### **Supplementary file 5. Inclusion and exclusion criteria of literature review.**

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|  | **Inclusion Criteria** | **Exclusion Criteria** |
| Patient Recruitment | Idiopathic scoliosis  Adolescent idiopathic scoliosis  Early-onset idiopathic scoliosis | Congenital scoliosis  Neuromuscular scoliosis  Syndromic scoliosis  Secondary scoliosis  Degenerative scoliosis |
| Study Type | Genome Wide Association Study (GWAS)  Meta-analysis of GWAS | Linkage study  Candidate gene study  Exome sequencing  Whole genome sequencing |
| Study Design | Case-control | - |