

Genome-wide identification and characterization of *JAZ* gene family in upland cotton (*Gossypium hirsutum*)

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Supplementary Information

Supplementary Table 1. Gene-specific primers used in isolation of *GhJAZ* genes and vector construction.

Primer name	Primer sequence
<i>JAZ1-D P1</i>	5'-CTTCATATGATGTTTGGTTCACCGGAGAAAC-3'
<i>JAZ1-D P2</i>	5'-CTTGGATCCCTACTGCAGTGATTCAACAGCT-3'
<i>JAZ2-A P1</i>	5'-CTTCATATGATGAATATGTCGTGTTACCGGA-3'
<i>JAZ2-A P2</i>	5'-CTTGGATCCCTACGGAGATTGAGCAGCCAAACC-3'
<i>JAZ3-D P1</i>	5'-CTTCATATGATGGAGAGAGATTTTCTCGGTT-3'
<i>JAZ3-D P2</i>	5'-CTTGGATCCCTTAATTGATGGCTGTAAAAGGAC-3'
<i>JAZ5-A P1</i>	5'-CTTCATATGATGTCTAATTTAGGGCAAAAATC-3'
<i>JAZ5-A P2</i>	5'-CTTGGATCCCTATAAGTTGAGATCAATGTC-3'
<i>JAZ7-A P1</i>	5'-CTTCATATGATGAGACGAAACTGCAACTTGG-3'
<i>JAZ7-A P2</i>	5'-CTTGGATCCCTAATGGTAAGGAGAGGTAGC-3'
<i>JAZ10-A P1</i>	5'-CTTGAATTCATGTCGAGAGCTAGCGTCGAGCT-3'
<i>JAZ10-A P2</i>	5'-CTTGGATCCCTAGCAAGCATATGGAGATGCAC-3'
<i>JAZ11-D P1</i>	5'-CTTCATATGATGGAAGAAGAAGCTGAATCAC-3'
<i>JAZ11-D P2</i>	5'-CTTGGATCCCTTACGCAACATGAGCTGGAGCT-3'
<i>JAZ12-D P1</i>	5'-CTTCATATGATGGAAGGGGAAGCTGGTTCAT-3'
<i>JAZ12-D P2</i>	5'-CTTCTGCAGTTATGCAACATGAGCTGGAGCT-3'
<i>JAZ13-D P1</i>	5'-CTTCATATGATGTCGCTTGCTCGGAATCTAC-3'
<i>JAZ13-D P2</i>	5'-CTTGGATCCCTATGGTGATTGAGCAGCCAAAC-3'
<i>MYC2 P1</i>	5'-CTTCATATGATGACGGACTATCAGTTAGCACC-3'
<i>MYC2 P2</i>	5'-CTTCTCGAGCTATCTTGCATCTCCAAGTTTGG-3'
<i>MYC3 P1</i>	5'-CTTCATATGATGAATCTTTGGTTCGGACGATAAC-3'
<i>MYC3 P2</i>	5'-CTTGGATCCCTATCTTGGATCTCCAACCTTTGG-3'
<i>CO11 P1</i>	5'-GGGCATATGATGGAGGAAAATGATAGCCAAC-3'
<i>CO11 P2</i>	5'-CTTGAGCTCTTACAGCACCGGATCCAAAGG-3'
<i>MYB2 P1</i>	5'-CTTCATATGATGGCTCCAAAGAAGGCTGGAG-3'
<i>MYB2 P2</i>	5'-CTTCTCGAGTTATAACCATTGCTAATGGATCCT-3'
<i>MYB23 P1</i>	5'-CTTCATATGATGGCCATGGAGGCCAGT-3'
<i>MYB23 P2</i>	5'-CTTGTCGACTTAGGCAAAGCCATGCCAAAC-3'
<i>MYB25 P1</i>	5'-CTTCATATGATGGGGAGATCACCATGTTGTG-3'
<i>MYB25 P2</i>	5'-CTTGGATCCCTCATAAACCATTAAATCCAAAC-3'
<i>MYB25-like P1</i>	5'-CTTCATATGATGCAGCAGTCTCCATGTAGCG-3'
<i>MYB25-like P2</i>	5'-CTTGGATCCCTCAAAGACAGAAGAACCAGATG-3'
<i>DEL65 P1</i>	5'-CTTGGATCCACATGTCTACTGGAGTTCAACATC-3'
<i>DEL65 P2</i>	5'-CTTCTGCAGTCAACACTTGCTAGCAATTCTT-3'
<i>NINJA P1</i>	5'-GTTTCATATGCATACGACGTACCAGATTACG-3'
<i>NINJA P2</i>	5'-GTTGGATCCCTCAGGTCTGAGCAGAGCCGG-3'

Supplementary Table 2. Gene-specific primers used in RT-PCR analysis

Primer name	Primer sequence
<i>GhJAZ1-A P1</i>	5'-AATATCCGAACCAATTTAC-3'
<i>GhJAZ1-A P2</i>	5'-ATTTCCGGGTTTCGGCGGC-3'
<i>GhJAZ1-D P1</i>	5'-AATATCCGAACCAATGTAT-3'
<i>GhJAZ1-D P2</i>	5'-ATTTCCGGGTTTCGGAGGT-3'
<i>GhJAZ2-A P1</i>	5'-AGGATAGGATGACCACGAGG-3'
<i>GhJAZ2-A P2</i>	5'-GCCGATACCTAGAAACCAA-3'
<i>GhJAZ2-D P1</i>	5'-AGGATAGGATGACCACAAGT-3'
<i>GhJAZ2-D P2</i>	5'-GCCGATAACTAGAAACCAG-3'
<i>GhJAZ3-A P1</i>	5'-ATAGGAGCTTTAGCATCCG-3'
<i>GhJAZ3-D P1</i>	5'-ATAGGAGCTTTAGCATCTA-3'
<i>GhJAZ3 P2</i>	5'-GAGGCTCGATCCTTAATTGATG-3'
<i>GhJAZ4-A P1</i>	5'-TGCTTCTGTTTCAGCATGATGC-3'
<i>GhJAZ4-D P1</i>	5'-TCTTCTGTTTCAGCATGATGT-3'
<i>GhJAZ4 P2</i>	5'-AACATTCACGGTACCAGCA-3'
<i>GhJAZ5-A P1</i>	5'-ATCCTTCGGTTGAGCGACA-3'
<i>GhJAZ5-D P1</i>	5'-ATCCTTCGGTTCGAGCGATG-3'
<i>GhJAZ5 P2</i>	5'-GCCTGTATCACTAAAGGTATAC-3'
<i>GhJAZ6-A P1</i>	5'-GCTACTGCGACTGGGAAT-3'
<i>GhJAZ6-A P2</i>	5'-CATTGGGTTTLAGGTGGTG-3'
<i>GhJAZ6-D P1</i>	5'-TCTACCGCGACTGGGAAT-3'
<i>GhJAZ6-D P2</i>	5'-CATCGGGTTTLAGGTGGCA-3'
<i>GhJAZ7-A P1</i>	5'-CACCCAAAGTTTTTAATAA-3'
<i>GhJAZ7-A P2</i>	5'-CACCGGTTCCCATCCAGTT-3'
<i>GhJAZ7-D P1</i>	5'-CACCCAAAGCTTTTTAATCG-3'
<i>GhJAZ7-D P2</i>	5'-CACCGGTTACATCCCGTC-3'
<i>GhJAZ8-A P1</i>	5'-CGGATGAACGACTAAGGACTC-3'
<i>GhJAZ8-A P2</i>	5'-GTTACTAGTAGTCATTGCTAGC-3'
<i>GhJAZ8-D P1</i>	5'-TCGGGATCGGGACCGGCT-3'
<i>GhJAZ8-D P2</i>	5'-TTAATGGTAAGGAGAGGT-3'
<i>GhJAZ9-A P1</i>	5'-GGCGATCTCTGCAGCAACTA-3'
<i>GhJAZ9-A P2</i>	5'-CATCCAACATTAATATCAA-3'
<i>GhJAZ9-D P1</i>	5'-GGCGATCTCTGCTGCAACTG-3'
<i>GhJAZ9-D P2</i>	5'-AAACATCCAACATTAATATC-3'
<i>GhJAZ10 P1</i>	5'-AACTCGCGGTTGAAGTTGAAG-3'
<i>GhJAZ10-A P2</i>	5'-CCATCCACTTGGACGGCATC-3'
<i>GhJAZ10-D P2</i>	5'-ACAAAACAAAATACCTCTC-3'
<i>GhJAZ11-A P1</i>	5'-CAAAAATGGTTGATGGCGC-3'
<i>GhJAZ11-A P2</i>	5'-TATTCCTCTGCACTTTGTA-3'
<i>GhJAZ11-D P1</i>	5'-CAAAAATGGCTGATGACGT-3'
<i>GhJAZ11-D P2</i>	5'-TATTCCTCTGCACTTTGTC-3'
<i>GhJAZ12-A P1</i>	5'-CCATCCAAAAGCTCCAGCTCAT-3'

<i>GhJAZ12-A P2</i>	5'-AGCCCCCTAGAGGCAGTAGG-3'
<i>GhJAZ12-D P1</i>	5'-CCTCAGTGCTGCAACTTCATC-3'
<i>GhJAZ12-D P2</i>	5'-GACAACACTCTCATGGCAAAC-3'
<i>GhJAZ13-A P1</i>	5'-GAATCAAGCATTGGAGTTCCT-3'
<i>GhJAZ13-A P2</i>	5'-ACTTCGGCTCAGCAGATTACT-3'
<i>GhJAZ13-D P1</i>	5'-CAAATCAAGCATCGGAGTTCCT-3'
<i>GhJAZ13-D P2</i>	5'-TTTGGCTCAGCAGATTACTATG-3'
<i>GhJAZ14-A P1</i>	5'-ATGAGGGCAAATCAAGAAA-3'
<i>GhJAZ14-D P1</i>	5'-ATGAGGGCAAATCGAGAAG-3'
<i>GhJAZ14 P2</i>	5'-GTAGCTTGGATTCTGTTC-3'
<i>GhJAZ15 P1</i>	5'-CGGTTTCCGTAATCAATGTACC-3'
<i>GhJAZ15-A P2</i>	5'-ACCAAGCATAAGGGGGAGTCA-3'
<i>GhJAZ15-D P2</i>	5'-CTGGTTTAGGTGGTGTATAGC-3'
<i>GhUBI1 P1</i>	5'-GGGATGCAAATCTTCGTGAAAAC-3'
<i>GhUBI1 P2</i>	5'-CTGAATCTTCGCTTTCACGTTATC-3'
