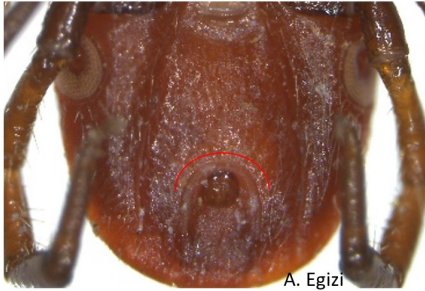
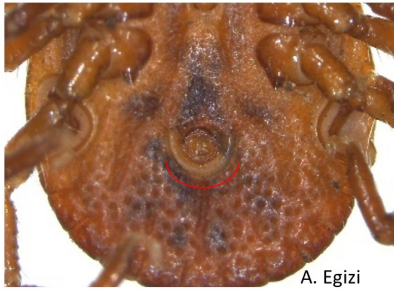


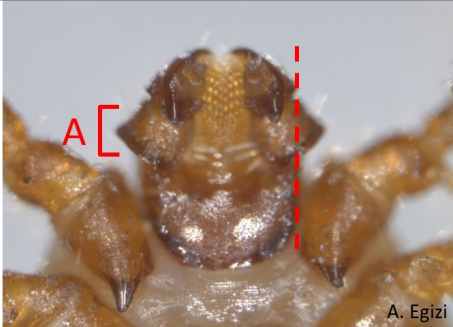
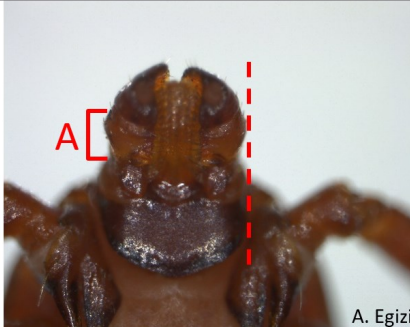
Basic Tick Identification to Genus

Adapted from Keirans, J. E. and Litwak, T. R. 1989. Pictorial Key to the Adults of Hard Ticks, Family Ixodidae (Ixodida:Ixodidae), East of the Mississippi River. J Med Entomol 26(5): 435-448.

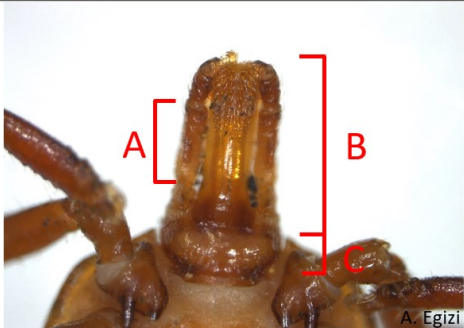
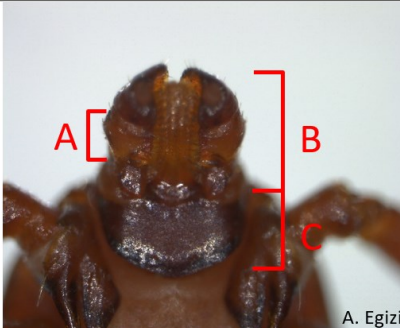
1

<u>Ixodes</u>	<u>Not Ixodes</u>
 <p>A. Egizi</p> <p>Anal groove is anterior (just below red line)</p>	 <p>A. Egizi</p> <p>Anal groove is posterior (just above red line)</p>

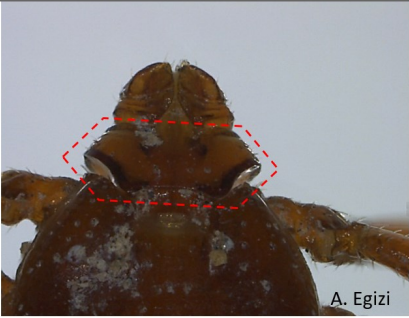
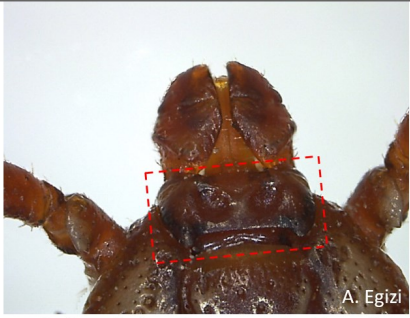
2

<u>Haemaphysalis</u>	<u>Not Haemaphysalis</u>
 <p>A. Egizi</p> <p>Palpal segment 2 (A) extends laterally, beyond basis capitulum (dashed line)</p>	 <p>A. Egizi</p> <p>Palpal segment 2 (A) does not extend laterally beyond basis capitulum (dashed line)</p>

3

<u>Amblyomma</u>	<u>Not Amblyomma</u>
 <p>A. Egizi</p> <p>-Palpal segment 2 (A) much longer than broad -Palps (B) much longer than basis capitulum (C)</p>	 <p>A. Egizi</p> <p>-Palpal segment 2 (A) about as wide as broad -Palps (B) about as long as basis capitulum (C)</p>

4

<u>Rhipicephalis/Boophilus</u>	<u>Dermacentor</u>
 <p>A. Egizi</p> <p>-Basis capitulum extends laterally (hexagonal shape)</p>	 <p>A. Egizi</p> <p>-Basis capitulum does not extend laterally (rectangular shape)</p>