

Appendix Table 1. Sequence information of probes and primer pairs\*

Organism	Target gene	Accession no.	Probe sequences and primer sequences (5'-3')	PCR product (bp)	Name
<i>Bacillus anthracis</i>	<i>capA</i>	M24150	P: 5'-CCGAGTCCTAGACAGGAAGCCTTAGCAAAAGCAATGGTTGATGCAGGGGC-3' F: 5'-GGGGGGAAGAATACGATAAT-3'; R: 5'-GTTCTTGCCATCCTTGGTC-3'	188	BA1
			P: 5'-ACGCACTGGGGGGAAGAATACGATAATAAACCGAGTCCTAGACAGGAAGC-3' F: 5'-TAGTAAATACGCACTGGGT-3'; R: 5'-CATCCTTGGTCAAACACAAA-3'	194	BA2
	<i>pagA</i>	M22589	P: 5'-GGAAGAGTGAGGGTGATACAGGCTCGAACTGGAGTGAAGTGTACCAGCA-3' F: 5'-AAAATGGAAGAGTGAGGGTG-3'; R: 5'-CCGCCTTCTACCAGATTTA-3'	120	BA3
			P: 5'-TGTATCACCAGAGGCAAGACACCCCTTGTGGCAGCTTATCCGATTGTAC-3' F: 5'-TGTATCACCAGAGGCAAGAC-3'; R: 5'-TTCTGTGTGGATTGATCCTC-3'	106	BA4
	SASP-B	AF359938	P: 5'-GAAGCTAAGAAAGCGCAAGCTTCTGGTGCTAGATTCAAAGCACAATGC-3' F: 5'-GTAAAACAAGCAAACGCACA-3'; R: 5'-GATTGTGATTGTTTTGCAGC-3'	162	BA5
			P: 5'-CAAGCAGTAAAACAAGCAAACGCACAATCAGAAGCTAAGAAAGCGCAAGC-3' F: 5'-TTTGCAGCTGAAACAATGT-3'; R: 5'-ATGCACGCTGTTTTCAGTTG-3'	142	BA6
<i>Brucella melitensis</i>	Sequence between BME11658 and BME11659†	AE009601	P: 5'-AGGTGTCATTAGGCTTGCTTGTGGACGAGAGAACGGTGGACCAAGGGAGA-3' F: 5'-TCCGAGGGTAAACACCTAAG-3'; R: 5'-ACTCACGGACAGCATTAGGT-3'	181	BM1
			P: 5'-CTCTCACGGTCCCCATAATGGAGAGTGATCCGAGGGTAAACACCTAAGGG-3' F: 5'-TCTCTCACGGTCCCCATAAT-3'; R: 5'-AGCAAGCCTAATGACACCTT-3'	147	BM2
<i>Clostridium botulinum</i>	Random chromosomal DNA fragment‡	NA	P: 5'-CATCTTCACGGAGGTGAACAAGCCTCCATGTTTCGACGGTAACCCAGAAGC-3' F: 5'-AGATCAGAAGGATGACCGC-3'; R: 5'-ACTCTTGGACATTGGGGTAA-3'	173	CB1
			P: 5'-CCACCGGAGTGCCGGAAGATCAGAAGGATGTACCGCTAGTAACATCATCT-3' F: 5'-AATAATACGCCTATGACGCC-3'; R: 5'-TAAACCTTTTGCCTGTCCACC-3'	163	CB2
<i>Yersinia pestis</i>	Plasminogen activator	M27820	P: 5'-GGACGTCTCTGGCTTCCGGGTCAGGTAATATGGATGACTACGACTGGATG-3' F: 5'-CAAAAATGTCGCTATCCTGA-3'; R: 5'-GGTCATATTCATTGGCATGA-3'	201	YP1
			P: 5'-TCCATACTCATTCTGACCCTGAATGCCAGGGGGTGGACGTCTCTGGCTT-3' F: 5'-ACGCAGAAAACAGGAAGAAAG-3'; R: 5'-CATCCAGTCGTAGTCATCCA-3'	168	YP2
<i>Bacillus thuringiensis kurstaki</i>	<i>cry1A</i>	AY225453	P: 5'-TGGTCAGGGCATCAAATAATGGCTTCTCTGTGCGGTTTTTCGGGGCCAGA-3' F: 5'-TATTATTGGTCAGGGCATCA-3'; R: 5'-GTTCTATACACGCCCTGACC-3'	144	BTK1
			P: 5'-GGTAGTTTTTCGAGGCTCGGCTCAGGGCATAGAAAGAAGTATTAGGAGTCC-3' F: 5'-TGATGGTAGTTTTTCGAGGCT-3'; R: 5'-CGACAGGAGAAGCCATTATT-3'	153	BTK2
Vaccinia virus	Thymidine kinase	U94848	P: 5'-CGTATGGCAAACGAAGGAAAAATAGTTATAGTAGCCGACTCGATGGGAC-3' F: 5'-ATTCTGTGAGCGTATGGCAA-3'; R: 5'-TCTATCTCGGTTTCTCACC-3'	199	VA1
			P: 5'-GGCGGACATATTCAGTTGATAATCGGCCCATGTTTTTCAGGTAAGTAC-3' F: 5'-GGCGGACATATTCAGTTGAT-3'; R: 5'-GCTTCCAATGCTTCAAAT-3'	183	VA2
<i>Francisella tularensis</i>	<i>fopA</i>	AF097542	P: 5'-GGTTCAGCTACAGCATCTATCGTGCAGGTTTCAGATAATATCGATACATC-3' F: 5'-TTAGGTTTCAGCTACAGCATC-3'; R: 5'-TGTCCTTGTAGTCAAAGCG-3'	155	FT1
			P: 5'-CATCAGCAAACACTAATTCAGCTACTACACAAAGCAGTGGTTTTGCAGCT-3' F: 5'-TCAGCTACAGCATCTATCGC-3'; R: 5'-TGTCCTTGTAGTCAAAGCG-3'	149	FT2

\*P, probe; F, forward primer; R, reverse primer; NA, not applicable. All sequences were purchased from Integrated DNA Technologies, Inc. (Coralville, IA, USA). Probe sequences were modified with an amine group and C6 linker at the 5' position, and these were used to immobilize the probe on microspheres. Synthetic complementary targets of probes and reverse primers were modified with Cy3 at 5' position as a reporter for array hybridization.

†Sequences are from the noncoding region between 2 open reading frames, BME11658 and BME11659.

‡Sequences were obtained by sequencing by the collaborator and are not available from GenBank.