

表1 本文所用生物信息学工具及网页地址

Table 1 The bioinformatic tools and website addresses referred in this study

检索内容 Items	分析工具 Softwares
理化性质 Physicochemical Property	ProtParam: http://www.expasy.org/tools/protparam.html
亲/疏水性 Hydrophylic/Hydrophobic	ProtScale: http://cn.Expasy.org/tools/protscale.html
信号肽 Signal Peptide	SignalP 3.0 Server: http://www.Cbs.Dtu.dk/services/SignalP-3.0
跨膜区预测 Transmembrane Domain Prediction	TMHMM Server: http://www.cbs.dtu.dk/services/TMHMM/
亚细胞定位 Subcellular Localization	WoLFPSORT: http://psort.Hgc.jp
保守结构域 Conserved Domain	InterProScan: http://www.ebi.ac.uk/Tools/services/web/toolform.ebi?tool=iqrscan
二级结构预测 Secondary Structure Prediction	PSIPRED: http://bioinf.cs.ucl.ac.uk/psipred/
3D同源建模 3D Homology Modeling	3D-JIGSAW: http://bmm.cancerresearchuk.org/~3djigsaw/
系统发育分析 Phylogenetic Analysis	MRGA5.10: http://www.megasoftware.net/