

**Supplementary Table S1.** TBCI prevalence in engorged ticks in Romania

<b>Pathogens combination</b>	<b>No. of Ticks <sup>a</sup></b>	<b>Prevalence(%)</b>
<i>Borrelia</i> spp. + Ap + <i>Rickettsia</i> spp.	42	18.92
<i>Borrelia</i> spp. + Ap + <i>R. helvetica</i> + <i>Theileria</i> spp.	2	0.90
<i>Bo. Afzelli</i> + Ap	20	9.01
<i>Bo. garini</i> + Ap	7	3.15
Bo. bavar/ <i>Bo. garini</i> + Ap	1	0.45
<i>Bo. Afzelli/B.valaisiana</i> + <i>Rickettsia</i> spp	2	0.90
<i>Bo. Myiamotoi</i> + Ap	2	0.90
<i>Bo. bavar/ Bo. Garinii</i> + Ap + Neo.mik	1	0.45
Ap + <i>R.helvetica</i>	22	9.91
Ap + <i>R.monasensis</i>	7	3.15
Ap + <i>Theileria</i> spp.	2	0.90
Ap + <i>Hepatozoon</i> spp.	1	0.45
Ba/Bg/ <i>Bo.bavar/Bmiy</i> + Ap	30	13.51
<b>Number of ticks analyzed</b>	<b>222</b>	

Abbreviations: *B.*, *Borrelia*; *R.*, *Rickettsia*; *Ap*, *Anaplasma phagocytophilum*; *Nm*, *Neoehrlichia mikurensis*. <sup>a</sup> Obtained from supplementary table 1 of Borsan et al.,2021 [28].