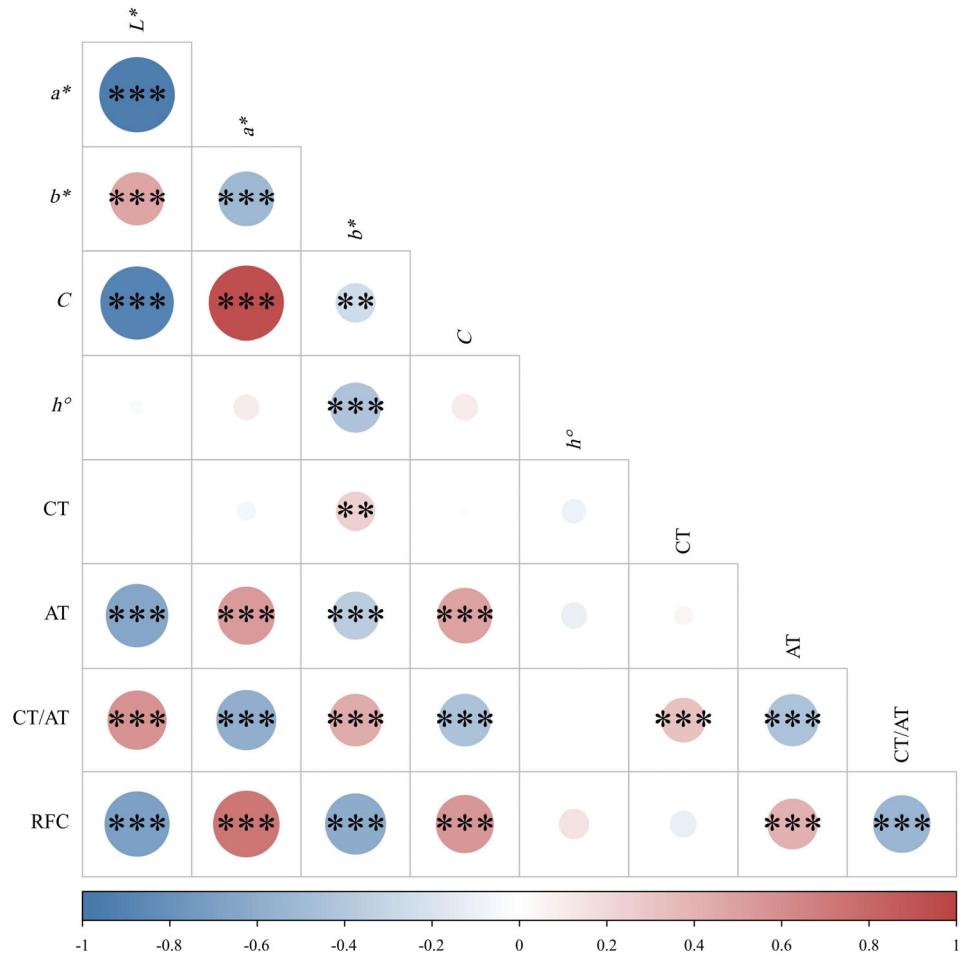
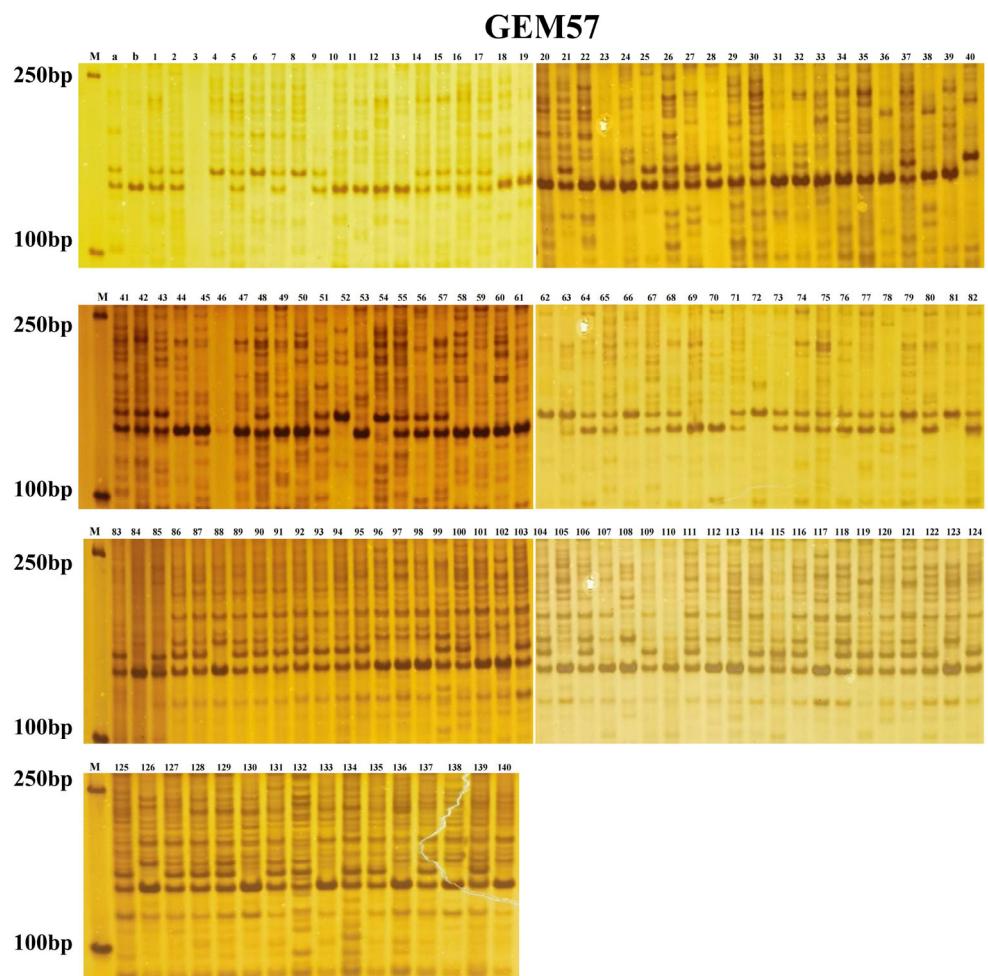


**Figure S1.** Pearson correlation analysis among 12 traits.

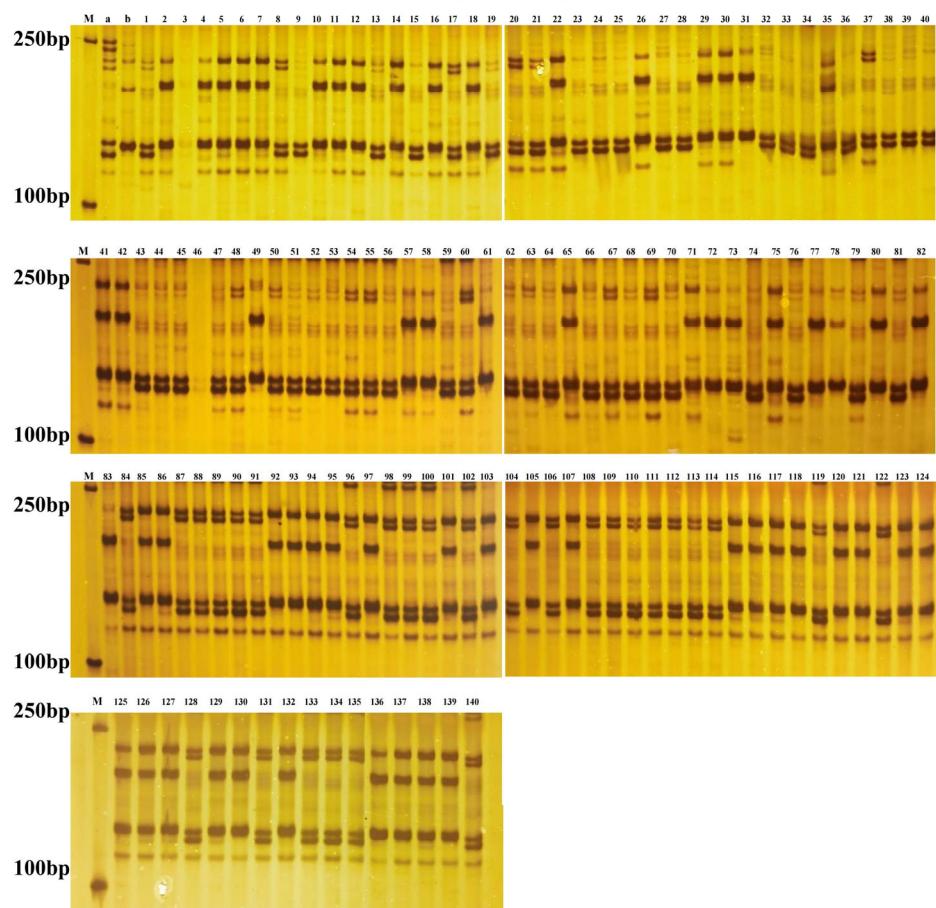


**Figure S2.** Pearson correlation analysis among  $L^*$ ,  $a^*$ ,  $b^*$ ,  $C$ ,  $h^\circ$ ,  $CT$ ,  $AT$ ,  $CT/AT$  and  $RFC$ .

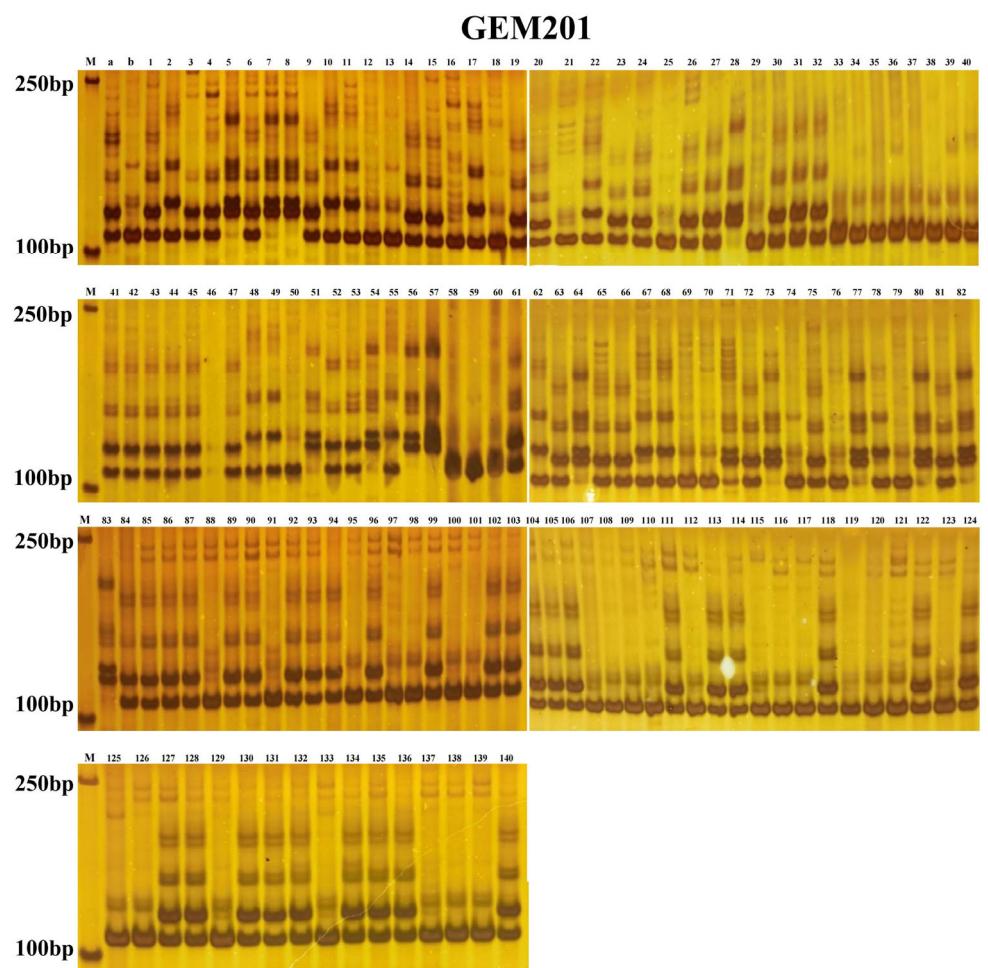


**Figure S3.** PAGE result of GEM57 primer.

### GEM148

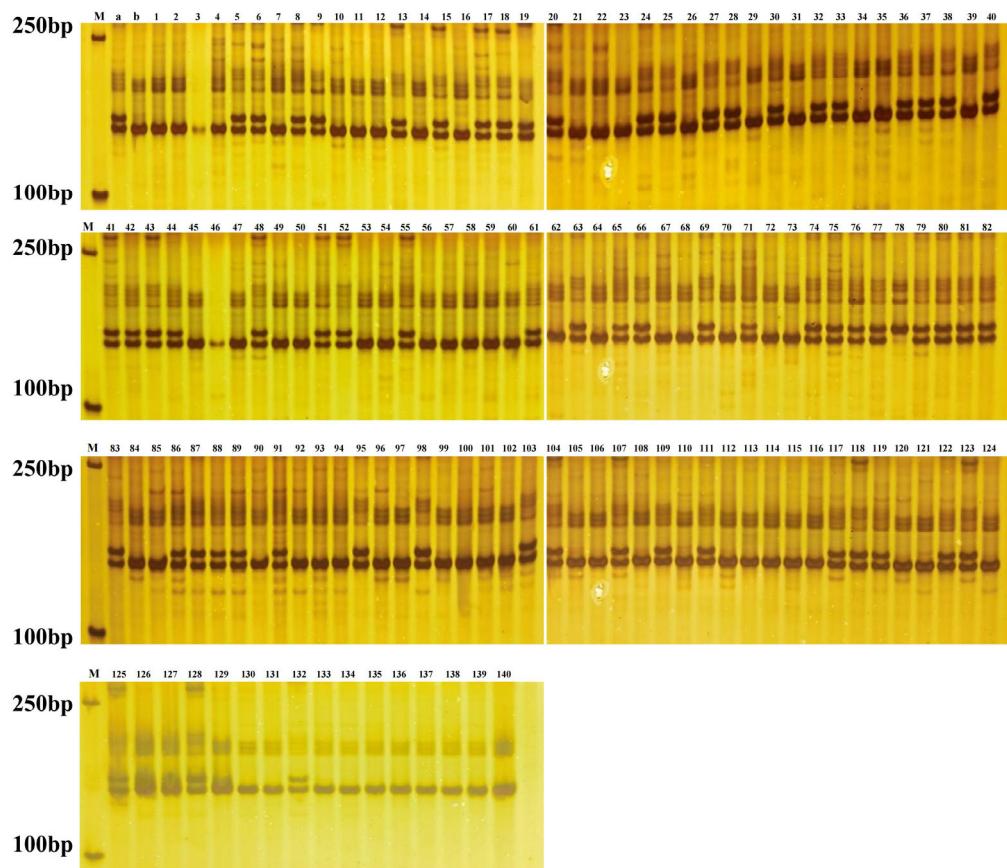


**Figure S4.** PAGE result of GEM148 primer.



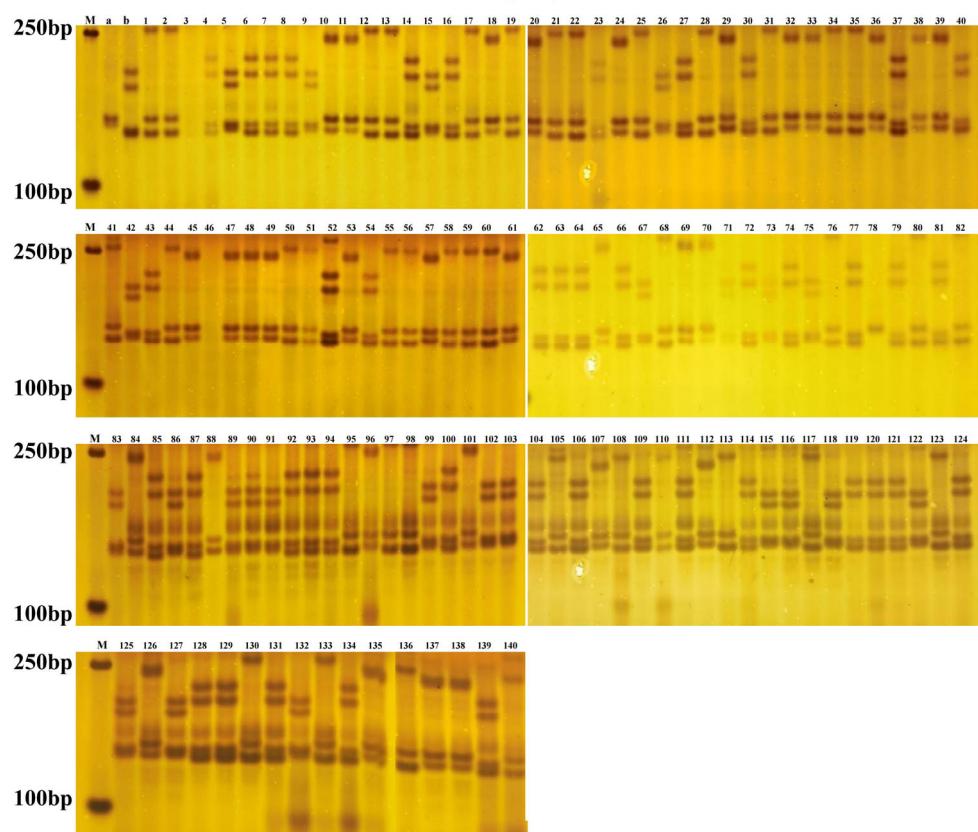
**Figure S5.** PAGE result of GEM201 primer.

### GEM203



**Figure S6.** PAGE result of GEM203 primer.

**P3-19**



**Figure S7.** PAGE result of P3-19 primer.