

Jeffrey M. DaCosta, Ph.D.

Dkqnq i { "Fgrctv o gpv
Dquvqp"Eqnng i g
362"Eq o o qpy gcnv j "Cxgpwg."Ej guvpwv" J km" OC"24689
Ighhtg {0fcequvc*cv+de0gfw
jvvruc<llukvgu0i qq i ng0eq o lclde0gfwllghh/fcequvc

EDUCATION

- 4236 Rj0F0"Dkqnq i {
Fgrctv o gpv"qh"Dkqnq i {."Dquvqp"Wpkxgtukv {."Dquvqp." OC
Cecfg o ke"Cfxkuqt<"Ft0"Okej cgn"Uqtgpuqp
- 4228 O0Ue0"Dkqnq i {
Uejqqn"qh"Nkhg"Uekgpegu."Wpkxgtukv { "qh"Pgxcfc."Ncu"Xg i cu."PX
Cecfg o ke"cfxkuqt<"Ft0"Lqjp"Mnkemc"cpf" Ft0"Dtgvv"Tkffng
- 3; ; : D0U0"Dkqnq i {
Fgrctv o gpv"qh"Dkqnq i {."Wpkxgtukv { "qh"Ocuucej wugvvu."C o jgtuv." OC

PROFESSIONAL APPOINTMENTS

- 4244/Rtgugpv Cuuqekcvg"Rtqhguuqt"qh"vjg"Rtcevkeg
Dkqnq i { "Fgrctv o gpv."Dquvqp"Eqnng i g."Ej guvpwv" J km." OC
- 4238/4244 Cuukuvcpv"Rtqhguuqt"qh"vjg"Rtcevkeg
Dkqnq i { "Fgrctv o gpv."Dquvqp"Eqnng i g."Ej guvpwv" J km." OC
- 4226/Rtgugpv Tgugcte j "Gswkr o gpv"Rtqi tc o "Ej ckt"cpf"Dqctf" Ogo dgt
Pggvtqrkecn" I tcuuncpf"Eqpugtxcpe {
P I Q"fgfkecvgf"vq"vjg"eqpugtxcvkqp"qh"Pgqvtqrkecn"i tcuuncpfu
- 4236/4238 Rquv/fqevqtcn"Hgnny
Fgrv0"Qti cpku o ke"cpf"Gxqnwvkqpct { "Dkqn0." J ctxctf"Wpkxgtukv {."Ec o dtkf i g." OC
Eq o rctcvkxg"i gpp o keu"qh" c"ur gekgu"tcfkcvkqp<"ugswgpekpi"vjg"cr rng"vtkdg
- 4229/4236 Tgugcte j "cpf"Vgcej kpi "Hgnny
Fgrctv o gpv"qh"Dkqnq i {."Dquvqp"Wpkxgtukv {."Dquvqp." OC
- 4227/4228 Tgugcte j "Vgej pkekcp
Uejqqn"qh"Nkhg"Uekgpegu."Wpkxgtukv { "qh"Pgxcfc."Ncu"Xg i cu."PX
Uwtxg { u"qh"hnc o o wncvgf"qy nu"* + "kp"Pgxcfc
- 4225/4228 Tgugcte j "cpf"Vgcej kpi "Cuukuvcpv
Uejqqn"qh"Nkhg"Uekgpegu."Wpkxgtukv { "qh"Pgxcfc."Ncu"Xg i cu."PX
- 4222/4225 T (F"Urgekenkuv"K
Vtcpumct { qvke"Vjgtcrkgu."Ec o dtkf i g." OC

Rtg/enkpekn"tgugcte j "wukpi "c"mpqemqvw" o qwug" o qf gn
3 ; ; ; /4222 Hkgnf"Cuukuvcpv
Fgrv0"qh"Geqngi { "cpf"Gxqnwvkqpct { "Dkqn0."Eqtpgmn"Wpkxgtukv { "Kvj cec."P [
Yqtmgf"hqt"Rj F"ecpfkfcygu"kp"Fcxf"Ykpmngt0"ncd"cv"Eqtpgmn
3 ; ; : Kpvgtp
WU" Fgrctv o gpv"qh"C i tkewnvtg."Ocrngvqp."QT
Rqrwncvkqp" o qpkvqtkpi "qh"vjg"pqtvjgtp"urqvvgf"qy n"* +

PUBLICATIONS

Yknuqp"TG."Uqupvjci gp"UC. **DaCosta JM.**"Uqtgpuqp" OF. Hqz"CF."Ygcxgt"O."Umcnqu" F.
Mqpftecv { gx"CX."Uetkdpgt"MV."Ycnuj"C."Gn { "ET."Vendqv"UC0"42440"Cu"vjg" I qqug"Hnkgu<
Oki tcvkqp" Tqwygu"cpf"Vko kpi "Kphnwgpeg"Rcvvgtpu"qh" I gpgvke" Fkxgtukv { "kp" c" Ektew o r qnct
Oki tcvqt { " J gtdkxqtg0" Fkxgtukv { 0"36<"32890
Urqwku yqqfg"EP."Vqpi "Y."Lc o kg" I C."Uvt { lgy umk"MH. **DaCosta JM.**"Mwtcu"GT." I tggp"C.
J c o c o c"U."Vc { nqt"KI."Oq { c"E."Uqtgpuqp" OF0"42440" I gpgvke"cte j kvgevtg" hceknkvcygu"vjgp
eqpvtckpu" c f c r vevkqp"kp" c" j quvó rctcukvg" eqgxqnwvkqpct { "ct o u" tceg0" Rtqeggf kpi u"qh"vjg
Pcvkqpcn" Cefg o { "qh"Uekgpegu"ó" WUC0"33 ; <"g434397433 ; 0
DaCosta JM cpf"Uqtgpuqp" OF0"42430"Xctkcvkqp"kp"vjg pqp/ o k o gvke" xqecnk | cvkqpu"qh
dtqqf/ rctcukvke" kpfki qdktfu"cpf"vjgkt" rqvpgvken" tqng"kp"urgekcvkqp0" Htqpvkgtu"kp"Geqngi { "cpf
Gxqnwvkqp0" ; <"947 ; 9 ; 0
Nctkuqp"D."Nkpfuc { "CT."Dquuw"E."Uqtgpuqp" OF."Mcrncp"LF."Gxgtu"FE."Retwm"L. **DaCosta JM.**
U o kvj "VD."Twi i "M0"42430"Ngxgtc i kpi" i gpg o keu"vq"wpfgtuvcpf"vjgcvu"vq" o ki tcvqt { "dktfu0
Gxqnwvkqpct { "Cr r nkecvkqpu0"36<"3868/387 : 0
Hgp i "H í " * @ 322"cwvjqtu+000 **DaCosta JM** í " \ j cpi" I 0"42420 Fgpug"uc o r n kpi "qh" dktf" f kxgtukv {
kpetgcugu" r q y g t" qh" e q o r c t c v k x g" i g p q o k e u 0" P c v w t g 0" 7 : 9 <" 474 / 479 0
F0Wtdcp" Lcemuqp" L."Dtwhqtf" O Y."U | 2mgn { "V. **DaCosta JM.**"Uqtgpuqp" OF."T wuuq" K O." O c j g t
M J." E t w | / N » r g | " O." I c n k p f q / G u r k p q u c" F." R c n c e k q u" G." f g" U w e t g / O g f t c p q" C G." E c x k w" L." R t w p g t
T." O q t e n g u" C N." I q p | c n g | " Q." D w t m g" V." M ã r r g t" E 0" 42420" R q r w n c v k q p" f k h h g t g p v k c v k q p" c p f
j k u v q t k e c n" f g o q i t c r j { " q h" v j g" v j t g e v g p g f" u p q y { " r n q x g t * E c u u k p." 3 : 7 : + 0
E q p u g t x c v k q p" I g p g v k e u 0" 43 <" 5 : 9 / 626 0
R q x k n w u" T C. **DaCosta JM.**" I t c u u c" E." U c v { c m k" R T X" O q g i n g k p O." L c g p k u e j" L." Z k" \." O c v j g y u" U.
I g j t k p i" O." F c x k u" E E." H t k g f o c p" Y G 0" 42420" Y c v g t" n k n { "*" + " i g p q o g
t g x g c n u" x c t k c d n g" i g p q o k e" u k i p e v w t g u" q h" c p e k g p v" x c u e w n c t" r n c p v u" e c o d k w o" n q u u g u 0" 42420
P c v k q p c n" C e f g o { " q h" U e k g p e g u" ó" W U C 0" 339 <" : 86 ; / : 878 0
Y g n n u" E R." N c x t g v u m { " R." U q t g p u q p" O F." R g v g t u" L N. **DaCosta JM.**" V w t p d w n n" U." W { g j c t c" M L.
O n c e j q y u m k" E R." F w i i g t" D F." G c f k g" L O." G p i k n k u" L t" C 0" 423 ; 0" R g t u k u v g p e g" q h" c p" g p f c p i g t g f
p c v k x g" f w e m." h g t c n" o c n n c t f u." c p f" o w n v k r n g" j { d t k f" u y c t o u" c e t q u u" v j g" o c k p" J c y c k k e p" K u n c p f u 0
O q n g e w n c t" G e q n g i { 0" 4 : <" 7425 / 7438 0

Fqpi o q"LD. **DaCosta JM.**"Flkgvq/Nqtfqp"E."P icuuc o "R."Uqtgpuqp" O F0"423;0"Xctkcdng
r j {nq i gq i tcr jke"jkuvqtkgu"qh"hkxg"htqguv"dktfu"ykvj"rqrwncvkqpu"kp"Wrrgt"cpf"Nqygt" I wkpgc<
k o rnkecvkqpu"ht"vczqpq o {"cpf"gxqnwvkqpc{"eqpugtxcvkqp0"Quvtkej0";2<"479/4920

DaCosta JM."Oknngt"OL."Oqtvgpugp"LN."Tggf"LO."Ewtt{ TN."Uqtgpuqp" O F0"423;0
Rj {nq i gppq o keu"enctkhkgu"dkq i gq i tcr jke"cpf"gxqnwvkqpc{"jkuvqt{."cpf"eqpugtxcvkqp"uvcvwu"qh
Yguv"kp fkc p"vtg o dngtu"cpf"vjtcujgtu"*Cxgu<"Ok o kfcg+0"Oqngewnc t"Rj {nq i gpgvkeu"cpf
Gxqnwvkqp0"358<"3;8/4270

Ncxtgvum{"R. **DaCosta JM.**"Uqtgpuqp" O F."OeEtcemgp"MI. Rgvgtu"LN0"423;0"ffTCF ugs"fcvc
tgxgc n"uki pkhkecpv" i gppq o g ykfg"rqrwncvkqp"uvtwevwtg"cpf"fkxgt i gpv" i gppq o ke"tgikqpu"vjcv
fkuvkp i wku j "vjg" o cnc t f"cpf"enqug"tgnvcvkxgu"kp" Pqtvj "C o g tkec0" Oqngewnc t"Geqni {0"4 : <
47;6/482;0

Yknuqp"TG."Uqpvujc i gp"UC. **DaCosta JM.**"Gn{"ET."Uqtgpuqp O F."Vcndqv"UN0"423;0
Kfgpvkhkecvkqp"qh"ukping"pwengqv kfg"rqn{ o qtr jku o u"ht" wug"kp" c" i gpgvke"uvqem" kfgpvkhkecvkqp
u{uv g o "ht" i tgcvtg" y jkv g/htqpv g f" i qqug"* + uwdurgekgu"y kpvgtkp i"kp"Ecnkhtqpkc0
WU" I gqni kecn"Uwtxg{"Qrgp/Hkng" Tgrqtv"423;/32620

Rgvgtu"LN."Ncxtgvum{"R. **DaCosta JM.**"Dkgnghgnf"TT. Hgffgtugp"LE."Uqtgpuqp" O F0"4238
Rqrwncvkqp" i gppq o ke"fcvc" fgnkpgcvg"eqpugtxcvkqp"wpkvu"kp" o qvngf"fwemu"* +0
Dkqni kecn"Eqpugtxcvkqp0"425<"494/4:30

Ctpqn"DL."Nc j pgt"D. **DaCosta JM.**"Ygku o cp"EO." J qnkuvgt LF."Uc nv"FG."Dq o dngku"M." [cpv"N0
42380"Dqttq y g f"cmngnu"cpf"eqpxgt i gpeg"ugtrgpvkpg"cfrcvcvkqp"kp"vjg" hceg"qh"kpvtg/"cpf
kpvtcurgekhe" i gpg"hnq y0"Rtqeggfkpi u"qh"vjg" Pcvkqpcn"Cecfg o {"qh"Uekgpegu"o" WUC0"335<":542/
:5470

DaCosta JM cpf"Uqtgpuqp" O F0"42380"ffTCF/ugs"r j {nq i gpgvkeu dcugf"qp"pwengqv kfg."kpfgn.
cpf"rtgugpeg/cdugpeg"rqn{ o qtr jku o u<"cpcn{ugu"qh"v y q"cxkcp" i gpgtc"ykvj"eqpvtcuvkpi
jkuvqtkgu0"Oqngewnc t"Rj {nq i gpgvkeu"cpf"Gxqnwvkqp0";6<"344/3570

Ncxtgvum{"R. **DaCosta JM.**" J gtp^a pfg|/Dc^oqu"D."Gp i knku C."Uqtgpuqp" O F."cpf"Rgvgtu"L0"42370
Urgekcvkqp" i gppq o keu"cpf" c"tqng"ht"vjg" \ "ej tq o quq o g"kp"vjg" gctn{"uvc i gu"qh"fkxgt i gpeg
dgv y ggp"Ogzkecp"fwemu"cpf" o cnc t fu0" Oqngewnc t"Geqni {0"46<"75866759:0

Gdgn"G. **DaCosta JM.**"Uqtgpuqp" O F." J knn"T."Dtkueqg"C. Yknn o qvv"M."cpf"Owngp"U0"42370" Tcrkf
fkxgtukhkecvkqp"cuuqekcvgf"ykvj"geqni kecn"urgekcnk|cvkqp"kp" Pqvtqrkecn dwvvygthnkgu0
Oqngewnc t"Geqni {0"46<"45;4/46270

DaCosta JM cpf"Uqtgpuqp" O F0"42360"C o rnkkecvkqp"dkcugu cpf"eqpukuvgpv"tgeqxgt{"qh"nqek"kp" c
fquwdng/fk i guv"TCF/ugs"rtqvqeqn0"RNqU"Qpg0";<"g3289350

DaCosta JM cpf"Uqtgpuqp" O F0"4236 Cp"gzrgtk o gpvcn vguv"qh" jquv"uqpi" o k o ket{"cu" c"urgekgu
tgeq i pkvkqp"ewg" c o qpi" o cng"dtqqf" rctcukvke"kp fki qdktfu"* ur r0+0"Cwm<"Qtpkvj qnq i kecn
Cfxcpegu0"353<"76;/77:0

Uqtgpuqp" O F"cpf **DaCosta JM**0"4233 I gppq{ rkp i" J crUVT nqek<"r jcu g" fgvgt o kpcvkqp"htq o
fktgev"ugs¥

DaCosta JM. "Urgnno cp" I O. "Guecnpcvg"R. "cpf" Mnkemc" L0"422 ; 0" C" o qngewnc" u{ uvgo cvke" tgxlkukqp
qh"v yq" j kuvqtkecm { "rtqdn go cvke" uqpi dktf" encfgu< cpf 0" Lqwtpcn" qh" Cxkcp
Dkqnqi { 0" 62<" 428/4380

DaCosta JM. "Ygjvlg" Y. "cpf" Mnkemc" L0"422 : 0" J kuvqtke i gpgvke" uvtwevwtg" cpf" rctcr j { n{ " ykvj kp" vjg
I tgcv/vckngf" I tce mngu0" Eqpfqt0" 332<" 392/3990

DaCosta JM cpf" Mnkemc" L0"422 : 0" Vjg" I tgcv" C o gtkecp Kpvgtejcpig" kp" dktfu<" c" rj { nqi gpgvke
rgturgevkg" ykvj" vjg" i gpwu 0" Oqngewnc" Geqnqi { 0 39<354 : /35650

DaCosta JM. "Urgnno cp" I O. "cpf" Mnkemc" L0"42290" Dkncvgtcn i { pcpftq o qtr j { "kp" c" Y jkvg/twhhg f
Ocpmkp"* +0" Yknuqp" Lqwtpcn" qh" Qtpkvj qnqi { 0 33 ; < 4 : ; / 4 ; 30

I ctekc" CT. **DaCosta JM.** "Rcp" L. "Owgp | gt" L. "cpf" Nc o uc LE0"42290" Rtgenkpkcn" fqug" tcp i kpi
uvwfkgu" hqt" gp | { o g" tgrnceg o gpv" vj gtr { " ykvj" kfwtuwnhcug" kp" c" mpqem/qwv" o qwug" o qf gn" qh
ORU" KK0" Oqngewnc" I gpgvkeu" cpf" Ogvcdqku o 0" ; 3<3 : 5/3 ; 20

Owgp | gt" L. "Nc o uc" LE. " I ctekc" CT. **DaCosta JM.** " I ctekc L. " cpf" Vtgeq" FC0"42240" Gp | { o g
Tgrnceg o gpv" vj gtr { "kp" o weeqrn { ucejctkfquku" v { rg" KK" * J wpvgt" u { pftq o g+<" c" rtgnk o kpct {
tgrqt0" Cevc" Rcgfkcvtkc" Uwr r ng o gpv0" ; 3< ; / ; ; 0

TEACHING EXPERIENCE

4238/Rtgugpv CuukvcvplCuuqekcvg" Rtqhguuqt" qh" vjg" Rtcevkeg
Dkqnqi { "Fgrctv o gpv. "Dquvqp" Eqnng i g. "Ejguvpww" Jknn. "OC
DKQN4232<" Geqnqi { "cpf" Gxqnwvkqp
DKQN4522<" Dkquvcvkuvkeu
DKQN6297<" Tgugcte j "kp" Oqngewnc" Rj { nqi gpgvkeu" *pgy" eqwtug+
DKQN6632<" Qtpkvj qnqi { "*"pgy" eqwtug+
DKQN6672<" Dgjcxkqtcn" Geqnqi { "*"pgy" eqwtug+
DKQN6 : 24<" Tgugcte j "kp" Gxqnwvkqpct { " I gpg o keu" *pgy" eqwtug+
DKQN8382<" I tcfwcvg" Dkqkphqt o cvkeu

4237 Ngevwtgt
Eqnng i g" qh" I gpgtcn" Uvwfkgu. "Dquvqp" Wpkxgtukv { . "Dquvqp." OC
E I U" PU423<" Dkqnqi { "3

4236 Ngevwtgt" *eqwtug" fguk i pgt+
Gzrgtk o gpvcn" Eqnng i g. "Vwhvu" Wpkxgtukv { . "Ogfhqtf." OC
GZR/2254/H<" Tgpgy cdng" Gpgti { <" Vjg" Geqnqi kecn" K o rcevu

4229/4235 Vgcejkp i "Hgnny" ³ cpf" I wguv" Ngevwtgt⁴
Fgrctv o gpv" qh" Dkqnqi { . "Dquvqp" Wpkxgtukv { . "Dquvqp." OC
ECU" DK" 524<" Xgtvgdtecvg" \ qqnqi { ³
ECU" DK" 525<" Gxqnwvkqpct { " Geqnqi { ^{3,4}
ECU" DK" 629<" Cpk o cn" Dgjcxkqt ³
ECU" DK" 72 : <" Dgjcxkqtcn" Geqnqi { ^{3,4}

\QQN"955<"Dgjcxlqtcn"Geqnci { 4 *Wpkxgtukv{"qh"Pgy"Jc o ru jktg+
4225/4227 Vgcejki"Cuukucpv
Uejqni"qh"Nkhg"Uekgpegu"Wpkxgtukv{"qh"Pgxcfc"Ncu"Xgicu."Ncu"Xgicu."PX
DKQN"3: ;<"Hwpc o gpcnu"qh"Nkhg"Uekgpeg

GRANTS AND AWARDS

423 ;<"Dquvqp"Eqnngig"Kipkv"Rtqitc o "o"Gpkktp o gpcn"FP C"cu"cp"g o gtigpv"vqni"vq"uwf {"vjg
geqnci {"qh"vg o rgtcvg"htguvu"*&36.239+
423 :<"PUH"FGD"o"Eqmcdqtcvkg"Tugetej<"Eq o rctcvkg" Igpq o keu"qh" Jquv/urgekhke"Cfrcvckqp
cpf"Nkhg" Jkuvqt {"Gxqnwvkqp"qh"Dtqf"Rctcukvke"Dktfu"*&; ;.328+
4235<"3uv"Rnceg"*rquvgt<"DW"Dkqnci {" I tcfwcvg"Uvwfgpv"Cuukekcvkqp"uwfgpv"u { o rqukw o 0
4233<"Dquvqp"Wpkxgtukv {"Fgrctv o gpv"qh"Dkqnci {"Qwvucp fki"Vgcejki"Hgnny 0
4232<"PUH"FKI"o"TCF"rj {"nqigpvkeu<"jctpguuki"pgzv/i gpgtcvckqp"ugswgpeki"ht" o qngewnc
u { uvg o cvkeu"*&35.445+0
422 :<"C o gtkecp"Owugw o "qh"Pcvwtcn" Jkuvqt {"Ejcr o cp"Og o qtkcn" I tcv"*&4.322+0
4227<"WPNX" I tcfwcvg"Tugetej"Cuukucpvu jkr"Vtckpki" I tcv"*&5.822+0
4227<"3uv"Rnceg"*qtcn<"WPNX" I tcfwcvg"cpf"Rtqhguukqpcn"Uvwfgpv"Qti cpk | cvkqp"tugetej"htw o 0
4226/4228<"WPNX" I tcfwcvg"cpf"Rtqhguukqpcn"Uvwfgpv"Cuukekcvkqp" i tcv"*z6+*"&4.472+0

PRESENTATIONS & WORKSHOPS

4236<"Wpkxgtukv {"qh"Ocuucejwugvu"Nqygnn."Nqygnn."OC0
4235<"Nqwukcpc"Uvcvg"Wpkxgtukv {"Owugw o "qh"Pcvwtcn" Jkuvqt {"Dcvqp" Tqwi g."NC0
4235<"Ytkijv"Uvcvg"Wpkxgtukv {"Fc {vqp."QJ0
4234<"C o gtkecp"Owugw o "qh"Pcvwtcn" Jkuvqt {"Pgy" [qtm."P [0
422 ;<"Wpkxgtukv {"qh"Fct"gu"Ucncc o " ("Jqwi jvqp"Eqnngig"*Vcp | cpkc"ec o rwu+."Vcp | cpkc0
422 :<"Eqnd {"Eqnngig."Ycvgtxkmg."OG0

4236<"Gxqnwvkqp."Tcngkij."PE0
4234<"Pqtvj"C o gtkecp"Qtpkv jnqikecn"Eqphgtgpeg."Xcpeqwxgt."DE0
422 ;<"C o gtkecp"Qtpkv jnqikuvo"Wpkqp."Rjknfcgnr jkc."RC0
422 ;<"Uqekgv {"qh"Kpvg i tcvkxg"cpf"Eq o rctcvkxg"Dkqnci {"Dquvqp."OC0
422 :<"Gxqnwvkqp."Okppguvc."OP0
4227<"C o gtkecp"Qtpkv jnqikuvo"Wpkqp."Ucpcv"Dctdetc."EC0

4233<"Gxqnwvkpct{" I gpq o keu"qh" Pqp/Oqfgn"Urgekgu<"Pgzv" I gpgtcvkqp"Ugswgpekpi."Fcvc
Ocpicigogpv."cpf" J { rqvjguku"Vgukpi0"ó"C o gkcecp" I gpgvkeu"Cuuqekcvkqp."Ktcrwcvq.
Ogzkeq0

4232<" I gpgvkeu"cpf" I gpq o keu"qh"Urgekcvkqp0"ó"GW" Octkg"Ewtkg"Kpkvken"Vtckpkpi" Pgv y qtm.
Urgekcvkqp."Ujghhknf." I tgcv"Dtkvckp0

SERVICE AND COMMUNITY OUTREACH

<

Ewttkewnw o "Eq o okvvgg."Dkqnqi {" Fgrctv o gpv."Dquvqp"Eqnngi g0
Vtgg"Ec o rwu"WUC."Dquvqp"Eqnngi g0

<

Hcewnv{"cfxkuqt"hq"52/62"wpfgitcf"Dkqnqi {" o clqtu"rgt"ug o guvgt."Dquvqp"Eqnngi g0

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Ogpvqt"ç6/8"wpfgitcfwcvg"uvwfgpvu"kp"kpfgrgpfgpv"tgugcte j."Dquvqp"Eqnngi g0

<

Nkhg"Uekgpegu"Lqwtpcn."Dquvqp"Eqnngi g0
Gcing"Cwfdqp."Dquvqp"Eqnngi g0

Pcvkqpcn"Uekgpeg"Hqwpfcvkqp."Rqtwi wgug"Hqwpfcvkqp"qh"Uekgpeg"cpf"Vgejppqnqi {0

St

<

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