

Supplementary Information

Complete characterization and validation of *CcTFLI* governing plant architecture in pigeonpea (*Cajanus cajan* (L.) Millsp.)

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>ON711024 [*Cajanus cajan*] determinate growth habit Genotype PADT 16 gene *CcTFLI* complete cds

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CATTCTTCTCGCTGTCTTCCTTCTTCCTTATAATGGCAAGAATGCCTATAGAGCCTCTAATAGTG
GGAAGAGTCATAGGAGAAGTTCTTGATTCTTTCACCACATGACTGTGAGTTACAACAAGAAGCAA
GTCTACAATGGCCATGAGCTCTTCCCTTCCACTGTCAACACCATAACCAAGGTTGAGATTGATGGT
GGTGATATGAGGTCCTTCTTCACACTGGTATATATGTATCTCTTCTTATATTCCTTTTCTTTGAAGA
ACAAAGGGGTGAAAAAAGAAAAAATTAAGCTGTTTTCCAGTGTGTTTCGTTTGTGTTTTCTGTA
ATCATGCTCACACAATCACACTATATGCCTCTTTATTGGAGTTTTCTTCAAGAGTACTGAATCATT
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CAAGATATATATGCATCCTTTTCATCACATCAAATTAACCACTGAAGTAAATGAAGAAGGTACATAT
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AAACAATCTCAAAGGGTGAATAAATCTCGAAGTCTCAAACATAACATAATTAACGGTATATATAT
GTAAGGTAAACTAGCCATTCATAGGTATCTAACAGTCAACAAATTTGTTGGAAATATTCTTTTTGC
AGGATAGTGACAGATATTCCAGGCACAACAGATGCCACATTTGGTAGGTTTCATGTAAATGATTGGT
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TTGTCCTGTTCAAGCAAAAGCGTAGGCAGTGTGTTACTCCACCTGCTTCAAGGGATCACTTCAACA
CACGCAATTCGCCGCACAGAATGACCTTGGCCTCCCTGTGGCTGCTGTCTACTTCAATGCACAGA
GGGAAACGGCTGCAAGAAGACGCTAGCGAGCATACTTGGTGATTGCATGCTGCACACTCAAG

>ON711026 [*Cajanus cajan*] indeterminate growth habit Genotype BDN 711 gene *CcTFL1* complete cds

CTTCTCTCTCTCTCTCTCTCTCTCTTATAATGGCAAGAATGCCTATAGAGCCTCTAATAGTGGG
AAGAGTCATAGGAGAAGTTCTTGATTCTTTACCACAAGCATAAAAATGACTGTGAGTTACAACA
AGAAGCAAGTCTACAATGGCCATGAGCTCTTCCCTTCCACTGTCAACACCATACCCAAGGTTGAGA
TTGATGGTGGTGATATGAGGTCCCTTCTTCACACTGGTATATATGTATCTCTTCTTATATTCCCTTTTC
TTTGAAGAACAAAGGGGTGAAAAAAAAGAAAAAATTAAGCTGTTTTCCAGTGTGTTCTGTTTGTTGT
TTTCTGTAATCATGCTCACACAATCACACTATATGCCTCTTTTATTGGAGTTTTCTTCAAGAGTACT
GAATCATTAAGCTAAATGTCTCCCTTTTTTGTGCACAGATCATGACAGACCCGGATGTTCCCTGGCCCT
AGTGATCCTTATCTGAGAGAGCACTTGCCTGGTACTCAATTATACCATCATTTTAGTTTATTAAAC
ATTGCTTAAATACTTAAGCTGTAACACTAACTAACCATTATATAACATAAAAGAAAAACCCACCAC
ACCACATAGCCACTGGATTCTTTTAACAACCTCAACAAAAATTTTAAGATAATCATTTAAAAGTACT
TAACTGTTTACCCATCTGACAATATTCACGTGAGATGTCTGTGTATTTTAAGCCTAATAGAAGTTTG
AAGTTTTACAAGATATATATGCATCCTTTCATCACATCAAATTAACCACTGAAGTAAATGAAGAAG
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AAAACCAAAACAATCTCAAAGGGTGAATAAATCTCGAAGTCTCAAACATAACATAATTAACGGTA
TATATATGTAAGGTAACTAGCCATTTCATAGGTATCTAACAGTCAACAAATTTGTTGGAAATATTC
TTTTTGCAGGATAGTGACAGATATTCCAGGCACAACAGATGCCACATTTGGTAGGTTTCATGTAAAT
GATTGGTATATAAGGGAACTTTCACTTACTACTGATGATGAGAGAGACTGACAAATATGATCTAT
CTTGCTGTTGTAGGGAAAGAGTTGGTGAGCTATGAGATCCCAAAGCCTAATATTGGGATCCATAGG
TTTGTGTTTGTCTCTGTTCAAGCAAAAGCGTAGGCAGTGTGTTACTCCACCTGCTTCAAGGGATCACT
TCAACACACGCAATTTGCGCGCACAGAATGACCTTGGCCTCCCTGTGGCTGCTGTCTACTTCAATG
CACAGAGGGAAACGGCTGCAAGAAGACGCTAGCGAGCATACTTGGTGATTGCTTACTGC

[illegible]

GGTTTGTGTTTGTCTGTTCAAGCAAAAGCGTAGGCAGTGTGTTACTCCACCTGCTTCAAGGGATC
ACTTCAACACACGCAATTTGCGCCGACAGAATGACCTTGGCCTCCCTGTGGCTGCTGTCTACTTCA
ATGCACAGAGGGGAAACGGCTGCAAGAAGACGCTAGCGAGCATACTTGGTGATTGCTTCTGCA

>ON711028 [*Cajanus cajan*] indeterminate growth habit Genotype GT 104 gene *CcTFL1* complete cds
GCTTCTTCTCGCTGTCTTACTTCTTCCTCTTATAATGGCAAGAATGCCTATAGAGCCTCTAATAGTG
GGAAGAGTCATAGGAGAAGTTCTTGATTCTTTCACCACAAGCATAAAAAATGACTGTGAGTTACAA
CAAGAAGCAAGTCTACAATGGCCATGAGCTCTTCCCTTCCACTGTCAACACCATAACCAAGGTTGA
GATTGATGGTGGTGATATGAGGTCCTTCTTCACACTGGTATATATGTATCTCTTCTTATATTCCCTTT
TCTTTGAAGAACAAAGGGGTGAAAAAAGAAAAAATTAAGCTGTTTTCCAGTGTGTTTCGTTTGT
GTTTTCTGTAATCATGCTCACACAATCACACTATATGCCTCTTTTATTGGAGTTTTCTTCAAGAGTA
CTGAATCATTAAAGCTAAATGTCTCCCTTTTTTGTACAGATCATGACAGACCCGGATGTTCTGGCC
CTAGTGATCCTTATCTGAGAGAGCACTTGCCTGGTACTCAATTATACCATCATTTTAGTTTATTAA
ACATTGCTTAAATACTTAAGCTGTAACTAACTAACTAACCATTATAACATAAAAGAAAAACCCACC
ACACCACATAGCCACTGGATTCTTTTAACAACCTCAACAAAAATTTTAAGATAATCATTTAAAAGTA
CTTAAGTGTTTACCCATCTGACAATATTCACGTCAGATGTCTGTGTATTTTAAGCCTAATAGAAGTT
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AGGTACATATATACATACCTTTAACTGTATTCTGTAAAAGTAGCACGTTCTACCAAATCCATCCAC
CCTAAAACCAAAACAATCTCAAAGGGTGAATAAATCTCGAAGTCTCAAACATAACATAATTAACG
GTATATATATGTAAGGTAACTAGCCATTATAGGTATCTAACAGTCAACAAATTTGTTGGAAATA
TTCTTTTTTGAGGATAGTGACAGATATTCAGGCACAACAGATGCCACATTTGGTAGGTTTCATGTA
AATGATTGGTATATAAGGGAACCTTCACTTACTACTGATGATGAGAGAGACTGACAAATATGATC
TATCTTGCTGTTGTAGGGAAGAGTTGGTGAGCTATGAGATCCCAAAGCCTAATATTGGGATCCAT
AGGTTTGTGTTTGTCTGTTCAAGCAAAAGCGTAGGCAGTGTGTTACTCCACCTGCTTCAAGGGAT
CACTTCAACACACGCAATTTGCGCCGACAGAATGACCTTGGCCTCCCTGTGGCTGCTGTCTACTTC
AATGCACAGAGGGGAAACGGCTGCAAGAAGACGCTAGCGAGCATACTTGGTGATTGTATGCTGCAC
A

>ON711029 [*Cajanus cajan*] indeterminate growth habit Genotype GT 105 gene *CcTFL1* complete cds
CTTTCTTCTCTTCTTCTTCCTCTTATAATGGCAAGAATGCCTATAGAGCCTCTAATAGTGGG
AAGAGTCATAGGAGAAGTTCTTGATTCTTTCACCACAAGCATAAAAAATGACTGTGAGTTACAACA
AGAAGCAAGTCTACAATGGCCATGAGCTCTTCCCTTCCACTGTCAACACCATAACCAAGGTTGAGA
TTGATGGTGGTGATATGAGGTCCTTCTTCACACTGGTATATATGTATCTCTTCTTATATTCCCTTTTC
TTTGAAGAACAAAGGGGTGAAAAAAGAAAAAATTAAGCTGTTTTCCAGTGTGTTTCGTTTGTGT
TTTCTGTAATCATGCTCACACAATCACACTATATGCCTCTTTTATTGGAGTTTTCTTCAAGAGTACT
GAATCATTAAAGCTAAATGTCTCCCTTTTTTGTACAGATCATGACAGACCCGGATGTTCTGGCCCT
AGTGATCCTTATCTGAGAGAGCACTTGCCTGGTACTCAATTATACCATCATTTTAGTTTATTAAAC
ATTGCTTAAATACTTAAGCTGTAACTAACTAACCATTATAACATAAAAGAAAAACCCACCAC
ACCACATAGCCACTGGATTCTTTTAACAACCTCAACAAAAATTTTAAGATAATCATTTAAAAGTACT
TAACTGTTTACCCATCTGACAATATTCACGTCAGATGTCTGTGTATTTTAAGCCTAATAGAAGTTTG
AAGTTTTACAAGATATATATGCATCCTTTCATCACATCAAATTAACCACTGAAGTAAATGAAGAAG

GTACATATATACATACCTTTAACTGTATTCTGTAAAAGTAGCACGTTCTACCAAATCCATCCACCCT
AAAACCAAAACAATCTCAAAGGGTGAATAAATCTCGAAGTCTCAAACATAACATAATTAACGGTA
TATATATGTAAGGTAACTAGCCATTCATAGGTATCTAACAGTCAACAAATTTGTTGGAAATATTC
TTTTTGCAGGATAGTGACAGATATTCCAGGCACAACAGATGCCACATTTGGTAGGTTTCATGTAAAT
GATTGGTATATAAGGGAACCTTTCAACTTACTACTGATGATGAGAGAGACTGACAAATATGATCTAT
CTTGCTGTTGTAGGGAAAGAGTTGGTGAGCTATGAGATCCCAAAGCCTAATATTGGGATCCATAGG
TTTGTGTTTGTCTGTTCAGCAAAAGCGTAGGCAGTGTGTTACTCCACCTGCTTCAAGGGATCACT
TCAACACACGCAATTTGCGCCGCACAGAATGACCTTGGCCTCCCTGTGGCTGCTGTCTACTTCAATG
CACAGAGGGAAACGGCTGCAAGAAGACGCTAGCGAGCATACTTGGTGATTGCTTCTGCAC

>ON711014 [Cajanus cajan] determinate growth habit Genotype GT 100 gene CcTFL1 partial cds

CCACATGACTGTGAGTTACAACAAGAAGCAAGTCTACAATGGCCATGAGCTCTTCCCTTCCACTGT
CAACACCATAACCAAGGTTGAGATTGATGGTGGTGATATGAGGTCCTTCTTCACACTGGTATATAT
GTATCTCTTCTTATATTCCCTTTTCTTTGAAGAACAAAGGGGTGAAAAAAGAAAAAATTAAGCT
GTTTTCCAGTGTGTTTCGTTTGTGTTTTCTGTAATCATGCTCACACAATCACACTATATGCCTCTTTT
ATTGGAGTTTTCTTCAAGAGTACTGAATCATTAAAGCTAAATGTCTCCCTTTTTTGTACAGATCATG
ACAGACCCGGATGTTCCCTGGCCCTAGTGATCCTTATCTGAGAGAGCACTTGCACTGGTACTCAATT
ATACCATCATTTTAGTTTTATTAAACATTGCTTAAATACTTAAGCTGTAACACTAAACTAACCATTTA
TAACATAAAAGAAAAACCCACCACACCACATAGCCACTGGATTCTTTTAACAACTCAACAAAATTT
TTAAGATAATCATTTAAAAGTACTTAACTGTTTACCCATCTGACAATATTCACGTCAGATGTCTGTG
TATTTTAAGCCTAATAGAAGTTTGAAGTTTACAAGATATATATGCATCCTTTCATCACATCAAAA
A

> ON711015 [Cajanus cajan] determinate growth habit Genotype ICPL 87 gene CcTFL1 partial cds

CCACATGACTGTGAGTTACAACAAGAAGCAAGTCTACAATGGCCATGAGCTCTTCCCTTCCACTGT
CAACACCATAACCAAGGTTGAGATTGATGGTGGTGATATGAGGTCCTTCTTCACACTGGTATATAT
GTATCTCTTCTTATATTCCCTTTTCTTTGAAGAACAAAGGGGTGAAAAAAGAAAAAATTAAGCT
GTTTTCCAGTGTGTTTCGTTTGTGTTTTCTGTAATCATGCTCACACAATCACACTATATGCCTCTTTT
ATTGGAGTTTTCTTCAAGAGTACTGAATCATTAAAGCTAAATGTCTCCCTTTTTTGTACAGATCATG
ACAGACCCGGATGTTCCCTGGCCCTAGTGATCCTTATCTGAGAGAGCACTTGCACTGGTACTCAATT
ATACCATCATTTTAGTTTTATTAAACATTGCTTAAATACTTAAGCTGTAACACTAAACTAACCATTTA
TAACATAAAAGAAAAACCCACCACACCACATAGCCACTGGATTCTTTTAACAACTCAACAAAATTT
TTAAGATAATCATTTAAAAGTACTTAACTGTTTACCCATCTGACAATATTCACGTCAGATGTCTGTG
TATTTTAAGCCTAATAGAAGTTTGAAGTTTACAAGATATATATGCATCCTTTCATCAACATCAAA
AA

> ON711016 [Cajanus cajan] determinate growth habit Genotype AVPP 1 gene CcTFL1 partial cds

CCACATGACTGTGAGTTACAACAAGAAGCAAGTCTACAATGGCCATGAGCTCTTCCCTTCCACTGT
CAACACCATAACCAAGGTTGAGATTGATGGTGGTGATATGAGGTCCTTCTTCACACTGGTATATAT
GTATCTCTTCTTATATTCCCTTTTCTTTGAAGAACAAAGGGGTGAAAAAAGAAAAAATTAAGCT
GTTTTCCAGTGTGTTTCGTTTGTGTTTTCTGTAATCATGCTCACACAATCACACTATATGCCTCTTTT

ATTGGAGTTTTCTTCAAGAGTACTGAATCATTAAAGCTAAATGTCTCCCTTTTTTGTACAGATCATG
ACAGACCCGGATGTTCCCTGGCCCTAGTGATCCTTATCTGAGAGAGCACTTGCACTGGTACTCAATT
ATACCATCATTTTAGTTTTATTAAACATTGCTTAAATACTTAAGCTGTAACACTAACTAACCATTTA
TAACATAAAAGAAAAACCCACCACACCACATAGCCACTGGATTCTTTTAACAACCTCAACAAAATTT
TTAAGATAATCATTTAAAAGTACTTAACTGTTTACCCATCTGACAATATTCACGTCAGATGTCTGTG
TATTTTAAGCCTAATAGAAGTTTGAAGTTTACAAGATATATATGCATCCTTTCATTCCACATCAAA
AG

> **ON711017 [Cajanus cajan] determinate growth habit Genotype ICPL 20336 gene CcTFL1 partial cds**
CCACATGACTGTGAGTTACAACAAGAAGCAAGTCTACAATGGCCATGAGCTCTTCCCTTCCACTGT
CAACACCATAACCAAGGTTGAGATTGATGGTGGTGATATGAGGTCCTTCTTCACACTGGTATATAT
GTATCTCTTCTTATATTCCCTTTTTCTTTGAAGAACAAGGGGTGAAAAAAGAAAAATTAAGCT
GTTTTCCAGTGTGTTTCGTTTGTGTTTTCTGTAATCATGCTCACACAATCACACTATATGCCTCTTTT
ATTGGAGTTTTCTTCAAGAGTACTGAATCATTAAAGCTAAATGTCTCCCTTTTTTGTACAGATCATG
ACAGACCCGGATGTTCCCTGGCCCTAGTGATCCTTATCTGAGAGAGCACTTGCACTGGTACTCAATT
ATACCATCATTTTAGTTTTATTAAACATTGCTTAAATACTTAAGCTGTAACACTAACTAACCATTTA
TAACATAAAAGAAAAACCCACCACACCACATAGCCACTGGATTCTTTTAACAACCTCAACAAAATTT
TTAAGATAATCATTTAAAAGTACTTAACTGTTTACCCATCTGACAATATTCACGTCAGATGTCTGTG
TATTTTAAGCCTAATAGAAGTTTGAAGTTTACAAGATATATATGCATCCTTTCATTCCCATCCAAAA
A

> **ON711018 [Cajanus cajan] determinate growth habit Genotype ICPL 11258 gene CcTFL1 partial cds**
CCACATGACTGTGAGTTACAACAAGAAGCAAGTCTACAATGGCCATGAGCTCTTCCCTTCCACTGT
CAACACCATAACCAAGGTTGAGATTGATGGTGGTGATATGAGGTCCTTCTTCACACTGGTATATAT
GTATCTCTTCTTATATTCCCTTTTTCTTTGAAGAACAAGGGGTGAAAAAAGAAAAATTAAGCT
GTTTTCCAGTGTGTTTCGTTTGTGTTTTCTGTAATCATGCTCACACAATCACACTATATGCCTCTTTT
ATTGGAGTTTTCTTCAAGAGTACTGAATCATTAAAGCTAAATGTCTCCCTTTTTTGTACAGATCATG
ACAGACCCGGATGTTCCCTGGCCCTAGTGATCCTTATCTGAGAGAGCACTTGCACTGGTACTCAATT
ATACCATCATTTTAGTTTTATTAAACATTGCTTAAATACTTAAGCTGTAACACTAACTAACCATTTA
TAACATAAAAGAAAAACCCACCACACCACATAGCCACTGGATTCTTTTAACAACCTCAACAAAATTT
TTAAGATAATCATTTAAAAGTACTTAACTGTTTACCCATCTGACAATATTCACGTCAGATGTCTGTG
TATTTTAAGCCTAATAGAAGTTTGAAGTTTACAAGATATATATGCATCCTTTCATTCCACATCTAA
AAAGAA

> **ON711019 [Cajanus cajan] indeterminate growth habit Genotype GT 103 gene CcTFL1 partial cds**
CCACAAGCATAAAAATGACTGTGAGTTACAACAAGAAGCAAGTCTACAATGGCCATGAGCTCTTC
CCTTCCACTGTCAACACCATAACCAAGGTTGAGATTGATGGTGGTGATATGAGGTCCTTCTTCACA
CTGGTATATATGTATCTCTTCTTATATTCCCTTTTTCTTTGAAGAACAAGGGGTGAAAAAAGAA
AAAATTAAGCTGTTTTCCAGTGTGTTTCGTTTGTGTTTTCTGTAATCATGCTCACACAATCACACTA
TATGCCTCTTTTATTGGAGTTTTCTTCAAGAGTACTGAATCATTAAAGCTAAATGTCTCCCTTTTTTGT
CACAGATCATGACAGACCCGGATGTTCCCTGGCCCTAGTGATCCTTATCTGAGAGAGCACTTGCACT

GGTACTCAATTATAACCATCATTTTAGTTTATTAAACATTGCTTAAATACTTAAGCTGTAACACTAAA
CTAACCATTTATAACATAAAAGAAAAACCCACCACACCACATAGCCACTGGATTCTTTTAACAAC
CAACAAAAATTTTAAGATAATCATTTAAAGTACTTAACTGTTTACCCATCTGACAATATTCACGT
CAGATGTCTGTGTATTTTAAGCCTAATAGAAGTTTGAAGTTTACAAGATATATATGCATCCTTTCA
TTCACATCAAAAA

> ON711020 [Cajanus cajan] indeterminate growth habit Genotype GT 101 gene CcTFL1 partial cds

CCACAAGCATAAAAATGACTGTGAGTTACAACAAGAAGCAAGTCTACAATGGCCATGAGCTCTTC
CCTTCCACTGTCAACACCATAACCAAGGTTGAGATTGATGGTGGTGATATGAGGTCCTTCTTCACA
CTGGTATATATGTATCTCTTCTTATATTCCCTTTTCTTTGAAGAACAAAGGGGTGAAAAAAAAGAA
AAAATTAAGCTGTTTTCCAGTGTGTTTCGTTTGTTGTTTTCTGTAATCATGCTCACACAATCACACTA
TATGCCTCTTTTATTGGAGTTTTCTTCAAGAGTACTGAATCATTAAAGCTAAATGTCTCCCTTTTTTGT
CACAGATCATGACAGACCCGGATGTTCTGGCCCTAGTGATCCTTATCTGAGAGAGCACTTGCACT
GGTACTCAATTATAACCATCATTTTAGTTTATTAAACATTGCTTAAATACTTAAGCTGTAACACTAAA
CTAACCATTTATAACATAAAAGAAAAACCCACCACACCACATAGCCACTGGATTCTTTTAACAAC
CAACAAAAATTTTAAGATAATCATTTAAAGTACTTAACTGTTTACCCATCTGACAATATTCACGT
CAGATGTCTGTGTATTTTAAGCCTAATAGAAGTTTGAAGTTTACAAGATATATATGCATCCTTCAT
TCCCCATCAAAAATTA AAAA

> ON711021 [Cajanus cajan] indeterminate growth habit Genotype P 992 gene CcTFL1 partial cds

CCACAAGCATAAAAATGACTGTGAGTTACAACAAGAAGCAAGTCTACAATGGCCATGAGCTCTTC
CCTTCCACTGTCAACACCATAACCAAGGTTGAGATTGATGGTGGTGATATGAGGTCCTTCTTCACA
CTGGTATATATGTATCTCTTCTTATATTCCCTTTTCTTTGAAGAACAAAGGGGTGAAAAAAAAGAA
AAAATTAAGCTGTTTTCCAGTGTGTTTCGTTTGTTGTTTTCTGTAATCATGCTCACACAATCACACTA
TATGCCTCTTTTATTGGAGTTTTCTTCAAGAGTACTGAATCATTAAAGCTAAATGTCTCCCTTTTTTGT
CACAGATCATGACAGACCCGGATGTTCTGGCCCTAGTGATCCTTATCTGAGAGAGCACTTGCACT
GGTACTCAATTATAACCATCATTTTAGTTTATTAAACATTGCTTAAATACTTAAGCTGTAACACTAAA
CTAACCATTTATAACATAAAAGAAAAACCCACCACACCACATAGCCACTGGATTCTTTTAACAAC
CAACAAAAATTTTAAGATAATCATTTAAAGTACTTAACTGTTTACCCATCTGAAAATATTCACGT
CAGATGTCTGTGTATTTTAAGCCTAATAGAAGTTTGAAGTTTACAAGATATATATGCATCC

> ON711022 [Cajanus cajan] indeterminate growth habit Genotype AGT 2 gene CcTFL1 partial cds

CCACAAGCATAAAAATGACTGTGAGTTACAACAAGAAGCAAGTCTACAATGGCCATGAGCTCTTC
CCTTCCACTGTCAACACCATAACCAAGGTTGAGATTGATGGTGGTGATATGAGGTCCTTCTTCACA
CTGGTATATATGTATCTCTTCTTATATTCCCTTTTCTTTGAAGAACAAAGGGGTGAAAAAAAAGAA
AAAATTAAGCTGTTTTCCAGTGTGTTTCGTTTGTTGTTTTCTGTAATCATGCTCACACAATCACACTA
TATGCCTCTTTTATTGGAGTTTTCTTCAAGAGTACTGAATCATTAAAGCTAAATGTCTCCCTTTTTTGT
CACAGATCATGACAGACCCGGATGTTCTGGCCCTAGTGATCCTTATCTGAGAGAGCACTTGCACT
GGTACTCAATTATAACCATCATTTTAGTTTATTAAACATTGCTTAAATACTTAAGCTGTAACACTAAA
CTAACCATTTATAACATAAAAGAAAAACCCACCACACCACATAGCCACTGGATTCTTTTAACAAC
CAACAAAAATTTTAAGATAATCATTTAAAGTACTTAACTGTTTACCCATCTGACAATATTCACGT

CAGATGTCTGTGTATTTTAAGCCTAATAAAAAGTTTGAAGTTTACAAGATATATATGCATCCTTTCT
TCCCATCAAAAGCGGA

> ON711023 [*Cajanus cajan*] indeterminate growth habit Genotype UPAS 120 gene CcTFL1 partial cds
CCACAAGCATAAAAATGACTGTGAGTTACAACAAGAAGCAAGTCTACAATGGCCATGAGCTCTTC
CCTTCCACTGTCAACACCATAACCAAGGTTGAGATTGATGGTGGTGATATGAGGTCCTTCTTCACA
CTGGTATATATGTATCTCTTCTTATATTCCCTTTTCTTTGAAGAACAAAGGGGTGAAAAAAAAGAA
AAAATTAAGCTGTTTTCCAGTGTGTTTCGTTTGTGTTTTCTGTAATCATGCTCACACAATCACACTA
TATGCCTCTTTTATTGGAGTTTTCTTCAAGAGTACTGAATCATTAAGCTAAATGTCTCCCTTTTTTGT
CACAGATCATGACAGACCCGGATGTTCTGGCCCTAGTGATCCTTATCTGAGAGAGCACTTGCACT
GGTACTCAATTATAACCATCATTTTAGTTTATTAAACATTGCTTAAATACTTAAGCTGTAACACTAAA
CTAACCATTTATAACATAAAAGAAAAACCCACCACACCACATAGCCACTGGATTCTTTTAACAAC
CAACAAAAATTTTAAAATAATCATTTAAAGTACTTAAGTGTTTACCCATCTGACAATATTCACGT
CAGATGTCTGTGTATTTTAAGCCTAATAGAAG

>OQ540751 [*Cajanus cajanifolius*] indeterminate growth habit gene CcTFL1 partial cds
TTCTCTCTTCTTCCTTCTTCCTCTTATAATGGCAAGAATGCCTATAGAGCCTCTAATAGTGGGAAGA
GTCATAGGAGAAGTTCTTGATTCTTTCACCACAAGCATAAAAATGACTGTGAGTTACAACAAGAA
GCAAGTCTACAATGGCCATGAGCTCTTCCCTTCCACTGTCAACACCGTACCCAAGGTTGAGATTGA
TGGTGGTGATATGAGGTCCTTCTTCACACTGGTATATATGTATCTCTTCTTACTCCCTTTTCTTTGAA
GAACAAAAGGGTGGAAAAAAGAAAAAATTAAGTGTGAGCTGTTTTCCAGTGTGTTGTTTGTGTT
GTTTTCTGTAATCATGCTCACACAATCACACTATATGCCTCTTTTATTGGAGTTTTCTTCAAGAGTA
CTGAATCATTAAGCTAAATGTCTCCCTTTTTTGTACAGATCATGACAGACCCGGATGTTCTGGCC
CTAGTGATCCTTATCTGAGAGAGCACTTGCACTGGTACTCAATTATAACCATCATTTTAGTTTATTAA
ACATTGCTTAAATACTTAAGCTGTAACACTAAAATAACCATTTATAACATAAAAGAAAAACCCACC
ACACCACATAGCCACTGGATTCTTTTAACAACCTCAACAAAAATTTAAGATAATCATTTAAAAGTA
CTTAAGTGTTTACCCATCTGACAATATTCACGTCAGATGTCTGTGTATTTTAAGCCTAATAGAAGTT
TTGAAGTTTTACAAGATATATATGCATCCTTTCATCACATCAAATTAACCACTGAAGTAAATGAAG
AAGGTACATATATACATACCTTTAATTGTATTCTGTAAAAGTAGCACGTTCTACCAAATCCATCCA
CCCTAAAACCAAAACAATCTCAAAGGGTGAATAAATCTCGAAGTCTCAAACATAACATAATTAAC
GGTATATATATGTAAGGTAAACTAGCCATTCTAGGTATCTAACAGTCAACAAATTTGTTGGAAT
ATTCTTTTTTGCAGGATAGTGACAGATATTCCAGGCACAACAGATGCCACATTTGGTAGGTTTCATGT
AAATGATTGGGATATAAAGGGAACCTTTCAACTTACTACGGATGATGAAGAAAAAAT

>OQ540752 [*Cajanus scarabaeoides*] indeterminate growth habit gene CsTFL1 complete cds
AATTAAGCCTTCTTTCTCCTCCTTCCTTCTTCTCTTATAATGGCAAGAATGCCTATAGAGCCT
CTAATAGTGGGAAGAGTCATAGGAGAAGTTCTTGATTCTTTCACCACAAGCATAAAAATGACTGTG
AGTTACAACAAGAAGCAAGTCTACAATGGCCATGAGCTCTTCCCTTCCACTGTCAACACCATACCC
AAGGTTGAGATTGATGGTGGTGATATGAGGTCCTTCTTCACACTGGTATATATGTATCTCTTCTTAT
ATTCCCTTTTCTTTGAAGAACAAACGGGTGGAAAAAAGAAAAAATTAAGTGTGAGCTGTTTTCC
AGTGTGTTTGTGTTGTTTCTGTAATCATGCTCACACAATCACACTATATGCCTTTTATTGGAGTT

TTCTTCAAGAGTACTGAATCATTAAAGCTAAATGTCTCCCTTTTTTGTGCAGATCATGACAGACCCG
GATGTTCCCTGGCCCTAGTGATCCTTATCTGAGAGAGCACTTGCCTGGTACTCAATTATACCATCAT
TTTAGTTTATTAAACATTGCTTAAATACTTAAAGCTGTAACACTAACTAACCATTTATAACATAAA
AGAAAAACCCACCACACCACATAGCCACTGGATTCTTTGAACAACCTCAACAAAAATTTTAAGATA
ATCATTTAAAAGTACTTAACTGTTTACCCATCTGACAATATTCACGTCAGATGTCTGTGTATTTTAA
GCCTAATAGAAGTTTGAAGTTTACAAGATATATATGCATCCTTTCATCACATCAAATTAACCACT
GAAGTAAATGAAGAAGGTACATATATACATACCTTTAATTGTATTCTGTAAAAGTAGCACGTTCTA
CCAAATCCATCCACCCTAAAACCAAAACAATCTCAAAGGGTGAATAAATCTCGAAGTCTCAAACA
TAATATAATTAACGGTATATGTAAGGTAACTAGCCATTTCATAGGTATCTAACAGTCAACAAATTT
GTTGGAAATATTCTTTTTGCAGGATAGTGACAGATATTCCAGGCACAACAGATGCCACATTTGGTA
GGTTCATGTAAATGATTGGTATATAAGGGAACCTTCAACTTACTACTGATGATGAGTGAGACTGAC
AAATATGATCTATCTTGCTGTTGTAGGGAAGAGTTGGTGAGCTATGAGATCCCAAAGCCTAATAT
TGGGATCCATAGGTTTGTGTTTGTCTGTTCAGCAAAAGCGTAGGCAGTGTGTTACTCCACCTAC
TTCAAGGGATCACTTCAATACACGCAATTCGCCGCACAGAATGACCTTGGCCTCCCTGTGGCTGC
TGTCTACTTCAATGCACAGAGGGAACGGCTGCAAGAAGACGCTAGCGAGCATACTTGGTGTTTG
CTTCTGCAACCAAGGTAGTATTGAATAAAGCATTAGCGCAAACCTGCGTTGCAGGCGGT

[illegible]