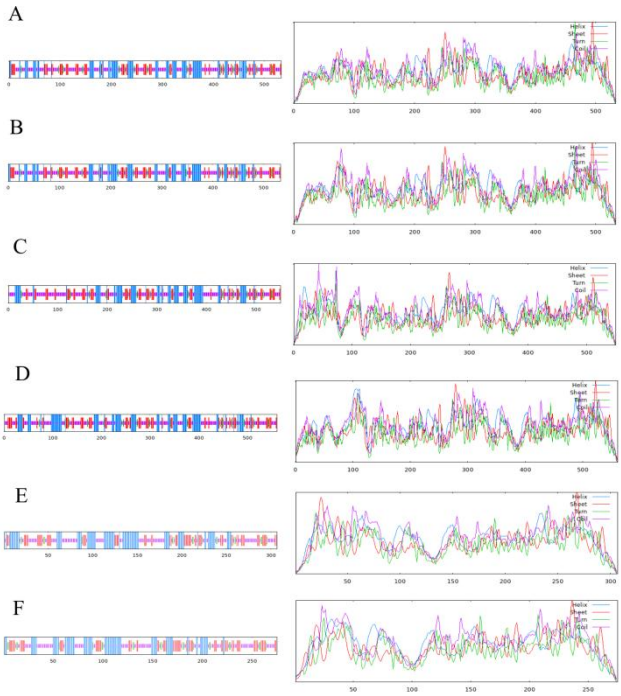
附件:

附表 1 本研究相关引物序列

Table 1 The primer sequences related to this study

引物名称 Primer name	引物序列（5′→3′） Prime sequence（5′→3′）	引物类型 Primer type
DoAGPL1-Q-F	TGCTGCCCTCATTTTCGCTA	实时荧光定量 PCR 引物 Real-time PCR primers
DoAGPL1-Q-R	TTGATGTCCCATCACTGGCC	
DoAGPL2-Q-F	GCAGCAACTCAAACACCTGG	
DoAGPL2-Q-R	CTTGGTGTCCTCGAAGACCC	
DoAGPL3-Q-F	CGGGCATCTGACTGTGGATT	
DoAGPL3-Q-R	CCAAATCAGCACCTTTCGGC	
DoAGPL4-Q-F	TGCTGGGGTTTTGGTTATGT	
DoAGPL4-Q-R	AGTGCTTTTCCTTCACCGGT	
DoAGPL5-Q-F	AGTGAAGGCCTGTGCTTTGT	
DoAGPL5-Q-R	TGGTGCCATTGCTTCTCCAT	
DoAGPL6-Q-F	GATCGATCTCTCGCTGGCAA	
DoAGPL6-Q-R	GCCGGCGAAACAAGAAGAAG	
UBQ-F	GGGCTTTCAAGGTCGTC	内参基因 Reference genes
UBQ-R	TGAAGGGTTTGCTCATCC	
DoAGPL1-SF	GGGGTACCCCATGATCATGGGGAGTTTGGTG	瞬时表达载体引物 Transient expression vector primers
DoAGPL1-SR	GCTCTAGAGCTATGATGGTGCCGTCCTTGAT	
PPR3-N-F	CGGTAAAACCGGAACATTGGA	AD 载体 AD carriers
PPR3-N-R	ACTTCAGGTTGTCTAACTCCT	
AGPL-YF	GCCAAAATATCTGCAATGGCCATTACGGCCATGATCATGGGGAGTTTGGTG	诱饵载体构建 Construction of bait carriers
AGPL-YR	CGAATTCCTGCAGATGGCCGAGGCGGCCTTTATGATGGTGCCGTCCTTGAT	
AGPS-YF	TACGATGTTCCAGATTACGCTGGATCCATGGCGATGACCTCC	
AGPS-YR	GGTATCGATAAGCTTGATATCGAATTCTTAGATGACAGTTCCACTGGGGATCAA	
MADS-YF	TACGATGTTCCAGATTACGCTGGATCCATGACAAGGGAAAAGATGAAG	
MADS-YR	GGTATCGATAAGCTTGATATCGAATTCTCATGGTAAGCCGAGTTTAAG	
AGPL-BF	GGTACCATGATCATGGGGAGTTTGGTG	双分子荧光互补实验 Bimolecular fluorescence complementarity experiment
AGPL-BR	GAGCTCCCTTATGATGGTGCCGTCCTTGAT	
AGPS-BF	ACTAGTATGGCGATGACCTCCTCCATC	
AGPS-BR	CTTAAGTTAGATGACAGTTCCACTGGGGAT	
MADS-BF	GGACTAGTATGACAAGGGAAAAGATGAAG	
MADS-BR	GAGCTCTCATGGTAAGCCGAGTTTAAGTGA	

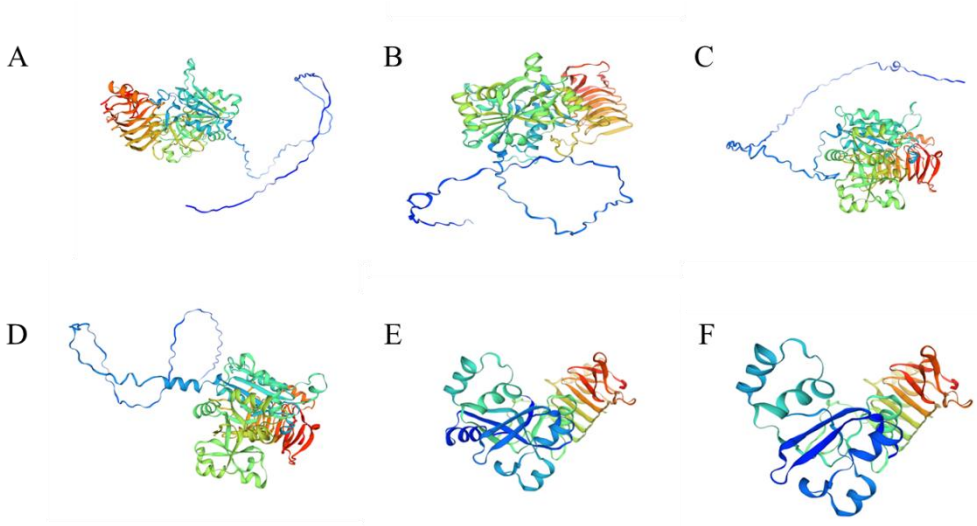


蓝色：α-螺旋；红色：延伸链；紫色：延伸链；A，B，C，D，E，F 分别为 DoAGPL1，DoAGPL2，DoAGPL3，DoAGPL4，DoAGPL5，DoAGPL6 蛋白质二级结构预测

Blue. Alpha helix; Red. Extended strand;;Purple.Random coil; A, B, C, D, E, and F respectively represent the secondary structure predictions of DoAGPL1, DoAGPL2, DoAGPL3, DoAGPL4, DoAGPL5, and DoAGPL6 proteins

附图 1 DoAGPLs 蛋白质二级结构预测

Fig.1 Prediction of the secondary structure of the DoAGPLs protein

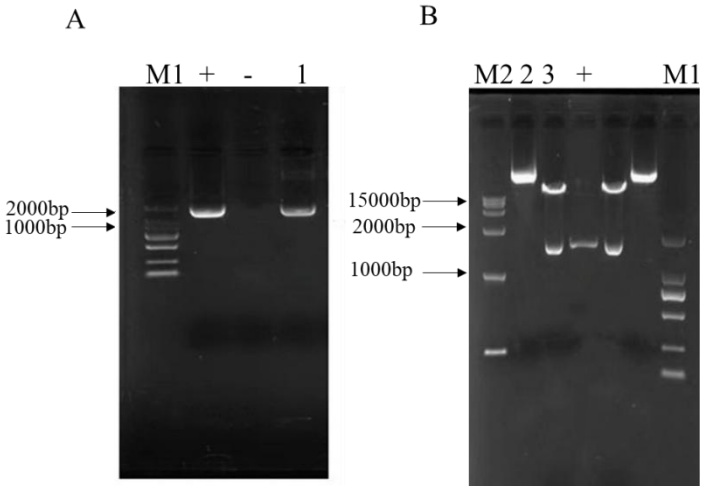


A，B，C，D，E，F 分别为 DoAGPL1，DoAGPL2，DoAGPL3，DoAGPL4，DoAGPL5，DoAGPL6 蛋白质三级结构预测

A, B, C, D, E, F represent the protein tertiary structure predictions of DoAGPL1, DoAGPL2, DoAGPL3, DoAGPL4, DoAGPL5, and DoAGPL6 respectively

附图 2 DoAGPLs 蛋白质三级结构模型预测

Fig.2 Prediction of tertiary structure model of the DoAGPLs protein



A：CaMV35S-DoAGPL1 质粒 PCR 图；M1：DL2 000 DNA 标记；+：阳性对照；-：阴性对照；1：PCR 扩增产物；

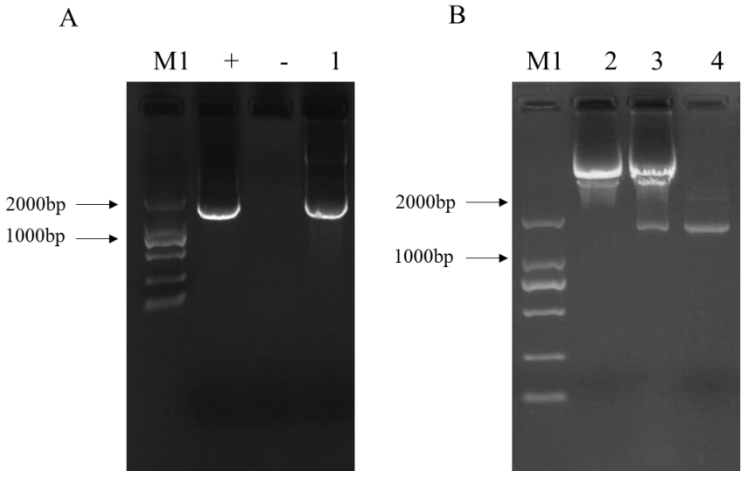
B：CaMV35S-DoAGPL1 质粒双酶切图；M2：DL15 000 DNA 标记；+：阳性对照，2：重组质粒；3：酶切鉴定

A: CaMV35S-DoAGPL1 plasmid PCR map; M1: DL2 000 DNA marker; +: positive control; -:Negative control; 1: PCR amplification product;

B: CaMV35S-DoAGPL1 plasmid double enzyme cleavage map; M2: DL15 000 DNA marker; +: positive control; 2:recombinant plasmid; 3: enzyme digestion identification

附图 3 PCR 和双酶切法检测瞬时表达载体 CaMV35S-*DoAGPL1*

Fig.3 Detection of transient expression vector CAMV35S-*DoAGPL1* by PCR and double digestion



A：pBT3-SUC-DoAGPL1 质粒 PCR 图；M1：DL2 000 DNA 标记；+：阳性对照；-：阴性对照；1：PCR 扩增产物；

B：pBT3-SUC-DoAGPL1 质粒双酶切图；2：重组质粒；3：酶切鉴定；4：阳性对照

A: pBT3-SUC-DoAGPL1 plasmid PCR map; M1: DL2 000 DNA marker; +: Positive control; -:Negative control; 1: PCR amplification product;

B: pBT3-SUC-DoAGPL1 plasmid double enzyme cleavage map; 2: Recombinant plasmid; 3: Enzyme digestion identification; 4: Positive control

附图 4 诱饵载体构建质粒 PCR 及双酶切鉴定

Fig. 4 Decoy vector construction, plasmid PCR and double enzyme digestion identification