

!"#\$"%&'()*'()(+'

, --./0'1-'2/.0#/0''#3'40/5#1617&'816./&''
9.:0#51;0%'9<0/\$=.>0', --./0'?\$.63.#7'
@AB)'80##:&6>''#.''C>0D'E F''
F'':5.#7=1#*'GDHD'()B)I'

450'C J 0%./"#'21/.0=&'-1%'?.1/50 J .:=%&''#3'K 160/\$6"%'?.1617&'.:'"#'.#=0%#"=.1#"6'#1#L%1-.=':/.0#=.-./'"#3' 03\$/"=.1#"6'1%7"#.M"=.1#'=5"='%0L%0:0#=:'J 1%0'=5"#'@)*)))':=\$30#=:*'%0:0"%/50%:*'03\$/"=1%:'"#3'.#3\$:=%&' L%1-0::.1#"6:D'450'C2? K ?':=%1#76&'''3>1/"=0:'-1%':=%0#7=50#.#7'=50':/.0#/0*'=0/5#1617&*'0#7.#00%.#7'''#3' J "=50 J "=./:'; 1%N-1%/0*':\$LL1%=.#7':\$:=".#"060'-\$#3.#7'-1%'=50'C J 0%./"#'%0:0"%/5'0#=0%L%:0*''#3'0#:\$%.#7' 3.>0%:.=&*'0P\$.=&'''#3'.#/6\$:.1#'.#'249 KD'

450'

• •



llBiochemistry and Molecular Biolog

- R(\$ %07\$6"=03'=1'%0P\$.%0'1#6&'=50'3"="'"#3'J0="3"="'#0/0::"%&'=1'/1JL6&';.=5'=50'L16./&'.#'"' -1% J "='=5"=': \$LL1%=: ':\$:=".#"0.6.=&'R*5"5F'3"="'1#':1 J 0'-.60'=&L0: '-%1 J ' J 1%0'=5"#'''30/"30'"71'
- "%0'"6%0"3&'.#"//0::.060S' R+S :=%\$/=\$%03'=1'00':\$--./.0#=6&'-60<.060':1''':'=1'''//1JJ13''=0'#0; '=0/5#1617.0:'.#'=50'-.063'''#3'
- .#/1%L1%"=0'#0; '-\$#/=.1#"6.=.0:'; .=5'0":0''
- RIS 9 J 003303'; .=5'=51%1\$75'.#:=%\$/=.1#:'1#'51; '=1'L%1L0%6&'%0=%.0>0'3"="'=1'0#:\$%0'=50&''%0' /1%%0/=6&'L%1/0::03'"#3'"#"6&M"060'0&'#1#0<L0%=:'
- s

! "#\$%%"&'()*\$&+I-+E%40\$: "+(&'+#"&)0(7*C"+(##"33+)\$+3#*"&)*@*#+'()(5++

8\$06./''//0::'=1'30/"30:'1-':/.0#=.-./'3"="'.:':L1%"3./"66&'''>".6"060'>."'''/1J0.#"=.1#'1-'L\$06.:503' J "#\$: /%.L=: '"#3'3"=''%0L1:.=1%.0: '=5"=''%0'#1='/0#=%"6.M03'#1%'\$#.-1% J 6&'''/0::.060'RL".3'>:D'-%00\$D'450' /\$%%0#='3"="'0/1:&:=0J'.:'#1='>0%&'"J0#"060'=1'.30#=.-&.#7';50=50%'''':L0/.-./':/.0#=.-./':=\$3&'1%' 3"="':0='0<.:=:D'45.:'/"#'60"3'=1'3\$L6./"=.1#'1-'%0:0"%/5'"#3'L1=0#=."66&'; ":=0-\$6'"661/"=.1#'1-':/.0#=.-./' %0:1\$%/0:D'C: '=50', 248'30>061L: '.=: 'L\$06./'''/0:: '-%'' J0; 1%N*'.=':51\$63'/1#:.30%':=%"=07.0: '-1%''#3' .#>0:= J 0#=:'.#'=50'30>061L J 0#='1-'''3>"#/03':0"%/5.#7'/"L"0.6.=.0:'; .=5.#':/.0#=.-./%0:0"%/5' J "#\$:/%.L=:''#3'%0L1:.=1%.0:D'45.:'; 1\$63'. J L%1>0'=50'0--./.0#/&'1-'=50'0.10/1#1 J &'''#3'506L' %0:0"%/50%:'00=0%'.30#=.-&'/\$%%0#='%0:0"%/5'7"L:'"#3'1LL1%=\$#.=.0:'-1%'.##1>"=.1#")'

C33.=.1#"66&*'%0L1:.=1%.0:'%0P\$.%0'-.#"#/."6':\$LL1%='=1'0#:\$%0'=50&'5">0'=50'.#-%":=%\$/=\$%0'"#3' ; 1%N-1%/0'#0/0::''%&'=1'>"6.3"=0*'%0-1% J "=*'' J 0#3*' J ".#=''.#'''#3'''3 J .#.:=0%'3"=''1#''''#"=.1#"6':/''60D' C:'''#'0<''JL60*'=50'8%1=0,#'G''=''?''#N'.:':06''0:="06.:503''':''''%0L\$="060'%0:1\$%/0'-1%':=%\$/=\$%"6'L%1=0.#' 3"="'=5"='.:'=51%1\$756&'>"6.3"=03'"#3' J ".#=".#03*'"#3'.='70#0%"=0:'"'%0=\$%#'1#'-030%"6'.#>0:= J 0#='1-' a@*B))'=. J 0:' b '



,

\$

L. American Society for Biochemistry and Molecular Biolog