**Table S3** Genome-wide association studies identified some chromosome-wide significant associated variations for NTV1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Marker | Chr2 | | Pos3 | P-value | | Nearest gene | Var(%)4 |
| CASI0009146 | 12 | 28244736 | | 5.96E-06 | CA10 | | 3.36 |
| S14\_87796361 | 14 | 87796361 | | 1.32E-05 | BMPR1A | | 3.19 |
| S14\_87803851 | 14 | 87803851 | | 1.15E-05 | BMPR1A | | 3.33 |
| S14\_87859370 | 14 | 87859370 | | 2.33E-06 | BMPR1A | | 3.67 |
| S14\_87859377 | 14 | 87859377 | | 4.18E-06 | BMPR1A | | 3.48 |
| S14\_87900479 | 14 | 87900479 | | 6.61E-06 | BMPR1A | | 3.52 |

1NTV, number of thoracic vertebrae

2Chromosome

3Data from *Sus scrofa* Build 11.1

4Var(%), phenotypic variation explained by the SNP