**miRanda 与TargetScan预测结果比较**

1. **关系对名字相同（值不同）**
2. **关系对出现**
3. **关系对消失**

**一步处理：miRNA与SM后变异UTR**

**D:\sSNP\Ei\_Data\miRanda\_targetScan\_compare\priUTR\miRanda\_targetScan\_compare\_priUTR.pl**

**D:\sSNP\Ei\_Data\miRanda\_targetScan\_compare\priUTR\priUTR.txt**

**二步处理：SM后变异miRNA与UTR**

**D:\sSNP\Ei\_Data\miRanda\_targetScan\_compare\priM\_UTR\miRanda\_targetScan\_compare\_priM\_UTR.pl**

**D:\sSNP\Ei\_Data\miRanda\_targetScan\_compare\priM\_UTR\priM\_UTR.txt**

**三步处理：****SM后变异miRNA与SM后变异UTR**

**D:\sSNP\Ei\_Data\miRanda\_targetScan\_compare\priM\_priUTR\miRanda\_targetScan\_compare\_priM\_priUTR.pl**

**D:\sSNP\Ei\_Data\miRanda\_targetScan\_compare\priM\_priUTR\priM\_priUTR.txt**

**四步处理：miRNA与SM后变异lncRNA**

**D:\sSNP\Ei\_Data\miRanda\_targetScan\_compare\prilncRNA\miRanda\_targetScan\_compare\_prilncRNA.pl**

**D:\sSNP\Ei\_Data\miRanda\_targetScan\_compare\prilncRNA\prilncRNA.txt**

**五步处理：SM后变异miRNA与lncRNA**

**D:\sSNP\Ei\_Data\miRanda\_targetScan\_compare\priM\_lncRNA\miRanda\_targetScan\_compare\_priM\_lncRNA.pl**

**D:\sSNP\Ei\_Data\miRanda\_targetScan\_compare\priM\_lncRNA\priM\_lncRNA.txt**

**六步处理：SM后变异miRNA与SM后变异lncRNA**

**D:\sSNP\Ei\_Data\miRanda\_targetScan\_compare\priM\_prilncRNA\miRanda\_targetScan\_compare\_priM\_prilncRNA.pl**

**D:\sSNP\Ei\_Data\miRanda\_targetScan\_compare\priM\_prilncRNA\priM\_prilncRNA.txt**

**七步处理：****由于SM导致miRNA-UTR结合有变化的关系对总数，TargetScan 和miRanda都预测到的变化对数**

**/pub4/xujuan/yangchangbo/Seve\_Data/miRanda\_targetScan\_compare\_mi\_UTR.pl**

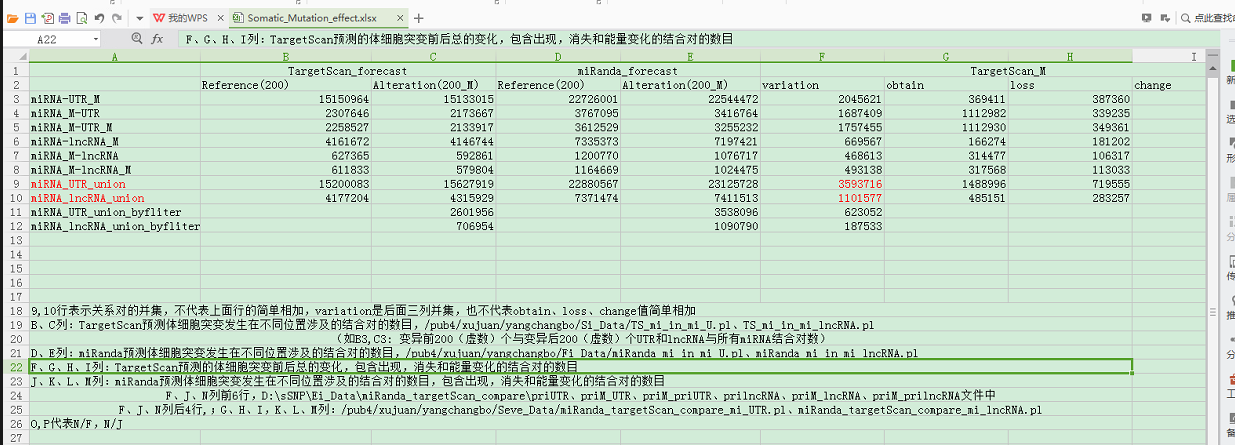
**/pub4/xujuan/yangchangbo/Seve\_Data/miRanda\_targetScan\_compare\_mi\_UTR.o41443**

**七步处理：由于SM导致miRNA-lncRNA结合有变化的关系对总数，TargetScan 和miRanda都预测到的变化对数**

**/pub4/xujuan/yangchangbo/Seve\_Data/miRanda\_targetScan\_compare\_mi\_lncRNA.pl**

**/pub4/xujuan/yangchangbo/Seve\_Data/miRanda\_targetScan\_compare\_mi\_UTR.o41443**

**预测数据比较结果D:\sSNP\Ei\_Data\Somatic\_Mutation\_effect.xlsx**



**统计所有关系对涉及的miRNA、基因（lncRNA、3’UTR）的数目**

**代码：**

**/pub4/xujuan/yangchangbo/Ei\_Data/Variation\_miR\_Target\_miR\_lncRNA\_UTR/Variation\_miR\_Target\_miR\_lncRNA\_UTR.pl**

