

ABA biosynthesis

	40DAA	76DAA	110DAA
MD07G1011500		*	
MD10G1194200	*	*	
MD10G1261000			
MD13G1090300	*		
MD14G1105700	*	*	*
MD16G1090700	*	*	
MD02G1309500			
MD02G1309600			
MD02G1309700			
MD13G1090100			
MD13G1090200			

(9-CIS-EPOXYCAROTENOID DIOXYGENASE) *NCED*

ABA-insensitive-like proteins

MD02G1043600			
MD07G1129600			
MD15G1182100			
MD01G1073200			

ABI-1 and ABI-2

ABA RECEPTORS

PP2C

SNF-1 RELATED PROTEIN KINASES

ABA receptors proteins

MD01G1078900			
MD01G1216100			
MD03G1292500	*	*	*
MD06G1034000			
MD07G1147700			
MD07G1286000			
MD13G1160700	*	*	*
MD13G1160900	*		*
MD13G1161700		*	*
MD16G1160100			*

TYPE 2C PROTEIN PHOSPHATASES (PP2Cs)

MD01G1139200	*	*	*
MD03G1085400			
MD07G1203700			
MD07G1291000	*	*	*
MD11G1093100	*		*
MD13G1061100			
MD01G1220800	*	*	*

SNF1-RELATED PROTEIN KINASES

MD01G1035000	*		*
MD02G1166500	*	*	*
MD04G1054400	*	*	*
MD08G1187200	*	*	*
MD08G1236500			
MD10G1088700			
MD15G1279000	*	*	
MD15G1321000	*		
MD15G1373000			
MD15G1428500			*
MD17G1275100			

Drought and other stress factors

Abscisic acid (ABA)

Signalling pathways

Signalling pathways

ABA-responsive element-binding factors

ABA-responsive genes

KIN2
RD29
RD22
RAB DEHYDRINS

Drought-related and ABA responsive

MD02G1139700	*		
MD02G1139900	*	*	
MD02G1140000	*	*	*
MD02G1140100	*	*	*

Known ABA-responsive genes

MD15G1219500	*	*	*
MD15G1098800	*	*	*
MD07G1268800	*	*	*
MD09G1079600	*	*	*

ABA responsive elements-binding factor

MD03G1264200			
MD05G1082000			*
MD08G1099600			*
MD13G1188000			
MD14G1021600			
MD15G1081800			*
MD16G1188600			

ABA-independent transcription factors

ABA-induced transcription factors

MYB16/106

MYB15?

MYB17

MdSHN3

HDG1

MYB30

MYB94

MYB96

MYB41

MYB107/MYB9

NAC46

MYB39

MdMYB93

Cutin Synthesis genes

Wax Synthesis genes

Suberin Synthesis genes

ABA induced TF

Cutin

MD15G1124900	*	*	*
MD09G1051000		*	
MD07G1127600	*	*	*
MD07G1266200	*	*	*
MD01G1050200	*		
MD01G1198100		*	*
MD16G1218000		*	
MD16G1218900		*	
MD17G1086700		*	
MD04G1229300			*
MD05G1197600			*
MD09G1098600	*	*	*
MD10G1305700	*	*	*

ABA induced TF

Wax

MD17G1050900	*	*	*
MD06G1192900	*	*	*
MD14G1200100	*	*	*
MD09G1054000	*	*	*
MD01G1054800	*	*	*
MD17G1051700	*	*	*

Putative suberin and ABA-related genes

MD15G1204700	*	*	*
MD09G1183800	*	*	*
MD13G1026400	*	*	*
MD10G1124100	*	*	*
MD02G1191000	*	*	*
MD16G1010100	*	*	*
MD13G1013200	*	*	*
MD02G1076300	*	*	*
MD10G1304600	*	*	*
MD05G1239200	*	*	*
MD04G1092400	*	*	*
MD05G1011100	*	*	*
MD10G1010900	*	*	*



-4.3

log2FC

4.3