Figure 1

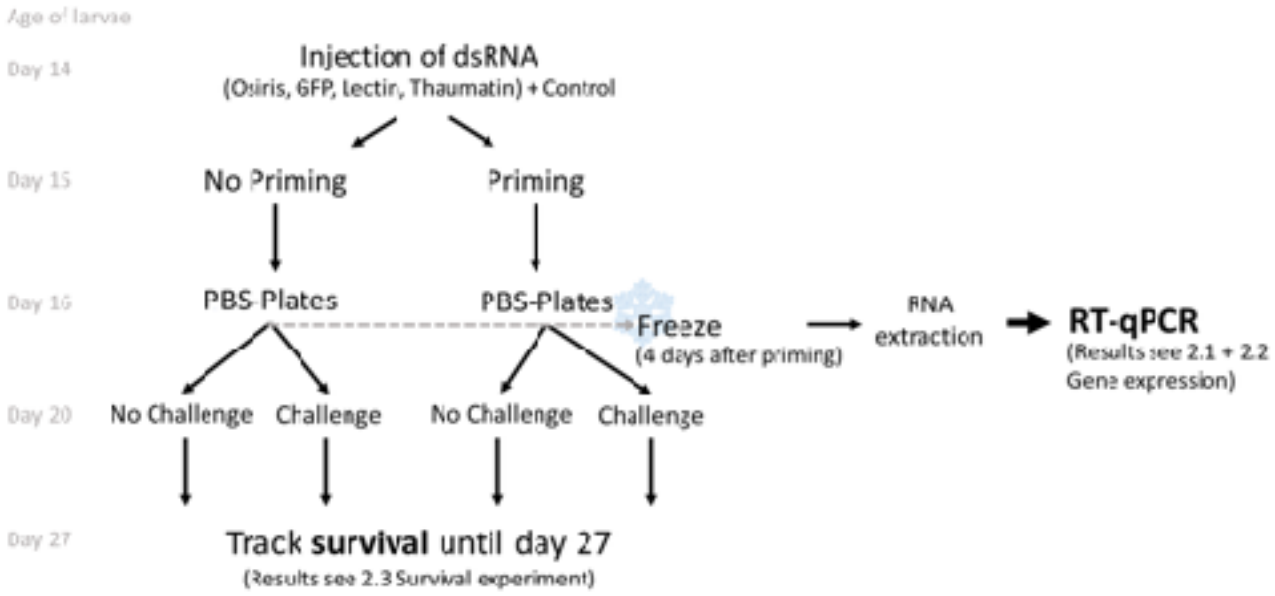
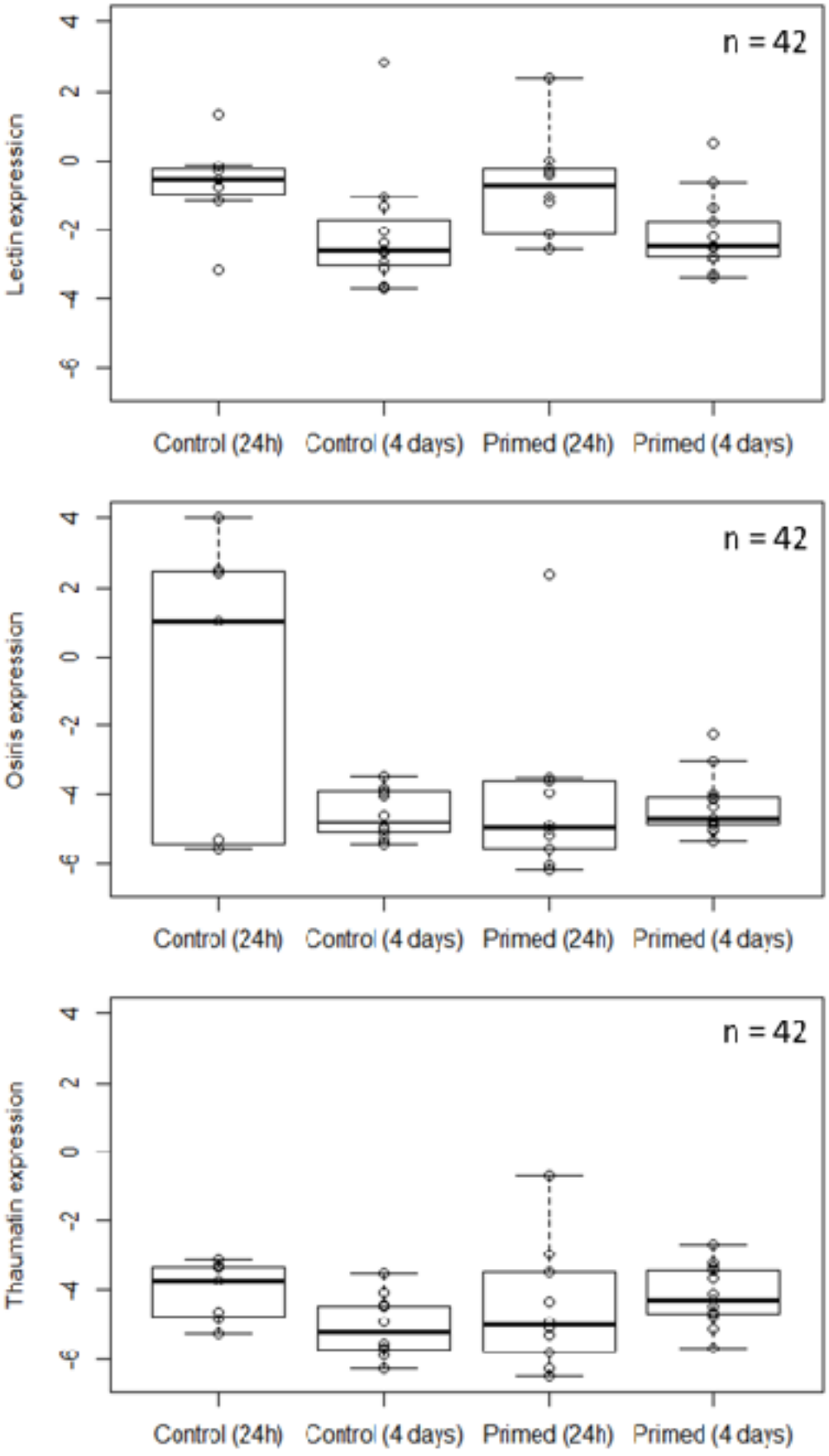

Age of larvae
Day 14
Injection of dsRNA
(Osiris, GFP, Lectin, Thaumatin) + Control
Day 15
No Priming
Priming
Day 16
PBS-Plates
PBS-Plates
Freeze
(4 days after priming)
RNA
extraction
RT-qPCR
(Results see 2.1 + 2.2
Gene expression)
Day 20
No Challenge
Challenge
No Challenge
Challenge
Day 27
Track survival until day 27
(Results see 2.3 Survival experiment)

Figure 2

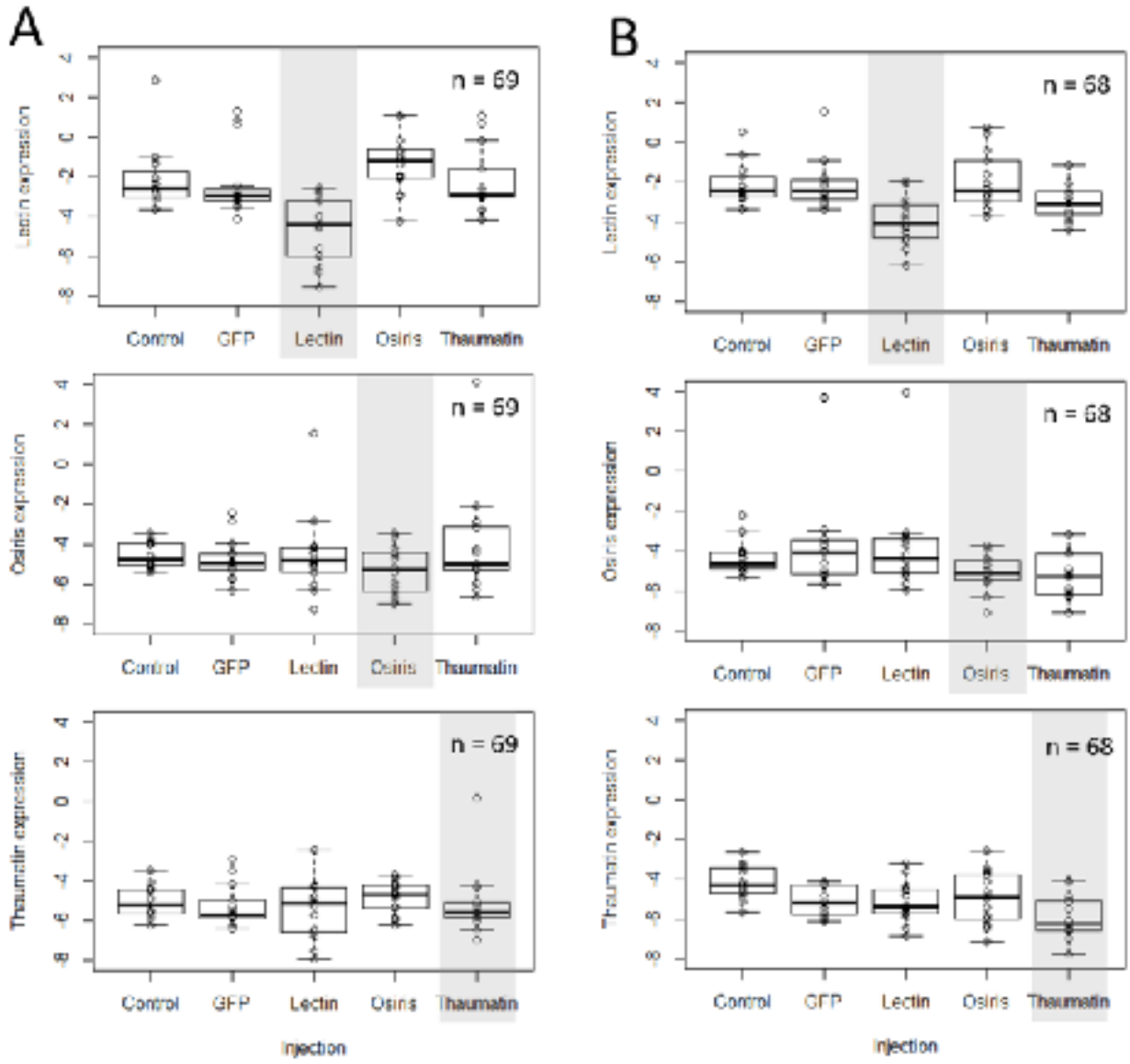

Lectin expression
n = 42
4
2
0
-2
-4
-6
Control (24h)
Control (4 days)
Primed (24h)
Primed (4 days)
Osiris expression
n = 42
4
2
0
-2
-4
-6
Control (24h)
Control (4 days)
Primed (24h)
Primed (4 days)
Thaumatin expression
n = 42
4
2
0
-2
-4
-6
Control (24h)
Control (4 days)
Primed (24h)
Primed (4 days)

Lecdr expression
4
2
0
-2
-4
-6
Control (24h)
Control (4 days)
Primed (24h)
Primed (4 days)

Osirls expressio
4
2
0
-2
-4
-6
Control (24h)
Control (4 days)
Primed (24h)
Primed (4 days)

Thajmadr expression
4
2
0
-2
-4
-6
Control (24h)
Control (4 days)
Primed (24h)
Primed (4 days)

Figure 3


A
B
n = 69
n = 68
Lectin expression
Osiris expression
Thaumatin expression
Control
GFP
Lectin
Osiris
Thaumatin
Injection

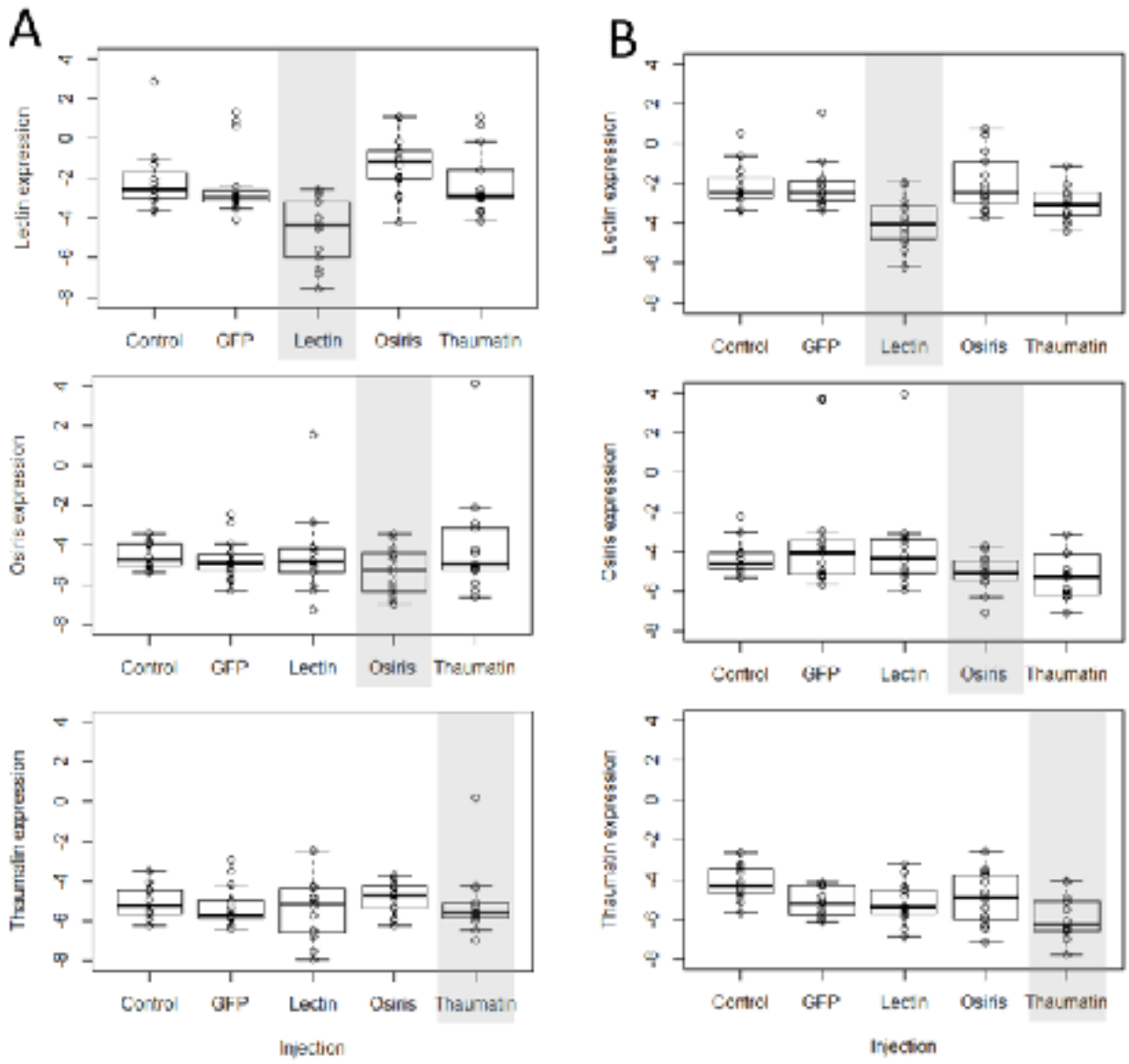
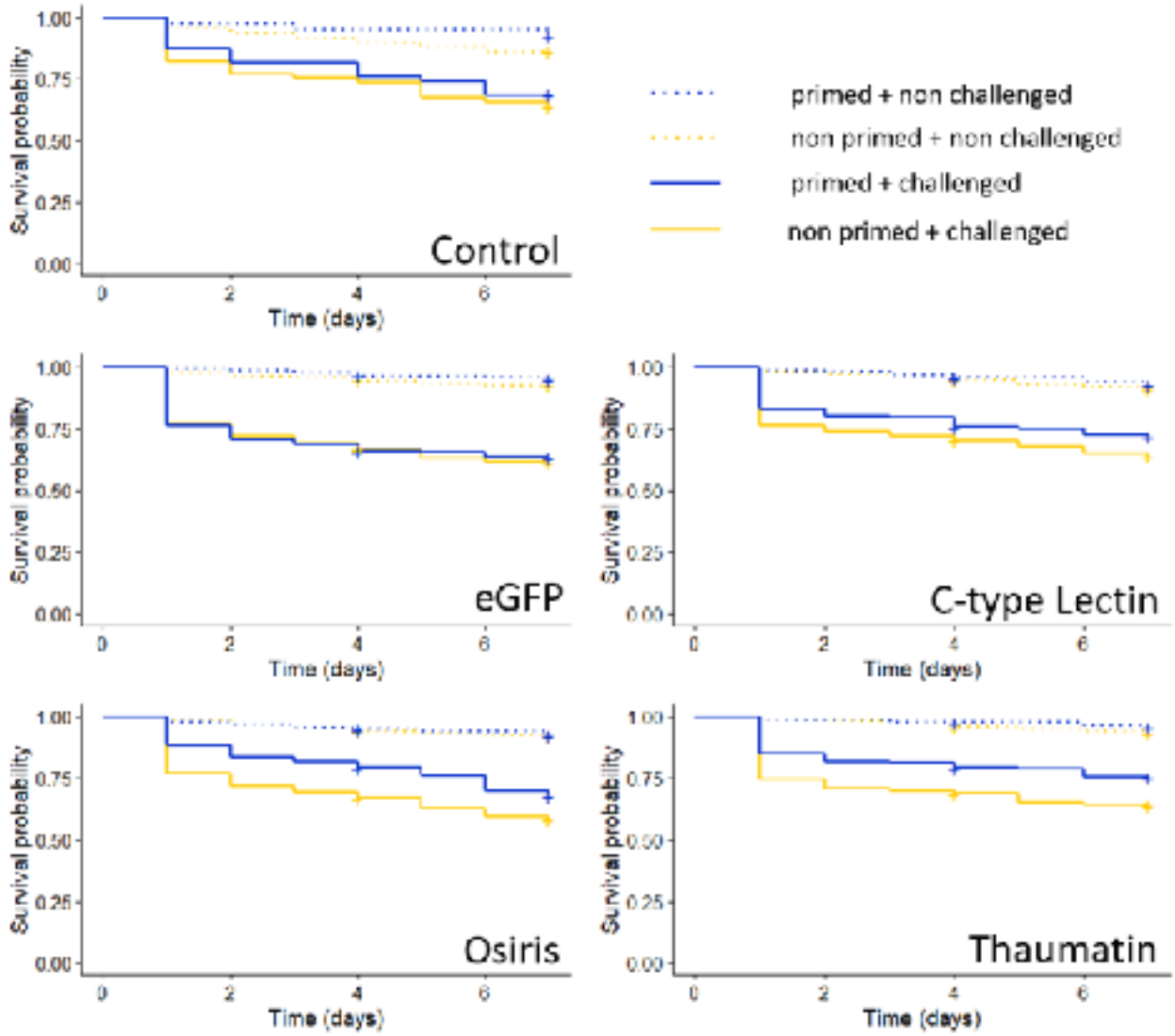

A
B
Lectin expression
Osiris expression
Thaumatin expression
Control
GFP
Lectin
Osiris
Thaumatin
Injection

Figure 4


primed + non challenged
non primed + non challenged
primed + challenged
non primed + challenged
Survival probability
Time (days)
Control
eGFP
C-type Lectin
Osiris
Thaumatin