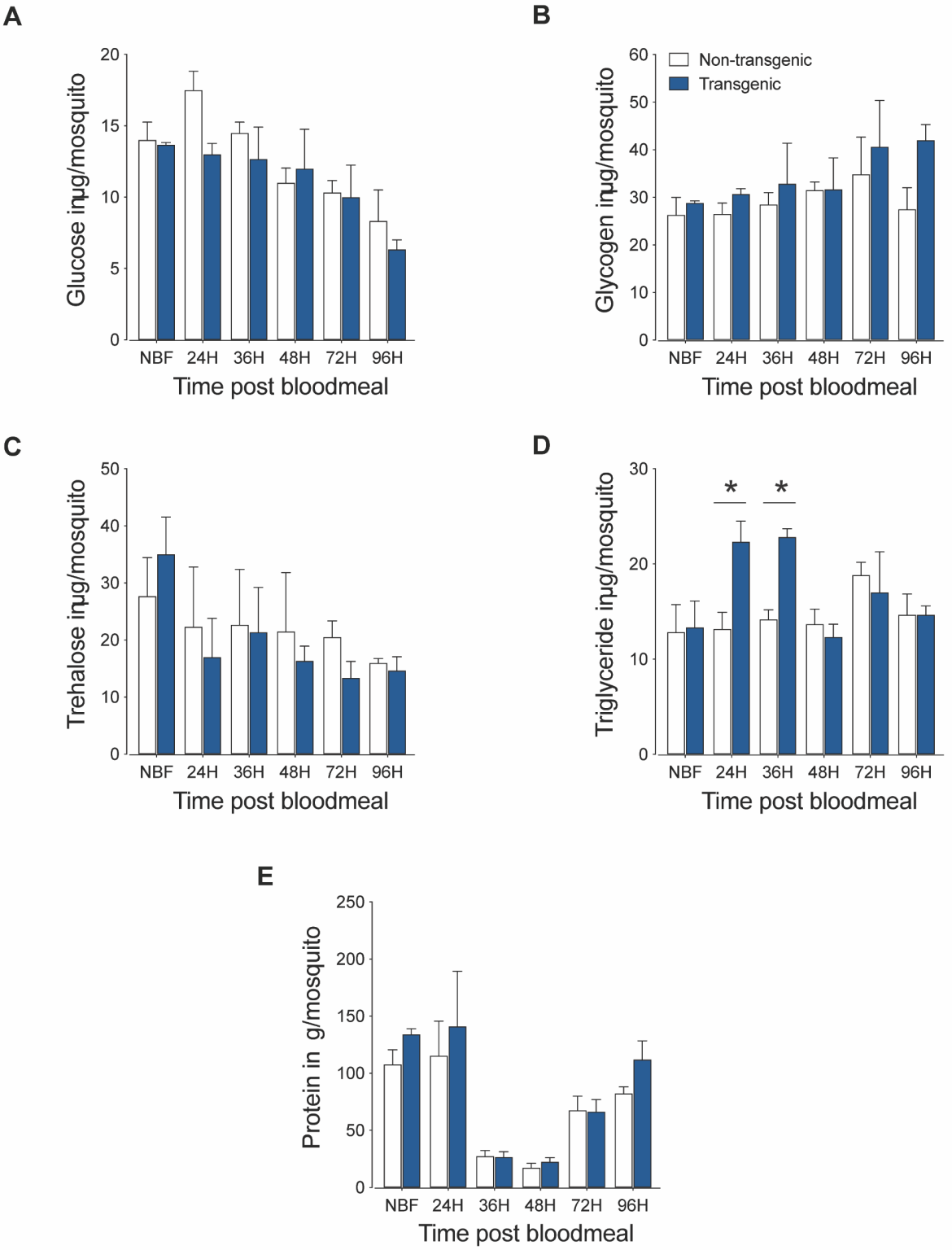
A
Glucose inµg/mosquito
20
15
10
5
0
NBF 24H 36H 48H 72H 96H
Time post bloodmeal
B
Non-transgenic
Transgenic
Glycogen inµg/mosquito
60
50
40
30
20
10
0
NBF 24H 36H 48H 72H 96H
Time post bloodmeal
C
Trehalose inµg/mosquito
50
40
30
20
10
0
NBF 24H 36H 48H 72H 96H
Time post bloodmeal
D
Triglyceride inµg/mosquito
30
20
10
0
*
*
NBF 24H 36H 48H 72H 96H
Time post bloodmeal
E
Protein in g/mosquito
250
200
150
100
50
0
NBF 24H 36H 48H 72H 96H
Time post bloodmeal

Figure 1S

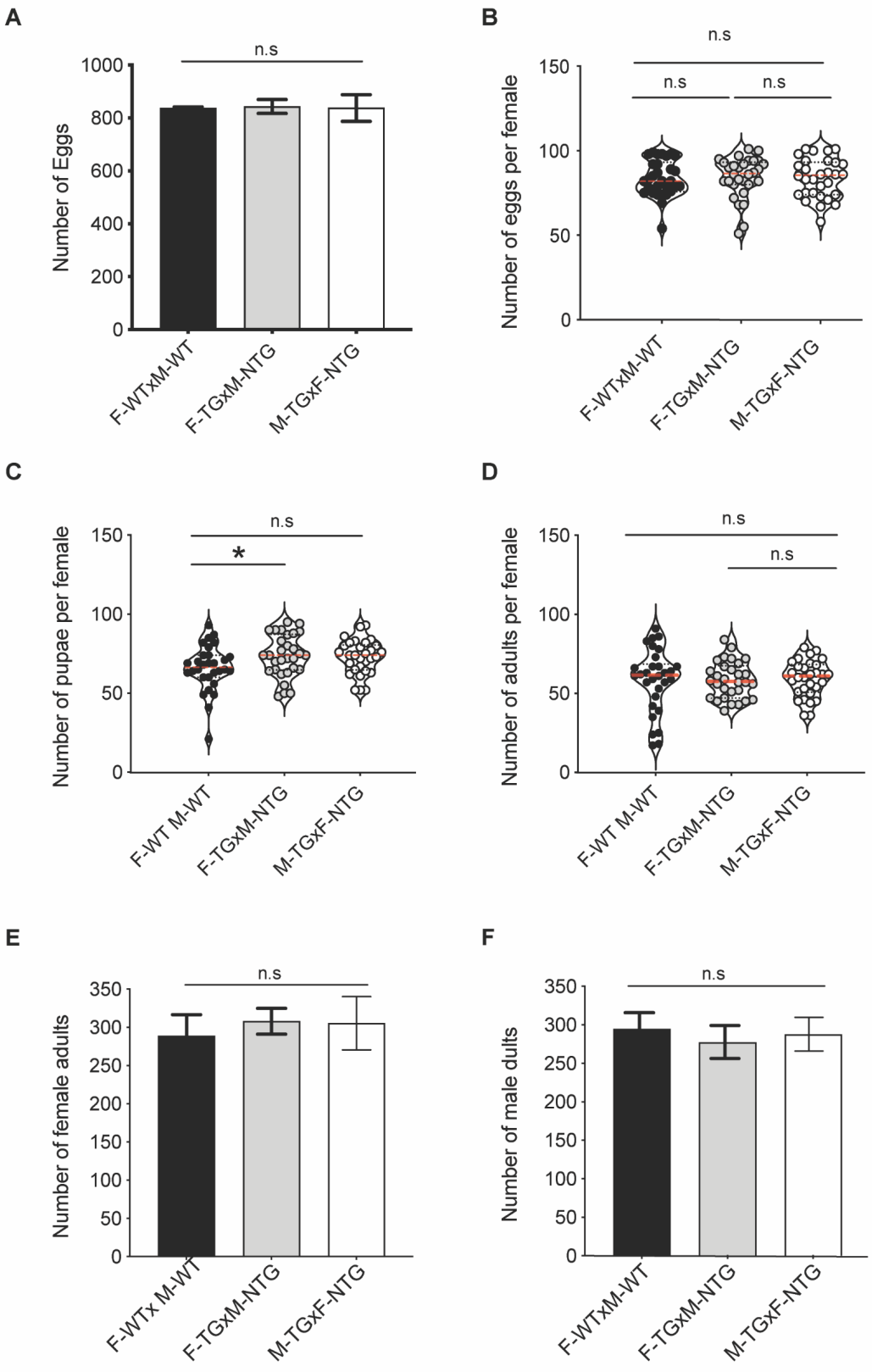
A
n.s
Number of Eggs
1000
800
600
400
200
0
F-WTxM-WT
F-TGxM-NTG
M-TGxF-NTG
B
n.s
n.s
n.s
Number of eggs per female
150
100
50
0
F-WTxM-WT
F-TGxM-NTG
M-TGxF-NTG
C
n.s
*
Number of pupae per female
150
100
50
0
F-WT M-WT
F-TGxM-NTG
M-TGxF-NTG
D
n.s
n.s
Number of adults per female
150
100
50
0
F-WT M-WT
F-TGxM-NTG
M-TGxF-NTG
E
n.s
Number of female adults
350
300
250
200
150
100
50
0
F-WTx M-WT
F-TGxM-NTG
M-TGxF-NTG
F
n.s
Number of male dults
350
300
250
200
150
100
50
0
F-WTxM-WT
F-TGxM-NTG
M-TGxF-NTG

Figure 2S

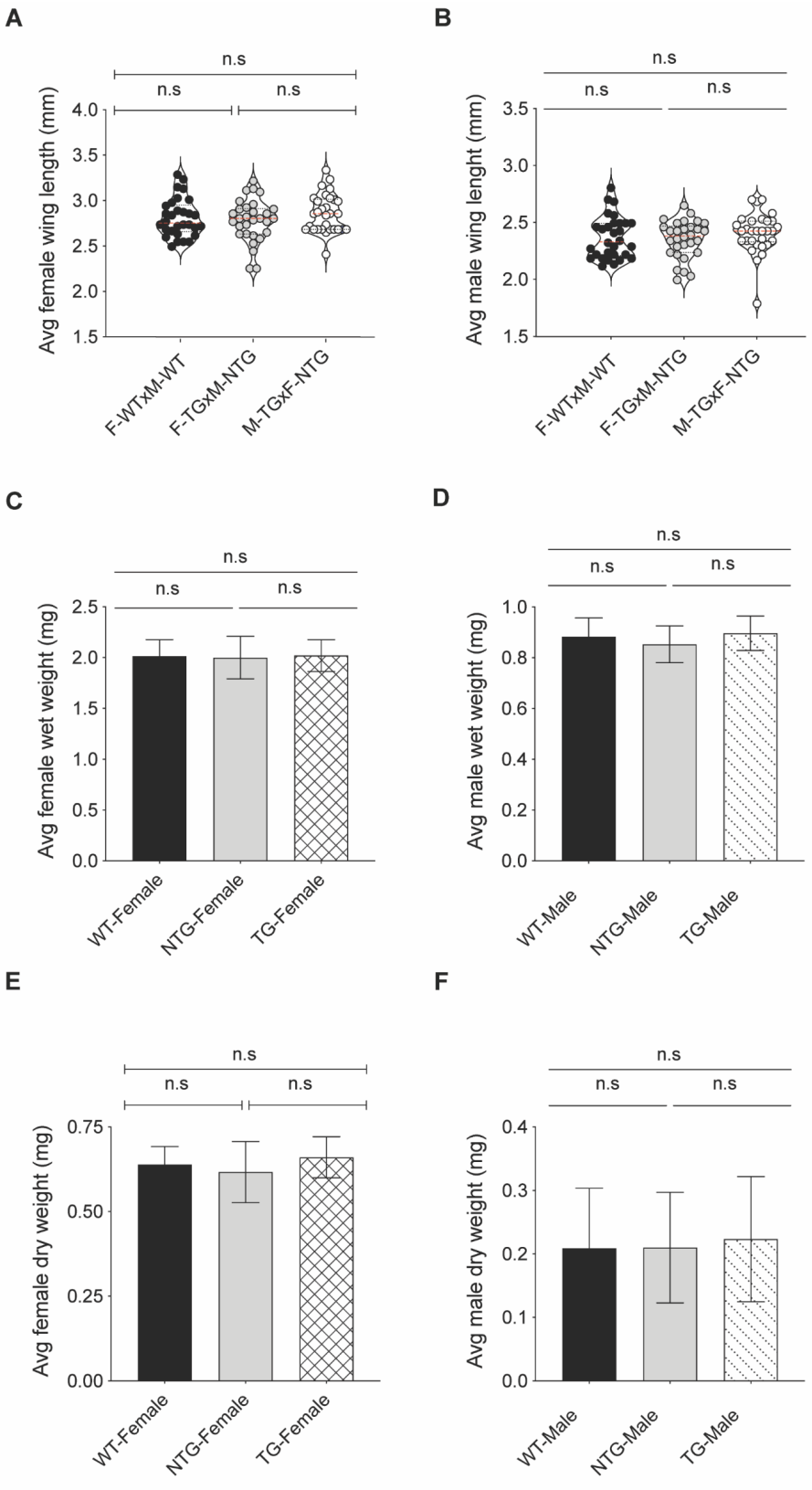
A
n.s
n.s
n.s
Avg female wing length (mm)
4.0
3.5
3.0
2.5
2.0
1.5
F-WTxM-WT
F-TGxM-NTG
M-TGxF-NTG
B
n.s
n.s
n.s
Avg male wing lenght (mm)
3.5
3.0
2.5
2.0
1.5
F-WTxM-WT
F-TGxM-NTG
M-TGxF-NTG
C
n.s
n.s
n.s
Avg female wet weight (mg)
2.5
2.0
1.5
1.0
0.5
0.0
WT-Female
NTG-Female
TG-Female
D
n.s
n.s
n.s
Avg male wet weight (mg)
1.0
0.8
0.6
0.4
0.2
0.0
WT-Male
NTG-Male
TG-Male
E
n.s
n.s
n.s
Avg female dry weight (mg)
0.75
0.50
0.25
0.00
WT-Female
NTG-Female
TG-Female
F
n.s
n.s
n.s
Avg male dry weight (mg)
0.4
0.3
0.2
0.1
0.0
WT-Male
NTG-Male
TG-Male

Figure 3S

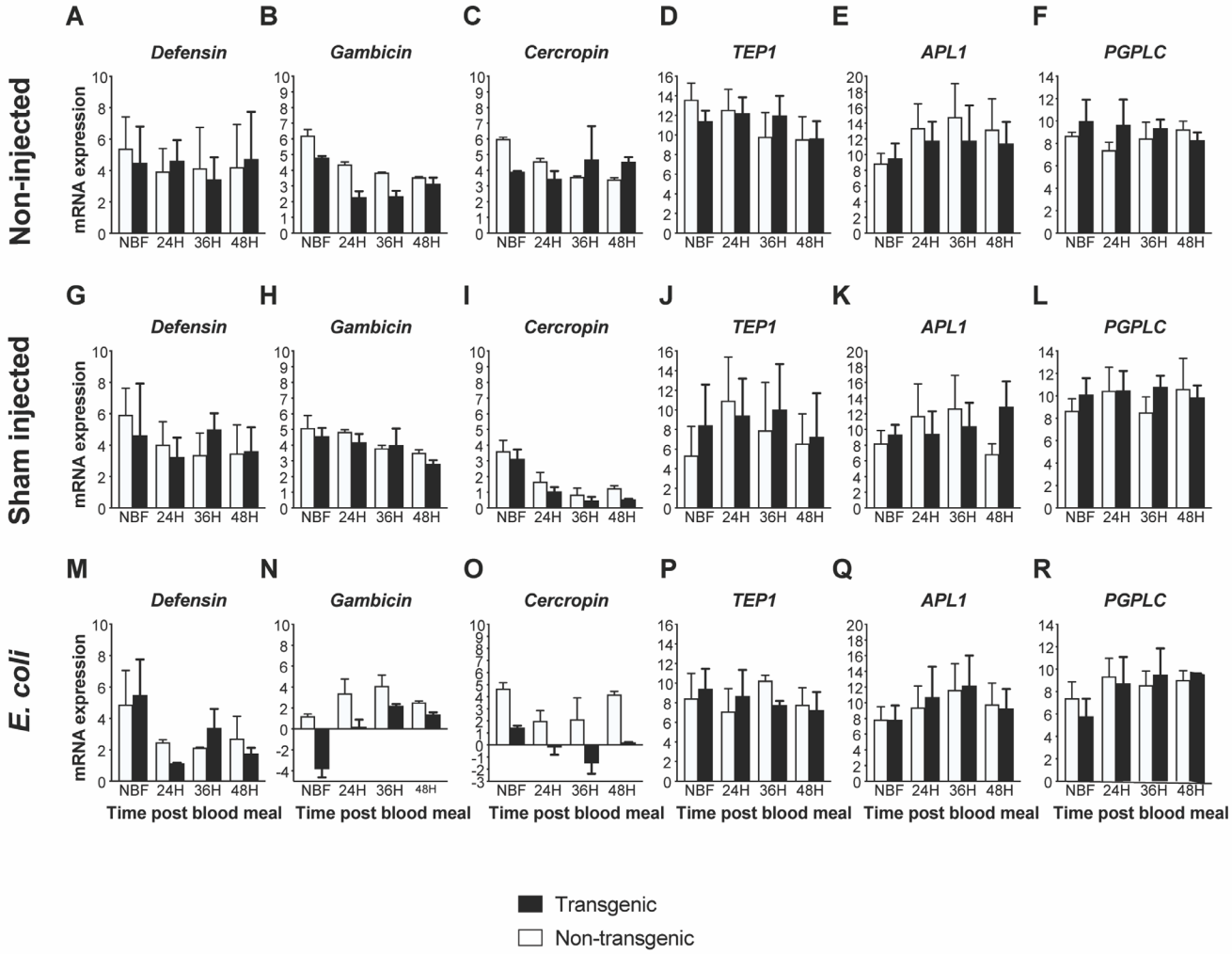
A
B
C
D
E
F
Defensin
Gambicin
Cercropin
TEP1
APL1
PGPLC
Non-injected
mRNA expression
NBF 24H 36H 48H
G
H
I
J
K
L
Sham injected
M
N
O
P
Q
R
E. coli
Time post blood meal
Transgenic
Non-transgenic

Figure 4S

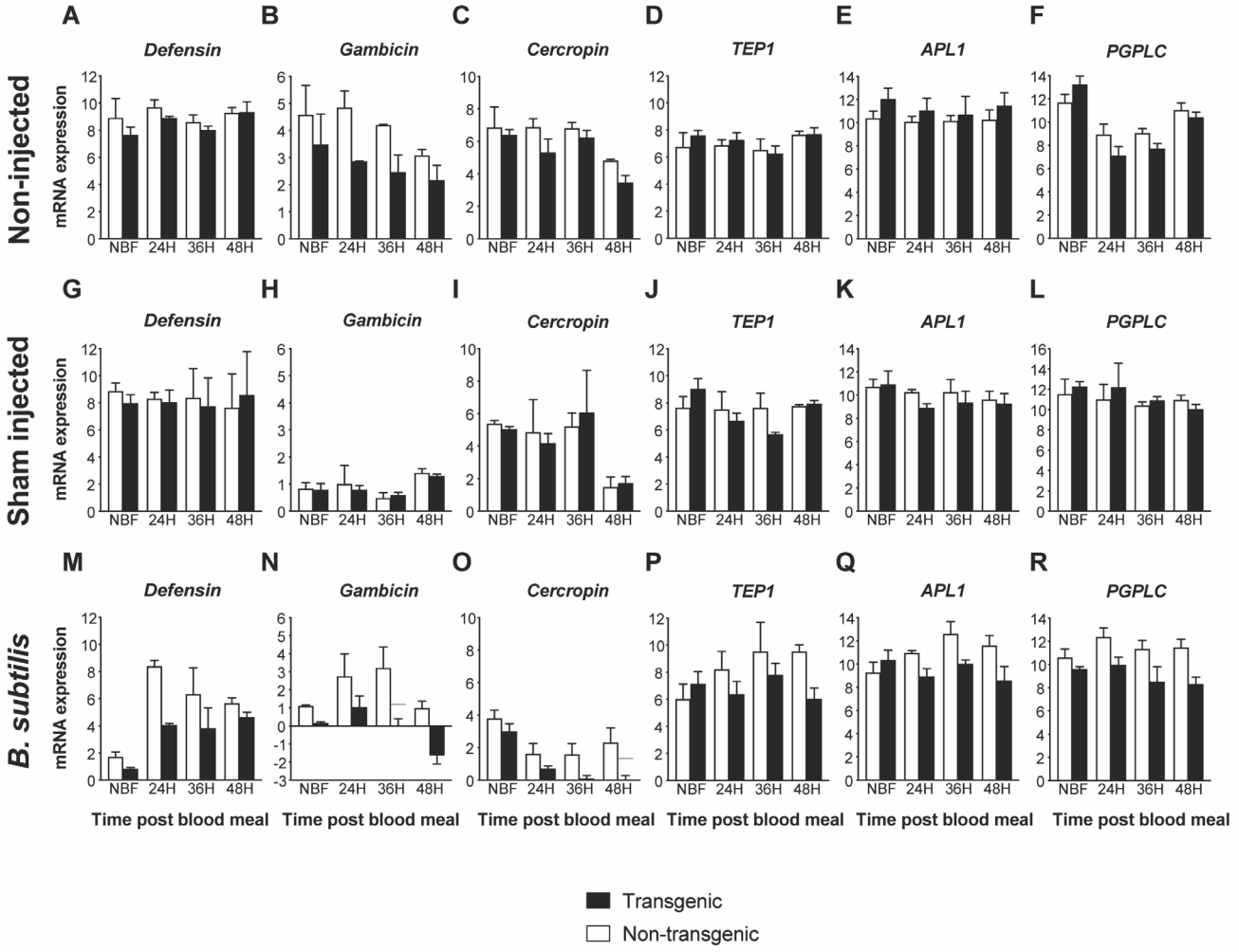
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
Defensin
Gambicin
Cercropin
TEP1
APL1
PGPLC
Non-injected
Sham injected
B. subtilis
mRNA expression
NBF
24H
36H
48H
Time post blood meal
Transgenic
Non-transgenic

Figure 5S

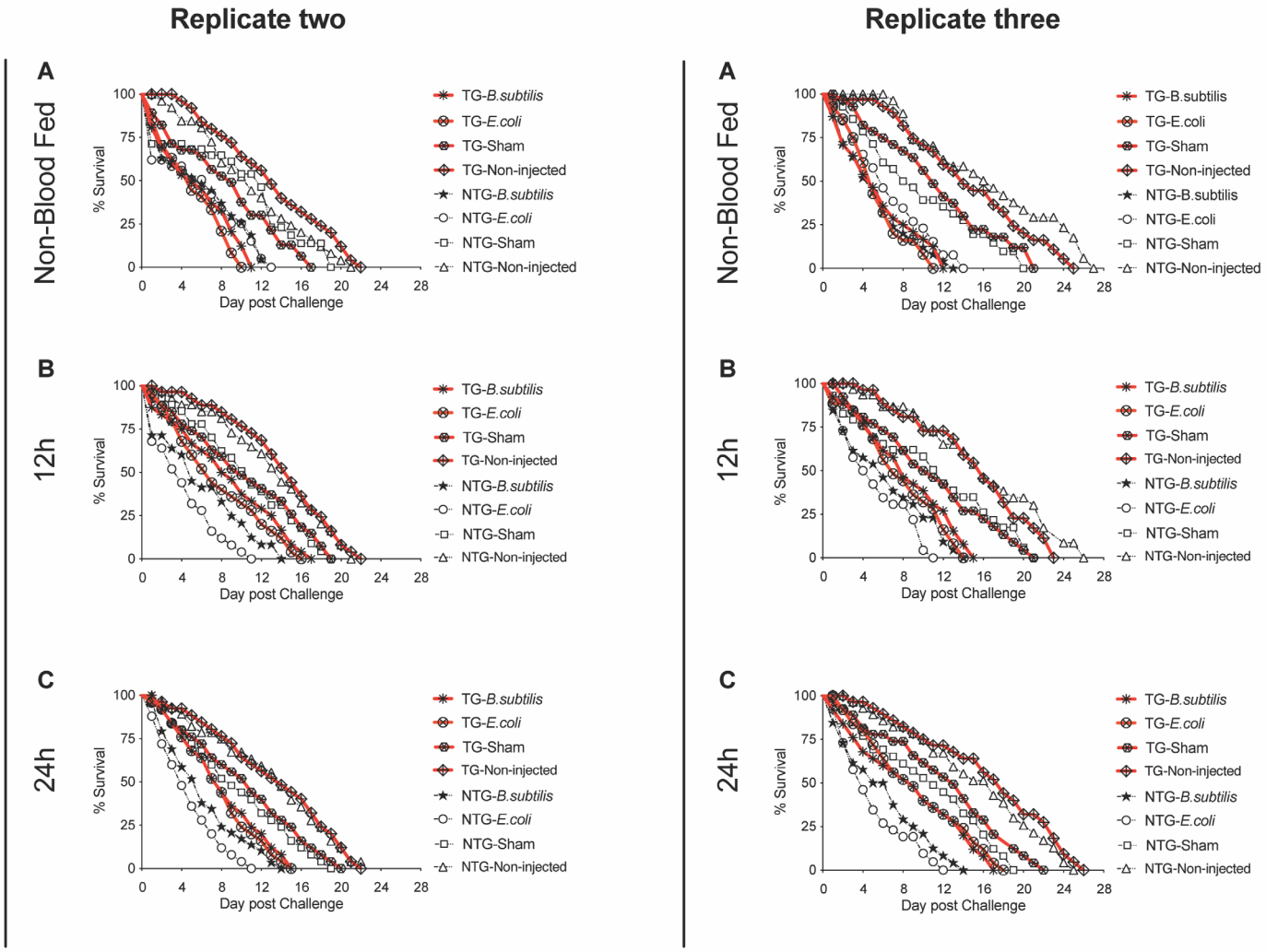
Replicate two
Replicate three
A
Non-Blood Fed
B
12h
C
24h
% Survival
Day post Challenge
TG-B.subtilis
TG-E.coli
TG-Sham
TG-Non-injected
NTG-B.subtilis
NTG-E.coli
NTG-Sham
NTG-Non-injected
TG-B.subtilis
TG-E.coli
TG-Sham
TG-Non-injected
NTG-B.subtilis
NTG-E.coli
NTG-Sham
NTG-Non-injected

Figure 6S