

Table 2 Analysis of flowering related genes in *Prunus sibirica*

Pathway	Gene name	Gene number	Log2Fold Change	Expression pattern	
Vernalization pathway	<i>VRNI</i>	PaF106G0102070100.01	2.35	Up regulation	
		PaF106G0201672600.01	2.00	Up regulation	
		PaF106G0302624700.01	1.31	Up regulation	
		PaF106G0705228000.01	1.64	Up regulation	
		PaF106G0705462700.01	2.21	Up regulation	
		PaF106G0705477300.01	2.51	Up regulation	
		PaF106G0806086400.01	3.08	Up regulation	
	<i>VIN3</i>	PaF106G0100185000.01	-1.37	Down regulation	
	<i>FLC</i>	PaF106G0302119700.01	2.03	Up regulation	
	<i>FRI</i>	PaF106G0604870000.01	-2.02	Down regulation	
Autonomous pathway	<i>FCA</i>	PaF106G0202701800.01	1.47	Up regulation	
		PaF106G0505946700.01	2.52	Up regulation	
		PaF106G0505995000.01	1.72	Up regulation	
		PaF106G0809510300.01	1.49	Up regulation	
	<i>FY</i>	PaF106G0201276000.01	1.04	Up regulation	
Photoperiod pathway	<i>PHYA</i>	PaF106G0604806300.01	1.46	Up regulation	
		PaF106G0302685900.01	-1.26	Down regulation	
	<i>KFK1</i>	PaF106G0100756800.01	-1.17	Down regulation	
	<i>PIF</i>	PaF106G0302394200.01	1.22	Up regulation	
	<i>LHY</i>	PaF106G0201823200.01	-5.92	Down regulation	
	<i>CO</i>	PaF106G0100204300.01	-1.68	Down regulation	
		PaF106G0202060300.01	2.52	Up regulation	
		PaF106G0202629300.01	-2.88	Down regulation	
		PaF106G0302309800.01	-6.38	Down regulation	
		PaF106G0302360000.01	-1.30	Up regulation	
		PaF106G0604216800.01	-2.83	Down regulation	
		PaF106G0604297000.01	-1.46	Down regulation	
		<i>COPI</i>	PaF106G0202021100.01	-3.14	Down regulation
		PaF106G0403474200.01	-2.25	Down regulation	
		PaF106G0503637400.01	-1.03	Down regulation	
	<i>bZIP(FD)</i>	PaF106G0101404500.01	2.09	Up regulation	
	<i>NF-Y</i>	PaF106G0705088200.01	1.01	Up regulation	
Temperature pathway	<i>SVP</i>	PaF106G0806097200.01	2.88	Up regulation	
		PaF106G0604585100.01	2.47	Up regulation	
Gibberellin pathway	<i>GAI</i>	PaF106G0302116300.01	-7.91	Down regulation	
Integration factor	<i>SOCI</i>	PaF106G0202010400.01	2.14	Up regulation	
		PaF106G0503901800.01	1.17	Up regulation	
	<i>FT</i>	PaF106G0604935800.01	1.40	Up regulation	
	<i>LFY</i>	PaF106G0503884500.01	3.84	Up regulation	