

Table 1 Name list of identified ASAT proteins from 9 tested plant species

Plant species	Protein ID of NCBI	Protein name	Plant species	Protein ID of NCBI	Protein name	Plant species
	XP_025642946.1	AhASAT1		XP_003534825.1	GmASAT2	
	XP_025687047.1	AhASAT2		XP_006586110.1	GmASAT3	
	XP_025626860.1	AhASAT3		NP_001304471.2	GmASAT4	
	XP_025688598.1	AhASAT4		XP_003530769.2	GmASAT5	<i>Sorghum bicolor</i>
	RYR79873.1	AhASAT5		XP_003530770.1	GmASAT6	
	RYR79871.1	AhASAT6		NP_001240009.1	GmASAT7	
	XP_025629805.1	AhASAT7	<i>Glycine max</i>	XP_014625754.1	GmASAT8	
<i>Arachis hypogaea</i>	XP_025613083.1	AhASAT8		XP_006603172.1	GmASAT9	
	XP_025645988.1	AhASAT9		XP_014625980.1	GmASAT10	
	XP_025694018.1	AhASAT10		XP_006602175.1	GmASAT11	<i>Sesamum indicum</i>
	RYR00612.1	AhASAT11		ACU22791.1	GmASAT12	
	XP_025668812.1	AhASAT12		KRG98638.1	GmASAT13	
	QHN90994.1	AhASAT13		KRG98662.1	GmASAT14	
	XP_025608479.1	AhASAT14		KRG98660.1	GmASAT15	
	RYR28133.1	AhASAT15		XP_016453487.1	NtASAT1	
	QHO37416.1	AhASAT16		XP_016453488.1	NtASAT2	<i>Solanum lycopersicon</i>
	QHO26646.1	AhASAT17		XP_016453485.1	NtASAT3	
	XP_013663174.1	BnASAT1	<i>Nicotiana tabacum</i>	XP_016506397.1	NtASAT4	
	XP_013698964.1	BnASAT2		XP_016499306.1	NtASAT5	
	XP_013659822.1	BnASAT3		XP_016504134.1	NtASAT6	
	XP_013698974.1	BnASAT4		XP_016463428.1	NtASAT7	
	XP_013654655.1	BnASAT5		XP_015624132.1	OsASAT1	
	XP_013711394.1	BnASAT6		XP_015634629.1	OsASAT2	
	XP_013685657.1	BnASAT7		KAF2934556.1	OsASAT3	
<i>Brassica napus</i>	XP_013714610.1	BnASAT8		XP_015634567.1	OsASAT4	
	XP_013680812.1	BnASAT9		KAF2933153.1	OsASAT5	
	XP_013652138.1	BnASAT10		XP_015635081.1	OsASAT6	
	XP_013665788.1	BnASAT11	<i>Oryza sativa</i>	EAZ22913.1	OsASAT7	<i>Zea mays</i>
	CDY17327.1	BnASAT12		KAF2923240.1	OsASAT8	
	CDY12004.1	BnASAT13		XP_025882516.1	OsASAT9	
	CDY36739.1	BnASAT14		KAF2944735.1	OsASAT10	
	CDY20770.1	BnASAT15		EAZ12916.1	OsASAT11	
	CDY20768.1	BnASAT16		XP_015647081.1	OsASAT12	
	CDY20766.1	BnASAT17		XP_015625046.2	OsASAT13	
<i>Glycine max</i>	XP_003534380.1	GmASAT1		EAZ22980.1	OsASAT14	