTCAGAG TTTTTATTTTATTTCTCCTCTGAAAGGCTGTTATTTGGAGGT TGGGTGCAGACTCCGATCCTACAAGTTCAAGGCTTCTAAAA CAGGGAACCTGCTAATCTGGAGTTAAGTTTGCCTGGATTT ATTGGAAGGGCTCTAATGCAACAACCTCACCACAAAAAGG CCTCGAAGTGCAATCTACGTATGGGTGTGGGCTGGGTGGCGG GAGAAGTGCAGAGAAACGATTCAACATTTATGCAATAAAAAG GGTCACCAATTCTGCGGCGAAGAGGGCAAAAAATGCATTTTC ACCACCCCTCACACTACTCTGCGGCTGACGGAACCTGATAC CATTTTATTTAAGGCTCATTATCTCCAGTTACCACCTCCAAG ACCTCAGCGCCTAACAGGTCCACGCAGGATCTTGAACGGTA CGCTAGCCATTCCCTCGAGAGAAACCAAGGCGGACACTCACA AGACGGCCACAGTTTTCCTACTGCCTGTGCAAGTGTCCCTG AGGGCCAGCTATTGGGATAAGATGTTGCAGAATTTTGATGT ATTTATTTATTATTATTATTTAAAAATTTATATATAATATACA GCTCATACATATTGTATATAAATTCTAAAAATATATGTATGT ATAAAAACTCTGAGATTTAGATTTTCTGTAGTGTCCGAGG GCTAGAAAATGTGGCAGTGGGGAAAGGTAGTGGTGAAGGAT GGGTGAGAGAGAGAGAGAGAGAGAAAGGAGTGGAGAGAAG CCCAGAGGGCTGGGGGTGGGAGGAAAGAGAAAGGAAAGGGCA ATGAGGGAAAAGGTGCTGGAAGAGCACAGGCTTTACAATCA GACAACTAGCTTGTACTCTGTGACCTTGGGAAAAGTTACGTA</p> |
| MSTRG.8488.1 | 0.04 | 0.29 | 0.00911 | 2.812 | up | <p>ACTTCCAGAACACAAGAAGTTTACACTGAATGGCAATTTTTA GATCTTGGCATAAAGTTGTACTGATTTCAACACAGTGGCTTT TTGCAGTCACAAATACAGAGGATGACATGAGAATTTAACACG TGAAGTTCGAGTCGTCCAAGAGTTTACAGAAGAGATTCAGAG TTTTTATTTTATTTCTCCTCTGAAAGGCTGTTATTTGGAGGT TGGGTGCAGACTCCGATCCTACAAGTTCAAGGCTTCTAAAA CAGGGAACCTGCTAATCTGGAGTTAAGTTTGCCTGGATTT ATTGGAAGGGCTCTAATGCAACAACCTCACCACAAAAAGG CCTCGAAGTGCAATCTACGTATGGGTGTGGGCTGGGTGGCGG GAGAAGTGCAGAGAAACGATTCAACATTTATGCAATAAAAAG GGTCACCAATTCTGCGGCGAAGAGGGCAAAAAATGCATTTTC ACCACCCCTCACACTACTCTGCGGCTGACGGAACCTGATAC CATTTTATTTAAGGCTCATTATCTCCAGTTACCACCTCCAAG ACCTCAGCGCCTAACAGGTCCACGCAGGATCTTGAACGGTA CGCTAGCCATTCCCTCGAGAGAAACCAAGGCGGACACTCACA AGACGGCCACAGTTTTCCTACTGCCTGTGCAAGTGTCCCTG AGGGCCAGCTATTGGGATAAGATGTTGCAGAATTTTGATGT ATTTATTTATTATTATTATTTAAAAATTTATATATAATATACA GCTCATACATATTGTATATAAATTCTAAAAATATATGTATGT ATAAAAACTCTGAGATTTAGATTTTCTGTAGTGTCCGAGG GCTAGAAAATGTGGCAGTGGGGAAAGGTAGTGGTGAAGGAT GGGTGAGAGAGAGAGAGAGAGAGAAAGGAGTGGAGAGAAG CCCAGAGGGCTGGGGGTGGGAGGAAAGAGAAAGGAAAGGGCA ATGAGGGAAAAGGTGCTGGAAGAGCACAGGCTTTACAATCA GACAACTAGCTTGTACTCTGTGACCTTGGGAAAAGTTACGTA</p> |

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| MSTRG.198921.1 | 0.02 | 0.16 | 0.03246 | 2.812 | up | CCATCCCTTCATTCTTTCTGGAGTTATTTCTCCACTGATCTC CAGTAGCATATTGGGCACCTACTGACCTGGGGGCATCAGAGG GCAGACACACTGAAACCATAATCGCGGAAAACCTAGTCAATCT GATCACACTAGGACCACAGCCTTGTCTAACTCAATGAAACTA AGCCATGCCCATGGGGCAACCCAAAATGGGCGGGTCATGGTG GAGAGATCTGACAGAATGTGGTCCACTGGAGAAGGGAATGGC AAACCACTTCAGTATTCTTGCCTTGAGAACCCATGAACAGTA TGAATAGTGACTTTAGAGCCTGGTTATTCAGGTAGCAAAGGG GCAAGCAACCTTAAAAGGCCAGGGAACGTGGGTATATGGTTA AATATGCTTCAATATAGCATCAGCAAGGGCTTCTGGATAGC TTAGCTGGTAAAGAATCTGCCTGCAATGCAGGAGAAAATGAA AAAGACTGAGTGACTAAGCACAGCGCATAGCATCAGCAAACA ACGTGAAAGACTGCATGGTACGGTGACGGGAGGTACACAGGC TCTGACCCCTGCAGCCAAAGCAGATGGGAGGACAGGCATCAT TATGAAGACCTCACAGCAGAGAGAATTCAGAGCTGGAAGGAT GAACAAGTGGAGGCAGCTGGGGGCACTAAAAGACGCCCCAGG GAAGAAGCTCACAACTGTGGTCTACTCCGGGAATGGTAGAG TTGGATATGTTTGTGTTTCTACCCTAATTAGTTTTCTTT GTCCTGCCTGCGGTGTGTCCACAGGATTTTCTGATAACTT CATAAGGCATGTTACTTTGCCTTAATCTGTTGATTTCCCAG ACACTGGTATGCCCTCTGTTGATTCTGTGGGTGAGGAGTCT GGCAGGCTTTAATCCATGCGGTACAAAAGAGCTGGACACAAC TGAGTAACTAAGCACAGCACAGACGCGCTAACGATTGCGTCC CGTTGGCTGTAGCCCTTTGGCTGTGGCCTGGGCCTGTGGTG GTCACCTCCAGGTGTGAGTGGCCTCAGTGATACACACTCTGT |
| MSTRG.42208.1 | 0.02 | 0.18 | 0.02006 | 2.773 | up | ATCTAGTCTTCTCTTGCTGCTGCTAAGTCACAGAGTCAGACA CGACTGAAGCAACTTAGCAGCAGCAGCAGCTGGGTTAACGGC TTCTGCCAGCAGCCAATTCTTACATCACCCATCGTCACTTC ATTGTTTCTTCTACTTCTGCCCTCAAAAATGTTGGGACACTC AATTAATCTTCAGTCTTGAAACTGATTTATAACTATGTAT GTGCACAAATAGGATTTGCAGAACTGAAATAAGGTACAGGAA GTGAAATTGGCTTGTTACTCTGATTGTTTTTGCCAGTTTCC TATGGTGGAGGCTGGAGAACACATTGGACCACAGTATAGAAA AGAAAAATATGGTGAATATTGGACATTACTATGTCTTATAA CTAAGTTTTAAAAGTAGGTATTAACCATTTCAGACAATGCATG AATAATAATTAACATTA AAAAGTTTAGCATGTGGAATTGAT GCTTTGTGTAATAATACTAAAAACATTTGGTAATCTTTTTTA |

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| MSTRG.108770.3 | 0.03 | 0.23 | 0.02723 | 2.772 | up | GTTACTTCAGTCCTGTCCAACCTCTGTGCAACTGTATGGATTT CAGCCTGGTGGGCTGCCGTCTATGGTGTGCGACAGAGTCGGA CACGACTGAAATCACTTAGCAGCAGCAGCATAACCATGTGAAT TATGTCTCAATAAAAAAAAAAATCAAAAAGAGAAAAATAGAAG GAGAAGTTGTTGACACTCTGCTCCAGACCCCTCCACATCTCC CTGCCATCCTCACCGGCCCTCCACGGGCCCTTGGCACTAC CCTTGCCCCACAGCTGGTTGGTAGGTAGCAAGACAGCACACA CACAGCCGTTGCTATGGTGACATGTGACCGGTCCAAGCCTTG TTTCTGCTCCTCATCTCCAAAGCAGGTGGGCGAGCTGTGCCCA GGACAAGCACAGATGCATTGATACCACATGGTAACATTGATC TTCATTTCTGCAGGGCATTCCAGGGCACGGGGTTTCCAAT TGAACCATGGAGCTTCTGGAAACAGTAGCCTAAAAGGTTTCT CTGCCATCTGGTCTTTAATGACCCTTCAGCTCAAACTCCA AGGCTTCCAGAGAAGCAGTCTGGATTAATAATGCTACTTTTTT TTGCTGGAGCAGCTGCAGAAAGTTCTGAAGACACAGGCAATC TTAGATTACTTCATTTAGGAATAAGAATCTTTGCCCTG AGTAAGAACAACCTTTATTTTTGTATCTGTGGTTTGCAGCT TGTTAATTCTTTTTTAGTTTTTAAGGGAATTCATATTG TTCTGGGGCTTCCAGGTGGCACAGCGTAAAGAATCTGCCT GCCAATGCAGGAGACACAGGAGATGCGAGTTCAATTCTGGG TTGAGAAGATCCCCTGGAGGAGGAAATGGCAACCCACACCAG TATTCTTGCTGGGAAATCCACAGACAGAGGAGCCTGGGGA GCTACAGTCCATGAGGTCACAGAATCCAAAATGACCGAGCAC ACACACACACACACACACACACACACACACACACACACCCCA CTACTCTCCCTAACACACCTGCTTTTCAATTCACTACATGG |
| MSTRG.17023.4 | 0.02 | 0.16 | 0.03395 | 2.703 | up | CTTCCTTTATGCTTCACAACAACATATGAATCTCTTGCACAT ATAATCCCATCTTGGTATCTGCTTCTTGGAGGACCGTGGTCT AACATCTCATCTGATGAAGGAAGGAAAGAAGGTTGATCA CATTGAATGATTTGTATATATTGAAGAATCTTTCATCCCTG GAGTAAACCCAACTTGATCATGGTATGTGAACTTTTTGATGT GTTGCTGAATTCTGTTTGTAAAATTTTTGTTGAGGATTTT TGCATCTATGTTTCATCAGTGATATTGGCCTGTAGTTTTCTTT TTTTGTGTTGCTTTGTCTGGTTTTGGTATCAGGGTGATGGT GGCCTTGTAGAATGAGTTTGAAGTGTTCCTTCTCTACAGT TTTTGTAGGAGTTTGAAGGACAGGCATGAGCTCTTCTCT AAAAGTTTGATAGAATTCTCCTGTGAAGCCATGTTGTCTGG GCTTTTGTTTTTGGGAGATTTTTGATCACAGCTTCAATTT AGTGCTTATAATTGGCTTGTTCATGATTTCTGTTTCTTCC |
| MSTRG.83189.1 | 0.02 | 0.17 | 0.04115 | 2.685 | up | GCACCCGGGGAGACAGGCATTCATCTCGAGTGAAGCAAAGA ACCCGCTCTGCTCTCGAGTCGCGACGGGTATCTCTTGGAGC TCACTGGGTGGACTAAAGGGAGTCAAGCCTCCTGAGGCGTTT GGAGAGAGGTCGCGAGATTGGCCTCTAGGCCATGAAGGAGAC GAAGTCTCATCTCCGATGACGGGGAGTCTCGTGGTGG TTCTCGAGCGGTGGCCCCAGGGTGGTTTTCTCACGAGGTAC GACGGCAGGTCAGTGAGCCTCTCGTGGGGCGCCAGGGAAGT CGGGTCTCCATGCGAGTGCGAGGGGGAGCACGTCATTGCTC TCGAGTCATGGTAGGGGAATCTGGCCTCGAGACGTGTTGAAG AAGGCTCTCGAGGCCTTTCTCGGTTGAGGCAGGAAACCCCT GGCTTCCCTCGACTTGTGCAGGTGACCTCAGGGGACTTCTCA TGGTGGCTCTGAGAAGTCAGGGAAACTGGAGGTGGGAGGGGC CTCTCGGGACTCCACGGGGTTTGGTGCATTGGAAGAGGGCCT CATCTCCAGTTGAGGCAGGAACCGCAGGGTACCTCTGATTT AGACTCCGATCGCAGGGTCCCTGCAGACTGGGGACAGGAGAG TCAGGCCTCGTCTTGGGTCGAGGCATGGAACCTCCGC |

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|----------------|------|------|---------|-------|----|--|
| MSTRG.227580.1 | 0.03 | 0.21 | 0.03223 | 2.657 | up | TGTATATTATATTCTGGGAAGTAGAATCAAAGTCAGGAATTA TCAGTTACATAGTCTGAATACAAATGTTAAAGTCTGAATTGA TAGGAAGACTGTCCTCTTGACCAGAAAAGCAGTCTCCTTAA GAGAGAGATGGAGTGATAGCTACTTCCCCATTTTCTAACT GTATCTTGACTTTTCTTGTGATTGAAGACCCCGAAGTGCAAG CCTGAGTCTCATCTTGTGGCTTATCAGCATCATGGGCTGCAC CTGTAGCTCCATTCGTATCCTTCCCTTGCTGTGGACTGTTTAC TGCAAGGTGCTGGCTACTGCTCTCTCATTGAAATACGAA AAACACCTAATGATGGTCTTTGCACAGTAGAGCTTGAAGTAT AGTCTAAAGGAAATAGATGTAAAGTGTGTTTTCGTCTCTCT GTGTGAGAGGAGAAAAATGCTTTTGTGTAATCAATTATAC TTTCTCTGAAGTTTTCAGGTAATATTTTCAGTAGGTAGGTCTT CTTCTGGAGAAATACTGGAAAGGCTCCAAGGAAATCAATCT CAGTTCTCGCTTTGGTGTGGAGATCCTCTGTGGGGAGGTCC |
| MSTRG.8306.3 | 0.46 | 3.05 | 0.02466 | 2.635 | up | TCTGATGCCAAGAAGCCAAGAGAAGAGAGGATTTCAAGGAGG ATAAAGTAATTGGTGGTGTCAAGTGGTACCAAGAGGTCATCA GGAGGACTGGTTCATGGCCAGAGGTTGGGGACCCCTGCAC TTGAATTGACCCAAGTTCCTGCTTCTCCATCATCATAGTGCC ACTTTCTGCTCTGAACTACCTTCCCTTTTGGTAACATGAAG AAGGGATCCCAGAGAAGGAGATCAGGAGATGGAGAACCATTG GTGGATTTTGTGAGTGATAAGATGTGGTCGTTTGAAGAAA CATTACTCTTGAACTCTGAAGGTGGATCAGATCAGGACTTG TCTAATTGAAATGCATCTTCTCTGTACACCCACTTCCCT GAAGAGTTCCTTCATGTTGTCTGAGGCATTGAGTGAGTAAAA AAATCTGCATATCTCTGAGTTAGAATTATTCAGCTTAACTTT AGATCCTATAGTCCCTTGTTTCCCTCATAATAGGATAAAGAA AAAGACAGAGGAGTCTGCTTTTTCAGTGCCTTACATCACCCA GACAGTTGGCAGCCAGGAGTCAGGCAGCTGCCACACTCTTCA CGTATCTATTTAAAGTTCAAAGAGACACTGGATAACAATAAC AAAGAGGTAAGAGTGGCCCTGACCAGCCACCCAACAACAGG AAGAATGGCTGAAAAAGAGGCTACATTATCTCGCTATGTGGT CCCTATTCTTCTTAATTGGCTGGATTGTGGGATGCATCGT AATGGTTTATGTTGCTTCTCTTAGAAAAGGCCAGAAGACTTC AGACTGACATCATTTAGAAGAATTAAGAAAAGCATGAAATGA CAGATTATTAATGTTTCTCATGTAATGACTGCAATGGTTG ACATCAGTTTATAAACTGCATTTGTAAACTGTTGCTTTGAA CCTAAGAATCTCATCAGAAACATATTTTAAAAATTCTGGGTAC |
| MSTRG.140824.1 | 0.06 | 0.42 | 0.03619 | 2.615 | up | TGGGAATCTCATTTCCAAATATGAAAACAGAAGAACAGCACC ATTCTGAGGAGGTCCTTGCCAAAGAAAAAAAAAATCCAGGA AAAGTTGTGAAAATGTCAATAATCCTAATAGGGAATAAACG CAGCTTCAGCCGATTCAGTGCAGCTGTCAGGACATCGTGA GTGTTGACGCTGAAAGTGTGACTGAAGCCGTTCTACAAA CAAGGCTGTACGTTTCTCGCTGGCAATGAAATGGTGAACGA GTTCAAGGACAAGGAGCCGAGCCAAGAAAAGAGTCTCCAAAG AAGGCTTCCCAGGTGGCTGGGTGATAAAGAATCTGCTTAACA ATTCAGGAGCCACAGGAGATACAGCTTCCCTCCAAAAGTATC TTCAAGACAGCTCTGTTGTATAGAATGAAGTCACCGCAGGT ATGGCAATGTTTTTCAAACACATGGAGGATAACTAAAAACA GCAGGTATGCCAATCCTAATCTCCCCAATCATTGGTCTCTCC TTCTCCACGCCTCCCATGTATGTGTTCTCTACTCTGCTTCTC TATGCCTGCCCTGAAAATGGGTTTATCTGTACCATTTTTCTA AACTCCACATATACTGGTAAATATACTCTATTTGTTTTTCTC TTTCTGACTTAACTCTGAGTGACAAGACTCTAAGACCATCCA CATAGTTAGTGGGAAGCTGCTGTACAGCACAGGAAGTTCAGC |

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|----------------|------|------|---------|-------|----|--|
| MSTRG.43630.19 | 0.04 | 0.23 | 0.01453 | 2.564 | up | GGGAATCAGGGTCCCGGTGCCCTGGCTTGGGGAGGCAGCTC CACAGCCAGAGTGTGCTCCGTTTGTGCCAGAAAGCGCCTG CCAGACCGGGCTTCCCTGGAGCTGTCTCCCGCCTAGAGGC AGGTGGATGTGCTGTGCGGGCTTCCCTGGGCGTTTGGGCTC CCTAGCACAGCCGAGCGCAGGGGAACCAGCCATGATCAGT GAGCTCCGGGCAGTACTTTGGTCCCAGGTTTGGAGCCCAAT GCCCCGAACGCGGGAGAGAAGAGGCTGGCTGCCGGCGGGTGC TTGCAAGCCTGTACTGGAAGGACCGAGTGAGCTTCCACACC GGCGGAGCTCCAGCTCTGCGCCAGGCGGATAGCACAGAGC CCCGGCCGAGAGGCTGCTCTGTGCTGGGCGAGCCTCCCCAAG CCCTGCCAGCTTCTAGCGTTCGCGCCAGGAAGGAGCAGGC TGCGGGAGTGTGGGAGCCGTGAGTGGTGCCTGACTGCTGCCT CAGCTCAGCTCTCGCCTTCCCTTCGGACCTAGGAGCCAGGCG TCCTTGAGAGGGCTTAGGGGCTGGGGGTGTGCACACTGCCA AAGCCTCCCGCGGGAGAGCTCTTCCGAGGAAAGGAAGCG CCCAGGCTGCATTCCCAAGCTGGTGTCCCCGCCAGACT AAGCGCCGCACGGAGGAATCAGGGTCCCGGTGCCCTGGCT TGGGGAGGCAGCTCCACAGCCAGAGTGTGCTCCGTTTGTGC CCAGAAAGCGCTGCCAGACCGGGCCTTCCCTGGAGCTGTCC TCCCGCCTAGAGGCAGGTGGATGTGCTGTGCGGGCTTCCCT GGGCGTTTGGGCTCCCTAGCACAGCCGAGCGCAGGGAAACC AGCCCATGATCAGTGAGCTCCGGGCAGTACTTTGGTCCCAG GTTTGGAGCCCAATGCCCGAACGCGGGAGAAAAGAGGCTGG CTGCCGGCGGGTGTGCAAGCCTGTACTGGGAAGGACCGAG TGAGTTCCACACCGCGGAGCTCCAGCTCTGCGCCAGGCGC |
| MSTRG.122434.4 | 0.03 | 0.19 | 0.02685 | 2.56 | up | ATTTTGAAGGACACAGTCTGCCACAGCCAGCTCCCAAAG GATACATTTAGAAAAGAAAGAAATCGATTATGAAAGTAAGGA ATGGAGTGCAAAAACATTGAAATGATATGTTGTTGTCATAAG TAAACTTTACTAAAGATGTCGGAGCAGATACAGCTGAGTGA TGGATCATGGTGACCCCTTAAGAATGAACAAAGGAATGTTAT CTTCTGAGGAATTATGTGGGCTGGTGTCAAAGAAGAGCAAC TGATGTTTATGTCTGAAGAGGTATTTCTGTCATTGGGAATC TGATTAATGCAAAATGTAGATGCATGATGATAGGAGAGGGG AGGGAAGAGACTAAAGAACAGAGAAAATTTTATGTTAAAGT TTTTCTTGTCTTGCCTGAAAATGTGAATTATTGCCTCATGTA TATACATACAAACACCGTTTTTTCACATTTCCGTGAGTTCAGG ACTGCCGAATAAACCCAGTAAATAACCTCTAATTACTTCTT AGCCGAATCTCCGTTCCCTAAAATCTGAAGTCCGCAAATTA TAACTAAACTAAAATACCTTAGATGCCTACCACAAGATACAA GATCTGTTGTTTTGGATATTTCAAATGAAGTCTTACAAGT TACCTAAAGCATATATGAACTGTGCACCAGAGAAATCAACTT TTTTATTCTTTCTTCCCTTCTGTTAGTCACTCATTCTGTT TAACAAACATTTGTTTGCTAAGCACTTTCTATTTTGAATAA TACCTTTACGTAAAATCAACATCCAGTTTCAAGAATCAAAGC AGTTAATGGATAGAATCAATATTTAAAAGAGACAATTACAAC TGGGTGCTGTGACAAGGATCATGGAGGAGCAGGAGAGGAAGG GGTGTGGGAGGGGTCAGTGGGAGGGCACCAATACAGTCT GGGAATTGGGTACGGCTGAGAGTGAAGAAGGCTGAGCGCCAA AGAATTGATGCTTTTGAAGTGTGGTGTGGAGAAGACTCTTG AGAGTCCCTTGGACTGCAAGGAGATCCAACAAGTCCATTCTG |

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|----------------|------|------|---------|-------|----|---|
| MSTRG.5694.1 | 0.02 | 0.14 | 0.03815 | 2.551 | up | <p>ATCATTGTGTCAGTCATTTGACAGATAAAATTA AAAAGATTGCA CCTTTGTACAGTTTGGAGTGAAAAAATGTGATCTGGCTGC TGATGACTACAGAGACATAACTCTGGTTGTAAGCAATTAGGC TGTTGGCTCGAGCAAAGTGATGGCTAGCTAGA ACTTTCTTAA TGGGTCAGTAGGGATAGGCAGCATTTCATCTCCATTTATCATA ATGAAAACCAGGCAGAAGTTAAGCATGCGTGAACAGTTAGAA CAACAACTTTGTTTTTATAACCATCGAGTTCATTAAGGGCCA CTCAGTCTGTGCCAGCACTATTTCCCGTGAAGCTATAGCTC ATTGTTTTATTATAATGTGTTCTTGTAATAATAGTCAACCA CTTTTGTACTGGACCTAAGGTGAGGTAGGGGTGCATCTTCCA CATTTTTCAAGAATTCACAAGAGGAATTGATTATACACTTG ATAAATGATCATTTTTATTATTTAATTTTATCAGTAGTAT TGAAATTGTGTTGCAAACATAACAATAGTATAACAAGGTAA ATTCTTATTAACAATCTCACAACAAAAATGGTGCTCACATTA TATGGGAGTCACAAAGGAGGTACAGTCTGAGCTCACAAAG AGAAATATTAGATTTTTATTTATTTATTTATTTTCAAATC AGACATGAGTAAGATTCTTTACATGGCAGTAATGACTACTAC AATAGACATGTGACATTGGCAAACTGGAGTTGAACATGAGT GACAGCCACCTTCCAAAGACATTTTCAAAGAGGATTAAGCT GTGTCTCCAAAACAGTAGCAGGAAGCAAATGTCAGAGAGGT CTTGGCCCAA ACTTACTTTTCGGTAACCATTAGTCATTCTCT GACACCTCAAGGGAGACTTCTGGACAATACCACAGAGGTTGA GACGCTTTCTCAGTAGTGCAGTCTTACCCTGTCTAATGTTT GAAACAAAAATAACAGTGGCATAACCAGTAAACCACACATCA ATTTTCATCTGATACGTGGTAAGTAGGGCTTGTCACATTGCA</p> |
| MSTRG.20952.14 | 0.13 | 0.73 | 0.02468 | 2.55 | up | <p>GTTGGTTCAAGGCCTGTACTGATAGGAAAAGGAAAGCGCTG CCTGTTGCTGAATTCAGGACGATCAGTCTCTCCTAACGATCT AGGTTTTTTAAGCTATATTTTAGCCGAAAGTTTTCTTAAAGA AAAAAAAACAAAAACAGTAGGTTAGGGTGGGGCATTAGGGA GACTAAAGGGGAAGAGAGGTGATACTTGAGCTTCAGTTAAAA TCTTAAAGTAACCAGAAGGGAGGAAAGGCTGGTAACTTTTTA TTTTAGGAGAATGTCTTTGAAAACATTTCTGCCAAGTTTGTG GTTCTTCATGAAGCTGTAGTAAGGGCGCTGGATTAGAAAATC TGGGCGTATGACTACACCAAGTGTTAAAGGCCCTTCCTTCTT CCATGATTATAGTAGCAGTTTATTGTCCTGTGATAGCTGCTG TTTTCATTGTTCTGAAGATGGTCAACTATCGACTCCACAGAG CCCTGGATGCTGGAGAGATTGTAGATAGGAACGCAAATGAGT TCACAGATCAGCGATCCAAA ACTGAGCAAGGCAACTGTTCAA CACGGAGAAAAGATAGCAATGGCCCGAG</p> |

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|---------------|------|------|---------|-------|----|--|
| MSTRG.87428.3 | 0.03 | 0.19 | 0.01164 | 2.534 | up | AGGCTTTATAGGAGAGGACAGGGTCCCTGATCTCCTAGAGCT GGTGGAACCTGATGAAGCTGGAATGTGTGGGGGGCTGTGCTG TCAGAGAGAATCACAGGAGACTTCTGGGGAAGTGAAATACTG AGCTCAGCTGAAGGCTGAGCTAGTGGGAAATGATGAGGTAGT GGGAGGGTAGATGGGAGCATTCCAGGCACAGGGAACAGCGAG GCGAAGCCCTGCAGCAAGAGGGAACGTAGGTCCAAGGATGTG CAGGAAGGCCTGTGTAGCTGGGACACAGAGGGCAAGGGGTGT TTGCAGCCAGCAAAGTTGGAGGGCAGTCAGGGGCTTGAAGC TCAGCACTGGGGTGGCAGTGAGATGATGGCACCTTTGGACGG AGGTGGGCTAGTCAGAAAAGGAGGAATAAGTTTGTGTAGGTG GGGCCAAGTTTGGGGCAGGGTGCCTCTGAGGAACCCGAAGTA AAGCTGGGCTGGAGATTTGGGGCTCAGTGCTCAGAGGTGGTG AAGAAAGTGAGTACAGAGGGAACAGAGGCCCTATGATTGGGC TGTGGAGCTAGGAGGTCTGCACTGGGGTGGCATGGGCACTAG GCGAGCAGCCAGGACTGTCTAGGAAGCCGAGAAGCCAGGGC TACAGAGAGGGAACAGAGGGCAGTGGTGCCTGTTCTCACCC ATCTACCATCACACTGTGTAGCCTTTGTGAGCTTGGCAAGGC AGGAATCAGTCCCACTTTACAGATGGGAGGAATGCAGCTTAA GACAAAAGTGGCCTTACCCCAAGTCACGGAGATAGTCAGTTA TGAACGCGGGCGCCTGCCTTCTAGGAGTGCAGCACGTATCA GGGCTCCTGGCTGGGACAGATGGGGTCCCTCCTCCGGGT TCAGTTCCAGACTCAGCCAAGGAGAGTCAGTAGTTGGGGG CAGTGGGCTCCACATCTGCAGGAATCATCCAGAGACTCTCGT CCCACCAACCCAGGGCTGTTCCCTCCTCAGCTGCAGAGC CTGGAGCAGGAGAAGGGGCGGTGGCGGGTGAGAAAGGCCAG |
| MSTRG.24164.1 | 0.02 | 0.12 | 0.01857 | 2.522 | up | AGAAACCTACATATTGCATTTTTCTGAGTCTTGCAGTTTGTG CTTTTGCTAGTTGTCTATCTATAACCTGTGTGTCCAGTTTGG TAGCGACTAGCCACATATTTAACTTTTAAATATAAGTTAATT AAAATGAAATAAAATAAAAAATTCTGTTTCAGTTGTACCAAAT TTCAAGTGGTCAATAACCACACGTGGGTAGTGGCTACTATAA TGGACAACAGATCTAGAGCATTTTTATCACTACAGAAATTTT TGTTAGACAGTGTGATCAAAGCTGTAAACATTTAGAAGCTG TTCTTATTTCTTCCCCTTATGCTTTTCTACTCTCACGTTCTT TGCTTACATCATGATAGCTGAGCACATAAACATATATTATTG GTTCATAAAACATTTTCATCATCAGATGATTATGGGACAGGCT TTCCTAGTGCACACACCCATGTGAAATTATGTAACCTACCAC CTGGCTGGGACATGAACCTAGCGAAAATCCATGGTCTTTTA ACTGAGATCACATACCTGGTTTCAGGACTTAATGAGGCGCAG GTTCTTGATGTCTTATCACAGAAAGAATTCAGTGAGAGACAA AGTGATAGGTAAGAAATAGATTGATTTAGACAACACACTCCA CAGAGTGTGGGTCATCTCAGAAGGCAAGAGGCCTCAGGATAT GGGGTTGTTGGTTTTTATAGGGTGGGTAATTTTCATAGGCTG AGTGAGGTGTCTTCTAGGTATTTGGGGAGGGGTGGGGATT TCCAGGAATTTGGCCAGTGCTCACTTTTGGACTTTTGTATGGC CAGCCTTGGTACTGTGATGGCACCTAAGGCTGTGTATGTGTC ATTTATCTTGCTGATGTGTTACAATGAGCATATACTGAAGCT CAAGGTTTGTAGTGGGAGTTGACTTGTCCGCATGTTGAACCTT TTTGGTTCTAAATGTCATGTCTGGGCTATGTCATTCTTTTAA ATGTTGTGCCCTTACTCTTTCCCCTCTGTTACAGTTGTAACA TCTTTTACTTTTTGTTGTTTTTGGCTGTGCTGGGCCTTAC |

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|----------------|------|------|---------|-------|----|--|
| MSTRG.43629.9 | 0.03 | 0.2 | 0.03564 | 2.513 | up | <p>GCGAACGCTAGAAGCTGTGCAGGCCTTGGGGAGGCTCGCCCC GCACAGAGCAGCCTCTCGGCCGAGGCTCTGTGCTATCGCGCC TGGGCGCAGAGCTGGAGCTCCGCCGGTGTGAACTACTCGG TCCTTCCCAGTACAGGCTTGCAAGCACCCGCCGGCAGCCAGC CTCTTTTCTCCCGGTTCCGGGCATTGGGCTCCAAACCTGGG ACCAAAGTAAGTACCCGGAGCTACTGATCATGGGCTGTTTT CCCTGCGCTGCGGCTGTGCTAGGGAGCCAAACGCCAGGGG AAGCCCGCACAGCACATCCACCTGCCTCTAGGCGGGAGGACA GCTCCAGGGAAGGCCCGGTCTGGCAGGCGCTTTCTGGGCACA AACGGAGCAACACTCTGGCTGTGGAGCTGCCTCCCAAGCCA GGGGCACCGGGACCCTGATTCCCTCCGTGCGGCGCTTAGTCT GGGCGGGGAAGCACCAGCTTGGAATGCAGCTGGGGCGCTT CCTTTCCCTCGGAAAGAGCTCTCCCCGCGGGAGGCTTTGGCA GTGTGCACACCCCCAGCCCCTAAGCCCTCTGCAAGGACGCCT GGCTCCTAGGTCCGAAGGGAAGGCGAGAGCTGAGCTGAGGCA GCAGTCAGGCACTACTCACGGCTCCACACTCCCGCAGCCTG CTCCTTCTGGGCGGAACGCTAGAAGCTGGGCAGGGCTTGG GGAGGCTCGCCAGCACAGAGCAGCCTCTCGGCCGGGGCTCT GTGCTATCGGCCCTGGGCGCAGAGCTGGAGCTCCGCCGGTGT GGAAGCTACTCGGTCCTTCCAGTACAGGCTTGCAAGCACC CGCCGCGAGCCAGCCTTCTCTCCCGGTTCCGGGCATTGG GCTCCAAACCTGGGACCAAAGTAAGTACCCGGAGCTACTGA TCATGGGCTGGTTCCCTGCGCTGCGGCTCTGCTAGGGAGCC CAAACGCCAGGGGAAGCCCGCACAGCACATCCACCTGCCTC TAGGCGGGAGGACAGCTCCAGGGAAGGCCCGGTCTGGCAGGC</p> |
| MSTRG.174668.8 | 0.08 | 0.49 | 0.02622 | 2.495 | up | <p>CCGCCAGGCTCCTCTGTCCATGGGATTCTCCAGGCAAGAATA CTGGAGTGGGTTTCCATTTCTTCTCCAGGGATCTTTCCCA ACCAAGAATTGAACCTGAGTTTTGTGACTGCAGGCAGATT CTTTACTGTCTGAGCCACCAGGGAAGCCAGTTAGTTTTATGA ATTGGGTATTATTCTACTTCTGGAATGAGACTTGCAGAGGT TAATTTGTTAAGTGACTAATTCAAAGTACAAGTTCCATATG CCAAAATGGCCTGAAACATGCTTGTCTGGCTGCAGAGTTTAC GAGCTTCACTATCACATCACTACTGCCTGTGAACATCATAAA ACTTCCCCCGTTCCTTTTGTCAAAAAAATATATAGTGAC TCCTTTTTCTTCCCAAGTGAATAACTGGAACCTTTTCATCGT TAGTACAGTAATTAATGAGGAATGTTATGACAAAAACAAA CAAAACAAAAACCAATCACAGAGTGCCTTTGCCATGGAGTT TGTTTCTCTGTTCAGCTTTAATGAAGCCCTGTGAGGTACA TAAAGGAGTGTCTGCTGTTCAAATCACAGGACTTCTCTATAG TGAAACCTTGTAATCAAAACATTGCCTGCAAGCAGTTTCCAT AACTTATATACCTAAGGAGGAGTTTTTACAAATGAATTTAA GAATTTGTGAATTTGGTTAATAAAAAATCTAAGGCTCAGT CCTGAATGCAATAAAAAGCAAGTTGTAAGTATATCTTTAGGA TTAAAATGATGGCATGTGTCATTTTGCATTATTCTACAGGT CATCAAGACTTCCCCAGGTGTGATTCTCTTCCACCTTATTC GTCTTTATTTAGCAAAGCCCTGTCTGGCCCTTCTCGCTTGT CCCGCTGCTAGCCTTTTCACTAATCTTAAGCCTTTTAGTTCA TCAGTGATTATGCCCTAATTTAACATCCCAATAATAATAT CTCTACAGTCGCAGCCACTATCAAAATGGCCAGTGTATAAG TGCTGTCTATACTAACTTCAAAACACAGCCTTCAAAAGGT</p> |

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|---------------|------|------|---------|-------|----|---|
| MSTRG.90991.1 | 0.05 | 0.35 | 0.01945 | 2.493 | up | <p>GTCGTCCCCTGCCTTCGCGGGCTGAGGCTGCTCCCAGGCG GCCACGGTCCCCTGACGTGCTCAGGACTCAGCAGACGGAT TTCCTGCGGGTCCGGCTGCCTCTATTCGAGGGGCGCCAGGAG TCCCTTCTGTTCTCCTCGGGCTCGGAAATAGAAAGGATGGTG TCCGTGTGGAGGCGCTGTGTTTCAGGGGTGTGAGACACGGAT ACATCTGTGTGAGGATCACAAAGCTGACAGATTGGTGCCCCG TGTGGCGAGGTCGACCAGATGGCCCCGACAGGTTGGGGATCTT GGTTAACATTTATACTGTAATTTTATCCACAGAGTATCAAAT TGAAGACGACCAGAGAAGGTGTTGAAATGAAGAAGTTTCTTA ACACACTGAGAAGTTGGGGAACCTCTCCTTCCAGCCACGAGG CCCTGCCCTGCAGCAACCGACCTGAAAACAGACCCCAGCC CCTGCAGCAATGGGCTCCAGGATTCAGTGCCTGGCCATAAC TGATGACTACAACTCAGTTAACTCTGTGAAAGAAAGTA AAGTTGCTCGGTCATGCCTGACTCTGCAACCCATGACTGT AGCCTACCAGGCTCCTTTGTCCATGGGATTTCCAGGCAAGA GTACTGGAGTGGGTTGCTGTTTCTTCCAGGGGATCTTCC CAAGCCAGGGATCCAGCCCGGGTCTCCAACATTGTAGGCAGA TGCTTTACCATCTGAGCCACTTAACTCTGACTAGGGATCA TATAACAACAATGTATCCTGCTTGAGGACAGTTTCTCCTTCC TGAAAACCTTCTGATTAATCCTGATATCTTAGAATGTATATT ATGGGAATGGGTCTGGTAGGATCTTCTGTAAATTCTAATC CTGTTATCCTAAAATGTTAATTGTGGGAGTGGGTCTGGTAAA ACTTTCACAACTTGAGACATTCTTTGATTTAATGTAGTAA CTAATTTAAAAGTATATACATCCCTTGCTAACACCATCAAG GGGGGGCACTCTCCACCCCTTCTGCTGTCCATGACAGAAGC</p> |
| MSTRG.30239.1 | 0.2 | 1.13 | 0.01448 | 2.471 | up | <p>CTTTTTAAGTAGCTGAACATCATGTCCAGTACTTTGCAAAAT TCTTTCAGATCCTCTACTGACAGCTCAGTAGAAACGTCACC ACAAGCCTACTCGGTTGCAGTGAGACAGGTTCTCATTTTGT TTTACCTCGGAAATATATCTACAATCCTGGCAAAGAATCAT TCTTCTCCATCACACTGCAGGACTTAATTTGGTAAAAAAGGA AAATTGAACTGCAGGACTCGCTTTTGGAGCCGAGTCTGCA CATAAGAAGTTTGCACGCTGTGAGGAAGCCCAAGTTACATGG AAAGGCCACATGTGGATTCTCCAATCAACAGCCCCAGCTGAC ATCCCACCCACCCAACAGCCAGATGGACCACCAGACATGTCA GCATCCAGCCCACAGCTGCTGAGTCACTTCCAGGCGTCAT GAGGCTCCAGAGCCAACCCACTGCCTTGTGGAACGTCTGAC CCCAGAATGCATAAGAGTAGTTATTTTAAATTTTTTTTTGG GGTGGGGGATCATTGTTACACAGCAGTAGTAACTGCAACA AACTGTAAAGCTCTTCTGGATCCCTGCCAATCTTATCTACA ACTCACATGCACTGAAATGCATGAACTTATATATAAGTCTTC CCTCTAATAATAACTGTTTTAGTACTCTTGCTGGAAAAT CCCATGGACAGAGGAGCCTGGAAGGCTGCAGTCCACAGGGTC CCTGAGGGCCGATACGACTGAGTCACTTCACTTTCCTTTT CACTTTCATGCATTGGAGAAGGAAATGGCAACGCACTCCAGT GTTGTTGCCTGGAGAATCCAGGGACGGGGGAGCCTGGTGGG CTGCCGTCTATGGGGTCACACAGAGTCAGACACGACTGAAGT GACTTAGCAGCAGCAGCAGTATCTTTTCCCTTCTGCTGA GTATCATTATGGAAAAGAAAGCCAAAACGCTAAAAGTTGCT ATATTGACTAATGTTTTATTGAAAGTCTTAAAAAATAA AAAAACTATTTTCAAGTGTGTGCAAGTCTTGTACTTTAT</p> |

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|----------------|------|------|---------|-------|----|--|
| MSTRG.25404.1 | 0.06 | 0.34 | 0.01259 | 2.464 | up | <p>GCTGGGTCTTTGCTGCTCGCTGGAAGTTGCTAGGACCTCTGG ACTGCAGTCTCCCATCTCTTGCTGACCTCTTGTTGACCTCTG CAGAATCCTGGTTGCTGGGAGCTTGTTAGTTCCTTGTTCCCT ACCCGGACCTCCTGTGGTAAATGTTTTCTCCTCTGTGGCC TGGTAAGGCTGGGTGGTCATTGGCATCCCAAAGGTGGCTAGA AGTCAATGATTTAGGCAGGCTTGTGAATAGATATGGGAGAAG GAAATGGCACCCTCCAGTACTCTTGCTGGAAAATCTCA TGGACGGAAGAGCCTGGTAGGCTGCAGTCCATGGGGTCGCTC AGAGTCGGGCACGACTGAGCGACTTCACTTTCACATTTCACT TTCATGCATTGGAGGAGGACATGGCAACCCACTCCAGTGTTT TTGCCTAGAGAACCCAGGGACTGCGGGGCTGGTGGGCTGC CGTCCATGGGGTCACACAGACTCGGACACGACTGAAACGACT TCGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGTGCATA GATATCAAAAAGGGTTTAGAACAGTCAGGTAGGATCACACAAG TCACCGTGAAGCAATACTTCTCCACTTAGCCAAAGCTAACAA</p> |
| MSTRG.133982.9 | 0.03 | 0.18 | 0.01699 | 2.458 | up | <p>TGAGGAAATAATGTTCTTAACTTAGTGTGACTGGGACCGCC TAGTCTCTGGATCTTTTCTTCTCCTGTGATTTGAGAACCGG GGAGAACAGGCTCCCCTCCTGTTCCCTCAAGCCTGTTGTGCAC ACCAGGATCAGTGTCTCGCCCCTGGACTCCAGTAGGGGGCA GCCTTTTAATGGCAATAATTCAGATGCCCCACGGAGGGAGGG TATAGTGAGGGTTGAGGAGAAGGGGGGGGTTGTGGATTAAT GAGGTGCACAGATGCTGAGAGGTGGGGGCTAAGCAGGACACC CTTAGATCAGATAGCCAGGGAGGGAGGCTGTCTCCAGTCCCC TGCCTGCCGCTCCTCCTCTTTACTGGAAAAGGATCCAAATG CAGGGCTTTGAAAGTTTGTGAATGACTTAGGACAATTTTGT TAATGTGTTCTTTTCTGGAGGATTTCCCTCCTGGAGGGATTT CAGATTTCTCTCATGGGACAGTGAATTAGGGGATGATTTCC TCACTCTTCAGAGAGGGGAATGAACTGGAGTAAATTTGGTTT CCTTGTCTTCCATTCTTCCCCCTAACAGACAGTGGGTGTGG TTATCCTCTGCCGAGGTGTACAGAAGGGTTCTTTGCCACT ATTGTTAATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGAG AGTGTGAGTGAGTCGCTCAGTCGTGTCTGACTCTGCGAACCC CTGGACTGTAGCCCCCAGGCTCCTCTCCTCATGGGATTCTC CAGGCAAGAATACTGGAGTGGGTTGCCATTCTTTTCTCCAGG GGACCTTCTGACCCAGGGATCGAACCTGGGTCTCCTGCATT GCTGGCAGATTCTTTACTGCCTGAGCCACCAGGAAGCCCCT GGGTATTGATAATCTGGGTCCAGATGATTTTGTGTGGGG GGCGTCTGTGCATCGTAGGATTTTTAGTAGTGTGCTGACC TCTGCTCGTGAGATGCTGGTCGCACTTCCAGTCATGCCTAC CAGAATTGTCCCCAAGATGTGCCCTGGGGAGCAGCATTGCC</p> |

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|----------------|------|------|---------|-------|----|--|
| MSTRG.72224.16 | 0.04 | 0.21 | 0.03374 | 2.441 | up | <p>GCTTGGGTTTGTTCATCAGAATAGCTTGAACGCCATCATTCTC TAAACTGACCAGACCTTTACTCAAACCTGAAACTCCTGTACTT ATCTGATGTTTCAGAGAACCTGAAAGAGCTTAGTGTGTGTTCC CTCTAGTTGGACATTTTCAACAAGAAAATGTCTAGTGTGTC AACACGTGGCCCTGTCCCTGGCTGTCTCTCTAGATCAGCCAT GAAGAGGTTGGGTTCACTCTCCACCCATCACTGAAAAGACCA CACTGTTTACACTTCTCCTTCCAGAGAAAATGTTTGCTTATCC CTACTTCTGTTTTCTGGTCCTAATCCAGATCTCTGTCCAAGA TAAATATTCTATTGGCTTCACACTGTTTTATCCTCGTTAAAA ACGAATGACCAGATACCTGCAGTTCATAGGGTAAAATGTTA ATGGTGATTTCAGACTCGGATGAATAAATGAATGCTTGTTTTG CTTTCTCATGTCATAGTTTTAAAAAAGAAGCCACCTAAGTTT ACTTGTGCATGAATGACATATACTTACAACCTCAGAGGGCTC TCAGATGTCTGTTCCCTCTCATTGAAATTTGTGGATGTCAGT TTGAGAGAAGTGGGCTGACTAGGACTTGAGAGTTATGCATT TCACCATAAATTGTGGCTGCTTTCATATGGTGTGAGAGTT GACAATGTTTTTTAAGTTTTTTAAAATAATTTTTAAATTTA TAATTGAAGGATAATTGCTTTGTAATATTGTGTTGGCTTCTG CCATCCATCAACATTAATCAGCCACAGGTATACATATGTCCC CTCCCTCTGAAGCTTGCTCCACCTCCCACCCATCCCACCC CTCTGGTTGTCCCAGAGCACCAGATTTGAGCTTTCTGAGAC ACACAGCAAATCCCTCTGGTTATTTATTTAAATATGGTAA TGTGGCTTTAATTTCCCAAAGCACATAGCTTAGTTTGGGAGG AAGCTCCAATAGTCATTCTCTGCAGCCTTATTCCATGAGAG TATTGCCCCGTCTCCTAGTAACAAGTTACCCAGCATCAGAGG</p> |
| MSTRG.215929.3 | 0.12 | 0.66 | 0.02301 | 2.427 | up | <p>AGTTACTTGATAAACGTGTTTTATTAGGCGGGTGAGCAGAAAC TTAAGCTTAAAGTCCTCAGCCGGGAGAGACTGCTGAGTAGGG ATGAGAAGCAAGTGGTGCGGGAACCCGGCGCTGCGGGGCGCG AGGACCCCCAGCGGCCCAAGTCCACCCGGACACGGCTTGGGG AGGACGTCGAGCGCCCCCGCCTGCCTTCTGTGCCCCACC CAGTCCCAGCTCTGGAAGACATCGCTGGGCCGCGGAACCCC TAACGTCTGGCCTCTCGCGTAGTGCAGTGCCAACTTTCCA GCAGGCACAGCTCTCCAGCGCAGCTTTAACTCGAAGCTGC GAAGAACCGGAGTCAATTTGCTGCCCGAAAAGGTGCACACG TTTCCATTTCTGAGTTTGCAGTACTGGGTCTGCAGACCAA AGCAAATGTATGACTGTGCTCCTCTAGTTCTCCATATCCATG ATTATACATTTCTCTCCGCTTTCCAGTTTGCAGTTGCACT TCGCCAAGCCAAGTACAACTATCAATTTTAGAAGAGTAATT AAGGGCGGGGAATACACACCTGAAGATGTGGGCGGGAGCGGT GCGGGACTGAGGCCTGGGGATCCTTCTCCGAAAGAGGCAGC CGGAGAAACTCGCCCGGTTCTGAACACCTCCCAGTCCACGG CGGGGGCGGCCACAGGGAGGACGCGAGTGCTCTCCTGCCGC GCCACCCCTACCATCTACCACCCTTGGCTTCCAGGAGTGTTG GCAGTTCTCTGCCTCTGGCTTCACTGCTAAAGCCGCAGCACA ACAGAAGTAGCTGCTTACTAGTAAACACTGCAGACTCTGGCC TGAAACGGCACGTGGGGCCACGCCAAGGAACTTTGGCAGGA CTGATCCAACCTACCTGTAAGAAAGAAAGGCAGAACC GCGAGG GAGGGCTGCGTTGGTGC CGGTCACTCGGTAACCTAGGGCTTT GCAGAAAAGAGAGGTCATTGGAACCACAGCGAGTGGGGAGA GGAAGACTTCTTGAAGGCATGAGA ACTTCTCAAGCTTCCAG</p> |

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|----------------|------|------|---------|-------|----|--|
| MSTRG.168241.2 | 0.21 | 1.26 | 0.03299 | 2.403 | up | <p>TACTGGAGTGGTGTGCCATTGCCTTCTCCGGAACATATGTAT ACCTATGGCCAATTCTTGTTTCATGTATGGCAGAAACCAACAC AACATTGTAAAGCAATTATCCTCCAAGTGAAGATTTAAAAA ATCATAATTTTTCCCTTTAAAAAATAGCTTTGATGTATAA TTGACATAAATTTGTATATATCTAAGGTCTATAGTGATGTTT TGAGCTATGTATACATTGTTAAATGGTCACATAATTAAGCTA ATTGACATATTCATCACCTCTACATAGTTGCTATTTGTATGA ATGTGTGCTGTGTATGGAAAGATCTAAGATCTATACTCCTAG AAAATTTCAAGTATACAACACAGTACTGCTAAGTTGTTGTCA CTATAACGGACATTAGGTCTTGAGAACTGTTTCATCTTGCAA AACAACTTCATACCTTCTGGTTACAAGTAGTCTCTTGGCAG TCAGATTTGGTGGTTGAGACACGGGCTGGGGAAGCCAAGTGT CTGATTTGTCCTGGTGTACCATTTACTGTGGCTTTGGGGAA ACTAACCTCTTCCCTCTTTTATCAATAAAGTTGGATAATTAT AAAATCTGTTACTATTGTGAGTCTGAAATGATAAATGGCTTA CAACAGTGTCAAAAACAAAGTACTCAATAAATGCTAGTTTTT ATTGTCATTATTATTGTTAATGTTAAAAGTAGTAGATGTATA AGAGAAATAACTAAATTTAACATCTCCTGATGGGGACTTAGG GCTAAATGTTTTTCTGCTGCGCATCCTGATCTAATCTGACCA GGGTAGTGGAGTAAGAGCTTTTTGGCAAAAACACTTAAGCT AATTTACAAGTCTTGTTCAGTGTTAAGTCGTGTCCAGCTTT TTGTGATCCAGTGGACTGCAGCATGCCAGCCTCCCCTATCCT TCACTGTGTCCAGGAGTTTACTCAGATTCGTGTCTGTTTCAGT CAGTGATGCCAGCCAACCATCTCATCCCCTTCTCCTCCTGCC CTCAATCTCGCCCAGCATCAGGGTCTTTGCCAATGAGTAGGC</p> |
| MSTRG.65420.2 | 0.05 | 0.3 | 0.02933 | 2.392 | up | <p>CAATAAGGGCTTGAAGGAAGTTTTCCAAAGAAGAAAGATTTT CACTGTGTGCCTTCCCCATTCCCTTCCCAGTACCATTCCAC AAACACAGGTTTTAAAAAGAAGAAGAAGAATGAAGACTTT GTGAAATAGCCTGTGGACTATTAAGGGAGAGGGGTAGTGCA GGAAGGAGAAGGGGCAGGTCCACCTATGACATGAGCTGAAAA AGGATTGGCAGAACCTGTCTGACTTCCCATGTTAAAGACCT GCTGGGGAGTGAAGAAAAGCGGTGCCGGGGCAGTGTCTGG GCGGCCACACAGCAACGCTCTCAGTAGGAGACGAAGCTCTT AGTGGATTGGCTACCTTCCACCATGGTGGTGGCTCTGAACTG GTTTAGCAACCTGAGGACCCTGAGAATATCTGGACTGGAGAC TCCCTCCTAAAGAATGGCTTTGAGCAATCAGAGACAGGAAG GACTCAGCAGGCCAAGGGACAGAGCGGCATCGCCAAAGAAAG AAGCCCCATACCAGCAAGTCTCACGTGGTGTCTGACATGTAG CAAGTAAATAGCAAATACCATTGAAGGAGCTGCTACAAGAAG CTGTCTCCACCTAGACACACCCCAAGTACCGTCTCAGAAAAT GCTCTGTGCGAGAAGCAAAGGCCTGAAGATCCAAGGACCCCT TCATCAGAAATCTTGCATCTTTTCCCATAAAAGAATAGAA GGCTACTTGATGAGCTCCACTCTTAATGGTAACAAGGGGTTA ATGCTTCCAGTTTCCATCTCAAAAGGGAAAATAAAAATGCC</p> |

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|----------------|------|------|---------|-------|----|---|
| MSTRG.108023.1 | 0.09 | 0.46 | 0.02613 | 2.391 | up | <p>CAGGGATGGAACTCGCATCTCTTATGTCTCCTGCATTGGCAT GTGGTTCTTTACCACTAGCGCCACCAGGGAAGTCCACCAT TATGGTAATATATGACTATGCTATAACAATTATATTAACCTGG ATTCTATGATGAAAAATAGTGGGAGAATCTAGTGAAGACTG AGGGAGAGGAATCAGACAAGCTGGTGAAGTCTGAAGGATGGG TCTGCATTAGCCAGGAGATCAATGAGGAAGAACCTTCCAAGA GCAGGAAACAAGCGTGGATTAGAAAAGGCCACTGTGGAACCTC ACATCAGGGGAGGAGGCAAAAATGAGACTGGAAATGCCAGCA GAATTCAGATCTTGCCACGTATTGTGGGCAATGCGGGATTCC AGCTTCTCTTAAGGGCACTGAGAAGCCAGTGGAGTATTTTAC AAATAGAGGTCCATTGATCAGATCTGCTTTTTTAAAAAGATC ACCCTGGGAGCAGGCAGGAATCACACAGCTCAGCAGGCAAAA ATCAAGGAGCTGAGCACGCACGAATCTCGCAGCTCAGCTGGC AAAAATCAAGGAGCTGAGCAGAAAAAAAAAAAAATAAAAA ATAAAAAAGATCACCTGGTTTACTTATTCAGAATAGAGTAGA AAGGGCAAGAGTGGAAAGGAGCAGCTGGGGGCCAGGGTTTG CTAGAGTGGTCCAGGCAGAGATGAGATGGCAACCAATGGATG GAGTCGAGGGGCCGTCTGGAGGCGAAGATGACCAACGGGCCA GAAGGGGTGAGGCATGATGGGGGCACACTTCTGTGCACTT CTGCCCTGAGCACTCTCCACAGAGCTTCCAGCGATGTTCTAG AACCTGAGGCCCGGGAAGGCCCTTTCTACTTGCTGAGTG ATCCAGAAAAATATGAAAACCTCATTATATGTTGCTGTGA GCCCTATTTGGCCTGAGGACCATGGGTACATCTAGATTA ACCTATCCTTAAGCTCACATCAATTGAGAGAAGGGTGAAGCA TTAAGAGTTAGGAGAGGGCTGTTGGGCAGGAGGTCTACAGAG</p> |
| MSTRG.81336.3 | 0.08 | 0.43 | 0.02618 | 2.361 | up | <p>CTCAGCTCCGCTAGCCTCTATTTATAGAGCCCGGAACCCGAA ATAGCGCGGAGCCGAGCGGCCGGGATGACGCGGGAGCCGCCG GGGGCTGACTACCCGGCCCGGAGCGGCGGCCCGGATGGG GGACAGTGGAGGCGCTGGACTCGACCCACGCCATTCCGGGC ACCTCTTCTGCTGGGACGTCCAGGTTTCCACGAGGCACTGT GGTTGGATACGCAGCAAAAAGGAGGATCTGCAGCACGAGAGA CTGAGGAGATCTTCTCAACCCAGGGATCGAACCTGCGGCTCC TGTATTAGCAGGCAGATGCTTTACCACTGAGCCATCTGGGAA GCCAACACCATGTTAGAGATGAAGAACTGAGATTCAAGGA ATACCTTACATGTCCTCAGAACTGTCTCCTGAACCAGGTACC CTGGCCCCGAGATGTTTCAAGTCCCAGGACTGTGTTTGT TCCTATTGGACCGAAAAGTCCAACCTGCAAAAATATCTCAACAC ACTGAGCACAGAAGCAGAGGTGAAGTCCTAGCTATCTTCTGT CTAGCCAGACATTAAGTAATTTGTA AACATTGCCCTCTT</p> |

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|-----------------|------|------|---------|-------|----|--|
| MSTRG.133252.10 | 0.05 | 0.24 | 0.02217 | 2.345 | up | <p>CCCCATCCTCGGCCCTGCTCTGTTCTTGCCTCCCTGCCGGG TCGGGATGCGGAGCCGGCAGAAAGTGCACGCGCTCTGCCTGG AGGCGGTGAGCCGCGCCGGCGCGCCGGGCTCGCTGCAGCCA ATCGGCGCGCACCGCGGGTACCTCCCCGGGCCAGCAT AAATCGTCAGGTTGCCCGCCGCGGGTCTCAGTCTTCGGGGC TAATTAGCAGAGCCGGTTCATGAGTGGCGGGACGGCCTCCG CGGGCCGGGAGCGGCGGGCGGGCGGGCGGCTTCTCGGGG GCCGAGACCTCCCTGCACCGCGGGTAGACGGCTGGCGCGGCC GCTGCCCGAGCCGCTGTCCGGCCCGCTTCCCCGACCTCGG CCGCTCGGTGCCCGACCCGAGAGGGTTAGGCTGGCCC GGGCGAGGACCCGCGGGCCACCCTTCCCCTCGGACC CTCGGCTCCGCTTCCCGGGCCGAGGCGCAGCACATCCCGC CTGCCTGCGGACCTCAGAGGCGCCTTCCCGGAGACTCTGAA CTTCTGAAAATCCCGAGACCGCGTCTGGGTTTTGTTTTGT CTCAACTTGGCTTGGGATTCTCTGGCCACTGGATACTCC GTTCTCTGTGGGCTCAGATGCCAGCTTGAAAACTCTC ATACTGTTATTGTAACAAAGGTAAGAACCCTTAAATCTGA GTGGCAGCTTTATTTCCCTATCTGTTCTGTTGTCTTTGCCT TGAATGAAAGCAGAAAGAACAATGGTCACCCCTTACCATTCT GGAGCTCCAGTTCATAATTTGTATTTTTGCTTGAGACAGAAT CTGTGCTCTCATGATGTATCCAAAACAGTTTATTGTGAAAG AACACATTGAATCCTTATTTAAATTGATTTGCCTAAGAAATG ACTACGTCTCTGTGACTTTCATTTAATGTAGGAAGTGATCAT GGAGAATAATCATTCTCAAGATGCCTTAACTTTATTGTTAGT TATCAACTACCCAGCAGTTGGAGAACGATAAATAGCTGGTTT</p> |
| MSTRG.145823.1 | 0.04 | 0.2 | 0.02361 | 2.331 | up | <p>CGGAAGAGAGAACAGGGCAGCAAGAGCCACAGCACGAGGAC GGAGGTGGGGGAGGACCCGGGGGCACAGGCAGGCAGAGCACG GACGGGTGTGTGCCTACTTCTGGGACAGTGAGGGGCGACA GGTGGGAAGGTGAGGCCCGGGAGACTGGAGACGTTCTGCT GGGAAACGAAAGGTTCCAGGACATGCACAGTTACCATCACA GGCCAAGGACACCTTCCACCTCGGACACGGGGCAGACCCCA GACCTCAGACCTCAGCGCAGTGGGGAGAGGTGAAGGGAAGCA GACCGCAGCTCAAGGTGAAAATGGAATTGGCTTCCCTGGTG GCTCAGACTGGTAAAGAATCTGCCTACAAAAGCAGGAGACCCA GGTTCAATCCCTGGGCCAGGAAGATCCCTTGGAGAAGAGAAT AGCTACCCAATCCAGTATTCTTGCCTGGAGAATCCCATAGGC AGAAGAAACCCGAGCGAGGTCCCAAAGAGTTGGACACAAT GAGCGACTAACACTTTCACCTTCTGACAGGTGGAGAAAAAGG ACAAGCAACAGGATGATTGGAAAAGTAACTCAAAAGCAAACG TCTTACCACCAGGACATCACTGAAACACAAGGCAGAAAGCC TCCGAGATCCAGAAATGACACGCTCTCAGGAAGCAAATGATG GCTGCCATCACCAGGCACCTCCATTAACAAGCTCAACATCAA CCCTAAACATTTTTTATCTTTTCAAAAACCAACTGAGGCC AGAACTGTCAAAGCAAGCAGGCATTACACATTGTGTTCAGA GTATGAATCACTCAAGTTGCTCAGTCGTGCCGACTCTTTGT GACCGCATGGACTATAGCTACCAGGCTCCTCCATCCATGGA ATTTCCAGGCAAGACTACTGGAGTGGGTTGCCATTTCTTC TCCAGTTCAGAGCATGACCTTGCCGAAATCCTGAAGGCTGGG CAGCAAGGTTAGAGCACATTATTACACACTCCTATCTCCCAA GTGCTCTGGGAAGAAGGTGTCTAGGTTAACTGTCTGGTTAGC</p> |

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| MSTRG.114102.2 | 0.03 | 0.25 | 0.03996 | 2.328 | up | <p>GCGAAGGAAAGCTGGGGATTGCTCTCGAGTGACTGCAGGGCC AATAGACCTCATCTAGGCTTGTGTCCAGAAGCCAATGTTTCCT CTCCAGGGGCGACAGGGATCTCGGGGCTGCATTCCAGACGCA CCCGGGGAGACAGGCATTCATCTCGAGTGAAGCAAAGAACC CCGCTCTGCTCTCGAATCGCGACGGGTATCTCTTGGAGCTCA CTGGGTGGACTCAAGGGAGTCAAGCCTCCTGAGGCGTTTGA GAGAGGTGCGGAGATTGGTCGCTAGGCCATGCAGGAGACGAA GGCCATCATCTCTCGATGACGGGGGAATCTCGGGGTTGTTCT CGAGCGGGCGCCCAAGTGTGCGGTTTCTCACGAGGTACGACG GCGAGGTGAGTGCAGCCTCTCGTGGGGCGCCAGGGAAGTCGGG TCTCCACGCGAGTGGCGAGGGGAGCGCGTCATTGCTCCCGA GCCATGGTAGGGGAATCTGGCCTCGAGACGTGTTGAAGAAGG TCTCTCGAGGTCTTTCTCGGGTTGAGGCAGGAAACCCTGGGT TCCCTCGACTTGTGCAGGTGACCTCAGGGGCTTCTCACGGT GGCTCTGAGAAGTCAGGAAACTGGAGGTGGGAGGGGC</p> |
| MSTRG.68681.6 | 0.03 | 0.15 | 0.03948 | 2.313 | up | <p>GCTCGCCGACGGGCGGCAACCCCAACCGAGCGCTAATAAAA ATCGCCGACAGAGGCGCGGCCCTCGCGGGCTTCTTCCCTAG GGGGCGCTGCGGAGCGCGGGCGGAGGCGCGCGCAGGCGCG CGCGCCAGGCCTCGGACTCTTTTGGCCCTCAGGGCGGAAG GAACGCTGTGCGCCAGCGGAAGGTCCTTGCTATCCGAGG CCTCAGCGGCCCGGAGCGGCCCGCCCTTAAATCTTTTC TGAGCGGGCGTTCGCGGACGCGAGCCCTTTTGGATGCCGC GGAGGGTGGCCCGGGTTTCAGGGCTTCCCGCCTGCGTC GAGGGGAGTGGGCGTTGTCCGTGGTAAAATAAAACTGGGAA GGGATCTTCGCCCAGTTGGCGCTTCTCAGCGCGCTGACCTG TGGTCGAGGCTTGGAGCCGACCTCTGGAGAGGGCAGAGGCC CAAGCGGAGATCAATACTGAATGGATCAAAATCGGAAAGAAGC CTCTCTGGCCAGAAAAAGAAGAAATAACATCCTTAAAGGAGG AACGTGTAATCAGGAATTGAGCCAAGAAAAGCATGGGAGGA GAAGAAACCATTAATGAGAAAGGAGCAGAAGAAACAAAAGCA GAGAGGGATTAAGTATGGAGCAAGACTTTGGAGATGGAGCA ACAAGGACAAGATGGCTGGATTGGTCTTGACCAAGAGGTGGT ACTCCTCATCCTGAGGCTAGAGAAAGCTAAAATGGAGATA CTTATACAGCAAGTTTGCAGGAGTGGTGGTTGGACATTTGGG GTATTTTATAAAGGTATTCTTACCTGTGAAGTAAGGGTCAAG GTCATCTGCTGAGATGGCATCTTGTTACTGCTGTTTTGGAAT TGAGGTATTTGAATTAAGTAACTCAGTTTATTTAAACCCTAGTA AGAATTTTGTCTACTTTATTCTATTTACTTTATAAACATTC TACTTTCCACAACCTATGCATTTTAAATTATTTTCATCAATG TTTTGTTATGAAAATTATCAAGCATACAGAGAAGTGGAAAGA</p> |

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| MSTRG.185825.1 | 0.08 | 0.42 | 0.04045 | 2.313 | up | CGCATGCGCATACAAAGTTGTGCGCTGACCAGGAAATCCTTC CGATCTCGCGGTCCCCTGTGTGAGGAAGGTGAAAGGGTGT GTTGTTTCTTGATACTTTAGGACAGTTACTTTAGAAGTCGC TGTTGTTACCAAAACGCCAGGTTGATAGTTCTTCTTCAT AACCTTTTGTTCACCTGGTGTGAAACAAAAAGGTGGGTCT AGGTGAAGCTTTTACTTAGAAGCGGCCAAGTTGGAGCACTAT GTGCGAGCAGTTGGCAGGCATACTGCTATCAAGAGGTCTGAA CTTTGCAGGTGGCTCAGTGGTAAAGAATCATCCTGCCAGTGT AAGAGATGCAGGTCAATCCCTTGATTGAGAAGATCCCTTGG AGAAGGAAGTGGCAACCTACGCCGTATTCTTGCCTGGGAAA TCCCATGGCCAGGAACCTGGTGGTCTACAGCCCATGGAGTCA CAAAGAGTCCTTATTTAGGACTAAGTACTAAATAACAACAA TACCTAGCGAGTAAAGTGCTAAGAGATCCCTGAAGCTTCTTG AAATTGCTAGAGTAAAATTTCTTGTATGGTTAGGGATGGGA ATGGACAAGTTTGTAAAGGCATAATAAAATTTAATTTCAAAG AATTTATTATCTGTTTATTTTGGCTGTCTCAGGCCTTCTTG CTGTGAGCGGGGGCCGCTGTGTGATGACAGCGCTTGGCCCT CACCGCGGTGGCGTCTCACAGGGAGAGGGCTCTGGGGTGTG AGCGTCCGCGTGTGGCTCTCAGGGTGTGGAACGCAGGCTC AGTAGCTGTGGCCACGACTCAGTTGCTCCAGGGCAAGTGG GATCTCCCTGGATTAGGGATCGAAGTCATGCCCCCTGTGGTG GCAGGCGGATTCTTAACCACTGGACCACCAGGGAAGCCCTG GTCCCGTCATTTAGAACACATATTTGATGTCTGGCCACCG TACTAGTATGGAAGTATAAGTTGAAAAAATGTAGGGCACTTT TTTGCCAGTGTACATAATAAAAAATATCTAGTAATGTTATTT CACTGGACACAGTGGAGATGTTTGAAGTTATTAAGTCCATGT TCTGTCTATGTCAGTATATTTACGCTTGTGAATGGCGTGTG CACTGAAGTACCCTCTCCTCTCACAAGAAGCATCTTCCAGAA ATCACCTCACCCAGATTAGCTGGCCGATGACCACAGTGACA TGTGCTTCTCAGATAACACATGACATTCTATTTGGCTCAGAA CTTAGTGGCTGGCTCTGCTAAAAATAAGTCTTTAATGGTTGA TTAGGACATTCATCACGGGGTGTAAATTCGGGAGTTTCT TCGTGTCATGAAACATATTTATGGACGGCCACAGAGTGGATG CACCTCGTTTCTTGATGAAATGTGATAAGGATTTCCAGAGAC TCTTTCCCGGAAGTTCATTGCAGAGTACGGAGCAGTTCCC CGCGCTCTTTCGGGCCTTGTGGCCATCTGCTCAGCATGCGG TGGTGCCTGTTCCAGTTCCAGCTTACCCTCCCCGCTCTC CCTCTGGGAACCACAGTTGTTTCTGTATCTGTAACCTCATT TCTGTCTTGAAATATGTTCCCTTGATACCGTTTTTTTTTTA GATTCACATATAAGCAATATCATATTTGTCCTTCTCGGCCT |
| MSTRG.129912.5 | 0.05 | 0.27 | 0.01814 | 2.296 | up | CGCATGCGCATACAAAGTTGTGCGCTGACCAGGAAATCCTTC CGATCTCGCGGTCCCCTGTGTGAGGAAGGTGAAAGGGTGT GTTGTTTCTTGATACTTTAGGACAGTTACTTTAGAAGTCGC TGTTGTTACCAAAACGCCAGGTTGATAGTTCTTCTTCAT AACCTTTTGTTCACCTGGTGTGAAACAAAAAGGTGGGTCT AGGTGAAGCTTTTACTTAGAAGCGGCCAAGTTGGAGCACTAT GTGCGAGCAGTTGGCAGGCATACTGCTATCAAGAGGTCTGAA CTTTGCAGGTGGCTCAGTGGTAAAGAATCATCCTGCCAGTGT AAGAGATGCAGGTCAATCCCTTGATTGAGAAGATCCCTTGG AGAAGGAAGTGGCAACCTACGCCGTATTCTTGCCTGGGAAA TCCCATGGCCAGGAACCTGGTGGTCTACAGCCCATGGAGTCA CAAAGAGTCCTTATTTAGGACTAAGTACTAAATAACAACAA TACCTAGCGAGTAAAGTGCTAAGAGATCCCTGAAGCTTCTTG AAATTGCTAGAGTAAAATTTCTTGTATGGTTAGGGATGGGA ATGGACAAGTTTGTAAAGGCATAATAAAATTTAATTTCAAAG AATTTATTATCTGTTTATTTTGGCTGTCTCAGGCCTTCTTG CTGTGAGCGGGGGCCGCTGTGTGATGACAGCGCTTGGCCCT CACCGCGGTGGCGTCTCACAGGGAGAGGGCTCTGGGGTGTG AGCGTCCGCGTGTGGCTCTCAGGGTGTGGAACGCAGGCTC AGTAGCTGTGGCCACGACTCAGTTGCTCCAGGGCAAGTGG GATCTCCCTGGATTAGGGATCGAAGTCATGCCCCCTGTGGTG GCAGGCGGATTCTTAACCACTGGACCACCAGGGAAGCCCTG GTCCCGTCATTTAGAACACATATTTGATGTCTGGCCACCG TACTAGTATGGAAGTATAAGTTGAAAAAATGTAGGGCACTTT TTTGCCAGTGTACATAATAAAAAATATCTAGTAATGTTATTT CACTGGACACAGTGGAGATGTTTGAAGTTATTAAGTCCATGT TCTGTCTATGTCAGTATATTTACGCTTGTGAATGGCGTGTG CACTGAAGTACCCTCTCCTCTCACAAGAAGCATCTTCCAGAA ATCACCTCACCCAGATTAGCTGGCCGATGACCACAGTGACA TGTGCTTCTCAGATAACACATGACATTCTATTTGGCTCAGAA CTTAGTGGCTGGCTCTGCTAAAAATAAGTCTTTAATGGTTGA TTAGGACATTCATCACGGGGTGTAAATTCGGGAGTTTCT TCGTGTCATGAAACATATTTATGGACGGCCACAGAGTGGATG CACCTCGTTTCTTGATGAAATGTGATAAGGATTTCCAGAGAC TCTTTCCCGGAAGTTCATTGCAGAGTACGGAGCAGTTCCC CGCGCTCTTTCGGGCCTTGTGGCCATCTGCTCAGCATGCGG TGGTGCCTGTTCCAGTTCCAGCTTACCCTCCCCGCTCTC CCTCTGGGAACCACAGTTGTTTCTGTATCTGTAACCTCATT TCTGTCTTGAAATATGTTCCCTTGATACCGTTTTTTTTTTA GATTCACATATAAGCAATATCATATTTGTCCTTCTCGGCCT |

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| MSTRG.199116.1 | 0.03 | 0.17 | 0.04375 | 2.293 | up | <p>GATAAATACATGGGTTGTTAAGAATGCGCTGTTTCTTGAAGT ATCTTTTACTGATTATATCCTAGCTTTGTATGTGTTCTGCTG GCTGTATGCTCTAAGCCCTTTGTTCCCTGTTCCATAAAAAAG GCTTGACTGCAGAAATAAACTTGTTCAGTCCCTGCAGAGACTG TCCAAGTGTTCTTTCAGGTTACCCGTTTCCAAGTCCCGGAGA CATATCTCCAAAAAGTGGCGGCCAACAGGGACTTGAAGGAC GACTGAACAAAGCGGCGAGCCCTGCAGAAAAGAGATGGAGAAG AAATCTGGGTTCCACTTCGCCATGTCCGTTACCGAGAAGGAC CCCAAGACCAGATCCCCCGACAGGTGATGCAGCTGACGCGA AGGGTCTCATCAATGACCATAGAGAAGCCGAAGAGAAAACGT CAATGTCTGAACCCCTACCATAGGACCTGAGGAATGGCATGT GTGGAAGATTCTGCTGCACTGGAGCACTTTGCCAATGTGTA TGAGACTGCGAAAGCCTTAAAAACCTCAAACTATACCTTTT TATACGATAGTACAGGTTATACCCAATCTGTGTGCAGCTCC CGTACATGTTTATTGTAGGTAACCTCGATATAAATCTCTTGG CTAAGATTGTTAACTGTACAGCATGTGCCTGTATACGTGTT TAAACCATACTATTTTCATATCATTATGTCAACATTGCAATAG TCAGGCAAAGATCTGATTTGTGGCTTCCTGTTAACCTAACAG AACCATGGACTGACTGTATTTCTCTCAGTTTTGCTCAAATAT GGCTTAAGGAGGTCAAGGCGCATAATAGGATGGATTATTGCT GGCATTCTTAGTCTAATATCTATTGTTACAGTTGGAACCCTA TCTGGTATGGCACTACACAATTCTATACAGATGTCTCTACTC AAGACTCCGTGCCTCCTACGACAGAGTCCAACCTAACAGCTGC CATGCTTAAACTAAAAACAAAAGGAGGATATGTTGGGAGGCA CAGTGCAAAATAGCCTTGAAGGAGGAGTCCGTGGGAAAATG</p> |
| MSTRG.225378.1 | 0.05 | 0.25 | 0.01685 | 2.283 | up | <p>GAGCCACCAGGAGGAGGGGAGGGAGGGAGGCAATGGGCCCC CCAGATGTGAGGGGAAGGAAGGAGGGGGAGCCACCTCCCT CGCCGCTGAACTGAGTAATTGGACGGAGACCCACTTGGCGG CAGGAAATGGAACAGATCCAGGTGACCCATGAATAATCCCGA GTCGACTGTAACCTTTCATTCTCGGGTTTCTGATGGGAATA TAACAAAGTTCTGGACTCTGGAGGACAAGAAAACAAGAAAA GCCCTTTTATTAATAAAAAAAAAAAAAAAAAAAGACTTCTTTA TTCACAACCTCACTGCCCATGGAGTAAATTTGATCACTTGTG TAAAAATTTTCAATTTCTGGCAGGGAAGTTCAAACCTGGCTG AGGGTTATAGCCCTTCTTTGTGTCCAGGGATTTCCATGTGC GATTTCTCATGATGTTAATTATCTTTCTATCAAAATTTGAGT GTGTCACAAAACATTCTCGAAAGCACAGGATTCTTTTCTATC CAGTGGCTGTAAGAGGAGTCACTCTGACACATGCCTTCTTTT AGATGATAACTGGCACTCTGTGGACAAAATAACCACGATGAG GGAAAAGCCACTCCCTCCCAGGCTTGTGCGCTGGGGGAGAG ATTCTGAGTGATGGAGAGGTAACAACACCACAGCACCCAATG CAGGGGAGGCCAACGGTCCCTTGGCCGCCGCCACCCTGGCT TGCAGGGCTGTGGGGCCACCATCGCCATGGACACTCCAGCGC TCTCAGCGTGGTTCAAAGGCCGTGTGGTGTGAATGGACACC CATCTCAGGGCCCAGAACTGAGGAAGCCACAGAAACCTGTAG GAAGAGTAATAGCAGCACTCCTTTGGGCACGGGGCCTTGGGG TTGATCGTCTCTCGTCTTATAAGAGGGTCTACACGAAGCTG GTTCTCAATGAAAATTTGTTACAGGAAGAGTACCTGTTTCCT GCCTTAGGACAGCTCTGTGGCATAGAATTTCTGTTGGGTA GAAATATTCTTTATCTGTATTGTCCTGGTGGCGACCACCTGT</p> |

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|----------------|------|------|---------|-------|----|--|
| MSTRG.205178.3 | 0.04 | 0.23 | 0.02504 | 2.245 | up | <p>TGCCCTTTCGACCTCCAATTCCTAACGTGGGACTTCTCCTGAGCGCTGTAGCGGAAAGGGCTTCATCTTGCATGGCGGGGAGCCACGTGGTTTTTCTCGAGTTACGGCGGATTCTCGAGTTACGACTGGGAATTCAGGCTGCCTCTTGTGTGGCCCAGGCAAGTCCAATCTTCCATTCGAGTTGTGAAGGAAAGCTGGGGATTGCTCTCGAGTGACTGCAGGGCCAATAGACCTCATCTAGGCTTGTGCCAGAAGCCAATGTTCTCTCCAGGGGCGACAGGGATCTCGGGTTGCATTCAGACGCACCCGGGAGACAGGCATTCATCTCGAGTGGAAGCAAAGAAGCCCGCTCTGCTCTCGAGTCGCGACGGGTATCTCTGGGAGCTCACTGGGTGGACTCAAGGGAGTCAAGCCTCTGAGGCGTTTGAGAGAGGTCGCGAGATTGGTCGCTAGGCCATGCAGGAGGCGAAGGCCCTCTCTGGATGACGGGGAATCTCGGGTTGTTCTCGAGCGGCGCCCCAGTGTGGTTCACGAGGTACGACGGCGAGGTCACTGAGCCTCTGTGGGCGCCAGGGAAGTCGGGTCTCCATGCGAGTGGCGAGGGGAGCGCGTCATTGCTCCCAGCCATGGTAGGGGCATCTGGCTCGAGACGTGTTGAAGGAGGTCTCTCGAGGGCTTCCCGGTTGAGGCAGGAAACCCTGGGTTCCCTCGACTTGTGCAGGTGACCTCAGGGGCTTCTCATGGTGGCTCGGAGAAGCCAGGGAAACTGGAGGTGGGAGGGCCCTCTCGGGACTCCACTGGGCTTGG</p> |
| MSTRG.163094.1 | 0.05 | 0.24 | 0.03481 | 2.221 | up | <p>GCTGCTGATAAGGCTCCCTGGAGCCTCAGCGTGGGCTGAAGCATTTTCTGTGCTTTCAGACCAGCAATGTAAGTAACAGATAATGGCAGCATCCTGACCTGCGAGAGGCAAGGGAGCCTCACCTCACATCCTTCTGGGGGAGATCTGGGTAATCTGAGCAGGCAGTCAACTGAGACCAGCCAAAGCGAGTGGTAGCCAAAGGCGCTAGTTCCTCTGGGGTCCCTGTGGTCAGCAGCTGTTGCTTGATCGTCTACTTTGGGGCTTGCCTTTGGGGCACCACCTTTCATATAGGACTCCATTTCATCCCATTGTGCACACCCAGCTGAGAAGGTGGCTCAGTGGTAAAAGAATCTGCCTGCCAATGCAGAAGATGCAGGAGACTTGGGTTTGTATCCCTGGGCTGGAAAGATCCCCTGGAGGAGAAAATGGCAACCCACTCCTGTACTCCTGTTGGTGAATCCCATGGATAGAGGCGCTACAGTCCATGGGGTCTCAAAGACTCAGACATGACTGAGCAACTGAACACACACACATTTCTTACTAAAATAAACATTAAGGTCCTGCTTTTATGGACTCGACTCTTGAGAGATTTCCAAAATGGAACTCACTGAAAATCTGGTCCCTACTTTGTCTAATCGCGGGCTCTCCAGCTGATGACTCTCCACTGCAAAAATGCACGTAGGCACGGAAGCTATTTCCAAAGAACTAAGCTGAAAGTTCAGTTGAACTGACTCTGTACCACCATGTGTTTAAGCATGACTCAACCAACGGATAAAGTTAATGGAGTCAAAAAACGTATAAGACTCTTGCCAAGGGTGCCAGTAAAAGGAGTCCCTTCTGGAAGGACACTCAGAGAAAAGCTTGGGACCTGTCCCAGGGCTGCTGAGTGCTGTGTGTGACCCCGACAGCTCAGTTGAGTGCCTCTCTCCACCAGTGGCAGCAACACAGCGGCTGCCCTAATCACGGTGGCTGCAGCAGAAAAGCCCTAGAGTGGCAGCGTTCTGGAGCAGCAAGGTGAGGTTTGGGCAGAGAC</p> |

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|----------------|------|------|---------|-------|----|--|
| MSTRG.31739.1 | 0.04 | 0.2 | 0.03132 | 2.184 | up | <p>GCCAGCTGTGGTTCCAGCTGCCCCAGCTGAGCCAGGCTCCCA GGCAGCCGCTGAGCTGACCACAGCCACTGCCATTCTCAGCT TCTCCTGTCAATTCTGGGAGTTTCTGCAGTCATGCCAGCCCC ATCTTCTCCTGTATGAGATGCCAAAGTTCATTTAGGCTGTTG CCACCAAGCAAAAAATGTACAGTGTCTGCCAGCACCCCTGGA AGACATTGGGTGCACCTGCCCGAATCCTCTCAGTCAGTGGC CTGAGGTGGTGAAGTCCCTGTGAGAGAGGGCGACACGTGCC AGCTGGAGGGCTCCTTGACAGGAATGATGCCTAGATTTTGTG CGGATTCAACAAACAGCTTAGATAAAAGCCACTGCAGAAATT AACACAGCACTGTGTGGATGTGTTGCTTCTTAAGGAAGAAA AAGTGAGAGAAGTAGGAAGTGAAGTCCAGATCTGTTTTAGCC CCCAGGTCATTTAGTTGTCATAAAAGCTGGAGTTTTTCATGG GTGTATTTTTTGTGTACTGTGAATGTGTTTATCCTTCCAA GGCCAACGTTCATAACAGAACCACCTTCTATTCTCGGCTGA TTCCTATGGGGAGGGATGGCAAGGGGCAGAGCAGCGACATG ACCTCCATGAGGTCACAGGTCGAGGCTGTGAGGAAGTGAGA CACAGAGATGCAGCGCCTGACAACCTCCAGGGGGCGTCATC AGCGGGAGCATCACCCATGGGAGACTAGCAGTGGGCGGTGCG CATCCCAGAGCAGGACCTGCCCTTCCCTCCGAAGCTTGGCTC CAGCCTGGGTCGGGGCAGGATGCCAGGCTCGACTGTCTGCCA GCTCCCTCTCCCTCGCTAGGGGACCCTTCCCTGCCTACAA TCCCACTGCCACCTGCAGATAAGGGACTTGCCAGGCCACA</p> |
| MSTRG.50900.10 | 0.09 | 0.42 | 0.02955 | 2.167 | up | <p>CCCTCCCAGGCGCCGAGGCCCGGCCCGGGCGCTCCCCTC CCTTGCCAGCTCCCCCGCCCCGGCCCTGCCCCAGCCCCG GGAGCCACCGCTTCCCCGGCGGGCGGGCAGGGGGACGTGGGG ACCGCCCGGCGGGCCGTGCGGCGTAGCGGGATGCGGGTGGG CGGCGAGTGTGCCAGGGGCGCGGAGTGCCCGCCTGCCTGG AGACCGAGGCGGGCGTGGAGGGCGGGCAGGCTCCGGGAT TTAGGTATTTCGCTCCACATCAGAGCCTGCTCCCTCTGAAGT CTTCTGTATTCTTCTAACAACCTAGAAATTCTTCAACCCGG AGCTGTGTACTCAACAGGCAGACGGCTCAGCCTGTGTATGTT GTCTAAGTGTCTGGAATGTACACCTGGTTCCTCTCCACTGGC ACCCACAATTTAAGAAAGTAAATAGACGCTTTCAAGGAGGAA CATGGGCACACCAGGATCAGGAGCTACTGTAGACATTTCCGT CTATTTTGGGGTTCTGTTTATATGAGAACTGTTATTGCTC AGATGTCTTCCCTGGAAAAGACCCTTCATTAAGAAAGACTC CAGCACCAGATGTCTGCTATTTAATTTCAACTAATCAGTCCT AACTCGACTCTGCCACTGACTCTCTCATGGGTGAAAATTAG TATCTAATTTTTGGTAGCTCACTGAGCAGTTTTTGGCAAAGT AACCATTCAAGCCATGCTTCCATTTGTCTGCTATTGTCTGG TGGGATGTTTCTCCAGTCTCACTGATGTGTTTCAATATGTCA GTGTTACAGTTCAATGGTGGTGAATTGGCGAAGACAGGGAACA AGAACCAGGAAGAAGAAGAGGGCGTGACAGTGATGGCCCCGC TCATAGGAGCAGTAGAATAATGCTGCAGTTTACTAGCTGGGG TTAGTAATGTCTCATTTTTCCCTCTCACTCTGAATCTTTGCC CTGGATAAGGGGGAGTTGAATTTAGCTTTAAGAAGGGATTAG TAAGAAGAGAATGTGAATGTTGTTTTGACAGGTGGGGTGGGG</p> |

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|----------------|------|------|---------|-------|----|---|
| MSTRG.43630.39 | 0.13 | 0.59 | 0.0418 | 2.138 | up | <p>ATCAGTGAGCTCCGGGCAGTACTTTGGTCCCAGGTTTGGAGC CCAATGCCCGGAACGCGGGAGAGAAGAGGCTGGCTGCCAGCG GGTGCTTGCAAGGCTGTACTGGGAAGGACCGAGTGAGCTTCC ACACCGGGGAGCTCCAGCTCTGCGCCCAGGCGGATAGCAC AGAGCCCCGGCCGAGAGGCTGCTCTGTGGCGGGGAGCCTCC CCAAGGCCTGCCAGCTTCTAGCGTTCGCGCCCAGGAAAGGAG CAGGCTGCGGGAGTGTGGGAGCCGTGAGTGGTGCCTGACTGC TGCCTCAGCTCAGCTCTCGCCTTCCCTTCGGACCTAGGAGCC AGGCGTCTTGCAGAGGGCTTAGGGGCTGGGGGTGTGCACAC TGCCAAAGCCTCCCGCTGGGAGAGCTCTTCCGAGGGAAAGG AAGCGCCCCAGGCTGCATTCCAAGCTGGGGCTTCCCCGCC AGACTAAGCGCCGACGAGGGAATCAGGGTCCCGGTGCCCC TGGCTTGGGGAGGCAGCTCCACAGCCAGAGTGTGCTCCGTT TGTGCCAGAAAGCGCCTGCCAGCCCGGGCCTTCCCTGGAGC TGTCTCCCGCTAGAGGACAGGTGGATGTGCTGTGCGGGCTT CCCCTGGGCGTTTGGGCTCCCTAGCACAGCCGAGCGCAGGG GAACCAGCCCATCATCAGTGAGCTCCGGGCAGTACTTTGGT CCCAGGTTTGGAGCCAATGCCCGAACGCGGGAGAGAAGAG GCTGGCTGCCGGCGGGTGTGTTGCAAGCCTGTACTGGGAAGGA CCGAGTGAGCTTCCACACGGCGGAGCTCCAGCTCTGCGCCC AGGCGCGATAGCACAGAGCCCCGGCCGAGAGGCTGCTCTGTG CTGGGCGAGCCTCCCAAGCCCTGCCAGCTTCTAGCGTTCA</p> |
| MSTRG.25405.1 | 0.08 | 0.35 | 0.042 | 2.097 | up | <p>GAAATCTTTTGTAGCTTTGGCTAAGTGGAAGTATTGCTT CACGGTGACTTGTGTGATCCTACCTGACTGTTCTAAACCCTT TTGATATCTATGCACTGCTGCTGCTGCTGCTGCTGCTGCTGC TGCTGCGAAGTCGTTTCAGTCGTGTCCGAGTCTGTGTGACCC CATGGACGGCAGCCACCAGGCCCGCAGTCCCTGGGGTTCT CTAGGCAAGAACACTGGAGTGGGTTGCCATGTCTCCTCCAA TGCATGAAAGTAAAATGTGAAAGTGAAGTCGCTCAGTCGTGC CCGACTCTGAGCGACCCCATGGACTGCAGCCTACCAGGCTCT TCCGTCCATGAGATTTCCAGGCAAGAGTACTGGAGTGGGGT GCCATTTCTTCTCCCATATCTATTACAAGCCTGCCTAAAT CATTGACTTCTAGCCACCTTTGGGATGCCAATGACCACCCAG CCTTACCAGGCCACAGAGGAGAGAAAACATTTACCACAGGAG GTCCGGTAAGGAACAAGGAATAACAAGTCCCAGCAACCA GGATTCTGCAGAGGTCAACAAGAGGTCAGCAAGAGATGGGAG</p> |
| MSTRG.91649.1 | 0.05 | 0.23 | 0.04533 | 2.095 | up | <p>TTTTGACTTAATCAGCTCTTTCAAGCCTTATTTCCAATTAAG TTGGAACACAATATAGTTGTGTTTTGAGGTATGGGAAGTAA GCCTTCAACATATAAAATTTGGGTAGGAGGACAAAAGTCAGCA CGTAACACATGGTAACACTATATATGTGAAGTGCTTGTATAT CTCCCTACAGATCCAATGGGAAAAAAAAATAAAAAATAATC TTTTCCAGATTACAAAGTAGGAAAAACCACTAGACCATTTAG GTATGACCTAAATCAAATCCCTTACAATGAAACAATGGAGGT GACAAGTAGATTCAAGCAATTAGATCCAATAGCAGAATGCCT GAAGAACTATGGACAGAGGTTTATGTACAGGAGGCAGTGATC AAGACCATCCCCAAGAAAAAAAAAAGGCAAAATGGTTGTCTGT TCAGTTCAGTTCAGTCACTCAGTCATGTCCAATCTTTGCAA CCCATGGACTGTAGCATTCCAGGACTCCCTGTCCATACCA ACTCCTGGAGTTTACTCAAATCATGTGCATTGAGACAGTGA TGCCATCCAACCATCTCATCCACTGTTGTCCCCTTCTCCTCC CTTTTCAATCTCCCAGCATCAGGGACTTTTCCAGTGAGT CAGATCTTTCATCAGGTGGCCAAAGTATTGGAGTTTCAGCT</p> |

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| MSTRG.167273.1 | 0.06 | 0.28 | 0.04869 | 2.094 | up | TTATTTATTTCTACTTATTTGGTTGCAGTGGGCCTTAGTTGT GGCCTATGAGATCTTCAGTTGCGCGTATCAGATCCAGCTCCC TGACCAGGGATTGAACCCAGGTCTCCTTACTGGAGCACAGA GTTCTAGCCACTGGACCACCCAGGAAGTCCCCATGAAAAGT ATTTAAGCTAAAATTATTAATTTAGAAAATTCAAATCAAA GACTTTTATTTCCAAGCAGAGACTTCTCTTAATCCACCATT CACTTTTCTAGCAATTTATTATTTTCAGATAATGCAGAAAA GGAAAAAAAAAAGACCACTTACTTTATCTACTCATGAATGA ATCCCTAATTTTCATCATAGCCATTCAAAAAGTTAAAAAAT TAAAAGTGAACAACTAAGGATATACTATACATCGCAGGG |
| MSTRG.46945.1 | 0.05 | 0.22 | 0.04988 | 2.083 | up | GGCGGTGTGGGAAGGACAGAGCAAGGCGGAGATGGAGGGCA GCAGGGGCCAGAGCGTGCAGAGCCTCGCAGGCCTCAGGGAGG ACTCGGGGCTTGATCGCAATGGTAACAGGAAGATTTGCTAAG TCGCTTTAGTCGTGTCCGACCCTGTGCGACCCCATAGACGGC AGCCAACCAGGCTCCCCCGTCCCTGGGATTCTCCAGGCAAGA ACACTGGAGTGGGTGCCATTTCTTCCAGTGCATGAAAG TGAAAAGTGAAAGGGAAGTCACTCAGTCGTGCCGACTCTTA GCGACCCCATGGACTGCAGCCCACCAGGCTGCTCCATCCATG GGATTTTCCAGGCAAGGGTACTGGAGTGGGGTGCCATTGCCT TGCTTTGAGCTGGATTCAAATGGACTAAGACATAAGATTAC AACCTCCAGAGAGTATTACTTTGCTACACAGAAGAAACCAGC ACAACATTGTAAAGCAAACCGTACTCCAATAACGATTAATAA TAATAATAACCCCTCCAATAGCTAGCAGTTAAACCACTGGG TATTCATTCCTTCCCCCAGTAGTTGAGCGCCTACTCTGTTCC AGACTCTTCCAGGCACTGGAGAGAAACAAAGGGGGTTGGA TACAACAACTCAGACTCTGCCTTCCCTGGGGCCAGAGGGGTC ACAGACCCTACAGCAAATAATCATAACGGTCAAACACAGTGAT CAGAGCCACCAGGGAGGGCTTCTCCGAGGTGATGCAAAGGCA GCTGGTTAGGTGCTTCATTTGGCCGGTGTACATGGAGCAGCA AGTGTGTGAGAGACTGTGCTGGGTGCAAGGGGTGTGCGACGA GCCAGGCAGACCCAGTTCGTGCCCTCGAGGCGTGGACAGCCA GTGGAGGAGACACACCAGAAATCCCGTGGACAGAGGAGCCTG GCGGGCTGCAGCCCAGGGAGCCGCACAGAGTTGGACATGACT GAGTGACTCACACTTTCACATTCATCTCTGGAGGGGCGTCAC TCTGCTTGCCACAAACCTGGAATCCAGGCCAACCAGCCTC |

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|----------------|------|------|---------|-------|----|---|
| MSTRG.169420.1 | 0.05 | 0.22 | 0.03115 | 2.077 | up | <p>CAGCGCTGAGAGCGGCCGGTTGGAGCCCTGCTTACCTTAACT TCTGACGAGCTCGGGCTCGGGCGCAGGCTCGGGCTCCGGCCC CCGGCCCGGCTCGGGCGCCCGGCCGGTCCCTCGGCGCGGG ATGGGCACCGACCCTCAGCATCGGCCGAGACGGCGGGCGGGA GGGAGACCCTGAGGCCCGACGTCGCGGTGCAGAGCTTGGCC GCCTCGCTGCTCCGGCACGGCTAGCCCAGGGCGGACTGGGGC GGCTCGGACCCCCCTCCCACCCACCCACCCACCCTCCCCT CCCCACACCCCCCGCCCTGCCCTTCCCGAGGGCAGCAGCC GCGGCCCGGAGATAAGCGCTAGCGCGGCGCGGGGCTCTGCCT GGGCTAGTGGCACCGACTTGGGAAAAGAAAACGACGAGACAC AGAAAACCCGTGCTTTTCCCACAGGAAGATCAGTGGATCAGT CCGGCTAAAGAAACCGAGAAGCCAGCTGCCAACGATGGTCT ACACATTTGAAATACAGCAACTTCCCTCTTGCCAAGGAAAGG CAAGACGATAGGAGAAACTACAAGGCGTCGAGGCACGTTTTT TGCGCGCAGACCTGAGGCTGACCACAACGGCTGAACTCCCAG GCTCCGAGGCGCCGTGAACAGTCCACAAGGAGAGCGGCCCA CGCGGCTACCGCCGCGCCCGTGGCCTCTACTAGTAGGCTTTG GCCCTGCTGTTCCGTGGAGCGGTTCCGGTTCGTCTGAGGCATG CCGAAGAAACACACACGCCCTTCTGAGCCCCCCTCGCCC CCGCCCCGACGAACACACATCTTTGGTTTCTGCAACCGCCC CTCCTGCACGAAGCCGGTCTGGGGTAGAGCTTTGTCGCCGAA GCCCTCGCTGGCAGGGCGCGCAGCTGAGGGGAACTCCTCAGA AGTTATATATTGACCAGCACCTTTTCAATACTGACCAGCTA GCTGCAAGGGGTGGCAGCTGCCAGGGAAAGTAAACTTCTTCA CCGGTGCAGGGGCCGCGCGGTGAAGAGTTGGGACGCAGCGC</p> |
| MSTRG.140737.2 | 0.04 | 0.2 | 0.03455 | 2.057 | up | <p>TAGTTTTCTTCCAGTTAAACTGATTTCCCTCATCTATTTATT TCTGGACTGAAGCCAGAATCAACATTGTCCGTTTTTCTAATC AAATAGTGGAGAAGCAATTACAAAGTCTGAGTGCAGATAGAG GAGCCTGGAAGGCAGAGCAACTGGACCTCGCCTAAGCTGTGT CTCTGACTCATTCTGACTTTAGTTCTTCCAATGGGAAAAAT GGCGAAGATGTTTAGTTTCATCCTTGTCAACTGCTCTGGT AATGGGCAGGGGAAGCTCGGTAAGCTTATTACAAAACTATT ATATTTTTAATTCCTGCTTTGATCTTAATTTTCTCTTGCAAA AAAACTGTAGTAAGTGTCACTGAAAAAACTAAGGAGGAAAA CTAAAAAGATTTGTGGAAGTACCTGCCACATAATAGGCATT ATTAAGTGCTTTAAAAATTTTTTAGAGTAAAAAATCAGTATT TACTGTCTTTTGGATTTACTGAGGTTATTTGGGTGGTTAC ATGGTATTAAGAATTTAAAAGCTCTTTCAGATTTACCTTGAG CTTGTAATATTGGACACTGTCCATGTAAACTAAACAGATTA TTTGAAGTAATTGCAATGCACTTGTGCCTCCCTCCATGAAT AAAAGTGTGAAAACACTCATTACTCAAAGTTGTAGGAGAAA GAAAATCCCTAATTTTTTAAAGATCTTTTTTTCTTTGATG TGGACATTTTTAAAGTCTTTATTGAATTTGTTACAATATCA CTTCTGTTTTATGTTTTGGCTTTTTTGACCACCAGGCACGTA GGATCTTAGCTTCCCGACCAGGGATCAAACCTGCAACCCCTG GTTTAGAAGGTGAGATCCAGCCACTGTACTCCAGGGAAGCT CCCCACTAAGTTTTAAATAAGTTTACTAACACGGTATATAT AGTCACATAAAAAATTGAACATTCTTGCCCTGTAATCCTGTAG TACTTTAAATTGTATAGTTCAGTATTAAACAGTATCACA ACCAATCTTCCACTGTAGAAAGCAAGGCAGAATTCCAGATG</p> |

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|----------------|------|------|---------|-------|----|---|
| MSTRG.81595.3 | 0.08 | 0.31 | 0.04347 | 2.051 | up | <p>CCCTGTCGGTTGAGTAGAGCAGTCAAAATTTGGCAATCGTTT TGGAAGGAGCTTGGCCGGCCATGGTCCATGGGGTCGCAAAA GAGTCGGACACGACTGAGCGACTTAAACATCAACAAACA TCGGTAGGATAAGAGGAAGCACTTCCAGAATAACACGGGGAG TGGGGTGGTAGCTGGCTAGACAGGTGAGCCAGGAAGGCC CCAGCACTTTTGTCTCCCCGGGAAGTAGGAGCTAAAACA TCCGCCCGGTGGACGTCGGGGACCCAGGGGGCAGGACCCTC CCAACTCCTGATGCCCTGGCCAGCGGGGGACTCTTTCTGC ACCATGTAGCATACTGGACTACAGCCCTGCCCGACCCAGGGG CGGGCCAGGGCAGCCACTCCCAGCCAGCCCTGGCGTAGCCC CGGGGAGCACTGATGGAGACGTGGACTCCTGGGCCCTGGCT GAGGGGCCAGGGGAGAGAGGGCTGACGGACTTGGCGTCTGAA GGCGGCGGGGACCAAGGGGGCAGGGCCTGAGCTGCCTCCCTC TGCTGCCACCACCATCTCAGGAAAGGCTGCTGGTGGCTGGCT GCCATTCCAGCTGCAGCGGTGACACTGGGGAGCGGGGTCT CTCCCCCGGGCCTCCTTCACTTTGGGCCTGGCCTCAGGCC CTGGTGCTTCCCCCTCCTCCTGGGGAGGGGGCCCATGAAG AGCAAATGAGCCAAACGTGACCACTAGCCTCCTGGAGCCAGA GAGTGGGGTGCCTCCTGACGGGTGCCCGGCCAGCGCCAG CCATCTTCCCTGAGCCAGCCGGTAGGTGGTGGGCATGCCTGC CTCACCTTCATCTGGGGGTGGGTGGCCAGGAGGGGCCAGAC TGTGAATCCTGTGCTCTGCCCGTGACCACCCCGCTCCCC CCATCAATCCCATTGCATAGGTTTAGAGAGACACGCGTGAC CACTGGCATTCAATTTGGGGGTGGGATATTTGGCGGAAGCC ACCCAGCCTTAGTCCCAGGGCGAAGCGCTGGGGGAAGACG</p> |
| MSTRG.221949.8 | 0.04 | 0.16 | 0.03974 | 1.964 | up | <p>CGGAACTTGGGAGCAGATCATAGCTGCTAGGTAAGTACGCGT TGTTGGCGGTCGTGCGCGGAACCTGAGTGGCGCAGCTGGG TTGGGAATGCGATACGGTAAAAAGAGTTCAGAAGTTGAGGG TTAGAGTGCGGCTTGAGTATTTACACATGAAAAACGCGCCA CCGGACCGCCACGTGTCCCCTGTGCGGTGGCGACCGGCTTC GAGTTCAGGCGTGGTAGGCTGCTGCTGGTCATGGCGCTGCG CGCGGCCGATTGCTAAGCCGGCTGGATAATCCTGAACGGCG CACGGGAAACGACCACATTCCTGAGATTTGGGGCGGGAGTTA CGCTTAACGTTGACTTACAGGCCTTAGATACGTAGTCATATC AACAGTTAATTTAAAAATCGGCAGCTCCTGACTGCGTGAAC TGAGTTGTATTGTGCCAGGTGGCGCTGTGTGCAAAATCGAAT TGTTGGAGGGGAAGGTTTTAGTGCTGAAAACCTTAAGCTATG ACCTTCTATGACAATACTTAATTTTTAAATATATTTATTCTT CCGCAGGTTAAGAAATGATTCTCCCGCAGAAACAATGGATT TCGGTGTAGCGGAACGTACGTGGAGATGCTAAGGTAATTG TTGAGAGCTTAGTTTTAAGTTGAAGGAATAAACCTGTTGATT TACAGGTTGATCAACCTGTAAAGATGATGCATCATTTGAAAA TTTTTTTTTTTTTAAGATGCAAAGGTACATTTCAAACACG CCGACAATATTGGCTGGAAAATGACTTGGTAAAACCTGAT GATCTTACCAGCATTCTGCAGGTTGATGAATACTAATGAAGC TGTGGATGTCACTGAGCAGCTTCATTTAAAGTAAGTTACCC TGACTTACATCTGCTGCAGTAATTCTGTCTGGTTTGTGGTAA ATGTCCGTGTAATGTAGCATAATGGATTTTGGTCTGATCAAT GATGAACCCTATCCCGAAGCTGATAACCTGAAGAAAAGCATG TACGGATTGCGCTTCTGAGACAAGACTAATGTTTACAGATATGA</p> |

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|---------------|------|------|---------|-------|----|---|
| MSTRG.46782.1 | 0.05 | 0.23 | 0.04481 | 1.959 | up | <p>CTTTCACAATTAATGTATGGGCATTTAAACGAGCTGCAGCCA GCCACGAAACTCCATCAAGAATCCATGCAGGACAACCGGCTT GACCGCGTGGCCATGCTTACCTCCTCAGGCCAGGGGTAGA TGGCACAACACTGATCACGTTGACTTGTGAGCCACAGTCAGAAG ATACGTGGTTTGGACAGAATGAAGAAGTGCCTCAGGCCTCGC AAAGCCCAGAGAGCTGGAGCCTTCCCTCCATCTATTACCAAGA CTGTTGTTTTTTTGTTTTTTTTCCCCAAACTTTTATGTCGT CTTCAAGAGAGTGGGCTCTCTCTCTCTCTCTCTCTGGGAA ATGATTGAGTCACAAACAGTGTGAGATGCTGCCAGGGAGCTC TTTCCCCCACCCACCCACCCATCTTCCCTCAGTGCTCAG GGATGAGATCATTTCATTTCGGAGCCAATTATAGAAGGAGAAC GCTGGGGATGTACAAAGAAACCTCCTCCCACTAACACAGGCT GTACCCTGCCGGCATGAGCAGGAACAGGAGGCTGGATGTCCG GTTCCAAGTTC AACCTCAGGGTGC GCGAAGGCCAAGCATTCC TAAGCCGCAGCTTGATCTGTCAAGCTAGGATGCTGGGCTTC TGGCTAAATGAGATCTTTTGGTCAGAAGTTCAGAGCTGGCAA TACTAAACTGGGAGGAAGAAGATCCAGAGATGCTGGTGTCCA TGTCTGCCACCACGAGGTGCCTGCCTAAGGAAAGAGCCGAAC GGAGGAGCAGAGGACCAAGGGTAGCGATCAGACAGCTCTAA CCCCACAAGCCCTGGATCTAGCCTCACCTGAAGGGAGATCTG TCCTCAATATTTTAAATTACATGTGTGATAAAATTTCCATTTT</p> |
| MSTRG.68246.1 | 0.06 | 0.25 | 0.04715 | 1.934 | up | <p>TGCCATGCATTGGTGCATATGTGTACGTAGTCTTCCTACATG AAGGGACGTGCTTGTGCGATGACCATCTATCCATATGTAGAA GCTTTGTTTTCTCCATTAGTAATTAACATTTGATTGCATCA GTTGGGATTATGCAACTCTCTGACAGCTGACACTAGTTCCATA CCTGTTTCCATTCTTTCTCCCCTCTGATTACAGCATCTTGGCT CCCGAGAGGTGGTGTATTATAATACTTTAGAACCCACTTGG CTGTGTTTCTGACTACTGGGCGTCTGTCATGGTTCTCCAT CAGCGGGACCAGTAATTGCTTGTTTTTTCATTCATGTTTTGCC TCCTTATGATGAATAGCCTTAACTTTAAGCATTCCAAAACCA TTGATTTGTTGGCAAAGTGTTTTTGTTTTTAATTTCTTTGGG GACTTGGCGATAGTCTGGCTTTTCTTGGGCTTCTGCAATAT TCAGTGAATAACAGTGACAAGGGCAGCGAGAGAGAACAGCC GCAGGGCGGACCACACGCCAGGCGTGGGCAGCCCCAAAGG GCACTAAACGCCATCATTCTCCAACGGCTCTCTGAGGGCT GGGACTCTTATCACCCCATGTTACACATGGAGAAAGTGAG GTGGCTTTGAAGTAGCTTGTGCATGGAAACGAGTCCACATCG GGGCGAGGCTCACTGACGGGGCTGGAGAGACTCGGGACAAGG CGACGCGCCAGGGAAGCCAGCGCTGGATGGCGCAGACCCGG AGGGAGAGAGTGGGCAGAGGTGCTTGGCTGCTGCCTCTGCAG AGGAAGTGACACAGATGAGTCCTCCCATCCGAAAGCCCTGGA CAGGGAAGTCAAGGCAGGAAGGAAGCGGAGGAAAGGGAGGTG TGAAACTGGGCTGAGGGAGTTCACTTGTGCAGCCTCTCAC GAAGAGCCCCTGCTTTCATCAGCTTTGTCCCTTCAGGGTGT TCATCCAAGGGCAGGGGGTGAAGCAAGTGAAGGTATGTT TACCTTCAGCCAGTTTTCTTTTTTTTTTTTTTAATTTTCACA</p> |

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|----------------|------|------|---------|-------|------|--|
| MSTRG.91984.1 | 0.03 | 0.14 | 0.04408 | 1.906 | up | <p>CTCTCACATCCATACATGACTGTTGGAAAAACCATAGCTTTG ACTAGGCGGACCTTTGTTGGCAAAGTAATGCTTTGCTTTTT AATATGCTGTCTAGGTTGGTCATAACTTTTCTTCCAAGGAAC AAGCATCTTTTACTTTCATGCCTGCAGTCACCTTCTGCAATG ATTTTGGAGCCGCCCCCCCCCGCCCCAAATAAAGTCTATT TCCACTGTCTCCCCATCATTTGCCATGAATTGATGGGACCAG ATGCCATGATCTTAGTGTTTTGAATGTTGCACCATTTCTTGG TACCAAAAGTAAGCAAAAATAATACAAGATAACTGCAGACCA AACTTTCTCTTAAAGAAGGTTATAAATATTTTAAAGAAACAT TTGTTGTTTAAATAAACTAGTAAATAAAAAGGATAGTACATCA TAACCGGTGACTAAATGGAGTTTATCTTGGGAATGTGGGGTA GATTTAAAAATTATTTAATTTGCTAGAATTTAATAATAATAT TTGGGCAACTTCTTGTGTAATTGTAATTATTAATATAATAA TTTATTAGAAAAAGGGAGGAAATTATGATAATTATTTTAGAT GTAGAAAAAAGTTGGACAAAGTTAATATTATGTGTGATAA TGGCTCTAAACAAATTAATAATGAAGTCCCTGTGCTGAAAAG GACATCTGTAAACAAGTCACAATTAAGCCATCAATACAGATG AAAGTCTGACTGTTTCCCTTCTAAGTTTGAATAAAGACAAGA ATGTCCACTGACTTTGATTCAAGTGTGTACTACTTGGTAACA TAAATTATAACAATAGATAACAAGGAACAGGAGGCTTACATC TCAAAATACTATGCTGAGAAAAGCATCTAGACAAAGAAGTAT ATCTGTAGTGACAGAAAAGCAGATCGGGTTTTGCCTGAGGCTA GGGATAGAAGTACTAGGGACAGAAACAAAGGACCTTTTTAG AGTTATGGAAGTGTTTGTATTTTGTATGTAGTCACCATCAAG TTGATATATACATTTGTCAAATTCATAAACACGTATGCTTAC</p> |
| MSTRG.133381.7 | 1.06 | 0.3 | 0.04493 | -1.87 | down | <p>GGGCCAGCGGGACCCTCCCCAACTTGAAGCGGGGAGGCGC GGGCCGCGGTAGGCAACGAGCGGCACACGGCCCCACCGCGGG GCCGGCGCACCCGCCCCACCAGCCCCAGAGGGGAGGTGGG GGGCGGGGTGTTCTGCCACGCGCTCTTGGCAGCCGCCACGG CGGCCACTGCGCACGCAGGAGGGGCAGCAGCTGGGGGTCCG ATACCCCAAGGCTCCCTCTCGGATCGCTAGAGAAGGCTTTCT CACCGAGGGCTCGCCGCCCTCCCGCCACTCCCCCTCCCC CTGGCTCCCTCGCTCGCGGGTCTTCCGGCGCGCGTGCCCGG TCCGTGGCCTCTCCGCCCGCCCCGCTTCCCGGCACGCCCG GCTCCTCGTGCTCGCGCCCTACCTGGTTGATCCTGCCAGTA GCATATGCTTGTCTCAAAGATTAAGCCATGCATGTCTAAGTA CGCACGGCCGGTACAGTGAAACTGCGAATGGCTCATTAAATC AGTTATGGTTCCTTTGGTCACTCGTATGCTTGTCTCAAAGAT TAAGCCATGCATGTCTAAGTACGCACGGCCGGTACAGTAAA CTGCGAATGGCTCATTAAATCAGTTATGGTTCTTTGGTCCG TCGCTCCTCTCCTACTTGGATAACTGTGGTAATTCTAGAGCT AATACATGCCGACGGGCGCTGACCCCTTCCGGGGGGGATG CGTGCATTTATCAGATCAAAACCAACCCGGTCAGCCTCCTCC CGGCCCGGCCGGGGGGCGGGCGCCGGCGGCTTTGGTACTC TAGATAACCTCGGGCCGATCGCACGCCCCCGTGGCGGCGAC GACCCATTGCAACGTCTGCCCTATCAACTTTCGATGGTAGTC GCTGTGCCTACCATGGTGACCACGGGTGACGGGAATCAGGG TTCGATTCCGGAGAGGGAGCCTGAGAAAACGGCTACCACATCC AAGGAAGGCAGCAGGCGCGAAATTACCCACTCCCGACCCGG GGAGGTAGTGACGAAAAATAACAATACAGGACTCTTTCGAGG</p> |

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|----------------|------|------|---------|-------|------|--|
| MSTRG.199472.1 | 0.38 | 0.09 | 0.04847 | -1.89 | down | GGGAAAGACAGCAGCAGGTGTGGAAAGCAGACCTCATCCTCC AGGAGCCAACAGAGCAGAAAGGAGCGGCCGGCTGAAGTGCAC CGCAGCAGGGGTGAGGGGAGGGCTCCCCACGGCTATGCCT CCAGCCACAGAGTCAGGGAGATGTGAACACCTGGATGGGCTG ACTTCTGTCTGGGAAATCTCCCTGGCTGCCTTACCAGTCAC AAGTCTGCAGCCCAGATTTCTCTCACTCTGTTGTACGACCC TCACCTGAGCTTCTTCTGTGCTTTGTCTGAATCCAAACACT AACTGGATGCTGTTGGGACTGACCATGGGAGCTGATGGAGAA GAGAGACATTAGCTAGGCCAGTATGATTTCCCTTCTCTCAGG AATATAAACACAAAATCTGGAGAGAGGCTGCCACTGGTCGG GGAAGGCGAGAGAACATGCATGAACAGGAGCTGGTGAACCAC GCAGGCTGAAGATGACTTCTGACTCCGCTGCTGGAAGCCTTT GAGCCACTGGGGACACAGGAACGCCTCCCAGACCCAGTCGCC CAGAGCAATATCCCACTGGAGTTTGGGTCTGAGGTTTCTG ACAATTACACAAGGATCCAGAAAATAAAACCCCTTGTTTGA GCTGATGTTGCTATGTATCTACCTCTACAATGGCAACAAA GATACATCCAGGATAGTATAGATATAATACAAAACAAATATG |
| MSTRG.198307.9 | 0.43 | 0.11 | 0.0497 | -1.98 | down | CTGAAGAGTTCATGCAAAATAATTTGGAGTGCTGGAGGTAAT TGGAGAGACCCCTAATATCATTAAAGGTCTGAAAGATGCCAG GTAGGCAACTATTTTGCTTTTCAAATTTTCTTGTGGTCATT TTAAATGATTTTGAGAGACTAACTACAAATGCTGCTGATGT AATAAACTGTTCTGCCATTGTTAATACAGGACTTGAGATT GTTCAATTCTGAAAAGCTATCCAATATGCCCTGTAATATT AGCAACAGATTTGGCCAGTGCATTTATTTCTACATCTGTACA TAAAAAATCACCCTAGCAATTTGCATCTACCTGCGCAGGA CAGTAATATATTTTCACTGTCTTGTCTCAAGGGTGTGTAAT TTTCTTGCTCTCTGTCACTGTTGAAAGAAGGGATTTTAAA TCACATGAAAAGCTTTTCTTTACCTATTACAGAG ATGATGTATTAATTAGGGGAAATAGGAGAGCTGTTTTCTGTA TTTTCTCCTCCTTATTGAGTTTATGACCTTCAGGGGATGGC TGAGTAAATACAAGAAGGCTCATGAGCCCGTAGTCCCCTCTG TGGGTATTCTACTCTTCAAGCCTAGAGAGAAGCACCCATTT AGACTAAAACCAAACCTCTGGCTTAAACCTCCCTCTTATG ATTATAAATTATTTACAAGACTTTTATTGTTAGAGCTGGGC TTGAAAGGGGCACACATTAGGATTTTCTGTTTCTTATTA GGAATAGGTTTTATCCCAGCCATTTCTGCAGCAAAGTGATT TGAATACTGTATAGCATTACCTCTTATTGATTTGTAGCTGT TTCTGCTTGTTTTATATTCTGTTGATAGTGCCTGAAAATGTC TGTATTGTGTTAGGGGTGCTGGAGTGGGATCAAGAAAGAGG TGTCAAGTTCCCGAGCTCCAGCAGTACTGTCAGCAAGGGAC AGAAGGTGAATGCAGCTTGTAGGCGTATGGCAACAGCAAAG AAGCAGGCTTCTATGTAACCTGTTAGGGATGGGTAAGAAATG |

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|----------------|------|------|---------|-------|------|--|
| MSTRG.53403.3 | 1.09 | 0.28 | 0.04362 | -1.99 | down | GGGCTTCACTGAAGGGCCCGAGGGAGGAAGCGCCGGGGTCCG GCACGAGCGTCCCCGAGCGGGCGGGGCCGTGAACGGCCGCT TCCCGCAGGCAGGCTTCCACGACGCACCGGCACCTCGGCGAG CCTCCTTCCCTCCTTACGGGTGGGCTGGGGCTTCGTAGTTTT GGGCTGCGAGGGGAGGCTCCCTGCCCAACGGGAACTAAATT CCCAGAGACGGCCCTACCTGGAATAACAAGGCATGAGAGGAC CCCAGGGTATCTGAGGCCTGGTTCATGGGATTCTTTTCGGAG CGTTGACTTTGGAGCATGGTTTCTGTCATTTTCTGGACATGT CTCAGGGCCCAGCAAGAGAAAAGGCGGTCTGGACAGCAGCCAG AGGAAGTTGTGATGAAGGAATTATTGACTCGGTGCGAGTAGGT GTGTGTGCTCACTTTTCTGAAAGAAAAGTGAAGTCGCT CAGTCGTGTCCGACTCTGCGACCCCATGGACTGTAGCCTGCC AGGCTCCTCCATCCATGGAATTTTCCAGGCAAGACTGGA GTGGGCTGCCATTTCCCTTCTCCAGGAGATCTTCCCGACCCAG GGATTGAACCCGTGTCTCCTGCATTGTAGGCACACCACGTTT TCTGAAGGGCTTTGAAATCAGTCTTTATTTGCCCTGAATAAG AAAAGGGTAGAACGCACAATGCGAAAATGGGAAGATCCCTGA ACTTTCTGTGTCAGGACCTTCATCCAAGTCACTTCTGCTCCG TGAGCCTCAGTTTCCACTTCTGTAAAGCTGGATTGGGGTGGC GTTGGCAGTCTTGGTTAAAGGGTAGACATGGCAGGGGCTGCT TCACTTGTTTCTGTCCATACGTAATCTCCTCTTTATGGGAAC TGAGTCACTGATAGTGCTTCTGAAAATCTCCTTGGAGATGG TATCAGGCAGATCATTGCACTTATCCTGCTGCTGCTGCTAAG TCGCTTCAGTCGTGTTCCGGCTCTGTGCGACCCCATAGACGGC AGCCACCAGGCTCCCCGTCTCTGGGATTCTCCAGGCAAGA |
| MSTRG.186142.1 | 0.42 | 0.11 | 0.02735 | -2.02 | down | AGTATAAATAATATATGAAAATAAAGTTGTTTGTACTTTAAG GTGCATAGAATACATTTGTTCTAGAGAGAGCTTAAAATAGAT TCTCAATTAATTATCATTGGACAATGAAATCAGATGCTTTC TGGTGCTCTAATTTATCACAGCCTTGAATAAAATCAATTTA GTCTGTCACTTATAGTTGTAGTTCATTGAATTTTGATTAA ATGCACACTTAACAAGTACTTTTAAAAGAAAATGCCGCTAA GTCACTTCAGTCGTGTCGACTCTGTGCGACCCCATAGACGG CAGCCCACTAGGCTCCCCGTCCCTGGGATTCTCCAGGCAAG AACACTGGAGTGGGTGCCATTTCCCTTCTCCAATGCATGAAA GTGAAAAGTGAAGTGAAGTCACTCAGTGGTGTCTGACTCTT CACGACCCCATGGACTGCAGCCACCAGGCTCCTCCATCCAT GGGATTTTCCAGGCAAGAGTACTGGAGTGGGGTGCCTAGTGA TACCATATTTTACAGTCAAACCTGGATGAAACTAGTTGTTTC ATTGTTTTAATATATTATAAGAATATTGGGTACCATACTCAT AATAATTCAGTTTTATTTGTAATTTTGATAAATACTCATATC TGCTCCAGTTTGGTTAGATACTTAGTTTGAAGTTGAATTTGT TCTTAATTGATCAATACTTGGCTATAGCCTGACAGTCTGTTT CAAATGGTGTGTGTGTGTGTATACATTTGCCCTTATTTTG TTTGAAAATATTATTTTAAAATATTTGAGACCAACAAATTA AAATATCTGAGTATGTGATTGCATTGATCTGGACTCTGTTTT ACAGCTGAAGAATTCTTGCAGTAATGACAAATCGATTA AAC ATTTAAACCATCATATTGGATGGCATAACCCCAAAGTTTAT GAAAAGTTGCTATTTCTCTGGACCCTCCAAGGTGAATGTACA ACCTGAGACTATAAATGCATGTAGCTTAATGCCTGTGAACCA TCAAAGGAAAACATTGTCCAGATTCTGAGTGAAGTGAAGT |

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| MSTRG.186150.6 | 0.3 | 0.07 | 0.04201 | -2.05 | down | <p>G TTCAGATTGGAGGTTGGCTTTGGGACCTGCCTTTGTTAGAA GGTGTCTGTCTTGGGGAAGGGAATGCCTGACTAAATGTGGC AGGACACAGGAATGACCTTCATTTACTGAATGATAAATGAAT TGAATGATAATAATATCATTTTCGGATTCCAGGAAGTGACAAT ATTAGTGTGTAACAGAATAGGAAATAGAAGAGGGAAGGTGAC TCAGATAACCAGAGCAGAACTAGCATAAGAAAGAAGGAATGGG CTCCAACCTTAGAATATCATTTATGCTCTGGTGCTTCCTCCGT GCCCAAGTGAAAAGAAAATCAGTCCTTTGCACTGCAGAGTAAT AATAGCTATACATATGTGACTGCTATGTGAGAAAAGAACCTT TTAGAAGTTGCTAAGATAGCATACTGAAGCAGGTTAATTTG TTCCTAGACATTTGTTGGGCACCTCTATGTGCCAGGGTGT CCCTGGTGGTGCAGCCGGTAAAGAGTCTGCATGCAATGCGGG AGACCTGGGTTTGTTCCTGGGTTGGGAAGATCCTGGAGAAT TCCATGAACAGAGGAGCCTAGCAGACTACAGTCCTTGAGTTT GCAAAGAGTTGGACACAATAACGACTTTCATTTCACTTCT GTGTGCCAGGCTCTGTTCCCAACTGGGTGCGGCATTA CAGAGAAAACCTTTGTTCTCTGGCCATTTACATTGTGGTAG GAAGCAAGTGTCCCTCAACAGAGCTTGTCCCTGTTATTCTGGT GACCACATTAGGAGCATTGCTTACAGGATGATGGCTGAAGTA</p> |
| MSTRG.43306.1 | 0.63 | 0.15 | 0.04299 | -2.12 | down | <p>CAGCGCCAAAGATACAGGACGCTCAGAGACAATACCGCCCAG CCTGGGTGCAGCACTCTGCCCTCACGTCTGGAGGTTCTCAAC GCTTTGTGAACAAAGGAGCCTCCATTTCCACTTTGCTCTGAG CCCACAACCTCTGGGGAGTTTTTCACGGCAAGAAAGAGAAGG TGCCAGCTTTGCACCCAGCCGTCTGGCCTCGAAGCCCAGCCT TCTCATCTCAGCGGCTCATGAGGACCTTGCAAGATGGAGGA AACTGACCCCGGAGCAGACCCGGCCCGCAGCAGCTCAGTATC AGTCCCGTCTCTGCTGGACTGGCCTTCACGATCCAGAACGA GTTCAGGGCTAGATCAGAGCTTCCTGGCGTCGTGGCTGCAGC TGGTGTGGTGAAAGGGCTGGTGTGGTGGAAAGGAGACGAGTGC TTGAGCAGAGGATTCTACCTCTCGTGTCCCATATCTTCTGAA TCAGAATCTGGGGGTGGTGCATGCTGTGGGGACCTGGGAATA TGTGTTTCTTAAGAGAAAGGAATGGAATGAAAGAAAAGCAC TTCTCCAGAGATTCTGATGGAAATCCAGCCTCAGAACTATC CGTTCAGATGACAAGACTACTGTCAAGCCTGCTATCCATGTC CTCGCTGAAGACAGAGCTGGAGGGCACACATCTCTGAGCTGC ACACCTGGGCAGAGCGGTGCACACAGGAGAAGAGCAGTGTTT TCGCTGTGGCTCACGTTTCAGCAAGTGGCCTCTTTCTCCACT TACACTGGGGGAAGGATCATTGATGGTGGGACAGGTCAGT CTGAATTTTACCATGCTACAATTTCCAGGGTGGTGAACAGA AACATCTGGAAAGAAAACAGCTGTTTTGGGCAATTTTCCCC CAAATCAAATCTTACAGACGGAGAATGACCACCTTGTGC TGCCATATTCTGAACTTTAAGGACTGTCTGTTCTGTTACTT TTGTTTGAACGTAAAGGAAATAAAGTTAAGAACAGTGATGC TATACATACTGACAGTCTGTCTCCCTGACTGAACCTGAGTTG</p> |

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|----------------|------|------|---------|-------|------|--|
| MSTRG.210622.4 | 0.11 | 0.02 | 0.03043 | -2.14 | down | <p>CCTGTGGAAGTGGCTGAGTGGCAGTGTGTCCCAGGAATACTC CTCAGGGTTCAGGTTTGGTACTGCTACTGGAGGACTCAGGT AGGGTCATTTGTACCTCGTGATGGACAGCATTACCCTTTCTG CTGAAAGCACAAGGACATCCTATACTTGCAACTGGATATAGG GTAATAACCACATGAACAGAAGATGGGAGACAGATACTCTGT CTCGAGTTTCTGCATACTTCATTAGATGCATTTGTGAAGAAT TTCTGGCCTTTGGGTCTGTTGCCATTTGTAAGCACCCATGAG TAGATTTCACTTACTGGAACCTATATGCTTTCTTGGTTTTCA AATTTGATGGCAGAGGGAAGAAGAGGCAGGACAGCTGCCTTC TTATCTGATTTCCCCCTTGACAGACAAGGAAGCAGCCACACTC CAAATCTACTGCATCCTAGACCTCCCCAGAAGCCAGGAAATG GAATTGGAGCCAGCCTCACCTCTTTGGGCCAAAGAGATTGT GGTAGAGCGTCCGGAAGCGCTTGCAGCGTGTAGTTGCAGCGAT AAGCCCCTCCCATCAGGTAAGTACTCGATCACCAGGCCAATATCGA TCAGGCTGATTCTGTAGTCTGGGGCAGGTTCCCCTACCAGG GAAGAATGGAACACACACACATCCAAGAGACAAGGGGTTTA CTAGGGATTCTACTCCGTGTGTTCTGTAACATTTTTAGACTA AAATAATAATAATAATTAATAAAGAAACATATTAATGTATTAT TATGCTGGTTAATCAATTCACCTTAAATAGATCCAACCGAA ACCTGGATATTCTCGCTTGAAAGAAGACATAAGTTAAATAA GAAGATGCAGTAATCGTCGCAATAACAGAAAATCAAATAT TTATTCAAGTCTTCAGCTGGGAGAAAAAACACCAGTGTAG CAGAAAGAAACAAAAATGGCAAATTCACCACTCCCAGCCAC TAAGGAAGTAGGTTCCAGATGCTCCCCAGACCCCTTCACT GCTCTGCCTCGGACCCGGGCTGTTACTGGCCTCTTGCTGAT</p> |
| MSTRG.26889.3 | 0.55 | 0.13 | 0.03102 | -2.14 | down | <p>TGCAAAACGGGGACTGAATTAAGCAGCCTCCAGGGAACGTGGG CTCCACGTACAACAGCTCCTGCCATGCCCCGCTGGGAGGGG GCAGGCAGGAACGTGCTGGGCTCGGAATAAGCAGCAGACA CTTGTCTGCAGGCCAGGTGCCTGGATGCAGACAGAGTGGGC AAGCCCTCTGTCTCCGTGCTCCCTGATCACCCACCCGGGGC TCGGAGGACACCAGGTACCTGCCAGTCGTCAGCCAGAGGCA GGGAGGAAGTTTCATGTGAGAAAAAGGACGGTTTGGACTCC AGAATGGACGGTGCAGACTGGTCTTTCTGTGCAATCATACA AGCAAACGCAGAGGTGGCAACATCCCCAGGTTCCATCAGCAG GGATGGTAAACTCAACGGGTAATCTACACAGCAGAATGA TACTCGGCCTCGAAAAGGACTGGAATGCTGGTTCTGCTACC ATGGGTGAGCCTGAAAAACCTTATCTGAGTAAAGAAGTCTGT CTTTGAAGGTCACTAACTGTACGGTCCCTGCACAGGAAAACC CAGAAACGGGAAACCTAGACACAGGAAGCAGAACAGTGGGGG CTCCGGAGGTGGGGGAAGGAAGTGAAGACTGTTTCAGGGT GACGGAAACTTCTCAATGATGACTATGTGCTGCTCTCACACG CCTGCATGAAGTGAAGCCCTGTGTGCCCTCTGGGATCCCA AACCAACTGTTAGAACTATTAAGACATCTCTCCACAATT TCTCTGCTCGCTCACCTCTGAACCAGGCTAAGTATTTCTCT CCAGGTTGACCCCTGGGTCATTAGCAGACCTGCATTGCTGCT GCCAGGAGGCTGGGTACCAGGTCATAGGAGCTCACCTCGCTC CCTCTGTCTGAACTGCCCTTAATTTAAATAACAAGGCTGCTG CAGCTGAGGTGGCATCTCTCAGAGGAAGGTCATAAATTAGCA ATTCATAGAAGCAGGACACATGCGCACATGACCTGGAGTGAG TCCAGCACCTCTGTCAAGGATGAAGCTCCTGGGTCCTGCTC</p> |

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| MSTRG.46959.6 | 0.39 | 0.08 | 0.03738 | -2.27 | down | <p>TCAAGACGCAGAGACTCGGAGGCGGAGAAGAGGAACACAGAA CCAGAAGGAAGGGACCCCGAGGGCGGGGAGGAAGACCCAGG ACATGAAAGGGGAAATTGAGGTGGAAATTGAGAGACCCAGAG ATGCAGAAAAACAGCAATAGAAAGTGGTTAGAGAAAGCTGC GGGCCAGGCAGATTCTTTACTGATTGAGCCACCAGGGAAGAT CCAGCCCCAAGGTCAGTAGCATGGAGGCTGAGAACCCTGCT GTAAGTGGAAACAGACCTTTGAACGTCACCTTGTATGGCATAA GGAATTATGCAGCTATGATTTAGCTAAAGATCTTGAGCTGGG AAGATGATCCTGGATGATCTGAGTGGGCCCAATGGAATCACG GGAGTCCTTATAAGATGGAGGCTGAAGGAGGTTTGACCACAG AAGAGGAGAAGGCAGAGAGAATGACAGAACCAGATTGAAAGG AGGCACATTGAAGAGGGAAGAAGGGGCCACAAGCCAAGGGAT GCAAGTCACCACTGGAAGTTGGAGAAGACAAGGAAACAGCCT CTCCTCAGAGCCTCCGGCAGGAGCCAGCCCTGCCAGCATCTT GACTTCAGTCCAGAGACTGATTTTCAGACTTCTGACCTCCAGA ACTCTAAGTAAATAAATTTGTGCTCTTAAGC</p> |
| MSTRG.34606.1 | 0.19 | 0.04 | 0.04543 | -2.27 | down | <p>GCTTTAAAGGCATGAGCTCTGATTTAATATCACTTAGGCAGC CACCAAAGAACATAAAGAATGAGGCTGCTGACCTTGTTCCTG ACAGACATTTTTTCGGTTTTTCATGTTCCAAAAATTATTAAGAA GGGGCTTCTATCAACATGACTTTTCTGAGTCTCTTGTGTTT ATGAGGAGAGCTTTGCTGATGTACTCACGATTTCAAAGTGA AGAGCTCTCTGAGAATTCAGCTGCCAGAGATAGAGAGAGAGA GAGAGAAGACTTACCCTCAGCACCTAGAGAATGTGAGAATTC TGCTGCCACAAATCCCCCTCCAGGGACCTTCCAGCCAGGCAG GATAATGACCATTGACACCAGCACCTGGATGAGAATTGTGAA AATGTGTCCACAAACCTTATAAGAACCTCCACACTTTCCCAC AGAAGCTCTGACCACCAACATGCCCTTATTATGCTGATAGTA TATAAACCTTTACCCATGGCTGTTCAAAGAGATTCTCTTTAT AGAATGCTGCTGCATGAGTGTATGATAACATTTTCTCTTGTT ACTCTGAAGAAAACCTCCAGATTGTCAATTAATTCGCAGGTCC CAACTACCACCATTGACACCTCACTTGGTCAAGGAAAAGTTT TCCTGCCAGGTCTCCAAAATCAACAAGCCACTGAAATGACCC TACTCGCCCTCACCTCCAGGATTCCTGCCATGAGAGAATAAA CCACAGTTTGTAAAGCCACTATTGGTTGGATTTTCTGCAAC TTGAAGCAGAAAGAAGAGCCAGTAGTTTACCCTGTTTATTCT TTTTGAGCCAAGACACAAGTGCCCACTCTCCATTCACCAAAA TGATGGGAAAAGTCATAGTTCAGACTTGGATGCCAGAACAAT CACAAAAGAAAGTGAACCTTGTCTGGTCAGATCTATGTTCC AACTCCTATACATCACTAATGTAGATCAGCTTCTCACACTTT TTCTTTGCACAACATATCAACTCTGGATTAATCTGGTAAA ATGAATAAGACATTTTTAAACACTGCCATGGCTTTCAAAA</p> |

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| MSTRG.143209.3 | 0.47 | 0.09 | 0.01943 | -2.28 | down | <p>TGATCTTGGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGCG TCCGTGCGGGGAGGGGAGGGGCGCTACTATCACTGATAGGT ATGTTACCAATCTGTGCAATGCCAATATAAAAGTCAGTTCT TGGTTGCTGAAGGAACTGTATGACTTGGTATTAAGAAGG TATGTGGCATGAAATCGCATTCTGAAGGAAAACGACGTCG TTCTTTCTCCAGGTGGCAGTTTCAGGATGGGAGAAGCAAAG GAATGGGTACAGAATGGGATCAGGAGGTTGTAGGGAACGTGG ACCCCAGAAAAGAGTGTGTGCCTAGCACAAGGTTTCTTGA GAGGTTGAACTGCCTTTGCTAATGGATTTAAAGTTTCTTTAC CTCTTCCGTGATCTCTTCTAGGTTGACCTAGAACAGAAATCT TTTGTTAGCTTTGGCTAAGTGGAGAAGTATTGCTTCACGGTG ACTTGTGTGATCCTACCTGACTGTTCTAAAACCTTTTGATAT CTATGACTGCTGCTGCTGCTGCTGCTGCTGCGAAGTCGTTT CAGTCGTGTCCGAGTCTGTGTGACCCCATGGACGGCAGCCCA CCAGGCCCCGAGTCCCTGGGGTTCTCCAGGCAAGAACACTG</p> |
| MSTRG.14510.5 | 0.33 | 0.06 | 0.01719 | -2.3 | down | <p>CCCGGCTCTCCTGATCGAAACTCCGAGCCAGAGCTCTCCGC GCGCGCCCCAGCCGCTGGCCGCCCCGCGCAGCCGGACGCGGAA CCCCGGCGCAGCGGGAGCCTTGCAGGACGGGCGCGGGGCGGC GGCGGCAGCCGTCCATGCGGCGGGCTCGGGGCTGCCCGGCGC CGGAACCACGCGGGGGCCAGGCAAGGCGGCCACTGGCCGCA CCGGGACTCGGACCGCCAGGAGTTGAACATCACCCCATCTG CAGAAAATTGGCAACATCTCTGAGGAGCCCTTGCTTTTTCT GGGACACCAGGACCATGGTTTCTGTGTCATGGAGTCTCTC AGTGTCTGGGTTCCCTCCTGCTGCTGGACTCCAGCTCGTC TGCCCGCAGCCCTCCACTGAACACAGAAAGTTGCCAGGATCA TTGTCATTGTCATTACCTCAGAGAAGGAAGATTCAGTGCTT TTTTGGGTCGAAATTTCTTCTGACGTTTGTGGAGTTCT GTGAAGCCGTGGCTGTCATCCTTCTGACTGTCCCAGAGCC CTGGAGCAGCGACAGTACTGGCAGTAATAGCATCCGTTTATT TCTGCAACATGAGAAATAAGGAGATACCTATTAACAGAGG CTGGAATGTTTTCTATAAATGGTCAGTTGTGATTGTTCTA GGCTTTCTGGGCTACAAAATCTCTGTCACAACTAGTCAGCTC TGCTTTGTAGCACAAATTCAGTCATAAACAACTTGTCATA AATGTACATGTCTGTGTTCCAATAATACTTTATTTGCAAAAC ACTGGATTTGGCCATAACCCACCGTTTGCCAGCCACTGCTC TAAAGTCAAGATAGAGAAGAGTAACTGTAATTACTGTATAT GTATTTGAAAGTTGGAAATTGTCTCCTCCTGGGACCTTAAGA AACACAAAGGATTTGAGGGGAAAAAAAAGTATATTTTTTAGG GGAAAAATATATTTTTTCATGAAAACATAAGAATTATGATTG CTATCAAATGTTTTCGTTGCTTGGATAAATCATGATTGAAT</p> |

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| MSTRG.68876.1 | 0.58 | 0.1 | 0.01727 | -2.32 | down | <p>CCGGAATAGATTCTCCTGCCAGTGTGTTAAATTTGCTCGCAG GTTACCTTTGTGTGTCCACCAGCATGAACTGCATAAGGGAA TGCAAATGAGCCCCTACCTGGGGAAATCTGAGGCCAGAAGGA AGACAACCTGCAGGAGAGGAAGGTGACGGCAATTAAGAAGG GATCGCCTCACTCCAGAATGTCCGAGGCCCTTTGGAGAACT GCTGTTTCCCCAAACCCTCTACATGGCCGCTTGCTAGCAGG TCTCCCAGCGATCACCTCCATTGGTTTTGCCTTTTGGCAA AACTGTTTGTGAATCAATGTCAGCACTGCGAGTGAGGCCAG AAACCCCTCTCACAACCTTGGCCGAAGCAGGAATTCATGGGA GCTGCAAAGGGTTACGAATAAAATGCAGTCACAAAGGGTCAA ACGTGGATTCTGCCTTCTTTCTGAGACCCACCCCTCCTTCA CAGAGTTTGCCTGAACCTCGGCCACATTCAGTCCGGTATGA TTATCAGAACCGCTGAGTCTCAAGTTTGCAGCTTGCTCCGTT CATTTCGTGCATCCCATCGGTGAGAAGAAGTGTCTGCAGTCA TCCTTCATATTGGGAGGGATGAGCTGAAGGAGGCAGGGAGAT GTCTCCTAAGGAGGAGTCTTTCCAGCTATCATGGCTTCCAA ACCTGCTTATCTGGTTCTCTGGCAACAGTTCACAGAAGC TGTAATGTATAAATATGGGGACTCCCCCTTGCTCTCTCACAA</p> |
| MSTRG.13394.1 | 0.13 | 0.02 | 0.03567 | -2.37 | down | <p>GGAAAACCCAGCAAAGAGAAGGAAACTATTTAACCACCTTG TCCACTGATAAGAAGAGCTTTATGGAGCACTTCTGAAAGATT TTACAGAAGGACTAGACGTGCAGATTGGTACATTATAAAGAT AAATTTGGGGTGAAGCAAGCACAGGTTGCAGAAGGCTAACA GAGCCAGAGAAACAACCTAAGAATAATCCAGAAGAGTGGAGGA GAGCCTGAAGCAGAACACTGGCATCAGGAATGGCGAGGAGGG GGAGAATAAGAAAGAAACCCAAGGACACAATAGGACTTGGAA GCCAATGGGCTCTGAGCGGGCGGCTCTTGGATGCTGGTATGA CCCACTAAGACAGGCACTGGTTGGGCAAAAGCAGGAACCTTG GTGAGCGGGTCTGAGTCGGGGTCTAGAGGTGCTGTGGAACA CAGGAAAGACATCTACCAGATACCTACTTTGCGCCCTCCTGA CCTCGGGGAGGAAGAAGGAATGAACTCTCCACTTGAGTTTAC TGGTTGGCAGATGGCAGTTTGGTGTGAATGCATCTGAGACCA AGTGTTACCTTAGCCAGTAATGTCGGTTTCAAGACTTTTGCT TACTTACTACTTACTGGAACCTACTTTCTAATTTCTTATT GGGTGGTTGGGGAGAAGGCATGGGTAGATGCCAGCAATAAA GTAAACAGGTGGGACAATCCTTCAGGACTCAACCTGCCTCCT GGGAGACCTCCAGCCCATGTAGGCTGCCACCCGTGGCTTCCA CAGCGGCCTGCCTTCTCTGTAGCTGACATCAACACTGCTGTT TCCTGCGTCACGTCTGCAGCTTCTACCAGACTAAGTTCTTGG AGAGCTAAGACTGGATCTGTCTTAATTTGTATTCCAGACA AAAAACGAGCACTCGATTGTTCACTGAGTGAATAAACG AAAGAATGAACTGAGGTTGGGATACAGGAGTTATAATGTTGT CCTTTTAAGCTGCCGAGAAGATTGAAAGACTATCCTTTTTTC TTCAAACACCATCAAATGGCCTTTGTCCCTGGGAGGTGCT</p> |

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|----------------|------|------|---------|-------|------|---|
| MSTRG.122651.2 | 0.73 | 0.14 | 0.03192 | -2.4 | down | CACGGCGGGGAAGGAGGGAGGGCACACAGGAAATACAGGGTA AGGGGGCGGGGAGTCCAGAAGATCAGAATCACCCCAGAGGA TCTTCCACCTTTTTACCCGTCCAGACGTCCCAGGAGAGCCA GGGACTAGATTTCGGGAGATGGGACGGCGGCAGAGAGAAGACA GCAAGCTCCCAGCTGTAGCCAATCCCTGCCAGGGCTGCGGC TCACCCGCCTCTGGCGGTGGGGACCTTCTAGCTTCTGGCAAC CCCAATCCATCCGACTTACTTGTGTCAGTTACAAACCTGTCC GGTGTTTTCACCCAACATATTAGCGAGTTTGAGGGAAACTCT AAAGGTCTCTCCTTTACTGACTCCTTTAATCCCATTTTAAAA AAGACAACCGAAGAACGCCGGCACCGGCCAGGCAACTCCGCG GCCAGCCCCGCCGTCAGGCCCCGCCCGCTCCATCGGGGTCT TACTCGCTCTGGCTCCTTGCCCCGTTTCGGGCTGTGTCAGG AACTTTCTGGAGCTCTCTGGGCTCAGAGGCGGGGACTGGCTC GTAGGAACACTCTTCAACAAACAAACTGCCCCACCCAAGTCT CCCTCCCCGCCCTTCGCCCCCTGCCCGCCGCCACCCTAAG ACTTCAAGCTTAGTCACGGCTCTACATTTAGCTTCCAGAAGA TTCTTGCTAGCCTAGCCCTAGTAACGGGGCTCCCCCTCCCTT CCTCTGTAAACAACCGACCAGTCTGTGATAACGGGAAGGGGA GACGGTCTCGGAGAACCTGGAAGGGCTGAAAAGGTGGAAGT GTGGGTGTTGGCGGGGAAAGCGGCGGAGCTGGGTGCGTAGA TAGGCGTGAGTCAGAAGCAACAGCCTGGAGAGCGTGAACGA TAGGGTTTATGTGCCAGCATTGAGAGGAGTCCAAAGTAGAAA GTAGGCCGACATGTTAGTTCAATCACCGGTTCCGTAATTACC TGTCTGGGTGATCTGGCCAAGCCACGAAACCTCTGAACCTTT GTGCTCATCTTTGAAAAACAGAAAGGTTTGCTGAAGGACTCT |
| MSTRG.70112.1 | 0.37 | 0.06 | 0.01603 | -2.44 | down | GACAAATCTGGCCTCGGGGAGCTTTCGCCGTGCTCAAGACCA CCAACAACACCATCCAGGGCGGGGGCTGGGAGCTCTGCAGAC ATGAGCACACTGGGCATTGTGTGCTCACGGATGTTTATTCTG AGTTGCTGGAAAACCTTGTGCGGTAGGTCTAGGAGTCAGTCG TGCTGGGCAGGGTTCATGGAAGGCTTCTGGAAGTGGAGTAAG GGTGTCTCAGAGAATCTTATTTCTTGGAAAGATGAGGCAGAG GTCCAGAGAGTGACTTCTCAGGGTCCCTAGGGAGCCAGTGGC AGCTGCAACCCTCTGCTGGTGCTCCCCATAACCGCCACGCGA TGCAGGAGGGCCTCAGGCTGCTGGCTGCCGTTGCGTCCCAGG CTGGGCTGCGTCTCCAGAGCTCAGAGAACGAGCAGGAGAAGT CCTACAAACGGAAGCTGCATTGCTCTCTGACTCTTCCAGACGC GTTTGGCGCTTCCCTGGCAGCTTCTGGAATGCATCATTTTGT GAGGCGCGGGTTCATCTGAAGGCAGTGGACCTGGTGTTAT ACTAAAACATCACATATGTTTAGCAGTTCCAAAACACATG TAGGGTCTGCCTACCGTAGGCTGAGCTGGTTTCAGGGCGGA GGGGAGGTTTTACCTCTGCTAATGATCATTAAACAGTAAAC CGGGCTAAGAACCTACCCATTGCTGGGGTGGGCACCAGCGAG TCCCTGGGTGGGACCAGAAGGTCTTCTCTCTGTGATTGCT TTCTGTGGTGGCAGAAGGAAGGCTGCACAGCCAGGTGGCTC TCAGAGCTAAGCTGCTTCTGACGGGGGAGGCGGGCACGA TGGGAGCAGACACAGCGATACAGGACCCACCCACGTGCACA CCGGGAGACTCCCTTCTTATGTGGAGAGGGTGTGAATTTCA GTTTCATGATCATCAACAGAAGAGATCGCTGCAAGCAGCCAT GTGTGTTAAATTATTCTGAGACCCCCGTTTCTCCTTTAATGA GCGGGTGCTTTCGTGTCAGGCAGCAATAGTGGCGATTTCCAC |

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|---------------|------|------|---------|-------|------|--|
| MSTRG.9772.9 | 0.28 | 0.05 | 0.02219 | -2.44 | down | <p>CCCGGCCGGGTGGCGTCCCAACCCCGCGCCGGGGGCGGGCC GGGCCGGCCGAGCCGAGCCGCGCGGTCCATTTTCTGGGCGG TGCTGCGAGACGCCGCGCCTGACTCGCGGTCCGGAAGCGC CATGGACCCCGGGGAACGCGCTCGCGGGCAGCGGCCGAGC CCTATCTAGATGTGGAGGAAATGGAGGACTCAGAACCAAGGA TTTCCAAGTGATTTCTTCCAAGCTCAAGACGCTAACTCTTT TAAAGCTGGTCTGTTCTAACTGAGACGACCAAAGAATATCCG TTGATAGAAAGTTCTTAAAACTACATTGCTGTTGATGTAAA GGTTTCTAACAGTAATCAGACTAAAAATTATGGATCGAAGGA ACACAACCTGCATTTACAAGAATGAGTGAATTTTTGAAAGAA AGAAAGATAACACTAAGTCATATCCAACCTTGTGACCCCAT GAACTGTAGCCCGCCAGGCTCCTCTGTCCAGGAGATTCTCCA CGCAAGGATACTGGAATGGGTTGCCATTTCTTCTTCAGGGG ATCTTCTGACCCAGGAGTGGAACCTCAGGTCTCCTGCATTGT AGATAGATTCTTTACCAGCTGAGCTACATGGGAAGCCTACAT GAATTTTTGAGAATCAGTTTAAAAATTCAGCCTTGAAGTTG GGAAGCCACGGAAGAAGAAGACTACAAAGGCAGAAAGGAGAA CTCCATGCCAAAAAAGAGTCTGAATATTATAATAAAATCA ATTATCACACACTTACTATTTGCTATGTACTTGCCCTGGCTA GGTGCCCTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG TGTGTGTGTGAAGTTGCTTCAGTCACATCTGATTCTTTGCAA CCCATGGACTCTAGCCACCAGGCTTCTCTGTCCATGGGGT TCTTAGGCAAGAATACTGGAGTGGGTTGCCATTTCTTCTC CTGGGGATCTTCCCAACTCAGGGATCGAACTCGCATCTCTTA CGTCTCCTGCGTTGGCAGGTGGGCTCTTACCCTAGCGCCA</p> |
| MSTRG.80295.2 | 0.21 | 0.04 | 0.01717 | -2.48 | down | <p>AAACCACTCCAGTATTCTTGCCACGAGAACCCCATGCACAGC ATAAAAAGGCAAAAAACATATATATTATTGGAGTTATAAACT ACATGAAGCAAAATCAGACAAAAATGAAAAATCTCTAATTAT AGCTGGAAATTTCAACACTCCTTTTACTTACTTATAGGACAA GTAGACACAAAAATAAAGACTTGACCTGCTATTTATATCAAC TTACATTTATAGAACAATTCATTCAACCACAGCAGGAAATG TTTTCTTTTCAACTGCATGTAAGATATTATCACCATAGACC ATAAAAATAAGTCCCTGTAAATTTAAAGGGCTTAAAAATATATT ATTTAACCAATAGAATTCAGCTAGAAATCAAAAAATAAAAA TACTTGAAAATTTTGCAAAATAATTTTAAATACCATATGT CTAAAGAATACATAAGTCAAGAAGAAATCATGAAGAAAATGT AAAACTTTAAACATGATGATAAAGAAAATACAGCATACTGAA ATTTCTGAGTGACAGCTGAATAGAACTACACAGAAGGGAGGG AAATTCTACCTTCAAAATCAAGGTTCTAAGTATTAATAAGTA TCAGTTAAACCCAAAGCAAAATAAAGTAGAGTGGAAT TAAGGGAAGAGAAAAATTAGAGATATAGATAAAATCAATTA GTTAATTGGTTCTATTAATAAAATCAATAAAATGACAAAC CTCTATCAGAGGCAATCAACAGAAAAGAGAGAACACACAAAT TCCCAATATCAGAAATTAATGTGGACATCAAAATTTCAA CAACCTAACTTTACATCTAAAGGAACTAGAAAAAGAACAAC AAAATGAAAAGGTAGGTGAAGGAAAGTTATCACAAGATCAG CTCAGAAATAAAATACACACAAAACAATACAAAAGTTGAATG AAACTAAGAGCTGATTCTTTGAAAAGATAAAATGAATAGACC TTAGCCAGACTCATCAAGAGAAAAGGGAGCCCAATCAAT AAAATCAGGAATAAAAGTTACTACTGACACCACAAAAAATA</p> |

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| MSTRG.172143.1 | 0.45 | 0.07 | 0.00871 | -2.49 | down | GCTAAGGGTTTTGTTTTGGTTCAATGCTTTTTGTCTCTGAAT TGAACCATGTCTGATATTCTCTTTGTTGGATTTGCCTAATG TAACTGTCCTAAAGTAATATAATTTCTGTTTTCAACCTTTCT GAATCACTTTGAGAAGTGAGTGTTGCCCATGCTTTGGAACCG TGGTGCTGGAGAAGACTCTTGAGAGTCCCTTGGACTGCAAGG AGATAAACTAGCCAATCCTCAAGGAAATCAACCTGAGTATT CATTGGAAGGACTGGTGCTGAAGCTGAAGCTCCAATACTTTG GCCACCTGATGTGAAGAACTGGTGCATTGGAAAAGACCCTGA TGCTGGGAAAGACTGAGGGCAAGAGGAGAAGGAGGCAATAGA GAATGAGATGGTTGGATGCCATCACCAACTCAGTGGAGAAGA GTTTGAGCAAATTCAGGGAAATAGTGATGGACAGGGAAACCT GGTGTGCTGCAGTTCGTGGAGCTGCAGAGTTGGACACGACTT AGCAACTGAATGACAGCAACAGCATACTCATGGACTGCAAG |
| MSTRG.221654.5 | 2 | 0.37 | 0.01829 | -2.5 | down | ACAGAATTTAAAAATTCAGCCCTCAGTTGCACTGGCCATAATT CAAGTACTCAGTAGCAACAAGTACTCAGTAGCAACATATGGC TAGTGGGTACCATATTGAATGGAAGAGGCATGGAGCCTTGCC ATCATGGCAAAAAGTTCCCCTGGACACAGGACTGCTCTGAAA GATCTTTTCTTTGTGATTGCAGTGCAGCTGTCTGCTTCAGGA AGTGAGGTCAACAGGAGCAAGGAGAATCTTAAGAGCTGCCT CGCATTGTGACATGTCTGATTCCCTTGTGCAGTCCCTACAGC ATGAACAAGGTAAGAGGCACTTTGGGGACTGATCCTTTGTGT CTTCTTTATGCTACCATGGATTTCCCTGGGTACGTCATGTCTG TTCTGTGATGTGAGGAGGTTGTGTCTCCTGCCAGAAGTATTA TGGAGGTTGGCAAGCAGCGTTGACAGGCAGGGTCACAGGCTG CTGCTGGTGTACTGTTCTAGAGGTGTCAACTGTGTTTCTTGG AGGCCTCTGAGCAGCTGGACTGTCAGTTGTTAGTATAATTGT CTTGGCATGGATATTGGAAGACTGAGGCTCTAGGGCCAAGCT GTCTGGGTTTTAAATATCAGCTAGCTTTGAGGACCTTGGGAAA GTGGCTTAATGGCTCTGTGCCTCAATTTCCCCATCTGTAAAA TGCTGGTGATAATGGTATGTAACCTGCAGGGTTGTTTTAAGG ATGAAATGAGTTGATATGTGTCCCAGTGTTAATACAGCCCC TGTCTACACTATAAGCATTGATTAGTTTTTTGCTGTTGTTG TTTTTGGTGTGAGGACACTGTTGTCCCTCAGATATTGTTGC CAGCAAGCCTTAGGTGCAGGTGGCGCCAGTGGTAAAGAACCC ACCTGCCAGTGCAGGAGACTTAAGAGACATGAGTTTCGATCCC TGGGTTTCGGAAGACCCCGGGAGGAGGGCATGGTATCCCACT CCAGTATTCTTGCCTGGAGAATCCTATGGACAGAGGAGCCTG GCAGGCTACAGTCCATGGGGTCGCACAGAGTCAGACATGACT |

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| MSTRG.178915.1 | 0.25 | 0.04 | 0.03206 | -2.53 | down | <p>GTCTTATCTTTTTAAAGAGGGGAAAGAATTATTTAGGATTCA AGTACAGTCAGTAATCCATGTAAGGGGAAGCCTCTATTATAA ACCATTGTTGGAGCTAAGTATGTTTGACTTCAACAGTTGTTG AGAACATGAATCTTTGTATAGAGCATCAGCTTCTGTTTCTGA ATATGTGCTGAGATTACTATGTTGACCTTATTACAGGGTTTC TTGTAGCTATAGCAAGTGACAAGAGCTAGCAACCCCTGCAGT ATAAATCTCTGTGTTTTGGGGACCCAGTAAAGTGACTGAACT CAAATAGTGAATAGCAAAGCAAAGATTCTCCCTTCCCTCAGG GAGAGACCTGGTCTTTCTGAAGAGGAGATGACTACAAACTCT TCTTACCTTTTCAGTTTGCTTAAGATAAAAAGAAAGAATTTAA GATTCTGTAAACATTGTCTGATTTTGTCTGCTTTTTTGTAGGA GGAAACACTTGAAGTTGTTAACAGTGTTGTGGTTTGTGGTAG CTGTAGGGGTTCTCCCTTGGGAAAGAAGAGTGGTCTTCTCTA GTATTGAATAGAGCTTTATATTTTCCCTCCGTTCTGAGGAGAG TCTGGTGAGTTAACTCTGTGAAGTGCTCAAGCTGAAAATGTG AGCAAATTTCTGGAGGGAACAAGGGAGGGAAAAATAAAATGCC AAGGGGACTTTATACTGCATTGCTTTAGAACTGAATCCTGGT GAATCTCAAATAAATTATGCTGAGTAAAAGAATCCATATAGT GTATGATGTAAAATTCTAGAAAATGGAGACAGAACTGTAGTG ACAGTGGTTGGCTGGGAATATGGAGAGGGGAGGATGGGCTTA TAAAGGAGCAGGAGGAAGCTTTTATAATATGCCCACTGTTTT GATTGGGATGATGTTTCACAAATGTATGCATGTTTCATCATT CATCAAATTGTACATTTCTTTTGGCTGTACCACGTGGCTTGC AGGATCTTAATCCCCACCAGGATTGAACCTGGGCCCTCAG CAGTGAANAATGTGGAGTCCTAATCACTGGACTGCCAGAGAAT</p> |
| MSTRG.40310.2 | 0.61 | 0.08 | 0.01644 | -2.59 | down | <p>GTGCCGGCTCGGGCGGCGCCGCGGGGAGGCCGCGCACCT GTCCCTGCCCCTCTGCGCCGCCGCGCCGCTCGGCCGCGCG CACCGCCGCAAACCCGCGCCCGAGCGCAGAGCGCGCCGCG AACATGACTTCTGCCCTCAAGCTGGATTTCTCCCGGACATG ATGGTCGAGGGCCGCTGCTAGTTCCCGACAGAATGTGAGTG TGGCCGCCCGCCGCTCCGGGACGCTGGTCCGGAGCTCCGC GGAGGGAGAGGGCGGGCGGCGGCTCCTGCGCCCTGGGGAC GCGGGGGCGGCTCCGGTTCGGCCGCGCCCTGGGGTTCCGGAG CCGGCGCTGGATGCGGGGAGAGTAACGGCACAGCCAACAAGA TGAACGGCGCTTTGGATCAC</p> |

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|----------------|------|------|---------|-------|------|--|
| MSTRG.222581.1 | 0.49 | 0.08 | 0.01237 | -2.64 | down | <p>CCCGTGTGCACAGCCCAGAGGCGAGTTTTTACACCATTTCTC GCCAACAAATGGTATCTTTGCTCTCTGAGTGTGATCACAGGA CTGGGAGCCGGGGTGACGACCGGAATTAATAATGAGGAGAGGA TAATCCAATTTATTGAGCATTTATTATGTGCCAGGTACTGTG AGAGAATTCAAACAAGCTCCTCTCCCTTCTGAGAAATGAAAG AGTAACTCCTAACCCCTAAGGCAGAGAAGAAAATGAGACGTTT GACGAGAAGTATGTAACAACCACTGCCACCATAACATAATTGG ATGTTCTTTGTAGCAGGAAATAAGACTTGAAAATCTTAAAAT GGAAACATCTTGAGCTTCTTGTGGTCTGATTCATTCCTCATA TAGACGAGTACAATGAGAGCCAGAGAGATGGAGTAAACTCCT TGAGATCATGAAACTGGAGTCAAGACCTCACAGCTATGTTTG ATTGCTGGGAGAAATGTCAATAACCTCAGATACGCAGATGAT ACCAGCCTTATGGCAGAAAGTGAAGAGCCTCTTGATGAAGAT GAAAGAGGAGAGTGACAAAAGCTGGCTTAAAACCTCAACATTCA AAAAAATAAGATCATGGCATGCGGTCCCATTACTTCATGGCA AAAAGATGGAGAAACAATGGAAATGGTAACAGACTTTATTTT CTTGGGCTCCAAAATCACTGCAGATGATGACTTCAGCCATGA AATTAAGAGATGCTTACTCTTTGGAAGAAAATCTATGACCAA CCTAGACAGCATATTAAGAGCAGAGACATTACTTTATGATA AATGTCCATATAGTTAAAGCTATGGTTTTTCCAGTAGTCATT TATGAATGTGAGAGTTGGACCATAAAGAAAAGCTGAGACCAA AGAACGGATGCTTTTGAACCTGTGGTGTGGAGAAGACTCTTG AGAGTCACTTGGACTACAAGAAGATCAAACCAATAAATCCTA AATGAAATGAATCCTGAATATTATTGGAAAGACTGATGCTG AAGCTGAAACTCCAGTACTTTGGCCACCTGGTGTGAAGAGTC</p> |
| MSTRG.1284.17 | 0.19 | 0.03 | 0.0345 | -2.65 | down | <p>CTTAAAGCCTGAGCTCAGAGAGTTACCCGAAAAGTGATTTGA GTATTTATTGAACTGAAAGAACAATTACCTACTTCAGGCCG TGGGAAGCGTATGGAAATTATATTAGAACTTCAGCAAAGTGC ACAGCCGCATAATACAGAAGCCGAGACTCAGATTGACAGGCA AATAAGCCAGCTCGTGAAGGGGCTCTGGGTGGCAGCTCTG GGCTATTGGGTGTTGGACAACCATAGGCAAACCTGAAATGGAA CAGGGGCAGAAAATAGCACACTTTAACGCTGCGCAACCGTTG CTTTCTCATGGTCATTAGGAATTTTGTGGGATAATCCTCCA AATGAATTAGAAGCATTCTATTCAAATGGTTATTTATCATT AAATGGCATTGTAAGTGATGACTCAGAAGTTAACAGAGTTT GTGGCCGCTTTTGGAGAAAGAAAACCTCTGATGTCAAGTTCTG AAAAGTGAAGAGAATGAAATACAGAATATGGAACACTATCAT CTATCATTCTGGAATTCCTTCTCCCTACAGTCTATGTGGTGT TTCTAGCATGCAGCTCCTTCTCTCCAGGCTTTTGCTTATGCT GACCTCTTTGTCTGGAGGCTTACTCTTACCCCAACTTTTC GTCAATTCCAATCCAGTTCATTCTTACCTGTCCTTGTAGAG CCAACCTAGTCCACACCCTCAACCTGACTCCAATGGGAGATG ATGACTTTAATACATGTCTGTAAATATCCTGTGCATTTTTCT ATTAAGCCTGCCAGACTCTTCTGTCCATGGGATTTCCCAGGC AAGGATACCGGAGTGGGTTGGCTTTCCCTTCTTCCAGGATC CTCCTGACCCACGGATTGTACTTGCATCTCCTGCATCGACAG GATATCCTTGAAGATTAGTCAGAGAGCCTTATGTGCCTCT AAAGGGAAAAACTTAAAGTGGATATGAGAAGTGAAGAAAGTG ATCATAGGAGAAAATCATCTCAGGTAATAACTAAAAATCAAAA GAGCAATTAATATTTAATATTTTTTAAAGAAAAATAATTTTG</p> |

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| MSTRG.157095.1 | 0.63 | 0.1 | 0.00675 | -2.7 | down | <p>CTTCCGGGTGTGTCAGCCGCCCTTCCCCACCGTCGCCGGCG GGAACCGCCCCGTCTTCTCCGCCAGCAGCTTCCGCCTGCCGCA GTACCGGCACGCGCTCTGGGGTCCCCCCCTTCCCAGGGATA GTGACCGGGCGAGCGCGCCTCGCGGTACCGAAGACATCTG AGCACGGGCCAGGGCTTCGGCACCAGAAGCGGGTTGTGATGG TGCTGGAGAAGACCCTTGAGAGTCCCTTGACAGCAAGATCA AACCAGTCAATCCTAAAGGAAATCAACCGTGAATATTAAGT GAAGGACTATGCTGAAGCTCCAATATTTGGCCACCTGATGT GAAGAGCTTACTCATTGGAAAAGACCTTGATGCTAGGAAAGA TTAAGGGCAGGAGGAAAGGGGGTAACAGAAGATGAGATAGT TGGATGGCATCACCAACTCAATGGACATGAGTTTGAGAACT CCAGGAGATGGTGAAGGACAGGGAAGCCTGGCATACTGCAGT TCATAGAATTGCAAGTAGTCAGATACAGCTTAGCGACTGAAA ACAATGGTGACCTCCAAGAGGGCTCACACTAAGGGGCACTT CCTGGGACTGCTGCTGCTAGTGCCCCATCCCTGCAGCGAGC CACTGCTGACCCAGACTCCGAGGAGTTCATCGAACACTAG ATGGTTGGTCTGGTTCAGTCTCCTGTGGGGTCACTGCTCCTT TCCTCTCAGTCTGGCGCACACAAGATTTGTTTGTGCCCTC CAAGTGTGAAGTCTCTATTTCTCTCAGTCTATGGAAGTCT GCAATCAAATCCTGTTGGCCTTACAGTCAGAATCCCTGGGG ATTCTAGTCCCTTTGCTGGATCCCCAGGCTAGGACACTCAG AACCATCACAAGAGTGGGAGAACTTCTTTGATATTAGTGTTC TCCAGTTTGTGGGTGCTGCTAGGCGGGTATGGGATTTAAC TTTATCGTGATTGTGCCCTCCCCCACCATCTCGTTGTAGCT TCTCCTTTGTCTTTAGATGTGGGATATCTTTTTTTGGTGGGT</p> |
| MSTRG.90432.3 | 0.13 | 0.02 | 0.02659 | -2.72 | down | <p>CTGCAGCTCAGTCTTTTGTAGTCAAACCAATTCCTACCCTCT CTGCAGAAGTTGATGATGCACAAGATTATCACAGGCAGTCTG TCTTCCAGCGACAACCAGCCATGGGCAGCCTTCTACCTGGTG GGACAGATTTCAAGGCCTGCTGTTCTGCTAAATGCTGAAACA GCGTCTGGGGTGCCACCCGTTTCAGCGCACTCTGTGACATGG TGACAGCGTCTCCTCGTCTGCAGAACTTTCCTCAAGAACGGA CCAAGGACAAGGGCGGACAGAGCTTGAAAGACGTGAACGCTG TACCCCTCCAGGAGGAATCTCCATAATTCTCCAGTTCTAGG GAACAACAGAGTCACCTACTGACACAGTGGGTGTTTTGGTCA ATTTTTGTCCCTCCAGCGAAAAATTCATGTGTCAGAAGTCCA GTGGTTAAGATTCCCACTTCTAATGCAGGAGGCATGGGTCC GATCCCTGATTGGGGTGTGCAGGTGAGTGGGTGGGTTGGTTG GTGGGTAGATGGGTCAGATGGGGGTGGGGGATTGGATTAGT GGGTAATAGGGTGGGTGGTGGGTAATACATGGATGGATGG CTAGAGACAGAGAGATACAGATAGATACCCAAAACCTCAGGTT ACAAAGGAAGGAAAGGGGATTAAGAAAGGAAAGACCCCTA AGTCAAGCTTGACAGTCATCACAGAGAACAAAATAAAGGCAG AAGGAGTGTCCCCTACCAAGATCAGTGAACCCCTGCTTT ATTTCTAGGTCCCAACAGAATTGCTATAACCCACGAAGCCC AAATCAGTTCTAAGTAGGAGGGGAAGTGGGAGGCTGTGGGG ATTGGGTCATGTGCCTTTTTCTGGAAGAAGGAGTGTACCC TGGAGCCTAGCACCCCTCCGAGAGGTCTGCTGACCAGCCGA GGGCAGCCGCTTGCTGGGGACGTCGCTGGAACACCAC TGGCCGGTTGCCGTGGGTTCCAGGAGTCCGAGTGCACAGAGGT TGCCTTGGGGATGCTGGAAGAGGCAGCATTCTGCCAGCCC</p> |

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|----------------|------|------|---------|-------|------|---|
| MSTRG.92495.1 | 0.3 | 0.04 | 0.01559 | -2.8 | down | <p>CAGCTATATGAGGCAAGAGGACAATTCTAGTGACAGTATTT CATTGTGGCCAGAAGCAGAAGTCCCAGGTATCTTTTTACAAA AGGTCCCAGAAGCTACAGCCTGGGTTTTATCAAACAAACCA GTCAAAAGTGGGCCAAAACCTAAATGGACATGGATCCCAAA GAAGACATATAGAACCACAAAAGCACATGAAAAGATATTCAA CATCACTAATTACTAGAGAAAATGCAAATCAAAACTACAATAA TGGTTGCCTCACGCCAGTGAGAATGGCCATCATCAAAAATTG TACAAGCAGTAAATGCTAGAGAGGGTGTGGAGAAAAGTGAAC GCTCTTATGCTGTTGATGGTAATGTAATTTGGTACAATCATA GTAGAGAATATCATGGAGTTTCCTTACAAAACAAAAATAGA ACTACCCTATGATCCAGCAGTCTACTCTTGGGCATATATTC AGAGAAAATATGATTCAAAAATATACATGTACCCCAATGTT TATTGCAGCATTATTTACAATAGCCAAGACATGGATGCAACC TAAACGTCCATTGACAGAGGAATGGGTAAGGAAGATGTGGCA CATACATACAATGGGATATTACCCGGCCATAAAAGGAATGAC ATAATGCCATCTTCAGCAACATGCCTGGACCTAGAGATACCA TATTAAGTGAAGTAAGTCATATGGAGAAAGACAAATATCATG TGATTGGTGAATCTAAAGAGAACGATATGAATGAACTTATT TACAAAACAGAAAAGACTGACAGGCTTAGGAAACAATTTAT GTTTACCAAAGGAGGAAAAGTGAGGAAGAGGGATAATTTAGGA ATTTGGGTTAACACAGACACACTACTATATATAAAATAGATA ATTACCAAGGACCTACTGTATAGAATAGTGAACTCCATTGAG TACTCTGTATTGACCTACAAGGAAAAGACTGAAAAGAATG GGTGTGTGTATATATATAACTGAAATTACTTTGCTGTA CACGTGAAACTAACACAGCACCGTGAATCAACTATGCACGTG</p> |
| MSTRG.163926.5 | 0.14 | 0.02 | 0.01598 | -2.81 | down | <p>AGAGGATCAAAAATGCTATAAAGTTATCCTCTGAAAATATCA ATAAAATGTTTATCTACTAATCAATGAAATGAATCAAGAAA AATCCTACCAACAACTAATAACAGCAAAAATAATAGTGATGTC TCTTCAGATCATAAAATCAGAGGGTGTGTTTGACAATAAATTT GAAATTTTAGATGAAAATAGGCAAAACCTCTATAAAAATATAA CTTATTAAACTGATGTAAGAAAAGTTTTAGTCTGAATAAA TCTATAATATTAGAAAAAAATGTTTTAATGCCTCTGAGCT GCTGATGCTTTGTGGAGGGTGTGTCATCCAGGGGACAGAC CGCCAGGGCGTGATCACCGTAATTGTTACAGAAAATCCTG TGCTCCACGGAATGCTAATTCTCTGCACTCCTGGCTTAAATC CTGCCGTTGACAATAATCTTTTTGAATTGCTATTGAGGGAA AGCAATTTAAGCCAGAAAACAAGAGTAACCTTTCTTCCAAC CCCTTGCCAAGCAGGCTGTCCATTCTCGTGGTTAATTTTCCT TTACAGTGTGTTTTAAACAACCTGTCATTTAAAGTGAAAAAA AGTAAAAATTGGAAGGAAGGAAGAACTGGGGGAAGAAAAGCA GTGCTGGGGTGGTGAGTGTGACAAGTGAAGTGAGGGTGG TGGGTGTGGCAGGTGTGGAGTGTGCTTCTGACCAGAGCCTT TCCATACCCATCTCTGCAGGATAAGGTGGAGCAGACACCTCC TCAGCGTCTGGGGAGCTGGCAGGACCTGGCTTCCAGCGCC GCCCCACCGGCTGGCGAGCCACCAAGGTAAGGATGAGCCGAG CGCTCCCCTGACCCAGGCTGTGATTCCCGTTATATTGTGCAG CGGTGCTCAGCATCGCAGTCTTAGGAATCCATTCTGGCACT GACGTAAGAAGTTGCTGGTCTCAGCTCCACTTTACCCCTTTA AGGAAAACACATTTTGTAAAAGAGAGGTAAGTGGTTATATGT TCATAGAGTTTTCTTCAATGAGCCGACTCCAGTGATTGAAA</p> |

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| MSTRG.84611.2 | 1.7 | 0.21 | 0.04659 | -2.84 | down | <p>TGAGTACACGGAGAGTTGGTGGGAAGAGGATCTTAAAAGCCA AAGTCATACAGCTGCACAGAAGGGGAGAGGCAGAAAAGTGA GTTACAGAGGAGCTTCTAATTTCTCAAAGGCTGACATCCTA ACACAATAATCCATGCTGATCAACCAAACATTTCTAAAGTA TGAAGGATTTTTTTTTTTGGCTGCTGTCTGATCCCTGAACAGA AATCGTACTGGGGCCTCCTGCAGTGGAAAGCTCGGAGTCTTAA CCATAGGACCACCAGGGAAGACCAGGTCATTACAGAGTACTG AGAAGAGTTTCTGTGCTATAACAATCCACATGTAAGTGTG GATTTCTTACACTGTTTACAATACAGCCAGGTTGCAGTTTTC TTGATGGTGGATTCTTACCCTGTGCCAAGTGGGAAGCCCT GGCTGCATTAGGGGAAAAGTGAAAGTGAAAGTGAAGTCGCTC AGTCATGTCCAACCTTTGCAACCCCATGGATTGTAGCCAC CAGGCTCCTCCATCCATGGGCTTCTCCAGGCAAGAGTACTGG AGTGGGTTGCCATTTCTTCTCCAGGGATCTTCCCAGCCCA GGGATCGAACCCAGGTCCTGCATTGTAGGTACACACTTTA CCATCTGAGCCACCAGGGAAGTCTTTAGCGGGAGTTTCTAA AAAGACAACATGACAAGAAGACATCTTTGGGACCAGTTCTTA GAATTTGAAAACATGTTGATATTCTGGTCTAATGCAAAAC CTGTTTCACATAGCTCTAAGAGGTATAAAGAAGCTCTCCAAG GCATGGAGGATCAAGGATTCATCAACTCCTGTTGCTGTCTAC ATCAATCTCAGATTCAACAAGAATTCAGTGGCTTTTGATCAA GGCCCCATTACTCATGCTCTGAGTTTTGAGAGCTTTTGGGTC CTCCTAAAAACCCAGTGGGGGCTTCTATGCTTGGCACTCCT TAAGCTCTTCAACTGTTACAGTAAAGGACTCAATAACCTCAA GGCTACTCAACTGTTAACTGAGTGAAAGTGCCAACCTCTTAG</p> |
| MSTRG.90432.6 | 0.14 | 0.02 | 0.03721 | -2.86 | down | <p>TTTTGAGTCAAACCAATTCCTACCCTCTCTGCAGAAGTTGA TGATGCACAAGATTATCACAGGCAGTCTGTCTTCCAGCGACA ACCAGCCATGGGCAGCCTTCTACCTGGTGGGACAGATTTCAA GGCCTGCTGTTCTGCTAAATGCTGAAACAGCGTCTGGGGTGC CCACCCGTTTCAGCGCACTCTGTGACATGGTGACAGCGTCTCC TCGTCTGCAGAACTTCTCAAGAACGGACCAAGGACAAGGG CGGACAGAGCTTGAAAGACGTGAACGCTGTACCCCTCCAGGA GGAATCTCCATAATTTCTCCAGTTCTAGGGAACAACAGAGTC ACCTACTGACACAGTGGGTGTTTTGGTCAATTTTTGTCCCTC CAGCGAAAAATTCATGTGTCAGAAGTCCAGTGGTTAAGATTC CCCATTCTAATGCAGGAGGCATGGGTCGGATCCCTGATTGG GGTGTGCAGGTCCCAACAGAATTGCTATAACCCACGAAGCC CAAATCAGTTCCTAAGTAGGAGGGGAAGTGGGAGGCTGTGGG GATTGGGTCATGTGCCTTTTTCTGGAAGAAGGGAGTGTACC CTGGAGCCTAGCACCTCCGGAGAGGTCCTGCTGACCAGCCG AGGGCAGCCGCTTGCTGGGGACGTCGCTGGAACCACCA CTGGCCGTTGCCGTGGGTTTCAGGAGTCCGAGTGCACAGAGG TTGCCTTGGGGATGCTGGAAGAGGCAGCATTCTGGCCAGCC CAGGTGAGCAGAGAATACTAGCGGAATAAAGAGCAGACTCGC CAGGCCACGGGAGAGGGCTGAAAATTAATCAGCAGCTGC TCTATTTGTCTGTAAGAGGAGCAGTCGGTCTCCACCAGCTCC CACCCGCGGATGGCTGGGATAAAGGGAGTGGGGTGGGAAAG TCCTTACTGCAGCCTCATCAGATCCAGTAACTCATGCTTGA GTAAGTCAAGAGCTTACTGGGATGACGTGGGTAAGTGCAGACG TGGAGGTTTCATGTTATGATGAGCCTGGGAGTGAAGTGAAGAG</p> |

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| MSTRG.156627.7 | 0.91 | 0.13 | 0.02554 | -2.9 | down | <p>GTCATCACATGGTGGAGGCAGAGAGCTCTGGGGTCTCTTCCT CTTCTTATAAGAGCACCAGCCCTATCAGATTAGAGCTCTACC CTTATGCCCTCATTTAACCTTTATCACTCCTCACAGGGTCTG TCTCTAAATACAGTCACACTGGGTGCTGAGCCTTCAACATAT GAATTTTTGGGAGAACACCAACATCCAATTCATAACACCATT AAAAAGGAGGAGAAAATATTTTTATTGGGTCAATTTCCCTGG GGCTGAATCTATTAGATCTACACAGGAGAGCATTGAGAGAGC TAATTGGAAAGATTGCTAAGCTTGCTGCAAGAAGCCAGAGAG GGGCATTTTATTTCTCACTTGGATGCTTGCTGAGCCGCAGAA CACAGTACCCTGACTGCCTCTGGACTTGAGTGCATGAAGCAA GCATCCGTGTCTGGGAGACCCAGTGA AAAATGAACTTTAGGGC AACTACTGGCTGTCAGCAGGCAAGAAACGGAGGCCCCAGTC CAGCAGGACAGAGATCGCTGACTCCTGCTAGCAAGCATATGA AGCTGGGAGCAGATCCCTCTCCAGTTGAGCTTTCAGATGAGA TGCTGGAAACCTCGATTGAAGCTTCATGAGAGACCCGAAGC AGAGGACCTGGTGAGCTATAACCAGGTTGTGCGAGATGGTAC ATGTGTGTTGTTGTTAGCCACTAAATGTGTGCTAATTTGTTA TACACAATAGGTAACGAATATGCAGTTTTGTGTTTTGCTTA CATCACTCCCCTCTTCACAGGACTGCAGTATAAGTCCCTGGA GATTGTTCTCAGAAATAAATAACTGACAATCACCCTCTG TGCTCAGAATTGTCCTTCTCCTTCCACCAAAGGTCTGTTACC TGATCAGCTTTGTTGTGCTTGATTTCTCTGGGAAAAGTTCTC TCTCAGGTGACCTTAGCTCCTCACACAAAGGGAGCTTTGTGG GGCCTGCCTATGTGGTTCCCCAGATAAGCCTGAATACTCTTA AATCCAGCAATGGTGCAGCTTGGCCATAAGCTAAGAGCTCAC</p> |
| MSTRG.168210.5 | 0.39 | 0.04 | 0.01912 | -2.9 | down | <p>TGGCACTATAAAAACGGCTCTACAAAACCAAAACACTTCTTGT AATTTTATTGCAGATCACTATCTTGCTCCTCACCTTCATCTT TTTGTGACCTCACTTCCCTCTTGACTTTGAGGAACTAGCA GCTAGCAGATTGCTGTTCTACTTCTGATACCTTCAGGGGTCC ACTATTCATCTTGCCTCCCATCACCTCCTGTGCATAATTCAT GGAAACTATTTGTTCTGCTGTGTTCCGGCCACACTACACTGG AGAAACTCACTGTCCTTTTATTACCATGCTGTGAAGAAGC CTAAAGTAGCCTACTGTAGATGAAAGTCTATCCATGATGGGA GAGTAGAGGTTACCCACTGACAACCAGAACCATGTTCCAGAG GCCATCTGGGACCTACAGATTAGAGTACATCATGCAGAATA CCAGGCTGGATAAATACAAGCTGGAATCAAGTTTGCCGGGA GATATATCAATAACCTCGGATATTCAGATGACACCACCTTTA TGGCAGAAAGTGAAGAGGAACTAAAGAGCCTCTTGATGAAAG TGAAAGAGGAGAGTGAAAAAGTTGGCTTAAAACCAACATTC AGAAACTAAGTTCATGGCATCCGGTCCCATCACTTCATTGCA AATAGACGGGGAAATAATGGAAACTGTGAGAGACTTTGTTTT GGGGGGCTCAAAGTCACTGCAGATGGTGATTGCAGTTATGA AATTAAGGATGCTTGCTCCTTGAAGAAAAGCAATAACCAA CCTAGACAGCATATTA AAAAGCAGAGACATTACTTTGCCAAC AAAAGTCCATCTAGTTAAAGTTATGGTTTTTCCAGTAGTCAT GTATGGATGTGAGAGTTGAACCATGAAGAAATCTGAGCGCCG AAGAATTGGTGCTTTTGAAGTGCAGTGTGGAGAGGACTCCT GAGAGTCCCTTGGACTGCAAGGAGATTCAACCAGTCCATCCT AAAGGAAATAAGTCCCTGAATATTCATTGGGAGGACTGATGCC AAAGCTGAAGCTCCAAATTTTTGGCCACCCGATGAAAACAAC</p> |

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| MSTRG.215732.3 | 0.21 | 0.02 | 0.00678 | -2.9 | down | <p>CAGGAAGAGAAGGGGACGACAGAGGATGAGATGGCTGGATGG CATCACCGACTCAACGGACGTGAGTTTGTAGTGAAGTCCAGGA GTTGGTGAAGGACAAGGAAGACTGGCGTGTGCAGTCCATGG GGTTGCAGAGATTCAGACATGACTGAGTACTGAACCGAAGT GAATTAGTGGATATTTCCCTCGGTAGAATATTATGCATCCAGT AAAAGCCACAAAGACTACTTCAAGGCATGGCAGAATGTGTCT GCATAAATCCTGATTTTTTTGAGGGTCCACGTGACTTGAGAG CTTCAGGGTAATGGAGCAACAGCTGTCAGACAATTTTGCATG TTTTATACAGCTCATAGCATGTGGCAGGGGAGACTGAGAAAAG GGGTCAAGGGGGTCTTTGAGAAGGGAAAGCTTTTTTTTTTTT TTTGGCCTGGATTTTCACTGGTTTGTATTAAAGACTGAGGGC AGGAGGAGAAGAGCGACGGAAGATGAGATGGTTAGATGGCAC CAATGACTCAATGGACGTGAGTTTGTAGCAACTCCAGGAGGTA ATGAAGGGCAGGGAAGCCTGGCTGCTGCAGTCTGTGGGGCTG CAGAGAGTTAGATGTAAGTTAGCAACTGAACAAGAGTTCATT AGAAGTGCTTGTAGCCTGAGAGTTACATGAAGTCTACAGAGA TTCAAAAGTACCTAGGTTTGAATCCAGCTCCACCTCTTATTT AGGGGCTTCCCACGTGACTCAGTGGTAAAAGACTCCTCCTGC CAATGCAGAAAATGAAGGAGAAGCATGTTTCGATCCCTGGGTC CGGGAGGTCCCCTGGAGGTGAAAATGGCAATCACTCCAATTT TCTTGCCTGGAAAATCCCATGGACAGAGGAGCCTGGCTAGCT GTGGTCCAGCGGGTGGCAAAGAGTCAGACACAAGTGGGCACA CACACACACACACACACACACACACATCACCTTTTATTAG CCATGTGATTTCTGACTCTCAGTTACTACAGCTGTGAAATGG GAATGGTACCCTCTGTGACAGGGCGATTGAGAGAATGCCGTT</p> |
| MSTRG.98647.1 | 0.12 | 0.02 | 0.01163 | -2.93 | down | <p>TGGTCATGTATGGATGTGAGAGCTGGACTGTGAAGAAAGCTG AGCACCGAAGAATTGATGCTTTTGAAGTGAAGTTTGGAGAA GACTCTTGAGAGTCCCTGGACTGCATGGAGATCCAACAGT CCATTCTGAAGGAGATCAGCCCTGGGATTTCTTTGGAGGGAA TGATGCTGAAGCTGAAACTCCAGTACTTTGGCCACCCTTGGC AACTTTTCTATTAGAACTGTAACACATATTTGTTCCAAGTT CATTCCTTTCCCTTGCTACAATCTGTATCACAGACAATTGAT CTCTTCAAGGCTGTACCCTTTGCTCTGACATGGTTTGGAAAT GTGTCACATCAGTAATCAGACTCCAATCATCCCAGCTCTTCG ATGCTCTTGCTATTAGTGCATGTGCTCTTTGATCAAAAACATT AATCAGTTCTCTCAATTCATCAGCCAACCTGACCTTCCTT CCTTCTTCTCTAGAGTCAAGATTCTGTGATGCATTATCTAGT CCCGTGGTACTCAAATGCTCTGTGGCCAGCAGCATGGGCATT GTCTGGGAGCTTGTAGACATGCAGACTCTGAGGGCTCACCA GACTGGCATTTTAGAATCATCTTAACAAGATTCTAATGATT CGTATGCAGATAAGGTGGGATTCCCTGGTGATTTAGACGGTA AAGAATCTGCCTGCAATGTAGGAGACCCAGTTGGATCCCTG GATCTGGAAGTCCCCTGGAGAAGAAAATGGCTACCTACTCC AGTATGCTTCCCCTGGAGAATCCCATAGAGGAGCCTGGCAGGC TGCAGTCCATGGGGTCACAAAGATTTAGTACTAAAAATAAC AACTCTCTGAATTCAGTATTCCTAGTACTGAACTCAGTTATC TACAAATACAGATAGAAAACCATAGGTCATAGGAGAACTTGG ACACGCTTGAATTTGTGGAATAAGGGAAAAGACTAGTTGGAA GGTGAACAGGAATATTTAAAAATATTTCCCTTGAATCAGTTG TCTCTTCCCCATCTTCTTACCAGACTGAGTTGTCAGGGTG</p> |

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|---------------|------|------|---------|-------|------|---|
| MSTRG.34779.2 | 0.16 | 0.02 | 0.01222 | -2.94 | down | <p>CAGAAATCAGCCCCCACTAGCGCCGCCGGGGCTTCCGCC CGAGGCCTGACGGTCGCCGTTCCGGTTCTAACCCCGC CCTCAGCGGTAACCCTCCAGAAGTCTTAATATCCGGGACCA GAGGCTGGCGCCAGCGCGCACTTCCGGCGACGACGCAGAGG AAAGAATCTGGTGACGTTCTTCCCTTCTACCGTGCCGCCA GGCTCCGGCTCTCGGTGCGGCAGCGCCATCTGGTGCTGAGTC TCTCGTGCCCGCAGAGGGGGCGCGCCCTTCTCCCGAAT CTTCCAGAGAAAATGTGGCCTGGGCTTTCGTCCTCGCCCTC GGAAAGGGAGAGACCCGAGCTTTCGCCCTGCCGAGTTCTCAC GCAGGAGGTACTTTGTAGGACTTCGCAGCGGAAGCGACTTGG ACACAGGAAGAAGACAACCTTTTATGAACGTGGAAGAGAGCC CTCACCAAGAACCAAGCTGCTGGTGCCTTGATCTTGGACTT CCAGCGTTCAGAACTATGCTGCCAGTGAGACTGATCCTCAA TCATAGCTTGAGAAGCAAGATTCTAAAGCTGTGCTTCCCAGT ATGGAAACCTTTAACTACATATGGCTGTCAAGCATTTGCAGT GTGCTAGTCTGAAGTGATCACTTTCGCGTGTGTGCTCAGT CATGTCCGACTGTTTGCAGCCGATGTACTAAAGACCCCCAG GCTCCTCTGTCCATGGAATTTTCCAGGCAGATTCTTTACCAC TGAGCCATCAGGGAAAACCCAGTCTGAACTGAGATATGCAGCA AATGTACACACTGGATTTTGAAGACTTAGTCTAAAACAATGG TTAACTGCTGGCAGGCCCTCCAGCTGAGCTCCTCATCCTC CACTGTGCAGGGTTACTGAAGCAAGAGCAAGCTTCCCTCA GTCCCCGGAACAGGAGCCAAGTGTGACACAAATTGTGAACT TGTTTCTGGTTACCAGGAAAATTAAGAAATCCTAATCAAG CAAAAAATTGACAAAAATCTTTCCAACATTTGAACAAAAAAG</p> |
| MSTRG.546.1 | 0.9 | 0.12 | 0.00847 | -2.95 | down | <p>AGCTCAGAGAAGAGGCAGAGAGGGTTCTGACAGGTCAAATCT GGAGAATGTGAAGCCTGCAAGGCACATCATAATTGTAACACA ACTGCTTATTTTATACTCTGAAGTTTTTTCAGTTCCAAGTGAA ATCAATGGATAAATATTTTTTGAACCAAATATTTTTCAATG ACCATTTTAAAGAAATAGAATCATACTCATTTTGGGGGGTGT GGTCATAAAAAAGTTAAAGAACAACAGTGAAGAAAGGCGTTA ATCCTGTGGCAGAAAAGAACCCGATCTTCATTGTATCATGGG GGAGCTAACTGTGGTGGTGGACTCTTAAATTGTGGCTCATG GGCTTAGCTGCTCCACAGCATGTGGGATCCTAGTTCCCAGAG CCGGATGGAAGCTGAGTGCTCCGCATTGCAAGACAGCTTCT TAACCACTGAACACCTGAGAAGTCTCTGGATGGCAGTTTTTA AACAGCCACTCTGAAGATGGGGATTTTATTGTACCACTTTAC TTTTCCCTCCCTTCTGTCATAGAGTTAGGGAAGTCAACCAA ATCTGGCCTTCTGCTTGTGTTTTGTTAATAAAATTTCACTATA ACTTGTCCAATTGTTATGCTCAGTTTTTTGGGGTTTTGTGTA GTCTTGCTTTTGGAGCTATAGCTGTGAAATTAATAGTCTTGA CAGAGGCCATGTAGCCAATAAATAGTAAATATTTACTACT TGGCCTTCTTTCAGGAAATTTGTTGACTCCTGTTATTGTTAC TTTTATACTATTTATAATCTGCTTTGTAACCATAATTCACGT GCTTTCTGGTATCATTACATTTAAACGGATACAGAGCTCACC</p> |

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| MSTRG.43210.11 | 0.48 | 0.05 | 0.00344 | -3 | down | GGTTGTCAAGCACTGAGCTCCTGTGCAACTCTGGGAGGATCA CATCATTCCACTTACGGGGCCAGAACCATGCCCTAGGAAAAGA GGAGAGAGCATTTCAGTCTTCACTCTGCATCAGGGTATGAAAC TGTGCTCCCTGTAGATTACTTTGGGTCTGGGTCCCCTCCAG TTTCTGTCTCTTTTCCAGCTTGGCAGAAGAGGTGAGACTCGG CTGTCAAGATCACTGACTGTGCTGCTTTCCCTTTGTGGGTG ACTGCAGTTGCAAGTTTCTCTGTACATTTTATTAGTTAAG AGCTCTTCCCTGCTTCCAATAATACAGGACCCAGAGAAGTAT TTGAAGTGAAGGTCCTGAAGATGAGATGACTGAAAATTAAT GGAAGAGAATTGCTTTTCTACTGTGGGATACCTGCTTGGTGC CAGGTTGCTAAGAGGGATGCTCTGGAATTCACCCATTGCT ATAGAGGTTGGGTCCACCATATTGACTGTGCTCATGCCTAC CAAAATGAATAGGAGATTGGCCAGGTCATTCAAAGCAAGCTT GAAGATGGCACTGTGAAGAGAGAAGACATATTCTGCACTTCA |
| MSTRG.111347.2 | 0.39 | 0.05 | 0.00366 | -3 | down | TCTCAGCCCTGCTCATTCCCCTGTACTCTCTCTGGACCCT TTGCTGCAGCATATCTTACTGTGAAGGCCACATGGGTTATGA CAGACTCTGAGCTTTGATGATTCATAAACTCAGTTTTTAGAA AATCTGGTCTGTTCTAACCACCTCAGAAAAAAAAAAAAAGAT CAACAATAATGTCAGCTTATTCATATACAGTTTTGTCCATTT CCTGTGCTTTCTCTTTGTTCCAGGACACCCATCTCTGAAT TAGAACTCAAAGGAAGTTGGAGCAGTCATCAGAAGGTTGCTT GACAAGCCCATCAATACAGCAAAGAAAAGTGAATTGTCATAA ATGACATTTTATTCAGACCCATTTCTAACTCCTCTTCTTTT CAGTGAACAGAATTCTCCCCCTTACCAGTGAATCTGAAGAT CTGGGTTCAAGTGCAGACTCTGTTATTTATCATCACTGTGGT CATTGACAAGGCATTTAGCCCCTTACGCTCTTGTAAATGG TCATCACTGTTGGTTTTCTATCAAACTGCTTAAGGAGTAGC TGTCTCTATGGATAGGAGAGAAGACTGTGCAAGAAGTAAAGG GGAGCAAGAAGCTGTCACTATGCACTTCTGCACATGCCAGGA GGGCCTTCAGAAGAGCTCTGGAACAGAAAGAAAGAGGGAGAA GTAGAAATTTGAACAGCTCCTGCTGCAGAACTTACGATCTTT TTGCCCCGAGGCCTTCTACTGAAGAGATCCAGATAAGGGT GACCCATCAGAGAGGATCATCCATCTAGTTTACAGAAGCAAT TTCAGAGTGGGCCCTGGGTCTTGGACCCCGATGGAGGAAAT CCAGGTGTTGTCATGCTGGAGAGGATACTGGAATCGCTGA AGACATTTTTCCATCAGCCTGAGAATGGAGCCAACGACTGAG GATGGAGGAACATAAAAATGGAATCCTCACCAGACTGGGAAG GCAAGGAGAAGCACACCCTGACTGTGGCCACACCTATGGGG GCTATTGTTTCATGACAGCGCTTTGGCTCTTCCGCCATCCGT |

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| MSTRG.166870.1 | 0.29 | 0.03 | 0.0033 | -3.06 | down | AGCTTCCACACCGGCGGAGCTCCAGCTCTGCGCTCAGGCGCG ATAGCAGAGCCCCGGCCGAGAGGCTGCTCTGTGCTGGGCGAG CCTCCCCAAGCCCTGCCAGCTTCTAGCGTTCGCGCCCGTGA AGGAGCAGGCTGCGGGAGTGTGGGAGACGTGAGTGGTGCCTG ACTGGTGCCTCAGCTCAGCTCTCGCCTTCCCTTCGGACCTAG GAGCCAGGCGTCCTTGCAGAGGGCTTAGGGCTGGGGGTGTG CACACTGCCAAAGCCTCCCGCGGGGAGAGCTCTTCCGAGGG AAAGGAAGCGCCCCAGGCTGCATTCCCAAGCTGGGGCTTCCC CGCCCAGACTAAGCGCCGCACGGAGGGAATCAGGGTCCCGGG GCCCTGGCTTGGGGAGGCAGCTCCACAGCCAGAGTGTGCT CCGTTTGTGCCAGAAAAGCGCCTGCCAGACGGGCCTTCCCT GGAGCTGTCTGCCGCTAGAGGCAGGTGGATGTGCTGTGCG GGCTTCCCCTGTGCGTTTGGGCTCCCTAGCACAGCCGCAGCG CAGGGGAACCAGCCCATGATCAGTGAGCTCCGGGCAGTACTT TGGTCCCAGGTTTGGAGCCCTATGCCCCGAACGCGGGAGAGA AGAGGCTGGCTGCCGGCGGGTGTGCAAGCCTGTACTGGGA AGGACCGAGTGAGCTTCCACACCGGCGGAGCTCCAGCTCTGC GCCAGGCGCGATAGCACAGAGCCCCGGCCGAGAGGCTGCTC TGTGCTGGGCGAGCCTCCCCAAGCCCTGCCAGCTTCTAGCG TTCGCGCCCGGAAGGAGCAGGCTGCGGGAGTGTGGGAGCCG TGAGTGGTGCCTGACTGGTGCCTCAGCTCAGCTCTCGCCTTC CCTTCGGACCTAGGAGCCAGGCGTCCTTGCAGAGGGCTTAGG |
| MSTRG.194482.7 | 0.18 | 0.01 | 0.00526 | -3.12 | down | CAGCTCTTTAGCCTGGCTGTCAAAGTTTGATAACCAGCTTCA CGTCCTTCTCCGTGCAGCTCTGTGTGGTCACGGCAAAGTAT GAGGGCCAGAGCCACTGACAAGTTTACAAGCTGATCGACTGC AGGGTTAGTGGCGCAATCGCGAGACAGGGACGCAGGTGATGC TCCTGCTGTGTTAGGTAGGTAGATAGGTAGCGGTGACGTAC GTGTTACGTGTGAGATGAGTCTTGTTCCTTGCTGTGTGTG GTGTGACCCTGCAGCTGCCGCGCTGGCCGTTCTGTAAAAG CACGCACCGTCTTCAGGCTCTCAGCCGCACCGTGGTTTACGC AGAACGGCGGCCTTCTCTGACTGCACTCCGCATCCCTGTGAT GTGATGCTCGTCCCCATTCAATCCTGGCACCAAGCTGTCCCC ACGCTGGAGCGGGCCTCTGGACCTGCCCCCGGTGTAGTCCT CTGAGAGGAGCTCAAAACCGCAGGCGGGTCCAGTCATGTCAG AACCTCGTACGCCGCTGGTTTGGTGGCACTGTGAAGCGGCG TGAGCCGTGGCTCACTCCTCCAGGGGACCTGCTCTGGAATG GGCTTCGTGGTGCAGGTCCAAGCTGAAACTGCCTTTGCTA CACTCTTCATTGCGACATGCAGACAGCATGGGATTCTCTGGT ACTCGTTGTTCTCTGTGACATTTGCAATTCGCTCCGAGTGCA GCTGGTCCCAGGGCCGTAGAGAGGATGGTGTGCTGTGACTCGGC GATGGCCACTGGACGTCCCCAGTGGGCGTGTCTCACACGTGA TGTCAGCCTGAGCTGCTGTGGACAAGGGCATGTGCTGCTGTG GTTAAGTGGGCTGGACCCCTTTCCCCCTTTCGAGAACATA AAACCGAAAGTTGAACTGTGCCAGTGATTGTTTCTTGAATCC TCAAGTTTACTTGGTTTTGTTTTCTCTCCGTAGAGTTAGAGC TTTTCGTATCGTTTGGTTTTGTCTTTAATAATTATATTCTG TTTCATTTTTATTGAGCTAGTTAAAAGTGAATCAAAGCTAGT |

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| MSTRG.171301.2 | 0.27 | 0.03 | 0.00379 | -3.21 | down | GAAAGATTAAGGTAAGGAGGAGAGGGTGGCAGAGGAGGA GATGATTAGATAGCATCACCAACTCATTAGACATGAATTTGA GCAAATTCTGGGAGACAGTGAAGGACAGGGAAGCCTGGCATG CTGCAGTCCATGGGGCACAAGAGTCGGGACACTTCTTAGCAA CTGAACAACAACAGCAACCTATATTTACATAACCTGAAAGG TAAAATAAAAATGTCAGACATGACTTAGTGTCTAAACAACAG CAACTTACACTGTCTCAAAATATCCTATACCTTTTTATGATT CTTTAGTAGTTTCTCGATGTTATTATGTGATTATATGTTTCT CTCCTATCTGGTTGTAAGTCACTGATGATGTTGTGCTA ACACATTCTAAGTACTAGTTTTTATCTGCTTAGTAAATGAAT TAAAATTGAGAAAATAAGGCTGTCTGTGACTAGATTAAGTT ATGCTCTGAAATAGTGTCTAGAAGCCATGTTGATCATAACAG AGGACATTTTATTAATTTGACTCTCTTTGATGGTTGGTTTA TTTGTTGCATTTTGAACCTTTGTTTTCTCTGAGTCAGGTCCT TTATATGTTGGATAAAGATGCTAGTATCTACCTGACAGAGTT ATGGTAACCATTAATGGGATAAATACCGAATCTTATAAT ACAGCACTTTCCACATAATTGATGCTCAGTAAGTACAAGAA GATCCAACCAGTCCATCCTAAAGGAGATCAGTCTGAATATT CACTGGAAGGACTGGTGTGAAGCTGAACTCCAATCCTTTG GCCACCTGATGCGAAGAGCTGACTCATTGAAAAGACCCTGA TGCTGGGAAAGATTGAAGGCAGGAGGAGAAGGGGACGACAGA GGATGAGATGGTTGGATGGCATCACCGACTCAATGGACATGG GTTTGGGTAACCTCCGGGAGTTGGTGATGGACAGGGAGGTCT GGCATGCTGCGTTTCATGGGGTTGCAAAGAGTCAGACACAAC TGAGCAACTAACTGAACTGAAGTGTTAAGCTGATAATAAGC |
| MSTRG.226977.2 | 0.65 | 0.07 | 0.01421 | -3.25 | down | AGAGTATGTTTGTTCACCTTAGATACATGGGGAAAAGAATC ATAGCAAGGGTGCATGATGCCTGGCTGTCAAAACACTTTGGA GTAGACCGAAAATCACAACCATGCCAGCTCTCCGAAACAGA TCAGGAATAATGCAGGCCCGGCTTACAGCATCTTAGTAGCCTG GAAAGTTCATTTACACTTAATCACAGTTCTACAACAACCTGAA GCAAACATTTTCCATCAGGCACTTCTTGAAGGAAATACTGCT ATGGAAGTTTCCCTAACAGTATAGATACCATATCATTTTTCA CTCAGTGTTCAGGAGTCCATATGGGATGAAGAAGCACTGT GGGAAGAGTCCATTGGTAGCCAGCACGTTTTGGGTCTGCTTG ATAATCGAGTCCAAGCTCACTCTGCTTGCCACAAGACAGGTC AGTGAATCTGAAAAATGATGTGTTGAGGCAAGGAAAATACTT |

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| MSTRG.119476.4 | 0.27 | 0.03 | 0.00161 | -3.26 | down | TTTTGCTTGCCACAAAGCTCATCCTTCATTTGTGCACTGCCA GCGCAAGCTTGGATCGCGCAAACAATCACAACTCTTTTGGC TATAAGCTCTTTCCATTTGTCCCAGCTTCCAACTGCAGACG AGCTGTGGCAGAGTCTGTCACGGCTGCACATACTGGTTTCC GAGAATAACGCGGTAATGAGGACAGCTACCACTGGGAATGC CTCCCCCACCAACAGCCAGCCGAAATGAAGCTTCTAGTTGA TCCCTGGGCTTCTCACCTTCACAGCCTCAGAGAAGTGCCTTT CACAGAACAGGCAGGTTTACGAAGTCATTTAAATGAAAAC AGCAAAGACAGACTTCTTGTGCAGAGCAGAAGACCCTGAAGT CTTTTTCACTATGGACAACAGGAAAAAAAAAAGCTTCTGAATG AAAAGCAATAAGCTCTCTGAAGTGTAAAGTAACAGATTAAC CCCACAATCGTAAACCTGAGCTCAGCTCCTGTACCATCACAT ACTATTTATGGAATACTCACGATACTGCATGAAAAGAAGAAA TGCTTTCAAGAGACTGTTCTGCCCTGAAAAAGTCACTTTGG GATTTACCCTAAAACAACCCATCAAGGATGTCTGCATGATTA ATTAGACTCTTACCGAATAATCAGGTCAAATCTAAAGAAA CCAATATTTTGTGATCAAGAAAAATCTTTGTAAATTATTTA TGATCACAAGAGGGATGGGAGGTTATCAGCAGAAATTGCGAA ACAGTAAAGTGGTAAAAAAAAAAAAAAAAAGAAAAATTTAAGT GTCCTTTCAAGGGACTACCGGTGTGTCTATCAGATATTTT GGAGTTATCCGATAGTATAAATTCTGCGTCTTTGTCTCCGGC TAGGTTATTCTAAAACGTAGAGATGGAAATTACCTTGTGGA TAGTGCTGATGATGAGAAACAGGTCAATTCTGTCTGGTAGAG AATATAAACTTCCTTAAGTCCAATTCTATTTAATATCTTA CTGCTTCCTAATAATTGGTGAATTAGTGAGACAAATAAAATC |
| MSTRG.224424.1 | 0.24 | 0.02 | 0.00311 | -3.48 | down | CAGGCCTGGAGGGAGGGTGAGAAGTGGTGGCAGCCTGCACCT GAGAGCAAGAGGAGAGGGGAACCTAAGGTGGAGGTTGGGGA ACCGGTCTGCTATGGTGGGATTAGAGGCGATTGGAGGTGCA CTGTGGTCAGAAGGGTCAAAGAAGAGGAGGAAAAATCCGAA CAGGGATCAGGAGATATAGCACTGGGGGAAGTGGCCCAGGA TGGGCTAAAAGTATTTGAGAAGTAGAACAGGAAGTACAGAGA GAGGGCCAAGGTGGAAAGCGAAGAAAGCCTGAACATAAGGG ATCTCTGACCACTTGCCATTGCGGCGGCTGAAGTTATAGAGG TCCCATAAAGTACTGGAATGGAGAGTTCATTTTCTGGCCAT TGGAACCTAATGTCCAGTCGAGATTGTGGCCAGACAGTGTG GAGTGATAAGTGAGTCGCGTTGGCCTTATCTCTTCTGAAAA CCCAAGGTTTTTAGGTTTTGGAGAAGGCAGCCTAAAGGGATA GATTTTGTAGGTTGGGACTGAGAATTTCCGATTATAGACAAA TAGGGAGGGAGGGCAAACCTAGGGCGAGAGAAAAACGAGGAGA AAGGTCTCAGAGAAAAGGCACCCACTCTCATGGGTGCCGG GGTCCAGCCCCGGCTGATCCAGGGTATTTGAAGGACAGACGG CGTAGGCGACATATTTATTTAAATACTTATCAAAGATATAAA GAGTAATAGAATGAGGATAGCTCAGTAGGAAAATTCAGTGGGA GAAAAGAGGCTGAGTAGCTTGGTTTATGCAGGAGACCAATAA AACTTCAAGACAAGAAGTTTGCACTTACGTGGGCCATAG GCATCCTTCCGTTCTCCTGAAGGAGAGGAGACTGAGGCCT CCCAGTCGGATCTTAGAGGCCAGGCATAATTAGTAAGCAT GGTGGGTTCCGTGCTCCAGATGGAGACTCAGCCAGAATTTGA GAGAGAGAGCGACATGGGGAGACCAAGTTTCGGTGAACAAGG CCACACTTTATTTCAAAGTAGTTTTTATACCTTAAGTTG |

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| MSTRG.67346.1 | 0.33 | 0.02 | 0.00328 | -3.51 | down | <p>TATGACCAAATTTATTTTCAGGACAGTATAAATTCAGTTCCTC TTTCCCTCCAGAGTCTTCTAGCACTTTCAGATTCTAACACAC ATTTGCCATCTTTGTGGCAGTATAGAGACACCTTCAGAAT TTGGGGACATGGTCAGAAGGAGTCAGGAATTGAAGAATGCTA CTAGAACCCTCATAATACATCTGAGATTAACCACTTGCAGAT GTGACCTGTCTCAGTTTGGATGGCAGGTACTTGAGCTTGAAC TGCCAACAGAAAACGTCAAGTTATCATCAGACGTCTGATGGC CCTCTCTGAGAGTCCCTTTAGAGCAAAGGCCCTCTGTCTGG AAGTAAGTGCAAAGAACAAGGCCATCCACGGATGATTTTAA CCAAAGAGGAAAACACGAATACAAGCCTCTTCTTAAAGGAGAA ACATGGAACCAGAAATGAGTCTTCCTTTAAAGTCTGGGAAT TTTAATTTAGTAAAATAAGGAATCACAGAAAATTTGTCACT CAAGTAGCTGACTCTAATTATGTGAGCTTCAGACTATGCTAT ATTCCCTTCGCTGAACTCTTGTTTTGTGTGTCAGGCACAGTTCTC TCAGCACTGGAATGTAATGGAGACTCAAGCAGACAGGGTGTG TCTCCCCTTCAGAAGCACAGTCTAGAAGGTGGAAGACAATGA AGTAAGCAAATTAGTAAAGTTTCCCTAACACAGAACCAAAACA GAAAGGAACAGAAAGGAGGCTACGGGAGAAATCACGCTGCTAT TAACAATGGCTGATAACCGACAGCAATATAAAAGTGAAGC GTCTTAAACTGCACTTAAAGTGCAGTCAGTGTGAGTTGCCCA CATCATCATCAAAACACTATATGTAACAGTGATGCGGATTCA CTGAGAAAAGATAACCACGCTGCTGCTGCTGCTAAGTCGCTTC AGTCTGTCCGACTCTGTGCGACCCACAGACAGCAGCCCAC CAGGCTCCTCTGTCTTGGGATTCTCCAGGCAATAATACTGG AGTGGATTGCCATTTCTTCTCCAGAAGATATTATGCTCAGT</p> |
| MSTRG.37138.3 | 0.21 | 0.02 | 0.04164 | -3.54 | down | <p>GTGAAGTCAGACCGCTCAGCTGAGACTCCCAAGTTTCTGA CCCACAAAACACTGTGAGTGAAGTCTCAGCGTGGATGCAAATG AATGTGCTCAGAGGCTTTCTTCAGAGAAGAAAATCAGAAGAT CAGATCTTCATAGGGAGTTATAACCTTCACAAAATTTAAAGA AGTGAGGTGCTATTGTGAAAGAGCCTGCAGATTTTCCCTCCC TCCAGCTGTAAGTTAGTTAGTTGCTCAGTCGTGTCTGACTCT TTGTGACCCCGTGGAAATGTGGCCACCAGGCTTCTCTGTTCA TGGAATTCTCCAGGCAAGAATACTGGAGTGGGTAGCCATTCC CTTCTTCAGGAGCTCTTCCAGACCCAGGGACTGAACCTGAAT CTTCTGCACTGCAGACAGATTGTTTACCATCTGAGTCACCAA GAAGGCCCTTCAGCTGCGAGCACAGGAGCAAAGCCACAGAGA AGTTCATCAAATGGGATTGATTTTCTTCATGGGATTGAAATA ATCTGGTCTAAGTAAAAAATAGACTTTAAAAAATTGGATTT GAATCTAAAAGGGCAGAATCTGTGATGATCAAAATAACTGGC TTTATACTGGATGTTAGTGCTATGTAGCAATTATTCTTTAC TACTCTGATCCTTCTTGCTCTCGCTTTTATCTGCCATGCATT ACACTTTTGTAAATTAGGAGCTGATTAAGCCATGGTAGAATGT TTTTACTTTTTTCACTTCAAAAATTATTCTAGAATGTTTTTT CCCCATGCATATGTTTCACAAATAGCCTGATGACTTCTTTGG TATTGGTGTCCAGTGATCACACTGAACTCAACTAATGTGTA CTCCGTGGTGAAGAAGCAAAATTCCTATTGGTTAATTCAA TCCATATTATATTGTGATATTTGTGCCTTAAAAGGGTAAATT</p> |

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| MSTRG.69346.1 | 0.22 | 0.02 | 0.00564 | -3.58 | down | <p>TGAGCAAGTGGACACAGAAGTTCGAGCCTTAGGAAGGATGTC TGGGATGGAATCTGTATGGATTGGGAGTCACAGAGTTCGTG GGAGAAGGACACCAACACCCAGGTCAGCACGTTAGGGTGAGA GTAGAGACAGGGCCGTGGACAAGACTCTGGGGGCGTGATT TCTGCGGCAGAGATGACAGAAAGAAAAGAACAGTGATGATC AACAAAGTCCCTGTACAGCACAGGAACTATATTCTATAT CCTGTGATAAACACAAAGGCAAAGAACATGAAAAAGAGTAT ATAGTGTAACAGCGAGTTTGTGTACAGCAGAAATTAACAC AACATTGTAATCAGCCATACTTCAGTACATTTTCTTTAAAA GGAAAGAAAGGAGCCAGTGAAGGAGGAATCAGGTTAAAAGAG GGTGTTTTCAGGGAAGACATGGGAAGAGCGTTTCAAGGAGGA AGAAATAATTAGTGGCAAACGCAGGTTAAAGGATCTAGTTC TGCGCTTGCCAGCTCTGTGAGGTTGGGCAAAGTACTCGACA TCTCTGTGCTCACTTTCATCTTGCATAAAAGGCGCACACGC ATTGTAAGTGTCTCACAGGATTGTTACAGGAATTAATGGTG TAAAGTGTCTATAAAGTGCTTAGAACAGACCGTGGCAGCAGT AATTGCCACTGAATGATGACTTCACAGTAAGGTCAAAATGAT GACTTCACAGTAAGGTCAAAATGATGACTTCACAGTAAGGTG ACATAAAGGCCCTGAAGCCCTAGTGGACTTGGGAGGGGTTTA TTCATCCCTCTTAGGTCTGTGTCCCTACTGTGTTTTAGGCAT GTTAGATAGTTACTTTCAGTCAGTAAGTCGTGTTTACTCT GCGACCCATAAGCTGCAGCACGCCAGGCTTCCCTGTCCCTC ACTATCTCCAGAGTTTGTCTCACACTGATGCCATCGAGTCG GTGATGCCAGCAACCATCCCATCCTCTGTTGCCCTTCTC CTCTGCCTTCAGTCTTTCCAGCATCAGGGTCTTTTCCAGT</p> |
| MSTRG.221229.2 | 0.28 | 0.02 | 0.04475 | -3.58 | down | <p>CTCTTGCAAGCTATATTTGACACATGGATTGCTTTCATCTTG TTATTTTGTCTGTACAAATAATATTTATCCCTCAGGACAA GAAATCATCCATGTGGAATAAAGAACCCTTCTCAAGGTATT TAATCAGAAGATCTAAGAGAGACTTCAGGTGAGAAGATGGGA CTCAGACAAGGGATTCTTCAGTTGACTGAGCACTAGGTGGAG GGACCATGTGATAAGAAATGAGGCTTTCCTCTGGGAGTTGAA ACTGACCCCTGGCAGATAAGAAGAAAGGGGACAGGGACCTCT ATCCTAAGACCACAAGGAATCAAATTCGCCACAACACTACATC AGTCTGGAAGATAGTACATGCTGGATGATTATGGCTGACACC TTGAGTTTAGCCTTGACTGCAAGGAGATCCAACCAGTCCAT TCTGAAGGAGATCAGCCCTGGGATTTCTTTGGAAGGAATGAT GCTAAAGCTGAAACTCCAGTACTTTGGCCACCTCATGTGAAG AGTTGACTCATTGAAAAGACTCTGATGCTGGGAGGGATTGG GGCAGGAGGAGAAGGGGACGACAGAGGATGAGATGGCTGGA TGGCATCACTGACTTGATGGACGTGAGTCTGGGTGAACTCTG GGAGTTTGTGATGGACAGGGAAGCCTGGCGTGCTGTGATTCA TGTGGTCGCAAAGAGTCGGACACGACTGAGCTACTAATCTGA TCTGAGACTTGGAGCTGAGAACACAGTCGCATCACTCCAGA CTTTGACAAACAGAAACAATGAGTAAATAAATGAGCGTTATT TTAAGCTGCTTAGTTGTAGTCATTTGTTATGCAGTATTAGA AAATTAACACAGTGGCAGGGCTTCCCTGGTGGCCAGACTGT AAAGAATCTGCCTGCAATGCAGGAGACCCAGGTTTGATCCTT GGGTGAGAAAGATCTCCTGGAGAAGGGAATGGGTATCCATTC CAGTGTCTGCCTATGGACAGAGGAGCCTGGTGGCTATAGT</p> |

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| MSTRG.170006.2 | 0.73 | 0.05 | 0.02381 | -3.68 | down | <p>TTCAGAGCCGCTGAGAACGAGCCTGCCCTCCTCGCCCCTTCA GGACCGCGGGAGCGGTCTGTGCGGCCCTTACGCACCACCAC CCACGCCCGTTCGGGGAGGGCCAGAGCGCGCTGCCCCGCTT CAGCCCCTCCTCGCCCCTCAGAGCTACAGGAGCGCTCCA GCTTTTCAAGTCTGCCGCCATCTTTACGGCAGCAACTTCCC AGCCTGCCTCGCGCTCAGGGAGAGGGAGCTCGGGCCGACAGG ATACGGAGGGCGGGCCGGCGGGACGGGTGGGACCTGTGGGG AAGGCACTGGGAAGACTTCCTATGTTCCAGACTTCCTATTCA AACCTGTCAGGGAAGTTTCAATGCAACAGAACACGTCCGGAC CCTACAGAATAAAACTTCGAACTTAAACCAGTCACCTAGAAG TAACAGCAGTCTTACAATGAGATCCGGACGGATTGGTTTGGC CAAAAGTACACTGCAAATTGGAGTTAGCCGCAGCAGGCCCTG AAGAAGGCGATGGCAGCCCACTCCAGTACTCTTGCTGGAAA ATCCCATGGGCGGAGGAGCCTGGTGGGCTGCGGTCCATGGGG TCGCTAAGAATCGGACACGACTGAGCGACTTCACTTTCACTT TTCACCTTTCATGCCTTGGAGAAGGAAATGGCAACTCACTCCA GTACTCTTGCCGGGAGAATCCCAGGGTCGACGGAGCCTGGTG GGCTGCTGTGCAACACGACTGAAGCGACTTAGCAGCAGCAGC AGCAGCAAGCCCACTTTTTTGGCACGACTACGCTGCCAGTAA GAACCTTGACAGCACAGGTAGCATGTAAACTTACAGCAAACAA ACCGCTGTTTGCCTCAACTGATCTTTTTAAAGAGTATTGCCT CCTGTAGCAGCGGTCAGTAGATTATCTCTCAGCTTACATTC ACTCTCAGTTCTCATCGCGGATGGACCTGGGCCTTTTGAGC ATTAGTCCTTTGCCAAGTAACCCAGTGTGAAGCTTTGCCAGG AGAAACTGCTTGGAGGCAGTGTGGGAGGGAAGGGCTTTGTT</p> |
| MSTRG.110319.4 | 0.21 | 0.01 | 0.0031 | -3.76 | down | <p>CTAAGAATTATCTGCCACAGAGCCACAGGCTCAGACCAAAG AACCTGAGACCCTGTCCTTGGCTAAAGCCAAGCTTTTTAA TTTTCTTTTTTAAATTTTTGGCTATGTAGGATATGAGTCCC CAACAAGGGTTTGAACCCACACCCCTGCATTGGAAACATGA TGTCTTAACCACTGAATTGTTGGGAAGTCTTTGAAGCCAAG CTTTGTCCCCTATCTACAGCAGTCCAGTGTGGGCAGGAAG TGAGCTGATGCTGGCTTCTCTTTGTCTTATCCAAGTTGGGG CATGAGATTTTCTCTGCATTAGAAGGTTGTTGAGACCTGAAG CCTGGGAAGATGCATTGAAAATTATACAGGCGCTCGTTGTGA AGAGGTTTTTCTCCCAAGCTCCAGTATCCAACTAAAAGTGA CCTGTTACAGCTTTCGTGGCATTGACTGTTCTTCTGGGAAC TCTTATCCTTGGAGCCCTCTACTTCTCTGCAGGAAGGGCCA TCTTCAGAGGGCCAGTTCAGTCCAGTATGATATCAACTGGT AGAGACAAGCGGTACCAGTGTCCCCACAGTCATGGAGAACA TTGAAGAAATAACACAGTGAAGCCAAATCATTGCTTCTTTGT TACAAAGGCAGAAAGTGAACACTAAATGGTTTTTCATAAAG CAAGACTCAAATTGTTTCTACAAGTAAAACCAAGTCAGTCA TCTAAAATCTCAATTTCAAATCAAGAGGATTTAGAGTCTTCT GTTTTTATTTAAATGGAATTTATGGTGGTGTAAATGGGTT AGGCTGTGTGGGCACAAAATGACACAAGTAGATTTAATTATT TTCTCAAAAATCCTGTAGAATGCATAGGAAATTATCAGATT TGTAAGATTTATTTTACATTCTTTCATGTTCACTGTGTCAA ATTTGCAGTATAAATCAGTGGCAAACCTTTGCTGTTCCGGCT TCTCTTACTAGATTGAAAAGTGGTTTTATTTACCAGTGGTCC AGGTTTAAAGCAAAGTTGAGAATTACAGCAATGAACTGGCCTT</p> |

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| MSTRG.231934.38 | 0.11 | 0.01 | 0.01707 | -3.84 | down | <p>GAATCCTTTGGGGACTTTGGCTTATCCTGTGTGGGTCTCAGG TCTCAGAGCCGCATTCTCCTCGTGGTTGGGTCTTGGAGGTA GAGGACTAGCCATGGGCCTACCTAGCTCCTCGTGATCCTTTT GGTAATGCACACAATTGATATGGGTAAGGTCAGTCCTGGTGG GAGTTGAGATTGTAATGACAGGCCTTGGTCCAGAGCCCACG GTTTTGTTACCTTTCCTTATCAGTGTGAACCAAGTGCTATAT GATGATTAGATGGAGGTTTAGTTCACCTTTAGTCAGGAATAT GGAATAAAATGGCAACCCACTCTAGTGTCTTGCCTGGAGAA TCCCAGGGACAGAGGAGCCTGGTGGGCTGCTGTCTATGGGGT TGCACAGAGTCGGACATGACTGAAGCGACTTAGCAGCAGCAG CAGCATGGAATAAAAAGTCATAATTGCCATAAGGGCCCCCTAA GATACCAAGTTTACCTCCATTCAAAGATAGGATATTGATTGA GCTCTAAAGAGGGTAGGCAGCTAGGAGGATCAGCATTAGTTC AGATCTGAGTTCTAATGCTTTGGTATATTTACTTGGTGCCTC TGTACCCAAGATGTCTCATTTTAAAAAAAATAATAAATATT TAACCCATAAAAAAATAGAGGCAAGGATCCTTATTAATGT GTGTGTTGTAAGAGTCTTTGCCAGATAAAGAAGATAATTGTG ATGCTAATAATAGTGCTTGACAAGAGTGAATTCTGAGGTCCA TGGTGTGGACCTAGATGACTTGTCTTAAGGTGGTAAAAGTAA AATTAAGCTAGATGCATACTTTGACTGTTCTTACCTTTGT TTCTTCTCCTTCTCTATCCTGCAGGTGACACCAAAGTGTG ATCAGAAACCATGCCACAGGTGAAGAGGTATATTGAGCCCTG CCTGGCCAGTGAGGTTACTAGAGAATTGGAAGAGGCTCAAGT CAGCATCCTGCACATGGTTATCAAACCATGTGAAGTCTTAA TTCTTGGGCAGCTAGAAACCTTGTCACTGGTCAAGAGCAACA</p> |
| MSTRG.148892.2 | 0.65 | 0.05 | 0.00629 | -3.89 | down | <p>CACAGTTACTTTGGTCCCAGGTTTGGAGCCAATGCCCGGAA CGCGGGAGAGAAGAGGCTGGCTGCCGGGGGTGCTTGAAGG CTGTACTGGGAAGGACCGAGTGAGCTTCCACACCGGCGGAGC TCCAGCTCTGCGCCAGGCGGATAGCACAGAGCCCCGGCCG AGAGGCTGCTCTGTGCCGGGCGAGCCTCCCAAGGCCTGCC AGCTTCTAGCGTTCGCGCCCGGAAGGAGCAGGCTGCGGGAG TGTGGGAGCCGTGAGTGGTGCCTGACTGGTGCCTCAGCTCAG CTCTCGCTTCCCTTCGGACCTAGGAGCCAGGCGTCTTGCA GAGGGCTTCGGGGCTGGGGGTGTGCACACTGCCAAAGCCTCC CGCGGGGAGAGCTTTTCCGAGGGAAGGAAGCGCCCCAGGC TGCATTCCAAGCTGGGGCTTCCCCGCCAGACTAAGCGCCG CACGGAGGGAATCAGGGTCCCGGTGCCCTGGCTTGGGGAGG CAGCTCCACAGCCAGAGGGTTGCTCCGTTTGTGCCAGAAAG CGCTGCCAGACCGGCCTTCCCTGGAGCTGTCTGCCGCCT AGAGGCAGGTGGATGTGCTGTGCGGGCTTCCCCTGGGCGTTT GGGCTCCCTAGCACAGCCGAGCGCAGGGGAACCAGCCCATG ATCAGTGAGCTCCGGGCAGTTACTCTGGTCCCAGGTTTGGAG CCCAATGCCCGAACGCGGGAGAGAAGAGGCTGGCTGCCGGC GGGTGCTTGAAGCCTGTACTGGGAAGGACCGAGTGAGCTTC CACACCGGCGGAGCTCCAGCTCTGCGCCAGGCGGATAGCA</p> |

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| MSTRG.83783.3 | 0.32 | 0.02 | 0.02356 | -3.89 | down | <p>TCCTTGGGCGCTCCCGGAGACCCCAAGACGGGGGGCGGGG GCTTTCAGGATGGTGCGGACACCCTCCGCACAAAACCCAGCC ACAAGTTTTATTTTCCTTTGCGCTGGAAGTCTGTCTGGCT CTCGATCCACACCGGCACGTCTTGC GCGGCTCCCGCCCTC CCCGGCAGAGGAAC TTTGTATCCACGTCCATAAGTCAATCA GGCTGCAGTTTTGCCTTCTCATGTTGCCTTTCTCTGGTTATA CTGGCCTCAAAAAATGAACTGGTAAGTTTCTATAAACAGCA TACAATTGGACCTTGTTCCTTTATTTATTGGGTTGACTGGTA TATCCATGGCCTTATTTCAATTTTTCCCTATGATGAACACTTA TAAACCTGCTATTCAACCAGAGACTAAAACAGCAACGGTGAC TGACAACCTCCTTGTGCGTTCTCCCCGTTTGTCTCACCTAAA GAAACTGCCAGTCTCAATCTTGTGCGTGAGCTGATTAAGAAG AAAGCTGACTCCTACCTTCCAATCTTGTGCCATTTTCATCTG CTTCCAAACATAAAGCCGCCGCTGCTTTTGAAGATCTTGG CTGGTTTAAAAAGGCAGATTCGGGATTTGTGTGCAGGATTC AGGAATGTGGGTCTTCTGGTTTGT TTTGTGTGTGGATGGCA CAGCAGAAGGGAAACAAAGCATTCTGCTGCCTCGCATGGAGG TTCTTCTAGTAGCCAGGCGACCTTGAGCGGAAAAGCCACCCT CAGTCTCCAGTACCCATCTGTAAACTGTGGGTCATATGGT TTAAAGTATCTTGGTCTCCTGCAAGAGGTGAGCCTGATC TTCCACCCCCACCCGGGTCCCCAGCGTGGGCTGTACTTA GTCACTGGGTTCTGATGAATAGAATGTGGAGGAAATGATGGT GGATGAACTCCAAGGCTGGATCAGTAAAGGCACCTGGCTCCC GCCTGGCTCCATCTCTCAGGTCACCTAGGGAAAGCCAGCTT TCATGCCGTCAAGATGCTCAAAGAGCCTGATAGACAGCCCCA</p> |
| MSTRG.103983.4 | 0.17 | 0.01 | 0.0282 | -3.91 | down | <p>CTGAAGTCCCTCAGGGAAC TTTGTAGACCGGGATCTTGGCTTCA TGATAATGCTCATT TTTGGAGGAAAAAGAAAAAAAAAAAAA ACTCTTCAAGAATTCTGATTAATACATTT CAGCTGTGTTTCT ACAAAGATGGCTTGAATATATTCCATTTTCAAAGGAGGTTG TTGAAGAAATCCACATTTCCCGGAATCCAATTTCTGCCCCC AGTCCAGAACAGAGAGAGGTTTCTAAAACACAGAAGCTTTTT CCTCTTTCATACTGAATTTACTCCATCACCAGGCTGTTCCGGA AGTGACAGTTTGT TTTCTGCTTTGCACTGCCAAGGGAGGAAC TGGATTTTGAATCTATTCTTCATCTGGTACAAGGGTAACCA ACAGAGTGAAGAGCCACTTGATCGCATCTCTTTTGCATTT CACAAATACCAGGATTAAGGTTTCCGACCGTCTAAAAGTGCT CAGGTTAGAGAAAAGGAAAACAGAAATGACCGCAGGTACAGT AACGACACCGGAGAGCTGT CAGGGAAGTCCATTT CAGGACG ACCACAAAAAAACTCCTCTCGGGGAGCCAAGAAGTCAGA GAGGGAACAAAGCTCTCCACACTTGAGCTGGACTCACTGTTG TACCTGCGAACGTAATTTCCGCTGTGTCCCCTGATTAGAATC TGACTCCATGCCTTTGTGAATGAACTATCATTCAATCTCA CCAGGCAGAACTATTCTCAAGGGCTGTATGACGTCTGTAG GAAGGCAGTTCAAACATCGCAGGGAAGTGAGAGAGAGGGAA AAAAAAAAAAAGACCCAGCGCCAGCCAGCGGGTCTAGTCA ATTGCTGAAATTTACAAAGCTTCTTTGCAGATCAGCGCCAGA GAGGAGGAGTGAAACCAGCCAAACAGAAGACATCTCGAAAC TTATTTCTCCTCTGAGAAATGAGGTGTCTCTTGTTATTCAA GGTCTTATCATATTTGAATTTGTAGTGTCTTCACTGTGGAT TTCACCCACTGGAACAGAACTTCCATGAGCACAGGGATTGCC</p> |

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| MSTRG.90432.1 | 0.45 | 0.03 | 0.0425 | -3.94 | down | <p>TTTTTGAGTCAAACCAATTCCTACCCTCTCTGCAGAAGTTGA TGATGCACAAGATTATCACAGGCAGTCTGTCTTCCAGCGACA ACCAGCCATGGGCAGCCTTCTACCTGGTGGGACAGATTTCAA GGCCTGCTGTTCTGCTAAATGCTGAAACAGCGTCTGGGGTGC CCACCCGTTTCAGCGCACTCTGTGACATGGTGACAGCGTCTCC TCGTCTGCAGAACTTTCCTCAAGAACGGACCAAGGACAAGGG CGGACAGAGCTTAAAAGACGTGAACGCTGTACCCCTCCAGGA GGAATCTCCATAAATTCCTCAGTTCTAGGGAACAACAGAGTC ACCTACTGACACAGTGGGTGTTTTGGTCAATTTTTGTCCCTC CAGCGAAAAATTCATGTGTGAGAAGTCCAGTGGTTAAGATTC CCCACTTCTAATGCAGGAGGCATGGGTCCGATCCCTGATTGG GGTGTGCAGGGAGTGTACCCTGGAGCCTAGCACCTCCGGAG AGGTCTGCTGACCAGCCGAGGGCAGCCGCTTGCTGGGGGA CGTCGTCTGGGAACCACCACTGGCCGGTTGCCGTGGGTTTCAG GAGTCCGAGTGCACAGAGGTTGCCTTGGGGATGCTGGAAGAG GCAGCATTTCTGGCCAGCCAGGTGAGCAGAGAATACTAGCG GGAATAAGAGCAGACTCGCCAGGCCACGGGGAGAGGGCTGCA AAATTAACACACAGCTGCTCTATTTGTCTGTAAGAGGAGCA GTCGGTCTCCACCAGCTCCACCCGCGGGATGGCTGGGATAA AGGGAGTGGGGTGGGAAAGTCCTTACTGCAGCCTCATCAGA TCCAGTAACTCATGCTTGAGTAACTCAGAGCTTACTGGGATG ACGTGGGTAAGTGCAGACGTGGAGGTTTCATGTTATGATGAGC CTGGGAGTGTGGAAGAGGGGTGTGGCTAGCTGTGTCCCA AGCCAGCGGCACAGCCGCCCTGCCTTAGGGATTCTCCTT GATCACCTGTCTTGGCTGAAAATGTCCGCGGTTGGTTTTGCCT</p> |
| MSTRG.187574.3 | 0.17 | 0.01 | 0.01195 | -4.07 | down | <p>GGAGCGTAAAATAAATGCTTCTCAGTAGAGTGAGCGCAAATA AAAATTAGCCCCGCTTCTCTCCACACCTCCAGGAGATTGCG CAGGACGCAAGTATCCCAGACTCCAAGTTCCGAGACGCGC ATCCCTGCAGGCAGCGCCACTCACCTCGGGTGCGGCGCCG CGATGCCTCCGAATCAGACGAGCGCTGACAAGTACTCGCGG TGCTTGCGCCTTCTCCACGGCCCGCGGAACTTCCGCCTCCT GGCTCCCGCCCCCCCCCCCCCTCCAGCCCCAACACACACA CACACCGCCCCCGCCCCGAACCAGGACACACCCCTCCGCT CCTGGCCACGCCCCGACCCGAGAGCTGCGGGGAGCTGAGA GAAGGCTGCGGGTGAACCTAGCTGAGGGTAACTGCAGCGAG TCGGAGCTGCTGCGGAAAGACAATTGCAGTACGGAGTTTCGG TGGGACCAGTCTTAGGGGGTTTTGAGCAGTACCTGACAATGG TCCGCTCTGCCTGTTTGTCTGTGCTGGATGCATTTTTCTCT CCAGAACTGAATTGGCAAGCAGTTGCTTTGGCTAAAAATAG GAGAGGGCTTTGGATAAATCCGTATCTATGCAAGTTCAGCGG CCACTGCCTGGTTTTTTGAGCAAGCTTATGTGCCCGGAGAA GTGAAGACTTTAAAGTTGACCTGTTAGGAAAGGGAAAATCAG CAACTTTAATATCTAGAAGTTAAATCCTTAGTCAAACCAGA AGACCGTGTTTAAGAGCAGCGCCAAAGGTGGTTCAACCATT ATAACCTCAGCTTATTTTTCTAAGTCCAGATCAATAGTCCAC TTCCAGTTTCTATAAAGGTGCTTGATTTAGCCCAAGGGATT TATTCATGAGCAAATTTGAATAACGTTTCAGTGAACATAAGAG AAAGTAACTTTTAGGCTTGTTTTGAACTGTAAATTGGCTTAT AACATGTGAAAAGGACAGTTCTTAACCATGGAACCTGTAAAG CAAGGCTGATGGAGTCCGTGGGTCCCAAGAAGTCAAACAA</p> |

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|-----------------|------|------|---------|-------|------|---|
| MSTRG.67346.3 | 0.37 | 0.02 | 0.00953 | -4.16 | down | GGACAGTATAAATTCAGTTCCTCTTTCCCTCCAGAGTCTTCT AGCACTTTTCAGATTCTAACACACATTTGCCATCTTTGTGGGC AGTATAGAGAGCACCTTCAGAATTTGGGGACATGGTCAGAAG GAGTCAGGAATTGAAGAATGCTACTAGAACCCTCATAATACA TCTGAGATTAACCACTTGCAGATGTGACCTGTCTCAGTTTGG ATGGCAGGTAAGTGTGAGCTTGAAGTGCACAGAAAACGTCAA GTTATCATCAGACGTCTGATGGCCCTCTCTGAGAGTCCCTTT AGAGCAAAAAGGCCCTCTGCTGGAAGTAAGTGAAAAGAACAA AAGGCATCCACGGATGATTTTAACCAAAGAGGAAAACACGAAT ACAAGCCTCTTCTTAAAGGAGAAAACATGGAACCAGAAATGAG TCTTCTTTAAGAGTCTGGGAATTTTAAATTTAGTAAAACATA GGAATCACAGAAAATTTGTCACACTCAAGTAGCTGACTCTAATT ATGTGAGCTTCAGACTATGCTATATTCCTTCGCTGAACTCTT GTTTTGTGTGTCAGGCACAGTTCTCTCAGCACTGGAATGTAATG GAGACTCAAGCAGACAGGGTGTCTCTCCCTTCAGAAGCACA GTCTAGAAAAGTTTCCCTAACACAGAACCAAAAACAGAAAGGAA CAGAAAAGGAGGCTACGGGAGAATCACGCTGCTATTAACAATG GCTGATAACCGACAGCAATATAAAAAGTGAAGCGTCTTAAA CTGCACTTAAAGTGCAGTCAGTGTGAGTGGCCACATCATCA TCAAAAACACTATATGTAACAGTGTGCGGATTCAGTGAAGAA AGATAACACGCTGCTGCTGCTGCTAAGTCGCTTCAAGTCTGT CCGACTCTGTGCGACCCACAGACAGCAGCCACCAGGCTCC TCTGTCTTGGGATTCTCCAGGCAATAATACTGGAGTGGATT GCCATTTCTTCTCCAGAAGATATTATGCTCAGTATTAATAAT GAAATAACTTTGAAAGATTTTACCCTGACTAAAACACATGC |
| MSTRG.184700.12 | 0.23 | 0.01 | 0.00112 | -4.3 | down | CCCGGACAAAGGTCCTTCGCGGCGCAGGTGCGGACGTGGAG ACCGTGTCTGCGGGTCACTCTGCGGGTGGTCCGATCGTTC AACCCGGGGAAGTCGGAGCGAGAAGAGGACGAGCGGCGCGGT CGGAGCGCGGTGCGGGACCCAGGGAGTGGGGCCTGGCCGTGC GCTTCGCCCCGCGCCGTCCCGAGCTGTCCCGCCCTGGGAAGA GTTGTGGGACATGGCATGGCTTTGCTCTTTGCCCTTTCCGC GCGTGAAGGGGAGAATCATTTTGAAGCCAGAAGTCCGACCG ATGGGCCAGGGCCTGTGCAGCCGTGGGCGGATAGCGCAGCG CCGGCTGCGTCCGAGCGGATCCTCCGGAAGGGCAGAGCTG CAGACCAGCGCGCCCCGGCTCGATCGGGTCAAGGCGACTC TTGAGGACGGTACCATCAAGGTGCGAGCCTGGGAGAGGCTGG CCTCCCCTGCCAGACCAACTCGGTGACGAGTCTGCTGTTGCC CGCAGCCTTCGGTGTGGATCCACCGTGTGCCTGCAAGGCTCT CGGGAAGTCCACATTCGTTTGCTCAGACAGACAACAGCTTTG GACGGTATGTGTAATGGCTGCTTCTGAACATACATCATGGA CGCCTCAAGAGTCTAGGCTTACAGCCCAGAAGGTTCTCTGC GGCCTGATTGGCTCTAGAGCCTCGGCTTCTCCCCGGACTC GCACCTCTGCCCCAGATGCTGTGTCTTAGAAGCCTGCGCTC ACCGGCACCCTGCCCACTGCCTGCCCTGGGAGCCGTGAGC CCCCTGAGGCCCTCCTGGAGCTGTCTTGGCCACAGTGGGGCG GCAGAGTGGGGCACACACCAGGGTCTGTGCATCTGGGAGCC CCCCTGGTGGGGTGGTGTCTGGAGGACATGGCCTGCAGGCTC GCCTGCCAACTTCTGACCCCTCCCGCGTGTCTCAGGCCCT CCGAGGGCTTGAATCCTGGCACAGCGCCACCAGGGTGGCCG CGCACCTCCGCCCCGCGTTCGATAGCACTCAGCGTTTCCA |

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| MSTRG.53914.1 | 1.27 | 0.06 | 0.00298 | -4.38 | down | AGGCAATGGCACCCTCCAGTACTCTTGCTGGAGAACCC CATGGATGGAGGAGCCTGGTGGGCTGCAGTCTATGGGGTAC TGAGAGTCGGACACGACTGAGCGACTTCACTTTCACTTTTCA CTTCCCTGCATTGGAGAAGGAAATGGCAACCCACTCCAGTGT CCTTGCTGGAGAATCCCAGGGACGGCGGAGCCTGGTGGGCT GCTGTCTATGGGGTACACAGAGTCAGACACGACTGAAGTAA CTTAGCAGCAGCAGCAGCAATCATTGACCTTGGGAAAAG CTAGCCGCCATGTCCTGGGGTGTCTCAGAATCTCTCCCGAG ACGCCCAGATGGTGAGGAACTGGGCCCTCAACAACATGAGTG ACTTTGGAAGCACACCTCCTCCAGCCCCAGCTGAGCCTCCG ATGACTGCAGCCCTGCTGACGTTGTTACGGAACAAAGGTTT TGCGCCCGATGCACAGTGGGGCCAGAAAACTGAGACACTGG AGTCTGGACCAGGAAAAGGCTGATTGCAGCGCAAGCAAGGA AAACAGGGCCCTGTGCTCAAAACCCCTGAACTCCCTGATGG TTTGGGGGAGAAGGTTTATAGGCAAAATTTGACTCAGAG TTGACGGGTATGTGACTTTCTTCTGATTGGTTGATGGTGGGT GGATAGGGCTGTACTCCTGGCATCTTGGGCTCAGCCTGAAGT TGCCATCTTCTGTCTGGGAGGGCCCTCGTTCTGCCGAAGG TACTGTTACCTAAATTCATTGAGGAGGAATCAGGATCCTGAC CCAAGGCTAGTTGGGTATAGTTGATTTACAATGCTGTGTTA ATTTACAGCTGTGCAGCAGAGTGATTACAGTTATACATACAT ACATTCTTTTTTAAATATTCTTTTCCATTGTGGTTTATCAT AGGATATTGAATATAGTTTTCTGTGCTATACAATAGAATCTT GTTATCCAGTTTATATATGAAACCTTACATCTTTTAAACCC AACTTCCACTGCATCCATCTCCTACCCCCATTCCCCTTGGC |
| MSTRG.153391.3 | 0.51 | 0.02 | 0.00127 | -4.57 | down | CCAGCTTGACGAGGAATCTTGAAGCCAGTGGGTCCAAGC TGGCCAGGGAAGCGCCTGCACGGGGCATTAGGTGTGAAGT AGCTGCAGGGGTGTGCTTCGTTCTGCTCTTTCTTTTCGGG TGAGGCCTCACTCTGCTCGCCTCAGGGGCCCTCACTTCAT CCATACTTGAGGCTACTTTATAAGCCCCAGTCACCTACAGA TTATCCCTTACGATTCCAAGCTGGTCTTGAGTTCCTCTTCTC GTCTATCTCCCGACATCCAGGCCCTGGAATCTTCTCTGTC CTTTCTCCAAGAGGAAGTGACACCAGAGAGGGACACAGAGA AAAGGCTACTTAAGGACACAGCAAGAAGGCAGCCATCTGCAA GCCAGGATGAGAGGTCTCTCTAGAAACCAATCCTGCCAGCAC CTTGATCTTGCTTGACTTCTAGACTCCAGAATAGTAAAACAG TTCCTCAGAACTTCTGAGCATCTGTCTCCAGGCTATGATCC TCAGTTTGGCTCGAATAAGATTCCCTCTTTTCTTCTGAACCT GATGGGGGATGAGGATTCAGGCAGTGAGAAACACTGTGCAA AACATCCTGAAGTGAGAATTTGATTGGTGGTTTTGTGGAACA ATGAAGAGGCCCAAGTGTGACTGTTGCCAAATGTGACTCCCA TACCCCAACAAATGGAAGATGTTAACCACTGATGACCAGGA GCACACAGGCCAGGCTCCTAGTACTCAGACTGATAATGT TAGCCCCTGTGACACCATCCTGTTACCTCACCTTCAGCCAGT CAGAGAATTGTGGTTGAGCTGATCACATACCCTGCAACCTCC CTCCGTCACTGGGTTTTAAATATGCTTTACCAAAATGCTTA GGGGAGCTTGTGGCTTTTATGTTGAGCCACCCGTCCTCT TGCACGGGCCTGAAATAAACCTTTCTCTCTTAAACCCCAA AGTCTAGGTTTTTTTGGACTTACTGTACATTGGGCACATGAA CTGTGCTAATAAGACAAGGGTTTCCAGTGTGGTCTTCTAGG |

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|-----------------|------|------|---------|-------|------|---|
| MSTRG.65715.8 | 0.26 | 0.01 | 0.00811 | -4.75 | down | <p>GACCGCGCGCGGTCCGGTCCGCTGGGCTGAGCATCGCCGGCG GCGGCGGGGTGGATTTCGGGTGAGCGGAGACATCCAAAATTG CAGGGAAATACTGGGGAGAAAAGTGCCCCGGAGGAGCAGGG TCCGTAATTGCCCGTAATGATGACTGACATTTCTAAGGCCA TGGCATGGACCACAATGAGAAATACGGTTCGGTCGCCGATTG CTAAGTAGCAAAGAGCAGGCGACTGACTGAGGGCTGCTGGGC GAAAGATGGATCCCTGTGAAGATGTAGAAAAGTCCAGTGGTA AATCTGAGAACCCAGGGGAATCAGCGTCATGAACTTGAAG GACCACAGGCCAGTGGTCTGAGGCCCCCGGAATGATGCTG CTGAGCTATGGAGCCAGAAATGCGAGCTGCGGAGCAAATTGG TGCAGACCAGCAACAGTGAACAGCAAGATTGAAAGAGTTTCT GAAGAACTTGAACGGTTGTCCAAGAAATGAAAAATACTTC CCATCGGAAAGACATAGTAAACCAAGCACACTGGATGCCCTT AACTATGCCCTTCTCTGTGTACACAGGGTACAAGCAAACAGT GAGTCTTTCCAGATTCTCAGACAGAACAGAGCACCTCAAGCT GATGTGACCTTGTGCAGTCTGGAGGAGCTGGCCACTATTGCT TCAGAGCACACTTGGAAAAACACATTCCAGTACCTACTACCC AGGTTGTAACAACTGGATTTTATAGAGCAGGATACCTTTGTG GCAGTGTTTTCATTTCTCTCTGGAAGGTTAGTGCATGTTTCT GAACAGGCTCCTTCGATCCTGAATTGTAAGAATTGGAGTCTT GTCATTTTGTGAACTGCTTGCCCCCAAGACATGAGGGTGT TCTACACGCACACTGCCATGCTCAGCTTCCATTCTGGAACA ACTGGACACAAAGAGGTAATGGGACCAATATTCAGATGTTTA TCTCACCTGGTTAAGCTCACTTTTCTTACCAGAAATAGTA CACAAGTGAATGCATTATTCAGCAATGCAAATTATATGGTTT</p> |
| MSTRG.103945.18 | 0.19 | 0.01 | 0.00195 | -4.82 | down | <p>AGAAATTGTTGATGTAATAATAAACATTCTGCAATGATGCTG CATGGGAAATAGGCCTTACCTTGCTACTCAGGGTGTGGTCCA TGAATCAATAGCATGAACATCACTTGAGAACTTTGTAGAATG CACATTCTTGGATGCTACTCCAGCCCTACTGTATAACAATCT GCAGTTTAAACAGGATTCTAGGTAATTCATAGGAATATTATGT GTAAAAAAAATGGATTGGGGCAGTATCTTGAACCTCATTAC AAATCATGCCACAGAGTATTTAATGTTCTTCAGATTCTAATA GGTCCATATAAACTCATATTATTCTGGATTTAATGCCTTAGC ATATCATGTTTGACAAGCTATTGAGAAAAAAGTATCAGATCT CATGCCTCAGGAGAGACCTGCTGGGAAATCAGTAGTGGATGT GATGCTTTTTGAGAAATTTAGCAAACATTTGGGTCATACAGTG TTAATAATTTAAAAGCTTTAAAGTGGTCAACATATTTTTAAA GGTAAAATAATTTAAGTTGAGGGGTGAAAGGTACAGCAGTTT AATTAGTTCAAAGGAAGGTAACCTGAAAAATATAGAGGAAGAC AAAAACAAAGTACAACTTACTGTTGAATCAGAATTTTCAAG TTGTAAGAAGACACTGATGCCCTCTGGTTCAGAGCTAATGTA AGCTATGACTTGAATTTTCCAAGCCAGTGTGACCGTCTTGT TGAGGCTGCCACAGAGAACTCACCGTCTCCAGCAGCTTTT ATATGTTGTTGGCCAGCTCTGTGTTGTCAGCTTGGTTTTGCT TTCAGTGAACCACTTCTGCCTCGATGACTCTTCCAGGTAGC ATTGCTGCTACTTCTAAAGCTTGGGACACACAAGGCAAGTG AAATTGCACTTTCGCTTCAGACTCTTCTATCTTTAATCGT TAGATCCGTCGGCTATGTGTTCTATTTTTTATGCCAACTAA CTGTACACTAGGGCATCTATCTTTTCATATCTTGGTCAGTCT CCTTAGACTAACTCTGTCTCACAACATCTTTTTAAAATA</p> |

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|---------------|------|---|----------|-------|------|--|
| MSTRG.81336.1 | 0.35 | 0 | 4.47E-05 | -5.06 | down | GGGGGGCCCGATCGGAGGGGAGCGGCTCAGCTCCGCTAGCC TCTATTTATAGAGCCCGGAACCCGAAATAGCGCGGAGCCGAG CGGCCGGGATGACGCGGGAGCCGCCGGGGGCTGACTCACCCG GCCCCGAGCGGGCCCCCGGATGGGGGACAGTGGAGGCGCT GGACTCGACCCACGCCATTCCGGGCACCTCTTCTGCTGGGA CGTCCCAGGTTTCCACGAGGCACTGTGGTTGGATACGCAGCA AAAAGGAGGATCTGCAGCACGAGAGACTGAGGTTAGATCAGA GGAGATCTTCTCAACCCAGGGATCGAACCTGCGGCTCCTGTA TTAGCAGGCAGATGCTTTACCACTGAGCCATCTGGGAAGCCC AACACCATGTTAGAGATGAAGAACTGAGATTCAAGGAATAC CTTACATGTCCTCAGAACTGTCTCCTGAACCAGGTACCCTGG CCCCGAGATGTTTCACTGCCAGGACACTGTGTTTAGTTTCT ATTGGACCGAAAGGGGAGCTACTAGGGCATTCAAGCCCACGT CCTATTTCTTGTGGACAGCGCTGGTCCATGGGATTTGCTGTC TCTCCATCTGGGAGGGCATCAGATGATGGGATGCCACTTGTT CCGGGGTCACTGAGCCTCAGGATTTCTTGTGATTGTTCCAG ACAATCCATGTCAGAAGCACATTCAAACAGAGCGACTAATC CTCACATCAAAAACATGGCTTTAAAGGACTCTCAAATTCC TCTCTGCACCAGGTGAAGAAGCTACTTAGCCGAGAGAAACCA CAGTGCCAGGCAGTATTTGCAGCCACTCTGTGTCTGGAGTA TACTTTTTTTTTCATAAATTATATACACGCATGCCTTTATTG GGCTTTCCAGGTGGCGTAGTAATAAAGAATCCGCTGCCGA GGCAGGAGATCTAAGAGACCAAGTTCAATCCCTGGGTCGGG AAGATCCCTTGGAGGAGGCATAGCAGCCCCCTCGAGTATTC TTGCCTGGAGAATTCCATGGACAGAGAACTGGTGGGCTTC |
| MSTRG.39163.1 | 0.2 | 0 | 2.96E-05 | -5.16 | down | TTGTTGAGCCTGCGTCTAACGACATGTCAACCACTTGAAGA AACCAGGAATACTTTGAGCAATGATCCATCAGCACCTAAT TTCAGTCAAGTTTAATTCCAGATGGAGCACCACCAACTCAGA TTTGTTACAGGGATTTATAGCAATTGTAACCTAGACAATTGT GGGGGCTACTAAACAGTGTCTGTTGGTCTGTCCAGCACATCT GAAGCTGGAACCTGAAACCTACAAGGAAGAGAAGACAAGTGT AACATGGGCAAGAACAGTACAGGCTGGAACCTATGACCAGGA ATGGGACAGATGCCACCAAAACAGACTGAACCTGTGACAATT CTCACTTCTCTGACCTTGACAGGCAGGTATCCAGGAGAAGC CCCTTCATGGAGCTAGACACATGACTGACCAGGAGGCATAGA ATGTAAGAGCAGAAAAAGGCAGAGTCATTGCGTGTCCATTAA GTGATCCATCAGATAAGGCAATGGACTTGAACCTAGAAACATG GTGATGTGAGCTTCTGAGTGTGAGGAACAGTATGGTTGTGCG CTCACTTCTTCCAGCTTCTACACAGCATCTCTGGGACCCAC CCTCATCAGAGATATGCAGGGAAGGAAACGGGGACTTTTGT CAGCTCAGCTAAGCTGACGCATGGCAGAGTGGCCACTAGTCA CCTTGTCTGACAACAGGAAGAGAACCAGCTTCAGCTTAGGAG ATCTGTCCGTGTGACCTTAGGTACAACCACATAACCTCTCTG TCTCGGTTTTAGGTCTTAATACTCTCATGTGTAATAGGGAAT GCAGGGGTGACTTTTTCAACCCTCGAGGCCCTTCCAGTTCT AAGTCTATACTTTTGTATCCTGTCTTGTTCGTTTCTTGT GTCTGTGAGTCTTGCTTCCACATTTACTGCAATTCTGTGAGC TCAGCCAGAGGAAAGCCAGATAAGAACAATGGAAGGAGCCT GTGTGTTAGTCTAAGCTCTCAGAGCCGCTGAGGTAATGGTG GGGTCAGAGGGCAATTGTCAGTGTGGAATTAATATTACT |

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|----------------|------|---|----------|-------|------|---|
| MSTRG.82259.81 | 0.4 | 0 | 1.37E-05 | -5.49 | down | <p>GCCCTTTCTTAGTCCTGACCATTCCCTCACATAGTACCTTGAT ATGGATGGAAACACTGTTCTCACCTACCACATCCCTCCACCT TTACATACTCTCACTGTAAAGATCTCTGGCCATTTATTGAA CAAGTTTCTCAGGACATGACCTAAATCACTCTTGCATCCAT GATGACTCACAACCCATTTGAGATTGGATGGTTGAATAATA GTAAATGGACTACTTCTGTCTTGTATCTTCCTTGATATTTT CTTTCTAAGTTCCTTGATTTTTTTTTTAAATGTTTTCTAATC TATTCATTTCGGTGGGTGGTCATGTTTACAAATAAGTTTTCTC AGTCTGTAGGTTGAGATTACATAACCTGCATCTCTTACCCTT TGTGCGCCATTTGGTGTGTCTCCTCCGCTGATTAGAGAAAA CATGTTAATTTACCTCAAGCCTTTTAAAGCAGATTAGTGCTG TCAGTTGGCTTGAGTAGTGCATGTTTTATAGTAAATACTCA AAATTTTCTTCATGTTCTTTGTGCATATGACTTTATCTACATA TCTTTTTAAAATTTTATTAATTTTTTAAATGAAGGATTATTG CTTACAGAATTTTGTCTGTGTCAGACCTCAACTACATTAT ATCTTGATGCTATTTACTTGCAACATTTTCAGCAATATTG TGTCTGACCCTAGTCAATAAATACACAAAGCACCTGCTTTTT ATTTATTATATTTTGGTGCCATTAAGTAACTAGGTAATTAAGAAT AGTGCATGGCTAGAGAGAAGCCTTCCTGGTGGCTCAGTGGT AAAGAATTCACCTACCAATGCAGAAGATGCAGGTTTGATCCC TGAGTTAGGAAGATCCCGTGGAGAATGAAATGGCAACCCACT CCATTATTCTGCTGGGAATTCATGGACAGAGGAGTCCCT GTGGGTACAGTCCACGGGGTCCGAGAGTCAAATACGACTGA GTGACTGAACAACGAAACAACATAGGTAGGGATTGCTTT GGTTATTGACTGTTAGAAAACCTGGTGAATTTTTATGCTTTA</p> |
| MSTRG.225063.2 | 0.13 | 0 | 9.47E-06 | -5.51 | down | <p>CGCGTCTTCCCTGGTCAACGAGCCTGCGCATGAAGGAGGCGTG CCCGGGGCCCCAGCAGAGGCCTGAGGAGGGCGCGATGGTC CCCGGCCCACTCTCGAGGGGCTCTCGGCGGGGCTGGGTTG GCGCCGTTACGCAGAGCCCGCTCCTCGGGGACCGCCCTTGG CCGTTTCTCCCGCGCCTGCGCGCGCCTCTGATCGGGCCAT CCCCCTACGATCGCACACGCATGGCGCCAGCCTCCTATCTC TTGTTACGTGCCAGGGCCGGGCGGGGGCTTCCCCGTTGTC TCCGAGCACCGCCACCTCTCCCGCCCCAGGGTCCGCCTGCGT AGCTGGTCTGCCTTTTTCTGCTTTCCTTCCTGCTTACCGCT CTGCTGCTAGTCCCTCAGGGGGCGGTCCTTGGGCGTGGAGGG CCTCCCCACAGACATCTCCTTTTTGGTAAAGGGCCACTCCAG TACTCTTGCTGGAAAATCCCATGGACAGAGGAGCCTGGTAG GCTGCAGTCCATGGGGTCGCTAAGAGTCGGGCACGACTGAGC GACTTCCCTTTCACCTTTCACCTTTCATGCATTGGAGAAGGAA ATGGCAACCCACTCCAGTGTGTTGCTGGAGAATCCCAGGG ACAGAGGAGCCTAGTGGGCTGCTGTCTATGGGGTACACAGA GTCGGACAAGACTGAAGCGACTTAGGAGCAGCAGAGGGCGT CTTCTTGAGTCTTTTAGGCCCTCCTTGGCCATAAAAATGAA GCGTCAAGGGACGGGTCTGTCTTAGAAAACAGCAAATGCACT GGTTTTAGTGTGGCGATGTGAAAGTACTGGGTTTGTGTAAG TGAAGCTTATGCTTCCCTGAGTGAAGTGTGCTGTTGGAGAAG ACTCTTGAGAGTCCCTTGGATTGCAGGGAGATCCAGCCAGTC CATCCTAAAGGAAATCAGTCCCTGAATATTCATTGGAAGGACT GATGCTGAAGCTGAAACTCCAATACTTTGGCTACCTGATGCA AAGAAGTACTTATTGAAAAGACCCTGATGCTGGGAAAGAT</p> |

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| MSTRG.198735.7 | 1.92 | 0.04 | 0.00573 | -5.59 | down | <p>CCCGCTTTGGGCTGCATTCCCAAGCAACCCGTCTCCGGGAAG ACCCGGGCCCGGCGCGCCGGGGCCGCCATCGGCCTCACACC GTCCACGGGCTGGGCCTCGATCAGAAGGACTTGGGCCCCCGG TATTTAGCCTTAGATGGAGTTTACCACCCGCTTTGGGCTGCA TTCCCAAGCAACCCGACTCCGGAAGACCCGGGCCCGGCGCG CCGGGGCCGCTACCGCCTCACACCGTCCACGGGCTGGGCC TCGATCAGAAGGACTTGGGCCCCACGAGCGGCGCCGGGGA GTGGGTCTTCCAAGCAACCCGACTCCGGGAAGACCCGGGCC GGCGCGCCGGGGCCGCTACCGCCTCACACCGTCCACGGGC TGGGCCTCGATCAGAAGGACTTGGGCCCCACGAGCGGCGC CGGGGAGTGGGTCTCCGTACGCCACATG</p> |
| MSTRG.138309.1 | 1.14 | 0.02 | 0.0019 | -5.84 | down | <p>ACATCTCCAGACTTTGCCATGTGTCTCTTGAGGGCAAATCA CCCCTGGTTGAAAAGTATCTATAAAACAGGTATAGGGCTT CCCTAGTGGTCTAGTGGTTAAGAATTTGCCTGTCAATGCAGT GGGAAGGGAGAAGGCAATGGCACCCACTCCAGTACTCTTG CCTGAAAATCCCATGGACGGAGGAGCCTGGTAGGCTGCAGT CCATGGGGTCGAGAAGAGTCCGACACGACTAAGTGACTTCAC TTTCGCTTTTCACTTTCATGCATTGGAGAAGGAAATGGCAAC CCACTCCAGTGTCTTGCTGGAGAATCCAGGGACGGGGGA GCCTGGTGGGCTGCCGTCTCTGGGGTCGCACAGAGTCGGACA CGACTGAAGCGACTTAGCAGCAGCAGCAACAGCACCAGCAGT GGGAAGATTCCACATTCCATGCGGCAACTAAGCCCGTGGCG CACGACTACTGAAGCCCATGTGCCTAGAGCCTGTGCTCCACA ACAGGAGAAGCGACCACAGTGAGAAACCTGTGCACATCAGCA AATACCCAGTGCAGCCGCTCAGCTCAAATGGCCCCTCTTGCG TAAAGCTTACCCCTCCACTGAGATGACCTGGTCACACTCTT CTCTAAGTGCCAGAAAGCTCTGTACCTGCTACATCCTGCTCA CAAGGAAGGAAGGACTAACTGCTGCTACCTGTCTGCTCTCCT TACCCGATGGGGCTTCTGGAGGCAAGGACCCCTGGTGGCA TCCCAGTGCCTGGCACGTCATGGGACTTTGCACATGGCTGCT GGGTGAGGAAGCTCCATGGCAGCAGGATGAGGTGCTGGGAA CAAGCAGGTGAGTGGAAAACAAGGGCTCTATGGAGAAGGAGCT GGGACATCGTGAGGTTAGGAGCCATGGGCTCTCCTCAGGATG ACTTCTTCATCATCATCACAGTGGTCCCTCAGGCTGGAACA AAATACTCAGTGCATCAGAGACTTGAGTTCGACTCAGACAAA ATTTGTCTAATTTCTAAAAAAGAATACTAAAAAGAAGATGGC</p> |

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|-----------------|------|---|---------|-------|------|---|
| MSTRG.231934.10 | 0.19 | 0 | 0.00125 | -6.05 | down | <p>TCTGGATATCAGCGTTGCGGCTGGAGGCAGGGCTGGTCCTCA GCCTGTGTCCACTGCCACCTTGGCCTGCTCTTGGCGCCGGA ACTCTGTGCCGTCGTTCCCTTTACCATAATTTGGGACGGCC GGCGTAAGAATTTATGCTATGACCTTCGATTCAGCCAGGAG GTGACACCAAACCTTGATCAGAAACCATGCCACAGGTGAAGAG GTATATTGAGCCCTGCCTGGCCAGTGAGGTTACTAGAGAATT GGAAGAGGCTCAAGTCAGCATCCTGCACATGGTTATCAAACC ATTGTGAAGTCTTAGTAAGTGTACCTGGGATACTTGTTAAA AATGCAGATTCTTGGGCAGCTAGAAAACCTTGTCACTGGTCAA GAGCAACAAGTAACAAGACCTACTTGTCACTTATCCTGAGGC ATCGTGCCAGTGGGTTTACCAGCAAACCAGAATAAAGCATC ATTGCCCTGGATGTCCTTGTGAGATGGTTGGGAAGTCTTGGC TGAAGTGTGGAGAATATCTTTGAAAAGTGTTTTAGAGAGTCT ACCAGATTGGCCATGTGAGTGCCTGTGCAGCAGAAGAGTGGG TCTTCTCAGTGGTTAAGGTAACAAAGTGATTAAGGTAAGTGA AGGAGGAAAGATTGACATTGTCTTGACTCCTATTAGGGAGGC TTGTAGGAATGTCATTTCTAGGGGCCAGTAATTTAAAGCCT GTAGTTTATTCTACAATATATCCTTCTCAAAAACAGTTGGGGT AGGTTATATGCTTACCCAGTCTGAGATCACCCCTGCAGAGGA TCAGAAGAATTGAAATGGTTCCTAAGTAAACTAGGTGGCATA AGCTGCATGTCATAAATAATCTCAGCATGCACTGATTACAGT CCCTTTGGTGAGAGTCTATTCTTTCAAACCAGACTTATTGAG AGTTTTCTTTATCAGCCTATGGAGCTGCATACATCTTGTC AAAGCCAGCTCATTAGCAGAAGCTTATTATTTAAGCAGCAGA CAAGAATATAACACTTTGAATTAGTAATTTAGAGGTAGCAG</p> |
| MSTRG.142554.5 | 0.14 | 0 | 0.0014 | -6.15 | down | <p>GAGTCCACCTGCGTCCGGCCGCGGTGCGCCGAGCGCGCGCG GCGAAGCGACGGGGCTCCCGGAGCCGTGGCGCCGGCCCGG CTGCGGGGAGGGCGTGTGCCTTGGCCGCCCCCGCCCGGGT GAGATTCAGTTTGGAAAACGCGAGGATTTCCCGCCCCCCCC CCCCAATTCGTGATGTGGGCTTAGGGTTACTTTTCGTATTGA CTTAGGAAAGCACGTGCTCTCAAACCTGGCTTTTGGCCTTTC CCTGTCATCGTCAGTGATTCCCTGTCATCGTAAATGATGCGT GGCCGAAGCGACTGAAATGTTTTAAAGCCGGATGCGCCCAG GATGATGTAGTCATGTCAGTTAAGTGGCTTTGGGGTATAAT TTTGTGTGTGTGTAAGGACTTGCAAAAAAATTCCGGCAAGA GACATGTAATGAATTTATGTAGGATTTAGCGTCAATATTGA AGTAATCAGATTTAGTGGTTGGCGCAGCCTCGCAAGTAAAT GGCCCCATTATCTACGAGGTTGAGGTCTTAACTGTTTATTG AGCGAGTTCTTAGGATCAGCTGACTGCTGATTATAATTAC ACTAGACGTAGAGGTTGTGTCCTTAGTTGATAAGCAGAGATT AGAGCTAACATTTAACATTCTACCCCGTAGCAAGTTTCTCT GCTTCTTTTCGGATCATTCTGTTCAAATTAACCTCAGGTCTG CCTAGATGAATAGCATTGCTTGGTGCATAACATAATAGCTTT ATTTCTAGTAGTAACACGTATTAGCTTATATACATTATGTAT ATATAATCGTGCTCTACAACCTGTTTAGTATGATTCAAAGTT GGAAAATTAGGAACAGTAATACTGGGCAATGTTGAGTAGTGA TTGTTTGCCAGACTTGTTCAAATCATCTACACGCTTTATCT CATTTAATCTTTGGGATAACTTTTTGCATAAACATAGGTTAC TCTTAAATACTTGAGTACACGAGTTGGATTGAATGTGTCCA AATGGTGAATATGTACATTAATTGTTTCTGTTTCTGTAAC</p> |

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|----------------|------|------|----------|-------|------|--|
| MSTRG.133391.3 | 15.5 | 0.16 | 0.00217 | -6.59 | down | CGACGTCGGGGCGTTGGCCCGTGGGGCGTGCCGTGCCCTCG CCCGCTCACCCTTTCCCAGGTACCTAGCGCGTCCCGGCGCG GAGGTTTAAAGACCCCTGGGGGGGGGTGTCGCCCGTCCGCC TTGGGGTTCGGGGCGGTGGGGCCCGGGGAGTAGTCGGGAG CTGCCTCCCGTCTCCCCCAGACCCCGCGTCCCCGAGGGG ACGGGGTGGCGCGCGCGTGCGCGCCACGGTCACTGCCGCC GCGGCCGTGGGAGGGGGCTACCCGACGGCCGTGCGTGTGGG CGTGGCCGTGTGCGGCGGCGGTGCGCGCGCTGCCCGCGTC CCTGGGGGAGGGTTGGGGGCCCGGGCGCGCTGTGGGGTTG TCGAGCCCGCCCTGGCGGCTTGGCGCCGACGCCCCGTCGT GTGGAACCTTTCCCGACCCCTCCGTTCTGCTGTTTTCTGTCT GACTTGGCCGGCCAGTAGTCGGGAGCTGCCTCCCGTCTCCCC CCAGACCCCGCGTCCCCGAGGGGACGGGGTGGCGCGCGGC GTGGCGCGCCACGGTCACTGCCGCCGCGCGCTCGGGAGGGG GCTACCCGACGGCCGTGCGTGTGGCCGTGGCCGTGTGCGGCG GCGCGTGGCGCGCTGCCCGCGTCCCTGGGGGAGGGTTGGG GGCCCCCGGGCGCCTGTGGGGTTGTCCGAGCCCGCCCTGGC GGCTTGGCGCCGACGCCCCGTGCGTGTGGAACCTTTCCCGAC CCCTCCGTTCTGCTGTTTTCTGTCTGACTTGGCCGGCCAGAG GCAACCCCTGCCCAACTCCACCTCCGGGGAGGGAGCGCG |
| MSTRG.180512.2 | 0.39 | 0 | 3.04E-07 | -7.24 | down | TGCTGTTCTGACCTTTTGCTGAGTTTATTACTGAGCAA ACTGTGGCTTCATGGTGGAGGGGATCCTCGTTGCTGCACTGGCT CCTCTTTAGTTGCGGTGCAGGGGCTTCTCATTGTGATGGAGC AGAGGCTCTAGGGCATGCAGGCTTCAAGTAATTGTGGCCCTTG CGCTCTAGAACACAGGCTCAGTCTTCGTGGCCAGGGGCTTT GCTTCTCCTCAGCATGTGGGGTCTTCCCAGACCAGGGATCAA ACCCTTGTCTCCTGCATTGGTGGGTGGATTCTTATCCACCCA GCCACCAGGAAGCGCCGATGCCAACTGTCTTGAAAGCATTG ATCTGGATCCCAGACTGAAGCAGGTGATGCTGAAACTCCTG AAGGAATCGTGTATCTTGAGCTGCTCAAGTTTATTTCCACT AAAAATACACCCTGAAACTGGGGCACAATGAAGGATTTCTGA CAATGGGGAAGAGGAATAAATAAAACTCTGGGGCCTTCTG ATTCTTCACTGAGTCACCTCCAAATACTCACCAGTGAGCTGA GCTTGGACCCTCTCCACTCGTCACTGTCATCAGTAAAAGCTC AGGCAGTCCGTGTGGTCTGGGAGCTTAAAAGTCTCGAAGCTT GTGAGTCATTGTTAGGAGAGGCCCTGATGGAAGTGAACCT GCATCTACCAGGGAGGAAAAGAAAGAACTAGAGGGGAAGTGA CTTGGTCTGCACCATTCGGATGAGTGTGCTGGAGTGGGACT TAGAGCCTGCACCGCCTCCTCATTTCACCACCCCACTCCC CAGTCTTCCCAAGCCCCCGCCTGCACCAGCACCTGTGTCT GCCGTTCTGTGGCACATCTTAAGGCAGCCTAGGCATGCCAG GGGGCGGTCAATGAGAGAATCCTCAGTTAGCAATAAAGAATG CTTTCAGCTTCAGGTTACAGAAAACCAGATCAATGGCAGCTC AACTGTAAGGACATTAGTGTGACTCATTGAGACTAGGGAGG GAGGTAGCCCCAAGCTGAGACCACTGACTCAGCCATGTCAAG |

| | | | | | | |
|-----------------|------|---|----------|-------|------|--|
| MSTRG.183083.10 | 0.23 | 0 | 8.02E-07 | -8.57 | down | <p>CTGCGGGAGAGTAGTAAACTCGGGGCCGGAGGCCCTGGTGAG AAATGAGGACACCCGGGAGCCAGGGACGTTAAAGCTGCCGCA AGGATATAACAGGAGGACCTGGGGAGTCGGCTGGATGGGGTA CTGGAGCCGGAGGCAGGAACAGCTTGGCGGTGCAGGTTCCCC CGCTTCCCCTGCTTTCAAAAGGCTGAGAAGCCGGAAGGCTGAG GAACTTCTCGAGGCTCTTCGCAGCTCCAGCTCACAGATGCCG CGGATGAGTTCTGCCTCAGTATCATCAGCTGTGGCCCCACCC AGCCCCATCTCCTCCTAAGGTGACTCAGACTTTGAATTC TGATGGGAAAGCAGCCAGGGATCATGGGTGAGCAGACAGTTT TGATTCCAGCCTACCCTTCATTTACATGAATGGATCTGGGG AAGGGCAAATTCGCAAAGCTCTTCACAGGCTTGTACAGTGT ATCTGAAGAGCAAAGCCTCATGAATTAATAGGAAAAGTACT AAATCCCCTCCATTTGTGTCTAAAGTGGCCAAAGCATCCCAC ATCTCTTCCGATTATCCTCATAGCAGCATATAAACTTCCTGA ACAAAATAAATCGATGGAACCTGCCAGACAACGGCTCAAGGT CACAGAGAAGGACTCGGGCGCCGACAGAGCTCTCCGCTCACAG CCTGCTCCAGGTGCACCAGCTGCTGCAGAGCCACGTCCCCGG CCAGGGACAGCAGGTTTCATCAACAGGAAGGGCCTGCTTCGCA CAGTCTGCAGTATCCGGGCGCAGATCACCTCGGGGCCCTCA GCCAGCTGGTAGATGAGGGCCACAGCCGCTCCTTGAACGGG ACCCAGAGCGGGTCTGGGTGGATGCTGCCTGCACAGGAAGAG GGGAAGCTGCCACCACAGACAGAGGAGCCCTTCTGCCCCAG GCTCTGCGCGCAGCTCACCTTTCGTGACCATCTCACGCAGC CGCTCAAACAGGCGGTGCTCCTGGGGCAGCCGGAAGGGAGGG TGACGTTCCGCCATAGAAGGCTGTTAAGGGCAGGGAAGACAA</p> |
| MSTRG.43629.32 | 1.23 | 0 | 2.45E-07 | -8.61 | down | <p>TGGCAGTGTGCACACCCCCAGCCCCTAAGCACTCTGCAAGGA CGCCTGGCTCCTAGGTCCGAAGGGAAGGCGAGAGCTGAGCTG AGGACCCAGTCAGGTCTCCACACTCCCGCAGCCTGCTCCTT CCCGGGCGGAACGCTAGAAGCTGGGCAGGGCTTGGGGAGGC TCGCCCAGCACAGAGCAGCCTCTCGGCCGGGGCTCTGTGCTA TCGCGCCTGGGCGCAGAGCTGGAGCTCCGCCGGTGTGGAAGC TCACTCGGTCCATCCCAGTACAGGCTTGAAGCACCCGCCGG CAGCCAGCCTCTCTCCCAGGTTCCGGGCATTGGGCTCCAA ACCTGGGACCAAAGTACTGCCCGGAGCTCACTGATCA</p> |

| | | | | | | |
|----------------|------|---|----------|-------|------|--|
| MSTRG.234381.1 | 2.16 | 0 | 2.30E-06 | -9.26 | down | <p>TTTTCAGTGAGTCAGCTCTTTGCATCAGGTGGCCAAAGTATT GGAGTTTCAGCTTCAGCATCAGTCCTTACCAATGAATATTCA GGACTGTAAAGAACAACCTTACTTAATCATTATCAGTATATG AAAGTTCTGGATATTGTCGCCAATGCTTAATATTGTCAGTGT TTAATTTTAGCCATCTGGCTGTTGTTCTGTAGTACCTTACTG TGGTTTTTATTTCCATTTTTTCTAATGAGTTGGAATCCTTTT TATATGTTTTTTGGTCATGTGGATGTTAGCTTTTGTAAAGGAG CCTGTTCTAATCTCATACTTATTTTTCTTTTTTATTGATTT GTATTTCTTTATTTTGTGTCTGAAAATGACCATTTTTACATG TTCATTATATGTATTAACATTTTCAGGATATATATTTTATACA AGCCTAGAATTTGAAGGCCAGAGACCCGTAAGAATATATCG TCCAGTCTCTTATTAATAGCTTAATGTGAAACTGAGACCTAT AGAGATAGTCATTTGCTCAAACCCTCTTCTAGTTAGTAGAAA GATCAGAAATAAAACCAGAAAATAGTCTCTGAATCCTGACAGT AATGACCTTCCCTATTAACATGGAGAGTCTTTAGTCCTTT CTAATATGGTAACTGAGACTCTGTCTGTCTGGGAAGGCCAAG CAATGGAATGCATGACATAGTTATTGTTAATAGCAAATACAG TGTGATATATGATTAATCTCATTGATTCTCTGGACAAAAATA TCCTCAACTAATCAACTGTTTTATAGCATGATGATACAAAAT TTCAACGTGTATTTTTCTTTTGGTCTTAGCTTTATTGTTTTT TCTTTTCCATAGCTTTATTGTTGCATTCAACTTTTCATATTT ATTCCATTACTCCTATCTTCTCATTCAACATTTGGTTCAAAT TCAAGATAATCCATTTTTTTCTATAGCAGATTAGTAAGAATG TTAACTTGTTACTATTGTCATGAAATAGAGCAAAGTTAGGTT ACCAGACATCCTTGCTAATAGAATAACGATGCCTACTATATA</p> |
| MSTRG.36282.7 | 0.19 | 0 | 5.34E-06 | -9.32 | down | <p>GTAGCAGTAGCAGCTTTTTGCTTTAGTTAGCATCCCTAAAAT CTGCACCTGGTAAAAGGATATTCTTTTAAATGGCTCCTTGTG GATTACATTTAAGCTAATTAATAATTTCTTTCTTCCCCCTG TTTTTATTATTGCTTGTGTCAAGTGCCCTTCTTCTTAAAGCA AAACAATTTGTAAATCTGGAATGAGTTATATATCTTTGTT ACATTTTCACTTAGATGCTCTTTGAAAGAACAGATGTGGCGG CAAGTTACTTTCTCAGATTCTGTTACTGGTTCAAACATCAT GGTTCTTAATTTAGAAAAGTTGCATCTGATGATCAAAGAAAAG TCAGAAATCTGTAGGTTTTTGTAGGGGATTGTGTGTTTCTC ATTGTCCTTATTTTAAAATTCTTGATCTTTATTTCTCAATTT CCTGTATCTAACTGGGTTAATGTCTTTTAAATGATTGTAGA GAACAATCCTAGAGATAAGAGAAAGAAAAGCTATTACTGAA TGCCTCTGAGTGTGTGTGTGCTCAGTCATGTCTGATTCTTTG CGATCCCATGGACTGTAGTCCCCAGGCTCCTCTGTCCATGG AATTTTCCAGCGAGAAATTTGGAGTGGGTTGCCATTTCCCTT CTCTAGGGGATCTTTCTACCCAGGGATGGAACCCGCATCTC TAACATCTCCTGCATTGGCAGGCAGATTCTTTACCACTAAGC CTCCTGGGAAGCCACTGGCTGCCTAGTTTTAGGCAGATTCTA TGAAAACCTACACGGTTTCATTTAATTTGCCCTATGCTCCCT TTTTAATGCACAAATAAAGAAAAGGAAGCCAGAGAGGTTT AGTTTGTCTCCAGAGGTCTGCGAGCTGGTAATTTGCAGAGCT CATTTTGAATCAAAGTTTATCTGACTATAAACCCAGATTAC TTTATGAAGACAGCTCCTGTTTTTATGCTGTGGCTTTAAAAT CTAAACCGTAGCTATCTAAAATTAACACAGTTTTTTTTGAGCC TTGAATCCAATAAGAATACAACCTTTTATGAAATAATTTCTG</p> |

| | | | | | | |
|----------------|------|---|----------|-------|------|--|
| MSTRG.148408.2 | 0.33 | 0 | 4.58E-11 | -11.8 | down | GGTCGGACGCGCCCGCAGCGGGCGAAGAGAGCGAAGTGGACA AGGCCGCCATGTTAGGGGTGCTGGAAAGATTCCGCGGAGCCC GCTGAGGTTTTAGGGAACCGGGAGCCGAGTGGTGGTGCAGA GGGACAGTGAGGAGGAGGATAAGTCGGTTGAATCTGTCTTC ACTATGAAAAGATGAGAAAATTTCTTTCTCTCTGAGGGTGTG GGAAGGTCTTAAAAGGCTGATATATTAGTGCTGTTTTTCTCC TTCCTTTTGCATATTATCCTGAAAACATAACATCACTTTGG GTCAGTAGGGGTATGCACTTCACTTGTAGGAGTTAAAATTA TAGCTGATAAGTGGATTACTGTATCAAGGAAAAGACTAGGCAG AGTGATTATAAATGACAAAAACATGGTCAAAAACATTTCTCAG ATGTATGCAGATGATAATTACAGAAATAGTTTATAAAGAAT GATCTTACATATTGTCATGTTTCTAGGAACAAGTCAGATGAA TGGCTTTCATTTTTAAACAGAGGTAGTATGTGTTGGTCTCAG TTATGCATGGAGCTTATGGAATTATTTGTTACTCAGAAATAC CTTCTTTACAAGTAATGTTGGTAAGTATAGGAAAAGGAACAA AATGTGTACTGTTTTCTTTGTGATCTGTGTTTCTTCGTATAA CTATAGACATGTTTTAACCTTAAGAGAGACAAAATAGACTGA ACAGATTTACATTTAGGCTTTCTTCAAACCTACATAAAATTA TTTTAGGGGTGGTGATTCATGGGTGTTGTTGTGTCTCATA TGAACTTATCTTGTTCATTTTGAAGAGACTCCTTTATATAA GCAATAACCTCCTCAATTTGAGTTACTATAAAAAAAAAAATTT GTTGGGGCGGGGAACCCAGCAGATTTCTCAAAAACATTGT ATGAGAGAAATGAGACCTGTATAATATAGTGATTTCTGTAAT TTGCCATGTGTTGGGTAGTTAGAAATTTTTTTCAGACTTTT ATCTAATGGGCATCAAGCCATAAAGAAATGAAATCTAGTTAC |
| MSTRG.12156.2 | 0.97 | 0 | 6.81E-11 | -11.8 | down | TCCCCCGGAAACCCCGGCTCCAGAAGAGCGCGCGGGGAGG GCACCGGCCGTTACTTCTCCGGCGGGCGCGGAGCGCGG TGCAGCCACAGCCCGGATCGCCCCGATCGTCGCGAGCCGGCC CGCCGTCCCCGGCCCCGCCAGGCCTCCCGGATCTCCCGGGGA GCGCTCTGCGGCGCCCGCTTCTCTCCCGGGGAACCCAGGAAC TGAGTTGGGACGCAGGTGGCGCCCCGGATCCCCAGGGCGCAG CCGAGGTCCAGGCAGGTGGCGACTATTCGTGGGATTCTGGG GTCGCGGTCCAGGATCAGTCCGCTTGGGGTTCTTATCCCC GTGTCGAGTGGCTTTGGGGTAGGTGGGTGGGCGGCGAGCAG GGTTCGGGTGGGCCCGCCGTGACGCGGAGCCGGCTCCG AACTTGGGCCGCGGGGCTGGGGTCGCCGAGGCGGCTGGGGC GCGCAAGGCGCGCCGCTCGTTTCACTTGTCTTTGTTTTAAA AGGAAACGCAGGCGTGAAGGCGGGGTGGCTCCTGCCGGTGG GCGCCCGGCGAACCTGATTTCCGCTGGGGGCTTGGGGACGC GCGAGAAGGTGTCTGAGGGCCCTGGCGCGCCCTGGTTTGCC GGTGACTTACCGAGGGCGCCGGGCCGCAAGATCCGGGGC GCCTGAAACACCTGGGGAACCTGCGGCTCCCACCCCGCTCCC CGTCACCTGCGCTGTCGCGTCCGGGGCCCGCCAGGGCGGCA GGCAACGGGGCGCGGGGAGGATCCGGCGGCTCTACCGAGAC CCCCGGGGCTCCCCAGGACCTCTGCATTCCGGGCCCTTGATG CTGGGAGGTGAATGTGGGGACAGTGTGCGAAATGGGGTTATG GGTGCACAAGACTGCCTCTAATTTCCGGATCTTACAGCATTT TGGACGAAGGGTAACAGCGTTTGTGCGTATATGTTTTTTTT TTTTTCCAAGCACTCGAGACTTTTTTATTGGCCTGTATTCA CTGTACGGTATCCTAAAATAGTATTTGACCTGCAGTTATT |

| | | | | | | |
|----------------|------|------|----------|-------|------|--|
| MSTRG.16757.11 | #### | 12.6 | 2.42E-07 | -12.5 | down | TTTTTCATCGCCGGGCGCGGTGGCGCGCCTGTAGTCCCAGC TACTCGGGAGGCTGAGGCTGGAGGATCGCTTGAGCTCAGGAG TTCTGGGCTGCAGTGCCTATGCCGATCGGGTGTCCGACTA AGTTCGGCATCAATATGGTGACCTCCCGGAGCGGGGACCA CCAGGTTGCCTAAGGAGGGGTGAACCGGCCAGGTCGGAAAC GGAGCAGGTCAAAACTCCCGTGCTGATCAGTAGTGGGATCGC GCCTGTGAATAGCCACTGTACTCCAGCCTGGGCAACATAGCG AGACCCCGTCTCTTTGAGTT |
|----------------|------|------|----------|-------|------|--|

Table S2. Significantly enriched GO terms.

| #GO_classify1 | GO_classify2 | All gene | DE gene |
|--------------------|--|----------|---------|
| #Total_gene | | 21276 | 157 |
| cellular component | extracellular region | 4233 | 23 |
| cellular component | cell | 17944 | 144 |
| cellular component | nucleoid | 41 | 1 |
| cellular component | membrane | 10248 | 62 |
| cellular component | virion | 12 | 0 |
| cellular component | cell junction | 1440 | 10 |
| cellular component | membrane-enclosed lumen | 2698 | 38 |
| cellular component | macromolecular complex | 5663 | 61 |
| cellular component | organelle | 13348 | 126 |
| cellular component | other organism | 6 | 0 |
| cellular component | other organism part | 6 | 0 |
| cellular component | extracellular region part | 3171 | 19 |
| cellular component | organelle part | 8111 | 81 |
| cellular component | virion part | 9 | 0 |
| cellular component | membrane part | 7250 | 37 |
| cellular component | synapse part | 383 | 2 |
| cellular component | cell part | 17944 | 144 |
| cellular component | synapse | 558 | 3 |
| cellular component | supramolecular complex | 760 | 8 |
| molecular function | transcription factor activity, protein binding | 414 | 4 |
| molecular function | nucleic acid binding transcription factor activity | 916 | 13 |
| molecular function | catalytic activity | 8106 | 56 |
| molecular function | signal transducer activity | 2564 | 8 |
| molecular function | structural molecule activity | 616 | 8 |
| molecular function | transporter activity | 1691 | 6 |
| molecular function | binding | 14457 | 128 |
| molecular function | electron carrier activity | 154 | 1 |
| molecular function | morphogen activity | 4 | 0 |
| molecular function | antioxidant activity | 71 | 1 |
| molecular function | metallochaperone activity | 5 | 0 |
| molecular function | protein tag | 3 | 0 |
| molecular function | chemoattractant activity | 42 | 0 |
| molecular function | translation regulator activity | 25 | 0 |
| molecular function | chemorepellent activity | 5 | 0 |
| molecular function | molecular transducer activity | 2504 | 5 |
| molecular function | molecular function regulator | 980 | 9 |
| biological process | reproduction | 1341 | 11 |
| biological process | cell killing | 48 | 0 |
| biological process | immune system process | 2261 | 25 |
| biological process | behavior | 572 | 5 |
| biological process | metabolic process | 11762 | 88 |
| biological process | cellular process | 17219 | 129 |
| biological process | reproductive process | 1275 | 11 |
| biological process | biological adhesion | 1570 | 5 |
| biological process | signaling | 6550 | 37 |
| biological process | multicellular organismal process | 10758 | 80 |
| biological process | developmental process | 8186 | 80 |
| biological process | growth | 392 | 8 |

| | | | |
|--------------------|--|-------|-----|
| biological process | locomotion | 1382 | 10 |
| biological process | single-organism process | 15641 | 121 |
| biological process | biological phase | 34 | 0 |
| biological process | rhythmic process | 166 | 0 |
| biological process | response to stimulus | 10538 | 82 |
| biological process | localization | 6912 | 45 |
| biological process | multi-organism process | 1682 | 16 |
| biological process | biological regulation | 14451 | 109 |
| biological process | cellular component organization or biogenesis | 6170 | 56 |
| biological process | cell aggregation | 20 | 1 |
| biological process | detoxification | 84 | 1 |
| biological process | presynaptic process involved in chemical synaptic tran | 53 | 2 |

Table S3. Significantly enriched KEGG.

| #KEGG_n | | KEGG_N |
|--|---------|--------|
| Spliceosome | ko03040 | 4 |
| SNARE interactions in vesicular transport | ko04130 | 2 |
| Ribosome biogenesis in eukaryotes | ko03008 | 3 |
| Ras signaling pathway | ko04014 | 4 |
| RIG-I-like receptor signaling pathway | ko04622 | 3 |
| Primary bile acid biosynthesis | ko00120 | 1 |
| One carbon pool by folate | ko00670 | 1 |
| Nucleotide excision repair | ko03420 | 2 |
| Measles | ko05162 | 4 |
| Longevity regulating pathway - multiple species | ko04213 | 2 |
| Legionellosis | ko05134 | 3 |
| Influenza A | ko05164 | 3 |
| Hypertrophic cardiomyopathy (HCM) | ko05410 | 2 |
| Epstein-Barr virus infection | ko05169 | 5 |
| Endocytosis | ko04144 | 4 |
| DNA replication | ko03030 | 2 |
| Complement and coagulation cascades | ko04610 | 2 |
| Arrhythmogenic right ventricular cardiomyopathy (ARVC) | ko05412 | 2 |
| Antigen processing and presentation | ko04612 | 3 |
| Aminoacyl-tRNA biosynthesis | ko00970 | 2 |

Table S4. LncRNA-miRNA co-expression network.

| gene_name | gene_log2FC | gene_regulated | lncRNA_name | lncRNA_log2FC | lncRNA_regulated |
|-----------|--------------|----------------|-----------------|---------------|------------------|
| IGF1R | 0.481573148 | up | MSTRG.128763.1 | -0.782306327 | down |
| | | | MSTRG.13578.1 | -1.407501398 | down |
| | | | MSTRG.137849.6 | -1.176385269 | down |
| | | | MSTRG.100266.1 | -1.235290401 | down |
| | | | MSTRG.103991.1 | -1.089861162 | down |
| | | | MSTRG.12482.1 | -0.66492613 | down |
| | | | MSTRG.120825.1 | -0.334559953 | down |
| | | | MSTRG.117221.1 | -0.932416378 | down |
| | | | MSTRG.108092.1 | 1.182532533 | up |
| IRS1 | -0.463087677 | down | MSTRG.108579.2 | -0.285494922 | down |
| | | | MSTRG.133330.1 | 0.11465383 | up |
| | | | MSTRG.137860.1 | 0.770134252 | up |
| | | | MSTRG.106118.1 | 1.115603831 | up |
| | | | MSTRG.113577.13 | -0.498159706 | down |
| | | | MSTRG.117494.6 | 0.926473667 | up |
| | | | MSTRG.12205.2 | 0.375688612 | up |
| | | | MSTRG.122434.1 | 0.328846168 | up |
| | | | MSTRG.125445.3 | -0.323133452 | down |
| | | | MSTRG.133282.1 | 1.026545002 | up |
| | | | MSTRG.133279.1 | 0.480801455 | up |
| | | | MSTRG.131525.1 | 0.205516541 | up |
| | | | MSTRG.128161.5 | 0.354207201 | up |
| | | | MSTRG.102914.4 | -0.083138298 | down |
| | | | MSTRG.103314.1 | -0.60974236 | down |
| AKT1 | 0.130986577 | up | MSTRG.104185.1 | -0.00725758 | down |
| | | | MSTRG.105346.1 | 1.048259926 | up |
| | | | MSTRG.107702.19 | -0.779822599 | down |
| | | | MSTRG.111347.19 | 1.260568359 | up |
| | | | MSTRG.113751.1 | -0.429326947 | down |
| | | | MSTRG.120618.45 | -2.172799702 | down |
| | | | MSTRG.12205.1 | 1.227420304 | up |
| | | | MSTRG.117686.3 | -0.811084015 | down |
| | | | MSTRG.119102.2 | -1.095434619 | down |
| PIK3R1 | 0.14623156 | up | MSTRG.134401.1 | 0.314609974 | up |
| | | | MSTRG.103177.1 | 0.270976279 | up |
| | | | MSTRG.120824.1 | 0.972039436 | up |
| | | | MSTRG.123964.1 | -1.016894197 | down |
| | | | MSTRG.128131.1 | 1.514764023 | up |
| MTOR | 0.370152329 | up | MSTRG.133381.13 | 3.398279559 | up |
| | | | MSTRG.13401.1 | -1.384289876 | down |
| | | | MSTRG.10286.2 | -2.296876105 | down |
| | | | MSTRG.108811.1 | -1.695849876 | down |
| | | | MSTRG.116750.1 | 1.160655598 | up |
| | | | MSTRG.117744.2 | 10.00030544 | up |
| | | | MSTRG.108560.5 | -2.136835727 | down |
| | | | MSTRG.110124.7 | 2.928086144 | up |
| | | | FOXO1 | -0.892254044 | down |

| | | | | | |
|------------|--------------|------|-----------------|--------------|------|
| | | | MSTRG.111545.1 | -0.696918911 | down |
| GSK3A | 0.10592042 | up | MSTRG.102914.1 | 0.695194772 | up |
| | | | MSTRG.106618.1 | -0.323118096 | down |
| | | | MSTRG.111044.3 | -1.423666078 | down |
| | | | MSTRG.117892.3 | -1.352206727 | down |
| | | | MSTRG.133055.1 | 1.518355214 | up |
| | | | MSTRG.133381.12 | -1.581109074 | down |
| | | | MSTRG.134631.1 | -0.509101392 | down |
| | | | MSTRG.136192.1 | 0.619506817 | up |
| | | | MSTRG.136197.1 | -1.308633625 | down |
| GSK3B | -0.227301843 | down | MSTRG.139409.1 | 0.02971043 | up |
| | | | MSTRG.101877.1 | 0.079334886 | up |
| | | | MSTRG.103771.1 | -0.023973242 | down |
| | | | MSTRG.111347.14 | 1.340697835 | up |
| NF-kappa B | 0.125113106 | up | MSTRG.105299.1 | 0.764673497 | up |
| | | | MSTRG.109472.1 | 0.588752099 | up |
| | | | MSTRG.129991.1 | 1.060896867 | up |
| | | | MSTRG.133086.11 | -0.935614266 | down |

Table S5. Primers used for qPCR

| primers name | sequence (5'-3') |
|---------------------|--------------------------|
| GAPDH F | ACATACTCAGCACCCAGCATCAC |
| GAPDH R | ATTCTGGCAAAGTGGACATCG |
| MSTRG.111347.2 F | GTGGGTGGGTGCAAGTGATA |
| MSTRG.111347.2 R | TTGTGCCTTCCAGTTCTCCC |
| MSTRG.119476.4 F | CAGAGGATGAGATGGTTGGATGGC |
| MSTRG.119476.4 R | TCAGTTCAGTCGCTCAGTTGTGTC |
| MSTRG.143209.3 F | CCTCTTCCGTGATCTCTTCTAGG |
| MSTRG.143209.3 R | GTAGGATCACACAAGTCACCGT |
| MSTRG.14510.5 F | TGCATATGAAAACCACCCTCCA |
| MSTRG.14510.5 R | TCCAGTCACCCGAGTAGCAT |
| MSTRG.129912.5 F | GTGTGGAACGCAGGCTCAGTAG |
| MSTRG.129912.5 R | GGTGGTCCAGTGGTTAAGAATCCG |
| MSTRG.133982.9 F | GTTTGGTGAGTGAGTCCTGGG |
| MSTRG.133982.9 R | GTGCTTGGCTCCGAATCCT |
| MSTRG.167273.1 F | TTCAGTTGCGCGTATCAGATCCAG |
| MSTRG.167273.1 R | TCCAGTGGCTAGAACTCTGTGCTC |
| MSTRG.205178.3 F | ATTCAGGCTGCCTCTTGTGTTGG |
| MSTRG.205178.3 R | CTGGAGAGGAACATTGGCTTCTGG |
| MSTRG.100266.1 F | TAATGTCAGGGTGGCTGGAAG |
| MSTRG.100266.1 R | CAGTCTCCTTCCTCTCTTGCC |
| MSTRG.103991.1 F | TTGGATAATGTGGGGCGAGG |
| MSTRG.103991.1 R | ACGTGACCCCAGCTAAACAC |
| MSTRG.119236.1 F | GAATACACAGTTCGAGACGGGA |
| MSTRG.119236.1 R | GGCTGTCACTTTCTCCCCAC |