

Mechanisms of MLS resistance Modified July 2007

rRNA methylase

32

Efflux

14

Inactivating enzymes

19

2 esterase

2 lyases

11 transferases

4 phosphorylases

erm(A), (B), (C), (D), (E), (F), (G),
(H), (N), (O), (Q), (R), (S), (T),
(U), (V), (W), (X), (Y), (Z),
(30), (31), (33), (32), (33), (34), (35)
(36), (37), (38), (39), (40)

mef(A), *msr*(A), (C), (D)
car(A), *lmr*(A), *ole*(B), (C)
srm(B), *tlc*(C)
lsa(A), (B), *vga*(A), (B)

ere(A), (B)

vgb(A),(B)

lnu(A),(B),(C),(D),(F) *mph*(A),(B),(C),(D)
vat(A), (B), (C)
vat(D), (E), (F)

[New gene since last posting](#)