>*LcERF-1*

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TAA

>*LcAP2/ERF-2*

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>*LcERF-3*

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>*LcERF-4*

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A

>*LcERF-5*

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>*LcERF-6*

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>*LcERF-7*

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TCGGGGGGTGTTTGGCAACGAGGTTGGGCTGGGTCAACACGCTGATCAGAATTTGAATATTCTGGAT
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>*LcERF-8*

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>*LcERF-9*

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AGCCGTTTGAGGCTCTGGAAGAGGATCACATCCAACAGATGATTGAGGAATTGATTCATTATGGGTC
TGTTGAGCTCTGTTCTGTGGTGCCGCCGTCTCAGGCCTTTTGA

>*LcERF-10*

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GGATCAGCAGCTGCTGGACGTTTCCCCGTCTTCAATTCGCAAAAGGGCCATTGAGGTCGGCGCCAGA
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>*LcAP2/ERF-11*

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>*LcERF-12*

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>*LcERF-13*

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>*LcERF-14*

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GGTGGCGGGGTCCGAGGAAAGAGGAGAAGATCATGATTATTTTGAAGAAATTTTGATGGGTTCGGAT
CCTCTGGTGGTCCTATGA

>*LcERF-15*

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>*LcERF-17*

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>*LcERF-18*

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>*LcERF-19*

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>*LcERF-20*

ATGGCTTCCACTGATGACGCTTCCACCTTAGATCTCATCAGACACCACCTTCTCAACGATTTCAACTC
CATCGAAGCCTTCGCTTCCAATCTCCACTTCAACGGCAACGGAATCACACCTCAAATCCCTGCCGCTC
CTTCCAAGATCGGCCAGCGGCGCCCGTCGCTGAACGTCGCGATTCCACCCAAGAGCTACTCGGTCG
AATCCACGGCGACTGCGACGGCGACGTCTGAGGCCAAATCGGATGTGGGTCTGAGCCGGCATTACA
GGGGGGTTCGCCGGCGGCCGTGGGGGAAGTTCGCCGCCGAGATTCGGGACCCCAACAAGCGTGGA
GCTCGTGTTTGGCTTGGAACTTACGATACCGCCATTGAAGCGGCGAAAGCTTATGACAGAGCTGCTT
TCAAGATGAGAGGAAGTAAGGCGATTTTGAATTTTCCTCTTGAGGCTGGGAAGGAGCCGGAGGAGC
CGCCGTCGACGGCGGCGGTTGGTCGTAAAAGGAGGAGGGAGAGTGAAGTTGGGGAAATGGAGAAT
AAGGTTGTGAAGAAGGAGGAATCGTCGTCGGAAACAAATGAGATCGGAGTTCCGGCGGCCGTTTGT
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>*LcERF-21*

ATGGAACTACGAGAAGAAGAAGAAGACGATTTCTCACCGTTAAAGTTCATCCAGCACCATCTTCTCC
AAGACTCCGATTCCTTCTTCACTCTCCTAGATTTCGATTTCCAGTCGCCATCCGCCTTCTTCTCGCTCC
CGCCGATCAAACTCGAATTCGACGATTTCGAGTACATGAAACCGTCGGAAGAGGAAGAGCCTCCGA
TTCAGAGTCCGAAGAGCCACCGGGCGGAACAGTCGCCGCAGGAGGTGTCGAGTTCGGACGGCGGG
AGGAGGTACAGAGGCGTACGACGGCGGCCGTGGGGGAAGTTCGCGGCGGAGATCCGAGATCCGAG
TAGGAAAGGGAGTAGAGTTTGGTTGGGGACTTTCGATTCGGATGTGGATGCGGCTAGGGCTTATGAT
TCTGCTGCGTTTAAGATGAGAGGAAGGAAGGCTAAGTTGAATTTTCCCTTGGATGCCGGAAAGTCCG
ACCCACCGCTGGGGAATGGCCGGAAGAAGAGGAGAGAGATGACAGTGAATTGA

>*LcERF-22*

ATGCCTGCAACTTGGAATCAACTCAAAACAATAAACAAAACTCTTCTCAAATTAACATATTTTCCCATT
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TGAGGCCCCTCATGGCCATGGGGAGCTGCAGAAAGAAGGCATCATCAAGAGGCCACCATCGCTATG
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GCTATGGCTTGGGACGTTCGACACGGCGGAGGAGGCAGCTCGGGCTTACGATGATGCAGCGAGGG
CACTGCGTGGCTCCAACGCTCGCACCAACTTTGACTACTTGCCTCCGAGCTCTTCGTGCTCTGTTGTA
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GATCTGGATTCTGGCCGAGGAAGTGGGTGGTTCAATGCTTCCGCCGCCGTGGGAATATACGCGTGGC
CGGTGGTTTCAGGTGGACTAGAAGAAGAGGGTATTGAAAATGTGTTATGTAGTTTAAATGGTTTTGTA
TGTGGAGGAATCAATAATTTATAA

>*LcERF-23*

ATGGAAACGCTCACGAACAGAACCGATCTTCAGTTGTCGGATGTTTCGACGGCTCTTTCGAATCTGAT
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AGAGTGTGAAGAAGAAACAGAGGCCTGGTGGCGATTTGGGTTCGGGCTCGTGTTCTTCGTCTTCGTC
ATCGGTGTCTCTGCCGCCGGCGATGGTGGAGTTGACGGATGAGTGGAGTTGGGAAAGGGTGTCGCC
GGCGGGGGCGGCGGCAGAAGAGGGGTTGTGGAGTTTTGAGGAGTCGCCTCGAGCTGTTTCTATGGA
TTGCTCGACGGTGACAGCGGCGGCGGGATCGGAAACAGAGTGCTACTCACTGGAGAAAATGCCTTC
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>*LcERF-24*

ATGGAGCTCGAGTTAGGTGCCTCTAATTGGGTCCATGATTGCTTAGAGGCTGCGGCGAAAACTGGGA
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GGAAGGCTTCAAAGGGAAGGGATGGGGTCGGCTAGCAGGGGAATTATCAGTGGTGCTAGTTGGTCA
CAATAAATTAGGGAAGACGCTTAAGGGGCCTATCCAAAATGTCGATCTTAGGAAAGAAATGAAAGAT
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AGCTGAGAGAGTCGTCCTTCACCTGCCAAAGGAAGCAGTCGTAGGGGGTCAGATGATTCAGGAGGA
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TGGGTTTAGAAATGGGCCTTCAGGCCTGAAGGTAGCAAGCCCAATTCGAATTCTCCAAAGGGGACAA
CCCAGCCTAGGTTAG

>*LcERF-25*

ATGGCTGACCAAAAGCTTCCAATTAATGACACCCAAATAGACCAATCTCTTCCTCATCAGCCTCTTCC
ATCAAATTCTAAACCAATTTCCATTGACCCTTTTGTTTCTTCTGTCCCCACATGCCAAAATCCAAACCC
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CTTCCACTACCACCTCCATCATCATCCATGGCTTCTTCAACAATAACTTCTTCTTCTTCCTCTTCCTCTT
CTTCAACCAAGAGGCATTCTTTGTATAGAGGAATCCGGTGCCGGAGCGGCAAATGGGTGTCGGAGAT
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CCTCCTACCCTGTTCCCGCCTCGACTTCCCCGGTCGACATACGCTCTGCCGCCTCCACTGCTGCTGCT
GCCACCGCCGCGAATGCGTCGAAAAAGGCCCGAGCTTGTAGTAGTAGTAACATTGAAGATGCGACG
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GAGGAGATTTTTGGGCTGCCAAGTTTGCTGGCGGACATGGCGGAGGGGATGATGGTGTCGCCGCCG
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AGCTACTTTTGA

>*LcERF-26*

ATGTACCAGAGCACTAAAACAGAGTCGGAATTTGCTTTTCTTGACCCAATTCGCCGCCACTTGTTGGG
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GGACGACTCTGAAGATATGCTGCTCGCCGCCGTTCTCCGGGATGCCGTCGGTGCAGGGTGGGTTCC
GTCGCTCAATCCATCGGCGTTCGGAAGTTGCGATTTTGAATTTGCGGCGGTGAAGTCGGAGCCGGAG
GTGCTTCCGGTGAGTTTCCCACCGGTGCTACCGAATGTGGCGGTGAAGCCGGTGGTGGTACCGGAG
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TCCGGCGAAAAATGGTGCTAGAGTTTGGCTTGGAACCTATGAGACGGCGGAGGATGCGGCTCTAGC
TTATGATCGAGCGGCCTACCGAATGCGAGGCTCGAGGGCTCTGCTCAATTTCCCCCTCCGAATCAAC
TCCGGCGAGCCCGAACCGGTTCGAGTCACGTCGAAGCGATCGTCGCCGGAGCTTTCATCTTCACCAA
AGCGGCGGAAGAAGGTTAGCTCCGCCGTAGAAGGTGGAGGAGTACAAGTGGAGCAACAAGTGGCA
AGCTTTACACATGGAGGGCAGCTGTTTGTCAGCCACTGCTAA

>*LcERF-27*

ATGGTGAGCTTAAGAAGACGTAAACTCCTGGGACTTTGCACTGGCAAAGGCTCATTTGTTGCTCCAGT
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AATGGCAGGCTGCTATAAAGGTTGACAAGAAACAAATACACTTGGGAACTGTAGGATCACAAGAAG
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GACGACTCGAACAAGAGACATGATGAGTTCAGTGACCTCTCAGCCATAGAAGACGTGGAACCTGTT
GCCTCTACCTCCTGA

>*LcERF-28*

ATGGAATCCTCTTACTTTTCATTCTCCGATTCGGATTTCTCGACGGAATCTTCATTCGGATCGCCGGAA
TCGTGGAGTGAATTTTTCTCGATCCACAGTGCCCTAGAAAACTCAATCTCACTGCCGGACGAATTTCT
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CCTTGGGGGAAATACGCGGCGGAGATCAGGGATTCGACGAGGCATGGAGTTAGGGTTTGGCTCGGG
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CGGCGGCGAAAAGCCAAGGGGTGGCGGAGAAGAAGAAGATGAAGAAGAAGAACAATGTGGTGATT
TTGGAAGATTTGGGAACAGAGTATTTGGAGGAACTTTTGATGCTAAGTTCATGTGAGAGTAGTAGTAG
TATCAGTCCTTTCTGA

>*LcERF-29*

ATGGGGTCGCTACGTCGCCGAGATACGCAACCCTTGGAAGAAGACCCGTGTCGGTTGGGCACTTTC
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AAAACCAACTTCCCCCCACCTCTCTCCGCCGCTGCCGGCCTCTCCCTCGACCTCAACGTCTCCGGAC
CCACTTCCTACCACTGGCCCACTGCCGCCGCCGCCGCCATTTGCTCGCCGTCTTCCTCTTCTGCCCGT
CTCGTCCTCAGCGATTTCCTCCGGCACGACGCTCGCAACGACCTGTGCAATGTGAATGTCAATGTGG

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GTGGCTATGA

>*LcERF-30*

ATGACGAAGCCCTCCTCCCCTCAGAAATCCGCCGCCGCCGACACCAGCGATTCCCGCTACAAGGGG
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CGTGGCCGCTCGGCTCGCTTCAATTTCCCCGACAACCCCCCGGAGATCGCCGGCGCCAGCTTACTCT
CCCGCGCCGAGATTCAGTCCGTGGCCGCCCAGTTCGCGAACTCCGACCCAACTCCCTCGTCGGAATA
CACCCGACCCACCACCGATTCGCCGACTAACTCGCCGTCGCCGTCGGTGACGACCGCCGTGATCGA
GTGTGATGAAAGATCGCCGTTTTTGGATCTTCACACCGACATAGTACCCGACAATTACGGGTCGGATT
TCGGGTTGTTTAATGAGTACAACCCGTTTTACAACGAATTGTTCAGTTCTTCTGCAACTCCTTCTTTTGA
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>*LcERF-31*

ATGGTTGCCAAAGAGAAATCCACCACTAAAAAGCTTCCCTTTCTCTGCAACGCCGACAACAATGGCA
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ACACTGCGTGCGAGGACGAGCGACGGCGACTCATTTCAGACCCCGATTCAGATATGGAGCTTATTGG
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CGTCCTCGATTTCTTGCTGAGACCGTCGGCGCTGCTCGAATCTCTCGACGTTTGCTAGATCTGCGGCG
ACCACCCACGCAAGATATGTTTTTGACTTCTCCGCTGACCGTCACCATCATCAGCGTCTTCGACTTCTC
CTCTGTGTCTCCGGCAAGATCTGCGGCAACAGGATCATTCTCGTTCCAGATCTGCGTCTCCGACAAG
CTCTTGTCTTAG

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ATGCCCAAGTTTAAGAAGTTCAGAGGTGTCAGGCAACGCCATTGGGGCTCTTGGGTTTCTGAAATTC
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GGCCAAGCTCAAGAAATGCTGCCGTACTCCGTCGCCGTCGATGACGTGCCTGAGGCTCGACACTGA
GAATTCGAACATCGGTGTGTGGCAGAAGAGTGCCGGGCAGCGGTCCGCGTCCAGCTGGGTCATGAC
CGTCGAGCTCGGAAACAAGAAGAGCCACGACAACGACATGGATTCTCCGATGGCTGTGGTTGGTTC
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GGTGGCGTTGCAAATGGTGGAGGAACTGCTTCATATCAACTATGGTGATCCCAACGAATTGTTTGAG
ATTCAACAAGGGAAGGATGTTTATCTTTAG

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ATGGCCGCCACACAGAGCTCCAAACCTTCACCTCAACCTCCAAATCCTTTCAATTCCAACACCCAAC
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CGACAGAGCAGAAGATGCTGCCATGGCTTATGACAGAGCTGCAAGGCTTCTCAGAGGAAGATCTGC
AAAGACAAACTTCCCATATGATCACCATCATGGCTTCTTCAATTCCACCATTAATGAACAAGCTCGCT
CCCTGTTTGGACACAGTCCCAAGCTCTGCCGTCTGCTTCAACATGCCATCATGAAGAACAGAAGCCG
TTCGAGATCAACCACTGCTGATTATCATGATGATCAGCAGCAGCAGCCAAAGATAAATAATGGGTTT
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GTGGGTTCTATTTTGGGAGTTCGAAAGTTTATACTTCTGTGTTTGTAGCTCCTTCTTTTAGCTCTGATGT

GAGAAGTGAAGTAGAAGAAGGAGAGATGATGAATCCATCGTCCATGGAAGCTTTGATTTAG

>*LcAP2/ERF-34*

ATGAACTCTTCTTCTTCTTCCTCTTCCTCTTCTTCAGCCTCTCAAAATTGGCTTGCTTTTTCTCTCTC
CAACAATCCCAACTCTCTCTCTCTCTTCCATCATCCTACCGATATCTCTATCTTCTCCGCCCCCGCCCC
CAAGCTCGAGGACTTTCTCCGGGCTGCTTCCGCTCCCCCTCCGCAGCCTCCCTTTCAGTTCTCAGCCC
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GCCGCTAGTTTCCTCCGTGGAGCTCCCACCCAGTTGCCGGACCAACAGATTCAGCATCTCCACGCGC
CGCCGCCGCCGGCACCTCAGCCGGACACCCCTGCCCCGCCGCCTAAGAAGGCCGTCGATACTTTTG
GCCAACGCACCTCCATCTACCGTGGCGTCACAAGACATAGATGGACTGGTCGATATGAAGCTCATTT
GTGGGATAACAGTTGCAGAAGAGAGGGTCAGAGTAGAAAAGGAAGACAAGTTTATTTGGGTGGTTA
TGACAAAGAAGAAAAAGCAGCTAGAGCTTATGATCTTGCCGCTCTCAAATACTGGGGTCCGACCACC
ACCACCAACTTTCCGGTGTCGGACTATGAAAAAGAACTGGAGGATATGAAGAACATGACCAGACAG
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TACTGGTCCATGCTCGGCTACAACCCCGGCGCCTTCAACACAAACCTCCCCAAACCCGAAAACATCC
CACCGTCATCGTCGTCGTCAATGACAGTATTCCAACAATCTTCAAACACCGGATCCACAATGTTCCCC
GCCATCGCGGACCTACCTTCGAGCGGCTCACCGCTCACCGAAGGCTCGGTATACAGCGGAATGTAC
GTCCAGCAACAACAATATGCAACACCAATTGCATTGAGCAGCGGAATAAGCATTGAGATTGGGCAAT
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A

>*LcAP2/ERF-35*

ATGAAGCCGATTAAAGACGGCACCAATAGAGAAAGAACAACCTCCATGGCCGGCTCCAATTTTACC
ATGAACACATCTCAGAAATGGAAAGTGAAGAAGACAATTTCAGTCGATCTCATGACGAAATCCACGT
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CAAAGCGAACTCGGAGGAGTGTCCCGAGAGATTCTCCTCCTCAACGAAGCTCAATTTACCGCGGCGT
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TACGACCTTGCAGCATTGAAATACTGGGGACATGAAACCATTCTTAATTTTCCGTTAACGACGTACCA
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TCGGCGACGGAGTGCCCGTCGACGCCGTCGTCGTCGGAACAGAACGAACGGCGGCCGTGTTTGTTT
CCCGATGATGTTCAGACTTTCTTTGCCTGTGATGGCTCCGGATCTTACTGCTATGGAGAAGGTGATGA
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GAGGCCCTTTTCTTCCGATGAATCGGAGGAAGAAAACCCGTTCCCGATCTACTCGGCTAGATCTCAA
CATGACATGTCGGCCATGGTTTCTGCGCTAGCTCAAGTGATAACGAGTGGCAGTAGAAGCCCAGTAG
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GACACTGCGGAGGCAGCGGCACTTGCTTACGATGAGGCCGCCCTCAGATTCAAAGGAACCAAAGCC
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ATGGAAATCCACTTCCAGTCGCCGGAGACCCACGGAGGAGCCGCCACATCAATGGGCAAATCCAGC
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ATGGCTGAAGATGGCTGTTTTGTGGCGTTTGATTGCAGAGAAAAGACATCAAGAAAGAGGCGAAATG
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TATGGCTTGGCACTTTCGCCACTGCTCAACAGGCTGCTGTTGCTTATGACGAAGCTGCCAAAGCCATG
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GATTTTGACATTGGGAACAGATTAACAGAAGGAAATATCAAGGAAGGATTAGCTGATGATATAAGAA
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TTTAACGATTGCAATCAATATATGCTACAGAAACTTCAGAGTAATCCATATGCAAGAACTTACTGGAT
ACCGGAATGGAAGATCAGCGATCTCGAGTTGCCGCCGATGGTGATGGAAGGAAAGCCGACGGAGA
TGGAGAGCTATGGAGACTGTATGGCCTTCAACCGTGATCTGAGTTTGTTGCTGGATCGGCAAAAACA
CATGGGAGTTGGAGACCAGAGAGTTGATGATTGTAACTTCGAGTTTTTGAGACCTGATTATGATTTTG

GGTTGGAGGAGGAACGCAAGTGGCTTGATTCATGCTTCCATGGATGA

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ACAACGACGATCAACGCGACCGGGCGGCCCGGTTTCCCCCCGTCGCCGGCGTCTGTTCGCAGAGGA
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CCTACCTACCAGGAAAGAGCAATGGAGAAGAGAATAGAAGTTGAATCCTTACCGAACTGGGGTTGG
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CCCTTCTTCCCCTGCTGTTCCTCCGCCCTCGCCCCACCATCTTCTTCCAGCGGCGCCGCCGTTCCTCC
GCTACCGCATCCCGCCCGACATTCCCGCCAGTAACAGCCTACCTCATTTTTACTGCAGGACTTAA

>*LcERF-40*

ATGTATTTTTCCAAATCCAAAACCCCCAATTGGGCTACTTCAGGAACCACTACTCCTCGTTACCGAGG
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TGCACGTGACATTCAGGCTGCAGCCACGTCTGCTGCCGCGGCAATTGGAGCGGCTGCAGCTGCGAT
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GGGAAGAAGGAGAGGGATTTGTAGATGAAGATATGATATTTGATATGCCAAATATTCTGATGAACAT
GGCTGAAGGAATGCTTCTGACCCCTCCATCCTTCAACTTCAACATTAATGCTCCAAATGATTTTGATTA
TGCTCCAACCTATGCTCAAGATACCCTTTGGAATTTCCCTTGA

>*LcERF-41*

ATGGCGGATCCAGAGGACACCAGAGTTTCAGAGATGATGTTTCTGGGTTTCAGTAGAGACATGGAGA
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CGGCTTCTCTCATGGCGGGTCAACATCCTCTGTAATTTCAGGAGATTCAAGCAATGCAGTGATCATAA
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CGGCGGAGCAACCACCGGCGAGAAGAAAATACAGGGGAGTAAGACAGAGGCCGTGGGGCAAGTG
GGCCGCCGAGATTAGAGACCCGTACAAGGCGGCGCGAGTTTGGTTAGGTACCTTCGACACGGCGGA
ATCCGCCGCTCGTGCTTACGACGAAGCCGCCCTCCGGTTCCGAGGCAGTAAAGCCAAGCTCAACTTC
CCGGAAAATGTGCGGCTGCGGCAACTTCCGACCACCGAATCTCCGGCGACCCATTTTAGCAATTCCA
ATTCTACGAACACCCTTTTGGCTATTCCGACTAATTCCGAACCGATTGTCCATTCTCAGCCAATTCCTA

GCTTGCAGAGTTCTTCCGATGCTTCGCCGGTGAACTTCCTTAATTTCTCCGACGCTCAATTGCAGCGG
CCAATCGACATGTACAGTGAAATTAACTTCTCTTCTTCATCAGCAATGGCTTCCCCTTTCCATTCTTCTT
CCGTTGGACTGTCGAATTCTCAATTTTCATCATCGTCGTCTTCTTCACCGGCAGTTTCTCTTTCTTTCCC
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TTTTTCAATGATGCTGCTTCGTCGGGATGA

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ATGTCAGCTTCTTCCGGAGATTCGGATGCTGCGCCGTTTCGCTCGACATGTAAGCTGGCGCTTGAAG
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CGGCGAGGGCTTATGACAGAGCGGCCATTGAGTTCCGTGGAGACAAGGCCAAGCTCAACTTTCCTG
CTTCTGATTATCAAACCACAGAGCAGGACGAGGAGGAGAAGCCCAATTTGGAAATCCAGAAATGA

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ATGGACGGCGGAGGAGAGCCAGTGCGGGACGGCACCAGAAAGAGAGGCGTCGACAATCACAGGC
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CTTTTACCTCAGAGGCCCCTCCGCCAGGCTTAATTTTCCAGAGTTGTTGGCTGGGGAAGGCCGCGGA
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GACGGAGGTGGGGGCTCGAGTGGATGCTCTGGAGAGTTCGTTGGGTCATCACCAAAACCAACAACA
CCAACACAGTCACAACAATCGGAGCCATCACCATCCAAACGCATCGGCGTCTCCGCCAGAGATGAA
AGGGTGCAGCGGGTTTTTGGATCGGGTGGATTTGAACAAATTACCCGACCCGGAAGAAGAAGATGA
AGAAGCCGATGGGGAGTTCGAGTGGGAGAGACACTGA

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ATGAATAATGTTAATGGCAACAACTGTAACTGGCTAGGTTTTTCTGTCTCCCCTAACGTTAACATGGA
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CATAACTATGGCATTTGCTATGGTGTTGATGGAGAACATGGTGGCTTTTATTCACCATTGTCTGTCATG
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ATCACAACTAGGAGTCGAAGACTCCACCAAAATGGGAGCTCATTTCTCCAATGCATCTTCAATGGTG
ACCAGCTGCAGCTTGAGCAGCTCAAGGGAGGAGAGCCCAGACAAGACGAGCCTTTCAATGGTATTC
GGAATGCCTCAATCGACATCTAAGCCGTTTGCTGCCTCGGCTAGTAATATGAACTCCTCCTGGATTGC
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ACTTAA

>***LcERF-45***

ATGGCAGCAGCTATAGATTTTTACAGTGGAATTTCTACGCCGGTTTACTCTTCGGACCCTTTTAGCGA
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TCGTCTTCTACTCTATCATTTCCTCCTTCTCCTTCTGTTTCTTCTCAGCCTAATTTGAGCCCTGATTTTTG
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CCCCCACAAACTATGTCTTCTTTCTCTGCTTCTTCTTCTTTCCAGTCGTCCCAATACCATAACTTCATCG
CCCCCAAATCCATCTCAATGAAGCACATCGGCTCTCCACCTAAATCCACCAAACTGTACAGGGGAGT
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TCTGAAGATTTCTCCACCGGATCTTCCCCTGAGTCAAGTATTATTAGCTTCTTGGATTTCTCGGATTCG
CAGTGGGGTGAAGGAGAAGCATTTTGTTTGGAAAAGTATCCATCTGTTGAAATTGATTGGGCAGCTCT
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AGATTTCCGCGGCGCCAAGGCCAAGACCAATTTCCCCTTGCCTTCCGACGATCTTCTTAACCTTAACA
ATAAGATTAACAATAACATCAACAATAATCAGAGCCCGAGTCAGAGTAGCACGGTTGAGTCCTCTAG
CCGGGAGCAAGCTCTGATGGTTGATTCCTCCCCTTTGAATCTCAATCTCGGTCACGGTATTGGCGGAC
TGAGCGCCGCCGGAGCCATCAGTTTTCCTTTCCAGCGCTACCAAATTCCCGTGATCGGAGATGTTTTC
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AGAGCCATCCTCATCAGAACCAACGGCTACGCTTCGACCCTCACCACGAAGCGGTGAGTGATTTCCG
ACGCGAGTTTGCCGGCGGCTGCGGCGGCGGCGGCGTTCAGAGCGACTCCGACTCCTCCTCCGTGGT
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GAGCTTCTTGATGGGATTGTCCCTGTTAGCAATACAGAGCAATCTTGTCATGAGAATTTGGAGAACAC
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TACCGAGGTGTGAGGAGACGACCGTGGGGGAAATATGCGGCGGAAATTCGAGACTCGACGAGAAA
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GCACTGAGAATTAGAGGTCCAAAGGCACATCTCAATTTCCCTGTTGAAACTGTTACTGAGGCTACGG
GAATGCATATGTCAACAAATGATGATCATTTGGATATTCTCATGCCTTCTTTTCAAGGATATGACTCTG
CTTCTTACTCACCCCCTGGCAGCCATGGAAGTTTGTCGATCATCAGCAAGCGATCGACAAGGGAATG
GGAAGACAATTTCAATTTCAATACCATCGACTTCGAACAGCCAGCGCCGAAGAGAAAGGCCAGCAT
GAACAACATGTTCTACGACGATTTCGACGTATTCGAGTTTCAAGACTTGGGGAGTGATTACTTGGACA
ACTTGTTGTCTTCTTTATGA

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ATGTGTGGTGGTGCTATAATCTCCGGCTTCATTCCGACGACTCGCTCCCGGCGAGTCACCGGCGAAC
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TGAGTCTGAGATGAAATTTTTCCAGATGCCATACCTTGATGGTAGCTGGGATGCATCCATGGATGCTT
TCCTTGTCGGAGAGACCGGTAACCAGGATGGCGGAAACTCAGTCGACCTTTGGACCTTTGATGATCT
TACAGCAATGGTCAGCAGTGTGTTCTAA

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ATGGCAAACCCAAACAATTCAAATCCCCAAAACAAAAGCATCTCATTTCCCACTACTCCAACTCCAC
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TGGGGCAAATGGGTGTCGGAAATCCGGCAGCCACGTAAGAAGTCCCGAATTTGGCTCGGCACTTTTC
CCACGCCGGAGATGGCGGCGCGTGCACACGACGTGGCGGCGCTGAGCATCAAAGGCGACTCGGCC
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TAA

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ATGTTTTCCGATCAGCCAATTCACTCTCTCTACAAAGCCTACTTCCAAACCCAATTCTCCCACTCTCCC
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CACCCTCAGCCAGCGGCTCGAAGCCGGCGGTGGCGACGGGGCAGAGAAGTTACAGGGGAGTCCGA
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AGGAACATTCGACACGGCGGAGGAGGCAGCGCGTGCGTACGACGCAGCGGCGAGGAGGATGAGA
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CCACGTCATCAGGGAAAGCGAAAAGGAATCGTAACTGTAATCCGTCGAAGGTGGCGAAGAAAACTG
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ACTGGGAGTTGACTTTGTCAACAGTTAA

>*LcERF-51*

ATGGCCCGACCTCAGCAACGCTATCGCGGTGTTCGCCAACGTCATTGGGGCTCTTGGGTCTCCGAAA
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TTACACAAATGCCATTTGGCCTCACTCCAAATTGCCAAAAAACACGTCCAGAAACAACACCTAGGAT
TCGACCCCAACTACGCCGCATACGGCGGCCCTCCGCCGAGCATTGCCGGAACCTCCAGCGGCGGGT
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ACAACATTCATCATCAGCAATGCCTTCAGCCTCTTGAAGATGATCATATCGAACAAATGATACAAGAG
CTGCTACACCTCGGATCTTTCGAAATTGTTACATAA

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ATGGCGAAGATCTCACATCCACCGCACAAGAATTCCATTTCCTCCACTTCTGATCCTCACTCCTCTCC
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AACCTGGCGGCGAAGACTCCTCGTCGTCGTCGGCGGCGCTGGAGCTGCTACTCCGTTCGTCAAAATT
CAAAGACATACTAGAAAGGACATCCACCGCCGAGGCTCCACAGACACCACCGGAATCCGACCGGC
CGCGCCGATGTATTCCCGACGACATTCAAACTTACTTCGATTGTACTCCCCAAGATTCCGGCGACATT
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CTCGATGCTTAA

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ATGGACGATCGCCGCCAGAGAGCACCGGAGATCGACGGCGGAGATAGGTGTGTGAAGTACAGGGG
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GAATCTCAATCGACTTCATTGCGAGATGATGAAACAGAGAGAAAAGAGGAATCGGTTTTTGAATTTG
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>*LcERF-54*

ATGGAAGGAAGGAGATCGACGAACGAAGGAAAGAGATCGACGAACGAAGCTCGTTACCGAGGGAT

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TTCAGAGGGCATTTGGCGATTCTGAATTTTCCGAATGAGTACCAAAGTGGAAACCCTAATTTAGCGGC
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CCGGCAACAATGCGAGCCGTGGATCGGGCGAAGTGATAGAGTTTGAGTATTTGGACAATGAGCTTTT
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TGGGTGTTGAGTACTTGGAAGAACTCTTGAGCTTGACTTCTTAA

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TTCATCGCTGCAAATCGACAACACCAACTTCAAGCACAAGTTCATCGGCTTCCCCGTGCGGGAAGAC
ATCAACCCTTCCATCACTTGA

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ATGGCTTCAACTCACCGTCGCTTCAAGTTCCGTGAATGCCGCTCCGTCACCGGAAAGCCTCTTCCGTC
CGACTCCGCCGCCCCGAGGATCGTCAGGATCTTCGTCACCGATACCGACGCCACCGATACTTCTAGC
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TATTCGCCGCCGTCGAAGCCGCAGAGGAGGACGGAGACGGAGACGCCGAAGGACGTCGAGCCGAT
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CAAACGCACCAGAATCTGGCTCGGAACCTTCGATTCCCCTGAGGAAGCTGCAATCGTCTACGATCGA
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GAGCGCGGCGGCGGCGGAGGAGATGTTCGGAGAAGAGATGGAGTTCGTGGAGTATTACAACCGGC
CGCCGCGGATATTTCTGGAGGTGACGAGCTCGCCGGAGACGGCGACGTTTTGCGGCGATTTATGGG
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GGTCTGGCTTGGCACCTTCAACACCGCCGAGGACGCCGCACGTGCCTACGACGCCGCCGCCATTAA
ATTCCGCGGCCCACGTGCCAGACTCAATTTCCCCTCCACTGACACTTCCTTAATGACATTCAATTACT
CCCCGCCGGCTGCCTCCACTTCCACTTCCACCTCCACCGCAGCCGCCGCCACCGCCGCCACTTCTAC
TCTCTTCCAAAATGAAGCAGCAGTAGCTCCAAGGACTTCGTCGTCAACGAAAATGGAGATTATTCAA
AACGAAGTCGTATTCCCAGAAATGCTCGACGAGGACGACGACCTTCAAACACTGATCATGGATTTTT
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CGTCAGCGGCCTTGGGGAAAATGGGCGGTTGA

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ACAGCATCGAAAACGGTGGCGGGGCACTCGATCTTCCTCCGATGGACATAGAATTCGACAAGGAGT
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GAGATACGCGACCCTTGGAAGAAGACCCGTGTCTGGTTGGGCACTTTCGACACTCCTGAAGAAGCC
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GCCTCGCTCCCGTGCTGGTGGACTCGAGCGCGCCGGCGGCCTCCGCTACGGCGTCGTTCATTGGGC
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>*LcERF-66*

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>*LcERF-67*

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CGCCGGAAGTTAATGATTACAGCTCACCTGAATAG

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GACTGCGCTAGCACTCATTGGACTAGTTGA

>*LcAP2/ERF-70*

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CACCACCATAA

>*LcAP2/ERF-74*

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TTGA

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>*LcAP2/ERF-80*

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TGA

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GACACCGAAAATTCCCACATCGGCGTTTGGCAGAAACGCGCCGGCCAACGCTCCGACTCCAGCTGG
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GAACTATACGGCGCCGCACGATCAAGATCGAGATCTTTCCATCGAAGATTATCTATGA

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CTATGGGGATCCTTTCTTCTTCGACTTGTGA

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ATGGCGTCAACTCGGGAGGGACACTATAGAGGAGTGAGAAAGAGGCCATGGGGGCGTTACGCAGC
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CGCCGTATTGGCTTTAA

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TGA

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TTGCTCATAA

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CCTCCTTTTGGTGATGCATTTGATTTTGGGTATCCATTACTTTGA

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GTGATGAGACATTGTTCGATTTGCCTGATCTGTTCGTGGGGAGTTCTGATTTGAAAGATGGGTTTGTTT
ATCATTCTTCGTTTTGGCAGTTTTGTGCGGCGGCCGATCATACTGGTTTCCGGCTGGAAGAGCCTTCG
TTTTGGGAACTCATTTAA

>*LcERF-101*

ATGGGGAGCAAGAGCAAAGGCAGCAGTAGCTTAGAAGAGTCGGATTTGTTTGTGTTGGAGAGGATT
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AGGGGGCTTCAGTTCAGAGGAGTGAGGAGGAGGCCATGGGGGAAGTACGCAGCAGAGATTAGAGA
TCCCAACAGAAAAGGGGCTCGAATATGGCTTGGGACTTTCCACACCGCCCAAGACGCTGCTTTGGCT
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CCGACTCGGACTCCAACGCACCTGCTCGCACCTGCAACCGTACCATTAATCCGTCCGCTGACCATCC
CCCTCCGCCTCCGCCTCCGCCTCCGCCCCTATTCAACATCGTCAAGCGCCCAAGAACAACCACCCAT
GATCACCACCTTCTCCAAACTTGTGTTCCATTCCCACTCCCCAAATAA

>*LcERF-102*

ATGTCGTCGTCGTCGTCCGAAATCTTGGAGTGGATCCGTCAACATCTTCTGGAAGAAAATGATACGG
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GCTAAGGCTAAGCTCAACTTTCCTCATCTCATTCATTCTAACTGCGCCCTTCTTCCAAATCCACTACTC
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GCTTCAAAACGCCGCCGCTGA

>*LcERF-103*

ATGGATGATTCTCTGTTTTTTCCGGTTAAGTTCACAGAGCACCGCAACTTCACCAACAAATTCTCCTCC
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CGTCCAGCGATGAAGAAGGGGAGTTTTTCGAGAGACAGAGAGTCAAGAAATACATCAATGAGATCA
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AGCGCCCGTGGGGGAAGTGGGCGGCGGAGATTAGAGATCCGGCTCGCCGTGTGCGGCTGTGGTTG
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GCCGGACGCTTTGACGAACTTTGCTACCCCGCCGCCGCCGCTGCCGGAGAAGGAAGTGGAGGCGG
CCAATATCCCCTCTGTTTCCGGCTCGTATTACGACTCTGGCGAGGAGTCTCACAATTTGTCATCGCCG
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GTTTACGAATTTGCCCGAAGATTTTGGGTCGCCATTGTTGTCTTCTTCGATAGGTCAAGGGGGCGACG
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>*LcERF-104*

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CCCCACCCCCGAGATGGCCGCCGCCGCCTACGACGTCGCCGCCCTCGCTCTCAAAGGCCCCGATGC
CTCCCTTAATTTCCCCGACTCTCTCTCATCCTATCACATTCCCTCTTCCACTTCCGCTTCCGACATTCGC
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CGGAGAGTTTTTGGACGAGGAGGAGTTACTCAACATGCCGAATTTACTAGTGGACATGGCCGAGGG
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GATGGATTATGGAGTTACTCCTAA

>***LcERF-105***

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GATTTCCAAATTCCGCCGCCGCAGCCCCCGGCGGAAGGATCCGACAACGAGATGAAGTCCGGCGTA
GCAGTCGACCCGTCGATGCCGAAGACCGACATGTCGGGCGAGGCCCGGCATGAAGCCGCCGTGGC
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>***LcERF-106***

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GCCGGACACTTCCTCCGCCGTCAAAACCGAGCCCTTTCCCACCACCACGGCGGAGGCTGCTGCTGC
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>***LcERF-107***

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TAACGGTAGCAGTTCGGCGGCGGCGGCGATTGGAATCGGAAATGAAGATGAAATGTGGGGGAAGA
TGGCGGAGGATGGAGCGGATCAATGGATGTCGTCGTTGATGACGTATCACGGCGGCGATTCGTCGG
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>***LcERF-108***

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CATCCGGCTCGGCGGAGTCGGCGGCGGCGATGGCGGAGGCGGTGGTCGGGGAAGGGTACTCTTCA
CTGGCGAAGATGCCGTCTTTTGATCCCGATTTGATCTGGGAAGTTCTAGCAAATTAA

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GACTCTCCACGTGGCATATGGTTGAAGATTCCTTCCAAGACATCAGCGACATATTCGGGTCGGACCC
TCTCCTCGCGCTTTGA

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ATGGCTCCGGCGACTAACTGGCTTTCCTTTTCGCTCTCTCCCATCGAAATGCTTCGCTCTGCGGACTCT
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CTGCGGCTGTGCTGTATCACCACAATTACTTCCACCATCTTCAACCTAACGCCATCGGTTCTTCGGAG
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ACCAGTCGTATTAG

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ATGGCATCCAGCTCCTCCAAGAAACATGATCACTACAAGGGAATCCGCTGCCGGAGCGGCAAATGG
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ACCATCGGACGAGTTTGTCGATGAAGAGGCGCTTTTTGGAATGCCGAATCTTCTGGTCGACATGGCG
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ACGACGTCGCCGCCAGAACCATCAAAGGCCACTCCGCTTACCTCAACTTCCCGGAATTGGCTCACCG
CCTCCCCATTCCGGCCAGCTCTTCGCCGAAGGACATTCGAGCCGCTGCAGCCAAAGCGGCGTCGTTC
AGCAATAATCTCCTCGATCCGACCGACGACGACGAAGAAGACGGCGCCGCTCAATCGGACCTCAAT
CGCTCTCCTTCCTCCTCCTCCGCCGCCGCCGCGAAATCGCCCGGTGAAATCGACGATCCTTTCTTCGA
TCTCCCCGATCTGTTCCTTCATCCCAATCACCAAATGGATACATTCTGTTTCTCGCAATTTCTTCCGATC
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GTAGCCTACTCTAG

>*LcERF-113*

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CAGTGGATCAATTTCGATTCTACGGAGAGGAATAATCCGGTTGTGGTACAGAGGACTAAAGATCTCG
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TATAA

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GGCAAGTTCGCGGCGGAGATCCGAGACCCGGCGAAAAACGGGGCTCGGGTTTGGCTCGGGACGTTT
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GTCACCCCGATCGTCACCGGAGCCTACTTCGTCGTTATCGTCGGTGGAGAGTGGGTCCCCTAAGCGG
CGGAAGAAGGCGGACGGCTCGGCGGTGGCGGTGGCGGTGGCTCAAGCTGCACCGGAGTTGATACA
ATTGGTGGTGGGGTCCAATGCAATGCAAGTGGAAGCTGACGTGGCAAAGTGTACAAGTGGCGAGCA
ATGA

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ATGTCCATAGAAACCGGAATCCATGGTTCAAAGAAATCGCAGTATATTGGCGTTGGTCGAAAGAAGT
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CGGCCATGAAAGATGCGGCGAACAGGTTGTCACCGGTCACCGGCAGGCTTCATACTGATCAGGAGT
ACTGGGGTTCAGTTTTACTAGACACCCACAACGCCAATTGGATGTCTTCATGGTCGCAACTAACGTTA
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GTGAGACTCTAACCACAATGGAGCAAGTTGTGGAAAATCAATTATGA

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GCGATGCCCGCCTCAACTTCCCACATCTTGTCAATTCTCTTCCCTTTCCTCTTGGCTCCAGTGCTGATG
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AGCCAGATTCAGGCCATCAATGAGTCGCCGTTGGATTCTCCGACGATGTGGATGCAGATGGCGGCG
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ATAGCATGCAGATGCAGCATCATTCCATTTGGGATTATTCTTGA

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CCGGTTGA

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TGTCGCCGTCGCCGGCGGATCGGCGAGTGACTCCGATTCGTCATCGGTAGTCGATTTCGACGATGCG
CGAAAATCGCGGCCGTTGGATTTTGACCTGAATCTTCCGGCGGTGGAAGTTGCTTGA

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AACGTGTCGCCGCCGCCGCCGCCAATGGCTTCCCGGAAAATGTCGCTGCCGTCGTCACTCCCCCGTC
CCCCGCCGTCTCGTCCCCGTCTCTCTCCTCCACTCCGTCCGATCAGCCCGACGATGACGTGTCGGTC
ATCATGTCGTCCGATTGTTTCTACGATCAATTCGATCATCCGACGGTTGAGATGGAATCCATGTGCAA
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CTGCTGA

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TCTTCTTCTTCTTCTTCTTCACCAACACCTTCTCTTCCTTCTTCCTTCAACAGCCACCTCAACTTCTCTCA
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CTCAGCCCCAAGCCGATCCCAATGAAGCAAGTGGCTTCGTCTTCAAAACCCACCAAGCTTTACAGAG
GGGTTAGGCAACGGCATTGGGGGAAATGGGTGGCCGAGATCCGACTACCGAGGAACCGAACTCGA
CTCTGGCTTGGTACCTTTGACACTGCTGAAGAAGCTGCCTTGGCATATGACAAGGCAGCCTTCAAGCT
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CTGCTCCACGGCGGCAGAAACGGCAGCTGTGAAGGTGGAGAACTCCTCGTCGCTGGCTGTGACAGA
GAGTGACGGGTCTGCAGCGTCTTCACCTTTATCGGATCTTACATTCCCCGACTTCACAGAGTTGTCAT
GGGATCAGCATCAAGCTTGGGAGAATTCAGTGCTAGAGAAATATCCTTCTGAGATAGATTGGGCATC
GATCTTACCTTAA

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ATGGTTTATTCGAGGAAGTTCAGAGGAGTCAGGCAGCGGCAGTGGGGCTCGTGGGTGTCAGAAATC
CGCCACCCATTGCTGAAGAGAAGGGTGTGGCTGGGGACATTCGACACAGCAGAGGATGCAGCACG
AGCGTATGACCAAGCAGCCATCTTGATGAACGGCCAAAACGCCAAGACCAATTTCCCTGCATCAAAA
GACCAATCTGAAGAAGCCAGCCAAGGCCATGGATCTTCTCCATTGTCCCCAAAAGCACTTTCAGAGC
TACTCAGCACCAAGCTCAGAAAGTGCTGCAAGAACCCCTCTCCCTCCTTGACATGCCTGCGGCTCGA
CAGCGACAACGCCCACATCGGCGTCTGGCAGAAGCGCGCAGGCACTCGAGCAGCCTCCAATTGGGT
CATGAGGATTGAGCTAGGGAAGAAGGAGACACTGTCGCCGTCGCCATTGCCATCGCCCGAATTGGC
GAGCCAGGAAGCCGATAGCCATCGGAATGGAATTGATGAAGAAGACAGAATTGCAATGCAAATGAT
TGAAGAGTTGCTCAATTGGAACTGCCCTCTTCCTTCAACTTCAAGCTAA

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ATGGCGGACCGTCGTAACTCCGGCACTGAAACGGACGACAAGTCGGCTCAGAATCTCAAGTACAAA
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GCGTGGTCCCCACGCGAAGTTTAATTTTCCCGACAGTCCGCCGGAGATTCACGGCGGCGACCGGCTT
TCTGCCCAGGAGATTCAGGCGGCCGCGGCGAAGTTCGCGGCCGAGCACGACGGAGACGAGCGAGC
TGATGGGGGTAGTAGTAGTAGTAATAATGGGGATGTTCTGTCCACGGAACACTCTTTTGGGGCGGTT
GACGGCGGCGATTGCGGCGGCGTTTGGCCGGATTGGGACTATTTGGACGGTGGTGATTTTGGGTTTG
ATAATATCATGGGTGGGAATGAAATGATTTATGATGGTGATATTAATTTTCCGGTACAAGAAGATATG
GAGGAGGATGAGTTTGTTGGTGGTGGAGAATATTTTTGTCACGAGGCTAATTTTCTTTGGAACTTTGAT

AATCATTAG

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GGAAGGGAGGCCACTGCTTTAAGCTTGGACAGCATATATTACAATCAAAATGCTGAGGCTGACTCAG
ACAGACAACACTCTTTGAACCTTTTTAAGCAACAAGAGCAACAGCATATTCTTTTTCAATCTCAGCGA
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GGAGATATCCAACAACAACAACTTAGATTGGAGGACAGTATTCCACGACAACCCACTGCTGGATCCA
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CAATGCTTCCTCTGTGGTGAGCAGCTTGAGCAGCTCAAGGGAAACAAGTCCTGATAAGTCAAATGCC
TCATCCTCAGTGTTGCTTGCAAAAGCCCCATACGGAAGCAGCAATGGAGGCATTTGGGTGCCATCAA
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ATGGAAGGAGAAGTTTGCTCCGCTGTAAGTTCATCGCCAACCGGGTCAGAGAAGAGGAAACAAAGG
CATCAGAATAATCATCTTCAGCAAGAAAAGCCTTACAGAGGAATACGGATGAGGAAGTGGGGGAAG
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CCCGGATTTGGTGTTCGAAGAGGACCAGCTTCACGACATGTCGGCCGCCTCCATACGCAAAAGAGC
CACCGAAGTCGGCGCTAGGGTTGACGCCATCCAGACCTCTCTCCATGCCTCTAACTCCAACTCTCAA
ATTTCCGAGAAGCCTGATTTGAACGAGTACCCCAACCCCGAAAGCTCAGACGACGATTAA

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GGATCCTACGCGAGGGTTCTGCCTCTGGCGCGATGCGATACCGCGGAGTCCGACGTAGGCCGTGGG
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CTGCCGAAGAAGCCGCACGAGCTTACGACTGCGCCGCACGTGCCATGCGTGGCCTCAAGGCTCGCA
CCAACTTCGTCTACCCTCCTCCGCCACCTCAATCCCTCTCCGACCAACTTCTTTCTCCTCTAAACTTCG
CCAAACAGTCCCCAATTACTCGTCATTTTGCCACGTCGGCGAATTGGTCAACGTTTTCGAACGCCCAC

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ACACTTCCACTGTCCAAAATCGTCTTTTACTCCTCCTCTCCCCGTTATTGAAAAGCACGAAAACCCCAT
CGTTAACGATGATTCGTTATGCGACTCAGAGTTCATTCCTAAAGAACCATCAGATTCCGGCCTTTTGG
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GACATGTCGTCCGTCGTTTCCGACACGAATTACCCTCACTCTTACGACGGGTTCAAGCGAATCTACGA
GGACGAACAACAACAAACCGGGTTCTCGTACAATTACCAAACCGGGCCGGCTCAGTTCGGGAACTC
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GGCTGCTAAAATGCAGAATGCTTAA

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ATGATTTCTCTGTCTCTGTCTCTTCATTGGGGCTCTGTTGCAGCTCTGGTTTTCTTCTTCTTCTGCTTGCT
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TCACAGAGCCATGATTTGAAAGAGGGAGAATCGATCAAAGAAGAAACAGACACGAATATGAACTAT
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TTTGCTGACGATGAACCGAGCGGCCTTCTGGATTGGGATTTTGGGGATTTTGGGAACGATGACATTTC
TTATTGGCTTGATGAACCTATCAACATACCCTGCTCTTAA

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ATCCCAAAATGGGGAGAAAAGTTCGTATAATCTGTTACGATCCTGATGCCACTGACTCGTCTTCAAGC
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AA

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ATGAGAATCTCTCCGACTCCGCCTGCTTCTTCTTGCTCTTCGTCTTCCTCCTCCTGCGTCGGCTCCGAT
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ATCAACATCATCAACAACAACAACAACAACAACAACAACAACGCCTCTTCCGCTCGCCGGAGCTCCA
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AAAATGAGATTGTTCTCAACAACTACTTCACCATCTTCTTCATCAATAACCACCTCGGTTTCGTGTGAA
TTTAGGGTTTGA

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CAGCCATGGCCGCCGCCCCCAAAAGCAACATCATCGACTCCTCTTCTTCCTCCTCCGAGGAGAACGA
GGAAGAATCCGGCAGCGTCGTCTCTCAAACATCCCCAGCCGCCATTGTTGAAATGGAAACCTCTTTC
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GAGGAAGAGCCGCCGTGGGCCGCGGTCCCGGAGCTCGCAGTACCGGGGAGTTACTTTTTACCGGCG
GACTGGAAGATGGGAATCTCATATATGGGATTGTGGGAAACAAGTTTATTTGGGTGGGTTCGACACA
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CAAAAATATGGAAGATGGGAAACTCAAATGAGCCAAATCATCGGAAAAAGTGGAATTGAGCAAAGG
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GTCTTTACTCTGGTTTTTTTGCAGATAATGAGAGGGAGAGAGAAGAGAAACAACGACTCCACAAAGA
TCTCTACGAGCTGGGGATGGCAAATGCCAACGTCAATGTCGATGGCAATGTCAATTCAAGGAAATGC
AAGTAA

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CCACCCTGCTCCATTGAAGAAGAGATCAAGACCGCCGCTAGGGAAGCGGCATTTTGCCTGGCGGCA
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A