

SUPPLEMENTAL INFORMATION

Materials and methods

Clones and primer sequences for generation of ISH riboprobes

(*Gene name*: Forward primer; Reverse primer; Clone ID and company)

4930426D05Rik: SP6_GCTGGGGACACCTTCGATTATCCG; T7_AATCCATACCAGTGCCTCCTGGCC *

Bcl2: SP6_TTGTAATTCATCTGCCGCCG; T7_GCAGGTACCAATGGCACTTCAA (n.6306635 OB)

Cldn3: SP6_AGATGGGAGCTGGGTTGTA; T7_TTCATGGTTTGCCTGTCTCT (n.4217040 OB)

Crlf1: SP6_GACACACCTGGGGCCACCGC; T7_CCCAACGCGGCTCACGTGC *

Cxcl12: SP6_AAGGCTGACATCCGTGGGAGATGC; T7_AAGCAAAGGGAAGAGAGGGGAGGGG *

Iigp1: SP6_CTCTGCAATCAGTGATGCAT; T7_TGGCTCAGCAATGCCATTCT (n.3483102 OB)

Npnt: SP6_CAGTTATATAGGGTGGGC; T7_CATCTTTGTGTCTCCTGG (n.30472074 OB)

Prlr: SP6_TGCCTGTAGCAAGAAGAAGGGC; T7_AAAGTCAGGTTCCGAGGAGGCT (n.3500076 OB)

Slc4a4: SP6_ATGCTATCACTTTTGGAGGACTGC; T7_CTTGGCACAATTAGTTTTGGGG *

Slc16a2: SP6_GTATTCCGCCAGCGCACTTACC; T7_TGGCTCAGAGGAGATGGTCAGG (n.6313495 OB)

Sorbs2: SP6_GCCCTGAACTTTGAAATGC; T7_CACAATGCCAATGGTTACG *

Stc2: SP6_TACCCAGAACCATGTGTGC; T7_AATCACACCGACGTTCTCC (n.3665803 OB)

Tbx3: SP6_CTTCCCCCAAAGACACTTTCCCC; T7_AGCGGGGCTGTCCGGGTGTATATA *

Tle2: SP6_TTCACCCTCTGTGCACCCTGTCCCC; T7_GGCAAGGAGACAGACGAGCCTCGGA (n.5695461 Gene Service)

* template synthesized using cDNA from E10.5 mouse embryo; OB denotes Open Biosystems.

References for tables 1-3

Table 1. Hhex (Thomas et al., 1998), Pax8 (Plachov et al., 1990)

Table 2. Tmprss2 (Vaarala et al., 2001), Etv5 (Liu et al., 2003), Clic6 (Shaw et al., 2010), Foxa2 (Monaghan et al., 1993), Fgfr4 (Cardoso et al., 1997), Thbs1 (Liu and Hogan, 2002), Foxa1 (Monaghan et al., 1993), Wnt7b (Pepicelli et al., 1998), Sp5 (Sherwood et al., 2009), Thbd (Weiler-Guettler et al., 1996), Elf5 (Metzger et al., 2007), Hnf1b (Lokmane et al., 2008), Sema3c (Kagoshima and Ito, 2001).

Table 3. Cdh16 (Wertz and Herrmann, 1999), Cdh1 (Fagman et al., 2003), Alcam (Stephan et al., 1999), Epcam (Sherwood et al., 2009), Cldn6 (Anderson et al., 2008).

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