

SHV

Expression of **SHV** has been associated with resistance to the following antibiotics*

Penicillins- benzylpenicillin, phenoxymethylpenicillin, methicillin, oxacillin, cloxacillin, nafcillin, ampicillin, amoxicillin, carbenicillin, ticarcillin, piperacillin, temocillin, mecillinam

Cephalosporins- *cephalexin, cefaclor, cefazolin, cefprozil, cefuroxime, cefoxitin, cefotetan, cefmetazole, cefotaxime, cefoperazone, ceftriaxone, ceftibutin, ceftazidime, cefpodoxime, cefepime*

Carbapenems- doripenem, meropenem, ertapenem, imipenem

Monocyclic Beta-lactams- aztreonam, tigemonam, carumonam, nocardicin

*Detection of a gene associated with resistance to a class of antibiotics may not include all medications within that class and is not intended to represent a complete response profile

KPC

Expression of **KPC** has been associated with resistance to the following antibiotics*

Penicillins- benzylpenicillin, phenoxymethylpenicillin, methicillin, oxacillin, cloxacillin, nafcillin, ampicillin, amoxicillin, carbenicillin, ticarcillin, piperacillin, temocillin, mecillinam

Cephalosporins- *cephalexin, cefaclor, cefazolin, cefprozil, cefuroxime, cefoxitin, cefotetan, cefmetazole, cefotaxime, cefoperazone, ceftriaxone, ceftibutin, ceftazidime, cefpodoxime, cefepime*

Carbapenems- doripenem, meropenem, ertapenem, imipenem

Monocyclic Beta-lactams- aztreonam, tigemonam, carumonam, nocardicin

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VIM

Expression of **VIM** has been associated with resistance to the following antibiotics*

Penicillins- benzylpenicillin, phenoxymethylpenicillin, methicillin, oxacillin, cloxacillin, nafcillin, ampicillin, amoxicillin, carbenicillin, ticarcillin, piperacillin, temocillin, mecillinam

Cephalosporins- *cephalexin, cefaclor, cefazolin, cefprozil, cefuroxime, cefoxitin, cefotetan, cefmetazole, cefotaxime, cefoperazone, ceftriaxone, ceftibutin, ceftazidime, cefpodoxime, cefepime*

Carbapenems- doripenem, meropenem, ertapenem, imipenem

*Detection of a gene associated with resistance to a class of antibiotics may not include all medications within that class and is not intended to represent a complete response profile

MecA

Expression of **MecA** has been associated with resistance to the following antibiotics*

Penicillins- benzylpenicillin, phenoxymethylpenicillin, methicillin, oxacillin, cloxacillin, nafcillin, ampicillin, amoxicillin, carbenicillin, ticarcillin, piperacillin, temocillin, mecillinam

Cephalosporins- *cephalexin, cefaclor, cefazolin, cefprozil, cefuroxime, cefoxitin, cefotetan, cefmetazole, cefotaxime, cefoperazone, ceftriaxone, ceftibutin, ceftazidime, cefpodoxime, cefepime*

Carbapenems- doripenem, meropenem, ertapenem, imipenem

Monocyclic Beta-lactams- aztreonam, tigemonam, carumonam, nocardicin

*Detection of a gene associated with resistance to a class of antibiotics may not include all medications within that class and is not intended to represent a complete response profile

vanA

Expression of **vanA** has been associated with resistance to the following antibiotics*

vancomycin, telavancin, oritavancin, teicoplanin, dalbavancin

*Detection of a gene associated with resistance to a class of antibiotics may not include all medications within that class and is not intended to represent a complete response profile

vanB

Expression of **vanB** has been associated with resistance to the following antibiotics*

vancomycin, telavancin, oritavancin, teicoplanin, dalbavancin

*Detection of a gene associated with resistance to a class of antibiotics may not include all medications within that class and is not intended to represent a complete response profile