



# MUSC3806

GmbYf[ ]Yg`]b`Gci bX`HYW\bc`c[ m

HYfa `H\fYY`##`&\$%-

7 ci fgY`Cj Yfj JYk

`GHUZZ`7 cbhUW`i8YHUJ`g`

`7 cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj]m	@cWUjcb	D\cbY
8f`5XUa `<i`VYfh	U"i`VYfh i bgk "YXi "Ui	GWYXi`YX Wt bgi`hUjcb`ci fgz cf`VmiUddc]bha Ybh	F cVYfh K YVghYf`%\$,	- ' , )`%%%)

GWcc`7 cbhUW`i8YHUJ`g`

Fcca`" %&Z`Yj Y`" `F cVYfhK YVghYf`6i ]X]b[

D\cbY. f\$&L`- ' , )` ( , )`\*`

9a Uj]: [gUa 4 i bgk "YXi "Ui](#)

K YVg]hY: [\hfdg.#gUa "Ufng"i bgk "YXi "Ui](#)

H\Y`GWcc`cZH`Y`5fng`UbX`A`YX]U`k`ci`X`\_]`Y`hc`F`YgdYW`Z`m`5W`bck`YX[`Y`h`Y`HfUX]h`cbU`7`i`g`h`X]U`bgz`h`Y`6YXY[`U`f`P`Y`bg]b[`h`cb`W`Ja`di`g`Lz`;`UX][`U`f`7`]m`UbX`5`f`h`i`8`Y`g][`b`7`Ua`di`g`Y`g`L`U`b`X`h`Y`B`[`i`bb`U`k`U`d`Y`cd`Y`f`B`i`g`h`f`U`]U`b`8`Y`Z`b`W`W`:`c`f`W`5`W`U`X`Y`a`m]b`7`U`b`V`Y`f`f`U`L`c`Z`h`Y`U`b`X`g`k`Y`f`Y`Y`U`W`W`Ja`di`g`c`Z`I`B`G`K`i`j`g`c`W`U`h`Y`X`"



hY`]bXi gfmghUbxUfX`dfcZ'gg]cbU`'gci bX`gh X]cg"

⇒YU`mhY`Gh X]c`WUggYg`k ]`VY`ghfYUa YX`VmgY`ZgY`YW]cbžUWwcfX]b[ `hc`hYwXb]WU`dfcZ]WYbWw"

# 5ggYgga Ybh

## 5ggYgga YbhHUg\_g`

5ggYgga YbhHUg_	K Y][ \h	8i Y'8UHŸ	Gh XYbh@YUfb]b[ Ci hWta Yg'5ggYggYX
F YgYUfWŸ'HUg_`	&)	%&#/\$#&\$%- '\$) . \$\$ 'DA	&
Gh X]c'F YWt'fX]b[ 'Dfc YWŸ	' \$	&* #/\$#&\$%- '\$) . \$\$ 'DA	%Z
7 ca dcg]h]cb'Dfc YWŸ	()	&' #/\$#&\$%- '\$) . \$\$ 'DA	%Z

## 5ggYgga Ybh8YHU]`g

### 5ggYgga Ybh% 'F YgYUfWŸ'HUg\_`

GHUfhXUHŸ. `

@Yb[ h. ' &\$\$\$'k cfXg

8YHU]`g. 'F YgYUfWŸ'dUdYf"&\$\$\$'k cfXg"K f]hŸb'ZYXVUW\_`UbX'bi a Yf]WŸ`[ fUXY'Zca 'hi hc'f"

5ggYgga Ybh& 'Gh X]c'F YWt'fX]b[ 'Dfc YWŸ

GHUfhXUHŸ. `

@Yb[ h. ' ! ) 'a ]bg

8YHU]`g. 'Gh X]c'fYWt'fX]b[ 'dfc YWŸf! ! ) 'a ]bgL"K f]hŸb'ZYXVUW\_`UbX'bi a Yf]WŸ`[ fUXY'Zca 'hi hc'f"

5ggYgga Ybh' . '7 ca dcg]h]cb'Dfc YWŸ

GHUfhXUHŸ. 'Bch5dd`]WVY

@Yb[ h. ' ) 'a ]bg

8YHU]`g. '7 fYUH'U'gi VgFUb]U'`cf][ ]bU'`gci bX'Wta dcg]h]cb'fUddfcl " ) 'a ]bgL"K f]hŸb'ZYXVUW\_`UbX'bi a Yf]WŸ`[ fUXY'Zca 'hi hc'f"


<p>K YY_+. '&amp;,' C Wc VYf! '% Bcj Ya VYf</p>	<p>Hcd]W</p>	<p>9I dYf]a YbhU' Gci bX'8Yg][ b H\]g:k YY_'k Y'fYj ]g]hgrmbhYg]g'UbX'gmbhYg]hYfg'Ug gmghYa g'Zcf'fYWcbZ[ i f]b[ 'gci bX'UbX'j ]g]cbZ'UbX k Y'Wcbg]XYf'gca Y'YI dYf]a YbhU'UddfcUW\Yg'hc fYWcfX]b[ 'UbX'Wca dcg]h]cb" ..</p>
<p>K YY_-' ('Bcj Ya VYf!'; Bcj Ya VYf</p>	<p>6`YbXYX</p>	<p>F UbXca bYgg'UbX''ja ]hU]cb H\]g:k YY_'k Y'YI d'cfY'\ck 'fUXbXca bYgg'UbX 'ja ]hU]cb'Wb'VY'i gYX'Ug'Wca dcg]h]cbU'hc'g" ..</p>
<p>K YY_-' .%%Bcj Ya VYf! %) 'Bcj Ya VYf</p>	<p>Hcd]W</p>	<p>B UffU]j Y'UbX'9bj ]fcb a Ybh H\]g:k YY_'k Y'YI d'cfY'k Umg]'b'k \]W\ 'h'Y'dYfW'dh]cb cZ]ja Y'UbX'gdUW'Wb'VY'Yj c_YX']b'Wca dcg]h]cb" ..</p>
<p>K YY_%. '% 'Bcj Ya VYf! &amp;&amp;'Bcj Ya VYf</p>	<p>Hcd]W</p>	<p>: fUa ]b[ 'h'Y'YI dYf]YbW'. 'A YHUbUffU]j Y'UbX W fU]cb H\]g:k YY_'k Y'h]b_'UVci h\ck 'U'gci bX'YI dYf]YbW ]g'dfcXi W'X'h'fci [ \ 'a YHUbUffU]j Yg'UbX'Z'Ua ]b[ " ..</p>

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

: cf`h]g`gi VYWz`mci fi`bYYX`hY`Z`ck ]b[.



Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Hi fb]hb`Gi Va ]gg]cb

Ʒmci`YbWci`bHYf`U`dfcV`Ya`k`Yb`U`HYa`dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybh`fci`[`\`Hi`fb]hb`z`d`YUgY`  
HY`Yd`cbY`9I`HYfbU`Gi`ddcfhcb`-`,`)``'`'`%cf`Ya`U]`h`Ya`cb`YI`HYfbU`HY`hgi`ddcfh4`i`bgk`"YXi`"Ui`"Gi`ddcfh`  
`ci`fg`UfY`,`.\$\$Ua`-`%\$.\$\$da`cb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`cb`k`YY`YbXg`fI`\*)`XUmg`U`mY`UfL`"Ʒmci`  
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhXi`Y`hc`U`ZUi`hik`]h`Hi`fb]hb`mci`a`Um`Udd`mi`Zcf`Ub`YI`HYbg]cb`z`Vi`hmc`i`  
a`i`ghf`YhU]b`mci`f`h]W`Yhbi`a`VYf`Zca`9I`HYfbU`Gi`ddcfhU`cb[`k`]h`Ubmc`h`Yf`fY`Yj`Ubh`XcW`a`Yb`hg`L`hc`  
]bW`i`XY`Ug`Yj`]XYbW`hc`gi`ddcfhmc`i`f`YI`HYbg]cb`Udd`]W]hcb`"Ʒmci`Ya`U]`9I`HYfbU`Gi`ddcfhmc`i`k`]`  
Ui`hca`U]W]m`fYW]j`Y`U`h]W`Yhbi`a`VYf`z`Vi`h]Zmci`HY`Yd`cbY`mci`k`]`b`YYX`hc`gd`YW]W]m`Ug`\_`Zcf`cbY`"  
Hi`fb]hb`U`gc`dfcj`]XYg`i`dXU`HYg`cb`h`Y]f`gmgh`Ya`gh`U`h`g`cb`Hk`]hYf`"

;`YbYfU`m`z`UggYgga`YbhHUg\_g`a`i`gh`VY`gi`Va`]hYX`Y`YWfcb]W]m`j`]U`Y]h`Yf`Hi`fb]hb`cf`U`A`ccX`Y`  
Ugg][`ba`Ybh`f`b]bg`h`UbW`g`k`YfY`h`g`]g`bchidcgg]V`Yz`]hk`]`VY`g`h`YX`cb`mci`f`Wci`fgY`g`A`ccX`Y`g]h`k`]h`  
U`h`fb`U]j`Y`gi`Va`]gg]cb`XYhU]g`"

:`cf`]b`Zcf`a`U]cb`cb`\`ck`hc`gi`Va`]hUgg][`ba`Ybh`g`cb`]b`Y`j`]U`A`ccX`Y`.\`h`tdg`#`gh`XYbh`i`bgk`"YXi`"Ui`#`ack`!  
gi`Va`]hUgg][`ba`Ybh`a`ccX`Y`"

## 5 WUXYa ]W<c bYghmUbX`D`U[ ]Uf]ga

D`U[ ]Uf]ga ]g`i g]b[ `hY`k cfXg`cf]XYUg`cZchYfg`UbX`dfYgYbh]b[ `hYa`Ug`mci`f`ck`b" `hWUb`hU`Y`a`Ubm`Z`fa`g`z`Z`ca`XY`]VYfUHY`WXYU]b[ `hc`UW]XYbhU`mW`dm]b[ `Z`ca`U`gci`fW`k`]h`ci`hUW`bck`YX[ Ya`Ybh`

I BGK`[ fci`dg`d`U[ ]Uf]ga`]b`hc`hY`Z`ck`]b[ `W]HY`[ cf]Yg.

7`cdm]b[.`i`g]b[ `hY`gUa`Y`cf`j`Yfmg]a`]Uf`k`cfXg`hc`hY`cf][ ]bU`hY`hcf`]XYU`k`]h`ci`hUW`bck`YX[ ]b[ `hY`gci`fW`cf`i`g]b[ `ei`chU]cb`a`Uf`g" `H`g`U`gc`Udd`Yg`hc`]a`U[ Yg`z`Uf`h`UbX`XYg][`b`dfc`YW`g`z`Ug`k`Y`U`g`dfYgYbhU]cbg`k`Y`fY`gca`YcbY`dfYgYbh]b[ `Ubc`h`Y`f`g`]XYUg`cf`k`cfXg`k`]h`ci`hW`YX]h`

hUddfcdf]UHY`dUfUd`fUg]b[.`7`U`b[ ]b[ `U`Z`k`k`cfXg`UbX`d`fUgYg`k`Y`a`cghmifYU]b]b[ `hY`cf][ ]bU`g]fi`W`fY`UbX`#`f`dfc[`fYgg]cb`cZ]XYUg`cZ`h`Y`cf][ ]bU`z`UbX`]b`Z`fa`U]cb`k`]h`ci`hUW`bck`YX[ Ya`Ybh`H`g`U`gc`Udd`Yg`]b`dfYgYbhU]cbg`k`Y`fY`gca`YcbY`dUfUd`fUgYg`Ubc`h`Y`f`g`]XYUg`cf`k`cfXg`k`]h`ci`hW`YX]h`UbX`hc`d]Y]b[ `hc[ Y`h`Y`f`ei`chYg`UbX`dUfUd`fUgYg`]b`hc`U`b`Y`k`k`Y`c`Y`z`k`]h`ci`hUddfcdf]UHY`fY`ZY`fY`bW]b[ "

7`c`i`g]cb.`k`cf\_]b[ `k`]h`c`h`Y`fg`Vi`hdUgg]b[ `cZ`h`Y`k`cf\_]Ug`U`d`Y`fg`cb`g`]bX]j`]Xi`U`k`cf\_]7`c`i`g]cb`U`gc`]bW`i`XYg`dfcj`X]b[ `mci`f`k`cf\_]hc`Ubc`h`Y`f`gh`XYbhVY`Z`fY`h`Y`Xi`Y`XU`h`z`cf`Z`f`h`Y`di`fdcgY`cZ`h`Ya`d`U[ ]Uf]g]b[ `Uh`Ubm]h]a`Y`z`dUm]b[ `Ubc`h`Y`f`d`Y`fg`cb`hc`d`Y`Z`fa`Ub`UW`X`Ya`]W`h`Ug`z`gh`U`]b[ `cf`UW`ei`]f]b[ `Ubc`h`Y`f`d`Y`fg`cb`g`UW`X`Ya`]W`k`cf\_]UbX`W`dm]b[`]h`z`cZ`Y]b[ `hc`W`ta`d`Y`h`Ubc`h`Y`f`d`Y`fg`cb`g`k`cf\_]cf`g`Y`Y\_]b[`dU`ma`Y`bh`Z`f`W`ta`d`Y`h]b[ `UW`X`Ya`]W`k`cf\_]`

hUddfcdf]UHY`W]h]cb.`7`h]b[ `gci`fW`g`k`]W`U`j`Y`bchVYYb`fYUX`z`k`]h`ci`hUW`bck`YX[ ]b[ `hY`gY`W`b`X`U`f`m`gci`fW`Z`ca`k`]W`\_`bck`YX[ Y`cZ`h`Ya`U`g`VYYb`cV]h]bYX`

8`i`d`]W]h]cb`f`f`gY`Z`d`U[ ]Uf]ga`"L`gi`Va`]h]b[ `mci`f`ck`b`k`cf`z`]b`k`Y`cf`]b`d`U`f`z`k`Y`fY`]h`U`g`d`fYj`]ci`g`m`VYYb`dfY`d`U`fYX`cf`gi`Va`]hYX`Z`f`Ubc`h`Y`f`UggY`gga`Y`bhcf`W`ei`fgY`U`h`I`BGK`cf`Ubc`h`Y`f`i`b]j`Y`fg]m`

7`c`f`Y`W`h`f`Y`Z`f`Y`bW]b[ `d`f`U`W]W`g.

- DUFUd`fUg]b[ `z`gi`a`a`Uf]g]b[ `z`Y`gg`U`mk`f]h]b[ `UbX`h]a`Y`a`UbU[ Ya`Ybh`



## 5 WUXYa ]WbZcfa Uhcb`

: cf`YggYbh]U`ghi XYbh]bZcfa Uhcb`fY`Uh]b[ `hc.

- fYei Yghg`ZcfYI hYbg]cb/
- `UhY`gi Va ]gg]cbg`[ i ]XY`]bYg/
- fYj ]Yk `cZa Uf\_g/
- I BGK `<YU`h`UbX`GUZY`midc`]WYg/
- YI Ua ]bUh]cb`dfcVWXi fYg/
- gdYW]U`Vc]bg]XYfUh]cb`]b`hY`Yj Ybhcz]`bYgg`cf`a ]gUXj Ybh fY/
- ghi XYbhYei ]hmUbX`X]gUV`]`hm/
- UbX`chYf`YggYbh]U`UWUXYa ]W]bZcfa Uh]cbz`gYY

[\hfg.#k k k "Ufng"i bgk "YXi "Ui #W ffYbhghi XYbh\]bZcfa Uhcb`dfc\]Vc`g!\[ i \]XY`\]bYg#](#)

⇒ U[ Y`7fYX]h

: ]Y`X`F YWcfX]b[ `Uhi6i bXUbc`b`&\$% žD\chc`Vm5XUa `<i `VYfh

7F ⇒ CG

7F ⇒ CG`Dfcj ]XYf`7cXY.`\$\$\$- ;