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# **Summary**

### Introduction

### **Materials and Methods**

Basic explanation of the models. We modeled a stage-structured population in two stages: immatures and matures. The demography is given by a transition matrix, with...

From ENGEN ET AL (REF NEEDED), we derived equations for mean variation of phenotype on our model.

We have for variations of phenotype, under weak selection:

$$\Delta \overline{z} = (\theta_f - \overline{z}) \left[ \frac{v_I u_I G_I s_0 m \overline{f}_1}{\lambda (P_I + \omega_f)} + \frac{v_I u_M G_M s_0 \overline{f}_2}{\lambda (P_M + \omega_f)} \right]$$
(1)

## Results

Subheading1

Subheading2

**Discussion** 

**Authors Contributions and Acknowledgments** 

References