

Table S4. List of markers

| Name | Position ^a | Type ^b | RE ^c | Forward (5'-3') | Reverse (5'-3') |
|------------------------------|-----------------------|-------------------|-----------------|--------------------------|---------------------------|
| NGA172 | 786 400 | MSAT | | AGCTGCTTCCTTATAGCGTCC | CATCCGAATGCCATTGTTC |
| MSAT302422 | 2 422 445 | MSAT | | CGGAATTAAGAACCGAATTGA | ACAGGAAGGCTTCTGGGAAT |
| MSAT302503 | 2 503 754 | MSAT | | TTGTTGATTGCCCAATTTT | AAGGAATGAAATGATACATTTGGAA |
| CAPS2524188 | 2 524 188 | CAPS | TaqI | CAACTCCGGCAGTGATTTTG | AACCAATGACGCTTTTCCAGA |
| CAPS2533212 | 2 533 212 | CAPS | StuI | TGCTCCCTGCTCGTTAAGT | TGGGAAGATATGCTGCTGAA |
| CAPS2557387 | 2 557 387 | CAPS | Hpy188I | TGAAGCTGAAGCTTGGGAAT | TACCGCAAAAAGCAAAAAGAGG |
| CAPS2560983 | 2 560 983 | CAPS | MnlI | CAACTCCATGAACTCCAATGAA | GATGAATTGCGGAGGAAG |
| CAPS2564930 | 2 564 930 | CAPS | Hinfl | ACGCTGTCGCCATTAAGAG | GAACCAAAGTGAACCAAAAAACA |
| IND302567 in12 ^d | 2 566 751 | INDEL | | ATATGGCTCTCCGGGCTATT | ATGATCGTCCACGCAAGAAC |
| CAPS302569 ^d | 2 568 974 | CAPS | BsrI | AGCTTTGGCTTTAGCTGCTG | CGGAATTTACCTGGAGGTTG |
| IND302570 del27 ^d | 2 569 837 | INDEL | | CGAGTAAAAGTTCACGAAAACCA | CCGTCCAAACTTAAGACACCA |
| IND302570 del28 ^d | 2 570 150 | INDEL | | TTCTATACCAAATTAACCCGAAAA | TTCTATTTTTCTTTGATATTTTCCA |
| SNP2579477 | 2 579 477 | SNP | | TGTTTCGACAAGTCTACCATGAAA | TTCTGTTTGTGGTCAACGATT |
| CAPS2587730 | 2 587 730 | CAPS | RsaI | GGCAACATTTGGGCATACAT | GGCTCTAGAACTTGCCTGGA |
| CAPS2619300 | 2 619 300 | CAPS | AluI | ATGTGGTGCCATCTGTAGCC | ACCCGTAGTTGCTTCCACAC |
| CER464947 | 3 109 833 | MSAT | | CTCACCTTGCTGGAGTCCG | GTAAAGGTTTAGGCAGAGTGTG |
| ATHCHIB2 | 3 963 350 | MSAT | | GGATCCAAGTGCTCATATATAC | CTTTCGTTTCTAAAATATGAGAAGC |
| CAPS4942156 | 4 942 156 | CAPS | Hinfl | TGGAAGCTCTAGAAACGATCG | ACCACCTAAACCGAGAATTGG |
| CAPS7012599 | 7 125 259 | CAPS | ClaI | CACCTAACAGTTCACACCAA | CCTTGATTTCCCTACAACAG |
| MSAT3.19 | 8 808 167 | MSAT | | TAATTCGATCCAATTGACAT | TGGCTTGGCACAAAAC |

- Position on chromosome 3 in bp.
- CAPS for Cleaved Amplified Polymorphic Sequence; INDEL for insertion or deletion; MSAT for microsatellite; SNP for Single Nucleotide Polymorphism
- RE for Restriction Enzyme used for CAPS markers
- Markers used for the haplotyping of *AtFRD3* in accessions of *A. thaliana*