Figure 1

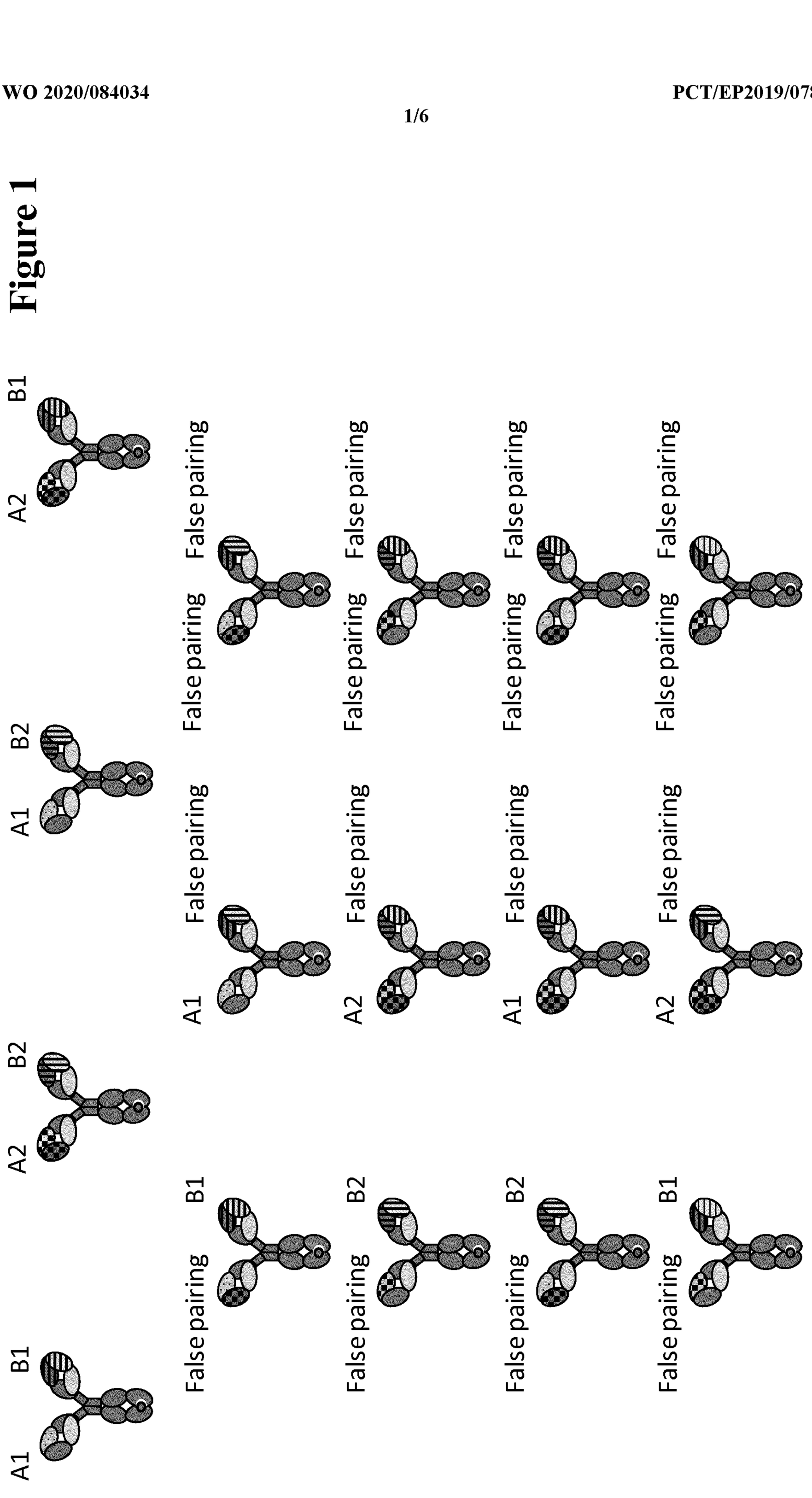

A1
B2
False pairing
False pairing
A2
B1
False pairing
False pairing
A2
B2
False pairing
False pairing
A1
B1
False pairing
False pairing
A1
B2
False pairing
False pairing
A2
B1
False pairing
False pairing

Figure 2

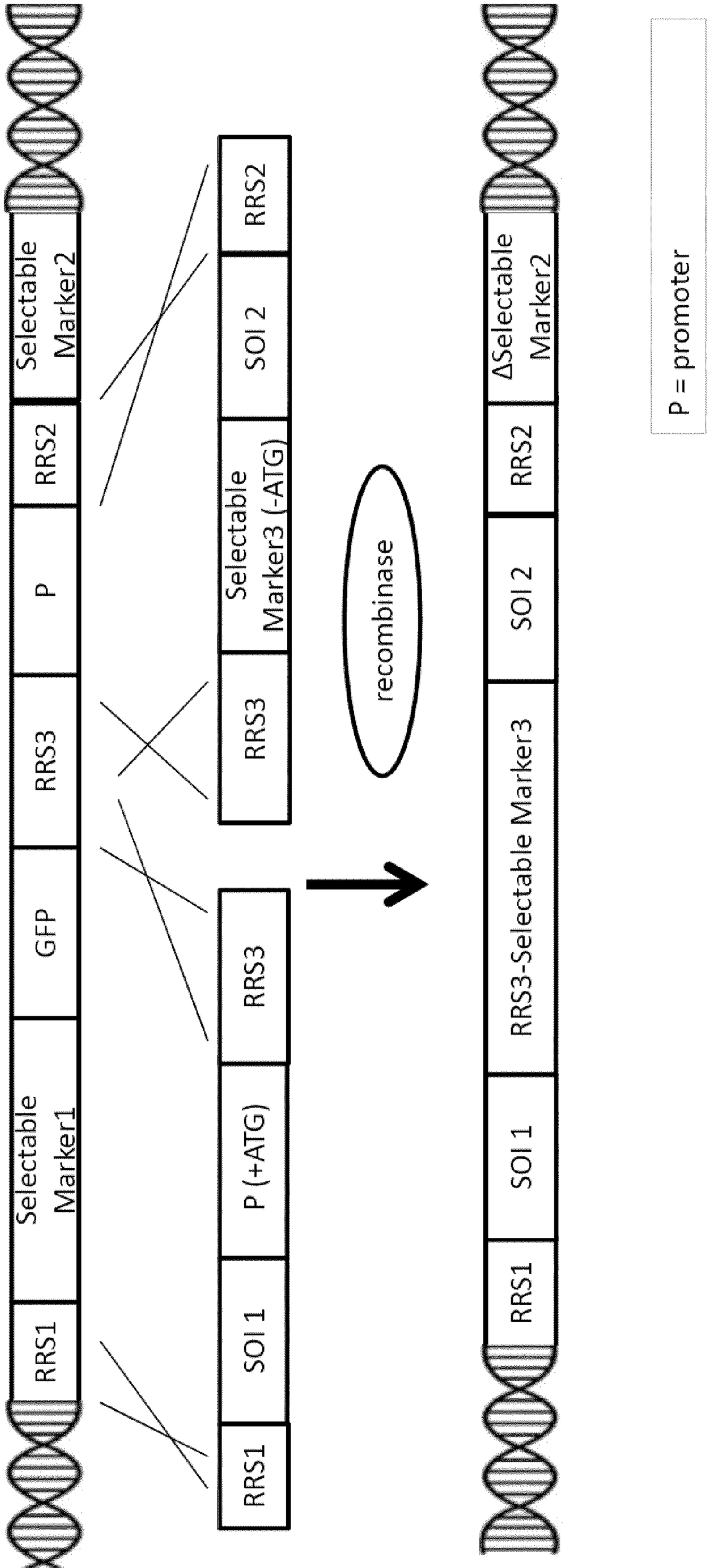
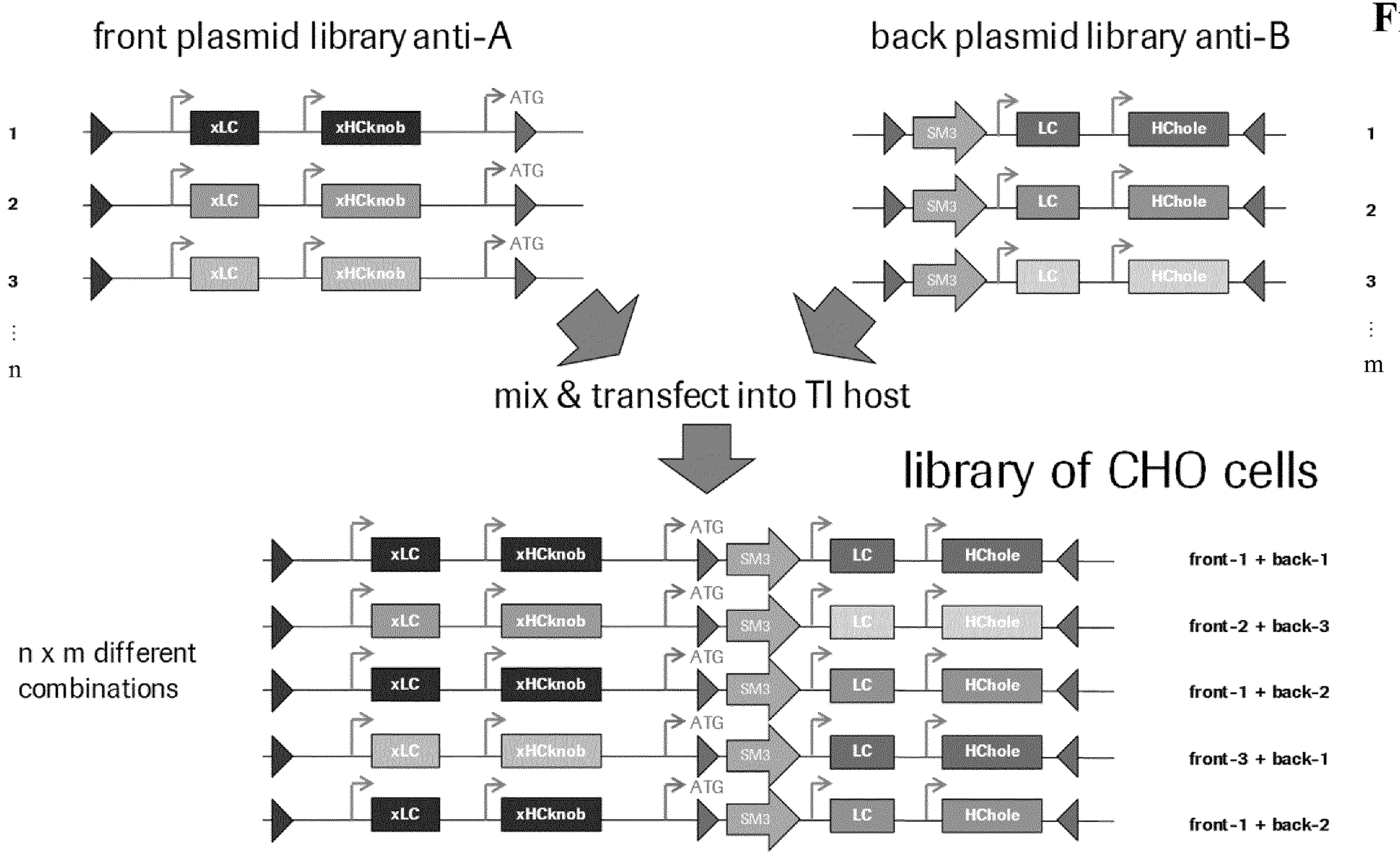

RRS3
P
RRS2
Selectable Marker2
GFP
Selectable Marker1
RRS1
Selectable Marker3 (-ATG)
SOI 2
RRS2
recombinase
P (+ATG)
RRS3
SOI 1
RRS1
RRS3
SOI 2
RRS2
ΔSelectable Marker2
RRS3-Selectable Marker3
SOI 1
RRS1
P = promoter

Figure 3


front plasmid library anti-A
back plasmid library anti-B
1
2
3
⋮
n
xLC
xHCknob
ATG
SM3
LC
HChole
1
2
3
⋮
m
mix & transfect into TI host
library of CHO cells
n x m different combinations
front-1 + back-1
front-2 + back-3
front-1 + back-2
front-3 + back-1
front-1 + back-2

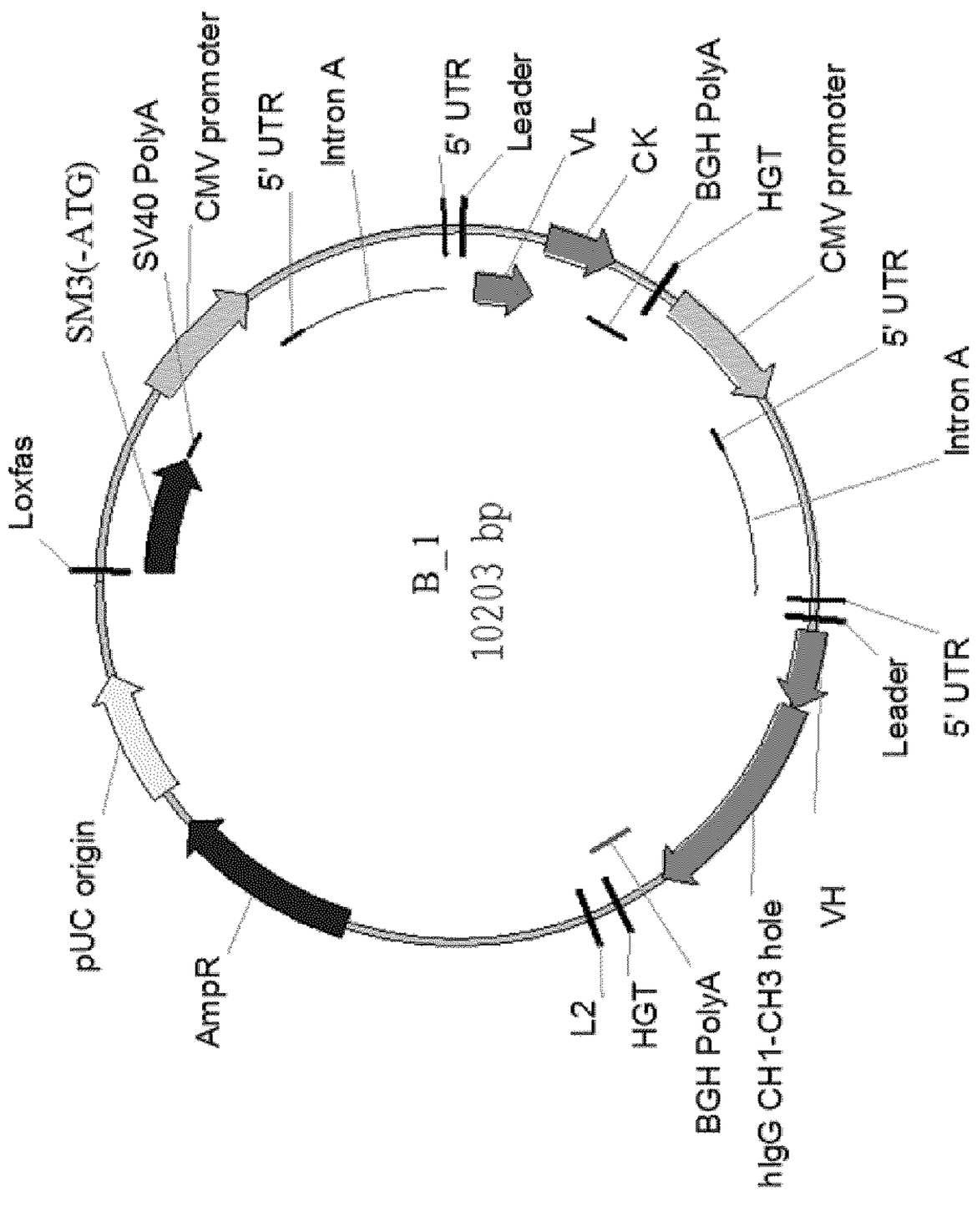


Figure 4B

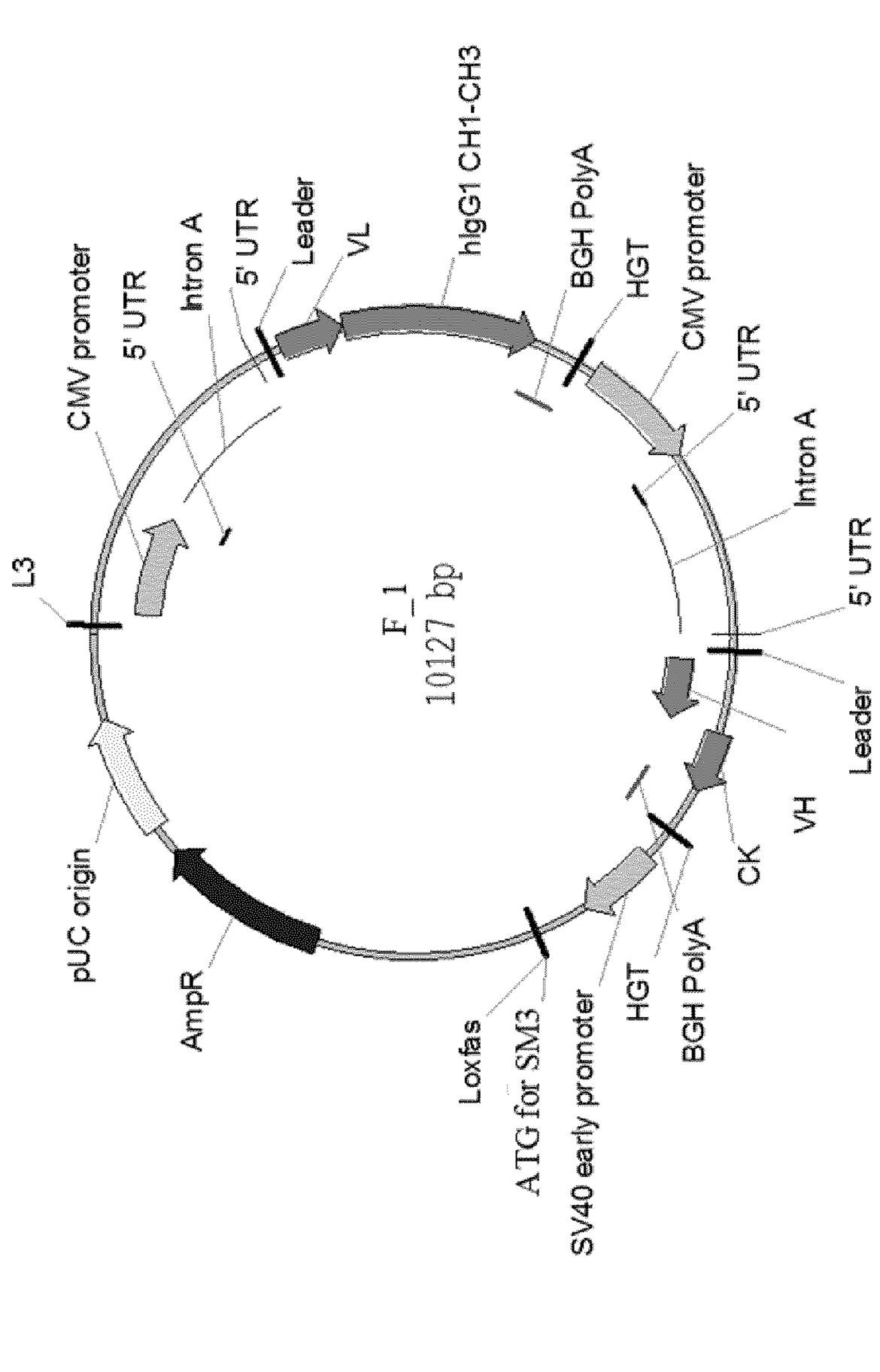


Figure 4A

Figure 5A

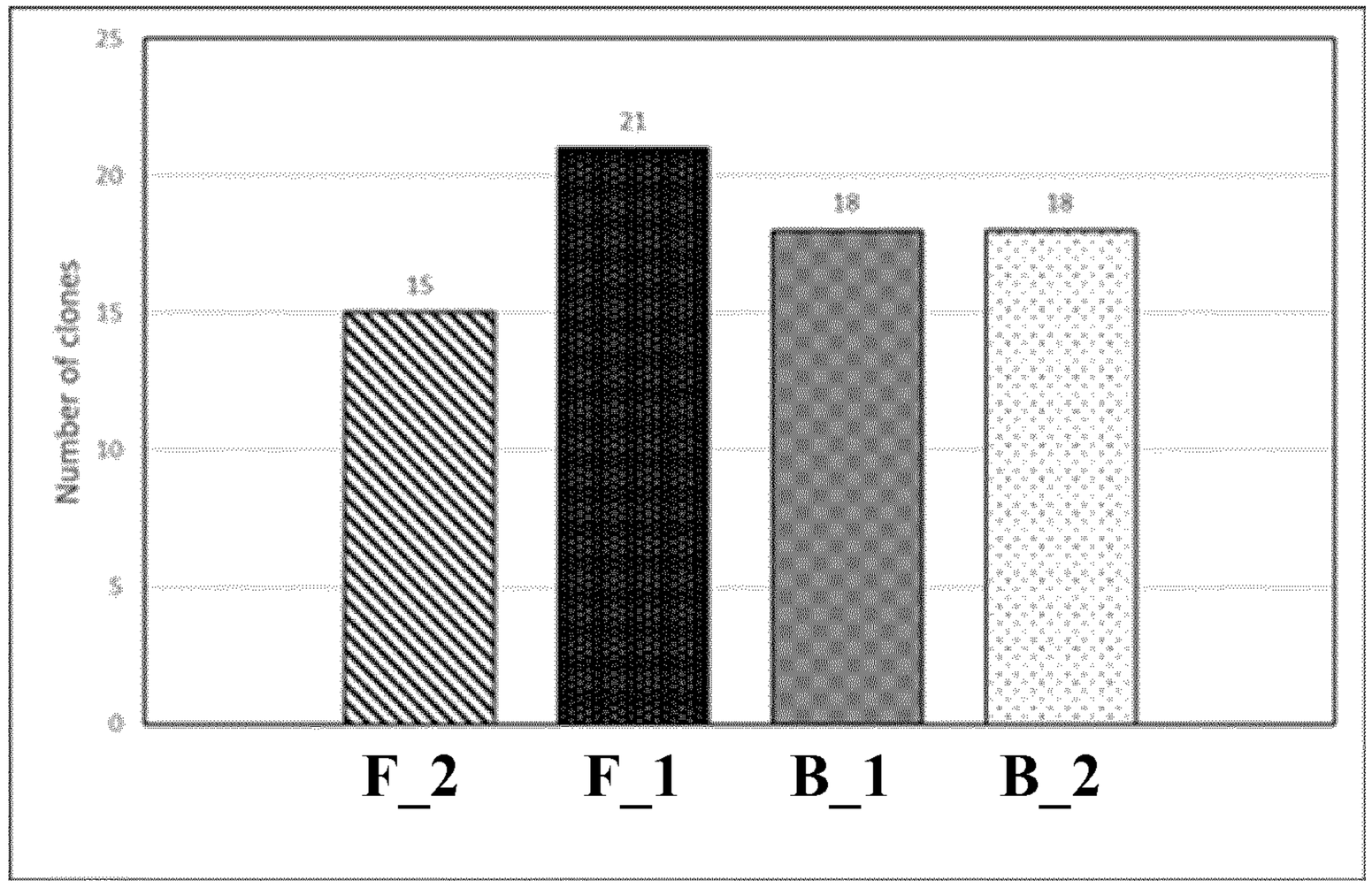


Figure 5B

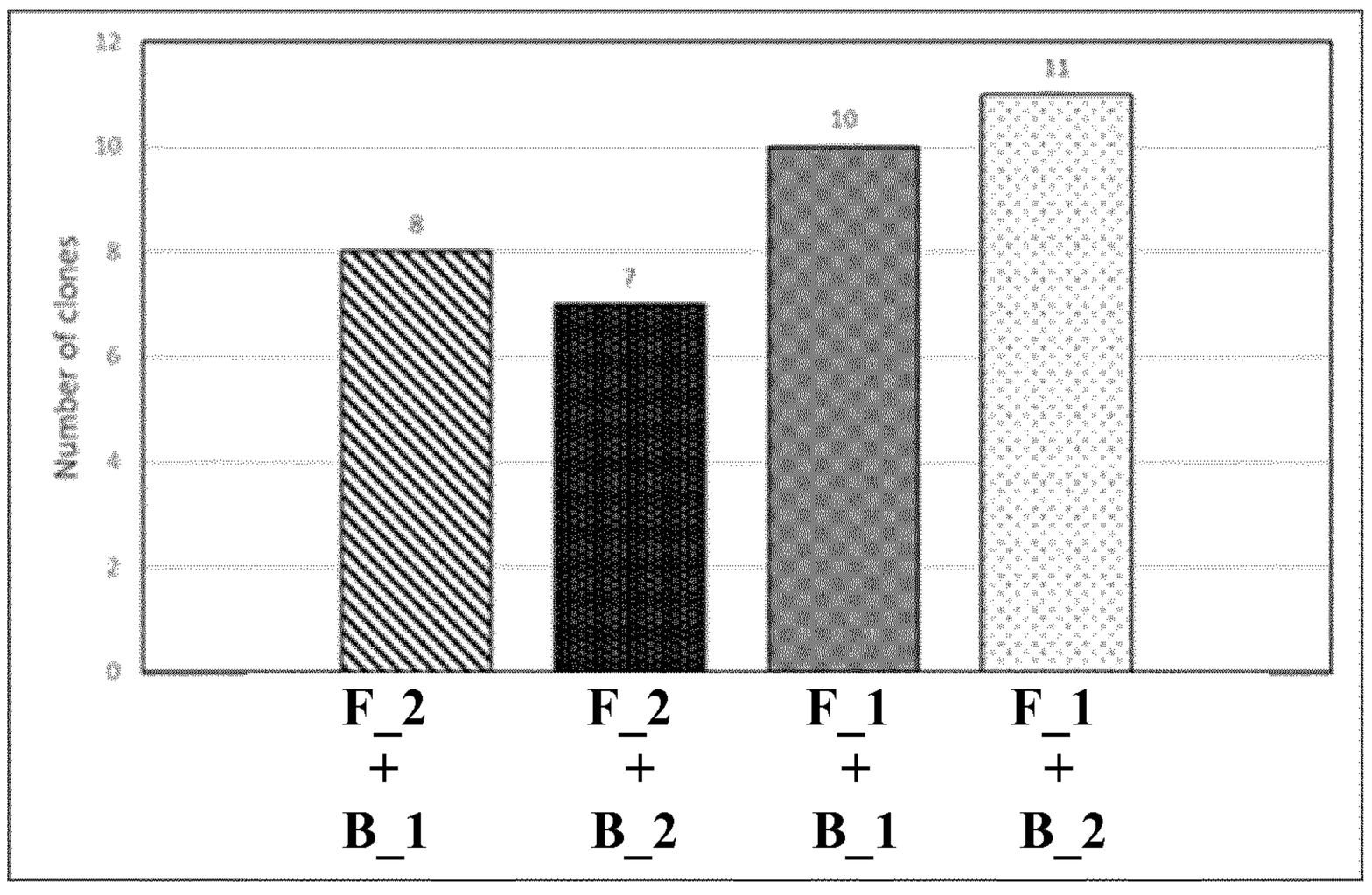


Figure 6A

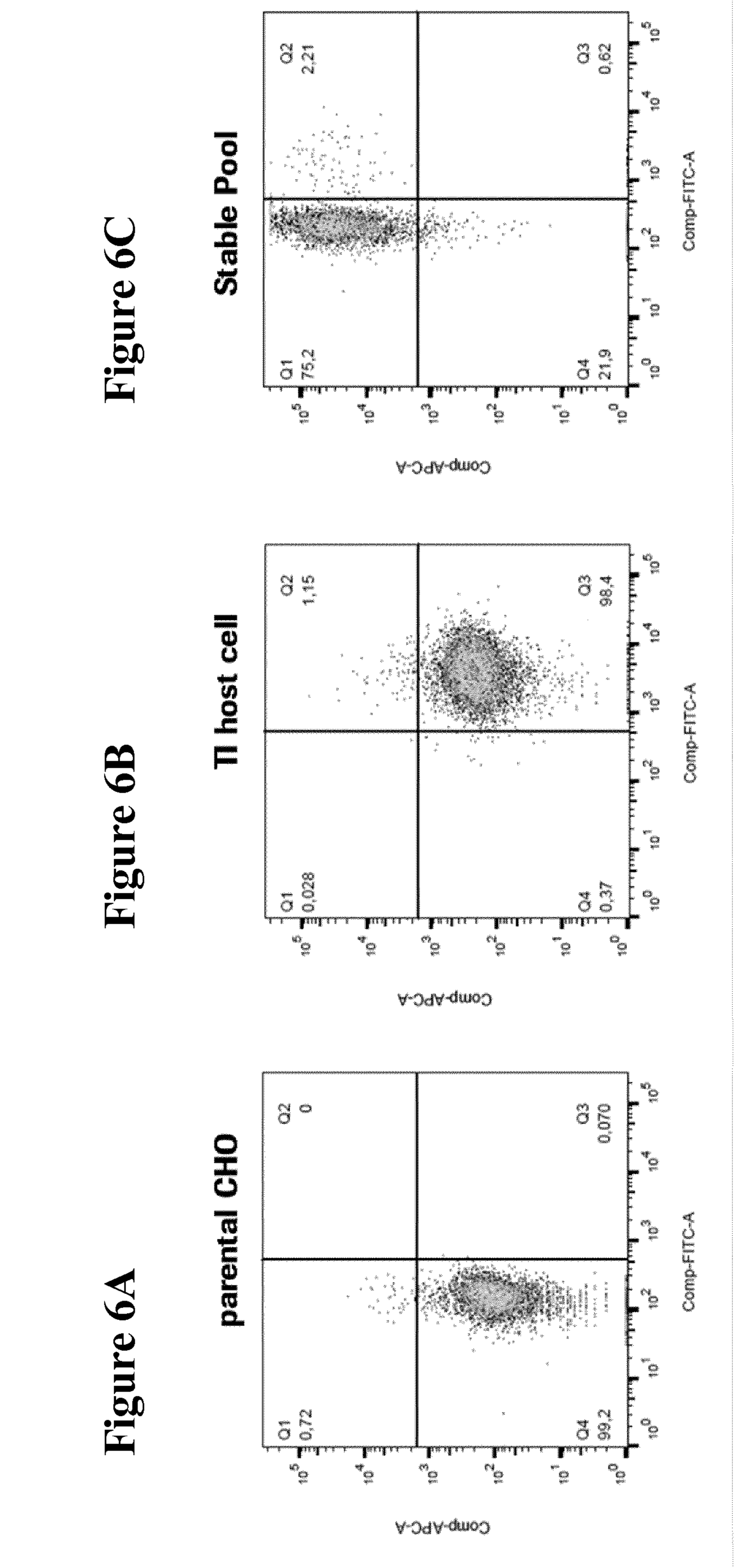


Figure 6B

Figure 6C