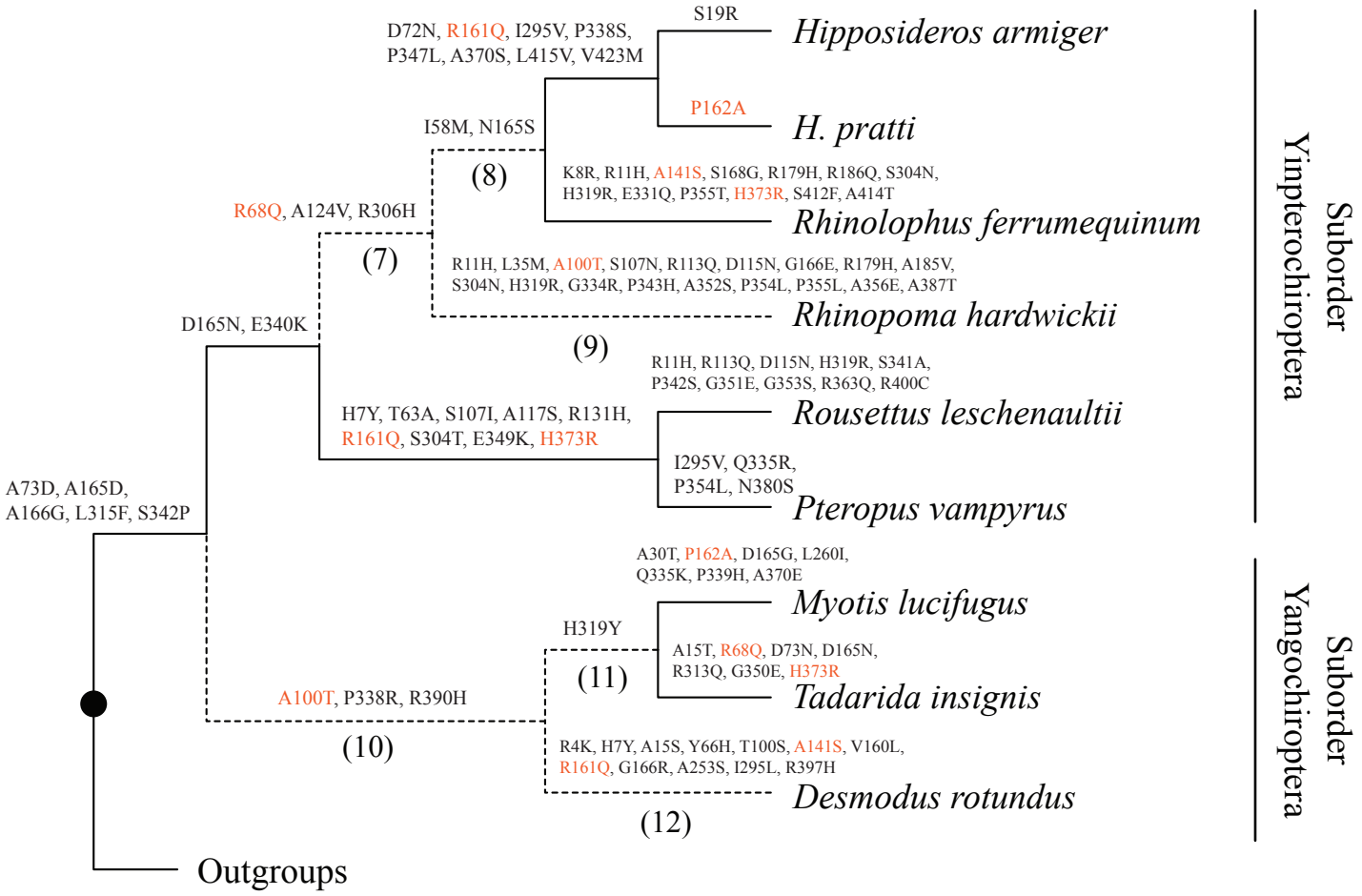
D72N, R161Q, I295V, P338S,
P347L, A370S, L415V, V423M
S19R
Hipposideros armiger
P162A
H. pratti
I58M, N165S
(8)
K8R, R11H, A141S, S168G, R179H, R186Q, S304N,
H319R, E331Q, P355T, H373R, S412F, A414T
Rhinolophus ferrumequinum
R68Q, A124V, R306H
(7)
R11H, L35M, A100T, S107N, R113Q, D115N, G166E, R179H, A185V,
S304N, H319R, G334R, P343H, A352S, P354L, P355L, A356E, A387T
Rhinopoma hardwickii
D165N, E340K
(9)
R11H, R113Q, D115N, H319R, S341A,
P342S, G351E, G353S, R363Q, R400C
H7Y, T63A, S107I, A117S, R131H,
R161Q, S304T, E349K, H373R
Rousettus leschenaultii
I295V, Q335R,
P354L, N380S
Pteropus vampyrus
A73D, A165D,
A166G, L315F, S342P
A30T, P162A, D165G, L260I,
Q335K, P339H, A370E
Myotis lucifugus
H319Y
(11)
A15T, R68Q, D73N, D165N,
R313Q, G350E, H373R
Tadarida insignis
A100T, P338R, R390H
(10)
R4K, H7Y, A15S, Y66H, T100S, A141S, V160L,
R161Q, G166R, A253S, I295L, R397H
Desmodus rotundus
(12)
Outgroups
Suborder
Yinpterochiroptera
Suborder
Yangochiroptera