

Supplementary Table 4: Key genes affecting the flavor of *B. ramiflora*.

Genes (abbreviation)	Full name
ACO	1-aminocyclopropane-1-carboxylate oxidase
ADH	Alcohol dehydrogenase
ALDH2	Aldehyde dehydrogenase 2
AMY	Amylase
ANR	Anthocyanidin reductase
BG	β -Glucosidase
BGL	β -Glucosidase
C4H	Cinnamate 4-hydroxylase
C4L	Cinnamoyl-CoA ligase-like
CHI	Chalcone isomerase
CHS	Chalcone synthase
DFR	Dihydroflavonol 4-reductase
DHQ-SDH	3-dehydroquinate dehydratase/shikimate dehydrogenase
F3'5'H	Flavonoid 3',5'-hydroxylase
F3H	Flavanone 3-hydroxylase
FK	Fructokinase
FLS	Flavonol synthase
HK	Hexokinase
IDH	Isocitrate dehydrogenase
INV	Invertase
LAR	Leucoanthocyanidin reductase
LDOX	Leucoanthocyanidin dioxygenase
MDH	Malate dehydrogenase
NADP-ME	NADP-malic enzyme
PAL	Phenylalanine ammonia-lyase
pckA	Phosphoenolpyruvate carboxykinase
PFK9	Phosphofructokinase 9
PK	Pyruvate kinase
PL	Pectate lyase
PME	Pectin methylesterase
SPS	Sucrose phosphate synthase
SUS	Sucrose synthase
TSB	Tryptophan synthase β -subunit
UFGT	UDP-glycose:flavonoid 3-O-glucosyltransferase
UFGT/ 3GT	UDP-glycose:flavonoid 3-O-glucosyltransferase / 3-O-glucosyltransferase
