

## Supplemental information

**Table 1: Primary antibodies for immunofluorescence and western blotting**

| Antibody target                       | Source                            | Dilution (IF) | Dilution (WB) |
|---------------------------------------|-----------------------------------|---------------|---------------|
| Vimentin                              | Santa Cruz Biotechnology (sc6260) | 1:100         |               |
| $\alpha$ -SMA                         | Abcam (ab7817)                    | 1:100         |               |
| CD68                                  | Abcam (ab955)                     | 1:100         |               |
| Collagen I                            | Abcam (ab34710)                   | 1:100         |               |
| Collagen III                          | Abcam (ab7778)                    | 1:100         |               |
| Collagen IV                           | Abcam (ab182744)                  | 1:100         |               |
| Fibronectin                           | Abcam (ab32419)                   | 1:100         |               |
| E-cadherin                            | BD Biosciences (610181)           | 1:100         |               |
| Na <sup>+</sup> K <sup>+</sup> ATPase | Abcam (ab76020)                   | 1:100         |               |
| Villin                                | Abcam (ab130751)                  | 1:100         | 1:1000        |
| Claudin-1                             | Abcam (ab15098)                   | 1:100         |               |
| ZO1                                   | Abcam (ab59720)                   | 1:100         |               |
| CD14                                  | Abcam (ab183322)                  | 1:100         |               |
| iNOS                                  | Abcam (ab178945)                  | 1:100         |               |
| COX-2                                 | Abcam (ab188183)                  | 1:100         | 1:1000        |
| Ki67                                  | Abcam (ab118817)                  | 1:100         |               |
| MMP-9                                 | Abcam (ab76003)                   | 1:100         |               |
| $\beta$ -actin                        | Abcam (ab8224)                    |               | 1:5000        |

**Table 2: Primers for quantitative real-time PCR**

| Gene          | Forward sequence      | Reverse sequence       | Primer Pair ID |
|---------------|-----------------------|------------------------|----------------|
| <i>CD68</i>   | GTACTGAACCCCAACAAAC   | ATGTAGCTCAGGTAGACCAAC  | H_CD68_1       |
| <i>CD86</i>   | CCCACTGAATTTTGTGTACC  | CTCTAGAGCATAGTAATCACAC | H_CD86_1       |
| <i>VIL1</i>   | AAGATGGTAGATGATGGGAG  | CAAACGTAGAGCAGGTAATG   | H_VIL1_1       |
| <i>CLDN2</i>  | CTGAGGAATGACTACTTCCC  | ATCTAGAAGACCCTGAATGGC  | H_CLDN2_1      |
| <i>CLDN4</i>  | GAGCCATATAACTGCTCAAC  | AGATAAAGCCAGTCCTGATG   | H_CLDN4_1      |
| <i>CLDN7</i>  | CATAATTTTCATCGTGGCAG  | ATACTCCTTGGAAGAGTTGG   | H_CLDN7_1      |
| <i>OCLN</i>   | GGACTGGATCAGGGAATATC  | ATTCTTTATCCAAACGGGAG   | H_OCLN_1       |
| <i>LAMA1</i>  | CATACATCACTCATCAATGGC | TAGCGTCTGGTAACAATAGG   | H_LAMA1_1      |
| <i>LAMA5</i>  | ATCCTATGACTTCATCAGCC  | TTGTTATAGAAGAGGGAGAGG  | H_LAMA5_1      |
| <i>COL4A1</i> | AAAGGGAGATCAAGGGATAG  | TCACCTTTTCTCCAGGTAG    | H_COL4A1_1     |