**Supplementary Table2** The primes for qRT-PCR

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| Gene | Primer (5’-3’) | length（bp） |
| *sox2* | FOR | GAAGATGCACAACTCGGAGATCAG | 100 |
| REV | GAGCCGTTTGGCTTCGTCA |
| *cvh* | FOR | AGGAGGACTGGGACACG | 164 |
| REV | GCCTCTTGATGCTACCG |
| *c-kit* | FOR | GCGAACTTCACCTTACCCGATTA | 150 |
| REV | TGTCATTGCCGAGCATATCCA |
| *stra8* | FOR | TGATGGCGATGTGAGGGA | 115 |
| REV | AAGGAAACCAGCAGCAAC |
| *Dazl* | FOR | TGTCTTGAAGGCCTCGTTTG | 138 |
| REV | CATATCCTTGGCAGGTTGTTGA |
| *integrin α6* | FOR | AGATTTACCTATTTACCGATTG | 117 |
| REV | CTGTGGATTTCTTGCGTC |
| *integrin β1* | FOR | TGTTTGTGGGGACCAGATTG | 120 |
| REV | CCAGGTGACATTTCCCATCA |
| *C1EIP* | FOR | ATCTGCTCCAGGTTTGGCTA | 104 |
| REV | TGGCAGGTTTAGTTTCAGTCA |
| *ENO1* | FOR | CGGTGCCTCAACTGGAAT | 193 |
| REV | CTCCGTTCCATCCATTTCC |
| *Myc* | FOR | GCCAGCGAAGGAATGAGC | 176 |
| REV | CCGCCTCAACTGCTCTTTCT |
| *Notch1* | FOR | AAGGACCCGTATCAGC | 293 |
| REV | TCAGGAGGTGGGAAGT |
| *β-actin* | FOR | CAGCCATCTTTCTTGGGTAT | 164 |
| REV | CTGTGATCTCCTTCTGCATCC |