

BIOM9027

A YX]WU`-a U[]b[

HYTa` z&\$&%



7 ci fgY`Cj Yfj JYk

GHJZZ'7 cbhJWw'8YhU]`g

7cbj Ybcfg

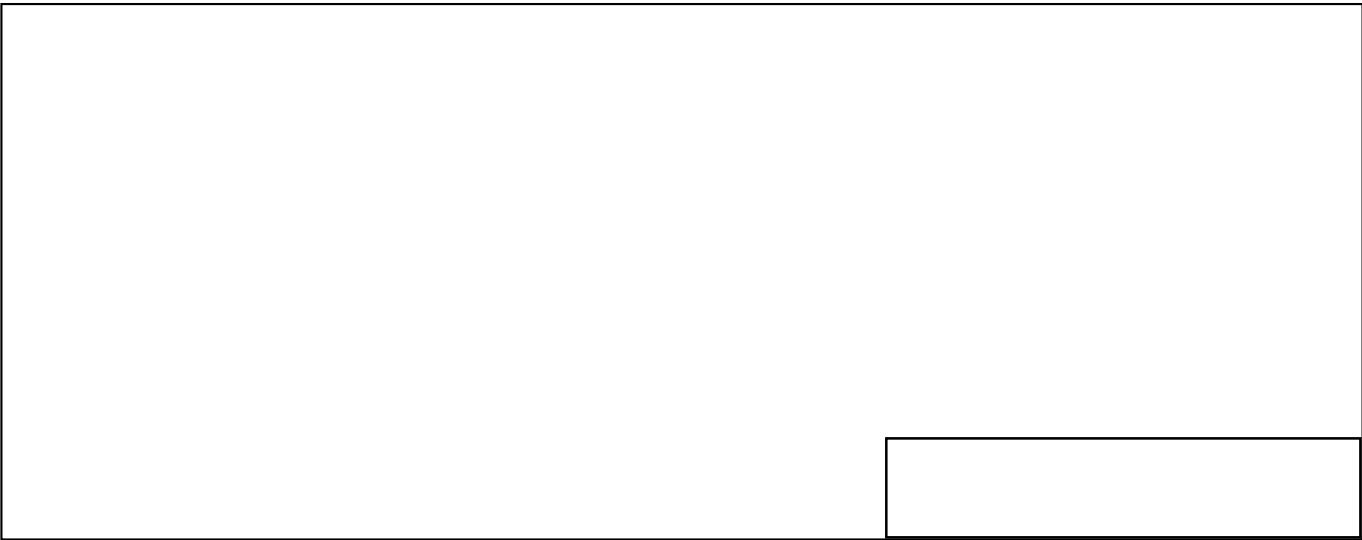
B Ua Y	9a U]`	5j U]`UV]`]m	@cWWh]cb	D\cbY
F cVYfhBcfXcb	f"bcfXcb4 i bgk "YXi "Ui			Ž *%&' ,) \$)) ,

@YWw' fYfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cWWh]cb	D\cbY
A]rU`GUZJj]! BUY]b]	a "gUZJj]!bUY]b]4 i bgk "YXi "Ui		5BGHC	Ž *%&' - +%+ ' %&'
7 `Ui X]U <]`YbVfUbX	WUi X]U"\"`YbVfUbX4 i bgk "YXi "Ui		@Yj Y`%ž 6i]X]b[' ' ž Df]bW`cZ K UYg < cgd]h`ž F UbXk]Wž BGK ž&\$' %	

GWXcc`7 cbhJWw'žZcfa Uh]cb

Gh XYbhGYfj]Wg`WUb`VY`WcbhJWw'X'j]U`i [bgk "hc# YVZcfa g"](#)



Gi [[YghYX'UddfcUWX 'hc''YUfb]b[5''cZH\Y'Wci fgY'WcbHYbhk]''VY'XY'j] YfYX'cb`]bY i g]b['A ccX'Y'Zcf'WcbHYbhUbX'Ugg][ba YbHg" A]WfcgcZiHYUa g'k]''VY'i gYX'Zcf'h\Y'XY'j] YfmcZ`j] Y hi hcf]U'g'UbX'[fci d'k cf_" H\Y'hi hcf]U'k]''VY'k YV!VUgYX'XY'j] YfYX'i g]b['h\Y

K YY_+. '&) 'C WtcVYf! &- 'C WtcVYf	C b`]bY'5Wj]]m	A F =< UfXk UfY'UbX'gdYWU`']a U[]b['a YhcXg" @YWhi fYf.'8f'7'Ui X]U'<]`YbVfUbx
K YY_'; . '%Bcj Ya VYf!) 'Bcj Ya VYf	C b`]bY'5Wj]]m	Bi WYUf'a YX]W]bY. 'd\mg]VgžfUX]cd\Ufa UW'i h]WU'gž XYhWtcfg"@YWhi fYf.'8f'A]fU'GUZj]!BUY]b]
K YY_-'.'; 'Bcj Ya VYf! %&'Bcj Ya VYf	C b`]bY'5Wj]]m	Bi WYUf'a YX]W]bY. 'X][]hU`']a U[]b['UbX'XUfU dfcVWgg]b["'@YWhi fYf.'8f'A]fU'GUZj]!BUY]b]
K YY_%. '\$. '%) 'Bcj Ya VYf !'%' 'Bcj Ya VYf	C b`]bY'5Wj]]m	Bi WYUf'a YX]W]bY. 'GD97H'UbX'D9H'#F Yj]g]cb" @YWhi fYf.'A]fU'GUZj]!BUY]b]

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

@UVcfUhcfmfYdcfhg`UbX`a U`cf`Ugg][ba Ybhg`k]`fYei]fY`U`[Bcb`D`U\[\]Uf\]ga`8YWUfU\]cb`7cj`Yf`G`YYh`](#)

@UH`gi Va]gg]cbg`k]`VY`dYbU`]gYX`%\$i`cZ`h`Y`a Uf`Zcf`YUW`W]`YbXUf`XUm`UH`"Z`mci`ZcfYgYY`U`dfcV`Ya
]b`a`YYh]b[`h`Y`bca`]bUH`X`gi Va]gg]cb`XUH`d`YUgY`W`b`h`U`W`h`Y`7`ci`fgY`7`cbj`Ybcf`h`a`U`_`Y`Ub`Uddc]bha`Ybh
h`X]gW`gg`mci`f`g]h`U]cb`Ug`gccb`Ug`dcgg]V`Y"

5 WUXYa]W< cbYgmiUbX`D`U[]Uf]ga

D@5; ≠F ≠GA

6Yk UFY`5b`Ugg][ba YbhUUh]bWi XYg`d`U[]Uf]gYX`a UHYf]U`k]`fYW]j Y`U`\$i : U]žUbX`ghi XYbhtg`k \c
d`U[]Uf]gY`a UmZU]`hY`Wti fgY`Gh XYbhtg`k \c`d`U[]Uf]gY`k]`Uj Y`hY]f`bUa Yg`YbHYfYX`cb`U`d`U[]Uf]ga
fY[]ghYf`UbX`k]`VY`UV`Y`hc`X]gW]d`]bUfmiUW]cbž]bWi X]b[`YI Wi g]cb`Zca `Ybfc`a`Ybh`

4]g`YI dYWYX`hUUhU`ghi XYbhtg`a i ghUhU`h]a Yg`gi Va]hY]f`ck`b`k`cf`_`Zcf`UggYgga Ybh`Gi Va]h]b[`hY
k`cf`_`cf`]XYUg`cZgca YcbY`Y`gY`k]h]ci hWYUfmiUW_bck`YX[]b[`hY`gci fW`cZVcffck YX`a UHYf]U`cf`]XYUg`]g
d`U[]Uf]ga "

5`UggYgga Ybhtg`k \]M`mci `UbX`]b`a i gh`Uj Y`U [B.cb`D`U\[\]Uf\]ga`8YWUfU\]cb`7cj Yf`G`YYh](#)

5WUXYa]W=Zcfa Uh]cb

7CI FG9'9J5@! 5H€B'5B8'89J9@CDA 9BH

Gh XYbhZYXVUW_\Ug\Y'dYX'hc'g\UdY'UbX'XYj Y'cd'h\]g'Wci fgYz]bWi X]b['ZYXVUW_cVHU]bYX'Zca'cb!
]bY'Yj U'i Uh]cbg'Ug'dUfhcZI BGK 'g'Ug'dUfhcZI BGK 'g'a m9I dYf]YbW'dfcWgg"Mc i 'UfY'\[\m

