SNPs in miRNAs could disturb miRNA maturation or miRNA/mRNA interaction. Big terminal loop and stable double-strand of a RNA hairpin are two requirements for miRNA maturation and near perfect base complementarity between mature miRNA and 3'UTRs of target genes is very important for translating or cleave mRNA. According to it, a miRNA is divided into three segments: terminal loop, extension duplex and mature miRNA duplex and the effect of SNPs on the three segments is analyzed separately.