

Table S1: Samples order used in Bruce-ladder (A) and AMOS (B) multiplex PCR assays and the descriptive information of the gel images.

LANES	SAMPLES	SPECIES	BRUCE-LADDER ^a	AMOS ^a
1	100 bp+ DNA marker: 3000; 2000; 1500; 1000; 900; 800; 700; 600; 500; 400; 300; 200; 100			
2	SA-JERSEY	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
3	SA-594	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
4	SA- 1258	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
5	SA-97	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
6	SA-S51	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
7	SA-5423 [#]	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
8	SA-BA34	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
9	SA-BA41	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
10	100 bp+ DNA marker			
11	SA-4408	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
12	SA-5423/1	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
13	SA-5423/2	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
14	SA-5423/3	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
15	SA-5513	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
16	SA-5569	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
17	SA-5672	<i>Brucella abortus</i> S19	1682, 794, 450 & 152	498
18	SA-5685	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
19	100 bp+ DNA marker			
20	SA-5706/1	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
21	SA-5706/2	<i>Brucella abortus</i> S19	1682, 794, 450 & 152	498
22	SA-5706/3	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
23	SA-RC48 ^b	<i>Brucella ovis</i>	1071, 794, 587, 450 & 152	976
24	ZW011 ^b	<i>Brucella suis</i>	1071, 794, 587, 450, 272 & 152	285
25	86/6/59 ^b	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
26	63/290 ^b	<i>Brucella ovis</i>		976
27	544 ^b	<i>Brucella abortus</i>	1682, 794, 587, 450 & 152	498
28	Rev1 ^b	<i>Brucella melitensis</i> Rev1	1682, 1071, 794, 587, 450, 218 & 152	731
29	NEGATIVE	Control	N/A	N/A
30	100 bp+ DNA marker			

^aAssay fragment sizes in bp; ^bPositive controls; # mistakenly listed as SA-2534 instead of SA-5423

Table S2: Clean unique variants of the South African strains

>2017.TE.25009.1.5

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