

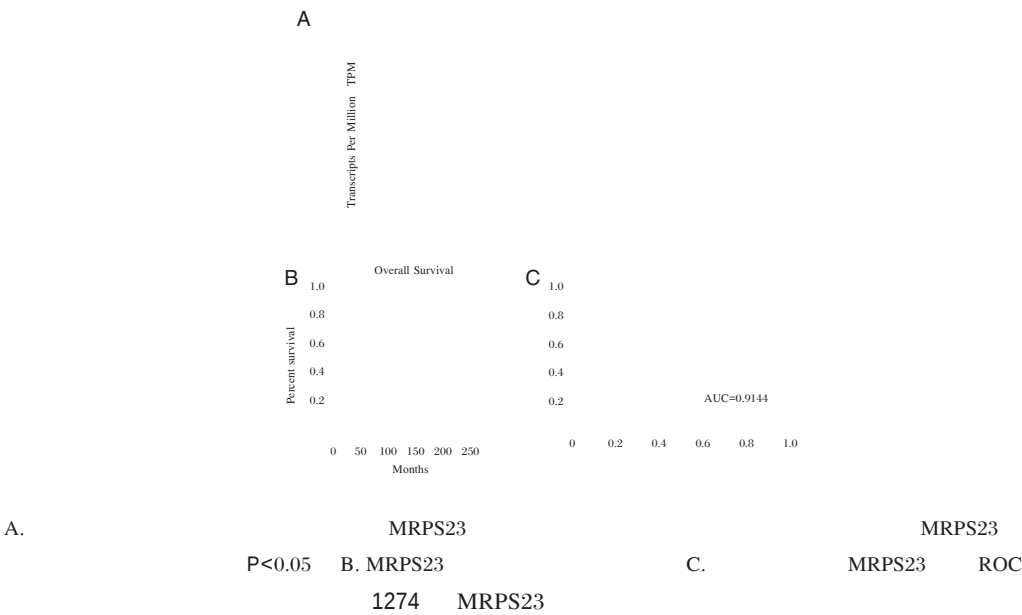


Figure 1274 The effect of MRPS23 expression on breast cancer

分子诊断与治疗杂志

JOURNAL OF MOLECULAR DIAGNOSTICS AND THERAPY

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T)\$.7 \$^; KÿDó/7 YUç 8+° NJ3/" E*JT 48 , V L ç ; ÷+© B51EFC Uç , V NJ3/" :)\$.7 Kÿ,\$ Ý+° NJ3/ U^{U¾UÄ} NJ346- [4 Q)\$.7 KÿY-@/ç , F+°U• NJ346- 4g>Qð 3ð,\$ å S 94'• 8,\$ ÝJ* #Uç.)\$ DM8 7 Š F M B U F E D I B J U D . # \$ Uç +° Ä 653ÿ 4U•½ b . * \$ #+°=" DêU•ú58 5 Ő °)\$.7 E/E« / , 3ð6 ÷ (+° y*× +ý>ð U^{U¾UÄ} • B U• NJ346- 4ç Q@ò W • 5-3Uç\$ % Uç Uç (7 *3" , " 2L B Ky z U•5 Ő ° &/÷\$^; Kÿ U^{U¾UÄ} K• ²Lç = ë g3ð6 +°D~ • B U• NJ346- E4Lç F.ù*ñ pD~ •U® * & U• T y

® È ú NJ3/'nLŽ-@/ç#1 †)\$.7 T*ñ p 9 b="Dê , Kÿ Y+°*K'• ' ^*T ö,\$ Ý f b Uç K< :)\$.7 Q S K Kÿ =F\$^; KÿD~ Ž+°A/7® f b Uç % ° , ý 5 t+° ã*ñ p8>'• 5Fù>- ; u)\$.7 Kÿ : MOD 3/ Ó

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 Ä *ñ p K ^ Í ù À Y +° \$ ^ Ç E 9 ñ Ê Ì 2 % DJSD
 D 3 / " Ê 6) +° 2 ? U « ü Ç 2 ! ç * Ä *ñ p S * Ê *ñ ö ,
 ý * x 8 +° Ü 0 , *

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 E = x Ä *ñ p ! ç * Ä e ° K ý İ 5 1 +° M ° : U • •
) \$. 7 4 % / 4 ° š Ey 0 † m 2 Fù > - U & b 5 8 , y 0 †
) \$. 7 K ý æ 4 Ð g > - [% l 5 5 Þ T ° K 3 Ý T ¶ L
 y E = x = l # 1) \$. 7 * H (* H . ì " w^{U¾ UÄ} 4 U Ä " • ,
 3 m) < U • @ Ä • 0 † +° å " 4 f { ö " S B T `
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ü Ç Ü+°*K'• 3 ' , åLŽ U• +ý"w
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å ø

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U%UÀ "SSPZU• \$H%WJWM,SDI+U•.FU BM "SHPOBVFUF DPN4
QMFYFT DBSSZ B QPQVMBUJPO PG DJSDVMBUJOH NJDSP3/"T JOEFQFO4
EFOU PG WFTJDMF U%UÀ 1SFND 0 B Q M B "DNBE 4DJ
64U• U• U<UÇU• 4
U%UÀ /JDMPU•Y.FUFSU•BDS.PU•FU BM 0VUDPNF BOE NBO4
BHFNFU PG OFXCPSOT XJUI DPOHFOJUBM DZUPNFHBMPWJSVT JOGFD4
U%UÀ "SDI 1U•EJ B U•S UÇU• 4
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¢ 3ð6 *ñ p K ý,\$ Ý S Q S Ù • S6=66Oý%° , U¼ UÀ
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UJPO IVNBO DZUPNFHBMPWJSVT 1S8PDUSBOM DSDJQUPNF
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\$IBSBDUFSTUJDT PG)VNBO \$ZUPNFHBMPWJSVT 3FWFBMFE CZ /FYU4
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MBUFOU IVNBO DZUPNFHBMPWJSVT JOGFDUJPO PO 5)14 DFMMT VTJOH
3/"4TU•UÀ (FOF U• U<UÇU• 4
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Ì ÿ,\$ ÿ • ù 2L 2¼ 9 E5 47 4 T μ é,- k0 gKŽ=x i6; B.ý w [•
· Ì51U5 w [å ; 2 f \$ 1 #ð ,LŠ \$ 1 #ð ! D¯ P3ð+° [y [: =I2 ! Ì ÿ [: ÿFα! Ì ÿ ö,\$ ÿ
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1 0. 001CE P3ð Ì51 [y =I2 ! D¯ : j U< U 0. 10•1 0. 91CE\$ 1 #ð [: =I2 ! Ì ÿ : j P °LŠ \$ 1 #
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. 54 @ í ' ; ω< U 4. 10•1 0. 001CE @ P3ð Ì51 Y ÿFα! Ì ÿ : [: =I2 ! Ì ÿ : j •,\$ ÿ U< 1 0. 042CE
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\$PNQBSBUJWF BOBMZTJT PG QFSJPGFSBUJWF WBSJBUJPO PG CMPPE
DBSEJBD TVSHFSZ XJUI PS XJU IPVU DBSEJPQVMNPOBSZ CZQBTT
\$)&/ + JG16 / + V•Q 6 / 4 JDU F•O H I V B Ö Z J O H
U< % FQBSUNFOU PG 1FEJBUSUDOS\$E\$EUSPWBJTODVNBMS \$1V)FDEFSDUJX J)PTQJUBM
\$IJ O•B UŽ % FQBSUNFOU PG 1F•E O B V S I S F V U O P Q B E M J B T J M G F S D O Ä T)PTQJUBM
\$IJ O•B UŽ % FQBSUNFOU PG (BTUSU F•O U F S P S P M Z O O R B M S I S H Y E G F S D O Ä T)PTQJUBM
"O I V • S I J O B U E

M"#453"\$G 0CKFDUJWIFYQMPSF UIF DIBOHFT JO CMPPE HMVDPTF MFWFMT BOE
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VOEFSXFOU DBSEJBD TVSHFSZ BU "OIVJ \$IJMESFOÄT)PTQJUBM GSPN +BOVBSZ
EJWJEFE JOUB• \$1X# BHOSE VQPTO 4 \$1# 5IF QSFPQFSBUJWF BOEJ•QPTUPQFSBUJWF C
QPTUPQFSBUJWF MBDUJD BDJE MFWFMT BOE SFMBUFE JOGFMVMODJOH GBDUPST X
5IF QPTUPQFSBUJWF NFBO CMPPE HMVDPTF MFWFM JO UIF \$1# HSPVQ XBT TJHC
NFBO CMPPE HUMXJUPITB MFWFMT UJDBMMZU IJHIFGJDBOU EJJGGFSFODF JO UIF
HSPVQIF QPTUPQFSBUJWF CMPPE HMVDPTF MFWFM XBT EUMXJUIJBIFS UIBO UIF QS
TUBUJTUJDBMMZ TUKH\$0061 D•D•D•E 5E F S G F S F O D P TJHOJGJDBOU EJJGGFSFODF JO UIF
CMPPE HMVDPTF MFWFMU<06.001CE P•Q1CE F V U X P H Q P T Q P QFSBUJWF CMPPE HMVDPTF M
\$1# HSPVQ XBT TJHOJGJDBOUMZ IJHIF\$U7.15Q U O B U E B G F U P T O P Q F \$ B U J H S P V Q

U•BOE UIF EJGGFSFODF XBT
TUBUJTUJDBM MZ 16•1H0001EJ DIFCSF XBT BMTP B TJHOJGJDBOU QPTJUJWF DPSSFMBU
MFWFM BOE QPTUPQFSBUJWF CMURP D. 04XEV'DEETU UNPDMFBN ZXBTCTBUTJHSDGQDBOU
DPSSFMBUJPO XJUI UIF UPUBM UJNF PG FYUFSOBM G MXPX. BOE UIF UJNF PG NBJ
\$PODMVT#MPCPE HMVDPTF MFWFMT JO QFEJBUSJD QBUJFOUT VOEFShPJOh \$1# X
QPTUPQFSBUJWF CMPPE HMVDPTF MFWFMT XFSF GPVOE UP CF TJHOJGJDBOUMZ D
M, &: 803% 0 1FEJBUSJD D B\$EJBEDJ F VISHMFSRZ#MSZP EZQZVNDUPBF

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7>M° : 5 Ÿ U3UÄ B-@/¢ U3UÄ;].fUk0 i6; w [
[K >î \=I ŸF¤!` Ÿ+° sP UE : [: ¢
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902 Ó*K+° Ê ĩ5 ŸU† • Ó*K6 Ç2L á ĄP =I
2 UFEFDó2 F;? E@ °Ky? Ž < ŸF¤U; 51,\$ ¾ •
ù , y=I2 sP , ŸF¤ sP =x@í Ê ² ¢ ^
f < i6; B.ý w [M° : 3 3+° ` ¶ Ê*T SU†
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!` Ÿ s3ß ' 2 ¼UĤE• ² • B Ö(Û öLŠ • B
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B ö [: ŸF¤!` Ÿ,\$ Ÿ • ù 2L 2 ¼

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â [y „ T5É5ê Ě6) 9 "51Už â ¢ *ñ =x i6; B

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a µ< Ú G - a µŮ Ô65 (0Í VK 3Ÿ z [P3đ Ĩ
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N - µH : û N J NĀ M nFû+° E =x%x
" U• B Ö(Û Y4 - _ Ÿ s Ô65 • _
N N) Hw [3Ÿ < : 9#UU; j s g Ô65U7 Ô BK•
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^ Ž • B Ö(ÛU4 ´ e7>B±\$ U«3Ĭ3ò6 ! âĐê \
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TVSHFSZU%0x UCEX UCEA

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ŸFa!` Ÿ : jP °LŠ \$ 1 #ðU• . 54 @Í ' ; u

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2L+° 3è S ~ 2 ¼3ÿ È>í=" [: =I2 !'

Ÿ : S W T° •Fù [: ŸFa!` Ÿ+° sP : g

• BD~"m "K , g5æ Ô65Kg Û "K Ÿ P3ð İ

51 Y ŸFa!` Ÿ : [: =I2 !' Ÿ : j •, \$ ŸU< 1

0.042U•ŸFa!` Ÿ [ R NNP [M ŸFa!` Ÿ

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: j, \$ Ÿ

= 3 4 k [: =I2 !'23 ø 2L+° MPHJTF Ø J.D

5BCMF 3 -PHJTUJD SFHSFTTJPO BOBMZTJT PG GBDUPST JOGMVFODJOH QPTU

• ù 2L	h	4 . 8	8 B M T	0 3h	\$ *	1 h
• B Ö(Ü3ð	[y=I2 !' ŸU< NNP MCE-				0.40_ 2.17	
	[: ŸFa!` ŸU< NNP MCE-				0.05_ 0.61	
	TU<4UCE				0.29_ 6.33	
	•FÜ< LUCE				0.69_ 1.39	
	S W				0.44_ 3.14	
	g • BD~"m "KU< N JUCE				0.96_ 1.00	
	g5æ Ô65Kg Û "KU<N JUCE				0.95_ 1.01	
LŠ • B Ö(Ü3ð	[y=I2 !' ŸU< NNP MCE-				0.13_ 1.79	
	[: ŸFa!` ŸU< NNP MCE-				0.02_ 0.95	
	TU<4UCE				0.98_ 1.01	
	•FÜ< LUCE				0.92_ 1.04	
	S W				0.30_ 4.59	

= 4 4 k [: F! '23 ø 2L+° MPHJ3F ØJ.D		5BCMF 4 -PHJTUJD SFHSFTTTJPO BOBMZTJT PG GBDUPST JOGMVFODJOH QP					
	• ù 2L	h	4. 8	8 B M T	0 3 h	\$ *	1 h
• B Ö(Ü3ð	[y=I2 !` ŸU< N N P MCE-					0.40_2.17	
	[: =I2 !` ŸU< N N P MCE-					0.79_1.36	
	TU<4UE					0.99_1.03	
	•FÜ< L MCE					0.95_1.11	
	S W					0.28_1.99	
	g • BD~"m "KU< N JUE					1.01_1.05	
	g5æ Ô65Kg Û "KU N JUE					1.00_1.06	
LŠ • B Ö(Ü3ð	[y=I2 !` ŸU< N N P MCE-					0.20_4.92	
	[: =I2 !` ŸU< N N P MCE-					1.02_3.58	
	TU<4UE					0.99_1.03	
	•FÜ< L MCE					0.93_1.10	
	S W					0.43_5.10	

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\$ 1 #k0 i6; B.ý w [å ? (7 [KP =I
2 ö ŸFa!` Ÿ+° sP U^{34UA}Uf • 4f!S z#U F (
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P51,\$ ¾ ^*T • ùUEL < ŸFa2[/ , =I2 sP +°
¢ S Ö(Ü X ³-@/¢3ÿ È ý(ÜU•ŸFa!` Ÿ : [:
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SFTQJSBUPSZ USBDU QBUIPHFO TDSFFOJOH VTJOH NVMUJQMF 3541\$3 BOE DBQ
QBUIPHFO XBT DPNQBSFE CFUXFFO UIFTF IPTQJUBM TVWUJ0H0BEJBUJSDJ0FQBSUNFOU UP 6F7KS0MP,HZ
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Y ò Ò - % -							1. 115_ 2. 357		
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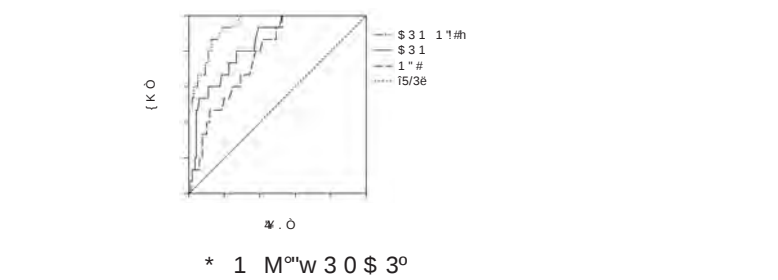
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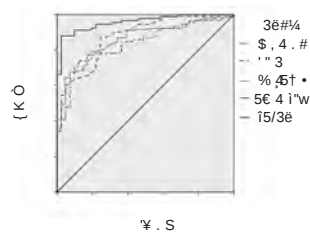
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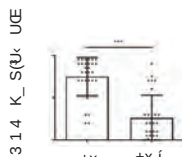
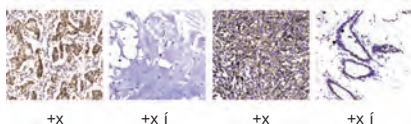
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• ù5ú6È -` Ó³ ý*K & 0/4° F 2L
- PHJTUJD

\$". ö T5-3 *-4 B Ý Ê P :5ú6È
-` Ó³ ý*K & 0/4° 3,\$ Ý U< 1 0.05€ >í="

= 5 3ø5œ6" 4' Ó† ý*K & 0/4° F 2L -PHJTUJD
3-2 ...

5BCMF 5 -PHJTUJD SFHSFTTJPO BOBÄM23@ÜP*G*N4MU3Q*MF4GBU51374BG4
GFDUJOH &0/4 JO XPNFO XJUI QSFNBUSVGF•S.VQ00V5ÆPC NFNB@BYÜFTU=5ú

2L	~ 2' œ	3 ò A	8BMF Fh	03h	\$* 1h
\$".					1.691_6.262
T5-G<OH UCE					1.332_5.288
*-4 U3QH UCE					1.298_13.096
1"U<QH UCE					0.887_4.501
d œM¥					

=I#1 T5-3 *-4 31"' %5ú6È -` Ó³
ý*K & 0/4° M°"w # h

=I#1 T5-3 *-4 31"' %5ú6È -` Ó³
ý*K & 0/4° 5€ 4M°"w "\$6P °•, ì"WU< 1
0.05€ >í=" *

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BOE 1"' GPS &0/4 JO XPNFO XJUI QSFNBUSVGF•S.VQ00V5ÆPC NFNB@BYÜFTU=5ú

NFNC SBOFT

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%°*ó y*× ù ÀDó/7 YB£BK ùN' ^*TU•T \$". ý
*K : T5-3! Ý sP 58 ½ b%°*ó ù À U3UÄ -@/¢ ý

(Ü U•Æ` ¶ \$". •34¶6È/« f ý(Ü T5-3! Ý
D•d•3:j sP U¶Æ` ¶ \$". •30%°*ó ù

ÄM23@ÜP*G*N4MU3Q*MF4GBU51374BG4
USVGF•S.VQ00V5ÆPC NFNB@BYÜFTU=5ú

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=x%°*ó f\$ì : «•d ~3ò6 2!ø i%°*ó | Ê

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Fû 2!øU• *-4 3ÿ 4 : ½ b#÷ \$3ò6 ÷ ÍU¶

E ¢*KJ« á=Ù58 Ê Ì3p! 6È ø4¶6È%°*ó ù À -@
/¢ ý(Ü U•Æ` d ñ á 7 fA/7@6 5ú 9' | × ,4 -

¶ L\$^ T6)FûU¶ LDó/7 Y F 2!ø 1"U•@1"'
î:6 5ú+° K ý5b K••w BU• 1"' +°K•' t

ÀE 1 5†Kò Y S1¾3ò6 Ê Ì=I0ÍEFE; S\$ì" g
=I; «0u U3UÄ U••T f•ý*K%°*ó ù À "U• 1"'

! Ý sP f\$ì •d ~3ò6 +°B• B SUA (!S7 *)
&Fö jUFö j5ë+P3ò6 { \$ |0u%°*ó | ^*T°

5ú k U3UÄ U•58 AB£ Ó ø%°*ó ù ÀE , ' ÌFù
& 0/4 3 &*K : E ý*K+°BQ=I*óU•& 0/4

BE*ñk¼ Kr ý•Dñ(GU)° Ü*K k4f { , °+° y*×
2'4 U••-? ý*K6? p•058 \$ Í U3UÄ X-@/¢ ý(Ü

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-` 4 ¢ \$". Y :j Ê P U• \$". ö & 0/4ý

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e e 2 |@ö Û :!ç*Ã n 4 0X £ 0X K + .PM %JBHO 5IFS +VMZ 7PM

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U%UÀ 5k UU•dMÂUKt Ó%° S*ñ +°-@/¢E U% UÀ)Kq ³ Ó
.ý ' n U• U•U< UÜ• 4
U%UÀ (• ö æUj7Ý3İU* ÜUÜ =l#1+©3ò6 ÷2L ,+©3ò6 ÷
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U%UÀ (-!d.'UBj i æUÖ` ²7> ¶ L 4 ¢\*\*`â6! È6) ÛE,51=l#1
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BOE "MCVNJO 8JUI UIF 1SFTFODF BOE 4FWFSJUJZ PG \$PSPOBSZ "S4

U<6 ÑOX MjUCE

U%UÀ 4DIVM BGVSEPDI ' & &OEPHFOPVT BOEU%UÀS'BOQVUBHDSJHTVFSFBJ+J• BU BM \$PNCJOFE RVBOU
HFÜTBFTUSP \$POEVDUPST PG UIF .JDSPFQWWSFONBTOVSPG)RQU•83OE ,* QSPWJEF NPSP
#SFBTU \$BÄD \$BSUD#FSUEM U•U< UÜ• QSPHOPTUJD JOGPSNBUJPO UIBO DBUFHPSJD
U%UÀ -J U• ,POH• 9VB0• FU BM 1SPMBDUJO BOEOBME056830A DPEOD#SIRMU•U< UÜ• 4
UIFSBQZ SFTJTUBOD•F5IFO CFSYUB TUP DFBODUFS4 XIB•JCE•4IBTUS 7BNJMUPO & 5BSHFUJOH)&3
GPS CSFBTU D BÄD FS \$FSFNB WNFOWFE UJWF CSFÜTBEDBODFS BOE CMAV/SFU EJSFDUJ
U•U< UÜ• 4 3FW %SVHU•%JFDPUE• 4
U%UÀ)BOU•8VU•9VU)FU BM 5IF JNQBDU PG UASÄ BÖMSEBDFQUSUBGIC MUFÖU5BM %FWFMPQNFOU
PO UIF DMJOJDBM PVUDPNFT PGU•)B3 4QP WFSJMGF DBSUFPTU PCB ODFSL". 4CBTFE 1SPTJHO
QPQVMBUJPOUÄB•TÖFE #SWEZO UÜDUEM• TJHOBUVSHA BTSTBZE (FQPNJÜÜ•
4 U%UÀ (BPU•-JU•;IPWU)FU BM %PXO4SFHVMBUJPO PG
U%UÀ /JFMTRÜ 1BGLBGS-F4OUH F4U BM " DPNQBSJTROCPCT SBU CSFBTU DBODFSUQAS BMD0#SBUJPO
1". JOUSJOTJD TVCUZQJOH XJUI JNNVORIBSHUPD•UFNUÜ•USZ4 BOE
DMJOJDBM QSPHOPTUJD GBDUPST JOUUBÄ PVB•DG 4 OUBSIOEPU•F FV[UBSPHFBMSFZQBNJD DISP
UPS4QPTJUJWFUÄS#NTO \$BODFS• 3FT NPTPNBM JOUFSBDUJJPOT BOE DPOUSPM PG I
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4NÂF) g.ý S ' S ... ' gKŽ b!ç+°*ñ p S5æ%°3ð8ø S5æ%° İ51 0 · ^ f-@/¢ %A•U2
W3ß ' *ñ p S5æ%°3ð : 3ð8ø S5æ%°3ðU%&"3ðE5 8 K • ì ' ä51Ú O 110CEU• D⁻ 53ð/ - 3 1 - 3 - . 3 U•
¢4 @Í5æ%°3ð İ51 ` ¶ 3 3U2 ¼ 6E 3 3 : *ñ p S5æ%°+° Ÿ2' ¢ % 551 ö5€ 4 T*ñ p S5æ%° Y+°
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54 @Í ' ; WÚ U 8. 808 U•1 0. 05CEUŽP3ð=I . " dM½(³ 65 ; =!SN• , Ò +©3ð6 @Í æ
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U5€ 4 : +° " 6 \$ f U{ K Ò ü s f U¥ . Ò f F v *ñ p S5æ%° İ51 / - 3
1 - 3. d sP - . 3 . dKy zU551 ö5€ 4 s ^ f*ñ p S5æ%°+° @ö Û 3 3U¢ Y - . 3 t6) , ŸU5€ 4
@ö Û ü s { K Ò U•h Ä ` ¶ Ô «
U¾JZ@öUÄ*ñ p S5æ%°UŸ S1¾3ð6 : " ÷ 3ð6 ! hUŽ =! ; « : " ÷ 3ð6 ! hUŽ " ÷ 3ð6 : • d3ð
6 ! h

\$MJOJDBM WBMVF PG QMBTNB SFMBUFE JOEJDBUPST BMPOF BOE KPJ
WJSBM QOFVNPOJB
- * 3VJUNJ0*/(: B0LZB)00 : J0H*/ ' FOHYJ B0) POHUR;J B/R : POHYJ BOH
Uk % FQBSUNFOU PG 3FTQJSBUP 5•Z% B0E0\$S 5 F5BDBMB0B0)P0BQ0E B0M0DBM 6OJWFS4
T J0Z FJ0•J0 J0B UŽ % FQBSUNFOU PG \$•M0J0YJDBM 5-B0CPLS 0 B0Q)P0ZBQ U B0J4
DBM 6O U W F S 0•J0 J0B UCE

M"#453"\$ \$0 0CKFD5JPWFOWFTUJHBUF UIF DMJOJDBM W0BMMUFSPQIQM BTPNB SFMBUFE
MZNQIPDZU/F 3S0UJPUF MFU UP UM Z 0QMFZDZUP DZBUFJ R P UN-P 0E0M B 0FS B 0JEP
KPJOU EFUFDUJPO JO FBSMZ ER0H-P0ERT 0TB 0 0F 0UJ S BM UQ 0M V S0M J0QOFVNPOJB BOE
UJFOUT XJUI CBDUFSJBM QOFVNPOJB XIP XFSF 0B0EJUBM F.E EUJ0BMB 0 0Q W F5FTBUJZOH
GSPN "QSJM UP "QSJM XFSF TFMFDU 0E BTIFUBIM US Z TJ0BESJW JEW0BMFD 0 F SFFBO
TFMFDUFE BT UIF 0P 0-0S B 0EHS BVJ0 0-0F UISFF HSPVQT XFSF DPNQBSBUJWFMZ B0
JOEJDBUPST JO QBUJFOUT XJUI QOFVNPOJB XFSF BOBMZ[FE 5IF SFMBUJJPOTIJQ
WJSBM Q0B0NEP0UB WBMVF PG UIF UISFF BMPOF BOE UIFJS DPNCJOB0JPO JO FBS

U-1-3 BOE -.3 JO UIF UISFF HSPVQT XFSF TJHOJGJDBOUMZ EJGG
EFDSFBTFE U-BOERVFODDSFBTFE JO TFRVFODF GSU-NUIFIWCSBNJFQSBWNQOFVNPOJB
OJB HSPVQ UP UUF 54P90UJSPM- HSPVQ 0.05E \$ 31\$ 4SFBDOJWBAJQSFVWFSJ04
QUBBOEKNPOPOPUEXUFSF MPXFS JO UIF WJSBM QOFVNPOJB HSPVQ XIFO DPNQBSFE XJ
QOFVNPOJBXHSPTQBUJTUJDBMMZU-UBHOBGJD-BOUU-EJGGBSESHMOPPET QSFT4
TVSISFTQJSBUJQSUMPSYZUHFOTUBUW\$S\$XUJUPC MPPEUCDUMMZNDQIVQDUUF
UQMBUEBIOEUVSFB OJUSPHFO TIPXFE OP TUBUJTUJDBMMZ-1TOU-UBGJDBOU EJGGFSFO
3FHSFTTJPO BOBMZUJIT-3BVOE-UBXUFSF3BTTPDJBUEF XJUI WJSBM QOFVNPOJB 'PS
TJT PG WJSBMUQOFVSNWGBVF PG -.3JXBUCUJUEFTIEHIEHTOPTUJD TFOTJUJWJUJZ BOE TQF
JUJZ XFSF BOE 5IF "6\$ WBMVFT PG /-3 BOE U-3F\$F\$UJWJUJZBOE 5IF
BOE TQFDJGJDJUJZ PG DPNCJOBUBJPO BOEUIF\$UOSMFVXB\$OFOUT XJUI WJSBM
QOFVNPOJB IBWF BCOPSNBMMZ-BOEDSFCOTF\$ENB-MBZO EFD-SFBTFE -.3 5IF UISFF BOE
DPNCJOBUBJPO DBO CF VTFE GUS BEUJBHOBPTBTDHUWJSBTMUQEBVHOPOTUBD QFSGPSNBODI
CJOFE EJBHOPTJT XJUI UIF UISFF JOEJDBUPST DBO JNQSPWF UIF TFOTJUJWJUJZ
M, &: 803%Q 7JSBM QUFAFNRUSPEQIJM UP MZINQBIUDBB SBUMZINQ4PDZUF SBUJP
QIPDZUF UP NPOPDZUF SBUJP

*ñ p S5æ%°*ñ p K ÿ AB£Uf ,.ù5æ ÊBT S ... 'gKŽ b!ç+°*ñ p S5æ%°3ð8ø S5æ%° Ì51
%°*6U-7 Ì515æ Ž!@ Ê6)KÈ-1U3UJA *ñ p S5æ%°+° 0 .^ f-@/ç %A-U2 W3ß *ñ p S5æ%°3ð :3ð
g>-*ñ Ê .f " dE-*ñ pU;©(ÜKb á % °*ñ p+° 8ø S5æ%°3ð 3ß ' 3 òU-ß0R 45æ%°,\$ Ÿ@ö Û 3
ì &(3 9 Û ù sUr-*ñ Ê 'ì"w ù " ì &F 2 ò U3UJA @*ñ Ê .ì"w-š@öUž \$ -Užá ,7XBp Å
*ñ pU,, T , Æ IK| S U3UJA +@3ð6 @Í æU8IJUF , 51Už à Ì51 s fD\$ Y Ò ¾K- 3 òU- ß 4 ç 5
CMPPE DUBHMSUCPS1343ð6 @Í æU8IJUF , 51Už à Ì51 s fD\$ Y Ò ¾K- 3 òU- ß 4 ç 5
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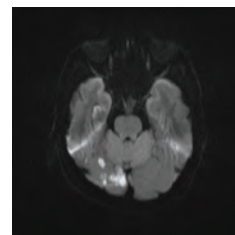
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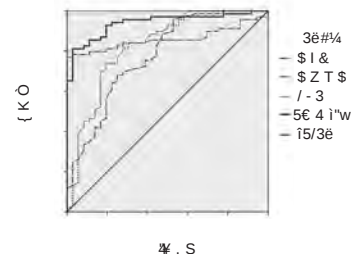
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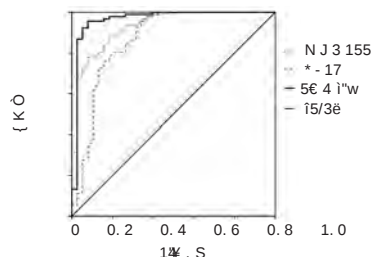
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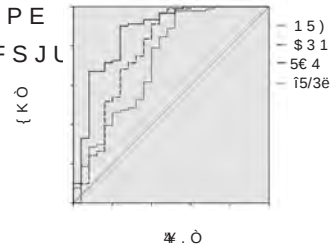
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CFS UBCMF NFUIPE 5IF TUVEZUŠSFNMQ BQ P M BNT CFE ZM3 UFDBTTFGFOUBOJM BUSBDV
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SFBDUJPOT XFSF DPNQBSFE CFUXFFO UIF UXP HSPVQT !D 3SFS@T BB9 00TTJDPSZ

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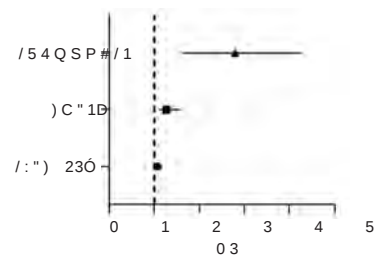
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D\$ Ò + y K3ð	28	1.97i	0.43	2.51i	0.9f 2.33i 0.8f 1.89i 0.48
Fù Ò + y K3ð	27	2.78i	0.47	4.06i	1.82 3.16i 0.68 2.53i 0.55
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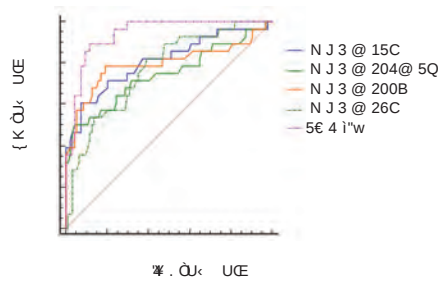
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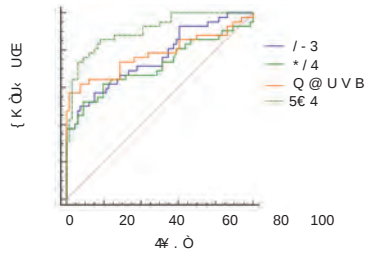
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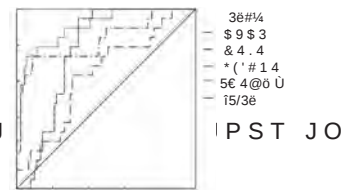
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