



Comparative Transcriptome Analysis of Softening and Ripening-related Genes in Kiwifruit Cultivars Treated with Ethylene

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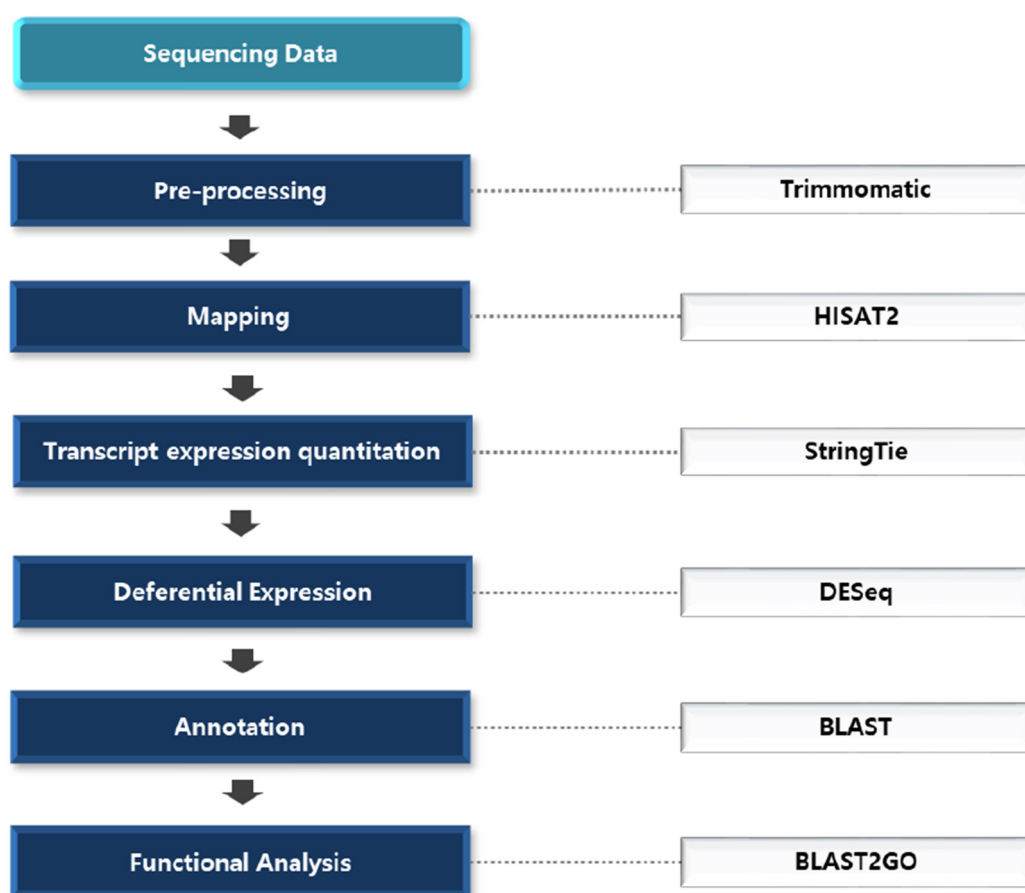


Figure S1. Flow chart of mRNA processing.

Table S1. Selected genes and primers used for validation of gene expression during qRT-PCR.

Gene_id	Gene Descriptions	Primer Sequence 5'-3'- Forward	Reverse
Acti-nidia00998.t1	<i>expansin-A8-like (EXPA8)</i>	CAATCAATGGCCACTCC- TACTT	CACCCTGACTTTGATCCCTTG
Acti-nidia29762.t1	<i>expansin-A11 (EXPA11)</i>	GTGGGCAGTGCTACAAGATTA	TCATAGTTTGGTGGGCAGAAG
Acti-nidia35390.t1	<i>pectinesterase QRT1 (QRT1)</i>	CAGACTCCAA- GCCCTACATTTC	CCGCCGTCCTTTCCTTTATC
Acti-nidia25260.t1	<i>1-aminocyclopropane-1-carboxylate oxidase 1 (ACO1)</i>	CCGGCTCCCAAACCTCTTA- TATC	ATTCAAATCTGGGACCCTTCTC
Acti-nidia09749.t1	<i>1-aminocyclopropane-1-carboxylate oxidase 3 (ACO3)</i>	CGATCTCGACGACGAA- TATAGG	CCAGTCCCAGATTCTCACATAG
Acti-nidia11956.t1	<i>1-aminocyclopropane-1-carboxylate synthase 3 (ACS3)</i>	GCTCGCTCTGTTCCAAGATTA	CGGATCGAAGCTCACTTTGT
Acti-nidia22149.t1	<i>ethylene-responsive transcription factor ERF061 (ERF061)</i>	CCATCAAACACCGCGATTTC	CCTCTGTCTCACTCCTCTGTAT
Acti-nidia33182.t1	<i>ethylene-responsive transcription factor ERF062 (ERF062)</i>	CCACAACCAACATCAC- CAAAG	ACCATCTCAGATCCAGCTTTAC
Acti-nidia02029.t1	<i>thaumatin-like protein (TLP1)</i>	CCGGTGGATGCAATAATCCT	GTAAGCATCTGGGCACCTATC
Acti-nidia05691.t1	<i>probable linoleate 9S-lipoxygenase 5 isoform X2 (LOX1.5)</i>	GGAGGAATGG- GATCGTGTTTAT	CAGAAGACCCTCCAAGGATTG
Acti-nidia25766.t1	<i>lipoxygenase 6, chloroplastic (LOX6)</i>	GAGCCTGAGTACGA- GAAGTTTATT	AGTGTCTTGGATCGCCATTAC

Acti-	<i>flavonoid 3'-monooxygenase-like</i>	CAGCCCAATTCTCAAGGT	GCGAACACAAGGTCCTGATA
nidia04831.t1	<i>isoform X2 (CYP75B1)</i>		



Figure S2. Green ‘Hayward’ and Gold ‘Haegeum’ kiwifruit cultivars at harvest and after 3 days of ripening with ethylene treatment or without ethylene treatment (control) at 25 °C.