

Additional file 1: The length distribution of control unigene, phenylalanine treated unigene and All Unigene. All Unigene is longer sequence unigene that derived from combining both control and phenylalanine treated unigene.

	Control Unigene		Phenylalanine treated Unigene		All Unigene	
Length of Nucleotide (nt)	Number of Unigene	Percentage (%)	Number of Unigene	Percentage (%)	Number of Unigene	Percentage (%)
100-500nt	52,700	66.71	52,923	68.25	63,640	62.98
500-1000nt	16,659	21.09	16,728	21.57	22,411	22.18
1000-1500nt	5,051	6.39	5,129	6.61	7,876	7.79
1500-2000nt	2,288	2.90	1,905	2.46	3,722	3.68
>=2000nt	2,300	2.91	856	1.10	3,394	3.36
Total	78,998		77,541		101,043	