**Supplementary Table S8** The eQTL results of candidate causal variants from GTEx data.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| SNP | Position | Nearby genes and annotation | Gene | Tissue site | *P* |
| rs10988451 | 101741666 | intron variant of COL15A1 | COL15A1 | Nerve\_Tibial | 3.07E-07 |
|  |  |  | COL15A1 | Cells\_Cultured\_fibroblasts | 1.08E-04 |
| rs7027650 | 101741969 | intron variant of COL15A1 | COL15A1 | Thyroid | 1.75E-04 |
| 　 |  |  | COL15A1 | Nerve\_Tibial | 3.41E-07 |
| 　 |  |  | COL15A1 | Cells\_Cultured\_fibroblasts | 9.78E-05 |
| rs7021675 | 101752965 | intron variant of COL15A1 | COL15A1 | Nerve\_Tibial | 1.20E-06 |
|  |  |  | COL15A1 | Cells\_Cultured\_fibroblasts | 1.77E-04 |
| rs4743305 | 101760026 | intron variant of COL15A1 | COL15A1 | Nerve\_Tibial | 2.35E-06 |
| rs1889268 | 101767961 | intron variant of COL15A1 | COL15A1 | Nerve\_Tibial | 1.33E-04 |
| rs7031588 | 101822302 | intron variant of COL15A1 | COL15A1 | Whole\_Blood | 3.63E-05 |
|  |  |  | COL15A1 | Cells\_EBV-transformed\_lymphocytes | 2.32E-07 |