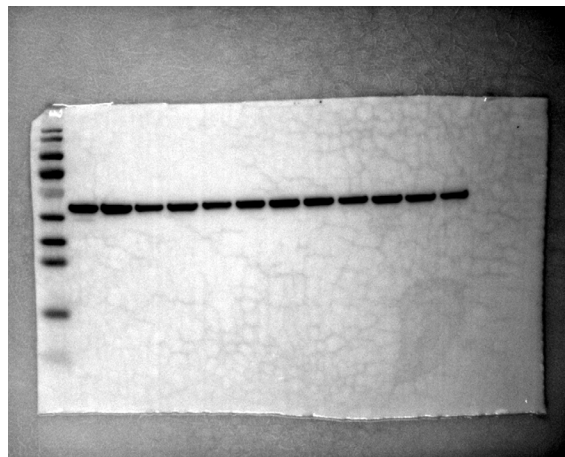
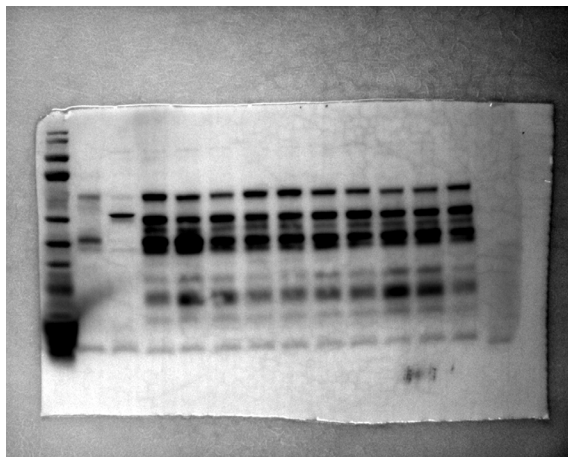


Additional file 12. Original Western blot images of fetal lung TFs expression in mice under different paternal VD status (related to Fig. 4F)

Original Western blot images for Figure 4F

KLF5 and β -actin blot



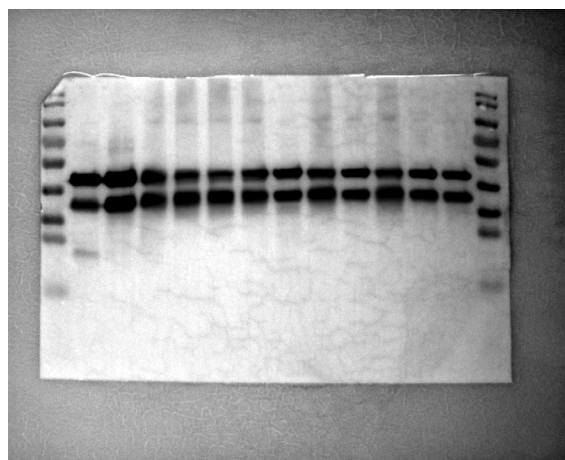
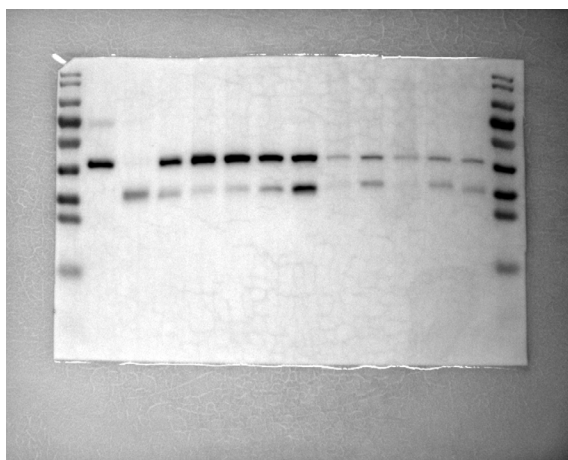
Lane information

- 1: Marker
- 2: Positive control (Adult mouse lung)
- 3: Negative control (Adult mouse thymus)
- 4–8: CON pups ($n = 5$ biological replicates)
- 9–13: VDD pups ($n = 5$ biological replicates)

Notes

KLF5 (~55 kDa) and β -actin (~42 kDa) are located. Both proteins were detected on the same membrane following sequential stripping and reprobing. The cropped region presented in the main figure (Figure 4F) was derived from lanes 4–13.

TFCP2L1 and β -actin blot



Lane information

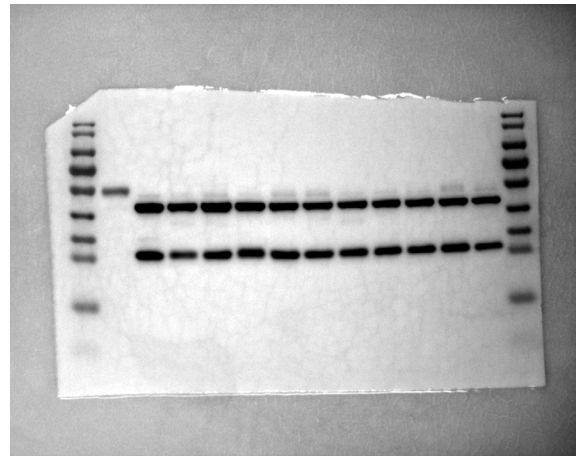
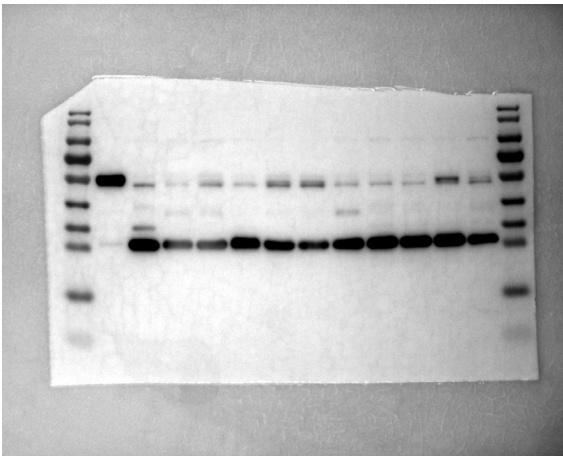
- 1: Marker
- 2: Positive control (Adult mouse kidney)

3: Negative control (Adult mouse thymus)
4–8: CON pups ($n = 5$ biological replicates)
9–13: VDD pups ($n = 5$ biological replicates)
14: Marker

Notes

TFCP2L1 (~50 kDa), β -actin (~42 kDa) and GAPDH (~36 kDa) are located. These proteins were detected on the same membrane following sequential stripping and reprobing. The cropped region presented in the main figure (Figure 4F) was derived from lanes 4–13.

IRX1 and β -actin blot



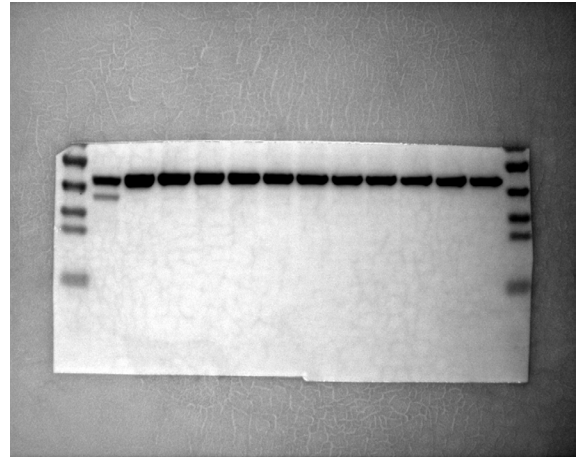
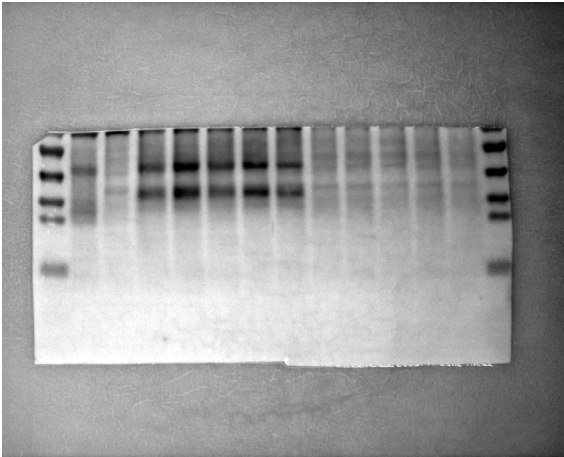
Lane information

1: Marker
2: High positive control (Adult mouse heart)
3: Low positive control (Adult mouse testis)
4–8: CON pups ($n = 5$ biological replicates)
9–13: VDD pups ($n = 5$ biological replicates)
14: Marker

Notes

IRX1 (~50 kDa) and β -actin (~42 kDa) are located. Both proteins were detected on the same membrane following sequential stripping and reprobing. The cropped region presented in the main figure (Figure 4F) was derived from lanes 4–13. In Lane 2 (mouse heart tissue, high positive control), β -actin migrated at a tissue specific molecular weight different from 42 kDa, without affecting normalization.

CEBPA and β -actin blot



Lane information

- 1: Marker
- 2: Positive control (Adult mouse kidney)
- 3: Negative control (Adult mouse thymus)
- 4–8: CON pups ($n = 5$ biological replicates)
- 9–13: VDD pups ($n = 5$ biological replicates)
- 14: Marker

Notes

CEBPA (~43 kDa) and β -actin (~42 kDa) are located. Both proteins were detected on the same membrane following sequential stripping and reprobing. The cropped region presented in the main figure (Figure 4F) was derived from lanes 4–13.