

**Table S1.** The IC<sub>50</sub> and selectivity index of diminazene aceturate (DA), methanolic *S. aromaticum* (MESA) and methanolic *O. europaea* (MEOE).

Drug	Parasite	IC <sub>50</sub> ( µg/mL ) <sup>a</sup> parasites	EC <sub>50</sub> (µg/mL) <sup>b</sup>			Selective indices <sup>c</sup>		
			MDBK	NIH/3T3	HFF	MDBK	NIH/3T3	HFF
DA	<i>B. bovis</i>	0.25 ± 0.02	> 100	> 100	> 100	> 400	> 400	> 400
	<i>B. bigemina</i>	0.11 ± 0.01	> 100	> 100	> 100	> 909	> 909	> 909
	<i>B. divergens</i>	0.35 ± 0.03	> 100	> 100	> 100	> 285.7	> 285.7	> 285.7
	<i>B. caballi</i>	0.003 ± 0.001	> 100	> 100	> 100	> 33333	> 33333	> 33333
	<i>T. equi</i>	0.37 ± 0.01	> 100	> 100	> 100	> 270.3	> 270.3	> 270.3
MESA <sup>d</sup>	<i>B. bovis</i>	109.8 ± 3.8	894.7± 4.9	>1000	>1000	8.1	> 9.1	> 9.1
	<i>B. bigemina</i>	8.7 ± 0.09	894.7± 4.9	>1000	>1000	102.8	> 114.9	>114.9
	<i>B. divergens</i>	76.4 ± 4.5	894.7± 4.9	>1000	>1000	11.7	> 13.1	> 13.1
	<i>B. caballi</i>	19.6 ± 2.2	894.7± 4.9	>1000	>1000	45.6	> 51.1	> 51.1
	<i>T. equi</i>	60.0 ± 7.3	894.7± 4.9	>1000	>1000	14.9	> 16.7	> 16.7
MEOE <sup>e</sup>	<i>B. bovis</i>	107.1 ± 9.2	794.7± 41.9	>1500	>1500	7.4	> 14	> 14
	<i>B. bigemina</i>	47.7 ± 2.3	794.7± 41.9	>1500	>1500	16.7	> 31.4	> 31.4
	<i>B. divergens</i>	101.1 ± 8.9	794.7± 41.9	>1500	>1500	7.9	> 14.8	> 14.8
	<i>B. caballi</i>	105.5 ± 11.1	794.7± 41.9	>1500	>1500	7.5	> 14.2	> 14.2
	<i>T. equi</i>	19.3 ± 2.1	794.7± 41.9	>1500	>1500	41.2	> 77.7	> 77.7

<sup>a</sup> Half-maximal inhibitory concentration of extracts on piroplasm parasites *in vitro*. <sup>b</sup> Half-maximal effective concentration of extracts on cell lines. The values were determined from the dose-response curve using non-linear regression (curve fit analysis). The values are the means of triplicate experiments. <sup>c</sup> Ratio of the cell lines EC<sub>50</sub> to the parasite IC<sub>50</sub>. High numbers are favorable. <sup>d</sup>[7], <sup>e</sup>[9].