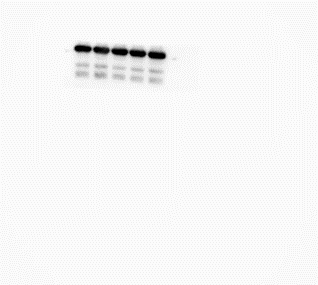
**Original images reported in the main figure**

**HtrA1 /GADPH**：NULL; NC; WT; Het; Hom

htra1gapdh

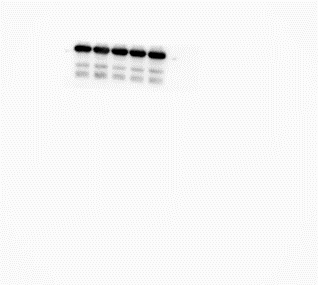
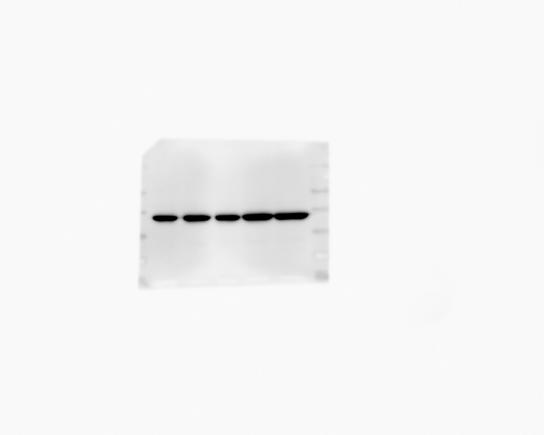
**Smad2/GADPH**：NULL; NC; WT; Het; Hom

**Note:** Smad2, Smad3, and Smad4 were electrophoresed at the same time. Therefore, the internal reference (GAPDH) can be shared.

smad2

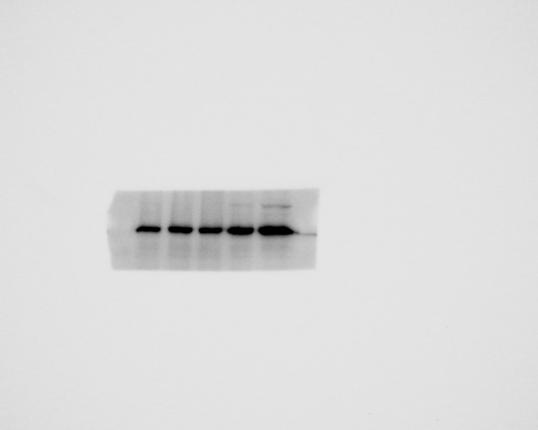
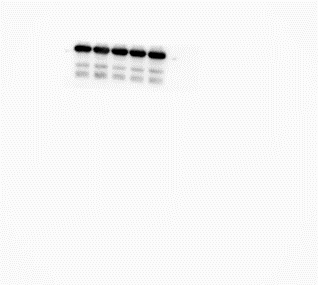
**Smad3/GADPH**：NULL; NC; WT; Het; Hom

**Note:** Smad2, Smad3, and Smad4 were electrophoresed at the same time. Therefore, the internal reference (GAPDH) can be shared.



**Smad4/GADPH**：NULL; NC; WT; Het; Hom

**Note:** Smad2, Smad3, and Smad4 were electrophoresed at the same time. Therefore, the internal reference (GAPDH) can be shared.

**NOX4/GADPH**: NULL; NC; WT; Het; Hom; NULL; NC; WT; Het (NOX4 inhibitor GLX351322); Hom (NOX4 inhibitor GLX351322)

**Caspase3/β-actin**: NULL; NC; WT; Het (NOX4 inhibitor GLX351322); Hom (NOX4 inhibitor GLX351322); NULL; NC; WT; Het; Hom;

**Note:** Caspase3 and cleaved-caspase3 were electrophoresed at the same time. Therefore, the internal reference (β-actin) can be shared.

**Cleaved-caspase3/β-actin**: NULL; NC; WT; Het (NOX4 inhibitor GLX351322); Hom (NOX4 inhibitor GLX351322); NULL; NC; WT; Het; Hom;

**Note:** Caspase3 and cleaved-caspase3 were electrophoresed at the same time. Therefore, the internal reference (β-actin) can be shared.