Figure 1

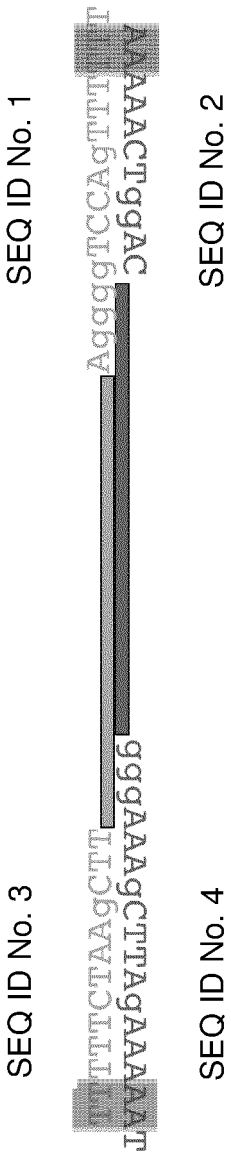


Figure 2

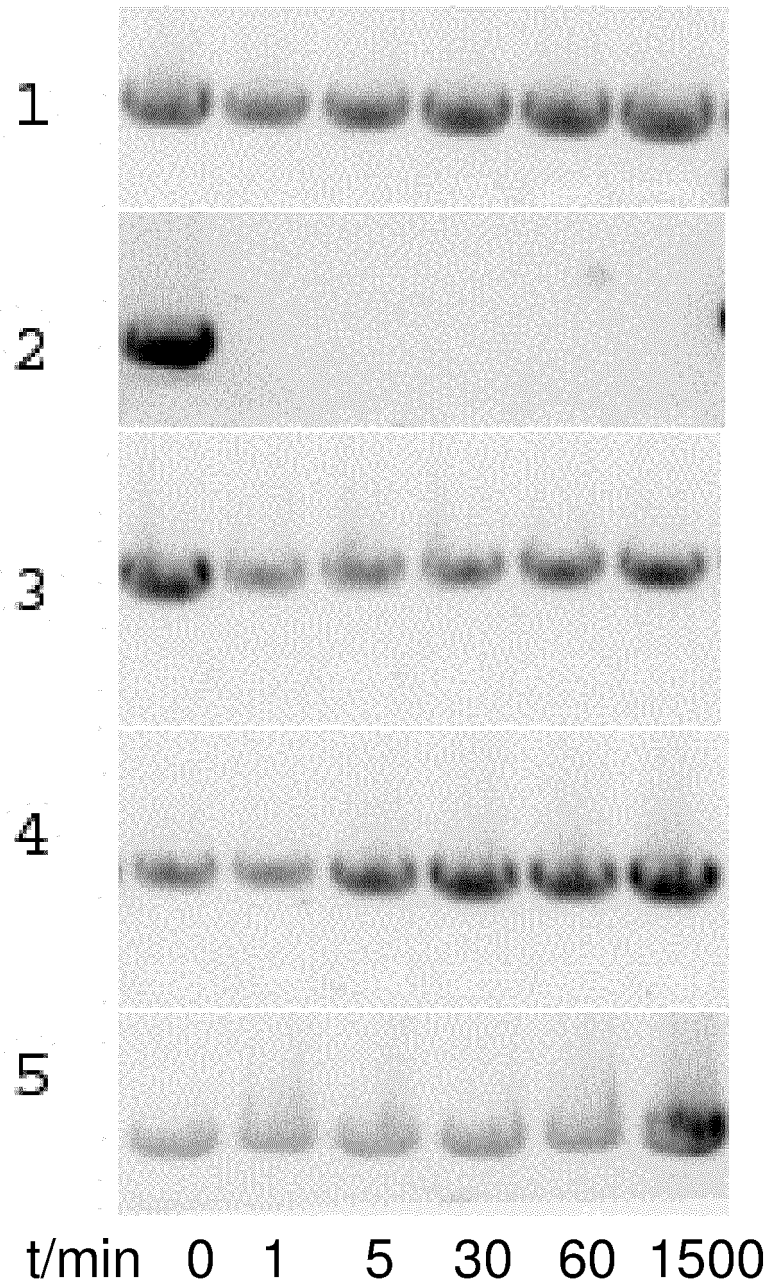


Figure 3

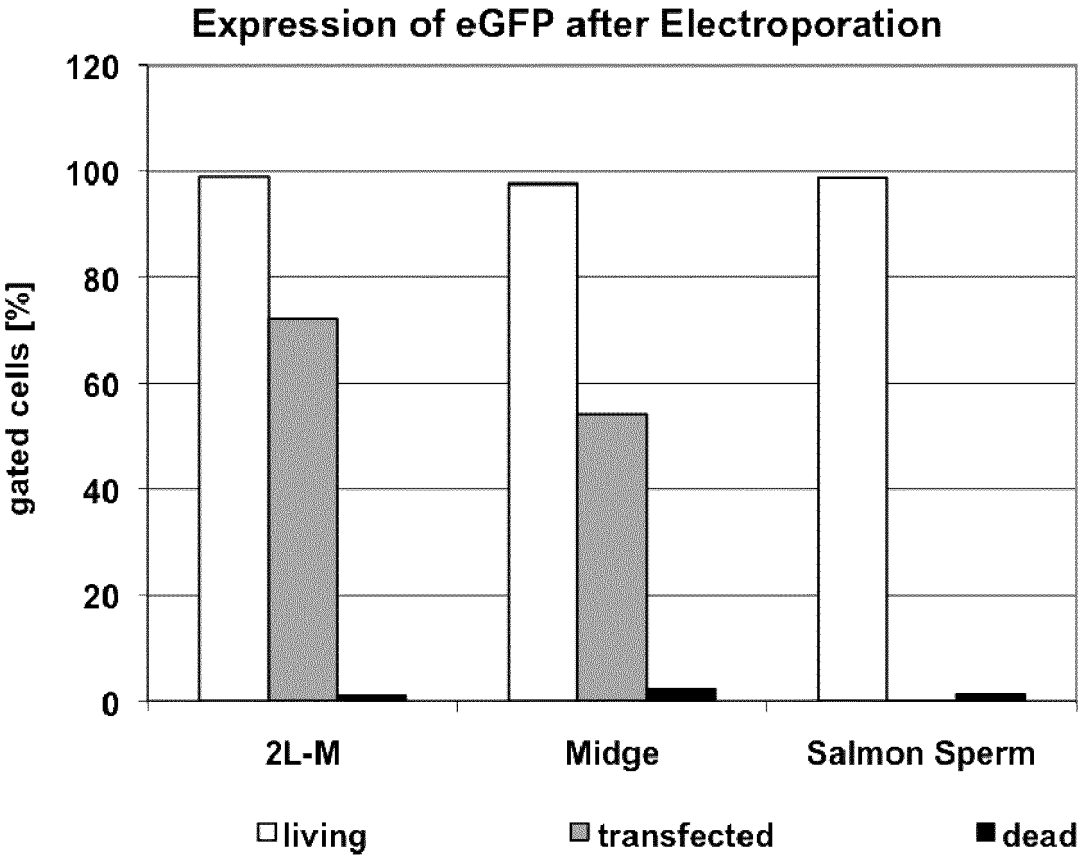

Expression of eGFP after Electroporation
120
100
80
60
40
20
0
gated cells [%]
2L-M
Midge
Salmon Sperm
living
transfected
dead

Figure 4

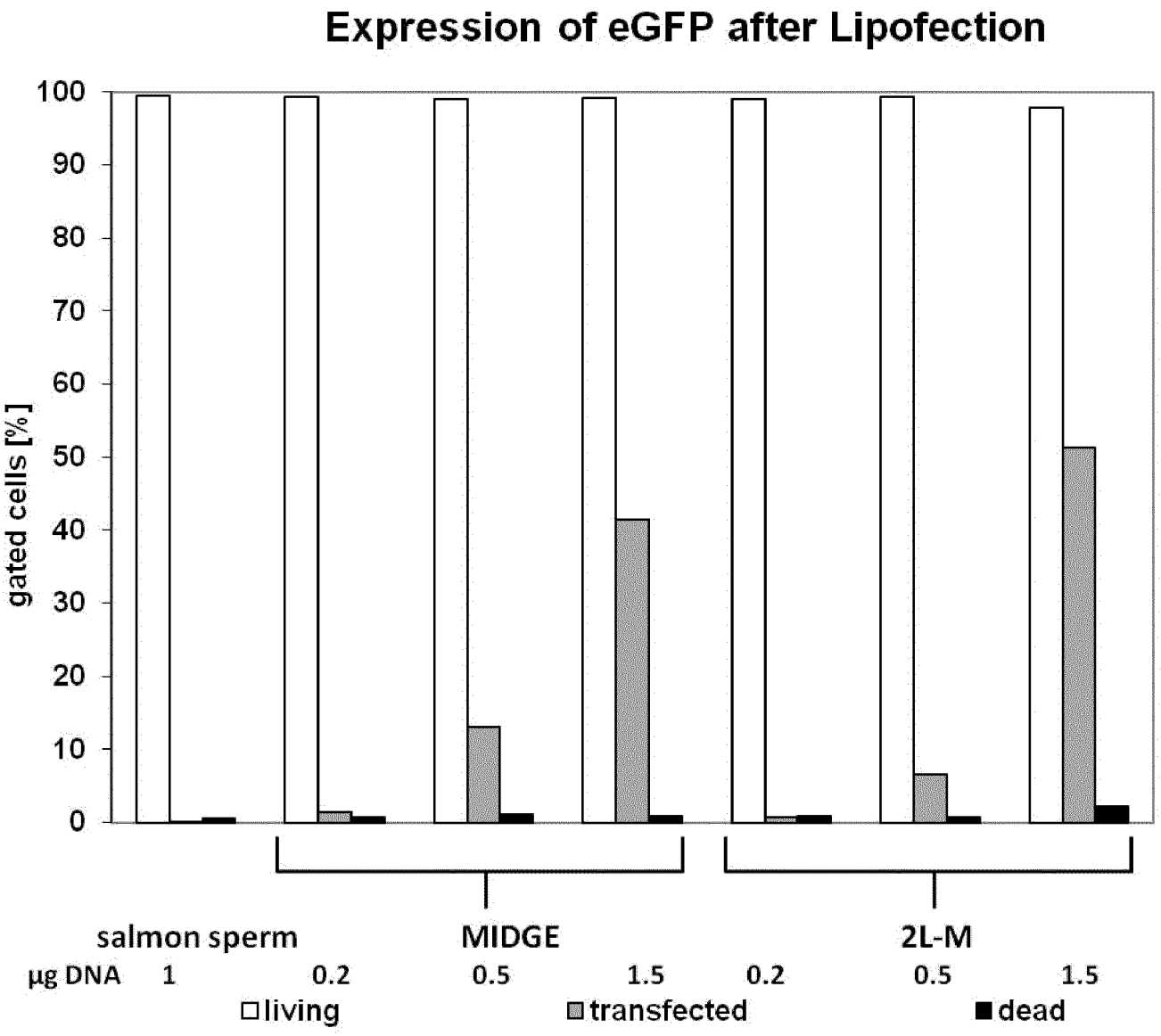

Expression of eGFP after Lipofection
gated cells [%]
100
90
80
70
60
50
40
30
20
10
0
salmon sperm
MIDGE
2L-M
µg DNA 1 0.2 0.5 1.5 0.2 0.5 1.5
living
transfected
dead

Figure 5

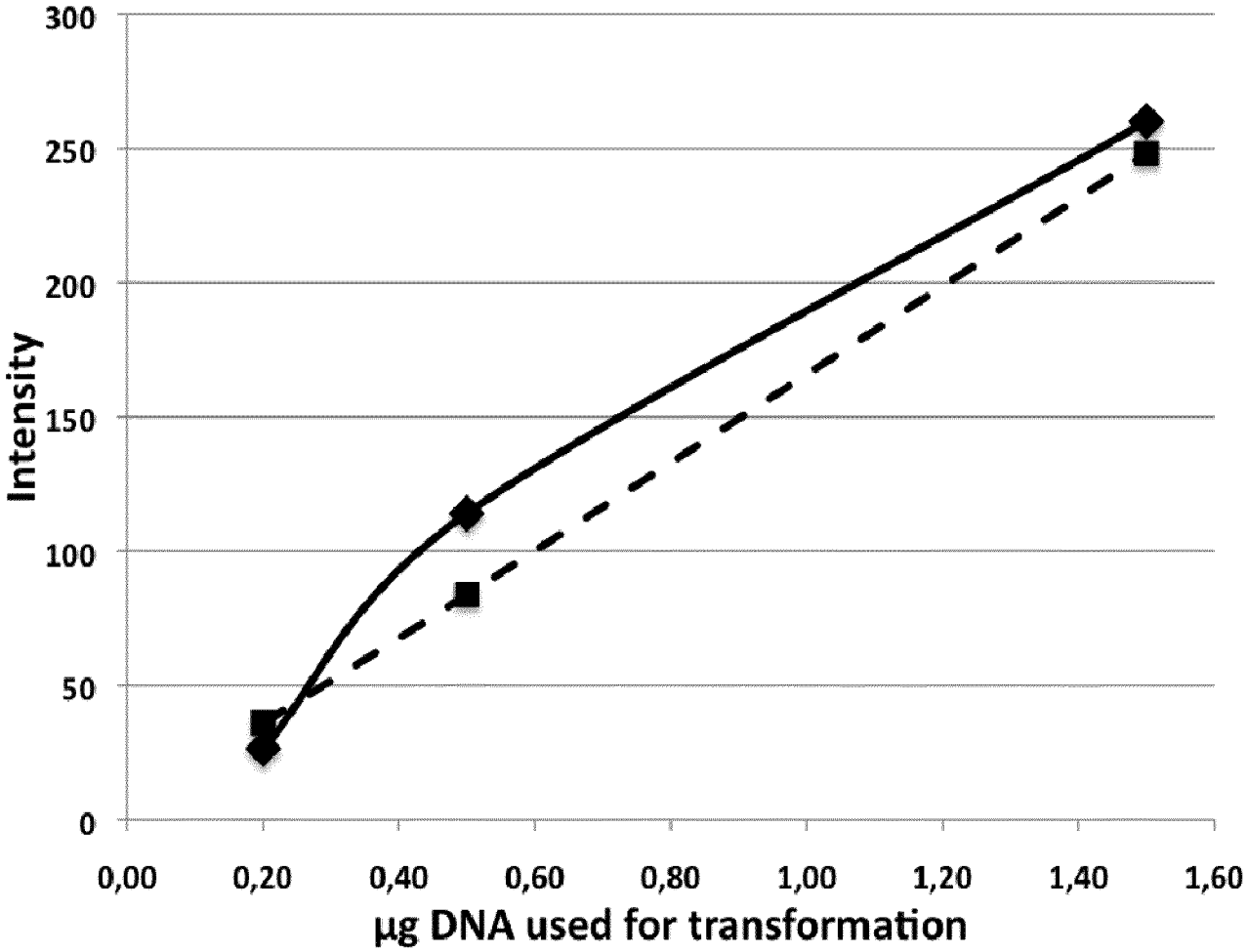

300
250
200
150
100
50
0
Intensity
0,00
0,20
0,40
0,60
0,80
1,00
1,20
1,40
1,60
µg DNA used for transformation

Figure 6

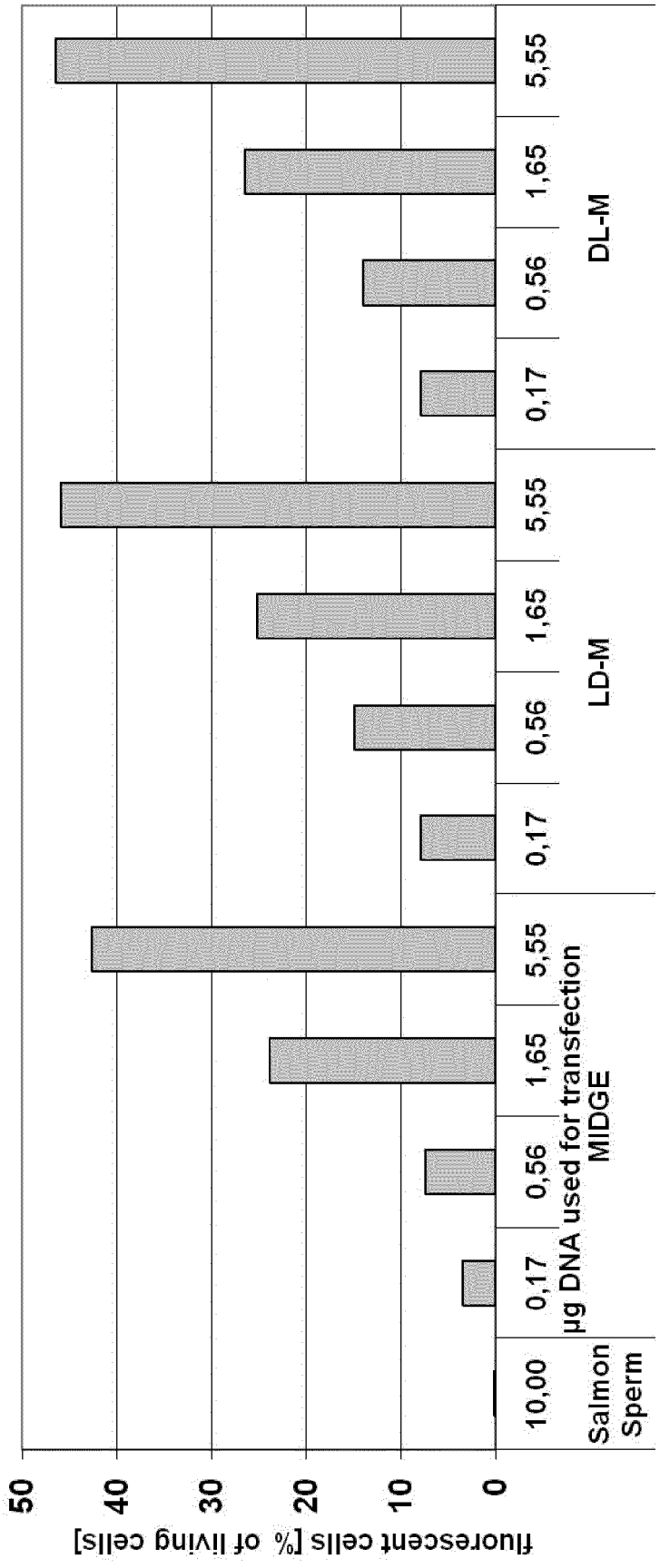
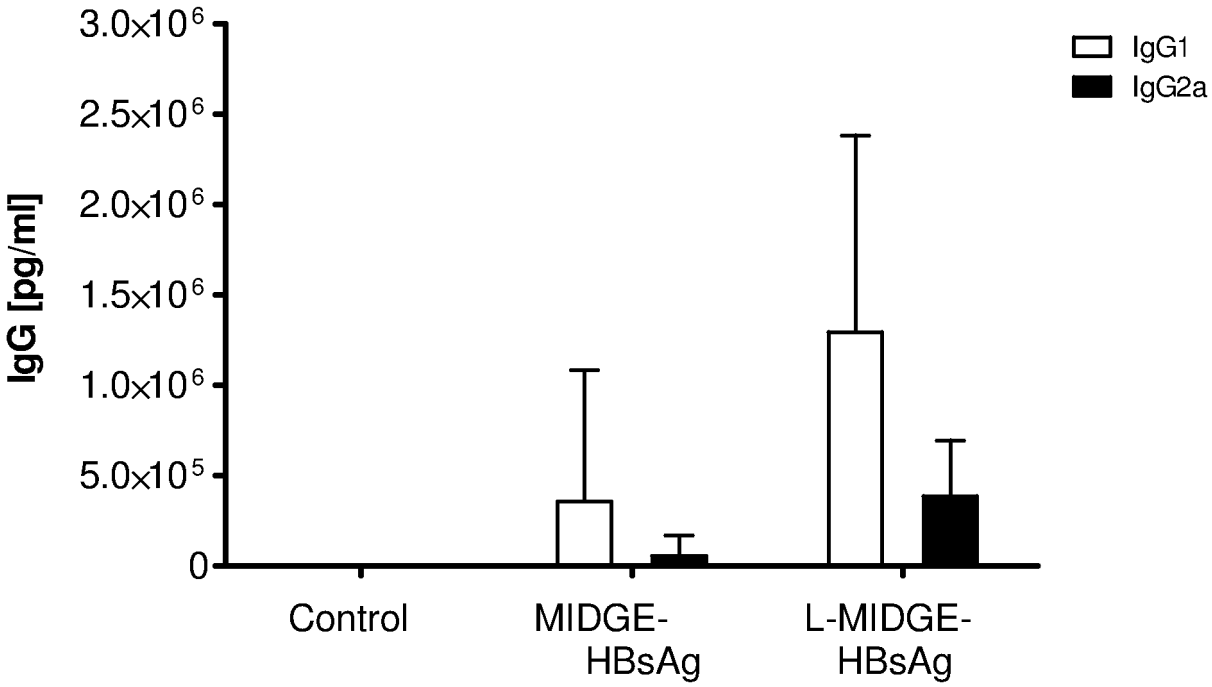

fluorescent cells [% of living cells]
0
10
20
30
40
50
Salmon Sperm
10,00
µg DNA used for transfection
MIDGE
0,17
0,56
1,65
5,55
LD-M
0,17
0,56
1,65
5,55
DL-M
0,17
0,56
1,65
5,55

Figure 7


IgG [pg/ml]
3.0x10^6
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
IgG1
IgG2a
Control
MIDGE-HBsAg
L-MIDGE-HBsAg