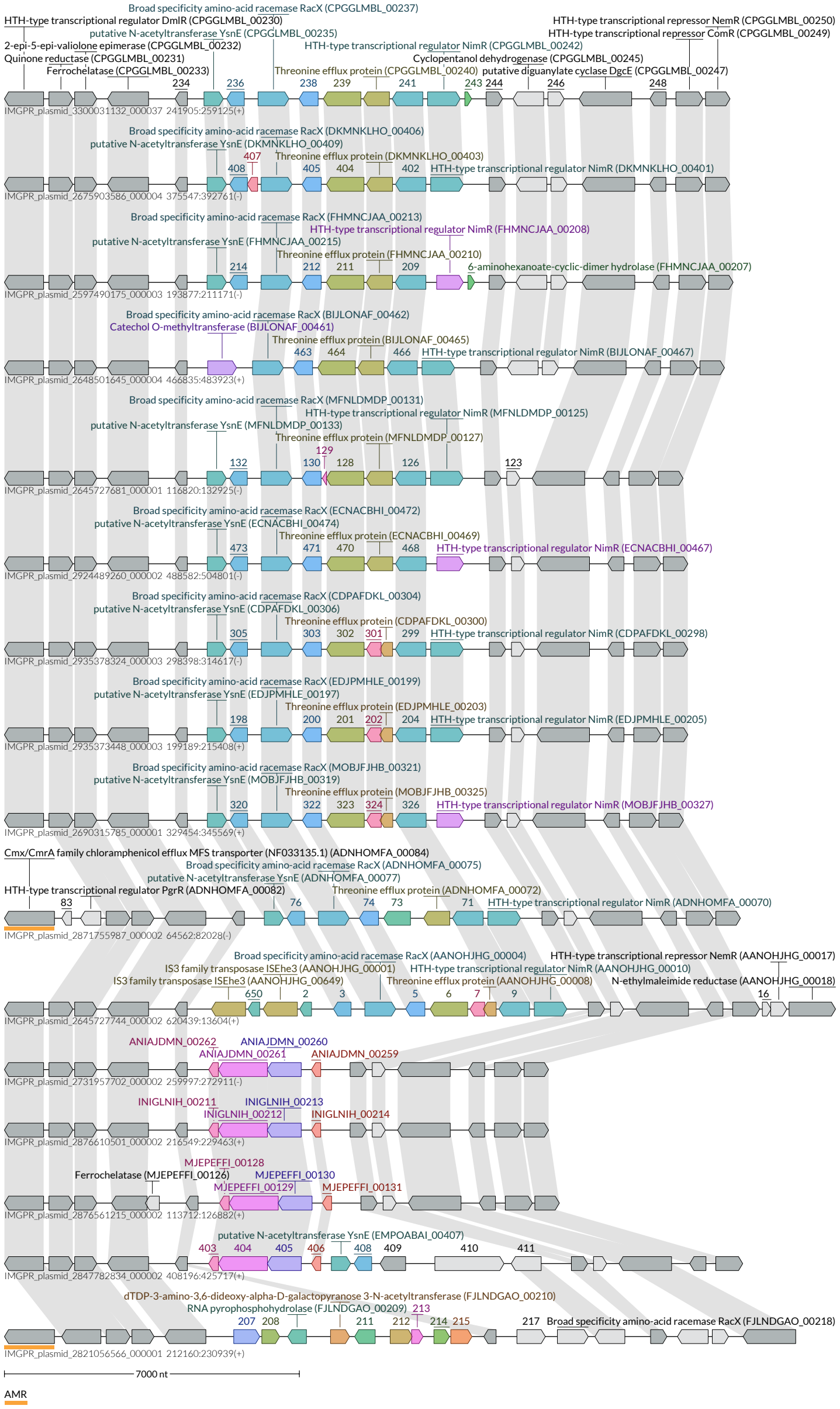
Broad specificity amino-acid racemase RacX (CPGGLMBL_00237)
HTH-type transcriptional regulator DmlR (CPGGLMBL_00230)
putative N-acetyltransferase YsnE (CPGGLMBL_00235)
2-epi-5-epi-valiolone epimerase (CPGGLMBL_00232)
Quinone reductase (CPGGLMBL_00231)
Ferrochelatase (CPGGLMBL_00233)
HTH-type transcriptional repressor NemR (CPGGLMBL_00250)
HTH-type transcriptional repressor ComR (CPGGLMBL_00249)
HTH-type transcriptional regulator NimR (CPGGLMBL_00242)
Cyclopentanol dehydrogenase (CPGGLMBL_00245)
Threonine efflux protein (CPGGLMBL_00240)
putative diguanylate cyclase DgcE (CPGGLMBL_00247)
234 236 238 239 241 243 244 246 248
IMGPR_plasmid_3300031132_000037 241905:259125(+)
Broad specificity amino-acid racemase RacX (DKMNKLHO_00406)
putative N-acetyltransferase YsnE (DKMNKLHO_00409)
Threonine efflux protein (DKMNKLHO_00403)
HTH-type transcriptional regulator NimR (DKMNKLHO_00401)
407 408 405 404 402
IMGPR_plasmid_2675903586_000004 375547:392761(-)
Broad specificity amino-acid racemase RacX (FHMNCJAA_00213)
HTH-type transcriptional regulator NimR (FHMNCJAA_00208)
putative N-acetyltransferase YsnE (FHMNCJAA_00215)
Threonine efflux protein (FHMNCJAA_00210)
6-aminohexanoate-cyclic-dimer hydrolase (FHMNCJAA_00207)
214 212 211 209
IMGPR_plasmid_2597490175_000003 193877:211171(-)
Broad specificity amino-acid racemase RacX (BIJLONAF_00462)
Catechol O-methyltransferase (BIJLONAF_00461)
Threonine efflux protein (BIJLONAF_00465)
HTH-type transcriptional regulator NimR (BIJLONAF_00467)
463 464 466
IMGPR_plasmid_2648501645_000004 466835:483923(+)
Broad specificity amino-acid racemase RacX (MFNLDMDP_00131)
HTH-type transcriptional regulator NimR (MFNLDMDP_00125)
putative N-acetyltransferase YsnE (MFNLDMDP_00133)
Threonine efflux protein (MFNLDMDP_00127)
129 132 130 128 126 123
IMGPR_plasmid_2645727681_000001 116820:132925(-)
Broad specificity amino-acid racemase RacX (ECNACBHI_00472)
putative N-acetyltransferase YsnE (ECNACBHI_00474)
Threonine efflux protein (ECNACBHI_00469)
HTH-type transcriptional regulator NimR (ECNACBHI_00467)
473 471 470 468
IMGPR_plasmid_2924489260_000002 488582:504801(-)
Broad specificity amino-acid racemase RacX (CDPAFDKL_00304)
putative N-acetyltransferase YsnE (CDPAFDKL_00306)
Threonine efflux protein (CDPAFDKL_00300)
HTH-type transcriptional regulator NimR (CDPAFDKL_00298)
305 303 302 301 299
IMGPR_plasmid_2935378324_000003 298398:314617(-)
Broad specificity amino-acid racemase RacX (EDJPMHLE_00199)
putative N-acetyltransferase YsnE (EDJPMHLE_00197)
Threonine efflux protein (EDJPMHLE_00203)
HTH-type transcriptional regulator NimR (EDJPMHLE_00205)
198 200 201 202 204
IMGPR_plasmid_2935373448_000003 199189:215408(+)
Broad specificity amino-acid racemase RacX (MOBJFJHB_00321)
putative N-acetyltransferase YsnE (MOBJFJHB_00319)
Threonine efflux protein (MOBJFJHB_00325)
HTH-type transcriptional regulator NimR (MOBJFJHB_00327)
320 322 323 324 326
IMGPR_plasmid_2690315785_000001 329454:345569(+)
Cmx/CmrA family chloramphenicol efflux MFS transporter (NF033135.1) (ADNHOMFA_00084)
Broad specificity amino-acid racemase RacX (ADNHOMFA_00075)
putative N-acetyltransferase YsnE (ADNHOMFA_00077)
HTH-type transcriptional regulator PgrR (ADNHOMFA_00082)
Threonine efflux protein (ADNHOMFA_00072)
HTH-type transcriptional regulator NimR (ADNHOMFA_00070)
83 76 74 73 71
IMGPR_plasmid_2871755987_000002 64562:82028(-)
Broad specificity amino-acid racemase RacX (AANOHJHG_00004)
HTH-type transcriptional repressor NemR (AANOHJHG_00017)
IS3 family transposase ISEhe3 (AANOHJHG_00001)
HTH-type transcriptional regulator NimR (AANOHJHG_00010)
IS3 family transposase ISEhe3 (AANOHJHG_00649)
Threonine efflux protein (AANOHJHG_00008)
N-ethylmaleimide reductase (AANOHJHG_00018)
650 2 3 5 6 7 9 16
IMGPR_plasmid_2645727744_000002 620439:13604(+)
ANIAJDMN_00262 ANIAJDMN_00260
ANIAJDMN_00261 ANIAJDMN_00259
IMGPR_plasmid_2731957702_000002 259997:272911(-)
INIGLNIH_00211 INIGLNIH_00213
INIGLNIH_00212 INIGLNIH_00214
IMGPR_plasmid_2876610501_000002 216549:229463(+)
MJEPEFFI_00128
Ferrochelatase (MJEPEFFI_00126)
MJEPEFFI_00130
MJEPEFFI_00129
MJEPEFFI_00131
IMGPR_plasmid_2876561215_000002 113712:126882(+)
putative N-acetyltransferase YsnE (EMPOABAI_00407)
403 404 405 406 408 409 410 411
IMGPR_plasmid_2847782834_000002 408196:425717(+)
dTDP-3-amino-3,6-dideoxy-alpha-D-galactopyranose 3-N-acetyltransferase (FJLNDGAO_00210)
RNA pyrophosphohydrolase (FJLNDGAO_00209)
Broad specificity amino-acid racemase RacX (FJLNDGAO_00218)
207 208 211 212 213 214 215 217
IMGPR_plasmid_2821056566_000001 212160:230939(+)
7000 nt
AMR