



"fl/&N/C5

*Eustrongylides*! ~ fl & t ! , ž t ~ Ž! fl fl , fl ! , t ~ \$! & ~ t , fl t / t # ? , ~ ~ / ,  
ffl , @ fl \$ # % 5 7 ~ ! & , fl ! , t ~ \$! & , ~ t t ~ ! ~ fl ! \$ ,

\$f& # "t"fi fi&ffi,~! ,t%b~"l \$, "f&&! &NG-DEO, /#f%~t#z! "fi" fiff&,&fi\$,  
i /#fz# ,z"tV# i t&ffi,~! ,#f! "t" i z! &&f! ,t" z" ? , "% " & , "z&fi&,  
t fi\$,~" fi fi ffU t i t " ? ,! & " fi& ,NDEC57~! ,z! & fi" , "% " ! & , # &fi fi&  
t fi\$,~! i " " z! & " t fi, z" " K! , \$f& " i % " " t fi\$, fi z t " " ! , i " 3f#f? , "%  
" & , & ! " fi &5+ " " " " /&# , \$t i t z! , " t fi, " ! & # , ffi, fi z t fi! \$, i " " ! M  
i ! fi " " " ! 3? , ! \$/ " ffiZ, " " " z&fi f& & t 3f#f? , " " , %! \$57~ f& , ffi, / " fi-  
" i z" i f& & " ! fi, " " " t # " ! t # " " ! fi\$! " ffiZ, " " " ! , " ! , & & ! z" fB# , " ,  
& " fi\$ t " ? , ffi% " fi fi&t fi\$, \$f& t & &NGO5, fi% " fi fi& " t fi, # t \$, " " t #! " t" fi fi&  
ffi, 3! " t" fi " " ffi" ! t & \$, & & ! z" fB#f#? , " " z" ! \$t " fi- , t fi\$, t, \$ fi, ffi& ! \$,  
t 3f#f? , " " z! @fi, & " ! && ffi, " " ! , ffi! " i ! \$fL! Xz t t " ! fi fi, " " &5U " ! fi,  
z t t &f! & ffi% " t, " & " fi, " fZ! " & t, " t fiZ! , "% " & " ! & " fi& & t fi ! \$, t,  
fi! / " t #) ffiZ, " ! & ! ##ffiZ, " " ! , ffi" / \$! " &57~! & , ! & " fi& & ! fi" i z t &&3' " ,  
" ! # # " t fi\$, / " " t #! " t " fi fi& @ " fi " , t fi, & t fi, % " i t / " ! " z! " &f& ! fi",  
ffiU t i t " fi fi, " " ! 8! fi&f! , " f&& ! , fi! " " &f&NCCO5Eustr

i t'K! "1 \$, ffl, / t'3t?e-; t&/t" t- fflA:=6., " f%!" f! , ! "fl &A; t' " t f!\$,  
 ; f! " f! ! f! t# " f! f! " " #5GGD-:=6,6' 3#& fflZ-,OECE-,z5EDQDGR59' 5D5  
 NDVO /5 50f! " 1 f!%&,( 50t" fl &,+ " t#? ,f! ,! \$Mf! \$,Zt' " ,&flK! &,Thamnophis sirtalis  
 zt' fl t#&,\$/! " ,# " t#f! i t' " \$! -,Eustrongylides &-,0t35' ffl 5 " f5QR,HfI ,HDPBR,  
 // fl ,GRV-GRB5  
 NDRO 52/ tZ#t' \$ -,254f!))f!,95( /Zf!f!,6t' " # Z? t&&" fl t' \$,@f! ,# " t'Eustrongylides  
 & 50! i t' " \$tA>f! " " z' ? i t' " f! t!, ffl% " f! f!, ffl, Galaxias maculatus  
 H " ffl z' ? Zf!A2t#t8f!\$t! i ,% i ,6t' z' f! t-; " Z! f! ffl t-; f! " 5/56t' t&f! #56t' t&f! &  
 U f!\$#%\_DE,HCEDPI,DDF-DDR5  
 NDBO ' 5+ t) ) f! -, + 5, t%&' t-, ' 52/ & ffl! #f!, <5' Zf! " f!,; 5 Zt' tZ#t-,250,4tZ#f! -, + 5  
 05<f! t" t f! f!, + " z' " # Zf! t#t f! \$, i " # / #, " t' t' " f! t' f! f! ,%t' " t#t f! \$, t\$ / #,

&tZ! &,"%Eustrongylides! 8' f& &H9! i t' " \$tA>f! " " z' ? i t' " f! t!, @f! ,  
 " f&" zt' " # Zf! t#; 3& " t' f! f! &/56t' t&f! #5DEV,HRI ,HCEDPI ,TTQ-TTP5  
 NDTO 65' 50f! fl t&,<5J 50f! fl t&,+ 5- 5+ / t' -> fl " t f! \$, " " z' f! , f! f! ! , %Lithobates  
 catesbeianus H i z' " f! tA' f! " t' " " # Zf! t, H / " f! f! t!, OP ,HCEDOI ,GEV-GDO5  
 NDPO <5 5= \$t-,452/! " t-; 52" /-,05-50f! t-; i 5 56" i f! t-,6525t! 3t# -15  
 + 57tK! i " " -, 557! f& fl t-, " 5- 5, t! zt' t- /5 525= " i Zt-,9t' f! ! t f! " t f! & ! " fl & t&  
 z' ! ? , %f! " t&f! ! , i ! f! t f! ,3' ##% Z, Lithobates catesbeianus ffl, ("t) f! t, " ! " f! @ " f! ,  
 fl @ z' ! \$t' f! f! , " " \$& , i z' f! f! f! , 1! z' f! f! , " f! & " " 5DF ,HI ,HCEDPI ,CDB-COR5  
 NCEO + 5' 50f! , tZ! -( 5- 57' @! ?- /505( / f! f! " -, > , & t' ! f! z! & z' ! " ! f! " , z' i " i , \$f& t&  
 " t f! & f& f! f! b, 7' ! , ! %& " " %f! " ! " i 3' t' ! , & t' ! f! z' f! z' , f! , t f! t' f! / & " t f! & f& f! f! ,  
 < / f! " 5; " " #5FF ,HBI ,HCEDPI ,DFGO-DFVE-, " " z' &XXS' f5 ' ZXDE5DDDXDFRVM  
 QGFV5DFFFV5