

Table S1: Studies reporting on plasmid mediated colistin resistance in the poultry meat supply chain in China

Source of isolate	Date of isolation (<i>mcr</i> gene assayed)	Number of isolates tested for <i>mcr</i>	Identified gene/variant (Number of organism)	Sequence type and/or phylogroup (Virulence genes)	Plasmid (Associated Insertion sequence)	Additional resistance traits	Reference
Chicken meats	2011-2014 (<i>mcr</i> -1)	357	<i>mcr</i> -1 (35 <i>E. coli</i>)	-	IncI2 and IncHI2 (<i>IS_{AplI}</i>)	<i>fosA3</i> , <i>bla_{CTX-M-44}</i> and <i>oqx_B</i>	Liu <i>et al.</i> (2016)*; Chipping Zhu <i>et al.</i> (2016)*
Chickens	1970-2014 (<i>mcr</i> -1)	1160	<i>mcr</i> -1 (104 <i>E. coli</i>)	-	-	-	Shen <i>et al.</i> (2016)*
Mucovy duck	2015 (<i>mcr</i> -1)	2	<i>mcr</i> -1 (2 <i>E. coli</i>)	ST648 and ST156 (B1 and D)	IncI2 and IncHI2	<i>bla_{NDM-5}</i> , <i>bla_{CTX-M-55}</i> , <i>bla_{TEM-1}</i> , <i>bla_{CMY-2}</i> , <i>rmtB</i> , <i>aac(6')-Ib</i> and <i>fosA3</i>	Yang <i>et al.</i> (2016)*
Chickens and ducks	2014-2015 (<i>mcr</i> -1 to <i>mcr</i> -3)	448	<i>mcr</i> -1 (13 <i>E. coli</i> from chickens and 3 <i>E. coli</i> from ducks)	-	-	-	Yassin <i>et al.</i> (2017)*
Chickens	2015 (<i>mcr</i> -1)	3	<i>mcr</i> -1 (2 <i>Cronobacter sakazakii</i> and 1 <i>E. coli</i>)	-	-	<i>C. sakazakii</i> : <i>floR</i> , <i>qnrS</i> , <i>bla_{NDM-9}</i> , <i>fosA</i> , <i>bla_{CTX-M-65}</i> and <i>bla_{CTX-M-55}</i> ; <i>E. coli</i> : as above except <i>qnrS</i> , <i>bla_{CTX-M-55}</i> and <i>bla_{NDM-9}</i>	Liu <i>et al.</i> (2017)*
Chicken meat	2014 (<i>mcr</i> -1)	1	<i>mcr</i> -1 (1 <i>E. coli</i>)	ST167	IncI2	<i>bla_{NDM-9}</i> , <i>fosA3</i> , <i>rmtB</i> , <i>bla_{CTX-M-65}</i> and <i>floR</i>	Yao <i>et al.</i> (2016)*
Chicken	2012 (<i>mcr</i> -1)	1	<i>mcr</i> -1 (1 <i>E. coli</i>)	ST1011	IncI2 (<i>IS_{AplI}</i> for <i>mcr</i> -1 and <i>ISEcp1</i> for ESBL gene)	<i>bla_{CTX-M-55}</i>	Sun <i>et al.</i> (2016)*
Chickens	2007-2015 (<i>mcr</i> -1)	16	<i>mcr</i> -1 (2 salmonellae)	ST34	IncHI2, IncI2, IncFIB and IncFII	<i>oqxAB</i> , <i>aac(6')-Ib-cr</i> and <i>floR</i>	Li <i>et al.</i> (2016)*
Chickens	2014-2015 (<i>mcr</i> -1)	53	<i>mcr</i> -1 (4 salmonellae)	ST292 <i>Salmonella enterica</i> serovar Albany	IncI2 (<i>IS_{AplI}</i> for <i>mcr</i> -1 and <i>ISEcp1</i> for ESBL gene)	<i>bla_{CTX-M-55}</i>	Yang <i>et al.</i> (2016)*
Chickens	2011-2012 (<i>mcr</i> -1)	96	<i>mcr</i> -1 (2 <i>E. coli</i>)	ST117 and ST22	IncFIC, IncFII, IncFIB, IncI1 and IncI2	Class 1 integron, <i>bla_{TEM-1B}</i> , <i>bla_{TEM-99}</i> , <i>bla_{CTX-M-14}</i> , <i>qacE</i> , <i>sul1</i> , <i>df_{rA17}</i> , <i>catA1</i> , <i>tet(B)</i> and <i>aadA5</i>	Ding <i>et al.</i> (2018)*
Chickens	2015-2016 (<i>mcr</i> -1)	262	<i>mcr</i> -1 (6 <i>E. coli</i>)	-	IncY	-	Zhang <i>et al.</i> (2017)*
Chickens	2010-2014 (<i>mcr</i> -1)	981	<i>mcr</i> -1 (45 <i>E. coli</i>)	-	-	-	Chen <i>et al.</i> (2017)*
Chickens	2007-2014 (<i>mcr</i> -1)	200	<i>mcr</i> -1 (182 <i>E. coli</i>)	-	-	-	Huang <i>et al.</i> (2017)*
Chickens, drinking water, slaughterhouse, and farm sewage	2016 (<i>mcr</i> -1)	228	<i>mcr</i> -1 (102 <i>E. coli</i> and 1 <i>Klebsiella pneumoniae</i>)	ST156, ST6388, ST2736, ST155, ST206, ST224, ST156, ST2599, ST648, ST5498, ST162, ST354 and ST48	IncHI2, IncI2 and IncFIB	<i>bla_{NDM-9}</i> , <i>bla_{NDM-5}</i> and <i>bla_{NDM-4}</i>	Wang <i>et al.</i> (2018)*

Chickens	2010-2015 (<i>mcr-1</i>)	1136	<i>mcr-1</i> (58 <i>E. coli</i>) and <i>mcr-1.3</i> (1 <i>E. coli</i>)	ST48, ST10, ST616, ST88, ST77, ST542, ST5879, ST5865, ST1431, ST1290, ST873, ST971, ST952, ST5851, ST101, ST761, ST6050, ST351, ST361, ST744, ST117, ST3044, ST2491, ST2345, ST1642, ST5909, ST601, ST3944, ST870, ST3133, ST617, ST215, ST178, ST58, ST155, ST3481 and ST5542	IncI2 (IS2)	<i>bla</i> _{CTX-M-1} and <i>bla</i> _{CTX-M-9}	Yang <i>et al.</i> (2017)*
Chickens and chicken meats	2017 (<i>mcr-1</i> to <i>mcr-7</i>)	3	<i>mcr-3.15</i> and <i>mcr-3-like2</i> (1 <i>Aeromonas media</i>), <i>mcr-3.16</i> and <i>mcr-3-like4</i> (1 <i>A. salmonicida</i>), and <i>mcr-3.17</i> and <i>mcr-3-like3</i> (1 <i>A. allosaccharophila</i>)	<i>ahh1</i>	ISKpn3 and ISAs17	<i>bla</i> _{OXA-10} , <i>cmlA1</i> , <i>dfrA14</i> , <i>mph(A)</i> , <i>tet(E)</i> , <i>aadA1</i> , <i>bla</i> _{CEPH-A3-like} , <i>bla</i> _{FOX-2} , <i>bla</i> _{OXA-12} , <i>dfrA17</i> , <i>sul1</i> and <i>tet(E)</i>	Shen <i>et al.</i> (2018)***
Chickens	2015-2016 (<i>mcr-1</i> and <i>mcr-2</i>)	443	<i>mcr-1</i> (388 <i>E. coli</i>) and <i>mcr-2</i> (66 <i>E. coli</i>); <i>mcr-1</i> and <i>mcr-2</i> (32 <i>E. coli</i>)	-	-	-	Zhang <i>et al.</i> (2018)*
Chickens	2016 (<i>mcr-1-mcr-8</i>)	15	<i>mcr-8.1</i> and <i>mcr-8.4</i> (2 <i>Raoultella ornithinolytica</i>)	-	IncFII (ΔIS903B)	<i>aadA1</i> , <i>aph(3')-Ia</i> , <i>strA</i> , <i>strB</i> , <i>aac(6')-Ib</i> , <i>armA</i> , <i>fosA</i> , <i>mph(E)</i> , <i>floR</i> , <i>cml</i> , <i>qnrB4</i> , <i>sul</i> , <i>tet(B)</i> , <i>tet(34)</i> , <i>bla</i> _{TEM-1B} , <i>bla</i> _{OXA-1} , <i>bla</i> _{DHA-1} , <i>aac(3)-IVa</i> , <i>aph(4)-Ia</i> , <i>aadA2</i> , <i>mph(A)</i> , <i>cat</i> , <i>qnrS4</i> , <i>oqxAB</i> , <i>qnrB52</i> , <i>sul1</i> , <i>sul2</i> , <i>sul3</i> , <i>tet(A)</i> , <i>tet(O)</i> , <i>tet(B)</i> and <i>bla</i> _{SHV-73}	Wang <i>et al.</i> (2019)*
Chickens	2010-2015 (<i>mcr-1</i> to <i>mcr-5</i> and <i>mcr-7</i>)	10	<i>mcr-1</i> (7 <i>K. pneumoniae</i>) and <i>mcr-7</i> (3 <i>K. pneumoniae</i>)	ST15	IncI2	<i>mcr-7.1</i> strain: <i>bla</i> _{CTX-M-55} ; <i>mcr-1</i> strain: <i>bla</i> _{SHV-28} , <i>oqxAB</i> , <i>fosA</i> , <i>bla</i> _{CTX-M-55} and <i>aph(3')-Ia</i>	Yang <i>et al.</i> (2018)*
Chickens and ducks	2015-2017	1360	<i>mcr-1.1</i> (170 <i>E. coli</i>), <i>mcr-1.3</i> and	ST2732, ST2914, ST68, ST501,	IncI2, IncX4, IncFIB, IncFII,	<i>strA</i> , <i>strB</i> , <i>aph(3')-Ia</i> , <i>aac(3')-IIId</i> , <i>aac(3')-Iva</i> , <i>fosA3</i> ,	Zhuge <i>et al.</i> (2019)***

	(<i>mcr</i> -1 to <i>mcr</i> -5)		<i>mcr</i> -1.7 (1 <i>E. coli</i> each)	ST38, ST2085, ST117, ST10, ST1060, ST827, ST131, ST617, ST7153, ST48, ST93, ST58, ST2323, ST155, ST224, ST602, ST167, ST4214, ST302, ST216, ST34, ST540, ST227, ST3014, ST162, ST6257, ST410, ST452, ST3499, ST6484, ST1011, ST95, ST2171, ST648, ST457, ST29, ST294, ST723, ST109, ST678, ST17, ST62, ST3, ST5694, ST101, ST359 and ST127	IncHI2A, IncB/O/K/Z, IncA/C and IncL/M	<i>catA1</i> , <i>catB</i> , <i>cmlA1</i> , <i>floR</i> , <i>sul1</i> , <i>sul2</i> , <i>dfxR</i> , <i>tet(A)</i> , <i>tet(B)</i> , <i>tet(M)</i> , <i>oqxA</i> , <i>oqxB</i> , <i>qnrS</i> , <i>qnrA</i> , <i>qepA</i> , <i>qnr</i> , <i>aac(6')Ib-cr</i> and <i>qnrD</i>	
Chickens	2014-2015 (<i>mcr</i> -1)	120	<i>mcr</i> -1 (70 <i>E. coli</i>)	ST10 and ST156	IncI	<i>bla</i> _{NDM}	Wang <i>et al.</i> (2017)*
Ducks	2017 (<i>mcr</i> -3 and WGS)	<i>mcr</i> -3 detected in 3 cloacal samples	<i>mcr</i> -3.10 (1 each of <i>Aeromonas caviae</i> , <i>E. coli</i> and <i>Proteus mirabilis</i>)	<i>E. coli</i> : ST457; <i>A. caviae</i> : ST513	IncI2 (IS <i>AsI3</i> and IS <i>Aeca6</i>)	<i>E. coli</i> : <i>ant(6)-Ia</i> and <i>tet(D)</i>	Wang <i>et al.</i> (2018)***
Chickens and environment	2016 (<i>mcr</i> -1)	52	<i>mcr</i> -1 (22 <i>E. coli</i> , 5 <i>Salmonella</i> , 1 <i>Providencia alcalifaciens</i> and 1 <i>Enterobacter cloacae</i>) and <i>mcr</i> -1.3 (1 <i>Rauoltella planticola</i>)	-	IncX4 and IncI2 (IS <i>Apl1</i>)	-	Wang <i>et al.</i> (2018)*
Chicken	2016 (<i>mcr</i> -1)	1	<i>mcr</i> -1 (1 <i>E. coli</i>)	ST457	IncFIB, IncFII and IncI2	<i>bla</i> _{CTX-M-27} , <i>aadA2</i> , <i>aph(3')-Ia</i> , <i>strA/B</i> , <i>rmtB</i> , <i>bla</i> _{TEM-1B} , <i>fosA</i> , <i>mph(A)</i> , <i>erm(B)</i> , <i>floR</i> , <i>sul1</i> , <i>sul2</i> <i>tet(A)</i> and <i>dfxR12</i>	Zhang <i>et al.</i> (2019)*
Chickens	2013 (<i>mcr</i> -1 and <i>mcr</i> -2)	168	<i>mcr</i> -1 (10 <i>E. coli</i>)	ST2018, ST37, ST117, ST359, ST155 and ST3489	IncI2	<i>bla</i> _{CTX-M-15} and <i>bla</i> _{SHV-11}	Wang <i>et al.</i> (2017)*
Ducks	2018 (<i>mcr</i> -1)	125	<i>mcr</i> -1 (1 <i>Salmonella</i>)	ST399 and ST2529	IncX4 and IncHI2	<i>aph(6)-Id</i> , <i>aph(3'')-Ib</i> , <i>aac(6')-Iaa</i> ,	Tang <i>et al.</i> (2020)***

			Goldcoast and 1 <i>Salmonella</i> Ngor)			<i>aadA2</i> , <i>aac(6')-Iaa</i> , <i>aac(3)-IIa</i> , <i>aadA5</i> , <i>aph(4)-Ia</i> , <i>aac(3)-IV</i> , <i>aadA5</i> , <i>bla</i> _{CTX-M-55} , <i>bla</i> _{CTX-M-14} , <i>floR</i> , <i>sul1</i> , <i>sul2</i> , <i>drfA12</i> , <i>dfx17</i> , <i>tet(A)</i> , <i>oqx</i> <i>B</i> , <i>oqx</i> <i>A</i> , <i>qnrS1</i> , <i>fosA3</i> and <i>mph(A)</i>	
Chickens	2008-2014 (<i>mcr</i> -to <i>mcr</i> -5)	341	<i>mcr</i> -1 (44 <i>E. coli</i>)	ST1564, ST1589, ST3041, ST1286, ST648, ST5229, ST617, ST10, ST29, ST46, ST93, ST101, ST156, ST165, ST354, ST533 and ST542	IncI2 (IS <i>Apl1</i>)	Tn6330, <i>bla</i> _{TEM-198} , <i>bla</i> _{TEM-1} , <i>bla</i> _{CTX-M-55} , <i>bla</i> _{CTX-M-14} , <i>bla</i> _{CTX-M-65} , <i>bla</i> _{CTX-M-15} , <i>bla</i> _{CTX-M-65} , <i>bla</i> _{OXA-1} , <i>bla</i> _{OXA-10} , <i>bla</i> _{TEM-141} and <i>bla</i> _{CMY}	Wu <i>et al.</i> (2018)*
Ducks	<i>mcr</i> -1 to <i>mcr</i> -8	45	<i>mcr</i> -1.1 (35 <i>E. coli</i>)	ST48, ST7157, ST10, ST220, ST16, ST189, ST226, ST7454, ST93, ST2929, ST2223, ST162, ST156, ST1582, ST155, ST410, ST1011, ST5259, ST648, ST354 and ST770	IncHI2, IncI, IncX4, IncP and Incp0111	<i>bla</i> _{TEM-1}	Shen <i>et al.</i> (2019)**
Chickens	2017-2018 (<i>mcr</i> -1)	668	<i>mcr</i> -1 (102 <i>E. coli</i>)	ST1251, ST219, ST4710, ST10, ST4477, ST93, ST423, ST95, ST224, ST168, ST48, ST1011, ST69, ST101, ST38, ST43, ST602, ST4969, ST206, ST7584, ST359, ST8900, ST156, ST271, ST359, ST1286,ST47 53, ST4204, ST354, ST189, ST1266, ST2732, ST4129, ST648,ST617, ST7108,	-	<i>bla</i> _{TEM} , <i>bla</i> _{CTX-M} , <i>bla</i> _{PSE} , <i>bla</i> _{SHV} , <i>aac(6)-Ib-cr</i> and <i>qnrB</i>	Zhao <i>et al.</i> (2020)***

				ST2847 and ST297			
Chickens	2008 (<i>mcr-1</i> to <i>mcr-9</i>)	55	<i>mcr-3.6</i> and <i>mcr-3</i> -like (1 <i>Aeromonas veronii</i>)	ST514	ISAs2, ISAs20 and Δ 1ISAhy2 and Δ 2ISAhy2	Tn6518, <i>bla</i> _{PER-3} , <i>strA</i> , <i>strB</i> , <i>aac(6')Ib-cr</i> , <i>aacA4</i> , <i>mph(A)</i> , <i>catB3</i> , <i>sul1</i> and <i>tetE</i>	Wang <i>et al.</i> (2020)*
Chickens and chicken slaughter environment	2010-2019 (<i>mcr-1</i>)	721	<i>mcr-1.1</i> (10 GNB.)	-	-	-	Fan <i>et al.</i> (2020)**
Chicken meat and egg	2011-2016 (<i>mcr-1</i>)	2	<i>mcr-1</i> (1 <i>Salmonella</i> Indiana and 1 <i>Salmonella</i> Typhimurium)	ST 17 and ST34	IncHI2 and IncI2; and chromosome	<i>bla</i> _{OXA-1} , <i>bla</i> _{CTX-M-65} , <i>bla</i> _{TEM-1B} , <i>aac(3)-Iva</i> , <i>aph(4)-Ia</i> , <i>bla</i> _{CTX-M-14} and <i>fosA3</i>	Hu <i>et al.</i> (2019a)*; Hu <i>et al.</i> (2019b)*
Chickens	2017 (<i>mcr-1</i> to <i>mcr-4</i>)	130	<i>mcr-1</i> (75 <i>E. coli</i>)	-	-	<i>bla</i> _{TEM} , <i>bla</i> _{CTX-M} , <i>aphA3</i> , <i>tetA</i> , <i>tetB</i> , <i>tetC</i> , <i>sul1</i> and <i>sul2</i>	Song <i>et al.</i> (2020)***
Chicken	2019 (<i>mcr-1</i> to <i>mcr-8</i>)	1 <i>Klebsiella pneumoniae</i>	<i>mcr-8.2</i> (1 <i>Klebsiella pneumoniae</i>)	ST395	IncFIB (K) (ISEc11, IS903B and ISKpn26	<i>floR</i> , <i>sul1</i> , <i>aac(6')-Ib-cr</i> , <i>aadA16</i> , <i>aadA2</i> , <i>aph(3')-Ia</i> , <i>bla</i> _{CTX-M-27} , <i>bla</i> _{DHA-1} , <i>mph(A)</i> , <i>tet(D)</i> , <i>dfrA12</i> , <i>dfrA27</i> , <i>aac(6')-Ib-cr</i> and <i>qnrB4</i>	Yang <i>et al.</i> (2020)***
Chickens	2019 (<i>mcr-1</i> to <i>mcr-10</i>)		<i>mcr-8</i> (16 <i>K. pneumoniae</i>)	ST37 and ST3332	IncFIB/IncFII, IncFIA/IncFI B, IncHIIB and IncFIB/IncHI1 B	<i>tmexCD1-toprJ1</i> , <i>bla</i> _{CTX-M-27} , <i>bla</i> _{DHA-1} , <i>bla</i> _{SHV-11/12} , <i>bla</i> _{TEM-1B} , <i>floR</i> , <i>fosA</i> , <i>ogxA</i> , <i>tet(A)</i> , <i>dfrA27</i> , <i>sul1</i> , <i>sul3</i> , <i>rmtB</i> , <i>aac(6')Ib</i> , <i>aadA</i> , <i>ant(2'')-Ia</i> , <i>aph(3'')-Ib</i> , <i>aph(6)-Id</i> , <i>qnrB4</i>	Wang X <i>et al.</i> (2022)***
Chicken	<i>mcr-1</i> to <i>mcr-10</i>	1	<i>mcr-1</i> (1 <i>E. fergusonii</i>)	-	-	<i>bla</i> _{TEM-1A} , <i>bla</i> _{CTX-M-65} , <i>bla</i> _{OXA-1} , <i>bla</i> _{TEM-1B} , <i>bla</i> _{CTX-M-55} , <i>aac(3)-IIId</i> , <i>aph(3')-Ia</i> , <i>aph(3')-Ib</i> , <i>aph(6)-Id</i> , <i>rmtB</i> , <i>aac(6')-Ib-cr</i> , <i>aadA2</i> , <i>qnrS2</i> , <i>ogxA</i> , <i>ogxB</i> , <i>fosA</i> , <i>mph(A)</i> , <i>floR</i> , <i>catA1</i> , <i>catB3</i> , <i>arr-3</i> , <i>sul1</i> , <i>sul2</i> , <i>dfrA12</i> , and <i>tet(A)</i>	Tang B <i>et al.</i> (2020a)***
Chickens	2010-2011 (<i>mcr-1</i> to <i>mcr-9</i>)	210 <i>E. coli</i>	<i>mcr-1</i> (77 <i>E. coli</i>)	(A, B1, B2 and D) <i>aafII</i> , <i>eae</i> and <i>stx1</i>	IncHI2, IncFrep, IncFIC, IncX4, IncFIA, IncP, IncN, IncY and IncA/C (ISEcp1, ISCR1 and ISAp11)	<i>bla</i> _{TEM} , <i>bla</i> _{SHV} , <i>bla</i> _{CTX-M-1} , <i>bla</i> _{CTX-M-9} , <i>bla</i> _{CTX-M-55} , <i>bla</i> _{CTX-M-14} , <i>bla</i> _{CTX-M-15} , <i>bla</i> _{CTX-M-28} , <i>bla</i> _{CTX-M-66} and integrons	Shafiq M. <i>et al.</i> (2021)*
Chickens and ducks	2019 (<i>mcr-1</i> to <i>mcr-10</i>)	104 <i>E. fergusonii</i>	<i>mcr-1</i> (24 <i>E. fergusonii</i>) from chickens and ducks		IncI2, IncHI2 and IncHI2A (ISAp11)	<i>bla</i> _{TEM-1B} , <i>floR</i> , <i>bla</i> _{CTX-M-65} , <i>bla</i> _{OXA-10} , <i>bla</i> _{CTX-M-3} , <i>bla</i> _{TEM-1A} , <i>fosA3</i> , <i>bla</i> _{CTX-M-137} , <i>bla</i> _{CTX-M-14} , <i>bla</i> _{CTX-M-55} and mutation in <i>gyrA</i>	Tang B. <i>et al.</i> (2020b)***

Ducks	2020-2021 (<i>mcr-1</i> to <i>mcr-10</i>)	54 <i>E. fergusonii</i>	<i>mcr-1</i> (4 <i>E. fergusonii</i>)	<i>gad</i> , <i>ireA</i> , <i>iss</i> , <i>iucC</i> , <i>iutA</i> , <i>papA20</i> , <i>papC</i> , <i>terC</i> , <i>traT</i> and <i>Irea</i>	IncI2	<i>aac(3)-IV</i> , <i>aadA1</i> , <i>aadA2B</i> , <i>aph(3)-Ib</i> , <i>aph(4)-Ia</i> , <i>aph(6)-Id</i> , <i>bla_{OXA-10}</i> , <i>qnrS1</i> , <i>lnu(F)</i> , <i>cmlA1</i> , <i>floR</i> , <i>arr-2</i> , <i>sul2</i> , <i>sul3</i> , <i>dfrA14</i> , <i>tet(A)</i> and <i>tet(B)</i>	Lin J et al. (2022)***
Chicken meat	2017 (<i>mcr-1</i> to <i>mcr-10</i>)	2	<i>mcr-1</i> (2 <i>E. coli</i>)	ST83 and ST21	IncHI2 and IncI2 (IS26s; IS186B and class one integron)	<i>bla_{NDM-5}</i> , <i>mph(A)</i> , <i>tet(M)</i> , <i>floR</i> and <i>aph(39)-Ia</i>	Liu X. et al. (2021)***
Chickens	2016-2018 (<i>mcr-1</i> to <i>mcr-9</i>)	37	<i>mcr-1</i> (12 <i>E. coli</i>)	ST10, ST206, ST48, ST155, ST542, ST2539, ST196, ST90, ST2253, ST871, ST73, ST4976, ST3494, ST641, ST410, ST1147, and ST1141. STs of chicken strains were not indicated	-	<i>bla_{SHV}</i> , <i>aac(6')-Ib-cr</i> , <i>qepA</i> , <i>qnrS</i> , <i>oqxA</i> , <i>oqxS</i> , <i>sul1</i> , <i>sul2</i> , <i>sul3</i> , <i>bla_{TEM}</i> , <i>bla_{CTX-M}</i> , <i>aacC2</i> , <i>aacC4</i> , <i>strA</i> , <i>tetA</i> , <i>tetB</i> , <i>tetC</i> and <i>floR</i>	Li F. et al. (2022)*
Eggs and pickled ready-to-eat meat	2007-2016 (<i>mcr-9</i>)	2027 <i>Salmonella</i>	<i>mcr-9</i> (127 <i>Salmonella</i>)	-	-	<i>bla_{TEM-1}</i> and <i>bla_{CTX-M-3}</i>	Sheng et al. (2022)*
Chicken and duck meats	2017 (<i>mcr-1</i> to <i>mcr-10</i>)	<i>Salmonella</i>	<i>mcr-1.1</i> (1 <i>Salmonella</i>) and <i>mcr-9</i> (4 <i>Salmonella</i>)	<i>fimD</i> and <i>pefC</i>	IncX4 and IncI, IncHI2A	<i>aac(6')-Iaa</i> , <i>aph(300)-Ib</i> , <i>bla_{TEM-1}</i> and <i>sul2</i>	Lyu et al. (2021)***
Chicken meats	2015-2017 (<i>mcr-1</i> to <i>mcr-4</i>)	315 <i>E. coli</i>	<i>mcr-1</i> (34 <i>E. coli</i>)	=	IncI2 and IncHI2	<i>bla_{NDM-1}</i>	Liu X. et al. (2019)***
Chickens and ducks	(2017) <i>mcr-1</i>	27 <i>E. coli</i>	<i>mcr-1</i> (27 <i>E. coli</i>)	ST767, ST155, ST457, ST48, ST4204, ST533, ST1638, ST101, ST6395, ST4408, ST1968, ST117 and ST156	-	<i>bla_{CTX-M-14}</i> , <i>bla_{CTX-M-15}</i> , <i>bla_{TEM-1}</i>	Li X. et al. (2020)***
Chickens	<i>mcr-1</i>	78 <i>E. coli</i>	<i>mcr-1</i> (53 <i>E. coli</i>)	ST297, ST156, ST2973, ST2847, ST117, ST101, ST617, ST10, ST1011 and ST2944	IncI2 and IncHI2/ST3-type	<i>bla_{CTX-M9G}</i> , <i>bla_{CTX-M1G}</i> , <i>rmtB</i> , <i>bla_{NDM-5}</i> , <i>bla_{NDM-1}</i> , <i>floR</i> and <i>fosA3</i>	Liu B-T et al. (2017)***
Geese	2017 (<i>mcr-1</i> to <i>mcr-10</i>)	162 <i>Enterobacteriaceae</i>	<i>mcr-1</i> (1 <i>E. coli</i>)	-	Chromosomal <i>mcr-1</i>	<i>qnrS1</i> , <i>bla_{TEM-1B}</i> , <i>aph(6)-Id</i> , <i>aph(3')-Ib</i> , <i>sul2</i> , <i>dfrA14</i> , <i>floR</i> and <i>tet(A)</i> (IS <i>AplI</i>)	Lu X et al. (2019)***
Chicken and chicken	2019-2020	690 samples	<i>mcr-1</i> (17 <i>E. coli</i>)	ST10338, ST1403, ST1421,	-	<i>bla_{CTX}</i> , <i>bla_{OXA}</i> , <i>bla_{TEM}</i> , <i>bla_{TEM-122}</i> , <i>tet(A)</i> , <i>floR</i> , <i>qnrS1</i> ,	Hu et al. (2022)***

farm environment (water, litter and soil) and flies in farm environment	(<i>mcr-1</i> to <i>mcr-10</i>)			ST156, ST162, ST3941, ST6321, ST69, ST7153, ST93, and ST12735 (A, B1 and D)		<i>dfrA10</i> , <i>dfrA14</i> and <i>sul1</i>	
Live poultry markets	2015-2017 (<i>mcr-1</i> to <i>mcr-9</i>)	926 <i>E. coli</i>	<i>mcr-1</i> (157 <i>E. coli</i>)	ST362, 117, 2944, (<i>KpsM II</i> , <i>iutA</i> and <i>papA</i>)	-	<i>bla</i> _{CTX-M-9G} , <i>fosA3</i> , <i>rmtB</i> , <i>floR</i> , <i>bla</i> _{NDM-5} , <i>bla</i> _{CTX-M-1G} and <i>oqxAB</i>	Zou et al. (2021)**
Chickens, slaughterhouse workers and people nearby	2019 (<i>mcr-10</i>)	200 <i>Enterobacteriales</i>	<i>mcr-10.1</i> and <i>mcr-8</i> (2 <i>K. pneumoniae</i> from chicken, 1 <i>E. coli</i> from slaughterhouse and 1 <i>Enterobacter kobei</i> from nearby person)	ST216; <i>K. pneumoniae</i> : ST11 <i>Enterobacter</i> : ST1605,	IncFIB, IncFII and IncFIA	<i>Klebsiella</i> : <i>bla</i> _{ACT-9} , <i>aph(3)-Ib</i> , <i>aph(6)-Ib</i> , <i>aadA16</i> , <i>aac(3)-IIId</i> , <i>aac(6)-Ib-cr</i> , <i>arr-3</i> , <i>mph(A)</i> , <i>dfrA27</i> , <i>sul1</i> , <i>sul2</i> , <i>tet(A)</i> , <i>qacE</i> , <i>qnrB52</i> , <i>bla</i> _{TEM-1B} , <i>floR</i> , <i>qnrS1</i> , <i>bla</i> _{CTX-M-15} , <i>bla</i> _{TEM-1B} , <i>aph(39)-Ia</i> , <i>aph(39)-Ib</i> , <i>aph(39)-IIId</i> , <i>aadA16</i> , <i>aph(6)-Id</i> , <i>aph(6)-Id-cr</i> , <i>tet(A)</i> , <i>mph(A)</i> , <i>aac(69)-Ibcr</i> , <i>dfrA27</i> , <i>msr(E)</i> , <i>mph(E)</i> , <i>qacE</i> , <i>cmlA1</i> , <i>qnrB52</i> , <i>sul1</i> , <i>tet(A)</i> , <i>bla</i> _{TEM-1B} , <i>floR</i> , <i>fosA</i> , <i>oqxA</i> , <i>oqxB</i> and <i>bla</i> _{SHV-182}	Xu et al. (2022)***
Chickens	2016-2019 (<i>mcr-1</i> to <i>mcr-10</i>)	53 samples	<i>mcr-1</i> (10 <i>E. coli</i>)	ST156, ST5454 and ST602 (<i>cvaC</i> , <i>etsC</i> , <i>hlyF</i> , <i>iroN</i> , <i>iss</i> , <i>iucC</i> , <i>iutA</i> , <i>mchF</i> , <i>ompT</i> , <i>sitA</i> , <i>traT</i> , <i>gad</i> , <i>hra</i> , <i>lpfA</i> , <i>papA</i> , <i>F19</i> , <i>terC</i> , <i>astA</i> , <i>gad</i> , <i>lpfA</i> , <i>papC</i> , <i>terC</i> and <i>cma</i>)	IncX4 and IncI2	<i>bla</i> _{TEM-1B} , <i>mdf(A)</i> , <i>gytA</i> , <i>aadA2</i> , <i>aac(3)-IIId</i> , <i>aph(3')-Ia</i> , <i>oqxA</i> , <i>oqxB</i> , <i>dfrA12</i> , <i>sitABCD</i> , <i>mph(A)</i> , <i>bla</i> _{CTX-M-55} , <i>aph(6)-Id</i> , <i>aph(3'')-Ib</i> , <i>tet(A)</i> , <i>sul2</i> , <i>floR</i> , <i>fosA3</i> , <i>bla</i> _{NDM-5} , <i>aadA1</i> , <i>dfrA1</i> , <i>fosA7</i> , <i>mdf(A)</i> , <i>dfrA17</i> and mutation in <i>gyrA</i>	Liu Z et al. (2021)**
Chickens	<i>mcr-1</i> to <i>mcr-10</i>	8	<i>mcr-1</i> (4 <i>E. coli</i>)	ST189 (<i>gad</i>)	IncX3	<i>bla</i> _{CTX-M-65} , <i>bla</i> _{OXA-10} , <i>bla</i> _{NDM-5} , <i>bla</i> _{CTX-M-65} , <i>bla</i> _{OXA-10} , <i>aph(4)-Ia</i> , <i>aac(3)-IVa</i> , <i>fosA</i> , <i>aac(6')-Ib-cr</i> , <i>aph(3')-Ia</i> and <i>mph(A)</i>	Liu Z. et al. (2022)
Chickens	1970-2019 (<i>mcr-1</i> to <i>mcr-10</i>)	567 <i>E. coli</i>	<i>mcr-1</i> (251 <i>E. coli</i>)	Many up to 21	NA	<i>aac(3)-IIa</i> , <i>aac(3)-Iva</i> , <i>aac(6')-Ib-cr</i> , <i>aph(3'')-Ia</i> , <i>aadA</i> , <i>aadA5</i> , <i>aph(4)-Ia</i> , <i>qnrS</i> , <i>aphA2</i> , <i>oqxB</i> , <i>oqxA</i> , <i>erm(B)</i> , <i>erm(C)</i> , <i>lnu(F)</i> , <i>mph(A)</i> , <i>bla</i> _{CTX-M-1} , <i>bla</i> _{CTX-M-9} , <i>bla</i> _{NDM-1} , <i>bla</i> _{OXA-1} , <i>bla</i> _{CMY} ,	Yang L. et al. (2022)**

						<i>bla</i> _{TEM-1D} , <i>ampC2</i> , <i>ampC1</i> , <i>strB</i> , <i>strA</i> , <i>sat2a</i> , <i>rmtB</i> , <i>fosA</i> , <i>catA1</i> , <i>catB3</i> , <i>cmlA</i> , <i>floR</i> , <i>arr</i> , <i>sul1</i> , <i>sul2</i> , <i>sul3</i> , <i>tet(A)</i> , <i>tet(B)</i> , <i>tet(M)</i> , <i>dfrA1</i> , <i>dfrA27</i> , <i>dfrA5</i> , <i>dfrA7</i> and <i>dfrA12</i>	
Pigeons	<i>mcr-1</i> to <i>mcr-10</i>	3	<i>mcr-1</i> (3 <i>E. coli</i>)	ST6775 (<i>gad</i> , <i>neuC</i> , <i>terC</i> and <i>traT</i>)	Chromosomal <i>mcr-1</i> , (Tn633)	<i>bla</i> _{NDM-5} , <i>tet(X4)</i> , <i>aadA1</i> , <i>aadA2</i> , <i>aph(39)-Ia</i> , <i>aac(3)-IIa</i> , <i>floR</i> , <i>cmlA1</i> , <i>mdf(A)</i> , <i>tet(A)</i> , <i>sul2</i> , <i>sul3</i> , <i>dfrA12</i> , <i>erm(42)</i> , and <i>mef(B)</i>	Lu X et al. (2022)***
Chickens	2013-2016 (<i>mcr-8</i>)	26	<i>mcr-8.1</i> and novel <i>mcr-8.5</i> (7 <i>K. pneumoniae</i>) and <i>mcr-3.11</i> (1 <i>K. pneumoniae</i>)	ST37	IncFIA, IncFII(K), IncFII and IncFIB (<i>ISAp11</i>)	<i>tmexCD1-toprJ</i>	S. Sun et al. (2020)*
Chicken			novel <i>mcr-8</i> (<i>K. pneumoniae</i>)				Wang et al. (2018)
Chickens	2013 (<i>mcr-1</i>)	58	<i>mcr-1</i> (53 <i>E. coli</i>)		IncHI2 and IncI2 (<i>ISAp11</i>)	<i>bla</i> _{CTX-M-14} , <i>bla</i> _{CTX-M-64} , <i>fosA3</i> , <i>bla</i> _{CTX-M-55} , <i>bla</i> _{CTX-M-65} , <i>floR</i> , <i>bla</i> _{CTX-M-82b} and <i>rmtB</i>	Cao et al. (2020)*
Chicken	2016 (<i>mcr-1</i> to <i>mcr-10</i>)	1	<i>mcr-1</i> (1 <i>E. coli</i>)	ST93	IncI2	<i>bla</i> _{CTX-M-55} , <i>bla</i> _{TEM-1b} , <i>rmtB</i> , <i>bla</i> _{CTX-M-14} , <i>fosA3</i> , <i>floR</i> , <i>cmlA1</i> , <i>aac(3)-IVa</i> , <i>Δaac(3)-IIa</i> , <i>aph(4)-Ia</i> , <i>aph(3')-Ia</i> , <i>ant(3'')-Ia</i> , <i>ant(3'') family</i> , <i>sul2</i> , <i>sul3</i> , <i>dfrA12</i> , <i>qacL</i> , <i>mef(B)</i> , and <i>lnu(F)</i>	Li et al. (2021)*
Chicken egg	2016 (<i>mcr-1</i>)	755 <i>Salmonella</i>	<i>mcr-1.19</i> (1 <i>S. Typhimurium</i>)	ST34	IncHI2 (<i>ISAp11</i>)	<i>bla</i> _{TEM-1B} , <i>bla</i> _{CTX-M-14} , <i>fosA3</i> and mutation in <i>gyrA</i>	Hu et al. (2021)*
Chicken	2019	1	<i>mcr-10.1</i> (<i>Enterobacter rogenkampii</i>)	ST1056	IncFII	<i>bla</i> _{MIR} and <i>fosA</i>	Lei et al. (2021)***
Chickens	2014-2019 (<i>mcr-1</i> to <i>mcr-4</i>)	131	<i>mcr-1</i> (51 <i>E. coli</i>)	ST696, ST162, ST156, ST10, ST226, ST3519, ST359, ST2179, ST124, ST48, ST6706, ST175, ST6740, ST65, ST189, ST1296, ST4935, ST612, ST171, ST7115, ST117, ST1158, ST2732, ST354, ST82 and ST7189	IncN, IncHI2, IncI1, IncFIB, IncP, IncX4, IncY, IncFrep, IncX2, and IncFIA	-	Zhang W. et al. (2022)***

Geese	<i>mcr-1</i> to <i>mcr-10</i>	33 <i>K. pneumoniae</i>	<i>mcr-1</i> (1 <i>K. pneumoniae</i>)	<i>entB</i> , <i>C</i> , <i>E</i> , <i>F</i> , <i>S</i> , <i>acrB</i> , <i>fepA</i> , <i>D</i> , <i>G</i> , <i>etsC</i> , <i>altB</i> , <i>ompA</i> , <i>gndA</i> , <i>galF</i> , <i>rpos</i> , <i>ugD</i> and <i>rfbK</i>	-	<i>bla</i> _{NDM-5} , <i>bla</i> _{CTX-M} , <i>aad</i> , <i>oqx</i> <i>B</i> and <i>tet</i>	Bai <i>et al.</i> (2022)
Poultry meat	<i>mcr-1</i> to <i>mcr-10</i>	2	<i>mcr-1</i> (1 <i>E. coli</i>)	-	IncHI	<i>bla</i> _{OXA-1} , <i>bla</i> _{CTX-M-65} , <i>bla</i> _{TEM-1B} , <i>aac</i> (3)-IV, <i>aadA22</i> , <i>tet</i> (A), <i>tet</i> (M), <i>catB3</i> , <i>floR</i> , <i>sul1</i> , <i>sul2</i> , <i>aac</i> (6')-Ib-cr, <i>oqx</i> <i>A</i> , <i>oqx</i> <i>B</i> and <i>qnrS2</i>	Wang <i>et al.</i> (2022)
Pigeons	2017 and above (<i>Mcr-1</i> to <i>mcr-10</i>)	100	<i>mcr-1</i> (45 <i>E. fergusonii</i>)	ST646, ST155, ST38, ST224, ST8024, ST7153, ST939, ST648, ST2351, ST6164 and ST6775	IncX4, IncI2, IncI1, IncHI1, IncY, IncFIB, IncF, IncN	<i>tet</i> (X4)	Lu <i>et al.</i> (2023)
Ducks and geese	2019-2020 (<i>mcr-1</i> to <i>mcr-10</i>)		<i>mcr-1</i> (57 <i>E. coli</i>)	-	IncHI2, IncX4, IncI2, IncFIB, IncFIA, IncFIC, IncFII and IncHI2A	<i>bla</i> _{CTX-M-55} , <i>bla</i> _{CTX-M-65} , <i>bla</i> _{TEM-1} , <i>bla</i> _{OXA-10} , <i>bla</i> _{OXA-1} , <i>bla</i> _{CTX-M-123} , <i>fosA3</i> , <i>floR</i> , <i>tet</i> (A) and <i>bla</i> _{TEM-1}	Hu <i>et al.</i> (2022)***
Poultry birds and farmworkers	2019 (<i>mcr-1</i> to <i>mcr-10</i>)	5	<i>mcr-8.1</i> (3 <i>Klebsiella pneumoniae</i>)	<i>fim</i> ABCDEFGH, <i>HI</i> , <i>mrk</i> ABCDFHI, <i>J</i> , <i>ent</i> ABCDEF, <i>fep</i> ABCDG and <i>iroE</i>	IncFII(pKP91)/IncFIA(HI1)	<i>bla</i> _{NDM-5} , <i>armA</i> , <i>bla</i> _{TEM-1B} , <i>bla</i> _{CTX-M-1} , <i>bleO</i> , <i>oqx</i> <i>AB</i> <i>qnrS</i> , <i>qnrB</i> , <i>aac</i> (6')-Ib-cr, <i>gyrA</i> and <i>parC</i>	Yang <i>et al.</i> (2022)***
Chicken eggs	2017-2022 (<i>mcr-1</i> to <i>mcr-10</i>)	22	<i>mcr-1</i> (7 <i>Salmonella</i>)	-	-	<i>aph</i> (4)-Ia, <i>aac</i> (3)-IV, <i>aph</i> (6)-Id, <i>aac</i> (60)-Iaa, <i>aph</i> (3'')-Ib, <i>bla</i> _{OXA-1} , <i>bla</i> _{TEM-1B} , <i>aac</i> (6')-Ib-cr and <i>gyrA</i> <i>catB3</i> , <i>arr-3</i> , <i>sul1</i> , <i>sul2</i> , <i>aph</i> (30)-Ia, <i>aadA1</i> , <i>aadA2b</i> , <i>sul3</i> , <i>oqx</i> <i>AB</i> , <i>floR</i> , <i>dfrA12</i> , <i>cmlA1</i> and <i>terYXWZ</i> ABCDEF	Li <i>et al.</i> (2022)***
Chickens	2020-2021 (<i>mcr-1</i> to <i>mcr-10</i>)	54	<i>mcr-1</i> (4 <i>E. fergusonii</i>)	<i>gad</i> , <i>ireA</i> , <i>iss</i> , <i>iucC</i> , <i>terC</i> , <i>traT</i> , <i>iutA</i> and <i>papA</i>	IncI2 (IS <i>Apl1</i> , IS609, IS683, IS200 and IS <i>Ecp1</i> and IS2)	<i>bla</i> _{OXA-10} , <i>qnrS1</i> , <i>lnu</i> (F), <i>cmlA1</i> , <i>floR</i> , <i>ARR-2</i> , <i>sul2</i> , <i>sul3</i> , <i>dfrA14</i> , <i>tet</i> (A) and <i>tet</i> (B)	Lin <i>et al.</i> (2023)***
Chicken meats	2019-2021 (<i>mcr-1</i> to <i>mcr-10</i>)	455	<i>mcr-1</i> (7 <i>Salmonella</i> Indiana)		IncN1-IncHI2 and IncX4 (IS26, IS1, IS4321, IS1006, ISCR2, IS <i>Aba1</i> ,	<i>aph</i> (4)-Ia, <i>aphA1</i> , <i>aac</i> (3)-IVa, <i>aadA1</i> , <i>aadA2</i> , <i>aadA5</i> , <i>cmlA1</i> , <i>floR</i> , <i>oqx</i> <i>AB</i> , <i>sul2</i> , <i>sul3</i> , <i>mph</i> (A), <i>dfrA17</i> , <i>terYXWZ</i> ABCDEF	Mei <i>et al.</i> (2023)***

					Tn5393, and ISEc59)		
Chickens	2020- 2021 (<i>mcr</i> -1 to <i>mcr</i> -10)	346	<i>mcr</i> -1 (12 <i>E. coli</i>)	IncI2 and IncHI2	ST29735, ST43, ST10, ST93, ST162, ST2329, ST189, ST4689, and ST259 (terC and astA,	<i>aac</i> (3)-IIa, <i>aac</i> (3)- IV, <i>aadA1</i> , <i>aadA2</i> , <i>aadA5</i> , <i>aadA16</i> , <i>aadA22</i> , <i>aadA24</i> , <i>aadA2b</i> , <i>aph</i> (3')-Ia, <i>aph</i> (3')-IIa, <i>aph</i> (3'')- Ib, <i>aph</i> (4)-IA, <i>aph</i> (6)-Id, <i>rmtB</i> , <i>bla</i> _{CTXM-55} , <i>bla</i> _{CTX-M- 64} , <i>bla</i> _{CTX-M-65} , <i>bla</i> _{OXA-10} , <i>bla</i> _{TEM-141} , <i>bla</i> _{TEM-206} , <i>bla</i> _{TEM- 214} , <i>bla</i> _{TEM-1B} , <i>bla</i> _{TEM-1C} , <i>dfrA12</i> , <i>dfrA14</i> , <i>dfrA17</i> , <i>dfrA27</i> , <i>sul1</i> , <i>sul2</i> , <i>sul3</i> , <i>oqxA</i> , <i>oqxB</i> , <i>qnrS1</i> , <i>qnrS2</i> , <i>lnu</i> (F), <i>mph</i> (A), <i>cmlA1</i> , <i>floR</i> , <i>fosA3</i> , <i>arr-2</i> , <i>arr-3</i> , <i>tet</i> (A) and <i>tet</i> (M)	Tang et al. (2022)***

mcr: mobile colistin resistance gene; NA: not publicly-available; *: study on preban (2016 downwards) isolates; ***study on postban (2017 upwards) isolates; **: study on isolates collected preban and postban; PMCR: plasmid-mediated colistin resistance; GNB: Gram-negative bacteria; -: no data; Additional resistance traits: resistance factors identified in one *mcr*-positive isolate or pooled factors in more than one *mcr*-positive isolate; Sequence type: all sequence types of *mcr*-positive isolates; ST: sequence type; Plasmid: plasmid types identified in one or pooled *mcr*-positive isolates; Inc.: incompatibility; IS: insertion sequence, Δ: truncated; ESBL: Extended-spectrum β-lactamase; AmpC: Ampicillinase C