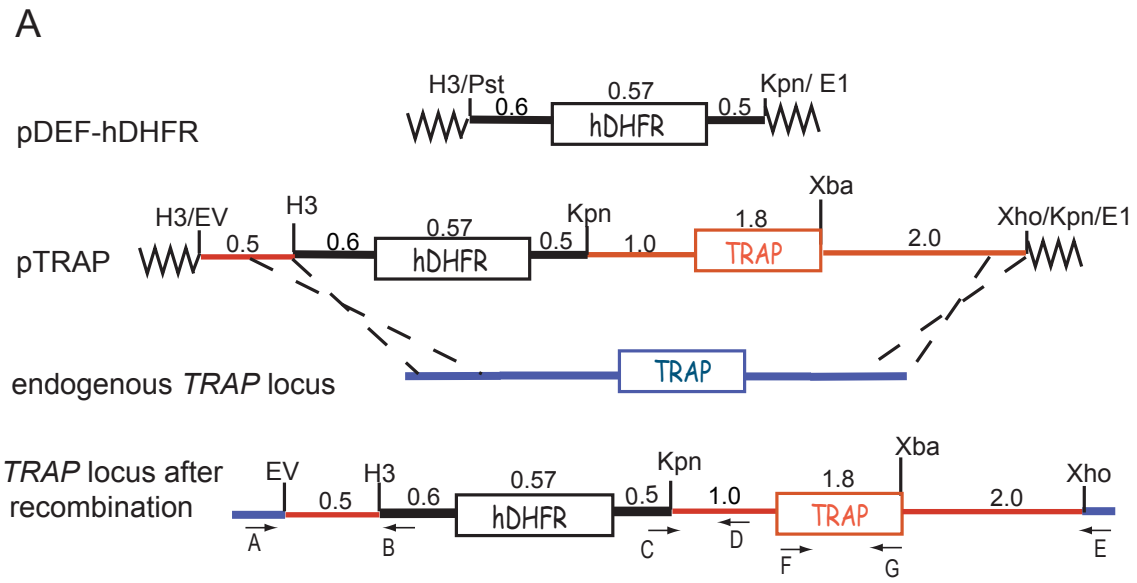
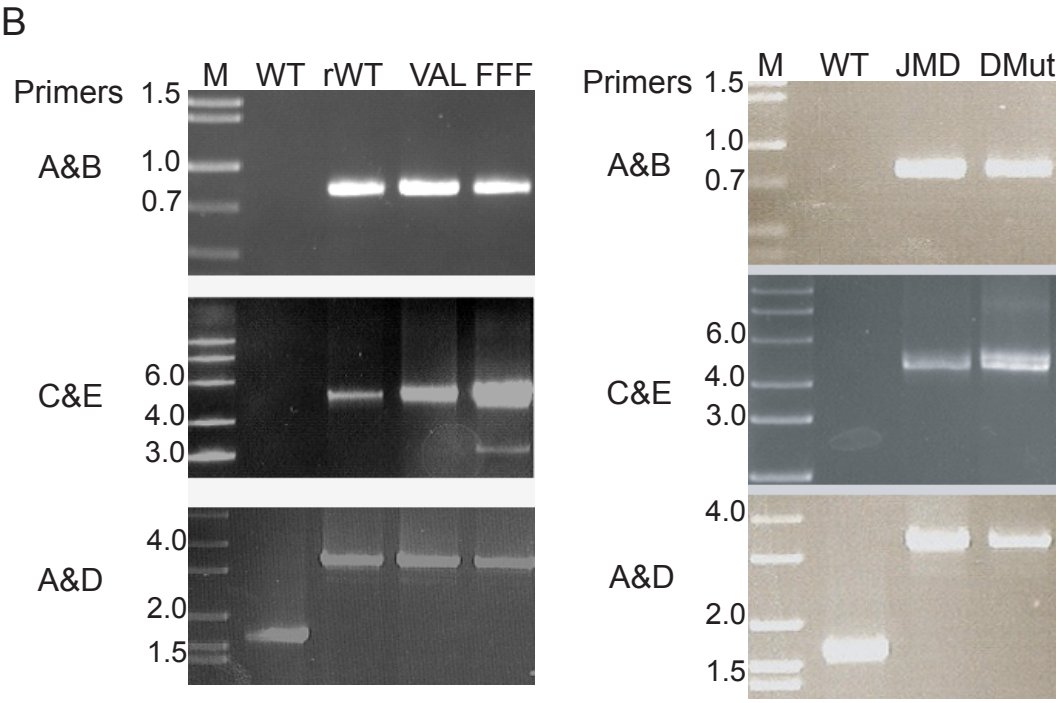

A
pDEF-hDHFR
H3/Pst
0.6
0.57
hDHFR
0.5
Kpn/ E1
pTRAP
H3/EV
0.5
H3
0.6
0.57
hDHFR
Kpn
0.5
1.0
Xba
1.8
TRAP
2.0
Xho/Kpn/E1
endogenous TRAP locus
TRAP
TRAP locus after recombination
EV
0.5
H3
0.6
0.57
hDHFR
Kpn
0.5
1.0
Xba
1.8
TRAP
2.0
Xho
A
B
C
D
F
G
E


B
Primers
M
WT
rWT
VAL
FFF
1.5
A&B
1.0
0.7
C&E
6.0
4.0
3.0
A&D
4.0
2.0
1.5
Primers
M
WT
JMD
DMut
1.5
A&B
1.0
0.7
C&E
6.0
4.0
3.0
A&D
4.0
2.0
1.5