| Gene     | NCBI reference sequence | Sequence (5’→3’) | Product size (bp) |
|----------|-------------------------|------------------|------------------|
| PCNA     | NM_022381.3             | F: ATCTAGACGTGCACAACCTCGG  
|          |                         | R: GCTGCACTAAGGAGACGTGA   | 173              |
| Notch-3  | NM_020087.2             | F: GGCAGGTGTGATGCCCTAAGTT  
|          |                         | R: AAGGAAGTGGAAAGCCGGAAG   | 276              |
| Jagged-1 | NM_019147.1             | F: CAGCAGAAAGTGCCGGTTTGC  
|          |                         | R: CGGAGGCCCTCAAATCTCTA    | 208              |
| Hes-5    | NM_024383.1             | F: TACAGCGAGGGTTACTCGTG   
|          |                         | R: GCAGATTGGCGCGAGGT        | 215              |
| GAPDH    | NM_017008.4             | F: CAGCCCCAGAGTGTGTATCC    
|          |                         | R: GAAGATGCAGGTACCTACA      | 142              |

PCNA, proliferating cell nuclear antigen; Hes-5, hes family bHLH transcription factor 5; F, forward; R, reverse.
### Table SII. Primary antibodies used for western blotting.

| Protein          | Cat. no. | MW (kDa) | Source/subtype                  | Dilution     | Supplier details                        |
|------------------|----------|----------|---------------------------------|--------------|-----------------------------------------|
| PCNA             | 13110    | 36       | Rabbit IgG                      | 1:400 (WB)   | Cell Signaling Technology, Inc.         |
|                  |          |          |                                 | 1:200 (IHC)  |                                          |
| GAPDH            | 5174S    | 37       | Rabbit mAb                      | 1:100 (WB)   | Cell Signaling Technology, Inc.         |
| Jagged-1         | 70109S   | 180      | Rabbit mAb                      | 1:400 (WB)   | Cell Signaling Technology, Inc.         |
| Hes-5            | PA5-23498| 18       | Polyclonal Rabbit IgG antibody   | 1:200 (WB)   | Thermo Fisher Scientific, Inc.          |
| α-smooth muscle  | 68463    | 42       | Rabbit mAb                      | 1:200 (IHC)  | Cell Signaling Technology, Inc.         |
| actin            | 5276S    | 90       | Rabbit mAb                      | 1:400 (WB)   | Cell Signaling Technology, Inc.         |

PCNA, proliferating cell nuclear antigen; Hes-5, hes family bHLH transcription factor 5; MW, molecular weight; mAb, monoclonal antibody; WB, western blotting; IHC, immunohistochemistry.