SUPPLEMENTARY MATERIAL

Table 1S. Mixture prepared for Colonial PCR

	Quantity
2x PCR Buffer*	5 µl
DNase RNase free H_2O	2 µl
Primary mix**	2 µl
Bacterial suspension	1 µl
Sum	10 µl

*2x SYBR™ Green PCR Master Mix (Thermo Fisher Scientific, United States) **The primers used for each enzyme and their sequences are shown in Table 2S.

Table 2S. Primers used for colony PCR

bla	Primary	Array	Tm (°C)	Access Number	Position	Bp	Primary concentration
***bla*vim**	Pan_VIM_Fw	TTCTCGGGGAGATTGARAAGC	54	JN819277	219-239	264	10 pmol
	Pan_VIM_Rev	TTGTCGGYYGAATGGGGCCC			483-464		
***bla*imp**	Pan_IMP_Fw	GGAATAGAGTGGCTTAAYTCTC	50	GU207399	372-393	188	20 pmol
	Pan_IMP_Rev	ARCCAAACYACTASGTTATC			560-543		
***bla*oxa-48**	OXA-48_Fw	GCGTGTGTATTAGCCTTATCGGC	52	JN626286	5518-5537	722	10 pmol
	OXA-48_Rev	RGGCATATCCATATTCGC			6240-6220		
***bla*ndm**	NDM_Fw	GGGCAGTCGCTTCCAACGGT	55	JQ734687	212-231	475	10 pmol
	NDM_Rev	GTAGTGCTCAGTGTCGGCAT			687-668		
***bla*kpc**	KPC_Fw	GCTGTCTTGTCTCTCATGGCC	55	JQ867396	394-414	836	10 pmol
	KPC_Rev	AATCCCTCGAGCGCGAGTCTA			1230-1210		

Tm: Temperature, Bp: Base pair

Table 3S. Colony polymerase chain reaction protocol

	Temperature	Duration	Number of cycles
Initial denaturation and enzyme activation	95 °C	10 min	1
Denaturation	95 °C	30 sec	5
Annealing	52 °C	30 sec	
Elongation	72 °C	1 min	
Denaturation	95 °C	30 sec	20
Annealing	50 °C	1 min	
Elongation	72 °C	30 sec	
Final elongation	72 °C	5 min	1
HRM	70 °C → 95 °C	0.1 RampRate	2 seconds/read

HRM: High resolution melting curve, min: Minute, sec: Seconds

Table 4S. Preparation of 2x amplification mixture for AP PCR

	Quantity
10x Amplification buffer	5 ml
dNTP mix	1 ml
$MgCl_2$ (50 mM)	4 ml
Sterile DNase and RNase-free water	15 ml
Total volume	25 ml

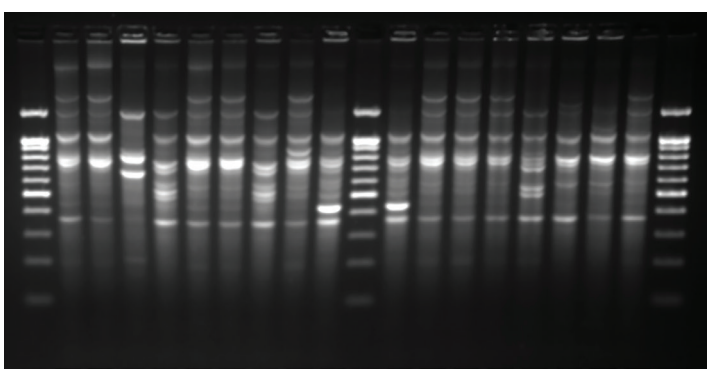
Table 5S. Preparation of amplification mixture of 50 ml for AP PCR

	Quantity
2x Amplification mix	25 ml
Primary M13 (100 pmol/ml)	1 ml
Taq DNA polymerase (5 U/ml)	0.5 ml
Sterile DNase and RNase-free water	21.5 ml
DNA extraction product (50 ng/ml)	2 ml
Total volume	50 ml

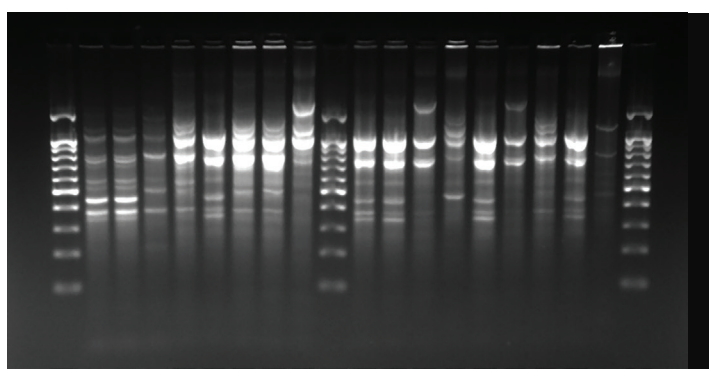
Table 6S. Thermal profile used for AP PCR

	Temperature	Duration	Number of cycles
Denaturation	94°C	5 min	2
Annealing of primers	40°C	5 min	
Primary elongation	72°C	5 min	
Denaturation	94°C	1 min	40
Annealing of primers	40°C	1 min	
Primary elongation	72°C	1 min	

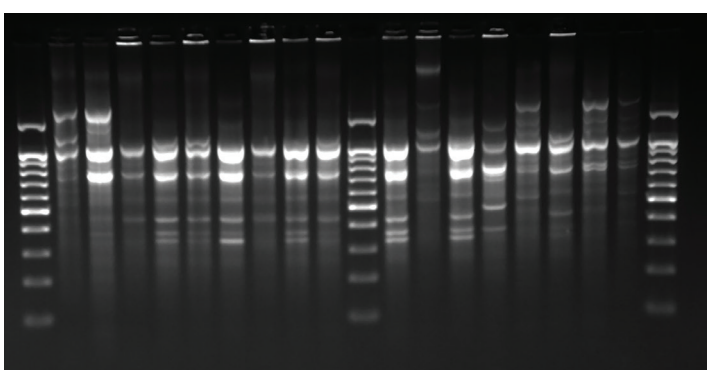
ORIGINAL GEL IMAGES



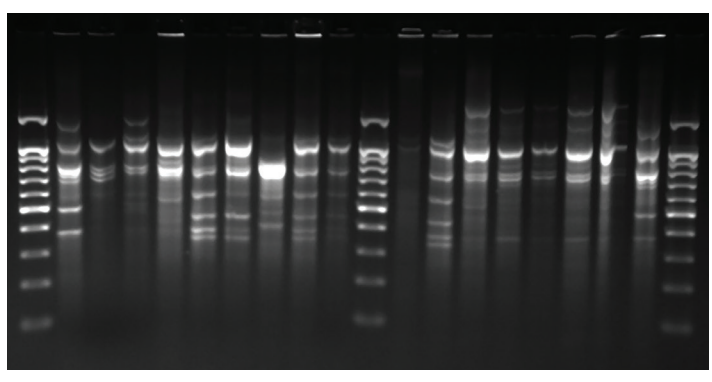
Gel image: samples 1 to 17



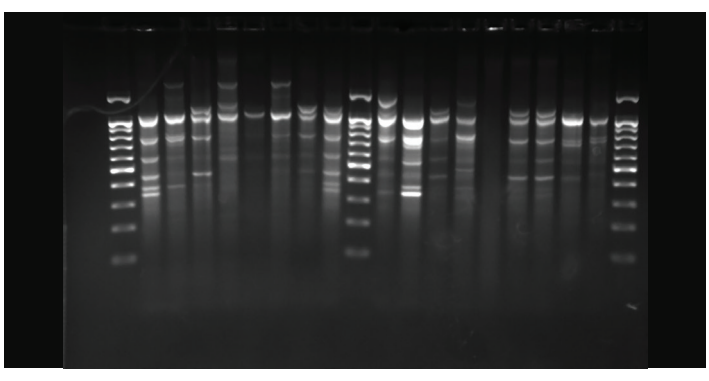
Gel image: samples 18 to 34



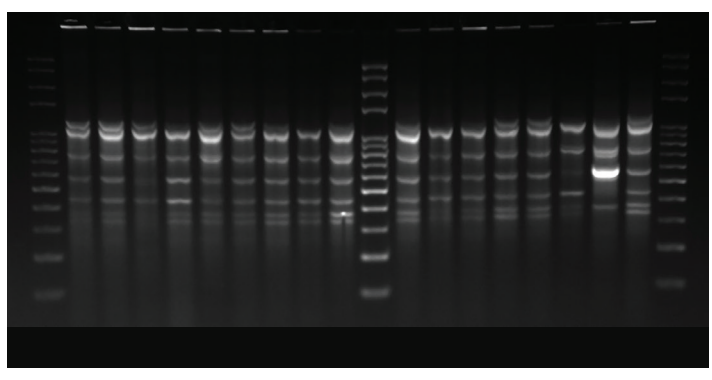
Gel image: samples 35 to 51



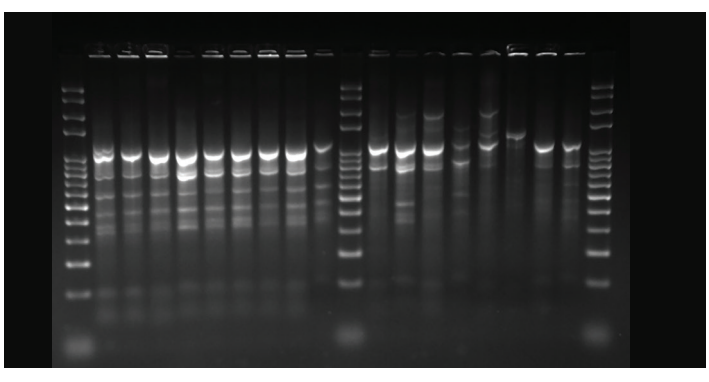
Gel image: samples 52 to 68



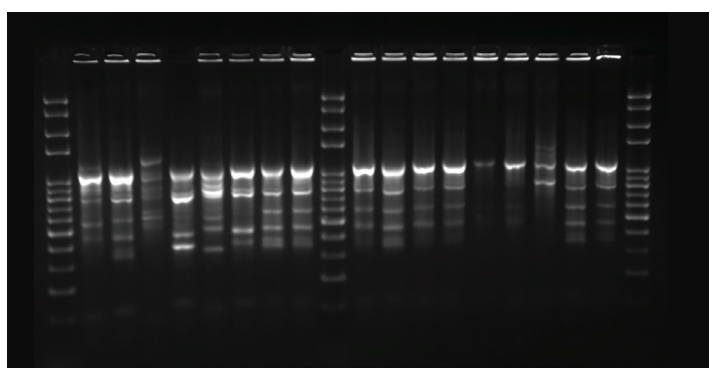
Gel image: samples 69 to 85



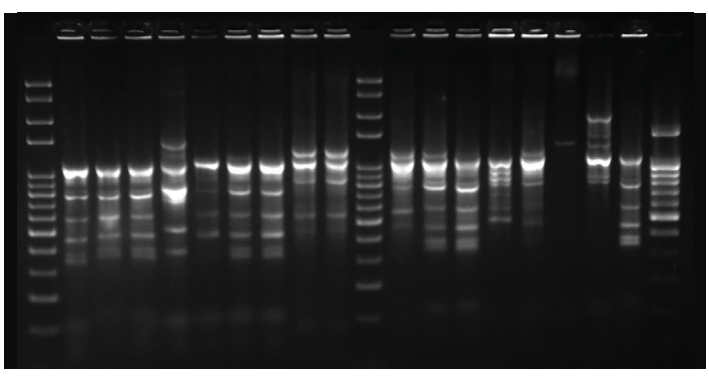
Gel image: samples 86 to 102



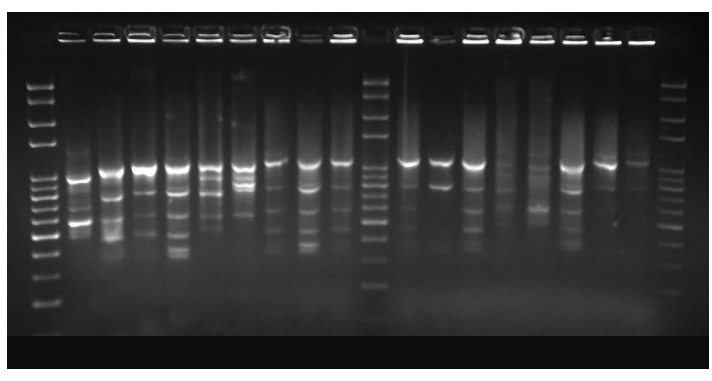
Gel image: samples 103 to 119



Gel image: samples 120 to 136



Gel image: samples 137 to 153



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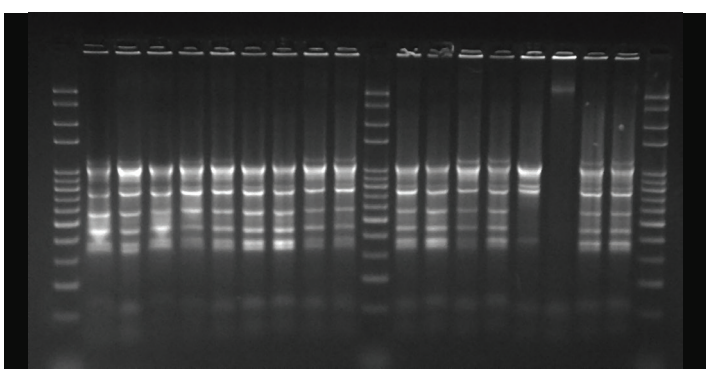
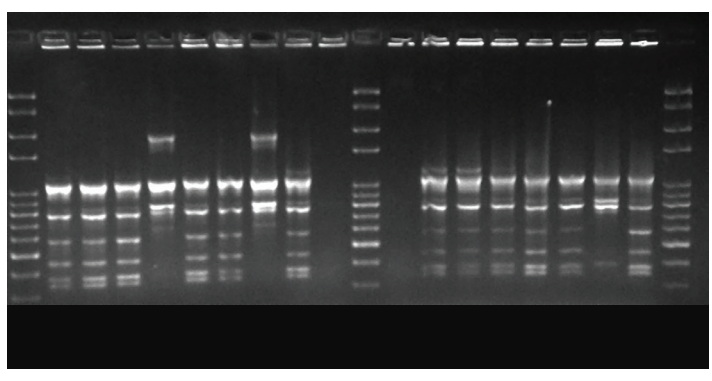
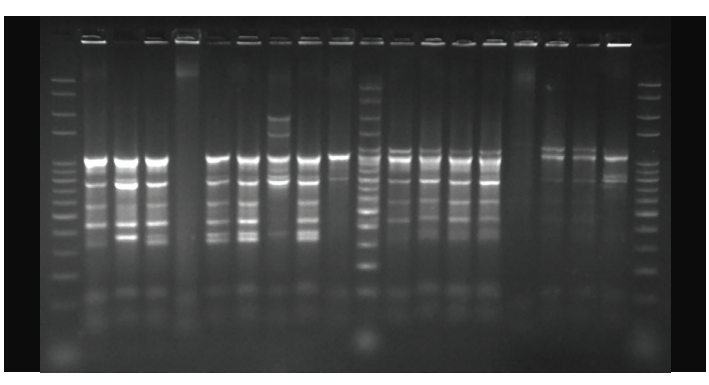


Gel image: samples 171 to 187



Gel image: samples 188 to 204



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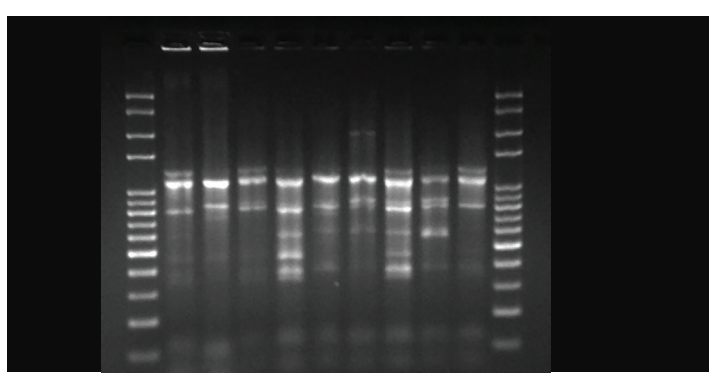
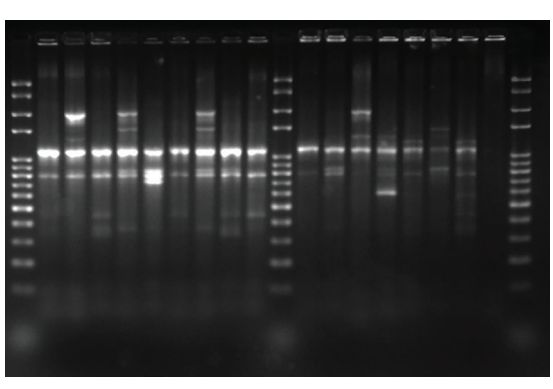


Gel image: samples 222 to 230



Gel image: reworked