**Supplemental Table S2. UTR sequences information and the total number of variants of PICALM, SYNJ1 and SH3KBP1 genes.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Gene** | **Locus** | **Region** | **Length (nt)** | **Number of variants**  |
| ***PICALM*** | 5HSAR013622 | 5’UTR | 286 | 17 |
| 3HSAR015450 | 3’UTR | 1604 | 18 |
|  | **Total** | **35** |
| ***SYNJ1*** | 5HSAR059427 | 5’UTR | 125 | 0 |
| 3HSAR062660 | 3’UTR | 3046 | 278 |
|  | **Total** | **278** |
| ***SH3KBP1*** | 5HSAR053069 | 5’UTR | 316 | 3 |
| 3HSAR056203 | 3’UTR | 2452 | 79 |
|  | **Total** | **82** |