

Table 2. Novel genes whose transcripts accumulated to at least two-fold higher levels in vascular tissues than in epidermal cells or total coleoptiles¹

| EST clone no. (contig no.) ² | Accession no. | Relative expression levels (ratio of signal intensities ³) |
|--|---------------|---|
| 486028D06 | AI621917 | V>C ⁴ (10.01) V>E (9.97) |
| 486028G05 | AI621931 | V>E (3.53) V>C (3.76) |
| 486030C02 | AI621979 | V>C (3.20) |
| 486030D03 | AI621986 | V>C (2.99) |
| 486040B05 | AI622315 | V>C (3.01) |
| 486040D03 | AI622336 | V>C (2.94) |
| 486053D01 | AI586648 | V>E (2.23) |
| 486064A11 | AI600278 | V>E (2.42) |
| 486068D12 | AI600774 | V>E (5.68) |
| 486082G03 | AI603725 | V>E (5.30) |
| 486088C03 | AI619227 | V>C (2.40) V>E (5.83) |
| 486089G02 | AI615160 | V>C (2.67) |
| 486093F03 | AI619386 | V>C (2.81) |
| 496004D01 | AI637071 | V>C (2.44) |
| 496016G12 | AI966823 | V>E (3.93) |
| 496018A03 | AI966881 | V>C (2.84) |
| 496030F06 | AI974922 | V>E (2.10) |
| 496030F12 | AI974927 | V>C (2.31) |
| 603014H04 | AI855352 | V>E (2.91) |
| 603026E11 | AI947680 | V>C (2.60) |
| 603027H11 | AI947757 | V>E (3.25) V>C (5.08) |
| 603034E08 | AI948095 | V>E (2.23) V>C (2.97) |
| 603034E12 | AI948098 | V>E (3.30) |
| 603034H05 | AI948113 | V>E (3.43) |
| 603038F04 | AI948228 | V>C (2.72) |
| 603040A07 | AI964614 | V>C (2.42) V>E (2.87) |
| 603043E01 | AI948353 | V>C (6.32) |
| 603043G04 | AI948365 | V>E (3.56) V>C (5.32) |
| 606018B06 | AI691450 | V>C (2.21) |
| 606026C01 | AI714968 | V>E (3.12) |

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|-----------|----------|---------------------------|
| 606026D01 | AI714975 | V>C (2.37) |
| 606026E02 | AI714985 | V>C (5.00) |
| 606029C04 | AI734298 | V>C (4.63) |
| 606029F04 | AI734323 | V>C (6.58) |
| 606035E08 | AI734724 | V>C (2.94) |
| 606037E10 | AI737222 | V>E (2.15) |
| 606052E10 | AI770436 | V>E (2.96) |
| 606053A04 | AI770463 | V>E (3.74) |
| 606054G10 | AI770596 | V>E (2.71) |
| 606059C06 | AI770849 | V>E (2.45) V>C (3.43) |
| 614002G12 | AI795752 | V>E (4.44) V>C (5.76) |
| 614006G06 | AI782944 | V>E (2.30) |
| 614010A06 | AI783286 | V>E (2.61) V>C (3.04) |
| 614010D06 | AI783319 | V>E (2.29) |
| 614038B07 | AI979612 | V>C (2.25) |
| 614051D04 | AW065404 | V>E (2.62) |
| 614066B02 | AW076355 | V>C (3.79) |
| 614101C10 | AW155834 | V>E (2.74) V>C (9.11) |
| 618001A08 | AI901309 | V>C (3.62) |
| 618009D12 | AI901709 | V>C (3.20) |
| 618033D11 | AI941684 | V>C (5.64) |
| 618036H08 | AI941949 | V>E (2.59) V>C (5.65) |
| 683014C06 | AW067034 | V>C (2.76) |
| 687067A08 | AW231557 | V>C (2.69) |
| 707034C08 | AW331055 | V>C (2.46) |
| 707036G05 | AW324652 | V>C (26.54) |
| 707037B03 | AW330590 | V>E (5.54) V>C (7.58) |
| 707041F03 | AW331515 | V>C (3.71) V>E (4.06) |
| 486028D06 | AI621917 | V>C (10.01) V>E (9.97) |
| 707048A04 | AW331156 | V>C (2.27) |
| 707050F08 | AW352513 | V>E (2.67) |
| 707074G03 | AW438152 | V>C (4.03) V>E (6.84) |
| 707077C01 | AW438373 | V>C (2.92) |

945033D04 BE056839 V>C (2.79)

MEST15-H12 BG841129 V>C (2.22)

MEST29-A03 BG842276 V>C (2.99)

¹ Significant difference ($p < 0.05$) determined by one-tailed Student's t test

² ESTs with the same contig number cluster with CAP3 (Huang and Madan, 1999)

³ N, blastn; X, blastx

⁴ V, vascular tissues; C, coleoptiles; E, epidermal cells