

Supplementary Table S7. Resistance genes on plasmids and chromosomes of contemporary strains of *A. lwoffii*

Strain	Source	Chromosome GenBank Acc. No. (resistance genes*)	Plasmids** (GenBank Acc. No.)	Resistance genes (plasmid)
12CE1	Prawn	CP059081.1 (<i>tel, cop, ars, ohr</i>)	pR4WN_12CE1 (MT742180)	<i>sul, aadA, qacE</i>
FDAARGOS_55 1	Homo sapiens (clinical)	CP054822.1 (<i>tel, cop, ars, ohr</i>)	Unnamed1 (CP054821.1)	<i>ars, cop, ohr***</i>
			Unnamed2 (CP054824.1)	
			Unnamed3 (CP054823.1)	
			Unnamed4 (CP054825.1)	<i>chr</i>
			Unnamed5 (CP054826.1)	
FDAARGOS_55 2	Homo sapiens (clinical)	CP046296.1	Unnamed1 (CP046295.1)	<i>czc, ars, cop</i>
			Unnamed2 (CP046297.1)	
			Unnamed3 (CP046298.1)	
			Unnamed4 (CP046299.1)	
FDAARGOS_55 7	Homo sapiens (clinical)	CP054803.1 (<i>tel, cop, ars, ohr</i>)	Unnamed1 (NZ_CP054806.1)	
			Unnamed2 (CP054805.1)	
			Unnamed3 (CP054804.1)	<i>ars, cop, ohr</i>
FDAARGOS_ 620	Homo sapiens (clinical)	NZ_JAAXYZ0100000 03.1 (<i>cop, ars, ohr</i>)	Unnamed1 (NZ_JAAXYZ010 000001.1)	<i>ars, cop, ohr, czc</i>
			Unnamed2 (NZ_JAAXYZ010 000002)	<i>chr</i>
			Unnamed2 (NZ_JAAXYZ010 000005.1)	
M2a	Honey	-	pAVAc14 (MK978162.1)	
			pAVAc184 (MK944320.1)	
			pAVAc194 (MK978163.1)	
			pAVAc198 (MK993303.1)	<i>cop</i>

			pAVAc115 (MK993300.1)	
			pAVAc116 (MK978161.1)	
			pAVAc117 (MK978159.1)	
			pAVAc119 (MK978160.1)	
			pAVAc127 (MK993301.1)	
			pAVAc130 (MK944319.1)	
			pAVAc144 (MK944317.1)	
			pAVAc145 (MK944318.1)	
			pAVAc147 (MK944321.1)	
			pAVAc167 (MK993302.1)	
			pAVAc176 (MK944322.1)	
FDAARGOS 1393	missing info	CP077336.1 (<i>tel, cop, ars, ohr</i>)	Unnamed1 (CP077337.1)	
			Unnamed2 (CP077338.1)	<i>ars, cop</i>
			Unnamed3 (CP077339.1)	<i>chr, ars, mer</i>
			Unnamed4 (CP077340.1)	
			Unnamed5 (CP077341.1)	
FDAARGOS 1394	missing info	CP077369.1 (<i>tel, cop, ars, ohr</i>)	Unnamed1 (CP077370.1)	<i>cop</i>
			Unnamed2 (CP077371.1)	
			Unnamed3 (CP077372.1)	
			Unnamed4 (CP077373.1)	
			Unnamed5 (CP077374.1)	
			Unnamed6 (CP077375.1)	
			Unnamed7 (CP077376.1)	
			Unnamed8 (CP077377)	
ZS207	Gold mine	CP019143.2	pmZS (CP019144)	<i>ars</i>
			pZS-1	

			(CP043941)	
			pZS-2 (CP019152)	
			pZS-3 (CP019145)	
			pZS-4 (CP019147)	
			pZS-5 (CP019146)	
			pZS-6 (CP019151)	
			pZS-7 (CP019148)	
			pZS-8 (CP019149)	
			pZS-9 (CP019150)	
			pZS-11 (NZ_CP019150)	
			pZS-13 (NZ_CP019151)	
			pZS-20 (NZ_CP019152)	
SU1904	Bile	-	pSU1904NDM.1 (LC537594.1)	<i>aphA6</i> , <i>bla</i> _{NDM-1}
WJ10621	Homo sapiens (clinical)	NZ_CM001194.1	pNDM-BJ01 (JQ001791.1)	<i>bla</i> _{NDM-1} , <i>aphA6</i> , <i>ble</i>
WJ10659	Homo sapiens (clinical)	-	pNDM-BJ02 (JQ060896.1)	<i>bla</i> _{NDM-1} , <i>aphA6</i> , <i>ble</i>
Iz4b	Homo sapiens	-	pNDM-Iz4b (NC_025000.1)	<i>bla</i> _{NDM-1} , <i>aphA6</i> , <i>ble</i>
JN49-1	Homo sapiens (feces)	-	pNDM-JN01 (KM210086.1)	<i>bla</i> _{NDM-1} , <i>aphA6</i> , <i>ble</i>
SGC-HZ9	Chicken (cloacal swab)		pAL-01 (JN616388)	<i>bla</i> _{NDM-1} , <i>aphA6</i>
ABZ78	Clinical isolate	-	pABZ78 (JQ739158)	<i>ble</i>

* resistance genes in addition to the genes *cat*, *bla*_{OXA-134}, *macAB* present in the chromosomes of all the studied strains

** plasmids larger than 40 kb are highlighted in bold

Resistance genes: *ohr* – resistance to organic hydroperoxides, *tel* – to tellurium, *aphA6*- to amikacin, *ble* – to bleomycin, *aadA* – to streptomycin / spectinomycin, *qacE* – to quaternary ammonium compounds, *sul* – to sulfonamide, *nreB* – to Ni, *bla*_{NDM-1} – broad-spectrum beta-lactamases., *czc* – to Co/Zn/Cd, *cop* – to Cu, *chr* – to Cr, *ars* – to As; *mer* – mercury resistance operon.