

## PLASMIDS FOR PDD56, PDD57, PDD87, PDD103, PDD108, PDD112, PDD120, PDD131, PDD132, AND PDD143

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- o pDD56: a shuttle vector between Escherichia coli and Rhodococcus opacus PD630 that contains arabinose inducible EYFP on pAL5000/pMB1 backbone with kanamycin resistance.
- o pDD57: a shuttle vector between Escherichia coli and Rhodococcus opacus PD630 that contains a constitutively expressed GFP+ on pAL5000/pMB1 backbone with kanamycin resistance.
- o pDD87: a shuttle vector between Escherichia coli and Rhodococcus opacus PD630 that contains the pLPD03031 promoter from Rhodococcus opacus PD630 expressing GFP+ on the pAL5000/pMB1 backbone with kanamycin resistance.
- o pDD103: a shuttle vector between Escherichia coli and Rhodococcus opacus PD630 that contains a constitutively expressed of mCherry on pAL5000/pMB1 backbone with kanamycin resistance.
- o pDD108: integration vector into the ROCI-2 site of Rhodococcus opacus PD630 containing constitutive EYFP and hygromycin B resistance marker
- o pDD112: a shuttle vector between Escherichia coli and Rhodococcus opacus PD630 that contains the pNG2 origin of replication and a codon optimized chloramphenicol resistance marker.
- o pDD120: a plasmid construct containing the bacteriophage derived recombinases Che9c60 and Che9c61 expressed by a constitutive promoter on the pB264/pBR322 vector backbone with kanamycin resistance.
- o pDD131: a shuttle vector between Escherichia coli and Rhodococcus opacus PD630 that contains an optimized aTc inducible pTet promoter for Rhodococcus opacus expressing mCherry on pAL5000/pMB1 backbone with kanamycin resistance.
- o pDD132: integration vector into the ROCI-3 site of Rhodococcus opacus PD630 containing constitutive EYFP and hygromycin B resistance marker
- o pDD143: a shuttle vector between Escherichia coli and Rhodococcus opacus PD630 that contains an arabinose inducible dCas9sth1 and constitutive sgRNA on pAL5000/pMB1 backbone with gentamicin resistance.

**Publications:** [Development of Chemical and Metabolite Sensors for \*Rhodococcus opacus\* PD630; Molecular Toolkit for Gene Expression Control and Genome Modification in \*Rhodococcus opacus\* PD630](#)