Oligonucleotide	Sequence 5´→3´
pMAD_lic	
pMAD_lic (EcoRI)	GAATTCTGACGACGACAAGAGGGCCC
pMAD_lic (BamHI)	GGATCCTGAGGAGAAGCCCGGGGCCC
Transcriptional expression o	of <i>ica</i> and <i>mgra</i> promoters
AU59	ATGCCTGCAGGTCGACTTTTTATAACCCCCTACTGAAAATTAATCACACT
AU76	ACGAATTCGAGCTCGGTACCTTTCTTTACCTACCTTTCGTTAGTTA
PmgrA-fw	ATGCCTGCAGGTCGACGTCCCCTTTTAAAGCAATGGC
PmgrA-rv	ACGAATTCGAGCTCGAATAAGAATATCCATAATTAACGGATTTTTGGGTAGT
IcaC 3xflag epitope insertion	
CFLAG-A	GTCGACGCAAATGGAGACTATTG
CFLAG-B	GCGGCCGCTTACTATTTATCGTCGTCATCTTTGTAGTCGATATCATGATCTTTATAATCACCGTCATGG TCTTTGTAGTCATAAGCATTAATGTTCAATTTA
CFLAG-C	GCGGCCGCTTATTAAGCTATGTTAAAAAC
CFLAG-D	CCATGGGCACAAGAGAATTAC
CFLAG-E	ATGAAAAAGATTAGACTTGAACT
CFLAG-F	CTATTTATCGTCGTCATCTTTGTAGTCG
Cadmium promoter insertion	before icaADBC operon
Pica_LIC-A	GACGACGACAAGAGTCTTATTCTTTTCAGGGGAAC
PCd-ica-B	TGAATAAGTGCGTTTCTTTACCTACCTTTCGT
Ica-Cd-fw	TAGGTAAAGAAACGCACTTATTCAAGTGTATTTTT
Ica-Cd-rv	AAAAAATTGCAATGCAGGTTCAGACATTG
PCd-ica-C	TCTGAACCTGCATTTTTTAACTTTTTGC
Pica_LIC-D	GAGGAGAAGCCCGGTCTTGATCAACGATAGTATCTG
Cd-fw	CTAGCTTTATATTCTTTAGGTG
AU7	GGATCCGCACCAAGTTTTGGATCA
Cadmium promoter insertior	before mgrA gene
PmgrA_LIC-A	GACGACGACAAGAGTCGTCCCCTTTTAAAGCAATG
PCd-mgrA-B	AATAAGTGCGTAAAGTTCTCCTCCAGACATAC
mgrA-Cd-fw	GGAGAACTTTACGCACTTATTCAAGTGTATTTTT
mgrA-Cd-rv	AATAAGTGCGTAAAGTTCTCCTCCAGACATAC
PCd-mgrA-C	GAACCTGCAATGTCTGATCAACATAATTTAAAAG
PmgrA_LIC-D	GAGGAGAAGCCCGGTTTATTTTTCCTTTGTTTCATCAAATG
Cd-fw	CTAGCTTTATATTCTTTAGGTG
Mgra-F	GATGAAAAAGATGAAGCGGT
Deletion of mgra, ebh, sasG	and spa genes
mgrA LIC-A	GGAGGAGAACTTTATTAACTTTTGTCATGACAATTAAAGTAATG
mgra-B	ATGACAAAAGTTAATAAAGTTCTCCTCCAGACATACTAT
mgra-C	GGAGGAGAACTTTATTAACTTTTGTCATGACAATTAAAGTAATG
mgrA LIC-D	GAGGAGAAGCCCGGTGGCACTAGAACGTCAAATTGAC
mgrA-E	GACATGCAACTAGTAATTCCA
mgrA-F	GATGAAAAAGATGAAGCGGT
Ebh-LIC-A	GACGACGACAAGAGTTAGGTTATTTATTCTTTGGTTTAGGAC
Ebh-B	ATTCTGTTTGAGCTCCAGAATATAATAACACAAAATATATT
Ebh-C	TTATATTCTGGAGCTCAAACAGAATTCAAACGCG
ebh-LIC-D	GAGGAGAAGCCCGGTTCCATATTCCCACATTTGTTGA
ebh-E	GAGTTCTTATTGTCGGAGAATG
ebh-F	TGGCCACTTCTATTTTT
Riboprobes	
AU52	TAATACGACTCACTATAGGGTATCCACGTAAATGCAATTTCC
AU53	TGGAAGTTCAGATAATACAGC
AU54	TAATACGACTCACTATAGGGGAATTCACGCAATATCAT
AU55	TCACGATACCGTGCTACAC
RP T7 sense icaR	TAATACGACTCACTATAGGGTACTTTCTTCCACTGCTCCA
	0047000444747707447700440774

GGATCCGAAATATTTGTAATTGCAACTTA

icaR +1 (BamHI)