表 2 蒺藜苜蓿和大豆同源蛋白一、二级结构预测信息

Table 2 Predicted information of the primary and secondary structure of homologous protein in *Medicago truncatula* and soybean

转录子名称 Transcript name	信号肽和跨膜区 Signal peptide and transmembrane segment	磷酸化位点预测 Phosphorylation predictions	二级结构预测 Secondary structure prediction	亚细胞定位 Subcellular localization
Medtr2g076670.2	无 No	Ser: 2; Thr: 15; Tyr: 8	α－螺旋、不规则盘绕和延伸链 Alpha helix, random coil, extended strand	核、微体、叶绿体类囊体膜、叶绿体基质 Nucleus, microbody (peroxisome), mitochondrial matrix space, lysosome (lumen)
Medtr8g463920.2	无 No	Ser: 23; Thr: 13; Tyr: 9	α－螺旋、不规则盘绕和延伸链 Alpha helix, random coil, extended strand	核、线粒体基质、微体、叶绿体类囊体膜 Nucleus, mitochondrial matrix space, microbody (peroxisome), mitochondrial inner membrane
Medtr2g092930.1	无 No	Ser: 28; Thr: 14; Tyr: 9	α－螺旋、不规则盘绕和延伸链 Alpha helix, random coil, extended strand	线粒体基质、微体、线粒体膜、线粒体膜间隙 Mitochondrial matrix space, microbody (peroxisome), mitochondrial inner membrane, mitochondrial intermembrane space
Medtr4g079860.1	无 No	Ser: 27; Thr: 17; Tyr: 6	α－螺旋、不规则盘绕和延伸链 Alpha helix, random coil, extended strand	线粒体基质、微体、线粒体膜、线粒体膜间隙 Mitochondrial matrix space, microbody (peroxisome)mitochondrial matrix space, lysosome (lumen)
Glyma.12G229400.1	无 No	Ser: 24; Thr: 14; Tyr: 9	α－螺旋、不规则盘绕和延伸链 Alpha helix, random coil, extended strand	核、线粒体基质、微体、叶绿体类囊体膜 Nucleus, mitochondrial matrix space, microbody (peroxisome), mitochondrial inner membrane
Glyma.12G161300.1	无 No	Ser: 24; Thr: 14; Tyr: 9	α－螺旋、不规则盘绕和延伸链 Alpha helix、random coil、extended strand	线粒体基质、微体、核、叶绿体类囊体膜 Mitochondrial matrix space、microbody (peroxisome)、nucleus、mitochondrial inner membrane
Glyma.06G229900.1	无 No	Ser: 26; Thr: 15; Tyr: 10	α－螺旋、不规则盘绕和延伸链 Alpha helix、random coil、extended strand	线粒体基质、微体、核、叶绿体类囊体膜 Mitochondrial matrix space、microbody (peroxisome)、nucleus、mitochondrial inner membrane
Glyma.12G210600.1	无 No	Ser: 26; Thr: 14; Tyr: 7	α－螺旋、不规则盘绕和延伸链 Alpha helix、random coil、extended strand	线粒体基质、微体、线粒体膜、线粒体膜间隙 Mitochondrial matrix space、microbody (peroxisome)mitochondrial inner membrane、mitochondrial intermembrane space
Glyma.06G277500.1	无 No	Ser: 28; Thr: 13; Tyr: 9	α－螺旋、不规则盘绕和延伸链 Alpha helix、random coil、extended strand	线粒体基质、微体、核、线粒体膜 Mitochondrial matrix space、microbody (peroxisome)mitochondrial inner membrane
Glyma.13G290700.1	无 No	Ser: 28; Thr: 13; Tyr: 9	α－螺旋、不规则盘绕和延伸链 Alpha helix、random coil、extended strand	线粒体基质、微体、线粒体膜、线粒体膜间隙 Mitochondrial matrix space、microbody (peroxisome)mitochondrial inner membrane、mitochondrial intermembrane space