

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Classification of mouse lung pathologic phenotypes based on H&E staining; Related to Fig. 1-3 and Table 1, and Supplementary Fig. 1-4 and 6.

File Name: Supplementary Data 2

Description: Classification of mouse lung pathologic phenotypes based on H&E and immunohistochemistry staining of lung tumor marker proteins; Related to Fig. 1-3 and Table 1, and Supplementary Fig. 1-4 and 6.

File Name: Supplementary Data 3

Description: Gene lists of each microarray; Related to Fig. 1, 4, 6, and Supplementary Fig. 3, 4, 7 and 8.

File Name: Supplementary Data 4

Description: Percent of lung pathologic phenotypes in *Lkb1^{d/d}Pten^{d/d}* mouse tumors; Related to Fig. 2-3 and Supplementary Fig. 3-4.

File Name: Supplementary Data 5

Description: Detail information of key reagents.