

**Supplemental Table 2**

| <b>Expression analysis of Wnt members<br/>in human chondrocytes</b> |  |                               |
|---|--|-------------------------------|
| <b>Gene</b>   | <b><math>\Delta</math>Ct<sup>1</sup></b> | <b>Expression<sup>2</sup></b> |
| <b>Wnt1</b>   | 23.65 $\pm$ 2.17                         | -                             |
| <b>Wnt3</b>   | 22.05 $\pm$ 1.08                         | -                             |
| <b>Wnt3A</b>  | 22.18 $\pm$ 2.03                         | -                             |
| <b>Wnt4</b>   | 18.62 $\pm$ 1.90                         | +                             |
| <b>Wnt5A</b>  | 8.31 $\pm$ 1.28                          | ++                            |
| <b>Wnt5B</b>  | 18.82 $\pm$ 1.32                         | +                             |
| <b>Wnt7A</b>  | 28.00 $\pm$ 2.19                         | -                             |
| <b>Wnt7B</b>  | 16.12 $\pm$ 1.34                         | +                             |
| <b>Wnt9A</b>  | 16.65 $\pm$ 1.27                         | +                             |
| <b>Wnt10A</b>   | 29.04 $\pm$ 2.29                         | -                             |
| <b>Wnt10B</b>   | 24.29 $\pm$ 1.82                         | -                             |
| <b>Wnt11</b>  | 23.03 $\pm$ 1.37                         | -                             |

1) mRNA expression levels of Wnt members were detected by real-time PCR. Data are expressed as mean  $\Delta$ Ct in comparison to GAPDH Ct as internal control  $\pm$ SD of 4 donors.

Ct, threshold of cycle.

2) Wnt gene expression was considered present in chondrocytes if  $\Delta$ Ct < 20 (+). Wnt gene expression was considered strong when  $\Delta$ Ct was less than 10 (++). If  $\Delta$ Ct >20 Wnt gene expression was considered absent (-).