**Copper toxicity and intercropping trigger different responses and molecular regulation of cation transporters in grapevine rootstocks**

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**Table S1.** Sequence of primers used for the qRT-PCR.

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| --- | --- | --- |
| Gene | Primer | Ref |
| *VvCtr1* | Fw:5’-CGGTTGGGTACTACTTGTTC-3’ | This work |
| Re: 5’-GAATCCAAACGGAGATCAAG-3’ |
| *VvCTr2* | Fw: 5’-TACATGCTCATGCTCGCCG-3’ |
| Re: 5’-GACCCGACTCCCGAAAATC-3’ |
| *VvCTr3e* | Fw: 5’-GGATTGGTCTGGCGTATATG-3’ |
| Re: 5’-AAACCCTACTCCCGAAAACC-3’ |
| *VvCTr4* | Fw: 5’-TGGAGTGGCTTTCCCATTTC-3’ |
| Re: 5’-CAGACCCATCCGAATAGCG-3’ |
| *VvCTr6* | Fw: 5’-cgtcttcgtcgtctctgtg-3’ |
| Re: 5’-TGAATAATGGTCTCGGCAGC-3’ |
| *VvCTr8* | Fw: 5’-AAGCGAAGGCGGTGTCTGG-3’ |
| Re: 5’-GCACTCCTCAGTCAATCCAC-3’ |
| *VvIRT1* | Fw: 5’-CGGAAATCGAAGTTGCAGAT-3’ | Vannozzi et al, 2017 |
| Re: 5’-GCTGCCACAAGAGGCTTTAT-3’ |
| *VvNRAMP1* | Fw: 5’-GAAGTCTTGCGTGGACTCTT-3’ | This work |
| Re: 5’-AGAGATTGTGCGGCATAACC-3’ |
| *VvNRAMP2* | Fw: 5’-CTGGGGTATTGGACTATTGG-3’ |
| Re: 5’-TTCTTCAGACGGAGATTGAG-3’ |
| *VvNRAMP3* | Fw: 5’-CATTGTGCCCACTATGATAG-3’ |
| Re: 5’-GGATCTGAATAGACTGAAGC-3’ |
| *EF1α* | Fw 5’-GTGCGTCATAGTTTTCTGCC-3’ | Pii et al., 2014 |
| Re 5’-AAAGAGGACACGACACAACAT-3’ |
| *Tubulin* | Fw 5’-CCCCTCTTCCTTTACTATGA-3’ |
| Re 3’ –TCTGGCACTATTACAACTGG-3’ |