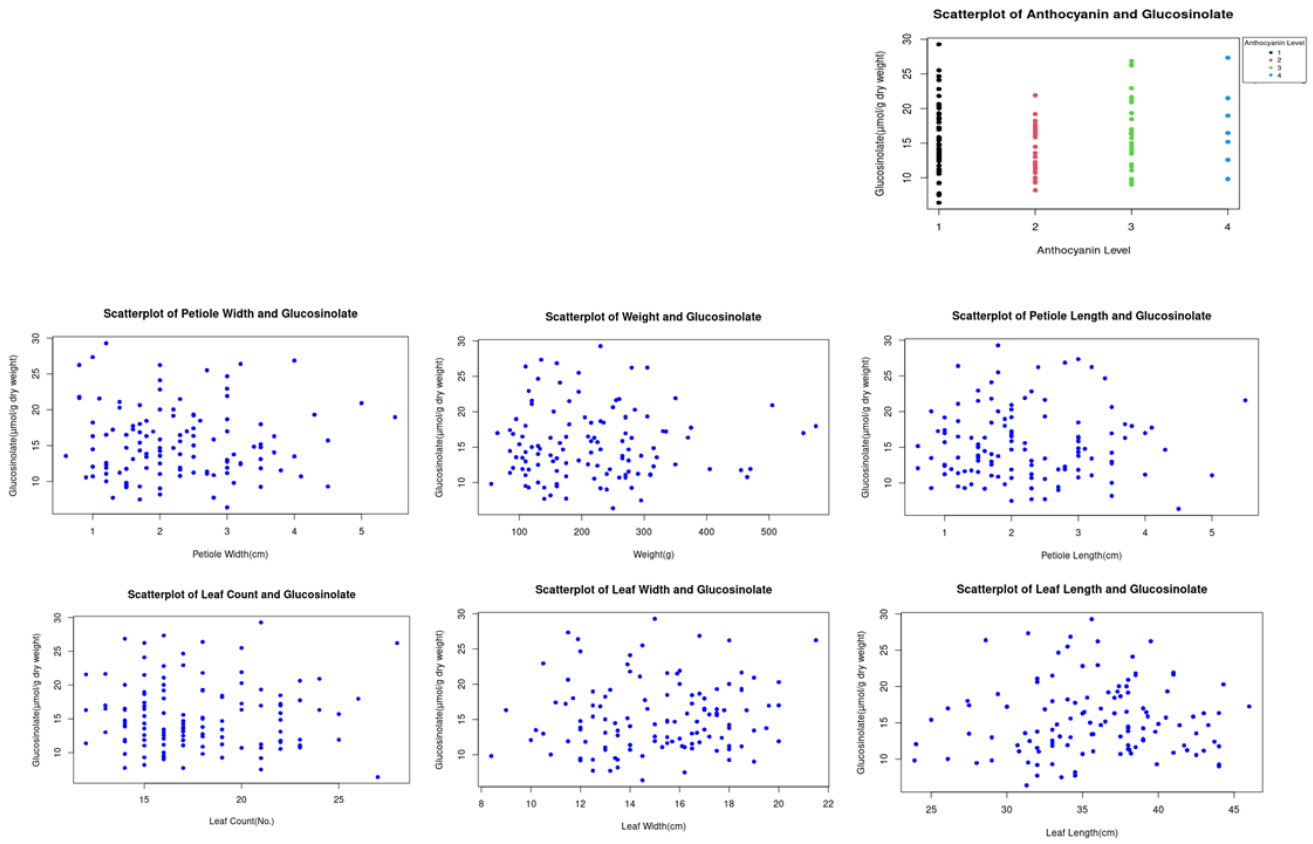




Supplementary Fig. 1. 117 DH lines in the field for ten weeks after germination.



Supplementary Fig. 2. The purple phenotype variation of DH lines was classified based on the following differences: those with entirely green leaves without any purple were labeled as '1', those showing slight purple along the leaf veins as '2', those exhibiting purple not only along the veins but also at the leaf margins were classified as '3', and petiole showing green but appearing dark purple overall were categorized as '4'.



Supplementary Fig. 3. Scatter plot analysis for comparing phenotypic traits against glucosinolate contents.