

Figure S2. Phenotypes of anthers and pollen grains of *ms33-6038* and the other five maize GMS lines (*ms30-6028*, *p5126-ZmMs7*, *ocl4*, *ms23*, and *mac1*).

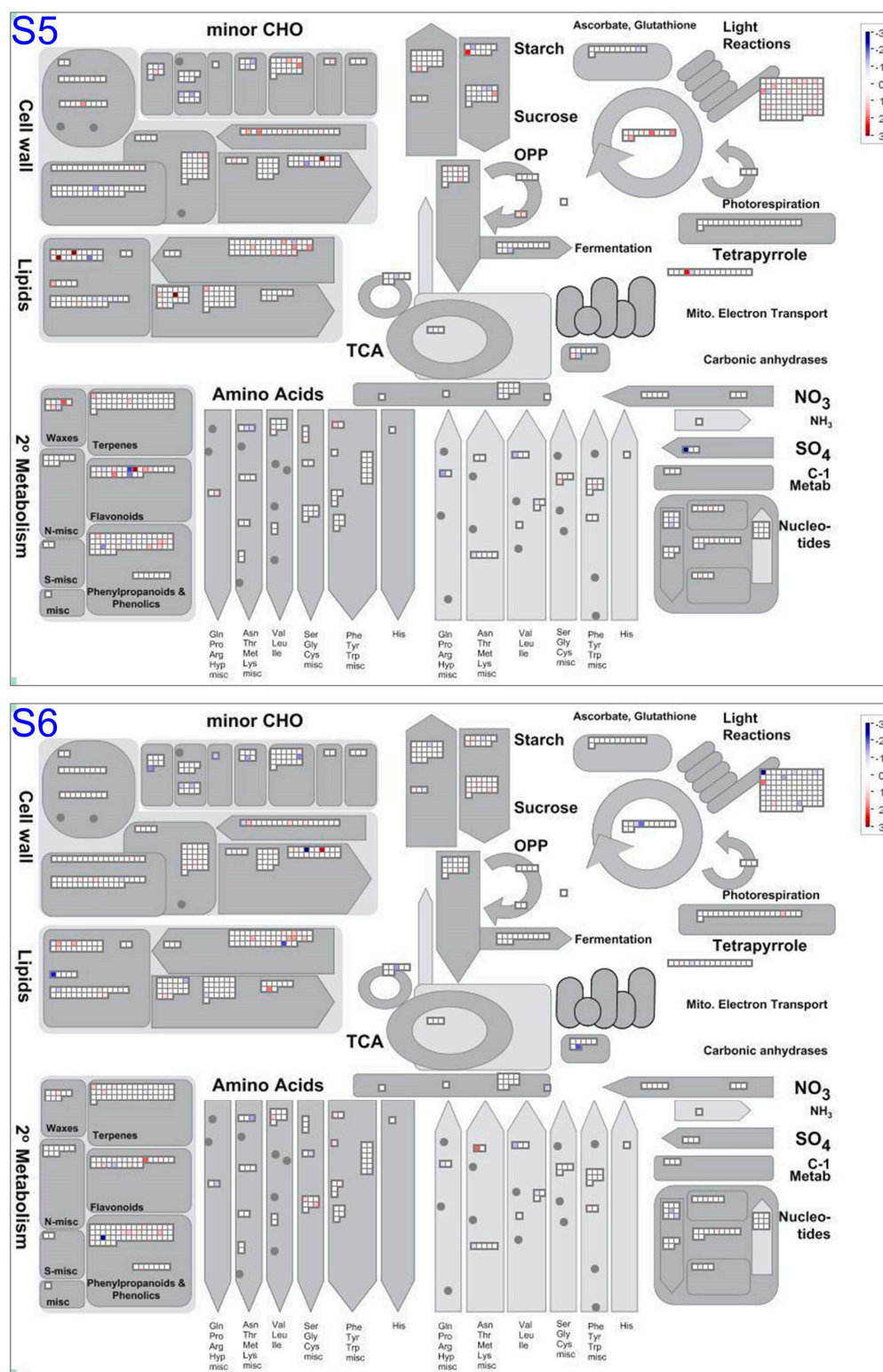


Figure S3. Expression changes of genes involved in primary metabolism pathways in the *ms33-6038* anther transcriptomes at stages S5 and S6.

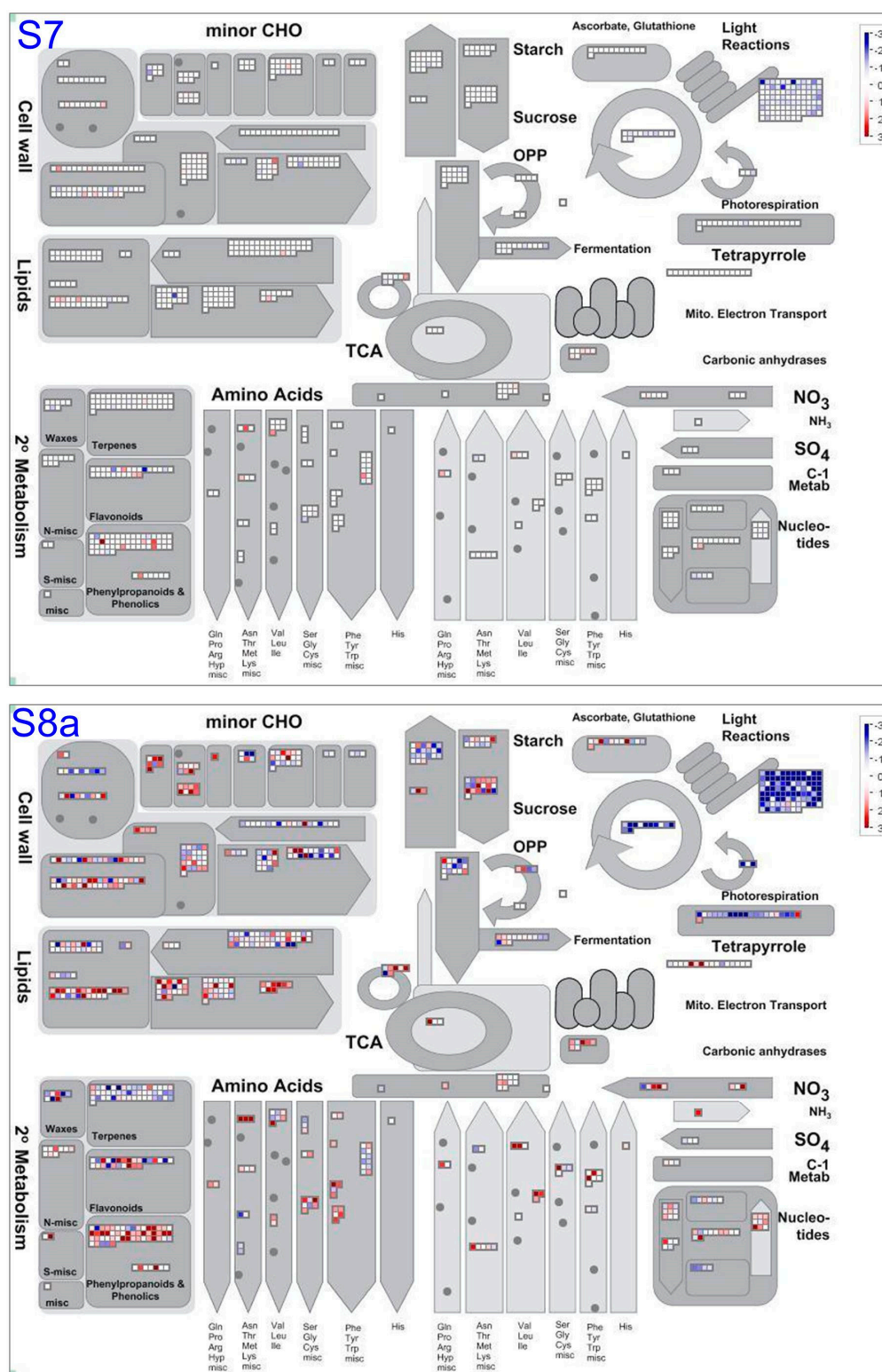


Figure S4. Expression changes of genes involved in primary metabolism pathways in the *ms33-6038* anther transcriptomes at stages S7 and S8a.

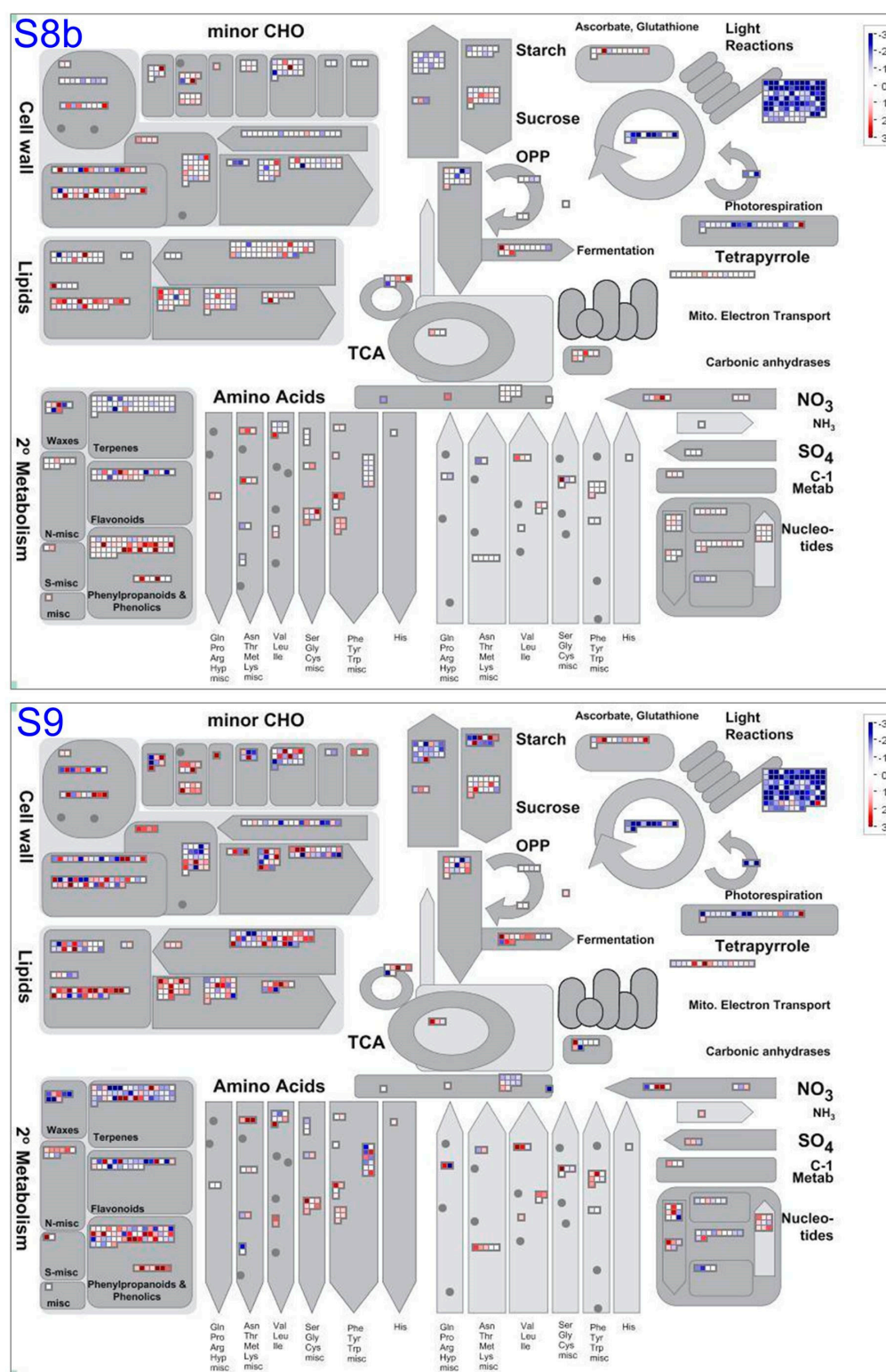


Figure S5. Expression changes of genes involved in primary metabolism pathways in the *ms33-6038* anther transcriptomes at stages S8b and S9.