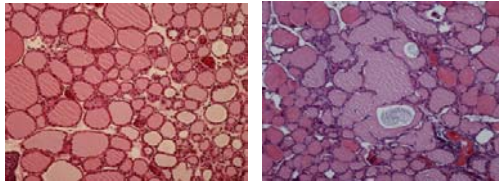


### The legends for supplement figures

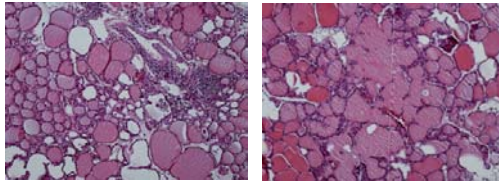
Supplement Figure 1. Thyroid histology of control #213MM and #213MM mice injected with Ad-TgP-Cre at 4 weeks of age. Representative data at 12th and 52nd weeks were shown.

Supplement Figure 2. The lentivirus vectors, V5 expression and H&E histology of the thyroids from *TPO-Cre* mice mock-injected or injected with the lentivirus. (A) The structures of the lentivirus vectors, LEL-BRAF<sup>V600E</sup>-V5 and LEL-LacZ-V5. (B) Immunohistochemistry of V5 expression in the thyroids of *TPO-Cre* mice mock-injected or injected with the lentivirus. (C) H&E staining of the thyroids of *TPO-Cre* mice mock-injected or injected with the lentivirus 48 weeks after injection..

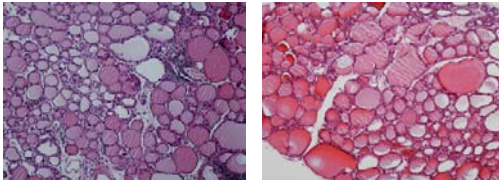
**A control #213**



**B #213 injected with Ad-TgP-Cre**



**C wt mice injected with Ad-TgP-Cre**



12 wks

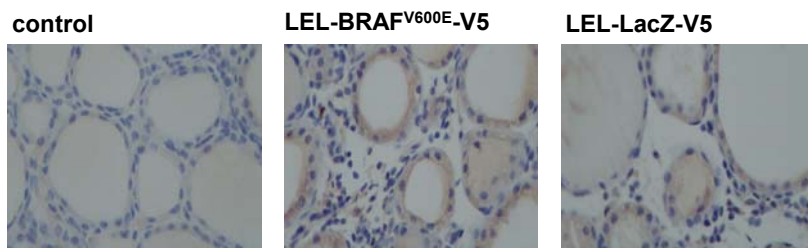
52 wks

wks after injection

**A**



**B**



**C**

