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| Supplementary Table 5. Potential functional significance of selected SNPs on the binding of exonic splicing enhancers (ESEs). |
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| Chromosome | Gene name | SNP | Splicing factors potentially affected a |
| 3 | TOPBP1 | rs17301766 | SRSF1, SRSF2 |
| 3 | TOPBP1 | rs11706586 | SRSF1, SRSF1(IgM-BRCA1), SRSF6 |
| 3 | TOPBP1 | rs7349558 | SRSF5, SRSF6 |
| 7 | HUS1 | rs10951937 | SRSF6 |
| 7 | RPA3 | rs4720751 | SRSF6 |
| 7 | RPA3 | rs17136898 | SRSF2, SRSF6 |
| 7 | XRCC2 | rs10234749 | SRSF1 |
| 7 | RPA3 | rs4720751 | SRSF6 |
| 7 | HUS1 | rs3176595 |  *-*  |
| 7 | HUS1 | rs2708896 |  *-*  |
| 10 | MGMT | rs12769288 | SRSF1, SRSF1(IgM-BRCA1), SRSF2 |
| 10 | MGMT | rs1762444 | SRSF1, SRSF1(IgM-BRCA1), SRSF2, SRSF6 |
| 10 | MGMT | rs12219606  | SRSF1(IgM-BRCA1), SRSF5 |
| 10 | MGMT | rs4750763 | SRSF6 |
| 10 | MGMT | rs10829618 |  *-*  |
| 10 | MGMT | rs4751112 | SRSF1(IgM-BRCA1) |
| 10 | MGMT | rs11016885 | SRSF1, SRSF1(IgM-BRCA1), SRSF6 |
| 11 | ALKBH3 | rs11037690 |  *-*  |
| 11 | ALKBH3 | rs10768994 |  *-*  |
| 11 | ALKBH3 | rs10768995 |  *-*  |
| 11 | ALKBH3 | rs868784 | SRSF1, SRSF1(IgM-BRCA1), SRSF5 |
| 11 | ALKBH3 | rs3893853 | SRSF6 |
| 11 | ALKBH3 | rs4755217 | SRSF1, SRSF1(IgM-BRCA1), SRSF5, SRSF6 |
| 11 | ALKBH3 | rs1973717 |  *-*  |
| 11 | ALKBH3 | rs12804822 | SRSF2 |
| 11 | ALKBH3 | rs3740983 |  *-*  |
| 11 | ALKBH3 | rs7482199 | SRSF1, SRSF1(IgM-BRCA1) |
| 11 | ALKBH3 | rs11037726 | SRSF2, SRSF5 |
| 11 | ALKBH3 | rs10838191 | SRSF5 |
| 12 | UBE2N | rs7968453 | SRSF1, SRSF1(IgM-BRCA1) |
| 13 | PARP4 | rs4770687 | SRSF2, SRSF6 |
| 13 | ERCC5 | rs4150355 | SRSF1(IgM-BRCA1) |
| 13 | ERCC5 | rs17655 | SRSF2, SRSF6 |
| 13 | ERCC5 | rs9586002 | SRSF1, SRSF1(IgM-BRCA1) |
| 13 | ERCC5 | rs1886087 | SRSF5 |
| 19 | LIG1 | rs251693 | SRSF1, SRSF5, SRSF6 |
| 19 | LIG1 | rs2288878 | SRSF2, SRSF5 |
| 19 | LIG1 | rs274897 | SRSF1, SRSF1(IgM-BRCA1) |
| 19 | LIG1 | rs2386523 |  *-*  |
| 19 | LIG1 | rs2163619 |  *-*  |
| 19 | LIG1 | rs274873 | SRSF1(IgM-BRCA1), SRSF2 |
| 19 | LIG1 | rs10421339 | SRSF1(IgM-BRCA1), SRSF2, SRSF5 |
| X | UBE2A | rs5910616 | SRSF1, SRSF2 |
| a ESEfinder was used to detect changes to putative ESE binding sequences between the two alleles of each SNP. |