

Extended Data Figure 10 | See next page for caption.

Loss of medial nerve cord

Gain of nerve cords

Nerve cord inversion

Loss of dorsoventral patterning

Gain of dorsoventral patterning

Signs of dorsoventral patterning

Gain of medial nerve cord

Gain of nerve cords

BMP axis inversion

Gain of dorsoventral patterning

Signs of dorsoventral patterning