

Table 1 Percentage of NCBI accessions matching our putative carotenoid gene sequences using BLASTn algorithm in NCBI

Target Genes	Total # of Blast Hits	# Hitting target	# not Hitting target	% Blast Hits
HYD1	152	125	27	82
PSY1	125	111	14	88
LYCE	177	130	47	73
LYCB	100	92	8	92