

**Supplementary Table 1.** Annotation for the 2,713,317 variants detected by ANNOVAR

Variable	No. of SNP
Downstream	15,449
Exonic	16,069
Exonic; splicing	5
Intergenic	1,506,641
Intronic	983,956
ncRNA_exonic	7,619
ncRNA_exonic; splicing	3
ncRNA_intronic	146,933
ncRNA_splicing	48
Splicing	47
upstream	13,871
Upstream; downstream	418
UTR3	18,417
UTR5	3,833
UTR5; UTR3	8

ANNOVAR, ANNOtate VARIation; ncRNA, noncoding RNA; UTR, UnTranslated Region.