

TABLE S3. WNT reporter activity and CDX2 expansion in mouse embryos cultured in control versus WNT signalling conditions, Related to Figure 5.

Stage	Condition	WNT reporter expansion	CDX2 expansion
E7.0	No treatment; N=4	0/8	0/7
E7.0	FGF treatment; N=2	0/3	0/3
E7.0	CHIR treatment; N=4	6/7	7/8
E7.0	FGF/CHIR treatment; N=3	4/6	3/5
E7.5	No treatment; N=1	N/A	0/1
E7.5	FGF treatment; N=6	0/6	0/29
E7.5	CHIR treatment; N=1	N/A	0/1
E7.5	FGF/CHIR treatment; N=6	13/16	0/31

Table S5. Primers used for qPCR, Related to STAR Methods.

Primer	Sequence
Actin_F	TGGCTCCTAGCACCATGA
Actin_R	CCACCGATCCACACAGAG
Cdx2_F	TAGTCGATACATCACCATCAGG
Cdx2_R	TGATTTTCCTCTCCTTGGCTCT
Dbx1_F	CTATTTCCCAGCTTCCTCCA
Dbx1_R	GCTTCTGGAACGTCTTCTCC
Hoxb4_F	AGCACGGTAAACCCCAATTACG
Hoxb4_R	CGCGTCAGGTAGCGATTGTAG
Hoxb8_F	CAGCTCTTTCCCTGGATG
Hoxb8_R	CACTTCATTCTCCGATTCTG
Hoxb9_F	TAATCAAAGAGCTGGCTACG
Hoxb9_R	CCCTGGTGAGGTACATATTG
Hoxc4_F	AAGCAACCCATAGTCTACCCTTG
Hoxc4_R	CTCCGTTATAATTGGGGTTACCGT
Hoxc6_F	CAGGTAAAGGCAAAGGGATG
Hoxc6_R	ATAGGCGGTGGAATTGAGG
Hoxc8_F	GAAGGACAAGGCCACTTAAAT
Hoxc8_R	AGGTCTGATACCGGCTGTAAGTTT
Notum_F	GCCAGTTCAAGGAAGGAGAG
Notum_R	AAGCCACTGTACCACGAACA
Olig2_F	AGACCGAGCCAACACCAG
Olig2_R	AAGCTCTCGAATGATCCTTCTTT
Pax7_F	CAGCCAGCAAGACATTCC
Pax7_R	ACCACAGATACAAGCCATTC
Phox2b_F	GATAAGGACCACTTTTGGGGC
Phox2b_R	GTTTGTATGGAAGTGC GGCG
T/Bra_F	ACACACGGCTGTGAGAGGTA
T/Bra_R	TTATCATGGGACTGCAGCAT

Table S6. Primer sequences used for barcoding ATAC-seq libraries, Related to STAR Methods.

Nextera index	Primer Sequence
Ad1_noMX:	AATGATACGGCGACCACCGAGATCTACACTCGTCGGCAGCGTCAGATGTG
Ad2.1_TAAGGCGA	CAAGCAGAAGACGGCATACGAGATTCGCCTTAGTCTCGTGGGCTCGGAGATGT
Ad2.2_CGTACTAG	CAAGCAGAAGACGGCATACGAGATCTAGTACGGTCTCGTGGGCTCGGAGATGT
Ad2.3_AGGCAGAA	CAAGCAGAAGACGGCATACGAGATTTCTGCCTGTCTCGTGGGCTCGGAGATGT
Ad2.4_TCCTGAGC	CAAGCAGAAGACGGCATACGAGATGCTCAGGAGTCTCGTGGGCTCGGAGATGT
Ad2.5_GGACTCCT	CAAGCAGAAGACGGCATACGAGATAGGAGTCCGTCTCGTGGGCTCGGAGATGT
Ad2.6_TAGGCATG	CAAGCAGAAGACGGCATACGAGATCATGCCTAGTCTCGTGGGCTCGGAGATGT
Ad2.7_CTCTCTAC	CAAGCAGAAGACGGCATACGAGATGTAGAGAGGTCTCGTGGGCTCGGAGATGT
Ad2.8_CAGAGAGG	CAAGCAGAAGACGGCATACGAGATCCTCTCTGGTCTCGTGGGCTCGGAGATGT
Ad2.9_GCTACGCT	CAAGCAGAAGACGGCATACGAGATAGCGTAGCGTCTCGTGGGCTCGGAGATGT
Ad2.10_CGAGGCTG	CAAGCAGAAGACGGCATACGAGATCAGCCTCGGTCTCGTGGGCTCGGAGATGT
Ad2.11_AAGAGGCA	CAAGCAGAAGACGGCATACGAGATTGCCTCTTGTCTCGTGGGCTCGGAGATGT
Ad2.12_GTAGAGGA	CAAGCAGAAGACGGCATACGAGATTCCTCTACGTCTCGTGGGCTCGGAGATGT