Fig. 1a

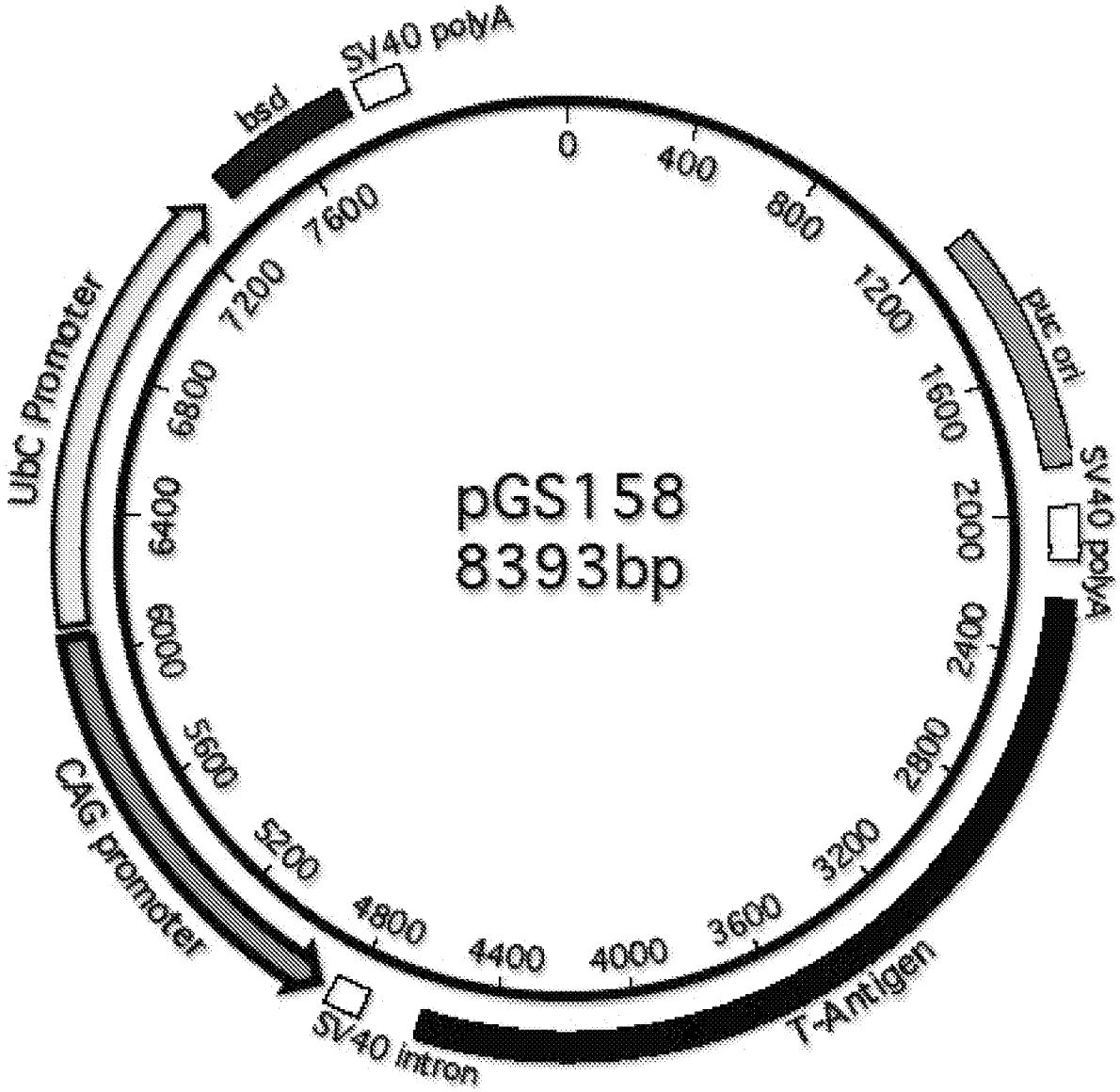

pGS158
8393bp
SV40 polyA
bsd
0
400
800
1200
1600
2000
2400
2800
3200
3600
4000
4400
4800
5200
5600
6000
6400
6800
7200
7600
pUC ori
SV40 polyA
T-Antigen
SV40 intron
CAG promoter
UbC Promoter

Fig. 1b

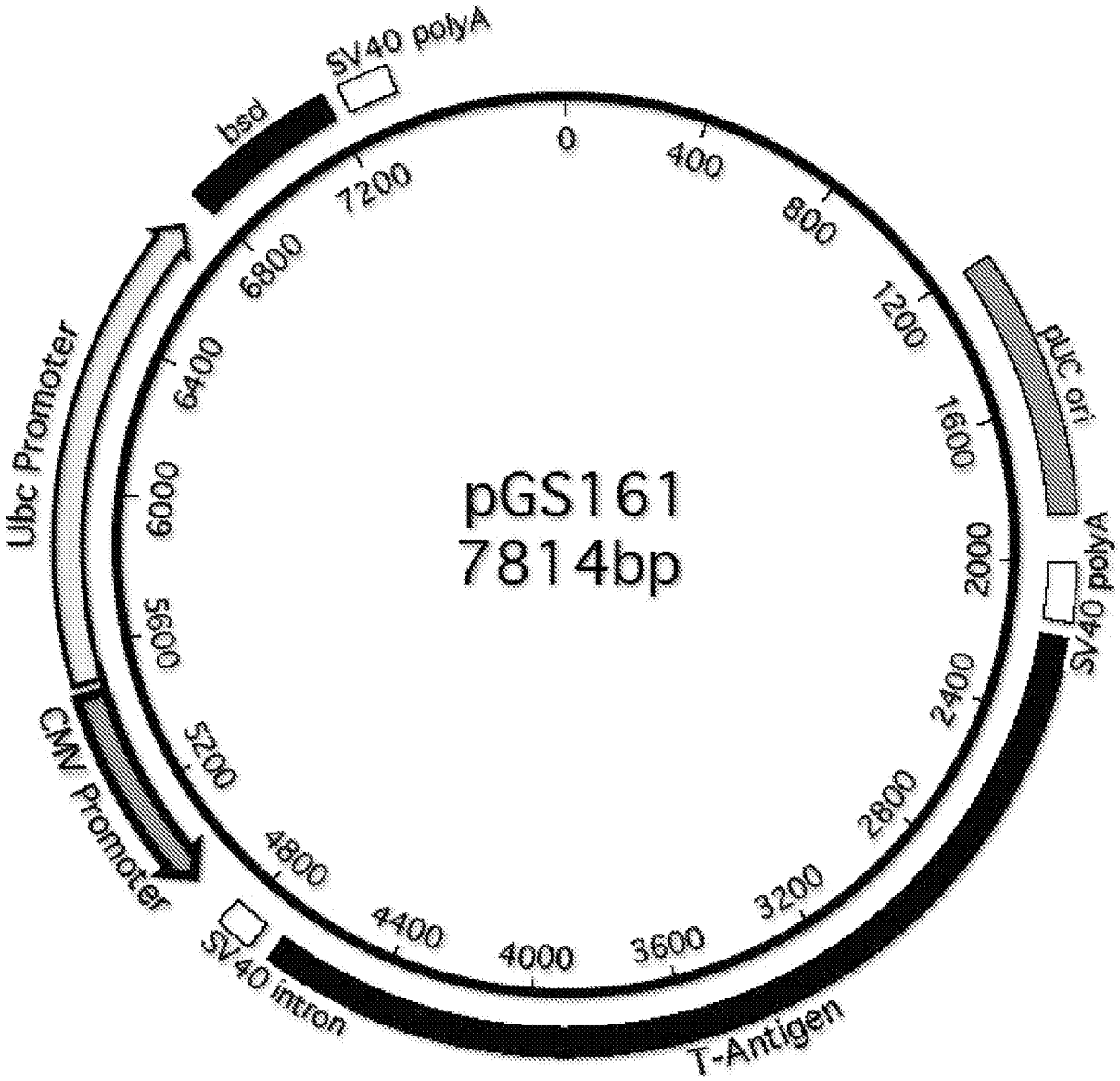

pGS161
7814bp
0
400
800
1200
1600
2000
2400
2800
3200
3600
4000
4400
4800
5200
5600
6000
6400
6800
7200
bsd
SV40 polyA
pUC ori
SV40 polyA
T-Antigen
SV40 intron
CMV Promoter
Ubc Promoter

Fig. 1c

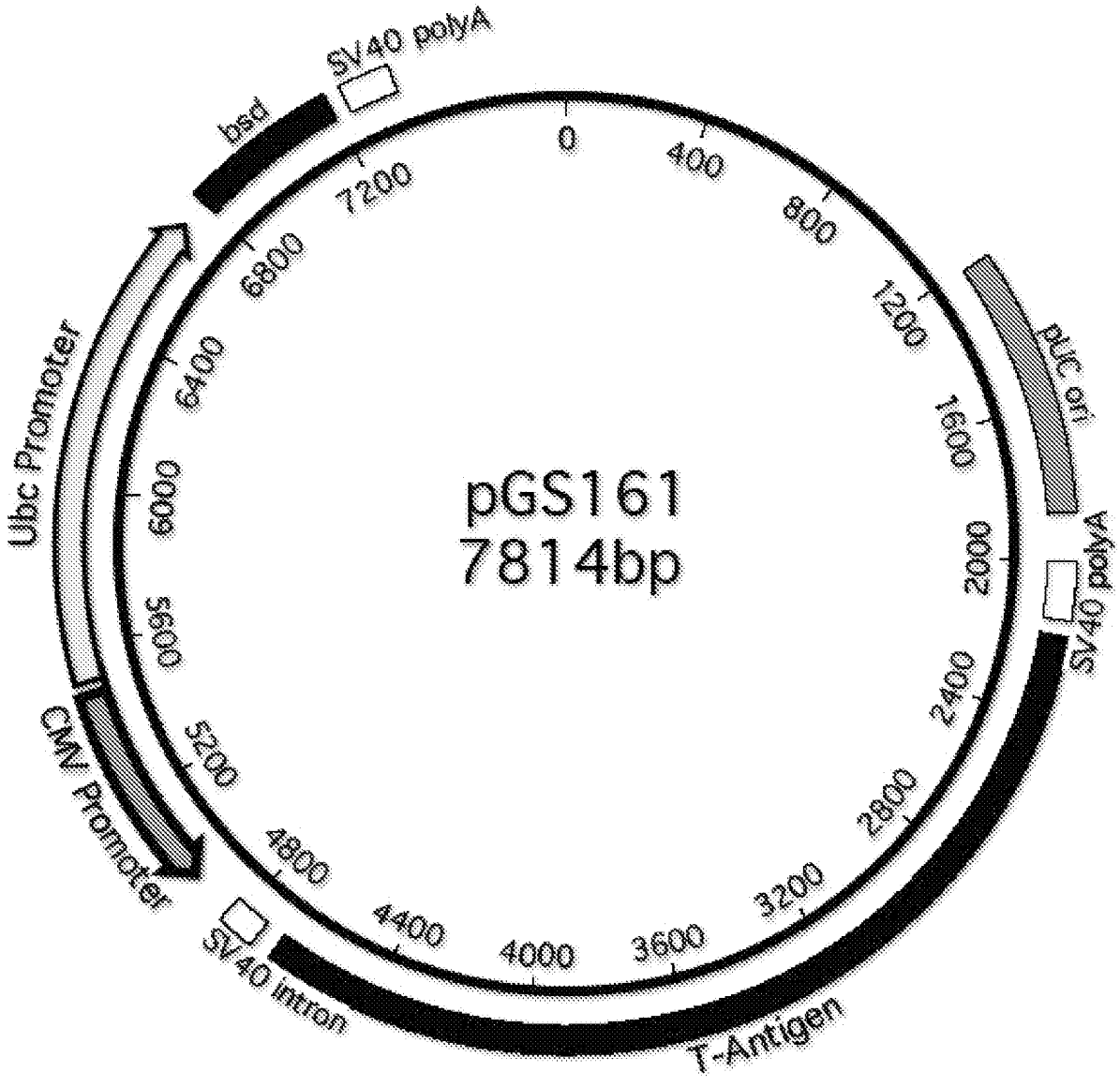

pGS161
7814bp
SV40 polyA
bsd
Ubc Promoter
CMV Promoter
SV40 intron
T-Antigen
pUC ori
SV40 polyA
0
400
800
1200
1600
2000
2400
2800
3200
3600
4000
4400
4800
5200
5600
6000
6400
6800
7200

Fig. 2a

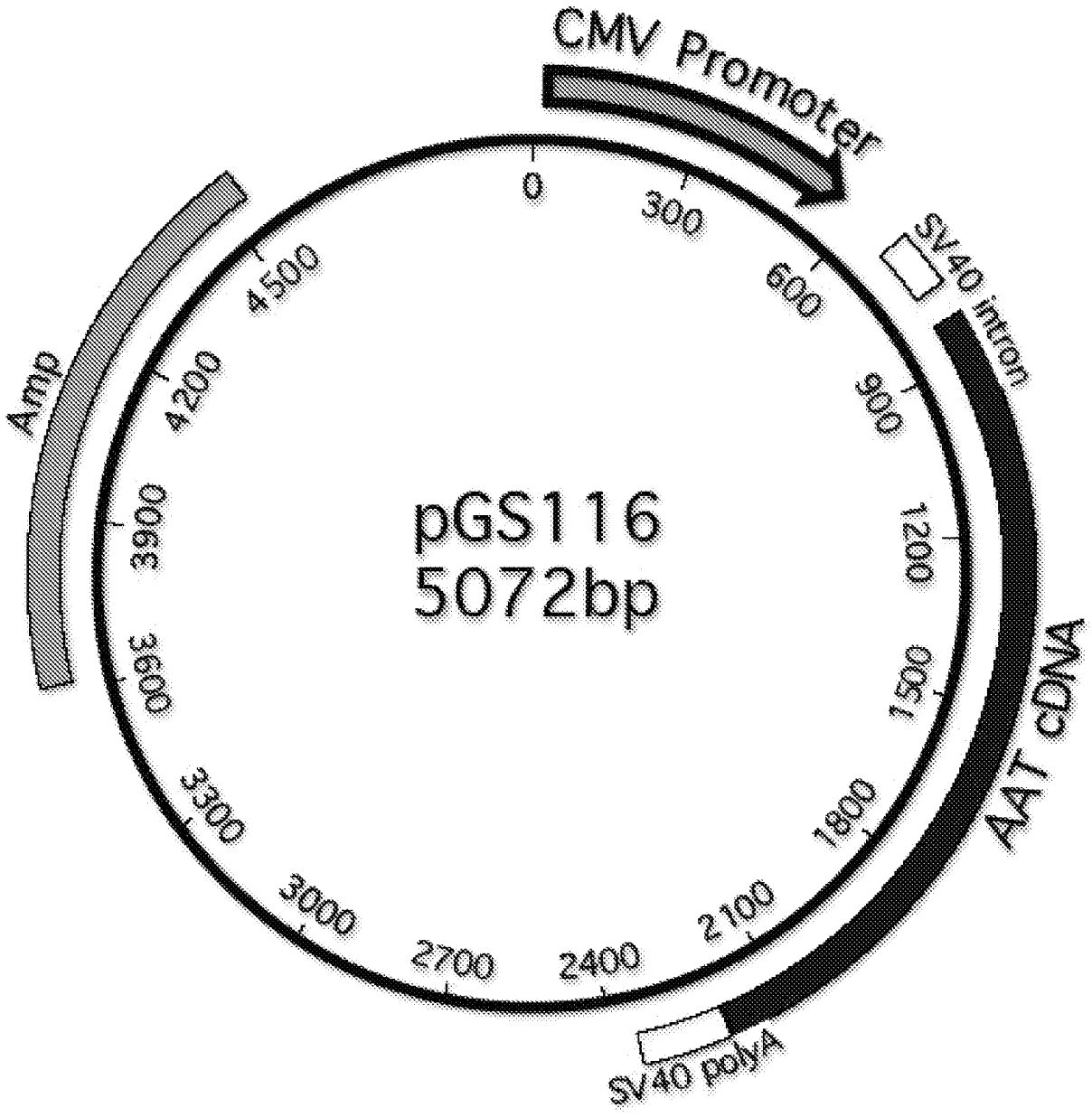

CMV Promoter
SV40 intron
AAT cDNA
SV40 polyA
Amp
pGS116
5072bp
0
300
600
900
1200
1500
1800
2100
2400
2700
3000
3300
3600
3900
4200
4500

Fig. 2b

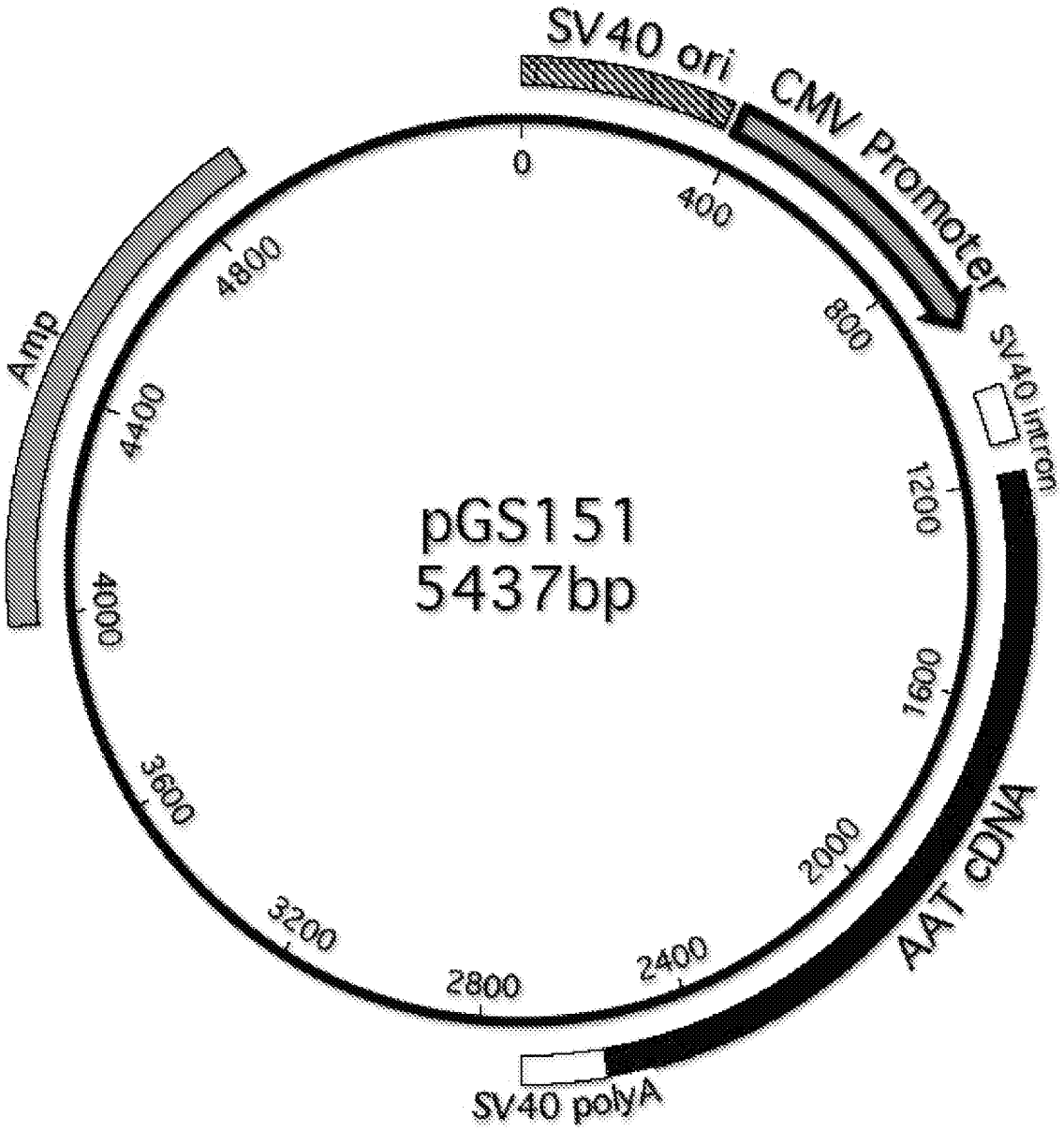

SV40 ori
CMV Promoter
SV40 intron
AAT cDNA
SV40 polyA
Amp
pGS151
5437bp
0
400
800
1200
1600
2000
2400
2800
3200
3600
4000
4400
4800

Fig. 2c

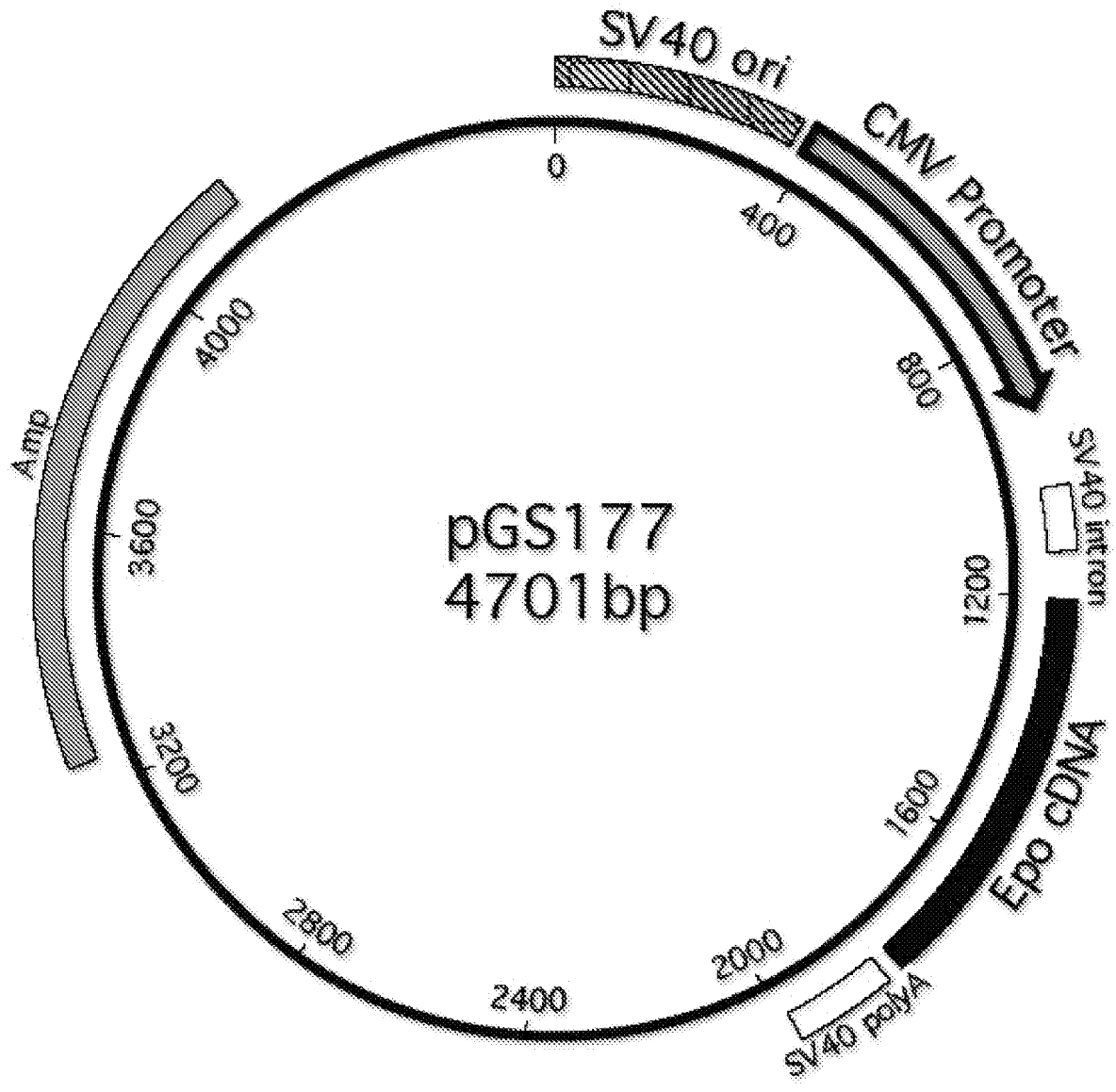

SV40 ori
CMV Promoter
SV40 intron
Epo cDNA
SV40 polyA
Amp
pGS177
4701bp
0
400
800
1200
1600
2000
2400
2800
3200
3600
4000

Fig. 3

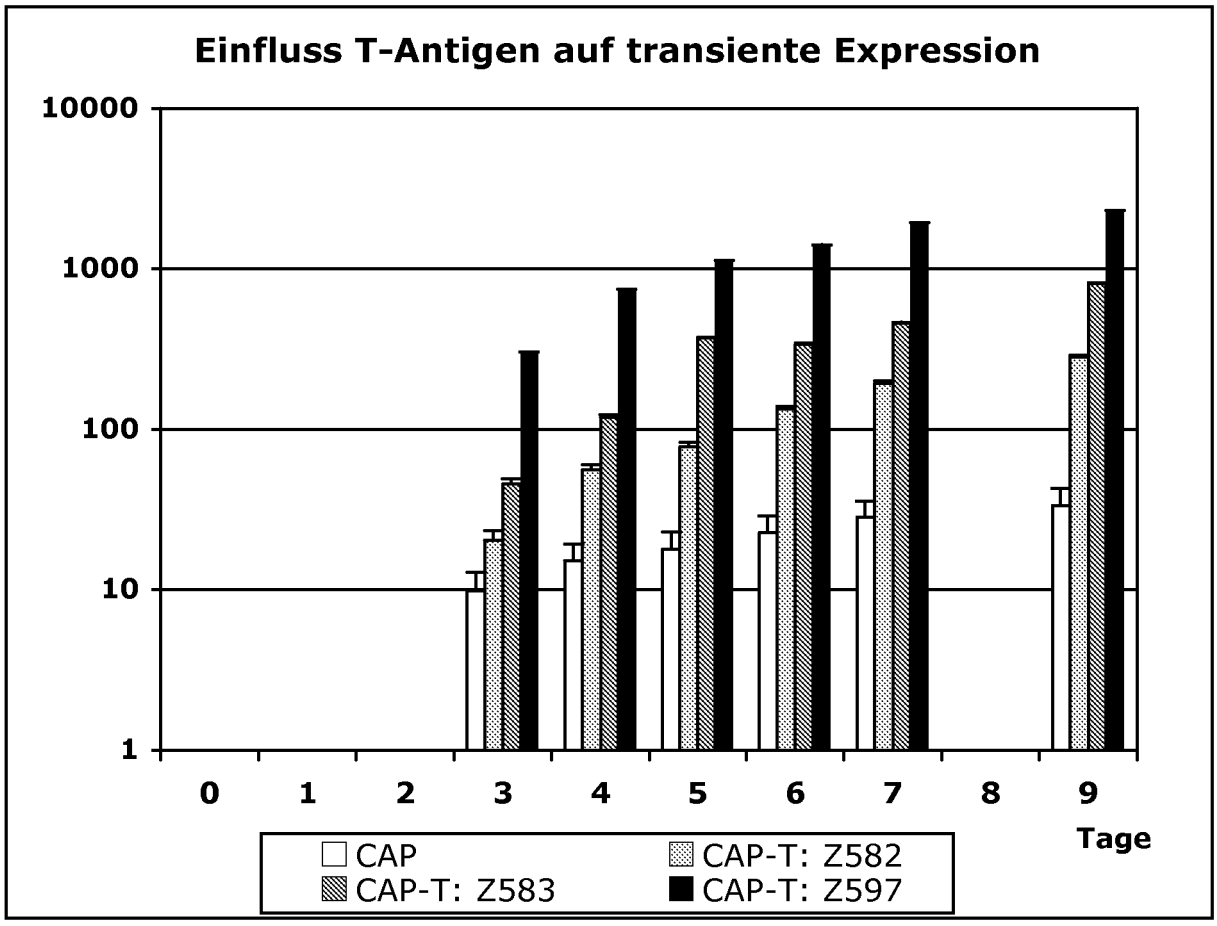

Einfluss T-Antigen auf transiente Expression
10000
1000
100
10
1
0
1
2
3
4
5
6
7
8
9
Tage
CAP
CAP-T: Z582
CAP-T: Z583
CAP-T: Z597

Fig. 4

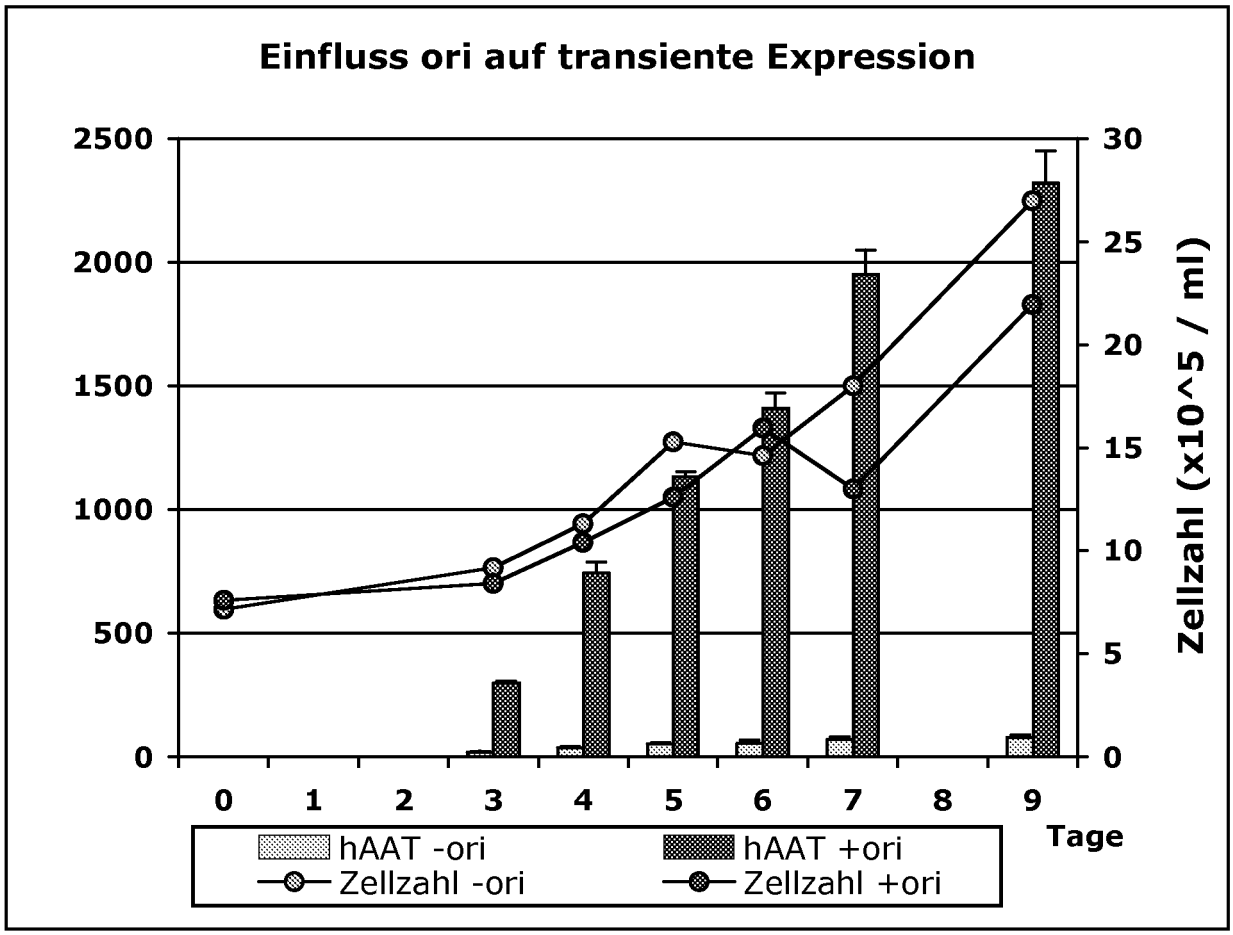

Einfluss ori auf transiente Expression
2500
2000
1500
1000
500
0
30
25
20
15
10
5
0
Zellzahl (x10^5 / ml)
0 1 2 3 4 5 6 7 8 9
Tage
hAAT -ori
hAAT +ori
Zellzahl -ori
Zellzahl +ori

Fig. 5

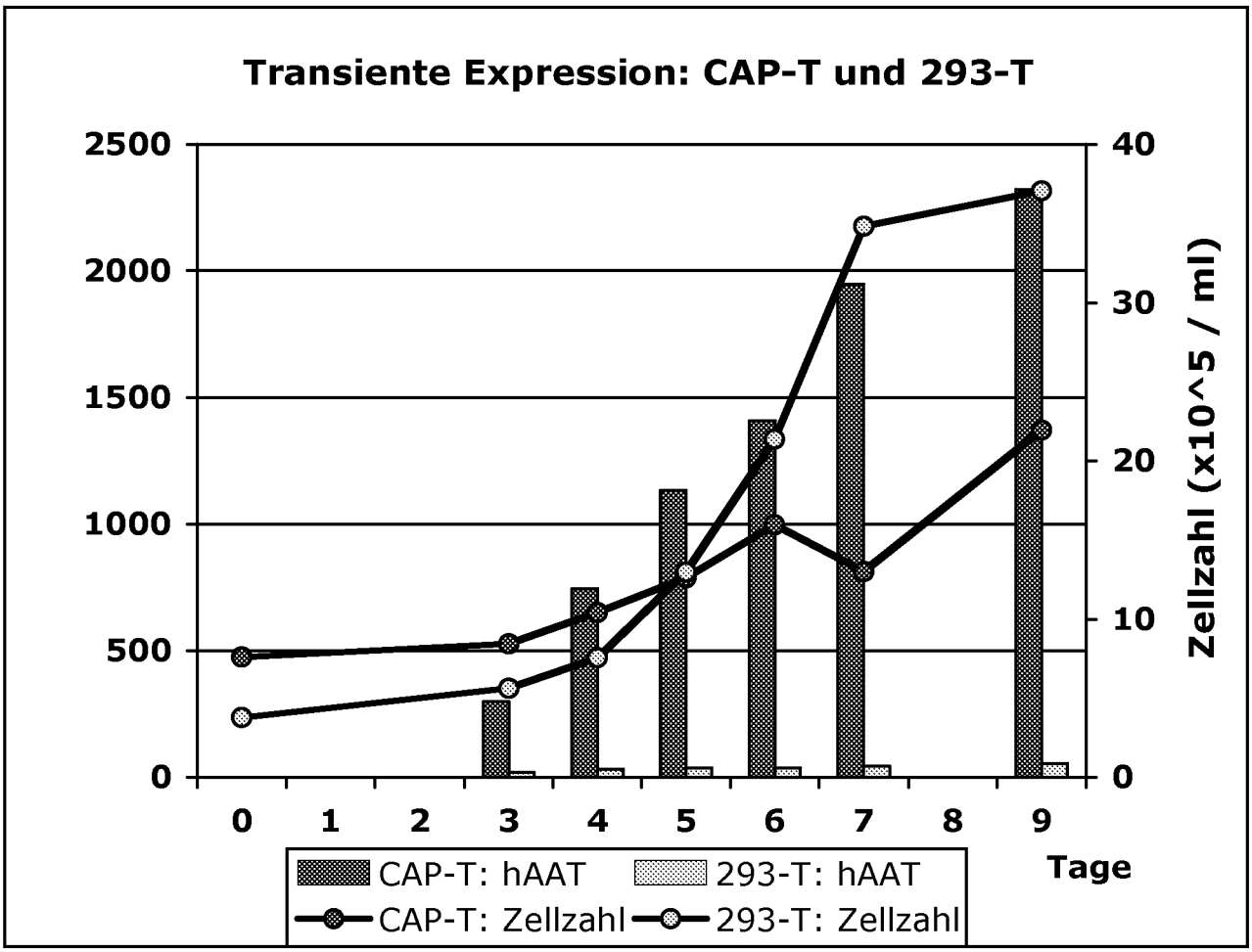

Transiente Expression: CAP-T und 293-T
2500
2000
1500
1000
500
0
40
30
20
10
0
Zellzahl (x10^5 / ml)
0 1 2 3 4 5 6 7 8 9
Tage
CAP-T: hAAT
293-T: hAAT
CAP-T: Zellzahl
293-T: Zellzahl

Fig. 6

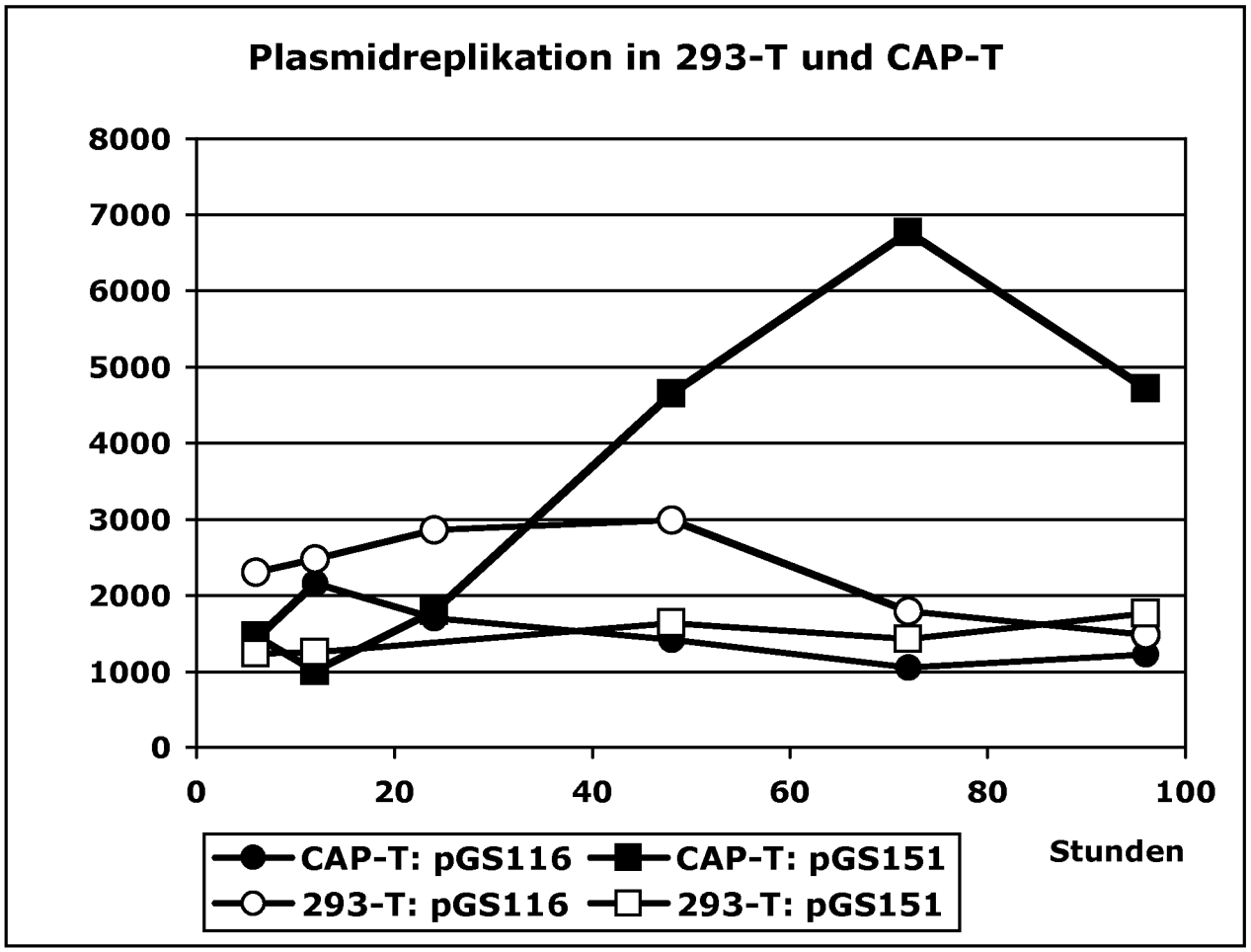
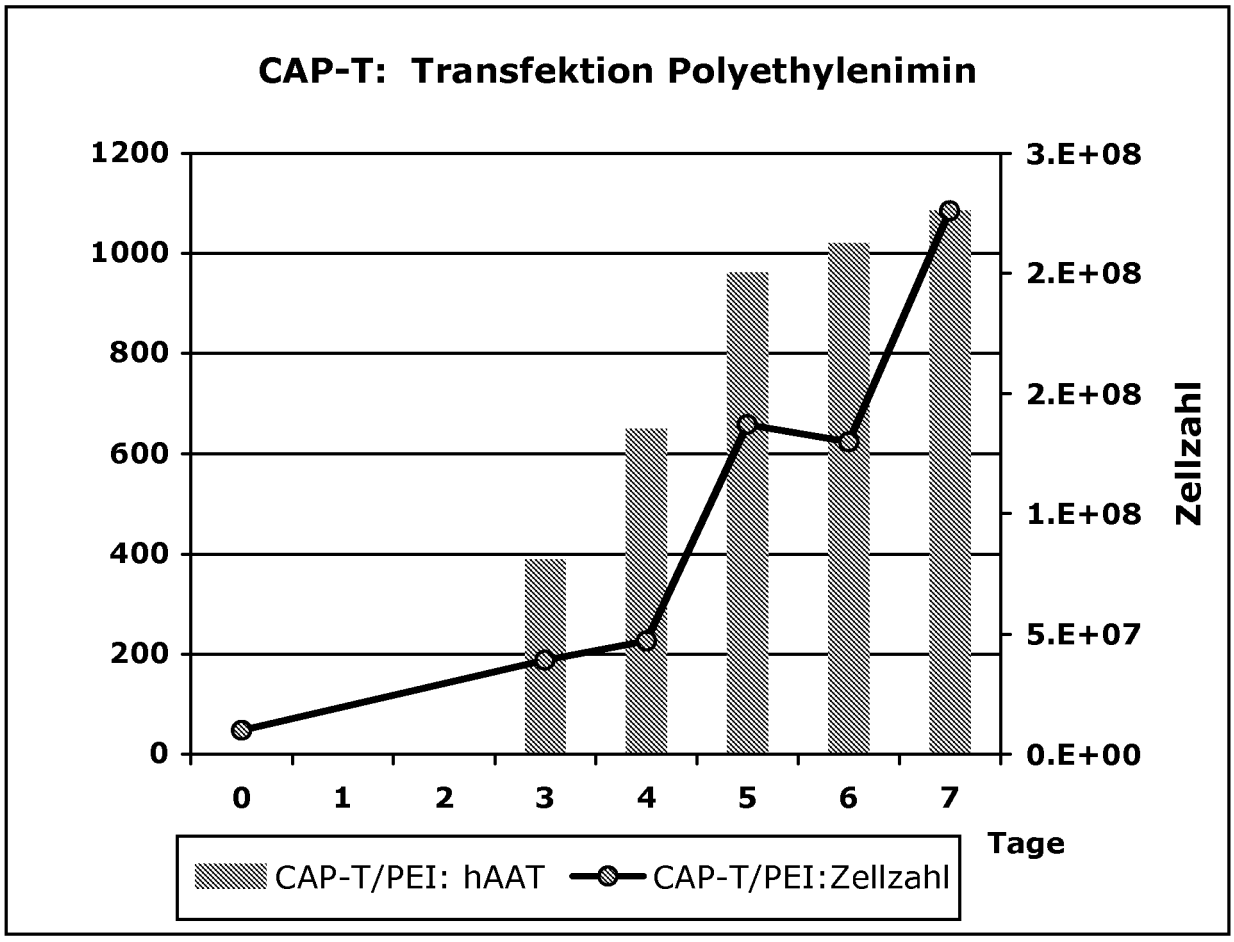

Plasmidreplikation in 293-T und CAP-T
8000
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100
Stunden
CAP-T: pGS116
CAP-T: pGS151
293-T: pGS116
293-T: pGS151

Fig. 7


CAP-T: Transfektion Polyethylenimin
1200
1000
800
600
400
200
0
3.E+08
2.E+08
2.E+08
1.E+08
5.E+07
0.E+00
Zellzahl
0
1
2
3
4
5
6
7
Tage
CAP-T/PEI: hAAT
CAP-T/PEI:Zellzahl