



**Figure S1** qRT-PCR was used to detect the expression of ISL1 in different cells (biological repeat 3 times). \*\*\*,  $P < 0.001$ . qRT-PCR, quantitative reverse transcription-polymerase chain reaction; ISL1, insulin gene enhancer binding protein-1.

**Table S1** Gastric cancer patient information

Study participant number	Age (years)	Sex
1	69	Male
2	49	Female
3	69	Male
4	60	Male
5	52	Female
6	67	Male
7	70	Female
8	77	Male
9	69	Male
10	52	Male
11	44	Female
12	74	Male

**Table S2** Sequences of real-time PCR primers

Gene	Primer sequence
Human- <i>lgr5</i>	Forward: CATCAGCTATGTGCCCCCAA
	Reverse: TGTGGAGCCCATCAAAGCAT
Human- <i>sox2</i>	Forward: ACACCAATCCCATCCACACT
	Reverse: GCAAACCTTCTGCAAAGCTC
Human- <i>cd44</i>	Forward: CACACCCTCCCCTCATTAC
	Reverse: TGGATGGCTGGTATGAGCTG
Human- <i>oct4</i>	Forward: TTGAGGCTCTGCAGCTTAG
	Reverse: GCCGGTTACAGAACCACAC
Human- <i>isl1</i>	Forward: CTTTCAGCATTGGCAACCCC
	Reverse: ACACAGCGGAAACACTCGAT
Human- <i>ck18</i>	Forward: CTGTCCTTTCTCTCTCCCG
	Reverse: CGTTCAGGCTTTGCATGGTC
Human- <i>muc1</i>	Forward: TCTCAGACGTCAGCGTGAGT
	Reverse: CTCGCTCATAGGATGGTAGG

PCR, polymerase chain reaction.