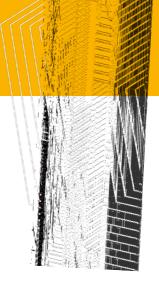


UNSW MME Laboratories



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- •! @(.&+*\$(%!
- •! "+(#,\$(.4!A::\$(+/%!B!'-#+/!1/':+%%',.4!C-.::!
- •! DEF!C-) &+, -%!
- •! GHI1H!J')/%+; '/<!B!"#+%\$%!C-)&+, -%!
- •! K\$%\$-'/%!

:

- •! @4!4.6!)%+/%!*)%-!; +./!%+, %\$64+!+, (4' %+&!:' '-; +./!; #+,!+,-+/\$, 8!-#+!4.6' /.-' /\$+%=!C#' +%!* . &+!

 ':!.6%' /6+,-!*.-+/\$.4!' /!; '>+,!:.6/\$(!L+=8=!M 88+/%!/),,+/%!., &!%,+.<+/%N!%#')4&!,'-!6+!; '/,!

 \$,!4.6' /.-' /\$+%!; #+/+!+03' %)/+!-'! ('//' %\$>+%!!'/! (#+*\$(.4%!-#.-!./+!#./*:)4!69!.6%'/3-\$',!

 -#/')8#!-#+!%<\$,7!(')4&!' (()/=!!!
- •! P,!(+/-.\$,!4.6'/.-'/\$+%1!; #+/+!#+.>9!*.(#\$,+/9!\$%!6+\$,8!)%+&!L+=8=1!-#+!; '/<%#' 3N7!%.:+-9!%#' +%!
 '/!%-++4!(.3!%#'+%!*)%-!6+!; '/,=!"#\$%!112!\$%!.4%'!.334\$+&!; #+,!3+/:'/*\$,8!#+.>9!-.%<%7!%)(#!.%!
 '>\$,8!8.%!(94\$,&+/%7!'/!/+(+\$>\$,8!#+.>9!+Q)\$3+,-!:/'*!&+4\$>+/\$+%=!"#\$%!(')4&!6+!3/'>\$&+&!69!
 -#+!%(#''4!.%!,++&+&!-'!-#+!-+(#,\$(.4!%-.::!',49=!
- •! R' /!. (-\$>\$-\$+%!/+Q)\$/\$, 8!%. :+-9!:' '-; +. /7!4. 6!)%+/%!%#')4&!%++<!. %%\$%-., (+!:/' * !-+(#,\$(.4!%-.::=!

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- •! <u>C.</u>: -9!3/' -+ (-\$>+!84. %%+%! *)%-!6+!; '/,!; #+,!(',&)(-\$,8!.,9!. (-\$>\$-9!\$,!-#+!4.6'/.-'/\$+%=!
- •! C.: -9! 84. %%+%! &+%\$8, +&!-'!:\$-!'>+/! 3/+%(/\$3-\$', ! 84. %%+%!; \$44! 6+! 3/'>\$&+&!:'/!-#' %+!; #'!) %+! 3/+%(/\$3-\$', !84. %%+%!
- •! A-#+/!/+4+>., -!4. 6!. 33/' 3/\$. -+!%. :+-9!84. %%+%!; \$44!6+!3/' >\$&+&!:' /!-#+!/+4+>., -!-. %<%!L+=8=7!4. %+/! %. :+-9!84. %%+%N=!
- •! "#+!%(#' '4!; \$4!3/' >\$&+!-#+!. 33/' 3/\$. -+!%. :+-9!84. %%+%!-' !**A** !4. 6!) %+/%!\\$=+=7!%-. <+#' 4&+/%\!!\

C :

- •! <u>@4!%-. <+#' 4&+/%!*)%-!; +. /!. !4. 6!(' . -!; #+, !-#+9!. /+!\$, !-#+!4. 6' /. -' /\$+%=</u>!A-#+/!/+4+>. , -!4. 6!(' . -%! L+=8=?!4. 6!8'; , %!:' /!-#+!1 J S!4. 6' /. -' /9N!*)%-!6+!; ' /, !; #+/+!. 33\$(. 64+=!!
 - o! @(. &+ * \$(%!" #+!%(#" ' 4!; \$4!%) 3349!-#+ * !; \$-#!4. 6!(' . -%!. %!, ++&+&=!!
 - o! <u>"+(#,\$(.4!C-.::?!</u>"#+!%(#' '4!; \$44!%)3349!-#+*!; \$-#!('4'/T('&+&!&)%-!('.-%!; \$-#!-#+!552! -+(#,\$(.4!%-.::!4.6+4!-'!&\$::+/+, -\$.-+!-#+*!:/' *!'-#+/!4.6!)%+/%=!2.(#!-+(#,\$(.4!%-.::!; \$44! #.>+!.-!4+.%-!U!4.6!('.-%=!
 - o! <u>DEF!C-)&+, -%?!</u>"#+!%(#' ' 4!; \$44!%) 3349!-#+*!; \$-#!4. 6!(' . -%!. %!, ++&+&=!P:!%-)&+, -%!/+Q)\$/+! &\$::+/+, -!3/' -+(-\$>+!(4' -#\$, 8!L+=8=!!(' >+/. 44%N?!-#+9!, ++&!-' !/+Q)+%-!-#. -!-' !-#+!%(#' ' 4!-' !6+! 3)/(#. %+&=!
 - o! GH!!!1H!J')/%+; '/<!B!"#+%%!C-)&+, -%!(C-)&+, -%!(./+!/+Q)\$/+&!-'!3/'>\$&+!-#+\$/!'; ,!4.6!
 ('.-!. %!3+/!C+(-\$', !V=U!\$,!-#+!GWCX!DCYZ[!3' 4\$(9=!J')/%+; '/<!%-)&+, -%!./+!, '-!/+Q)\$/+&!
 -'!; +./!4.6!('.-%!\$,!-#+!G,&+/8/.&).-+!"+.(#\$,8!\.6'/.-'/9!LG"\N!),4+%!-#+!.(-\$>\$-9!
 (',&)(-+&!/+Q)\$/+%!%'!L\$=+=!.(-\$>\$-\$+%!.-!-#+!G"\!./+!%.:+49!&+%8,+&!-'!,'-!/+Q)\$/+!
 3/'-+(-\$>+!(4'-#\$,8N=!!
 - o! K\$\%-' \\%?!" + * 3' \. \\9!4. 6!(' \. -!(\., !6+!\%) 334\$+&!. \\%!, ++&+&=!
- •! @:-+/!-#+!)%+/!(' * 34+-+%!-#+\$/!. (-\$>\$-9!\$, !-#+!4. 6' /. -' /97!-#+9! *)%-!/+ * ' >+!-#+!4. 6!(' . -!. , &!#. , 8! \$-!' , !-#+!3/' >\$&+&!#. , 8+/%1/. (<%=!
- •! X+-!4.6' /. -' /\$+%!L\$=+=7!F+%+. /(#!%-)&\$' !SS]7!5\$(/' :4)\$&\$(%!U^Z7!., &!F+:/\$8+/.-\$', !US^!4.6' /. -' /\$+%!!\$; "+/+!; "/<!-#.-!3/+&" *\$,..,-49!\$, >' 4>+%!-#+!)%+!' :!(#+* \$(. 4%7!3./-\$()4. /49!(' //' %\$>+%!L. (\$&%!., &! 6. %+%N7!%#')4&!#.>+!-#+\$/!'; ",!4.6!('.-%!., &!-#+9!%#')4&!, '-!6+!)%+&!\$,!., 9!' -#+/!&/9!4.6' /.-' /\$+%=!"#+%+!4.6!('.-%!(.,!',49!6+!)%+&!\$,!-#.-!8\$>+,!4.6!%3.(+!.,&!*)%-!6+!#),8!',!-#+!3/'>\$&+&!#.,8+/%1/.(<%!6+:'/+!4+.>\$,8!-#+!4.6!%3.(+=! X#+,!-#+%+!('.-%!./+!%'\$4+&7!-#+9!%#')4&!6+!



! "#\$\&'\$(\%) *' +\% -\% /", , 0
12;43' -4%5%6' 4*7%895285: 8: 2

