

Anthocyanin Targeted Assay

Anthocyanidin is a class of water-soluble pigment compounds that widely exist in plants. Free anthocyanins are rare under natural conditions and mainly exist in the form of glycosides. MetwareBio's anthocyanin assay is a targeted LC-MS/MS method that will detect and obtain absolute and semi-quantitation of 108 compounds in the anthocyanin metabolic pathway.



Wide Coverage

108 anthocyanidin metabolites over 8 different types.



Absolute Quantitation

41 absolute quantification, $r > 0.99$
67 semi-quantification



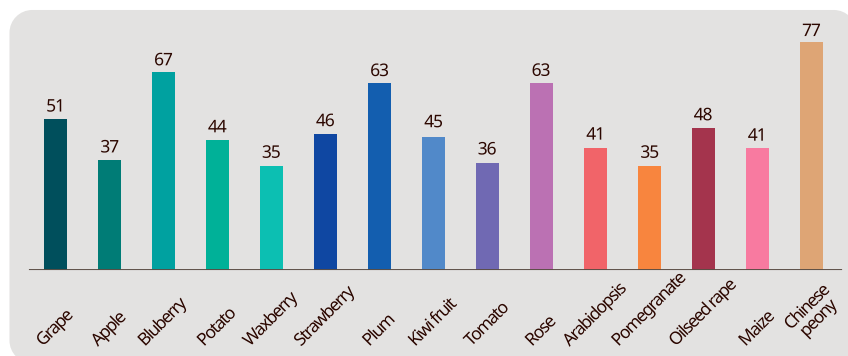
High Sensitivity

Detection at µg/g level

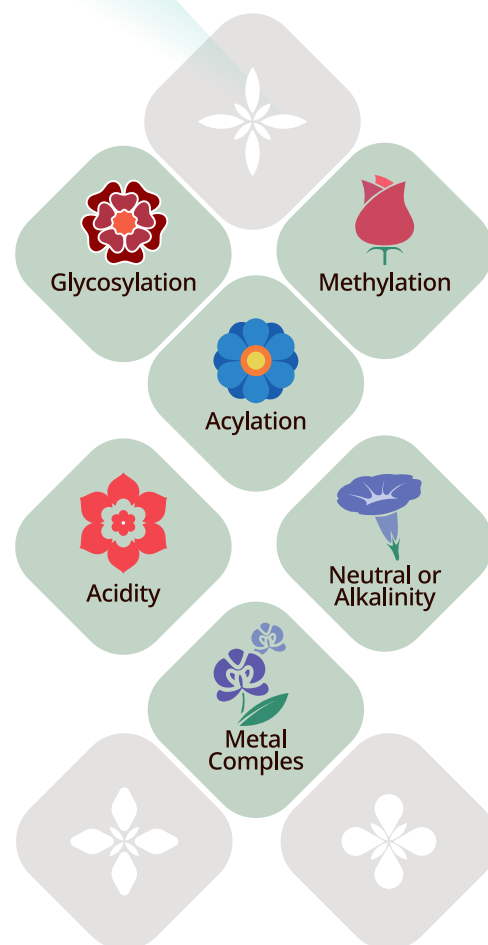
List of Metabolites

Category	No.	Representative substance
Cyanidins	17	Cyanidin-3-O-galactoside, Cyanidin-3-O-rutinoside...
Delphinidins	16	Delphinidin-3-O-glucoside, Delphinidin-3-O-arabinoside
Flavonols	9	Kaempferol-3-O-rutinoside, Rutin, Naringenin-7-O-glucoside...
Malvidins	13	Malvidin, Malvidin-3-O-arabinoside, Malvidin-3-O-galactoside...
Pelargonidins	19	Pelargonidin-3-O-arabinoside, Pelargonidin-3-O-glucoside...
Peonidins	17	Peonidin-3-O-galactoside, Peonidin-3-O-rutinoside...
Petunidins	11	Petunidin-3-O-sambubioside, Petunidin-3,5-O-diglucoside...
Procyanidins	6	Procyanidin A1, Procyanidin B1, Procyanidin C1...

Project Experience



Number of anthocyanins detected from various tissues.



METWAREBIO



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