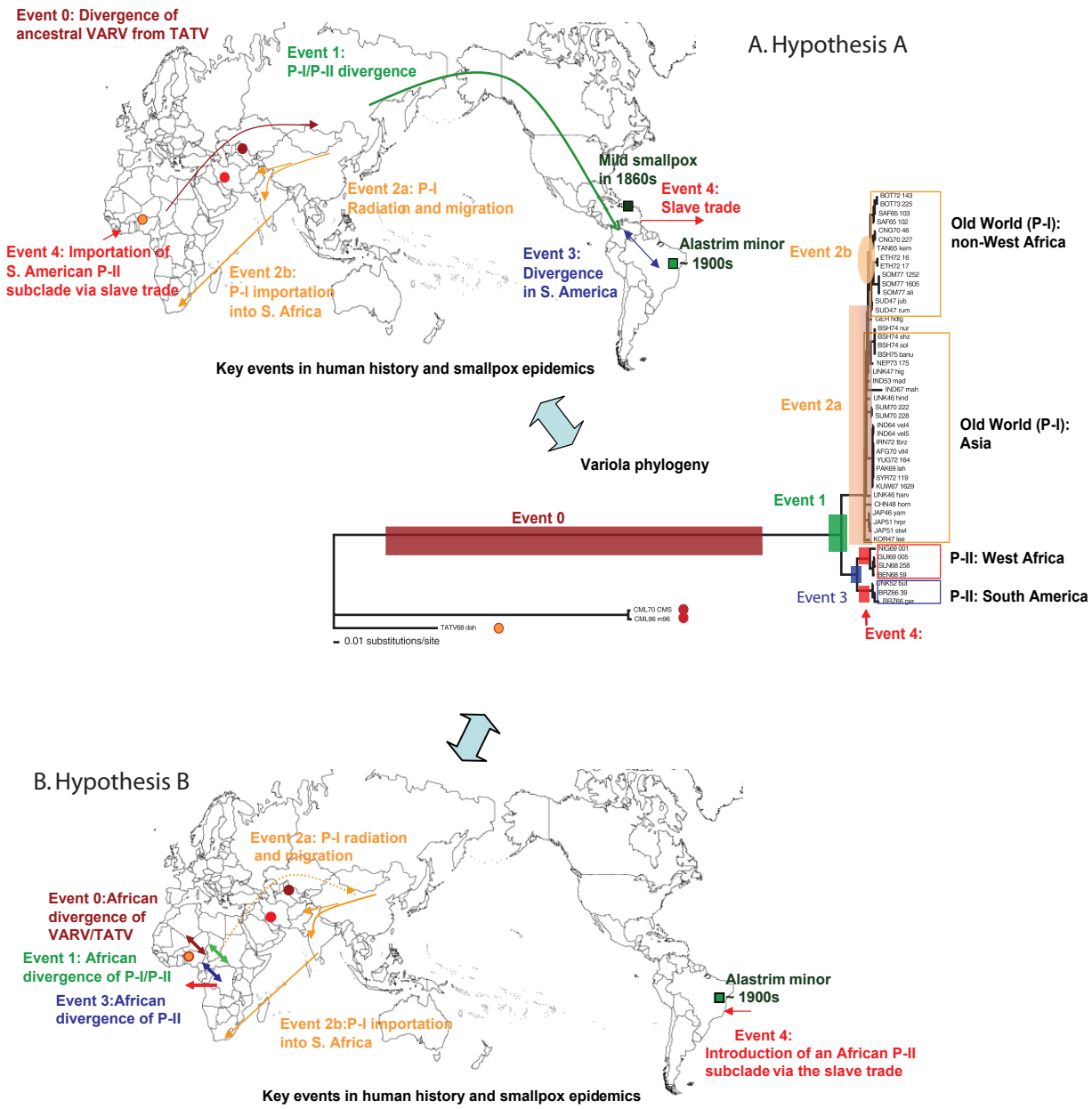
A. Hypothesis A
Event 0: Divergence of ancestral VARV from TATV
Event 1: P-I/P-II divergence
Event 2a: P-I Radiation and migration
Event 2b: P-I importation into S. Africa
Event 3: Divergence in S. America
Event 4: Slave trade
Event 4: Importation of S. American P-II subclade via slave trade
Mild smallpox in 1860s
Alastrim minor ~ 1900s
Key events in human history and smallpox epidemics
Variola phylogeny
Event 0
Event 1
Event 2a
Event 2b
Event 3
Event 4:
Old World (P-I): non-West Africa
Old World (P-I): Asia
P-II: West Africa
P-II: South America
0.01 substitutions/site
B. Hypothesis B
Event 0:African divergence of VARV/TATV
Event 1: African divergence of P-I/P-II
Event 3:African divergence of P-II
Event 2a: P-I radiation and migration
Event 2b:P-I importation into S. Africa
Alastrim minor ~ 1900s
Event 4: Introduction of an African P-II subclade via the slave trade
Key events in human history and smallpox epidemics