

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

*Alice*

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## Contents

<b>Expe_001, March 2017, Francisca's experiment. infection with E64 and Eflab</b>	<b>2</b>
1. Weight loss . . . . .	2
2. Parasite shedding . . . . .	3
3. Comparison host/parasite proxy . . . . .	5
<b>Expe_002: March 2018, NMRI mice infected with 4 <i>Eimeria</i> strains (Eflab, E88, E139, E64)</b>	<b>6</b>
1. Weight loss . . . . .	6
<b>Expe_003, April-May 2018, first batch Parental strains (F0) BUSNA, STRA, SCHUNT, PWD, infection with Eferrisi (E64 and E139)</b>	<b>7</b>
1. Weight loss . . . . .	7
2. Parasite shedding . . . . .	9
3. Comparison host/parasite proxy . . . . .	11
<b>Expe_004, June 2018, second batch Parental strains (F0) BUSNA, STRA, SCHUNT, PWD, infection with Eferrisi (E64 and E139)</b>	<b>12</b>
1. Weight loss . . . . .	12
2. Parasite shedding . . . . .	13

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

1. Weight loss

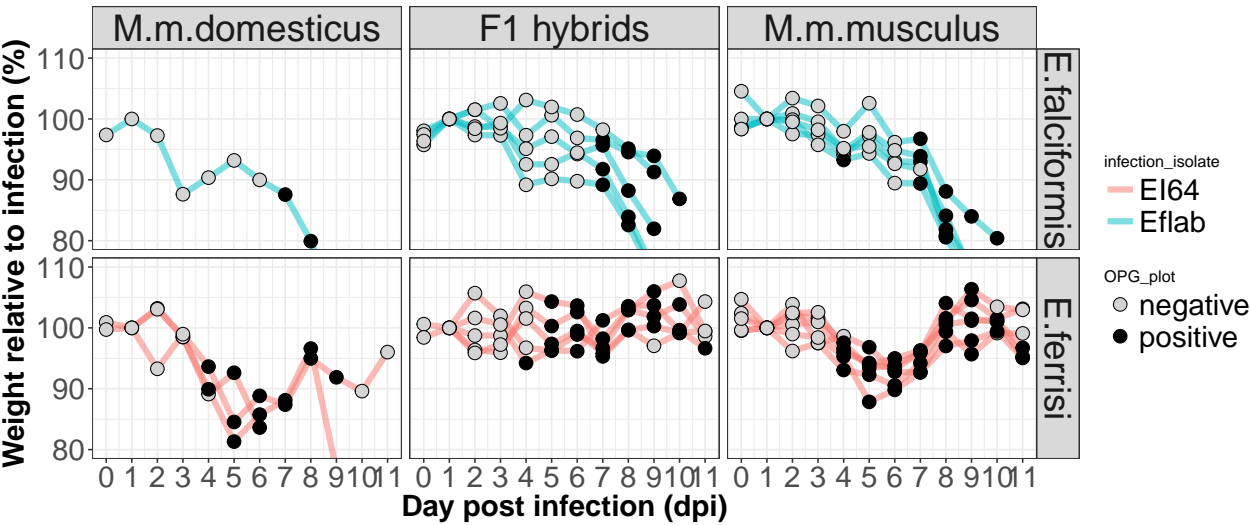


Figure 1: Weight along the infection experiment

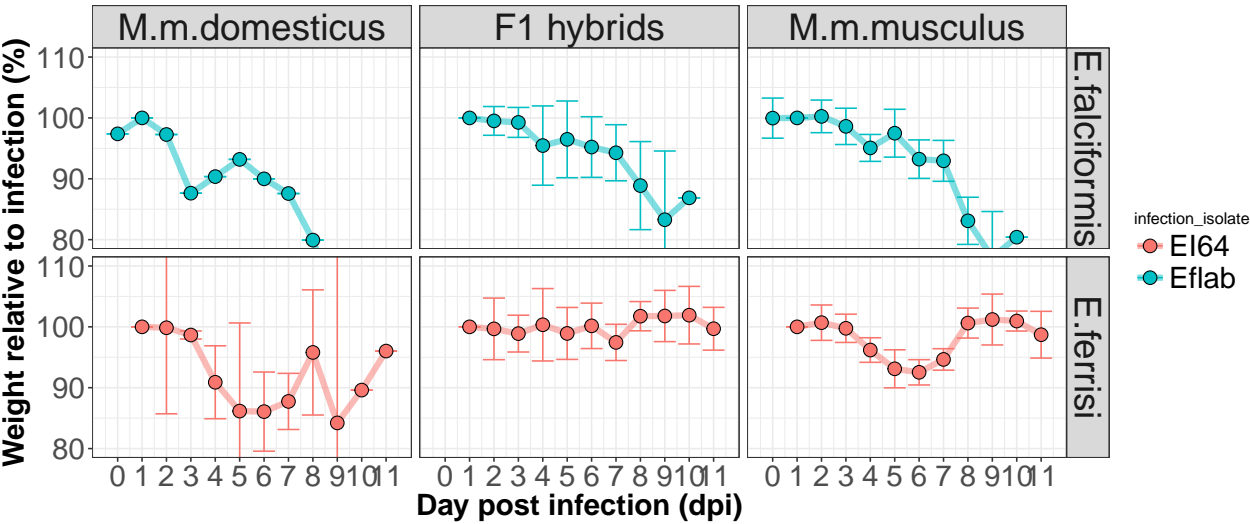


Figure 2: Weight along the infection experiment, mean and 95% CI

## 2. Parasite shedding

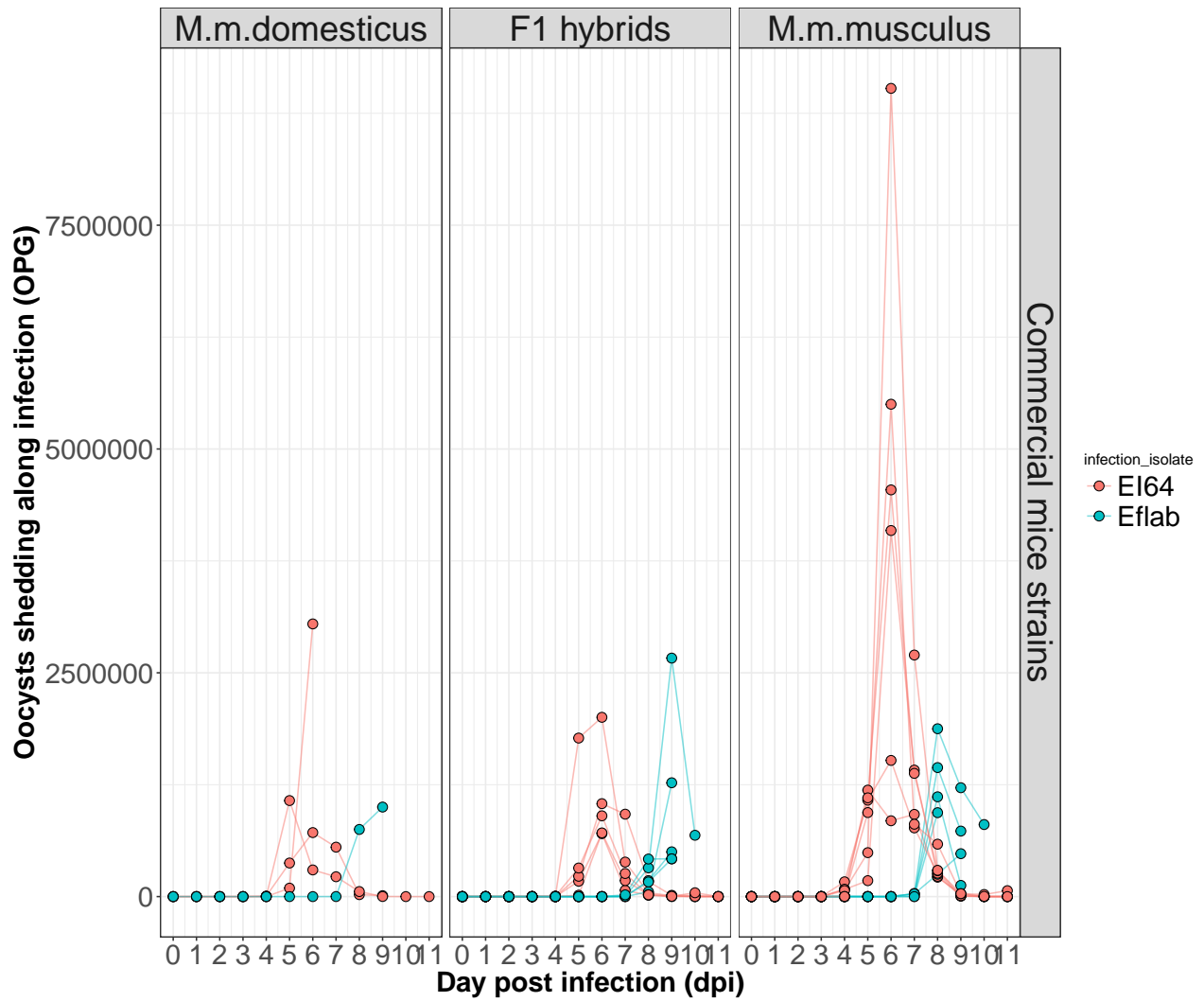


Figure 3: Oocysts shedding along the infection experiment

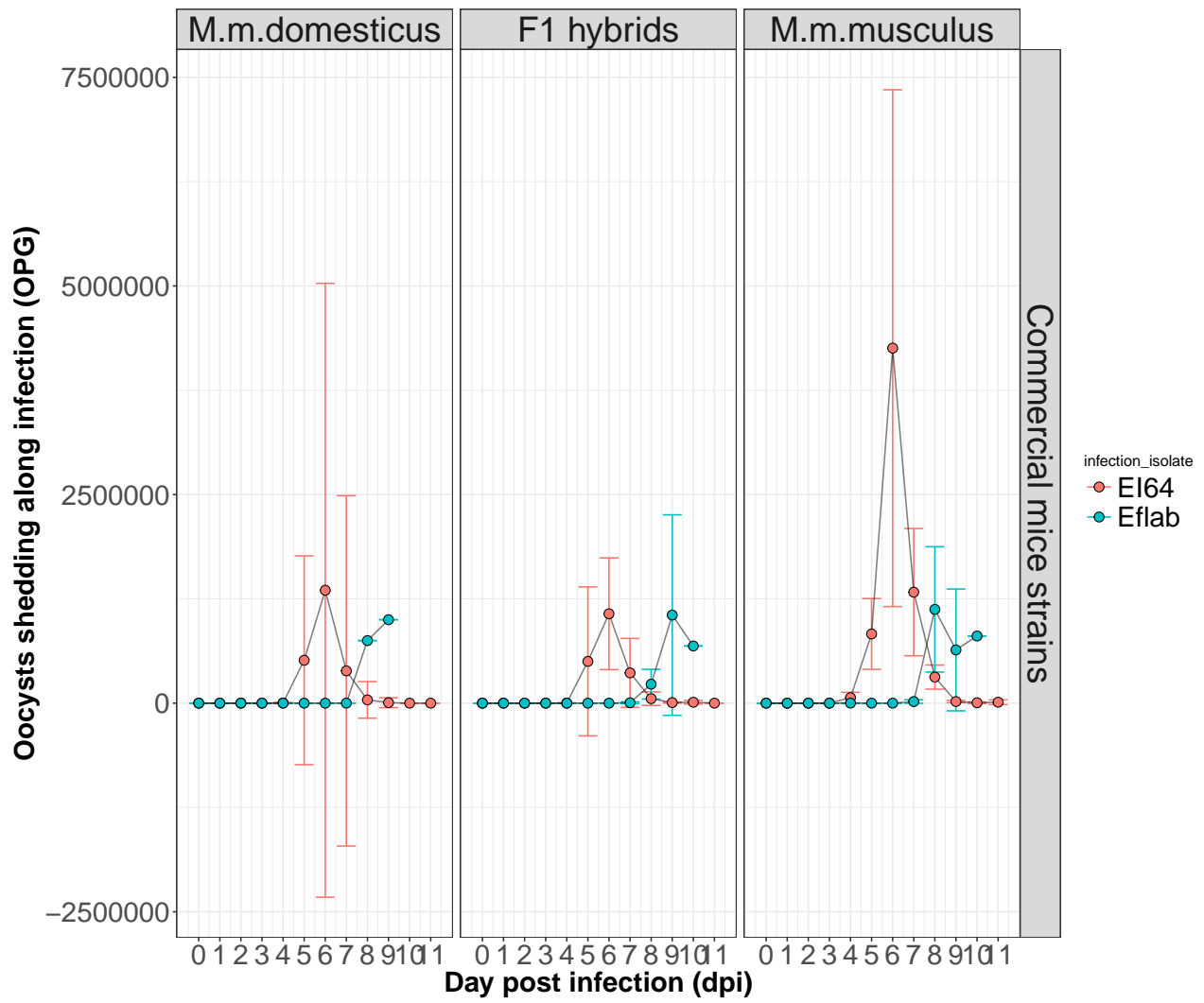


Figure 4: Oocysts shedding along the infection experiment, mean and 95% CI

### 3. Comparison host/parasite proxy

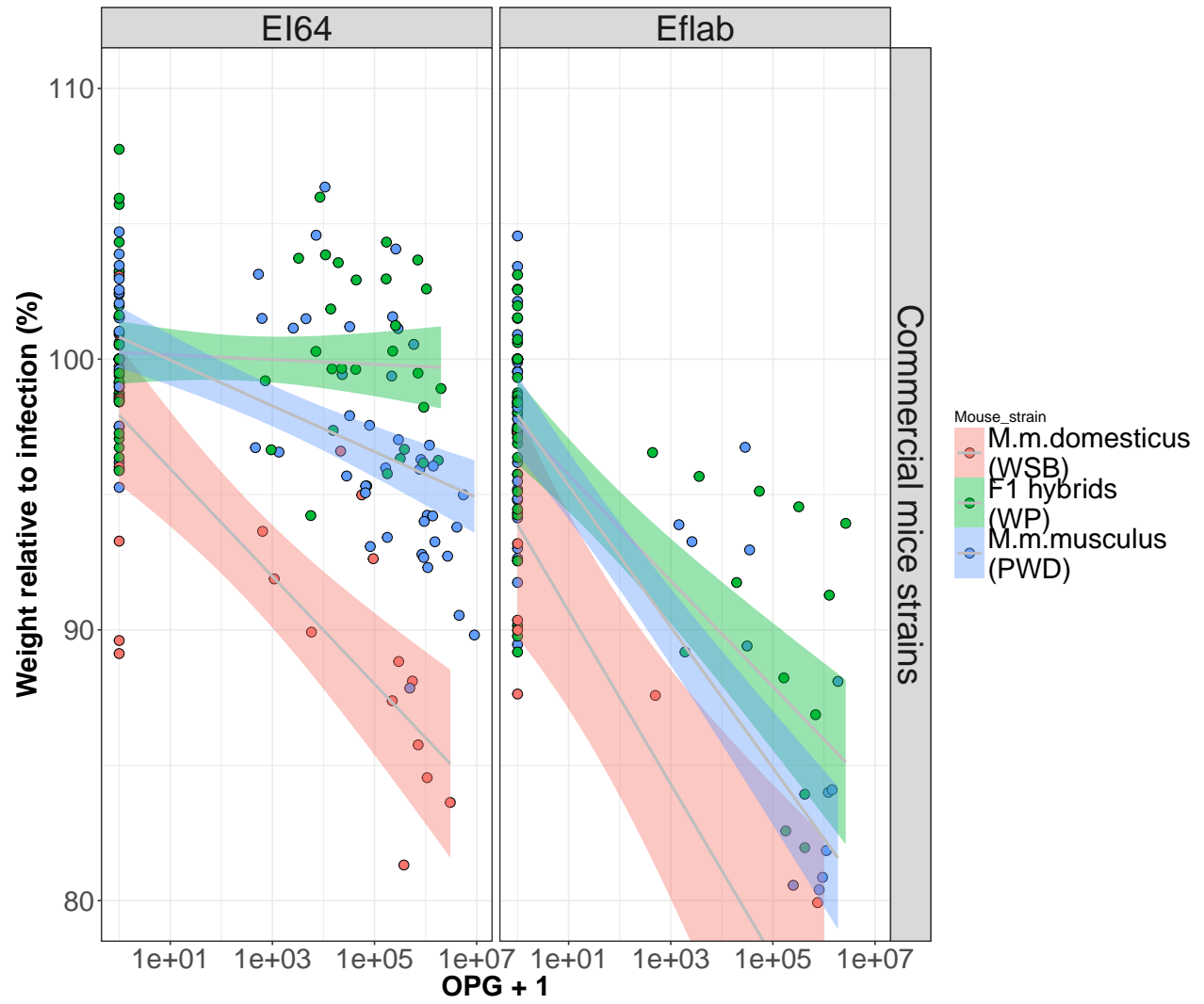


Figure 5: Weight as a function of OPG

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

1. Weight loss

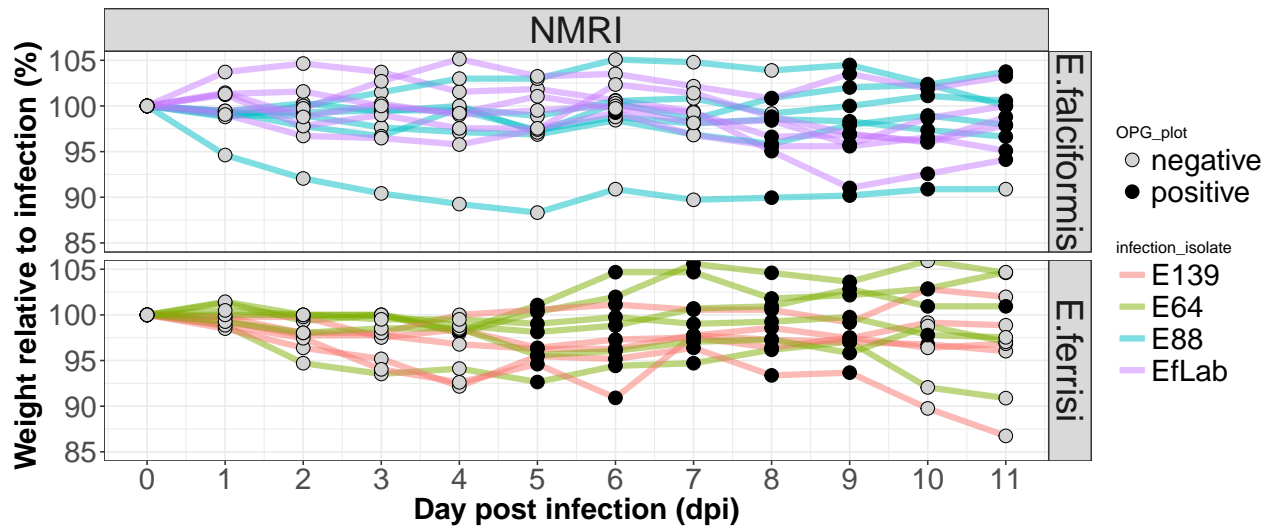


Figure 6: Weight along the infection experiment

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

### 1. Weight loss

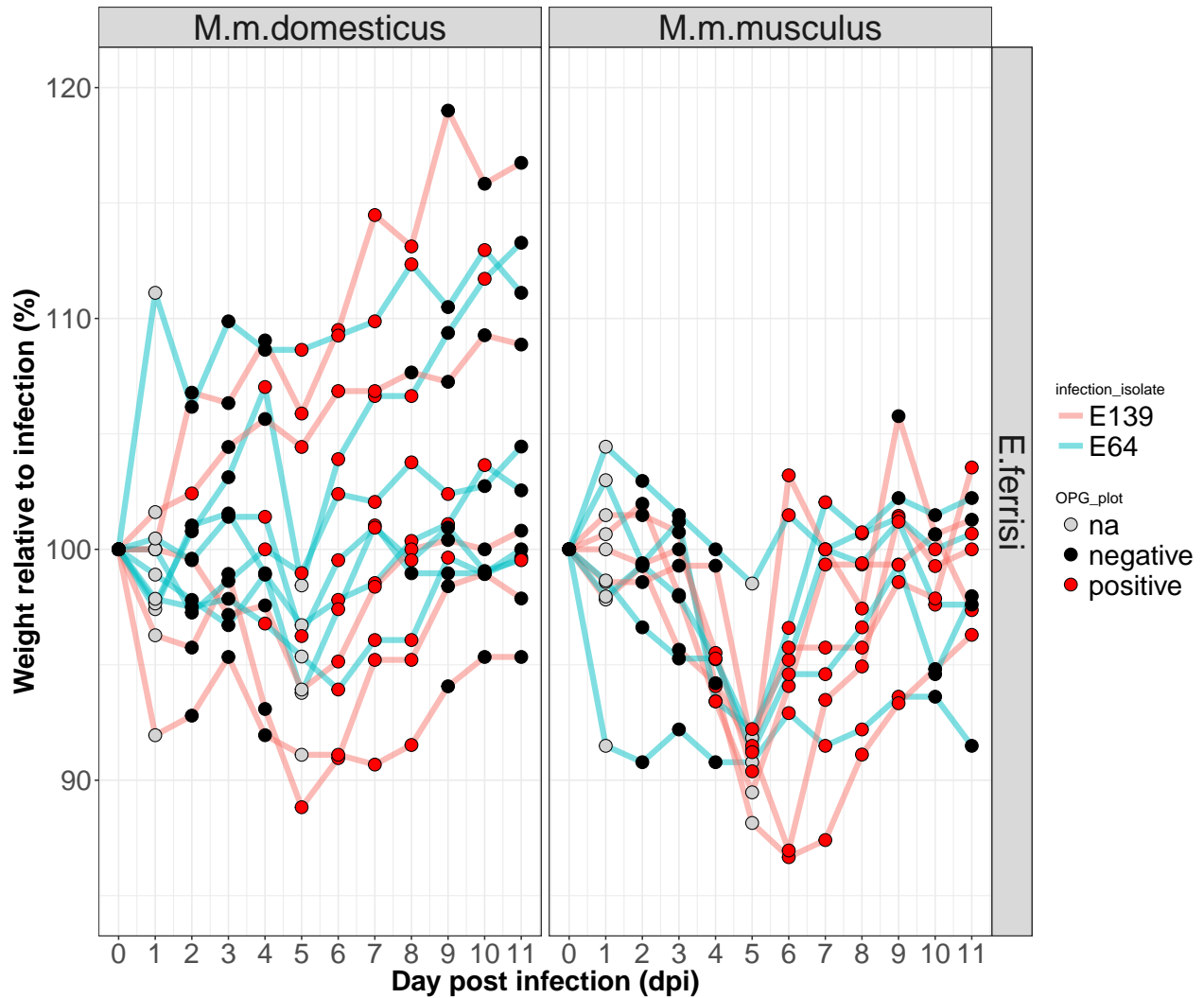


Figure 7: Weight along the infection experiment

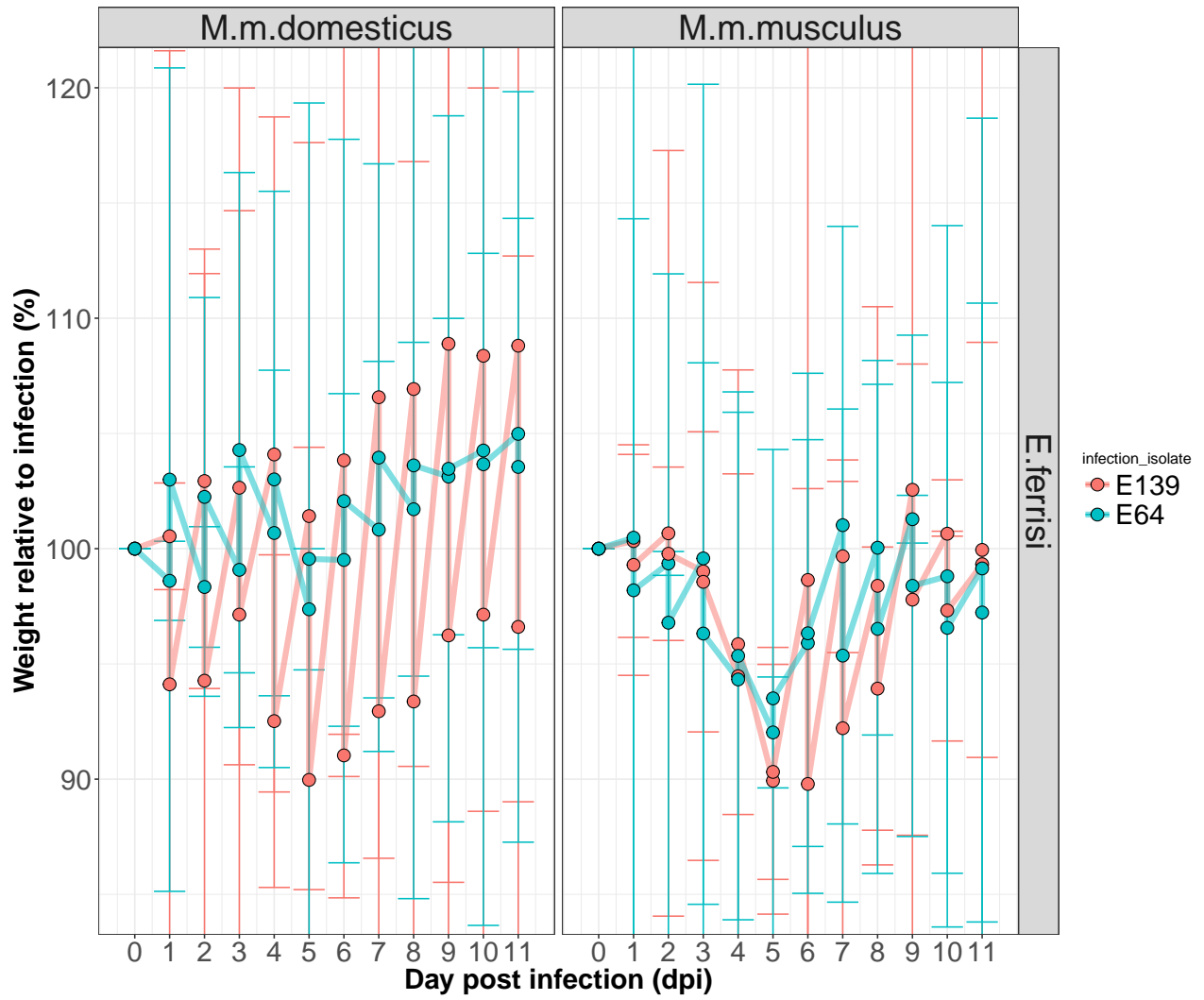


Figure 8: Weight along the infection experiment, mean and 95% CI



## 2. Parasite shedding

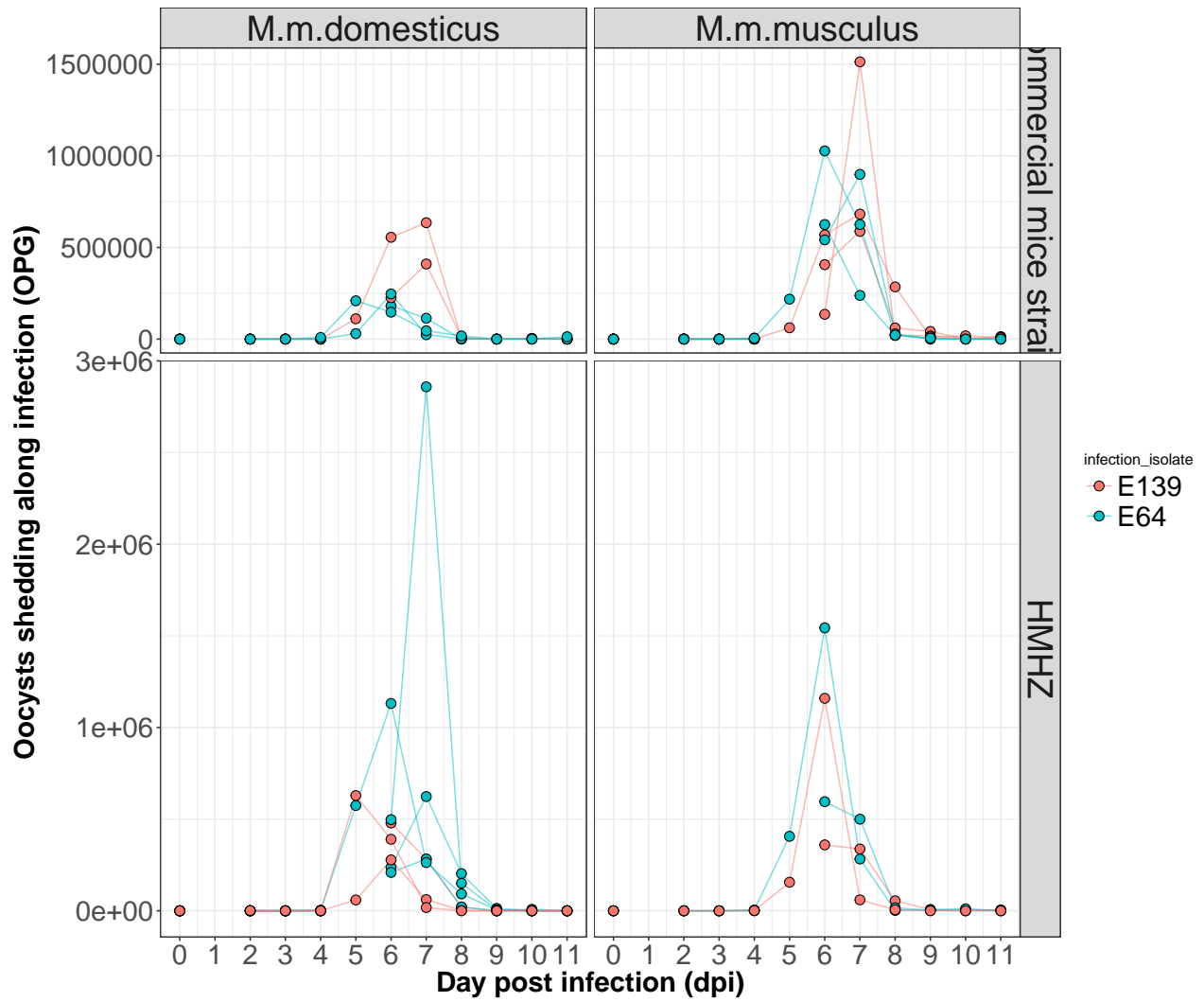


Figure 9: Oocysts shedding along the infection experiment

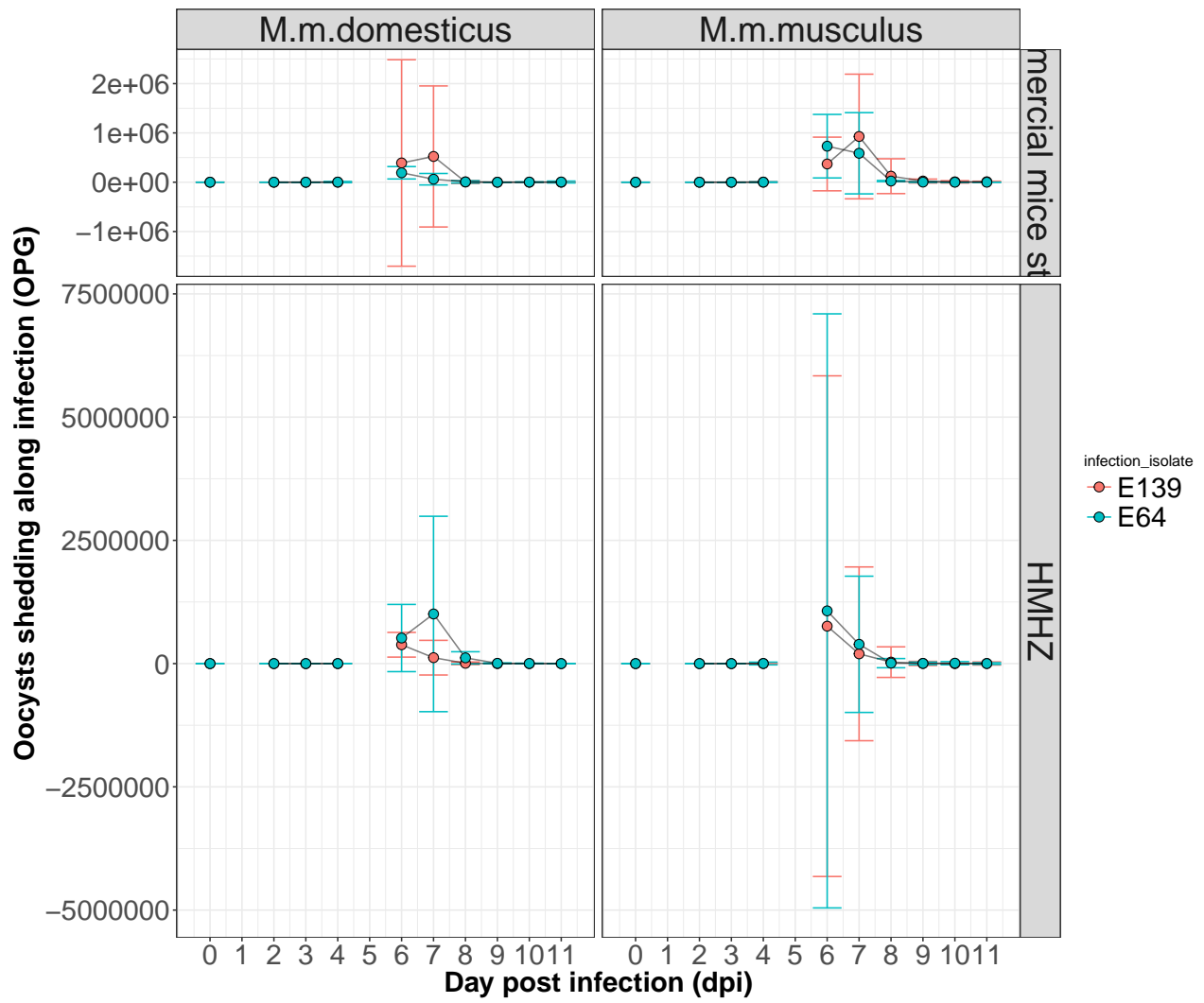


Figure 10: Oocysts shedding along the infection experiment, mean and 95% CI

### 3. Comparison host/parasite proxy

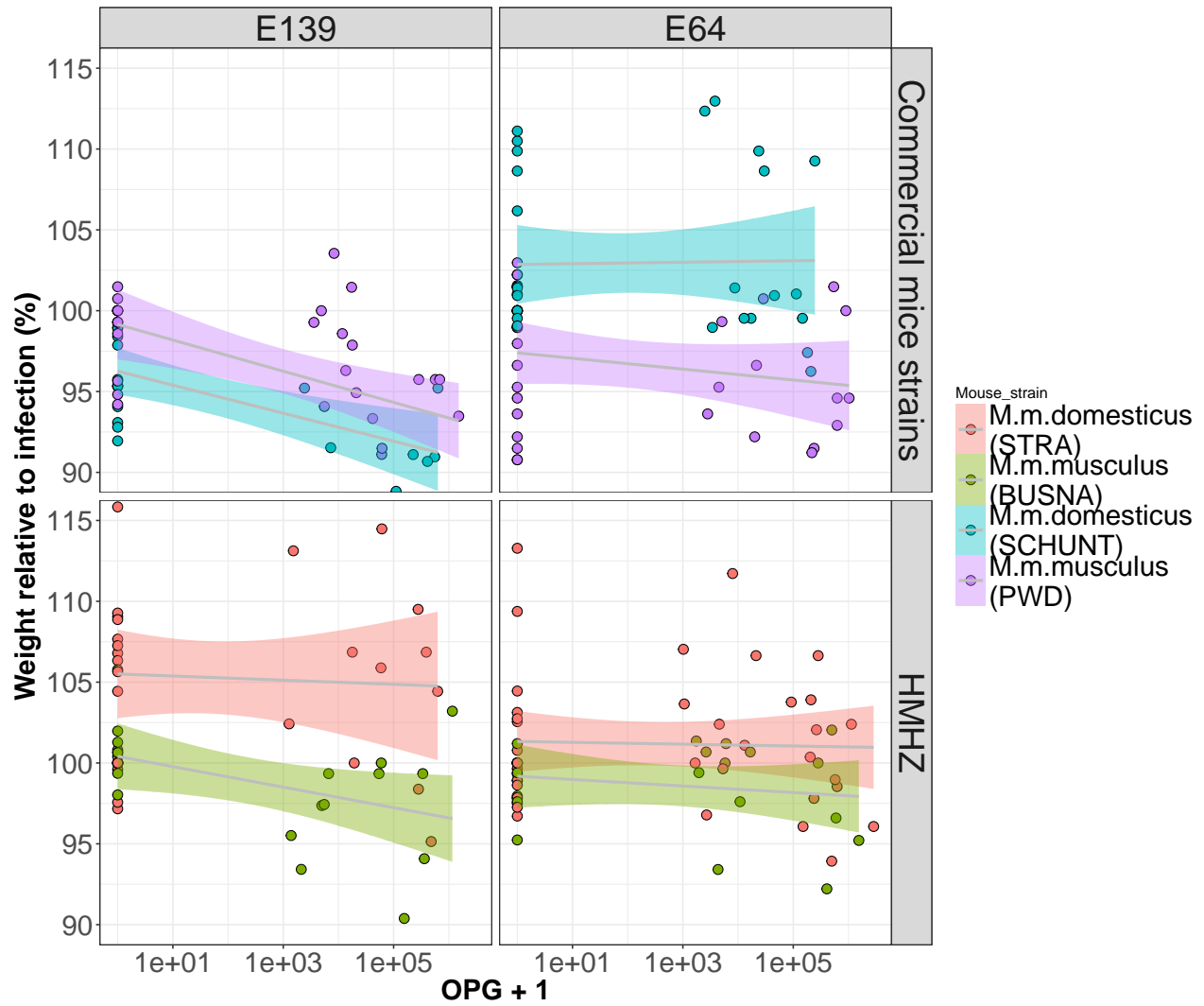


Figure 11: Weight as a function of OPG

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

### 1. Weight loss

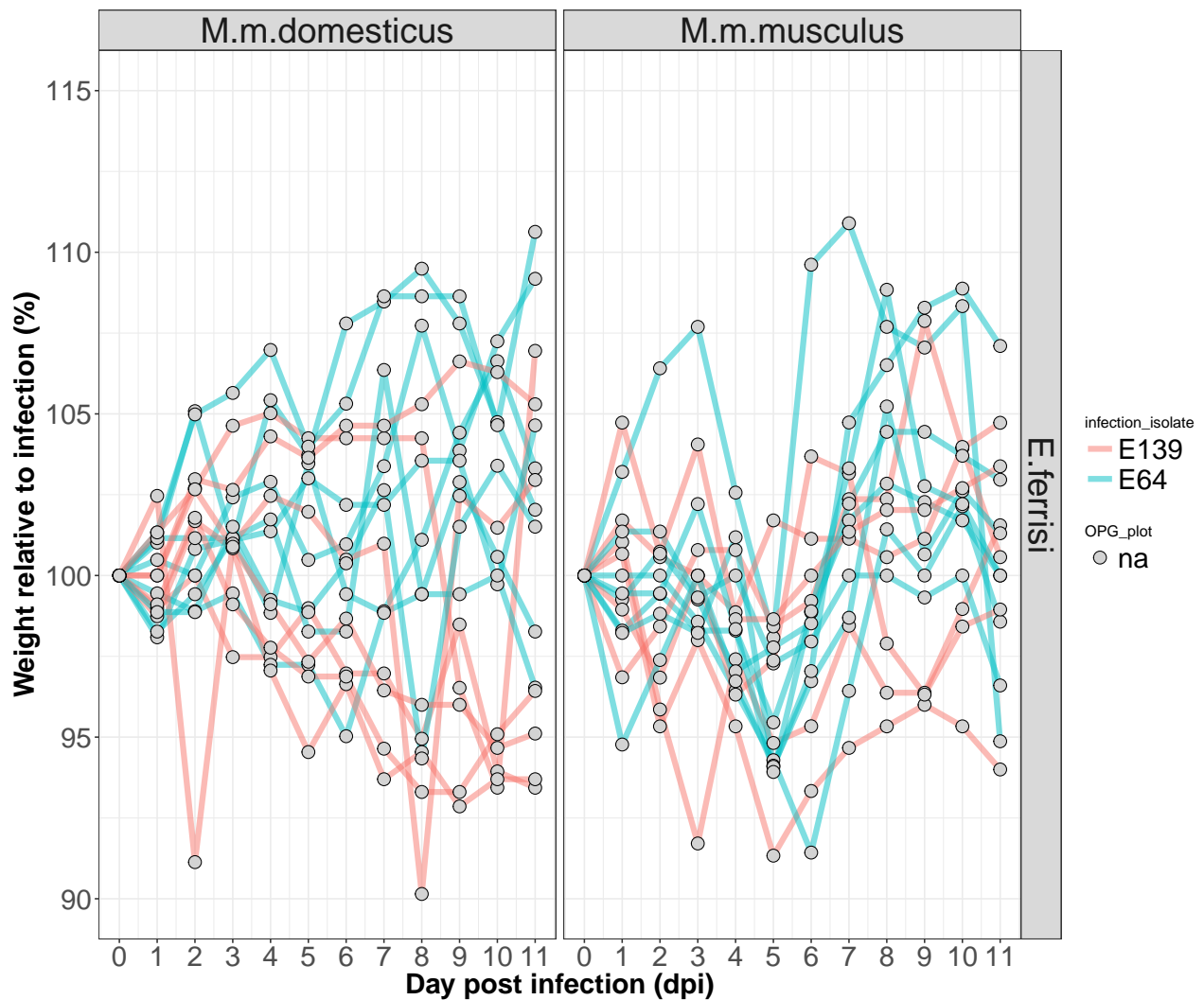


Figure 12: Weight along the infection experiment

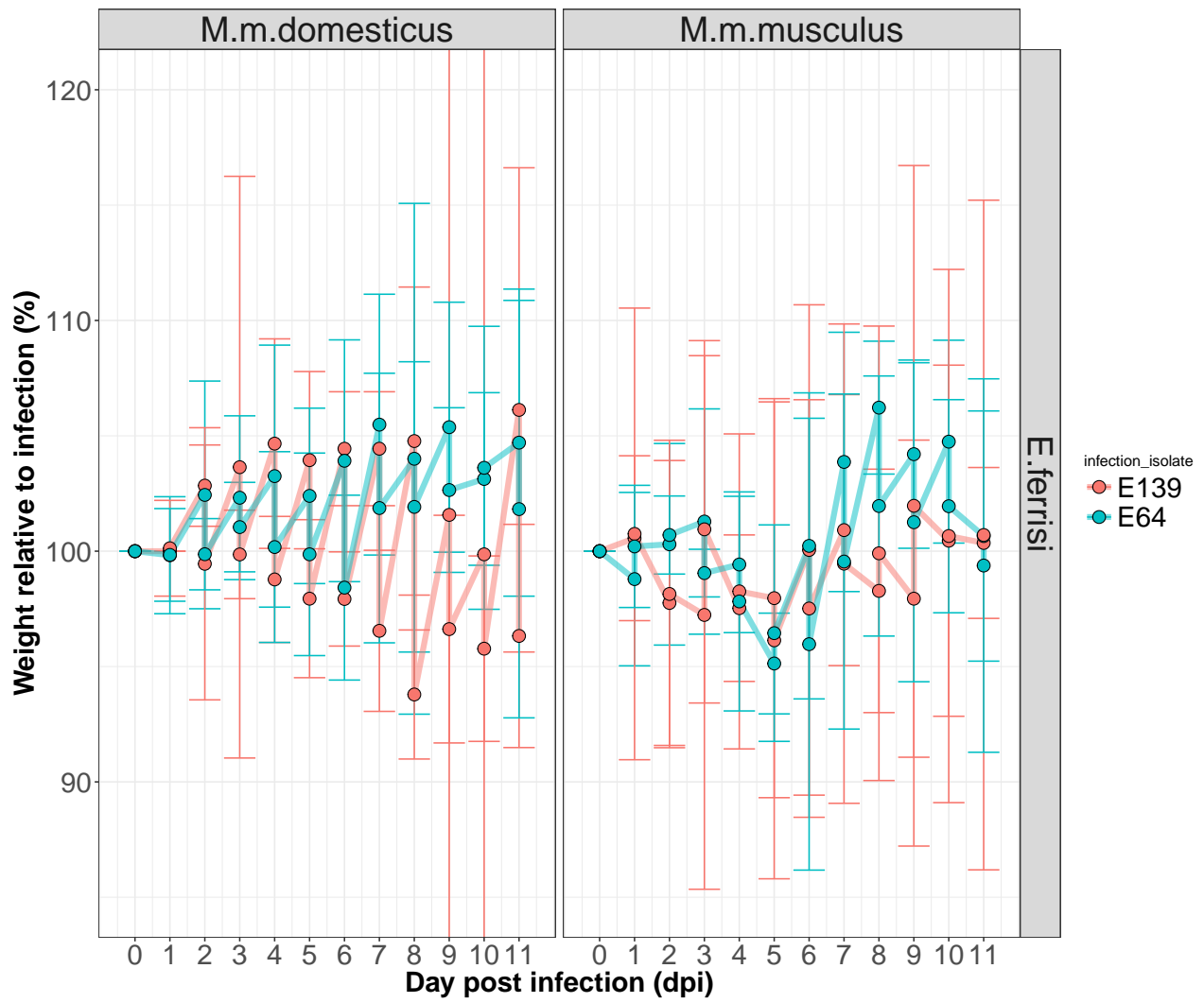


Figure 13: Weight along the infection experiment, mean and 95% CI

## 2. Parasite shedding