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| **Phylum** | **Bioactive metabolite** | **Biosynthetic cluster GenBank ID** | **FAAL (GenBank ID)** | **Reference** |
| **Proteobacteria** | Phenylnannolone | KF739396.1 | Phn2 (AHN85651.1) | (Bouhired et al., 2014) |
| Ambruticin | DQ897667.1 | AmbG (ABK32262.1) | (Hemmerling et al., 2018; Julien et al., 2006) |
| Alklyresorcylic acids | NC\_008095.1 | FtpD (WP011556561.1) | (Hayashi et al., 2011) |
| Caryoynencin | CP022213.1 (3094977 to 3108181) | CayA (AWY55460.1) | (Ross et al., 2014) |
| Vioprolide | MH108942.1 | VioA (AWI62626.1) | (Auerbach et al., 2018) |
| Tambjamine YP1 | AAOH01000002.1 (146524 to 172121) | TamA (EAR29369.1) | (Marchetti et al., 2018) |
| Ralsolamycin | AL646053.1 (777576 to 820777) | RSp0641 (CAD17792.1) | (Spraker et al., 2016) |
| Micacocidin | AL646052.1 (1941939 to 1979076) | RSc1806 (CAD15508.1) | (Kage et al., 2013; Kreutzer et al., 2011) |
| **Cyanobacteria** | Puwainaphycin | KM078884.1 | PuwC (AIW82280.1) | (Mares et al., 2014) |
| Olefin | CP000951.1 | SYNPCC7002\_A1173 (ACA99172.1) | (Zhu et al., 2018) |
| Jamaicamide | AY522504.1 | JamA (AAS98774.1) | (Edwards et al., 2004) |
| Hectochlorin | AY974560.1 | HctA (AAY42393.1) | (Kleigrewe et al., 2015) |
| Microginin | NZ\_HE973145.1 (58948 to 82880) | MICAD\_RS03045 (WP\_002774031.1) | (Humbert et al., 2013) |
| **Actinobacteria** | Mycolic acid | NC\_000962.3 (4255945 to 4263066) | MtFAAL32 (NP\_218318.1) | (Gavalda et al., 2009; Leger et al., 2009) |
| PDIM | NC\_000962.3 (3276380 to 3302455) | MtFAAL29 (NP\_217466.3)  MtFAAL22 (NP\_217464.1)  MtFAAL28 (NP\_217457.1) | (Simeone et al., 2010; Trivedi et al., 2005) |
| Glycopeptidolipid | AY439015.3 | MsFAAL28 (ABC70854.1) | (Vats et al., 2012) |
| Daptomycin | AY787762.1 | DptE (AAX31555.1) | (Baltz et al., 2021; Wittmann et al., 2008) |
| Taromycin A | KF301601.1 | - (AHH53502.1) | (Yamanaka et al., 2014) |
| **Firmicutes** | Mycosubtilin | AF184956.1 | MycA (AAF08795.1) | (Duitman et al., 1999) |
| Bacillomycin | CP000560.1 (1867976 to 1914123) | BmyA (ABS74181.1) | (Koumoutsi et al., 2004; Lu et al., 2019) |