

# Report: Testing hybrid vigor in the lab in response to *Eimeria*

*Alice*

*25 July 2018*

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2. Parasite shedding . . . . .	19

# Expe\_001, March 2017, Francisca's experiment. infection with E64 and Eflab

## 1. Weight loss

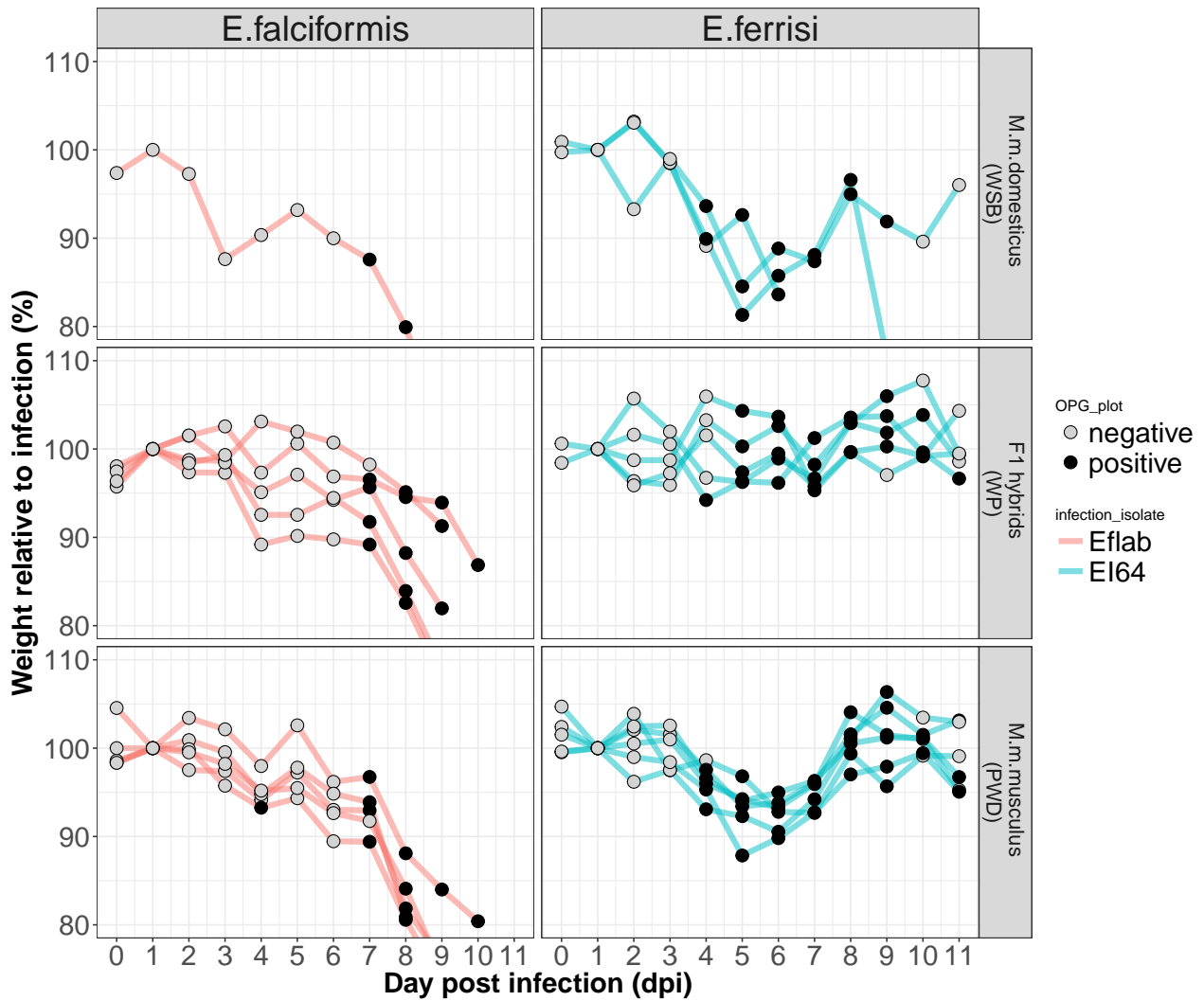


Figure 1: Weight along the infection experiment

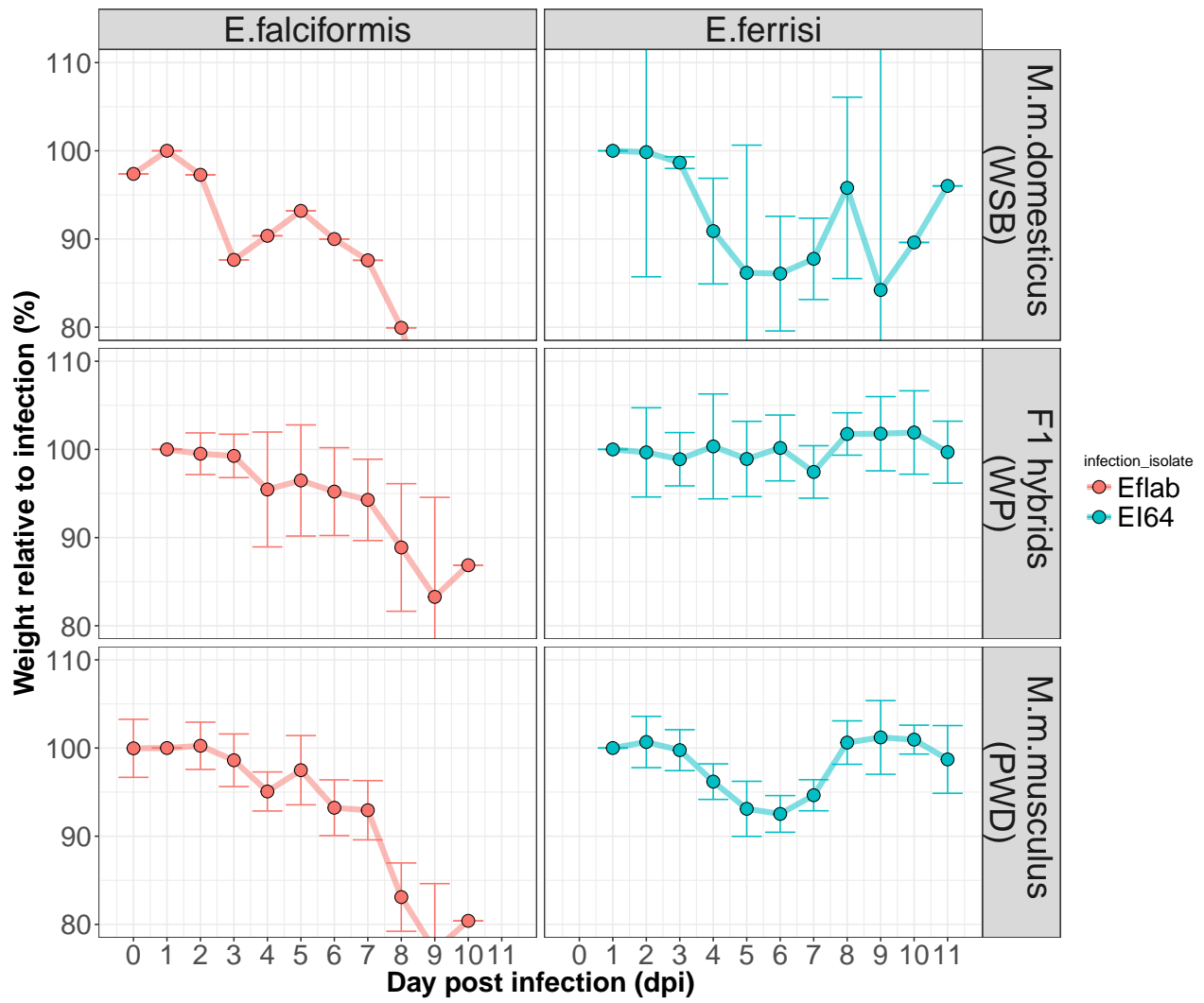


Figure 2: Weight along the infection experiment, mean and 95% CI

## 2. Parasite shedding

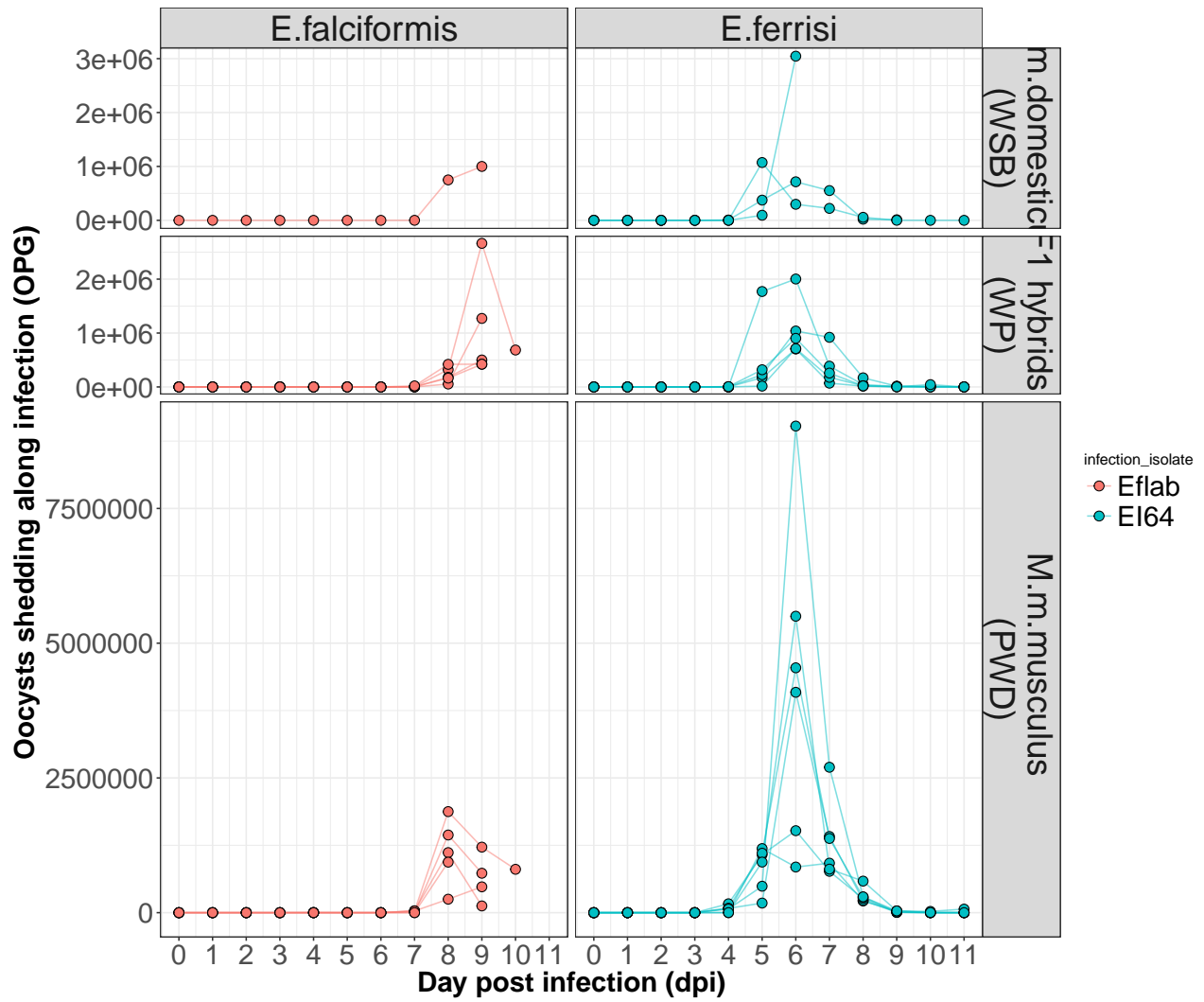


Figure 3: Oocysts shedding along the infection experiment

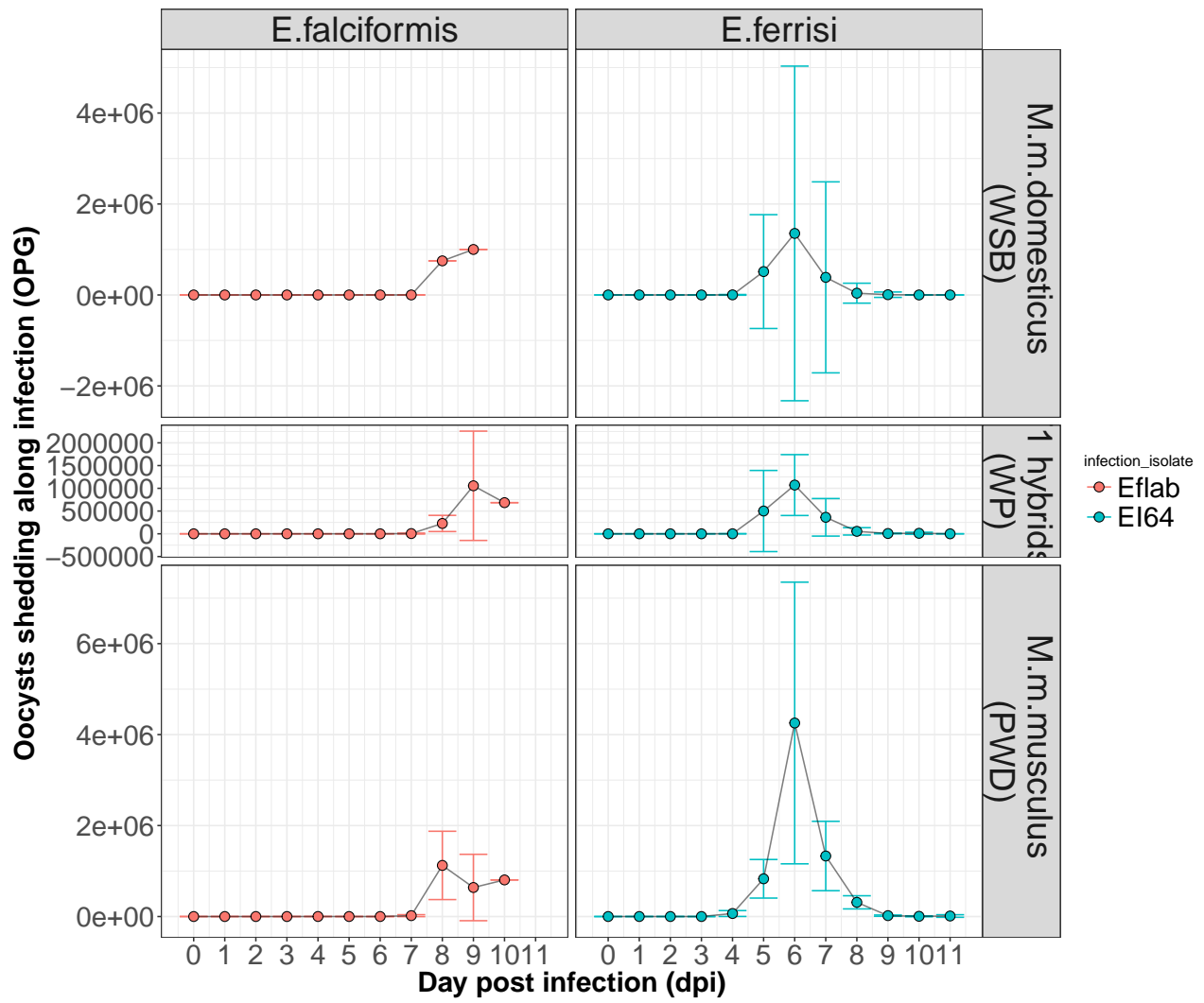


Figure 4: Oocysts shedding along the infection experiment, mean and 95% CI

### 3. Comparison host/parasite proxy

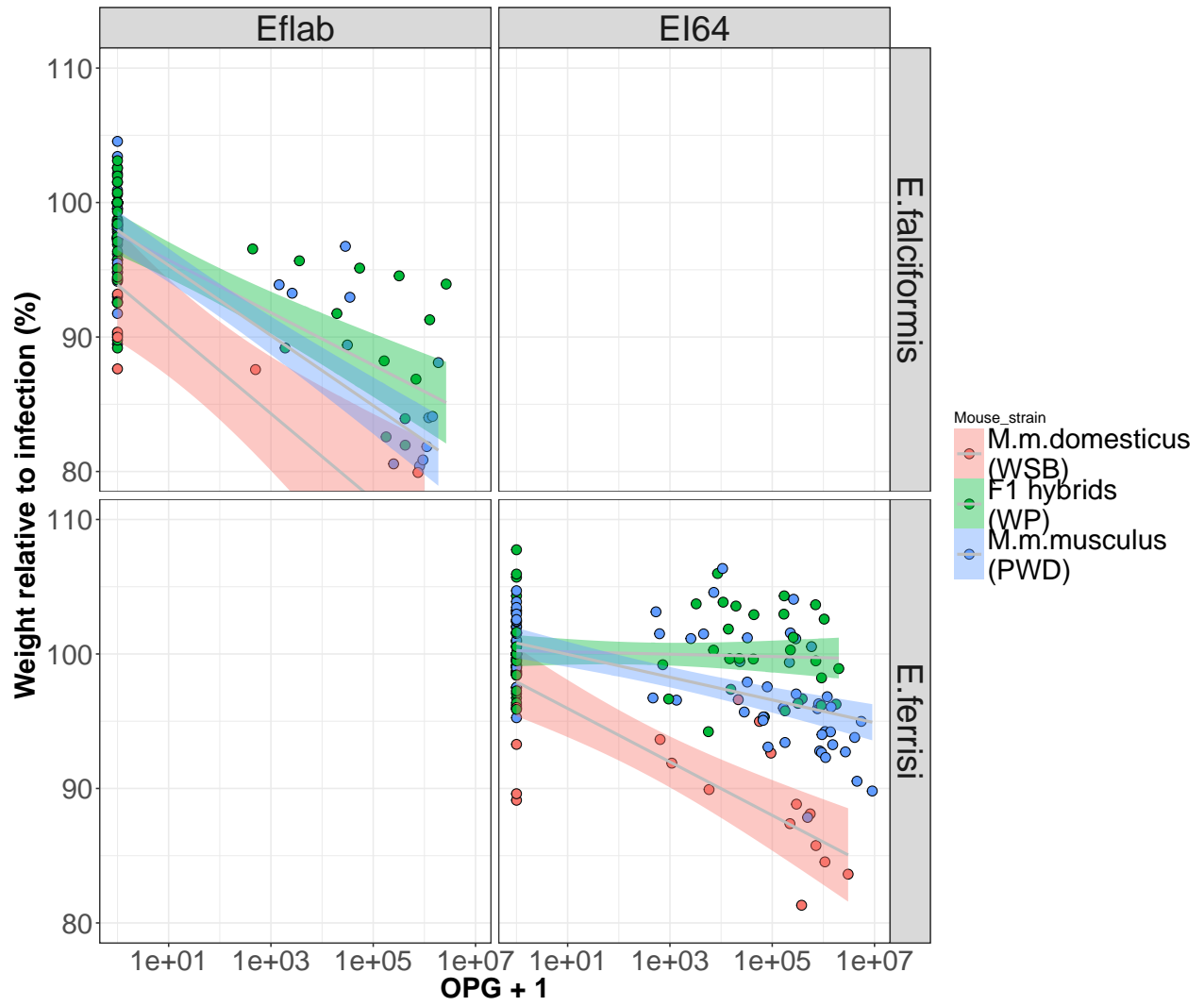


Figure 5: Weight as a function of OPG

Expe\_002: March 2018, NMRI mice infected with 4 *Eimeria* strains (Eflab, E88, E139, E64)

1. Weight loss

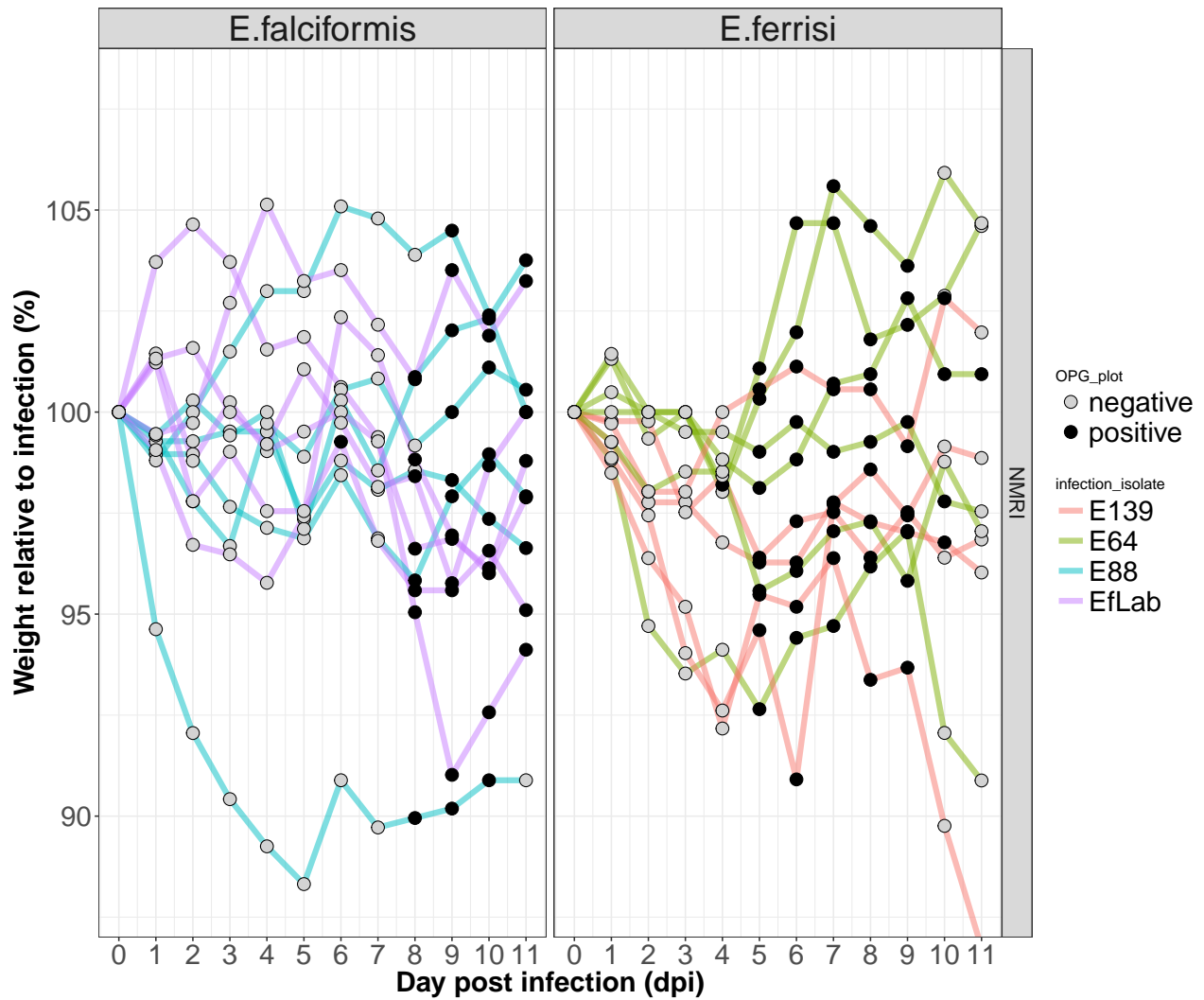


Figure 6: Weight along the infection experiment

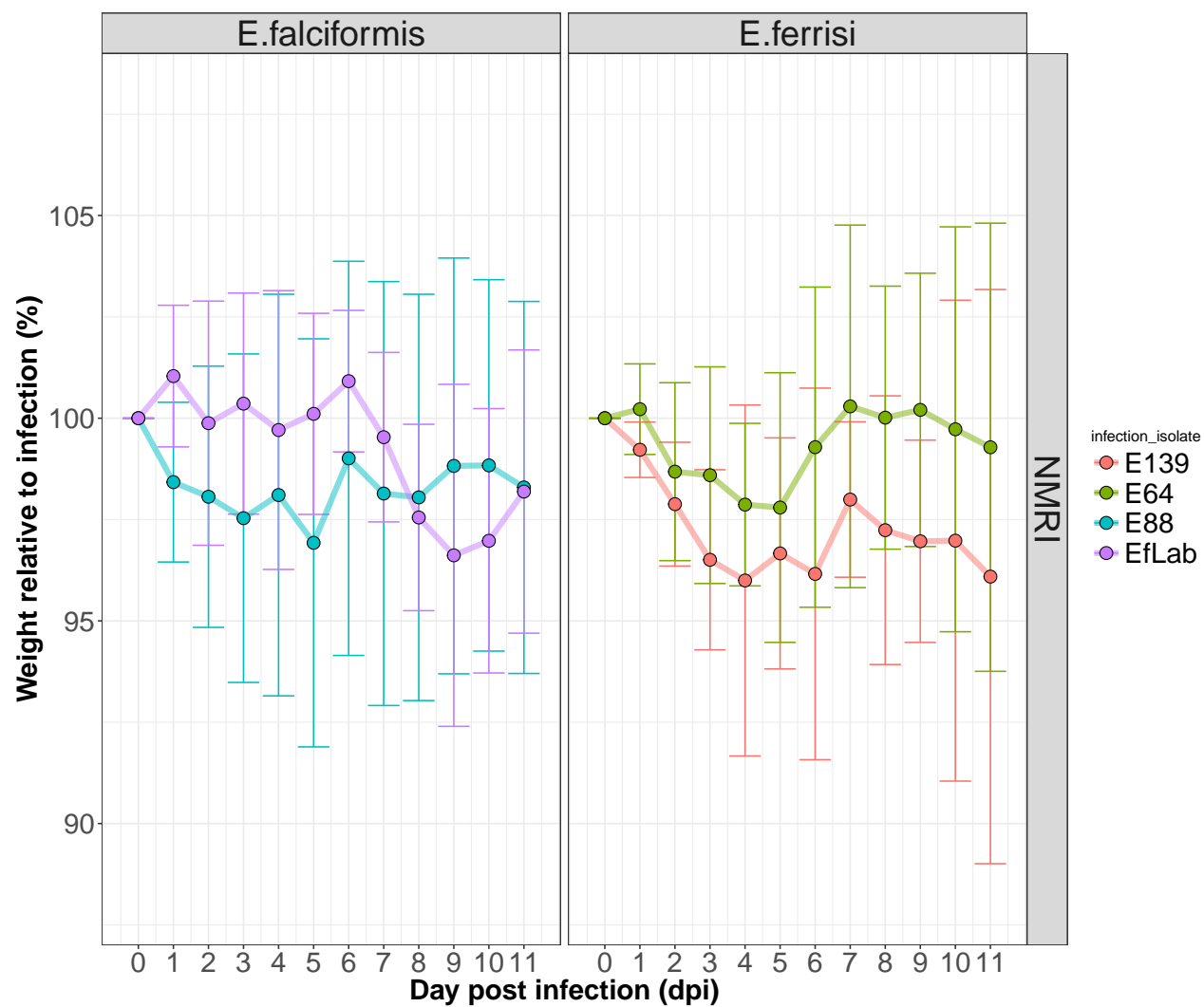


Figure 7: Weight along the infection experiment, mean and 95% CI



## 2. Parasite shedding

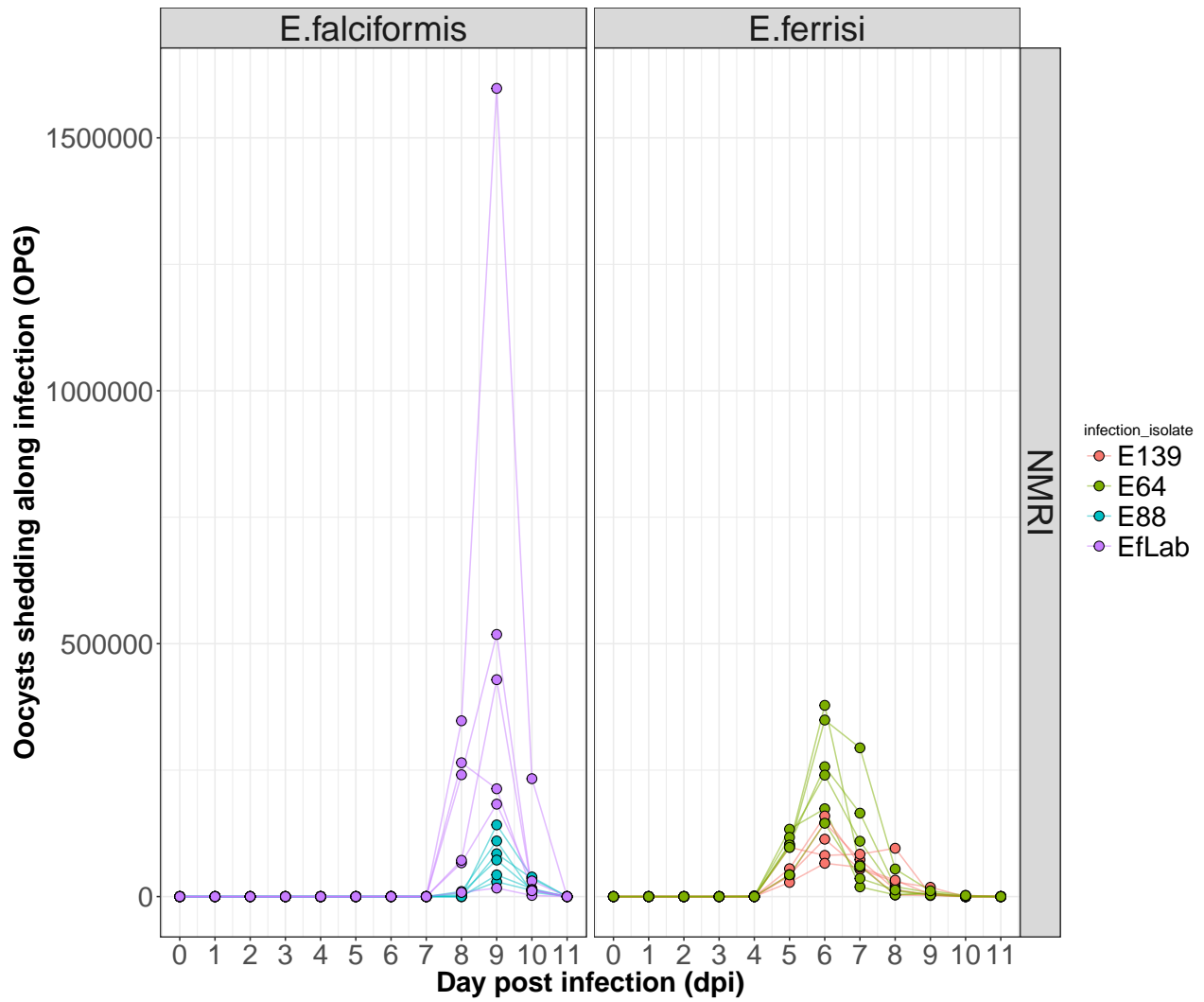


Figure 8: Oocysts shedding along the infection experiment

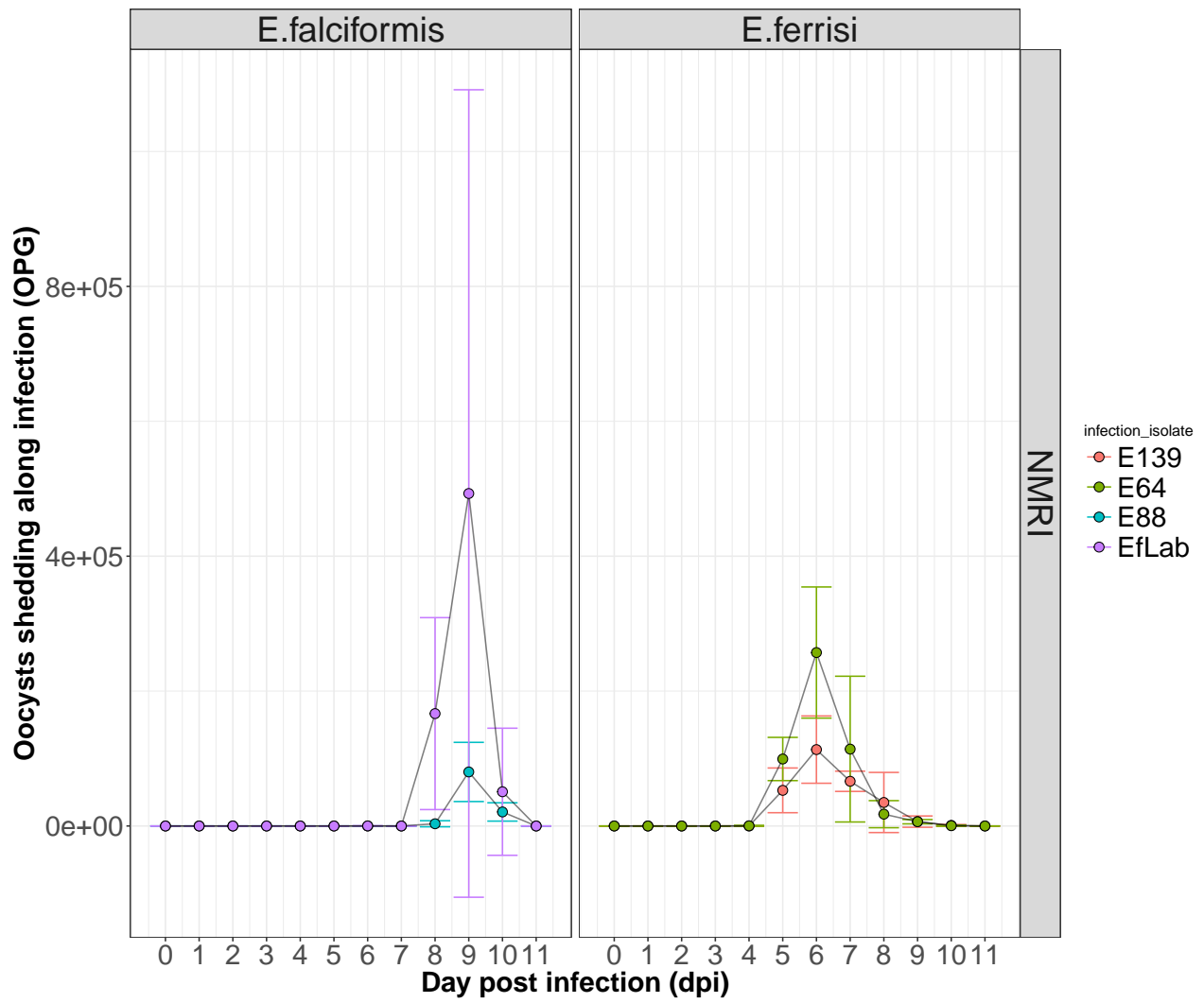


Figure 9: Oocysts shedding along the infection experiment, mean and 95% CI

### 3. Comparison host/parasite proxy

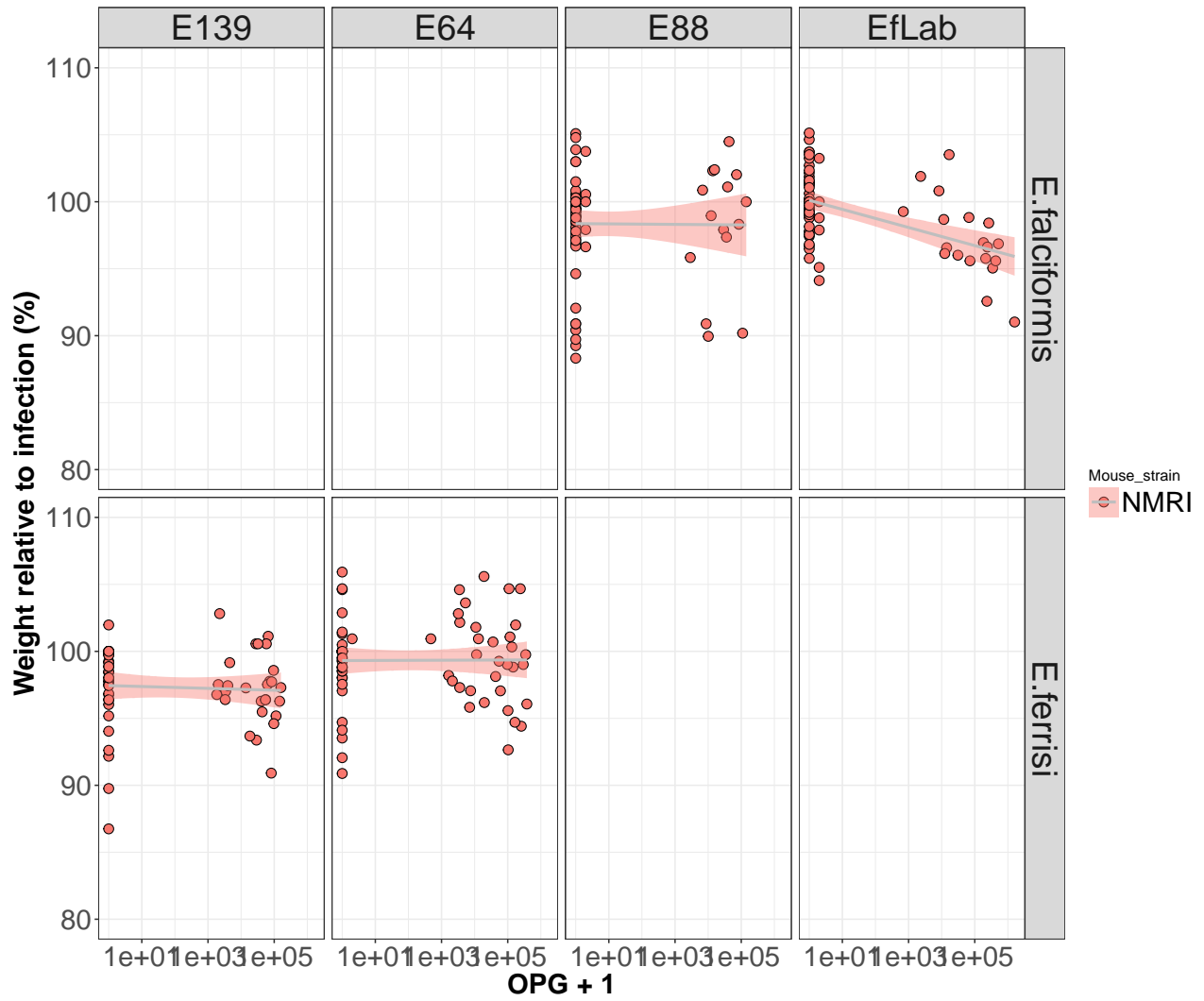


Figure 10: Weight as a function of OPG

Expe\_003, April-May 2018, first batch Parental strains (F0)  
 BUSNA, STRA, SCHUNT, PWD, infection with Eferrisi (E64 and  
 E139)

### 1. Weight loss

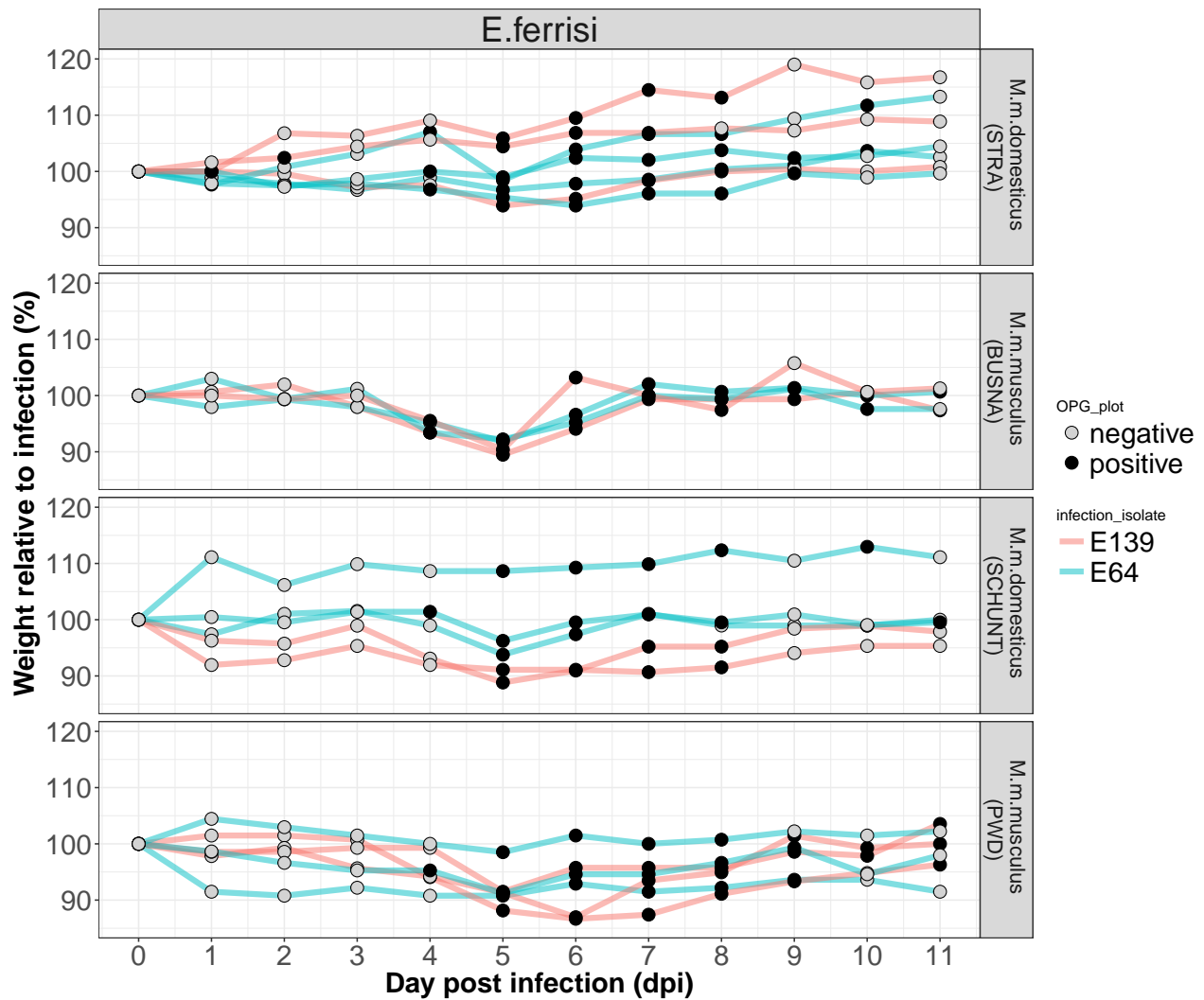


Figure 11: Weight along the infection experiment

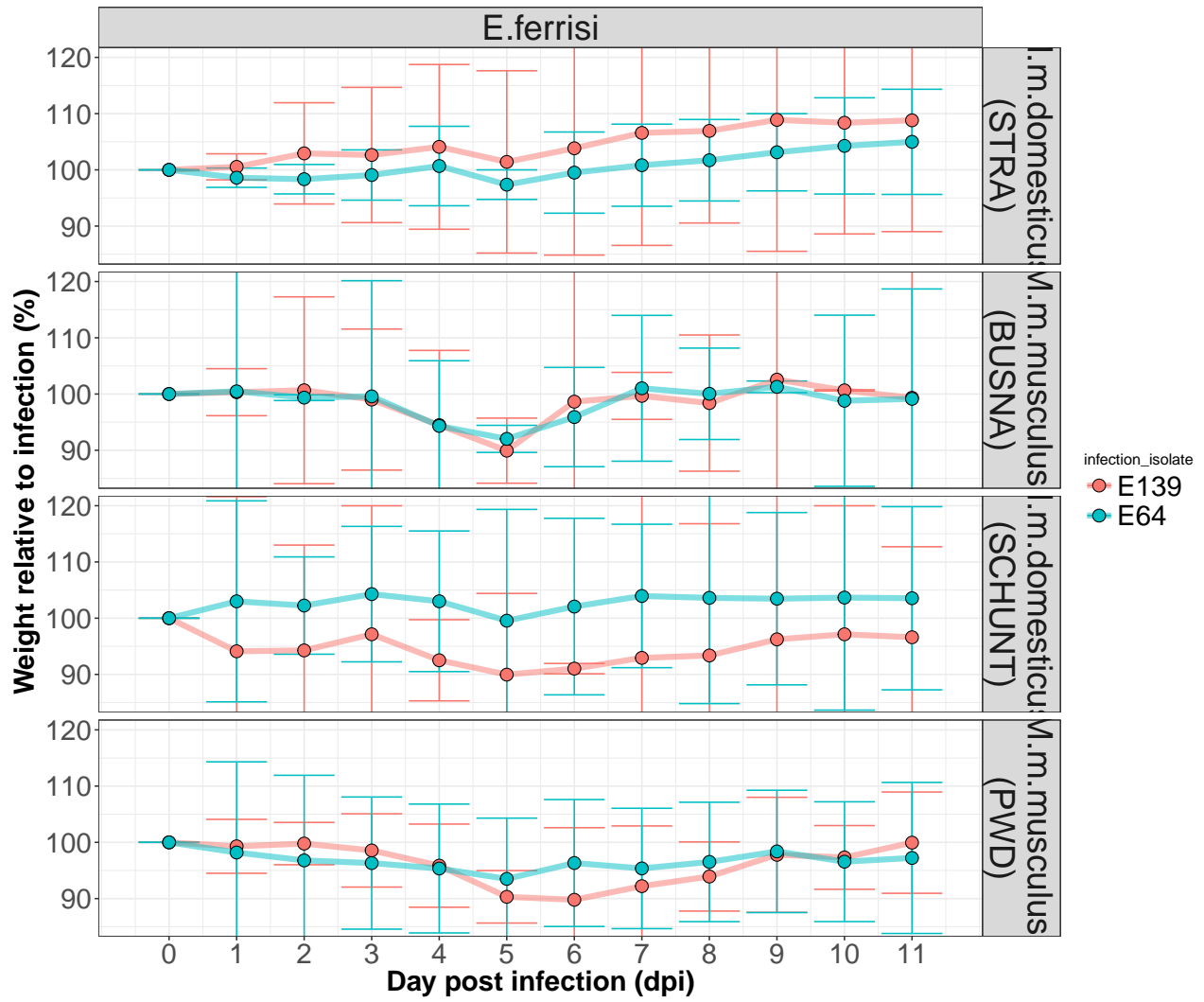


Figure 12: Weight along the infection experiment, mean and 95% CI

## 2. Parasite shedding

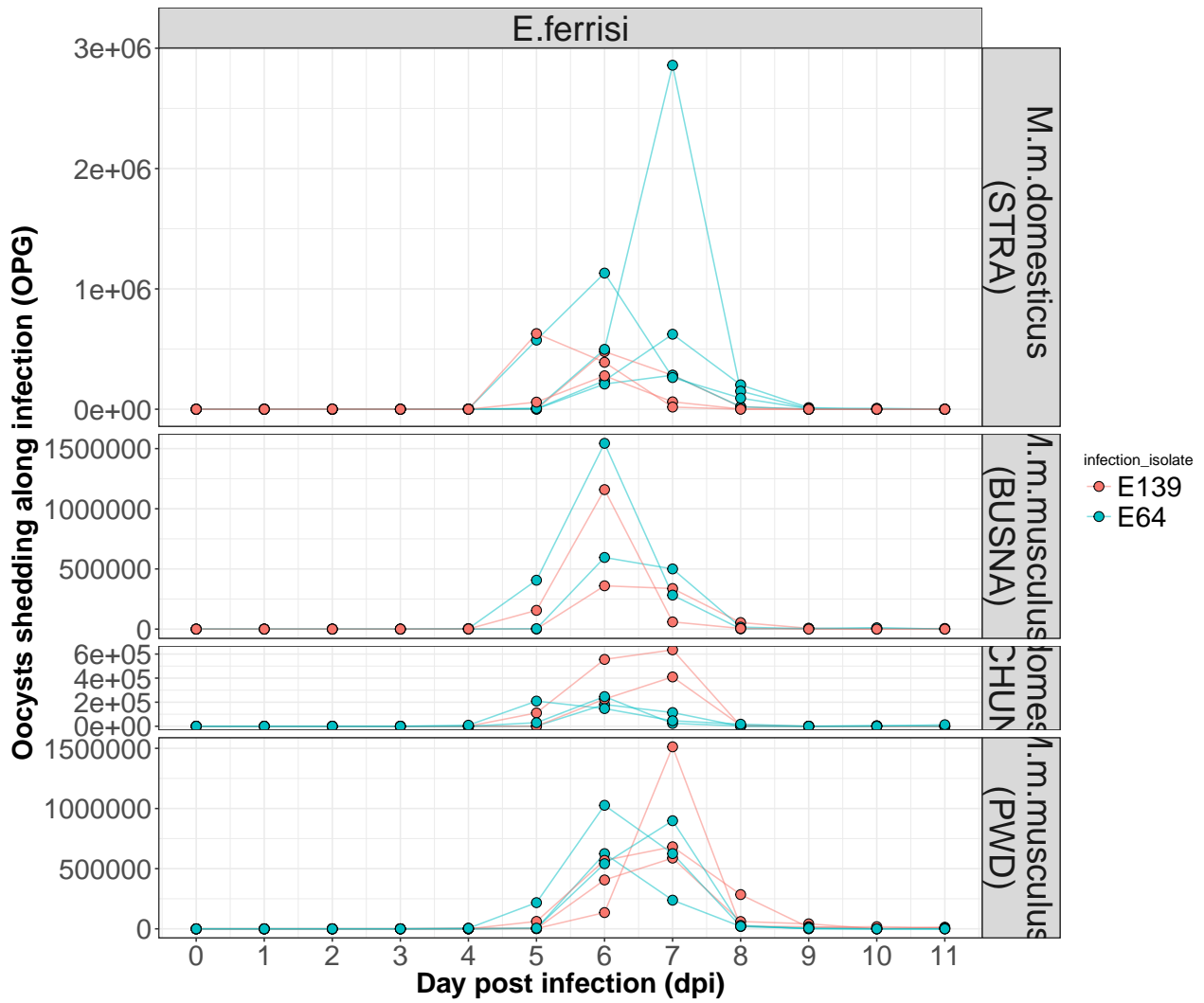


Figure 13: Oocysts shedding along the infection experiment

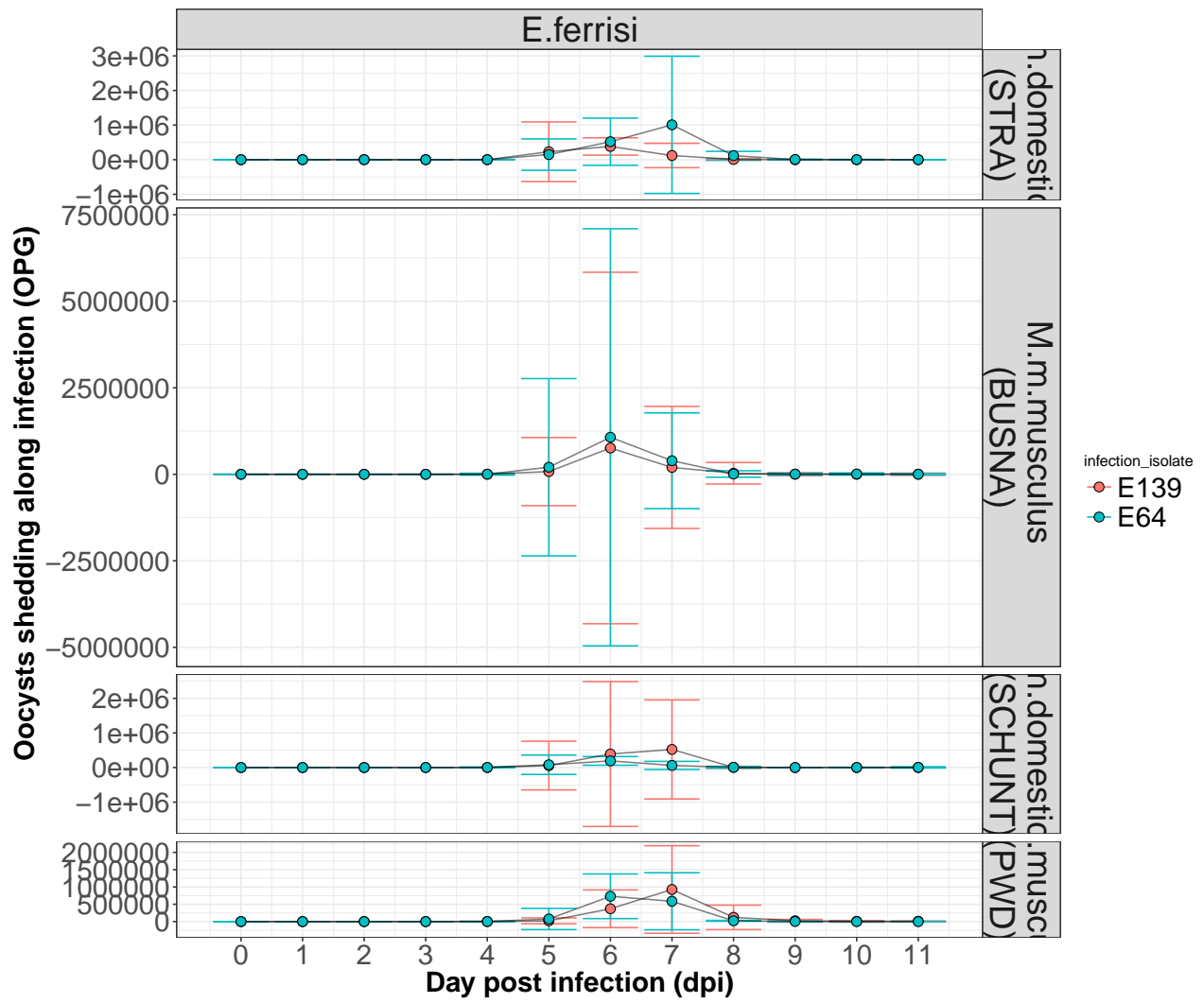


Figure 14: Oocysts shedding along the infection experiment, mean and 95% CI

### 3. Comparison host/parasite proxy

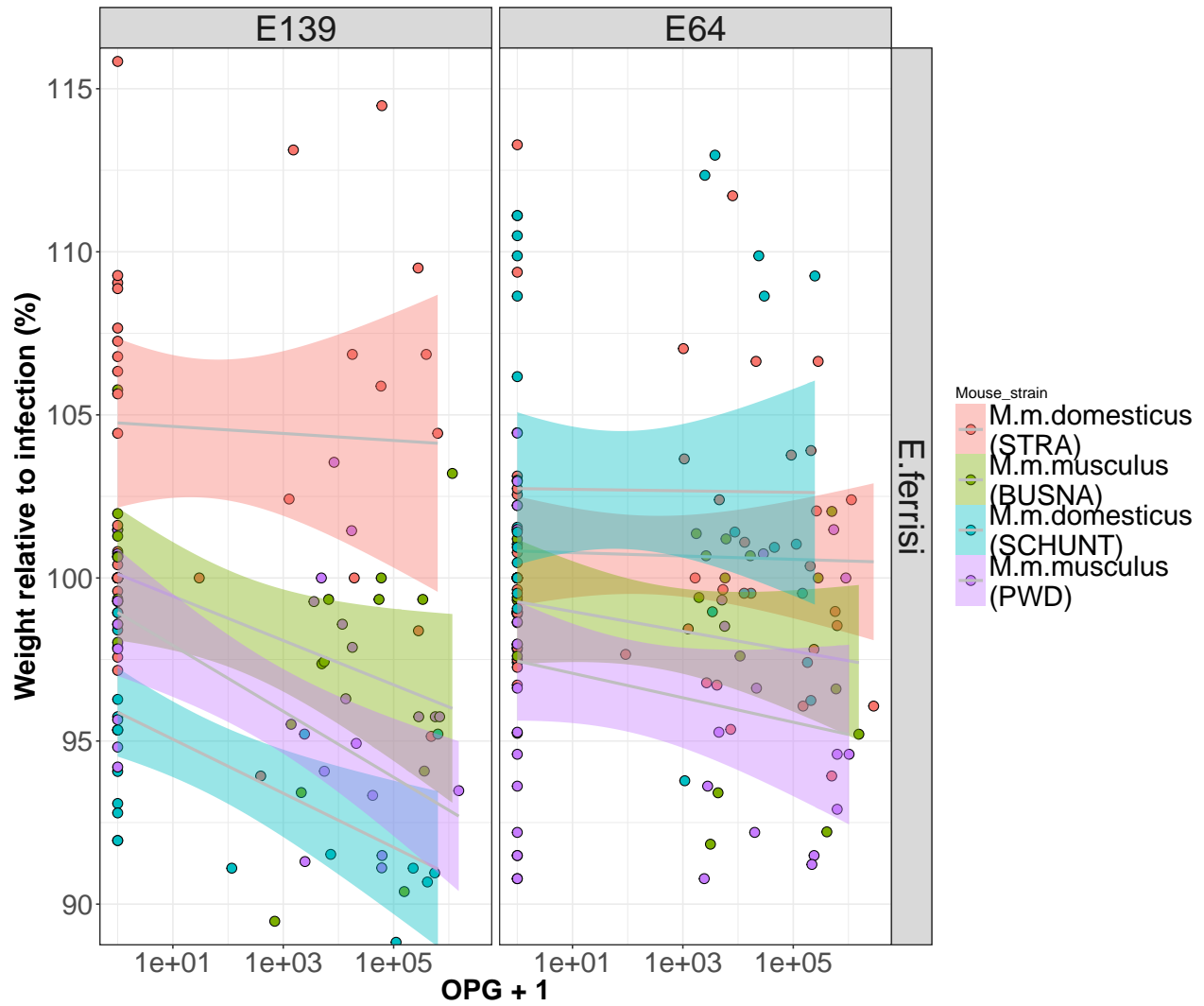


Figure 15: Weight as a function of OPG



Expe\_004, June 2018, second batch Parental strains (F0) BUSNA, STRA, SCHUNT, PWD, infection with Eferrisi (E64 and E139)

1. Weight loss

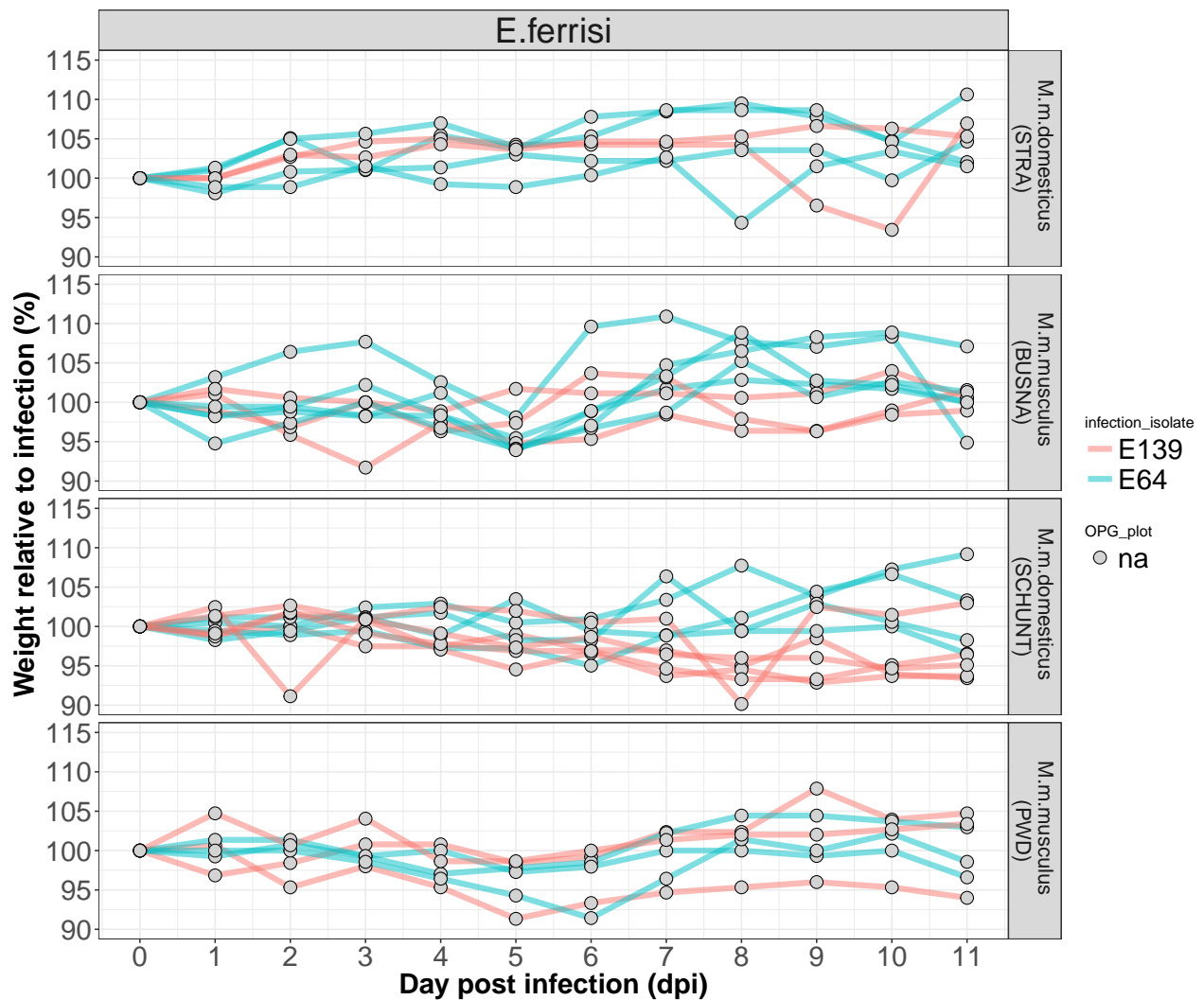


Figure 16: Weight along the infection experiment

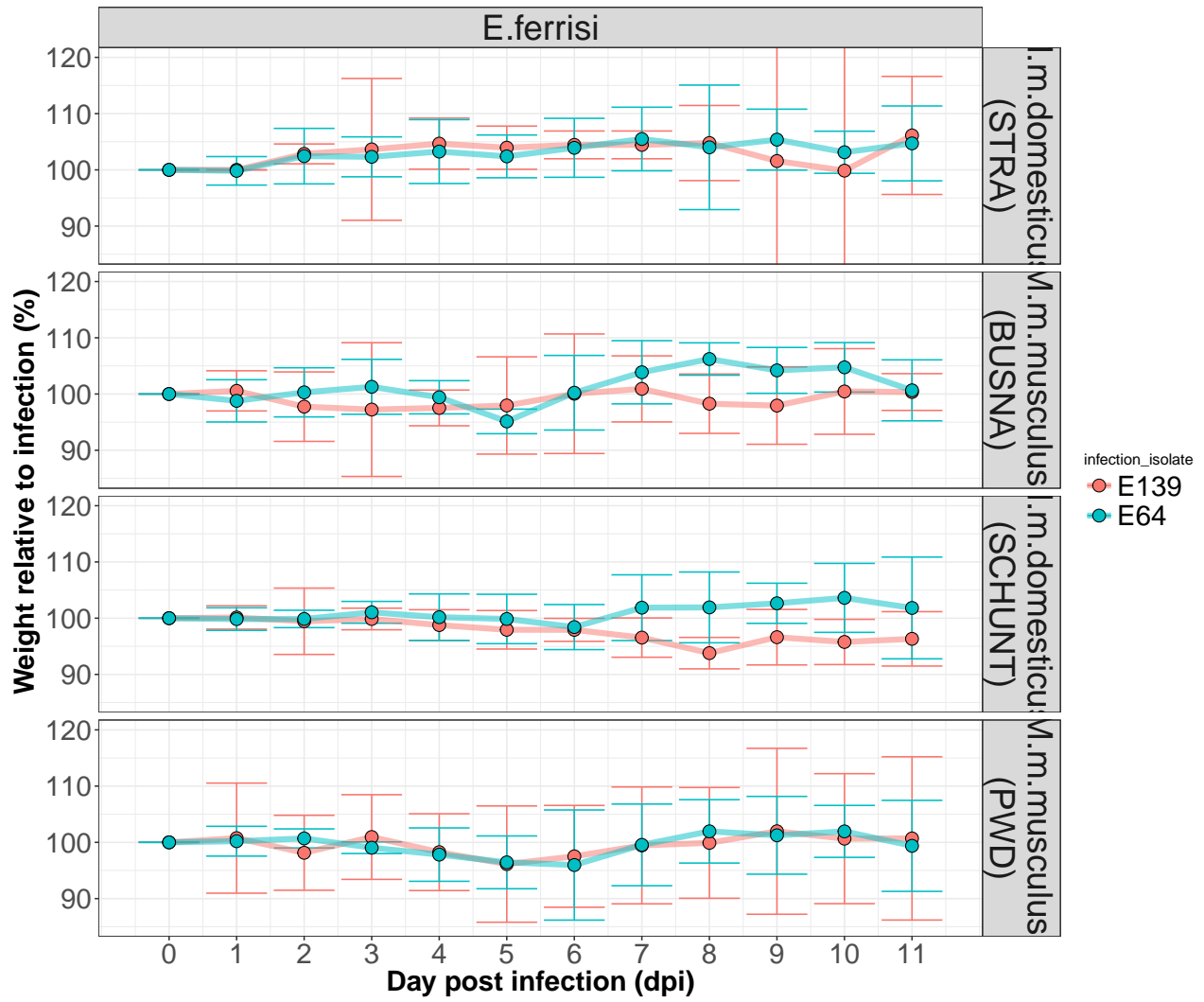


Figure 17: Weight along the infection experiment, mean and 95% CI

## 2. Parasite shedding

Expe\_005, July 2018, FULL experiment (parents, intra specific and inter species hybrids) BUSNA, STRA, SCHUNT, PWD, infection with *Eferrisi* (E64 and E139)

### 1. Weight loss

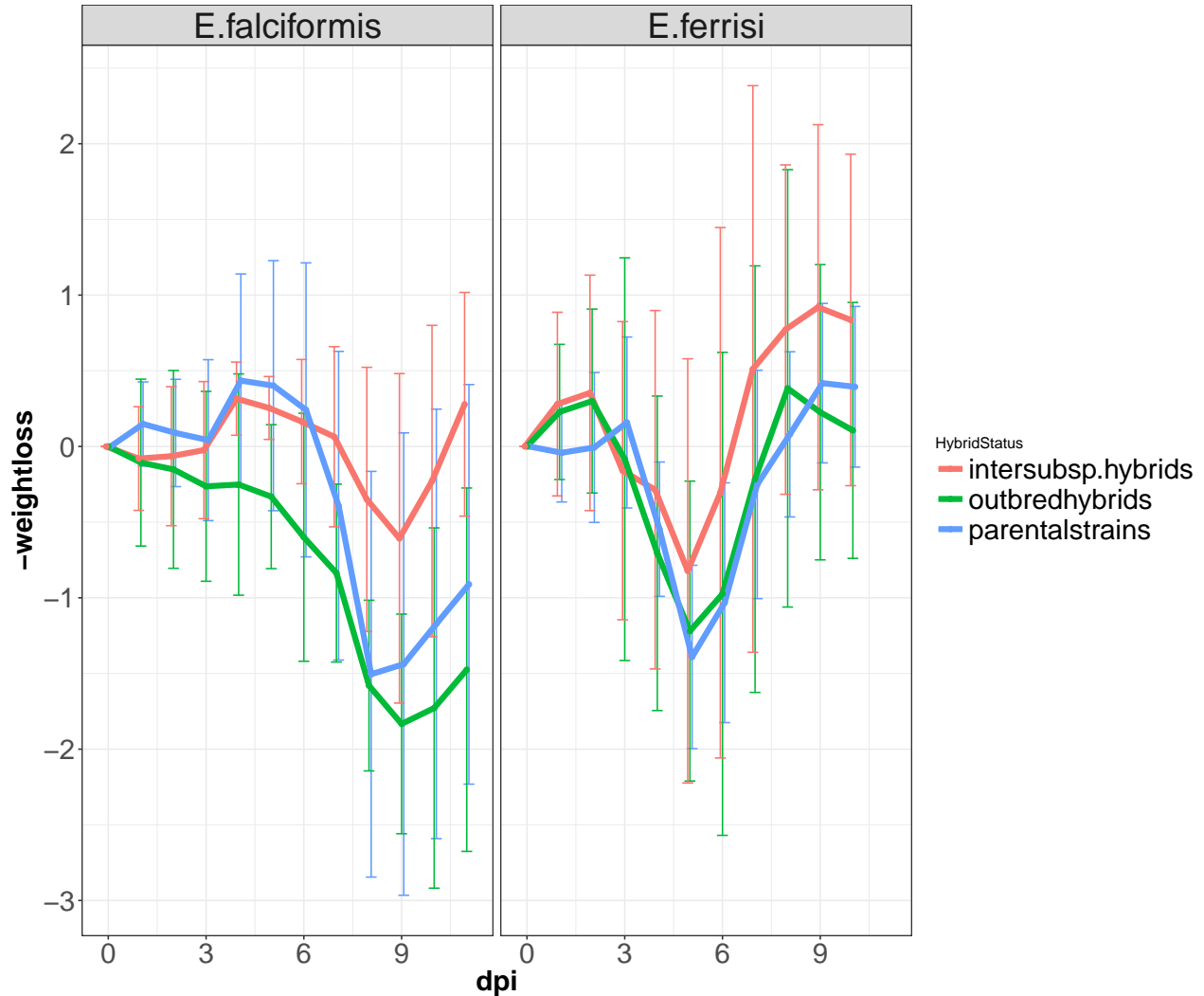


Figure 18: Weight loss the infection experiment (mean +95% CI)

## 2. Parasite shedding