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Supplementary Figure 2:

RT-PCR analyses of chicken *HOXA3* (A) and mouse *Hoxa3* (B) transcripts. *HOXA3/Hoxa3* cDNA fragments were obtained and amplified from RNA samples of both the anterior (A) and posterior (P) regions of chicken and mouse embryos at various stages. Embryos were cut at r4 into anterior (A) and posterior (P) tissue regions (see Supplementary materials and methods for details). Without the reverse transcriptase step (RT-), these amplifications were not observed. We confirmed that the amounts of RNA used in these reactions from the anterior (A) and posterior (P) tissues were the same by amplifying chicken *GAPDH* and mouse *HPRT* cDNA fragments.

