**Supplementary Tables 3.** Top ten hub genes of DEGs obtained by five algorithms of the cytoHubba plugin in Cytoscape software

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Catelogy** | **MCC** | **Radiality** | **Degree** | **EPC** | **Closeness** |
| Top 10 hub genes | **SLC22A7** | **SERPINA4** | **SLC22A7** | **SLC22A7** | **SLC22A7** |
| **CYP7A1** | **PON1** | **CYP7A1** | **CYP7A1** | **CYP7A1** |
| NR1I3 | SPP2 | **CYP4A11** | **CYP4A11** | **CYP4A11** |
| SLC51A | HGFAC | NR1I3 | NR1I3 | NR1I3 |
| **CYP4A11** | HPR | SLC51A | SLC51A | SLC51A |
| **PON1** | APOF | **PON1** | **PON1** | **PON1** |
| **SERPINA4** | **SLC22A7** | HPR | SLC22A1 | SLC22A1 |
| SPP2 | **CYP7A1** | APOF | AKR1D1 | AKR1D1 |
| HGFAC | **CYP4A11** | **SERPINA4** | **SERPINA4** | **SERPINA4** |
| HPR | MASP2 | SPP2 | HPR | CYP4F3 |

**Abbreviations:** MCC: Maximal cilque centrality; Degree: Node connect degree; EPC: Edge percolated component.