

S3 Table. MS-identified flavonoids of Bracken grown in greenhouse and under field conditions.

Type of aglucon	Samples from greenhouse		Samples from field			
	Control	UV	1300 m	1800 m	2500 m	2600 m
Flavanon	---	---	Hesperidin (E)	Hesperidin (E)	---	---
	---	---	---	---	Poncirin (E, N)	Poncirin (E)
Flavonol	K-3-O-rutinoside (N;E)	K-3-O-rutinoside (N;E)	K-7-O-neohesperidoside (N)	K-7-O-neohesperidoside (N)	K-7-O-neohesperidoside (N)	K-7-O-neohesp (N)
	---	---	---	---	K-3-O-rutinoside (E, N)	K-3-O-rutinoside (E,N)
	---	Quercetin(E)/ Rutin (E)	Quercetin (E)/Rutin (E,N)	Quercetin (E;N)/Rutin(E,N)	Quercetin (N)/Rutin(E,N)	Quercetin (N)/Rutin(E,N)
Flavon	Orientin (E)	Orientin (E)	Orientin (N)	Orientin (N)	Orientin (N)	---
Anthocyanidin conj	---	---	---	---	Cyanidin* (E)	Cyanidin* (E, N)
Condensed tannin	---	---	---	---	Procyanidin B1 (E)	---

Flavonoids were extracted with aqueous HCl-MeOH and defatted with petrolether (E) or harvested with nanoparticles (N).

* Cyanidin 3-O-[2"-O-(2'''-O-(sinapoyl) xylosyl) 6"-O-(p-O-(glucosyl) p-coumaroyl) glucoside] 5-O-glucoside, K = Kaempferol