

1 **Table S1** Demographic parameters estimated in Equations S1-S8 and used in the

2 SEIR model

Notation	Parameter description	Values	Source
N	Total population size	30,000	Ref [29]
N_a	Number of animals per age group a	See Fig S3	Ref [47,48]
\bar{N}_a	Number of estimated animals per age group a	See Fig S3	Estimated
δ	Weekly ageing factor	0.021 (1/48)	1month=4 weeks in model
α_{1-9}	Weekly survival rate for age-groups 1 to 9	0.9912	Estimated
α_{10}	Weekly survival rate for age-group 10	0.9938	Estimated

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