

Supplementary Table 1. *Rhipicephalus (Boophilus) microplus* specimens collected in hosts and environment, during Spotted Fever focus investigation and environment surveillance performed in Brazil from 2011 to 2017

Region	State	Biome	Host/Environment (n)	Specimens	Sample tested	Sample positive
North	Roraima	Amazon Forest	<i>Bos taurus</i> (1)	4	2	0
			Subtotal	4	2	0
	Rondônia	Amazon Forest	Environment-pasture	374	4	0
			<i>Bos taurus</i> (2)	18	2	0
			Subtotal	392	6	0
Northeast	Ceará	Cerrado	<i>Bos taurus</i> (4)	19	11	2
			Subtotal	19	11	0
	Pernambuco	Caatinga and Atlantic Rainforest	<i>Bos taurus</i> (45)	432	101	4
			<i>Canis familiaris</i> (2)	10	3	0
			<i>Equus asinus</i> (1)	50	2	0
			<i>Equus caballus</i> (1)	21	4	0
			Subtotal	513	110	4
	Rio Grande do Norte	Caatinga	<i>Capra aegagrus hircus</i> (2)	4	4	0
			<i>Ovis aries</i> (1)	1	1	0
			Subtotal	5	5	0
	Rio Grande do Norte	Caatinga	<i>Bos taurus</i> (5)	50	8	0

			<i>Equus asinus</i> (2)	9	5	0
			<i>Equus caballus</i> (2)	23	4	0
			Subtotal	82	17	0
Central-West	Goiás	Cerrado	<i>Blastocerus dichotomus</i> (1)	6	4	0
			<i>Bos taurus</i> (6)	175	28	0
			Environment-pasture	411	9	1
			<i>Equus caballus</i> (3)	38	6	0
			<i>Myrmecophaga tridactyla</i> (1)	1	1	0
			<i>Tapirus terrestris</i> (1)	13	6	0
			Subtotal	644	54	1
Southeast	Espírito Santo	Atlantic Rainforest	<i>Bos taurus</i> (1)	98	49	0
			Environment-pasture	3365	13	0
			<i>Ovis aries</i> (2)	12	7	0
			Subtotal	3475	69	0
	Minas Gerais	Atlantic Rainforest and Cerrado	<i>Bos taurus</i> (33)	1040	171	1
			Environment-river bank	306	5	0
			<i>Ovis aries</i> (2)	11	7	0
			Subtotal	1357	183	1
	Rio de Janeiro	Atlantic Rainforest	<i>Bos taurus</i> (29)	429	92	0
			<i>Equus caballus</i> (20)	4	2	0

			Environment-farm	163	5	0
			Subtotal	596	99	0
	São Paulo	Atlantic Rainforest and Cerrado	<i>Bos taurus</i> (2)	74	10	1
			Subtotal	74	10	0
South	Paraná	Atlantic Rainforest	<i>Bos taurus</i> (11)	114	21	1
			Environment-river bank	18	2	1
			<i>Equus caballus</i> (4)	56	10	0
			Subtotal	188	33	2
	Santa Catarina	Atlantic Rainforest	Environment-farm	7	1	0
			<i>Bos taurus</i> (1)	5	1	0
			Subtotal	12	2	0
	Rio Grande do Sul	Atlantic Rainforest and Pampa	<i>Bos taurus</i> (4)	57	19	1
			Subtotal	57	19	1
Total				7418	620	12