

Dynamics testing

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Dynamics Model Testing

Maternal Immunity

- Run model with conditions to replicate Bodjo et al paper where offspring immunity dynamics are drawn from.
- Tested duration of maternal immunity in 112 lambs up to 150 days after birth, born to ewes vaccinated with the homologous PPR vaccine “Nigeria 75/1” at day 90 and day 120 of pregnancy.
- Parameters:
 - set 112 lambs to immune compartment
 - set rest of population to 0
 - set mortality, offtake, and all demographic rates (except immune decay) to 0
 - plot proportion immune for first 6 months of simulation
 - plot should mirror the immune decay from Bodjo raw data



