Additional File 7. MapMan BINs enriched in the 24 genes down-regulated in the roots between the scion/rootstock combinations 1103P/PN and PN/PN grown under both high and low phosphate supply. PN: *Vitis vinifera* cv. Pinot noir; 1103P: *V. rupestris* x *V. berlandieri* cv. 1103 Paulsen.

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| **BIN** | **Name** | **Enrichment** | **Adjusted p-value** |
| 13.3.6.6.1 | Cell cycle.mitosis and meiosis.meiotic recombination.meiotic exit.MS5/TDM1 meiotic exit regulator | 268.6 | 0.05 |
| 18.1.5.4 | Protein modification.N-linked glycosylation.oligosaccharyl transferase (OST) complex.OST4 component | 940.3 | 0.01 |
| 18.12.1.4 | Protein modification.S-glutathionylation and deglutathionylation.glutathione S-transferase activities.class tau | 51.1 | 0.01 |
| 25.4.2.1 | Nutrient uptake.iron uptake.reduction-based strategy uptake.Fe(III)-chelate reductase | 470.1 | 0.03 |
| 25.5.2.1 | Nutrient uptake.copper uptake.reduction-based uptake.FRO metal ion-chelate reductase | 470.1 | 0.03 |
| 50.1.13 | Enzyme classification.EC\_1 oxidoreductases.EC\_1.14 oxidoreductase acting on paired donor with incorporation or reduction of molecular oxygen | 25.2 | 0.00 |

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