**S2 Table. The segregation ratios of three *Atscc2* compound heterozygous plants with their corresponding *Atscc2-5* heterozygous F1 plants**

|  |  |  |
| --- | --- | --- |
| **Genotype** | **Compound heterozygous F1 plants** | ***Atscc2-5* heterozygous F1 plants** |
| *Atscc2-5-/Atscc2-1-* | 15 | 29 |
| *Atscc2-5-/Atscc2-3-* | 20 | 32 |
| *Atscc2-5-/Atscc2-4-* | 20 | 36 |

The ratio of compound heterozygous F1 plants of two independent alleles (*Atscc2-5-*/*Atscc2-1-* and *Atscc2-5-*/*Atscc2-3-*) with their corresponding *Atscc2-5* heterozygous F1 plants is 1:1 (χ2 ≤ χ0.052 =3.84, chi-square test). The ratio of F1 compound heterozygous of *Atscc2-5-*/*Atscc2-4-* with *Atscc2-5* heterozygous F1 plants is not consistent with 1:1 (χ2 = 4.02 > χ0.052 =3.84), probably due to the low population number or an incompletely penetrant embryonic lethal phenotype.