

**Table S1.** The following probes were used for in situ hybridization

<b>Gene/probe</b>	<b>ZFIN ID Number</b>	<b>Accession Number</b>
<i>notum1a</i>		EU728672
<i>tbx6</i>	ZDB-GENE-980526-171	NM 131052
<i>gsc</i>	ZDB-GENE-980528-2060	NM 131017
<i>sp5l</i>	ZDB-GENE-030131-2981	NM 194371
<i>rx3</i>	ZDB-GENE-990415-238	NM 131277
<i>pax2a</i>	ZDB-GENE-990415-8	NM 131184
<i>egr2b (krox20)</i>	ZDB-GENE-980526-283	NM 130997
<i>myod1</i>	ZDB-GENE-980526-561	NM 131262
<i>sox32</i>	ZDB-GENE-011026-1	NM 131851
<i>msxc</i>	ZDB-GENE-980526-306	NM 131272
<i>bmp4</i>	ZDB-GENE-980528-2059	NM 131342
<i>foxa</i>	ZDB-GENE-990415-76	NM 131282
<i>pax3a</i>	ZDB-GENE-980526-52	NM 131277
<i>pax6a</i>	ZDB-GENE-990415-200	NM 131304
<i>lhx3</i>	ZDB-GENE-980526-131	NM 131208
<i>dkk1b</i>	ZDB-GENE-990708-5	NM 131003
<i>pea3</i>	ZDB-GENE-990415-71	NM 131425
<i>spry4</i>	ZDB-GENE-010803-2	NM 131826