

Table S1. Experimental design for RNA sequencing and validation of almond flower buds: Samples (15 flower buds/tree/cultivar) from three cultivars with contrasting flowering time and chilling requirement (highlighted) were selected for RNA extraction and sequencing (A, AB, B) collected on Season 1 dates indicated. Samples collected during Season 2 were used together with those from Season 1 for RNA-seq validation by qRT-PCR. Million reads and reads counted (%) per sequenced sample. CP: Chill Portions.

Cultivar	Flowering time (date)		Flower bud samples		Chill accumulated (CP)		RNAseq output data (Season 1)	
	Season 1	Season 2	State	Sampling date (Season 1)	Season 1	Season 2	Million reads	% reads counted
Desmayo Langueta			A	11/10/2015	0	5.0	106.2	73.6
Desmayo Langueta	January 28th	January 27th	A-B	12/1/2015	7.1	9.1	121.3	73.4
Desmayo Langueta			B	12/21/2015	16.1	20.1	108.3	74.5
Penta			A	11/10/2015	0	5.0	91.9	76.8
Penta	February 10th	February 2nd	A-B	1/12/2016	25	29.2	115	74.3
Penta			B	2/10/2016	41.2	53.8	96.9	74.6
Tardona			A	11/10/2015	0	5.0	90	75.4
Tardona	February 23rd	February 10th	A-B	2/10/2016	41.2	44.8	105.3	74.4
Tardona			B	3/1/2016	49.2	60.6	99.5	75.3