Supplementary data

Development of SCAR Markers Related to Banana Susceptibility to *Fusarium oxysporum* and Their Combination Use in Screening Potential Resistant Germplasm

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Table S1–4

Figure S1

Original images of electrophoresis

Table S1. Primers for PCR and sequences of SRAP primer sets

Forward primer	Sequence (5′–3′)	Reverse primer	Sequence (5′–3′)
me1	TGAGTCCAAACCGGAAG	em1	GACTGCGTACGAATTAAT
me2	TGAGTCCAAACCGGATG	em2	GACTGCGTACGAATTTGA
me3	TGAGTCCAAACCGGAGG	em3	GACTGCGTACGAATTAAC
me4	TGAGTCCAAACCGGTTG	em4	GACTGCGTACGAATTATG
me5	TGAGTCCAAACCGGTGT	em5	GACTGCGTACGAATTTGC
me6	TGAGTCCAAACCGGAAC	em6	GACTGCGTACGAATTGTC
me7	TGAGTCCAAACCGGATC	em7	GACTGCGTACGAATTGGT
me8	TGAGTCCAAACCGGTCA	em8	GACTGCGTACGAATTCAG
me9	TGAGTCCAAACCGGAGT	em9	GACTGCGTACGAATTCTG
me10	TGAGTCCAAACCGGACT	em10	GACTGCGTACGAATTCCA

SRAP: sequence–related amplified polymorphism

Table S2. Reaction conditions for PCR

Steps	Temperature (°C)	Time (min)	Cycles
Initial Denaturation	94	5	1
Denaturation	94	1	5
Annealing	35	1	
Elongation	72	1	
Denaturation	94	1	35
Annealing	50	1	
Elongation	72	1	
Final elongation	72	8	1

Table S3. Primers for PCR and sequences for the 813 bp fragment

Primer	Sequence of primer (5′–3′)	Tm (°C)	Product length (bp)
SC1–F	GGGAGCTTAGAAACCACCAAC	59	436
SC1–R	TACTTGGCCGTAGCGGTAGAT	61	
SC2–F	GGGAGCTTAGAAACCACCAAC	59	442
SC2–R	CTGCTTTACTTGGCCGTAGC	60	
SC3–F	CCAAGGGAGCTTAGAAACCAC	60	440
SC3–R	TACTTGGCCGTAGCGGTAGAT	61	
SC4–F	GAGGGCGAATCCTATGTCAA	60	251
SC4–R	GGTGGTTTCTAAGCTCCCTTG	60	

SCAR: sequence characterized amplified region

Table S4. Primers for PCR and sequences for the 400 bp fragment

Primer	Sequence of primer (5′–3′)	Tm (°C)	Product length (bp)
SC10–F	CAATACTCGGGCAGGCTGG	59	101
SC10–R	GCTTGCTTCCTAGACTACCTCG	57	
SC14–F	GAGTCGAGATCGGCAGACAATA	57	295
SC14–R	AGACTACCTCGACTCAGGACT	56	
SC20–F	GGAGTCGAGATCGGCAGACA	60	227
SC20–R	TACCAGCCTGCCCGAGTAT	58	
SC24–F	GAGTCGAGATCGGCAGACAATA	56	246
SC24–R	CCGCCCTCGTATTGGAATGAT	57	

SCAR: sequence characterized amplified region

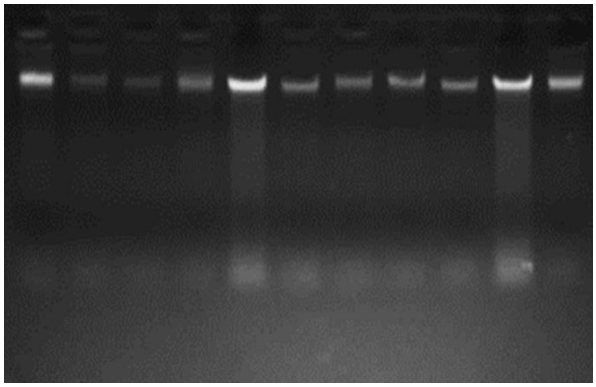


Figure S1. DNA samples extracted from some banana (*Musa* spp. AAA) cultivars

Original images of electrophoresis

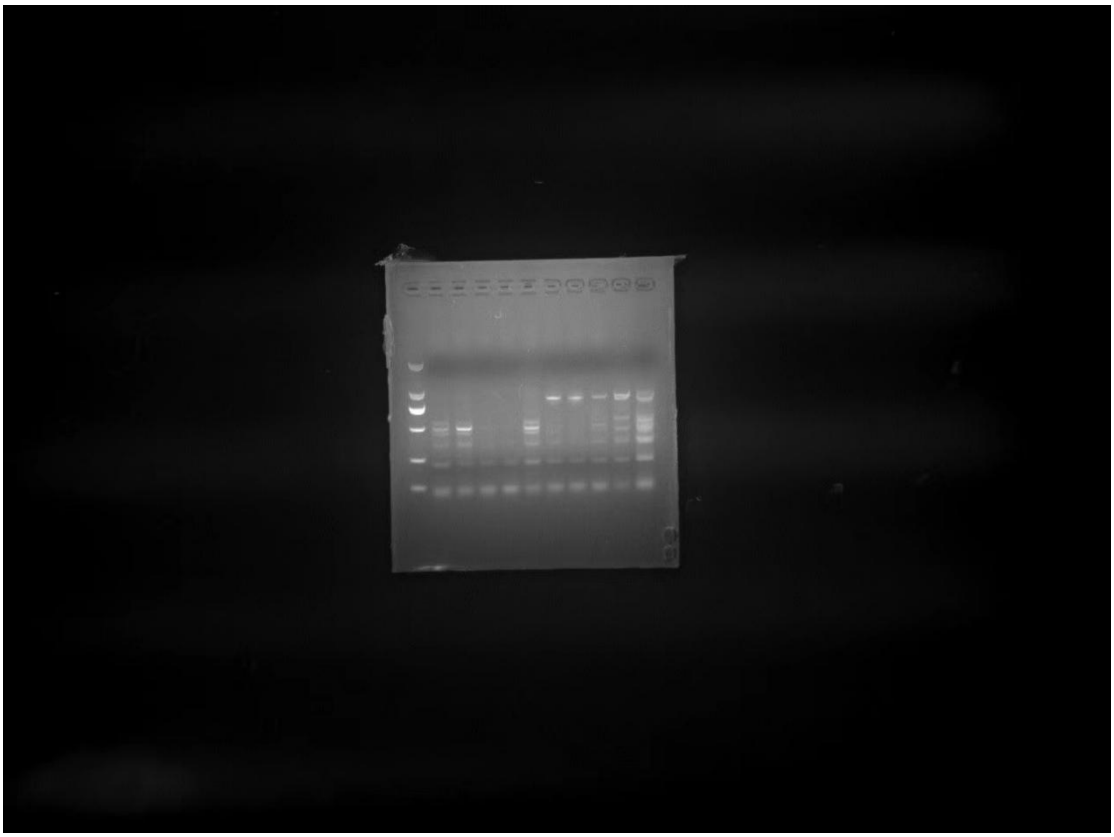


Figure 1(a)

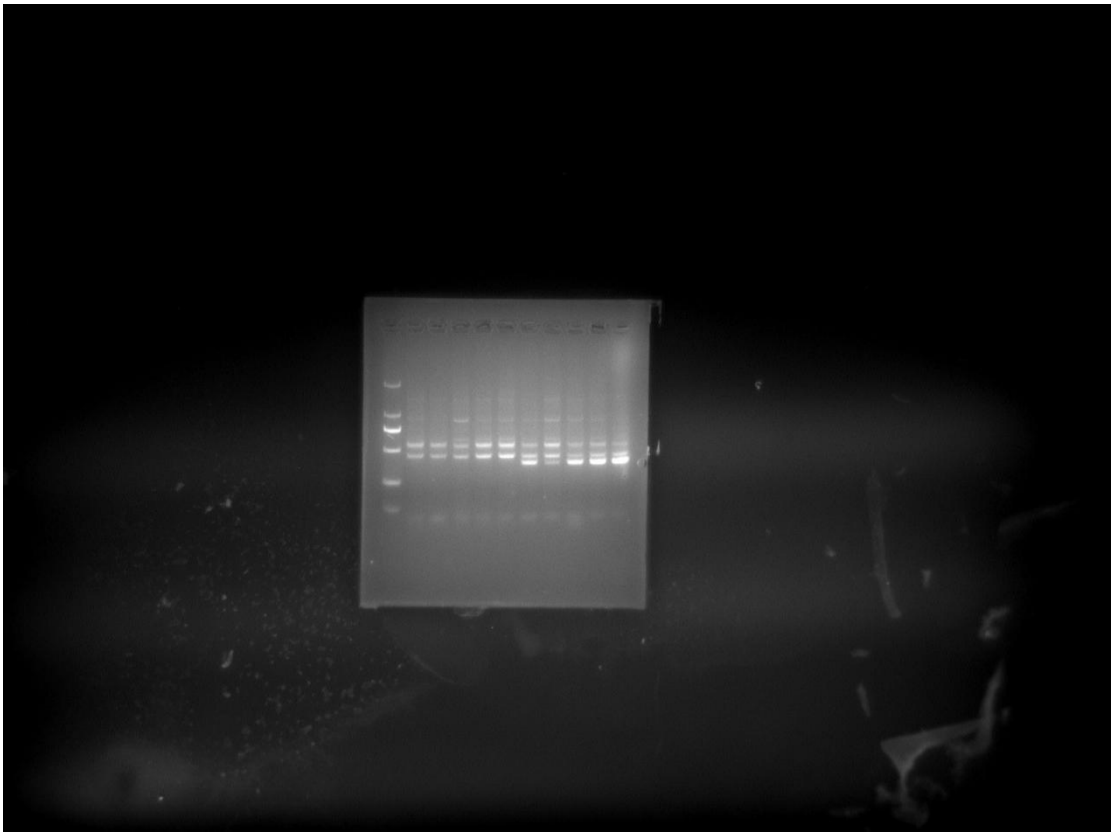


Figure 1(b)

Figure 3(a)

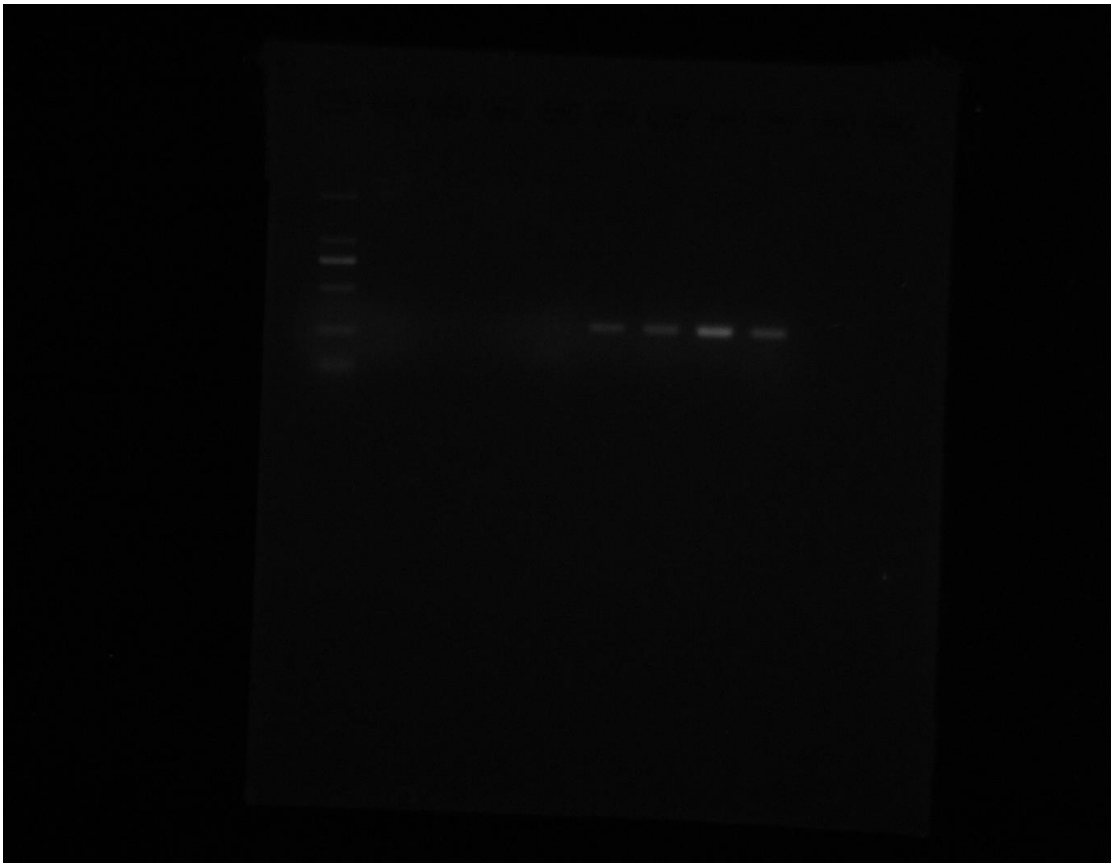


Figure 3(b)

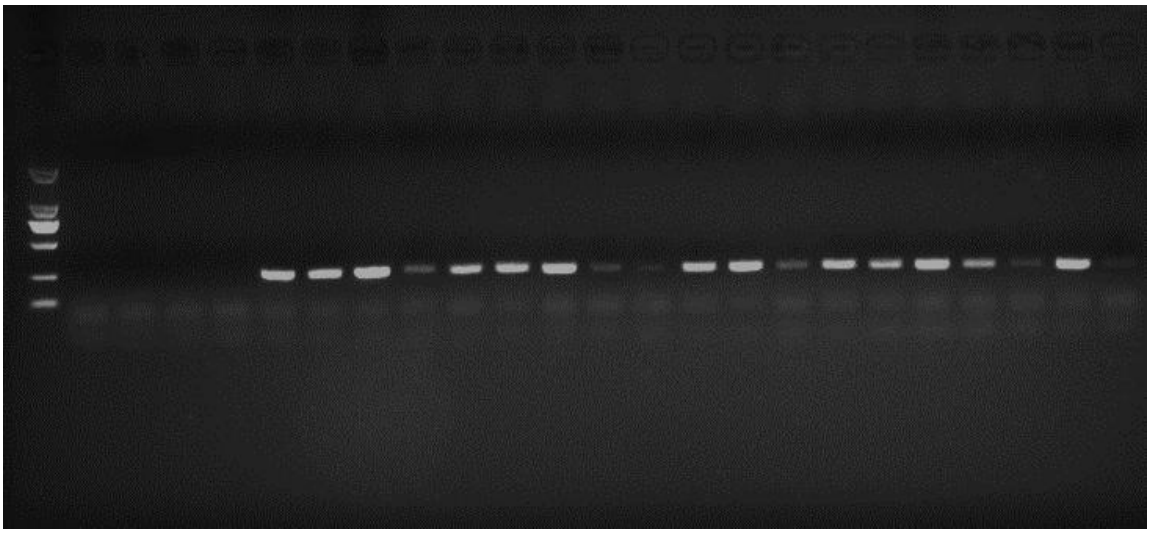


Figure 4(a)

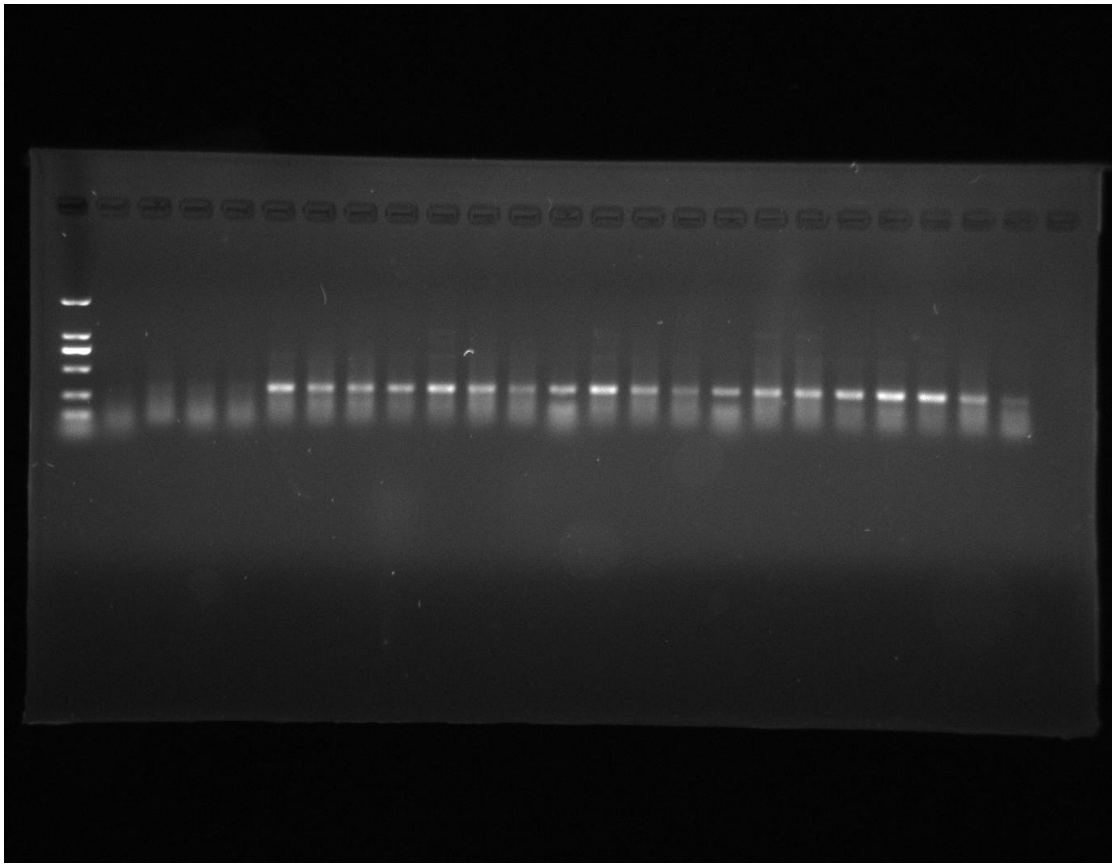


Figure 4(b)

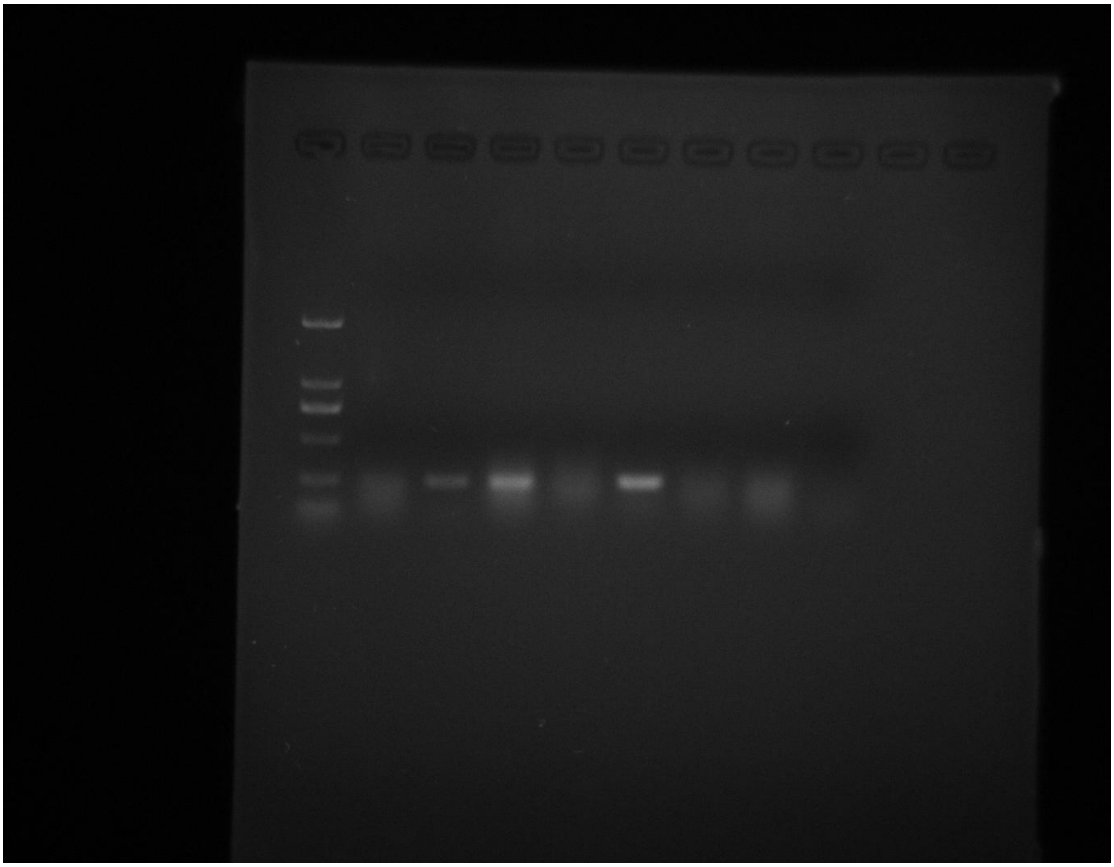


Figure 5 (number 1-8)SC4-F/SC4-R

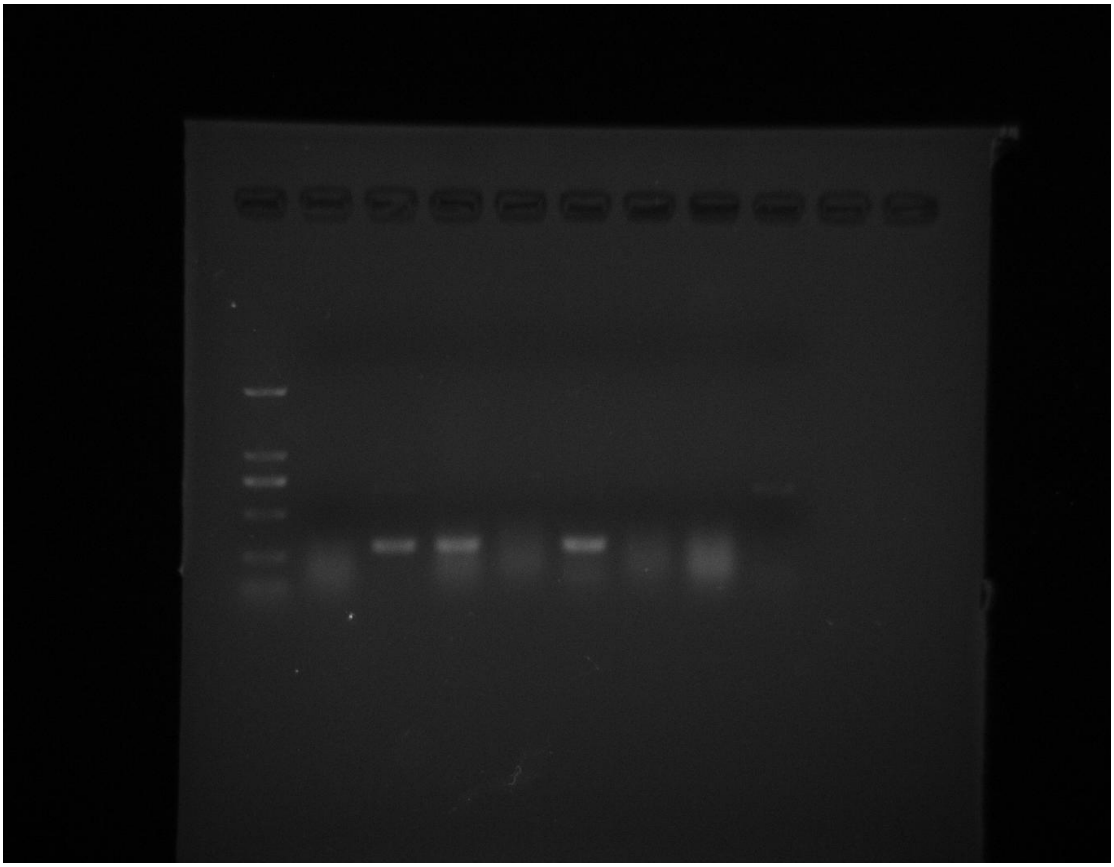


Figure 5 (numeber 1-8) SC14-F/SC14-R

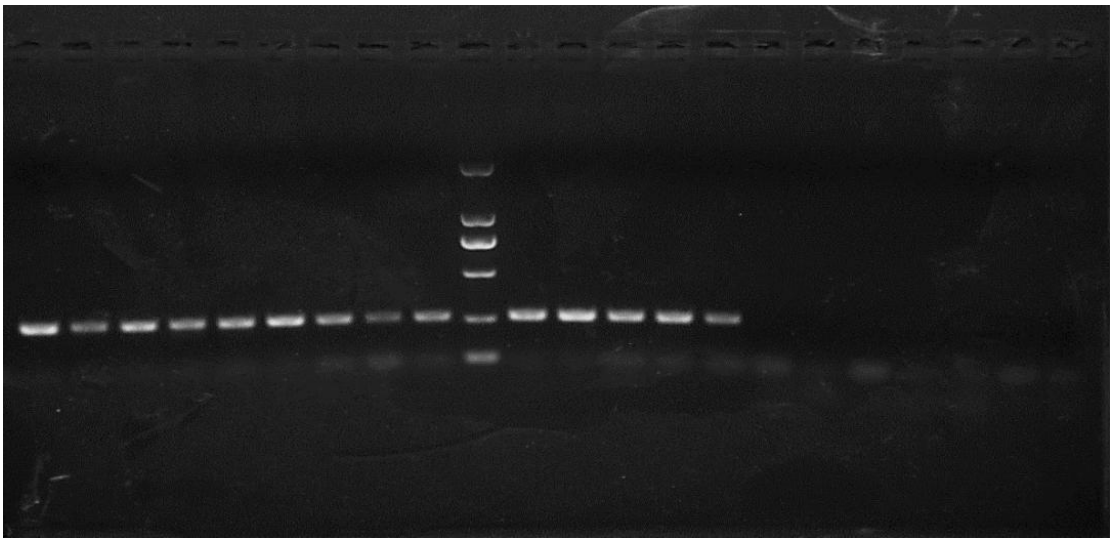


Figure 5 (number 9-29) SC4-F/SC4-R

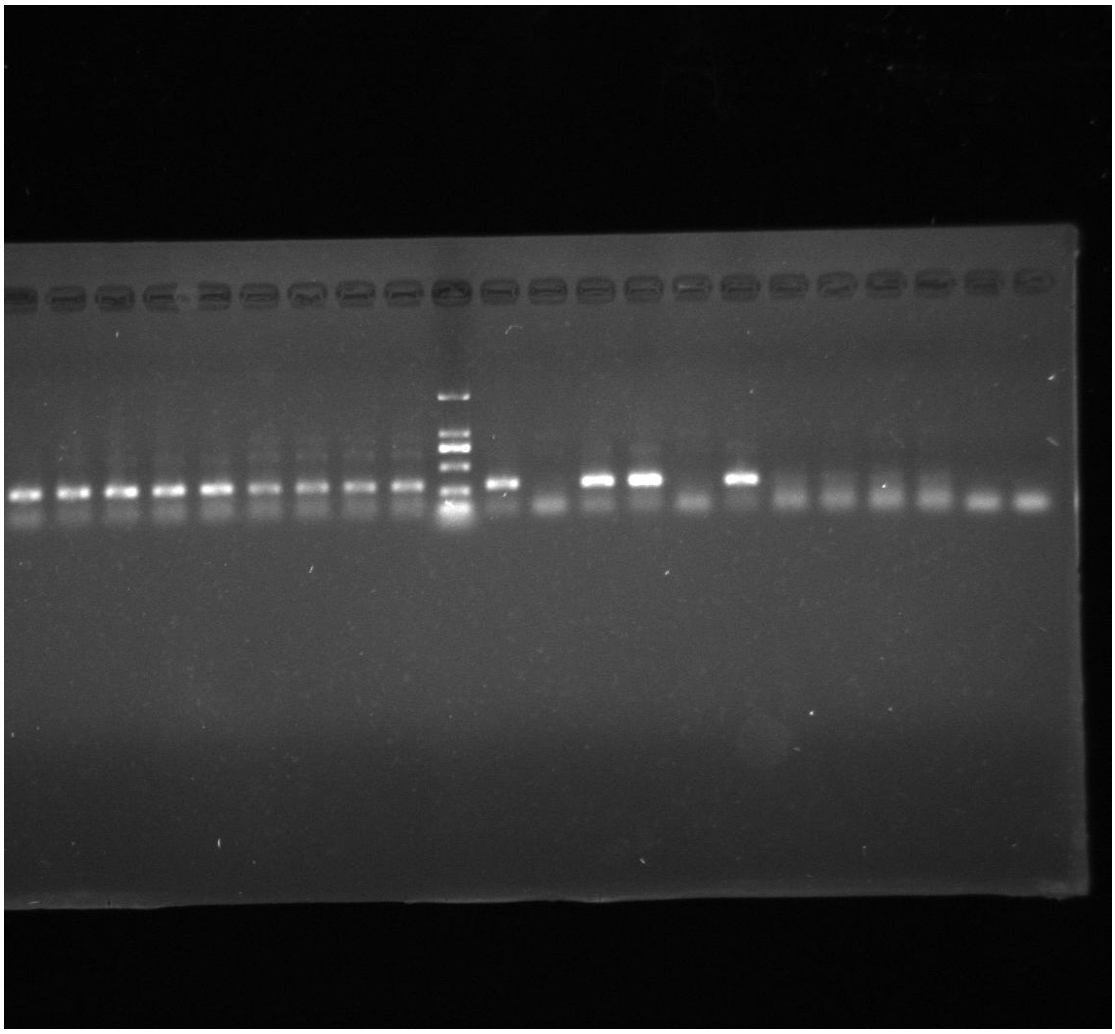
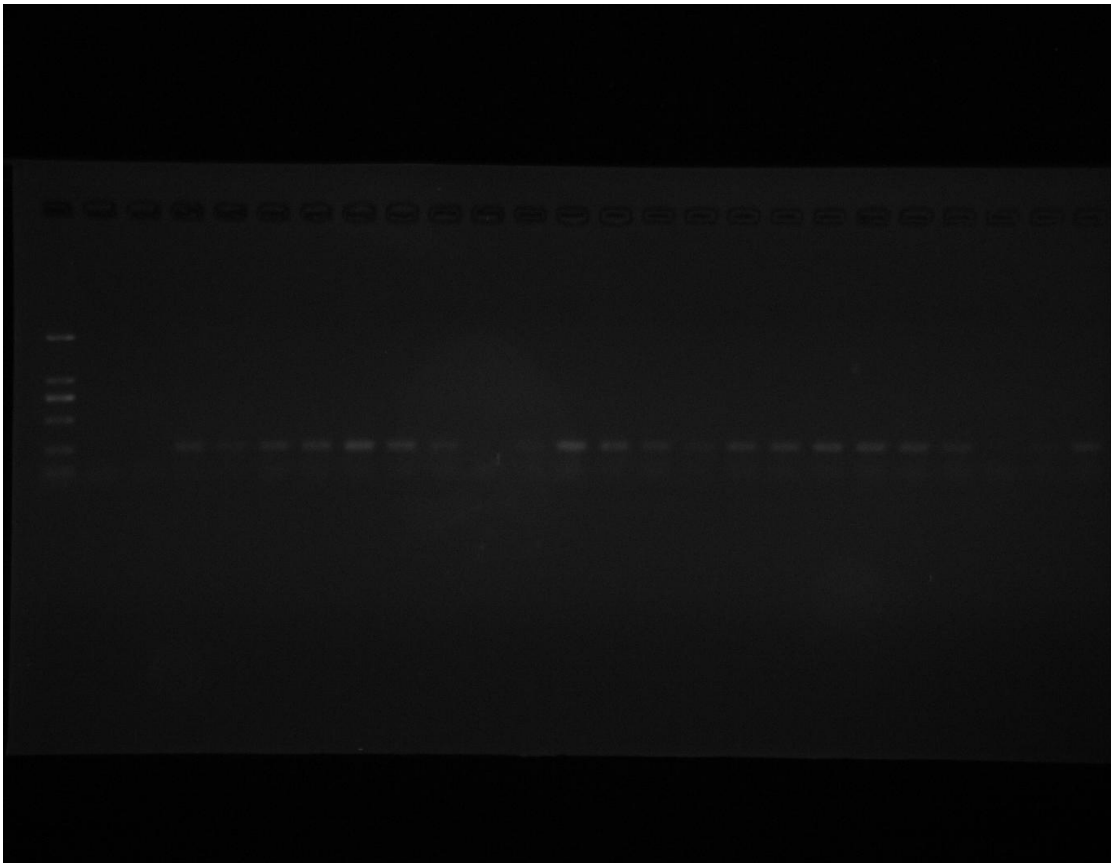


Figure 5 (numeber 9-29)SC14-F/SC14-R



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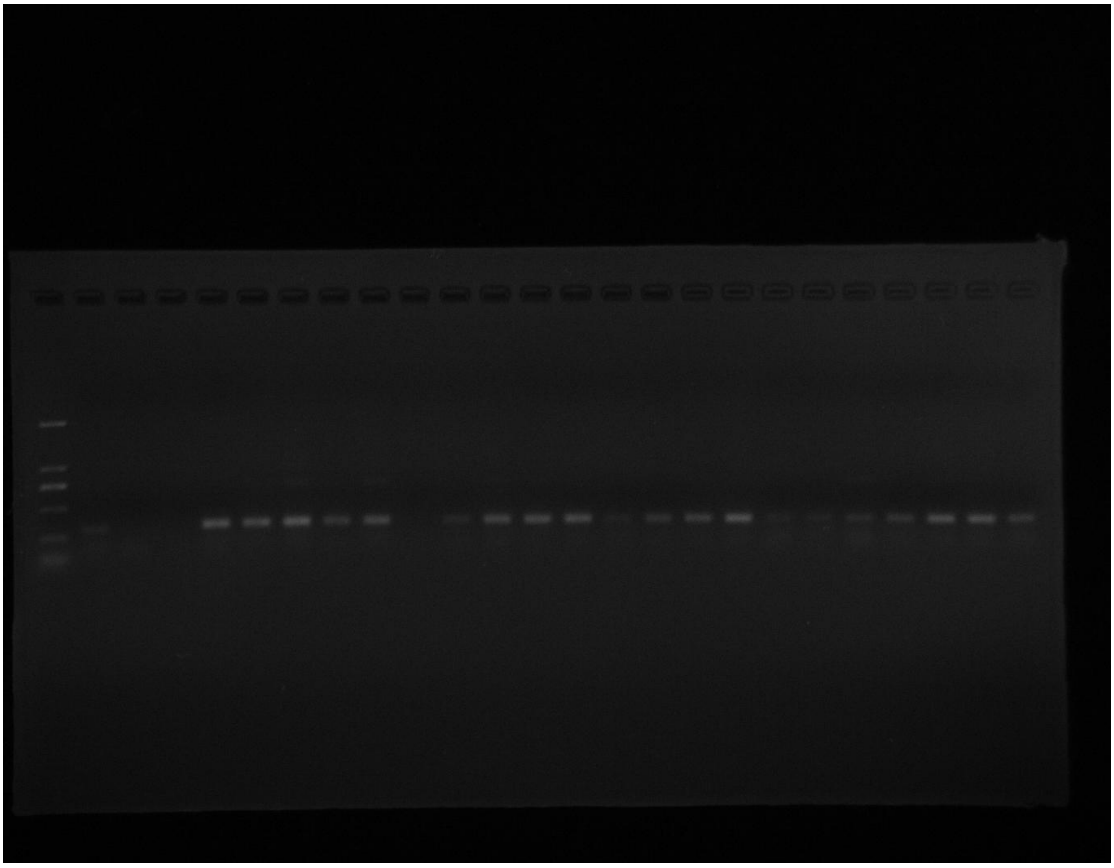

Figure 5 (number 30- 53) SC14-F/SC14-R