

**Table S4:** Non-redundant AcGASAS gene IDs associated with the syntenic relationships among pineapple and the other 5 species

Ananas comosus-Arabidopsis thaliana	Ananas comosus-Oryza sativa	Ananas comosus-Vitis vinifera	Ananas comosus-Zea mays	Ananas comosus-Nicotiana tabacum
AcGASA2	AcGASA2	AcGASA1	AcGASA3	AcGASA15
AcGASA6	AcGASA5	AcGASA2	AcGASA6	
AcGASA15	AcGASA6	AcGASA6	AcGASA7	
	AcGASA7	AcGASA9	AcGASA10	
	AcGASA10	AcGASA10		
	AcGASA14	AcGASA11		
	AcGASA15	AcGASA12		
		AcGASA15		