Supporting Figure S1. Nucleotide alignment of all *C. mellificae* GAPDH sequences in NCBI (JF423199, AB716357, AB745489); these sequences are 99.8% identical.

 Crithidia mellificae strain SF GAPDH Crithidia mellificae JF423199 Crithidia mellificae AB716357 Crithidia mellificae AB745489 	1 A T G G C T C C C T G A A G G T T G G C A T C A A C G G T T T C G G C C G C A T T G G C C
 Crithidia mellificae strain SF GAPDH Crithidia mellificae JF423199 Crithidia mellificae AB716357 Crithidia mellificae AB745489 	50 80 99 A TGG TG TTCCAG TCGA TG TG CGA GG CGA CG TC C T CGG CAAG GA GA GA GA
1. Crithidia mellificae strain SF GAPDH 2. Crithidia mellificae JF423199 3. Crithidia mellificae AB716357 4. Crithidia mellificae AB745489	100 110 120 130 140 GACGTGGTCGCCGTGGTGGACATGAGCACGGACGCCGAGTACTTCG GACGUGGUCGCCGUGGUGGACAUGAGCACGGACGCCGAGUACUUCG TGGACATGAGCACGGACGCCGAGGACTACTTCG
 Crithidia mellificae strain SF GAPDH Crithidia mellificae JF423199 Crithidia mellificae AB716357 Crithidia mellificae AB745489 	150 160 170 180 197 TA C CAGA TG AAG TT C GA CA C G G T G C A C G G C C C C G AAG T A C A C G G U A C C A G A U G AAG U U C G A C A C G G U G C A C G G C C C C G AAG U A C A C G G T A C C A G A T G A A G T T C G A C A C G G T G C A C G G C C G C C C G A A G T A C A C G G
1. Crithidia mellificae strain SF GAPDH 2. Crithidia mellificae JF423199 3. Crithidia mellificae AB716357 4. Crithidia mellificae AB745489	200 210 220 230 GAGG TTG CGAAGAG CTCG C CTGAGG TGAAGAAG CCG GA CG TG CTCG GAGG UUG CGAAGAG CU CG CCUGAG GU CGAAGAAG CCG GA CG UG CU CG AG CCGGA CG UG CU CG GAGG TTG CGAAGAG CTCG CC TGAGG TGAAGAAG CCG GA CG TGC
1. Crithidia mellificae strain SF GAPDH 2. Crithidia mellificae JF423199 3. Crithidia mellificae AB716357 4. Crithidia mellificae AB745489	250 260 270 280 G TGAA CG C CA C CG CA C CG CG TG CG TG AAG G CG CAG CC CCG G GU GAA CG C CA C CG CA C CU G U G CG U GAA G C CG CAG CC CCG G GU GAA CG C CA C CG CA C CU G U G CG U GAA G C CG CAG CC CAG C CG CA C C CG G G U GAA CG G C CA C CG CA U C CU G U G CG U GAA G G CG CAG C C C C
1. Crithidia mellificae strain SF GAPDH 2. Crithidia mellificae JF423199 3. Crithidia mellificae AB716357 4. Crithidia mellificae AB745489	290 300 310 320 330 GACCTGCCTGCGCGGGCAAGCTCGGCGTGGAGTACGTGATCGAGTCGA GACCTGCCTGCCGGGGCAAGCUCGGCGUGGAGUACGUGAUCGACUCGA GACCUGCCGUGGGGCAAGCUCGGCGUGGAGUACGUGAUCGAGUCGA GACCTGCCGGTGGGGCAAGCTCGGCGTGGAGTACGTGATCGAGTCGA GACCTGCCGGTGGGGCAAGCTCGGCGTGGAGTACGTGATCGAGTCGA 340 340 350 360 370 380
 Crithidia mellificae strain SF GAPDH Crithidia mellificae JF423199 Crithidia mellificae AB716357 Crithidia mellificae AB745489 	GGCCTGTTCACGAACAAGCGGAAGGCCGAAGGGCCACGTGAAGGGTG GGCCUGUUCACGAACAAGGGGAAGGCCGAGGGCCACGUGAAGGGUG GGCCUGUUCACGAACAAGGUGAAGGCCGAGGGCCACGUGAAGGGUG GGCCTGTTCACGAACAAGGUGAAGGCCGAGGGCCACGUGAAGGGTG 390 400 410 420 430
 Crithidia mellificae strain SF GAPDH Crithidia mellificae JF423199 Crithidia mellificae AB716357 Crithidia mellificae AB745489 	G CGAAĠAAGG TGG TGĂ TCAG CG CG CCG CGG CG TCTGG ĊG CG CG CGAAGĂ G CGAAGAAG UGGUGAU CAG CG CG CCGG CGU CUGG CGG CG CGAAGA G CGAAGAAGG UGGUGAU CAG CG CG CCG CGU CUGG CGG CG CGAAGA G CGAAGAAGG TGG TGA TCAG CG CG CCG CG CG CG CG CGAAGA 440 450 460 470
 Crithidia mellificae strain SF GAPDH Crithidia mellificae JF423199 Crithidia mellificae AB716357 Crithidia mellificae AB745489 	A T CG TGA TGGG CG TGA A C CA CCA CGA G TA CGA C C CG G C A CG CA C C A U CG U GA U G G C G U GA A C CA C C A CG A G U A CGA C C C G G C C A CG C A C A U CG U GA U G G C G U GA A C CA C C A CG A G U A CGA C C C G G C C A CG C A C C A T CG TGA TGG G C G TGA A C CA C CA CGA G T A CGA C C C G G C C A C G C A C C 490 500 510 520
 Crithidia mellificae strain SF GAPDH Crithidia mellificae JF423199 Crithidia mellificae AB716357 Crithidia mellificae AB745489 	G T C G T G T C G ÀA C G C G T C C T Ġ C A C G A C C A À C T G C C T G G C C C C G A T C G G U C G U G U C G A C G C G U C C U G C A C G A C C A C U G C C U G G C C C G A U C G G U C G U G U C G A C G G U C C U G C A C C A A C U G C C U G G C C C G G A U C G G T C G T G T C G A A C G C G T C C T G C A C C A A C U G C C C G G T C G 530 540 550 550 570
 Crithidia mellificae strain SF GAPDH Crithidia mellificae JF423199 Crithidia mellificae AB716357 Crithidia mellificae AB745489 	CÁCGTGCTGACGAAGGAGAACTTCGGCATCGÁGACCGGCCTGATGA CACGUGCUGACGAAGGAGAACUUCGGCAUCGAGACCGGCCUGAUGA CACGUGCUGACGAAGGAGAACUUCGGCAUCGAGACCGGCCUGAUGA CACGTGCTGACGAAGGAGAACTTCGGCATCGAGACCGGCCUGATGA 580 590 600 610 620
 Crithidia mellificae strain SF GAPDH Crithidia mellificae JF423199 Crithidia mellificae AB716357 Crithidia mellificae AB745489 	A C CÁ TTCA CTC CTÁ CA CGG CGA CĠ CAGAAGA CGĠ TGGA CGG CG TG T A C CAUU CA CU C CUA CA CGG CGA CG CAGAAGA CGGUGGA CGG CGU GU A C CAUU CA CU C CUA CA CGG CGA CG CAGAAGA CGG U GGA CGG CG U GU A C CA UU CA CU C CUA CA CGG CGA CG C CAGAAGA CGG U GGA CGG CG U GU A C CA TT CA CT C C TA CA CGG CGA CG C GA AGA CGG CGG CG GG CG 630 640 650 660 677
 Crithidia mellificae strain SF GAPDH Crithidia mellificae JF423199 Crithidia mellificae AB716357 Crithidia mellificae AB745489 	CTCAAĠGACTGGCGCĠGCGGCCGCGCTGCTGCGGTĠAACATCATCĊ CUCAAGGACUGGCGCGGGGCGCGCGCGCUGCUGCGUGAACAUCAUC CUCAAGGACUGGCGCGGCGGCCGCGCUGCUGCGGUGAACAUCAUC CTCAAGGACTGGCGCGGCGGCCGCGCTGCTGCGGTGAACATCATCC 680 600 700 710
 Crithidia mellificae strain SF GAPDH Crithidia mellificae JF423199 Crithidia mellificae AB716357 Crithidia mellificae AB745489 	А G C A C G A C G G C G C C G C C A A G G C C G T G Ġ G C A T G G T G A T C C C G T C G A A G C A C G A C U G G A A 730 740 750 760
 Crithidia mellificae strain SF GAPDH Crithidia mellificae JF423199 Crithidia mellificae AB716357 Crithidia mellificae AB745489 	aagggcaagċtgaccggcaṫgtccttccgċgtgccgacgċcggacg
 Crithidia mellificae strain SF GAPDH Crithidia mellificae JF423199 Crithidia mellificae AB716357 Crithidia mellificae AB745489 	tċcgtggtggaċctgacgttcċgcgcgacccġcgacacgtcċatcc
 Crithidia mellificae strain SF GAPDH Crithidia mellificae JF423199 Crithidia mellificae AB716357 Crithidia mellificae AB745489 	820 830 840 850 850 860 GAGATCGACGCTGCCCTGAAGAAGGCAGCCAAGACGTACATGAAGG
 Crithidia mellificae strain SF GAPDH Crithidia mellificae JF423199 Crithidia mellificae AB716357 Crithidia mellificae AB745489 	870 880 890 900 910 A T C C T G G G C T A C A C G A C G A C G A C G A C G A C G A C G A C G A C G A C T T G T G A G C A G C G A C T T C A T C A
 Crithidia mellificae strain SF GAPDH Crithidia mellificae JF423199 Crithidia mellificae AB716357 Crithidia mellificae AB745489 	920 930 940 950 GACGCCCGCAGCTCCATCTACGACTCGAAGGCAACGCTGCAGAACA
 Crithidia mellificae strain SF GAPDH Crithidia mellificae JF423199 Crithidia mellificae AB716357 Crithidia mellificae AB745489 	970 980 990 1,000 CTGCCGGGCGAGAAGCGCTTCTTCAAGGTTGTGTCGTGGTACGACA
1. Crithidia mellificae strain SF GAPDH 2. Crithidia mellificae JF423199 3. Crithidia mellificae AB716357 4. Crithidia mellificae AB745489	1,010 1,019 GÁGTGGGGCTÁ