

Table 1. Previously reported genes of citrulline in other crops

Enzyme	Gene	Species	Accession Numbers
N-acetylglutamate synthase N- NAGS	<i>At2g22910</i> , <i>At4g37670</i>	Arabidopsis	NM_127856.3, NM_119930.2, NM_202972
	<i>SINAGS1</i>	Tomato	FJ543466
N-acetylglutamate kinase N- NAGK	<i>AT3G5756</i> <i>0</i>	Arabidopsis	NM_115616
N-acetylglutamate 5- phosphate reductase N- NAGPR	<i>At2g19940</i>	Arabidopsis	NM_179662, NM_127552
N-acetylornithine transaminase N- NAOAT	<i>At1g80600</i>	Arabidopsis	NM_179662, NM_127552
		Arabidopsis	NM_106708.3
Glutamate N-acetyltransferase GAT	<i>At1g80600</i>	Watermelon	AB212224
		Corn	NM_001157974, NM_001154095
N-acetylornithine deacetylase N- NAOD	<i>At4g17830</i>	Arabidopsis	NM_117892.5
Ornithine carbamoyltransferase OTC	<i>At1g75330</i>	Arabidopsis	NM_106187.3
Argininosuccinate synthase ASS	<i>AT4G2483</i> <i>0</i>	Arabidopsis	NM_001125575.1, NM_118616.4
Argininosuccinate lyase ASL	<i>At5g10920</i>	Arabidopsis	NM_121130.2
Arginase	<i>ARGAHL</i> , <i>ARGAH2</i>	Arabidopsis	NM_116959
	<i>LeARG1</i> , <i>LeARG2</i>	Tomato	NM_001247649, NM_001246922