

IPKPYPP PJPbP|P+PI

PtP»C| PjPµPtPëC‡PSPsPiPs P·P°CÍC,PsCÍCÍPIP°PSPSC|
P»C-PeP°CÍCÍCHPePsPiPs P·P°CÍPsP±CÍ

PbPbPbPYPP+P“P Pb P”P PbP™P’

(MAXIGRA DRIVE)

PYPeP»P°Pr:

PrC-CHC‡P° CHPµC‡PsPIPëPSP°: C,P°PrP°P»P°C,,C-P»;

1 C,P°P±P»PµC,PeP°, PIPeCHPëC,P° PíP»C-PIPePsPIPsCH PsP±PsP»PsPSPePsCH,
PjC-CÍC,PëC,CH 2,5 PjPi P°P±Ps 5 PjPi, P°P±Ps 10 PjPi, P°P±Ps 20 PjPi C,P°PrP°P»P°C,,C-P»CÍ;

PrPsPíPsPjC-P¶PSC- CHPµC‡PsPIPëPSPë:

C|PrCHPs C,P°P±P»PµC,PePë: P»P°PeC,PsP·Pë PjPsPSPsPiC-PrCHP°C,, C†PµP»CHP»PsP·P°
PjC-PeCHPsPeCHPëCÍC,P°P»C-C‡PSP°, PíPsPIC-PrPsPS P 30, PíPsP»PsPeCÍP°PjPµCH,
PSP°C,CHC-CH P»P°CÍCHPëP»CÍCÍP»CHC,,P°C,, PSP°C,CHC-CH PeCHPsCÍPeP°CHPjPµP»PsP·P°,
PeCHPµPjPSC-CH PrC-PsPeCÍPëPr PePsP»PsC—PrPSPëPNë P±PµP·PIPsPrPSPëPNë, PjP°PiPSC-CH
CÍC,PµP°CÍP°C,;

PsP±PsP»PsPSPeP° PrP»C| C,P°P±P»PµC,PePë PíPs 2,5 PjPi: CÍPíPëCHC,
PíPsP»C-PIC-PSC-P»PsPIPëPNë, C,PëC,P°PSCÍ PrC-PsPeCÍPëPr (P• 171),
PjP°PeCHPsPiPsP», C,P°P»CHPe;

PsP±PsP»PsPSPeP° C,P°P±P»PµC,PsPe PíPs 5 PjPi, 10 PjPi C,P° 20 PjPi: CÍPíPëCHC,
PíPsP»C-PIC-PSC-P»PsPIPëPNë, C,PëC,P°PSCÍ PrC-PsPeCÍPëPr (P• 171), PjP°PeCHPsPiPsP»,
C,P°P»CHPe, P·P°P»C-P·P° PsPeCÍPëPr P¶PsPIC,PëPNë (P• 172), P·P°P»C-P·P° PsPeCÍPëPr
C†PµCHPIPSPëPNë (P• 172).

P»C-PeP°CÍCÍCHPeP° C,,PsCHPjP°. PYPP±P»PµC,PePë, PIPeCHPëC,C- PíP»C-PIPePsPIPsCH
PsP±PsP»PsPSPePsCH.

PbCÍPSPsPIPS- C,,C-P·PëPePs-C...C-PjC-C‡PSC- PIP»P°CÍC,PëPIPsCÍC,C-:

2,5 PjPi: C,P°P±P»PµC,PePë, PIPeCHPëC,C- PíP»C-PIPePsPIPsCH PsP±PsP»PsPSPePsCH,
P±C-P»PsPiPs P°P±Ps PjP°PNëP¶Pµ P±C-P»PsPiPs PePsP»CHPsCHCÍ, PeCHCÍPiP»C-,
PrPIPsPiCÍPeP»C-, 4,9BÍ“5,3 PjPj CÍ PrC-P°PjPµC,CHC-;

5 PjPi: C,P°P±P»PµC,PePë, PIPeCHPëC,C- PíP»C-PIPePsPIPsCH PsP±PsP»PsPSPePsCH,
CÍPIC-C,P»Ps-PePsCHPëC‡PSPµPIPsPiPs PePsP»CHPsCHCÍ, PíCHPsPrPsPIPiCÍPIP°C,C-,

PrPIPsPsPiCfPeP»C-, PrPsPIP¶PëPSPsCñ 7,9вґ“8,3 PjPj, CєPëCґPëPSPsCñ
3,9вґ“4,3 PjPj;

10 PjPi: C,P°P±P»PµC,PePë, PIPeCґPëC,C- PïP»C-PIPePsPIPsCñ PsP±PsP»PsPSPePsCñ,
CґPIC-C,P»Ps-PsCґP°PSP¶PµPIPsPiPs PePsP»CHPsCґCf, PïCґPsPrPsPIPiCfPIP°C,C-,
PrPIPsPsPiCfPeP»C-, P· P»C-PSC-C”Cñ CґPsP·P»PsPjCf P· PsPrPSPsPiPs P±PsPeCf,
PrPsPIP¶PëPSPsCñ10,9вґ“11,4 PjPj, CєPëCґPëPSPsCñ 5,4вґ“5,9 PjPj;

20 PjPi: C,P°P±P»PµC,PePë, PIPeCґPëC,C- PïP»C-PIPePsPIPsCñ PsP±PsP»PsPSPePsCñ,
CґPIC-C,P»Ps-CґPsP¶PµPIPsPiPs PePsP»CHPsCґCf, PïCґPsPrPsPIPiCfPIP°C,C-,
PrPIPsPsPiCfPeP»C-, P· CґPëCґPePsCñ P· PsPrPSPsPiPs P±PsPeCf, PrPsPIP¶PëPSPsCñ
14,9вґ“15,4 PjPj, CєPëCґPëPSPsCñ 7,1вґ“7,6 PjPj. PµC-CґP»C¶ CґPsP·P»P°PjCfPIP°PSPSC¶
C¶PrCґPs C,P°P±P»PµC,PePë P±C-P»PsPiPs P°P±Ps PjP°PN¶P¶Pµ P±C-P»PsPiPs
PePsP»CHPsCґCf.

PαP°CґPjP°PePsC,PµCґP°PïPµPIC,PëC±PSP° PiCґCfPïP°. P—P°CґPsP±Pë PrP»C¶
P»C-PeCfPIP°PSPSC¶ PïPsCґCfCєPµPSCñ PµCґPµPeC†C-C—. PµPsPr PґPґP¶ G04B E08.

PαP°CґPjP°PePsP»PsPiC-C±PSC- PIP»P°CґC,PëPIPsCґC,C-

PαP°CґPjP°PePsPrPëPSP°PjC-PeP°

PµPµC...P°PSC-P·Pj PrC-C—

PґP°PrP°P»P°C,,C-P» C” CґPµP»PµPeC,PëPIPsPëPj PsP±PsCґPsC,PSPëPj
C-PSPiC-P±C-C,PsCґPsPj C†PëPeP»C-C±PSPsPiPs PiCfP°PSPsP·PëPSPjPsPSPsC,,PsCґC,,P°C,Cf
(C†P”PµPα) вґ” CґPïPµC†PëC,,C-C±PSPsC— C,,PsCґC,,PsPrC-PµCґC,PµCґP°P·Pë C,PëPïCf 5
(PαP”P· 5). PµPsP»Pë CґC,P°C,PµPIP° CґC,PëPjCfP»C¶C†C-C¶ CґPiCґPëC±PëPSC¶C”
P»PsPeP°P»CHPSPµ PIPëPIC-P»CHPSPµPSPSC¶ PsPeCґPëPrCf P°P·PsC,Cf,
C-PSPiC-P±CfPIP°PSPSC¶ PαP”P· 5 C,P°PrP°P»P°C,,C-P»PsPj PïCґPsPrCfPeCfC”
PïC-PrPIPëC%PµPSPëPN¶ CґC-PIPµPSCñ C†P”PµPα Cf PïPµC±PµCґPëCґC,PsPjCf C,C-P»C-.
PjPµ PïCґPëP·PIPsPrPëC,CH PrPs CґPµP»P°PeCґP°C†C-C— PiP»P°PrPePëC... Pjвґ” C¶P·C-PI C-
PïCґPëPïP»PëPICf PeCґPsPIC- PrPs C,PeP°PSPëPS CґC,P°C,PµPIPsPiPs C±P»PµPSP°,
PIPsP°CґP»C-PrPsPe C±PsPiPs PIC-PrP±CfPIP°C”C,CHCґC¶ PµCґPµPeC†C-C¶.
PґP°PrP°P»P°C,,C-P» PïCґPë P»C-PeCfPIP°PSPSC- PµCґPµPeC,PëP»CHPSPsC—
PrPëCґC,,CfPSPeC†C-C— PSPµ C±PëPSPëC,CH CґPIPsC”C— PrC-C— PïCґPë
PIC-PrCґCfC,PSPsCґC,C- CґPµPeCґCfP°P»CHPSPsC— CґC,PëPjCfP»C¶C†C-C—.

P·C,,PµPeC, C-PSPiC-P±CfPIP°PSPSC¶ PePsPSC†PµPSC,CґP°C†C-C— C†P”PµPα Cf
PïPµC±PµCґPëCґC,PsPjCf C,C-P»C- C,P°PePsP¶ CґPïPsCґC,PµCґC-PiP°C”C,CHCґC¶ Cf
PiP»P°PrPePëC... Pjвґ” C¶P·P°C... PïCґPsCґC,P°C,Pë, CґPµC±PsPIPsPjCf PjC-C...CfCґC- C,P°
C—C... CґCfPrPëPSP°C..., C%Ps PïPµCґPµPSPsCґC¶C,CH PeCґPsPI PrPs
PIPëC%PµPIPeP°P·P°PSPëC... PsCґPiP°PSC-PI. PґCfPrPëPSPSP° CґPµP»P°PeCґP°C†C-C¶,
C¶PeP° PïCґPë C†CHPsPjCf PIPëPSPëPeP°C”, CґPïCґPëC±PëPSC¶C” PïC-PrPIPëC%PµPSPSC¶
PïPµCґC,,CfP·C-C— PeCґPsPIC- C,P° PjPsP¶Pµ P±CfC,Pë PïCґPëC±PëPSPsCñ
P·PjPµPSCєPµPSPSC¶ CґPëPjPïC,PsPjC-PI PrPsP±CґPsC¶PeC-CґPSPsC—
PiC-PïPµCґPïP»P°P·C-C— PïPµCґPµPrPjC-C...CfCґPsPIPsC— P·P°P»PsP·Pë. PjC-
CґCfPrPëPSPSC- PµC,,PµPeC,Pë PjPsP¶CfC,CH P±CfC,Pë PrPsPïPsPIPsPµPSC-

C-PSPIc-P±CfPIP°PSPSClPj P°PeC,PëPIPSpScfC,C- P°C,,PµCḡPµPSC,PSPëC... PSPµCḡPIC-PI CḡPµC‡PsPIPsPiPs PjC-C...CfCḡP° C,P° CḡPµP»P°PeCḡP°C†C-C"Ḥ PiP»P°PrPePëC... Pjḃḡ™ CḡP·C-PI PiCḡPsCfC,P°C,Pë C- CḡPµC‡PsPIPsPiPs PjC-C...CfCḡP°.

PαP°CḡPjP°PePsPrPëPSP°PjC-C‡PSC- PµC,,PµPeC,Pë

P"PsCḡP»C-PrP¶PµPSPSCl *in vitro* PiPsPeP°P·P°P»Pë, C%Ps C,P°PrP°P»P°C,,C-P» C" CḡPµP»PµPeC,PëPIPSpëPj C-PSPIc-P±C-C,PscḡPsPj PαP"·P· 5. PαP"·P· 5 ḃḡ" C,,PµCḡPjPµPSC,, CḡPePëPñ P±CfPI P·PSP°PñPrPµPSPëPñ Cḡ PiP»P°PrPePëC... Pjḃḡ™ CḡP·P°C... PiPµC‡PµCḡPëCfC,PsiPs C,C-P»P°, CḡCḡPrPëPSPSPëC... C- PIC-CḡC†PµCḡP°P»ḤPSPëC... PiP»P°PrPePëC... Pjḃḡ™ CḡP·P°C..., CḡPePµP»PµC,PSPëC... Pjḃḡ™ CḡP·P°C..., C,CḡPsPjP±PsC†PëC,P°C..., PSPëCḡPeP°C..., P»PµPiPµPSClC... C- PjPsP·PsC‡PeCḡ. P'PiP»PëPI C,P°PrP°P»P°C,,C-P»Cḡ PSP° PαP"·P· 5 CḡPëP»ḤPSC-CëPëPñ, PSC-P¶ PSP° C-PSCëC- C,,PsCfC,,PsPrC-PµCḡC,PµCḡP°P·Pë. P" C-Cḡ C,P°PrP°P»P°C,,C-P»Cḡ PSP° PαP"·P· 5 Cḡ 10000 CḡP°P·C-PI PiPµCḡPµPIPëC%CḡC" PñPsPiPs PiPiP»PëPI PSP° C,,PµCḡPjPµPSC,Pë PαP"·P· 1, PαP"·P· 2, PαP"·P· 4 C- PαP"·P· 7, C%Ps C" PSP°CḡPIPSpëPjPë Cḡ CḡPµCḡC†C-, PjPsP·PeCḡ, CḡCḡPrPëPSP°C..., PiPµC‡C-PSC†C-, P»PµPñPePsC†PëC,P°C..., CḡPePµP»PµC,PSC-Pñ PjCḡCḡPeCḡP»P°C,CḡCḡC- C,P° C-PSCëPëC... PsCḡPiP°PSP°C.... PḡP°PrP°P»P°C,,C-P» Cḡ 10000 CḡP°P·C-PI PiPsC,CḡP¶PSC-CëPëPñ C%PsPrPs PαP"·P· 5 PiPsCḡC-PIPSClPSPs P· PαP"·P· 3, C%Ps C" C,,PµCḡPjPµPSC,PsPj, PSP°CḡPIPSpëPj Cḡ CḡPµCḡC†C- C,P° PeCḡPsPIPsPSPsCḡPSPëC... CḡCḡPrPëPSP°C.... P|Cḡ CḡPµP»PµPeC,PëPIPSC-CḡC,Ḥ C%PsPrPs PαP"·P· 5 PiPsCḡC-PIPSClPSPs P· PαP"·P· 3 C" PIP°P¶P»PëPIPsḤ, C,PsPjCḡ C%Ps PαP"·P· 3 C" C,,PµCḡPjPµPSC,PsPj, CḡPePëPñ PIC-PrC-PiCḡP°C" PiPµPIPSCḡ CḡPsP»Ḥ Cḡ CḡPePsCḡPsC‡PµPSPSC- CḡPµCḡC†PµPIPsPiPs Pjḃḡ™ CḡP·P°. PḡCḡC-Pj C,PsPiPs, C,P°PrP°P»P°C,,C-P» PiCḡPëP±P»PëP·PSPs Cḡ 700 CḡP°P·C-PI PiPsC,CḡP¶PSC-CëPëPñ C%PsPrPs PαP"·P· 5 PiPsCḡC-PIPSClPSPs P· PαP"·P· 6, C%Ps C" C,,PµCḡPjPµPSC,PsPj, PSP°CḡPIPSpëPj Cḡ CḡC-C,PeC-PIC†C- C- PIC-PrPiPsPIC-PrP°P»ḤPSPëPj P·P° C,,PsC,PsC,CḡP°PSCḡPrCḡPeC†C-Ḥ. PḡP°PrP°P»P°C,,C-P» C,P°PePsP¶ Cḡ 10000 CḡP°P·C-PI PiPsC,CḡP¶PSC-CëPëPñ C%PsPrPs PαP"·P· 5 PiPsCḡC-PIPSClPSPs P· PαP"·P· 7, PαP"·P· 8, PαP"·P· 9 C- PαP"·P· 10.

PḡP»C-PSC-C‡PSP° PµC,,PµPeC,PëPIPSC-CḡC,Ḥ C,P° P±PµP·PiPµPeP°

Pj P·PrPsCḡPsPIPëC... PrPsP±CḡPsPIPsP»ḤC†C-PI C,P°PrP°P»P°C,,C-P» PSPµ PiPëCḡPIP»CḡC" C-CḡC,PsC,PSPsC— CḡC-P·PSPëC†C- PiPsCḡC-PIPSClPSPs P· PiP»P°C†PµP±Ps P·P° PiPsPeP°P·PSPëPeP°PjPë CḡPëCḡC,PsP»C-C‡PSPsPiPs C,P° PrC-P°CḡC,PsP»C-C‡PSPsPiPs P°CḡC,PµCḡC-P°P»ḤPSPsPiPs C,PëCḡPeCḡ Cḡ PiPsP»PsP¶PµPSPSC- PiP°C†C-C"PSC,P° P»PµP¶P°C‡Pë (CḡPµCḡPµPrPSC" PjP°PeCḡPëPjP°P»ḤPSPµ P·PSPëP¶PµPSPSCl 1,6/0,8 PjPj CḡC,. CḡC,. PIC-PrPiPsPIC-PrPSPs), CḡPëCḡC,PsP»C-C‡PSPsPiPs C,P° PrC-P°CḡC,PsP»C-C‡PSPsPiPs P°CḡC,PµCḡC-P°P»ḤPSPsPiPs C,PëCḡPeCḡ Cḡ PiPsP»PsP¶PµPSPSC- PiP°C†C-C"PSC,P° CḡC,PsCḡC‡Pë (CḡPµCḡPµPrPSC" PjP°PeCḡPëPjP°P»ḤPSPµ P·PSPëP¶PµPSPSCl 0,2/4,6 PjPj CḡC,. CḡC,. PIC-PrPiPsPIC-PrPSPs) C,P° C-CḡC,PsC,PSPsC— P·PjC-PSPë C‡P°CḡC,PsC,Pë CḡPµCḡC†PµPIPëC... CḡPePsCḡPsC‡PµPSḤ.

Pj C...PsPrC- PrPsCḡP»C-PrP¶PµPSPSCl PiPiP»PëPICḡ C,P°PrP°P»P°C,,C-P»Cḡ PSP° P·C-Cḡ P·PiPëPePsCḡPëCḡC,P°PSPSClPj C,PµCḡC,Cḡ PsC†C-PSPePë PePsP»ḤPsCḡPsPIPsPiPs CḡPiCḡPëPñPSClC,C,Cḡ Farnsworth-Munsell 100 Hue P±CḡP»Ps PICḡC,P°PSPsPiP»PµPSPs, C%Ps C,P°PrP°P»P°C,,C-P» PSPµ PiPsPiC-CḡCëCḡC" CḡPsP·PiC-P·PSP°PIP°PSPSCl PePsP»ḤPsCḡC-PI (CḡPëPSC-Pñ·P·PµP»PµPSPëPñ). PhC,CḡPëPjP°PSC- PrP°PSC- PeP»C-PSC-C‡PSPsPiPs PrPsCḡP»C-PrP¶PµPSPSCl PiC-PrC,PIPµCḡPrP¶CḡCḡC,Ḥ PSPëP·ḤPeCḡ CḡPiPsCḡC-PrPSPµPSC-CḡC,Ḥ C,P°PrP°P»P°C,,C-P»Cḡ C%PsPrPs PαP"·P· 6

PiPsC7C-PIPSCiPSPs P· PαP''P· 5. PJ C...PsPrC- PICiC-C... PeP»C-PSC-C#PSPeC...
PrPsCfP»C-PrP¶PμPSCH C7C-PrPePs (< 0,1 %) PiPsPIC-PrPsPjP»C¶P»Pë PiC7Ps P·PjC-PSPë PI
C7PsP·PiC-P·PSP°PIP°PSPSC- PePsP»CHbPsC7C-PI.

P'CrP»Ps PiC7PsPIPμPrPμPSPs C,C7Pë PeP»C-PSC-C#PSPeC... PrPsCfP»C-PrP¶PμPSPSCi P·
CrC#P°CfC,C7 C#PsP»PsPIC-PeC-PI PrP»C¶ PsC†C-PSPePë PiPsC,PμPSC†C-PNεPSPsPiPs
PIPiP»PëPICr PSP° C¶PiPμC7PjP°C,PsPiPμPSPμP· C,P°PrP°P»P°C,,C-P»Cr PI PrPsP·C- 10 PjPi
(PsPrPSPμ PrPsCfP»C-PrP¶PμPSPSCi C,C7PëPIP°P»C-CfC,C7 6 PjC-CfC¶C†C-PI) C,P° PI
PrPsP·C- 20 PjPi (PsPrPSPμ PrPsCfP»C-PrP¶PμPSPSCi C,C7PëPIP°P»C-CfC,C7 6
PjC-CfC¶C†C-PI C- PsPrPSPμ б7" C,C7PëPIP°P»C-CfC,C7 9 PjC-CfC¶C†C-PI) PiC7Pë
C#P°CfC,PsC,C- PiC7PëPNεPsPjCr 1 C7P°P· PSP° PrPsP±Cr. PJ C...PsPrC- PrPIPsC... C-P·
C,C7CHbPsC... PrPsCfP»C-PrP¶PμPSCH C¶PiPsCfC,PμC7C-PiP°P»PsCfC¶ PeP»C-PSC-C#PSPs
PSPμP·PSP°C#CrC%oPμ P·PSPëP¶PμPSPSCi PeC-P»CHbPePsCfC,C- C,P°
PePsPSC†PμPSC,C7P°C†C-C— C¶PiPμC7PjPë, P°CfPsC†C-PNεPsPIP°PSPμ P· PiC7PëPNεPsPjPsPj
C,P°PrP°P»P°C,,C-P»Cr. PiC- PμC,,PμPeC,Pë PSPμ P±CrP»Pë PiPsPiб7™ C¶P·P°PSC- P·C-
P·PjC-PSP°PjPë C-PSC€PëC... C...P°C7P°PeC,PμC7PëCfC,PëPe, C,P°PePëC... C¶Pe
C7CrC...P»PëPIC-CfC,CH C¶PiPμC7PjP°C,PsP·PsC—PrC-PI, PjPsC7C,,PsP»PsPiC-C¶ C,P°
C7C-PIPμPSCH C,,PsP»C-PeCrP»PsCfC,PëPjCrP»C7C7C#PsPiPs PiPsC7PjPsPSCr PI PeC7PsPIC-.

P·C7PμPeC,PëP»CHbPSP° PrPëCfC,,C2PSPeC†C-C¶

P7C7Pë PeP»C-PSC-C#PSC- PrPsCfP»C-PrP¶PμPSPSCi P±CrP»Pë PiC7PsPIPμPrPμPSC- P·P°
CrC#P°CfC,C7 1054 PiP°C†C-C''PSC,C-PI P· PjPμC,PsC7 PIPëC¶IPiP»PμPSPSCi PiPμC7C-PsPrCr
PiPsC#P°C,PeCr PμC,,PμPeC,Cr C,P°PrP°P»P°C,,C-P»Cr, C¶PePëPNε
PiC7PsPrPμPjPsPSCfC,C7CrPiP°PI CfC,P°C,PëCfC,PëC#PSPs P·PSP°C#CrC%oPμ
PiPsPeC7P°C%oPμPSPSCi PμC7PμPeC,PëP»CHbPSPsC— C,,CrPSPeC†C-C—, P° C,P°PePsP¶
PrC-C''PIC-CfC,CH PiC7PsC,C¶PiPsPj 36 PiPsPrPëPS C,P° PIPëC¶IPiP»PμPSPSCi PμC,,PμPeC,Cr
PIP¶Pμ C#PμC7PμP· 16 C...PIPëP»PëPS PiC-CfP»C¶ PiC7PëPNεPsPjCr PrPsP·Pë
PiPsC7C-PIPSCiPSPs P· PiP»P°C†PμP±Ps (PiC7PëPNεPsPj C,P°PrP°P»P°C,,C-P»Cr P·P°
PiPsC,C7PμP±Pë).

P7P°PrP°P»P°C,,C-P» Cr PrPsP·P°C... PIC-Pr 2 PrPs 100 PjPi PsC†C-PSC7PIP°PICfC¶ Cr
C...PsPrC- 16 PeP»C-PSC-C#PSPeC... PrPsCfP»C-PrP¶PμPSCH P·P° CrC#P°CfC,C7 3250
PiP°C†C-C''PSC,C-PI, C¶PeC- PIPeP»C7C#P°P»Pë PiP°C†C-C''PSC,C-PI P·
PμC7PμPeC,PëP»CHbPSPsC7 PrPëCfC,,CrPSPeC†C-C''C7 C7C-P·PSPsC— C,C¶P¶PePsCfC,C-
(PiPsPjC-C7PSP°, C¶PμC7PμPrPSCHbPsC— C,C¶P¶PePsCfC,C-, P·PSP°C#PSP°), C7C-P·PSPsC—
PμC,C-PsP»PsPiC-C—, PiP°C†C-C''PSC,C-PI C7C-P·PSPsPiPs PIC-PeCr (PIC-PePsPj PIC-Pr 21 PrPs
86 C7PsPeC-PI) C,P° C7C-P·PSPeC... PμC,PSC-C#PSPeC... PiC7CrPi. PJ P±C-P»CHbC€PsCfC,C-
PiP°C†C-C''PSC,C-PI PμC7PμPeC,PëP»CHbPSP° PrPëCfC,,CrPSPeC†C-C¶
C¶PiPsCfC,PμC7C-PiP°P»P°CfC¶ PiC7PsC,C¶PiPsPj PSPμ PjPμPSC€Pμ PsPrPSPsPiPs C7PsPeCr.
PJ C...PsPrC- PiPμC7PIPëPSPSPeC... PrPsCfP»C-PrP¶PμPSCH PμC,,PμPeC,PëPIPSsCfC,C-
PePsPμC,,C-C†C-C''PSC, PiPsPeC7P°C%oPμPSPSCi CfC,P°PSCr CfC,P°PSPsPiPëPI 81 % Cr
PiC7CrPiC- P·P°CfC,PsCfCrPiP°PSPSCi C,P°PrP°P»P°C,,C-P»Cr PiPsC7C-PIPSCiPSPs P· 35 %
Cr PiC7CrPiC- PiP»P°C†PμP±Ps. P7C7C-Pj C,PsPiPs, Cr PiP°C†C-C''PSC,C-PI P·
PμC7PμPeC,PëP»CHbPSPsC7 PrPëCfC,,CrPSPeC†C-C''C7 C7C-P·PSPsPiPs CfC,CrPiPμPSCi
C,C¶P¶PePsCfC,C- PiPsPIC-PrPsPjP»C¶P»PsCfC¶ PiC7Ps PiPsPeC7P°C%oPμPSPSCi
CfC,P°PSCr PiC-Pr C#P°Cf PiC7PëPNεPsPjCr C,P°PrP°P»P°C,,C-P»Cr (PePsPμC,,C-C†C-C''PSC,
CrCfPiC-C€PSPeC... C¶PiC7PsP± CfC,P°PSPsPiPëPI 86 %, 83 % C,P° 72 % Cr
PiP°C†C-C''PSC,C-PI P· PμC7PμPeC,PëP»CHbPSPsC7 PrPëCfC,,CrPSPeC†C-C''C7
PiPsPjC-C7PSPsC—, C¶PμC7PμPrPSCHbPsC— C,P°B P·PSP°C#PSPsC— C,C¶P¶PePsCfC,C-
PIC-PrPiPsPIC-PrPSPs PiPsC7C-PIPSCiPSPs P· 45 %, 42 % C,P° 19 % Cr PiC7CrPiC-
PiP»P°C†PμP±Ps). PJ C...PsPrC- PiPμC7PIPëPSPSPeC... PrPsCfP»C-PrP¶PμPSCH

PμC,,PμPeC,PēPIPSpCfC,C- PePsPμC,,C-C†C-C"psc, CrcfPīC-CēPSPēC... CfpīCfPsp±
CfC,P°PSPsPIpēPI 75 % Crcf PīCfCfPīC- P·P°CfC,PsCfCfPIP°PSPSCf C,P°PrP°P»P°C,,C-P»Crcf
PīPsCfC-PIPSCFIPSPs P· 32 % Crcf PīCfCfPīC- PīP»P°C†PμP±Ps.

PJ C...PsPrC- PrPsCfP»C-PrP¶PμPSPSCf C,CfPēPIP°P»C-CfC,Cf 12 C,PēP¶PSC-PI P·
CrcfP°CfC,Cf 186 PīP°C†C-C"psc,C-PI (142 PīP°C†C-C"psc,Pē PsC,CfPēPjCfPIP°P»Pē
C,P°PrP°P»P°C,,C-P», 44 PīP°C†C-C"psc,Pē b f" PīP»P°C†PμP±Ps) C-P· PIC,PsCfPēPSPSPsCf
PμCfPμPeC,PēP»CHpSPsCf PrPēCfC,,CfPSPeC†C-C"Cf C%PsPrPs PīPsCēPePsPrP¶PμPSPSCf
CfPīPēPSPSPsPīPs PjPsP·PeCrcf C,P°PrP°P»P°C,,C-P» PīCfPspCfPIP»CfPI P·PSP°C†PSPμ
PīPsPeCfP°C%P°PSPSCf PμCfPμPeC,PēP»CHpSPsC- C,,CfPSPeC†C-C-, P° Crcf
CfPμCfPμPrPSCfPspjCf PePsPμC,,C-C†C-C"psc, CrcfPīC-CēPSPēC... CfpīCfPsp± PīCfPē
PīCfPēPnēPspjC- C,P°PrP°P»P°C,,C-P»Crcf PI PrPsP·C- 10 PjPi P°P±Ps 20 PjPi (PīC-PrP±C-Cf
PrPsP·Pē, P·P°CfC,PsCfCfPIP°PSPSCf P·P° PīPsC,CfPμP±Pē) CfC,P°PSPsPIpēPI 48 %
PīPsCfC-PIPSCFIPSPs P· 17 % Crcf PīCfCfPīC- PīP»P°C†PμP±Ps.

PŷP°PrP°P»P°C,,C-P» Crcf PrPsP·P°C... 2,5 PjPi, 5 PjPi C,P° 10 PjPi 1 CfP°P· PSP° PrPsP±Crcf
Psc†C-PSCfPIP°P»Pē Crcf C...PsPrC- 3 PeP»C-PSC-C†PSPēC... PrPsCfP»C-PrP¶PμPSCf P·
CrcfP°CfC,Cf 853 PīP°C†C-C"psc,C-PI CfC-P·PSPsPīPs PIC-PeCrcf (PIC-PePsPj PIC-Pr 21 PrPs 82
CfPspPeC-PI) C,P° CfC-P·PSPēC... PμC,PSC-C†PSPēC... PīCfCfPī P· PμCfPμPeC,PēP»CHpSPsCf
PrPēCfC,,CfPSPeC†C-C"Cf CfC-P·PSPēC... CfC,CrcfPīPμPSC-PI C,CfP¶PePsCfC,C-
(P»PμPīPePēPnē, CfPμCfPμPrPSC-Pnē, C,CfP¶PePēPnē) C,P° CfC-P·PSPsC-
PμC,C-PsP»PsPīC-C-. PJ C...PsPrC- PrPIPsC... PīPμCfPIPēPSPSPēC... PrPsCfP»C-PrP¶PμPSCf
PμC,,PμPeC,PēPIPSpCfC,C- Crcf P·P°PīP°P»CHpSC-Pnē PīPsPīCrcfP»CfC†C-C- Crcf
CfPμCfPμPrPSCfPspjCf PePsPμC,,C-C†C-C"psc, CrcfPīC-CēPSPēC... CfpīCfPsp± P±CrcfPI 57 %
C,P° 67 % PīCfPē PīCfPēPnēPspjC- C,P°PrP°P»P°C,,C-P»Crcf 5 PjPi C,P° 50 % PīCfPē
PīCfPēPnēPspjC- C,P°PrP°P»P°C,,C-P»Crcf 2,5 PjPi PīPsCfC-PIPSCFIPSPs P· 31 % C,P° 37 % Crcf
PīCfCfPīC- PīP»P°C†PμP±Ps. PJ PrPsCfP»C-PrP¶PμPSPSCfC... P· CrcfP°CfC,Cf
PīP°C†C-C"psc,C-PI C-P· PIC,PsCfPēPSPSPsCf PμCfPμPeC,PēP»CHpSPsCf
PrPēCfC,,CfPSPeC†C-C"Cf C%PsPrPs PrC-P°P±PμC,Crcf Cf CfPμCfPμPrPSCfPspjCf
PePsPμC,,C-C†C-C"psc, CrcfPīC-CēPSPēC... CfpīCfPsp± CfC,P°PSPsPIpēPI 41 % C,P° 46 %
PīCfPē PīCfPēPnēPspjC- C,P°PrP°P»P°C,,C-P»Crcf PI PrPsP·C- 5 PjPi C,P° 2,5 PjPi
PIC-PrPīPsPIC-PrPSPs PīPsCfC-PIPSCFIPSPs P· 28 % Crcf PīCfCfPīC- PīP»P°C†PμP±Ps.
P·C-P»CHCēC-CfC,Cf PīP°C†C-C"psc,C-PI Crcf PīPēC%PμPSP°PIPμPrPμPSPēC...
PrPsCfP»C-PrP¶PμPSPSCfC... CfP°PSC-CēPμ PīCfPēPnēPjP°P»Pē C-PSPiC-P±C-C,PsCfPē
PαP"· 5 Crcf CfP°P·C- PīPsC,CfPμP±Pē. PJ PSP°CfC,CrcfPīPSPsPjCf PrPsCfP»C-PrP¶PμPSPSC-
217 PīP°C†C-C"psc,C-PI, CfPeC- CfP°PSC-CēPμ PSPμ P·P°CfC,PsCfPspICrcfPIP°P»Pē
C-PSPiC-P±C-C,PsCfPē PαP"· 5, PsC,CfPēPjCfPIP°P»Pē C,P°PrP°P»P°C,,C-P» Crcf PrPsP·C- 5
PjPi 1 CfP°P· PSP° PrPsP±Crcf C,P° PīP»P°C†PμP±Ps. PJ CfPμCfPμPrPSCfPspjCf
PePsPμC,,C-C†C-C"psc, CrcfPīC-CēPSPēC... CfpīCfPsp± CfC,P°PSPsPIpēPI 68 % Crcf PīCfCfPīC-
PīCfPēPnēPspjCf C,P°PrP°P»P°C,,C-P»Crcf PīPsCfC-PIPSCFIPSPs P· 52 % Crcf PīCfCfPīC-
PīP»P°C†PμP±Ps.

P"PsP±CfPspCfPeC-CfPSP° PīC-PīPμCfPīP»P°P·C-Cf PīPμCfPμPrPjC-C...CzCfPspIPsC-
P·P°P»PsP·Pē

P—P°CfC,PsCfCfPIP°PSPSCf C,P°PrP°P»P°C,,C-P»Crcf PrPsCfP»C-PrP¶CfPIP°P»PsCfCf Crcf
C...PsPrC- C†PsC,PēCfCHpSC... PeP»C-PSC-C†PSPēC... PrPsCfP»C-PrP¶PμPSCf, C%Ps
C,CfPēPIP°P»Pē 12 C,PēP¶PSC-PI, P·P° CrcfP°CfC,Cf 1500 PīP°C†C-C"psc,C-PI C-P·
CfPēPjPīC,PsPjP°PjPē PrPsP±CfPspCfPeC-CfPSPsC- PīC-PīPμCfPīP»P°P·C-C-
PīPμCfPμPrPjC-C...CrcfPspIPsC- P·P°P»PsP·Pē. PJ C...PsPrC- C†PēC... PeP»C-PSC-C†PSPēC...
PrPsCfP»C-PrP¶PμPSCf C,P°PrP°P»P°C,,C-P» Crcf PrPsP·C- 5 PjPi
PīCfPspPrPμPjPspSCfC,CfCfPIP°PI PīPsPeCfP°C%PμPSPSCf CfC,P°PSCf PīP°C†C-C"psc,P°

P·P° P·P°PiP°P»CHbPSPsCĤ PjC-P¶PSP°CĤPsPrPSPsCĤ C€PeP°P»PsCĤ
 PiCĤPsCĤC,P°C,P€C±PSP€C... CĤP€PjPiC,PsPjC-PI (PĤP€PμPŸ) PiPsCĤC-PIPSCĤPSPs P·
 PiP»P°C†PμP±Ps (PsC†C-PSPeP€ PiPsPeCĤP°C%oPμPSPSCĤ P·P° PĤP€PμPŸ PiCĤP€
 PiCĤP€PμPjC- C,P°PrP°P»P°C,,C-P»Cř Cř PrPsP·C- 5 PjPi CĤC,P°PSPsPIP»CĤC,CH bĤ“4,8,
 bĤ“5,6, bĤ“6,1 C,P° bĤ“6,3, PiPsCĤC-PIPSCĤPSPs P· bĤ“2,2, bĤ“3,6 bĤ“3,8, bĤ“4,2 Cř CĤP°P·C-
 PiCĤP€PμPjCř PiP»P°C†PμP±Ps). PμPsPeCĤP°C%oPμPSPSCĤ CĤC,P°PSCř PiP°C†C-C”PSC,P°
 P·P° P·P°PiP°P»CHbPSPsCĤ PĤP€PμPŸ CĤPiPsCĤC,PμCĤC-PiP°P»PsCĤCĤ PIP¶Pμ PiC-CĤP»CĤ
 PiPμCĤC€PsPiPs C,P€P¶PSCĤ P»C-PeCřPIP°PSPSCĤ. P’ PsPrPSPsPjCř P· PeP»C-PSC-C±PSP€C...
 PrPsCĤP»C-PrP¶PμPSCĤ, PrPμ CĤPe P°PeC,P€PIPSP€Pμ PePsPjPiP°CĤP°C,PsCĤ C,P°PePsP¶
 P±CřPI PIPeP»CĤC±PμPSP€Pμ C,P°PjCĤCřP»PsP·P€PS Cř PrPsP·C- 0,4 PjPi, PsC†C-PSPeP€
 PiPsPeCĤP°C%oPμPSPSCĤ P·P° PĤP€PμPŸ PiCĤP€ PiCĤP€PμPjC- C,P°PrP°P»P°C,,C-P»Cř PI
 PrPsP·C- 5 PjPi, C,P°PjCĤCřP»PsP·P€PSCř C,P° PiP»P°C†PμP±Ps CĤC,P°PSPsPIP€P»P€ bĤ“6,3,
 bĤ“5,7 bĤ“4,2 PIC-PrPiPsPIC-PrPSPs.

PJ C...PsPrC- PsPrPSPsPiPs P· C†P€C... PrPsCĤP»C-PrP¶PμPSCĤ PsC†C-PSCĤPIP°P»P€ CĤPe
 PiPsPeCĤP°C%oPμPSPSCĤ PμCĤPμPeC,P€P»CHbPSPsC— C,,CřPSPeC†C-C—, C,P°Pe C-
 PiPsCĤP»P°P±P»PμPSPSCĤ CĤP€PjPiC,PsPjPI PrPsP±CĤPsCĤPeC-CĤPSPsC—
 PiC-PiPμCĤPiP»P°P·C-C— PiPμCĤPμPrPjC-C...CřCĤPsPIPsC— P·P°P»PsP·P€ Cř
 PiP°C†C-C”PSC,C-PI, CĤPeC- PjP°P»P€ PsP±P€PrPIP° CĤC,P°PSP€. PμPsPeCĤP°C%oPμPSPSCĤ
 PμCĤPμPeC,P€P»CHbPSPsC— C,,CřPSPeC†C-C— P·P° PjC-P¶PSP°CĤPsPrPSP€Pj
 C-PSPrPμPeCĤPsPj PsC†C-PSPeP€ PμCĤPμPeC,P€P»CHbPSPsC— C,,CřPSPeC†C-C— C,P° P·P°
 PĤP€PμPŸ CĤC,P°PSPsPIP€P»Ps 6,5 C,P° bĤ“6,1 Cř CĤP°P·C- PiCĤP€PμPjCř
 C,P°PrP°P»P°C,,C-P»Cř PI PrPsP·C- 5 PjPi PiPsCĤC-PIPSCĤPSPs P· 1,8 C,P° bĤ“3,8 Cř PiCĤCřPiC-
 PiP»P°C†PμP±Ps PIC-PrPiPsPIC-PrPSPs. PJ CĤPμCĤPμPrPSCĤPsPjCř PIC-PrCĤPsC,PsPe
 CřCĤPiC-C€PSP€C... CĤPiCĤPsP± CĤC,P°C,PμPIPsPiPs P°PeC,Cř PSP° PsPrPSCř PsCĤPsP±Cř PI
 PrPsCĤP»C-PrP¶PμPSPSC- CĤC,P°PSPsPIP€PI 71,9 % Cř PiCĤCřPiC- PiCĤP€PμPjCř
 C,P°PrP°P»P°C,,C-P»Cř PI PrPsP·CřPIP°PSPSC- 5 PjPi C,P° 48,3 % bĤ“ Cř PiCĤCřPiC-
 PiP»P°C†PμP±Ps.

PμC-PrC,CĤP€PjPeP° PrPsCĤCĤPiPSCřC,PsPiPs PμC,,PμPeC,Cř C,P°PrP°P»P°C,,C-P»Cř
 PsC†C-PSCĤPIP°P»P°CĤCĤ Cř C...PsPrC- PrPsPrP°C,PePsPIPsPiPs PIC-PrPeCĤP€C,PsPiPs
 PrPsCĤP»C-PrP¶PμPSPSCĤ, P·P° CĤPμP·CřP»CHbC,P°C,P°PjP€ CĤPePsPiPs P±CřP»Ps
 PICĤC,P°PSPsPIP»PμPSPs, C%oPs PiPsPeCĤP°C%oPμPSPSCĤ P·P° P·P°PiP°P»CHbPSPsCĤ
 PĤP€PμPŸ, C%oPs CĤPiPsCĤC,PμCĤC-PiP°P»PsCĤCĤ PiCĤPsC,CĤPiPsPj 12 C,P€P¶PSC-PI,
 P·P±PμCĤC-PiP°C”C,CHbCĤCĤ PrPsPrP°C,PePsPIPs PrPs 1 CĤPsPeCř PiC-CĤP»CĤ
 P»C-PeCřPIP°PSPSCĤ C,P°PrP°P»P°C,,C-P»PsPj Cř PrPsP·C- 5 PjPi.

P”C-C,P€

P’CřP»Ps PiCĤPsPIPμPrPμPSPs PsPrPSPμ PrPsCĤP»C-PrP¶PμPSPSCĤ P· CřC±P°CĤC,CH
 PrC-C,PμPμ P· PjPŸ™ CĤP·PsPIPsCĤ PrP€CĤC,CĤPsC,,C-C”CĤ P”CĤC€PμPSP° (PĤP”P”), Cř
 CĤPePsPjCř PiC-PrC,PIPμCĤPrP¶PμPSP€C... PrPsPeP°P·C-PI PμC,,PμPeC,P€PIPSPsCĤC,C- PSPμ
 P±CřP»Ps PiCĤPsPrPμPjPsPSCĤC,CĤPsPIP°PSPs. PiPμ PrPsCĤP»C-PrP¶PμPSPSCĤ
 PμC,,PμPeC,P€PIPSPsCĤC,C- C,P°PrP°P»P°C,,C-P»Cř P±CřP»Ps CĤP°PSPPrPsPjC-P·PsPIP°PSP€Pj
 PiPsPrPIC-PμPSP€Pj CĤP»C-PiP€Pj PiP»P°C†PμP±Ps-PePsPSC,CĤPsP»CHbPsPIP°PSP€Pj, Cř
 C,CĤCHbPsC... PiP°CĤP°P»PμP»CHbPSP€C... PiCĤCřPiP°C... P· CřC±P°CĤC,CH 331 PrP€C,P€PSP€
 C±PsP»PsPIC-C±PsC— CĤC,P°C,C- PIC-PePsPj PIC-Pr 7 PrPs 14 CĤPsPeC-PI P· PĤP”P”, CĤPeC-
 PsPrPSPsC±P°CĤPSPs PsC,CĤP€PjCřPIP°P»P€ C,PμCĤP°PiC-CĤ
 PePsCĤC,P€PePsCĤC,PμCĤPsC—PrP°PjP€. P”PsCĤP»C-PrP¶PμPSPSCĤ PIPeP»CĤC±P°P»Ps 48-
 C,P€P¶PSPμPIP€Pμ PiPsPrPIC-PμPSP€Pμ CĤP»C-PiP€Pμ PiPμCĤC-PsPr, PiC-Pr C±P°CĤ
 CĤPePsPiPs PiP°C†C-C”PSC,P€ P±CřP»P€ CĤPsP·PrC-P»PμPSC- PSP° PiCĤCřPiP€

(CYP). PhCÍPSPsPIPSpPj C†PëCĤPeCíP»CĤCĤC†PëPj PjPμC,P°P±PsP»C-C,Pspj C”
PjPμC,PëP»PeP°C,PμC...PsP»PiP»CĤPeCíCĤPsPSC-Pr. PíPμPNē PjPμC,P°P±PsP»C-C, PjP°C”
P°PeC,PëPIPS-CÍC,CĤ C%PsPrPs PαP”P• 5 Cr 13000 CĤP°P·C-PI PjPμPSC€Pμ, PSC-P¶
C,P°PrP°P»P°C,,C-P». PŷP°PePëPj C†PëPSPsPj, PsC†C-PeCíC”C,CĤCÍCĬ, C%Ps
PjPμC,P°P±PsP»C-C, PSPμ P±CíPrPμ PIPëCĬPIP»CĬC,Pë PeP»C-PSC-C†PSPsC—
P°PeC,PëPIPSsCÍC,C- Cr PePsPSC†PμPSC,CĤP°C†C-CĬC..., C%Ps
CÍPiPsCÍC,PμCĤC-PiP°CĤC,CĤCÍCĬ.

P’PëPIPμPrPμPSPSCĬ. PŷPμCĤPμPrPSC-PNē PeP»C-CĤPμPSCÍ PiPμCĤPsCĤP°P»CĤPSPsPiPs
C,P°PrP°P»P°C,,C-P»Cr CÍC,P°PSPsPIPëC,CĤ 2,5 P»/PiPsPr, P° CÍPμCĤPμPrPSC-PNē
PiPμCĤC-PsPr PSP°PiC-PIPIPëPIPμPrPμPSPSCĬ BĤ” 17,5 PiPsPrPëPSPë Cr P·PrPsCĤPsPIPëC...
PrPsP±CĤPsPIPsP»CĤC†C-PI. PŷP°PrP°P»P°C,,C-P» PIPëPIPsPrPëC,CĤCÍCĬ
PiPμCĤPμPIP°P¶PSPs Cr PIPëPiP»CĬPrC- PSPμP°PeC,PëPIPSpPëC... PjPμC,P°P±PsP»C-C,C-PI,
P±C-P»CĤC€PsCĤ PjC-CĤPsCĤ P· C,,PμPeP°P»C-CĬPjPë (PiCĤPëP±P»PëP·PSPs 61 % PrPsP·Pë)
C- PjPμPSC€PsCĤ BĤ” C-P· CÍPμC†PμCĤ (PjP°PNēP¶Pμ 36 % PrPsP·Pë).

P>C-PSC-PNēPSC-CÍC,CĤ/PSPμP»C-PSC-PNēPSC-CÍC,CĤ C,,P°CĤPjP°PePsPeC-PSPμC,PëPePë.
PαP°CĤPjP°PePsPeC-PSPμC,PëPeP° C,P°PrP°P»P°C,,C-P»Cr Cr P·PrPsCĤPsPIPëC...
PrPsP±CĤPsPIPsP»CĤC†C-PI P»C-PSC-PNēPSPs PiCĤPsPiPsCĤC†C-PNēPSP° PrPs
C†P°CÍCr C- PrPsP·Pë. P’ PrC-P°PiP°P·PsPSC- PrPsP· PIC-Pr 2,5 PrPs 20 PjPi
PμPeCÍPiPsP·PëC†C-CĬ (AUC) PiC-PrPIPëC%CrC”C,CĤCÍCĬ PiCĤPsPiPsCĤC†C-PNēPSPs PrPs
PrPsP·Pë. PμPsCÍC,C-PNēPSP° PePsPSC†PμPSC,CĤP°C†C-CĬ Cr PiP»P°P·PjC- PeCĤPsPIC-
PrPsCÍCĬPiP°C”C,CĤCÍCĬ PiCĤPsC,CĬPiPsPj
5 PrPSC-PI PiCĤPë C%PsPrPμPSPSPsPjCr PiCĤPëPNēPsPjC- 1 CĤP°P· PSP° PrPsP±Cr.

PαP°CĤPjP°PePsPeC-PSPμC,PëPeP° PiCĤPμPiP°CĤP°C,Cr PsPrPSP°PePsPIP° Cr
PiP°C†C-C”PSC,C-PI P· PμCĤPμPeC,PëP»CĤPSPsCĤ PrPëCÍC,,CíPSPeC†C-C”CĤ C,P° Cr
PiP°C†C-C”PSC,C-PI P±PμP· PSPμC—.

PhPeCĤPμPjC- PiCĤCáPiPë PSP°CÍPμP»PμPSPSCĬ

PhCÍPsP±Pë P»C-C,PSCHPsPiPs PIC-PeCá. P—PrPsCĤPsPIC- PrPsP±CĤPsPIPsP»CĤC†C-
P»C-C,PSCHPsPiPs PIC-PeCí (PIC-PePsPj PIC-Pr 65 CĤPsPeC-PI) PjP°P»Pë PSPëP¶C†C-
P·PSP°C†PμPSPSCĬ PeP»C-CĤPμPSCÍCr C,P°PrP°P»P°C,,C-P»Cr PiCĤPë PiCĤPëPNēPsPjC-
PIPSCrC,CĤC-C€PSCHPs, C%Ps PiCĤPëP·PIPsPrPëP»Ps PrPs PiC-PrPIPëC%PμPSPSCĬ PSP°
25 % AUC PiPsCĤC-PIPSCĬPSPs P·C- P·PrPsCĤPsPIPëPjPë PrPsP±CĤPsPIPsP»CĤC†CĬPjPë
PIC-PePsPj 19BĤ”45 CĤPsPeC-PI. PíPμPNē PIC-PePsPIPëPNē PμC,,PμPeC, PSPμ C”
PeP»C-PSC-C†PSPs P·PSP°C†CíC%PëPj C- PSPμ PiPsC,CĤPμP±CíC” CĤPμPiCíP»CĤPIP°PSPSCĬ
PrPsP·Pë.

PμP°C†C-C”PSC,Pë P· PSPëCĤPePsPIPsCĤ PSPμPrPsCÍC,P°C,PSC-CÍC,CĤ. Pj C...PsPrC-
PrPsCÍP»C-PrP¶PμPSCH P· PeP»C-PSC-C†PSPsC— C,,P°CĤPjP°PePsP»PsPiC-C— C-P·
P·P°CÍC,PsCÍCrPIP°PSPSCĬPj PsPrPëPSPëC†PSPsC— PrPsP·Pë C,P°PrP°P»P°C,,C-P»Cr
(5BĤ”20 PjPi) AUC C,P°PrP°P»P°C,,C-P»Cr PiCĤP°PeC,PëC†PSPs PiPsPrPIPsC—P»P°CÍCĬ
Cr PiP°C†C-C”PSC,C-PI P·C- CÍP»P°P±PePsCĤ (PeP»C-CĤPμPSCÍ
PeCĤPμP°C,PëPSC-PSCr PIC-Pr 51 PrPs 80 PjP»/C...PI) P°P±Ps PiPsPjC-CĤPSPsCĤ
(PeP»C-CĤPμPSCÍ PeCĤPμP°C,PëPSC-PSCr PIC-Pr 31 PrPs 50 PjP»/C...PI) PSPëCĤPePsPIPsCĤ
PSPμPrPsCÍC,P°C,PSC-CÍC,CĤ, P° C,P°PePsP¶ Cr PiP°C†C-C”PSC,C-PI P· PsCÍC,P°PSPSCHPsCĤ
CÍC,P°PrC-C”CĤ PSPëCĤPePsPIPsC— C...PIPsCĤPsP±Pë PSP° PrC-P°P»C-P·C-. Pj
PiP°C†C-C”PSC,C-PI, CĬPeC- P·PSP°C...PsPrPëP»PëCÍCĬ PSP° PiPμPjPsPrC-P°P»C-P·C-, Pŷ_{max}
P±CíP»P° PSP° 41 % PIPëC%P°, PSC-P¶ Cr P·PrPsCĤPsPIPëC...

PrPsP±CḡPsPIPsP»CHC†C-PI. P'PīP»PēPIPsPj PiPμPjPsPrC-P°P»C-P·Cf PSP°
PIPēPIPμPrPμPSPSCḡ C,P°PrP°P»P°C,,C-P»Cf PjPsPḡPSP° P·PSPμC...C,CfPIP°C,Pē.

PμP°C†C-C"PS C,Pē P· PiPμC†C-PSPePsPIPsCḡ PSPμPrPsCfC,P°C,PS C-CfC,Cḡ. AUC
C,P°PrP°P»P°C,,C-P»Cf Cḡ PīP°C†C-C"PS C,PI P·C- CfP»P°P±PePsCḡ C,P°
PīPsPjC-CḡPSPsCḡ PīPμC†C-PSPePsPIPsCḡ PSPμPrPsCfC,P°C,PS C-CfC,Cḡ (PeP»P°CfPē
Pḡ C,P° P' P·P° CēPeP°P»PsCḡ PḡP°PNēP»PrP° Bḡ“ PḡBḡ™ Cḡ) C"
PīPsCḡC-PIPS CḡPSPSPsCḡ P· PμPeCfPīPsP·PēC†C-C" Cḡ Cḡ P·PrPsCḡPsPIPēC...
PrPsP±CḡPsPIPsP»CHC†C-PI PīCḡPē P·P°CfC,P sCfCfPIP°PSPSC- PrPsP·Pē 10 PjPi.
P"°PSC- C°PsPrPs P±PμP·PīPμC†PSPsCfC,C- PīCḡPēP·PSP°C†PμPSPSCḡ
C,P°PrP°P»P°C,,C-P»Cf PīP°C†C-C"PS C,P°Pj C-P· C,CḡPḡPePsCḡ PīPμC†C-PSPePsPIPsCḡ
PSPμPrPsCfC,P°C,PS C-CfC,Cḡ (PeP»P°Cf Pḡ P·P° CēPeP°P»PsCḡ PḡP°PNēP»PrP° Bḡ“ PḡBḡ™ Cḡ)
PsP±PjPμPḡPμPS C-. PkPμPjP°C" PrP°PSPēC... C°PsPrPs P·P°CfC,P sCfCfPIP°PSPSCḡ
C,P°PrP°P»P°C,,C-P»Cf PI PrPsP·C- 1 CḡP°P· PSP° PrPsP±Cf PīP°C†C-C"PS C,P°Pj C-P·
PīPμC†C-PSPePsPIPsCḡ PSPμPrPsCfC,P°C,PS C-CfC,Cḡ. P>C-PeP°Cḡ PīPsPIPēPSPμPS
CfPIP°PḡPSPs PsC†C-PSPēC,Pē C-PSPrPēPIC-PrCfP°P»CHPSC- PīPμCḡPμPIP°PiPē /
CḡPēP·PēPePē PīCḡPēP·PSP°C†PμPSPSCḡ C,P°PrP°P»P°C,,C-P»Cf PI PrPsP·CfPIP°PSPSC- 1
CḡP°P· PSP° PrPsP±Cf.

PμP°C†C-C"PS C,Pē, C...PIPsCḡC- PSP° C†CēPeCḡPsPIPēPNē PrC-P°P±PμC,, AUC
C,P°PrP°P»P°C,,C-P»Cf Cḡ C...PIPsCḡPēC... PSP° PrC-P°P±PμC, P±CfP»P° PīCḡPēP±P»PēP·PSPs
PSP° 19 % PSPēPḡC†P°, PS C-Pḡ AUC Cḡ P·PrPsCḡPsPIPēC... PrPsP±CḡPsPIPsP»CHC†C-PI. PḡCḡ
CḡC-P·PSPēC†Cḡ PI PμPeCfPīPsP·PēC†C-C— PSPμ PīPsC,CḡPμP±CfC"
CḡPμPiCfP»CḡPIP°PSPSCḡ PrPsP·Pē.

РлР»С-РSC-С†РSC- С...Р°СḡР°РeС,РμСḡРēCfC,РēРeРē

PμPsPeP°P·P°PSPSCḡ

P"°P»Cḡ PrPsP·CēPIP°PSPSCḡ 2,5 PjPi. P>C-PeCfPIP°PSPSCḡ PμCḡPμPeC,PēP»CHPSPsC—
PrPēCfC,,CfPSPeC†C-C— Cḡ PrPsCḡPsCfP»PēC... C†PsP»PsPIC-PeC-PI. PḡCḡPμPīP°CḡP°C,
PμC,,PμPeC,PēPIPSPēPNē PīCḡPē PSP°CḡPIPSPsCfC,C- CfPμPeCfCfP°P»CHPSPsC—
CfC,PēPjCfP»CḡC†C-C—.

P"°P»Cḡ PrPsP·CēPIP°PSPSCḡ 5 PjPi. P>C-PeCfPIP°PSPSCḡ CfPēPjPīC,P sPjC-PI
PrPsP±CḡPsCḡPeC-CfPSPsC— PiC-PiPμCḡPīP»P°P·C-C— PīPμCḡPμPrPjC-C...CfCḡPsPIPsC—
P·P°P»PsP·Pē Cḡ PrPsCḡPsCfP»PēC... C†PsP»PsPIC-PeC-PI. P>C-PeCfPIP°PSPSCḡ
PμCḡPμPeC,PēP»CHPSPsC— PrPēCfC,,CfPSPeC†C-C— Cḡ PrPsCḡPsCfP»PēC...
C†PsP»PsPIC-PeC-PI. PḡCḡPμPīP°CḡP°C, PμC,,PμPeC,PēPIPSPēPNē PrP»Cḡ P»C-PeCfPIP°PSPSCḡ
PμCḡPμPeC,PēP»CHPSPsC— PrPēCfC,,CfPSPeC†C-C— PīCḡPē PSP°CḡPIPSPsCfC,C-
CfPμPeCfCfP°P»CHPSPsC— CfC,PēPjCfP»CḡC†C-C—.

P"°P»Cḡ PrPsP·CēPIP°PSPSCḡ 10 PjPi. P>C-PeCfPIP°PSPSCḡ PμCḡPμPeC,PēP»CHPSPsC—
PrPēCfC,,CfPSPeC†C-C— Cḡ PrPsCḡPsCfP»PēC... C†PsP»PsPIC-PeC-PI.
PḡCḡPμPīP°CḡP°C, PμC,,PμPeC,PēPIPSPēPNē PrP»Cḡ P»C-PeCfPIP°PSPSCḡ
PμCḡPμPeC,PēP»CHPSPsC— PrPēCfC,,CfPSPeC†C-C— PīCḡPē PSP°CḡPIPSPsCfC,C-
CfPμPeCfCfP°P»CHPSPsC— CfC,PēPjCfP»CḡC†C-C—.

P"°P»Cḡ PrPsP·CēPIP°PSPSCḡ 20 PjPi. P>C-PeCfPIP°PSPSCḡ PμCḡPμPeC,PēP»CHPSPsC—

PrPëCíC,,CíPSPeC†C-C— Cí PrPsCĤPsCíP»PëC... C‡PsP»PsPIC-PeC-PI. PıCĤPıPıP°CĤP°C,
PıC,,PıPeC,PëPIPSPëPNë PrP»Cı P»C-PeCíPIP°PSPSCı PıCĤPıPeC,PëP»CHPSPsC—
PrPëCíC,,CíPSPeC†C-C— PıCĤPë PSP°CıPIPSPsCíC,C- CíPıPeCíCíP°P»CHPSPsC—
CíC,PëPjCíP»CıC†C-C—.

PŷP°PrP°P»P°C,,C-P» PSPı PıPsPeP°P·P°PSPëPNë PrP»Cı P·P°CíC,PsCíCíPIP°PSPSCı
P¶C-PSPeP°Pj.

PıCĤPsC,PëPıPsPeP°P·P°PSPSCı

PıC-PrPIPëC%PıPSP° C‡CíC,P»PëPIC-CíC,CH PrPs C,P°PrP°P»P°C,,C-P»Cí P°P±Ps PrPs
P±CíPrCH-CıPePsPiPs C-PSC€PsPiPs PePsPjPıPsPSPıPSC,P° PıCĤPıPıP°CĤP°C,Cí.

PJ C...PsPrC- PeP»C-PSC-C‡PSPëC... PrPsCíP»C-PrP¶PıPSCĤ C,P°PrP°P»P°C,,C-P»
PIPëCıPIPëPI PIP»P°CíC,PëPIC-CíC,CH PıPsCíPëP»CĤPIP°C,Pë PıC-PıPsC,PıPSP·PëPIPSPëPNë
PıC,,PıPeC, PSC-C,CĤP°C,C-PI. P°PIP°P¶P°C"C,CHCíCı, C%Ps C†Pı C" PSP°CíP»C-PrPePsPj
PePsPjP±C-PSPsPIP°PSPsPiPs PıPıP»PëPICí PıC,,PıPeC,C-PI PSC-C,CĤP°C,C-PI C,P°
C,P°PrP°P»P°C,,C-P»Cí PSP° C€P»CıC... PsPeCíPëPr P°P·PsC,Cí / C†P°PıPı. PŷP°PePëPj
C‡PëPSPsPj, C,P°PrP°P»P°C,,C-P» PıCĤPsC,PëPıPsPeP°P·P°PSPëPNë PıP°C†C-C"PSC,P°Pj, CıPeC-
P·P°CíC,PsCíPsPICíCĤC,CH PsCĤPıP°PSC-C‡PSC- PSC-C,CĤP°C,Pë Cí P±CíPrCH-CıPeC-PNë
P»C-PeP°CĤCíCHPeC-PNë C,,PsCĤPjC- (PrPëPI. CĤPsP·PrC-P» B«P°P°C"PjPsPrC-Cı P·
C-PSC€PëPjPë P»C-PeP°CĤCíCHPePëPjPë P·P°CíPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë
PIP·P°C"PjPsPrC-PNëB»).

PŷP°PrP°P»P°C,,C-P» PSPı CíP»C-Pr P·P°CíC,PsCíPsPICíPIP°C,Pë C‡PsP»PsPIC-PeP°Pj C-P·
CíPıCĤC†PıPIPëPjPë P·P°C...PIPSCĤCĤPIP°PSPSCıPjPë, PrP»Cı CıPePëC...
CíPıPeCíCíP°P»CHPSP° P°PeC,PëPIPSC-CíC,CH C" PSPıP±P°P¶P°PSPsCĤ. P»C-PeP°CĤC-
PıPsPIPëPSPSC- P·PIP°P¶P°C,Pë PSP° PıPsC,PıPSC†C-PNëPSPëPNë CíPıCĤC†PıPIPëPNë
CĤPëP·PëPe, P°CíPsC†C-PNëPsPIP°PSPëPNë C-P· CíPıPeCíCíP°P»CHPSPsCĤ
P°PeC,PëPIPSC-CíC,CĤ, Cí PıP°C†C-C"PSC,C-PI C-P· CíPıCĤC†PıPIPı-CíCíPrPëPSPSPëPjPë
P·P°C...PIPSCĤCĤPIP°PSPSCıPjPë PI P°PSP°PjPSPıP·C-.

PıPëP¶C‡PıP·P°P·PSP°C‡PıPSC- PıCĤCíPıPë PıP°C†C-C"PSC,C-PI C-P· CíPıCĤC†PıPIPı-
CíCíPrPëPSPSPëPjPë P·P°C...PIPSCĤCĤPIP°PSPSCıPjPë PSPı P±CíP»Pë PıPeP»CĤC‡PıPSC- Cí
PeP»C-PSC-C‡PSC- PrPsCíP»C-PrP¶PıPSPSCı, C,PsPjCí P·P°CíC,PsCíCíPIP°PSPSCı
C,P°PrP°P»P°C,,C-P»Cí PrP»Cı PSPëC... PıCĤPsC,PëPıPsPeP°P·P°PSPı:

- PıP°C†C-C"PSC,Pë P· C-PSC,,P°CĤPeC,PsPj PjC-PsPeP°CĤPrP° PıCĤPsC,CıPiPsPj
PsCíC,P°PSPSC-C... 90 PrPSC-PI;

- PıP°C†C-C"PSC,Pë P· PSPıCíC,P°P±C-P»CHPSPsCĤ CíC,PıPSPsPeP°CĤPrC-C"CĤ P°P±Ps
CíC,PıPSPsPeP°CĤPrC-C"CĤ, C%Ps PıPëPSPëPeP°C" PıC-Pr C‡P°Cí CíC,P°C,PıPIPëC...
P°PeC,C-PI;

- PıP°C†C-C"PSC,Pë C-P· CíPıCĤC†PıPIPıCĤ PSPıPrPsCíC,P°C,PSC-CíC,CĤ, C%Ps
PIC-PrPıPsPIC-PrP°C" PeP»P°CíCí 2 P°P±Ps PIPëC%Pı P·P° PeP»P°CíPëC,,C-PeP°C†C-C"CĤ
PıCHCĤ-P™ PsCĤPeCíCHPePsC— P°CíPsC†C-P°C†C-C— CíPıCĤC†Cı, PıCĤPsC,CıPiPsPj
PsCíC,P°PSPSC-C... 6 PjC-CíCıC†C-PI;

- PıP°C†C-C"PSC,Pë P· PSPıPePsPSC,CĤPsP»CHPsPIP°PSPsCĤ P°CĤPëC,PjC-C"CĤ,
P°CĤC,PıCĤC-P°P»CHPSPsCĤ PıC-PıPsC,PıPSP·C-C"CĤ (‘ 90/50 PjPj CĤC,. CíC,.) P°P±Ps

PSPμPePsPSC, C₇PsP»CH₃PsPIP°PSPsC₇ P°C₇C, P_μC₇C-P°P»CH₃PSPsC₇
PiC-PiPμC₇C, P_μPSP·C-C”C₇;

- PiP°C†C-C”PSC, Pē PiC-C†P»C₇ C-PSC†C†P»CH₃C, C†, C%Ps C†C, P°PIC†C₇ PiC₇PsC, C₇PiPsPj
PsC†C, P°PSPSC-C... 6 PjC-C†C₇C†C-PI.

PŷP°PrP°P»P°C,, C-P» PiC₇PsC, PēPiPsPeP°P·P°PSPēPNē PiP°C†C-C”PSC, P°Pj C-P· PIC, C₇P°C, PsC₇
P·PsC₇C† PsPrPSPsPiPs PsPeP° PI C₇PμP·C†P»CH₃C, P°C, C- PSPμP°C₇C, P_μC₇C-P°P»CH₃PSPsC—
PiPμC₇PμPrPSC₇PsC— C-CēPμPjC-C†PSPsC— PsPiC, PēC†PSPsC— PSPμPNēC₇PsPiP°C, C-C—
(P₆P₆PμP†P₆P₆) PSPμP·P°P»PμP₇PSPs PIC-Pr C, PsPiPs, C†Pē P±C†P»Ps C†Pμ
PiPsPiB₇™ C₇P·P°PSPs P· PiPsPiPμC₇PμPrPSC-Pj PIPiP»PēPIPsPj C-PSPiC-P±C-C, PsC₇C-PI
PαP”P· 5 (PrPēPI. C₇PsP·PrC-P» B«P₆C†PsP±P»PēPIPsC†C, C- P·P°C†C, PsC†C†PIP°PSPSC₇IB»).

PŷC†PiC†C, PSC” P·P°C†C, PsC†C†PIP°PSPSC₇ C-PSPiC-P±C-C, PsC₇C-PI PαP”P· 5, PI C, PsPjC†
C†PēC†P»C- C, P°PrP°P»P°C,, C-P»C†, P·C- C†C, PēPjC†P»C₇C, PsC₇P°PjPē
PiC†P°PSC-P»P°C, C†PēPeP»P°P·Pē, C, P°PePēPjPē C₇Pe C₇C-PsC†PēPiC†P°C,,
PiC₇PsC, PēPiPsPeP°P·P°PSPs, PsC†PeC-P»CH₃PePē PiPsC, PμPSC†C-PNēPSPs C†Pμ PjPsP₇Pμ
PiC₇PēP·PIPμC†C, Pē PrPs C†PēPjPiC, PsPjP°C, PēC†PSPsC— PiC-PiPsC, PμPSP·C-C— (PrPēPI.
C₇PsP·PrC-P» B«P·P·P°C”PjPsPrC-C₇ P· C-PSCēPēPjPē P»C-PeP°C₇C†CH₃PePēPjPē
P·P°C†PsP±P°PjPē C, P° C-PSCēC- PIPēPrPē PIP·P°C”PjPsPrC-PNēB»).

**P’P·P°C”PjPsPrC-C₇ P· C-PSCēPēPjPē P»C-PeP°C₇C†CH₃PePēPjPē P·P°C†PsP±P°PjPē C, P°
C-PSCēC- PIPēPrPē PIP·P°C”PjPsPrC-PNē**

P”PsC†P»C-PrP₇PμPSPSC₇ C%PsPrPs PIP·P°C”PjPsPrC-PNē P±C†P»Ps PiC₇PsPIPμPrPμPSPs
PrP»C₇ PrPsP·C†PIP°PSC₇ 10 PjPi C, P° 20 PjPi, C₇PμP·C†P»CH₃C, P°C, Pē PIPeP°P·P°PSC-
PSPēP₇C†Pμ. P©PsPrPs PrPsC†P»C-PrP₇PμPSC₇ PIP·P°C”PjPsPrC-C—, PI C₇PePēC...
P·P°C†C, PsC†PsPIC†PIP°P»Pē C, C-P»CH₃PePē C, P°PrP°P»P°C,, C-P» C† PrPsP·C- 10 PjPi,
PeP»C-PSC-C†PSPs P·PSP°C†C†C%P° PIP·P°C”PjPsPrC-C₇ PiC₇Pē P·P°C†C, PsC†C†PIP°PSPSC-
PIPēC%PēC... PrPsP· PSPμ PjPsP₇Pμ P±C†C, Pē PIPēPeP»C₇C†PμPSP°.

P’PiP»PēPI C-PSCēPēC... P»C-PeP°C₇C†CH₃PePēC... P·P°C†PsP±C-PI PSP° C, P°PrP°P»P°C,, C-P»

P†PSPiC-P±C-C, PsC₇Pē C†PēC, PsC...C₇PsPjCž CYP450

PŷP°PrP°P»P°C,, C-P» PjPμC, P°P±PsP»C-P·C†C”C, CH₃C†C₇ PiPμC₇PμPIP°P₇PSPs CYP3A4.
PŷPμP»PμPeC, PēPIPSPēPNē C-PSPiC-P±C-C, PsC₇ CYP3A4 B₇” PePμC, P°PePsPSP°P·PsP» (200 PjPi
C%PsPrPμPSPSPs) B₇” P·P±C-P»CH₃CēC†C” AUC C, P°PrP°P»P°C,, C-P»C† (10 PjPi) C† 2 C₇P°P·Pē
C, P° Pŷ_{max} PSP° 15 % C%PsPrPs P·PSP°C†PμPSC₇ AUC C- Pŷ_{max} PsPrPSPsPiPs
C, P°PrP°P»P°C,, C-P»C†. P₆PμC, PsPePsPSP°P·PsP» (400 PjPi PSP° PrPsP±C†) P·P±C-P»CH₃CēC†C”
AUC C, P°PrP°P»P°C,, C-P»C† (20 PjPi) C† 4 C₇P°P·Pē, P° Pŷ_{max} B₇” PSP° 22 %.
P PēC, PsPSP°PIC-C₇, C-PSPiC-P±C-C, PsC₇ PiC₇PsC, PμP°P· (200 PjPi PrPIC-C†C- PSP°
PrPsP±C†), C%Ps C-PSPiC-P±C†C” CYP3A4, CYP2Pŷ9, CYP2Pŷ19 C, P° CYP2D6,
P·P±C-P»CH₃CēC†C” AUC C, P°PrP°P»P°C,, C-P»C† (20 PjPi) C† 2 C₇P°P·Pē, PSPμ
P·PjC-PSC₇C₇C†Pē Pŷ_{max}. P†PsC†P° C†PiPμC†PēC,, C-C†PSC- PIP·P°C”PjPsPrC-C— PSPμ
P±C†P»Pē PrPsC†P»C-PrP₇PμPSC-, C-PSCēC- C-PSPiC-P±C-C, PsC₇Pē PiC₇PsC, PμP°P·Pē,
C, P°PeC- C₇Pe C†P°PePIC-PSP°PIC-C₇ C, P° C-PSCēC- C-PSPiC-P±C-C, PsC₇Pē CYP3A4,
C, P°PeC- C₇Pe PμC₇PēC, C₇PsPjC-C†PēPS, PeP»P°C₇PēC, C₇PsPjC-C†PēPS,
C-C, C₇P°PePsPSP°P·PsP» C, P° PiC₇PμPNēPiC,, C₇C†C, PsPIPēPNē C†C-Pe, C†P»C-Pr
PiC₇PēP·PSP°C†P°C, Pē P· PsP±PμC₇PμP₇PSC-C†C, C₇, PsC†PeC-P»CH₃PePē

PkC-C,CTP°C,Pë. PJ C...PsPrC- PeP»C-PSC-C†PSPëC... PrPsCíP»C-PrP¶PµPSCñ C,P°PrP°P»P°C,,C-P» (5 PjPi, 10 PjPi, 20 PjPi) PiCTPSPC¶PIPI»C¶PI PIP»P°CíC,PëPIC-CíC,CH PiPsCíPëP»CTPIP°C,Pë PiC-PiPsC,PµPSP·PëPIPSC- PµC,,PµPeC,Pë PSC-C,CTP°C,C-PI. PÿP°PePëPj C†PëPSPsPj, P·P°CíC,PsCíCíPIP°PSPSC¶ C,P°PrP°P»P°C,,C-P»Cí PiP°C†C-C"PSC,P°Pj, C¶PeC- PsC,CTPëPjCíCTC,CH P»C-PeCíPIP°PSPSC¶ PsCTPjPi°PSC-C†PSPëPjPë PSC-C,CTP°C,P°PjPë Cí P±CíPrCH-C¶PeC-PNë C,,PsCTPjC-, PiCTPSPC,PëPiPsPeP°P·P°PSPs (PrPëPI. CTSPSP·PrC-P» B«PµCTPSPC,PëPiPsPeP°P·P°PSPSC¶B»). P—P° CTSPµP·CíP»CHC,P°C,P°PjPë PeP»C-PSC-C†PSPsPiPs PrPsCíP»C-PrP¶PµPSPSC¶ P· CíC†P°CíC,CT 150 PiP°C†C-C"PSC,C-PI, C¶PeC- P·P°CíC,PsCíCíPICíPIP°P»Pë C,P°PrP°P»P°C,,C-P» Cí PrPsP·C- 20 PjPi PSP° PrPsP±Cí PiCTPSPC,C¶PiPsPj 7 PrPSC-PI C,P° PSC-C,CTSPSPiP»C-C†PµCTPëPS Cí PrPsP·C- 0,4 PjPi CíCíP±P»C-PSPiPIP°P»CHPSPs (P· CTSC-P·PSPëPj C†P°CíPsPj PiCTPëPNëPsPjCí), C†C¶ PIP·P°C"PjPsPrC-C¶ C,CTPëPIP°P»P° P±C-P»CHC€ PSC-P¶ 24 PiPsPrPëPSPë C,P° PSPµ PiCTPSPC¶PIPI»C¶PI»P°CíCH PiC-CíP»C¶ 48 PiPsPrPëPS PiC-CíP»C¶ P·P°CíC,PsCíCíPIP°PSPSC¶ PsCíC,P°PSPSCHPsC— PrPsP·Pë C,P°PrP°P»P°C,,C-P»Cí. PÿPsPjCí C¶PeC%Ps PrP»C¶ PiP°C†C-C"PSC,P°, C¶PePsPjCí PiCTPëP·PSP°C†PµPSPs C,P°PrP°P»P°C,,C-P» Cí P±CíPrCH-C¶PeC-PNë PrPsP·C- (2,5bTj"20 PjPi), P·P°CíC,PsCíCíPIP°PSPSC¶ PSC-C,CTP°C,C-PI C" PjPµPrPëC†PSPsCT PSPµPsP±C...C-PrPSC-CíC,CT PiCTPë P·P°PiCTSPSP·P»PëPIPsPjCí PrP»C¶ P¶PëC,C,C¶ CíC,P°PSC-, C,Ps PiPµCTSPµPr P·P°CíC,PsCíCíPIP°PSPSC¶Pj PiCTSPµPiP°CTP°C,C-PI PSC-C,CTP°C,C-PI PjP°C" PjPëPSCíC,Pë PSPµ PjPµPSC€Pµ PSC-P¶ 48 PiPsPrPëPS PiC-CíP»C¶ PsCíC,P°PSPSCHPsPiPs PiCTPëPNëPsPjCí C,P°PrP°P»P°C,,C-P»Cí. PJ C,P°PePsPjCí PIPëPiP°PrPeCí P·P°CíC,PsCíCíPIP°PSPSC¶ PSC-C,CTP°C,C-PI PiPsPIPëPSPSPs PIC-PrP±CíPIP°C,PëCíC¶ PiC-Pr PiPëP»CHPSPëPj PjPµPrPëC†PSPëPj PSP°PiP»C¶PrPsPj C-P· PSP°P»PuP¶PSPëPj PjPsPSC-C,PsCTPëPSPiPsPj

PiPμPjPsPrPëPSP°PjC-C‡PSPëC... PiPsPeP°P·PSPëPeC-PI.

*PḥPSC,PëPiC-PiPμCḤC,PμPSP·PëPIPSC- PiCḤPμPiP°CḤP°C,Pë (PI C,PsPjCḥ C‡PëCÍP»C-
P±P»PsPeP°C,PsCḤPë PeP°P»CHC‡C-C''PIPëC... PeP°PSP°P»C-PI)*

PμC-Pr C‡P°CÍ CÍCrPjC-CÍPSPsPiPs PiCḤPëP·PSP°C‡PμPSPSCÍ C,P°PrP°P»P°C,,C-P»Cr (Cr
PrPsP·CÍPIP°PSPSC- 5 PjPi 1 CḤP°P·PSP° PrPsP±CÍ P°P±Ps Cr PIPëPiP»CÍPrC- CḤP°P·PsPIPsC—
PrPsP·Pë PiPs 20 PjPi) C-P·P±P»PsPeP°C,PsCḤPsPj α-P°PrCḤPμPSPsCḤPμC‡PμPiC,PsCḤC-PI
PrPsPeCÍP°P·PsP·PëPSPsPj (4BḤ"8 PjPi PSP° PrPsP±CÍ) CÍPiPsCÍC,PμCḤC-PiP°P»PsCÍCÍ
P·PSP°C‡PSPμ PiPsCÍPëP»PμPSPSCÍ PiC-PiPsC,PμPSP·PëPIPSPsPiPs PμC,,PμPeC,Cr
PsCÍC,P°PSPSCHsPiPs. PiPμPNḥ PμC,,PμPeC, C,CḤPëPIP°C" PrPs 12 PiPsPrPëPS C- PjPsP¶Pμ
PiCḤPsCÍPIP»CÍC,PëCÍCÍ PsPeCḤPμPjPëPjPë CÍPëPjPiC,PsPjP°PjPë, PI C,PsPjCr C‡PëCÍP»C- Cr
PIPëPiP»CÍPrC- P·P°PiP°PjPsCḤPsC‡PμPSPSCÍ. PÿP°PeP° PePsPjP±C-PSP°C‡C-CÍ
PiCḤPμPiP°CḤP°C,C-PI PSPμ CḤPμPePsPjPμPSPCrC"C,CHCÍCÍ PrPs
P·P°CÍC,PsCÍCrPIP°PSPSCÍ (PrPëPI. CḤPsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C-
P·P°CÍC,PsCÍCrPIP°PSPSCÍB»).

Pj C...PsPrC- PrPsCÍP»C-PrP¶PμPSCḤ PIP·P°C"PjPsPrC-C— P·CrC‡P°CÍC,CḤ
PsP±PjPμP¶PμPSPsC— PeC-P»CHPePsCÍC,C- P·PrPsCḤPsPIPëC... PrPsP±CḤPsPIPsP»CHC‡C-PI
PSPμ PiPsPIC-PrPsPjP»CÍP»Pë PiCḤPs PIPëC%PμPIPeP°P·P°PSC- PμC,,PμPeC,Pë PiCḤPë
CÍCrPjC-CÍPSPsPjCr P·P°CÍC,PsCÍCrPIP°PSPSC- P·P°P»C,,CrP·PsP·PëPSPsPj P°P±Ps
C,P°PjCÍCrP»PsP·PëPSPsPj. PÿP»C-Pr P·PsP±PμCḤPμP¶PSC-CÍC,CḤ PiCḤPëP·PSP°C‡P°C,Pë
C,P°PrP°P»P°C,,C-P» PiP°C‡C-C''PSC,P°Pj, CÍPeC- PsC,CḤPëPjCrCḤC,CH P»C-PeCÍPIP°PSPSCÍ
P±CrPrCH-CÍPePëPjPë P±P»PsPeP°C,PsCḤP°PjPë
α-P°PrCḤPμPSPsCḤPμC‡PμPiC,PsCḤC-PI, PsCÍPsP±P»PëPIPs PsCÍPsP±P°Pj P»C-C,PSCHsPiPs
PIC-PeCÍ. P»C-PeCÍPIP°PSPSCÍ CÍP»C-Pr CḤPsP·PiPsC‡PëPSP°C,Pë P·
PjC-PSC-PjP°P»CHPSPsPiPs PrPsP·CÍPIP°PSPSCÍ C,P° PiPsCÍC,CrPiPsPIPs
P·P±C-P»CHC€CÍPIP°C,Pë PrPsP·Cr.

Pj C...PsPrC- PrPsCÍP»C-PrP¶PμPSCḤ PeP»C-PSC-C‡PSPsC— C,,P°CḤPjP°PePsPrPëPSP°PjC-PePë
PIPëPIC‡P°P»Pë PiPsC,PμPSC‡C-P°P» C,P°PrP°P»P°C,,C-P»Cr PiPsCÍPëP»CḤPIP°C,Pë
PiC-PiPsC,PμPSP·PëPIPSC- PμC,,PμPeC,Pë P°PSC,PëPiC-PiPμCḤC,PμPSP·PëPIPSPëC...
PiCḤPμPiP°CḤP°C,C-PI. P''PsCÍP»C-PrP¶CÍPIP°P»Pë PsCÍPSPsPIPSC- PeP»P°CÍPë
PiCḤPμPiP°CḤP°C,C-PI: P±P»PsPeP°C,PsCḤPë PeP°P»CHC‡C-C''PIPëC... PeP°PSP°P»C-PI
(P°PjP»PsPrPëPiC-PS), C-PSPiC-P±C-C,PsCḤPë
P°PSPiC-PsC,PμPSP·PëPSPiPμCḤPμC,PIPsCḤCḤPIP°P»CHPSPsPiPs C,,PμCḤPjPμPSC,Cr
(PμPSP°P»P°PiCḤPëP»), P±P»PsPeP°C,PsCḤPë β-P°PrCḤPμPSPsCḤPμC‡PμPiC,PsCḤC-PI
(PjPμC,PsPiCḤPsP»PsP»), C,C-P°P·PëPrPSC- PrC-CrCḤPμC,PëPePë
(P±PμPSPCrCḤPsC,,P»CrP°P·PëPr) C,P° P±P»PsPeP°C,PsCḤPë CḤPμC‡PμPiC,PsCḤC-PI
P°PSPiC-PsC,PμPSP·PëPSCr II (CḤC-P·PSC- C,PëPiPë C,P° PrPsP·Pë, PsPeCḤPμPjPs C,P° PI
PePsPjP±C-PSP°C‡C-C— P·C,C-P°P·PëPrPSPëPjPë PrC-CrCḤPμC,PëPeP°PjPë,
P±P»PsPeP°C,PsCḤP°PjPë PeP°P»CHC‡C-C''PIPëC... PeP°PSP°P»C-PI, P±P»PsPeP°C,PsCḤP°PjPë
β-P°PrCḤPμPSPsCḤPμC‡PμPiC,PsCḤC-PI C,P°/P°P±Ps P±P»PsPeP°C,PsCḤP°PjPë α-
P°PrCḤPμPSPsCḤPμC‡PμPiC,PsCḤC-PI). PÿP°PrP°P»P°C,,C-P» (Cr PrPsP·C- 10 PjPi, PeCḤC-Pj
PrPsCÍP»C-PrP¶PμPSCḤ PIP·P°C"PjPsPrC-C— P·P±P»PsPeP°C,PsCḤP°PjPë
CḤPμC‡PμPiC,PsCḤC-PI P°PSPiC-PsC,PμPSP·PëPSCr II C,P° P°PjP»PsPrPëPiC-PSCr, PrPμ
PIPëPIC‡P°P»Pë PμC,,PμPeC, PrPsP·Pë 20 PjPi) PSPμ PIPëCÍPIP»CÍPI P·PSP°C‡CrC%PsC—
PIP·P°C"PjPsPrC-C— P·PIPëC%PμP·P°P·PSP°C‡PμPSPëPjPë PeP»P°CÍP°PjPë
P»C-PeP°CḤCÍCHPePëC... P·P°CÍPsP±C-PI. Pj C...PsPrC- C-PSC€PsPiPs
PrPsCÍP»C-PrP¶PμPSPSCÍ PeP»C-PSC-C‡PSPsC— C,,P°CḤPjP°PePsP»PsPiC-C—
PrPsCÍP»C-PrP¶CÍPIP°P»Pë CÍCrPiCÍC,PSC" P·P°CÍC,PsCÍCrPIP°PSPSCÍ

C,P°PrP°P»P°C,,C-P»Cr (PI PrPsP·C- 20 PjPi) P· PrPμPeC-P»CHPePsPjP°
 PiC-PiPsC,PμPSP·PëPIPSpëPjPë PiCtjPμPiP°CtjP°C,P°PjPë (PrPs C±PsC,PëCtjCHPsC...). PJ
 PiP°C†C-C"PSC,C-PI, CμPeC- PiCtjPëPNëPjP°P»Pë PrPμPeC-P»CHPeP°
 P°PSC,PëPiC-PiPμCtjC,PμPSP·PëPIPSpëC... P·P°C†PsP±C-PI, P·PjC-PSPë
 P°CtjC,PμCtjC-P°P»CHbPSPsPiPs C,PëC†PeCr P·P°P»PμP¶P°P»Pë PIC-Pr CtjC-PIPSCI
 PePsPSC,CtjPsP»Ctj P°CtjC,PμCtjC-P°P»CHbPSPsPiPs C,PëC†PeCr. PjP°PePëPj C±PëPSPsPj, Cr
 PiP°C†C-C"PSC,C-PI P· PrPsP±CtjPμ PePsPSC,CtjPsP»CHbPsPiP°PSPsCtj
 P°CtjC,PμCtjC-P°P»CHbPSPsCtj PiC-PiPμCtjC,PμPSP·C-C"Ctj P·PSPëP¶PμPSPSCI
 P°CtjC,PμCtjC-P°P»CHbPSPsPiPs C,PëC†PeCr P±CrP»Ps PSPμP·PSP°C±PSPëPj C,P°
 PIC-PrPiPsPIC-PrP°P»Ps C,P°PePsPjCr Cr P·PrPsCtjPsPiPëC... PrPsP±CtjPsPiPsP»CHbC†C-PI. PJ
 PiP°C†C-C"PSC,C-PI P· PSPμPePsPSC,CtjPsP»CHbPsPiP°PSPsCtj P°CtjC,PμCtjC-P°P»CHbPSPsCtj
 PiC-PiPμCtjC,PμPSP·C-C"Ctj P·PSPëP¶PμPSPSCI P°CtjC,PμCtjC-P°P»CHbPSPsPiPs C,PëC†PeCr
 P±CrP»Ps P±C-P»CHbCëPëPj, C...PsC±P° Cr P±C-P»CHbCëPsC†C,C- C...PIPsCtjPëC... C,P°PePμ
 P·PSPëP¶PμPSPSCI P°CtjC,PμCtjC-P°P»CHbPSPsPiPs C,PëC†PeCr PSPμ
 C†CrPiCtjPsPiPsPrP¶C†PiP°P»PsC†Cμ PiC-PiPsC,PμPSP·PëPIPSpëPjPë C†PëPjPiC,PsPjP°PjPë. PJ
 PiP°C†C-C"PSC,C-PI, CμPeC- PsC,CtjPëPjCrCtjC,CH C†CrPiCrC,PSCH C,PμCtjP°PiC-Ctj
 P°PSC,PëPiC-PiPμCtjC,PμPSP·PëPIPSpëPjPë P»C-PeP°CtjC†CHPePëPjPë P·P°C†PsP±P°PjPë,
 P·P°C†C,PsC†CrPiP°PSPSCI C,P°PrP°P»P°C,,C-P»Cr PI PrPsP·C- 20 PjPi PjPsP¶Pμ
 PiCtjPëP·PIPsPrPëC,Pë PrPs P·PSPëP¶PμPSPSCI P°CtjC,PμCtjC-P°P»CHbPSPsPiPs C,PëC†PeCr,
 CμPePμ (PeCtjC-Pj PiPëPiP°PrPeCr C†CrPiCrC,PSCHbPsPiPs P·P°C†C,PsC†CrPiP°PSPSCI P·
 P±P»PsPeP°C,PsCtjP°PjPë α-P°PrCtjPμPSPsCtjPμC†PμPiC,PsCtjC-PI) P·P°PiP°P»PsPj C"
 PSPμP·PSP°C±PSPëPj C,P° PeP»C-PSC-C±PSPs PSPμP·PSP°C±CrC%PëPj. PhPSP°P»C-P·
 PrP°PSPëC... C,CtjPμC,CHPsC— C,,P°P·Pë PeP»C-PSC-C±PSPsPiPs PrPsC†P»C-PrP¶PμPSPSCI
 PSPμ PiPëCμPiPëPi CtjC-P·PSPëC†C- Cr PiPsP±C-C±PSPëC... CtjPμP°PeC†C-CμC..., C%Ps
 PiPëPSPëPeP°P»Pë Cr PiP°C†C-C"PSC,C-PI, CμPeC- PsC,CtjPëPjCrPiP°P»Pë
 P»C-PeCrPiP°PSPSCI C,P°PrP°P»P°C,,C-P»PsPj C-P· C†CrPiCrC,PSCH-Pj
 P·P°C†C,PsC†CrPiP°PSPSCI Pj P°PSC,PëPiC-PiPμCtjC,PμPSP·PëPIPSpëC... P·P°C†PsP±C-PI C,P°
 P»C-PeCrPiP°PSPSCI C,C-P»CHbPePë C,P°PrP°P»P°C,,C-P»PsPj. PkPμP·PiP°P¶P°CtjC±Pë PSP°
 C†Pμ, PSPμPsP±C...C-PrPSPs PSP°PrP°PiP°C,Pë PIC-PrPiPsPIC-PrPSC-
 CtjPμPePsPjPμPSPPrP°C†C-C— C%PsPrPs PjPsP¶P»PëPIPsPiPs P·PSPëP¶PμPSPSCI
 P°CtjC,PμCtjC-P°P»CHbPSPsPiPs C,PëC†PeCr PiP°C†C-C"PSC,P°Pj, CμPeC-
 P»C-PeCrCtjC,CHC†Cμ PiC-PiPsC,PμPSP·PëPIPSpëPjPë P»C-PeP°CtjC†CHPePëPjPë
 P·P°C†PsP±P°PjPë C,P° C,P°PrP°P»P°C,,C-P»PsPj.

P C-PsC†PëPiCâP°C,

PJ C...PsPrC- PrPsPeP»C-PSC-C±PSPëC... PrPsC†P»C-PrP¶PμPSCH P±CrPI
 PiPëCμPiP»PμPSPëPNë P°PrPëC,PëPIPSpëPNë PiC-PiPsC,PμPSP·PëPIPSpëPNë PμC,,PμPeC, PiCtjPë
 C†CrPiCrC,PSCHbPsPjCr PiCtjPëPNëPsPjC- C-PSPiC-P±C-C,PsCtjC-PI PαP"P· 5 P·
 CtjC-PsC†PëPiCrP°C,PsPj. PJ C...PsPrC- PeP»C-PSC-C±PSPëC... PrPsC†P»C-PrP¶PμPSCH
 P±CrP»Ps PiPëCμPiP»PμPSPs, C%Ps CtjC-PsC†PëPiCrP°C, PiPsC†PëP»CtjC"
 PiC-PiPsC,PμPSP·PëPIPSpëC PrC-Ctj C-PSPiC-P±C-C,PsCtjC-PI PαP"P· 5. PkPμ P±CrP»Ps
 PrPsPeP°P·C-PI C†PiCtjPëCμC,P»PëPIPsPiPs PeP»C-PSC-C±PSPsPiPs PμC,,PμPeC,C† C†C-C"C—
 PePsPjP±C-PSP°C†C-C— Cr PrPsC†P»C-PrP¶C†PiP°PSC-PNë PiPsPiCrP»CμC†C-C—.
 PjC†PiCrC,PSCH P·P°C†C,PsC†CrPiP°PSPSCI CtjC-PsC†PëPiCrP°C,C† P·
 C-PSPiC-P±C-C,PsCtjP°PjPë PαP"P· 5, PI C,PsPjCr C±PëC†P»C- P· C,P°PrP°P»P°C,,C-P»PsPj,

PhP»PePsPiPsP»CHb (CfPmCTjPmPrPSCl PjP°PeCfPëPjP°P»CHbPSP° PePsPSC†PmPSC,CTjP°C†C-Cl 0,08 %) PSPm PIPiP»PëPIP°PI PSP° CfCfPiCfC,PSC” P·P°CfC,PScfCfPIP°PSPSCl C,P°PrP°P»P°C,,C-P»Cf (PI PrPsP·C- 10 P°P±Ps 20 PjPi). PÿP°PePsP¶ PSPm CfPiPsCfC,PmCTjC-PIP°P»PsCfCl P·PjC-PS PePsPSC†PmPSC,CTjP°C†C-C— C,P°PrP°P»P°C,,C-P»Cf PiCTjPsC,ClPiPsPj PSP°CfC,CfPiPSPëC... 3 PiPsPrPëPS PiC-CfP»Cl PsPrPSPsC†P°CfPSPsPiPs PiCTjPëPmPsPjCf P°P»PePsPiPsP»Cf P· C,P°PrP°P»P°C,,C-P»PsPj. PhP»PePsPiPsP»CHb P·P°CfC,PScfPsPICfPIP°P»Pë C,P°PePëPj C†PëPSPsPj, C%PsP± PrPsCfClPiPSCfC,Pë PjP°PeCfPëPjP°P»CHbPSPsPiPs CTjC-PIPSCl P°P±CfPsCTjP±C†C-C— P°P»PePsPiPsP»Cf

(PīCḥPēPNēPsPj PSP°C,C%oPμ PīC-ClP»Cḥ PSC-C†PSPsPiPs PiPsP»PsPrCfPIP°PSPSCḥ C,P° P±PμP· PīCḥPēPNēPsPjCf C—P¶C- PīCḥPsC,CḥPiPsPj 2 PiPsPrPēPS PīC-ClP»Cḥ PIP¶PēPIP°PSPSCḥ P°P»PePsPiPsP»Cḥ). PḥCḥPēPNēPsPj C,P°PrP°P»P°C,,C-P»Cf (PI PrPsP·C- 20 PjPi) PSPμ PīCḥPēP·PIPsPrPēPI PrPs ClC,P°C,PēClC,PēC†PSPs P·PSP°C†CfC%oPsPiPs P·PSPēP¶PμPSPSCḥ ClPμCḥPμPrPSC-C... P·PSP°C†PμPSCḥ P°CḥC,PμCḥC-P°P»CḥPSPsPiPs C,PēClPēCf PSP° C,P»C- PIP¶PēPIP°PSPSCḥ P°P»PePsPiPsP»Cḥ (0,7 Pi/PePi P°P±Ps PīCḥPēP±P»PēP·PSPs 180 PjP» 40 % P°P»PePsPiPsP»Cḥ (PiPsCḥC-P»PePē) C†PsP»PsPIC-PePsPj P· PjP°ClPscC C,C-P»P° 80 PePi), PīCḥPsC,Pμ Cf PrPμCḥPePēC... PīP°C†C-C”PSC,C-PI ClPīPsClC,PμCḥC-PiP°P»PsClCḥ PīPsClC,CfCḥP°P»CḥPSPμ P·P°PīP°PjPsCḥPsC†PμPSPSCḥ C- PsCḥC,PsClC,P°C,PēC†PSP° PiC-PīPsC,PμPSP·C-Cḥ. PḥCḥPēPNēPsPj C,P°PrP°P»P°C,,C-P»Cf PSP° C,P»C- PSPēP¶C†PēC... PrPsP· P°P»PePsPiPsP»Cḥ (0,6 Pi/PePi) PSPμ ClPīCḥPēC†PēPSCḥPI P°CḥC,PμCḥC-P°P»CḥPSPsC— PiC-PīPsC,PμPSP·C-C—, P° P·P°PīP°PjPsCḥPsC†PμPSPSCḥ ClPīPsClC,PμCḥC-PiP°P»PsClCḥ P· C,C-C”Cḥ P¶ C†P°ClC,PsC,PsCḥ, C%oPs PNē PīCḥPē PīCḥPēPNēPsPjC- C,C-P»CḥPePē P°P»PePsPiPsP»Cḥ. P’PīP»PēPI P°P»PePsPiPsP»Cḥ PSP° PīC-P·PSP°PIP°P»CḥPSC- C,,CfPSPeC†C-C— PSPμ PīPsClPēP»CḥPIP°PICfCḥ PīCḥPē ClCfPīCfC,PsCḥPsPjCf P·P°CfC,PsClCfPIP°PSPSC- C,P°PrP°P»P°C,,C-P»Cf (PI PrPsP·C- 10 PjPi).

P>C-PeP°CḥClCḥPeC- P·P°ClPsP±Pē, C%oPs PjPμC,P°P±PsP»C-P·CḥC,CḥClCḥ P· CḥC†P°CfC,Cḥ C†PēC,PsC...CḥPsPjCḥ P 450

PkPμ PsC†C-PeCfC”C,CḥClCḥ, C%oPs C,P°PrP°P»P°C,,C-P» ClPīCḥPēC†PēPSCḥC,PēPjPμ PeP»C-PSC-C†PSPs P·PSP°C†CfC%oPμ C-PSPiC-P±CfPIP°PSPSCḥ P°P±Ps C-PSPrCfPeCfPIP°PSPSCḥ PeP»C-CḥPμPSCfCf P»C-PeP°CḥClCḥPePēC... P·P°ClPsP±C-PI, C%oPs PjPμC,P°P±PsP»C-P·CfCḥC,CḥClCḥ C-P·PsC,,PsCḥPjP°PjPē CYP450. Pj C...PsPrC- PeP»C-PSC-C†PSPēC... PrPsClP»C-PrP¶PμPSCḥ P±CfP»Ps PrPsPIPμPrPμPSPs, C%oPs C,P°PrP°P»P°C,,C-P» PSPμ C-PSPiC-P±CfC” C- PSPμ C-PSPrCfPeCfC” C-P·PsC,,PsCḥPjPē CYP450, PI C,.. C†. CYP3Pḥ4, CYP1Pḥ2, CYP2D6, CYP2E1, CYP2C9 C,P° CYP2C19.

CYP2Pḥ9 ClCḥP±ClC,CḥP°C,Pē (PSP°PīCḥPēPeP»P°Pr, R-PIP°CḥC,,P°CḥPēPS)

PḥP°PrP°P»P°C,,C-P» (Cf PrPsP·C- 10 PjPi C,P° 20 PjPi) PSPμ PjP°PI PeP»C-PSC-C†PSPs P·PSP°C†CfC%oPsPiPs PμC,,PμPeC,Cf PSP° AUC S-PIP°CḥC,,P°CḥPēPSCf P°P±Ps R-PIP°CḥC,,P°CḥPēPSCf (CYP2Pḥ9 ClCfP±ClC,CḥP°C,Pē), P° C,P°PePsP¶ PSPμ PjP°PI PIPiP»PēPICf PSP° PīCḥPsC,CḥPsPjP±C-PSPsPIPēPNē C†P°Cl, C-PSPrCfPePsPIP°PSPēPNē PIP°CḥC,,P°CḥPēPSPsPj.

PḥC†PμC,PēP»ClP°P»C-C†PēP»PsPIP° PePēClP»PsC,P°

PḥP°PrP°P»P°C,,C-P» (Cf PrPsP·C- 10 PjPi C,P° 20 PjPi) PSPμ PīPsC,PμPSC†C-CḥPIP°PI P·P±C-P»CḥC€PμPSPSCḥ C†P°ClCf PeCḥPsPIPsC,PμC†C-, ClPīCḥPēC†PēPSPμPSPsC— P°C†PμC,PēP»ClP°P»C-C†PēP»PsPIPsCḥ PePēClP»PsC,PsCḥ.

PμCḥPsC,PēPrC-P°P±PμC,PēC†PSC- P»C-PeP°CḥClCḥPeC- P·P°ClPsP±Pē

PḥPīPμC†PēC,,C-C†PSPēC... PrPsClP»C-PrP¶PμPSCḥ PIP·P°C”PjPsPrC-C— C,P°PrP°P»P°C,,C-P»Cf C-P· PīCḥPsC,PēPrC-P°P±PμC,PēC†PSPēPjPē P»C-PeP°CḥClCḥPePēPjPē P·P°ClPsP±P°PjPē PSPμ PīCḥPsPIPsPrPēP»Pē.

PḥClPsP±P»PēPIPsClC,C- P·P°CfC,PsClCḥPIP°PSPSCḥ

*PμPμCḡPμPr PīPsC‡P°C,PePsPj P»C-PeCżPIP°PSPSCḡ PīCḡPμPīP°CḡP°C,PsPj PḡP°PeCḡC-PīCḡP°
P”CḡP°PNēPI*

PμPμCḡPμPr P·P°CḡC,PsCḡCḡPIP°PSPSCḡPj PīCḡPμPīP°CḡP°C,Cḡ P»C-PeP°CḡCḡ CḡP»C-Pr
P·C-P±CḡP°C,Pē PjPμPrPēC‡PSPēPNē P°PSP°PjPSPμP· C- PīCḡPsPIPμCḡC,Pē
PsP±CḡC,PμPḡPμPSPSCḡ C,,C-P·PēC‡PSPsPiPs CḡC,P°PSCḡ PīP°C‡C-C”PSC,P°,
PIPēP·PSP°C‡PēC,Pē PīPsC,PμPSC‡C-PNēPSC- PīPμCḡCēPsPīCḡPēC‡PēPSPē
PμCḡPμPeC,PēP»CHBPSPsC— PrPēCḡC,,CḡPSPeC‡C-C— C- PrPsP±CḡPsCḡPeC-CḡPSPsC—
PīC-PīPμCḡPīP»P°P·C-C— PīPμCḡPμPrPjC-C...CḡCḡPsPIPsC— P·P°P»PsP·Pē C,P°
PīCḡPēP·PSP°C‡PēC,Pē PIC-PrPīPsPIC-PrPSPēPNē PeCḡCḡCḡ P»C-PeCḡPIP°PSPSCḡ.

PμPμCḡPμPr PīPsC‡P°C,PePsPj P±CḡPrCH-CḡPePsPiPs P»C-PeCḡPIP°PSPSCḡ
PμCḡPμPeC,PēP»CHBPSPsC— PrPēCḡC,,CḡPSPeC‡C-C— P»C-PeP°CḡC- PīPsPIPēPSPSC-
P·PIP°PḡP°C,Pē PSP° CḡC,P°PS CḡPμCḡC‡PμPIPps-CḡCḡPrPēPSPSPsC— CḡPēCḡC,PμPjPē
CḡPIPpsC—C... PīP°C‡C-C”PSC,C-PI, PsCḡPeC-P»CHPePē C-CḡPSCḡC” PīPμPIPSPēPNē
CḡC,CḡPīC-PSCḡ CḡPμCḡC‡PμPIPpsPiPs CḡPēP·PēPeCḡ, P°CḡPsC‡C-PNēPsPIP°PSPēPNē C-P·
CḡPμPeCḡCḡP°P»CHBPSPsCḡ P°PeC,PēPIPSC-CḡC,Cḡ. PŷP°PrP°P»P°C,,C-P» PIPēCḡPIP»CḡC”
CḡCḡPrPēPSPsCḡPsP·CēPēCḡCḡPIP°P»CHBPSPēPNē PμC,,PμPeC,, C%Ps PjPsPḡPμ
PīCḡPēP·PIPpsPrPēC,Pē PrPs PSPμP·PSP°C‡PSPsPiPs C,P° C,CḡP°PSP·PēC,PsCḡPSPsPiPs
P·PSPēPḡPμPSPSCḡ P°CḡC,PμCḡC-P°P»CHBPSPsPiPs C,PēCḡPeCḡ (PrPēPI. CḡPsP·PrC-P»
B«PαP°CḡPjP°PePsP»PsPiC-C‡PSC- PIP»P°CḡC,PēPIPpsCḡC,C-B») C,P°
PīPsC,PμPSC‡C-CḡPIP°PSPSCḡ PīC-PīPsC,PμPSP·PēPIPSPsPiPs PμC,,PμPeC,Cḡ PSC-C,CḡP°C,C-PI
(PrPēPI. CḡPsP·PrC-P» B«PμCḡPsC,PēPīPsPeP°P·P°PSPSCḡB»).

PμPμCḡPμPr PīPsC‡P°C,PePsPj C,PμCḡP°PīC-C— C,P°PrP°P»P°C,,C-P»PsPj CḡPēPjPīC,PsPjC-PI
PrPsP±CḡPsCḡPeC-CḡPSPsC— PīC-PīPμCḡPīP»P°P·C-C— PīPμCḡPμPrPjC-C...CḡCḡPsPIPpsC—
P·P°P»PsP·Pē PSPμPsP±C...C-PrPSPs PsP±CḡC,PμPḡPēC,Pē PīP°C‡C-C”PSC,P° PrP»Cḡ
PIPēPeP»CḡC‡PμPSPSCḡ PjPsPḡP»PēPIPpsC— PeP°CḡC‡PēPSPsPjPē
PīPμCḡPμPrPjC-C...CḡCḡPsPIPpsC— P·P°P»PsP·Pē C,P° CḡPμC,PμP»CHBPSPs PsC‡C-PSPēC,Pē
CḡC,P°PS CḡPμCḡC‡PμPIPps-CḡCḡPrPēPSPSPsC— CḡPēCḡC,PμPjPē (PrPēPI. CḡPsP·PrC-P»
B«PμCḡPsC,PēPīPsPeP°P·P°PSPSCḡB»).

PḡC‡C-PSPeP° PμCḡPμPeC,PēP»CHBPSPsC— PrPēCḡC,,CḡPSPeC‡C-C— PīPsPIPēPSPSP°
PIPēP»CḡC‡P°C,Pē PIPēP·PSP°C‡PμPSPSCḡ PīPsC,PμPSC‡C-PNēPSPsC—
PīPμCḡCēPsPīCḡPēC‡PēPSPē C,P° C—C— PSP°P»PμPḡPSPμ P»C-PeCḡPIP°PSPSCḡ PīC-CḡP»Cḡ
PIC-PrPīPsPIC-PrPSPsPiPs PjPμPrPēC‡PSPsPiPs PsP±CḡC,PμPḡPμPSPSCḡ. PḡPμPIC-PrPsPjPs,
C‡Pē C” PμC,,PμPeC,PēPIPSPēPj C,P°PrP°P»P°C,,C-P» PrP»Cḡ PīP°C‡C-C”PSC,C-PI, CḡPeC-
PīPμCḡPμPSPμCḡP»Pē PsPīPμCḡP°C‡C-Cḡ PSP° C,P°P·PsPIPēC... PeC-CḡC,PeP°C... P°P±Ps
CḡP°PrPēPeP°P»CHBPSCḡ PīCḡPsCḡC,P°C,PμPeC,PsPjC-Cḡ P±PμP· P·P±PμCḡPμPḡPμPSPSCḡ
PSPμCḡPIC-PI.

PŷPμCḡC‡PμPIPps-CḡCżPrPēPSPSP° CḡPēCḡC,PμPjP°

Pj PīPsCḡC,PjP°CḡPePμC,PēPSPiPsPIPēPNē PīPμCḡC-PsPr C,P°/P°P±Ps Cḡ C...PsPrC-
PeP»C-PSC-C‡PSPēC... PrPsCḡP»C-PrPḡPμPSCḡ PīPsPIC-PrPsPjP»CḡP»Pē PīCḡPs
CḡPμCḡPNēPsP·PSC- CḡPIPēC%P° P· P±PsPeCḡ CḡPμCḡC‡PμPIPps-CḡCḡPrPēPSPSPsC—
CḡPēCḡC,PμPjPē, PI C,PsPjCḡ C‡PēCḡP»C- PīCḡPs C-PSC,,P°CḡPeC, PjC-PsPeP°CḡPrP°,
CḡP°PīC,PsPICḡ CḡPμCḡC‡PμPICḡ CḡPjPμCḡC,CH, PSPμCḡC,P°P±C-P»CHBPSCḡ
CḡC,PμPSPsPeP°CḡPrC-Cḡ, CēP»CḡPSPsC‡PePsPICḡ P°CḡPēC,PjC-Cḡ, PīPsCḡCḡCēPμPSPSCḡ
PjPsP·PePsPIPpsPiPs PeCḡPsPIPpsPsP±C-PiCḡ, C,CḡP°PSP·PēC,PsCḡPSCḡ C-CēPμPjC-C‡PSCḡ
P°C,P°PeCḡ, P±C-P»CH Cḡ PīCḡCḡPrCḡC..., PīCḡPēCḡPePsCḡPμPSPμ CḡPμCḡC‡PμP±PēC,C,Cḡ
C,P° C,P°C...C-PeP°CḡPrC-Cḡ. P’C-P»CHCēC-CḡC,CH PīP°C‡C-C”PSC,C-PI, Cḡ CḡPePēC...

СГРiPcCГC, PμCГC-PiP°P»PëCГCЦ C, P°PeC- PïPsP±C-C±PSC- CГPμP°PeCГC-C—, PjP°P»Pë
C,, P°PeC, PsCГPë CГPëP·PëPeCГ P· P±PsPeCГ CГPμCГCГPμPIPs-CГCГPPrPëPSPSPsC—
CГPëCГC, PμPjPë PI P°PSP°PjPSPμP·C-. PJ C, PsP№ P¶Pμ C±P°CГ PSP°CГP°P·C-
PSPμPjPsP¶P»PëPIPs C, PsC±PSPs PICГC, P°PSPsPIPëC, Pë, C±Pë PIPëC%oPμPIPeP°P·P°PSC-
CЦPIPëC%oP° PïPsPIBГ™ CЦP·P°PSC- C-P· C,, P°PeC, PsCГP°PjPë CГPëP·PëPeCГ,
P·P°CГC, PsCГCГPIP°PSPSCЦPj C, P°PrP°P»P°C,, C-P»CГ, CГPμPeCГCГP°P»CHBSPsCГ
P°PeC, PëPIPSC-CГC, CГ PïP°CГC-C°PSC, C-PI P°P±Ps P· PePsPjP±C-PSP°CГC-C°CГ CГPëC... C±Pë
C-PSCëPëC... C,, P°PeC, PsCГC-PI.

PJ PïP°CГC-C°PSC, C-PI, CЦPeC- PsC, CГPëPjCГCГC, CH CГCГPïCГC, PSC° P»C-PeCГPIP°PSPSCЦ
P°PSC, PëPiC-PiPμCГC, PμPSP·PëPIPSPëPjPë P·P°CГPsP±P°PjPë, C, P°PrP°P»P°C,, C-P» PjPsP¶Pμ
PïPsCГPëP»PëC, Pë P·PSPëP¶PμPSPSCЦ P°CГC, PμCГC-P°P»CHBSPsPiPs C, PëCГPeCГ. PïPeC%oPs
CГPsP·PïPsC±P°C, Ps C%oPsPrPμPSPSCГ C, PμCГP°PiC-CГ C, P°PrP°P»P°C,, C-P»PsPj, CГP»C-Pr
CГPsP·PiP»CЦPSCГC, Pë PeP»C-PSC-C±PSCГ PSPμPsP±C...C-PrPSC-CГC, CH PïC-PrP±PsCГCГ
PrPsP·Pë P°PSC, PëPiC-PiPμCГC, PμPSP·PëPIPSPsC— C, PμCГP°PiC-C—.

PкPμPsP±C...C-PrPSPs P· PsP±PμCГPμP¶PSC-CГC, CГ PïCГPëP·PSP°C±P°C, Pë
C, P°PrP°P»P°C,, C-P» PïP°CГC-C°PSC, P°Pj, CЦPeC- PïCГPëP№PjP°CГC, CH α₁-
P±P»PsPeP°C, PsCГPë, C, PsPjCГ C%oPs CГ PrPμCЦPePëC... C...PIPsCГPëC...
PsPrPSPsC±P°CГPSPëP№ PïCГPëP№PsPj CГPëC... PïCГPμPïP°CГP°C, C-PI PjPsP¶Pμ
PïCГPëP·PIPμCГC, Pë PrPs CГPëPjPiC, PsPjP°C, PëC±PSPsC— PiC-PïPsC, PμPSP·C-C— (PrPëPI.
CГPsP·PrC-P» B«P·P·P°C°PjPsPrC-CЦ P· C-PSCëPëPjPë P»C-PeP°CГCГCHBPePëPjPë
P·P°CГPsP±P°PjPë C, P° C-PSCëC- PIPëPrPë PIP·P°C°PjPsPrC-P№B»). PкPμ
CГPμPePsPjPμPSPPrCГC°C, CHCГCЦ PePsPjP±C-PSPsPIP°PSPμ P·P°CГC, PsCГCГPIP°PSPSCЦ
C, P°PrP°P»P°C,, C-P»CГ C, P° PrPsPeCГP°P·PsP·PëPSCГ.

PhCГPiP°PSPë P·PsCГCз

PμPsPIC-PrPsPjP»CЦP»Pë PïCГPs PIPëPiP°PrPePë PïPsPiC-CГCëPμPSPSCЦ P·PsCГCГ, PI C, PsPjCГ
C±PëCГP»C- PïCГPs CГPμPSC, CГP°P»CHBPSCГ CГPμCГPsP·PSCГ
C...PsCГC-PsCГPμC, PëPSPsPiP°C, C-CГ (PïPÿГ Pμ), C, P° PSPμP°CГC, PμCГC-P°P»CHBPSCГ
PiPμCГPμPrPSCГ C-CëPμPjC-C±PSCГ PsPiC, PëC±PSCГ PSPμP№CГPsPiP°C, C-CГ (PкPhPμPГPhPк)
PiC-Pr C±P°CГ P·P°CГC, PsCГCГPIP°PSPSCЦ C, P°PrP°P»P°C,, C-P»CГ C, P° C-PSCëPëC...
C-PSPiC-P±C-C, PsCГC-PI PαP°P· 5. PJ P±C-P»CHCëPsCГC, C- PIPëPiP°PrPeC-PI
CГPëPjPiC, PsPjPë PïPÿГ Pμ CГPïPsPSC, P°PSPSPs P·PSPëPeP°P»Pë PiC-CГP»CЦ
PïCГPëPiPëPSPμPSPSCЦ PïCГPëP№PsPjCГ C, P°PrP°P»P°C,, C-P»CГ. PhPSP°P»C-P· PrP°PSPëC...
PsP±CμCГPIP°CГC-P№PSPëC... PrPsCГP»C-PrP¶PμPSCH PïPsPeP°P·P°PI
PiC-PrPIPëC%oPμPSPSCЦ CГPëP·PëPeCГ CГPsP·PIPëC, PeCГ PiPsCГC, CГPsC— PкPhPμPГPhPк CГ
C±PsP»PsPIC-PeC-PI P· PμCГPμPeC, PëP»CHBSPsCГ PrPëCГC,, CГPSPeCГC-C°CГ PiC-CГP»CЦ
P·P°CГC, PsCГCГPIP°PSPSCЦ C, P°PrP°P»P°C,, C-P»CГ P°P±Ps C-PSCëPëC...
C-PSPiC-P±C-C, PsCГC-PI PαP°P· 5. PhCГPeC-P»CHBPePë PiC-PrPIPëC%oPμPSPSCЦ C, P°PePsPiPs
CГPëP·PëPeCГ PjPsP¶P»PëPIPμ CГ PICГC-C... PïP°CГC-C°PSC, C-PI, CЦPeC-
P·P°CГC, PsCГPsPICГCГC, CH C, P°PrP°P»P°C,, C-P», P»C-PeP°CГ PïPsPIPëPSPμPS
PïPsPiPμCГPμPrPëC, Pë PïP°CГC-C°PSC, P° PïCГPs PSPμPsP±C...C-PrPSC-CГC, CH
PSPμPiP°P№PSPsPiPs PïCГPëPiPëPSPμPSPSCЦ P·P°CГC, PsCГCГPIP°PSPSCЦ
C, P°PrP°P»P°C,, C-P»CГ C, P° P·PIPμCГPSPμPSPSCЦ P·P° PjPμPrPëC±PSPsCГ PrPsPiPsPjPsPiPsCГ
CГ CГP°P·C- CГP°PiC, PsPIPsC— PIC, CГP°C, Pë P·PsCГCГ, PïPsCГCГCëPμPSPSCЦ
PiPsCГC, CГPsC, Pë P·PsCГCГ C, P°/P°P±Ps CГPïPsC, PIPsCГPμPSPSCЦ P·PsCГCГ (PrPëPI.
CГPsP·PrC-P» B«PμCГPsC, PëPiPsPeP°P·P°PSPSCЦB»).

PμPsPiC-CГCëPμPSPSCЦ P°P±Ps CГP°PiC, PsPIP° PIC, CГP°C, P° CГP»CзC...Cз

PŸCžPİCžC,PSC” P·P°CİC,PsCİCžPIP°PSPSCİ P· C-PSPİC-P±C-C,PsCŦP°PjPë CYP3A4

PkPµPsP±C...C-PrPSPs P· PsP±PµCŦPµP¶PSC-CİC,CH PİCŦPëP·PSP°C±P°C,Pë
C,P°PrP°P»P°C,,C-P» PİP°C†C-C”PSC,P°Pj, CİPeC- P·P°CİC,PsCİPsPICrCŦC,CH
C-PSPİC-P±C-C,PsCŦPë CYP3A4 (CŦPëC,PsPSP°PIC-CŦ, CİP°PePIC-PSP°PIC-CŦ,
PePµC,PsPePsPSP°P·PsP», C-C,CŦP°PePsPSP°P·PsP», PµCŦPëC,CŦPsPjC-C†PëPS),
PsCİPeC-P»CHPePë PİCŦPë CİC†PjC-CİPSPsPjC† P·P°CİC,PsCİC†PIP°PSPSC- P·
C,P°PrP°P»P°C,,C-P»PsPj CİPİPsCİC,PµCŦC-PİP°C”C,CHCİCİ P·P±C-P»CHCëPµPSPSCİ AUC
C,P°PrP°P»P°C,,C-P»C† (PrPëPI. CŦPsP·PrC-P» B«P’P·P°C”PjPsPrC-Cİ P· C-PSCëPëPjPë
P»C-PeP°CŦCİCHPePëPjPë P·P°CİPsP±P°PjPë C,P° C-PSCëC- PİPëPrPë PIP·P°C”PjPsPrC-PNëB»).

*PŸCžPİCžC,PSC” P·P°CİC,PsCİCžPIP°PSPSCİ P· C-PSCëPëPjPë
P»C-PeP°CŦCİCHPePëPjPë P·P°CİPsP±P°PjPë PrP»Cİ P»C-PeCžPIP°PSPSCİ
PµCŦPµPeC,PëP»CHPSPsC— PrPëCİC,,CžPSPeC†C-C—*

P’PµP·PİPµC±PSC-CİC,CH C,P° PµC,,PµPeC,PëPIPSC-CİC,CH
P·P°CİC,PsCİC†PIP°PSPSCİ C,P°PrP°P»P°C,,C-P»C† PI PePsPjP±C-PSP°C†C-C— P·
C-PSCëPëPjPë C-PSPİC-P±C-C,PsCŦP°PjPë P»P”P· 5 P°P±Ps C-PSCëPëPjPë
P»C-PeP°CŦCİCHPePëPjPë P·P°CİPsP±P°PjPë PrP»Cİ P»C-PeC†PIP°PSPSCİ
PµCŦPµPeC,PëP»CHPSPsC— PrPëCİC,,C†PSPeC†C-C— PSPµ
PrPsCİP»C-PrP¶C†PIP°P»Pë, C,PsPjC† PSPµPsP±C...C-PrPSPs C-PSC,,PsCŦPjC†PIP°C,Pë
PİP°C†C-C”PSC,C-PI PİCŦPs C,Pµ, C%Ps PSPµ CİP»C-Pr PİCŦPëPNëPjP°C,Pë
C,P°PrP°P»P°C,,C-P» C† PİPsPrC-P±PSPëC... PePsPjP±C-PSP°C†C-CİC....

P»P°PeC,PsP·P°

PµCŦPµPİP°CŦP°C, PjC-CİC,PëC,CH P»P°PeC,PsP·Pë PjPsPSPsPiC-PrCŦP°C,,
P»C-PeP°CŦCİCHPePëPNë P·P°CİC-P± P»P°PeCİC-PİCŦP° P”CŦP°PNëPI PSPµ CİP»C-Pr
PİCŦPëP·PSP°C±P°C,Pë PİP°C†C-C”PSC,P°Pj C-P· CŦC-PrPeC-CİPSPëPjPë CİPİP°PrPePsPIPëPjPë
C,,PsCŦPjP°PjPë PSPµPİPµCŦPµPSPsCİPëPjPsCİC,C- PİP°P»P°PeC,PsP·Pë, CİPëPSPrCŦPsPjPsPj
PİP»CŦPePsP·Ps-PİP°P»P°PeC,PsP·PSPsC— PjP°P»CHP°P±CİPsCŦP±C†C-C— C,P°
PrPµC,,C-C†PëC,PsPj P»P°PeC,P°P·Pë P»P°PİPİP°.

PkP°C,CŦC-PNë

1 C,P°P±P»PµC,PeP° C†CHPsPiPs PİCŦPµPİP°CŦP°C,C† PjC-CİC,PëC,CH PjPµPSCëPµ 1
PjPjPsP»CH PSP°C,CŦC-CH (23 PjPi), C,PsP±C,Ps C,,P°PeC,PëC±PSPs PSPµ PjC-CİC,PëC,CH
PSP°C,CŦC-CH.

***P—P°CİC,PsCİCžPIP°PSPSCİ Cž PİPµCŦC-PsPr PIP°PiC-C,PSPsCİC,C- P°P±Ps
PİPsPrCžPIP°PSPSCİ PİCŦCžPrPrCŦ***

P»C-PeP°CŦCİCHPePëPNë P·P°CİC-P± P»P°PeCİC-PİCŦP° P”CŦP°PNëPI PSPµ
PİPsPeP°P·P°PSPëPNë PrP»Cİ P·P°CİC,PsCİC†PIP°PSPSCİ P¶C-PSPeP°Pj.

*P’P°PiC-C,PSC-CİC,CH. P”P°PSC- PrPsCİP»C-PrP¶PµPSCŦ C%PsPrPs
P·P°CİC,PsCİC†PIP°PSPSCİ C,P°PrP°P»P°C,,C-P»C† PIP°PiC-C,PSPëPj P¶C-PSPeP°Pj
PsP±PjPµP¶PµPSC-. P”PsCİP»C-PrP¶PµPSPSCİ PSP° C,PIP°CŦPëPSP°C... PSPµ PİPëCİPIPëP»Pë
PİCŦCİPjPsPiPs P°P±Ps PSPµPİCŦCİPjPsPiPs CëPeC-PrP»PëPIPsPiPs PİPİP»PëPIC† PSP°
PIP°PiC-C,PSC-CİC,CH, CŦPsP·PIPëC,PsPe PµPjP±CŦC-PsPSP° P°P±Ps PİP»PsPrP°, PİPsP»PsPiPë*

$$P \bullet C\bar{H}P\mu PeC, P\ddot{e}P \gg CH\bar{P}SP^{\circ} \quad P\tau P\ddot{e}C\bar{I}C_{,,}C\acute{a}PSPeC\bar{I}C-C\bar{I}I \quad C\acute{a} \quad P\tau PsC\bar{H}PsC\bar{I}P \gg P\ddot{e}C... \quad C\bar{I}PsP \gg PsPIC-PeC-PI$$

P PμPePsPjPμPSPPrPsPIP°PSP° PrPsP·P° CΓC,P°PSPsPIPeC,CH 10 PjPi PīPμCḡPμPr
PīPμCḡPμPrP±P°C±CfPIP°PSPsCḡ CΓPμPeCΓCfP°P»CHbPSPsCḡ P°PeC,PēPIPS-CΓC,Cḡ,
PSPμP·P°P»PμP¶PSPs PIC-Pr PIP¶PēPIP°PSPSCḡ C—P¶C-. PμP°C†C-C”PSC,P°Pj, CΓ CḡPePēC...
C,P°PrP°P»P°C,,C-P» CΓ PrPsP·C- 10 PjPi PSPμ CΓPīCḡPēC±PēPSCḡC” P°PrPμPePIP°C,PSPsPiPs
PμC,,PμPeC,CΓ, PjPsP¶PSP° P·P°CΓC,PsCΓPsPICfPIP°C,Pē PrPsP·CΓ 20 PjPi.

PμCḡPμPīP°CḡP°C, PjPsP¶PSP° PīCḡPēPNμPjP°C,Pē P·P° 30 C...PIPēP»PēPS PīPμCḡPμPr
CΓPμPeCΓCfP°P»CHbPSPsCḡ P°PeC,PēPIPS-CΓC,Cḡ.

PḡP°PeCΓPēPjP°P»CHbPSP° CḡPμPePsPjPμPSPPrPsPIP°PSP° C±P°CΓC,PsC,P° PīCḡPēPNμPsPjCΓ Bḡ”
1 CḡP°P· PSP° PrPsP±CΓ.

PŷP°PrP°P»P°C,,C-P» CΓ PrPsP·C- 10 PjPi C,P° 20 PjPi PīCḡPēP·PSP°C±PμPSPēPNμ PrP»Cḡ
P·P°CΓC,PsCΓCfPIP°PSPSCḡ PīPμCḡPμPr PīPμCḡPμPrP±P°C±CfPIP°PSPsCḡ
CΓPμPeCΓCfP°P»CHbPSPsCḡ P°PeC,PēPIPS-CΓC,Cḡ C,P° PSPμ
CḡPμPePsPjPμPSPPrPsPIP°PSPēPNμ PrP»Cḡ C%PsPrPμPSPSPsPiPs P·P°CΓC,PsCΓCfPIP°PSPSCḡ.

PīPeC%Ps PīPμCḡPμPrP±P°C±P°C”C,CHbCΓCḡ C±P°CΓC,Pμ P·P°CΓC,PsCΓCfPIP°PSPSCḡ
C,P°PrP°P»P°C,,C-P»CΓ (PīCḡPēPSP°PNμPjPSC- PrPIC-C±C- PSP° C,PēP¶PrPμPSCḡ), CḡPμP¶PēPj
C%PsPrPμPSPSPsPiPs P·P°CΓC,PsCΓCfPIP°PSPSCḡ P±C-P»CHbC€ PSPēP·CHbPePēC... PrPsP·
C,P°PrP°P»P°C,,C-P»CΓ PjPsP¶Pμ P±CΓC,Pē P±C-P»CHbC€ PrPsC†C-P»CHbPSPēPj,
PIPēC...PsPrCḡC±Pē P· PIPēP±PsCḡCΓ PīP°C†C-C”PSC,P° C,P° CḡC-C€PμPSPSCḡ
P»C-PeP°CḡCḡ. P”P»Cḡ C,P°PePēC... PīP°C†C-C”PSC,C-PI CḡPμPePsPjPμPSPPrPsPIP°PSP°
PrPsP·P° CΓC,P°PSPsPIPeC,CH 5 PjPi/PrPsP±CΓ PīCḡPēP±P»PēP·PSPs PI PsPrPSP°PePsPIPēPNμ
C±P°CΓ. P”PsP·CΓ PjPsP¶PSP° P·PjPμPSC€CfPIP°C,Pē PrPs 2,5 PjPi/PrPsP±CΓ, PIPēC...PsPrCḡC±Pē
P· C-PSPPrPēPIC-PrCfP°P»CHbPSPsC— C,PsP»PμCḡP°PSC,PSPsCΓC,C-.
P”PsC†C-P»CHbPSC-CΓC,CH C,CḡPēPIP°P»PsPiPs C%PsPrPμPSPSPsPiPs
P·P°CΓC,PsCΓCfPIP°PSPSCḡ CΓP»C-Pr PīPμCḡC-PsPrPēC±PSPs PīPμCḡPμPsC†C-PSCḡPIP°C,Pē.

P”PsP±CḡPsCḡPeC-CΓPSP° PiC-PīPμCḡPīP»P°P·C-Cḡ PīPμCḡPμPrPjC-C...C¿CḡPsPIPsC—
P·P°P»PsP·Pē C¿ PrPsCḡPsCΓP»PēC... C±PsP»PsPIC-PeC-PI

P”P»Cḡ C%PsPrPμPSPSPsPiPs P·P°CΓC,PsCΓCfPIP°PSPSCḡ CḡPμPePsPjPμPSPPrPsPIP°PSP°
PrPsP·P° CΓC,P°PSPsPIPeC,CH 5 PjPi/PrPsP±CΓ PīCḡPēP±P»PēP·PSPs PI PsPrPēPS C- C,PsPNμ
CΓP°PjPēPNμ C±P°CΓ, PSPμP·P°P»PμP¶PSPs PIC-Pr PIP¶PēPIP°PSPSCḡ C—P¶C-. P”P»Cḡ
P»C-PeCfPIP°PSPSCḡ PrPsCḡPsCΓP»PēC... C±PsP»PsPIC-PeC-PI P· PμCḡPμPeC,PēP»CHbPSPsCḡ
PrPēCΓC,,CΓPSPeC†C-C”Cḡ C,P° CΓPēPjPīC,PsPjP°PjPē PrPsP±CḡPsCḡPeC-CΓPSPsC—
PiC-PīPμCḡPīP»P°P·C-C— PīPμCḡPμPrPjC-C...CfCḡPsPIPsC— P·P°P»PsP·Pē
CḡPμPePsPjPμPSPPrPsPIP°PSP° PrPsP·P° PrP»Cḡ C%PsPrPμPSPSPsPiPs
P·P°CΓC,PsCΓCfPIP°PSPSCḡ CΓC,P°PSPsPIPeC,CH 5 PjPi/PrPsP±CΓ PīCḡPēP±P»PēP·PSPs PI
PsPrPēPS C- C,PsPNμ CΓP°PjPēPNμ C±P°CΓ. P”P»Cḡ PīP°C†C-C”PSC,C-PI P·
PSPμPīPμCḡPμPSPsCΓPēPjC-CΓC,Cḡ C,P°PrP°P»P°C,,C-P»CΓ PI PrPsP·C- 5 PjPi/PrPsP±CΓ PīCḡPē
P»C-PeCfPIP°PSPSC- PrPsP±CḡPsCḡPeC-CΓPSPsC— PiC-PīPμCḡPīP»P°P·C-C—
PīPμCḡPμPrPjC-C...CfCḡPsPIPsC— P·P°P»PsP·Pē CΓP»C-Pr CḡPsP·PīP»CḡPSCfC,Pē
P·P°CΓC,PsCΓCfPIP°PSPSCḡ P°P»CHbC,PμCḡPSP°C,PēPIPS-C— C,PμCḡP°PīC-C—, P·
PsPiP»CḡPrCΓ PSP° C,Pμ C%Ps PμC,,PμPeC,PēPIPS-CΓC,CH C,P°PrP°P»P°C,,C-P»CΓ CΓ
PrPsP·C- 2,5 PjPi/PrPsP±CΓ PrP»Cḡ P»C-PeCfPIP°PSPSCḡ PrPsP±CḡPsCḡPeC-CΓPSPsC—
PiC-PīPμCḡPīP»P°P·C-C— PīPμCḡPμPrPjC-C...CfCḡPsPIPsC— P·P°P»PsP·Pē PSPμ
PsC†C-PSCḡPIP°P»P°CΓCḡ.

PḡCΓPsP±P»PēPIC- PīPsPīC¿P»CḡC†C-C— PīP°C†C-C”PSC,C-PI

*PšPsP»PsPIC-PePë P»C-C,PSCHbPsPiPs PIC-PeCž. PľPsCĤPµPeC†C-CĬ PrPsP·Pë PSPµ
PĩPsC,CĤC-P±PSP°.*

*PšPsP»PsPIC-PePë, CĬPeC- PjP°CĤC,CH PSPëCĤPePsPICž PSPµPrPsC†C,P°C,PSC-C†C,CH.
PľPsCĤPµPeC†C-CĬ PrPsP·Pë PSPµ PĩPsC,CĤC-P±PSP° PrP»CĬ PĩP°C†C-C”PSC,C-PI C-P·
P»PµPiPePsCĤ C,P° PĩPsPjC-CĤPSPsCĤ PSPëCĤPePsPIPsCĤ PSPµPrPsC†C,P°C,PSC-C†C,CĤ.
P”P»CĬ PĩP°C†C-C”PSC,C-PI C-P· C,CĬP¶PePsCĤ PSPëCĤPePsPIPsCĤ
PSPµPrPsC†C,P°C,PSC-C†C,CĤ PjP°PeC†PëPjP°P»CHbPSP° CĤPµPePsPjPµPSPPrPsPIP°PSP°
PrPsP·P° C†C,P°PSPsPIPëC,CH 10 PjPi (PĩCĤPëPNëPsPj C,P°PrP°P»P°C,,C-P»C† P·P°
PĩPsC,CĤPµP±Pë). P©PsPrPµPSPSPµ P·P°C†C,PsC†C†PIP°PSPSCĬ C,P°PrP°P»P°C,,C-P»C† PI
PrPsP·C- 2,5 PjPi P°P±Ps 5 PjPi PSPµ CĤPµPePsPjPµPSPPrPsPIP°PSPs PrP»CĬ
P»C-PeC†PIP°PSPSCĬ PĩP°C†C-C”PSC,C-PI C-P· C,CĬP¶PePsCĤ PSPëCĤPePsPIPsCĤ
PSPµPrPsC†C,P°C,PSC-C†C,CĤ C,P° PrPsP±CĤPsCĬPeC-C†PSPsCĤ PiC-PĩPµCĤPĩP»P°P·C-C”CĤ
PĩPµCĤPµPrPjC-C...C†CĤPsPIPsC— P·P°P»PsP·Pë P°P±Ps PµCĤPµPeC,PëP»CHbPSPsCĤ
PrPëC†C,,C†PSPeC†C-C”CĤ (PrPëPI. CĤPsP·PrC-P»Pë B«PαP°CĤPjP°PePsP»PsPiC-C†PSC-
PIP»P°C†C,PëPIPsC†C,C-B» C,P° B«PhC†PsP±P»PëPIPsC†C,C- P·P°C†C,PsC†C†PIP°PSPSCĬB»).*

PšPsP»PsPIC-PePë, CĬPeC- PjP°CĤC,CH PĩPµC†C-PSPePsPICž PSPµPrPsC†C,P°C,PSC-C†C,CH

*P”P»CĬ P»C-PeC†PIP°PSPSCĬ PµCĤPµPeC,PëP»CHbPSPsC— PrPëC†C,,C†PSPeC†C-C—
CĤPµPePsPjPµPSPPrPsPIP°PSP° PrPsP·P° C,P°PrP°P»P°C,,C-P»C† C†C,P°PSPsPIPëC,CH 10 PjPi
PĩPµCĤPµPr PĩPµCĤPµPrP±P°C†C†PIP°PSPsCĤ C†PµPeC†C†P°P»CHbPSPsCĤ
P°PeC,PëPIPsC-C†C,CĤ C- PSPµ P·P°P»PµP¶PëC,CH PIC-Pr PIP¶PëPIP°PSPSCĬ C—P¶C-
(PĩCĤPëPNëPsPj C,P°PrP°P»P°C,,C-P»C† P·P° PĩPsC,CĤPµP±Pë). PľP»C-PSC-C†PSC- PrP°PSC-
C%PsPrPs P±PµP·PĩPµPePë P·P°C†C,PsC†C†PIP°PSPSCĬ C,P°PrP°P»P°C,,C-P»C†
PĩP°C†C-C”PSC,P°Pj C-P· C,CĬP¶PePsCĤ PĩPµC†C-PSPePsPIPsCĤ PSPµPrPsC†C,P°C,PSC-C†C,CĤ
(PeP»P°C† PŸ P·P° C€PeP°P»PsCĤ PšP°PNëP»PrP° бĤ“ PµбĤ™ CĤ) PsP±PjPµP¶PµPSC-; C†
CĤP°P·C- PĩCĤPëP·PSP°C†PµPSPSCĬ P»C-PeP°CĤ PĩPsPIPëPSPµPS C†PIP°P¶PSPs
PsC†C-PSPëC,Pë C-PSPPrPëPIC-PrC†P°P»CHbPSC- PĩPµCĤPµPIP°PiPë / CĤPëP·PëPePë. PќPµPjP°C”
PrP°PSPëC... C%PsPrPs P·P°C†C,PsC†C†PIP°PSPSCĬ C,P°PrP°P»P°C,,C-P»C† PI PrPsP·C-
PIPëC%Pµ 10 PjPi PĩP°C†C-C”PSC,P°Pj C-P· PĩPµC†C-PSPePsPIPsCĤ
PSPµPrPsC†C,P°C,PSC-C†C,CĤ. P©PsPrPµPSPSPµ P·P°C†C,PsC†C†PIP°PSPSCĬ
C,P°PrP°P»P°C,,C-P»C† CĬPe PrP»CĬ P»C-PeC†PIP°PSPSCĬ PĩP°C†C-C”PSC,C-PI C-P·
PrPsP±CĤPsCĬPeC-C†PSPsCĤ PiC-PĩPµCĤPĩP»P°P·C-C”CĤ PĩPµCĤPµPrPjC-C...C†CĤPsPIPsC—
P·P°P»PsP·Pë, C,P°Pe C- P· PµCĤPµPeC,PëP»CHbPSPsCĤ PrPëC†C,,C†PSPeC†C-C”CĤ PSPµ
PsC†C-PSCĤPIP°P»Pë C† PĩP°C†C-C”PSC,C-PI C-P· PĩPsC€PePsPrP¶PµPSPSCĬPjPë
PĩPµC†C-PSPePë, C,PsPjC† P»C-PeP°CĤ PĩPsPIPëPSPµPS CĤPµC,PµP»CHbPSPs PsC†C-PSPëC,Pë
C-PSPPrPëPIC-PrC†P°P»CHbPSC- PĩPµCĤPµPIP°PiPë / CĤPëP·PëPePë C,P°PePsC—
C,PµCĤP°PĩC-C— (PrPëPI. CĤPsP·PrC-P»Pë B«PαP°CĤPjP°PePsP»PsPiC-C†PSC-
PIP»P°C†C,PëPIPsC†C,C-B» C,P° B«PhC†PsP±P»PëPIPsC†C,C- P·P°C†C,PsC†C†PIP°PSPSCĬB»).*

*PšPsP»PsPIC-PePë, CĬPeC- PjP°CĤC,CH C†CžPeCĤPsPIPëPNë PrC-P°P±PµC,,
PľPsCĤPµPeC†C-CĬ PrPsP·Pë PSPµ PĩPsC,CĤC-P±PSP°.*

PhC†PsP±P»PëPIC- P·P°C†C,PµCĤPµP¶PµPSPSCĬ PĩCĤPë C†C,PëP»C-P·P°C†C-C—

*PќPµPIPëPePsCĤPëC†C,P°PSPëPNë PĩCĤPµPĩP°CĤP°C, P°P±Ps PIC-PrC...PsPrPë C†P»C-Pr
C†C,PëP»C-P·C†PIP°C,Pë PIC-PrPĩPsPIC-PrPSPs PrPs PrC-CĤC†PëC... PSPsCĤPjP°C,PëPIPsPëC...
PIPëPjPsPi.*

$\text{P}\ddot{\text{K}}\text{P}\mu\text{PjP}^{\circ}\text{C}''$ $\text{PrP}^{\circ}\text{PSP}\ddot{\text{E}}\text{C}\dots$ $\text{C}\%_{\text{O}}\text{PsPrPs}$ $\text{P}\cdot\text{P}^{\circ}\text{C}\acute{\text{I}}\text{C},\text{PsC}\acute{\text{I}}\text{C}\acute{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\sqcup$ $\text{C},\text{P}^{\circ}\text{PrP}^{\circ}\text{P}\gg\text{P}^{\circ}\text{C}_{,,}\text{C}-\text{P}\gg\text{C}\acute{\text{r}}$
 $\text{PrC}-\text{C},\text{C}\sqcup\text{Pj}$ $\text{PrP}\gg\text{C}\sqcup$ $\text{P}\gg\text{C}-\text{PeC}\acute{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\sqcup$ $\text{P}\mu\text{C}\ddot{\text{H}}\text{P}\mu\text{PeC},\text{P}\ddot{\text{E}}\text{P}\gg\text{C}\ddot{\text{H}}\text{PSPsC}-$
 $\text{PrP}\ddot{\text{E}}\text{C}\acute{\text{I}}\text{C}_{,,}\text{C}\acute{\text{r}}\text{PSPeC}\dagger\text{C}-\text{C}-.$

*PŸPëPjPïC,PsPjPë. PüCĤPë PsPrPSPsCĤP°P·PsPIPsPjCř P·P°CĹC,PsCĹCřPIP°PSPSC-
P·PrPsCĤPsPIPëPjPë PrPsP±CĤPsPIPsP»CHC†CĹPjPë C,P°PrP°P»P°C,,C-P»Cř PI PrPsP·C- PrPs
500 PjPi C- PïCĤPë P±P°PiP°C,PsCĤP°P·PsPIPsPjCř P·P°CĹC,PsCĹCřPIP°PSPSC-
C,P°PrP°P»P°C,,C-P»Cř PïP°C†C-C''PSC,P°PjPë PrPs 100 PjPi PSP° PrPsP±Cř PSPµP±P°P¶P°PSC-
PµC,,PµPeC,Pë P±CřP»Pë P°PSP°P»PsPiC-C†PSC- C,PëPj, C‰Ps
CĹPïPsCĹC,PµCĤC-PiP°P»PëCĹCĹ PïCĤPë P·P°CĹC,PsCĹCřPIP°PSPSC- PjPµPSC€PëC... PrPsP·
PïCĤPµPïP°CĤP°C,Cř.*

$$P_{\mu}P_{\sigma}P_{\pm}C-C\mp PSC-C\bar{H}P_{\mu}P^{\circ}P_{\epsilon}C\mp C-C-$$

PkPμP±P°P¶P°PSPëPjPë PμC,,PμPeC,P°PjPë, PïC¶Ps C¶PeC- PïPsPIC-PrPsPjP»C¶P»Pë
 PSP°PNεC‡P°C¶C,C-CεPμ PïC¶Pë P»C-PeC¶PIP°PSPSC- PμC¶PμPeC,PëP»CHBPSPSc—
 PrPëC¶C,,C¶PSPeC‡C-C— P°P±Ps PrPsP±C¶PsC¶PeC-C¶PSPSc— PiC-PïPμC¶PïP»P°P·C-C—
 PïPμC¶PμPrPjC-C...C¶C¶PsPIPsC— P·P°P»PsP·Pë, P±C¶P»Pë PiPsP»PsPIPsPëPNε P±C-P»CH,
 PrPëC¶PïPμPïC¶C-C¶, P±C-P»CH C¶ C¶PïPëPSC-, PjC-P°P»PiC-C¶, C‡P°C¶C,PsC,P°
 PIPëPSPëPePSPμPSPSC¶ C¶PePëC... P·C¶PsC¶C,P°P»P° P·C- P·P±C-P»CHCεPμPSPSC¶Pj
 PrPsP·Pë C,P°PrP°P»P°C,,C-P»C¶. P¶PsP±C-C‡PSC- C¶PμP°PeC‡C-C— P±C¶P»Pë
 PePsC¶PsC,PePsC,C¶PëPIP°P»PëPjPë, P·P°PiP°P»PsPj PIC-Pr P»PμPiPePëC... PrPs
 PïPsPjC-C¶PSPëC.... P'·C-P»CHCεC-C¶C,CH PIPëPïP°PrPeC-PI PïPsC¶PIPë PiPsP»PsPIPsPsPiPs
 P±PsP»C¶ PïC¶Pë C%oPsPrPμPSPSPsPjC¶ PïC¶PëPNεPsPjC- C,P°PrP°P»P°C,,C-P»C¶
 C¶PïPsC¶C,PμC¶C-PiP°P»P°C¶C¶ PïC¶PsC,C¶PiPsPj PïPμC¶CεPëC... 10B¶"30 PrC-P±
 PiC-C¶P»C¶ PïPsC‡P°C,PeC¶ P»C-PeC¶PIP°PSPSC¶.

$\text{P}\ddot{\text{K}}\text{P}\ddot{\text{e}}\text{P}\text{P}\text{C}\ddot{\text{I}}\text{C}\ddot{\text{I}}\text{P}\mu\text{PSP}^\circ\text{P}\text{I}\text{P}\mu\text{P}\text{r}\text{P}\mu\text{PSP}^\circ\text{C},\text{P}^\circ\text{P}\pm\text{P}\gg\text{P}\ddot{\text{e}}\text{C}\ddot{\text{I}}\text{C}\text{I}\text{P}\text{J}\text{C}-\text{C}\ddot{\text{I}}\text{C},\text{P}\ddot{\text{e}}\text{C},\text{C}\text{H}\text{P}\text{r}\text{P}^\circ\text{PSC}-\text{C}\%_{\text{oo}}\text{PsPrPs}$
 $\text{P}\ddot{\text{I}}\text{PsP}\pm\text{C}-\text{C}\ddot{\text{I}}\text{PSP}\ddot{\text{e}}\text{C}\dots\text{C}\ddot{\text{I}}\text{P}\mu\text{P}^\circ\text{P}\text{eC}\ddot{\text{I}}\text{C}-\text{P}\text{N}_2\text{P}\cdot\text{C}-\text{C}\ddot{\text{I}}\text{P}\ddot{\text{I}}\text{PsPSC},\text{P}^\circ\text{PSPSP}\ddot{\text{e}}\text{C}\dots\text{P}\ddot{\text{I}}\text{PsPIC}-\text{PrPsP}\text{J}\text{P}\gg\text{P}\mu\text{PSCH}$
 $\text{C},\text{P}^\circ\text{P}\ddot{\text{I}}\text{P}\gg\text{P}^\circ\text{C}\ddot{\text{I}}\text{P}\mu\text{P}\pm\text{Ps}-\text{P}\text{ePsPSC},\text{C}\ddot{\text{I}}\text{PsP}\gg\text{C}\text{H}\ddot{\text{I}}\text{PsPIP}^\circ\text{PSP}\ddot{\text{e}}\text{C}\dots\text{P}\text{eP}\gg\text{C}-\text{PSC}-\text{C}\ddot{\text{I}}\text{PSP}\ddot{\text{e}}\text{C}\dots$

PrPsCfP»C-PrP¶PµPSCн (PIPeP»CнC±P°P»Pë PI C†C-P»PsPjCf 8022 PïP°C†C-C”PSC,C-PI, C¶PeC- PsC,CнPëPjCfPIP°P»Pë C,P°PrP°P»P°C,,C-P», C,P° 4422 PïP°C†C-C”PSC,C-PI, C¶PeC- PsC,CнPëPjCfPIP°P»Pë PïP»P°C†PµP±Ps) C-P· P·P°C†C,PсC†CfPIP°PSPSC¶ C,P°PrP°P»P°C,,C-P»Cf Cf CнP°P·C- PïPsC,CнPµP±Pë C,P° C%oPsPrPµPSPSPsPiPs P·P°C†C,PсC†CfPIP°PSPSC¶ PrP»C¶ P»C-PeCfPIP°PSPSC¶ PµCнPµPeC,PëP»CнPSPsC— PrPëC†C,,CfPSPeC†C-C— C- C%oPsPrPµPSPSPsPiPs P·P°C†C,PсC†CfPIP°PSPSC¶ PrP»C¶ P»C-PeCfPIP°PSPSC¶ PrPsP±CнPsC¶PeC-C†PSPsC— PiC-PïPµCнPïP»P°P·C-C— PïPµCнPµPrPjC-C...CfCнPsPIPsC— P·P°P»PsP·Pë.

P”CfP¶Pµ C±P°C†C,Pс (≥ 1/10), C±P°C†C,Pс (≥ 1/100 C,P° < 1/10), PSPµC±P°C†C,Pс (≥ 1/1000 C,P° < 1/100), CнC-PrPePs (≥ 1/10000 C,P° < 1/1000), PrCfP¶Pµ CнC-PrPePs (< 1/10000), C±P°C†C,PсC,P° PSPµPIC-PrPsPjP° (C±P°C†C,PсC,P° PSPµ PjPsP¶Pµ P±CfC,Pë PIC†C,P°PSPsPIP»PµPSP°, PIPëC...PsPrC¶C±Pë P· PSP°C¶PIPSPëC... PrP°PSPëC...).

P”CfP¶Pµ C±P°C†C,Pс (≥ 1/10)	PSP°C†C,Pс (≥ 1/100 PrPs > 1/10)	PкPµC±P°C†C,Pс (≥ 1/1000 PrPs 1/100)	P C-PrPePs (≥ 1/10000 PrPs 1/1000)	PSP°C†C,PсC,P° PSPµPIC-PrPsPjP° (C±P°C†C,PсC,P° PSPµ PjPsP¶Pµ P±CfC,Pë PIC†C,P°PSPsPIP»PµPSP°, PIPëC...PsPrC¶C±Pë P· PSP°C¶PIPSPëC... PrP°PSPëC...)
P— P±PsPeCf C-PjCfPSPSPsC— C†PëC†C,PµPjPë				
		P PµP°PeC†C-C— PiC-PïPµCнC±CfC,P»PëPIPsC†C,C-	PµPSPiC-PsPSPµPICнPsC,PëC±PSPëPµ PSP°P±CнC¶Pë²	
P— P±PsPeCf PSPµCнPIPsPIPsC— C†PëC†C,PµPjPë				
	P”PsP»PsPIPSPëPµ P±C-P»Cн	P—P°PïP°PjPsCнPsC±PµPSPSC¶	PµPsCнCfCëPµPSPSC¶ PjPsP·PePsPIPsPiPs PeCнPsPIPsPsP±C-PiCf¹ (PIPeP»CнC±P°CнC±Pë PiPµPjPsCнP°PiC-C±PSC- C¶PIPëC%P°), PIC,CнP°C,P° C†PIC-PrPsPjPsC†C,C-, C,CнP°PSP·PëC,PсCнPSP° C-CëPµPjC-C±PSP° P°C,P°PeP°¹, PjC-PiCнPµPSCн², C†CfPrPsPjPë², C,CнP°PSP·PëC,PсCнPSP° P°PjPSPµP·C-C¶	
P— P±PsPeCf PsCнPiP°PSC-PI P·PsCнCf				
		PкPµC±C-C,PëC-C†C,Cн P·PsCнCf, PIC-PrC±CfC,C,C¶ P±PsP»Cн PI PsC±P°C...	P”PµC,,PµPeC,Pë PïPsP»C¶ P·PsCнCf, PSP°P±CнC¶Pe PïPsPIC-Pë, PePsPSн” CнPSPeC,PëPIP°P»CнPSP° PiC-PïPµCнPµPjC-C¶, PSPµP°CнC,PµCнC-P°P»CнPSP° PïPµCнPµPrPSPSC¶ C-CëPµPjC-C±PSP° PsPiC,PëC±PSP° PSPµPµCнPsPïP°C,C-C¶ (PкPµPµPµPµPµ)², PsPeP»CнP·C-C¶ PIPµPS C†C-C,PëC-PIPePë²	PïPµPSC,CнP°P»CнPSP° C†PµCнPsP·PSP° C...PsCнC-PсCнPµC,PëPSPsPïP°C,C-C¶ (PïPµPµPµPµPµ)
P— P±PsPeCf PsCнPiP°PSC-PI C†P»CfC...Cf C,P° CнC-PIPSPsPIP°PIPë				
		P”P·PIC-PS Cf PICfC...P°C...	P P°PiC,PsPIP° PIC,CнP°C,P° C†P»CfC...Cf	
P— P±PsPeCf C†PµCнC†PµPIPsC— C†PëC†C,PµPjPë¹				
		PÿP°C...C-PeP°CнPrC-C¶, P†CнPëC†PePsCнPµPSPµ C†PµCнC†PµP±PëC,C,C¶	P†PSC,P°CнPeC, PjC-PsPeP°CнPrP°, PSPµC†C,P°P±C-P»CнPSP° C†C,PµPSPsPeP°CнPrC-C¶², CëP»CfPSPsC±PePsPIP° P°CнPëC,PjC-C¶²	
P— P±PsPeCf C†CfPrPëPSPSPsC— C†PëC†C,PµPjPë				
	PµCнPëPIP»PëPIPë	PµCнC,PµCнC-P°P»CнPSP° PiC-PïPsC,PµPSP·C-C¶³, P°CнC,PµCнC-P°P»CнPSP° PiC-PïPµCнC,PµPSP·C-C¶		
P— P±PsPeCf CнPµC†PiC-CнP°C,PсCнPSPsC— C†PëC†C,PµPjPë				
	P—P°PeP»P°PrPµPSC-C†C,CнP”PëC†PiPSPsPµ, PSPsC†PsPIP° PSPsC†P°	PeCнPsPIPsC,PµC±P°		
P— P±PsPeCf CëP»CfPSPePsPIPs-PePëCëPePsPIPsPiPs C,CнP°PeC,Cf				
	P”PëC†PïPµPICfC-C¶	PµP±PrPsPjC-PSP°P»CнPSPëPµ P±C-P»Cн, P±P»CнPIP°PSPSC¶, PSCfPrPsC,P°B PïP°C†C,CнPsPµP·PsC,P°PïPµP°P»CнPSPëPµ CнPµC,,P»CнPeC†		
P— P±PsPeCf CëPeC-CнPë C,P° PiC-PrCëPeC-CнPSPëC... C,PëP°PSPëPS				
		P”PëC†PëPIP°PSPSC¶	PµCнPsPïPëPµPµ”C¶PSPeP°, C†PëPSPrCнPsPj PÿC,C-PIPµPSC†P° Pµ” P”P¶PSPC†PsPSP°², PµPeC†C,,PsP»C-P°C,PëPIPSPëPµ PrPµCнPjP°C,PëC,², PiC-PïPµCнPiC-PrCнPsP· (PSP°PrPjC-CнPSPµ PïPsC,PsPIPëPrC-P»PµPSPSC¶)	
P— P±PsPeCf PsPIPsCнPSPsCнCfC...PsPIPsPiPs P°PïP°CнP°C,Cf, C†PiPsP»CfC±PSPsC— C,P° PeC-C†C,PëPsPIPs-PjPµ”C¶P·PsPIPsC— C,PëP°PSPëPSPë				
	P·C-P»Cн Cf C†PïPëPSC-, PjC-P°P»PiC-C¶, P±C-P»Cн Cf PeC-PSC†C-PIPeP°C...			
P— P±PsPeCf PSPëCнPsPe C,P° C†PµC±PsPIPëPrC-P»CнPSPsC— C†PëC†C,PµPjPë				
		P”PµPjP°C,CfCнC-C¶		

P— P±PsPeCf CḡPμPḡCḡPsPrCfPeC, PēPIPSPsC— CḡPēCḡC, PμPjPē			
		PμPsPrPsPIPḡPμPSP° PμCḡPμPeC†C—Cḡ	PμCḡC—P°PḡC—P·Pj, PeCḡPsPIPsC, PμC†P° P·C—CḡC, P°C, PμPIPsPIPs C†P»PμPSP°, PḡPμPjPsCḡPḡPμCḡPjC—Cḡ
P—P°PḡP»P»CHḡPSC— CḡPsP·P»P·PrPē C, P° CḡC, P°PS Cḡ PjC—CḡC†C— PḡPḡPμPrPμPSPSCḡ			
		P°C—P»CH Cḡ PḡCḡCḡPrCḡC... ¹ , PḡPμCḡPēC,, PμCḡPēC†PSC—PSP°P±CḡCḡPePē, PḡC—PrPḡPēC%PμPSP° PIC, PsPjP»CḡPIP°PSC—CḡC, CH	PḡP°P±CḡCḡPe PsP±P»PēC†CḡCḡ ² , CḡP°PḡC, PsPIP° CḡPμCḡC†PμPIP° CḡPjPμCḡC, CH ^{1,2}

¹P°C—P»CHḡCḡC—CḡC, CH PḡP°C†C—C”PSC, C—PI, Cḡ CḡPePēC... CḡPḡPsCḡC, PμCḡC—PḡP°P»PēCḡCḡ C, P°PeC— PḡPsP±C—C†PSC— CḡPμP°PeC†C—C—, PjP°P»Pē C,, P°PeC, PsCḡPē CḡPēP·PēPeCḡ P· P±PsPeCḡ CḡPμCḡC†PμPIPs—CḡCḡPrPēPSPSPsC— CḡPēCḡC, PμPjPē PI P°PSP°PjPSPμP·C— (PrPēPI. CḡPsP·PrC—P» B«PḡCḡPsP±P»PēPIPsCḡC, C— P·P°CḡC, PsCḡCḡPIP°PSPSCḡB»).

²PμPsP±C—C†PSC— CḡPμP°PeC†C—C— P· PḡPsCḡC, PjP°CḡPePμC, PēPSPḡPsPIPēC... PrPsCḡP»C—PrPḡPμPSCḡ, CḡPeC— PSPμ CḡPḡPsCḡC, PμCḡC—PḡP°P»PēCḡCḡ PI C...PsPrC— PḡP»P°C†PμP±Ps—PePsPSC, CḡPsP»CHḡPsPIP°PSPēC... PeP»C—PSC—C†PSPēC... PrPsCḡP»C—PrPḡPμPSCḡ.

³PḡP°CḡC, C—CḡPμ PḡPsPIC—PrPsPjP»CḡP»Pē Cḡ CḡP°P·C— P·P°CḡC, PsCḡCḡPIP°PSPSCḡ C, P°PrP°P»P°C,, C—P»Cḡ CḡP°P·PsPj P· P°PSC, PēPiC—PḡPμCḡC, PμPSP·PēPIPsPēPjPē P·P°CḡPsP±P°PjPē.

PḡPeCḡPμPjC— PḡPsP±C—C†PSC— CḡPμP°PeC†C—C—. PμPsPIC—PrPsPjP»CḡP»Pē PḡCḡPs C, CḡPsC...Pē PIPēC%Cḡ C†P°CḡC, PsC, Cḡ P°PSPsPjP°P»C—PNḡ PSP° P·PḡP”, Cḡ PḡPμCḡCḡCḡ C†PμCḡPiCḡ PḡCḡPs CḡPēPSCḡCḡPsPICḡ P±CḡP°PrPēPeP°CḡPrC—Cḡ, Cḡ PḡP°C†C—C”PSC, C—PI, CḡPeC— PsC, CḡPēPjCḡPIP°P»Pē C, P°PrP°P»P°C,, C—P» 1 CḡP°P· PSP° PrPsP±Cḡ, PḡPsCḡC—PIPSCḡPSPs P· PḡP°C†C—C”PSC, P°PjPē, CḡPeC— PḡCḡPēPNḡPjP°P»Pē PḡP»P°C†PμP±Ps. P°C—P»CHḡCḡC—CḡC, CH C†PēC... P°PSPsPjP°P»C—PNḡ PSP° P·PḡP” PSPμ P±CḡP»Pē PḡPsPIBḡ™ CḡP·P°PSC— P· PḡCḡPsCḡPIPsPj PḡPsP±C—C†PSPēC... CḡPμP°PeC†C—PNḡ.

PḡCḡPsP±P»PēPIC— PḡCḡCḡPḡPē PḡP°C†C—C”PSC, C—PI. P”P°PSC— C%PμPsPrPs P·P°CḡC, PsCḡCḡPIP°PSPSCḡ C, P°PrP°P»P°C,, C—P»Cḡ PḡP°C†C—C”PSC, P°Pj PIC—PePsPj PḡPsPSP°Pr 65 CḡPsPeC—PI Cḡ C...PsPrC— PeP»C—PSC—C†PSPēC... PrPsCḡP»C—PrPḡPμPSCḡ, CḡPe PrP»Cḡ P»C—PeCḡPIP°PSPSCḡ PμCḡPμPeC, PēP»CHḡPSPsC— PrPēCḡC,, CḡPSPeC†C—C—, C, P°Pe C— PrP»Cḡ P»C—PeCḡPIP°PSPSCḡ PrPsP±CḡPsCḡPeC—CḡPSPsC— PiC—PḡPμCḡPḡP»P°P·C—C— PḡPμCḡPμPrPjC—C...CḡCḡPsPIPsC— P·P°P»PsP·Pē, PsP±PjPμPḡPμPSC—. Pj C...PsPrC— PeP»C—PSC—C†PSPēC... PrPsCḡP»C—PrPḡPμPSCḡ PḡC—Pr C†P°Cḡ P·P°CḡC, PsCḡCḡPIP°PSPSCḡ C, P°PrP°P»P°C,, C—P»Cḡ P·P° PḡPsC, CḡPμP±PsCḡ (PI PrPsP·C— 20 PjPi) PrP»Cḡ P»C—PeCḡPIP°PSPSCḡ PμCḡPμPeC, PēP»CHḡPSPsC— PrPēCḡC,, CḡPSPeC†C—C— PrC—P°CḡPμCḡ C†P°CḡC, C—CḡPμ PIPēPSPēPeP°P»P° Cḡ PḡP°C†C—C”PSC, C—PI PIC—PePsPj PḡPsPSP°Pr 65 CḡPsPeC—PI. Pj C...PsPrC— PeP»C—PSC—C†PSPēC... PrPsCḡP»C—PrPḡPμPSCḡ PḡC—Pr C†P°Cḡ P·P°CḡC, PsCḡCḡPIP°PSPSCḡ C, P°PrP°P»P°C,, C—P»Cḡ PI PrPsP·C— 5 PjPi 1 CḡP°P· PSP° PrPsP±Cḡ PrP»Cḡ P»C—PeCḡPIP°PSPSCḡ PrPsP±CḡPsCḡPeC—CḡPSPsC— PiC—PḡPμCḡPḡP»P°P·C—C— PḡPμCḡPμPrPjC—C...CḡCḡPsPIPsC— P·P°P»PsP·Pē CḡPIPsC%P° P·P°PḡPjPsCḡPsC†PμPSPSCḡ C, P° PrC—P°CḡPμC— C†P°CḡC, C—CḡPμ CḡPḡPsCḡC, PμCḡC—PḡP°P»PēCḡCḡ Cḡ PḡP°C†C—C”PSC, C—PI PIC—PePsPj PḡPsPSP°Pr 75 CḡPsPeC—PI.

PμPsPIC—PrPsPjP»PμPSPSCḡ PḡCḡPs PḡC—PrPsP·CḡCḡPIP°PSC— PḡPsP±C—C†PSC— CḡPμP°PeC†C—C—

Pharmaceutical Works БҢНPOLPHARMAБҢК S.A.

**P_{HC}-C₁C₁†P_μP•PSP°C...PsPrP¶P_μPSPSC¶ PIPëC₇PsP±PSPëPeP° C,P° P°PrC₇P_μC₁P°
PjC-C₁C₁†C¶ P_iC₇PsPIP°PrP¶P_μPSPSC¶ PN₀PsPiPs PrC-C¶P»CH₃PSPsC₁C,C-**

P'PëC₇PsP±PSPëC‡P_μ PIC-PrPrC-P»P_μPSPSC¶ PI P_kPsPIC-PN₀ P''P_μPjP±C-, PIC₁P».
P_{HC}P_μC,P°P»PsPIC†P° 2, 39-460 P_kPsPIP°-P''P_μPjP±P°, P_μPsP»CH₃C‰P°/

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