

Supplementary Table S2. Five different calcium-dependent protein kinase (CDPK) family genes have been identified in *Bostrychia moritziana*

TranscriptID	Gene name	Description	Sequence
ISGT_1896	CDTK	Calcium-dependent tyrosine kinase	<p>CTGGAACAGTCCATATCCCTCAAACCTCAAAGTTGATTATGCCGAACACCACCCTTAAACAAAAGTTAGAC AACTTGATATTGAGAAAAAAGGGTTTTCTCTCTCGTAGTCAATTTTACGAACCTTTCTCTCCATGATGGATTCTA ATGCAAGTGGTCCCAATCAAATCCGATGTTCAACTTTGCTTATTCTCTATTTCATGCTGCTGGTATCGTCTCAA TATAAAGAATTTGTTACTGGTATGTCTGTCTCAGCAAGAGTTTCCAGGAAGATCGCTTGGCTTATCTCTTTCT ATGATGATAAAGATGGTTCTGGTAATCTCAATGCAGATGAGATCAAGCAAGTGTTCAGGATATGGGTAGCTTT GCTGCCTCTCATGACTACCGTGCCTGAAATCGTTAGACTCGCAGTCTTATCTCATTGGCGGACCTCACTCCAT CTGTATTGGATGATCTTGCCCGAAACAGTTCGGCAATATGATCATGATGGAGATGGCAAGATAGCATTGTAGT AATTCGCTGAATGGTGCAGAAAGGATCCGGTAGTAAAGACATGGATGGATACCCCTTGTATGATACCCTCGTG GGTTGCCCGTCTTCGTGGTGGAGTGAAGGAACTTGTGCCCCAAGAGTGGGAAGTCTGGCATTGTAGAA AACCCTTTTGGCGTATAACTTTAACCAGCCTGGCATTGGATCTGGTCTACGTTCCGCTCACATGGAACAC TCTTCCACCAACCATGTCATCCAGATGCATCTCCCTAACGCTATAGTCAATCTGATAGTCTGGAGAGTT TGATCGACTCTAGAAAGATGGTCCCAAGTCCATTTGGTGAAGTTGGCGAATCGAAAGTGGTGGCAGCAT GGAGCTGCTGACTTTTGAAGAGAGGGTGCACACTCGGAATGACGACAGCAAGCAATGGTACGTTG AAATTGACTTTAGACTATTGATATTGAAAAGCAAATGGGTGCGGTCATTGCGGTTGTATGGAATGTAGGT GGCTCGACTCTCAGTGGCTGTCAAAGTCTTCAAGTGGGACCAAGATTAGTGATTAATGCTGATGGTTCGCCT CAGTGACAGCTTATCACATTTGACCTCATCTGACATCAACTCAAGCAATGGCATCGTGGTTCACGGAGA ATGGTGAACATTTGAGCGGAATTTGATAGTATGATGAGTGGTGGGATTCTGGAACTTCAGCAATGGGAGT GCGACGAATTGACCGCAGAAATGGCTACCAACAGAGTCCGATTTCTCAAGAGGTGCCCTTTGAAAGTCAATA GGCATCCAAATTTGTTATTGACATGGTGGCTGTGGTGAATCTAACCTCCCTCTGATTTGGAGTGGAGTAA TGATGGTGGTACTTTTGGAGCTTTTACATGGTGGGACCGGGTCCCAATGAGTATCCGCAAAAGCTTTTGCT ACGCAAGATATAGCTCGTGAATGCTATATCTTATGGTGGGATCCGATTGCTTATCGAGATCTTAAATCG GCAAATATCTCGTGAACCTCAAATGACATAGCTTAAAGGTACAATTAGACTCCGACTGAGCAAATTC AGTTCAACTCAAGCTCGATCACTCTGGTGGGACGAGGTTTAAAGGGTCTGTTGTTACGATGGCACTGAA GTGATGAATGAGCAAAAGTACGAGCTCGATCGGACGTATACAGTTACGCAATCGGTGTTGGGAGATTGGGT GGTGAATCCATTTGAAAATTAACAGTCTACTCACTTAAATGAAGTGTGTCGCAAGGTGCAGCTCT GAATTTGAGCGGGAGGCAATGTACCGCTGCAATCAACTCACTTATTCGAGCTTGTGGGATCAAGATATACGA AATGCTGACTTTTGGATGATCGTCAAAACACTCAATGAAATCCGACACGAGTTAAATCTTATGATCTCGTGA ATGGAAATACTAATGCTGTAATGTGGGACAAAACGCAACCGTGTATGGTGGGGCAATTTATTCATGCGCTT GATGTTGGCGGGTGGATATCTCACCATTAAAGACCTGATGGACGCTCCAACTCTGACCTTATGTTACTCTATT CCCTGCCAGCTCTTATTTTTTGTATTTGAGAGAAGTGGCCGATTACTGAGAAGGAATTCATACACTTGTGTA GTACTGCCAGTCTGAAAAGCAAAAGTCCGAGGAGCTTTTACACGCAAAAGACTCTCCGATGATCTATTTTGG TGCCTCCAAAGCTGGAGTGAAGATTGCTGTTTCTGGTCTCCTATCGACGCTTTCGCTGACTCAAAA GTACGCTCGATTTTGTCTCAGCAGCGATGCTCATACGGATGCTGTCAAGTACTTATCTTAACTCGTAGCC TTTACCAGACTCAGTGGCTTACAACAGACTCTATCCAAACGAGGACCCTCGCTAGCCGCTCAGATGCTTT CGCCCAAGTCCCAAGCTGACTCAACATCAAGCATTGATGATTCGAGGCGCTTCCGATGAGCATCCATT TGACGGAAATTCGACAGTATCTGTTCTCCTGTGTGCAATGTGTTCTGCGCAACGGGAAACGGAGCAAATGC AATAATGCATGATAACGTCAACGGGACGCTATTGTTCCAGAGATTGACCTGGGAAATCCGAAAATCGTCTG ATCGATGTCGCTGACTAGAAAATATCATAACCGCAAGTATACACAAATAGTGCATCTTCCATGAGGAGGG CTCTCGTGAAGAAATTTAGCCCTGGTGTGGGAGCTCGTGAATTTAACTCAAGTGGGTCGTCACGCTTGAGGA GCTTCGTGCTTTCTGCTCGCTCAGCGAAGTGGTATCGACTGGAGGAACTGCTTTTCAACAAGGAAGCGGG TGAGCCTTTAGAAGTGTGCATCAATGAATTTGACACCACACCGAGTGTGCTGAGCCGGATGAATTTAT GGTCTCGCTGATCTGACTCGTGAATACGAGTTTGGGAAAATCGTATCTCGAAGCTTACGGAGATTATGA GCTGGGGCGCAACAATCGGCGTGGTAGCAGTGGTCTGCTCCGTTGGCGTTCCATGTTGAGAAATCGACAGA TGCCATCAAAAATTTAAAAGGGCAAATGTTCTGATCTCAGTGCAGTTGATCGGAAATCAACTTTAATGATG CGCAAGCAACAAGCATATTGATAGAGCTTGGGAAGTCTTGAATCGGATAACAATAITTTTCAATGTTGATG TTGTGGAGGAGTTCAATGGTTGACATCGTGAATATACCTGAAGAACGGATGCCAGAAGAAATGCACGGT TTTTCATGAGACAAGTTTTGAAAGCTTGGCGTTTTGTGATGGGAATGGAATAGCCATCGGATGTCGCTTTAGA TAATCTTATGTTGATAACAGAGTAACTCAAGTTGACGGACTCCGGCATAGTGGCATGATACCCCGGGCTG GGATATCTTTCTACTCTCTCGTGGTCTGTGCAACTTGTCTCAGCAGCTAATTTGGTCAAGTTCAGT GGGCAAAAATTTGACATTTGGTCTGCGGTGTGGCAGTATATTGTTACTTATGGCCATCCCCGTTTTATGACC CTGATGTAATTTGCTTGCAGCGAATTGACAGTGTCTTTTCAAGTCTCTGGGTTTGTCTGAAAAGGCAAG TGACCTCATAGAAATGATATTCGGGCAATCCGAGGAAAGAAATCCATGATCATGATGCTGCACCATCTCTG GTTTTATGATGGACAGAGTACGGGCGTGTATGAATGATGTTGCTTTCCCGTGGATGCGTTTTACAAGAAGCG CCCCGATATTGCGGAAATGATATTGGCCATGACAATATATCAACATAATCTGCACTTTCATCTCCGTGACTCAC AATCCAAAGTCGCTCCCTGATGAATGAGAGGTCAAGATTGGACCTTGGCTGTTTATGCTTCAAAAATGACATC AAATCTACTGTTCCCTTTTACAAAAGCCTCAACTGGTGGAAAGCCCTCAGGATGACTAGTCGTTGAAAGC TCCTCAGATTGATCTCAAACAAAAGCGGTGGACTAAGACAAAATAACAAATTTACAGATTTAGGAAATCC AAATGTATCACTACCAGATTGCTTATTTTGGACGCCAAAATTTGACAAAATGATATCCAGAAGGAGATTAC TGGTAGAAGCGAAAATTTGAATATGCAAGGAATGGGAAAGCAAGCGATTCTGACAGCTGCTCGCCCCATG AAAAGAGGCTTTCAAGTCACTCAATGGGTGTTGCCACACATCCGAGCCAGCTCCGTTGACAGTTGGTGA GTTTTGATCCTTTTGTGATGGAACTGAGCAAACTGTATTGGAATGGCAGGCTACAGTTTTCCAGGAAGATTGG TGCAGCAAGTCCGATGAAGAAGCGAGACTGTGCAATAGGAGATTTAGAAAAGAACGAGTGGATATCATCTCC CGGTGCATTAATAGACGGCTCAGTGGGATTGCGTGAATCAACCGTTCGGGACAGCTTGGTATCCCGTAC CAAAAAGTGTATCTCAGAGGAAATGCCTGAAAATGCTGCAAAATCTAGATTTGGGAAACCGGATGGGATCAT GATGGAGCAATGAGGACGATGACATATGTTTTCAGGCTAGTTCTGACCTTATCACTCAAAGTGTGTTAAG AAATGGAATAGCTGAGATGGACGGAGGAGATCGGCAGACATGGTGGGTTTCAATGTTGCGAGATTGGAATA AATTGGTGCACATCCGTTAAAACAGTGTCTCCGCAATCTCCCAAGTCGATTGTGTTACTGATGATAGCCGAA ACAAAATGGTGGGAGTAATGCAAAATCATCGGAATGATATCAAGGAGCCAGGAAATAGCCGCAACAGCTC GTGTTCCGTCGAAGCAAAACCAATCATGATGAAGAATCGATGACCCATTTATCGAAGTACGCTCGAAAATG GGAAAGTGGCTTGTCTCAAAAATATGTCGAAGCTTAAACAAATATGTTGCAAAAAGTGCAGAGAGCTGCA GAACGGCAGAGAAATAAGAGTCTGGCGGACGAGGACTTAAACAATTTGACGACACAGGCTGTGCTCGAAG CATAGGGTCGGAATTTGATGATGACAAACAGCGAATAGAATCGAGTGCAGTACGCAAAATCGAGATTATTATGA</p>
ISGT_10555	CDSTK	Calcium-dependent serine/threonine kinase	<p>ATGGGAAATACTAATGCTGTAATGTGGGACAAAACGCAACCGTGTATGGTGGGGCAATTTATTCATGCGCTT GATGTTGGCGGGTGGATATCTCACCATTAAAGACCTGATGGACGCTCCAACTCTGACCTTATGTTACTCTATT CCCTGCCAGCTCTTATTTTTTGTATTTGAGAGAAGTGGCCGATTACTGAGAAGGAATTCATACACTTGTGTA GTACTGCCAGTCTGAAAAGCAAAAGTCCGAGGAGCTTTTACACGCAAAAGACTCTCCGATGATCTATTTTGG TGCCTCCAAAGCTGGAGTGAAGATTGCTGTTTCTGGTCTCCTATCGACGCTTTCGCTGACTCAAAA GTACGCTCGATTTTGTCTCAGCAGCGATGCTCATACGGATGCTGTCAAGTACTTATCTTAACTCGTAGCC TTTACCAGACTCAGTGGCTTACAACAGACTCTATCCAAACGAGGACCCTCGCTAGCCGCTCAGATGCTTT CGCCCAAGTCCCAAGCTGACTCAACATCAAGCATTGATGATTCGAGGCGCTTCCGATGAGCATCCATT TGACGGAAATTCGACAGTATCTGTTCTCCTGTGTGCAATGTGTTCTGCGCAACGGGAAACGGAGCAAATGC AATAATGCATGATAACGTCAACGGGACGCTATTGTTCCAGAGATTGACCTGGGAAATCCGAAAATCGTCTG ATCGATGTCGCTGACTAGAAAATATCATAACCGCAAGTATACACAAATAGTGCATCTTCCATGAGGAGGG CTCTCGTGAAGAAATTTAGCCCTGGTGTGGGAGCTCGTGAATTTAACTCAAGTGGGTCGTCACGCTTGAGGA GCTTCGTGCTTTCTGCTCGCTCAGCGAAGTGGTATCGACTGGAGGAACTGCTTTTCAACAAGGAAGCGGG TGAGCCTTTAGAAGTGTGCATCAATGAATTTGACACCACACCGAGTGTGCTGAGCCGGATGAATTTAT GGTCTCGCTGATCTGACTCGTGAATACGAGTTTGGGAAAATCGTATCTCGAAGCTTACGGAGATTATGA GCTGGGGCGCAACAATCGGCGTGGTAGCAGTGGTCTGCTCCGTTGGCGTTCCATGTTGAGAAATCGACAGA TGCCATCAAAAATTTAAAAGGGCAAATGTTCTGATCTCAGTGCAGTTGATCGGAAATCAACTTTAATGATG CGCAAGCAACAAGCATATTGATAGAGCTTGGGAAGTCTTGAATCGGATAACAATAITTTTCAATGTTGATG TTGTGGAGGAGTTCAATGGTTGACATCGTGAATATACCTGAAGAACGGATGCCAGAAGAAATGCACGGT TTTTCATGAGACAAGTTTTGAAAGCTTGGCGTTTTGTGATGGGAATGGAATAGCCATCGGATGTCGCTTTAGA TAATCTTATGTTGATAACAGAGTAACTCAAGTTGACGGACTCCGGCATAGTGGCATGATACCCCGGGCTG GGATATCTTTCTACTCTCTCGTGGTCTGTGCAACTTGTCTCAGCAGCTAATTTGGTCAAGTTCAGT GGGCAAAAATTTGACATTTGGTCTGCGGTGTGGCAGTATATTGTTACTTATGGCCATCCCCGTTTTATGACC CTGATGTAATTTGCTTGCAGCGAATTGACAGTGTCTTTTCAAGTCTCTGGGTTTGTCTGAAAAGGCAAG TGACCTCATAGAAATGATATTCGGGCAATCCGAGGAAAGAAATCCATGATCATGATGCTGCACCATCTCTG GTTTTATGATGGACAGAGTACGGGCGTGTATGAATGATGTTGCTTTCCCGTGGATGCGTTTTACAAGAAGCG CCCCGATATTGCGGAAATGATATTGGCCATGACAATATATCAACATAATCTGCACTTTCATCTCCGTGACTCAC AATCCAAAGTCGCTCCCTGATGAATGAGAGGTCAAGATTGGACCTTGGCTGTTTATGCTTCAAAAATGACATC AAATCTACTGTTCCCTTTTACAAAAGCCTCAACTGGTGGAAAGCCCTCAGGATGACTAGTCGTTGAAAGC TCCTCAGATTGATCTCAAACAAAAGCGGTGGACTAAGACAAAATAACAAATTTACAGATTTAGGAAATCC AAATGTATCACTACCAGATTGCTTATTTTGGACGCCAAAATTTGACAAAATGATATCCAGAAGGAGATTAC TGGTAGAAGCGAAAATTTGAATATGCAAGGAATGGGAAAGCAAGCGATTCTGACAGCTGCTCGCCCCATG AAAAGAGGCTTTCAAGTCACTCAATGGGTGTTGCCACACATCCGAGCCAGCTCCGTTGACAGTTGGTGA GTTTTGATCCTTTTGTGATGGAACTGAGCAAACTGTATTGGAATGGCAGGCTACAGTTTTCCAGGAAGATTGG TGCAGCAAGTCCGATGAAGAAGCGAGACTGTGCAATAGGAGATTTAGAAAAGAACGAGTGGATATCATCTCC CGGTGCATTAATAGACGGCTCAGTGGGATTGCGTGAATCAACCGTTCGGGACAGCTTGGTATCCCGTAC CAAAAAGTGTATCTCAGAGGAAATGCCTGAAAATGCTGCAAAATCTAGATTTGGGAAACCGGATGGGATCAT GATGGAGCAATGAGGACGATGACATATGTTTTCAGGCTAGTTCTGACCTTATCACTCAAAGTGTGTTAAG AAATGGAATAGCTGAGATGGACGGAGGAGATCGGCAGACATGGTGGGTTTCAATGTTGCGAGATTGGAATA AATTGGTGCACATCCGTTAAAACAGTGTCTCCGCAATCTCCCAAGTCGATTGTGTTACTGATGATAGCCGAA ACAAAATGGTGGGAGTAATGCAAAATCATCGGAATGATATCAAGGAGCCAGGAAATAGCCGCAACAGCTC GTGTTCCGTCGAAGCAAAACCAATCATGATGAAGAATCGATGACCCATTTATCGAAGTACGCTCGAAAATG GGAAAGTGGCTTGTCTCAAAAATATGTCGAAGCTTAAACAAATATGTTGCAAAAAGTGCAGAGAGCTGCA GAACGGCAGAGAAATAAGAGTCTGGCGGACGAGGACTTAAACAATTTGACGACACAGGCTGTGCTCGAAG CATAGGGTCGGAATTTGATGATGACAAACAGCGAATAGAATCGAGTGCAGTACGCAAAATCGAGATTATTATGA</p>

Supplementary Table S2. Continued

TranscriptID	Gene name	Description	Sequence
ISGT_3723	CAMK	Calcium-calmodulin-dependent kinase	ATGGCTGTCTCAAGTCTTCCACCAACGCTCCGTTATTCCAAGCCGTAACATGTCGGCTTCTTTTAAAG AAGGGAAGCGATTCCGCTCTCGTATCGACGCTATCTTGGCTACGGTATGATTATATCAAATCATCATCTGA GAACACGCCGTTAAATGCGAAGTCCGTTGTCAGACTGCCGCTTTCCGTCGGGTCTCGTCAAAATGAGTGGT ACTTACACTGCCGCAACGGCGCATATCGTCTTGTGAGAAACGGAGACTCCATAAATGGATAGCTGCCGT CGAAACATCGTACGATGTGGCGTGGATCAATTTCTACATCATGGGAAGTATACTAGGAGAGGGTGCATTTGCACA AGTAAGGATTGCGGAAGACAAAAACCCGGGAACGTTGCGCTATCAAAGTGATTAATAAATGATCATATGATC CGAAAGAGGCGGAATTTAGCTCGAGAAATGGATATTATGAGGAGTGTTCACATCCGAATATTGTTAGAACAT TTGATATCTTCGATTCTCCTTACATCTCCACATTTGACTGGAATTTATGAAAGGTGGCGGATTTTGGATATAAT TGCGGAAGCTGGATCATTTTCGGAAGACAAAGCGCGCAAGTACCGGTGATGAATCAAAGGAGTTCAGTATT TACACATGATGGGAATCGTTCATCGTATTAATAACCCGGAATGTGTTGCTGATCAAAAAGAAATGGCCTTAC AAGTGAAACTTGCCGATTTGGTCTCGCGATTTATCGATCGATGGAGAAATCAATGAGAAAAAGTAATCAACAGC AAAGCATGATTGGAAACGCCCGGTATGTAGCTCCGGAAGTGTCAAACGTGAGAAGTACGGTTCGTGTTGATA TGTGGGCACTCGGTGTGTTGTTGATATATGCTAAGTGGTAAGATGCCGCTTTTATGGACGAGATGATAATGCTT GCCTAAGAATGATTGTGCTGGTCAATTTGCTATGCCAGACCGTGTGAGTGGGCTCGTAAAGCCAATGGCCAAAT CGTTGGTTAAAGTTTCTCAGACCAATCCGGATAAAAGATTGACAGCAAATGACAGCTTACATCATCTTCCGCG TCTGTATCCAGGTCGAATAGCGAAAGGCAATCAAATGATCTCAGTGGATCCATTCGCGTGTGCGAAAAT TTCGCACGTGCTGTGTCGACGATAACTGTTGGTCGTATCAAGGAGATTGCAAACTTGGCCAATCCGCTCTCTA G
ISGT_2504	CIPK	Calcineurin B-like protein (CBL)-interacting protein kinase	ATGGCGCTTACAGAGTAGGGAGCTATCGGCTGGTAAAGACTCTCGGAGTGGTAGTTTACGAAAGTCAAGCTC GCAGAACATGAACCAACTGGCAAGAAAGTTGCCGTCAAAATCCTCAATCGCCAGAAAAATCGAGCCCAACAAAT GGAGGAGAACTCAAACGCAAAATCAAGATTCTGAAAATGTGTATGCATCCACATATCAATCCGCGCGTGTCT TTCAGAGGGAGAAGCGAGGCGTTTTTCCAGCAGATATATCTGGTGGGAATATTGTCACAGCATATGATTGC TCATCGGATCTCAAGCAGAGAACCTTTTACTGTAGGACTTCCAATGTAAATGACAGCTTGGCCTCAGT AACTGCATGCGAGATGTTGTTTCTCAAAACTTCTGGCGAAGCCGAACTATGCTGCTCTGGAAGTTATCTCGG GGAAGCTATATGCAAGCCGCAAGTTGATATTGGAGTTGGCGTGCATGTTTATGCTTTATTGTCGGCAACGCT ACCGTTTGACGATGAAAGTATACCTACTTATTTGAAAAATCAAAGGAGGAATTTATTTTACCAAGCTATCT CTCGGACAATAGCAAGGATATCATCTCGAAAATGCTCGTTACAGACTCTTGAACGATAAAACATCAACGAGAT TAGAAGTCACTCTGGTTCTTCCAGGATCACTCGTATCTTGCATGCCTGTTGATTTGGTGGCACCCTTGAA GATATTGACGAAGATGTTGTAACAAAGCTTCTTCTGTACTCAGTTTCCACAAGACAAGATCATGGCGTATTAC GCCGTGGTAAACGAAACCATTACAGTCCGCTACCAATTAATCAAAGATGCTCAAGATGAACCTGCACAACT CTTGACCCGAGTAAAGCAGCTTGTAGTACTAGAGACCCGATTTGGACTTGGCAGTGGCTCAGAGTACGCTGGA GTCGTTAACCCAGCGGCTTCCGCCCTCAGTAGTAATGGACCCCTCACTGATAGAGCTGATTGTCGAACCTG GGGGTCCGATGACCACAGCGGTTCCAGGGAACAATGGTCGCAATTACGAACTAACACCAGGAAGAGCAATGA ACGGGTGCAACGCAATAGTGGGAGGGATAATGGTGTATAAGACTGCTTGGTGGCGCAATGGGAGCTTGGC ATTCCGTTGCGCACAACGTAATCCGGCAGATGCCATGATGGAGGTTTACCGGGCACTACATGCATCTCAGTGGAG ATGGAAAACGCCAGCAATAACAACGCATCGATGGGGATCTTATTGGATACTTTTTGCTGTTGTA ATGCGCTTGTGCTGTTGCGCCCTCGCACCTTTGCTGGATTCCGTTACAGCTTAGGTGCAAAAGCTGGGGAGG GGCTGTTTGCACCCTGTATAAGGCAACGCAATTTGGCGATAATGGCAGGTTGCTATCAAAGCTGTTGAAAAA ATGCGCTCAACAAAGAAACCGCAATCTTGTGATAACGAGCTGCAAAATTTGGCGCTGATTCGCAACACCT GGCATAGTACGCTTCTTGTATCATATTGACACTGATACTCACATGTTCTTTGACTGGAGTATGTTGATGGTGGAC CTCTGCTTGTATCGGATTGTAAGAGGAGGCTTCAAGTGAAGCAATGCACGAACTACTTCCGCGCAGATTCTAC TCACATTTGAAATTTCTTCTGAACCTGGCTGCTACACCGTGACATTAACCCGAAAAACATCTTGGTTGATAATTA TTCGCTTCAATGGCCCGTCAAAGTAACCGATTTTGGTCTTCTGCAAGATGCAACAGCAACACCGTGTATGCC CGGATGGTACCCGCTCTTGTGACACCAGAAATTTAAAGGACAAGGATAGCTGTTGCTGTGATATGTTGG AGCCTTGGCGTTGCTATGATCATGCTGCTTTCGGGTATCCCCGTTTCCGTTGACGAGGGTCCGAAAAGCTCAA TTGGCGCATAGTTAACGGCAATATAATTTTCCCTCGGGGAATGGGATCATGATCAATGATGCAAAAGGATG TAATACGCCGATGCTTGAGAAAGATCCTTCAAACGCATTACTCAAAGCCGCTTTCGGCATCGTTGGGTTT CCCCTGCGAGTCAACTCTGGCTACCCAATCAGCAACTCAAATCTTTAATGCTCGCCGCAAGCTGAAAGCGA GCTTCTGGCTGTCGCGCACCTCGGATTTTATGAATAGCATTAACTGATCCGTAATACCCGACACTTGAAC GCGGAGGAAACAAAAGGACCTACTACGTGAGGTGGAAGAAAGCCGTGCAATTAATGAGCAATTAGGCAATGGG GTATACTGATCAACCGGCTTCTCAGCTTCGACCCGAAAAATGAATCTTATGATGGCGATGACTTTGTCAGG AGGAAGTAAGAGATCTCTGTTTACCTGTGAATGGTTTGTATAATGATCTTTGTTGATGAACTCAAATCTGAG ACCTACAAATTGGAAAGGATCGACTTTCGTTTCCAAAATAATGGAATAAATGTGCTTCTTCTCAAATATTGGA ATCGAAAAGCAAAAGGCAATGGTGGCAGAAAGTAAACCAAGTTGTCTGGCTGCAACACAAATCCATTTATGT CAGGACGTCGGGAGATGCCGAAGAAATCCAAAGACAGTTGGCAGCGCTGAAACAGATCTGATGTCGACCA TCTACCTTGGATTCTGGATTTGGTTACTGGATGCACTATGA
ISGT_2089	CDPKL	Calcium-dependent protein kinases-like gene	ATGCGCTTGTGCTGTTGCGCCCTCGCACCTTTGCTGGATTCCGTTACAGCTTAGGTGCAAAAGCTGGGGAGG GGCTGTTTGCACCCTGTATAAGGCAACGCAATTTGGCGATAATGGCAGGTTGCTATCAAAGCTGTTGAAAAA ATGCGCTCAACAAAGAAACCGCAATCTTGTGATAACGAGCTGCAAAATTTGGCGCTGATTCGCAACACCT GGCATAGTACGCTTCTTGTATCATATTGACACTGATACTCACATGTTCTTTGACTGGAGTATGTTGATGGTGGAC CTCTGCTTGTATCGGATTGTAAGAGGAGGCTTCAAGTGAAGCAATGCACGAACTACTTCCGCGCAGATTCTAC TCACATTTGAAATTTCTTCTGAACCTGGCTGCTACACCGTGACATTAACCCGAAAAACATCTTGGTTGATAATTA TTCGCTTCAATGGCCCGTCAAAGTAACCGATTTTGGTCTTCTGCAAGATGCAACAGCAACACCGTGTATGCC CGGATGGTACCCGCTCTTGTGACACCAGAAATTTAAAGGACAAGGATAGCTGTTGCTGTGATATGTTGG AGCCTTGGCGTTGCTATGATCATGCTGCTTTCGGGTATCCCCGTTTCCGTTGACGAGGGTCCGAAAAGCTCAA TTGGCGCATAGTTAACGGCAATATAATTTTCCCTCGGGGAATGGGATCATGATCAATGATGCAAAAGGATG TAATACGCCGATGCTTGAGAAAGATCCTTCAAACGCATTACTCAAAGCCGCTTTCGGCATCGTTGGGTTT CCCCTGCGAGTCAACTCTGGCTACCCAATCAGCAACTCAAATCTTTAATGCTCGCCGCAAGCTGAAAGCGA GCTTCTGGCTGTCGCGCACCTCGGATTTTATGAATAGCATTAACTGATCCGTAATACCCGACACTTGAAC GCGGAGGAAACAAAAGGACCTACTACGTGAGGTGGAAGAAAGCCGTGCAATTAATGAGCAATTAGGCAATGGG GTATACTGATCAACCGGCTTCTCAGCTTCGACCCGAAAAATGAATCTTATGATGGCGATGACTTTGTCAGG AGGAAGTAAGAGATCTCTGTTTACCTGTGAATGGTTTGTATAATGATCTTTGTTGATGAACTCAAATCTGAG ACCTACAAATTGGAAAGGATCGACTTTCGTTTCCAAAATAATGGAATAAATGTGCTTCTTCTCAAATATTGGA ATCGAAAAGCAAAAGGCAATGGTGGCAGAAAGTAAACCAAGTTGTCTGGCTGCAACACAAATCCATTTATGT CAGGACGTCGGGAGATGCCGAAGAAATCCAAAGACAGTTGGCAGCGCTGAAACAGATCTGATGTCGACCA TCTACCTTGGATTCTGGATTTGGTTACTGGATGCACTATGA

CDTK, calcium-dependent tyrosine kinase; CDSTK, calcium-dependent serine/threonine kinase; CAMK, calcium-calmodulin-dependent kinase; CIPK, CBL-interacting protein kinase; CDPKL, calcium-dependent protein kinase-like gene.