

Supplementary Table S2. Compounds detected in *Asparagus* samples by LC-MS

Species/codes	Phenolic compounds										
	Chelidonic acid	Caffeic acid	<i>Trans</i> -ferulic acid	Syringic acid	Sinapic acid	Naringenin	Quercetin	(-)-Gallocatechin	Quercetin 3'-methyl ether (Isorhamnetin)	Myricetin	<i>p</i> -coumaric acid hexoside
<i>A. acutifolius</i>											
AC1	X						X			X	X
AC2	X		X				X			X	X
AC3	X						X			X	X
AC4	X						X			X	X
<i>A. albus</i>											
AL1	X		X	X		X	X			X	X
AL2	X		X	X		X	X			X	X
AL3	X		X	X		X	X				X
AL4	X		X	X			X				X
AL5	X		X	X			X				X
<i>A. aphyllus</i>											
AP1	X						X	X		X	X
AP2	X		X		X	X	X	X		X	X
AP3	X		X			X	X			X	X
<i>A. horridus</i>											
H1	X						X	X		X	X
H2	X						X		X	X	X
H3	X		X			X	X	X	X	X	X
H4	X	X					X		X		X
H5	X						X	X			X
<i>A. officinalis</i>											
O1	X		X				X				X
O2	X	X	X		X		X				X

Supplemental Table 4. Compounds detected in *Asparagus* samples by LC-MS (continued)

Species/codes	Phenolic compounds									
	5- <i>O</i> - <i>p</i> -coumaroyl quinic acid	Chlorogenic acid	(-)-Epicatechin gallate	Kaempferol-3- <i>O</i> -glucoside (Astragalin)	Quercetin 3- <i>O</i> -glucoside (Isoquercetin)	Isorhamnetin-3- <i>O</i> -glucoside (Asterin)	Kaempferol-3- <i>O</i> -rutinoside (Nicotiflorin)	Pelargonidin 3- <i>O</i> -diglucoside	Quercetin-3- <i>O</i> -rutinoside (Rutin)	Isorhamnetin-3- <i>O</i> -rutinoside (Narcissin)
<i>A. acutifolius</i>										
AC1		X					X	X	X	X
AC2		X				X	X	X	X	X
AC3		X				X	X	X	X	X
AC4				X		X	X	X	X	X
<i>A. albus</i>										
AL1	X	X	X			X	X	X	X	X
AL2	X	X	X			X	X	X	X	X
AL3	X	X	X				X	X	X	X
AL4	X	X	X				X	X	X	X
AL5	X	X	X				X	X	X	X
<i>A. aphyllus</i>										
AP1		X				X	X		X	X
AP2		X				X	X	X	X	X
AP3		X				X	X	X	X	X
<i>A. horridus</i>										
H1						X	X		X	X
H2						X	X		X	X
H3							X		X	X
H4						X	X		X	X
H5							X		X	X
<i>A. officinalis</i>										
O1		X			X	X	X	X	X	X
O2		X			X	X	X	X	X	X