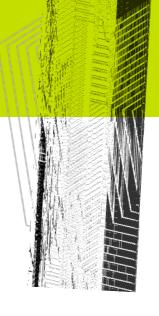


## **UNSW MME Laboratories**



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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!; \$4!%) 3349!-#+\*!; \$-#!4. 6!(' . -%!. %!, ++&+&=!P:!%-)&+, -%!/+Q)\$/+! &\$::+/+, -!3/' -+(-\$>+!(4' -#\$, 8!L+=8=?!(' >+/. 44%N?!-#+9!, ++&!-' !/+Q)+%-!-#. -!-' !-#+!%(#' ' 4!-' !6+! 3)/(#. %+&=!
  - o! <u>GH!!!1H!J')/%+; '/<!B!"#+%\$%!C-)&+, -%?</u>!C-)&+, -%!./+!/+Q)\$/+&!-'!3/'>\$&+!-#+\$/!'; ,!4. 6! ('.-!. %!3+/!<u>C+(-\$', !V=U!\$, !-#+!GWCX!DCYZ[!3' 4\$(9</u>=!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%+3' -4%

