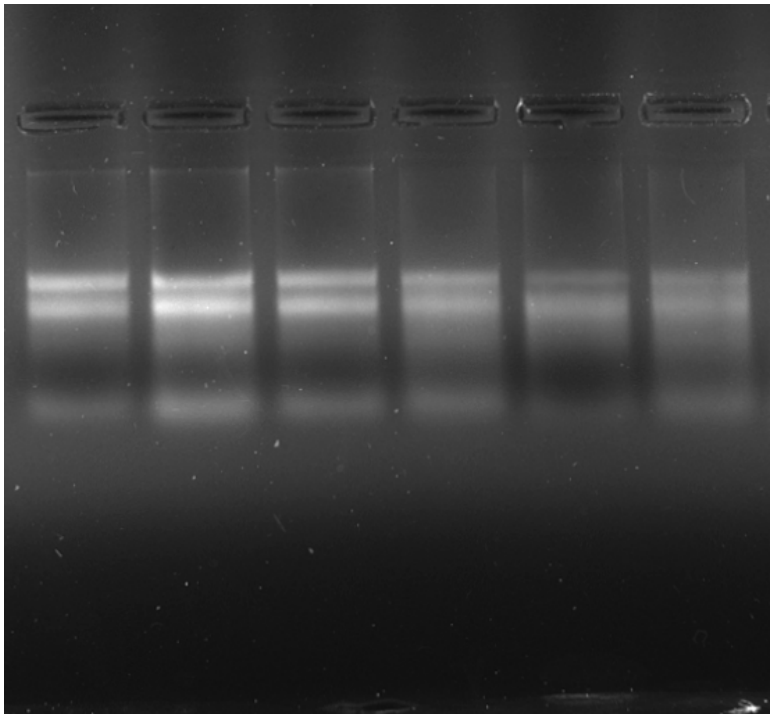

Figure S1. Agarose gel (1.0% w/v) electrophoresis for total RNA of representative samples (N=6). The presence of distinct ribosomal bands (28S, 18S, 5S from top to bottom) and the absence of degradation products shows that total RNA was intact, suitable for downstream analyses. .

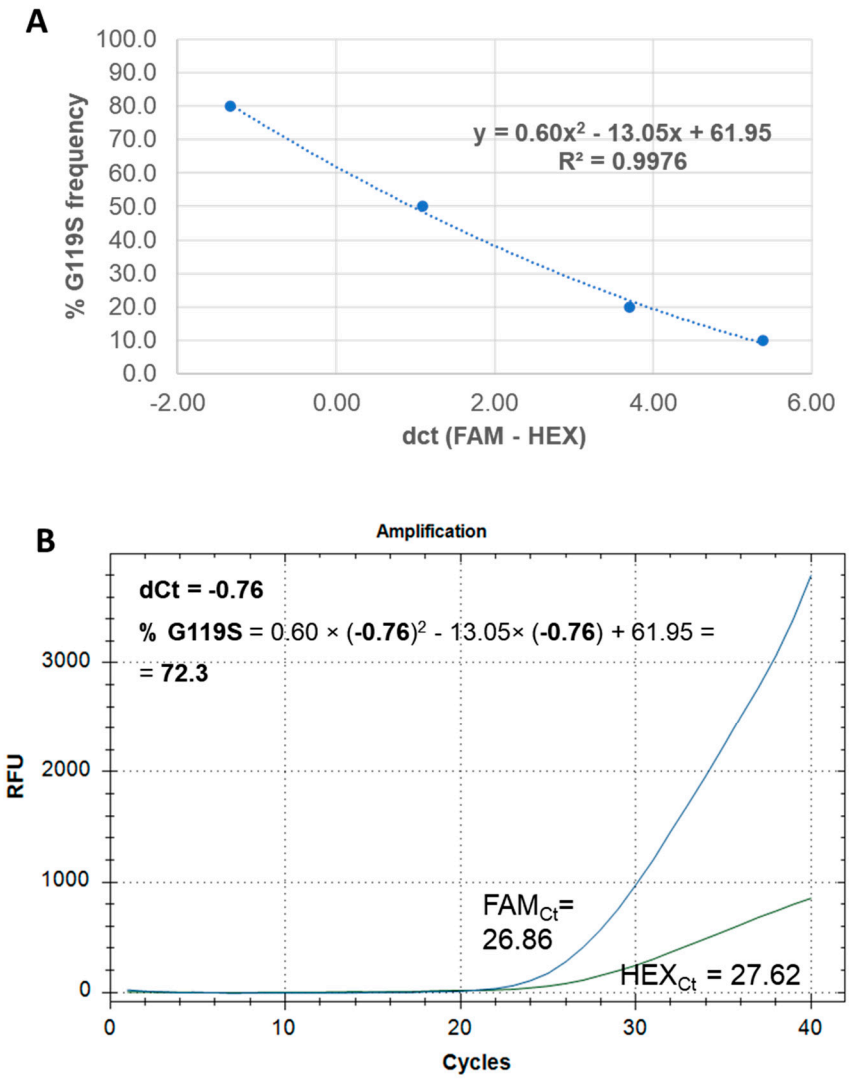

Figure S2. Standard curve for G119S using plasmid sequences with known % frequencies (A) and calculation of % G119S for an unknown population of the study as an example (B).

Table S1 List of primers and probes used for the multiplex resistance gene expression analyses.

Oligo	Assay	Sequence (5'-3')	Final Concentration (nM)
*RPS7*_F	Dtx (A)-(D)	CCACCATCGAACACAAAGTTGA	100
*RPS7*_R	Dtx (A)-(D)	TGCTGCAAACTTCGGCTATTC	200
*RPS7*_P	Dtx (A)-(D)	FAM-CCGTGACGTTACGTTCGAATTCCCA-BHQ1	250
*CYP6P3*_F	Dtx (A)	ACAATGTGATTGACGAAACCCT	400
*CYP6P3*_R	Dtx (A)	GGATCACATGCTTTGTGCCG	500
*CYP6P3*_P	Dtx (A)	HEX-ACCCGCGTACCGTCTGTGGACT-BHQ1	350
*CYP6M2*_F	Dtx (A)	CTGGCGTTGAATCCAGAGGT	600
*CYP6M2*_R	Dtx (A)	GATACTTGCGCAGTGATTCATTAAG	400
*CYP6M2*_P	Dtx (A)	ATTO647N-AGAGAAATCCTGCAAAAGCACAACGGAGA-BHQ3	250
*CYP9K1*_F	Dtx (B)	CCGACACGTGGTGATGGATAC	200
*CYP9K1*_R	Dtx (B)	CGTCGTCGGTCCAGTCAAC	400
*CYP9K1*_P	Dtx (B)	HEX-CAATCTTCTGATGCAGGCCCGCAA-BHQ1	300
*CYP6P4*_F	Dtx (B)	CTGGACAACGTTATCAATGAAACC	400
*CYP6P4*_R	Dtx (B)	GCACGGTGTAATCACGCATC	500
*CYP6P4*_P	Dtx (B)	ATTO647N-CCGATCGAGTCACTTTCGCGCG-BHQ3	300
*CYP6Z1*_F	Dtx (C)	CCCGCAACTGTATCGGTCTG	100
*CYP6Z1*_R	Dtx (C)	TTCGGTGCCAGTGTGATTGA	600
*CYP6Z1*_P	Dtx (C)	HEX-TGATGCTGTCCCGATTTAACTTTTCGGC-BHQ1	250
*GSTE2*_F	Dtx (C)	CCGGAATTTGTGAAGCTAAACC	100
*GSTE2*_R	Dtx (C)	GCTTGACGGGGTCTTTCGG	400
*GSTE2*_P	Dtx (C)	ATTO647N-CGGTACGATCATCACCGAGAGCCAC-BHQ3	300
*CYP6P1*_F	Dtx (D)	ACAGGTGGTGAACGAAACCC	100
*CYP6P1*_R	Dtx (D)	GGTGTAATCCTGTCCCGCAA	500
*CYP6P1*_P	Dtx (D)	HEX-CCGCTCGAAACGACGCTGCG-BHQ1	300
*CYP4G16*_F	Dtx (D)	GTCCAAGAAGTTGCGTCGGAC	200
*CYP4G16*_R	Dtx (D)	TCTTCGATTTGCGTTGACGTG	200
*CYP4G16*_P	Dtx (D)	ATTO647N-CTGCAGGCCGACATCATTTTGAAGC-BHQ3	300