**Supplemental Table S6.** The correlation analyses between *MeMYB108* and reactive oxygen scavengers under the leaf abscission exposure to drought in cassava

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Traits** | **Locus** | **p\_Marker** | **Rsq\_marker** | **Annotation** |
| CAT-L-2014 | SNP1\_31465078 | 0.0192 | 0.0854 | Intron\_Variant |
| CAT-L-2014 | SSR249 | 0.0192 | 0.0854 | Intron\_Variant |
| CAT-L-2014 | SNP1\_31465080 | 0.0167 | 0.0884 | Intron\_Variant |
| CAT-L-2014 | SNP1\_31465123 | 0.0192 | 0.0854 | Intron\_Variant |
| CAT-L-2014 | SNP1\_31465148 | 0.0205 | 0.084 | Intron\_Variant |
| CAT-L-2014 | SNP1\_31465183 | 0.0499 | 0.0657 | Synonmous\_Variant |
| CAT-L-2014 | SNP1\_31465184 | 0.0205 | 0.084 | Synonmous\_Variant |
| CAT-L-2014 | SNP1\_31465789 | 2.26E-05 | 0.232 | Misense\_Variant |
| CAT-R-2014 | SNP1\_31465813 | 0.0331 | 0.0672 | Misense\_Variant |
| SOD-L-2014 | SNP1\_31465012 | 0.0267 | 0.049 | Synonmous\_Variant |
| SOD-L-2014 | SNP1\_31465207 | 0.0468 | 0.0423 | Synonmous\_Variant |
| SOD-L-2014 | SNP1\_31465222 | 0.0468 | 0.0423 | Synonmous\_Variant |
| SOD-L-2014 | SNP1\_31465325 | 0.0488 | 0.0399 | Intron\_Variant |
| AGFW-2014 | SNP1\_31465789 | 0.0339 | 0.0922 | Misense\_Variant |
| SRDMP-2014 | SNP1\_31465842 | 4.70E-20 | 0.3914 | Synonmous\_Variant |
| SRDMP-2014 | SNP1\_31465847 | 4.70E-20 | 0.3914 | Misense\_Variant |
| SRDW-2014 | SNP1\_31465012 | 0.0026 | 0.1467 | Synonmous\_Variant |
| SRDW-2014 | SNP1\_31465078 | 0.037 | 0.0841 | Intron\_Variant |
| SRDW-2014 | SSR249 | 0.037 | 0.0841 | Intron\_Variant |
| SRDW-2014 | SNP1\_31465080 | 0.037 | 0.0842 | Intron\_Variant |
| SRDW-2014 | SNP1\_31465123 | 0.037 | 0.0841 | Intron\_Variant |
| SRDW-2014 | SNP1\_31465148 | 0.037 | 0.0841 | Intron\_Variant |
| SRDW-2014 | SNP1\_31465184 | 0.037 | 0.0841 | Synonmous\_Variant |
| SRN-2014 | SNP1\_31465018 | 0.0145 | 0.0707 | Synonmous\_Variant |
| SRN-2014 | SNP1\_31465046 | 0.0145 | 0.0707 | Intron\_Variant |
| SRN-2014 | SNP1\_31465789 | 2.87E-04 | 0.2077 | Misense\_Variant |
| SRFW-2014 | SNP1\_31465012 | 0.0058 | 0.1286 | Synonmous\_Variant |
| SRFW-2014 | SNP1\_31465078 | 0.0411 | 0.0818 | Intron\_Variant |
| SRFW-2014 | SSR249 | 0.0411 | 0.0818 | Intron\_Variant |
| SRFW-2014 | SNP1\_31465080 | 0.041 | 0.0819 | Intron\_Variant |
| SRFW-2014 | SNP1\_31465123 | 0.0411 | 0.0818 | Intron\_Variant |
| SRFW-2014 | SNP1\_31465148 | 0.0411 | 0.0818 | Intron\_Variant |
| SRFW-2014 | SNP1\_31465184 | 0.0411 | 0.0818 | Synonmous\_Variant |
| SRS-R-2014 | SNP1\_31465762 | 0.0159 | 0.0899 | Misense\_Variant |
| SRS-R-2014 | SNP1\_31465765 | 0.0159 | 0.0899 | Misense\_Variant |
| SRS-R-2014 | SNP1\_31465804 | 0.0159 | 0.0899 | Misense\_Variant |
| SRS-R-2014 | SNP1\_31465842 | 0.0145 | 0.0919 | Synonmous\_Variant |
| SRS-R-2014 | SNP1\_31465847 | 0.0145 | 0.0919 | Misense\_Variant |
| Pro-L-2014 | SNP1\_31465447 | 8.96E-04 | 0.0706 | Misense\_Variant |
| CAT-L-2015 | SNP1\_31465012 | 0.0468 | 0.0676 | Synonmous\_Variant |
| CAT-L-2015 | SNP1\_31465207 | 0.0468 | 0.0676 | Synonmous\_Variant |
| CAT-L-2015 | SNP1\_31465222 | 0.0468 | 0.0676 | Synonmous\_Variant |
| CAT-R-2015 | SNP1\_31465018 | 0.0229 | 0.0717 | Synonmous\_Variant |
| CAT-R-2015 | SNP1\_31465028 | 0.0303 | 0.0667 | Misense\_Variant |
| CAT-R-2015 | SNP1\_31465044 | 0.0303 | 0.0667 | Intron\_Variant |
| CAT-R-2015 | SNP1\_31465046 | 0.0229 | 0.0717 | Intron\_Variant |
| CAT-R-2015 | SNP1\_31465124 | 0.0303 | 0.0667 | Intron\_Variant |
| CAT-R-2015 | SNP1\_31465279 | 0.0303 | 0.0667 | Synonmous\_Variant |
| CAT-R-2015 | SNP1\_31465607 | 1.96E-04 | 0.2005 | Synonmous\_Variant |
| CAT-R-2015 | SNP1\_31465734 | 1.96E-04 | 0.2005 | Misense\_Variant |
| CAT-R-2015 | SNP1\_31465762 | 0.0024 | 0.1373 | Misense\_Variant |
| CAT-R-2015 | SNP1\_31465765 | 0.0024 | 0.1373 | Misense\_Variant |
| CAT-R-2015 | SNP1\_31465773 | 1.96E-04 | 0.2005 | Misense\_Variant |
| CAT-R-2015 | SNP1\_31465774 | 1.96E-04 | 0.2005 | Misense\_Variant |
| CAT-R-2015 | SNP1\_31465804 | 0.0024 | 0.1373 | Misense\_Variant |
| CAT-R-2015 | SNP1\_31465842 | 0.0067 | 0.1503 | Synonmous\_Variant |
| CAT-R-2015 | SNP1\_31465847 | 0.0067 | 0.1503 | Misense\_Variant |
| MDA-R-2015 | SNP1\_31465048 | 0.0355 | 0.0811 | Intron\_Variant |
| POD-R-2015 | SNP1\_31465012 | 0.042 | 0.0663 | Synonmous\_Variant |
| POD-R-2015 | SNP1\_31465207 | 0.042 | 0.0663 | Synonmous\_Variant |
| POD-R-2015 | SNP1\_31465222 | 0.042 | 0.0663 | Synonmous\_Variant |
| Pro-L-2015 | SNP1\_31465078 | 0.0341 | 0.0954 | Intron\_Variant |
| Pro-L-2015 | SSR249 | 0.0341 | 0.0954 | Intron\_Variant |
| Pro-L-2015 | SNP1\_31465123 | 0.0341 | 0.0954 | Intron\_Variant |
| Pro-L-2015 | SNP1\_31465509 | 0.0424 | 0.0899 | Misense\_Variant |
| SOD-L-2015 | SNP1\_31465607 | 0.0446 | 0.0523 | Synonmous\_Variant |
| SOD-L-2015 | SNP1\_31465734 | 0.0446 | 0.0523 | Misense\_Variant |
| SOD-L-2015 | SNP1\_31465762 | 0.0394 | 0.0547 | Misense\_Variant |
| SOD-L-2015 | SNP1\_31465765 | 0.0394 | 0.0547 | Misense\_Variant |
| SOD-L-2015 | SNP1\_31465773 | 0.0446 | 0.0523 | Misense\_Variant |
| SOD-L-2015 | SNP1\_31465774 | 0.0446 | 0.0523 | Misense\_Variant |
| SOD-L-2015 | SNP1\_31465804 | 0.0394 | 0.0547 | Misense\_Variant |
| SOD-R-2015 | SNP1\_31465447 | 0.0227 | 0.1 | Misense\_Variant |
| SRS-R-2015 | SNP1\_31465789 | 1.50E-04 | 0.17 | Misense\_Variant |