

Table S3 The trends and utility of marker metabolites.

Compounds	Trend	Their suggested utility
γ -glutamylmethionine	Down-regulation	Identifying delayed-harvest kiwifruit
L-asparagine	Down-regulation	Identifying delayed-harvest kiwifruit
3-Hydroxy-3-methylpentane-1,5-dioic acid	Up-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group
Tri-p-coumaroyl spermidine	Up-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group
N1,N8-bis(sinapoyl)spermidine	Up-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group
1- α -linolenoyl-glycerol-3-O-glucoside	Up-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group
3'-O-caffeoyl sweroside	Down-regulation	Identifying delayed-harvest kiwifruit
2,3-Dihydroxylup-20(29)-en-28-oic acid (Alphitolic acid)	Up-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group
3,24-Dihydroxy-17,21-semiacetal-12(13)oleanolic fruit	Up-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group

2,3,19,23-Tetrahydroxyurs-12-en-28-oic acid	Up-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group
2,3-Dihydroxyolean-12-en-28-oic acid (2-Hydroxyoleanolic acid)	Up-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group
2,3-Dihydroxyurs-12-en-29-oic acid (Maslinic acid)	Up-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group
2,3-Dihydroxyurs-12-en-28-oic acid (Corosolic acid)	Up-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group
3-Hydroxytaraxastan-28,20-olide	Up-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group
2-Hydroxyursolic acid	Up-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group
3,13-Dihydroxylup-20(29)-en-28-oic acid (Terminic acid)	Up-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group
2,3-Dihydroxy-12-ursen-28-oic acid	Up-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group
1-O-p-coumaroyl- β -D-glucose	Up-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-

		ripening group
4-O-Galactoyl p-Coumaric acid	Up-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group
p-coumaric acid-4-O-glucoside	Up-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group
1-O-p-Coumaroylquinic acid	Up-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group
Cinnamic acid	Down-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group
3,5,6,7,8,3',4'-heptamethoxyflavone	Down-regulation	Identifying delayed-harvest kiwifruit in low-temperature post-ripening group
Jasmonic acid	Down-regulation	Identifying delayed-harvest kiwifruit
