**Supplementary Table**

|  |  |  |
| --- | --- | --- |
| Saponins | Retention time (min)\* | Content (μg/g extract d.b.) |
| Platycoside E | 14.246 | 942.32±97.97 |
| Platycodin D | 44.316 | 1597.14±21.71 |

**Supplementary Table S1**. Platycoside E and platycodin D contents of *Platycodon grandiflorum* extract. Retention times of standards (platycoside E and platycodin D) were 14.282 and 44.298 min, respectively.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Gene** | **Primer Sequence (5’→3’)** | **Gene Accession Number (Version)** | **Primer Name** | **Reference** |
| APP | F: AGG ACT GAC CAC TCG ACC AG | NM\_000484 (NM\_000484.4) | oIMR3610 | [1] |
| R: CGG GGG TCT AGT TCT GCA T | oIMR3611 |
| PSEN1 | F: AAT AGA GAA CGG CAG GAG CA | NM\_000021 (NM\_000021.4) | oIMR1644 | [2] |
| R: GCC ATG AGG GCA CTA ATC AT | oIMR1645 |

**Supplementary Table S2**. Gene-specific primer sequences used for the present study.

**References**

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