Table S1: Overview of polyphenol containing crude extracts and fractions against nematodes

Abbreviations:

Solvents: E: ethanol, A: acetone, the number indicates the percentage of the resp. solvent in water.

Nematodes: *Ancylostoma caninum*, *Caenorhabditis elegans*, *Cooperia oncophora*, *Dictyocaulus viviparus*, *Haemonchus contortus*, *Ostertagia ostertagi*, *Teladorsagia circumcinta*, *Toxocara cati*, *Trichostrongylus colubriformis*, *Trichustrongylus vitrinus*, *Trichuris vulpis*

Anthelmintic effect: EHI: egg hatch inhibition; LD: larval development; LEI: larval exsheathment inhibition; LFI: larval feeding inhibition; LMI: larval migration inhibition, [1] : using ensheathed larvae or [2] : exsheathed larvae

Other: n.d.: not determined; not d.-d.: not dose-dependent.

Plant family	Plant species	Plant part	Type of extract	Type of tannin	Parasite (stage)	*In vitro* effect	Effective concentration [µg/mL]	Effect entirely attributable to tannins?	Ref.
Acanthaceae	*Avicennia germinans* (L.) L.	leaves	A 70	CT	*H. contortus* (L3)	EHI	2400	no	[1]
Anacardiaceae	*Myracrodruon urundeuva* Allemão	leaves stem	A 70	CT	*H. contortus* (L3)	EHI LEI	≥ 312.5 (leaves); ≥ 625 (stem) 310 (leaves / stem)	no	[2]
	Pistacia lentiscus L.	leaves	E 70 E 100 H_2O 100	HT, GA, C, F	*T. circumcincta* (L3) *T. colubriformis* (L3) *Chabertia ovina* (L3)	LEI	1200 ≥ 2.4 (E 70)	-	[3]
		leaves	A 70	tannins	*H. contortus* (L3)	LMI[1]	not d.-d-		[4]
	Rhus typhina L.	leaves	A 70	GT/CT	*C. elegans* (adults)	lethal	LC_{50} 0.65 mg/mL		[5]

	Schinopsis spp.	bark	commer-cially available preparation	CT	*T. circumcincta* (L3) *H. contortus* (L3) *T. vitrinus* (L3)	lethal	LD_{50}: 1950 2660 2070	-	6
Asteraceae	*Cichorium intybus* L.	leaves	A 70 CT fraction	CT	*D. viviparus* (L1; L3) GIN of deer (L3)	LMI[1]: *D. viviparus* LMI[2]: GIN	≥ 100	-	7
	Artemisia campestris L.	aerial parts	H_20 EtOH	F	*H. contortus* (L3)	EHI Adult viability ↓	≥ 2000 ≥ 1000	-	8
Betulaceae	*Corylus avellana* L.	leaves	H_20	CT	*T. circumcincta* *H. contortus* *T. colubriformis*	LMI (*H. contortus*; (L3)) Adult motility ↓		yes	9
Bignoniaceae	*Newbouldia laevis* (P.Beauv.) Seem.	leaves	A 70	tannins	*H. contortus* (L3); *T. colubriformis* (L3)	LEI	≥ 300	no	10
		leaves	E 30	-	*H. contortus* (L3); *T. colubriformis* (L3)	EHI LMI[2] Adult motility ↓	≥ 75 not d.-d. ≥ 300	unclear	11 12
Combretaceae	*Laguncularia racemosa*(L.) C.F.Gaertn.	leaves	A 70	CT	*H. contortus* (L3)	EHI	2400	yes	1
Ericaceae	*Calluna vulgaris* (L.)Hull	n.d.	A 70 CT fraction	CT	*T. colubriformis*	EHI, LEI, Adult motility ↓		-	13
	Erica cinerea	n.d.	A 70 CT fraction	CT	*T. colubriformis*	EHI, LEI, Adult motility ↓		-	13

	Erica erigena R.Ross	whole plant	E 30	n.d.	*H. contortus* (L3); *T. colubriformis* (L3)	LEI (only *H. contortus*)	600	*H. contortus*: yes	[14]
	Erica umbellata	n.d.	A 70 CT fraction	CT	*T. colubriformis*	EHI, LEI, Adult motility ↓		-	[13]
Euphorbiaceae	*Manihot esculenta* Crantz	n.d.	A 70	CT	*H. contortus* (L3)	EHI mortality	- 0.3 ppm	-	[15]
Fabaceae	*Acacia angustissima* var. hirta (Torr. & A.Gray) Robinson	leaves	A 70	CT	*H. contortus* (L3)	LMI[1]		-	[16]
	Acacia gaumeri S.F.Blake	leaves	A 70	CT	*H. contortus* (L3)	LMI[1] LEI	1200 75	-	[17]
	Acacia mearnsii De Wild.		commer-cially available prep	CT	*H. contortus* (L1) *T. circumcincta* (L1) *T. colubriformis* (L1)	feeding inhibition	IC_{50}: 43 50 38	-	[18]
	Acacia pennatula (Schltdl. & Cham.) Benth.	leaves	A 70	CT	*T. colubriformis* (L3)	LMI[1]; LEI	1200	yes	[19]
		leaves	A 70	CT	*H. contortus* (L3)	LMI[1] LEI	≥ 300 1200	yes	[20]
	Anadenanthera colubrina (Vell.) Brenan	leaves stem	A 70	CT	*H. contortus* (L3)	LEI	≥ 300	yes	[21]
	Arachis pintoi Krapov. &	n.d.	A 70	CT	*H. contortus* (L3)	EHI	-	-	[15]

W.C.Greg.					mortality	300		
	leaves	A 70	-	*H. contortus* (L3)	LEI	1200	yes	22
Ceratonia siliqua L.	leaves fruit	A 70	tannins	*H. contortus* (L3)	LMI[1]		yes (fruit), not leaves	23
Cratylia argentea (Desv.) Kuntze	leaves	A 70	-	*H. contortus* (L3)	LMI[1] depending on cultivar; LEI	1200	yes	22
Dorycnium pentaphyllum Scop. (Leguminosae)	whole plant	A 70	CT	*T. colubriformis* (eggs; L1)	EHI LDI	≥ 200	yes	~~24~~
	whole plant	A 70	CT	*T. colubriformis* (L3)	LMI[2]	≥ 100	yes	25
	whole plant	A 70 CT fraction	CT	*T. circumcincta*	EHI LDI	≥ 200 ≥ 200	yes	26
Dorycnium rectum (L.) Ser. (Leguminosae)	whole plant	A 70	CT	*T. colubriformis* (eggs; L1)	EHI LDI	≥ 200	yes	~~24~~
	whole plant	A 70	CT	*T. colubriformis* (L3)	LMI[2]	≥ 100	yes	25
	whole plant	A 70 CT fraction	CT	*T. circumcincta*	EHI LDI	≥ 200 ≥ 200	yes	26

Gliricidia sepium (Jacq.) Walp.	leaves	A 70	-	*H. contortus* (L3)	LMI[1]; LEI	1200	yes	22
Havardia albicans (Kunth) Britton & Rose	leaves	A 70	CT	*H. contortus* (L3)	LMI[1] LEI	1200 75	-	17
Hedysarum carnosum Desf.	n.d.	A 70	CT	*H. contortus* (L3)	LEI	≥ 150	yes	27
Hedysarum coronarium L.	whole plant	A 70	CT	*T. colubriformis* (eggs; L1)	EHI LDI	≥ 200	yes	24
	whole plant	A 70	CT	*T. colubriformis* (L3)	LMI[2]	≥ 100	yes	25
	whole plant	A 70	CT	*D.viviparus* (L1; L3) gastrontestinal nematodes of deer (L3)	LMI viability: *D. viviparus*		yes	28
	n.d.	A 70 CT fraction	CT	*T. colubriformis* (eggs; L1; L3)	EHI ; LDI; LMI[2]	≥ 200	yes	29
	whole plant	A 70 CT fraction	CT	*T. circumcincta*	EHI LDI	≥ 200 ≥ 200	yes	30
Lespedeza juncea var. *sericea* (Thunb.) Lace & Hauech (syn.: *Lespedeza cuneata* (Dum.Cours.) G.Don)	leaves stem	A 70	CT	*C. elegans* (adults)	lethal	LC_{50} 31.0 mg/mL	-	5
Lespedeza stuevei Nutt.	leaves	A 70	CT	*H. contortus* (L3)	LMI[1]		-	16

Leucaena leucocephala (Lam.) de Wit	leaves	A 70	CT	*H. contortus* (L3)	LMI[1] LEI	- 300	-	[17]
	n.d.			*H. contortus* (L3)	EHI mortality	- 0.9 ppm		[15]
	leaves stem	A 70	CT	*H. contortus* (L3)	LEI	≥ 300	leaves: unclear stem: yes	[21]
	leaves	A 70	CT	*T. colubriformis* (L3)	LMI[1]; LEI	1200	yes	[19]
	leaves	A 70	CT	*H. contortus* (L3)	LMI[1] LEI	≥ 150 1200	yes	[20]
Leucaena retusa Benth.	leaves	A 70	CT	*H. contortus* (L3)	LMI[1]		-	[16]
Lotus corniculatus L.	whole plant	A 70	CT	*T. colubriformis* (eggs; L1)	EHI LDI	≥ 200	yes	[24]
	whole plant	A 70	CT	*T. colubriformis* (L3)	LMI[2]	≥ 100	yes	[25]
	whole plant	A 70	CT	*D.viviparus* (L1; L3) gastrontestinal nematodes of deer (L3)	LMI viability: *D. viviparus*		yes	[28]
	n.d.	A 70 CT fraction	CT	*T. colubriformis* (eggs; L1; L3)	EHI ; LDI; LMI[2]	≥ 200	yes	[29]
	whole plant	A 70 CT fraction	CT	*T. circumcincta*	EHI LDI	≥ 200 ≥ 200	yes	[30]

Lotus pedunculatus Cav.	whole plant	A 70	CT	*T. colubriformis* (eggs; L1)	EHI LDI	≥ 200	yes	24
	whole plant	A 70	CT	*T. colubriformis* (L3)	LMI[2]	≥ 100	yes	25
	whole plant	A 70	CT	*D.viviparus* (L1; L3) gastrontestinal nematodes of deer (L3)	LMI viability: *D. viviparus*		yes	28
	n.d.	A 70 CT fraction	CT	*T. colubriformis* (eggs; L1; L3)	EHI ; LDI; LMI[2]	≥ 200	yes	29
	whole plant	A 70 CT fraction	CT	*T. circumcincta*	EHI LDI	≥ 200 ≥ 200	yes	30
Lysiloma latisiliquum (L.)	leaves	A 70	CT	*H. contortus* (L3)	EHI;	3600	no	1
	leaves	A 70	CT	*T. colubriformis* (L3)	LMI[1] LEI	1200	yes	19
	leaves	A 70	CT	*H. contortus* (L3)	LMI[1] LEI	≥ 150 1200	yes	20
Mimosa tenuiflora (Willd.) Poir.	leaves stem	A 70	CT	*H. contortus* (L3)	LEI	≥ 300	leaves: unclear stem: yes	21
Onobrychis viciifolia Scop.	whole plant	A 70	CT	*D. viviparus* (L1; L3); gastrontestinal nematodes of deer	LMI viability: *D. viviparus*, GIN		yes	28
	whole plant	A 70	CT	*T. colubriformis* (L3)	LMI[2]	≥ 100	yes	25

		n.d.	A 70	CT	*T. colubriformis* (eggs; L1; L3)	EHI ; LDI; LMI[2]	≥ 200	yes	29
		whole plant	A 70	-	*H. contortus* (L3) *T. colubriformis* (L3)	LEI	≥ 300	yes	31
		whole plant	A 70	tannins	*H. contortus* (L3)	LMI[1]		yes (fruit), not leaves	23
		whole plant	A 70	CT	exsheathed *H. contortus* (L3); *T. circumcincta* (L3)	*in vitro* direct challenge (IVDC); inhibition of penetration into fundic explant	≥ 600	yes	32
	Piptadenia viridiflora (Kunth) Benth.	leaves	H_20 E 100	CT, F	*H. contortus*	EHI	LC_{90} 2400 (H_2O) LC_{90} 2100 (EtOH);	unclear	33
						LDI	LC_{90} 1.0 mg/g (H_2O)		
	Piscidia piscipula (L.) Sarg.	leaves	A 70	CT	*T. colubriformis* (L3)	LEI		yes	19
		leaves	A 70	CT	*H. contortus* (L3)	LEI		yes	20
	Robinia pseudoacacia L.	leaves	A 70	CT	*C. elegans* (adults)	lethal	LC_{50} 0.73 mg/mL		5
Fagaceae	*Castanea sativa* Mill.	tegu-ments of fruits	E 30	CT, ET, GA, EA	*H. contortus* (L3); *T. colubriformis* (L3)	LEI	600	*H. contortus*: unclear *T. colu-briformis*: yes	14

		fruits	A 70	tannins	*H. contortus* (L3)	LMI[1]	300	yes	[23]
	Quercus alba L.	leaves	A 70	(CT) / ET	*C. elegans* (adults)	lethal	LC_{50} 0.75 mg/mL		[5]
	Quercus coccifera L. (Fagaceae)	leaves	A 70	tannins	*H. contortus* (L3)	LMI[1]	300	yes	[23]
	Quercus robur L. (Fagaceae)	leaves	H_20	CT	*T. circumcincta* *H. contortus* *T. colubriformis*	LMI (*H. contortus*; *T. circumcincta* (L3)) Adult motility ↓		yes	[9]
Loranthaceae	*Tapinanthus oleifolius* (J.C.Wendl.) Danser	leaves; small stems	A 70	purified CT fraction (PC)	*T. circumcincta* *H. contortus* *T. colubriformis*	EHI: no effect LDI: *H. contortus; T. circumcincta* LMI: *H. contortus*		-	[34]
Malvaceae	*Theobroma cacao* L.	seed husk	A 70	CT	*H. contortus* (L3)	EHI	1200 (seed) 2400 (husk)	no	[1]
	Grewia flava DC.	leaves; small stems	A 70	purified CT fraction (PC)	*T. circumcincta* *H. contortus* *T. colubriformis*	EHI: no effect LDI: complete inhibition LMI: *H. contortus*		-	[34]
	Guazuma ulmifolia Lam.	n.d.	A 70	CT	*H. contortus* (L3)	EHI mortality	- 0.9 ppm	-	[15]
Oleaceae	*Phillyrea latifolia* L.	leaves	E 70 E 100 H_2O 100	F; Oleuropein, Tyrosol	*T. circumcincta* *T. colubriformis* *Chabertia ovina*	LEA	1200; ≥ 16 (E70)	-	[3]
Pinaceae	*Pinus radiata* D.Don	bark	A 70	tannins	*T. colubriformis* *H. contortus*	EHI	≥ 1000	yes	[35]

						LMI LDI	≥ 800		
	Pinus sylvestris L.	leaves	E 30	PC	*H. contortus* (L3); *T. colubriformis* (L3)	LEI	600	*H. contortus*: unclear *T. colubriformis*: yes	[14]
Polygonaceae	*Rumex obtusifolius* L.	whole plant	A 70	CT	*T. colubriformis* (eggs; L1)	EHI LDI	≥ 200	yes	[24]
		whole plant	A 70	CT	*T. colubriformis* (L3)	LMI[2]	≥ 100	yes	[25]
		whole plant	A 70 CT fraction	CT	*T. circumcincta*	EHI LDI	≥ 200 ≥ 200	yes	[30]
Rhizophoraceae	*Rhizophora* mangle L.	leaves	A 70	CT	*H. contortus* (L3)	EHI	1200	no	[1]
Rosaceae	*Pyrus spinosa* Forssk.	leaves	A 70	tannins	*H. contortus* (L3)	LMI[1]	n. d.-d.	yes	[23]
	Rosa multiflora Thunb.	tops	A 70	GT / ET	*C. elegans* (adults)	lethal		LC_{50} 2.1 mg/mL	[5]
	Rubus fruticosus L.	leaves stem	H_20	CT	*H. contortus*	Adult motility ↓		yes	[9]
Rutaceae	*Zanthoxylum zanthoxyloides* (Lam.) Zepern. & Timler	leaves	A 70	tannins	*H. contortus* (L3) *T. colubriformis* (L3)	LEI	≥ 300	unclear	[10]
		leaves	E 30	-	*H. contortus* (L3); *T. colubriformis* (L3)	EHI LMI[2] Adult motility ↓	≥ 75 not d.-d. ≥ 300	unclear	[11, 12]

Salicaceae	*Salix* × *salamonii* (Carrière) Carrière (syn.: *Salix x sepulchralis* Simonk.)	leaves	A 70	CT	*C. elegans* (adults)	mortality (24h)	LC_{50} 14.3 mg/mL		[5]
Santalaceae	*Viscum rotundifolium* L.f.	leaves; small stems	A 70	purified CT fraction	*T.circumcincta* *H.contortus* *T. colubriformis*	EHI: no effect LDI: no effect LMI: no effect		-	[34]
	Viscum verrucosum Harv.	leaves; small stems	A 70	purified CT fraction (PC)	*T.circumcincta* *H.contortus* *T. colubriformis*	EHI: no effect LDI: *H. contortus;* *T. circumcincta* LMI: no effect		-	[34]
Sapindaceae	*Paullinia pinnata* L.	roots	E 50	CT (A-type PC)	*C. elegans* (adult); *A. caninum* (L3); *T. cati* (L3); *T. vulpis* (L1); *H. contortus* (egg; L3)	mortality: *C. elegans;* *T. cati;* *T. vulpis* no effect in EHI, LMI[1] (*H. cont.*)	LC_{50}: 2500 112 17	-	[36]
	Acer rubrum L.	leaves	A 70	(CT) / GT	*C. elegans* (adults)	mortality (24h)	LC_{50} 1.0 mg/mL		[5]

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