

Table S1. List of primers used in this study

Target gene	Primer (Forward)	Primer (Reverse)
<i>GAPDH</i>	GAAGGTGAAGGTCGGAGTC	GAAGATGGTGATGGGATTTTC
<i>LDHB</i>	GGACAAGTTGGTATGGCGTGTG	AAGCTCCCATGCTGCAGATCCA
<i>EIF3E</i>	ACAAGGCAAATGCAGTCAACCAGG	TGCTGCTCCTGAGTAATTCCACA
<i>LGR5</i>	TGCTCTTCACCAACTGCATC	CTCAGGCTCACCAGATCCTC
<i>CD166</i>	TCAAGGTGTTCAAGCAACCA	CTGAAATGCAGTCACCCAAC
<i>SI</i>	GGTAAGGAGAAAACCGGAAG	GCACGTCGACCTATGGAAT
<i>LYZ</i>	AAAACCCCAGGAGCAGTTAAT	CAACCCCTTTTGACAAGCT
<i>MUC2</i>	TGTAGGCATCGCTCTTCTCA	GACACCATCTACCTCACCCG
<i>CHGA</i>	TGACCTCAACGATGCATTTTC	CTGTCCTGGCTCTTCTGCTC
<i>OCLN</i>	CATTGCCATCTTTGCCTGTG	AGCCATAACCATAGCCATAGC
<i>CLDN1</i>	CCCAGTCAATGCCAGGTACG	GGGCCTTGGTGTGGGTAAG
<i>CLDN3</i>	CAGGCTACGACCGCAAGGAC	GGTGGTGGTGGTGGTGTGG
<i>CLDN5</i>	GCAGCCCCTGTGAAGATTGA	GTCTCTGGCAAAAAGCGGTG
<i>EPHB3</i>	TCGTGGTCATCGCTATCGTCT	AAACTCCCGAACAGCCTCATT
<i>CD44</i>	CCAGAAGGAACAGTGGTTTGGC	ACTGTCCTCTGGGCTTGGTGT
<i>OLFM4</i>	ACCTTTCCCGTGGACAGAGT	TGGACATATCCCTCACTTTGGA
<i>PIGR</i>	CTCTCTGGAGGACCACCGT	CAGCCGTGACATTCCCTG
<i>AXIN2</i>	GAGTGGACTTGTGCCGACTTCA	GGTGGCTGGTGCAAAGACATAG
<i>CTNNB</i>	TCTGAGGACAAGCCACAAGATTACA	TGGGCACCAATATCAAGTCCAA

Table S2. List of antibodies used in this study

Antibodies	Catalog No.	Company	Dilution
anti-LDHB	PA5-96736	Thermo Scientific	1 : 200 for IF
anti-EDN1	ab2786	abcam	1 : 200 for IF
anti-EIF3E	NBP1-84869	NOVUS	1 : 100 for IF
anti-CD44	ab6124	abcam	1 : 200 for IF
anti-Ki67	556003	BD	1 : 100 for IF
anti-KLF5	ab137676	abcam	1 : 100 for IF
anti-Lysozyme	ab76784	abcam	1 : 200 for IF
anti-Villin	sc-7672	Santa Cruz	1 : 50 for IF
anti-Chromogranin A	MA5-14536	Thermo Scientific	1 : 200 for IF
anti-Mucin2	sc-7314	Santa Cruz	1 : 50 for IF
anti-b-catenin	sc-7199	Santa Cruz	1 : 100 for IF
anti-ASCL2	MAB4418	Merck Millipore	1 : 200 for IF

IF: Immunofluorescence.