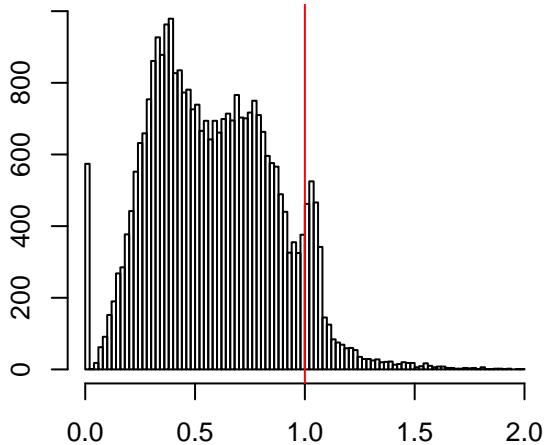


Figure S13

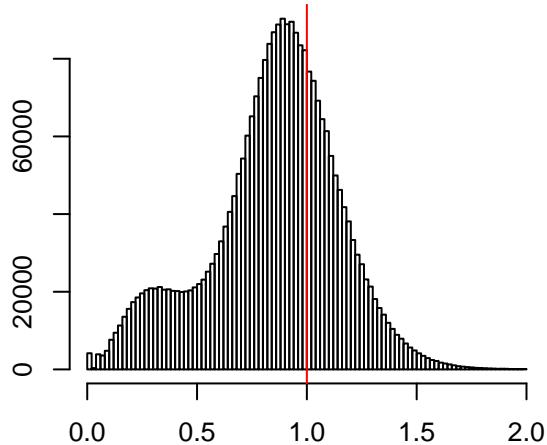
Distributions of CpG<sub>O/E</sub> and GpC<sub>O/E</sub> estimated for protein coding genes and entire genomes for all studied chelicerate genome sequences.

### CpG O/E



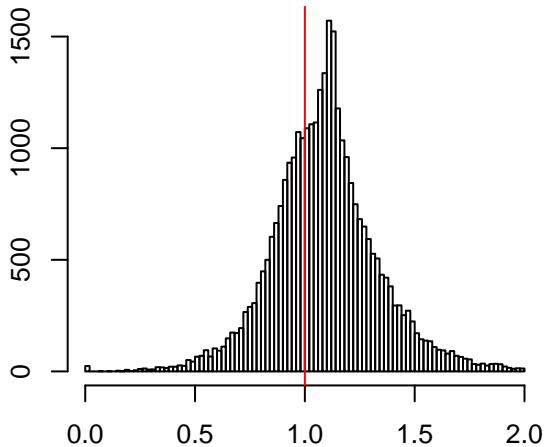
*Stegodyphus mimosarum* – genes

### CpG O/E



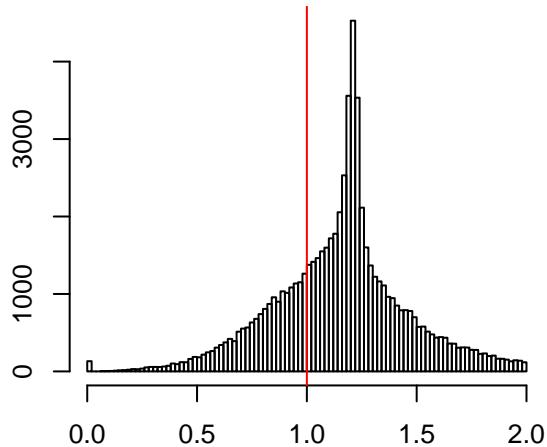
*Stegodyphus mimosarum* – genome

### GpC O/E



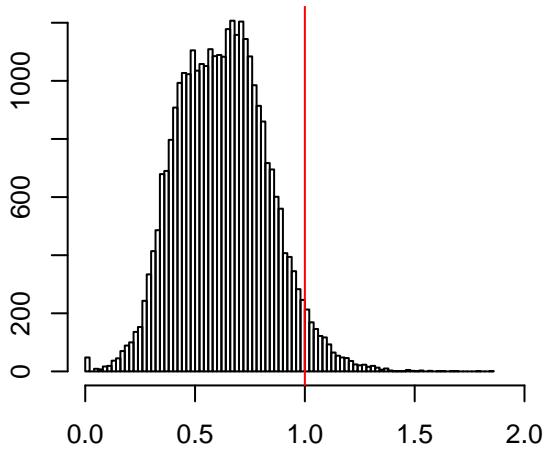
*Stegodyphus mimosarum* – genes

### GpC O/E



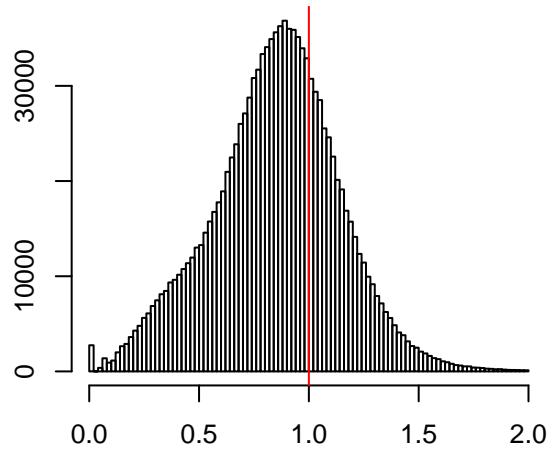
*Stegodyphus mimosarum* – genome

### CpG O/E



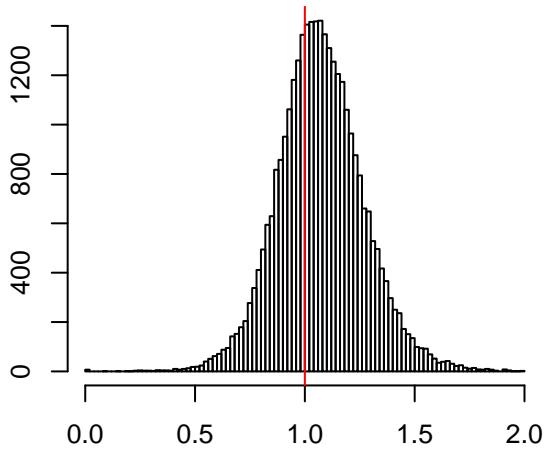
*Parasteatoda tepidariorum* – genes

### CpG O/E



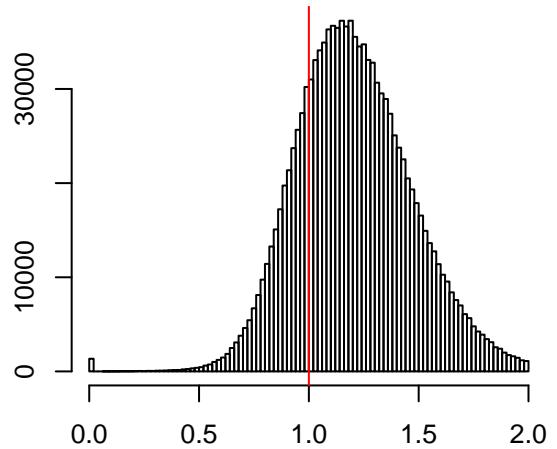
*Parasteatoda tepidariorum* – genome

### GpC O/E



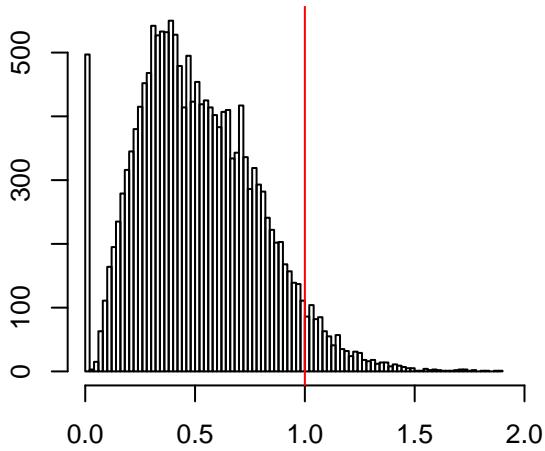
*Parasteatoda tepidariorum* – genes

### GpC O/E



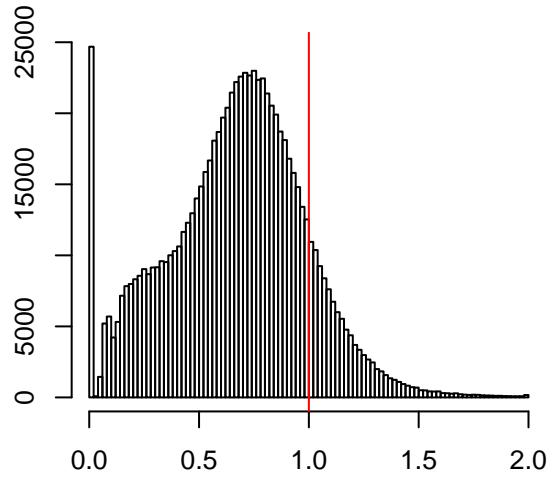
*Parasteatoda tepidariorum* – genome

### CpG O/E



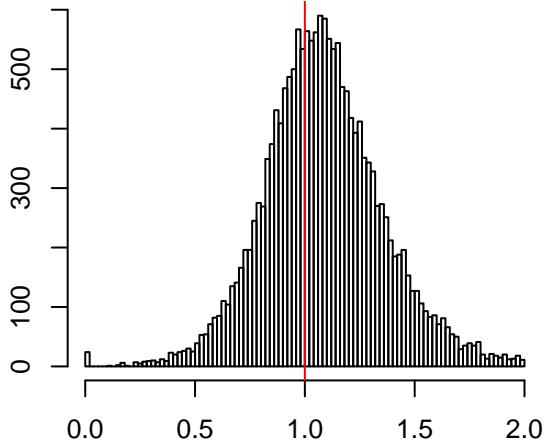
*Latrodectus hesperus* – genes

### CpG O/E



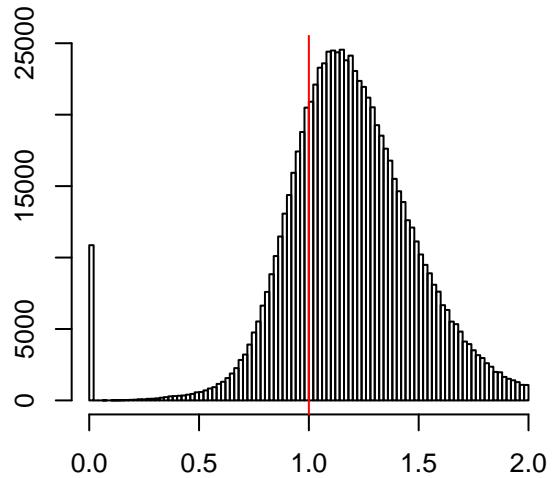
*Latrodectus hesperus* – genome

### GpC O/E



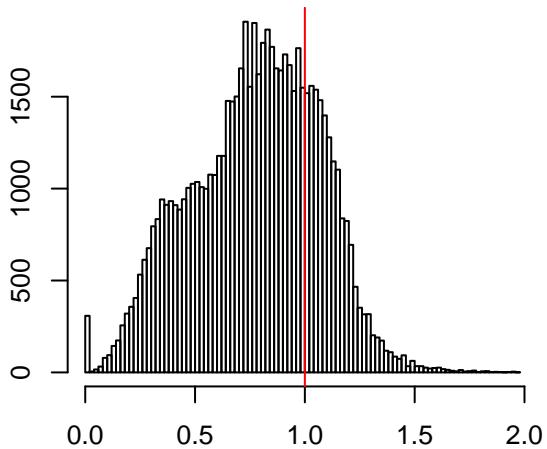
*Latrodectus hesperus* – genes

### GpC O/E



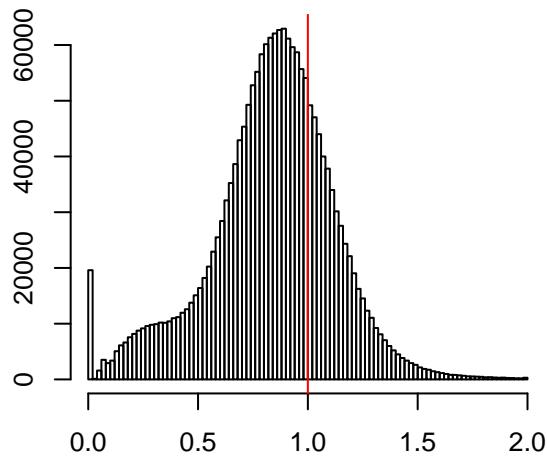
*Latrodectus hesperus* – genome

### CpG O/E



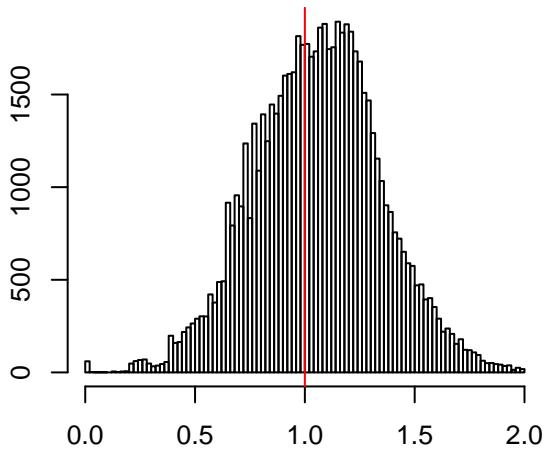
*Nephtila clavipes* – genes

### CpG O/E



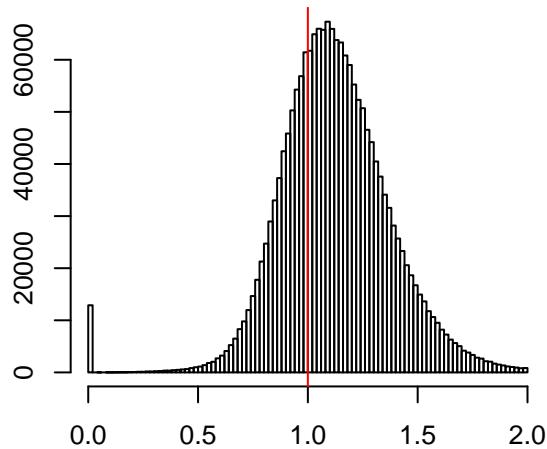
*Nephtila clavipes* – genome

### GpC O/E



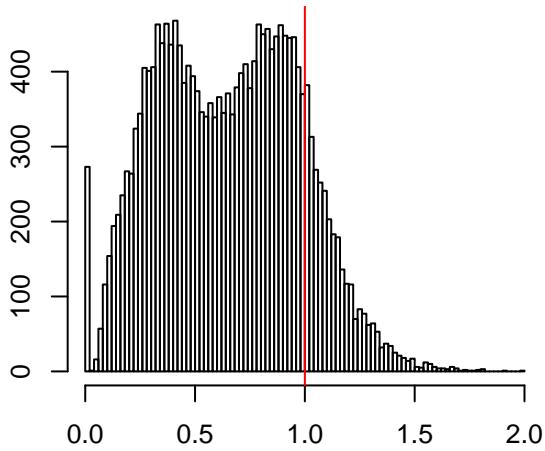
*Nephtila clavipes* – genes

### GpC O/E



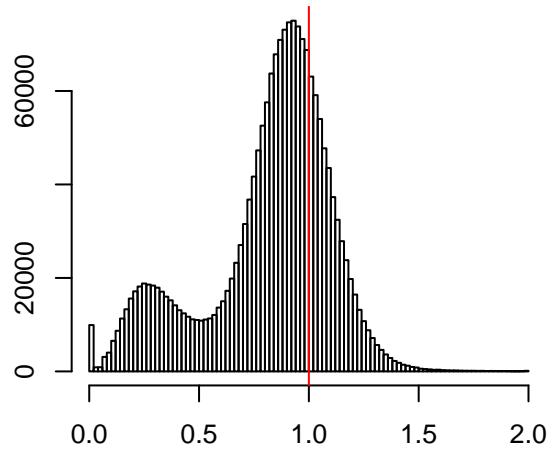
*Nephtila clavipes* – genome

### CpG O/E



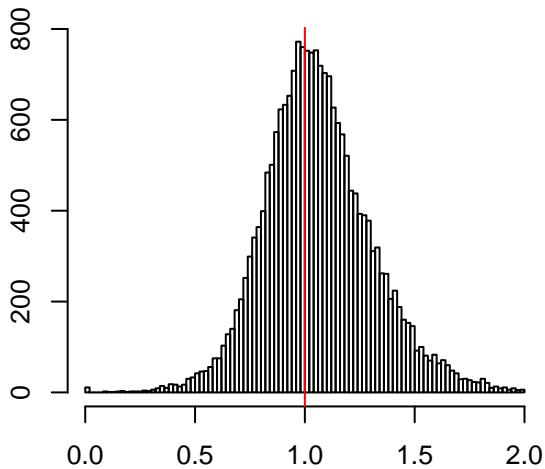
*Loxosceles reclusa* – genes

### CpG O/E



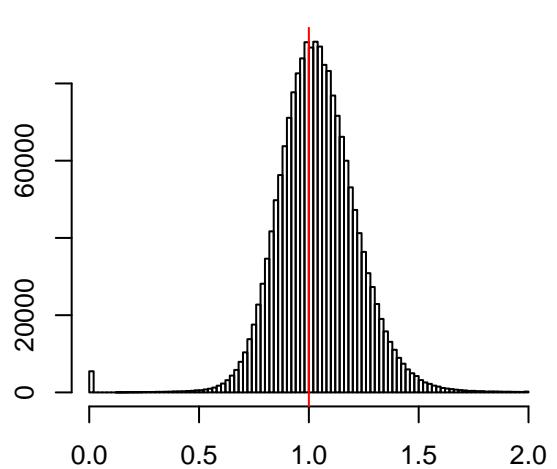
*Loxosceles reclusa* – genome

### GpC O/E



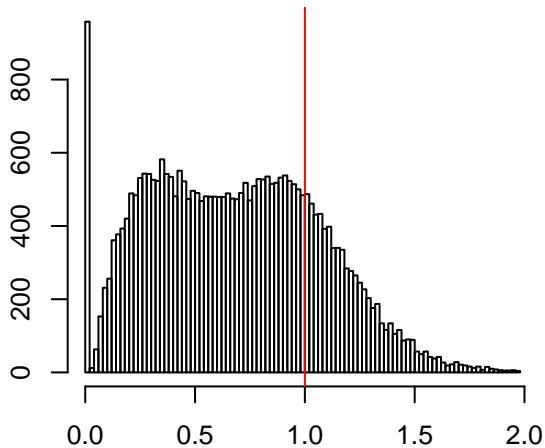
*Loxosceles reclusa* – genes

### GpC O/E



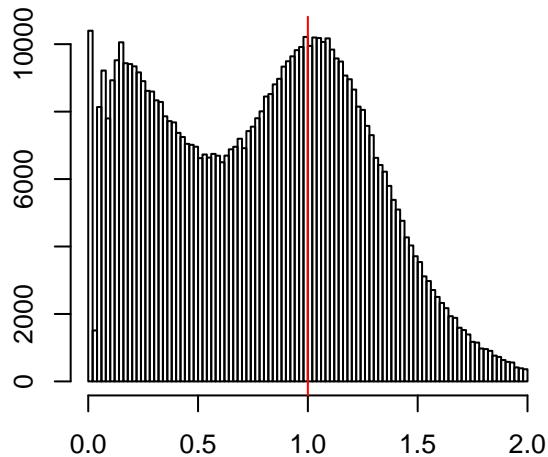
*Loxosceles reclusa* – genome

### CpG O/E



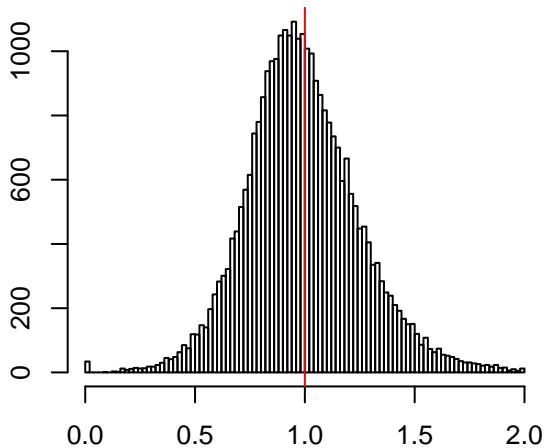
*Centruroides sculpturatus* – genes

### CpG O/E



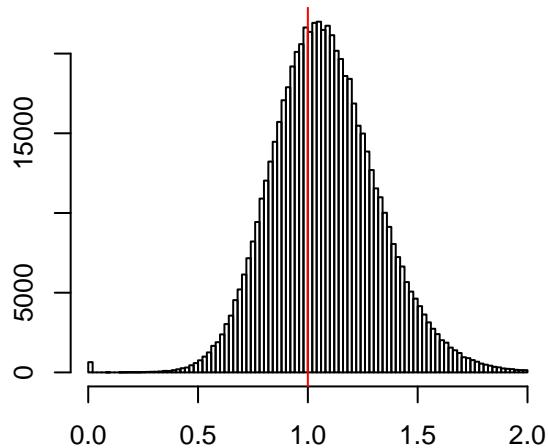
*Centruroides sculpturatus* – genome

### GpC O/E



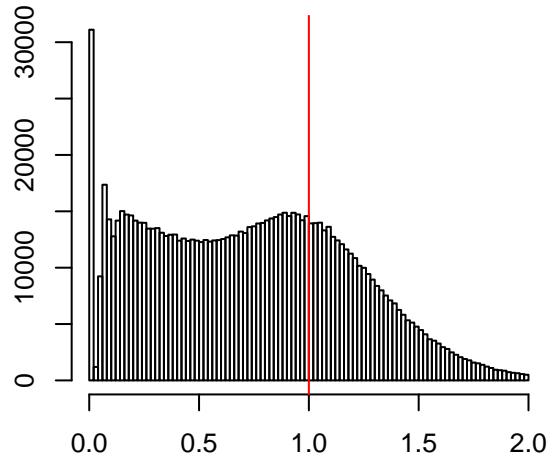
*Centruroides sculpturatus* – genes

### GpC O/E



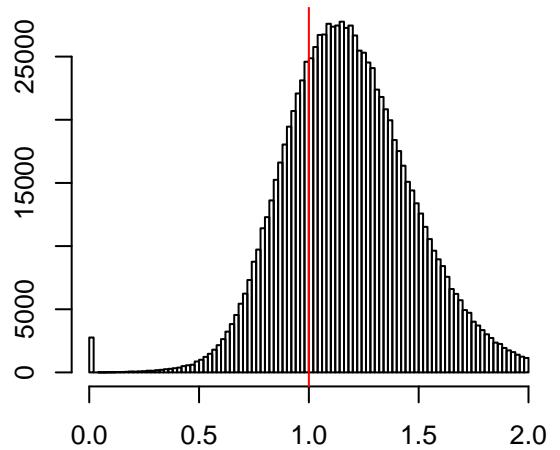
*Centruroides sculpturatus* – genome

### CpG O/E



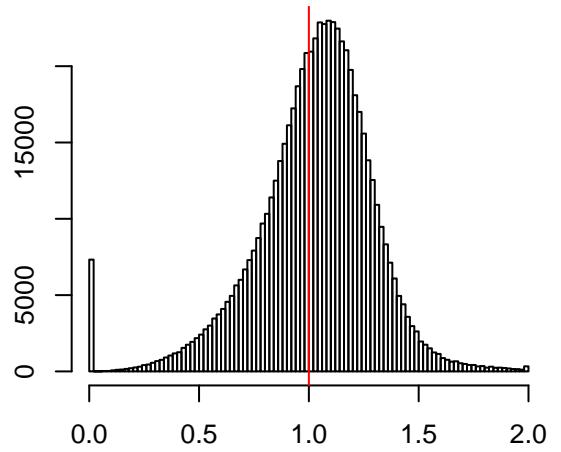
Mesobuthus martensii – genome

### GpC O/E



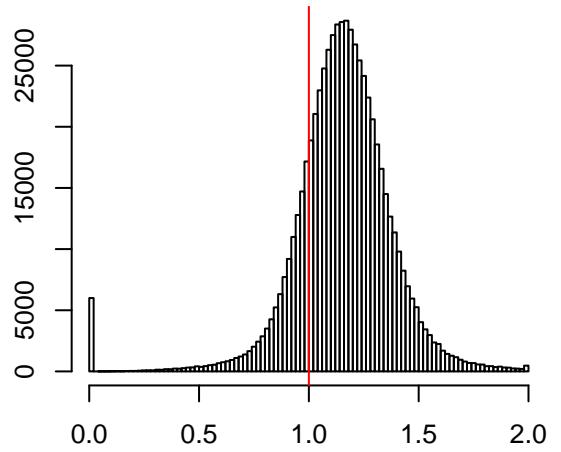
Mesobuthus martensii – genome

### CpG O/E



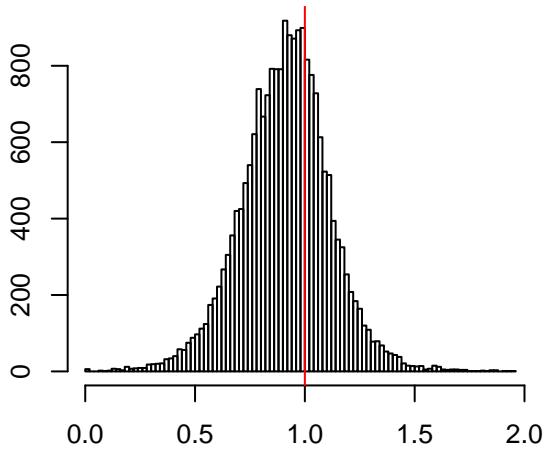
*Ixodes ricinus* – genome

### GpC O/E



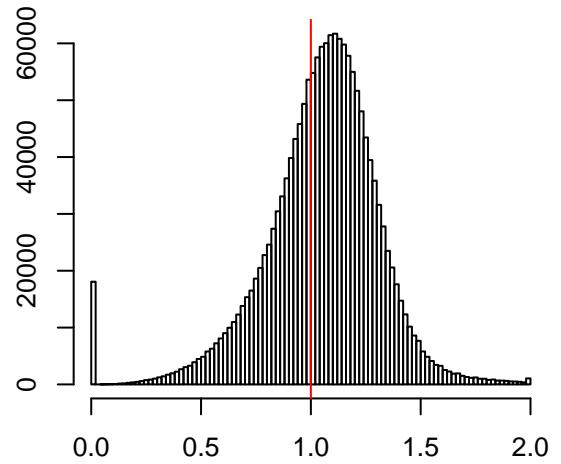
*Ixodes ricinus* – genome

### CpG O/E



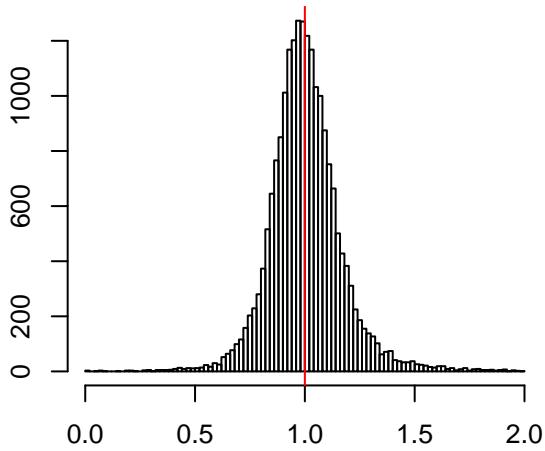
*Ixodes scapularis* – genes

### CpG O/E



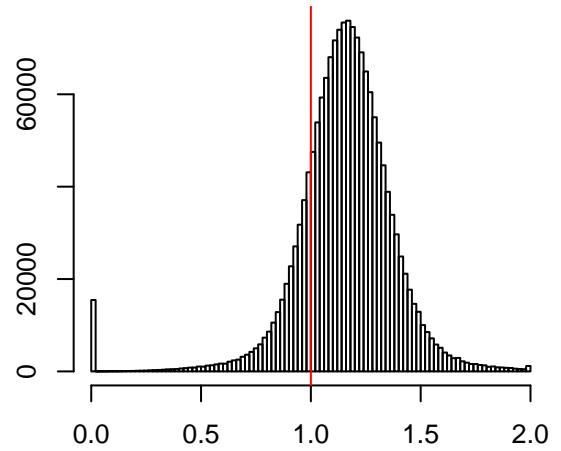
*Ixodes scapularis* – genome

### GpC O/E



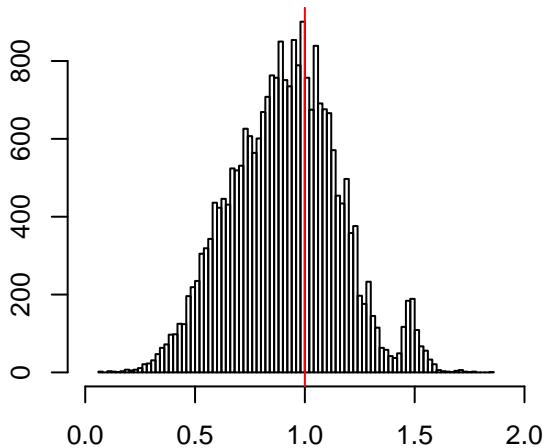
*Ixodes scapularis* – genes

### GpC O/E



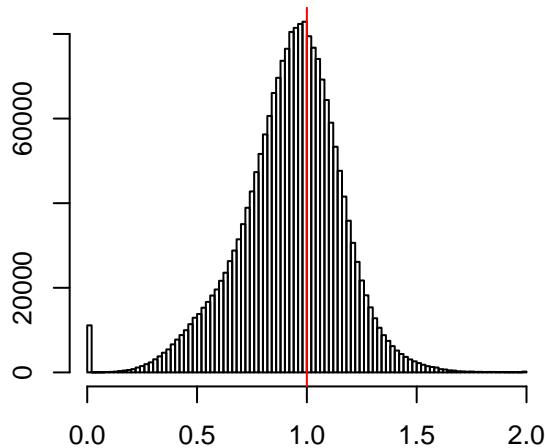
*Ixodes scapularis* – genome

### CpG O/E



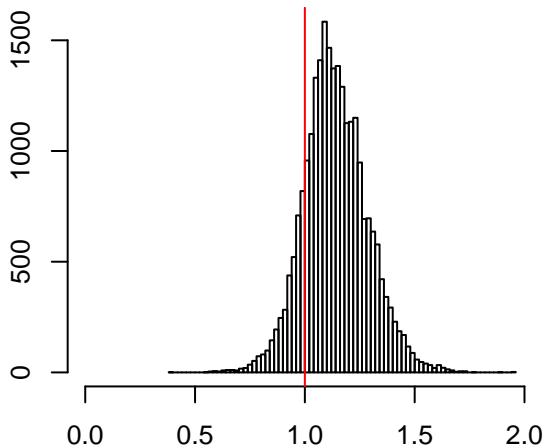
*Rhipicephalus microplius* – genes

### CpG O/E



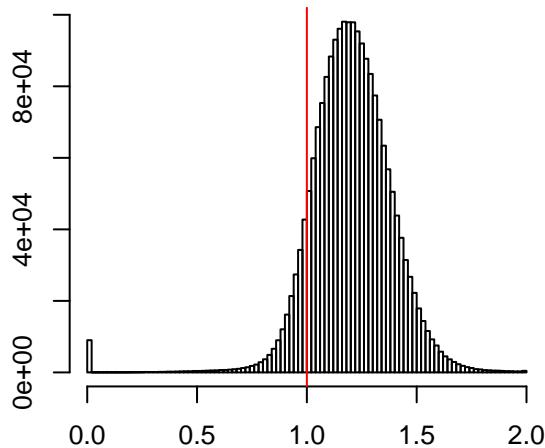
*Rhipicephalus microplius* – genome

### GpC O/E



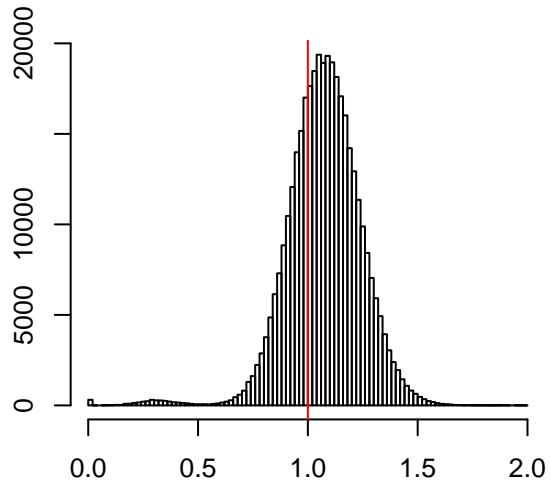
*Rhipicephalus microplius* – genes

### GpC O/E



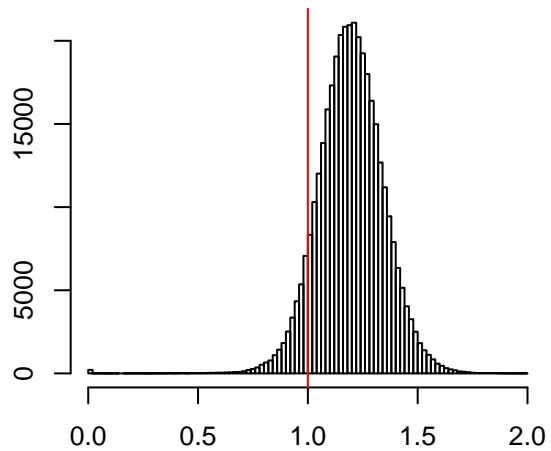
*Rhipicephalus microplius* – genome

### CpG O/E



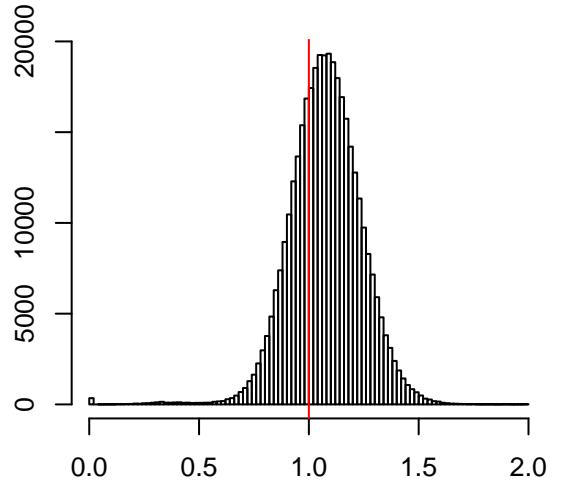
Varroa destructor - genome

### GpC O/E



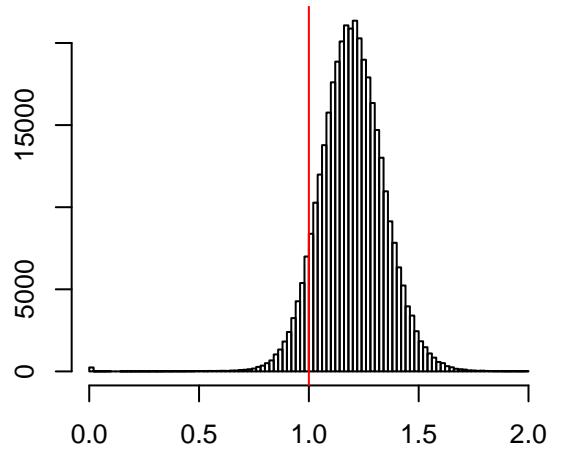
Varroa destructor - genome

### CpG O/E



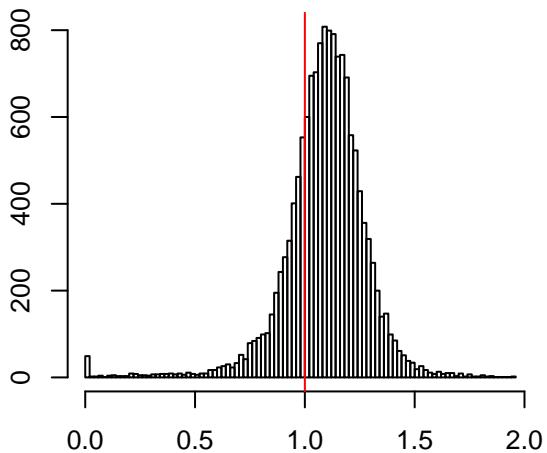
Varroa jacobsoni – genome

### GpC O/E



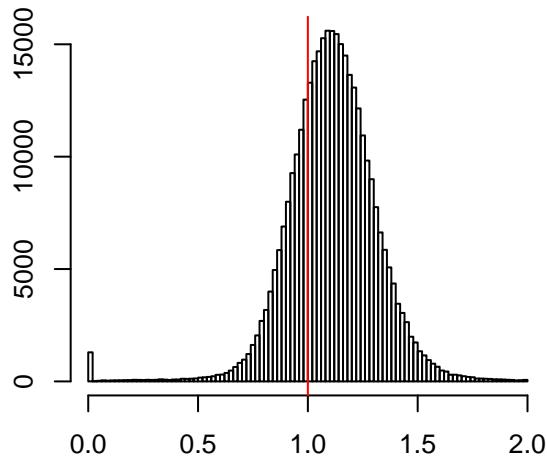
Varroa jacobsoni – genome

### CpG O/E



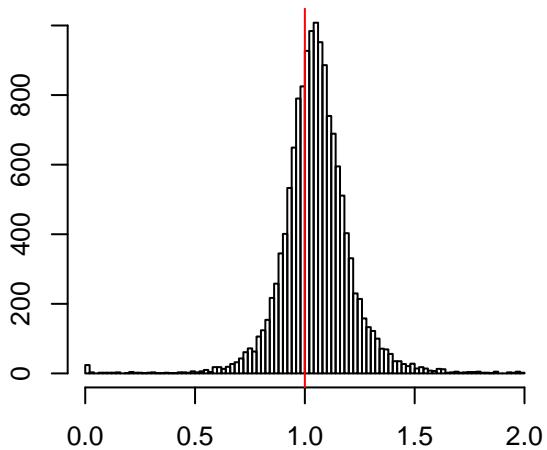
*Tropilaelaps mercedecae* – genes

### CpG O/E



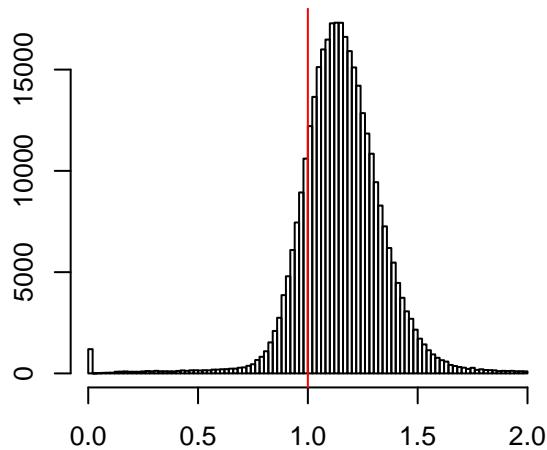
*Tropilaelaps mercedecae* – genome

### GpC O/E



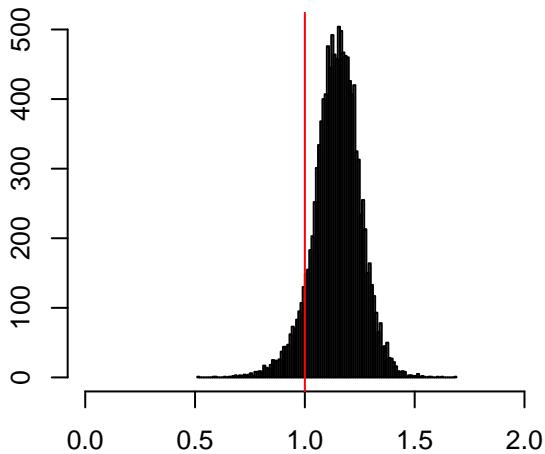
*Tropilaelaps mercedecae* – genes

### GpC O/E



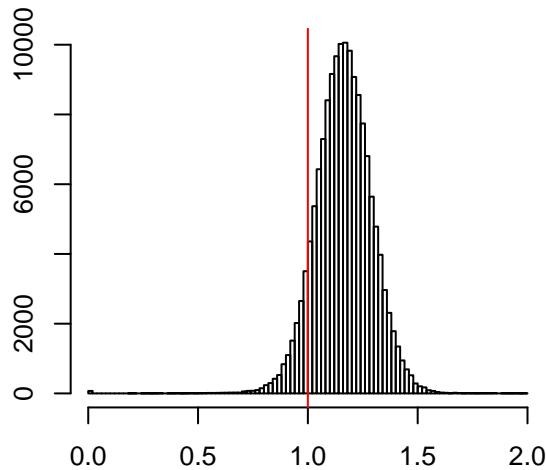
*Tropilaelaps mercedecae* – genome

### CpG O/E



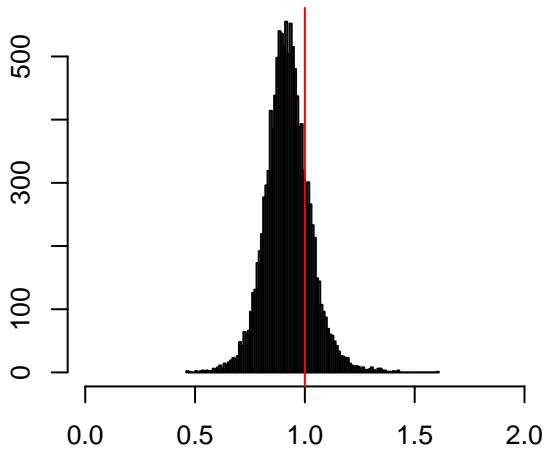
*Metaseiulus occidentalis* – genes

### CpG O/E



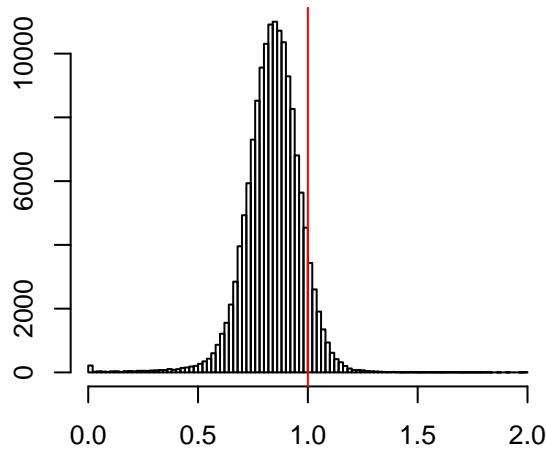
*Metaseiulus occidentalis* – genome

### GpC O/E



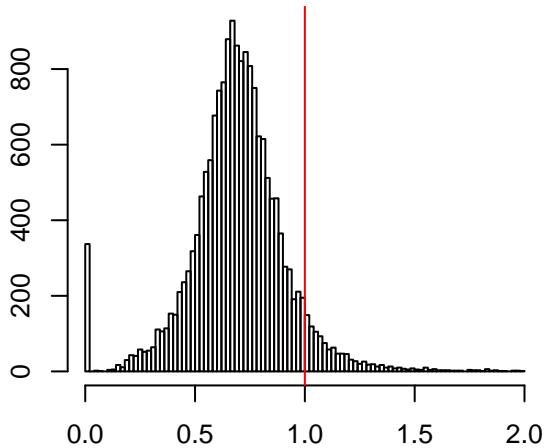
*Metaseiulus occidentalis* – genes

### GpC O/E



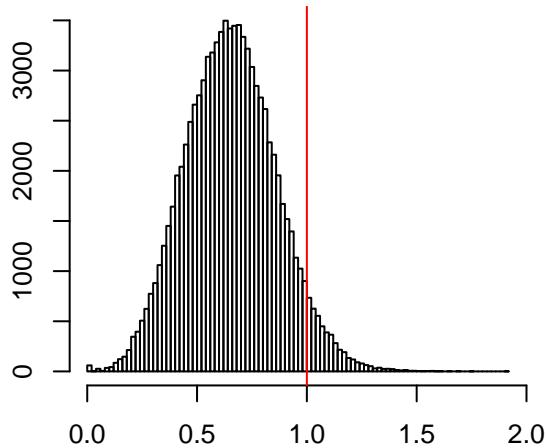
*Metaseiulus occidentalis* – genome

### CpG O/E



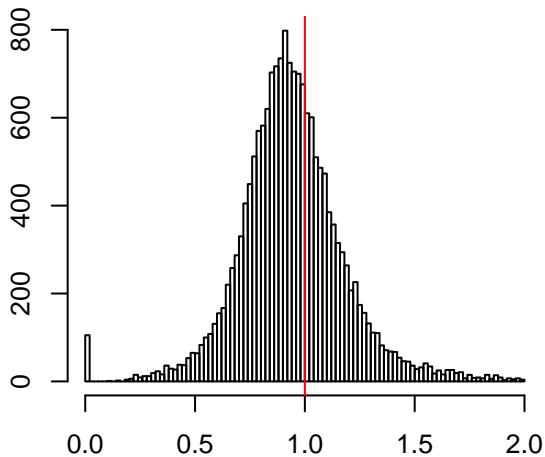
*Tetrahymena urticae* – genes

### CpG O/E



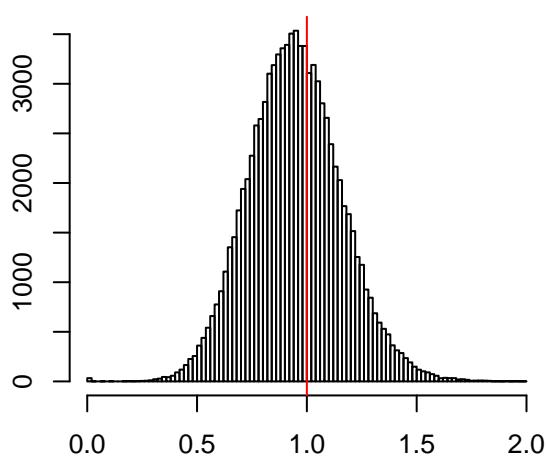
*Tetrahymena urticae* – genome

### GpC O/E



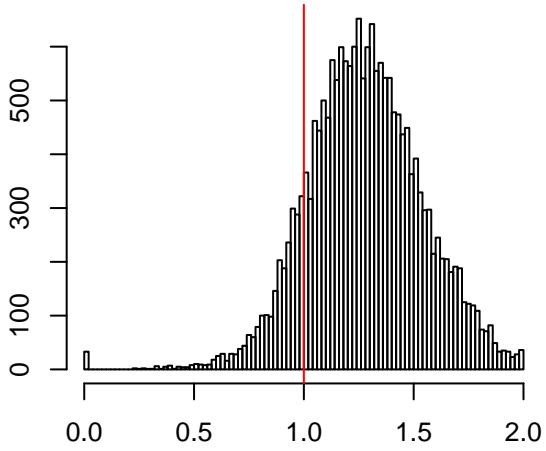
*Tetrahymena urticae* – genes

### GpC O/E



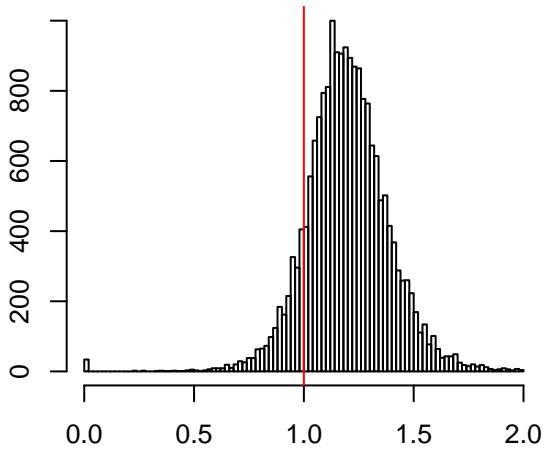
*Tetrahymena urticae* – genome

### CpG O/E



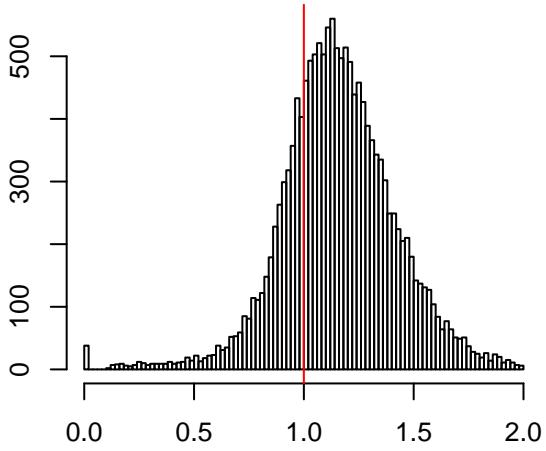
Dinotrothribium\_tinctorium - genes

### GpC O/E



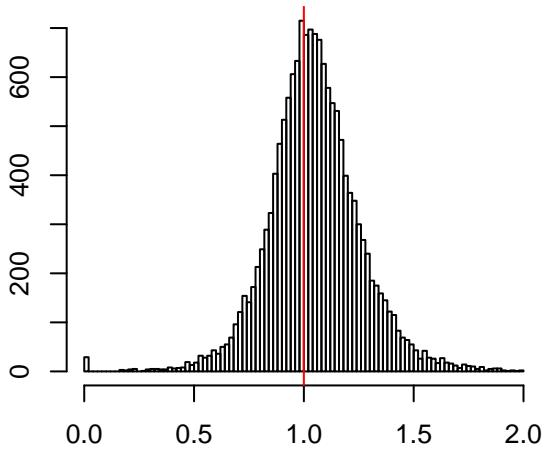
Dinotrothribium\_tinctorium - genes

### CpG O/E



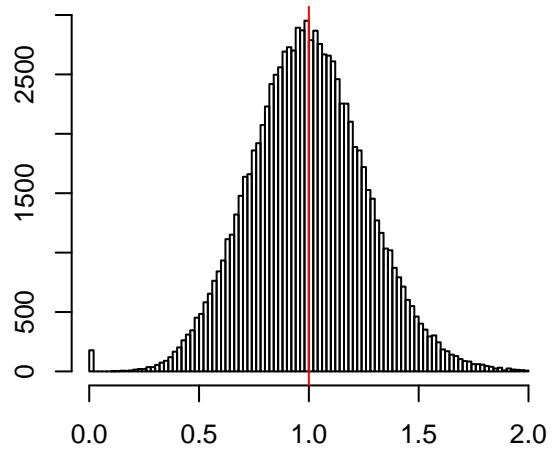
Leptotrombidium\_deliense – genes

### GpC O/E



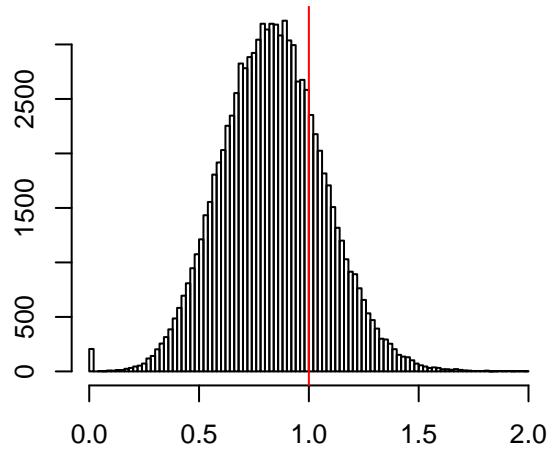
Leptotrombidium\_deliense – genes

### CpG O/E



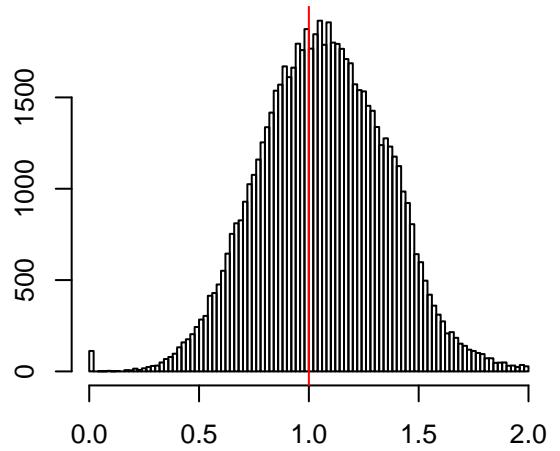
*Dermatophagoides farinae* – genome

### GpC O/E



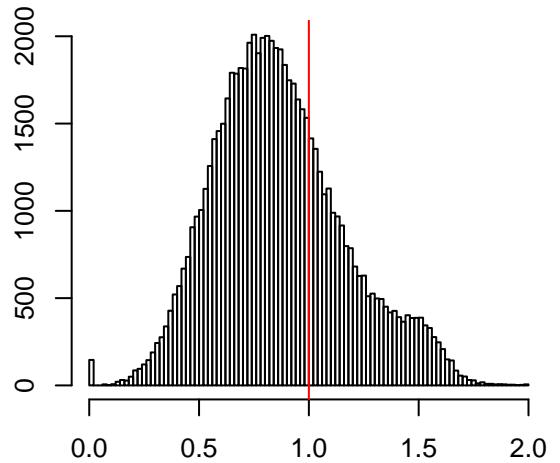
*Dermatophagoides farinae* – genome

### CpG O/E



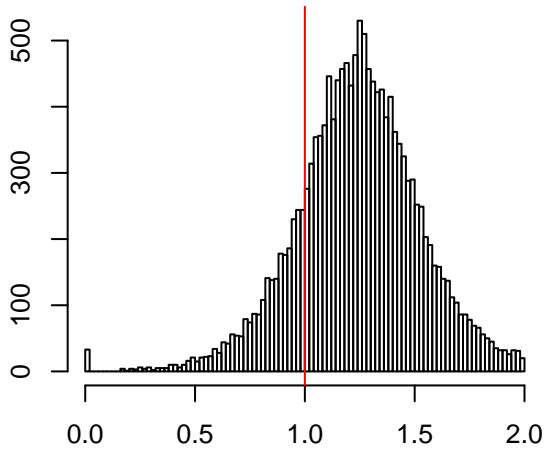
*Dermatophagoides pteronyssinus* – genome

### GpC O/E



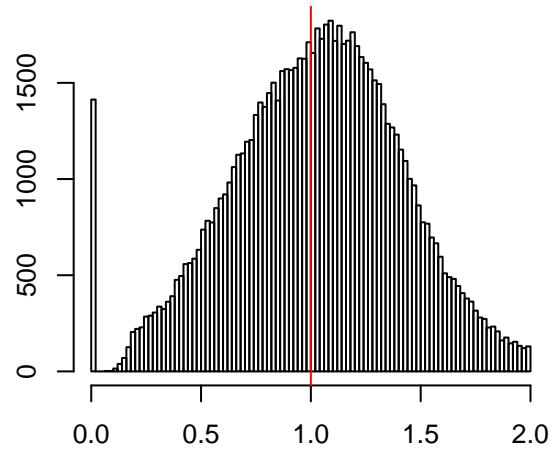
*Dermatophagoides pteronyssinus* – genome

### CpG O/E



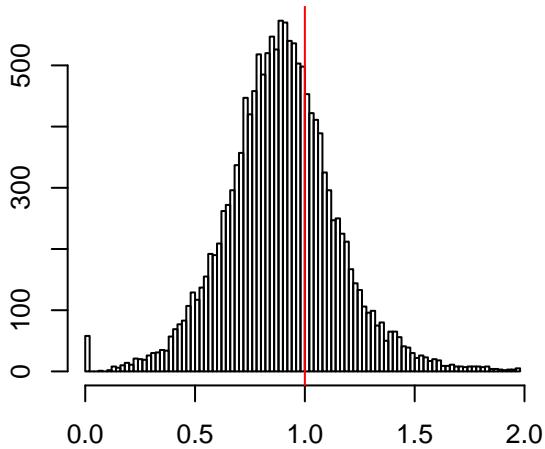
*Euroglyphus maynei* – genes

### CpG O/E



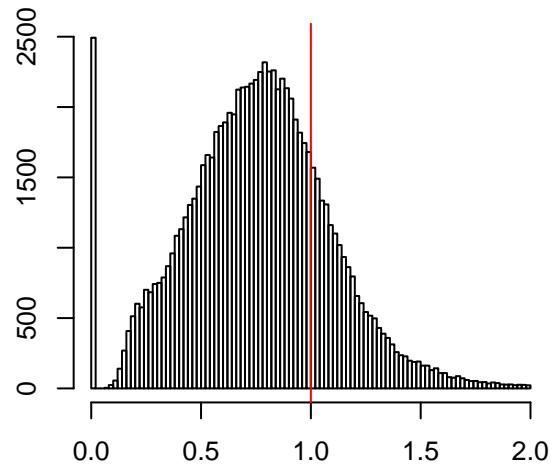
*Euroglyphus maynei* – genome

### GpC O/E



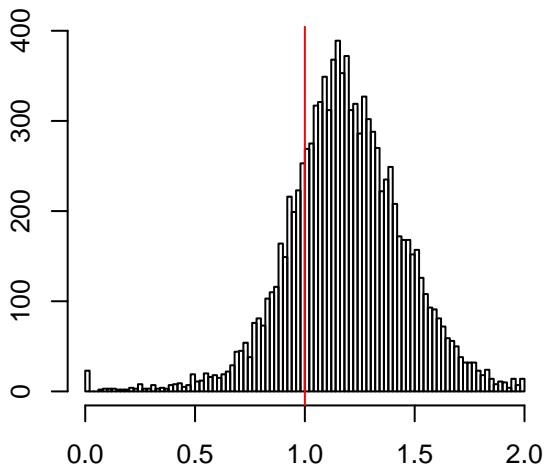
*Euroglyphus maynei* – genes

### GpC O/E



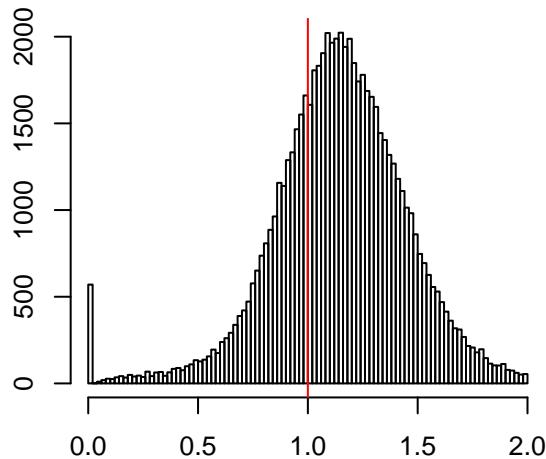
*Euroglyphus maynei* – genome

### CpG O/E



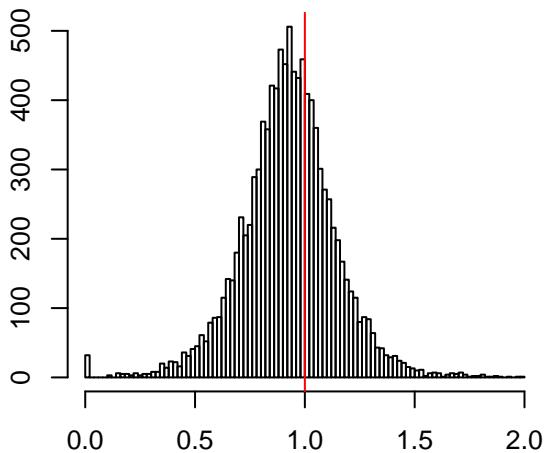
*Sarcoptes scabiei* – genes

### CpG O/E



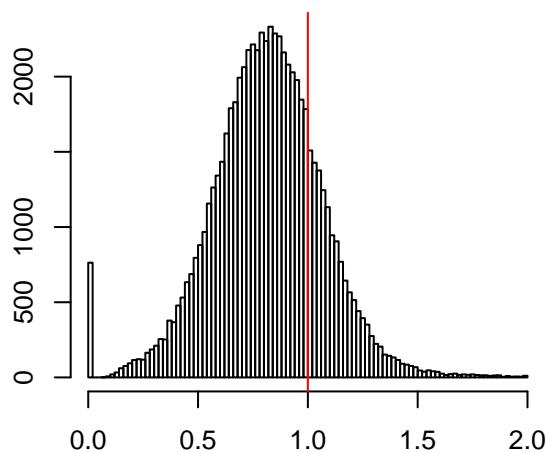
*Sarcoptes scabiei* – genome

### GpC O/E



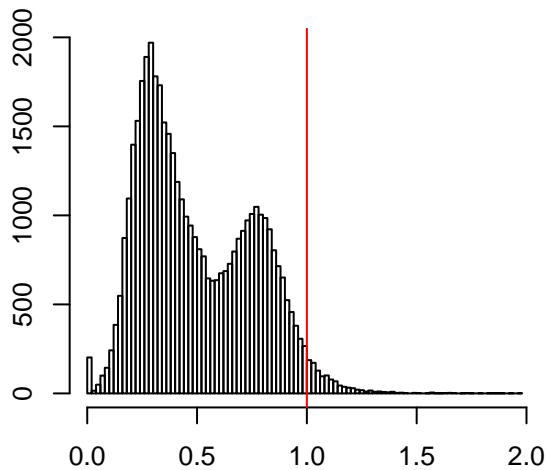
*Sarcoptes scabiei* – genes

### GpC O/E



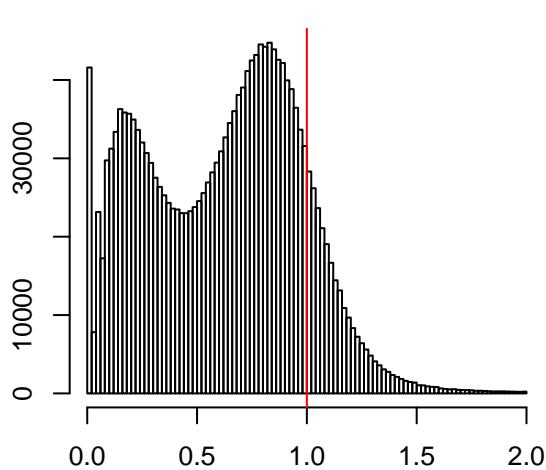
*Sarcoptes scabiei* – genome

### CpG O/E



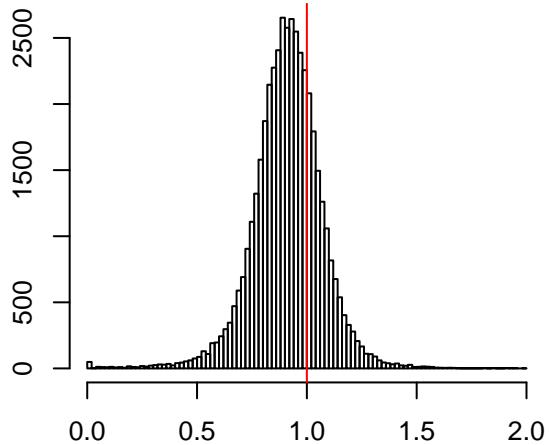
Limulus polyphemus – genes

### CpG O/E



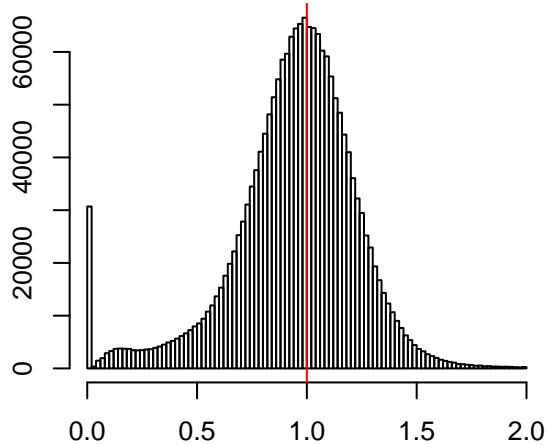
Limulus polyphemus – genome

### GpC O/E



Limulus polyphemus – genes

### GpC O/E



Limulus polyphemus – genome