Figure 1

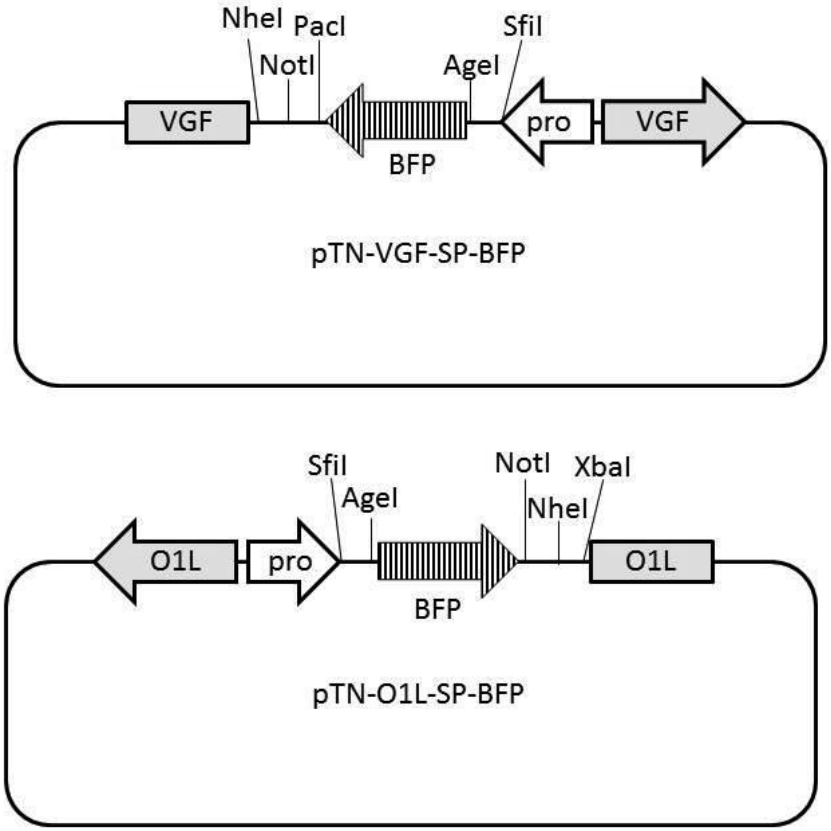

NheI
PacI
SfiI
NotI
AgeI
VGF
pro
VGF
BFP
pTN-VGF-SP-BFP
SfiI
NotI
XbaI
AgeI
NheI
O1L
pro
O1L
BFP
pTN-O1L-SP-BFP

Figure 2

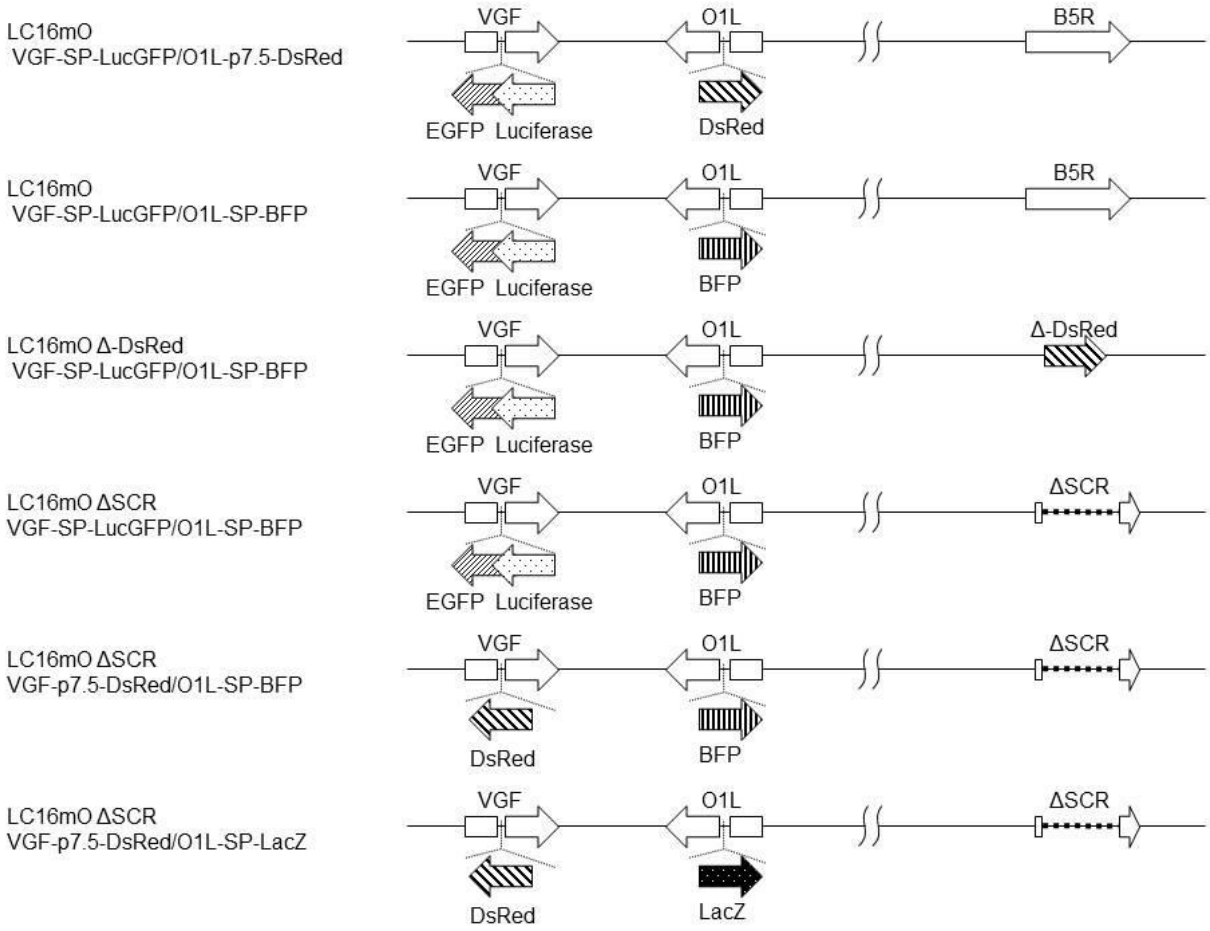

LC16mO
VGF-SP-LucGFP/O1L-p7.5-DsRed
VGF
O1L
B5R
EGFP Luciferase
DsRed
LC16mO
VGF-SP-LucGFP/O1L-SP-BFP
VGF
O1L
B5R
EGFP Luciferase
BFP
LC16mO Δ-DsRed
VGF-SP-LucGFP/O1L-SP-BFP
VGF
O1L
Δ-DsRed
EGFP Luciferase
BFP
LC16mO ΔSCR
VGF-SP-LucGFP/O1L-SP-BFP
VGF
O1L
ΔSCR
EGFP Luciferase
BFP
LC16mO ΔSCR
VGF-p7.5-DsRed/O1L-SP-BFP
VGF
O1L
ΔSCR
DsRed
BFP
LC16mO ΔSCR
VGF-p7.5-DsRed/O1L-SP-LacZ
VGF
O1L
ΔSCR
DsRed
LacZ

Figure 3

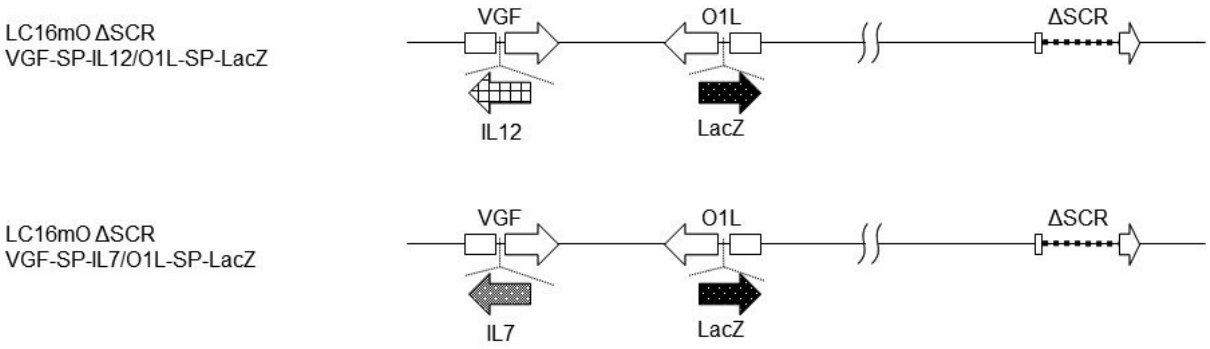

LC16mO ΔSCR
VGF-SP-IL12/O1L-SP-LacZ
VGF
O1L
ΔSCR
IL12
LacZ
LC16mO ΔSCR
VGF-SP-IL7/O1L-SP-LacZ
VGF
O1L
ΔSCR
IL7
LacZ

Figure 4

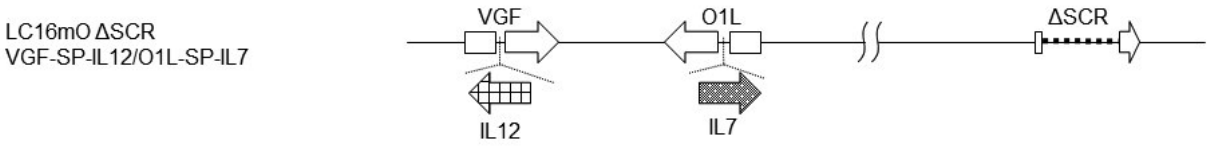


Figure 5-1

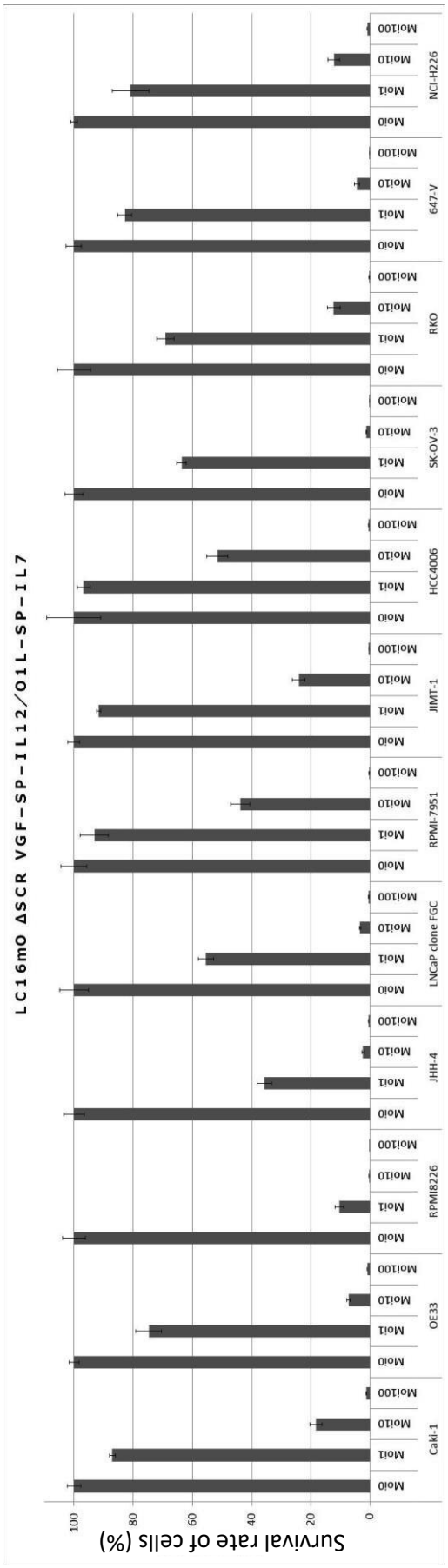

LC16mO ΔSCR VGF-SP-IL12/O1L-SP-IL7
Survival rate of cells (%)
0
20
40
60
80
100
Caki-1
OE33
RPMI8226
JHH-4
LNCaP clone FGC
RPMI-7951
JIMT-1
HCC4006
SK-OV-3
RKO
647-V
NCI-H226
MoI0
MoI1
MoI10
MoI100

Figure 5-2

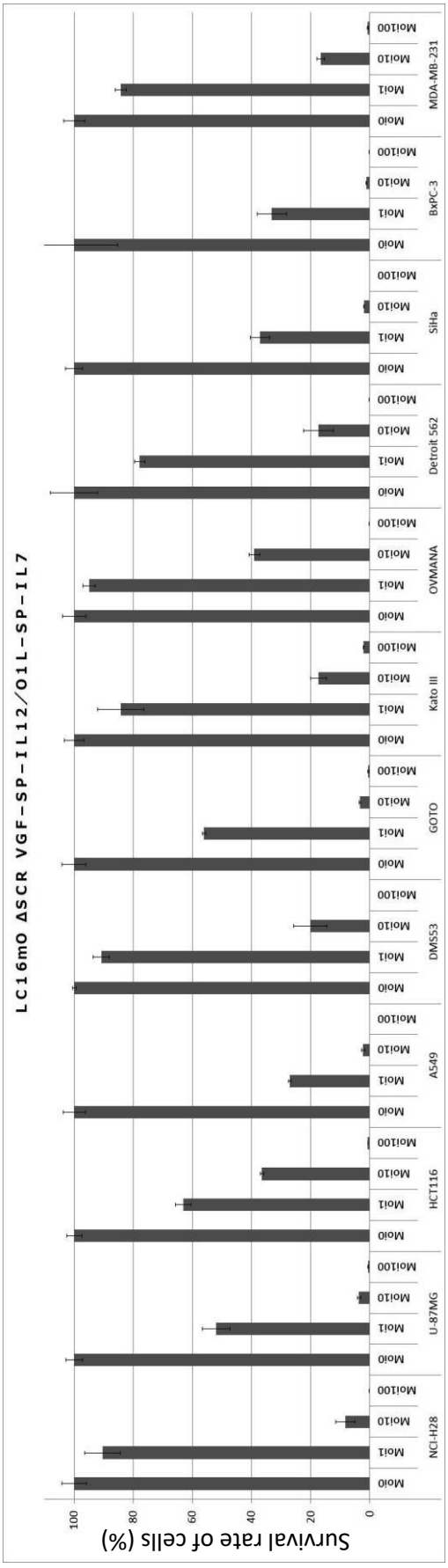

LC16mO ΔSCR VGF-SP-IL12/O1L-SP-IL7
Survival rate of cells (%)
0
20
40
60
80
100
NCI-H28
U-87MG
HCT116
A549
DMS53
GOTO
Kato III
OVMANA
Detroit 562
SiHa
BxPC-3
MDA-MB-231
MoI0
MoI1
MoI10
MoI100

Figure 5-3

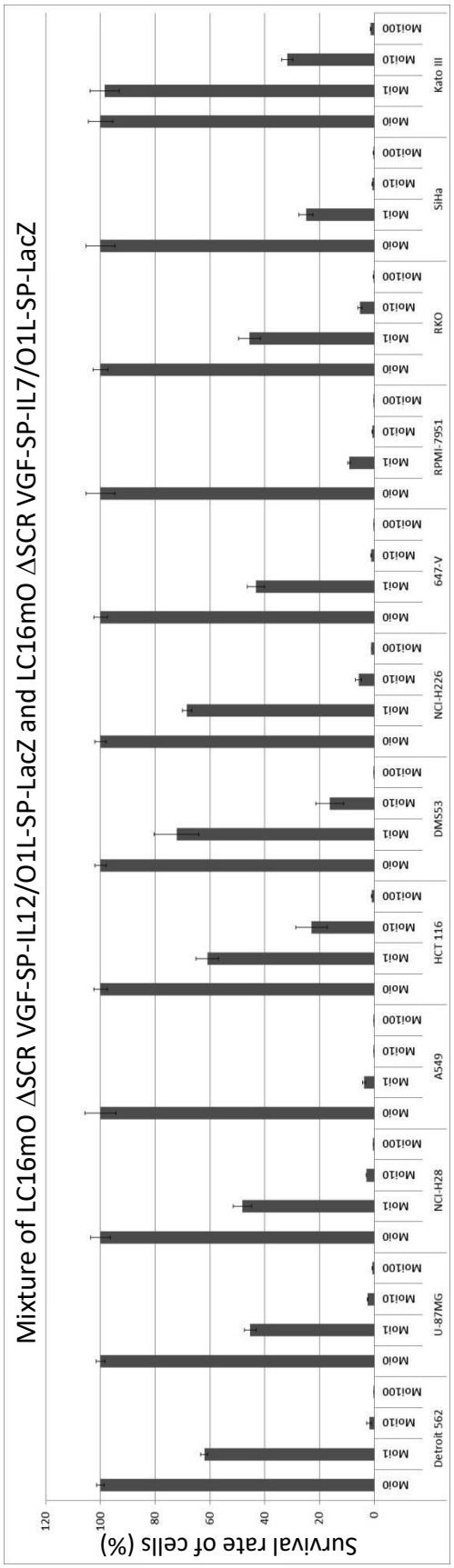
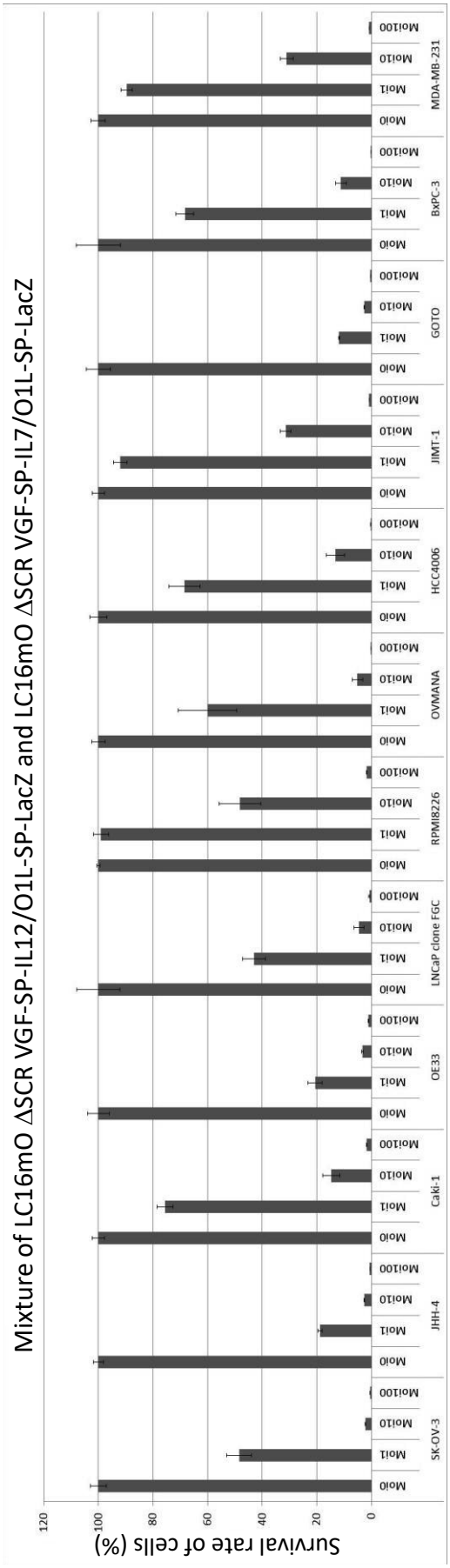

Mixture of LC16mO ΔSCR VGF-SP-IL12/O1L-SP-LacZ and LC16mO ΔSCR VGF-SP-IL7/O1L-SP-LacZ
Survival rate of cells (%)
120
100
80
60
40
20
0
Detroit 562
U-87MG
NCI-H28
A549
HCT 116
DMS53
NCI-H226
647-V
RPMI-7951
RKO
SiHa
Kato III
Mock
MoI1
MoI10
MoI100

Figure 5-4


Mixture of LC16mO ΔSCR VGF-SP-IL12/O1L-SP-LacZ and LC16mO ΔSCR VGF-SP-IL7/O1L-SP-LacZ
Survival rate of cells (%)
120
100
80
60
40
20
0
SK-OV-3
JHH-4
Caki-1
OE33
LNCaP clone FGC
RPMI8226
OVMANA
HCC4006
JIMT-1
GOTO
BxPC-3
MDA-MB-231
MoI0
MoI1
MoI10
MoI100