**Table S2.** Primer sequences used to determine transcription start sites of *NAGS* with 5’ RACE.Primers were designed according to manufacturer’s instructions and used to determine transcription start sites of human and mouse *NAGS* in liver and small intestine RNA using 5’ RACE.

|  |  |
| --- | --- |
| **Primer Name** | **Primer Sequence** |
| hNAGS-GSP1 | 5’- GACGGCGAAGGGCTTGT-3’ |
| hNAGS-GSP2 | 5’- GTCTGGAACTGCGTGAGCC-3’ |
| hNAGS-GSP2B | 5’- CGACGCACTGGTTCAGGA-3’ |
| mNAGS-GSP1 | 5’- CATGACGGCGAAGGGCTTGT-3’ |
| mNAGS-GSP2 | 5’- GGTAGCAGGTCTGGAATTGCGTG-3’ |
| mNAGS-GSP2B | 5’- CGATGAGCCAGTGGCGTGCTTC-3’ |