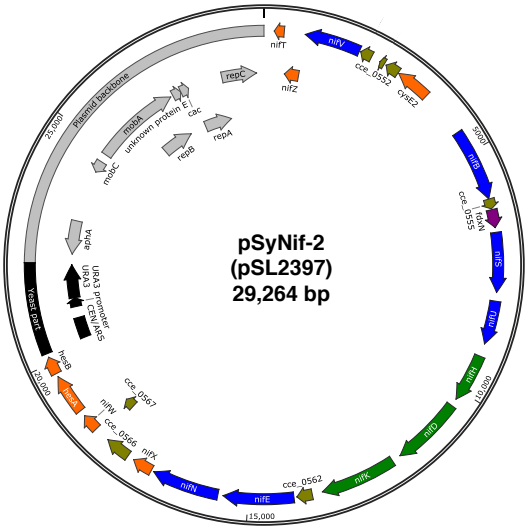
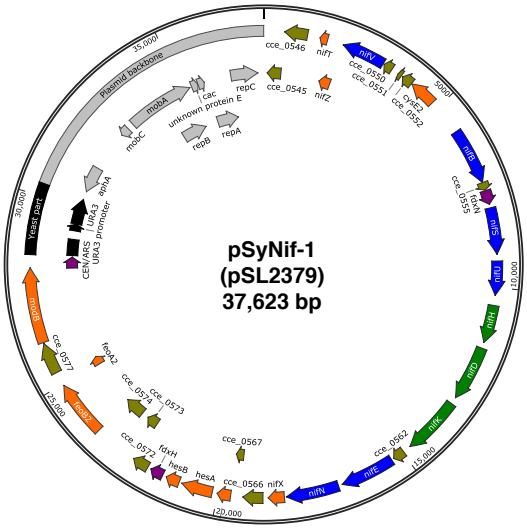
A.


pSyNif-2
(pSL2397)
29,264 bp
Plasmid backbone
Yeast part
nifT
nifV
cce_0552
cysE2
repC
nifZ
mobA
unknown protein E
cac
repA
repB
mobC
nifB
cce_0555
fdxN
nifS
nifU
nifH
nifD
nifK
cce_0562
nifE
nifN
nifX
cce_0566
cce_0567
hesA
hesB
URA3 promoter
URA3
CEN/ARS
trpe
25,000
5000
10,000
15,000
20,000

B.


pSyNif-1
(pSL2379)
37,623 bp
Plasmid backbone
Yeast part
cce_0546
nifT
nifV
cce_0550
cce_0551
cysE2
cce_0552
cce_0545
nifZ
repC
mobA
unknown protein E
cac
repA
repB
mobC
nifB
cce_0555
fdxN
nifS
nifU
nifH
nifD
nifK
cce_0562
nifE
nifN
nifX
cce_0566
hesA
hesB
fdxH
cce_0572
cce_0567
cce_0573
cce_0574
feoA2
cce_0577
mobB
aphA
URA3 promoter
URA3
CEN/ARS
30,000
5000
10,000
15,000
20,000
25,000