Additional file 4: Table S3. List of *Brucella* DNA samples tested with CUMA. DNA samples came from the following institutions, Louisiana State University (LSU), California Department of Health Services (CDHS), U.S. Armed Forces Institute of Pathology (AFIP), Alaska Public Health Laboratory (APHL), Brigham Young University (BYU), U.S. Centers for Disease Control (CDC), USDA-National Animal Disease Center (NADC), and the Arizona Department of Health Services (ADHS). Samples with a species name in the branch column were genotyped as that species using assays in (Foster et al. 2008) but gave all ancestral SNP alleles in our assays. Assays for *B. abortus* in blue *B. melitensis* in pink, and *B. suis/canis* in green, which correspond to the branches in Fig. 1. The 85 samples also run in the MIP assay have an asterisk, except for 3 samples not run on CUMA. Samples likely mislabeled, due to incorrect branch assignment based on species/biovar, are highlighted in yellow.

Sample name	Species	Biovar	2366 A	1562 B	4748 B	2922 C	991 C	1344 D	3740 D	1522 E	5754 E	6214 F	2995RC G	8872 G	1688 H	5362 I	8306 I	10621 J	10621RC J	Branch	Collection Locale	Originating institution
2308*	*B. abortus*	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	A	---	LSU
2308MR	*B. abortus*	1	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	B	---	LSU
PHE1	*B. abortus*	1	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	-	0	B	---	LSU
S19*	*B. abortus*	1	0	1	1	-	1	0	0	1	1	0	0	0	0	0	0	-	0	B	---	LSU
B.canis	*B. canis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	J	---	LSU
REV-1*	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	-	0	H	---	LSU
B.neotomae	*B. neotomae*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	no derived	---	LSU
LSU1*	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	---	LSU
LSU2	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	-	0	0	0	H	---	LSU
LSU3	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	---	LSU
LSU4	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	---	LSU
96A3121	*B. suis*	-	0	0	-	0	0	0	0	0	0	0	0	0	0	1	1	-	0	I	CA, USA	CDHS
90A6673	*B. suis*	-	0	0	-	0	0	0	-	0	0	0	0	0	0	1	1	0	0	I	CA, USA	CDHS
90A6672	*B. suis*	-	0	0	0	0	-	0	-	0	0	0	0	0	0	1	1	0	0	I	CA, USA	CDHS
88A3664	*B. suis*	-	0	0	0	0	-	0	-	0	0	0	0	0	0	1	-	0	0	I	CA, USA	CDHS
84A7314	*B. suis*	-	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	suis	CA, USA	CDHS
85A402	*B. suis*	-	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	suis	CA, USA	CDHS
81A733	*B. suis*	-	0	0	-	0	0	0	0	0	0	0	0	0	0	1	-	0	0	I	CA, USA	CDHS
7335-1-74	*B. suis*	-	0	0	-	0	0	0	-	0	0	0	0	0	0	1	1	0	0	I	CA, USA	CDHS
85A1413	*B. abortus*	-	0	1	-	-	1	0	0	-	-	0	0	0	0	0	-	0	0	B	CA, USA	CDHS
85A2208	*B. abortus*	-	0	0	0	0	-	1	1			0	0	0	0	0	-	0	0	D	CA, USA	CDHS
94A5678	*B. abortus*	-	0	0	0	0	0	-	1	1	1	0	0	0	0	0	0	-	0	D	CA, USA	CDHS
94A1027	*B. abortus*	-	0	0	0	0	-	0	0	-	1	0	0	0	0	0	0	-	0	E	CA, USA	CDHS
93A4387	*B. abortus*	-	-	-	0	0	0	0	-	-	1	0	0	-	0	0	0	0	0	E	CA, USA	CDHS
91A3727	*B. abortus*	-	0	0	0	-	-	1	1	-	1	0	0	0	0	0	0	0	0	D	CA, USA	CDHS
91A1150	*B. abortus*	-	0	0	0	0	-	0	0	1	1	0	0	0	0	0	0	0	0	E	CA, USA	CDHS
90A7689	*B. abortus*	-	0	0	0	0	-	1	1	-	1	0	0	0	0	0	0	0	0	D	CA, USA	CDHS
89A585	*B. abortus*	-	0	0	0	0	-	0	0	-	1	0	0	0	0	0	-	0	0	E	CA, USA	CDHS
87A6250	*B. abortus*	-	0	0	0	0	0	1	1	-	1	0	0	0	0	0	0	0	0	D	CA, USA	CDHS
86A4573	*B. abortus*	-	0	0	0	0	0	1	1	1	1	0	0	0	0	0	-	0	0	D	CA, USA	CDHS
92A1253	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	CA, USA	CDHS
91A1655	*B. melitensis*	-	0	-	0	0	0	0	-	0	0	0	0	0	1	-	0	0	0	H	CA, USA	CDHS
85A2734	*B. melitensis*	-	0	0	-	-	-	0	0	0	0	0	1	1	1	-	0	0	0	G	CA, USA	CDHS
85A1309	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	-	0	-	0	H	CA, USA	CDHS
85A548	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	-	0	0	0	H	CA, USA	CDHS
83A8405	*B. melitensis*	-	0	0	0	0	-	0	0	0	0	0	0	0	1	-	0	0	0	H	CA, USA	CDHS
83A4984	*B. melitensis*	-	0	0	0	0	0	0	0	-	-	0	0	0	1	0	-	0	0	H	CA, USA	CDHS
82A8164	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	CA, USA	CDHS
82A5405	*B. melitensis*	-	0	0	0	0	-	0	-	0	0	0	0	0	1	0	0	0	0	H	CA, USA	CDHS
81A7993	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	CA, USA	CDHS
81A3047	*B. melitensis*	-	0	0	0	0	-	0	0	0	0	0	0	0	1	-	0	0	0	H	CA, USA	CDHS
82A324*	*B. canis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	J	CA, USA	CDHS
16M*	*B. melitensis*	1	0	0	-	0	-	0	0	0	0	0	0	0	0	-	-	-	-	melitensis	---	AFIP
63/9*	*B. melitensis*	2	0	0	0	0	-	0	0	0	0	0	0	0	0	-	-	0	0	melitensis	---	AFIP
Ether	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	---	AFIP
F3582*	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	AFIP
F7137	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	AFIP
G3195 #1	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	AFIP
G3314*	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	-	H	IL, USA	AFIP
G3315	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	AFIP

G3339	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	IL, USA	AFIP
G5013	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	AFIP
G5251*	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	-	H	IL, USA	AFIP
G6315	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	IL, USA	AFIP
G6528	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	J	IL, USA	AFIP
G7668	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	-	H	IL, USA	AFIP
G8496	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	-	H	IL, USA	AFIP
G9586	*B. melitensis*	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	-	H	IL, USA	AFIP
G9589	*B. melitensis*	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	-	H	IL, USA	AFIP
G9968*	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	-	-	H	IL, USA	AFIP
G9969	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	AFIP
H0010	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	-	-	H	IL, USA	AFIP
H0011	*B. melitensis*	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	-	H	IL, USA	AFIP
H0451	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	-	H	IL, USA	AFIP
H0769	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	melitensis	IL, USA	AFIP
H0866	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	melitensis	IL, USA	AFIP
F1850	*B. melitensis*	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	-	melitensis	IL, USA	AFIP
F2225	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	---	AFIP
F2952	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	-	H	IL, USA	AFIP
F6679	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	AFIP
F7476	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	-	H	IL, USA	AFIP
F8205	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	-	H	IL, USA	AFIP
G1937	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	AFIP
G2009	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	IL, USA	AFIP
G6191	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	G	IL, USA	AFIP
G7080	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	-	0	H	IL, USA	AFIP
G8551	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	AFIP
G9560	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	AFIP
H0110	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	AFIP
H0369	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	IL, USA	AFIP
H0687	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	-	-	H	IL, USA	AFIP
H0965	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	AFIP
H0986*	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	-	G	IL, USA	AFIP
H0999	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	-	H	IL, USA	AFIP
H1105*	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	melitensis	IL, USA	AFIP
H1300	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	-	0	H	IL, USA	AFIP
G6916	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	AFIP
G8755	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	-	H	IL, USA	AFIP
G9870	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	-	-	H	IL, USA	AFIP
G8027	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	AFIP
G5677	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	IL, USA	AFIP
E8128	*B. melitensis*	1	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	melitensis	IL, USA	AFIP
G9809	*B. melitensis*	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	-	0	H	IL, USA	AFIP
E8129	*B. melitensis*	1	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	melitensis	IL, USA	AFIP
E8127	*B. melitensis*	1	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	IL, USA	AFIP
E8130	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	IL, USA	AFIP
G9482	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	AFIP
H0128	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	HI, USA	AFIP
H0077	*B. melitensis*	2	0	-	-	-	-	0	0	0	-	0	0	0	-	0	0	-	-	no call	IL, USA	AFIP
G5353	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	IL, USA	AFIP
E8117	*B. melitensis*	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	IL, USA	AFIP
H0130	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	AFIP
G9248*	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	AZ, USA	AFIP
F4018	*B. melitensis*	2	0	0	0	0	0	-	-	0	0	0	0	0	0	0	0	0	0	melitensis	Saudi Arabia	AFIP
G9879	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	AFIP
H1679	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	OH, USA	AFIP
H1962	*B. melitensis*	2	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	G	UT, USA	AFIP
H1982*	*B. melitensis*	2	0	0	0	-	-	-	-	0	0	0	0	0	1	0	0	-	-	H	---	AFIP
H1992	*B. melitensis*	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	MO, USA	AFIP
H2011*	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	AR, USA	AFIP
H2019	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	MO, USA	AFIP
40*	*B. suis*	4	0	0	-	0	0	0	0	0	0	0	0	0	0	1	1	0	0	I	---	AFIP
G8920*	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	suis	IL, USA	AFIP
G8756	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	1	1	0	0	I	IL, USA	AFIP
F0531	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	1	1	0	0	I	IL, USA	AFIP
F1183	*B. suis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	I	FL, USA	AFIP
F1277A	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	-	1	-	-	I	DL, USA	AFIP
F1277B	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	suis	DL, USA	AFIP
F1651A	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	1	1	0	0	I	GA, USA	AFIP
F1651B	*B. suis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	I	GA, USA	AFIP
F4390*	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	1	1	0	0	I	LA, USA	AFIP

F4560A	*B. suis*	-	0	0	-	0	0	0	0	0	0	0	0	0	0	1	1	0	0	I	GA, USA	AFIP
F4560B	*B. suis*	-	0	0	-	0	0	0	0	0	0	0	0	0	0	1	1	0	0	I	GA, USA	AFIP
G4520	*B. suis*	-	0	0	-	0	0	0	0	0	0	0	0	0	0	1	1	0	0	I	FL, USA	AFIP
G6656	*B. suis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	suis	GA, USA	AFIP
G7644	*B. suis*	-	0	0	-	0	0	0	0	0	0	0	0	0	0	-	-	0	0	no call	GA, USA	AFIP
G9049A	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	1	1	0	0	I	GA, USA	AFIP
G9049B	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	-	-	0	0	no call	GA, USA	AFIP
G9880	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	1	-	0	0	I	GA, USA	AFIP
G9949	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	1	1	0	0	I	NC, USA	AFIP
H0117*	*B. suis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	I	HI, USA	AFIP
H0134A	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	1	-	0	0	I	GA, USA	AFIP
H0134B	*B. suis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	0	no call	GA, USA	AFIP
544*	*B. abortus*	1	0	0	0		1	0	0	1	1	0	0	0	0	-	-	0	0	C	---	AFIP
86/8/59*	*B. abortus*	2	0	0	0	0	-	0	0	1	1	0	0	0	0	0	0	0	0	E	---	AFIP
292	*B. abortus*	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	abortus	---	AFIP
B3196*	*B. abortus*	5	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	-	0	abortus	---	AFIP
870*	*B. abortus*	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	abortus	---	AFIP
63/75*	*B. abortus*	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	abortus	---	AFIP
C68*	*B. abortus*	9	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	abortus	---	AFIP
F4552	*B. abortus*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	abortus	IL, USA	AFIP
F4902*	*B. abortus*	-	0	0	0	0	0	-	-	0	0	0	0	0	0	0	0	0	0	abortus	IL, USA	AFIP
RM-6/66	*B. canis*	-	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	1	1	J	---	AFIP
63/290	*B. ovis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	no derived	---	AFIP
5K33	*B. neotomae*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	no derived	---	AFIP
H0877	*B. melitensis*	1	0	-	0	-	-	-	-	0	0	0	0	-	1	-	-	-	-	H	CA, USA	AFIP
A8915	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	NM, USA	AFIP
G1374	*B. melitensis*	3	0	0	0	0	0	-	-	0	0	0	-	0	1	0	0	-	-	H	AZ, USA	AFIP
G7402	*B. melitensis*	1	0	0	0	0	0	-	-	0	0	0	0	0	1	0	0	-	0	H	AZ, USA	AFIP
F8672*	*B. canis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	J	NM, USA	AFIP
G8963	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	melitensis	AZ, USA	AFIP
G4087	*B. melitensis*	-	-	-	0	-	-	-	-	0	-	-	0	-	1	-	-	-	-	H	---	AFIP
G9088	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	NC, USA	AFIP
G9272	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	AZ, USA	AFIP
F1063	*B. abortus*	-	0	0	0	0	-	-	-	0	-	0	0	0	0	-	-	-	-	abortus	NV, USA	AFIP
F4849	*B. melitensis*	-	0	0	0	0	0	-	-	0	-	0	0	0	0	0	0	-	-	melitensis	NM, USA	AFIP
H1090	*B. abortus*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	abortus	NM, USA	AFIP
H1224	*B. melitensis*	1	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	CA, USA	AFIP
H0852	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	MN, USA	AFIP
G6596	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	G	CA, USA	AFIP
G9535	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	-	0	0	0	H	NM, USA	AFIP
G9226	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	G	AZ, USA	AFIP
G8962	*B. melitensis*	3	0	0	0	-	-	-	-	0	-	0	0	0	0	-	-	-	-	melitensis	IL, USA	AFIP
E9296	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	-	-	G	AZ, USA	AFIP
E7439	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	AZ, USA	AFIP
G9210	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	AZ, USA	AFIP
G9268*	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	AZ, USA	AFIP
G9184	*B. melitensis*	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	AZ, USA	AFIP
G9617	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	NM, USA	AFIP
G9249	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	G	AZ, USA	AFIP
G9193	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	AZ, USA	AFIP
G1688	*B. melitensis*	-	0	0	0	0	-	-	-	0	0	0	0	0	1	0	0	-	-	H	NM, USA	AFIP
G9295	*B. abortus*	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	-	0	H	AZ, USA	AFIP
F7914	*B. melitensis*	-	0	0	0	0	0	-	-	0	0	0	0	0	0	0	0	0	0	melitensis	IL, USA	AFIP
G9481	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	AZ, USA	AFIP
E7479	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	G	CA, USA	AFIP
G7367	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	CA, USA	AFIP
G9319	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	NM, USA	AFIP
MEX349*	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	---	AFIP
MEX350*	*B. melitensis*	-	0	0	0	0	0	-	-	0	-	0	1	1	1	0	0	-	0	G	---	AFIP
MEX351*	*B. melitensis*	-	0	0	0	0	0	-	0	0	0	0	1	1	1	0	0	0	0	G	---	AFIP
MEX352*	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	-	-	G	---	AFIP
G6605	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	NE, USA	AFIP
991633*	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	---	AFIP
9916342	*B. melitensis*	-	0	-	0	-	-	-	-	0	-	0	0	0	0	-	0	-	-	melitensis	---	AFIP
9916349	*B. melitensis*	-	-	-	0	-	-	-	-	0	-	0	0	-	0	-	0	-	-	melitensis	---	AFIP
9916361*	*B. melitensis*	-	0	-	-	-	0	-	-	0	0	0	0	0	0	-	0	-	-	melitensis	---	AFIP
9916364	*B. melitensis*	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	melitensis	---	AFIP
9916371*	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	---	AFIP
9916372	*B. melitensis*	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	melitensis	---	AFIP
8	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	---	AFIP
200	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	-	0	-	0	0	0	0	0	melitensis	---	AFIP

2054	*B. melitensis*	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	melitensis	---	AFIP
2310*	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	---	AFIP
3857	*B. melitensis*	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	melitensis	---	AFIP
3859	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	---	AFIP
4552	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	---	AFIP
4553*	*B. melitensis*	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	melitensis	---	AFIP
378*	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	-	0	-	0	0	0	0	0	melitensis	---	AFIP
5490	*B. melitensis*	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	melitensis	---	AFIP
6912	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	---	AFIP
6913	*B. melitensis*	-	0	-	0	0	0	0	-	0	-	0	0	0	0	0	0	-	-	melitensis	---	AFIP
7445	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	---	AFIP
John David*	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	---	AFIP
6911	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	---	AFIP
84A7314	*B. suis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	suis	---	AFIP
9109	*B. melitensis*	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	melitensis	---	AFIP
9110*	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	---	AFIP
9916381	*B. melitensis*	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	melitensis	---	AFIP
9916388	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	---	AFIP
9916395*	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	---	AFIP
9916395*	*B. melitensis*	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	melitensis	---	AFIP
9916397	*B. melitensis*	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	melitensis	---	AFIP
9916693*	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	---	AFIP
4942*	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	---	AFIP
Cal/Dolphin 1312*	*B. ceti*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	no derived	CA, USA	AFIP
7-269 1523	*B. pinnipedialis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	no derived	---	AFIP
54/94 1491	*B. pinnipedialis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	no derived	UK	AFIP
40/94 1509	*B. pinnipedialis*	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	no derived	UK	AFIP
7-324*	*B. pinnipedialis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	no derived	---	AFIP
6-408 1521	*B. pinnipedialis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	no derived	---	AFIP
Dolphin 1258	*B. ceti*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	no derived	---	AFIP
Dol/Plac	*B. ceti*	-	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	no derived	---	AFIP
44/94*	*B. pinnipedialis*	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	no derived	UK	AFIP
48/94	*B. pinnipedialis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	no derived	UK	AFIP
6-566 1522	*B. pinnipedialis*	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	no derived	---	AFIP
BD0018	*B. canis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	J	---	BDAP
BD0019*	*B. abortus*	-	0	-	1	1	1	0	0	-	1	0	0	0	0	0	0	-	0	B	---	BDAP
BD0021	*B. abortus*	-	0	1	1		1	0	0	1	1	0	0	0	0	-	0	-	-	B	---	BDAP
BD0022*	*B. suis*	-	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	suis	---	BDAP
BD0023	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	melitensis	---	BDAP
BD0024	*B. neotomae*	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	no derived	---	BDAP
BD0025*	*B. suis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	J	---	BDAP
BD0026	*B. neotomae*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	no derived	---	BDAP
BD0027*	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	melitensis	---	BDAP
BD0028	*B. suis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	I	---	BDAP
B. abortus #1	*B. abortus*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	abortus	AK, USA	APHL
B. abortus #2	*B. abortus*	-	0	0	0	-	1	0	0	1	1	0	0	0	0	0	0	0	0	C	AK, USA	APHL
B. ANMC #3	*B. canis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	J	AK, USA	APHL
B. ANMC37 #4	*B. canis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	J	AK, USA	APHL
B. canis #5	*B. canis*	-	0	0	-	0	0	0	0	0	0	0	0	0	0	-	0	1	1	J	AK, USA	APHL
B. melitensis #6	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	AK, USA	APHL
B. suis #7*	*B. suis*	-	0	0	-	0	0	0	0	0	0	0	0	0	0	-	0	0	0	suis	AK, USA	APHL
BA 7	*B. abortus*	-	0	0	0	0	0	-	1	1	1	-	0	0	0	-	0	0	0	D	---	unknown
Canis5*	*B. canis*	-	0	0	-	0	-	-	-	0	-	-	-	-	-	-	-	1	1	J	---	unknown
67080	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	-	1	1	-	0	0	0	G	---	unknown
E8117	*B. melitensis*	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	unknown
G8551	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	IL, USA	unknown
F0531	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	1	-	0	0	I	IL, USA	unknown
2308MR	*B. abortus*	1	0	1	1	-	1	0	0	1	1	0	0	0	0	0	0	0	0	B	---	unknown
Neotomae7	*B. neotomae*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	no derived	---	unknown
Bm6	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	---	unknown
REV1	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	---	unknown
PHE1	*B. abortus*	1	0	1	1	-	1	0	0	1	1	-	0	0	0	0	0	0	0	B	---	unknown
Abortus2308	*B. abortus*	1	0	1	1	-	1	0	0	1	1	0	0	0	0	0	0	0	0	B	---	unknown
B.suis23444	*B. suis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	I	---	Battelle
RB51	*B. abortus*	1	0	-	0	-	1	0	0	-	1	0	0	0	0	0	0	-	-	C	---	BYU
2016 #1001*	*B. abortus*	1	0	0	0	0	0	-	1	1	1	0	0	0	0	0	0	0	0	D	MS, USA	BYU
2018 #1002	*B. abortus*	1	0	0	0	0	0	-	1	1	1	0	0	0	0	0	0	0	0	D	CA, USA	BYU
2019 #1003	*B. abortus*	1	0	0	0	0	0	-	1	1	1	0	0	0	0	0	0	0	0	D	CA, USA	BYU
2033 #1005	*B. abortus*	1	0	0	0	0	0	-	1	1	1	0	0	0	0	0	0	0	0	D	MO, USA	BYU
2042 #1006*	*B. abortus*	1	0	1	1	1	1	0	0	1	1	-	0	0	0	0	0		0	B	FL, USA	BYU
2045 #1007*	*B. abortus*	1	0	0	0	0	0	1	1	-	1	0	0	0	0	0	0	0	0	D	FL, USA	BYU

2051 #1011*	*B. abortus*	1	0	1	1	-	1	0	0	1	1	0	0	0	0	0	-	-	0	B	OK, USA	BYU
1135 #aej*	*B. abortus*	-	0	1	1	-	1	0	0	1	1	0	0	0	0	0	0	0	0	B	---	BYU
2308 #772	*B. abortus*	1	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	B	---	BYU
00-666 #1668*	*B. abortus*	4	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	C	WY, USA	BYU
00-671 #1669*	*B. abortus*	4	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	C	WY, USA	BYU
0-508 #1218*	*B. abortus*	1	0	0	0	0	0	-	1	1	1	0	0	0	0	0	0	0	0	D	ND, USA	BYU
0-642 #1217*	*B. abortus*	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	D	ND, USA	BYU
19 #1135*	*B. abortus*	1	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	-	-	B	---	BYU
2040 #1020*	*B. abortus*	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	D	TN, USA	BYU
2052 #1012*	*B. abortus*	1	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	B	OK, USA	BYU
2054 #1021*	*B. abortus*	1	0	1	1	1	-	0	0	1	1	0	0	0	0	0	0	0	0	B	NM, USA	BYU
2073 #1022*	*B. abortus*	1	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	B	GA, USA	BYU
2100 #1026*	*B. abortus*	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	D	GA, USA	BYU
2-1230 #1206	*B. abortus*	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	D	MT, USA	BYU
2158 #1048*	*B. abortus*	1	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	C	KS, USA	BYU
2256 #1042*	*B. abortus*	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	D	AZ, USA	BYU
2257 #1043*	*B. abortus*	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	D	AR, USA	BYU
2471 #1090*	*B. abortus*	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	D	KY, USA	BYU
3 #1332*	*B. abortus*	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	D	KS, USA	BYU
544 #698	*B. abortus*	1	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	C	---	BYU
8-953 #1146	*B. abortus*	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	D	MT, USA	BYU
1-107 #1107*	*B. canis*	-	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	1	1	J	MO, USA	BYU
1-271 #1115*	*B. canis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	J	MO, USA	BYU
1-324 #1109*	*B. canis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	J	MO, USA	BYU
5K33 #1107*	*B. neotomae*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	no derived	USA	BYU
1-139 #1113*	*B. ovis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	no derived	KS, USA	BYU
1-507 #1117	*B. ovis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	no derived	GA, USA	BYU
63/290 #1155	*B. ovis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	no derived	USA	BYU
40/67 #1154	*B. suis*	4	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	1	1	J	USA	BYU
1-138 #1108*	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	-	1	0	0	I	NJ, USA	BYU
2366 #1071*	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	-	1	0	0	I	IA, USA	BYU
2367 #1072	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	-	1	0	0	I	IA, USA	BYU
2483 #1103	*B. suis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	-	1	0	0	I	SC, USA	BYU
40 #1154(2)	*B. suis*	4	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	suis	USA	BYU
ATCC23444*	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	-	1	0	0	I	---	BYU
ATCC23447	*B. suis*	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	J	---	BYU
Thomsen #1152	*B. suis*	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	suis	USA	BYU
BA1	*B. abortus*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	abortus	AZ, USA	ADHS
BA2	*B. abortus*	-	0	0	0	0	0	0	0	1		-	0	0	0	-	-	-	0	E	AZ, USA	ADHS
BM1	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	melitensis	AZ, USA	ADHS
BM2	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	melitensis	AZ, USA	ADHS
BM3	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	AZ, USA	ADHS
BM4	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	G	AZ, USA	ADHS
BS1	*B. suis*	-	0	0	-	0	0	0	0	0	0	0	0	0	0	-	0	0	0	suis	AZ, USA	ADHS
2007008533	*B. abortus*	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	E	USA	CDC
2006001739	*B. abortus*	1	0	1	1	-	1	0	0	1	1	0	0	0	0	-	-	0	0	B	USA	CDC
2002034574	*B. abortus*	4	0	1		-	1	0	0	1		0	0	0	0	0	0	-	0	B	USA	CDC
2002026227	*B. abortus*	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	abortus	USA	CDC
2002034902	*B. abortus*	1	0	1	-	-	1	0	0	1	1	0	0	0	0	0	0	0	0	B	USA	CDC
2002034960	*B. abortus*	1	0	1	-	-	-	0	0	1	1	0	0	0	0	0	0	0	0	B	USA	CDC
2004017504	*B. abortus*	2	0	0	0	-	1	0	0	1	1	0	0	0	0	0	0	0	0	C	USA	CDC
2006014040	*B. abortus*	1	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	B	USA	CDC
2002000613	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	melitensis	USA	CDC
2001038790	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	melitensis	USA	CDC
2001034489	*B. melitensis*	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	USA	CDC
2000031719	*B. melitensis*	2	-	0	0	0	0	0	0	-	0	0	0	-	1	0	0	0	0	H	USA	CDC
2002020524	*B. melitensis*	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	melitensis	USA	CDC
2004017502	*B. melitensis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	melitensis	USA	CDC
2006004348	*B. ovis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	no derived	USA	CDC
2002013049	*B. ovis*	-	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	no derived	USA	CDC
2003007064	*B. ovis*	-	0	0	0	0	-	-	-	0	-	0	0	0	0	0	0	0	0	no derived	USA	CDC
2004017518	*B. ovis*	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	no derived	USA	CDC
2007005564	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	1	-	0	0	I	USA	CDC
2005013583	*B. suis*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	I	USA	CDC
2005013756	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	1	-	0	0	I	USA	CDC
2004017627	*B. suis*	1	0	0	-	0	0	0	0	0	0	0	0	0	0	-	-	0	0	no call	USA	CDC
#0122036	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	-	-	0	0	H	AZ, USA	ADHS
#01043503	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	H	AZ, USA	ADHS
ID04-0970002449	*B. melitensis*	-	0	0	0	0	-	-	-	0	-	0	-	0	-	-	-	-	0	no call	CA, USA	ADHS
ID05-2010006921	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	-	0	0	0	H	AZ, USA	ADHS
BT06-1520000049	*B. suis*	-	0	0	-	0	0	0	0	0	0	0	0	0	0	-	-	0	0	no call	AZ, USA	ADHS

BT06-2340000116	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	0	0	0	1	-	-	-	0	H	AZ, USA	ADHS
BT07-0360000003	*B. melitensis*	-	-	0	-	0	0	0	0	-	0	-	0	-	0	-	-	-	0	melitensis	AZ, USA	ADHS
BT07-0640000010	*B. melitensis*	-	0	0	0	0	0	0	0	0	0	-	1	1	1	0	0	0	0	G	AZ, USA	ADHS
PB07-115001	*B. abortus*	-	0	1		-	1	0	0	1	1	-	0	0	0	0	0	0	0	B	AZ, USA	ADHS
PB07-221001	*B. melitensis*	-	0	0	-	-	0	-	0	-	-	-	-	-	1	-	-	-	0	H	AZ, USA	ADHS
ID05	*B. canis*	-	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	1	1	J	AZ, USA	ADHS