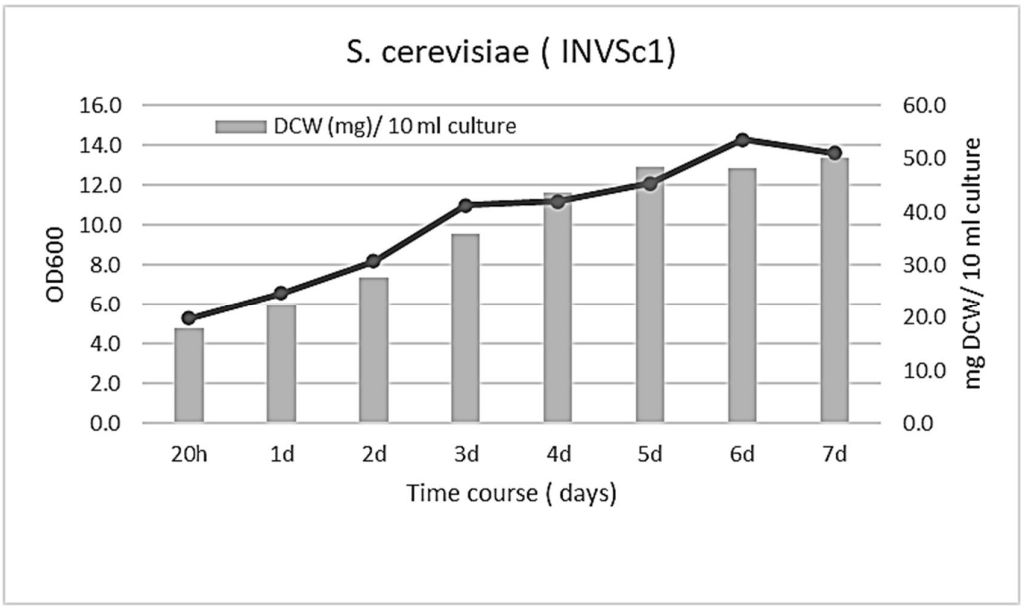

S. cerevisiae (INVSc1)
DCW (mg)/ 10 ml culture
OD600
mg DCW/ 10 ml culture
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
20h
1d
2d
3d
4d
5d
6d
7d
Time course (days)

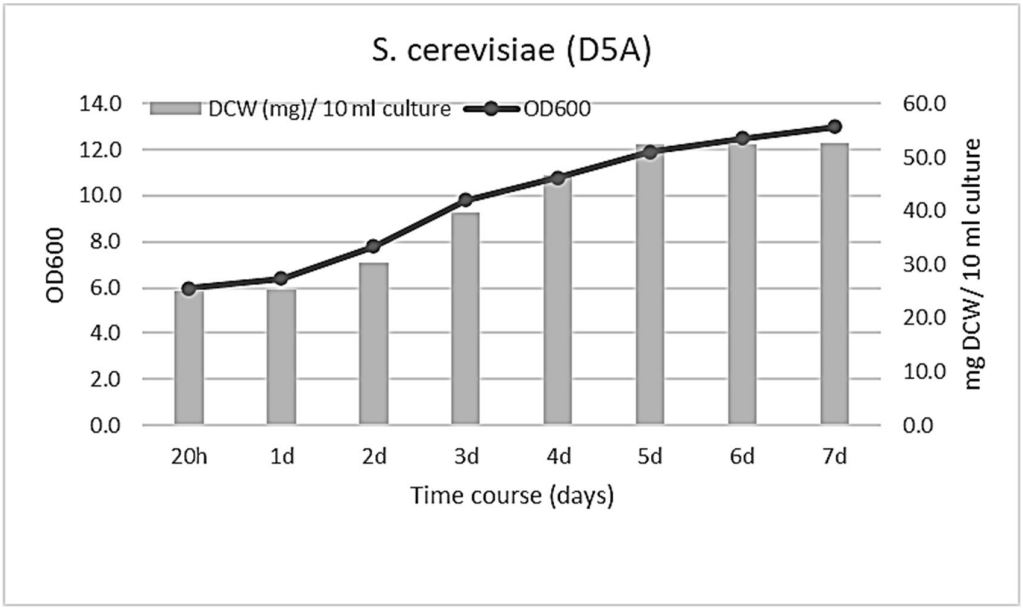

S. cerevisiae (D5A)
DCW (mg)/ 10 ml culture
OD600
OD600
mg DCW/ 10 ml culture
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
20h
1d
2d
3d
4d
5d
6d
7d
Time course (days)

FIGURE 1

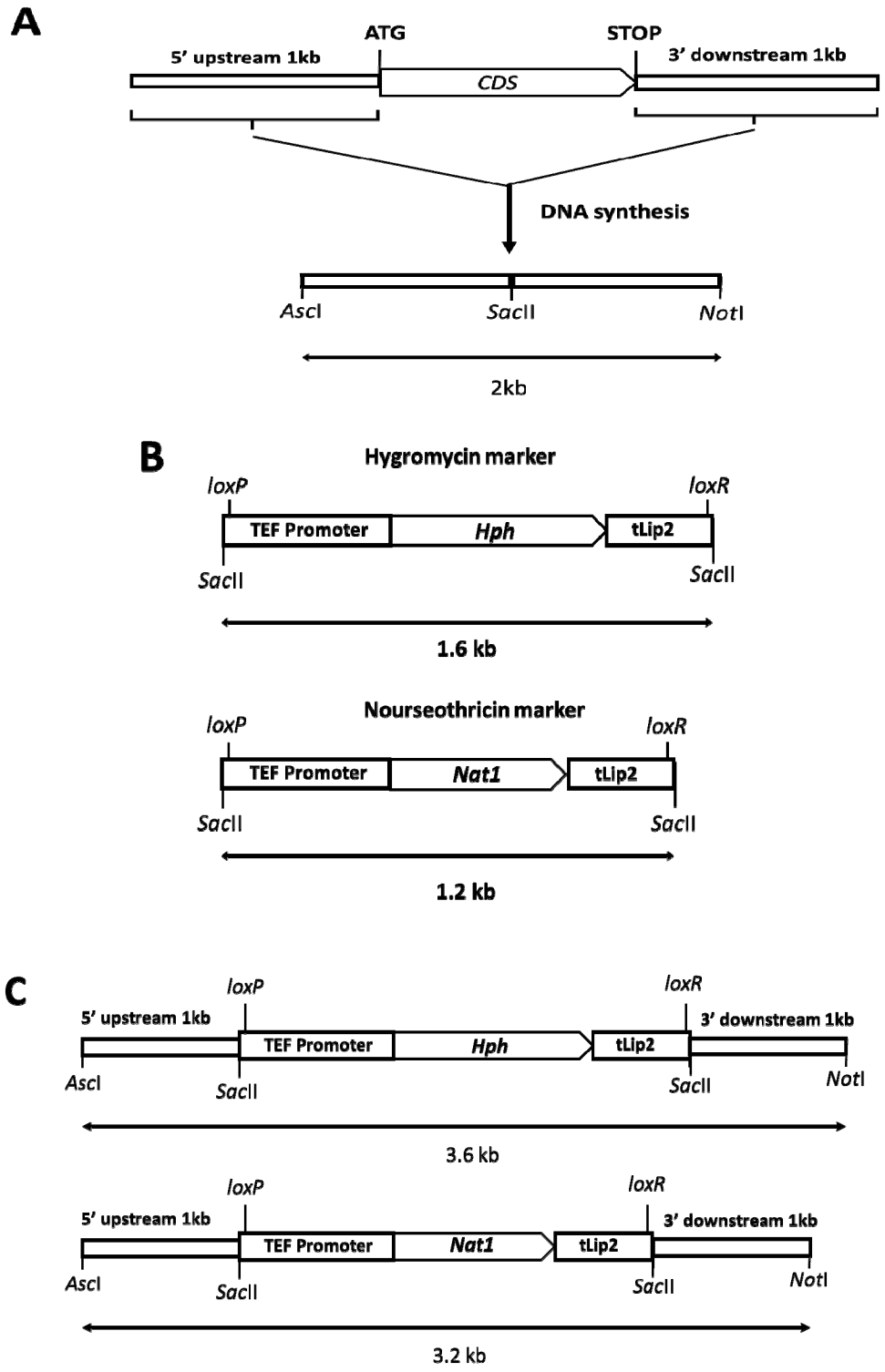

A
ATG
STOP
5' upstream 1kb
CDS
3' downstream 1kb
DNA synthesis
AscI
SacII
NotI
2kb
B
Hygromycin marker
loxP
loxR
TEF Promoter
Hph
tLip2
SacII
SacII
1.6 kb
Nourseothricin marker
loxP
loxR
TEF Promoter
Nat1
tLip2
SacII
SacII
1.2 kb
C
loxP
loxR
5' upstream 1kb
TEF Promoter
Hph
tLip2
3' downstream 1kb
AscI
SacII
SacII
NotI
3.6 kb
loxP
loxR
5' upstream 1kb
TEF Promoter
Nat1
tLip2
3' downstream 1kb
AscI
SacII
SacII
NotI
3.2 kb

FIGURE 2

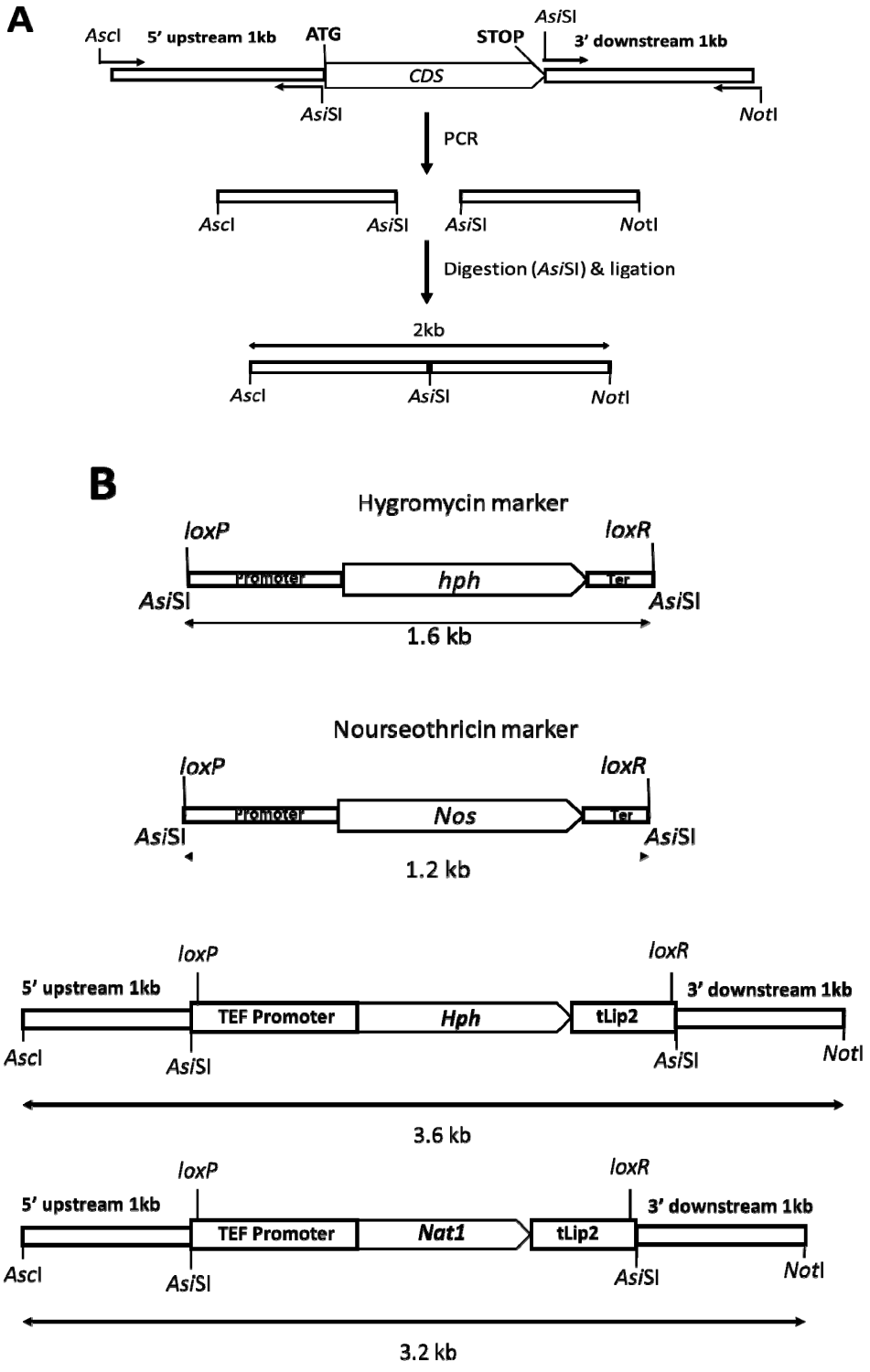

A
AscI
5' upstream 1kb
ATG
STOP
AsiSI
3' downstream 1kb
CDS
AsiSI
NotI
PCR
AscI
AsiSI
AsiSI
NotI
Digestion (AsiSI) & ligation
2kb
AscI
AsiSI
NotI
B
Hygromycin marker
loxP
loxR
Promoter
hph
Ter
AsiSI
AsiSI
1.6 kb
Nourseothricin marker
loxP
loxR
Promoter
Nos
Ter
AsiSI
AsiSI
1.2 kb
C
loxP
loxR
5' upstream 1kb
TEF Promoter
Hph
tLip2
3' downstream 1kb
AscI
AsiSI
AsiSI
NotI
3.6 kb
loxP
loxR
5' upstream 1kb
TEF Promoter
Nat1
tLip2
3' downstream 1kb
AscI
AsiSI
AsiSI
NotI
3.2 kb

FIGURE 3

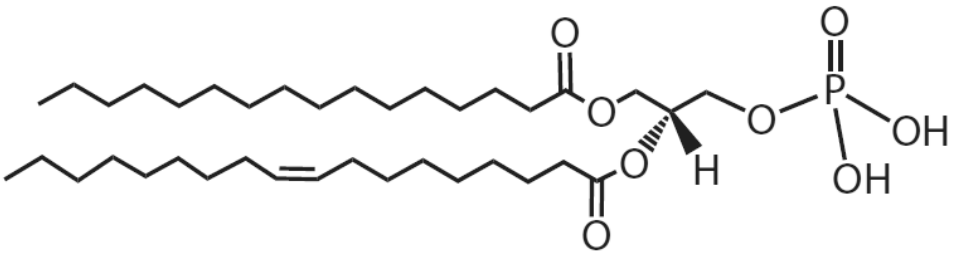


FIGURE 4

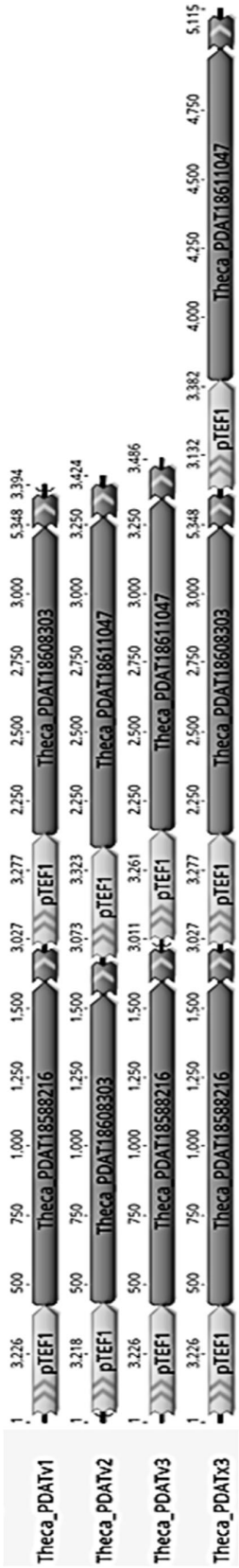
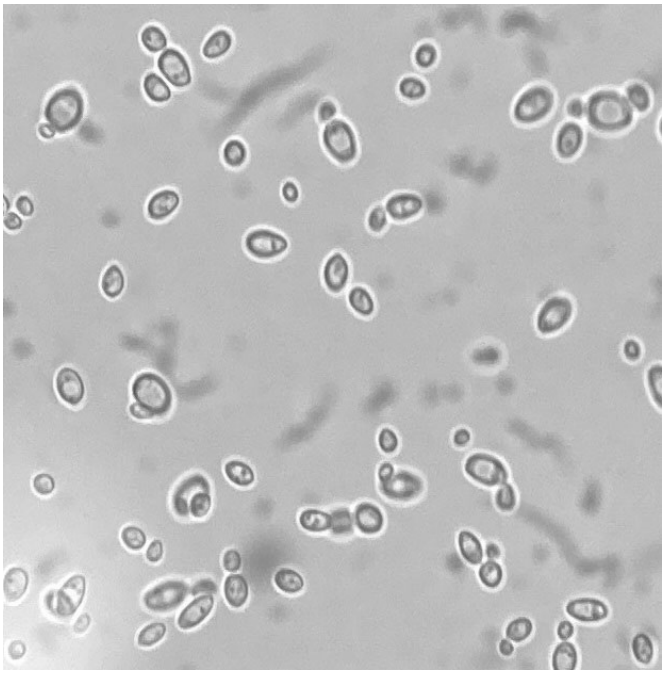

Theca_PDATv1
Theca_PDATv2
Theca_PDATv3
Theca_PDATx3
pTEF1
Theca_PDAT18588216
Theca_PDAT18608303
Theca_PDAT18611047

FIGURE 5


1. pNlz0hyg[dga2]
2. pNlz0ura[fad2]
3. pNlz0nat[iro1]
4. pNlz0hyg[pox2]
NotI (418)
NotI (6,136)
BsaI (744)
BsaI (5,728)
BsaI (5,315)
BsaI (5,273)
SfiI (1,779)
SfiI (1,751)
ZE...
::dga2
::fad2
::iro1
::pox2
hygR
URA3
NatR
p
Ylopt fuGFP
Z

FIGURE 6

A.



B.

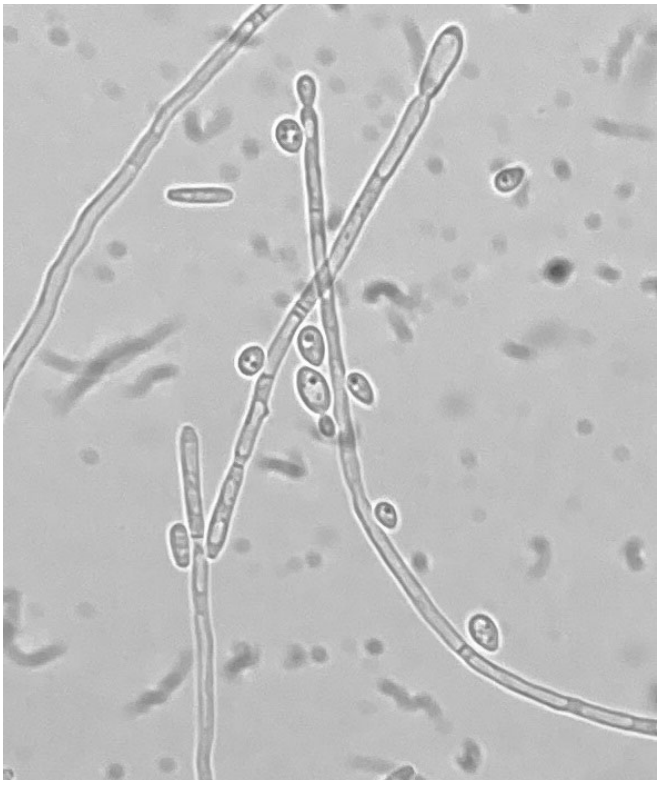


FIGURE 7