

Supplementary documents:

Table S1. The list of negative and positive DNA controls, used to confirm the sensitivity and specificity of the PCR systems designed for this study.

Microorganism	Name	Origin
Bacteria	<i>Staphylococcus haemolyticus</i>	Laboratory colony
Bacteria	<i>Staphylococcus aureus</i>	Laboratory colony
Bacteria	<i>Rickettsia felis</i>	Laboratory colony
Bacteria	<i>Wolbachia</i> PL13	Laboratory colony
Bacteria	<i>Stenotrophomonas maltophilia</i>	Laboratory colony
Bacteria	<i>Acinetobacter</i> sp.	Laboratory colony
Bacteria	<i>Enterobacter aerogenes</i>	Laboratory colony
Bacteria	<i>Yersinia pestis</i>	Laboratory colony
Bacteria	<i>Rickettsia montanensis</i>	Laboratory colony
Lice	Head lice (<i>Pediculus humanus capitis</i>)	Homo sapiens (Amazonia)
Lice	<i>Pediculus humanus</i>	Laboratory breeding
Bacteria	<i>Ehrlichia</i>	Laboratory colony
Bacteria	<i>Coxiella burnetii</i>	Laboratory colony
Bacteria	<i>Borrelia recurrentis</i>	Laboratory colony
Bacteria	<i>Staphylococcus hominis</i>	Laboratory colony
Bacteria	<i>Asaia bogorensis</i>	Laboratory colony
Bacteria	<i>Haemophilus influenzae</i>	Laboratory colony
Bacteria	<i>Wolbachia</i>	Laboratory colony
Bacteria	<i>Anaplasma phagocytophilum</i>	Laboratory colony
Bacteria	<i>Enterobacter aerogenes</i>	Laboratory colony
Bacteria	<i>Acinetobacter baumannii</i>	Laboratory colony

Bacteria	<i>Streptococcus pneumoniae</i>	Laboratory colony
Bacteria	<i>Salmonella enterica</i>	Laboratory colony
Bacteria	<i>Citrobacter koseri</i>	Laboratory colony
Bacteria	<i>Gardnerella vaginalis</i>	Laboratory colony
Bacteria	<i>Streptococcus pyogenes</i>	Laboratory colony
Parasite	<i>Plasmodium falciparum</i>	Laboratory colony
Bacteria	<i>Rickettsia typhi</i>	Laboratory colony
Bacteria	<i>Enterococcus faecium</i>	Laboratory colony
Bacteria	<i>Streptococcus agalactiae</i>	Laboratory colony
Bacteria	<i>Rickettsia conorii</i>	Laboratory colony
Bacteria	<i>Asaia bogorensis</i>	Laboratory colony
Bacteria	<i>Bacillus thuringiensis</i>	Laboratory colony
Tick	<i>Amblyomma variegatum</i>	Senegal
Dog	DH62 cell line	Cell line
Tick	BME (<i>Rhipicephalus microplus</i>)	Cell line
Horse	CV.G 22 (<i>Equus caballus</i>)	French Guiana
Donkey	ANE 4 (<i>Equus asinus</i>)	Egypt
Human	HL60 cell line (<i>Homo sapiens</i>)	Cell line
Mouse	L929 cell line	Cell line
Flea	<i>Ctenocephalides felis</i>	Laboratory colony
Bedbugs	<i>Cimex lectularius</i>	Laboratory colony
Tick	<i>Hyalomma marginatum</i>	Senegal
Bacteria	<i>Bartonella henselae</i>	Laboratory colony
Bacteria	<i>Bartonella</i> sp.	Laboratory colony
Bacteria	<i>Rickettsia canadensis</i>	Laboratory colony
Bacteria	<i>Bartonella quintana</i>	Laboratory colony

Bacteria	<i>Rickettsia australis</i>	Laboratory colony
Bacteria	<i>Borrelia crocudurae</i>	Laboratory colony
Parasite	<i>Hepatozoon canis</i>	Laboratory colony
Parasite	<i>Dirofilaria immitis</i>	Laboratory colony
Parasite	<i>Trypanosoma evansi</i>	Laboratory colony
Parasite	<i>Leishmania</i>	Laboratory colony
Parasite	<i>Leishmania major</i>	Laboratory colony
Parasite	<i>Trypanosoma congolense</i>	Laboratory colony
Parasite	<i>Trypanosoma gambiense</i>	Laboratory colony
Bacteria	<i>Streptobacillus moniliformis</i>	Laboratory colony
Bacteria	<i>Borrelia theileri</i>	Laboratory colony
Bacteria	<i>Borrelia</i> sp.	Laboratory colony
Bacteria	<i>Vibrio cholerae</i>	Laboratory colony
Bacteria	<i>Treponema pallidum</i>	Laboratory colony