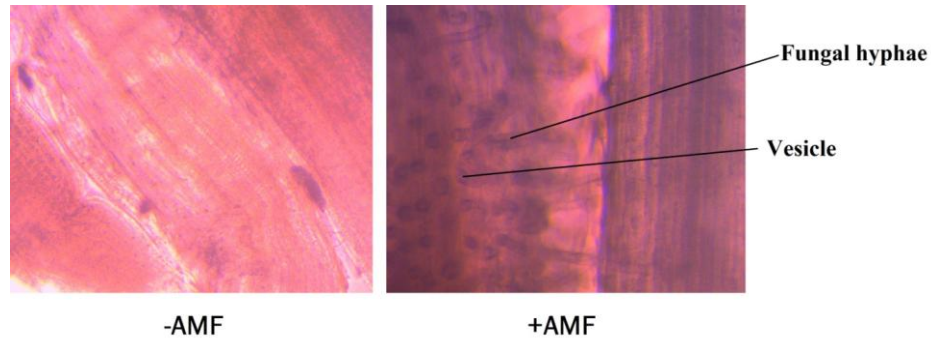


**Supplementary Figure S1.** Screening of colonization with fungal hyphae and vesicle following with or without Arbuscular mycorrhizal fungi (AMF) supplementation.



**Supplementary Table S1.** List of primers used for qRT-PCR

| Gene              | Primer  | Sequence               |
|-------------------|---------|------------------------|
| <i>MsActin</i>    | Forward | ACCGGTGTGATGGTTGGTAT   |
|                   | Reverse | GCCACACGAAGCTCATTGTA   |
| <i>MsSULTR1.1</i> | Forward | TTCGGATGCGTAATAGGT     |
|                   | Reverse | TTGCAATCCACAGGAACAAA   |
| <i>MsSULTR1;2</i> | Forward | CAGATAAGCAAGGAGTAGAA   |
|                   | Reverse | TCATAGAACCAACGACAT     |
| <i>MsSULTR1;3</i> | Forward | ATTTATGCCGTCATGGGTAG   |
|                   | Reverse | TTGGGATCAATCTCATTCTGTA |
| <i>MsSULTR2;1</i> | Forward | AAATGTTGTCAATGGGAATC   |
|                   | Reverse | CCAGGAAGTGCGGAGA       |
| <i>MsSULTR3;1</i> | Forward | CCACCATCACTCACAGA      |
|                   | Reverse | ATAATGCCAACAATAAGG     |
| <i>MsIRT1</i>     | Forward | TTTACCCTTGGCGACACGTT   |
|                   | Reverse | CATGAACCCGGTCCCAAGAA   |
| <i>MsNramp1</i>   | Forward | GCATTGCTAGCCTCAGGACA   |
|                   | Reverse | TCCATGCGTATGCAGGTGAT   |
| <i>MsFRO1</i>     | Forward | GGTGACACGTGGATCATCTG   |
|                   | Reverse | TTGCAATCCACAGGAACAAA   |
| <i>MsHAI1</i>     | Forward | GGCAGGAGTCATTGTTTGT    |
|                   | Reverse | TGCTTCTCTGCAAACCCTTT   |
| <i>MsZIP</i>      | Forward | ATGGGAATCGCATTGCTAAG   |
|                   | Reverse | CTGCGGTTTGAAGCCTTTAG   |