

Table S1. Summarized statistical data for correlation analysis (Spearman Rank Correlation Test) of tannins or flavonoids vs. biological activity. Support for figure 1 and 2. Analysis performed with GrapPad prism Version 6.07.

Compound	Tannins		Flavonoids (AlCl ₃)		Flavonoids (Boric Acid)		
Correlation	Tannins (% DW)	Tannins (% DW)	Flavonoids (% DW)	Flavonoids (% DW)	Flavonoids (% DW)	Flavonoids (% DW)	MAC vs.
Value	vs. Inhibition diameter	vs. MAC (µg mL ⁻¹)	vs. Inhibition Diameter	vs. MAC (µg mL ⁻¹)	vs. Inhibition Diameter	vs. MAC (µg mL ⁻¹)	Inhibition Diameter
Spearman coefficient (R_s)	0.6205	-0.6131	0.5094	-0.2170	0.4251	-0.1082	0.01111
95% Confidence interval	0.1168 to 0.8703	-0.8745 to -0.07556	-0.04651 to 0.8244	-0.6955 to 0.3949	-0.1533 to 0.7866	-0.6332 to 0.4850	-0.5560 to 0.5712
p value (two-tailed)	0.0202	0.0288	0.0648	0.4716	0.1301	0.7242	0.9724
Number of pairs	14	13	14	13	14	13	13

Table S2. Additional information how voucher specimen were identified. Support for section 3.1.

No	Species	Nomenclatural Citation and Type Specimen Description (IPNI)	Image of the Type Herbarium Specimen (POWO)
1	<i>Aronia melanocarpa</i> (Michx.) Elliott	https://www.biodiversitylibrary.org/page/10166742#page/586/mode/1up (accessed on 16 August 2019)	http://apps.kew.org/herbcatalog/details-n 16 August 2019)
2	<i>Potentilla palustris</i> (L.) Scop.	https://www.biodiversitylibrary.org/page/58202898#page/481/mode/1up (accessed on 16 August 2019)	https://powo.science.kew.org/taxon/urn:lsid:ipni.org:names:63773-2 (accessed on 16 August 2019)
3	<i>Epilobium angustifolium</i> L.	https://www.biodiversitylibrary.org/page/358366#page/359/mode/1up (accessed on 16 August 2019)	http://apps.kew.org/herbcatalog/details-Query.do?barcode=K000914235 (accessed on 16 August 2019)
4	<i>Geum rivale</i> L.	https://www.biodiversitylibrary.org/page/358520#page/513/mode/1up (accessed on 16 August 2019)	https://powo.science.kew.org/taxon/725355-1 (accessed on 16 August 2019)
5	<i>Filipendula ulmaria</i> (L.) Maxim.	https://www.biodiversitylibrary.org/page/15733711#page/263/mode/1up (accessed on 16 August 2019)	http://apps.kew.org/herbcatalog/details-Query.do?barcode=K000914185 (accessed on 16 August 2019)
6	<i>Polygonum bistorta</i> L.	https://www.biodiversitylibrary.org/page/358379#page/372/mode/1up (accessed on 16 August 2019)	https://powo.science.kew.org/taxon/urn:lsid:ipni.org:names:60430545-2 (accessed on 16 August 2019)
7	<i>Rubus chamaemorus</i> L.	https://www.biodiversitylibrary.org/page/358513#page/506/mode/1up (accessed on 16 August 2019)	http://specimens.kew.org/herbarium/11665.000 (accessed on 16 August 2019)
8	<i>Sanguisorba officinalis</i>	https://www.biodiversitylibrary.org/page/358135#page/128/mode/1up (accessed on 16 August 2019)	http://specimens.kew.org/herbarium/K000914195 (accessed on 16 August 2019)