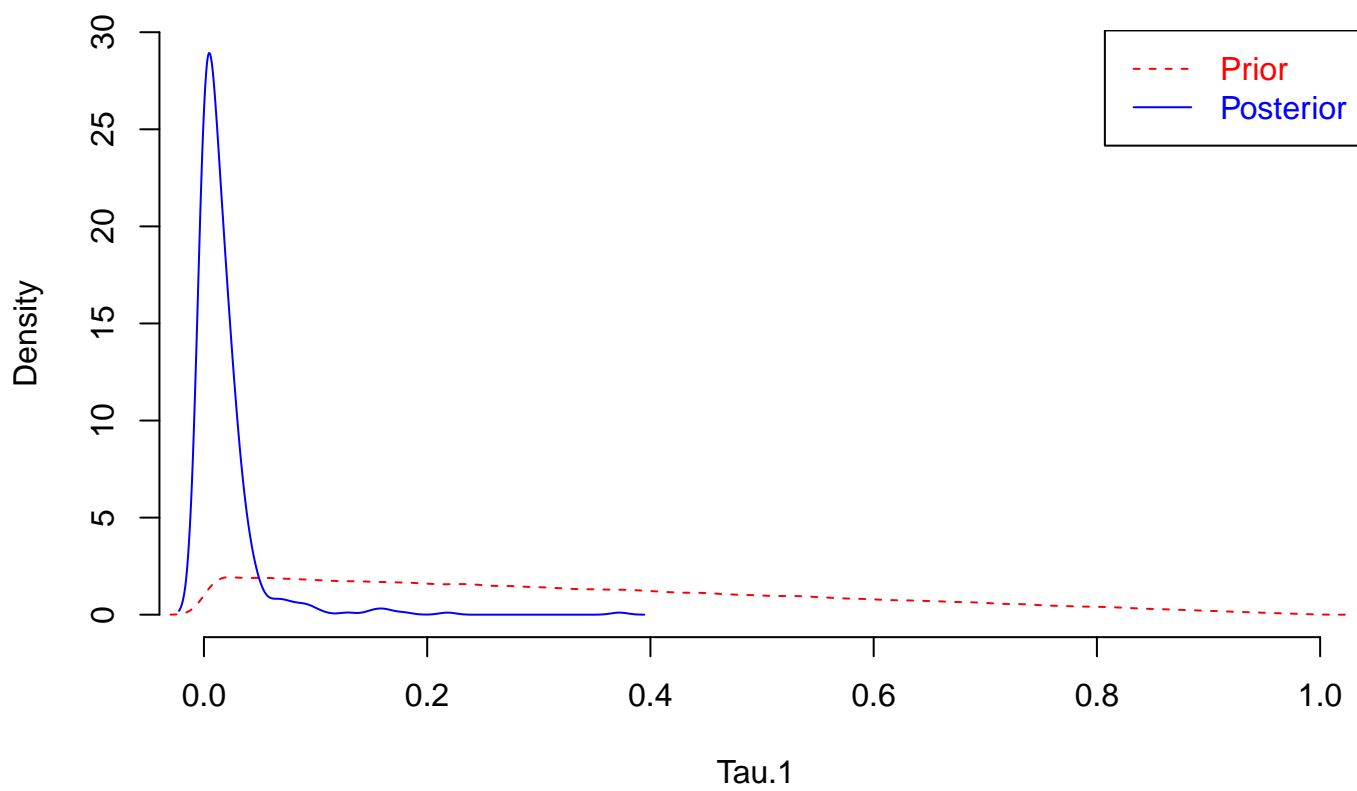
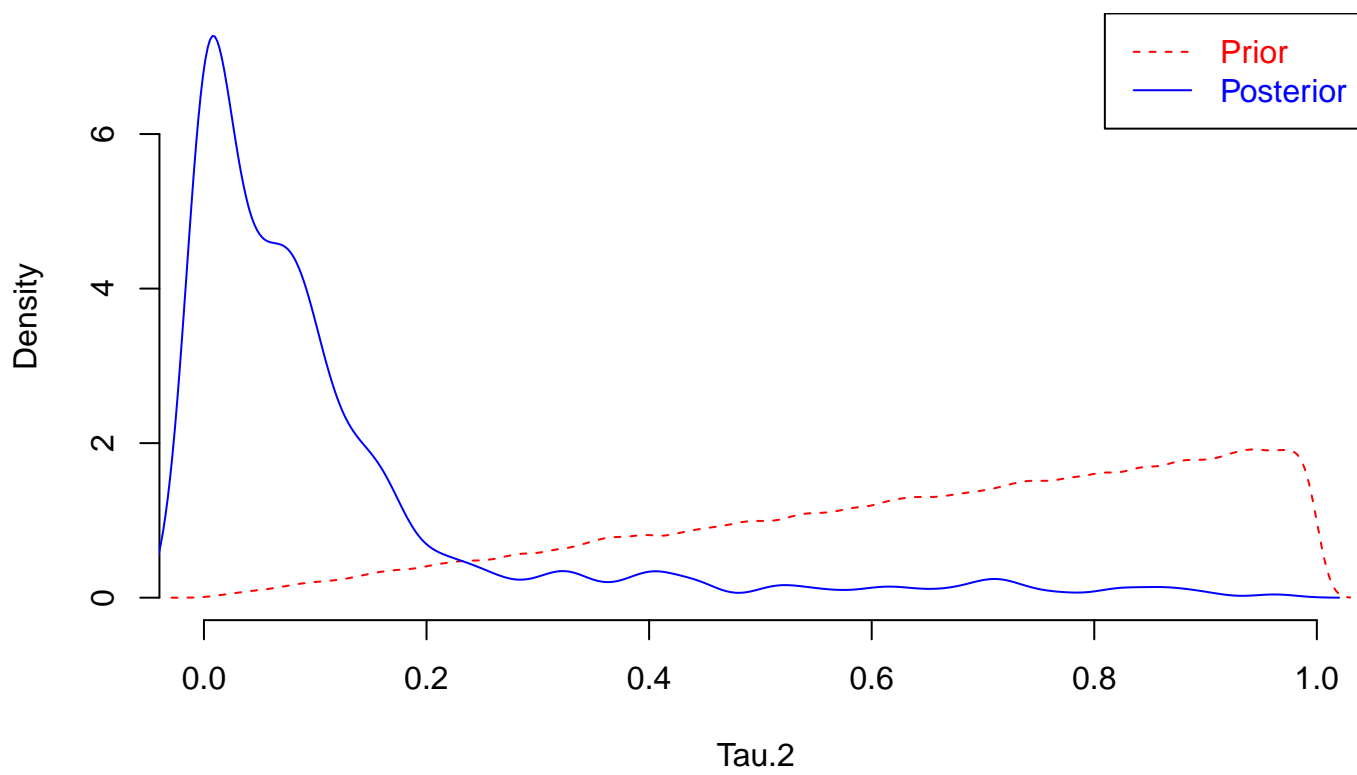


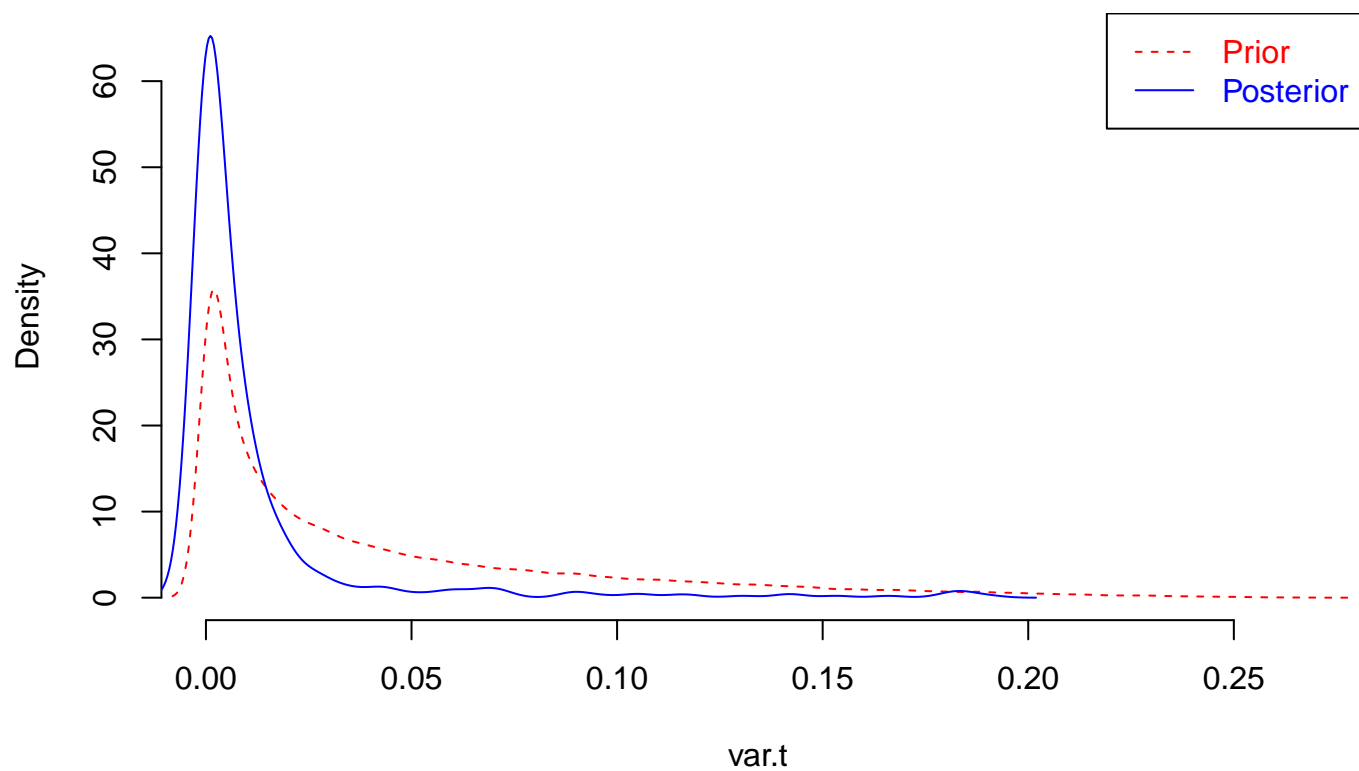
**Tau.1**



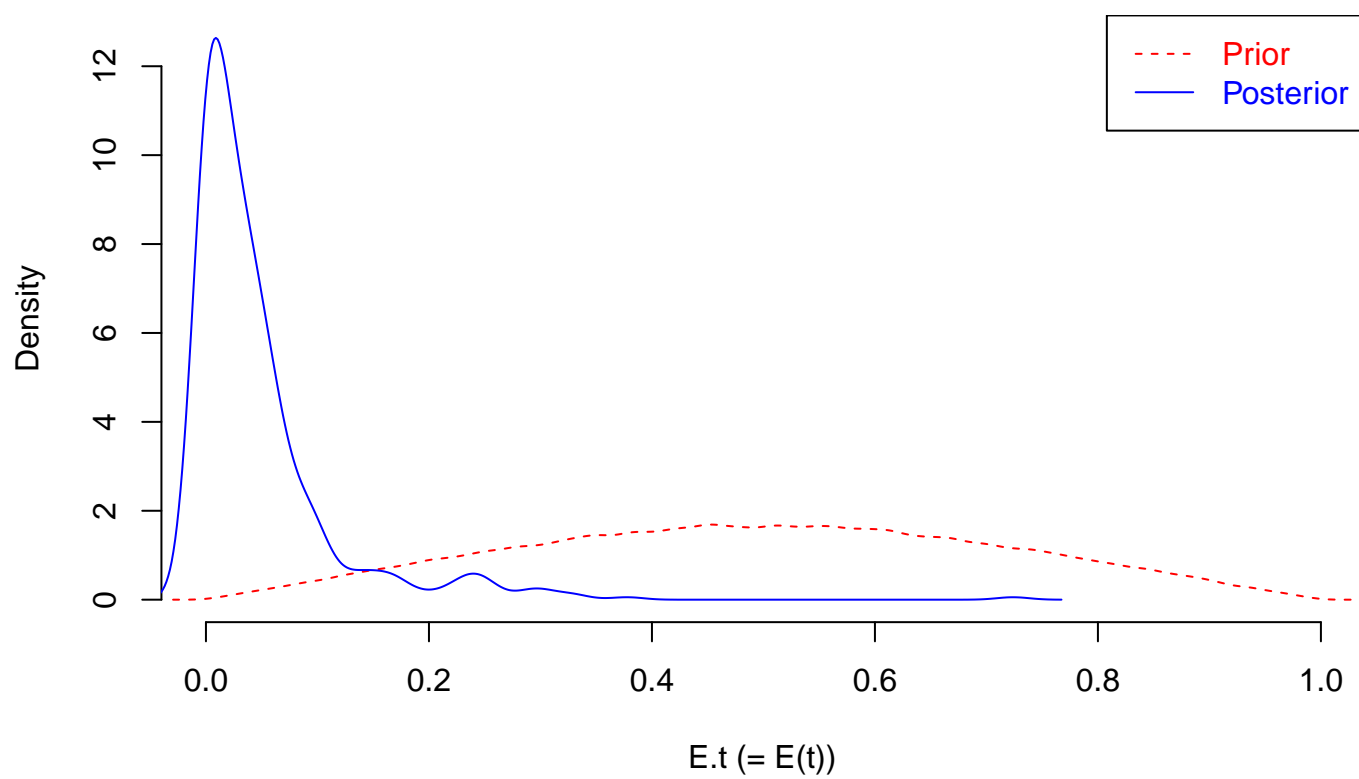
**Tau.2**



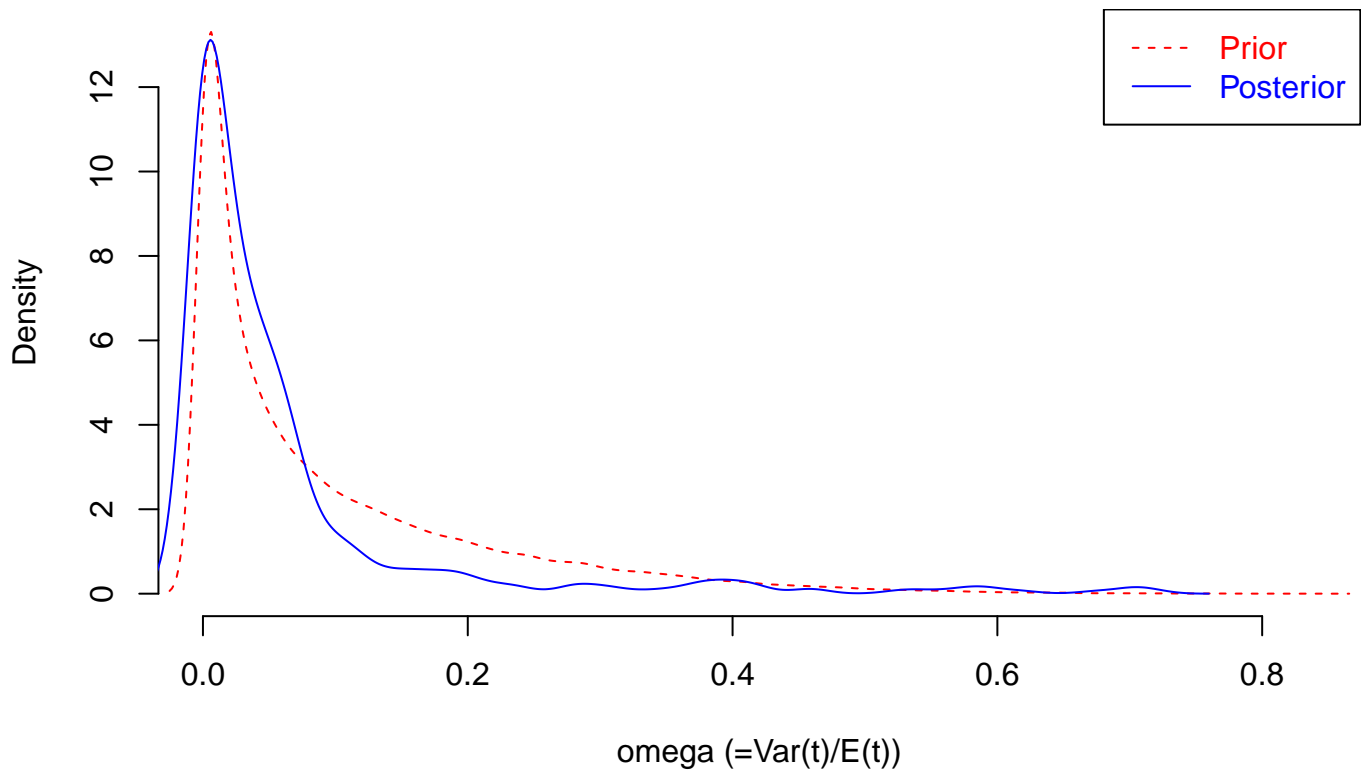
**var.t**



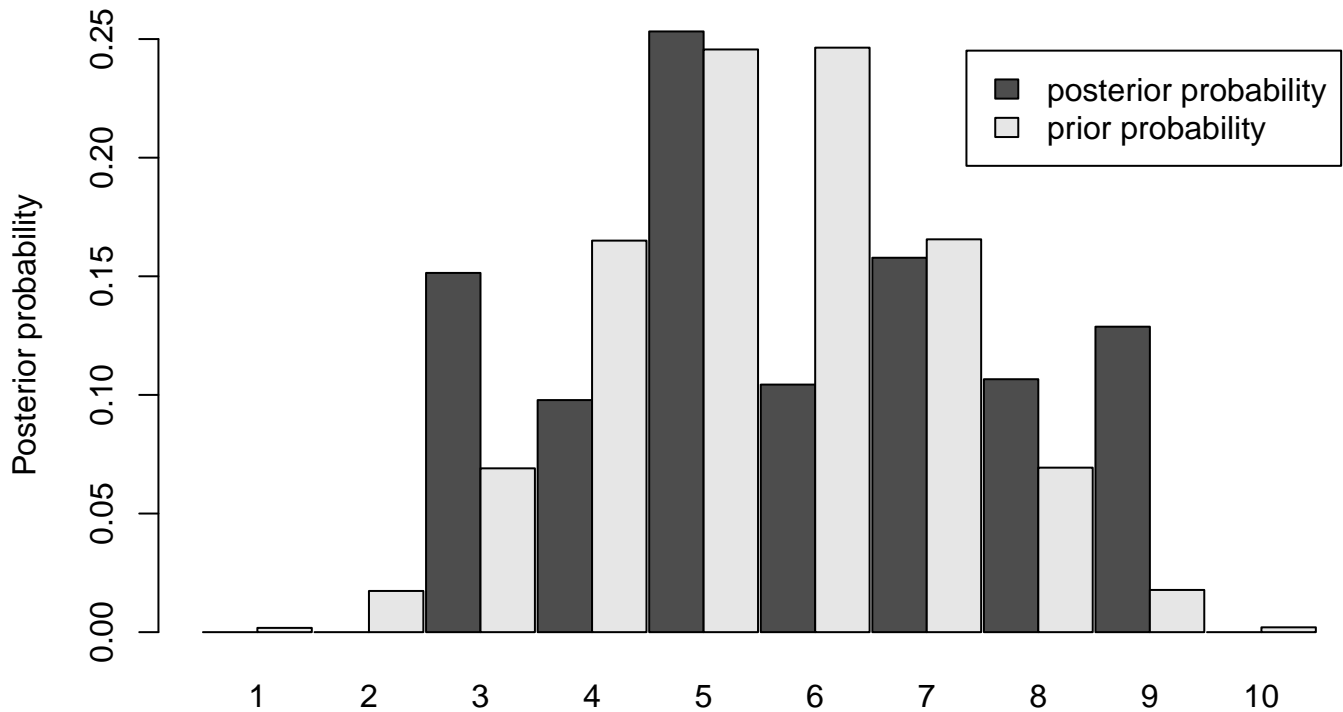
**E.t (= E(t))**



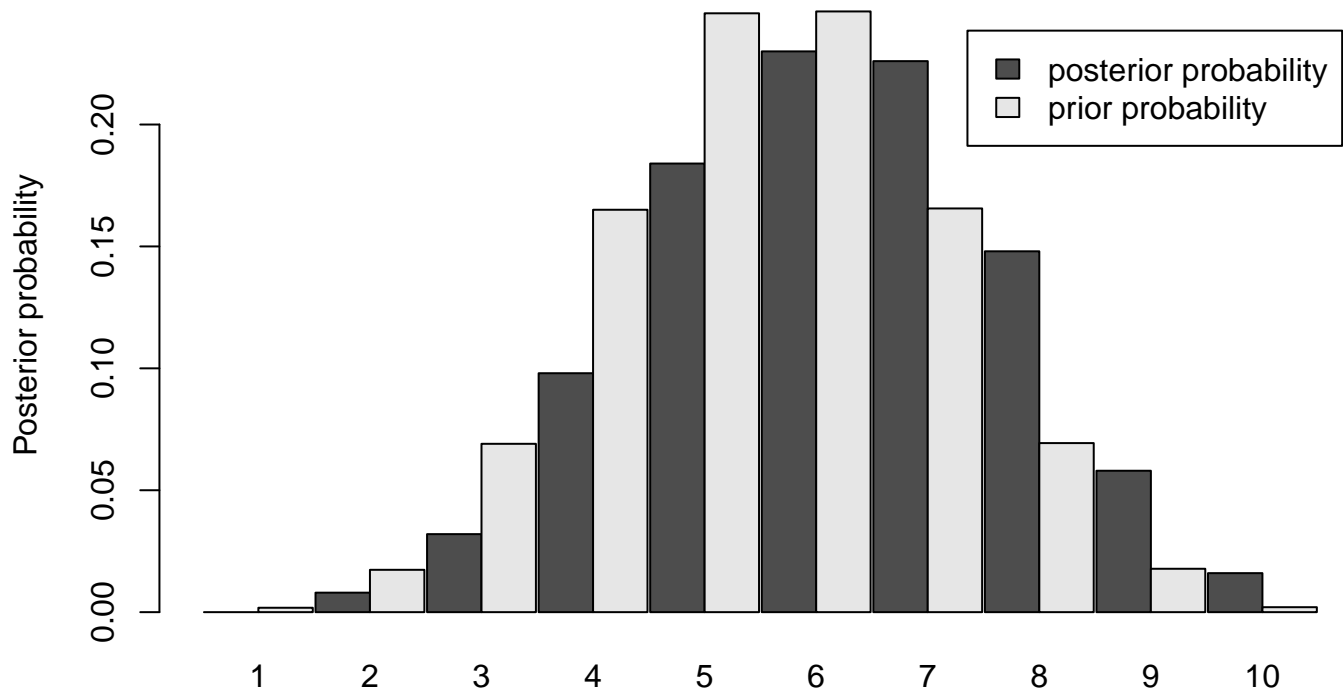
**$\omega$  (=Var(t)/E(t))**



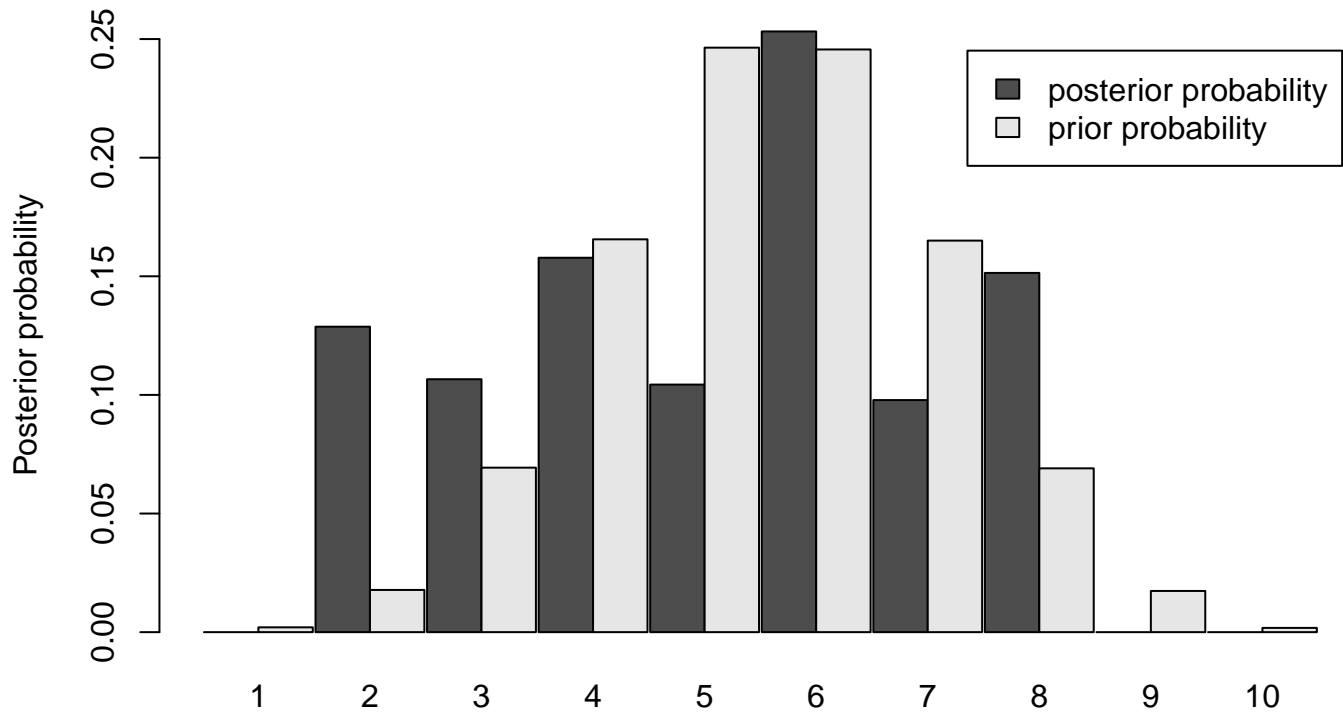
**Psi.1 (= number of taxon pairs that divergence at corresponding tau)  
With categorical regression**



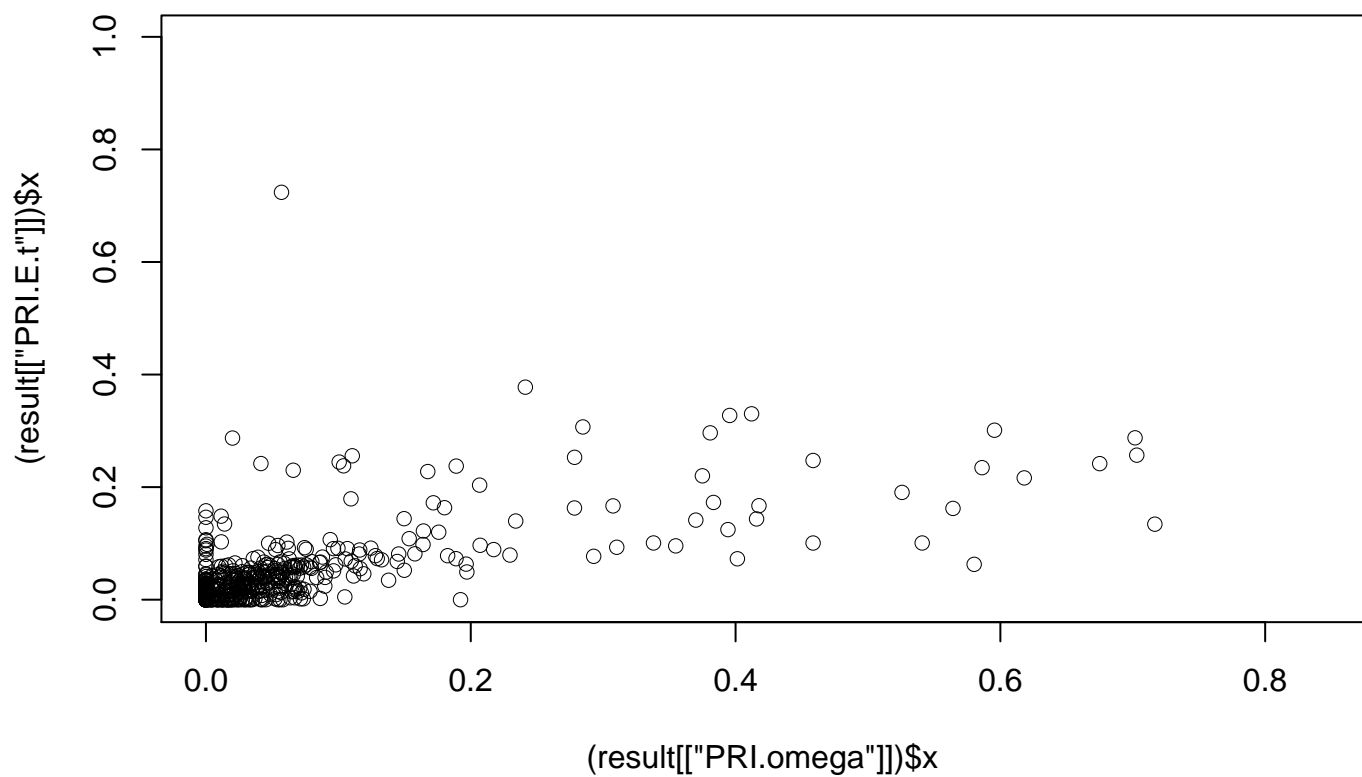
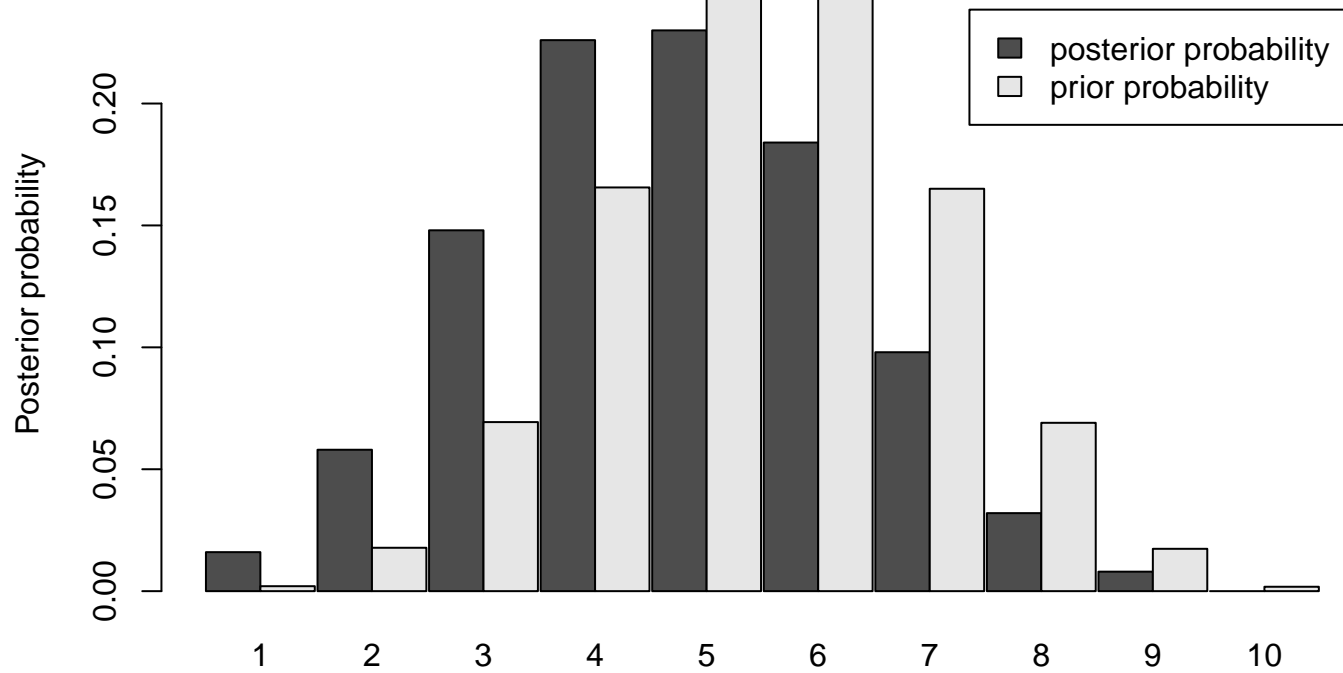
**Psi.1 (= number of taxon pairs that divergence at corresponding tau)  
With Simple Rejection**



**Psi.2 (= number of taxon pairs that divergence at corresponding tau)  
With categorical regression**



**Psi.2 (= number of taxon pairs that divergence at corresponding tau)  
With Simple Rejection**



## Joint Density of Omega and E(t)

