



**Appendix D. The typing methods of specific markers.**

Fig A shows the specific marker of *wx-D10*, and this marker was a co-dominant marker; the statistical method was “A, B, H”, with the genotype “B” or “H” indicating that the plant contained the *wx-D10* gene. Fig B shows the specific marker of *wx-D7*, and this marker was a co-dominant marker; the statistical method was “A, B, H” with the genotype “B” or “H” indicating that the plant contained the *wx-D7* gene. Fig C shows the specific marker of *wx-Cin4*, and this marker was a dominant marker; the statistical method was “0, 1” with the genotype “1” indicating that the plant contained the *wx-Cin4* gene. Fig D shows the specific marker of *wx-Elote2*, and this marker was a dominant marker; the statistical method was “0, 1” with the genotype “1” indicating that the plant contained the *wx-Elote2* gene. M was the marker. Fig A and Fig B show 8% acrylamide gel electrophoresis results, Fig C and Fig D show 1% agarose gel electrophoresis results.