**Supplementary Table 1. Human aortic valve samples**

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| --- | --- | --- |
| **Admission number** | **Sex** | **Age** |
| 1931505 | F | 63 |

**Supplementary Table 2. Primer sequences**

|  |  |
| --- | --- |
| **Gene name** | Primer sequences（5，-3，） |
| **RUNX2(F)** | CCGCCTCAGTGATTTAGGGC |
| **RUNX2(R)** | GGGTCTGTAATCTGACTCTGTCC |
| **ALP(F)** | TACACGGTCCTCCTATACGGAA |
| **ALP(R)** | CTCTCGCTCTCGGTAACATC |
| **β-Actin（F）** | GGATTCCTATGTGGGCGACGA |
| **β-Actin（R）** | GCGTACAGGGATAGCACAGC |