

Table S6. List of *Agave americana* genes that have homologs in other three independent CAM lineages but not in 21 non-CAM plant species.

Gene ID	Functional description
Aam366668	Unknown
Aam074797	Unknown
Aam052521	light-regulated zinc finger protein, B-box domain protein
Aam052525	light-regulated zinc finger protein, B-box domain protein
Aam052527	light-regulated zinc finger protein, B-box domain protein
Aam344359	light-regulated zinc finger protein, B-box domain protein
Aam301242	Unknown
Aam073892	nucleolin like protein
Aam304970	nuclear factor Y like protein
Aam213899	CLAVATA3/ESR-RELATED protein
Aam009930	global transcription factor group E7 protein
Aam047295	GATA transcription factor 11 like protein
Aam082065	histone deacetylase like