**Supplementary Table 2.** Recall of known interactions between transcription factors and cell wall biosynthesis genes in the RCR network.

|  |  |  |  |
| --- | --- | --- | --- |
| **Source** | **At TF-CW gene promoter interactions** a | **Orthologous pairs in rice** b | **Present in RCRN**c |
| Literature d | 134 | 105 | 97 |
| At root xylem Y1H e | 623 | 355 | 22 |
| Total | 757 | 460 | 119 |

a *Arabidopsis thaliana* (At) transcription factor-cell wall gene promoter interactions reported in the literature.

b Orthologous pairs indicates that both Arabidopsis gene products (transcription factor and cell wall target) are encoded in the rice genome based on Inparanoid analysis.

c Present in RCRN indicates that the Rice Combined inverse Ranked Network possesses an edge for the pair without an edge value cut-off.

d Based on a comprehensive analysis of the Arabidopsis cell wall regulation literature.

e Yeast-one hybrid (Y1H) screen of Arabidopsis xylem secondary cell wall biosynthesis genes (Taylor-Teeples et al. 2015).