

Supplementary materials:

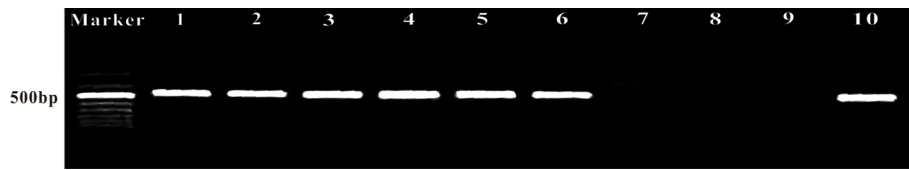


Fig. S1 The identification of targeted Rip-Tag2 transgenic mice with PCR technology. The primer sequences used were shown as follows: the forwards primer is 5'-GGACAAACCACAACACTAGAATGCAG-3' and reverse primer is 5'-CAGAGCAGAATTGTGGAGTGG-3'. PCR conditions: 94 °C 2 min; 94 °C 30 sec, 56 °C 30 s, 72 °C 30 s (35 cycles); 72 °C 10 min. The targeted Rip1-Tag2 size is about 500bp, shown in lane 1-6 and 10. Correspondingly, the 7-9 lanes without 500bp mark represented the background mice C57, as negative control in this study.

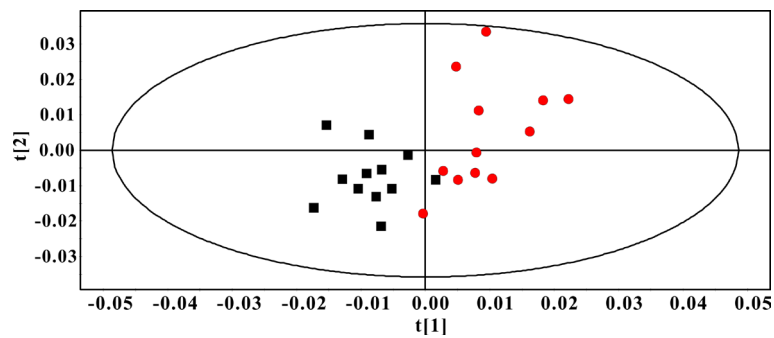


Fig. S2 Scores plot of principal component analysis of sera ¹H NMR spectra data in C57 and Rip1-Tag2 mice at 3 weeks. C57 (■), Rip1-Tag2 (●). ($R^2=76.1\%$, $Q^2=66.8\%$)