

**S3 Table. Main plasmid genes and features.**

<b>Plasmid</b>	<b>Genes</b>	<b>Product/Function</b>
pLP712	<i>priP</i>	subtilisin-like serine protease
	<i>priM</i>	peptidyl-prolyl isomerase
	<i>dld</i>	D-lactate dehydrogenase
	<i>lacR-lacABCDFEGX</i>	Enzymes involved in lactose degradation
	<i>pepF</i>	Oligoendopeptidase F
	<i>parAB</i>	Plasmid partitioning proteins
	<i>rep</i>	Replication protein
pSH71	<i>repABC</i>	Replication proteins
pSH72	<i>repBXC</i>	Replication proteins
pSH73	<i>hsdS</i>	Type I R/M system specificity subunit
	<i>repXB</i>	Replication-associated protein RepX, RepB
	<i>cadC, cadA</i>	Resistance to heavy metals (cadmium), cadmium efflux ATPase (CadA)
pSH74	<i>IS1216</i>	1 IS element
	<i>spaCB, spaA, srtC1, srtC2</i>	Pilin gene cluster
	<i>repB, repX</i>	Replication proteins
	<i>hsdS</i>	Type I R/M system, specificity subunit
pNZ712	<i>nisCIP</i>	Nisin immunity
	<i>lcoRSABC</i>	Copper resistance
	<i>mobD, mobC</i>	Relaxase/mobilisation nuclease MobD and mobilization protein MobC
	<i>repB, repX, repA</i>	Replication proteins
	<i>parA</i>	Plasmid partitioning protein ParA
	<i>mntH</i>	Mn <sup>2+</sup> /Fe <sup>2+</sup> transporter, NRAMP family
	five <i>ISS1</i> , three <i>IS981</i> , three <i>ISLL6</i> , two <i>IS1076/IS1069/IS1068/IS904</i> , <i>IS1251</i> , <i>IS712</i> , <i>IS1216</i> , <i>IS6770</i>	17 IS elements