INTRODUCTION TO COLGEM: COALESCENT LIKELIHOOD FOR GENERALIZED EPIDEMIOLOGIC MODELS

ERIK M. VOLZ, ETHAN O. ROMERO-SEVERSON, AND NOT SURE WHO ALL IS ON THIS LIST OR THE ORDER

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1. What colgem does

colgem is intended to provide a simple set of methods for calculating the likelihood of a coalescent geneology under the assumption of user-defined epidemiologic model of arbitrary complexity. Typically the coalescent geneology not directly observed unobserved but rather estimated from a set of sequence data using relaxed clock phylogentic methods [XXX-beast]

2. Coalescent likelihood for an unstructred epidemiologic model

An unstructed epimiologic model is any model where there is only one infected class.

3. Coalescent likelihood for a structred epidemiologic model

E.M. Volz,, Department of Public Health,, Imperial College

 $E\text{-}mail\ address{:}\ \mathtt{eriks}\ \mathtt{email}$

 URL : http://??????

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