

Supplementary Information

Supplemental Table 1. Expression of CsLOX genes in cucumber tissues.

[illegible]

MF: male flower; FF: female flower; O: ovary; 2d: 2 days old fruit; 10: 10 days old fruit; C: cotyledon; TF: true leaf; R: root; S: stem; T: tendril

Supplemental Table 2. Expression of cucumber fruit LOX genes in response to ABA, Cold, wound, MeJA, ACC, NaCl and KCl treatments.

[illegible]

Supplemental Table 3. Primers used in semi-quantitative RT-PCR and Quantitative Real-time PCR analysis of cucumber *LOX* genes.

Gene ID	Forward primers (5' to 3')	Reverse primers (5' to 3')
<i>CsLOX1</i>	AGGACTTCCTGTTCCATTGGA	TGGAGGAAATTCCTTAAGACGA
<i>CsLOX2</i>	TCCAATTCATAAGCTACTTGTTCCT	ACCTTTCTCTCTCTTGATGAGATCA
<i>CsLOX3</i>	TCCCGAAGTTGTCAAAGATAATAAA	TGTTGCATTCATCCTCATCAA
<i>CsLOX4</i>	TCCCATTGGTTGAATACACAT	GCTTGTTCAAGGAAATTCCA
<i>CsLOX5</i>	TTATCAGCCACTGGCTGAATAC	GAAGACCCAATTCTTGTAAGCA
<i>CsLOX6</i>	GCACTTGAAAGAATCAGATTTTCTT	CCAGACTTATTATCTTGATGACTTG
<i>CsLOX7</i>	CATTTTCAATCAAAAAGGAATGG	CAATTAACACTTCTAGGGTTTCCA
<i>CsLOX8</i>	TCCTGCTGACAAATACAAAACC	CTTTTTGGATCTTTTTTGAAGG
<i>CsLOX9</i>	TCGTCTCCTAGAGTTCCCTCC	AATCATTCACGGCGACATAA
<i>CsLOX10</i>	TGGGAGAAGAAGCATACTTAGAGG	GGAAGATAGCTCTGGTTGAGAAAG
<i>CsLOX11</i>	TGGCATTGCACTCCCATC	TAAAGCCATGTGCACGAGG
<i>CsLOX12</i>	TTAAGTTCCGCTTTCAGCCTC	TCTTGATCAATCATTTCCGGTGT
<i>CsLOX13</i>	GGTTTATCGACACCATTACTATTGA	CAAATGCATTACGCTTCTTTTAA
<i>CsLOX14</i>	TTATCCACTGGCTTAGAGCTCA	AATCGCCACTGATCTCTGTACA
<i>CsLOX15</i>	TCTTCCAACAAGTCTTATTTGTCTG	GAAAATTAAGATACCATTTTGAGTAAG
<i>CsLOX16</i>	TATAGCGCAAAAGAAATTGTTCTG	TGGGCTTTAGCAAGCCTC
<i>CsLOX17</i>	CAGACCTGCTGAAAAGAAAGATG	GTAGTGTGGCCATTTTCATACCA
<i>CsLOX18</i>	TAGCAATGAGATGGATCCAAGAT	AGATGATATTGTGTTGGAATTCCA
<i>CsLOX19</i>	CTCATTGGCTGAGAACTCATTG	TGAATTAAGTCAGCAGGTAAAGCT
<i>CsLOX20</i>	TTGCTTCCAATAAGATGGGAC	TCCCGTTACAGGATCAACCT
<i>CsLOX21</i>	GTTTATTTTGGATTACCACGACCT	TCTCCAAAGCCAGAGGCTAG
<i>CsLOX22</i>	TCTCTAATAAGCCTTATCTTCCAGGT	TGCAGTCATATCAGTCTCGGA
<i>CsLOX23</i>	TAAATCATTTGGTTAAGGACTCACG	CCATACCCCTTCGAATAAGATC
<i>CsUBQ</i>	GGTGCCAAGAAGCGTAAGAA	CACCAGCTTTGTTGTAAACGT
<i>CsACT</i>	TCCACGAGACTACCTACAACCTC	GCTCATACGGTCAGCGAT