

Novel Anaplasmataceae Agents *Candidatus* *Ehrlichia hydrochoerus* and *Anaplasma* spp. Infecting Capybaras Brazil

Appendix

Appendix Table. *Anaplasma* and *Ehrlichia* species and their GenBank accession numbers used for the Bayesian phylogenetic tree*

Species	16S	GroEL	sodB
<i>Anaplasma</i> sp. from <i>H. hydrochaeris</i> VI - Brazil	MW785881.1	NA	NA
<i>Anaplasma</i> sp. from <i>H. hydrochaeris</i> VII - Brazil	MW785882.1	NA	NA
'Ca. Ehrlichia hydrochoerus' from <i>H. hydrochaeris</i> I - Brazil	NA	MW816651.1	OK236545.1
'Ca. Ehrlichia hydrochoerus' from <i>H. hydrochaeris</i> II - Brazil	MW785879.1	NA	MW816538.1
'Ca. Ehrlichia hydrochoerus' from <i>H. hydrochaeris</i> III - Brazil	MW785880.1	MW816652.1	MW816537.1
'Ca. Ehrlichia hydrochoerus' from <i>H. hydrochaeris</i> IV - Brazil	NA	MW816653.1	MW816536.1
'Ca. Ehrlichia hydrochoerus' from <i>H. hydrochaeris</i> V - Brazil	NA	MW816654.1	MW816535.1
'Ca. Anaplasma camellii' - Saudi Arabia	KF843825.1	NA	NA
<i>Anaplasma centrale</i> - Israel	CP001759.1	CP001759.1	CP001759.1
<i>Anaplasma marginale</i> str. Dawn - USA	CP006847.1	CP006847.1	CP006847.1
<i>Anaplasma marginale</i> str. Florida - USA	CP001079.1	CP001079.1	CP001079.1
<i>Anaplasma odocoilei</i> from <i>O. virginianus</i> - USA	JX876644.1	JX876642.1	NA
<i>Anaplasma ovis</i> - USA	CP015994.2	CP015994.2	CP015994.2
<i>Anaplasma phagocytophilum</i> str. Dog2 - USA	CP006618.1	CP006618.1	CP006618.1
<i>Anaplasma phagocytophilum</i> str. JM - USA	CP006617.1	CP006617.1	CP006617.1
<i>Anaplasma phagocytophilum</i> str. Norway variant1 - Norway	CP046639.1	CP046639.1	CP046639.1
<i>Anaplasma phagocytophilum</i> str. Norway variant2 - Norway	CP015376.1	CP015376.1	CP015376.1
<i>Anaplasma platys</i> - Saint Kitts and Nevis	CP046391.1	CP046391.1	CP046391.1
'Ca. Ehrlichia khabarensis' from <i>M. rufocanus</i> - Russia	NA	FJ966351.1	NA
'Ca. Ehrlichia regneryi' from Camel - Saudi Arabia	KF843826.1	NA	NA
'Ca. Ehrlichia shimanensis' - Japan	NA	AB074462.1	NA
<i>Ehrlichia canis</i> str. Jake - USA	CP000107.1	CP000107.1	CP000107.1
<i>Ehrlichia canis</i> str. YZ-1 - China	CP025749.1	CP025749.1	CP025749.1
<i>Ehrlichia chaffeensis</i> str. Arkansas - USA	CP000236.1	CP000236.1	CP000236.1
<i>Ehrlichia chaffeensis</i> str. Jax - USA	CP007475.1	CP007475.1	CP007475.1
<i>Ehrlichia chaffeensis</i> str. West Paces - USA	CP007480.1	CP007480.1	CP007480.1
<i>Ehrlichia minasensis</i> from <i>R. microplus</i> - Brazil	CDGH01000025.1	QOHL01000018.1	CDGH01000066.1
<i>Ehrlichia muris</i> - Japan	CP006917.1	CP006917.1	CP006917.1
<i>Ehrlichia ruminantium</i> str. Gardel - South Africa	CR925677.1	CR925677.1	CR925677.1
<i>Ehrlichia ruminantium</i> str. Springbokfontein7 - South Africa	CP040111.1	CP040111.1	CP040111.1
<i>Ehrlichia</i> sp. AS from <i>A. sculptum</i> - Brazil	NA	NA	MW070031.1
<i>Ehrlichia</i> sp. AS from horse I - Brazil	MT514732.1	MT191353.1	NA
<i>Ehrlichia</i> sp. from horse - Brazil	NA	MG385128.1	MG385129.1
<i>Ehrlichia</i> sp. H7 from horse - Nicaragua	KJ434178.1	KJ434179.1	KJ434180.1
<i>Ehrlichia</i> sp. HF - Japan	CP007474.1	CP007474.1	CP007474.1
<i>Ehrlichia</i> sp. P-Mtn - USA	NA	NA	KC702804.1
<i>Ehrlichia</i> sp. str. L8 from <i>A. tigrum</i> - Argentina	NA	MN266482.1	NA

*NA, not available (missing sequences).