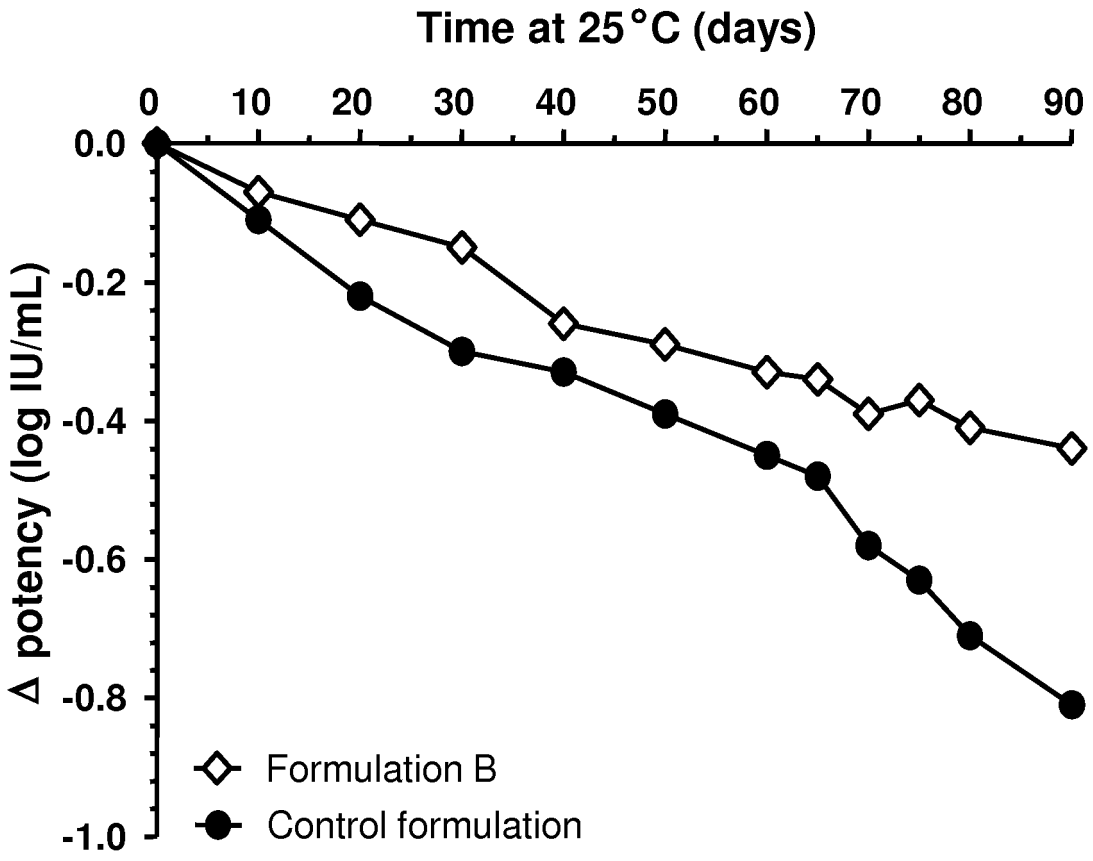

Time at 25°C (days)
0
10
20
30
40
50
60
70
80
90
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
Δ potency (log IU/mL)
Formulation B
Control formulation

Fig. 1

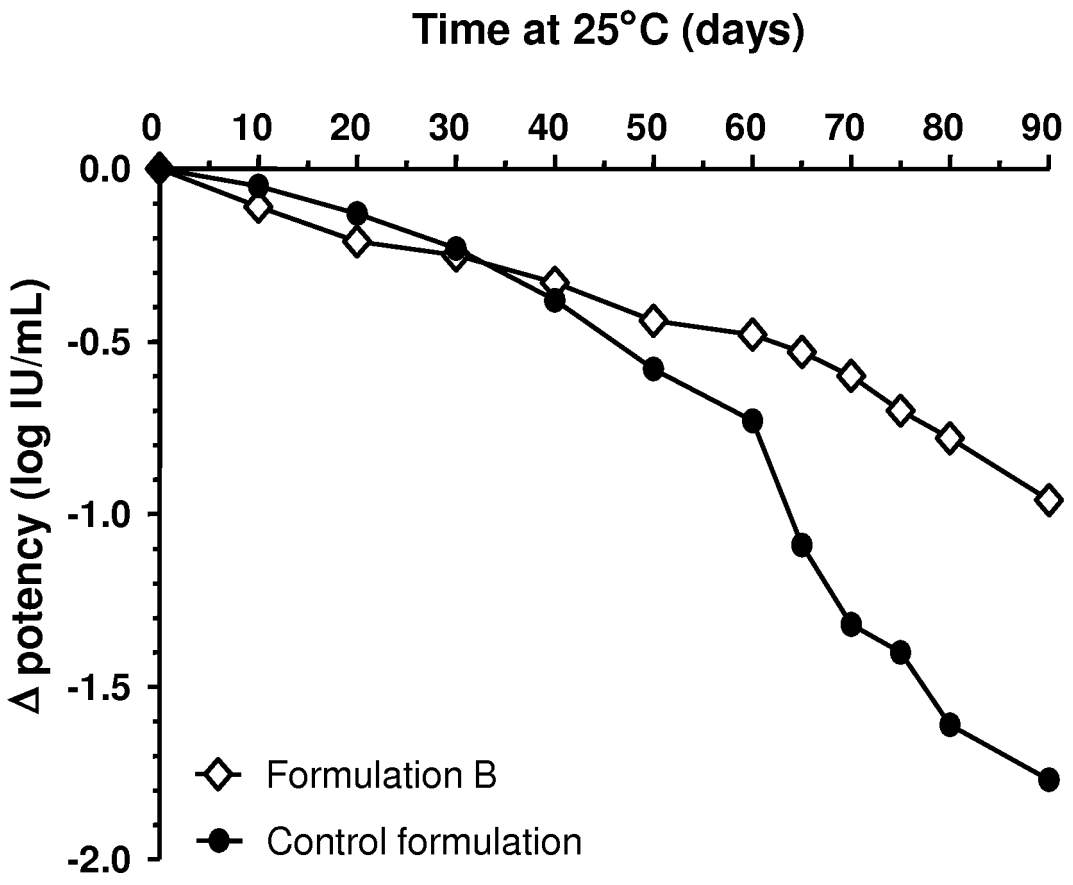

Time at 25°C (days)
0
10
20
30
40
50
60
70
80
90
0.0
-0.5
-1.0
-1.5
-2.0
Δ potency (log IU/mL)
Formulation B
Control formulation

Fig. 2

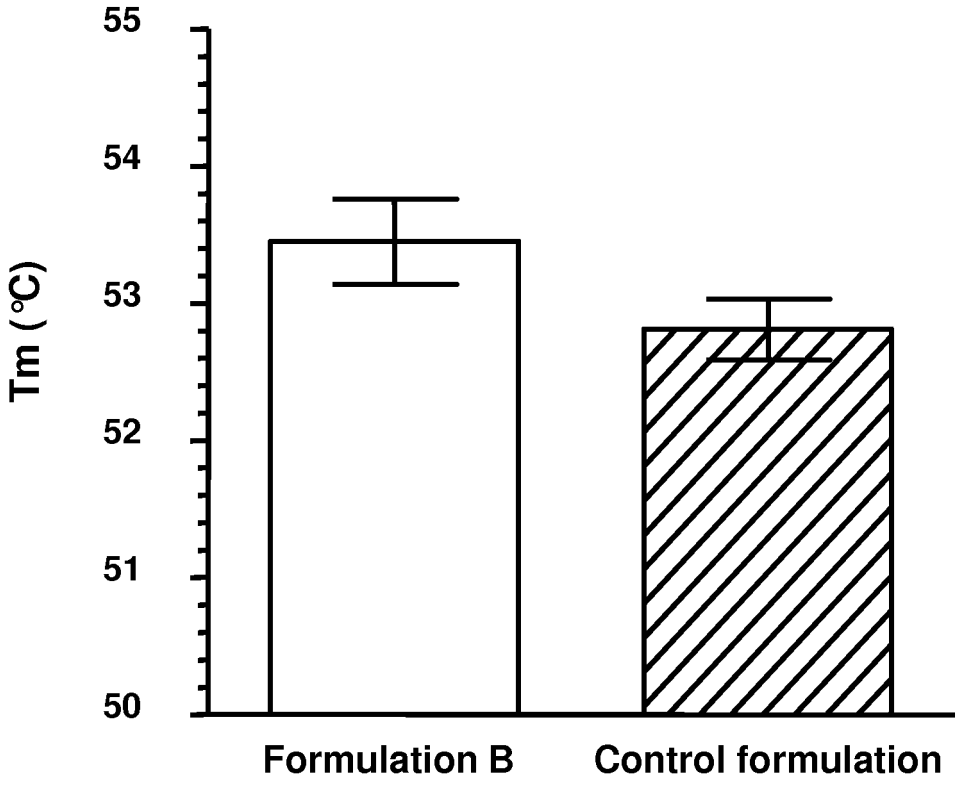


Fig. 3

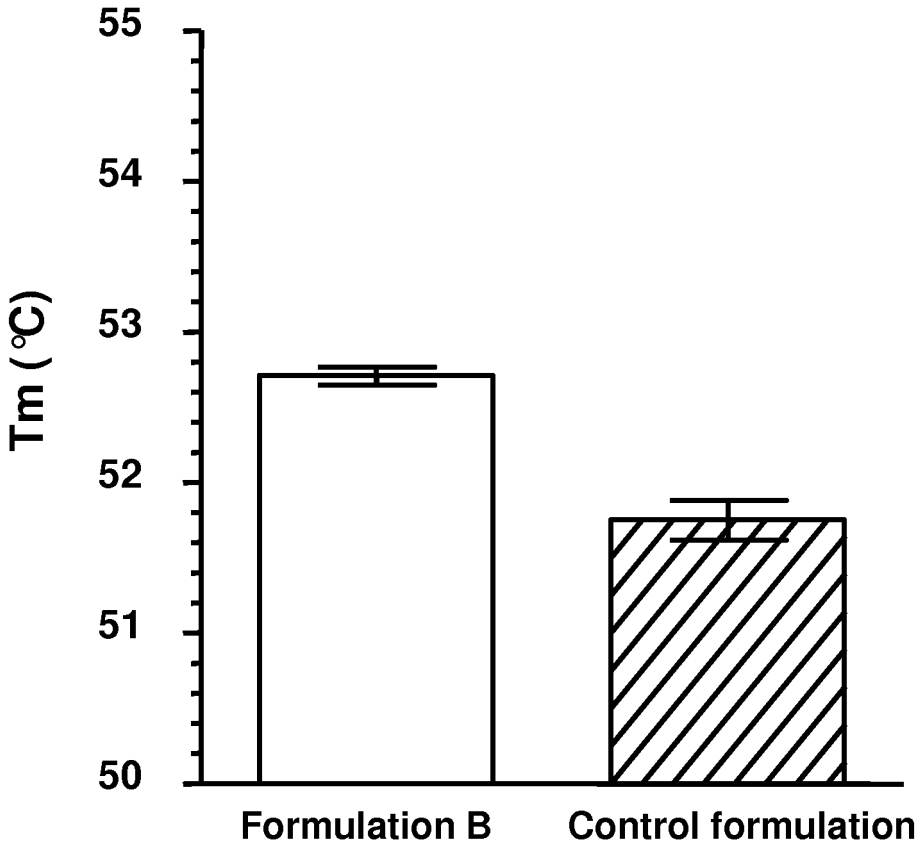


Fig. 4

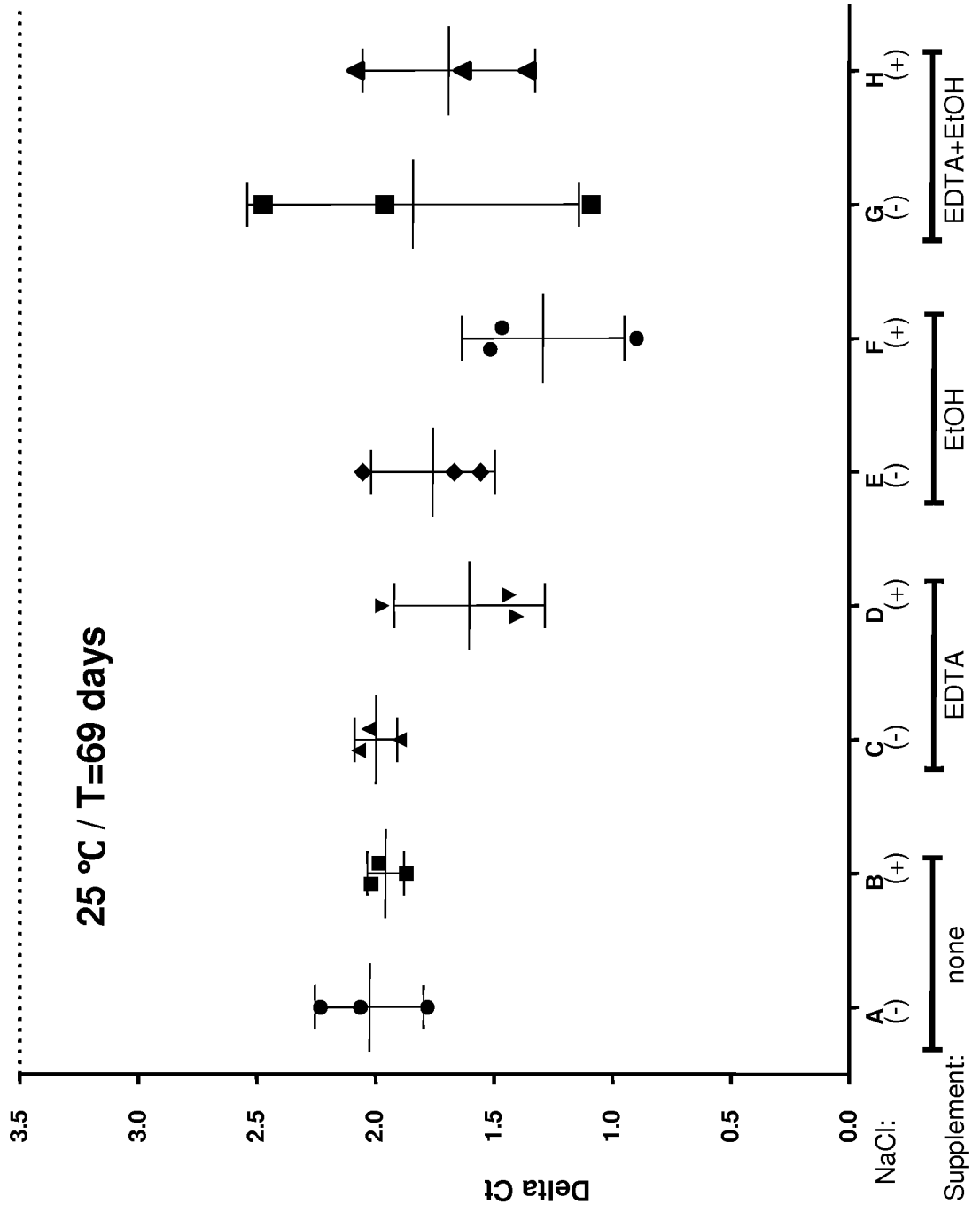

25 °C / T=69 days
Delta Ct
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
NaCl:
Supplement:
none
EDTA
EtOH
EDTA+EtOH
A (-)
B (+)
C (-)
D (+)
E (-)
F (+)
G (-)
H (+)

Fig. 5

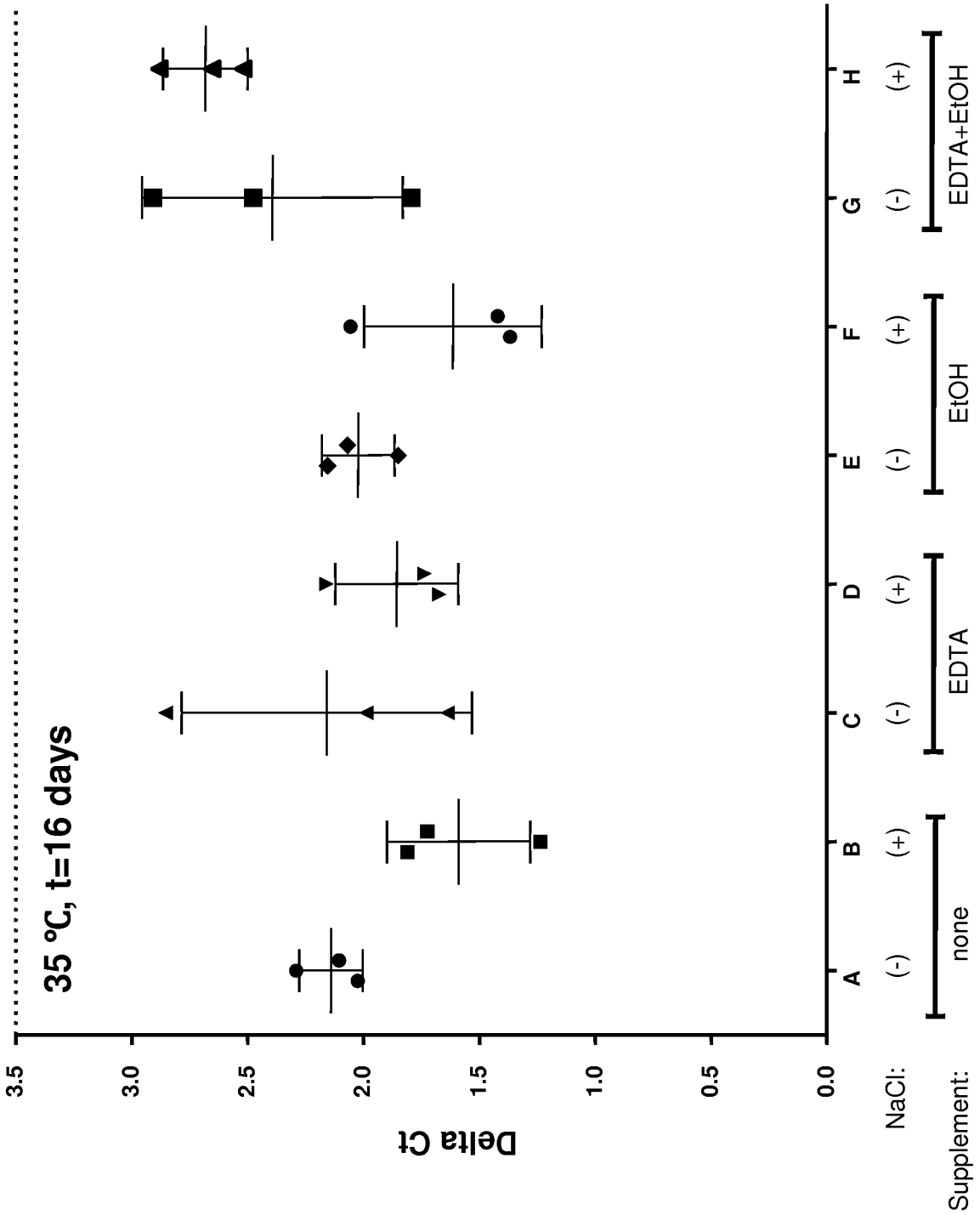

35 °C, t=16 days
Delta Ct
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
A
B
C
D
E
F
G
H
NaCl:
(-)
(+)
(-)
(+)
(-)
(+)
(-)
(+)
Supplement:
none
EDTA
EtOH
EDTA+EtOH

Fig. 6

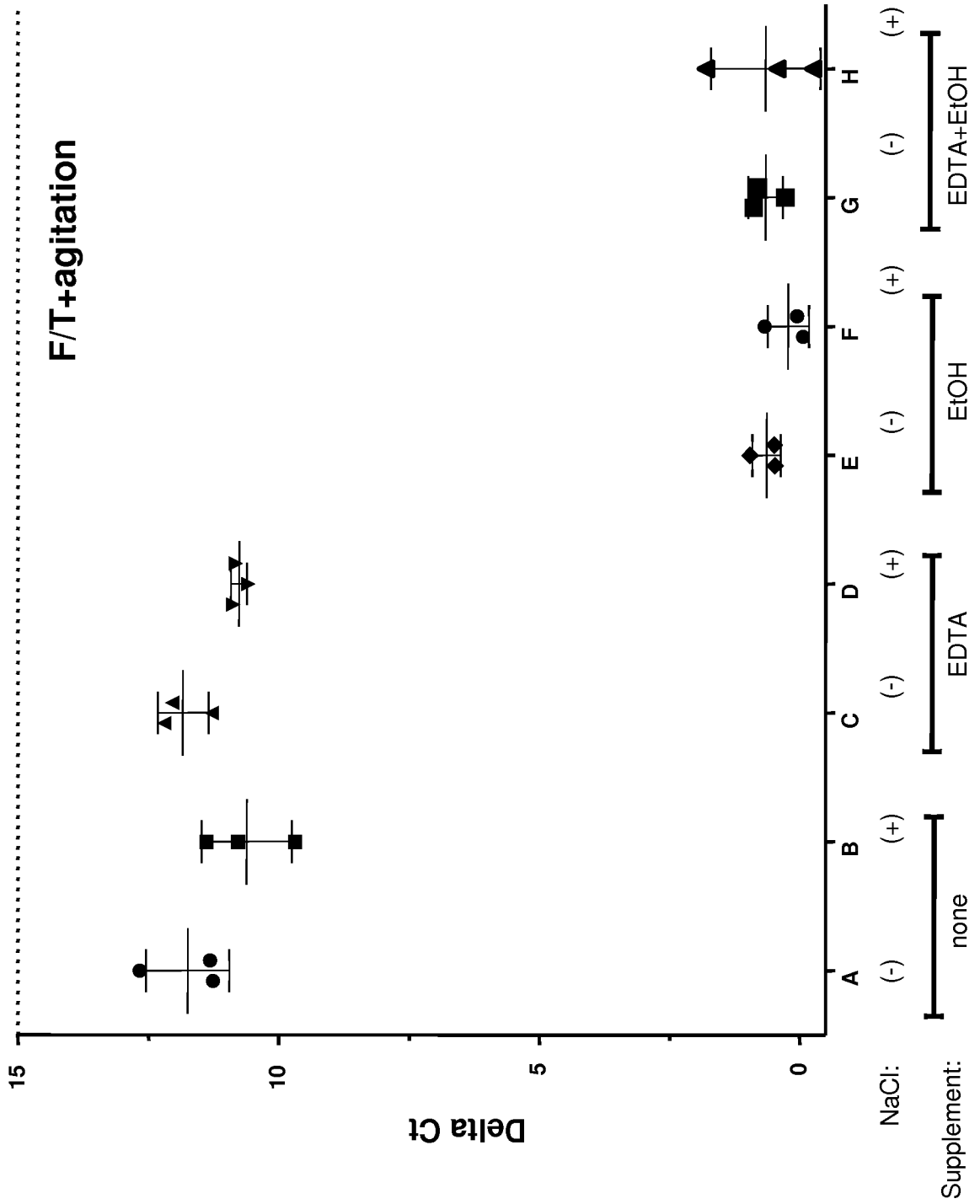

F/T+agitation
Delta Ct
15
10
5
0
A
B
C
D
E
F
G
H
NaCl:
(-)
(+)
(-)
(+)
(-)
(+)
(-)
(+)
Supplement:
none
EDTA
EtOH
EDTA+EtOH

Fig. 7

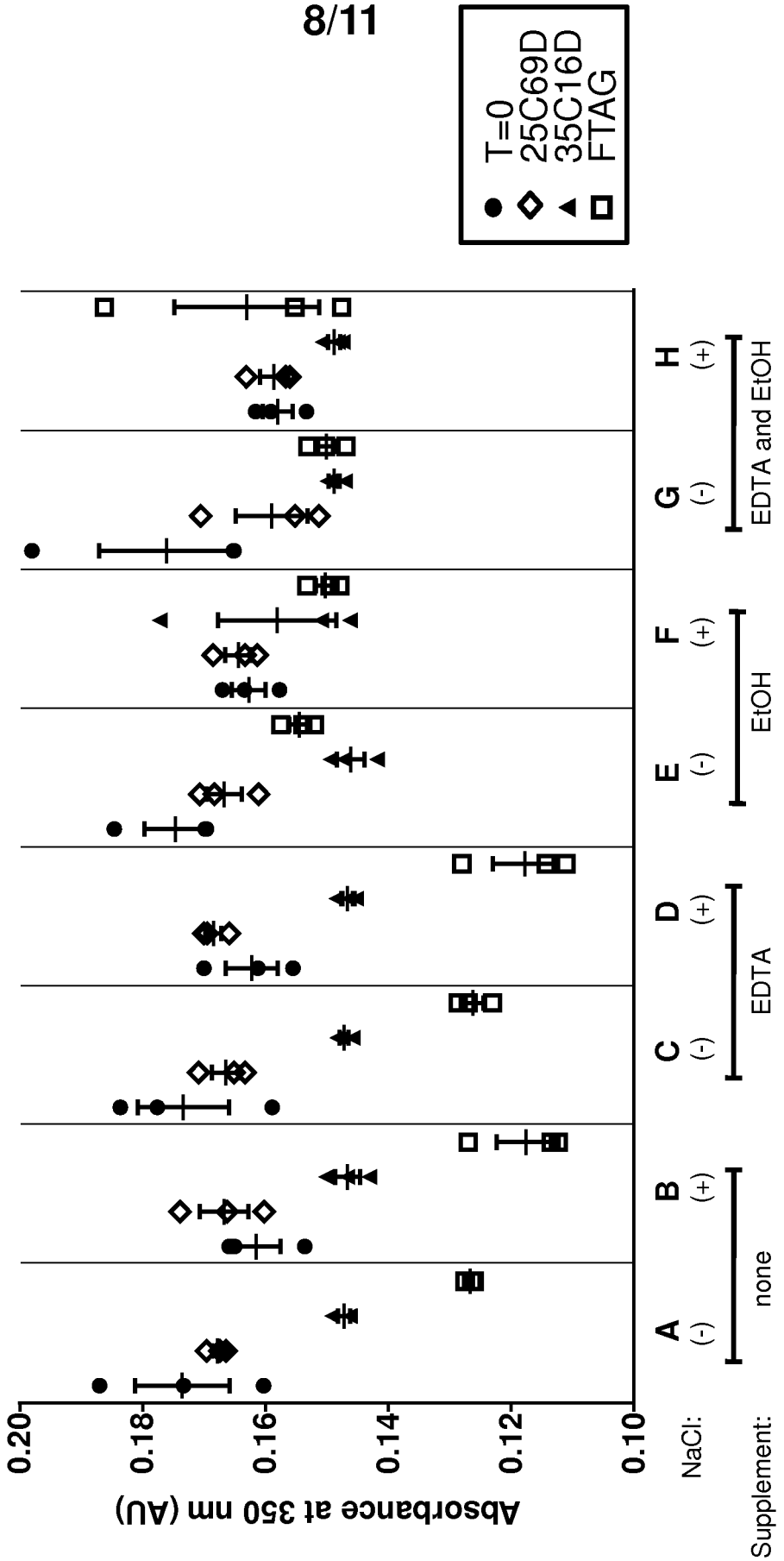

T=0
25C69D
35C16D
FTAG
Absorbance at 350 nm (AU)
0.20
0.18
0.16
0.14
0.12
0.10
NaCl:
Supplement:
A (-) none
B (+)
C (-) EDTA
D (+)
E (-) EtOH
F (+)
G (-) EDTA and EtOH
H (+)

Fig. 8

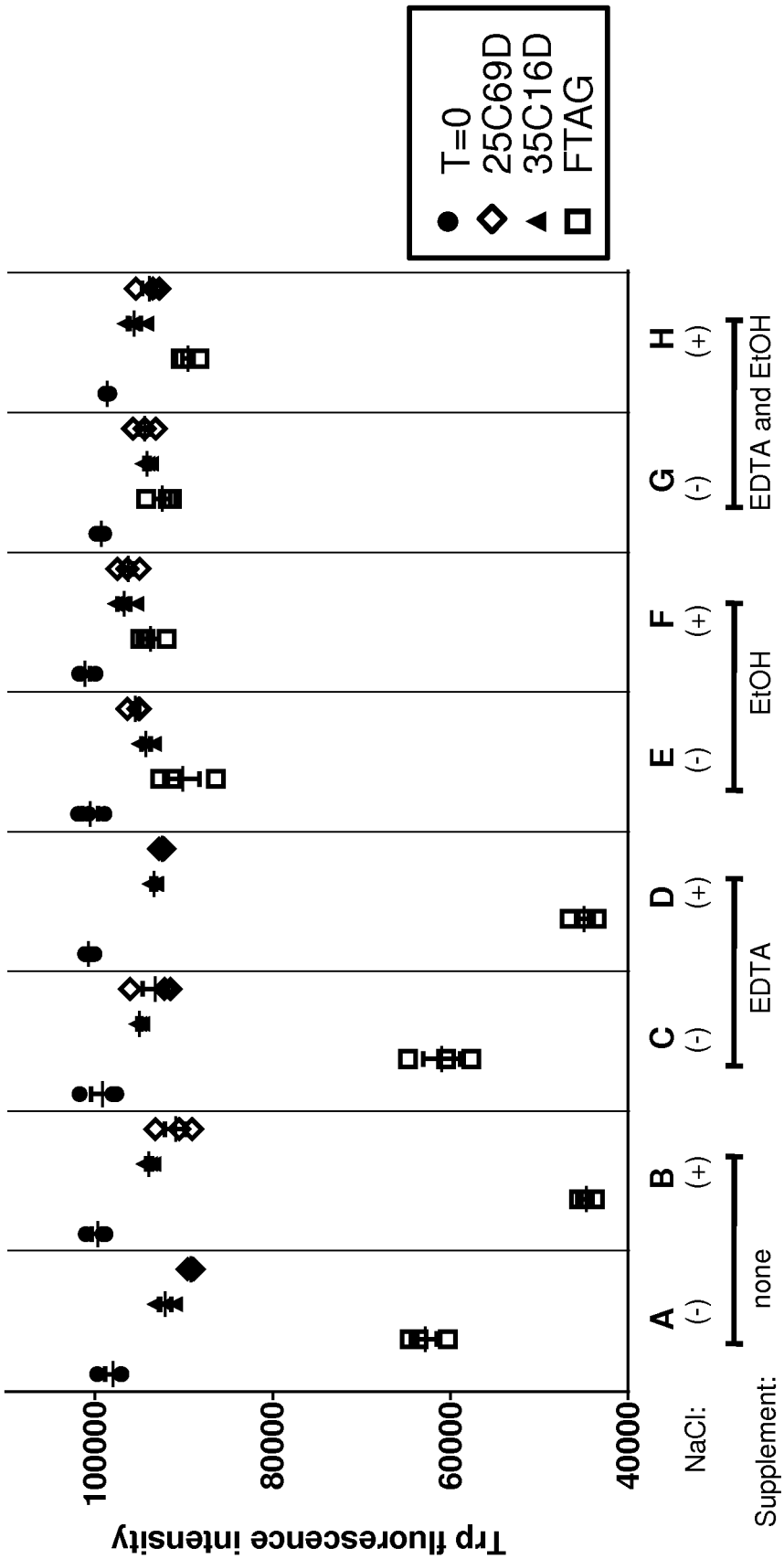

T=0
25C69D
35C16D
FTAG
Trp fluorescence intensity
100000
80000
60000
40000
NaCl:
Supplement:
A (-) none
B (+)
C (-) EDTA
D (+)
E (-) EtOH
F (+)
G (-) EDTA and EtOH
H (+)

Fig. 9

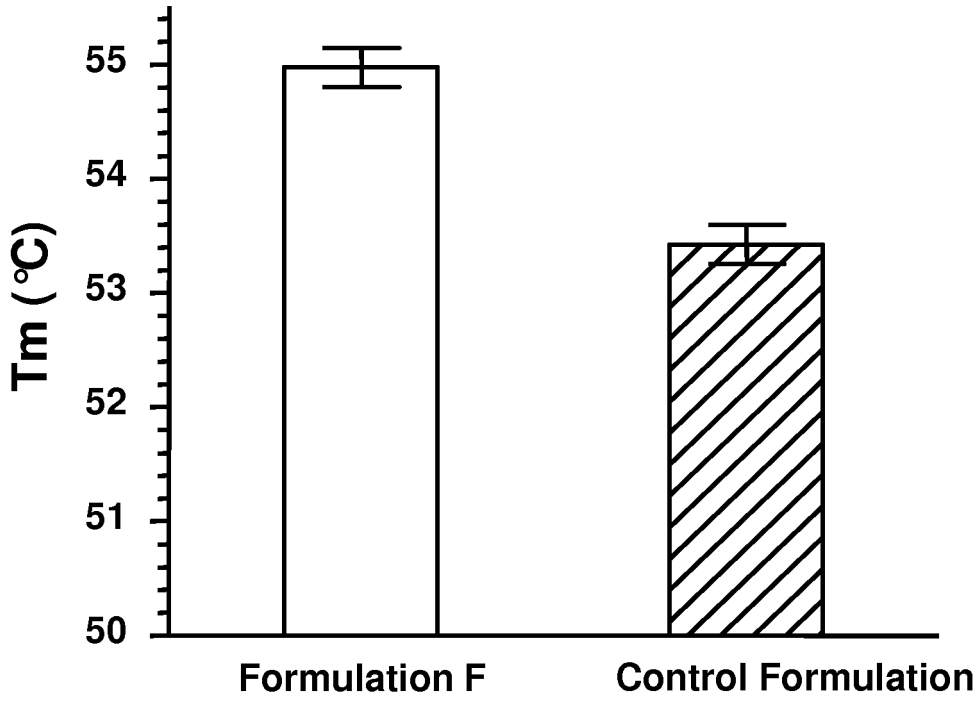


Fig. 10

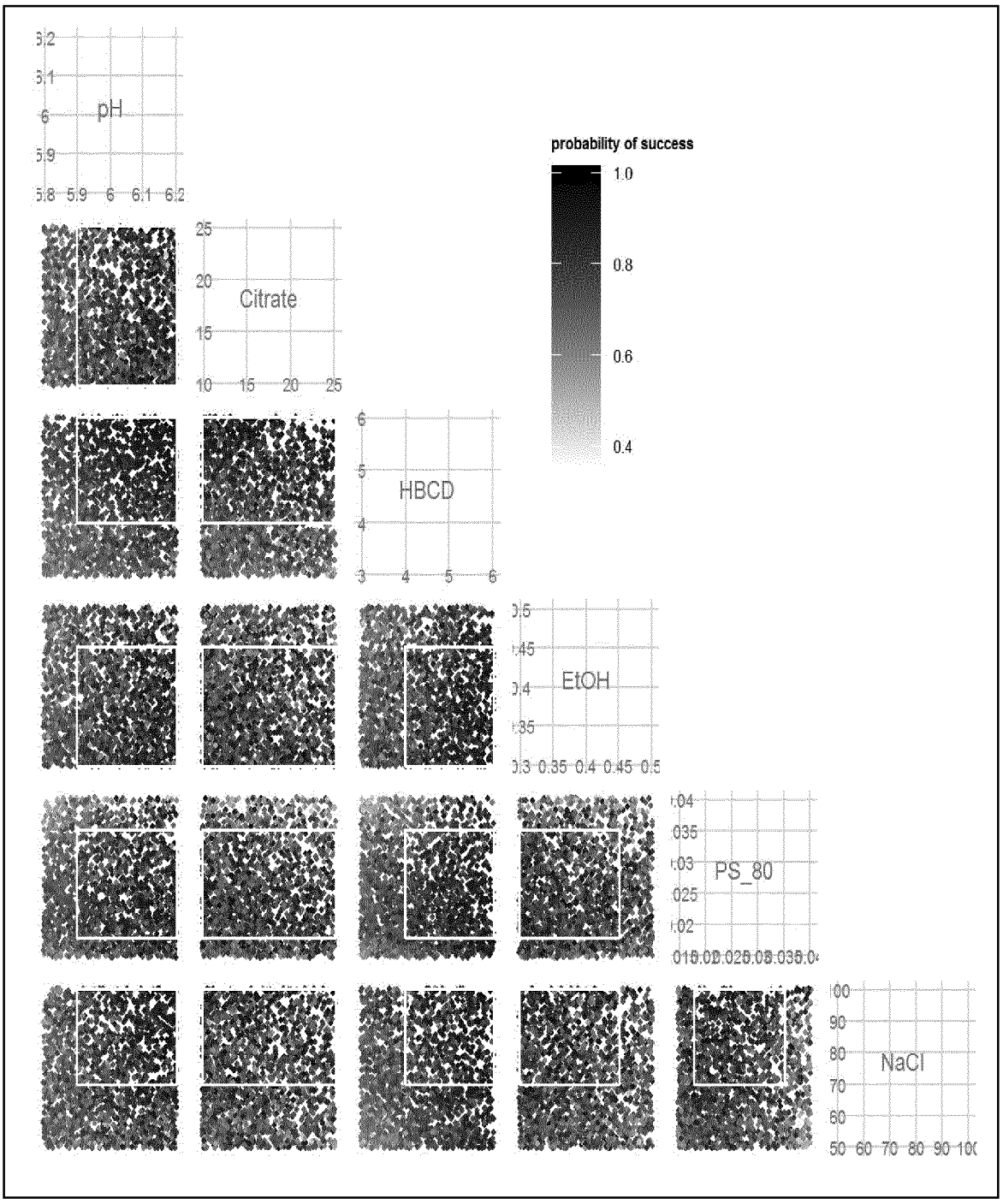

pH
Citrate
HBCD
EtOH
PS_80
NaCl
probability of success
1.0
0.8
0.6
0.4

Fig. 11