

**Supplementary Table S2.** GUS activities in the *atmyb80* mutant lines possessing the *AtMYB80* promoter-*GUS* construct. Heter, heterozygous *atmyb80* mutant; Homo, homozygous *atmyb80* mutant.

<b>Line number</b>	<b><i>atmyb80</i> mutant</b>	<b>GUS activities in anther by developmental stages</b>
2	Heter	5 - 9
4	Heter	5 - 9
5	Heter	5 - 9
6	Heter	5 - 9
7	Heter	5 - 9
8	Heter	5 - 9
9	Heter	5 - 9
13	Heter	5 - 9
10	Homo	5 – 13
14	Homo	5 – 13