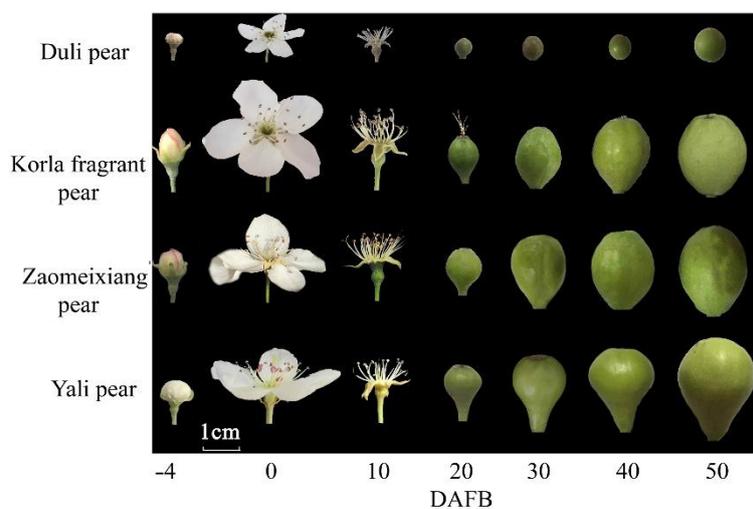
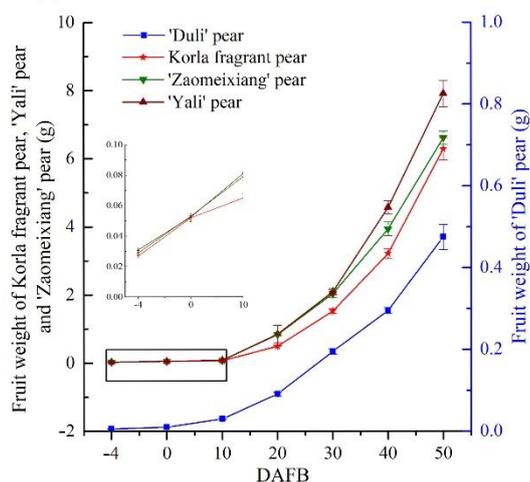


Attachment

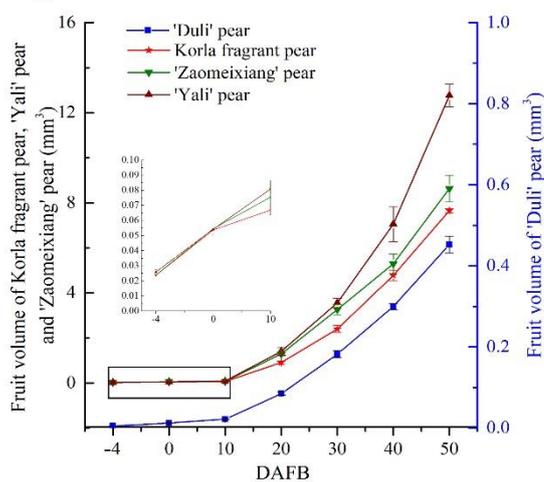
A



B



C



**Figure S1.** Fruit size variation in pears. (A) Fruit growth patterns of the pears. The (B) and (C) pictures present fruit weight and volume in 'Duli' pear, Korla fragrant pear, 'Zaomeixiang' pear, and 'Yali' pear, which were measured at different sampling periods. The insets in (B) and (C) present magnified views of the fruit weight and volume during early fruit development. The vertical bars represent the standard error of triplicate experiments.

**Table S1.** Plant materials used in this study and their characteristic fruit size and maturation period.

No.	Cultivar	Fruit size	Maturation period	Species name
Domesticated cultivar				
1	Korla fragrant pear	Medium	Late	<i>Pyrus sinkiangensis</i> Yü
2	'Zaomeixiang' pear	Medium	Middle	<i>Pyrus sinkiangensis</i> Yü
3	'Yali' pear	large	Late	<i>Pyrus bretschneideri</i> Rehd. 'Yali'
Wild cultivar				
4	'Duli' pear	Small	Middle	<i>Pyrus betulifolia</i> Bunge

Large, large fruit cultivars (>200 g f. wt); Medium, medium fruit cultivars (80–200 g f. wt); Small, small fruit cultivars (<10 g f. wt).

**Table S2.** Sequence of primers used in the experiment.

Gene name	Primer name	Primer sequence (5'→3')
<i>TUB2</i>	<i>TUB2 F</i>	TGGGCTTTGCTCCTCTTAC
	<i>TUB2 R</i>	CCTTCGTGCTCATCTTACC
<i>PbFW1</i>	<i>PbFWL 1 F</i>	AGACATGAGCTCGCACAGTG
	<i>PbFWL 1 R</i>	CAAGATGTAGAACCCTTATCC
<i>PbFW2</i>	<i>PbFWL 2 F</i>	ACCTCCACCAACATGTCGAT
	<i>PbFWL 2 R</i>	CACTTTGGGAGCTCATGTCT
<i>PbFW3</i>	<i>PbFWL 3 F</i>	CATCCITGCTTGCTTGGCC
	<i>PbFWL 3 R</i>	AAACGTCCCAGGAGCAGATC
<i>PbFW4</i>	<i>PbFWL 4 F</i>	TTCTGGCAAGCAATTCGAG
	<i>PbFWL 4 R</i>	CCATTACCACCGCCATTAC
<i>PbFW5</i>	<i>PbFWL 5 F</i>	AGCACAGGGAGATGAGGAAC
	<i>PbFWL 5 R</i>	GCTTCAGCGTCCTTCTTCTC
<i>PbFW6</i>	<i>PbFWL 6 F</i>	TCCCACACATCCACCAAGAA
	<i>PbFWL 6 R</i>	TTGTGCCAAGAGTATAGACATCT
<i>PbFW7</i>	<i>PbFWL 7 F</i>	TGTGTCCATTGCTTGCTTCC
	<i>PbFWL 7 R</i>	TATGGAGGTGCAGGGTTTCC
<i>PbFW8</i>	<i>PbFWL 8 F1</i>	AGTTGCTGTGACGACCTTCT
	<i>PbFWL 8 R1</i>	TTCCGTGGCAACCTTCAAAG

<i>PbFW9</i>	<i>PbFWL 9 F</i>	GATCGGGAACCTGTTGGAGC
	<i>PbFWL 9 R</i>	ACAGATAGCTCCGGTCTTGG
<i>PbFW10</i>	<i>PbFWL 10 F</i>	ACAGTGAAGACACTCCCATG
	<i>PbFWL 10 R</i>	ACCTACACAACAGCTCTGCA
<i>PbFW11</i>	<i>PbFWL 11 F</i>	GATCGGGAACCTGTTGGAGC
	<i>PbFWL 11 R</i>	ACAGATAGCTCCGGTCTTGG
<i>PbFW13</i>	<i>PbFWL 13 F1</i>	TGTCCATGCGTTCTGTTGG
	<i>PbFWL 13 R1</i>	CCAGAGCCATACCACCTTCA
<i>PbFW14</i>	<i>PbFWL 14 F1</i>	TGAAGGTGGTATGGCTCTGG
	<i>PbFWL 14 R</i>	TCCCACACATCCACCAAGAA

**Table S3.** List of the putative motifs of *PbFWL* proteins.

Motif	Width	Best possible match
1	27	YTCLYRSKLRKKYHLZESPCDDCLTH
2	18	HWCALCQEYRELKNRLSD
3	50	DDTPWNRPCICHAVCIEGGMALAALTAIFHGVDPRTSFLICEGLLFSWWM
4	15	TGLFCPCVLFGRNAE
5	50	DIKPGELNQPIEVQQLNVHRCHECGQPLPESYQPPGDEPWTTGIFGCAED
6	41	NAVMPMTVVNPPVQVMKSADDKQDSASFSTNNNGHTDME

**Table S4.** *Ka/Ks* value of homologous *PbFWL* genes pair.

Gene Name	Gene Name	Ka	Ks	Ka/Ks	Duplicated Type	Purify Selection	Time (Mya)
<i>PbFWL1</i>	<i>PbFWL2</i>	0.087	0.119	0.729	Tandem	Yes	3.967
<i>PbFWL10</i>	<i>PbFWL11</i>	0.042	0.175	0.238	Segmental	Yes	5.833
<i>PbFWL13</i>	<i>PbFWL14</i>	0.023	0.136	0.172	Segmental	Yes	4.533
<i>PbFWL12</i>	<i>PbFWL14</i>	0.028	0.139	0.2	Segmental	Yes	4.633
<i>PbFWL12</i>	<i>PbFWL13</i>	0.005	0.02	0.268	Segmental	Yes	0.667
<i>PbFWL3</i>	<i>PbFWL4</i>	0.038	0.231	0.165	Segmental	Yes	7.700