**Table S1**

Linkage disequilibrium between four SNPs of lncRNA HULC gene

|  |  |  |
| --- | --- | --- |
| **control** | 　 | **case** |
| D' | rs7770772 | rs1328868 | rs17144343 | 　 | **D'** | rs7770772 | rs1328868 | rs17144343 |
| rs1041279 | 0.922 | 0.885 | 0.562 | 　 | rs1041279 | 0.94 | 0.899 | 0.824 |
| rs7770772 |  -  | 0.908 | 0.605 | 　 | rs7770772 |  -  | 0.938 | 0.644 |
| rs1328868 |  -  |  -  | 0.152 | 　 | rs1328868 |  -  |  -  | 0.997 |
|  | 　 | 　 | 　 | 　 |  | 　 | 　 | 　 |
| **r2** | rs7770772 | rs1328868 | rs17144343 | 　 | **r2** | rs7770772 | rs1328868 | rs17144343 |
| rs1041279 | 0.173 | 0.455 | 0.03 | 　 | rs1041279 | 0.137 | 0.53 | 0.04 |
| rs7770772 |  -  | 0.097 | 0.007 | 　 | rs7770772 |  -  | 0.089 | 0.004 |
| rs1328868 |  -  |  -  | 0.001 | 　 | rs1328868 |  -  |  -  | 0.022 |