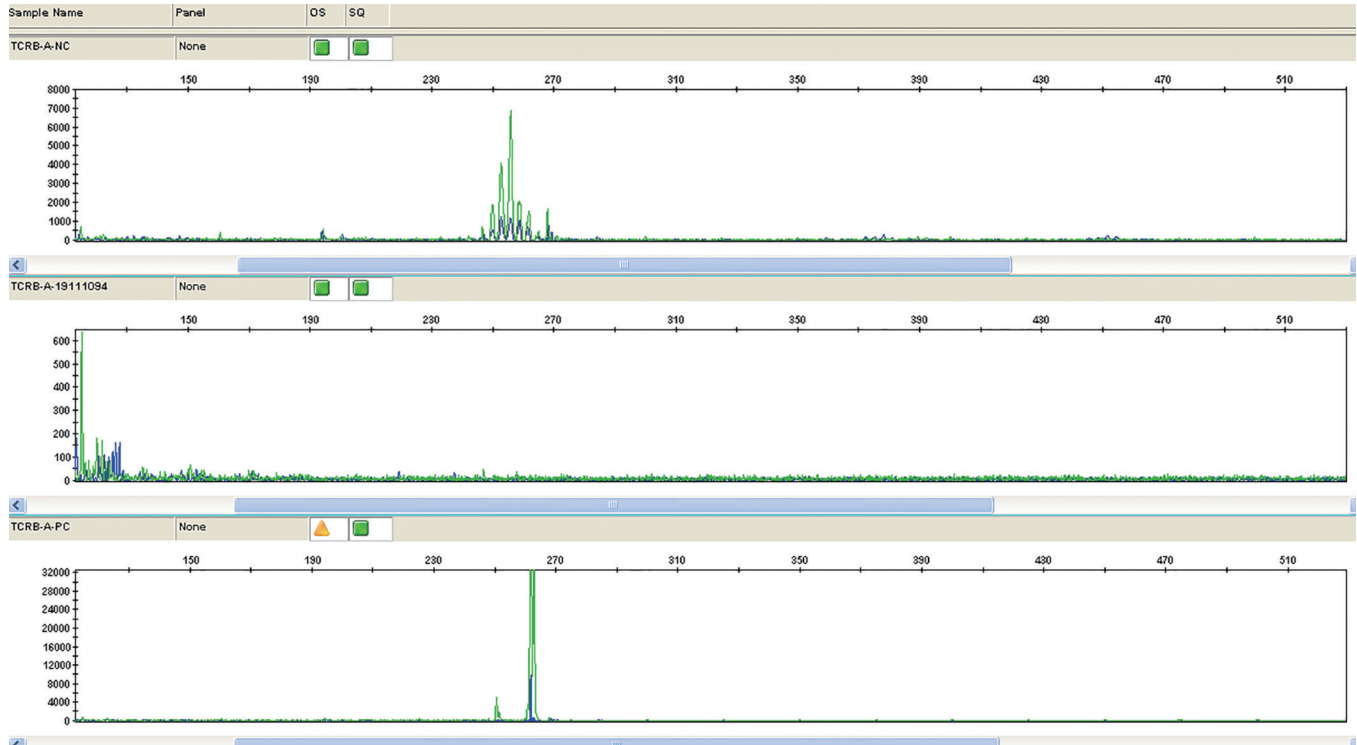
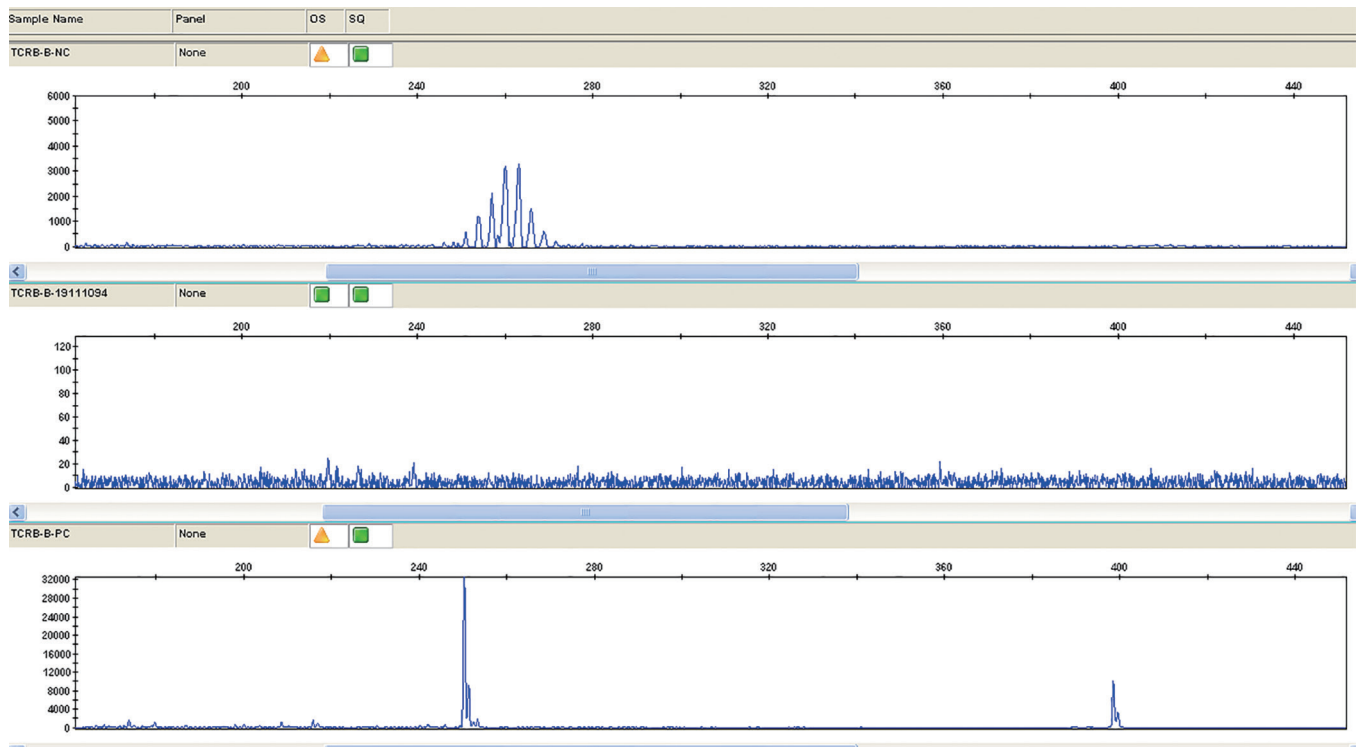


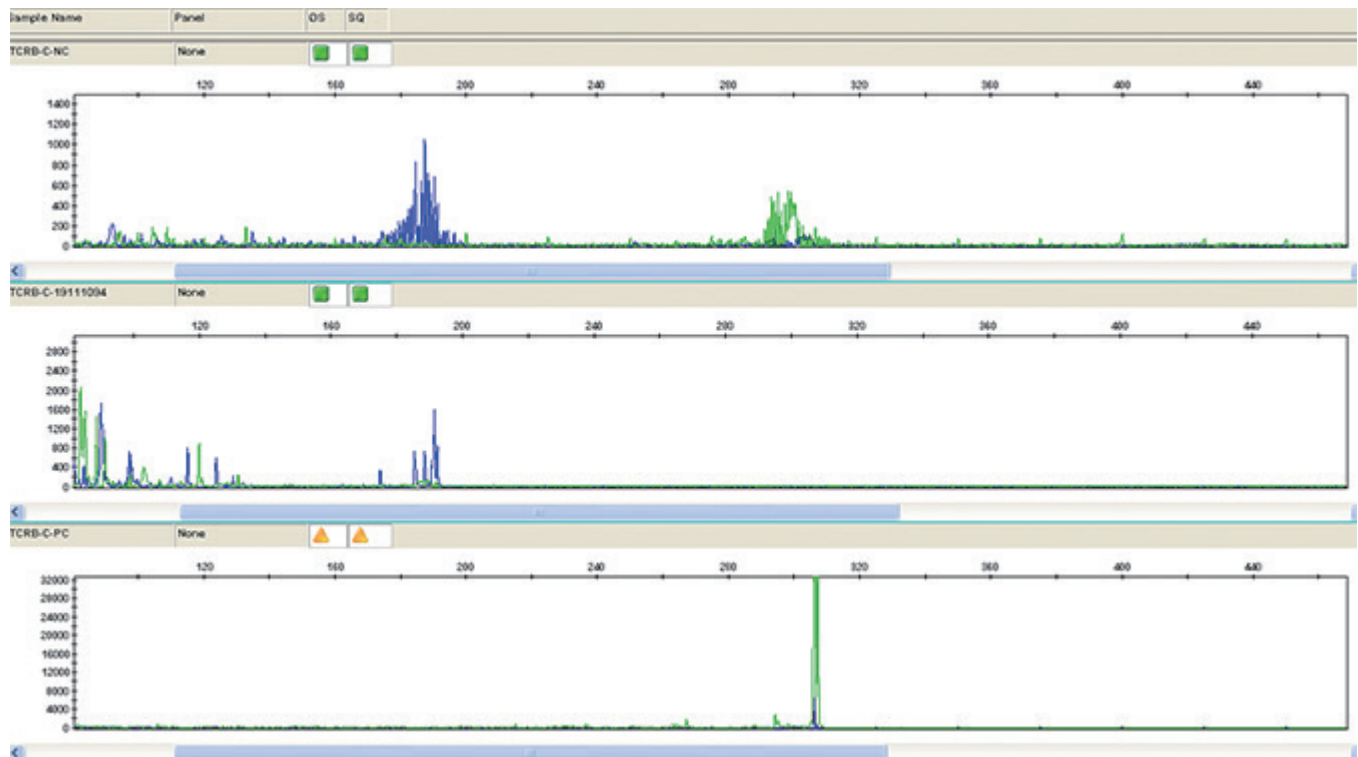
1. *TCRB A* tube (V β +J β 1/2) fragment analysis



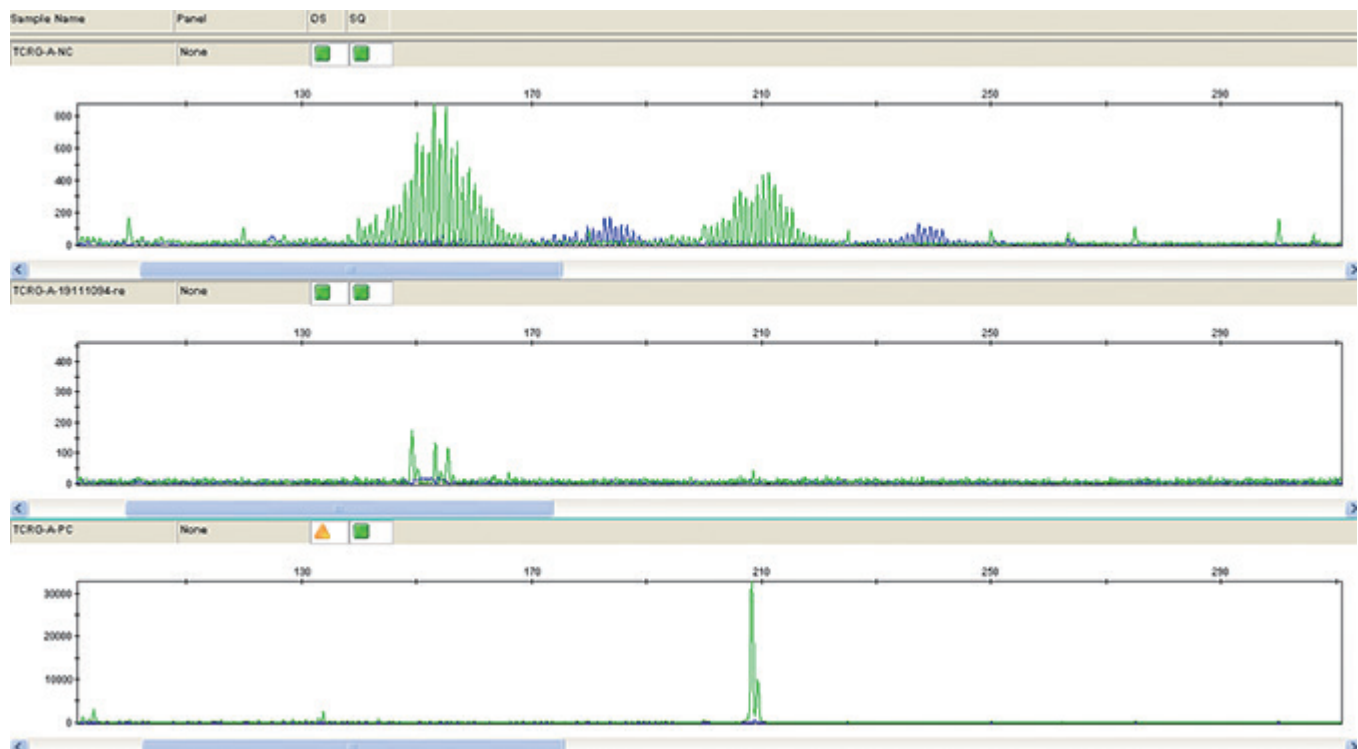
2. *TCRB B* tube (V β +J β 2) fragment analysis



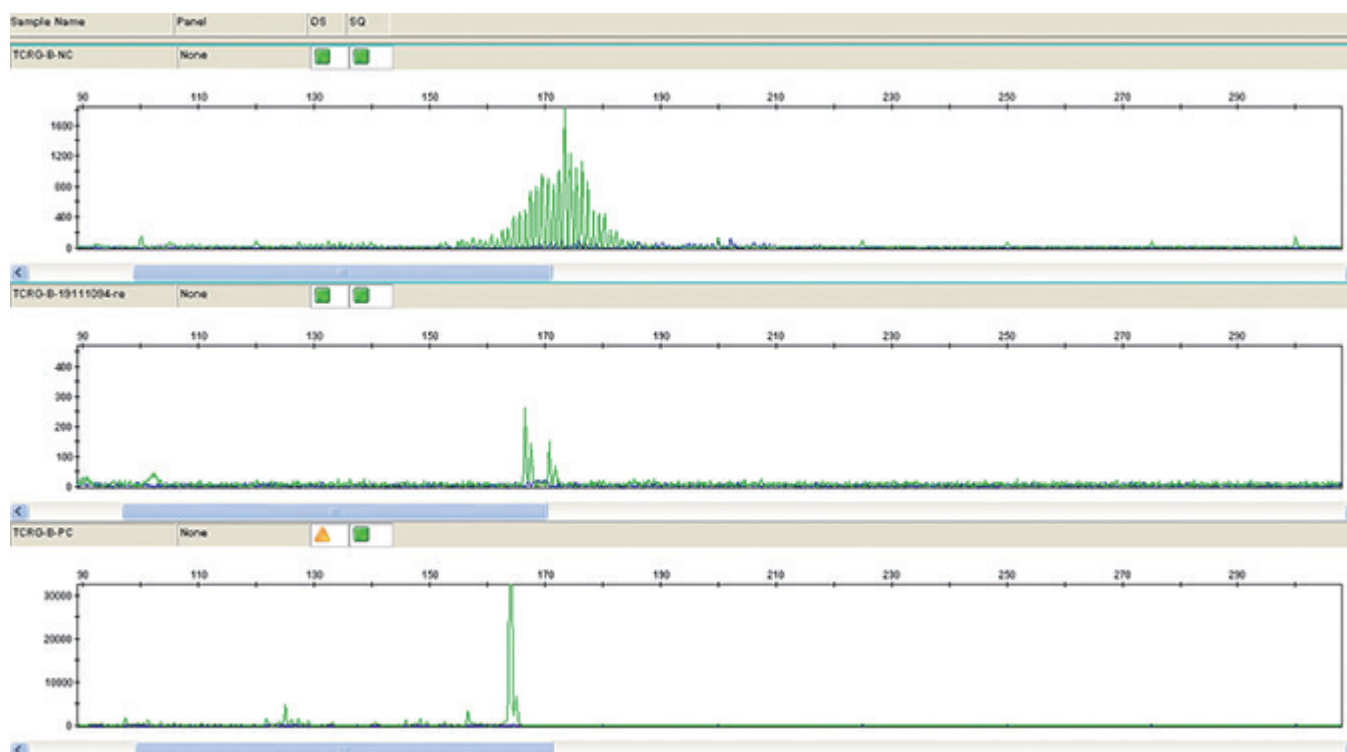
3. *TCRB C* tube (D β +J β 1/2) fragment analysis



4. *TCRG A* tube (V γ 1-8, V γ 10) fragment analysis



5. TCRG B tube (V γ 9, V γ 11) fragment analysis



Interpretation criteria: Fragment analysis diagrams contain the negative quality control result and the positive quality control peak. The size of the sample peak is within the effective range, and the peak height is $>3\times$ higher than the height of the third peak in the polyclonal background, which is considered the positive peak.