

Table 1. Mechanism of resistance for characterized *tet* and *otr* genes. Modified July 13, 2016

Originally modified from MMBR 2001. 65; 232-260 with permission from ASM Journals

Efflux (33)	Ribosomal Protection (12)	Enzymatic (13)	Unknown ^a
<i>tet</i> (A), <i>tet</i> (B), <i>tet</i> (C), <i>tet</i> (D), <i>tet</i> (E), <i>tet</i> (59) ⁱ	<i>tet</i> (M), <i>tet</i> (O), <i>tet</i> (S), <i>tet</i> (W), <i>tet</i> (32),	<i>tet</i> (X) ^c	<i>tet</i> (U)
<i>tet</i> (G), <i>tet</i> (H), <i>tet</i> (J), <i>tet</i> (V), <i>tet</i> (Y)	<i>tet</i> (Q), <i>tet</i> (T), <i>tet</i> (36)	<i>tet</i> (37) ^c	
<i>tet</i> (Z), <i>tet</i> (30), <i>tet</i> (31), <i>tet</i> (33), <i>tet</i> (57) ^g	<i>otr</i> (A), <i>tet</i> B(P) ^b , <i>tet</i>	<i>tet</i> (34)	
<i>tet</i> (35) ^d	<i>tet</i> (44)	<i>tet</i> (47) ^j , <i>tet</i> (48) ^j , <i>tet</i> (49) ^j , <i>tet</i> (50) ^j ,	
<i>tet</i> (39), <i>tet</i> (41)		<i>tet</i> (51) ^j , <i>tet</i> (52) ^j , <i>tet</i> (53) ^j , <i>tet</i> (54) ^j ,	
<i>tet</i> (K), <i>tet</i> (L), <i>tet</i> (38), <i>tet</i> (45) ^e , <i>tet</i> (58) ^h		<i>tet</i> (55) ^j , <i>tet</i> (56) ^j	
<i>tet</i> A(P), <i>tet</i> (40)			
<i>otr</i> (B), <i>otr</i> (C)			
<i>tcr</i>			
<i>tet</i> (42)			
<i>tet</i> (43)			
<i>tet</i> AB(46) ^f			
<i>tet</i> AB(60) ^k			

blue new information; green changed name

^a*tet* (U) has been sequenced but does not appear to be related to either efflux or ribosomal protection proteins

^b*tet*B(P) is not found alone and *tet*A(P) and *tet*B(P) are counted as one operon; ^c*tet*(X) and *tet*(37) are unrelated but both are NADP-requiring oxidoreductases; *tet*(34) similar to the xanthine-guanine phosphoribosyl transferase genes of *V. cholerae*; ^dNot related to other *tet* efflux genes; *tet*(40) & *tet*(41) App En Micro 2007; 73:2199; *tet*(42) AAC 52:4518; *tet*(43) from metagenomic; *tet*(44) AAC press 2010; ^eYou et al,

JAC 2013 68:1962; ^f representing 2 different genes Warburton et al., JAC 2013 68:17 [two genes needed for resistance *tetAB*(46)]; ^g Dr. Huang et al., 2015, J Food Protect 8:1428, **originally listed as *tet*(47)**; ^h **Dr. Kyselkova**; ⁱ **Dr. Leclercq, originally listed as *tet*(48)**; ^j **Forsberg et al., 2015 Chemistry & Biology 22:888**; ^k **Roberts et al. representing 2 different genes both needed for resistance**