

! ""\$%&' & (#*")+, - ".), /)0"%12*, \$&')31)4\$, #'&')&')567-#)4-1.#&)&')**Gryllus bimaculatus**
!#\$%&'(%)*+,-%#0'12345&6-*&
7\$86)4+'.9*\$:%5';2'94+,-
<4=\$46&'>4:::%?%

>4&"4:*&\$'%GA%+6B%&"*:'?+4#A)'4D',+6,0%)'=%+%#)%\$'D4+'\$)(@7'6&H%,"64&'&\$'86)#*:6l*"64&2'14
)"+*&\$%\$'(@7'=*)#)%\$'"4'0&4,0\$4=&)%B*A-4+6&'F*684)"*+',+6,0%)E'*&\$'J*.0D6::'A+4,%\$#+%='*)'
"-%&',4BA:%"%\$'6&'4+\$%+"4'86)#*:6l%"-%'&*'"4B6,*:%DD%,")2'3#,-'4D'"-%)#88%+96\$'4&
"+4#J:4-44"6&?"-%'86)#*:6l*"64&'A+4"4,4:2'M#+D6&\$6&?)'##??%)""-""#)6&?':4=%+',4&,%&"+*"64&)'4D'NC
"4'D6G'&?:6*)'BA:%)B*5')4:8%"-%'86)#*:6l*"64&'\$6DD6,#:"6%)""-%'94+,-':*J'-*)'%GA%+6%&,%\$'48%+"-%'

-4:%RE'\$5%)%%B)"'4'A%&%"+*"%'6&"4"-%'?*&?:6'E'J#"')"4A)'J%D4+%6&"9%+4D)"-9%?*&?:6'
TO6?#+U2B#,-'4D"-6)')#BB%+'='D4,#)%'&'%GA%+6B%&"::5'B*&6A#:"6&?'\$6DD%+%&"A*+')'4D"-%'
86)

O6?#+'F2'U'C-%'A+4"-4+*,6,'?*&?:64&'4D'*&#&6&H#+%K\$%68\$%62%0-%)A%, ""-%'B6\$:6&%'*&\$'\$4'
&4"'6&&%+8*"%'&%+8%)'+%,%686&?)'6?&*:)D+4B""-%',4&"+*:"%+*:'%'+2'JU'7BA#"64&'4&""-%'+6?-"+"%'
A+4D4#&\$'\$%?%&%+"64&'4D""-%'#6"4+5'&%+8%2'38'\$66\$6-6%7\$'4'&4""+%A%, ""-%'B6\$:6&%'*&\$'
#&\$%+?4'A+4D4#&\$'+%4+?*&6l*"64&2'T7\$*A"%\$'D+4B'94+,-E%""*:2E'VWFFU

O6?#+'%4&D4,*:'B6,+4),4A5'6B*?'%'4D'