



MUSC3706

DYfZcfa UbWV '@JVcfUhc fm7 'f7 fYUhj Y 'DfUWjWV #A i g]W
DYXU[c[mł

HYfa 'Cby''##'&\$&\$

7 ci fgY`Cj Yfj JYk

`GHUZZ`7 cbhUW`i8YHUJ`g`

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B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWUjcb	D\cbY
>c\b`B Ud]Yf	^bUd]Yf4 i bgk "YXi "Ui	: f]XUm%&!%ž'cfVm Uddc]bha Ybž'cf Xfcd`]b	K YVghYf`%%	- ' ,) * -) '

GWXcc`7 cbhUW`i`bZcfa Uhjcb

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

D\cbY. f\$&Ł- ' ,) '(,) *

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

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

H\Y`GWXcc`cZhY`5fng`UbX`A YX]U`k ci `X`_]Y`hc`F YgdYWw`m5W`bck`YX[Y`hY`HfUX]hcbU`7 i ghcX]Ubgž`hY`6YXY[U`fP`Ybg]b[hcb`WJa di gŁž; UX][U`f7]mUbX`5fhi`8Yg][b`7 Ua di gYgŁ`UbX`hY`B [i bbUk U`dYcd`Y`fBi gLfU]Ub`8YZ`bVW : cfW`5WUXYa m]b`7 UbVYffUŁ`cZhY`UbXg`k \YfY`YUW`WJa di g`cZI`BGK`]g`cWU`hY`X"

7ci fgY'8YHJ]`g

7fYX]hDc]bHg`(`

Gi a a UfmicZh\Y'7ci fgY

Gi VYWh5fYU.? ge[U BWAad_ S` UW ? ge[U 5a_ bae[fa` t ? ge[U 7` eW_ T`W

A I G7' +\$*`DYfZcfa UbW`@UvcfUhcfm7`fA i g]W7 fYUhj`Y`DfUW]W`/`A i g]WDYXU[c[nE`]g`h\Y`h`]fX
DYfZcfa UbW`@UvcfUhcfmVci fgY`Zcf`gh`XYbHg`Ybfc`YX`]b`h\Y`A i g]W7 fYUhj`Y`DfUW]W`UbX`A i g]W
DYXU[c[mia U`c`fg`c`Z`h`Y`6`U`W`Y`c`f`c`Z`A i g]Wdfc[fUa`" `h`V`c`b`g`c`]X`U`h`g`h`Y`a`]`Y`g`r`c`b`Y`g`U`W`Y`j`Y`X`]`b`Y`U`F`]`Y`f`
DYfZcfa UbW`@UvcfUhcfmVci fgYgZ`Z`f`h`Y`f`X`Y`j`Y`c`d`]b[`h`Y`g`h` XYbHg`h`V`X`b`]W`U`z`W`Y`U`h`j`Y`U`b`X`]`b`h`f`d`f`Y`h`j`Y`
g_]`g`" `H`Y`V`c`i` fgY`U`g`c`V`i`]`X`g`c`b`g`h` XYbHg`U`k`U`f`Y`b`Y`g`g`c`Z`U`f`U`b[`Y`c`Z`a`i`g]W`U`[`Y`b`f`Y`g`U`b`X`d`f`U`W`]`W`g`
Y`b`V`c`i` b`h`f`Y`X`]`b`c`h`Y`f`V`c`i` fgYg`]`b`h`Y`a`i`g]Wdfc[fUa`" `G`h` XYbHg`Y`U`f`b`c`U`d`d`m`W`]`h`W`U`]`g`h`Y`b`]`b[`U`b`X`
f`Y`U`X`]`b[`g`c`Z`d`Y`f`Z`c`f`a` UbW`" `]`h`f`U`h` f`Y`U`b`X`[`U`]`b`Z`f`h`Y`f`g`_]`g`U`b`X`Y`i`d`Y`f`]`Y`b`W`]`b`h`Y`X`Y`j`Y`c`d`a`Y`b`h`c`Z`Y`b`g`Y`a`V`Y`
d`Y`f`Z`c`f`a` UbW`g`"

BchY. `H\]g`]g`U`%&`I` C`7`V`c`i` fgY`" `M`c`i` `k`]`Y`b`f`c`]`b[(` `I` C`7`]`b`Y`U`W`c`Z`h`f`Y`Y`g`i`W`W`g`g`j`Y`h`f`a`g`k`]`h`U`f`Y`g`i`h`
f`Y`d`c`f`h`X`V`m`U`g`]`b[`Y`[`f`U`X`Y`U`h`h`Y`Y`b`X`c`Z`h`Y`h`]`f`X`(` `I` C`7`V`c`i` fgY`"

7ci fgY`@YUfb]b[`Ci hW`a`Yg

%` 5`d`d`m`W`]`h`W`g`a` `U`b`X`U`b`U`m`g`]`g`c`Z`h`Y`" `]`h`f`U`h` f`Y`c`b`d`Y`f`Z`c`f`a` UbW`z`U`b`X`c`Z`a` U`g`h`f`W`U`g`g`d`f`Y`g`Y`b`h`j`c`b`g`z`
`h`c`h`Y`d`f`Y`d`U`f`U`h`c`b`c`Z`h`Y`f`c`k`b`d`Y`f`Z`c`f`a` UbW`
&` :` c`f`a`i` `U`h`Y`U`f`h`g`h`W`c`V`Y`W`]`j`Y`g`U`b`X`f`Y`U`]`g`Y`h`Y`a` `]`b`U`f`U`b[`Y`c`Z`g`m`Y`g`]`b`d`Y`f`Z`c`f`a` UbW`c`f`V`c`a`d`c`g`]`h`c`b`
'` " `5`d`d`m`d`f`]`b`W`d`Y`g`c`Z`h`Y`a`k`c`f`_`h`c`a`i`g]W`Y`b`g`Y`a`V`Y`

HYUWX`]b[`G`h`f`U`h`[`]`Y`g`

G`h` XYbHg`f`d`Y`f`g`c`b`U`g_]`g`]`b`d`Y`f`Z`c`f`a` UbW`c`f`V`c`a`d`c`g`]`h`c`b`k`]`V`Y`X`Y`j`Y`c`d`Y`X`h`f`c`i`[`]`c`b`Y`c`b`c`b`Y`
V`c`b`g`i`h`U`h`c`b`g`k`]`h`g`d`Y`W`U`]`g`h`i`h`c`f`g`Q`I` `%`&`c`i`f`Y`U`W`h`f`]`a`Y`g`h`f`Q`" `h`k`c`f`_`g`c`d`g`Q`I`%)` `]`c`i` fg`Y`U`W`X`
h`f`]`a`Y`g`h`f`Q`]`b`g`h`f`a`Y`b`h`U`U`b`X`j`c`W`U`g`h` XYbHg`k`]`" `]`U`]`b`d`Y`f`Z`c`f`a` UbW`Y`i`d`Y`f`]`Y`b`W`z`k` \`]`Y`V`c`a`d`c`g`]`h`c`b`g`h` XYbHg`
k`]`V`Y`V`c`a`Y`Z`J`a`]`]`U`f`k`]`h`]`g`g`i`Y`g`U`Z`Y`W`]`b[`d`Y`f`Z`c`f`a` UbW`U`b`X`d`Y`f`Z`c`f`a` UbW`d`f`Y`d`U`f`U`h`c`b`" `K`c`f`_`g`c`d`g`Y`h`]`b[`g`
k`]`U`g`c`g`i`d`d`c`f`h`Y`b[`U[`Y`a`Y`b`h`k`]`h`]`g`g`i`Y`g`V`c`b`W`f`b`]`b[`a`i`g]W`U`b`g`f`h`Y`U`h`U`b`X`k`Y`V`Y`]`b[`z`h`Y`X`Y`j`Y`c`d`a`Y`b`h`
c`Z`g`h`U[`Y`V`c`b`X`i`W`z`U`b`X`U`b`Y`Y`a`Y`b`h`c`Z`d`Y`Y`f`c`V`g`Y`f`j`U`h`c`b`Z`c`f`g`d`Y`W`U`]`g`h`d`Y`f`Z`c`f`a` UbW`U`b`X`V`c`a`d`c`g`]`h`c`b`
[`f`c`i`d`g`" `G`h` XYbHg`k`]`U`h`Y`b`X`a`U`g`h`f`W`U`g`g`Y`g`Y`X`V`m`j`]`g`]`h`b[`Y`i`d`Y`f`h`g`]`b`U`f`U`b[`Y`c`Z`a`i`g]W`U`]`b`g`h`f`a`Y`b`h`g`z`
j`c`]`W`g`U`b`X`g`h`m`Y`g`z`Y`b`V`c`i`f`U[`]`b[`g`h` XYbHg`h`c`X`f`U`k`" `]`b`_`g`U`b`X`V`c`a`d`U`f`]`g`c`b`g`k`]`h`h`Y`]`f`d`Y`f`g`c`b`U`g`h`X`]`Y`g`
Q`W`c`c`g`]`b[`(`I`&`&`c`i` fg`Z`f`c`a` `b`]`b`Y`a`U`g`h`f`W`U`g`g`Y`g`U`W`c`c`g`h`Y`m`Y`U`f`Q`" `5`" `g`h` XYbHg`k`]`" `d`U`f`h`W`d`U`h`Y`]`b`X`]`f`Y`W`Y`X`
Y`b`g`Y`a`V`Y`g`z`W`c`c`g`]`b[`Z`f`c`a` `U`k`]`X`Y`f`U`b[`Y`c`Z`a`i`g]W`U`g`h`m`Y`g`U`b`X`W`h`f`Y`g`U`b`X`d`U`f`h`W`d`U`h`]`b[`]`b`U`Z`]`b`U`
d`Y`f`Z`c`f`a` UbW`]`b`Y`U`W`X`h`f`]`a`Y`g`h`f`Q`I`&`&`c`i` fg`f`Y`Y`U`f`g`U`g`]`b`Y`U`W`X`h`f`]`a`Y`g`h`f`Q`

5ggYgga Ybh

5 hYbXUbW`F Yei]fYa Ybhg

Gh XYbhg`UFY`ghfcb[`mYbWci fU[YX`hc`UhhYbX`U`WUggYg`UbX`fYj]Yk ``YWhi fY`fYWc`fX]b[g"

7 ci fgY`GWXYXi `Y

[J \]Yk`WUgg`hja`YhUV`Y](#)

H]a`YhUV`Y`

8UhY	HmdY	7cbhYbh
K`YY`_%`%+`:`YVfi`Ufm!`&% :`YVfi`Ufm		A`cgh`WUggYg`k`j`Wc`bg]ghcZk`cf`_g`cdd]b[`ghi`XYbh dYfZcfa`UbWg"5`Z`g`WXYXi`Y`Zc`f`gh`XYbh dfYgYb]h]cbg`k`j`VY`XfUZ`YX`Vmh`Y`YbX`cZk`YY`_%

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Hi fb]hb`Gi Va]gg]cb

≠mci`YbWci`bhYf`U`dfcV`Ya`k`Yb`U`H`Ya`dh]b[`h`c`gi`Va`]h`mci`f`Ugg][`ba`Ybh`h`fci`[`\`Hi`fb]hb`z`d`Y`Ug`Y`
H`Y`d`l`cb`Y`9I`H`fb`U`Gi`ddc`fh`cb`-`,`),`"`,`'`,`%`c`f`Ya`U`]`h`Ya`i`cb`YI`H`fb`U`H`h`gi`ddc`fh`4`i`bgk`"YXi`"Ui`"Gi`ddc`fh`
`l`ci`fg`U`f`Y`,`.\$`\$Ua`i`-%`\$.`\$\$da`i`cb`k`YY`X`Umg`U`b`X`-`.`.\$`\$Ua`i`-`i`).`.\$`\$da`i`cb`k`YY`Y`b`X`g`f`l`*)`X`Umg`U`m`Y`U`f`l`"≠mci`
U`f`Y`i`b`U`V`Y`h`c`gi`Va`]h`mci`f`Ugg][`ba`Ybh`Xi`Y`h`c`U`Z`U`i`h`k`]h`Hi`fb]hb`mci`i`a`Um`U`dd`m`i`Z`c`f`U`b`YI`H`bg]cb`z`Vi`h`mci`
a`i`gh`f`Y`h`U]b`mci`f`h`W`Y`h`bi`a`V`Y`f`Z`c`a`i`9I`H`fb`U`Gi`ddc`fh`f`U`cb[`k`]h`U`b`m`c`h`Y`f`f`Y`Y`U`b`h`X`c`W`a`Y`b`h`g`l`h`c`
]b`W`i`X`Y`U`g`Y`j`]X`Y`b`W`h`c`gi`ddc`fh`mci`f`YI`H`bg]cb`U`dd`]W`h`cb`"≠mci`Ya`U`]`9I`H`fb`U`Gi`ddc`fh`mci`k`]`
Ui`h`c`a`U`h`W`U`m`i`f`Y`W`]j`Y`U`h`W`Y`h`bi`a`V`Y`f`z`Vi`h`]Z`mci`H`Y`d`l`cb`Y`mci`k`]`b`Y`Y`X`h`c`g`d`Y`W`Z`W`U`m`U`g`_`Z`c`f`cb`Y`
Hi`fb]hb`U`gc`d`f`c`j`]X`Y`g`i`d`X`U`H`Y`g`i`cb`h`Y`]f`g`m`g`h`Y`a`i`g`h`U`h`g`i`cb`H`k`]h`Y`f`"

;`Y`b`Y`f`U`m`z`U`gg`Y`g`g`a`Y`b`h`U`g`_`g`a`i`gh`V`Y`gi`Va`]h`Y`X`Y`Y`W`f`cb]W`U`m`j`]U`Y`]h`Y`f`Hi`fb]hb`c`f`U`A`cc`X`Y`
U`gg][`ba`Y`b`h`i`b`]b`g`h`U`b`W`g`k`Y`f`Y`h`l`g`]g`b`c`h`i`d`c`g`g]V`Y`z`]h`k`]`V`Y`g`h`U`H`X`i`cb`mci`f`W`ci`fg`Y`g`A`cc`X`Y`g`]h`k`]h`
U`h`f`b`U`h`j`Y`gi`Va`]gg]cb`X`Y`h`U]g`"

:`c`f`]b`Z`c`f`a`U`h`c`b`c`b`l`c`k`h`c`gi`Va`]h`U`gg][`ba`Y`b`h`g`i`cb`]b`Y`j`]U`A`cc`X`Y`.\`h`h`d`g`#`g`h`X`Y`b`h`i`bgk`"YXi`"Ui`#`ack`!
gi`Va`]h`U`gg][`ba`Y`b`h`a`cc`X`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" #WUbb'U_Y'a Ubm Zcfa gž Zca 'XY'VYfUHY'WXUhb]b['hc'UWVXYbhU`mWčdm]b['Zca 'U'gci fW'k]h'ci hUW_bck 'YX[Ya Ybh'

I BGK '[fci dg'd`U[]Uf]ga]bhc'hY'Zč`ck]b['WUHY[cf]Yg.

7cdm]b[.i g]b['hY'gUa Y'cf'j Yfmg]a]Uf'k cfXg'hc'hY'cf][]bU`hYI 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[YgžUfhUbX'XYg][b'dfc'YWgžUg'k Y`Ug'dfYgYbhU]cbg'k \YfY'gca YcbY'dfYgYbhg'UbchYf'g'XYUg'cf'k cfXg'k]h'ci hWYX]h'

#Uddfcdf]UHY'dUfUd\fUg]b[.7 \Ub[]b['U'Zk 'k cfXg'UbX'd\UgYg'k \]Y'a cghmifYU]b]b['hY'cf][]bU'gf'i W'fY'UbX#cf'dfc[fYgg]cb'cZ]XYUg'cZhY'cf][]bU'žUbX']bZcfa U]cb'k]h'ci hUW_bck 'YX[Ya Ybh' 'H\g'U'gc'Udd'Yg']b'dfYgYbhU]cbg'k \YfY'gca YcbY'dUfUd\UgYg'UbchYf'g'XYUg'cf'k cfXg'k]h'ci hWYX]h'UbX'hc'd]YW]b['hc[YhYf'ei chYg'UbX'dUfUd\UgYg']bhc'U'bYk 'k \c'Yžk]h'ci hUddfcdf]UHY'fYZfYbW]b["

7c`i g]cb.'k cf_]b['k]h'chYfg'Vi hdUgg]b['cZhY'k cf_'Ug'U'dYfgcb'g']bX]j]Xi U'k cf_"7c`i g]cb'U'gc]bWi XYg'dfcj]X]b['mci f'k cf_'hc'UbchYf'gh'XYbhVYZc'fY'hY'Xi Y'XUHYžcf'Zc'f'hY'di fdcgY'cZhYa d`U[]Uf]g]b['UhUbm]h]a Yž'dUm]b['UbchYf'dYfgcb'hc'dYfZc'fa 'Ub'UWUXYa]W]Ug_žghYU']b['cf'UWči]f]b[UbchYf'dYfgcb'g'UWUXYa]Wk cf_'UbX'Wčdm]b[]h'čZf]b['hc'Wč'a d'Yh'UbchYf'dYfgcb'g'k cf_'cf'gYY_]b[dUma YbhZc'Wč'a d'Yh]b['UWUXYa]Wk cf_"

#Uddfcdf]UHY'W]U]cb.'7]h]b['gci fW'g'k \]W\Uj Y'bhVYYb'fYUXžk]h'ci hUW_bck 'YX[]b['hY'gYWčbXUfm' gci fW'Zca 'k \]W'_bck 'YX[Y'cZhYa '\Ug'VYYb'cVU]bYX"

8i d']WU]cb'f'fY'Zd`U[]Uf]ga "L'gi Va]h]b['mci f'ck b'k cf_ž]b'k \c'Y'cf']b'dUf'žk \YfY']h\Ug'dfYj]ci g'm VYYb'dfYdUfYX'cf'gi Va]hYX'Zc'f'UbchYf'UggYgga Ybhcf'Wč'i fgY'Uhi BGK 'cf'UbchYf'i b]j Yfg]m'

7cffYW'fYZfYbW]b['dfUW]W'g.

- DUfUd\Ug]b[žgi a a Uf]g]b[žYggUmk f]h]b['UbX'h]a Y'a UbU[Ya Ybh

5 WUXYa]W]bZcfa Uh]cb`

: cf`YggYbh]U`ghi XYbh]bZcfa Uh]cb`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]m]UbX`X]gUV`]m/
- UbX`chYf`YggYbh]U`UWUXYa]W]bZcfa Uh]cbz`gYY

[\h\]dg.#k k k "Ufmg"i bgk "YXi "Ui #W ffYbh\]ghi XYbh\]bZcfa Uh\]cb`dfc\]Vc`g!\[i \]XY`\]bYg#](#)

⇒ U[Y`7 fYX]h

H\]g`]a U[Y`]g`a mick b`dfcdYffm

7F ⇒ CG

7F ⇒ CG`Dfcj]XYf`7cXY.`\$\$\$- ;