

Supporting information for Revel *et al.* (2002) *Proc. Natl. Acad. Sci. USA* **99** (3), 1562–1567. (10.1073/pnas.032667699)

Table 2. Real-time reverse transcription-PCR primers for B31 gene detection and comparison between data generated by the two different methods

TIGR no.	Gene name	Forward primer (5' → 3')	Reverse primer (5' → 3')	Microarray*			Reverse Transcription-PCR*		
				UT vs. FT	FT vs. DMC	UT vs. DMC	UT vs. FT	FT vs. DMC	UT vs. DMC
16S ribosomal	16S ribosomal	CACGCAGTGTCTCGTCCG	TACGGGAGGCAGCAGCTAAG	NA	NA	NA	NA	NA	NA
BB0061	Thioredoxin (trxA)	CAAAGTAGATACAGATAAGGAACAAGATATTTTC	GCTTGCCATCAACAGGAATAAAA	1.94	1.59	-3.08	1.06	-9.51	-8.94
BB0070	Conserved hypothetical protein	ATCAACGGTCAACCGCTCTTT	AAGGGCAAATGCAAGAGCTATT	-5.23	1.46	-1.13	-2.85	2.65	-1.08
BB0096	V-type ATPase, subunit E, putative	AGCTGCTAGAGTATTAAGGCAAATC	TCAACGCCAATAATTAATCTCTTATTG	3.66	-1.21	3.03	2.6	-1.73	1.51
BB0147	Flagellar filament core protein (flaB)	AATCTTTTCTCTGGTGAGGGAGC	GCTCCTTCCTGTTGAACACCC	2.26	-2.58	-1.14	1.85	-1.99	-1.07
BB0296	Heat shock protein (hslV)	AAAGGGCGGCTGTTGACC	CAACAAGCATCATAGCCTCAAGC	3.2	1.82	-1.76	2.16	1.1	-1.05
BB0323	Hypothetical protein	TCGCATACGAAGAAAAAGTGGGA	TTTCCCACAATGTTCTAGATCTTTCA	6.8	-5.4	1.26	2.47	-3.49	-1.42
BB0466	ABC transporter, ATP-binding protein	GCGTATACTCTTCTGGTGGAGAGAG	AGCAAAAGGTTTCATCTAAGAGTAAAAAATAAG	-3.54	1.32	-2.67	-2.08	2.33	1.12
BB0545	Xylulokinase (xylB)	GCGTAATTAATGCGGGATCAG	CATTCTATTTGACACAATTCCTTCTTG	-3.89	1.34	-2.9	-3.62	1.65	-2.2
BB0671	Chemotaxis operon protein (cheX)	GAAGAAACAAAAGAGATGGTTGCTG	CTTGGCATGCAAAGTGGAACA	6.46	-2.69	2.41	3.25	-1.49	2.17
BB0677	Ribose/galactose ABC transporter, ATP-binding protein (mglA)	CAATATTCCTTCGGACAGGCA	TCAGGATTATCAAAGCTCTTAAGTCCA	3.88	-1.54	2.53	2.64	-2.64	1
BB0789	Cell division protein (ftsH)	TGGAACGCATACCAATGTAATTG	TCGTCCAGGCCTAAGCAAAG	1.47	-2.43	-3.57	2.36	-1.77	-1.33
BBA05	Antigen, S1	TGCTCTTGGTGGGTGGCT	AATCTCCCCACCGCTTTTTT	9.22	-7.04	1.31	83.29	-23.4	3.56
BBA07	chpAI protein, putative	AAAGAAATGCTTGTTACTGTTGTTAAGTG	GTTTTTCAACCTGTAGCAATTGC	11.11	-9.05	1.22	306.55	-27.27	11.24
BBA15	Outer surface protein A (ospA)	GGCGTAAAAGCTGACAAAAGTAAAGTA	TGTTTTGCCATCTTCTTGAAAAC	1.41	-8.86	-12.48	-1.16	-3.53	-4.09
BBA24	Decorin-binding protein A (dbpA)	GATTAGAACGAAGCGCTAAAGACA	GGCATCAAAATTTACGCCCTT	46.68	-14.77	3.16	108.38	-6.32	17.15
BBA36	Lipoprotein	CAATATTCTAGCATTGTTTCTAAAGCAGT	AGCCTCCCCTTTGCTATTTTTAA	58.08	-6.33	9.18	138.53	-2.99	46.34
BBB19	Outer surface protein C (ospC)	CGGATTCTAATGCGGTTTTACTTG	CAATAGCTTTAGCAGCAATTTTCATCT	196.29	1.62	119.37	121.95	1.2	146.03

*UT, unfed tick; FT, fed tick; DMC, dialysis membrane chamber; NA, not applicable.