**Supplementary File 3** List of shRNA target sequence used in knock down experiment

|  |  |
| --- | --- |
| **Name** | **Target Sequence** |
| shID1 #1 | CCGGCCTACTAGTCACCAGAGACTTCTCGAGAAGTCTCTGGTGACTAGTAGGTTTTT |
| shID1 #2 | CCGGACTCGGAATCCGAAGTTGGAACTCGAGTTCCAACTTCGGATTCCGAGTTTTTT |
| shID2 #1 | CCGGCCCTTCTGAGTTAATGTCAAACTCGAGTTTGACATTAACTCAGAAGGGTTTTT |
| shID2 #2 | CCGGCCCACTATTGTCAGCCTGCATCTCGAGATGCAGGCTGACAATAGTGGGTTTTT |
| shBMPR1A | CCGGCGCCAATCTCATACAAGCCATCTCGAGATGGCTTGTATGAGATTGGCGTTTTT |