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# Ram locus is a key regulator to trigger multidrug resistance in *Enterobacter aerogenes*

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<b>Target region</b>	<b>Primer</b>	<b>Sequence</b>	<b>Ann Temp</b>
<b>For sequencing</b>			
<i>marR</i>	M5	CCT-GTT-TAT-TAC-GCT-CGG-CGT	64°C
	M4IIB	CCA-GCG-ACA-ATG-GAG-ATT-CCA-GG	64°C
<i>marA</i>	M7	TAT-GAT-TGA-AAT-CAA-ACG-GCG	64°C
	M12	CAG-ACG-AAG-TGG-TCA-TGC-TTG	64°C
<i>ramR</i>	RamR1	TGA-AAG-GGT-AGG-TTA-GCG	64°C
	RamR2	CAG-ACG-AAA-GCC-CCA-TCC	64°C
<i>ramA</i>	Rafud	GGT-ACC-GTT-TAG-TCA-CGC-GAA-TG	64°C
	RamARevI	CCG-CTT-GGA-AAC-GCT-GTT-ATC	64°C

**Supplementary Table 1:** Primers for sequencing

<b>Name</b>	<b>Sequence</b>		<b>Annealing Temp</b>	
<i>omp35</i>	5'	GGCGGCGACGGCTGGA ACTACAC	3'	65°C
	5'	GCAAAGCTCAGGCCGTCCACCAGA		
<i>omp36</i>	5'	AGACCTACAACGCAACTCGCACTG	3'	60°C
	5'	AACGGCCCATGTCTTTACCTTTAG		
<i>acrA</i>	5'	ATCTACCGCGCTGGCTACCGTTCA	3'	61°C
	5'	TCGCCTTACCGTTTTCTTGCTTCA		
<i>ramA</i>	5'	ACATTCGCGAGCGTAAACTGC	3'	58°C
	5'	CCCGGCGGCTGATTGAAGGTA		
<i>ramR</i>	5'	AGATGCGCTTAGTACAGACAATG	3'	53°C
	5'	AACCGCTTTCACCGACAG		
<i>marA</i>	5'	AAGTTTCGGAGCGCTCAGGTTAC	3'	58°C
	5'	AGTTTTTGC GCAATCTCCGTCAG		
<i>marR</i>	5'	CCAATTTGGGTGCTCTGTTCC	3'	57°C
	5'	TGCCGCGCTTGTCATTGG		
<i>soxR</i>	5'	GCTGCTGTCGCTGGGGAAGTG	3'	62°C
	5'	GTCGCCAGCGGAATACCAATACG		

**Supplementary Table 2 :** Primers for quantitative realtime PCR

<b>Target region</b>	<b>Primer</b>	<b>Sequence</b>	<b>Ann Temp</b>
<b>For cloning</b>			
<i>ramR</i>	RamR(Fw)XhoI	GTT-ACG-CTC-GAG-GTG-GCT-CGT-CCT-AAG-AGT	64°C
	RamR(Rev)SacI	GTT-ACG-GAG-CTC-TTA-CGA-CTC-ATT-CTC-ATG	64°C
	RamR(Rev)SacI EA27	GTT-ACG-GAG-CTC-TTA-CGA-CTC-ACT-CTC-ATG	64°C
<i>ramA</i>	RamA(Fw)BamHI	CCT-GTA-GGA-TCC-CAT-TTA-ACG-CCT-GGT-GGC-GC	64°C
	RamA(Rev)EcoRI-2	GTT-ACG-GAA-TTC-TCA-GTG-CGC-GCG-GCT-GTG	64°C
<b>For control</b>			
	T7	TAA-TAC-GAC-TCA-CTA-TAG-GG	64°C
	SP6	ATT-TAG-GTG-ACA-CTA-TAG	64°C

**Supplementary Table 3:** Primers for cloning experiments