**Chapter 3**

%% number of eukaryotic species from the DToL project

%% Peto's paradox

%% limited study of somatic mutational processes in other non-human samples: C-elegans and Drosophila melanogaster

%% limited studyt of germline mutational processes

%% TiTv ratio

%% SBS6 classification

%% Life cycle of animals

%% recipe for evolution: mutation, natural selection, speciation,

%% cold blood

%% environment, habitat

%% endogenous, exogenous processes

%% somatic mutation: DNA damage, repair and fixaton %% clonality

%% germline and somatic mutational processes could be shared

%% Darwin Tree of Life project aims to sequence and assemble 66,000 species in Britain and Island

%% somatic theory of aging: somatic mutations increases with age and the accumulation of somatic mutations impairs cellular functions

%% placenta

\section{Introduction}

\section{Materials \& Methods}

\section{Results}

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\section{Discussion}

\subsection{Samples without somatic mutations}

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