

Table S1. Primers used for quantitative real-time polymerase chain reaction in this study

Gene	Primer F	Primer R	Gene ID in loquat genome or reference
<i>Actin</i>	AATGGAACTGGAATGGTCAAGGC	TGCCAGATCTTCTCCATGTCATCCCA	
<i>PEPC2</i>	GTGGTTCTTGGAATGTAA	GAAGTGTCTAGCAATCC	
<i>NAD-MDH</i>	CTGGTGTCTTCTATGATA	TCTCTTCTGGATAAGTTC	
<i>NADP-ME2</i>	GAATACCATCCGACAATA	ACATTATCAACGAGAAGT	-
<i>VHA-A</i>	TGAAGGAGGTGATAGACA	ACTGCGGACATTATTATACT	
<i>VHP1</i>	CATCTTCGTTGGTGTATT	TTGCCTGTGTTATATGTG	
<i>PEPC</i>	GTGATGTTCCCAAGACTGAA	TCTCAAACAATGGAACAACC	<i>Ej00033952</i>
<i>NADP-ME</i>	GAGTGTCTCGGTTGCTAGTG	ACTTCTGCAGTGGAACCTGA	<i>Ej00091189</i>
<i>NADP-ME4</i>	ACACCACAACAAAGGTCTTG	ACTTCTGCAGTGGAACCTGA	<i>Ej00076553</i>
<i>CS</i>	TTCCAGAATGCCAGAAAGTA	ACTACAGCACGAGTCCTCAA	<i>Ej00032441</i>
<i>ATP-CS α1</i>	GTGAAGCCTGACATGTTGTT	AACTCTTCATTGTGGGGAAT	<i>Ej00011370</i>
<i>ATP-CS α2-1</i>	GTGAGCTTTTCAGAGTGTGG	CTGGAATACAGCAAATACGC	<i>Ej00094058</i>
<i>ATP-CS β2</i>	TGGAAGCTGCTATCAAGGAA	GTTCCCTCACCTCTGTCATCA	<i>Ej00074816</i>
<i>ACO</i>	ATATCTTGGACGGGTTGTTT	TTCAGCTTCAATACCTCCAA	<i>Ej00088565</i>
<i>NAD-IDH1</i>	AACATTATGAAGCTGGCTGA	AACGAGTTGCATACAGCAAT	<i>Ej00095950</i>
<i>NAD-IDH5</i>	AGTGGTGAGAGGTGTTGTTG	GCTTTGTGAATTGCAGAGAC	<i>Ej00051965</i>
<i>tDT2</i>	GAAGTTGATGGACTGGAACA	GGGCTTTCGATAAAATGTCT	<i>Ej00066741</i>
<i>VHA-A3</i>	TGTTTGTACTTGCGACCTT	AACGGGACAGAGAAGAACTC	<i>Ej00009754</i>
<i>VHA-B2-1</i>	GACAACTTTGCCATTGTGTT	TCAATTGTAGGGTCATTTGC	<i>Ej00095876</i>
<i>VHA-B2-2</i>	AAAATCCCACTTTTCTCTGC	AATCCCGTTTAAAGAACTGC	<i>Ej00010503</i>
<i>VHA-C</i>	AGAACAAGTGCTCGTGAAAA	AAACCTCCCCATAACTGGTA	<i>Ej00016657</i>
<i>VHA-D2</i>	CGACAAGGCATTTTATGAAG	AGATTCCTGATCTCCTGCTC	<i>Ej00017543</i>
<i>VHA-E1</i>	TCTGCTGAGGAAGAATTCAA	TTCATGGAGTTAACCACGTC	<i>Ej00045917</i>
<i>VHA-F</i>	TTTACAGCAAAGGACGACAT	GATGCCACAGATTCAAGTGT	<i>Ej00074402</i>
<i>ALMT1</i>	TGATGCAGTCGATCGAAGAG	TGGTCCAACTTGGAAGGAG	<i>EVM0037970.1</i>
<i>ALMT2</i>	AAAGGGTAGGATGCGAAGGT	AATCTCCCAGCTTTCCGAAT	<i>EVM0000569.1</i>
<i>ALMT3</i>	GCGGTGATAACCGTGGTAGT	AAAGATCCCAAGCACAAATGG	<i>EVM0022757.1</i>
<i>ALMT4</i>	GTGGGAGCCTAGACATGGAA	TTTGTGCTTTGGATGGTCA	<i>EVM0025487.1</i>

<i>ALMT5</i>	CTAGCATCCCTGGCACATTT	CGAATTCTCACTTCCGGGTA	<i>EVM0013481.1</i>
<i>ALMT6</i>	GCCGCAGAACTGGTAAGAAG	GGTGACATCGGAGAAGGTGT	<i>EVM0010307.1</i>
<i>ALMT7</i>	GACTTGGGCTTCAACAGCTC	TTTTCGAGGATCCGAATGAC	<i>EVM0008191.1</i>
<i>ALMT8</i>	GGAGCTCCAGAGAGTTGGTG	TTCCCTGGGACGTACTTCAG	<i>EVM0037785.1</i>
<i>ALMT9</i>	AGTACGGCTTTCGGGTTTTT	CAGATCCTCTCCCGACCATA	<i>EVM0008737.1</i>
<i>ALMT10</i>	TGGGAAAGCATTGAAGGAAC	GTGTGCCAGGGATGCTAGTT	<i>EVM0028408.1</i>
<i>ALMT11</i>	GGAAGGTTTTGGGGATGAAT	GGTGAGGTTTCCGATCTTGA	<i>EVM0021601.1</i>
<i>ALMT12</i>	TGTGATAGTGCCCGAATTGA	CCAGCAAGCTTTCCAAGTTC	<i>EVM0017728.1</i>
<i>ALMT13</i>	AACTATTCCGGCAGATGTGG	ACTAGGGCAACTCCCACCTT	<i>EVM0022795.1</i>
<i>ALMT14</i>	GAAGTTCTTGAGGCCACAGC	CAATCCTCCCCAACTCTTCA	<i>EVM0016148.1</i>
<i>ALMT15</i>	GGTGCCATGATCTTCATCCT	TGAAATAATCCGCCACACAA	<i>EVM0012726.1</i>
<i>ALMT16</i>	TATTGAACGCGGATGATGAA	AAACACCTGTGGGCAAGTTC	<i>EVM0012851.1</i>
<i>ALMT17</i>	CGATGGTATTGGTGTTCAG	AAAGATCCCAAGCACAAATGG	<i>EVM0040195.1</i>

Table S2. Authentic standard organic acid compounds used in the HPLC analysis and equations of standard curves.

Compound name	Elute time (min)	Linear equation	Correlation coefficient (R ²)
oxalic acid	2.84	y=14.191x-24.94	0.9995
tartaric acid	3.34	y=2.1536x+10.266	0.9999
malic acid	4.14	y=1.7876x+0.1158	1.0000
α-ketoglutaric acid	5.39	y=8.5712x-27.732	1.0000
citric acid	8.25	y=1.0832x-2.0558	1.0000
succinic acid	9.30	y=0.6751x-13.784	0.9996

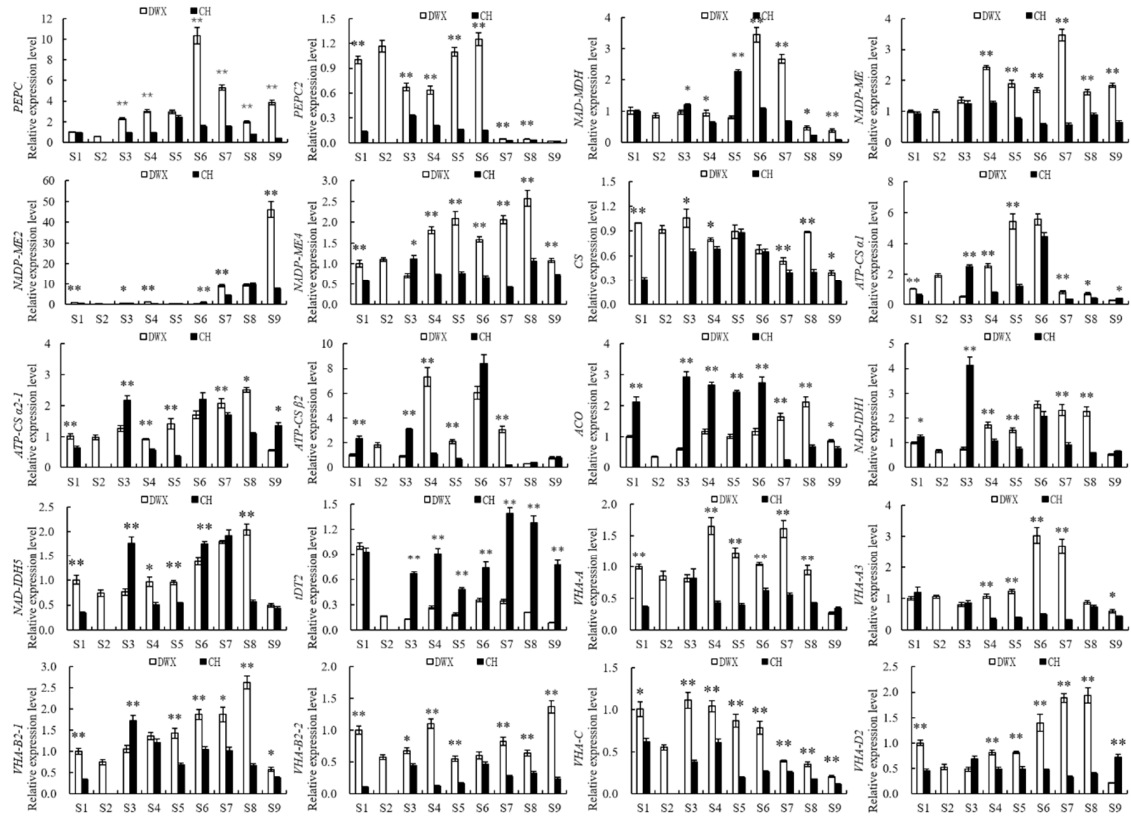


Figure S1. Dynamic changes in expressions of forty genes related to organic acid metabolism during different stages of fruit development and ripening in Dawuxing and its interspecific hybrid. The stages numbered on the x-axis correspond to those presented in Figure 1. Values are means \pm SD of three biological replicates. The asterisks indicate significant differences (*: $p \leq 0.05$; **: $p \leq 0.01$).

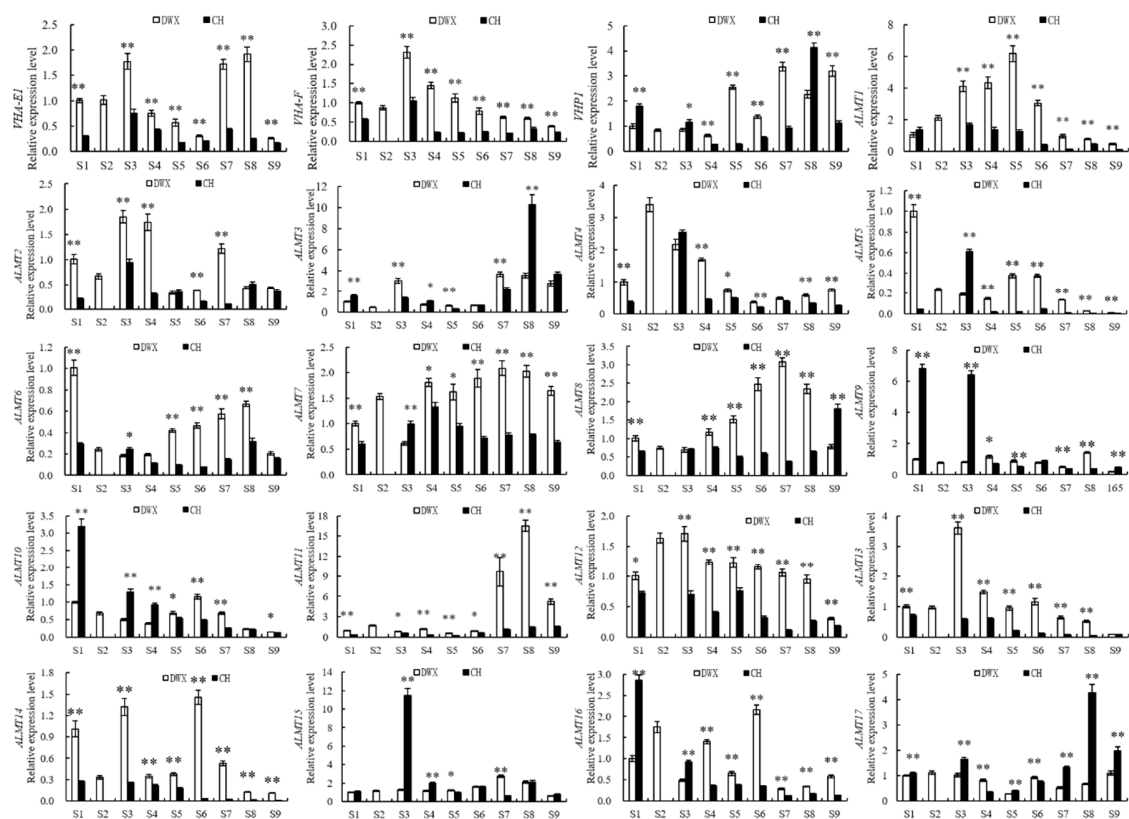


Figure S2: Figure S1 continued.