

Table S1 – Chemical composition. retention times and *m/z* data by UHPLC–MS in a reversed-phase column (Synchronis C₁₈) analysis for *P. juncifolia* aerial stems. corms and stamens. based on GNPS library [12]

No.	RT	Compound	Molecular Formula	Adduct	<i>m/z</i>	MS/MS	Error (ppm)
					305.0	261; 219; 179;	
				[M-H]-	664	167; 137; 125	0.98
						289; 271; 247;	
						223; 205; 205;	
						195; 181;	
1	2.54	Epigallocatechin	C15H14O7	[M+H]+	307.0	169;163; 151;	
					789	139; 123	-0.98
						269; 209; 181;	
2	4.86	Phaseoloidin	C14H18O9	[M-H]-	329.0	167; 123; 113;	
					865	101; 89; 71; 59	-0.61
					577.1	407; 289; 161;	
3	5.09	Procyanidin B1	C30H26O12	[M-H]-	34	125; 109	1.73
						441; 407; 345;	
						289; 281; 255;	
						245; 203; 179;	
					577.1	161; 151; 125;	
				[M-H]-	34	109	
						451; 427; 409;	
						287; 257; 247;	
					579.1	163; 139; 127;	
4	5.49	Procyanidin B2	C30H26O12	[M+H]+	500	107	-1.21
						271; 245; 227;	
					289.0	221; 203; 179;	
				[M-H]-	706	151; 125; 109	2.42
						207; 189; 179;	
					291.0	165; 147; 139;	
5	5.7	Catechin	C15H14O6	[M+H]+	863	123	-0.69
					865.1	407; 289; 161;	
6	5.9	Procyanidin C1	C45H38O18	[M-H]-	974	125	1.85
		5-O-					
		Caffeoylquinic			353.0		
7	5.98	acid	C16H18O9	[M-H]-	88	191; 179; 135	5.61
						331; 313; 271;	
		1.6-Di-O-galloyl-			483.0	241; 211; 169;	
8	6.34	β-D-glucose	C20H20O14	[M-H]-	769	125	-7.04
		(+)-			319.0	301; 257; 193;	
9	6.54	Dihydromyricetin	C15H12O8	[M-H]-	448	175; 165; 125	3.76
		trans-4-O-					
		Caffeoylquinic			353.0	191; 179; 173;	
10	6.65	acid	C16H18O9	[M-H]-	866	135	-0.28
						207; 189; 179;	
					291.0	165; 147; 139;	
11	7.15	(+)-Catechin	C15H14O6	[M+H]+	862	123	-0.34
						593; 503; 473;	
		6.8-Di-C-β-			609.1	383; 353;325(-	
12	7.35	glucosylluteolin	C27H30O16	[M-H]-	434	28u); 297	-2.63

No.	RT	Compound	Molecular Formula	Adduct	<i>m/z</i>	MS/MS	Error (ppm)
13	7.74	6.8-Di-D-galactosylapigenin	C27H30O15	[M-H]-	593.1 502 285.0	503; 473; 383; 353; 325; 297 241; 217; 199;	0.34
14	8.09	Luteolin	C15H10O6	[M-H]-	399 303.0	175 285; 259; 175;	2.10
				[M-H]-	499	125 287; 259; 231; 195; 153; 149;	4.29
15	8.1	Taxifolin	C15H12O7	[M+H]+	305.0 655 197.1	123 161; 151; 135;	-2.62
16	8.25	Loliolide	C11H16O3	[M+H]+	17	107	-1.01
17	8.27	Isoorientin 2''-O-glucoside	C27H30O16	[M+H]+	611.1 590 447.0	449; 383; 353; 329; 299 357; 327; 299;	-2.62
				[M-H]-	928	285	1.57
					449.1	431; 413; 395;	
18	8.42	Isoorientin	C21H20O11	[M+H]+	057	353; 329; 299	-4.68
		Myricetin 3-O-glucoside	C21H20O13	[M-H]-	479.0 813		
19	8.48	Myricetin-3-O-rutinoside	C27H30O17	[M-H]-	625.1 406	317; 287; 271; 179; 151	-1.46
20	8.51	Flavosativaside	C27H30O15	[M-H]-	593.1 465	413; 323; 311; 293	1.12
21	8.82	Clitorin	C33H40O19	[M-H]-	739.2 057	283; 255; 227; 179; 167	-5.90
22	8.89	Dihydrokaempferol	C15H12O6	[M-H]-	287.0 56	259; 243; 177; 151; 125	-3.11
23	8.94	Isoscoparin-2''-O-glucoside	C28H32O16	[M-H]-	623.1 61		3.48
24	9.00	Dihydrokaempferol	C15H12O6	[M-H]-	287.0	443; 323	0.64
25	9.17	Isorhamnetin 3-O-β-D-rutinoside	C28H32O16	[M-H]-	287.0 554	269; 259; 243; 201; 151; 125	1.39
26	9.19	Rutin	C27H30O16	[M-H]-	623.1 611		
27	9.23	Quercetin 3-glucoside	C21H20O12	[M-H]-	609.1 47	315; 299; 271 179; 151	0.80
28	9.23	methoxy-myricetin-3-O-hexoside	C22H22O13	[M-H]-	463.0 867	315; 299; 271; 255; 243	3.28
29	9.37	Laricitrin 3-rutinoside	C28H32O17	[M-H]-	493.0 97	329; 315; 287; 271; 259	-0.86
30	9.46	Secoisolariciresinol	C20H26O6	[M-H]-	639.1 606	329; 315; 287; 271; 179;	-1.22
31	9.60	Kaempferol 3-O-rutinoside	C27H30O15	[M-H]-	327.1 584	295; 163; 151; 137	7.98
32	9.68	Byzantionoside B	C19H32O7	[M+H]+	593.1 5	283; 255; 227; 151	-1.83
33	9.78				373.2 22	211; 193; 175; 135; 109; 95	0.00

No.	RT	Compound	Molecular Formula	Adduct	<i>m/z</i>	MS/MS	Error (ppm)
34	9.85	Kaemferol 3- <i>O</i> -glucopyranoside	C21H20O11	[M-H]-	447.0 921	283; 255; 227; 179	1.79
35	9.88	Kaempferol 3- <i>O</i> -rutinoside	C27H30O15	[M-H]-	593.1 5	285; 255; 227; 151	2.19
36	9.88	(<i>S</i>)-2,3-Dihydroluteolin	C15H12O6	[M-H]-	287.0 55	227; 151; 135; 125; 107	-3.83
37	9.91	5,7-dihydroxy-6-methoxy-2-[4-[(2 <i>S</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>S</i> ,6 <i>R</i>)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyphenyl]chromen-4-one	C22H22O11	[M-H]-	461.1 078	297; 283; 255; 163	1.95
38	10.02	Kaempferol 3- <i>O</i> - α -L-arabinopyranoside	C20H18O10	[M-H]-	417.0 816	283; 255; 227	0.96
39	10.08	Isorhamnetin 3- <i>O</i> - β -D-rutinoside	C28H32O16	[M-H]-	623.1 606	357; 315; 299; 271; 243	2.09
40	10.10	Syringetin-3- <i>O</i> -glucoside	C23H24O13	[M-H]-	507.1 131	343; 329; 301; 287; 273; 169; 151; 125	1.38
41	10.15	Phenol. 3,3'-[(1 <i>R</i> ,3 <i>aS</i> ,4 <i>R</i> ,6 <i>aS</i>)-tetrahydro-1 <i>H</i> ,3 <i>H</i> -furo[3,4- <i>c</i>]furan-1,4-diyl]bis[6-methoxy-, <i>rel</i> -(9 <i>Cl</i> , 1 <i>Ac</i>)-(10 <i>E</i> , 15 <i>E</i>)-9,12,13-trihydroxyoctadeca-10,15-dienoic acid	C20H22O6	M-H2O+H	359.1 489	341; 323; 291; 269; 187; 137	-1.47
42	12.33	Usnic acid	C18H32O5	[M-H]-	327.2 172	309; 291; 229; 211; 171	1.83
43	14.40	Usnic acid	C18H16O7	[M-H+CH3OH]	343.0 815	299; 259; 255; 231; 83	0.87