

15 *PjPi*: P¶PsPIC,PsPiPs PePsP»CHbPsCḡCř, PeCḡCřPiP»C-, PrPIPsPsPiCřPeP»C-
C,P°P±P»PuC,PePë, PIPeCḡPëC,C- PiP»C-PIPePsPIPsCḡ PsP±PsP»PsPSPePsCḡ, P±PuP· P°P±Ps
PjP°PN¶P¶Pu P±PuP· P·P°PiP°C...Cř, P· PiCḡP°PIC-CḡCřPIP°PSPSC¶Pj
CřC,PeP»C-P·PsPIP°PSPsC— P»C-C,PuCḡPë B«P·B» C,P° C†PëC.,CḡPsCḡ B«405B» P·

PsPrPSPsPiPs P±PsPeCr;

20 PjPi: P¶PsPIC,PsPiPs PePsP»CHbPsC¶Cr, PeC¶CrPiP»C-, PrPIPsPsPiCrPeP»C-
C,P°P±P»PµC,PePë, PIPeC¶PëC,C- PiP»C-PIPePsPIPsC¶ PsP±PsP»PsPSPePsC¶, P·
PiC¶P°PIC-C¶CrPIP°PSPSC¶Pj C¶C,PëP»C-P·PsPIP°PSPsC— P»C-C,PµC¶Pë B«P•B» C,P°
C†PëC,,C¶PsC¶ B«406B» P· PsPrPSPsPiPs P±PsPeCr.

PαP°C¶PjP°PePsC,PµC¶P°PiPµPIC,PëC†PSP° PiC¶CrPiP°. PhPSC,PëPiC¶PëC...PsC,PëC†PSC-
P·P°C¶PsP±Pë. PµPsPr PhP¶P¶ N05A H03.

PαP°C¶PjP°PePsP»PsPiC-C†PSC- PIP»P°C¶C,PëPIPsC¶C,C-.

PαP°C¶PjP°PePsPrPëPSP°PjC-PeP°.

PhP»P°PSP·P°PiC-PS C" P°PSC,PëPiC¶PëC...PsC,PëC†PSPëPj,
P°PSC,PëPjP°PSC-P°PeP°P»CHbPSPëPj P»C-PeP°C¶C¶CHbPePëPj P·P°C¶PsP±PsPj,
C¶C,P°P±C-P»C-P·C¶C" PSP°C¶C,C¶C-PNë, C-P· CëPëC¶PsPePëPj C¶PiPµPeC,C¶PsPj
C,,P°C¶PjP°PePsP»PsPiC-C†PSPsC— PrC-C—, P·C¶PjPsPIP»PµPSPëPj PIPiP»PëPIPsPj PSP°
C¶C-P·PSC- C¶PµC†PµPiC,PsC¶Pë.

Pj PrPsPeP»C-PSC-C†PSPëC... PrPsC¶P»C-PrP¶PµPSPSC¶C... PIPëC¶PIP»PµPSP°
C¶PiPsC¶C-PrPSPµPSC-C¶C,CHb PsP»P°PSP·P·PiC-PSCr P· PrPµC¶PePëPjPë
C¶PµC†PµPiC,PsC¶P°PjPë (Ki; <100 nM) B¶" C¶PµC¶PsC,PsPSC-PSCr 5P¶P¶_{2Ph/2P¶}, 5-P¶P¶₃, 5-
P¶P¶₆; PrPsPiP°PjC-PSCr D₁, D₂, D₃, D₄, D₅; C...PsP»C-PSPµC¶PiC-C†PSPëPjPë
PjC¶C¶PeP°C¶PëPSPsPIPëPjPë C¶PµC†PµPiC,PsC¶P°PjPë P¶1-P¶5;
P°PrC¶PµPSPµC¶PiC-C†PSPëPj C¶PµC†PµPiC,PsC¶PsPj α₁ C,P° PiC-C¶C,P°PjC-PSPsPIPëPj
C¶PµC†PµPiC,PsC¶PsPj P¶₁.

Pj PiC¶PsC†PµC¶C- PrPsC¶P»C-PrP¶PµPSC¶ PiPsPIPµPrC-PSPePë C,PIP°C¶PëPS, C¶PePëPj
PIPIPsPrPëP»Pë PsP»P°PSP·P°PiC-PS, PIPëC¶PIP»PµPSPs P°PSC,P°PiPsPSC-P·Pj
PsP»P°PSP·P°PiC-PSCr C¶Pe PrPs C¶PµC¶PsC,PsPSC-PSPsPIPëC... C¶PµC†PµPiC,PsC¶C-PI
5P¶P¶, C,P°Pe C- PrPs PrPsPiP°PjC-PSPsPIPëC... C- C...PsP»C-PSPµC¶PiC-C†PSPëC...
C¶PµC†PµPiC,PsC¶C-PI. PhP»P°PSP·P°PiC-PS PjP°C" PIPëC%PëPNë C¶C-PIPµPSC¶
P·PiB¶™ C¶P·C¶PIP°PSPSC¶ P· C¶PµC†PµPiC,PsC¶P°PjPë C¶PµC¶PsC,PsPSC-PSCr 5P¶P¶₂,
PSC-P¶ P· C¶PµC†PµPiC,PsC¶P°PjPë PrPsPiP°PjC-PSCr D₂, C¶ PjPsPrPµP»C¶C... C¶Pe *in vitro*,
C,P°Pe C- *in vivo*. P•P»PµPeC,C¶PsC,,C-P·C-PsP»PsPiC-C†PSC- PrPsC¶P»C-PrP¶PµPSPSC¶
PiPsPeP°P·P°P»Pë, C%Ps PsP»P°PSP·P°PiC-PS C¶PµP»PµPeC,PëPIPsPs P·PjPµPSC€C¶C"
P·P±C¶PrP»PëPIC-C¶C,CHb PjPµP·PsP»C-PjP±C-C†PSPëC... (P¶10)
PrPsPiP°PjC-PSPµC¶PiC-C†PSPëC... PSPµPNëC¶PsPSC-PI, PIPëC¶PIP»C¶C¶Pë PiC¶Pë
C†CHbPsPjC¶ PSPµP·PSP°C†PSPëPNë PIPiP»PëPI PSP° C¶C,C¶C-P°C¶PSC- (P¶9) CëP»C¶C...Pë,
PiPsPiB¶™ C¶P·P°PSC- P· PjPsC,PsC¶PSPsC¶ C,,C¶PSPeC†C-C"¶. PhP»P°PSP·P°PiC-PS
PiP°P»CHbPjC¶C" C¶PjPsPIPsPëPNë C¶PµC,,P»PµPeC¶ C¶PSPëPePSPµPSPSC¶, C%Ps
C¶PIC-PrC†PëC,CHb PiC¶Ps PNëPsPiPs P°PSC,PëPiC¶PëC...PsC,PëC†PSCr P°PeC,PëPIPsC-C¶C,CHb
PiC¶Pë PiC¶PëPNëPsPjC- PI PrPsP·P°C..., PjPµPSC€PëC..., PSC-P¶ PrPsP·Pë, C%Ps
C¶PiC¶PëC†PëPSC¶C¶C,CHb PeP°C,P°P»PµPiC¶C-¶, C¶PeP° C" PsP·PSP°PePsC¶
PiPsP±C-C†PSPëC... PjPsC,PsC¶PSPëC... PµC,,PµPeC,C-PI. P¶P° PIC-PrPjC-PSCr PIC-Pr
PrPµC¶PePëC... C-PSC€PëC... P°PSC,PëPiC¶PëC...PsC,PëC†PSPëC... P»C-PeP°C¶C¶CHbPePëC...
P·P°C¶PsP±C-PI, PsP»P°PSP·P°PiC-PS PiPsC¶PëP»C¶C" C¶PµP°PeC†C-C— PSP°

PiPsPrCḡP°P·PSPëPePë PiCḡPë PiCḡPsPIPµPrPµPSPSC- P°PSPeCḡC-PsP»C-C,PëC‡PSPsPiPs
C,PµCḡC,Cḡ.

PµCḡPë PsPrPSPsCḡP°P·PsPIPsPjCḡ PiPµCḡPsCḡP°P»CHbPSPsPjCḡ PiCḡPëPNëPsPjC- 10 PjPi
PsP»P°PSP·P°PiC-PSCḡ Cḡ PiCḡPsC‡PµCḡC- PiPsP·PëC,CḡPsPSPSPs-PµPjC-CḡC-PNëPSPsC—
C,PsPjPsPiCḡP°C,,C-C— (PµP·Pḡ) P·P° CḡC‡P°CḡC,C- P·PrPsCḡPsPIPëC...
PrPsP±CḡPsPIPsP»CHbC‡C-PI P·bḡ™ CḡCḡPsPIP°PSPs, C%Ps PsP»P°PSP·P°PiC-PS PjP°PI
P±C-P»CHbCëPëPNë CḡC-PIPµPSCḡ P·PIbḡ™ CḡP·CḡPIP°PSPSCḡ P· CḡPµC‡PµPiC,PsCḡP°PjPë
5PḡPḡ_{2ph}, PSC-Pḡ P· PrPsPiP°PjC-PSPsPIPëPjPë CḡPµC‡PµPiC,PsCḡP°PjPë D₂. PḡCḡC-Pj C,PsPiPs,
Cḡ CḡPµP·CḡP»CHbC,P°C,C- P°PSP°P»C-P·Cḡ P·PsP±CḡP°PḡPµPSCḡ, PsC,CḡPëPjP°PSPëC...
PiC-Pr C‡P°Cḡ PrPsCḡP»C-PrPḡPµPSCḡ PiP°C‡C-C''PSC,C-PI, C...PIPsCḡPëC... PSP°
CëPëP·PsC,,CḡPµPSC-Cḡ, PjPµC,PsPrPsPj PsPrPSPsC,,PsC,PsPSPSPsC— PµPjC-CḡC-PNëPSPsC—
PePsPjPiPḡ™ CḡC,PµCḡPSPsC— C,PsPjPsPiCḡP°C,,C-C— (PḡPḡP·PḡPḡ),
P·bḡ™ CḡCḡCḡPIP°P»PsCḡCḡ, C%Ps C‡CḡC,P»PëPIC- PrPs PsP»P°PSP·P°PiC-PSCḡ
PiP°C‡C-C''PSC,Pë PIPëCḡPIP»CḡP»Pë PjPµPSCëPëPNë CḡC-PIPµPSCḡ
P·PIbḡ™ CḡP·CḡPIP°PSPSCḡ P·C- CḡC,CḡC-P°CḡPSPëPjPë D₂-CḡPµC‡PµPiC,PsCḡP°PjPë, PSC-Pḡ
C-PSCëC- P°PSC,PëPiCḡPëC...PsC,PëC‡PSC- C,P° CḡPëCḡPiPµCḡPëPrPsPSC‡CḡC,P»PëPIC-
PiP°C‡C-C''PSC,Pë PiPsCḡC-PIPSCḡPSPs P· PeP»PsP·P°PiC-PSC‡CḡC,P»PëPIPëPjPë
PiP°C‡C-C''PSC,P°PjPë.

PḡP»C-PSC-C‡PSP° PµC,,PµPeC,PëPIPSC-CḡC,CHb

PµC-Pr C‡P°Cḡ PrPIPsC... C-P· PrPIPsC... PiP»P°C‡PµP±Ps-PePsPSC,CḡPsP»CHbPsPIP°PSPëC... C-
PrPIPsC... C-P· C,CḡCHbPsC... PiPsCḡC-PIPSCḡP»CHbPSPs-PePsPSC,CḡPsP»CHbPsPIP°PSPëC...
PrPsCḡP»C-PrPḡPµPSCḡ P·P° CḡC‡P°CḡC,C- PiPsPSP°Pr 2900 C...PIPsCḡPëC... PSP°
CëPëP·PsC,,CḡPµPSC-Cḡ P· PiPsP·PëC,PëPIPSPëPjPë C- PSPµPiP°C,PëPIPSPëPjPë
CḡPëPjPiC,PsPjP°PjPë PsP»P°PSP·P°PiC-PS PiPsPeP°P·P°PI CḡC,P°C,PëCḡC,PëC‡PSPs
PrPsCḡC,PsPIC-CḡPSC- PrP°PSC- PiPsP»C-PiCëPµPSPSCḡ CḡPe PSPµPiP°C,PëPIPSPëC..., C,P°Pe
C- PiPsP·PëC,PëPIPSPëC... CḡPëPjPiC,PsPjC-PI.

Pj PiCḡPsC‡PµCḡC- PjC-PḡPSP°CḡPsPrPSPëC... PiPsPrPIC-PNëPSPëC... CḡP»C-PiPëC...
PiPsCḡC-PIPSCḡP»CHbPSPëC... PrPsCḡP»C-PrPḡPµPSCḡ P·P° CḡC‡P°CḡC,Cḡ 1481
C...PIPsCḡPëC... PSP° CëPëP·PsC,,CḡPµPSC-Cḡ, CëPëP·PsP°C,,PµPeC,PëPIPSC-CḡC,CHb C,P° P·
P°CḡPsC‡C-PNëPsPIP°PSPëPjPë P· C‡PëPjPë C...PIPsCḡPsP±P°PjPë CḡPsP·P»P°PrP°PjPë P·
CḡC-P·PSPëPj CḡC,CḡPiPµPSPµPj PiPsCḡCḡCëPµPSCḡ, C%Ps PiPsPiPḡ™ CḡP·P°PSC- P·
PrPµPiCḡPµCḡPëPIPSPëPjPë CḡPëPjPiC,PsPjP°PjPë (16,6 PiCḡPSPeC,P° P·P° CëPeP°P»PsCḡ
PḡPsPSC,PiPsPjPµCḡC--PḡCḡP±PµCḡPiP° PrP»Cḡ PsC‡C-PSPePë PrPµPiCḡPµCḡC-C—),
PiCḡPsCḡPiPµPeC,PëPIPSPµ PIC,PsCḡPëPSPSPµ PrPsCḡP»C-PrPḡPµPSPSCḡ PIC-Pr
PiPsC‡P°C,PeCḡ PrPs PeC-PSC‡Cḡ PsC‡C-PSPePë P·PjC-PS PSP°CḡC,CḡPsCḡ
PICḡC,P°PSPsPIPëP»Ps CḡC,P°C,PëCḡC,PëC‡PSPs P·PSP°C‡CḡC%Pµ PiPsPeCḡP°C%PµPSPSCḡ
(Cḡ = 0,001) PiC-CḡP»Cḡ P»C-PeCḡPIP°PSPSCḡ PsP»P°PSP·P°PiC-PSPsPj (-6,0)
PiPsCḡC-PIPSCḡPSPs P· C,P°PePëPj PiCḡPë P»C-PeCḡPIP°PSPSC- PiP°P»PsPiPµCḡPëPrPsP»PsPj
(-3,1).

Pj PiP°C‡C-C''PSC,C-PI P· PjP°PSC-P°PeP°P»CHbPSPëPjPë P°P±Ps P·PjC-CëP°PSPëPjPë
PµPiC-P·PsPrP°PjPë PiCḡPë P±C-PiPsP»CḡCḡPSPsPjCḡ CḡPsP·P»P°PrC- PsP»P°PSP·P°PiC-PS
PiCḡPsPrPµPjPsPSCḡC,CḡCḡPIP°PI PIPëCḡPsPeCḡ PµC,,PµPeC,PëPIPSC-CḡC,CHb Cḡ
P·PSPëPḡPµPSPSC- PjP°PSC-P°PeP°P»CHbPSPëC... CḡPëPjPiC,PsPjC-PI PiCḡPsC,CḡPiPsPj 3
C,PëPḡPSC-PI PiPsCḡC-PIPSCḡPSPs P· PiP»P°C‡PµP±Ps C,P° PIP°P»CHbPiCḡPsP°C,PsPj
PSP°C,CḡC-Cḡ (PrPëPIP°P»PiCḡPsPµPeCḡ). PḡP»P°PSP·P°PiC-PS C,P°PePsPḡ PiPsPeP°P·P°PI
PiPsCḡC-PIPSCḡPSPSCḡ PµC,,PµPeC,PëPIPSC-CḡC,CHb CḡPµP·CḡP»CHbC,P°C,C-PI P·
PiP°P»PsPiPµCḡPëPrPsP»PsPj Cḡ PiPµCḡPµCḡP°C...CḡPIP°PSPSC- PSP° C‡P°CḡC,PeCḡ

PiP°C†C-C" PSC, C-PI C-P. C†PëPjPiC, PsPjP°C, PëC†PSPsC† C†C, P°PrC-C" C† C†PµPjC-C†C-C—, PiPsC†PëPSP°C†C†Pë P· PjP°PSC-C— C, P° PrPµPiC†PµC†C-C— PSP° 6 C- 12 C, PëP¶PSC†C... P»C-PeC†PIP°PSPSC†. Pj PiC†PµC†PµC†C- PrPsC†P»C-PrP¶PµPSPSC† PiC-Pr C†P°C† C†C†PiC†C, PSC†PµPiPs P»C-PeC†PIP°PSPSC† P»C-C, C-C" Pj P°P±Ps PIP°P»C†PµC†PµP°C, PsPj PiC†PµC, C†PiPsPj 2 C, PëP¶PSC-PI P· PrPsPrP°PIP°PSPSC†Pj PsP»P°PSP·P°PiC-PSC† PI PrPsP·C- 10 PjPi PIC†C, P°PSPsPIP»PµPSPs P·PSP°C†PSPµ P·PSPëP¶PµPSPSC† C†PëPjPiC, PsPjC-PI PjP°PSC-C— PiPsC†C-PIPSC†PSPs P· C, P°PePëPj PiC†Pë PjPsPSPsC, PµC†P°PiC-C— P»C-C, C-C" Pj P°P±Ps PIP°P»C†PµC†PµP°C, PsPj PiC-C†P»C† 6 C, PëP¶PSC-PI P»C-PeC†PIP°PSPSC†.

Pj PiC†PµC†PµC†C- 12-PjC-C†C†C†PSPsPiPs PrPsC†P»C-PrP¶PµPSPSC† PiC†PµC, „C-P»P°PeC, PëPePë C†PµC†PëPrPëPIC-PI PjP°PSC-P°PeP°P»C†PSPëC... PµPiC-P·PsPrC-PI C† PiP°C†C-C" PSC, C-PI, C†PeC- PrPsC†C†PiP»Pë C†PµPjC-C†C-C— P·P° PrPsPiPsPjPsPiPsC† PsP»P°PSP·P°PiC-PSC† C- PI PiPsPrP°P»C†C†PµPjC† P±C†P»Pë C†P°PSPPrPsPjC-P·PsPIP°PSC- C† PiC†C†PiPë PiC†PëPµPsPjC† PsP»P°PSP·P°PiC-PSC† P°P±Ps PiP»P°C†PµP±Ps, PsP»P°PSP·P°PiC-PS PiC†PµPrPµPjPsPSC†C, C†C†PIP°PI C†C, P°C, PëC†C, PëC†PSPs P·PSP°C†C†C% C† PiPµC†PµPIP°PiC† PiPsC†C-PIPSC†PSPs P· PiP»P°C†PµP±Ps PI PeC-PSC†PµPIC-PNë C, PsC†C†C- PeC†PëC, PµC†C-C† PsC†C-PSPëPë C†PµC†PëPrPëPIC† P±C-PiPsP»C†C†PSPsPiPs C†PµP·P»P°PrC†. PhP»P°PSP·P°PiC-PS C, P°PePsP¶ PiPsPeP°P·P°PI C†C, P°C, PëC†C, PëC†PSPs P·PSP°C†C†C% C- PiPµC†PµPIP°PiPë PSP°Pr PiP»P°C†PµP±Ps PI C†P°PjPeP°C... P·P°PiPsP±C-PiP°PSPSC† C†PµC†PëPrPëPIC† PjP°PSC-C— P°P±Ps C†PµC†PëPrPëPIC† PrPµPiC†PµC†C-C—.

Pj PiC†PµC†PµC†C- PSP°C†C, C†PiPSPsPiPs 12-PjC-C†C†C†PSPsPiPs PrPsC†P»C-PrP¶PµPSPSC† PiC†PµC, „C-P»P°PeC, PëPePë C†PµC†PëPrPëPIC-PI PjP°PSC-P°PeP°P»C†PSPëC... PµPiC-P·PsPrC-PI C† PiP°C†C-C" PSC, C-PI, C†PeC- PrPsC†C†PiP»Pë C†PµPjC-C†C-C— C† C†PµP·C†P»C†C, P°C, C- C†C†PiC†C, PSC†PµPiPs P»C-PeC†PIP°PSPSC† PsP»P°PSP·P°PiC-PSPsPj C, P° P»C-C, C-C" Pj C- P·PiPsPrPsPj P±C†P»Pë C†P°PSPPrPsPjC-P·PsPIP°PSC- C† PiC†C†PiPë PiC†PëPµPsPjC† PsP»P°PSP·P°PiC-PSC† P°P±Ps P»C-C, C-C† PsPeC†PµPjPs, PsP»P°PSP·P°PiC-PS PSPµ PjP°PI C†C, P°C, PëC†C, PëC†PSPs P·PSP°C†C†C% PsC— PiPµC†PµPIP°PiPë PSP°Pr P»C-C, C-C" Pj C† PeC-PSC†PµPIC-PNë C, PsC†C†C- PeC†PëC, PµC†C-C† PsC†C-PSPëPë C†PµC†PëPrPëPIC† P±C-PiPsP»C†C†PSPsPiPs C†PµP·P»P°PrC† (PsP»P°PSP·P°PiC-PS 30 %, P»C-C, C-PNë 38,3 %, C† = 0,055).

Pj PiC†PµC†PµC†C- 18-PjC-C†C†C†PSPsPiPs PrPsC†P»C-PrP¶PµPSPSC† PiC-Pr C†P°C† C†C†PiC†C, PSC†PµPiPs P»C-PeC†PIP°PSPSC† PjP°PSC-P°PeP°P»C†PSPëC... P°P±Ps P·PjC-C†P°PSPëC... PµPiC-P·PsPrC-PI C†C, P°PS PiP°C†C-C" PSC, C-PI C†C, P°P±C-P»C-P·C†PIP°P»Pë P·P° PrPsPiPsPjPsPiPsC† PsP»P°PSP·P°PiC-PSC†, C†Pe C†C, P°P±C-P»C-P·P°C, PsC† PSP°C†C, C†PsC† P·P°C†C, PsC†PsPIC†PIP°P»Pë P»C-C, C-PNë P°P±Ps PIP°P»C†PµC†PµP°C,; PrPsPiPiPsC, C†PëPIP°P»Pµ C†C†PiC†C, PSC" P»C-PeC†PIP°PSPSC† PsP»P°PSP·P°PiC-PSPsPj C-P· P»C-C, C-C" Pj P°P±Ps PIP°P»C†PµC†PµP°C, PsPj PSPµ PIC†C, P°PSPsPiPëP»Ps C†C, P°C, PëC†C, PëC†PSPs P·PSP°C†C†C% PsC— PiPµC†PµPIP°PiPë PSP°Pr PjPsPSPsC, PµC†P°PiC-C" C† P»C-C, C-C" Pj P°P±Ps PIP°P»C†PµC†PµP°C, PsPj C- PIC-PrC, PµC†PjC-PSC†PIP°PSPSC† C†PµC†PëPrPëPIC-PI P±C-PiPsP»C†C†PSPëC... C†PµP·P»P°PrC-PI, PIPëP·PSP°C†PµPSPëC... PIC-PrPiPsPIC-PrPSPs PrPs C†PëPSPrC†PµPjPSPsPiPs (PrC-P°PiPSPsC†C, PëC†PSPsPiPs) PeC†PëC, PµC†C-C†.

P"C-C, Pë.

P"PsC†PIC-Pr P·P°C†C, PsC†C†PIP°PSPSC† PiC-PrP»C-C, PeP°Pj (PIC-PePsPj PIC-Pr 13 PrPs 17 C†PµPeC-PI) PsP±PjPµP¶PµPSPëPµ, PIC-PrPiPsPIC-PrPSPs PrPs PsC, C†PëPjP°PSPëC... PrP°PSPëC... C%PsPrPs PµC, „PµPeC, PëPIPSPsC†C, C- PePsC†PµC, PePsC, C†PëPIP°P»PsPiPs

P»C-PeCfPIP°PSPSClI C€P€P·PsC,,CfPµPSC-C— (6 C,P€P¶PSC-PI) C,P° PjP°PSC-C—, PİPsPIbT™ CİP·P°PSPsC— P· P±C-PİPsP»CİCfPSP€PjP€ CfPSP·P»P°PrP°PjP€ (3 C,P€P¶PSC-), P· CfC±P°CfC,Cf PjPµPSC€Pµ PSC-P¶ 200 PİC-PrP»C-C,P€C-PI. PµPsC±P°C,P€PsPIP° PrPsP·P° PsP»P°PSP·P°PİC-PSCf CfC,P°PSPsPIP€P»P° 2,5 PjPi C,P° PrPsCfCİPiP°P»P° 20 PjPi/PrPsP±Cf. PµC-Pr C±P°Cf P»C-PeCfPIP°PSPSClI PsP»P°PSP·P°PİC-PSPsPj PjP°CfP° C,C-P»P° Cf PİC-PrP»C-C,P€C-PI P·PSP°C±PSPs P·P±C-P»CHC€P€P»P°CfCİ PİPsCfC-PIPSCİPSPs P· PrPsCfPSPsCfP»P€PjP€. PJ PİC-PrP»C-C,P€C-PI CfPİPsCfC,PµCfC-PiP°P»PsCfCİ PİC-PrPIP€C%PµPSPSClI CfC-PIPSC-PI P·P°PiP°P»CHPSPsPiPs C...PsP»PµCfC,PµCfP€PSCf, C...PsP»PµCfC,PµCfP€PSCf P»C-PİPsPİCfPSPs,PµC—PSC-PI PSP€P·CHPePsC— C%C-P»CHPSPsCfC,C-, C,CfP€PiP»C-CfPµCfP€PrC-PI C,P° PİCfPSP»P°PeC,P€PSCf PİPsCfC-PIPSCİPSPs P· PrPsCfPSPsCfP»P€PjP€ (PrP€PI. CfPSP·PrC-P»P€ B«PhCfPSP±P»P€PIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCİB» C,P° B«PµPsP±C-C±PSC-CfPµP°PeC†C-C—B»). P°P°PSC- C%PsPrPs PİC-PrC,CfP€PjP°PSPSClI PµC,,PµPeC,Cf P»C-PeCfPIP°PSPSClI C,P° PrPsPIPiPsC,CfP€PIP°P»P€C... PrPsCfP»C-PrP¶PµPSCf, PsPrPµCfP¶P°PSC- P· PIC-PrPeCfP€C,P€C... PSPµPePsPSC,CfPSP»CHPsPIP°PSP€C... PeP»C-PSC-C±PSP€C... PrPsCfP»C-PrP¶PµPSCf, PsP±PjPµP¶PµPSC- (PrP€PI. CfPSP·PrC-P»P€ B«PhCfPSP±P»P€PIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCİB» C,P° B«PµPsP±C-C±PSC-CfPµP°PeC†C-C—B»).

PαP°CfPjP°PePsPeC-PSPµC,P€PeP°.

PbP±CfPSPCfP±C†C-Cİ

PhP»P°PSP·P°PİC-PS PrPsP±CfPµ PICfPjPsPeC,CfC”C,CHCfCİ PİC-CfP»Cİ PİPµCfPSPsCfP°P»CHPSPsPiPs PİCfP€PN€PsPjCf, PjP°PeCfP€PjP°P»CHPSP° PePsPSC†PµPSC,CfP°C†C-Cİ PN€PsPiPs Cf PİP»P°P·PjC- PeCfPSPIC- PrPsCfCİPiP°C”C,CHCfCİ C±PµCfPµP· 5-8 PİPsPrP€PS. P°P¶P€PIP°PSPSClI C—P¶C- PSPµ PİPİP»P€PIP°C” PSP° PICfPjPsPeC,CfPIP°PSPSClI PsP»P°PSP·P°PİC-PSCf. PbP±CfPSP»CHC,PSP° P±C-PsPrPsCfC,CfPİPSC-CfC,CH PİPµCfPSPsCfP°P»CHPSPsC— C,,PsCfPjP€ PİCfP€PN€PsPjCf PsP»P°PSP·P°PİC-PSCf PİPsCfC-PIPSCİPSPs P· PIPSCfC,CfC-C€PSCfPSPİPµPSPSPsCf PSPµ PICfC,P°PSPsPIP»PµPSP°.

P PsP·PİPsPrC-P»

P C-PIPµPSCf P·PIbT™ CİP·CfPIP°PSPSClI PsP»P°PSP·P°PİC-PSCf P· PİCfPSPs,PµC—PSP°PjP€ PİP»P°P·PjP€ PeCfPSPIC- CfC,P°PSPsPIP€PI PİCfP€P±P»P€P·PSPs 93 % PrP»Cİ PePsPSC†PµPSC,CfP°C†C-C— Cf PjPµP¶P°C... PIC-Pr 7 PrPs 1000 PSPi/PjP». PhP»P°PSP·P°PİC-PS P·PIbT™ CİP·CfC”C,CHCfCİ PİPµCfPµPIP°P¶PSPs P· P°P»CHP±CfPjC-PSPsPj C- a₁- PeP€CfP»P€Pj PiP»C-PePsPİCfPSPs,PµC—PSPsPj.

P’C-PsC,CfP°PSCfC,,PsCfPjP°C†C-Cİ

PhP»P°PSP·P°PİC-PS PjPµC,P°P±PsP»C-P·CfC”C,CHCfCİ Cf PİPµC±C-PSC†C- C€P»CİC...PsPj PePsPSPbT™ CfPiP°C†C-C— C,P° PsPeP€CfPSPµPSPSClI. PhCfPSPsPIPSP€Pj C†P€CfPeCfP»CHCfC±P€Pj PjPµC,P°P±PsP»C-C,PsPj C” 10-N-PiP»CHPeCfCfPSPSC-Pr, CİPeP€PN€ PSPµ PİCfPSPsPSP€PeP°C” PeCfC-P·CH PiPµPjP°C,PsPµPSC†PµC,,P°P»C-C±PSP€PN€ P±P°CfPbT™ C”Cf. PİP€C,PsC...CfPSPjP€ P450-CYP1A2 C- P450-CYP2D6 CfPİCfP€CİCfC,CH CfC,PIPsCfPµPSPSCf PjPµC,P°P±PsP»C-C,C-PI N-PrPµP·PjPµC,P€P»Cf C,P° 2-PiC-PrCfPSPsPeCfP€PjPµC,P€P»Cf, CİPeC- PIP€CİPIP»CİCfC,CH P·PSP°C±PSPs PjPµPSC€Cf C,,P°CfPjP°PePsP»PsPiC-C±PSCf P°PeC,P€PIPSC-CfC,CH *in vivo*, PSC-P¶ PsP»P°PSP·P°PİC-PS, Cf PİCfPSPsC†PµCfC- PrPsCfP»C-PrP¶PµPSCf PSP° C,PIP°CfP€PSP°C.... PµPµCfPµPIP°P¶P°CHC±P° C,,P°CfPjP°PePsP»PsPiC-C±PSP°

P°PeC, PēPIPSC-CīC, CH P·CíPjPsPIP»PμPSP° PīPμCīPIPēPSPSPēPj PsP»P°PSP·P°PīC-PSPsPj.

P'PēPIPμPrPμPSPSCī

PμC-CīP»Cī PīPμCīPsCīP°P»CHbPSPsPiPs P·P°CīC, PsCīCíPIP°PSPSCī CīPμCīPμPrPSC-PNē
PīPμCīC-PsPr PSP°PīC-PIPIPēPIPμPrPμPSPSCī Cí P·PrPsCīPsPIPēC...

PrPsP±CīPsPIPsP»CHbC†C-PI PePsP»PēPIP°PICīCī P·P°P»PμP¶PSPs PIC-Pr PIC-PeCí C, P°
CīC, P°C, C-.

Pj P·PrPsCīPsPIPēC... PrPsP±CīPsPIPsP»CHbC†C-PI P»C-C, PSCHbPsPiPs PIC-PeCí (PIC-PePsPj
PIC-Pr 65 CīPsPeC-PI), PīPsCīC-PIPSCīPSPs P· PjPsP»PsPrCēPēPjPē P·P° PIC-PePsPj
PrPsP±CīPsPIPsP»CHbC†CīPjPē, CīPμCīPμPrPSC-PNē PīPμCīC-PsPr
PSP°PīC-PIPIPēPIPμPrPμPSPSCī P±CíPI C, CīPēPIP°P»C-CēPēPNē (51,8 PīCīPsC, Pē
33,8 PiPsPrPēPSPē), P° PeP»C-CīPμPSCī PīCīPμPīP°CīP°C, Cí P±CíPI P·PSPēP¶PμPSPēPNē (17,5
PīCīPsC, Pē 18,2 P»/PiPsPrPēPSCí). PαP°CīPjP°PePsPeC-PSPμC, PēC†PSC- PePsP»PēPIP°PSPSCī,
C%Ps CīPiPsCīC, PμCīC-PiP°P»PēCīCī Cí PīP°C†C-C"°PSC, C-PI P»C-C, PSCHbPsPiPs PIC-PeCí,
P·PSP°C...PsPrPēP»PēCīCī Cí PjPμP¶P°C... PrC-P°PīP°P·PsPSCí, PIPēP·PSP°C†PμPSPsPiPs
PrP»Cī PjPsP»PsPrCēPēC... PsCīC-P±. Pj 44 C...PIPsCīPēC... PIC-PePsPj PIC-Pr 65 CīPsPeC-PI,
C...PIPsCīPēC... PSP° CēPēP·PsC,, CīPμPSC-Cī, PrPsP·Pē PIC-Pr 5 PrPs 20 PjPi PSP° PrPsP±Cí
PSPμ PIPiP»PēPIP°P»Pē PSP° C...P°CīP°PeC, PμCī PīPsP±C-C†PSPēC... CīPμP°PeC†C-PNē.

Pj P¶C-PSPsPe, PīPsCīC-PIPSCīPSPs P· C†PsP»PsPIC-PeP°PjPē, CīPμCīPμPrPSC-PNē
PīPμCīC-PsPr PSP°PīC-PIPIPēPIPμPrPμPSPSCī P±CíPI C, CīPēPIP°P»C-CēPēPNē
(36,7 PīCīPsC, Pē 32,3 PiPsPrPēPSPē), P° PeP»C-CīPμPSCī Cí PīP»P°P·PjC- PeCīPsPIC- P±CíPI
P·PSPēP¶PμPSPēPNē (18,9 PīCīPsC, Pē
27,3 P»/PiPsPrPēPSCí). PhPrPSP°Pe PsP»P°PSP·P°PīC-PS (5-20 PjPi)
PīCīPsPrPμPjPsPSCīC, CīCíPIP°PI P°PSP°P»PsPiC-C†PSPēPNē PīCīPsC,, C-P»CHb P±PμP·PīPμPePē
CīPe Cí P¶C-PSPsPe (n = 467), C, P°Pe C- Cí C†PsP»PsPIC-PeC-PI (n = 869).

PμP°C†C-C"°PSC, Pē P· PSPēCīPePsPIPsCī PSPμPrPsCīC, P°C, PSC-CīC, Cī

Pj PīP°C†C-C"°PSC, C-PI C-P· PīPsCīCíCēPμPSPSCīPjPē C,, CíPSPeC†C-C— PSPēCīPsPe
(PeP»C-CīPμPSCī PeCīPμP°C, PēPSC-PSCí <10 PjP»/C...PI), PīPsCīC-PIPSCīPSPs P·C-
P·PrPsCīPsPIPēPjPē PrPsP±CīPsPIPsP»CHbC†CīPjPē, P±CíP»P° PIC-PrCíCíC, PSCī
C-CīC, PsC, PSP° CīC-P·PSPēC†Cī Cí CīPμCīPμPrPSCbPsPjCí PīPμCīC-PsPrC-
PSP°PīC-PIPIPēPIPμPrPμPSPSCī (37,7 PīCīPsC, Pē 32,4 PiPsPrPēPSPē) C, P° PeP»C-CīPμPSCīC-
PīCīPμPīP°CīP°C, Cí (21,2 PīCīPsC, Pē 25,0 P»/PiPsPrPēPSCí). PhPSP°P»C-P· PjP°CíPsPIPsPiPs
P±P°P»P°PSCíCí PīPsPeP°P·P°PI, C%Ps PīCīPēP±P»PēP·PSPs 57 % PsP»P°PSP·P°PīC-PSCí P·
CīP°PrC-PsP°PeC, PēPIPSsCī PjC-C, PePsCī P±CíP»Pē PSP°CīPIPS- Cí CīPμC†C-,
PiPsP»PsPIPSēPj C†PēPSPsPj Cí PIPēPiP»CīPrC- PjPμC, P°P±PsP»C-C, C-PI.

PμP°C†C-C"°PSC, Pē P· PīPμC†C-PSPePsPIPsCī PSPμPrPsCīC, P°C, PSC-CīC, Cī

Pj PīCīPsC†PμCīC- PrPsCīP»C-PrP¶PμPSPSCī PIPiP»PēPICí PīPμC†C-PSPePsPIPsC—
PSPμPrPsCīC, P°C, PSPsCīC, C- P· CíC†P°CīC, Cī 6 PīP°C†C-C"°PSC, C-PI P· PeP»C-PSC-C†PSPs
P·PSP°C†CíC%PēPj C†PēCīPsP·PsPj (PeP»P°Cí A (n = 5) C, P° B (n = 1) P·P° CēPeP°P»PsCī
PŠP°PNēP»PrP°-PμbT[™] Cī) P±CíP»Ps PIPēCīPIP»PμPSPs PSPμP·PSP°C†PSPēPNē PIPiP»PēPI PSP°
C,, P°CīPjP°PePsPeC-PSPμC, PēPeCí PīPμCīPsCīP°P»CHbPSPs PIPiPμPrPμPSPsPiPs
PsP»P°PSP·P°PīC-PSCí (PsPrPSPsCīP°P·PsPIP° PrPsP·P° CīC, P°PSPsPIPēC, CHb 2,5-7,5 PjPi).
PμP°C†C-C"°PSC, Pē P· P»PμPiPePēPjPē C, P° PīPsPjC-CīPSPēPjPē PīPsCīCíCēPμPSPSCīPjPē
C,, CíPSPeC†C-C— PīPμC†C-PSPePē PjP°P»Pē PrPμC%Ps PīC-PrPIPēC%PμPSPēPNē
CīPēCíC, PμPjPSPēPNē PeP»C-CīPμPSCí C, P° P±C-P»CHbCē CēPIPēPrPePēPNē PīPμCīC-PsPr

PIPëPIPµPrPµPSPSCİ PİPsCḡC-PIPSCİPSPs P· PİP°C†C-C"ḡPSC,P°PjPë, Cr CİPePëC... PSPµ
P±CrP»Ps PİPsCḡCrC€PµPSPSCİ C„CrPSPeC†C-C— PİPµC†C-PSPePë (n = 3). PŸPµCḡPµPr
PİP°C†C-C"ḡPSC,C-PI C-P· C†PëCḡPsP·PsPj P±CrP»Ps P±C-P»CHC€Pµ PeCrCḡC†C-PI (4/6; 67 %),
PSC-P¶ C†PµCḡPµPr PİP°C†C-C"ḡPSC,C-PI P±PµP· PİPsCḡCrC€PµPSPSCİ C„CrPSPeC†C-C—
PİPµC†C-PSPePë (0/3; 0 %).

PµP°C†C-C"ḡPSC,Pë, CİPeC- PİP°P»CİC,CH

P' PsC†C-P±, CİPeC- PSPµ PİP°P»CİC,CH, PİPsCḡC-PIPSCİPSPs P· PsC†PsP±P°PjPë, CİPeC-
PjP°CḡC,CH P·PIPëC†PeCr PİP°P»PëC,Pë (C†PsP»PsPIC-PePë C- P¶C-PSPePë),
C†PµCḡPµPrPSC-PNë PİPµCḡC-PsPr PSP°PİC-PIPIPëPIPµPrPµPSPSCİ
PİPsPrPsPIP¶C†PİP°PIC†Cİ (38,6 PİCḡPsC,Pë 30,4 PİPsPrPëPSPë), P° PeP»C-CḡPµPSC† Cr
PİP°P°P·PjC- PeCḡPsPIC- P±CrPI P·PSPëP¶PµPSPëPNë (18,6 PİCḡPsC,Pë 27,7 P»/PİPsPrPëPSC†).

PḡP»C-CḡPµPSC† PsP»P°PSP·P°PİC-PSC† Cr PİP°P°P·PjC- PeCḡPsPIC- PSPëP¶C†PëPNë Cr
PsC†C-P± P»C-C,PSCḡPsPİPs PIC-PeCr PİPsCḡC-PIPSCİPSPs P· PjPsP»PsPrPëPjPë, Cr
P¶C-PSPsPe, PİPsCḡC-PIPSCİPSPs P· C†PsP»PsPIC-PeP°PjPë, C,P° PI PsC†C-P±, CİPeC- PSPµ
PİP°P»CİC,CH, PİPsCḡC-PIPSCİPSPs P· C,PëPjPë, C...C,Ps PjP°C" P·PIPëC†PeCr PİP°P»PëC,Pë.
PµCḡPsC,Pµ C†C,C†PİC-PSCḡ PİPİP»PëPIC† PIC-PeCr, C†C,P°C,C- P°P±Ps PİP°P»C-PSPSCİ
PSP° PeP»C-CḡPµPSC† PsP»P°PSP·P°PİC-PSC† Cr PİP°P°P·PjC- PeCḡPsPIC- C,P° PİPµCḡC-PsPr
PSP°PİC-PIPIPëPIPµPrPµPSPSCİ PsP»P°PSP·P°PİC-PSC† PSPµP·PSP°C†PSPëPNë,
PİPsCḡC-PIPSCİPSPs P·C- P·P°PİP°P»CHPSPsCḡ PjC-PSP»PëPIC-C†C,CH PjC-P¶
C-PSPPrPëPIC-PrCrCrPjP°PjPë.

Pj PİCḡPsC†PµC†C- PrPsC†P»C-PrP¶PµPSCḡ P·P° CrC†P°C†C,CH PİP°C†C-C"ḡPSC,C-PI-
C"ḡPICḡPsPİPµPNëC†C-PI, PİP°C†C-C"ḡPSC,C-PI CİPİPsPSC†CHPePsC— C,P°
PePëC,P°PNëC†CHPePsC— PSP°C†C-PsPSP°P»CHPSPsC†C,PµPNë PIC-PrPjC-PSPSPsC†C,PµPNë Cr
C„P°CḡPjP°PePsPeC-PSPµC,PëC†C- PsP»P°PSP·P°PİC-PSC† PSPµ PIPëCİPIP»PµPSPs.

P"C-C,Pë

PαP°CḡPjP°PePsPeC-PSPµC,PëPeP° PsP»P°PSP·P°PİC-PSC† Cr PİC-PrP»C-C,PeC-PI C-
PrPsCḡPsC†P»PëC... PİPsPrC-P±PSP°. Pj PİCḡPsC†PµC†C- PeP»C-PSC-C†PSPëC...
PrPsC†P»C-PrP¶PµPSCḡ C†PµCḡPµPrPSC-PNë PİPİP»PëPI PsP»P°PSP·P°PİC-PSC† P±CrPI
PİCḡPëP±P»PëP·PSPs PSP° 27 % PIPëC‰PëPNë Cr PİC-PrP»C-C,PeC-PI.
P"µPjPsPİCḡP°C„C-C†PSC- PIC-PrPjC-PSPSPsC†C,C- PjC-P¶ PİC-PrP»C-C,PeP°PjPë C-
PrPsCḡPsC†P»PëPjPë PİPeP»CḡC†P°CḡC,CH PSPëP¶C†Cr C†PµCḡPµPrPSCḡ PjP°C†Cr C,C-P»P°
C,P° PjPµPSC€Cr PeC-P»CHPeC-C†C,CH PeCrCḡC†C-PI C†PµCḡPµPr PİP°C†C-C"ḡPSC,C-PI
PİC-PrP»C-C,PePsPİPsPİPs PIC-PeCr. PŸP°PeC- C„P°PeC,PsCḡPë, C-PjPsPIC-CḡPSPs,
PİPİP»PëPIP°CḡC,CH PSP° PIPëC‰PëPNë C†PµCḡPµPrPSC-PNë PµC„PµPeC,
PsP»P°PSP·P°PİC-PSC†, C‰Ps C†PİPsC†C,PµCḡC-PİP°PIC†Cİ Cr PİC-PrP»C-C,PeC-PI.

PḡP»C-PSC-C†PSC- C...P°CḡP°PeC,PµCḡPëC†C,PëPePë.

PµPsPeP°P·P°PSPSCİ.

PḡP»P°PSP·P°PİC-PS PİPsPeP°P·P°PSPëPNë PrP»Cİ P»C-PeCrPIP°PSPSCİ
C€PëP·PsC„CḡPµPSC-C—.

PḡP»P°PSP·P°PİC-PS PµC„PµPeC,PëPIPSPëPNë PrP»Cİ PİC-PrC,CḡPëPjP°PSPSCİ
PrPsC†CİPiPSC†C,PsPİPs PeP»C-PSC-C†PSPsPİPs PµC„PµPeC,C† PİC-Pr C†P°C†

C,CḡPḡPIP°P»PSC— C,PμCḡP°PīC—C— Cḡ PīP°C†C—C”PSC,C—PI, Cḡ CḡPePḡC...
CḡPīPsCḡC,PμCḡC—PīP°P»P°CḡCḡ PIC—PrPīPsPIC—PrCH PSP° PīPsC†P°C,PePsPICḡ
C,PμCḡP°PīC—Cḡ.

PḡP»P°PSP·P°PīC—PS PīPsPeP°P·P°PSPḡPNḡ PrP»Cḡ P»C—PeCḡPIP°PSPSCḡ
PjP°PSC—P°PeP°P»CHḡPSPḡC... PμPīC—P·PsPrC—PI PīPsPjC—CḡPSPsPīPs C,P° C,CḡPḡPePsPīPs
CḡC,CḡPīPμPSCḡ.

PḡP»P°PSP·P°PīC—PS PīPsPeP°P·P°PSPḡPNḡ PrP»Cḡ PīCḡPsC,,C—P»P°PeC,PḡPePḡ
PīPsPIC,PsCḡPSPḡC... PSP°PīP°PrC—PI Cḡ PīP°C†C—C”PSC,C—PI P· P±C—PīPsP»CḡCḡPSPḡPjPḡ
CḡPsP·P»P°PrP°PjPḡ, Cḡ CḡPePḡC... P±CḡP»Ps PsC,CḡPḡPjP°PSPs PīPsP·PḡC,PḡPIPSCḡ
PIC—PrPīPsPIC—PrCH PīCḡPḡ P»C—PeCḡPIP°PSPSC— PsP»P°PSP·P°PīC—PSPsPj PjP°PSC—C—.

PμCḡPsC,PḡPīPsPeP°P·P°PSPSCḡ.

PμC—PrPIPḡC%PμPSP° C†CḡC,P»PḡPIC—CḡC,CH PrPs PrC—CḡC†PsC— CḡPμC†PsPIPḡPSPḡ P°P±Ps
PrPs P±CḡPrCH—CḡPePsC— P· PrPsPīPsPjC—PḡPSPḡC... CḡPμC†PsPIPḡPS PīCḡPμPīP°CḡP°C,Cḡ;
PIC—PrPsPjPḡPNḡ CḡPḡP·PḡPe P·P°PeCḡPḡC,PsPeCḡC,PsPIPSC— PīP»P°CḡPePsPjPḡ.

P’P·P°C”PjPsPrC—Cḡ P· C—PSCḡPḡPjPḡ P»C—PeP°CḡCḡCHḡPePḡPjPḡ P·P°CḡPsP±P°PjPḡ C,P° C—PSCḡC— PIPḡPrPḡ PIP·P°C”PjPsPrC—PNḡ.

P’C—PrPsPjPs, C%Ps PrPsCḡP»C—PrPḡPμPSPSCḡ PIP·P°C”PjPsPrC—C— P· C—PSCḡPḡPjPḡ
P»C—PeP°CḡCḡCHḡPePḡPjPḡ P·P°CḡPsP±P°PjPḡ PīCḡPsPIPPrPḡP»Pḡ C,C—P»CHḡPePḡ P·
CḡC†P°CḡC,Cḡ PrPsCḡPsCḡP»PḡC....

P’P·P°C”PjPsPrC—C—, C%Ps PjP°CḡC,CH PīPsC,PμPSC†C—PNḡPSPḡPNḡ PIPīP»PḡPI PSP°
PsP»P°PSP·P°PīC—PS

PḡCḡPeC—P»CHḡPePḡ PsP»P°PSP·P°PīC—PS PjPμC,P°P±PsP»C—P·CḡC”C,CHCḡCḡ
C—P·PsC,,PμCḡPjPμPSC,PsPj CYP1A2, CḡPμC†PsPIPḡPSPḡ, C%Ps CḡPīPμC†PḡC,,C—C†PSPs
C—PSPiC—P±CḡCḡC,CH P°P±Ps C—PSPḡCḡPeCḡCḡC,CH C†PμPNḡ C—P·PsC,,PμCḡPjPμPSC,,
PjPsPḡCḡC,CH PIPīP»PḡPIP°C,Pḡ PSP° C,,P°CḡPjP°PePsPeC—PSPμC,PḡPeCḡ
PsP»P°PSP·P°PīC—PSCḡ.

P†PSPḡCḡPeC,PsCḡPḡ CYP1A2

PḡPμC,P°P±PsP»C—P·Pj PsP»P°PSP·P°PīC—PSCḡ PjPsPḡPμ P±CḡC,Pḡ C—PSPḡCḡPePsPIP°PSPḡPNḡ
PīP°P»C—PSPSCḡPj C,P° P·P°CḡC,PsCḡCḡPIP°PSPSCḡPj PeP°CḡP±P°PjP°P·PμPīC—PSCḡ,
CḡPePḡPNḡ PīCḡPḡP·PIPPrPḡC,CH PrPs P·PSPḡPḡPμPSPSCḡ PePsPSC†PμPSC,CḡP°C†C—C—
PsP»P°PSP·P°PīC—PSCḡ. PḡPīPsCḡC,PμCḡC—PīP°P»PsCḡCḡ CḡP»P°P±PePμ P°P±Ps
PīPsPjC—CḡPSPμ PīC—PrPIPḡC%PμPSPSCḡ PeP»C—CḡPμPSCḡCḡ PsP»P°PSP·P°PīC—PSCḡ.
PḡP»C—PSC—C†PSC— PIPḡCḡPSPsPIPḡPePḡ PsP±PjPμPḡPμPSC—, P°P»Pμ
CḡPμPePsPjPμPSPḡCḡC,CHCḡCḡ PeP»C—PSC—C†PSPḡPNḡ PjPsPSC—C,PsCḡPḡPSPi C,P°,
CḡPeC%Ps PSPμPsP±C...C—PrPSPs, P·P±C—P»CHḡCḡPμPSPSCḡ PrPsP·Pḡ PsP»P°PSP·P°PīC—PSCḡ
(PrPḡPI. CḡPsP·PrC—P» B«PḡPīPsCḡC—P± P·P°CḡC,PsCḡCḡPIP°PSPSCḡ C,P° PrPsP·PḡB»).

P†PSPiC—P±C—C,PsCḡPḡ CYP1A2

$P\alpha P \gg C_f P_s P_e C_f P^\circ P_j C - PS$, $C_f P_i P_\mu C \dagger P_e C$, $C - C \dagger PSP \ddot{P} N_\infty C - PSPiC - P \pm C - C$, $PsC\overline{H}$ CYP1A2,
 $C - C_f C$, PsC , $PSPs$ $P \cdot PSP \ddot{P} P \parallel C_f C''$ $P_j P_\mu C$, $P^\circ P \pm PsP \gg C - P \cdot P_j$ $PsP \gg P^\circ PSP \cdot P^\circ P_i C - PSC_f$. $P_i P_\mu$
 $P_i C\overline{H} P \ddot{P} P \cdot PIPsPrP \ddot{P} C$, CH $PrPs$ $C_f P_\mu C\overline{H} P_\mu PrPSC\overline{H} PsPiPs$ $P \cdot C\overline{H} PsC_f C$, $P^\circ PSPSC_i$
 $P_j P^\circ P_e C_f P \ddot{P} P_j P^\circ P \gg CH PSPsC - PePsPSC \dagger P_\mu PSC$, $C\overline{H} P^\circ C \dagger C - C - (C_{max})$ $P_i C - C_f P \gg C_i$ $P_i C\overline{H} P \ddot{P} P N_\infty PsP_j C_f$
 C , $P \gg C_f P_s P_e C_f P^\circ P_j C - PSC_f$ PSP° 54 % $C_f P_\mu C\overline{H} P_\mu PrP \parallel C - PSPsPe$, $C_i P_e C - PSP_\mu$ $P_i P^\circ P \gg C_i C$, CH ,
 C , $P^\circ PSP^\circ$ 77 % $C_f P_\mu C\overline{H} P_\mu PrP$ $C \dagger PsP \gg PsPIC - PeC - PI$, $C_i P_e C - P_i P^\circ P \gg C_i C$, CH . $P\ddot{Y} P_\mu C\overline{H} P_\mu PrPSC''$
 $P \cdot C\overline{H} PsC_f C$, $P^\circ PSPSC_i$ $P_i P \gg PsC\%_o C - P_i C - PrC$, $P^\circ C\overline{H} P_j P^\circ P_e PsPeC - PSP_\mu C$, $P \ddot{C} \dagger PSPsC\overline{H}$
 $PeC\overline{H} P \ddot{P} IPsC\overline{H}$ $B \ll PePsPSC \dagger P_\mu PSC$, $C\overline{H} P^\circ C \dagger C - C_i - C \dagger P^\circ C_f B \gg$ (AUC) $PsP \gg P^\circ PSP \cdot P^\circ P_i C - PSC_f B$
 $C_f C$, $P^\circ PSPsPIP \ddot{P} C$, CH 52 % C , P° 108 % $PIC - PrPiPsPIC - PrPSPs$. $P'' P \gg C_i$ $P_i P^\circ C \dagger C - C'' PSC$, $C - PI$,
 $C_i P_e C - P \cdot P^\circ C_f C$, $PsC_f PsPIC_f C\overline{H} C$, CH C , $P \gg C_f P_s P_e C_f P^\circ P_j C - PS$ $P^\circ P \pm Ps$ $P \pm C_f PrCH - C_i P_e C -$
 $C - PSC \epsilon C - C - PSPiC - P \pm C - C$, $PsC\overline{H} P \ddot{P}$ CYP1A2, $PSP^\circ P_i C\overline{H} P \ddot{P} PeP \gg P^\circ Pr$
 $C \dagger P \ddot{P} P_i C\overline{H} PsC$, $P \gg PsPeC_f P^\circ C \dagger P \ddot{P} PS$, $PSP_\mu PsP \pm C \dots C - PrPSPs$ $P_i C\overline{H} P \ddot{P} P \cdot PSP^\circ C \dagger P^\circ C$, $P \ddot{P}$
 $P \cdot PSP \ddot{P} P \parallel P_\mu PSC - PrPsP \cdot P \ddot{P}$ $PsP \gg P^\circ PSP \cdot P^\circ P_i C - PSC_f$. $P_k P_\mu PsP \pm C \dots C - PrPSPs$
 $C\overline{H} PsP \cdot P_i P \gg C_i PSC_f C$, $P \ddot{P}$ $P_j PsP \parallel P \gg P \ddot{P} PIC - C_f C$, CH $P \cdot PSP \ddot{P} P \parallel P_\mu PSPSC_i$ $PrPsP \cdot P \ddot{P}$
 $PsP \gg P^\circ PSP \cdot P^\circ P_i C - PSC_f$, $C_i P_e C\%_o Ps$ $C - PSC - C \dagger C - P N_\infty PsPIP^\circ PSPs$ $P \gg C - PeC_f PIP^\circ PSPSC_i$
 $C - PSPiC - P \pm C - C$, $PsC\overline{H} PsP_j$ CYP1A2.

$P - PSP \ddot{P} P \parallel P_\mu PSPSC_i$ $P \pm C - PsPrPsC_f C$, $C_f P_i P_s P_s C_f C$, $C -$

$P - P^\circ C_f C$, $PsC_f C_f PIP^\circ PSPSC_i$ $P^\circ PeC$, $P \ddot{P} IPsPIP^\circ PSPsPiPs$ $PIC_f PiC - P \gg C_i$ $P \cdot PSP \ddot{P} P \parallel C_f PIP^\circ P \gg Ps$
 $P_i P_\mu C\overline{H} PsC\overline{H} P^\circ P \gg CH PSC_f$ $P \pm C - PsPrPsC_f C$, $C_f P_i P_s C - C_f C$, CH $PsP \gg P^\circ PSP \cdot P^\circ P_i C - PSC_f$ PSP°
 50-60 % $C - P_i PsPIP \ddot{P} PSPsP_s$ $P \cdot P^\circ C_f C$, $PsC_f PsPIC_f PIP^\circ C$, $P \ddot{C} C_f C_i$ $P_i C\overline{H} PsC$, $C_i P_i PsP_j$ 2 $P_i PsPrP \ddot{P} PS$
 $PrPs$ $P_i C\overline{H} P \ddot{P} P N_\infty PsP_j C_f$ $P^\circ P \pm Ps$ 2 $P_i PsPrP \ddot{P} PS$ $P_i C - C_f P \gg C_i$ $P_i C\overline{H} P \ddot{P} P N_\infty PsP_j C_f$
 $PsP \gg P^\circ PSP \cdot P^\circ P_i C - PSC_f$.

$P\alpha P \gg C_f P_s P_e C_f P_\mu C$, $P \ddot{P} PS$ ($C - PSPiC - P \pm C - C$, $PsC\overline{H}$ CYP 2D6), $PsPrPSPsC\overline{H} P^\circ P \cdot PsPIP^\circ$ $PrPsP \cdot P^\circ$
 $P^\circ PSC$, $P^\circ C \dagger P \ddot{P} PrC - PI$, $C\%_o Ps$ $P_j C - C_f C$, $C_i C$, CH $P^\circ P \gg C\overline{H} P_j C - PSC - P N_\infty C$, P° $P_j P^\circ P_i PSC - P N_\infty$, $P^\circ P \pm Ps$
 $C \dagger P \ddot{P} P_j P_\mu C$, $P \ddot{P} PrP \ddot{P} PSC_f$ $C - C_f C$, PsC , $PSPs$ PSP_μ $PIP_i P \gg P \ddot{P} IPIP^\circ P \gg P \ddot{P}$ PSP°
 C , $P^\circ C\overline{H} P_j P^\circ P_e PsPeC - PSP_\mu C$, $P \ddot{P} PeC_f$ $PsP \gg P^\circ PSP \cdot P^\circ P_i C - PSC_f$.

$P_\mu PsC$, $P_\mu PSC \dagger C - P N_\infty PSP^\circ$ $P \cdot PrP^\circ C$, $PSC - C_f C$, CH $PsP \gg P^\circ PSP \cdot P^\circ P_i C - PSC_f$ $PIP \cdot P^\circ C'' P_j PsPrC - C_i C$, $P \ddot{P}$
 $P \cdot C - PSC \epsilon P \ddot{P} P_j P \ddot{P}$ $P \gg C - PeP^\circ C\overline{H} C_f CH P_e P \ddot{P} P_j P \ddot{P}$ $P \cdot P^\circ C_f PsP \pm P^\circ P_j P \ddot{P}$

$PhP \gg P^\circ PSP \cdot P^\circ P_i C - PS$ $P_j PsP \parallel P_\mu$ $PIP \ddot{P} C_i PIP \gg C_i C$, $P \ddot{P}$ $P^\circ PSC$, $P^\circ P_i PsPSC - P \cdot P_j$ $PrPs$ $P_\mu C$, $P_\mu PeC$, $C - PI$
 $P_i C\overline{H} C_i P_j P \ddot{P} C \dots C$, P° $PSP_\mu P_i C\overline{H} C_i P_j P \ddot{P} C \dots P^\circ P_i PsPSC - C_f C$, $C - PI$ $PrPsP_i P^\circ P_j C - PSC_f$.

$PhP \gg P^\circ PSP \cdot P^\circ P_i C - PS$ PSP_μ $P_i C\overline{H} P \ddot{P} P_i PSC - C \dagger C_f PIP^\circ PI$ $PsC_f PSPsPIPSC - CYP$ 450-
 $C - P \cdot PsC$, $P_\mu C\overline{H} P_j P_\mu PSC$, $P \ddot{P}$ ($PSP^\circ P_i C\overline{H} P \ddot{P} PeP \gg P^\circ Pr$, 1P_h2, 2D6, 2C9, 2C19, 3A4) *in vitro*. $P\ddot{Y} P^\circ PeP \ddot{P} P_j$
 $C \dagger P \ddot{P} PSPsP_j$, PSP_μ $PsC \dagger C - PeC_f C'' C$, $CHC_f C_i$ $PSC - C_i P_e P \ddot{P} C \dots PsC_f PsP \pm P \gg P \ddot{P} IP \ddot{P} C \dots$
 $PIP \cdot P^\circ C'' P_j PsPrC - P N_\infty$, $C\%_o Ps$ $P_i C - PrC$, $PIP_\mu C\overline{H} PrP \parallel P_\mu PSPs$ PI $PrPsC_f P \gg C - PrP \parallel P_\mu PSPSC_i C \dots$ *in*
vivo, PrP_μ PSP_μ $PIC - PrP \cdot PSP^\circ C \dagger P^\circ P \gg PsC_f CH$ $C - PSPiC - P \pm C_f PIP^\circ PSPSC_i$
 $P_j P_\mu C$, $P^\circ P \pm PsP \gg C - P \cdot P_j C_f$ $PsP \gg P^\circ PSP \cdot P^\circ P_i C - PSC_f$ $P_i C\overline{H} P \ddot{P}$ $P \cdot P^\circ C_f C$, $PsC_f C_f PIP^\circ PSPSC - C$, $P^\circ PeP \ddot{P} C \dots$
 $P^\circ PeC$, $P \ddot{P} IPSP \ddot{P} C \dots C\overline{H} P_\mu C \dagger PsPIP \ddot{P} PS$: C , $C\overline{H} P \ddot{P} C \dagger P \ddot{P} PeP \gg C - C \dagger PSP \ddot{P} C \dots$
 $P^\circ PSC$, $P \ddot{P} PrP_\mu P_i C\overline{H} P_\mu C_f P^\circ PSC$, $C - PI$ ($C\%_o Ps$ $P_i C\overline{H} P_\mu PrC_f C$, $P^\circ PIP \gg C_i C\overline{H} C$, CH
 $P_i P_\mu C\overline{H} P_\mu PIP^\circ P \parallel PSPs$ $C \epsilon P \gg C_i C \dots CYP2D6$), $PIP^\circ C\overline{H} C$, $P^\circ C\overline{H} P \ddot{P} PSC_f$ (CYP2C9),
 C , $P_\mu PsC$, $C - P \gg C - PSC_f$ (CYP1A2) $P^\circ P \pm Ps$ $PrC - P^\circ P \cdot P_\mu P_i P^\circ P_j C_f$ (CYP3A4, 2C19).

$P_k P_\mu$ $P \pm C_f P \gg Ps$ $PIC - PrP \cdot PSP^\circ C \dagger P_\mu PSPs$ $PIP \cdot P^\circ C'' P_j PsPrC - C - PsP \gg P^\circ PSP \cdot P^\circ P_i C - PSC_f$ $P_i C\overline{H} P \ddot{P}$
 $P \cdot P^\circ C_f C$, $PsC_f C_f PIP^\circ PSPSC - P N_\infty PsPiPs$ $P \cdot P \gg C - C$, $C - C'' P_j$ $P^\circ P \pm Ps$ $P \pm C - P_i P_\mu C\overline{H} P \ddot{P} PrP_\mu PSPsP_j$.

$P\ddot{Y} P_\mu C\overline{H} P^\circ P_i P_\mu PIC$, $P \ddot{C} \dagger PSP \ddot{P} P N_\infty$ $P_j PsPSC - C$, $PsC\overline{H} P \ddot{P} PSP_i$ $C\overline{H} C - PIPSC_i$ $PIP^\circ P \gg CH P_i C\overline{H} PsP^\circ C$, C_f PI
 $P_i P \gg P^\circ P \cdot P_j C - PeC\overline{H} PsPIC - PSP_\mu$ $PIP \ddot{P} C_i PIP \ddot{P} PI$ $PSP_\mu PsP \pm C \dots C - PrPSPsC_f C$, $C - PePsC\overline{H} P_\mu PeC \dagger C - C -$

PrPsP·Pë PIP°P»CHPİCḡPsP°C,Cr PİCḡPë CÍCrPİCÍC,PSCHPsPjCr P·P°CÍC,PsCÍCrPIP°PSPSC- P·PsP»P°PSP·P°PİC-PSPsPj.

P—P°PiP°P»CHBPSP° P°PeC,PëPIPSC-CÍC,CH C%PsPrPs C†PµPSC,CḡP°P»CHBPSPsC—PSPµCḡPIPsPIPsC— CÍPëCÍC,PµPjPë (PİPÍPŸ)

P— PsP±PµCḡPµP¶PSC-CÍC,Cḡ CÍP»C-Pr P·P°CÍC,PsCÍPsPICÍPIP°C,Pë PsP»P°PSP·P°PİC-PS PİP°C†C-C"°PSC,P°Pj, CİPeC- PİCḡPëPNëPjP°CḡC,CH PµC,P°PSPsP» P°P±Ps P»C-PeP°CḡCÍCHPeC- P·P°CÍPsP±Pë, C%Ps PjPsP¶CÍC,CH CÍPİCḡPëC†PëPSPëC,Pë PİCḡPëPiPSC-C†PµPSPSCİ PİPÍPŸ.

PŸCrPİCÍC,PSC" P·P°CÍC,PsCÍCrPIP°PSPSCİ PsP»P°PSP·P°PİC-PSCr P·P°PSC,PëPİP°CḡPeC-PSCÍPsPSC-C†PSPëPjPë PİCḡPµPİP°CḡP°C,P°PjPë PİP°C†C-C"°PSC,P°Pj C-P·C...PIPsCḡPsP±PsCḡ PµP°CḡPeC-PSCÍPsPSP° C,P° PrPµPjPµPSC†C-C"°Cḡ PSPµ CḡPµPePsPjPµPSPrCÍC"°C,CHCÍCİ (PrPëPI. CḡPsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCrPIP°PSPSCİB»).

P†PSC,PµCḡPIP°P» QTc

PŸP»C-Pr P· PsP±PµCḡPµP¶PSC-CÍC,Cḡ PİCḡPëP·PSP°C†P°C,Pë PsP»P°PSP·P°PİC-PS P·C-PSCëPëPjPë PİCḡPµPİP°CḡP°C,P°PjPë P· PIC-PrPsPjPëPj CḡPëP·PëPePsPj PİC-PrPIPëC%PµPSPSCİ C-PSC,PµCḡPIP°P»Cr QTc (PrPëPI. CḡPsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCrPIP°PSPSCİB»).

PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCıPIP°PSPSCİ.

PµC-Pr C†P°CÍ P»C-PeCÍPIP°PSPSCİ P°PSC,PëPİCÍPëC...PsC,PëC†PSPëPjPë P·P°CÍPsP±P°PjPë PİPsP»C-PİCëPµPSPSCİ PİCḡPëPiPSC-C†PµPSPsPiPs CÍC,P°PSCr PİP°C†C-C"°PSC,P° PjPsP¶Pµ P·P°PNëPSCİC,Pë PIC-Pr PeC-P»CHPePsC... PrPSC-PI PrPs PeC-P»CHPePsC... C,PëP¶PSC-PI. PµCḡPsC,CİPiPsPj C†CHPsPiPs PİPµCḡC-PsPrCÍ PSPµPsP±C...C-PrPSPëPNë CḡPµC,PµP»CHBPSPëPNë PjPsPSC-C,PsCḡPëPSPİ PİP°C†C-C"°PSC,C-PI.

PµCÍPëC...PsP·, PİPsPIBḡ™ CİP·P°PSPëPNë P· PrPµPjPµPSC†C-C"°Cḡ C,P°/P°P±Ps CḡPsP·P»P°PrP°PjPë PİPsPIPµPrC-PSPePë. PhP»P°PSP·P°PİC-PS PSPµ PİCḡPëP·PSP°C†PµPSPëPNë PrP»Cİ P»C-PeCÍPIP°PSPSCİ PİCÍPëC...PsP·C-PI, PİPsPIBḡ™ CİP·P°PSPëC... P· PrPµPjPµPSC†C-C"°Cḡ C,P°/P°P±Ps PİPsCḡCÍCëPµPSPSCİPjPë PİPsPIPµPrC-PSPePë, P° C,P°PePsP¶ PSPµ CḡPµPePsPjPµPSPrCÍC"°C,CHCÍCİ PrP»Cİ P·P°CÍC,PsCÍCrPIP°PSPSCİ PrP°PSPëPj PİP°C†C-C"°PSC,P°Pj Cr P·PIBḡ™ CİP·PeCÍ P· PİC-PrPIPëC%PµPSPSCİPj P»PµC,P°P»CHBPSPsCÍC,C- C,P° CḡPëP·PëPeCÍ C†PµCḡPµP±CḡPsPIP°CÍPeCÍP»CİCḡPSPëC... PİPëPİP°PrPeC-PI. Pj C...PsPrC- PİP»P°C†PµP±Ps-PePsPSC,CḡPsP»CHPsPIP°PSPëC... PeP»C-PSC-C†PSPëC... PrPsCÍP»C-PrP¶PµPSCH (C,CḡPëPIP°P»C-CÍC,Cḡ 6-12 C,PëP¶PSC-PI) P·P° CrC†P°CÍC,C- PİP°C†C-C"°PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCÍ (CÍPµCḡPµPrPSC-PNë PIC-Pe 78 CḡPsPeC-PI), CİPeC- CÍC,CḡP°P¶PrP°CḡC,CH PSP° PİCÍPëC...PsP·Pë, PİPsPIBḡ™ CİP·P°PSC- P· PrPµPjPµPSC†C-C"°Cḡ C,P°/P°P±Ps PİPsCḡCÍCëPµPSPSCİPj PİPsPIPµPrC-PSPePë, PeC-P»CHPeC-CÍC,CH P»PµC,P°P»CHBPSPëC... PİPëPİP°PrPeC-PI P±CrP»P° Cr 2 CḡP°P·Pë PİPëC%P° Cr PİP°C†C-C"°PSC,C-PI, CİPeC- PİCḡPëPNëPjP°P»Pë PsP»P°PSP·P°PİC-PS, PİPsCḡC-PIPSİPSPs P· PİP»P°C†PµP±Ps (3,5 % PİCḡPsC,Pë 1,5 % PIC-PrPİPsPIC-PrPSPs). P'PëCÍPsPeP° P»PµC,P°P»CHBPSC-CÍC,CH PSPµ P±CrP»P° PİPsPIBḡ™ CİP·P°PSP° P· PİPµP»PëC†PëPSPsCḡ P·P°CÍC,PsCÍPsPICÍPIP°PSPëC... PrPsP·PsP»P°PSP·P°PİC-PSCr (CÍPµCḡPµPrPSCİ PrPsP±PsPIP° PrPsP·P° CÍC,P°PSPsPIPëP»P° 4,4 PjPi)

PJ PiCḡPSc†PμCfC- PeP»C-PSC-C†PSPëC... PrPsCfP»C-PrP¶PμPSCḡ
CfPiPsCfC,PμCḡC-PiP°P»PëCfCḡ PIPëPiP°PrPePë
C†PμCḡPμP±CḡPSPiP°CfPeCfP»CḡCḡPSPëC... PiPsP±C-C†PSPëC... CḡPμP°PeC†C-PNë
(PSP°PiCḡPëPeP»P°Pr, C-PSCfCfP»CḡC,, C,CḡP°PSP·PëC,PsCḡPSPëPNë C-C€PμPjC-C†PSPëPNë
C-PSCfCfP»CḡC,, Cr C,PsPjCr C†PëCfP»C- P· P»PμC,P°P»CḡPSPëPj PSP°CfP»C-PrPePsPj.
PḡC-P»CḡPeC-CfC,Cḡ C†PμCḡPμP±CḡPSPiP°CfPeCfP»CḡCḡPSPëC... PiPsP±C-C†PSPëC...
CḡPμP°PeC†C-PNë P±CfP»P° Cr 3 CḡP°P·Pë PIPëC%P° Cr PiP°C†C-C"PSC,C-PI, CḡPeC-
PiCḡPëPNëPjP°P»Pë PsP»P°PSP·P°PiC-PS, PiPsCḡC-PIPSCḡPSPs P· PiP°C†C-C"PSC,P°PjPë,
CḡPeC- PiCḡPëPNëPjP°P»Pë PiP»P°C†PμP±Ps (1,3 % PiCḡPsC,Pë 0,4 % PIC-PrPiPsPIC-PrPSPs).
PJCfC- PiP°C†C-C"PSC,Pë, CḡPeC- PiCḡPëPNëPjP°P»Pë PsP»P°PSP·P°PiC-PS P°P±Ps
PiP»P°C†PμP±Ps C- Cr CḡPePëC... CfPiPsCfC,PμCḡC-PiP°P»PëCfCḡ
C†PμCḡPμP±CḡPSPiP°CfPeCfP»CḡCḡPSC- PiPsP±C-C†PSC- CḡPμP°PeC†C-C—, PjP°P»Pë
C,,P°PeC,PsCḡPë CḡPëP·PëPeCf. P'C-Pe PIC-Pr 75 CḡPsPeC-PI C,P°
CfCfPrPëPSPSPëPNë/P·PjC-C€P°PSPëPNë C,PëPi PrPμPjPμPSC†C-C— P±CfP»Pë
C-PrPμPSC,PëC,,C-PePsPiP°PSC- CḡPe C,,P°PeC,PsCḡPë CḡPëP·PëPeCf
C†PμCḡPμP±CḡPSPiP°CfPeCfP»CḡCḡPSPëC... PiPsP±C-C†PSPëC... CḡPμP°PeC†C-PNë PiCḡPë
C,PμCḡP°PiC-C— PsP»P°PSP·P°PiC-PSPsPj. P·C,,PμPeC,PëPIPSC-CfC,Cḡ PsP»P°PSP·P°PiC-PSCf
PSPμ P±CfP»P° PICfC,P°PSPsPiP»PμPSP° Cr C...PsPrC- PrP°PSPëC... PrPsCfP»C-PrP¶PμPSCḡ.

$\Pi \Gamma \Pi P S C \tilde{H} P S \pm P^{\circ}$ $P_{\mu} P^{\circ} C \tilde{H} P e C - P S C \Gamma P s P S P^{\circ}$. $P_{\kappa} P_{\mu}$ $C \tilde{H} P_{\mu} P e P s P j P_{\mu} P S P r P s P i P^{\circ} P S P s$
 $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C r P i P^{\circ} P S P S C \sqcup P s P \gg P^{\circ} P S P \cdot P^{\circ} P i C - P S C r$ $C r$ $C, P_{\mu} C \tilde{H} P^{\circ} P i C - C - P i C \Gamma P e C \dots P s P \cdot C - P i,$
 $C^{\circ} P s$ $P^{\circ} C \Gamma P s C \dagger C - P N_{\circ} P s P i P^{\circ} P S C - P \cdot P^{\circ} P i P s P S C - C \Gamma C, P^{\circ} P j P e$ $P r P s P i P^{\circ} P j C - P S C r$ $P i$
 $P i P^{\circ} C \dagger C - C^{\circ} P S C, C - P i$ $C - P \cdot C \dots P i P s C \tilde{H} P s P \pm P s C \tilde{H}$ $P_{\mu} P^{\circ} C \tilde{H} P e C - P S C \Gamma P s P S P^{\circ}$. $P j$ $P i C \tilde{H} P s C \dagger P_{\mu} C \Gamma C -$
 $P e P \gg C - P S C - C \ddagger P S P e C \dots$ $P r P s C \Gamma P \gg C - P r P \P P_{\mu} P S C \tilde{H}$ $P r C r P \P P_{\mu}$ $C \ddagger P^{\circ} C \Gamma C, P s$
 $C \Gamma P i P s C \Gamma C, P_{\mu} C \tilde{H} C - P i P^{\circ} P \gg P s C \Gamma C \sqcup P i P s P i C - C \tilde{H} C \epsilon P_{\mu} P S P S C \sqcup C \Gamma P e P j P i C, P s P j P^{\circ} C, P e P e P e$
 $C \dots P i P s C \tilde{H} P s P \pm P e$ $P_{\mu} P^{\circ} C \tilde{H} P e C - P S C \Gamma P s P S P^{\circ}$ C, P° $P i P^{\circ} P \gg C \tilde{H} C \dagger P e P S P^{\circ} C \dagger C - P N_{\circ}, C \ddagger P^{\circ} C \Gamma C, C - C \epsilon P_{\mu},$
 $P S C - P \P P i C \tilde{H} P e P i C \tilde{H} P e P N_{\circ} P s P j C - P i P \gg P^{\circ} C \dagger P_{\mu} P \pm P s$ $(P r P e P i. C \tilde{H} P s P \cdot P r C - P \gg B \ll P_{\mu} P s P \pm C - C \ddagger P S C -$
 $C \tilde{H} P_{\mu} P^{\circ} P e C \dagger C - C - B \gg); P i C \tilde{H} P e P \gg C - P e C r P i P^{\circ} P S P S C - P i C \Gamma P e C \dots P s C, P e C \ddagger P S P e C \dots$
 $C \Gamma P e P j P i C, P s P j C - P i C, P_{\mu} C \tilde{H} P^{\circ} P i C - C \sqcup P s P \gg P^{\circ} P S P \cdot P^{\circ} P i C - P S P s P j$ $P S P_{\mu}$ $P \pm C r P \gg P^{\circ}$ $P \pm C - P \gg C \tilde{H} C \epsilon$
 $P_{\mu} C, P_{\mu} P e C, P e P i P S P s C \tilde{H}$ $P i P s C \tilde{H} C - P i P S C \sqcup P S P s$ $C - P \cdot P \cdot P^{\circ} C \Gamma C, P s C \Gamma C r P i P^{\circ} P S P S C \sqcup P j$
 $P i P \gg P^{\circ} C \dagger P_{\mu} P \pm P s. P j$ $C \dagger P e C \dots$ $P r P s C \Gamma P \gg C - P r P \P P_{\mu} P S P S C \sqcup C \dots$ $P i C - P r$ $P i P^{\circ} C \dagger C - C^{\circ} P S C, C - P i$
 $P i P e P j P^{\circ} P i P^{\circ} P \gg P s C \Gamma C \sqcup P i P s C \Gamma C, C - P N_{\circ} P S P_{\mu}$ $P \cdot P^{\circ} C \Gamma C, P s C \Gamma P s P i C r P i P^{\circ} P S P S C \sqcup$
 $P S P^{\circ} P N_{\circ} P j P_{\mu} P S C \epsilon P s C - P_{\mu} C, P_{\mu} P e C, P e P i P S P s C - P r P s P \cdot P e$
 $P^{\circ} P S C, P e P i P^{\circ} C \tilde{H} P e C - P S C \Gamma P s P S C - C \ddagger P S P e C \dots$ $P \gg C - P e P^{\circ} C \tilde{H} C \Gamma C \tilde{H} P e P e C \dots$ $P \cdot P^{\circ} C \Gamma P s P \pm C - P i$
 $(P^{\circ} P i P s P S C - C \Gamma C, C - P i$ $P r P s P i P^{\circ} P j C - P S C r), P^{\circ}$ $C, P^{\circ} P e P s P \P$ $P \cdot P^{\circ} C \Gamma C, P s C \Gamma P s P i C r P i P^{\circ} P S P S C \sqcup$
 $C, P e C \dots$ $C \Gamma P^{\circ} P j P e C \dots$ $P^{\circ} P S C, P e P i P^{\circ} C \tilde{H} P e C - P S C \Gamma P s P S C - C \ddagger P S P e C \dots$ $P \gg C - P e P^{\circ} C \tilde{H} C \Gamma C \tilde{H} P e P e C \dots$
 $P \cdot P^{\circ} C \Gamma P s P \pm C - P i$ $C - P r P s P \cdot P i C \tilde{H} P s C, C \sqcup P i P s P j$ $C r C \Gamma C \tilde{H} P s P i P s$ $P r P s C \Gamma P \gg C - P r P \P P_{\mu} P S P S C \sqcup.$
 $P \ddot{y} P_{\mu} C \tilde{H} P^{\circ} P i C - C \tilde{H}$ $P s P \gg P^{\circ} P S P \cdot P^{\circ} P i C - P S P s P j$ $P \pm C r P \gg P s$ $C \tilde{H} P s P \cdot P i P s C \ddagger P^{\circ} C, P s$ $P \cdot P r P s P \cdot P e$ $2, 5$ $P j P i$
 $P S P^{\circ}$ $P r P s P \pm C r, C \sqcup P e C r$ $P \cdot P \pm C - P \gg C \tilde{H} C \epsilon C r P i P^{\circ} P \gg P e$ $C \epsilon P \gg C \sqcup C \dots P s P j$ $C, P e C, C \tilde{H} C r P i P^{\circ} P S P S C \sqcup$
 $P r P s P j P^{\circ} P e C \Gamma P e P j P^{\circ} P \gg C \tilde{H} P S P s P i P s$ $P r P s P \cdot P e$ 15 $P j P i$ $P S P^{\circ}$ $P r P s P \pm C r.$

PkPμPN₂CTjPsP»PμPiC,PēC†PSPēPN₂ P·P»PsCΠPeC-CÍPSPēPN₂ CÍPēPSPPrCTjPsPj (P_kP—P_Ÿ).
P_kP—P_Ÿ B₇“ C†Pμ PiPsC,PμPSC†C-PN₂PSPs P»PμC,P°P»CH₂PSPēPN₂
CÍPēPjPiC,P_sPjPsPePsPjPiP»PμPeCÍ, PsPiPēCÍP°PSPēPN₂ CÍ P·PIB₇TM CΠP·PeCÍ P·
P°PSC,PēPiCÍPēC...PsC,PēC†PSPēPjPē PiCTjPμPiP°CTjP°C,P°PjPē. P C-PrPePs
PiPsPIC-PrPsPjP»CΠP»PsCÍCΠ PiCTjPs PiPēPiP°PrPePē P_kP—P_Ÿ, PiPsPIB₇TM CΠP·P°PSC- C-P·
P·P°CÍC,P_sCÍCÍPiP°PSPSCΠPj PsP»P°PSP·P°PiC-PSCÍ. P₇P»C-PSC-C†PSPēPjPē
PiCTjPsCΠPiP°PjPē P_kP—P_Ÿ C” PiC-PiPμCTjPiC-CTjPμPeCÍC-CΠ, PjB₇TM CΠP·PsPiP°
CTjPēPiC-PrPSC-CÍC,CH₂, PIC,CTjP°C,P° CÍPIC-PrPsPjPsCÍC,C- C,P° CÍPēPjPiC,P_sPjPē
CÍPμCTjC†PμPiPsC— PSPμCÍC,P°P±C-P»CH₂PSPsCÍC,C- (PSPμCTjPμPiCÍP»CΠCTjPSPēPN₂
PiCÍP»CH₂CÍ P°P±Ps P°CTjC,PμCTjC-P°P»CH₂PSPēPN₂ C,PēCÍPe, C,P°C...C-PeP°CTjPrC-CΠ,
PiC-PrPiPēC%₀₀PμPSPμ PiPsC,P_sPiPēPrC-P»PμPSPSCΠ C,P° CÍPμCTjC†PμPiP° P°CTjPēC,PjC-CΠ).
P”PsPrP°C,PePsPIC- PsP·PSP°PePē PjPsP¶CÍC,CH₂ PiPeP»CH₂C†P°C,Pē PiC-PrPiPēC%₀₀PμPSPēPN₂
CTjC-PIPμPSC₂ PeCTjPμP°C,PēPSC-PSC,,PsCÍC,,PsPeC-PSP°P·Pē, PjC-PsPiP»PsP±C-PSCÍCTjC-CH
(CTjP°P±PrPsPjC-PsP»C-P·) C,P° PiPsCÍC,CTjCÍ PSPēCTjPePsPICÍ
PSPμPrPsCÍC,P°C,PSC-CÍC,CH₂. P₇P»C-PSC-C†PSPēPN₂ PiCTjPsCΠPI P_kP—P_Ÿ P°P±Ps
PSP°CΠPiPSC-CÍC,CH₂ PiC-PiPμCTjC,PμCTjPjC-C— P±PμP· PeP»C-PSC-C†PSPsPiPs
PiCTjPsCΠPiCÍ P_kP—P_Ÿ PiPsC,CTjPμP±CÍC” PSPμPiP°PN₂PSPsC— PIC-PrPjC-PSPē PICÍC-C...
P°PSC,PēPiCÍPēC...PsC,PēC†PSPēC... P·P°CÍPsP±C-PI, PiPeP»CH₂C†P°CH₂C†Pē
PsP»P°PSP·P°PiC-PS.

P”C-PiPμCTjPiP»C-PePμPjC-CΠ C- C†CéPeCTjPsPiPēPN₂ PrC-P°P±PμC,.. P_kPμC†P°CÍC,Ps
PiPsPIC-PrPsPjP»CΠP»PsCÍCΠ PiCTjPs PiC-PiPμCTjPiP»C-PePμPjC-CH C,P°/P°P±Ps
CTjPsP·PiPēC,PsPe C†CÍPeCTjPsPiPsPiPs PrC-P°P±PμC,CÍ P°P±Ps PiPsPiC-CTjC€PμPSPSCΠ
PiPμCTjPμP±C-PiCÍ PiP¶Pμ C-CÍPSCÍCH₂C†PsPiPs, P°CÍPsC†C-PN₂PsPiP°PSPsPiPs P·
PePμC,PsP°C†PēPrPsP·PsPj P°P±Ps PrC-P°P±PμC,PēC†PSPsCH₂ PePsPjPsCH₂, P° C,P°PePsP¶ PiCTjPs
P»PμC,P°P»CH₂PSC- PiPēPiP°PrPePē (PrPēPI. CTjPsP·PrC-P» B«PμPsP±C-C†PSC-
CTjPμP°PeC†C-C—B»). Pj PrPμCΠPePēC... PiPēPiP°PrPeP°C... PiPsPIC-PrPsPjP»CΠP»PsCÍCΠ
PiCTjPs PiPsPiPμCTjPμPrPSC” PiC-PrPiPēC%₀₀PμPSPSCΠ PjP°CÍPē C,C-P»P°, C%₀₀Ps PjPsPiP»Ps
P±CÍC,Pē C,,P°PeC,PsCTjPsPj CTjPēP·PēPeCÍ.

P PμPePsPjPμPSPPrPsPiP°PSPs PiCTjPsPiPsPrPēC,Pē PIC-PrPiPsPIC-PrPSPēPN₂
PeP»C-PSC-C†PSPēPN₂ PjPsPSC-C,PsCTjPēPSPi PiP°C†C-C”PSC,C-PI C-P· C†CÍPeCTjPsPiPēPj
PrC-P°P±PμC,PsPj C,P° PiP°C†C-C”PSC,C-PI C-P· C,,P°PeC,PsCTjP°PjPē CTjPēP·PēPeCÍ
CTjPsP·PiPēC,PeCÍ C†CÍPeCTjPsPiPsPiPs PrC-P°P±PμC,CÍ, P·PsPeCTjPμPjP°
PiPēPjC-CTjCH₂PiP°C,Pē CTjC-PIPμPSC₂ PiP»CH₂PePsP·Pē CÍ PeCTjPsPIC- PSP° PiPsC†P°C,PeCÍ
P»C-PeCÍPiP°PSPSCΠ, C†PμCTjPμP· 12 C,PēP¶PSC-PI, P° C,P°PePsP¶ C%₀₀PsCTjC-C†PSPs CÍ
PiPsPrP°P»CH₂C€PsPjCÍ. PμP°C†C-C”PSC,Pē, CΠPeC- PsC,CTjPēPjCÍCH₂,CH₂
P»C-PeCÍPiP°PSPSCΠ P°PSC,PēPiCÍPēC...PsC,PēC†PSPēPjPē P·P°CÍPsP±P°PjPē,
PiPeP»CH₂C†P°CH₂C†Pē PsP»P°PSP·P°PiC-PS, PiPsPiPēPSPSC- P±CÍC,Pē PiC-Pr PSP°PiP»CΠPrPsPj
PrP»CΠ PiPēCΠPiP»PμPSPSCΠ CÍPēPjPiC,P_sPjC-PI PiC-PiPμCTjPiP»C-PePμPjC-C— (C,P°PePēC...
CΠPe PiPsP»C-PrPēPiCÍC-CΠ, PiPsP»C-CÍCTjC-CΠ, PiPsP»C-C,,P°PiC-CΠ C,P°
CÍP»P°P±PeC-CÍC,CH₂). PμP°C†C-C”PSC,C-PI C-P· C†CÍPeCTjPsPiPēPj PrC-P°P±PμC,PsPj C,P°
PiP°C†C-C”PSC,C-PI C-P· C,,P°PeC,PsCTjP°PjPē CTjPēP·PēPeCÍ CTjPsP·PiPēC,PeCÍ
PrC-P°P±PμC,CÍ PSPμPsP±C...C-PrPSPs CTjPμPiCÍP»CΠCTjPSPs PePsPSC,CTjPsP»CH₂PiP°C,Pē
C%₀₀PsPrPs PiPsPiC-CTjC€PμPSPSCΠ CTjC-PIPSCΠ PePsPSC,CTjPsP»CH₂ PiP»CH₂PePsP·Pē.
PŸP»C-Pr CTjPμPiCÍP»CΠCTjPSPs PePsPSC,CTjPsP»CH₂PiP°C,Pē PjP°CÍCÍ C,C-P»P°,
PSP°PiCTjPēPeP»P°Pr PSP° PiPsC†P°C,PeCÍ P»C-PeCÍPiP°PSPSCΠ, C†PμCTjPμP· 4 C,PēP¶PSC-,
C†PμCTjPμP· 8 C,PēP¶PSC-PI C,P° C†PμCTjPμP· 12 C,PēP¶PSC-PI, P° C,P°PePsP¶ 1 CTjP°P· PSP°
PePiP°CTjC,P°P» CÍ PiPsPrP°P»CH₂C€PsPjCÍ.

P—PjC-PSPē CTjC-PIPSCΠ P»C-PiC-PrC-PI. P_kPμP±P°P¶P°PSC- P·PjC-PSPē CTjC-PIPSCΠ

P»C-PiC-PrC-PI CÍPiPsCÍC,PμCȚC-PiP°P»PëCÍCȚ CÍ PiP°C†C-C" PSC,C-PI, CȚPeC-
 PsC,CȚPëPjCÍPiP°P»Pë PsP»P°PSP·P°PiC-PS CÍ PiP»P°C†PμP±Ps-
 PePsPSC,CȚPsP»CHbPsPiP°PSPëC... PeP»C-PSC-C†PSPëC... PiPëPiCȚPsP±CÍPiP°PSPSCȚC...
 (PrPëPI. CȚPsP·PrC-P» B«PμPsP±C-C†PSC- CȚPμP°PeC†C-C-B»). P-PjC-PSPë CȚC-PIPSCȚ
 P»C-PiC-PrC-PI CÍP»C-Pr PePsCȚPμPiCÍPiP°C,Pë PSP°P»PμP¶PSPëPj C†PëPSPsPj CÍ
 PiP°C†C-C" PSC,C-PI C-P. PrPëCÍP»C-PiC-PrPμPjC-C" CȚ C,P° CÍ PiP°C†C-C" PSC,C-PI C-P·
 C,,P°PeC,PsCȚP°PjPë CȚPëP·PëPeCÍ CȚPsP·PiPëC,PeCÍ PiPsCȚCÍC€PμPSCĤ PsP±PjC-PSCÍ
 P»C-PiC-PrC-PI. PμP°C†C-C" PSC,P°Pj, CȚPeC- PsC,CȚPëPjCÍCȚC,CH P»C-PeCÍPiP°PSPSCȚ
 P°PSC,PëPiCÍPëC...PsC,PëC†PSPëPjPë P·P°CÍPsP±P°PjPë, PiPeP»CȚC†P°CȚC†Pë
 PsP»P°PSP·P°PiC-PS, PSPμPsP±C...C-PrPSPs CȚPμPiCÍP»CȚCȚPSPs PePsPSC,CȚPsP»CȚPiP°C,Pë
 CȚC-PIPμPSCĤ P»C-PiC-PrC-PI CÍ PeCȚPsPIC-, PSP°PiCȚPëPeP»P°Pr PSP° PiPsC†P°C,PeCÍ
 P»C-PeCÍPiP°PSPSCȚ, C†PμCȚPμP· 12 C,PëP¶PSC-PI, P° C,P°PePsP¶ PePsP¶PSC- 5 CȚPsPeC-PI
 CÍ PiPsPrP°P»CHC€PsPjCÍ.

PȚPSC,PëC...PsP»C-PSPμCȚPiC-C†PSP° P°PeC,PëPIPSC-CÍC,CH. PμPsPiCȚPë
 PiPëCȚPiP»PμPSPSCȚ P°PSC,PëC...PsP»C-PSPμCȚPiC-C†PSPsC— P°PeC,PëPIPSPsCÍC,C-
 PsP»P°PSP·P°PiC-PSCÍ in vitro, CÍ PiCȚPsC†PμCÍC- PeP»C-PSC-C†PSPëC...
 PrPsCÍP»C-PrP¶PμPSCĤ PrPsPiPμPrPμPSPs PSPëP·CHbPeCÍ C†P°CÍC,PsC,CÍ CȚPsP·PiPëC,PeCÍ
 PiPsPiBȚ™ CȚP·P°PSPëC... P· PSPμCȚ P°PSC,PëC...PsP»C-PSPμCȚPiC-C†PSPëC... CȚPiPëC%o.
 PhPrPSP°Pe C†PμCȚPμP· PsP±PjPμP¶PμPSC-CÍC,CH PeP»C-PSC-C†PSPsPiPs PrPsCÍPIC-PrCÍ
 P·P°CÍC,PsCÍCÍPiP°PSPSCȚ PsP»P°PSP·P°PiC-PSCÍ PiP°C†C-C" PSC,P°Pj P·C-
 CÍCÍPiCÍC,PSC-PjPë P·P°C...PiPsCȚCȚPiP°PSPSCȚPjPë CÍP»C-Pr P±CÍC,Pë
 PsP±PμCȚPμP¶PSPëPjPë PiCȚPë PiCȚPëP·PSP°C†PμPSPSC- PiCȚPμPiP°CȚP°C,CÍ
 PiP°C†C-C" PSC,P°Pj C-P. PiC-PiPμCȚC,CȚPsC,,C-C" CȚ PiCȚPsCÍC,P°C,Pë,
 PiP°CȚP°P»C-C,PëC†PSPsCȚ PePëC€PePsPiPsCȚ PSPμPiCȚPsC...C-PrPSC-CÍC,CȚ P°P±Ps
 PiPsPrC-P±PSPëPjPë CÍC,P°PSP°PjPë.

PμPsPeP°P·PSPëPePë C,,C†PSPeC†C-C— PiPμC†C-PSPePë. PμCȚPë P·P°CÍC,PsCÍCÍPiP°PSPSC-
 PsP»P°PSP·P°PiC-PSCÍ C†P°CÍC,Ps CÍPiPsCÍC,PμCȚC-PiP°P»PëCÍCȚ C,CȚP°PSP·PëC,PsCȚPSC-
 P°CÍPëPjPiC,PsPjP°C,PëC†PSC- PiC-PrPNbPsPjPë CȚC-PIPSCȚ PiPμC†C-PSPePsPiPëC...
 C,CȚP°PSCÍP°PjC-PSP°P· PȚP»PȚPȚ C,P° PȚCÍPȚPȚ, PsCÍPsP±P»PëPIPs PSP° PiPsC†P°C,PeCÍ
 P»C-PeCÍPiP°PSPSCȚ. PμP°C†C-C" PSC,P°Pj C-P. PiC-PrPiPëC%oPμPSPëPj CȚC-PIPSPμPj
 PȚP»PȚPȚ C,P°/P°P±Ps PȚCÍPȚPȚ, PsP·PSP°PeP°PjPë C,P° CÍPëPjPiC,PsPjP°PjPë
 PiPsCȚCÍC€PμPSPSCȚ C,,C†PSPeC†C-C— PiPμC†C-PSPePë, PiP°C†C-C" PSC,P°Pj C-P·
 PiPsPiPμCȚPμPrPSCĤPs C-CÍPSCÍCȚC†PëPjPë CÍC,P°PSP°PjPë, PiPsPiBȚ™ CȚP·P°PSPëPjPë P·
 PiPμC†C-PSPePsPiPsCȚ PSPμPrPsCÍC,P°C,PSC-CÍC,CȚ, P° C,P°PePsP¶ PiP°C†C-C" PSC,P°Pj,
 CȚPeC- PiCȚPëPNbPjP°CȚC,CH PiPsC,PμPSC†C-PNbPSPs PiPμPiP°C,PsC,PsPeCÍPëC†PSC-
 PiCȚPμPiP°CȚP°C,Pë, PsP»P°PSP·P°PiC-PS PiCȚPëP·PSP°C†P°CȚC,CH P·
 PsP±PμCȚPμP¶PSC-CÍC,CȚ. PμCȚPë PiPëCȚPiP»PμPSPSC- PiPμPiP°C,PëC,CÍ
 (PiPeP»CȚC†P°CȚC†Pë PiPμPiP°C,PsC†PμP»CȚP»CȚCȚPSPμ, C...PsP»PμCÍC,P°C,PëC†PSPμ
 P°P±Ps P·PjC-C€P°PSPμ CÍCȚP°P¶PμPSPSCȚ PiPμC†C-PSPePë) PsP»P°PSP·P°PiC-PS
 PSPμPsP±C...C-PrPSPs PIC-PrPjC-PSPëC,Pë.

PkPμPNbC,CȚPsPiPμPSC-CȚ. PhP»P°PSP·P°PiC-PS PSPμPsP±C...C-PrPSPs P·
 PsP±PμCȚPμP¶PSC-CÍC,CȚ PiCȚPëP·PSP°C†P°C,Pë PiCȚPë PSPëP·CHbPePsPjCÍ CȚC-PIPSC-
 P»PμPNbPePsC†PëC,C-PI C,P°/P°P±Ps PSPμPNbC,CȚPsC,,C-P»C-PI P· P±CÍPrCHb-CȚPePsC—
 PiCȚPëC†PëPSPë, PiP°C†C-C" PSC,P°Pj, CȚPeC- PsC,CȚPëPjCÍCȚC,CH P»C-PeCÍPiP°PSPSCȚ
 PiCȚPμPiP°CȚP°C,P°PjPë, C%oPs PjPsP¶CÍC,CH CÍPiCȚPëC†PëPSPëC,Pë
 PSPμPNbC,CȚPsPiPμPSC-CȚ, PiP°C†C-C" PSC,P°Pj, CȚPeC- PjP°CȚC,CH PI P°PSP°PjPSPμP·C-
 PjPμPrPëPeP°PjPμPSC,PsP·PSPμ PiCȚPëPiPSC-C†PμPSPSCȚ/C,PsPeCÍPëC†PSPμ
 CÍCȚP°P¶PμPSPSCȚ PeC-CÍC,PePsPiPsPiPs PjPsP·PeCÍ, PiP°C†C-C" PSC,P°Pj C-P·

PiCtjPePiPSC-C+PmPSPSClPj PeC-CfC,PePsPIPsPiPs PjPsP·PeCr, CfPiCtjPeC+PePSPmPSPePj CfCrPiCrC,PSC-PjPe P·P°C...PIPsCtjCtjPIP°PSPSClPjPe, PsPiCtjPsPjC-PSPmPSPSClPj C+Pe C...C-PjC-PsC,PmCtjP°PiC-C"Ch, C,P° PiP°C+C-C"PSC,P°Pj C-P· PiC-PiPmCtjPmPsP·PePSPsC,,C-P»C-C"Ch C,P° PjC-C"P»PsPiCtjPsP»C-C,,PmCtjP°C,PePiPSPePj P·P°C...PIPsCtjCtjPIP°PSPSClPj. PkPmPNeC,CtjPsPiPmPSC-Cl C" C+P°CfC,PePj PiPsP±C-C+PSPePj PmC,,PmPeC,PsPj PiCtjPe CfCrPjC-CfPSPsPjCr P·P°CfC,PsCfCrPIP°PSPSC-PIP°P»CHPiCtjPsP°C,Cr C,P° PsP»P°PSP·P°PiC-PSCr (PrPePl. CtjPsP·PrC-P» B«PmPsP±C-C+PSC-CtjPmP°PeC+C-C-B»).

PmCtjPePiPePSPmPSPSCl C,PmCtjP°PiC-C—. PmCtjPe CtjP°PiC,PsPIPsPjCr PiCtjPePiPePSPmPSPSC- C,PmCtjP°PiC-C— PrCrPm CtjC-PrPePs ($\geq 0,01$ % C,P° 0,1 %) PiPsPIC-PrPsPjP»ClP»PsCfCl PiCtjPs PiPsCfC,CtjC- CfPePjPiC,PsPjPe, P·PsPeCtjPmPjP° PiCtjPs PSP°PrPjC-CtjPSPm PiPsC,PsPIPePrC-P»PmPSPSCl, P±Pm·CfPsPSPSCl, C,CtjPmPjPsCtj, CtjPsP·PrCtjP°C,PsPIP°PSC-CfC,Ch, PSCrPrPsC,Cr P°P±Ps P±P»CHPIP°PSPSCl.

P+PSC,PmCtjPIP°P» QT.

Pj PeP»C-PSC-C+PSPeC... PrPsCfP»C-PrPmPSPSClC... PeP»C-PSC-C+PSPs P·PSP°C+CfC%Pm PiPsPrPsPIPmPSPSCl C-PSC,PmCtjPIP°P»Cr QTc (PePsCtjPmPeC+C-Cl QT P·P° PxCtjC-PrPmCtjC-PePsPj (QTcF) ≥ 500 PjC-P»C-CfPmPeCfPSPr (PjCfPmPe) Cr P±CfPrCh-ClPePePm C+P°Cf PiC-CfP»Cl PiPsC+P°C,PeCr C,PmCtjP°PiC-C— Cr PiP°C+C-C"PSC,C-PI C-P· PIPeC...C-PrPSPePj QTcF < 500 PjCfPmPe PrPs PiPsC+P°C,PeCr C,PmCtjP°PiC-C—) Cr PiP°C+C-C"PSC,C-PI, ClPeC- P»C-PeCfPIP°P»PeCfCl PsP»P°PSP·P°PiC-PSPsPj CfPiPsCfC,PmCtjC-PiP°P»PsCfCl PSPmC+P°CfC,Ps (PIC-Pr 0,1% PrPs 1%). PmPsCtjC-PIPSClPSPs P· PiP»P°C+PmP±Ps PSPm PIPeClPIP»PmPSPs P·PSP°C+PSPsC— CtjC-P·PSPeC+C- Cr C+P°CfC,PsC,C- P°CfPsC+C-PmPsPIP°PSPeC... PeP°CtjPrC-P°P»CHPSPeC... PiPsP±C-C+PSPeC... CtjPmP°PeC+C-Pm. PhPrPSP°Pe, PiCtjPeP·PSP°C+P°C,Pe PsP»P°PSP·P°PiC-PS Cr PePsPjP±C-PSP°C+C-C— P· PiCtjPmPiP°CtjP°C,P°PjPe, ClPeC- PjPsPmCfC,Ch CfPiCtjPeC+PePSPeC,Pe PiCtjPsP»PsSPIP°C+C-Ch C-PSC,PmCtjPIP°P»Cr QTcf, CfP»C-Pr P· PsP±PmCtjPmPmPSC-CfC,Ch, PsCfPsP±P»PePIPs PiP°C+C-C"PSC,P°Pj P»C-C,PSCHPsPiPs PIC-PeCr, PiP°C+C-C"PSC,P°Pj C-P· PICtjPsPrPmPSPePj CfPePSPrCtjPsPjPsPj PiCtjPsP»PsSPIP°C+C-C— C-PSC,PmCtjPIP°P»Cr QT, P·P°CfC,C-PmPSPsCh CfPmCtjC+PmPIPsCh PSPmPrPsCfC,P°C,PSC-CfC,Ch, PiC-PiPmCtjC,CtjPsC,,C-C"Ch CfPmCtjC+Cl, PiC-PiPsPeP°P»C-C"PjC-C"Ch P°P±Ps PiC-PiPsPjP°PiPSPmP·C-C"PjC-C"Ch.

PjCtjPsPjP±PsPmPjP±PsP»C-Cl. PkPmC+P°CfC,Ps PiPsPIC-PrPsPjP»ClP»PsCfCl PiCtjPs C,PePjC+P°CfPsPIPePm P·PiBtjTM ClP·PsPe PjC-Pm P»C-PeCfPIP°PSPSClPj PsP»P°PSP·P°PiC-PSPsPj C,P° PIPePiP°PrPeP°PjPe CtjPsP·PIPeC,PeCr PIPmPSPsP·PSPsC— C,CtjPsPjP±PsPmPjP±PsP»C-C— ($\geq 0,1$ % BtjTM < 1 %). PmCtjPeC+PePSPSPs- PSP°CfP»C-PrPePsPIPePm P·PiBtjTM ClP·PsPe PjC-Pm P»C-PeCfPIP°PSPSClPj PsP»P°PSP·P°PiC-PSPsPj C,P° CtjPsP·PIPeC,PePsPj PIPmPSPsP·PSPsC— C,CtjPsPjP±PsPmPjP±PsP»C-C— PSPm PICfC,P°PSPsPIP»PmPSPs. PhPrPSP°Pe, P±PmCtjCrC+Pe PrPs CrPIP°PiPe C,Pm, C%Ps Cr PiP°C+C-C"PSC,C-PI C-P· CePeP·PsC,,CtjPmPSC-C"Ch C+P°CfC,Ps CtjPsP·PIPePIP°C,CChCfCl CfC...PeP»CHPSC-CfC,Ch PrPs C,CtjPsPjP±PsPmPjP±PsP»C-C—, PSPmPsP±C...C-PrPSPs PICtjP°C...PsPICrPIP°C,Pe CrCfC- PjPsPmP»PePIC- C,,P°PeC,PsCtjPe CtjPeP·PePeCr, PSP°PiCtjPePeP»P°Pr C-PjPjPsP±C-P»C-P·P°C+C-C"Ch PiP°C+C-C"PSC,P°, C,P° PIPmPePIP°C,Pe PICfC-C... PSPmPsP±C...C-PrPSPeC... PiPsPiPmCtjPmPrPmCfPIP°P»CHPSPeC... P·P°C...PsPrC-PI.

P—P°PiP°P»CHPSP° PrC-Cl PSP° P|PkPj. P'CtjP°C...PsPICrChC+Pe PiPmCtjPmPIP°PmPSPePm PIPiP»PePi PsP»P°PSP·P°PiC-PSCr PSP° P|PkPj, PSPmPsP±C...C-PrPSPs PiCtjPsPIPsPrPeC,Pe PrPsPrP°C,PePsPIC- P·P°CfC,PmCtjPmPmPSC- P·P°C...PsPrPe PiCtjPe PiCtjPePmPsPjC-

PsP»P°PSP·P°PīC-PSCř PI PīPsC”PrPSP°PSPSC- P· C-PSC€PēPjPē PīCḡPμPīP°CḡP°C,P°PjPē
C†PμPSC,CḡP°P»CHPSPsC— PrC-C—, PIPeP»CḡC†P°CḡC†Pē PIP¶PēPIP°PSPSC¶
P°P»PePsPiPsP»Cḡ. PμCḡPē PrPsCḡP»C-PrP¶PμPSPSC¶C... *in vitro* P·
P°PSC,P°PiPsPSC-CḡC,P°PjPē PrPsPīP°PjC-PSCř PIPēC¶PIP»PμPSPs, C%Ps
PsP»P°PSP·P°PīC-PS PjPsP¶Pμ P°PSC,P°PiPsPSC-CḡC,PēC†PSPs PIPīP»PēPIP°C,Pē PSP°
PμC„PμPeC,Pē PīCḡC¶PjPēC... C,P° PSPμPīCḡC¶PjPēC... P°PiPsPSC-CḡC,C-PI PrPsPīP°PjC-PSCř.

P·PīC-P»PμPīC,PēC†PSC- PSP°PīP°PrPē. PhP»P°PSP·P°PīC-PS PSPμPsP±C...C-PrPSPs P·
PsP±PμCḡPμP¶PSC-CḡC,Cḡ P·P°CḡC,PsCḡPsPICřPIP°C,Pē PīP°C†C-C”PSC,P°Pj P·
PμPīC-P»PμPīC,PēC†PSPēPjPē PSP°PīP°PrP°PjPē PI P°PSP°PjPSPμP·C- P°P±Ps
PīP°C†C-C”PSC,P°Pj, Cḡ C¶PePēC... PSP°C¶PIPSC- C„P°PeC,PsCḡPē, C%Ps P·PSPēP¶CḡCḡC,Cḡ
CḡCḡPrPsPjPSPēPNē PīPsCḡC-Pi. PkPμC†P°CḡC,Ps PīPsPIC-PrPsPjP»C¶P»PsCḡC¶ PīCḡPs
PIPēPīP°PrPePē PμPīC-P»PμPīC,PēC†PSPēC... PSP°PīP°PrC-PI PīCḡPē P»C-PeCḡPIP°PSPSC-
PsP»P°PSP·P°PīC-PSPsPj. PJ P±C-P»CHC€PsCḡC,C- C†PēC... PIPēPīP°PrPeC-PI PīP°C†C-C”PSC,Pē
PjP°P»Pē PI P°PSP°PjPSPμP·C- PμPīC-P»PμPīC,PēC†PSC- PSP°PīP°PrPē P°P±Ps CḡPēP·PēPe
C—C... PIPēPSPēPePSPμPSPSC¶ P±CḡPI PīC-PrPIPēC%PμPSPēPNē.

PμC-P·PSC¶ PrPēCḡPeC-PSPμP·C-C¶. PJ PīCḡPsC†PμCḡC- PīPsCḡC-PIPSC¶P»CHPSPēC...
PeP»C-PSC-C†PSPēC... PrPsCḡP»C-PrP¶PμPSCḡ C,CḡPēPIP°P»C-CḡC,Cḡ 1 CḡC-Pe P°P±Ps
PjPμPSC€Pμ PīCḡPē PīCḡPēPNēPsPjC- PsP»P°PSP·P°PīC-PSCř CḡPīPsCḡC,PμCḡC-PiP°P»P°CḡC¶
CḡC,P°C,PēCḡC,PēC†PSPs P·PSP°C†CḡC%Ps PSPēP¶C†P° C†P°CḡC,PsC,P°
PIPēPSPēPePSPμPSPSC¶ PrPēCḡPeC-PSPμP·C-C—, CḡPīCḡPēC†PēPSPμPSPsC—
P»C-PeCḡPIP°PSPSC¶Pj. PšPμCḡPμP· P·CḡPsCḡC,P°CḡC†PēPNē CḡPēP·PēPe CḡPsP·PIPēC,PeCḡ
PīC-P·PSCḡPsC— PrPēCḡPeC-PSPμP·C-C— PīCḡPē C,CḡPēPIP°P»PsPjCḡ PīCḡPēPNēPsPjC-
P°PSC,PēPīCḡPēC...PsC,PēC†PSPēC... PīCḡPμPīP°CḡP°C,C-PI PSPμPsP±C...C-PrPSPμ
CḡP·PīPsPrP¶PμPSPμ P·PSPēP¶PμPSPSC¶ PrPsP·Pē P°P±Ps PīPsPIPSP° PIC-PrPjC-PSP°
PīCḡPμPīP°CḡP°C,Cḡ PīCḡPē PīPsC¶PIC- Cḡ PīP°C†C-C”PSC,P° PsP·PSP°Pe C†Pē
CḡPēPjPīC,PsPjC-PI PīC-P·PSCḡPsC— PrPēCḡPeC-PSPμP·C-C—. P— C†P°CḡPsPj C†C-
CḡPēPjPīC,PsPjPē PjPsP¶CḡC,Cḡ PīPsCḡPēP»CḡPIP°C,PēCḡC¶ P°P±Ps PSP°PIC-C,Cḡ
P·Bḡ™ C¶PIP»C¶C,PēCḡC¶ PīC-CḡP»C¶ PīCḡPēPīPēPSPμPSPSC¶ P»C-PeCḡPIP°PSPSC¶.

PhCḡC,PsCḡC,P°C,PēC†PSP° PīC-PīPsC,PμPSP·C-C¶. PkPμC†P°CḡC,Ps
PīPsPIC-PrPsPjP»C¶P»PsCḡC¶ PīCḡPs PIPēPīP°PrPePē PsCḡC,PsCḡC,P°C,PēC†PSPsC—
PīC-PīPsC,PμPSP·C-C— Cḡ PīP°C†C-C”PSC,C-PI P»C-C,PSCḡPsPiPs PIC-PeCḡ PI PīCḡPsC†PμCḡC-
PeP»C-PSC-C†PSPēC... PrPsCḡP»C-PrP¶PμPSCḡ. PμC-Pr C†P°Cḡ P·P°CḡC,PsCḡCḡPIP°PSPSC¶
PsP»P°PSP·P°PīC-PSCř CḡPμPePsPjPμPSPḡCḡC,CḡCḡC¶ PīPμCḡC-PsPrPēC†PSPμ
PIPēPjC-CḡCḡPIP°PSPSC¶ P°CḡC,PμCḡC-P°P»CHPSPsPiPs C,PēCḡPeCḡ PīP°C†C-C”PSC,P°Pj
PIC-PePsPj PIC-Pr 65 CḡPsPeC-PI.B

P P°PīC,PsPIP° P·CḡPīPēPSPeP° CḡPμCḡC†C¶. PJ PīPsCḡC,PjP°CḡPePμC,PēPSPiPsPIPēC...
P·PIC-C,P°C... PīPsPIC-PrPsPjP»C¶P»PsCḡC¶ PīCḡPs PIPēPīP°PrPePē CḡP°PīC,PsPIPsC—
CḡPμCḡC†PμPIPsC— CḡPjPμCḡC,C- PīP°C†C-C”PSC,C-PI, C¶PeC- PīCḡPēPNēPjP°P»Pē
PsP»P°PSP·P°PīC-PS. P’C-PrPīPsPIC-PrPSPs PrPs CḡPμC,CḡPsCḡPīPμPeC,PēPIPSPsPiPs
PsP±CḡPμCḡPIP°C†C-PNēPSPsPiPs PePsPiPsCḡC,PSPsPiPs PrPsCḡP»C-PrP¶PμPSPSC¶,
CḡPēP·PēPe CḡP°PīC,PsPIPsC— CḡPμCḡC†PμPIPsC— CḡPjPμCḡC,C- Cḡ PīP°C†C-C”PSC,C-PI,
C¶PeC- P·P°CḡC,PsCḡPsPICḡPIP°P»Pē PsP»P°PSP·P°PīC-PS, PīC-PrPIPēC%CḡPIP°PICḡC¶
PjP°PNēP¶Pμ PIPḡPIC-C†C-, PīPsCḡC-PIPSC¶PSPs P· PīP°C†C-C”PSC,P°PjPē, C¶PeC- PSPμ
P·P°CḡC,PsCḡPsPICḡPIP°P»Pē P°PSC,PēPīCḡPēC...PsC,PēPePē. P PēP·PēPe PīCḡPē
P·P°CḡC,PsCḡCḡPIP°PSPSC- PsP»P°PSP·P°PīC-PSCř PIC-PrPīPsPIC-PrP°C” C,P°PePsPjCḡ PīCḡPē
P·P°CḡC,PsCḡCḡPIP°PSPSC- P°C,PēPīPsPIPēC... P°PSC,PēPīCḡPēC...PsC,PēC†PSPēC...
P»C-PeP°CḡCḡCHPePēC... P·P°CḡPsP±C-PI, C%Ps P±CḡP»Pē PIPeP»CḡC†PμPSC- PrPs

PsP±bTTM C''PrPSP°PSPsPiPs P°PSP°P»C-P·Cf.

P''C-C,Pë C- PiC-PrP»C-C,PëPë

PhP»P°PSP·P°PiC-PS PSPµ CḡPµPePsPjPµPSPPrPsPIP°PSPëPNḡ PrP»Cḡ P»C-PeCfPIP°PSPSCḡ
PrC-C,PµPNḡ C,P° PiC-PrP»C-C,PëC-PI. PJ PiCḡPsC†PµCfC- PrPsCfP»C-PrPḡPµPSPSCḡ
PiP°C†C-C''PSC,C-PI PIC-PePsPj 13-17 CḡPsPeC-PI P·P°C,,C-PeCfPsPIP°PSPs CḡC-P·PSC-
PiPsP±C-C†PSC- CḡPµP°PeC†C-C—: P·P±C-P»CHC€PµPSPSCḡ PjP°CfPë C,C-P»P°, P·PjC-PSCf
PjPµC,P°P±PsP»C-C†PSPëC... PiP°CḡP°PjPµC,CḡC-PI C,P° P·P±C-P»CHC€PµPSPSCḡ
CḡC-PIPSCḡ PiCḡPsP»P°PeC,PëPSCf (PrPëPI. CḡPsP·PrC-P»Pë
B«PαP°CḡPjP°PePsP»PsPiC-C†PSC- PIP»P°CfC,PëPIPsCfC,C-B» C,P° B«PµPsP±C-C†PSC-
CḡPµP°PeC†C-C—B»).

P>P°PeC,PsP·P°. PµCḡPµPiP°CḡP°C, PjC-CfC,PëC,CH P»P°PeC,PsP·Pë PjPsPSPsPiC-PrCḡP°C,,
C,PsPjCf PNḡPsPiPs PSPµ CfP»C-Pr P·P°CfC,PsCfPsPICfPIP°C,Pë C...PIPsCḡPëPj, CḡPeC-
PjP°CḡC,CH CfPiP°PrPePsPICf PSPµPiPµCḡPµPSPsCfPëPjC-CfC,CH P»P°PeC,PsP·Pë,
PrPµC,,C-C†PëC, P»P°PeC,P°P·Pë P°P±Ps CfPëPSPPrCḡPsPj PiP»CḡPePsP·Ps-
PiP°P»P°PeC,PsP·PSPsC— PjP°P»CHP°P±CfPsCḡP±C†C-C—.

P—P°CfC,PsCfC¿PIP°PSPSCḡ C¿ PiPµCḡC-PsPr PIP°PiC-C,PSPsCfC,C- P°P±Ps
PiPsPrC¿PIP°PSPSCḡ PiCḡC¿PrPrCḡ.

P'P°PiC-C,PSC-CfC,CH

P'C-PrCfCfC,PSC- P°PrPµPePIP°C,PSC- C- PrPsP±CḡPµ PePsPSC,CḡPsP»CHPsPIP°PSC-
PrPsCfP»C-PrPḡPµPSPSCḡ PrC-C— PsP»P°PSP·P°PiC-PSCf PSP° PIP°PiC-C,PSPëC....
PµP°C†C-C''PSC,PëPë PiC-Pr C†P°Cf P»C-PeCfPIP°PSPSCḡ PsP»P°PSP·P°PiC-PSPsPj
PiPsPIPëPSPSC- PiPsPIC-PrPsPjPëC,Pë CfPIPsPiPs P»C-PeP°CḡCḡ PiCḡPs
PIP°PiC-C,PSC-CfC,CH P°P±Ps PSP°PjC-Cḡ P·P°PIP°PiC-C,PSC-C,Pë. PhCfPeC-P»CHPePë
C-CfPSCfCḡC†PëPNḡ PrPsCfPIC-Pr P»C-PeCfPIP°PSPSCḡ PIP°PiC-C,PSPëC...
PsP»P°PSP·P°PiC-PSPsPj PsP±PjPµPḡPµPSPëPNḡ, PsP»P°PSP·P°PiC-PS Cf PiPµCḡC-PsPr
PIP°PiC-C,PSPsCfC,C- PSPµPsP±C...C-PrPSPs P·P°CfC,PsCfPsPICfPIP°C,Pë C,C-P»CHPePë
C,PsPrC-, PePsP»Pë PsC†C-PeCfPIP°PSC- CḡPµP·CfP»CHC,P°C,Pë
PIPëPiCḡP°PIPrPsPICfCḡC,CH PjPsPḡP»PëPIPëPNḡ CḡPëP·PëPe PrP»Cḡ PiP»PsPrP°.

PJ PSPsPIPsPSP°CḡPsPrPḡPµPSPëC..., PjP°C,PµCḡC- CḡPePëC... PiCḡPëPNḡPjP°P»Pë
P°PSC,PëPiCfPëC...PsC,PëC†PSC- P»C-PeP°CḡCfCHPeC- P·P°CfPsP±Pë (PIPeP»CḡC†P°CḡC†Pë
PsP»P°PSP·P°PiC-PS) PiCḡPsC,CḡPiPsPj P†P†P† C,CḡPëPjPµCfC,CḡCf PIP°PiC-C,PSPsCfC,C-,
C-CfPSCfC'' CḡPëP·PëPe PIPëPSPëPePSPµPSPSCḡ PiPsP±C-C†PSPëC... CḡPµP°PeC†C-PNḡ,
PIPeP»CḡC†P°CḡC†Pë PµPeCfC,CḡP°PiC-CḡP°PjC-PrPSC- PiPsCḡCfC€PµPSPSCḡ C,P°/P°P±Ps
CfPëPSPPrCḡPsPj PIC-PrPjC-PSPë, CfPëPjPiC,PsPjPë CḡPePëC... PjPsPḡCfC,CH PiC-CfP»Cḡ
PSP°CḡPsPrPḡPµPSPSCḡ P·PjC-PSCḡPIP°C,PëCfCḡ P·P° CfPëP»PsCḡ C,P°
C,CḡPëPIP°P»C-CfC,Cḡ. PµPsPIC-PrPsPjP»CḡP»PsCfCḡ PiCḡPs P°PḡPëC,P°C†C-Cḡ,
P°CḡC,PµCḡC-P°P»CHPSCf PiC-PiPµCḡC,PµPSP·C-Cḡ, P°CḡC,PµCḡC-P°P»CHPSCf
PiC-PiPsC,PµPSP·C-Cḡ, C,CḡPµPjPsCḡ, CfPsPSP»PëPIC-CfC,CH,
CḡPµCfPiC-CḡP°C,PsCḡPSPëPNḡ PrPëCfC,CḡPµCf-CfPëPSPPrCḡPsPj P°P±Ps CḡPsP·P»P°PrPë
C...P°CḡC†CfPIP°PSPSCḡ. PḡPsPjCf PSPµPsP±C...C-PrPSPs PePsPSC,CḡPsP»CḡPIP°C,Pë
CfC,P°PS PSPsPIPsPSP°CḡPsPrPḡPµPSPëC....

PµPµCḡC-PsPr PiPsPrC¿PIP°PSPSCḡ PiCḡC¿PrPrCḡ

РµСђРё РrPsCfP»C-РrP¶PµPSPSC- Р·РrPsСђРёPPIPёC... Р¶C-PSPsPe, C¶PeC- PiPsPrCfPIP°P»Pё
PiСђCfPrPrСђ, PsP»P°PSP·P°PiC-PS P±CfP»Ps PIPёC¶PIP»PµPSPs Cr PiСђCfPrPSPsPjCf
PjPsP»PsCfC-. РђРµСђРёPµPrPSC¶ РrPsP·P° РrP»C¶ PSPµPjPsPIP»C¶C,Pe (PjPi/PePi) P±PµP·
СђРёP·PёPeCf РrP»C¶ PSC¶PsPiPs PsCfC-PSC¶PIP°P»P°CfC¶ C¶Pe 1,8 % PIC-Pr
PjP°C,РµСђРёPSCfСђPePsC— РrPsP·Pё (PjPi/PePi). РµP°CfC-C”PSC,PeP°Pj PSPµ
СђРµPePsPjPµPSPrCfC”C,СђCfC¶ PiPsPrCfPIP°C,Pe PSPµPjPsPIP»C¶C, PiСђCfPrPrСђ,
C¶PeC%oPs PIPsPSPё PiСђРёP№PjP°СђC,Сђ PsP»P°PSP·P°PiC-PS.

РµPµСђC,РёP»СђPSC-CfC,Сђ

Р’PiP»PёPI PSP° C,,PµСђC,РёP»СђPSC-CfC,Сђ PSPµPIC-РrPsPjPёP№.

*P—РrP°C,PSC-CfC,Сђ PIPiP»PёPIP°C,Pe PSP° C¶PIPёPrPeC-CfC,Сђ СђРµPµP°PeCfC-C— PiСђРё
PePµСђCзPIP°PSPSC- P°PIC,PsC,СђP°PSCfPiPsСђC,PsPj P°P±Ps C-PSC¶PёPjPё
PjPµC...P°PSC-P·PjP°PjPё.*

Р”PsCfP»C-РrP¶PµPSC¶ PIPiP»PёPICf PsP»P°PSP·P°PiC-PSCf PSP° C¶PIPёPrPeC-CfC,Сђ
СђРµPµP°PeCfC-C— PiСђРё PePµСђCfPIP°PSPSC- P°PIC,PsC,СђP°PSCfPiPsСђC,PsPj P°P±Ps
СђPsP±PsC,C- P· C-PSC¶PёPjPё PjPµC...P°PSC-P·PjP°PjPё PSPµ PiСђPsPIPsPrPёP»PsCfC¶.
PhCfPeC-P»СђPePё PsP»P°PSP·P°PiC-PS PjPsP¶Pµ CfPiСђРёC¶PёPSPёC,Pe
CfPsPSP»PёPIC-CfC,Сђ C,P° P·P°PiP°PjPsСђPsC¶PµPSPSC¶, PiP°CfC-C”PSC,C-PI CfP»C-Pr
PiPsPiPµСђРµPrPёC,Pe PiСђPs PSPµP±PµP·PiPµPeCf, PiPsPiБ¶™ C¶P·P°PSCf P·
PµPeCfPiP»CfP°C,P°CfC-C”Сђ PjP°C¶PёPS, PIPeP»СђC¶P°СђC¶Pё
P°PIC,PsC,СђP°PSCfPiPsСђC,PSC- P·P°CfPsP±Pё.

РђPiPsCfC-P± P·P°CfC,PsCfCзPIP°PSPSC¶ C,P° РrPsP·Pё.

Р”PsСђPsCfP»C-

*РёPёP·PsC,,СђРµPµPSC-C¶. P PµPePsPjPµPSPrPsPIP°PSP° PiPsC¶P°C,PePsPIP° РrPsP·P°
PsP»P°PSP·P°PiC-PSCf CfC,P°PSPsPIPёC,Сђ 10 PjPi 1 СђP°P· PSP° РrPsP±Cf.*

*РµP°PSC-P°PeP°P»СђPSC- РµPiC-P·PsPrPё. P PµPePsPjPµPSPrPsPIP°PSP°B PiPsC¶P°C,PePsPIP°
РrPsP·P° PsP»P°PSP·P°PiC-PSCf C¶Pe PjPsPSPsC,РµСђP°PiC-C— CfC,P°PSPsPIPёC,Сђ
15 PjPi PSP° РrPsP±Cf P°P±Ps 10 PjPi PSP° РrPsP±Cf PiСђРё PePsPjP±C-PSPsPIP°PSPsPjCf
P»C-PeCfPIP°PSPSC- (РrPёPI. СђPsP·PrC-P» B«РµP°СђPjP°PePsPrPёPSP°PjC-PeP°B»).*

*РµСђPsC,,C-P»P°PeC,PePeP° PiPsPIC,PsСђPSPёC... PSP°PiP°PrC-PI Cз PiP°CfC-C”PSC,C-PI P·
P±C-PiPsP»C¶CСђPSPёPjPё СђPsP·P»P°PrP°PjPё. P PµPePsPjPµPSPrPsPIP°PSP°
PiPsC¶P°C,PePsPIP° РrPsP·P° CfC,P°PSPsPIPёC,Сђ 10 PjPi PSP° РrPsP±Cf. РµP°CfC-C”PSC,Pe P·
P±C-PiPsP»C¶CСђPSPёPjPё СђPsP·P»P°PrP°PjPё, C¶PeC- PsC,СђPёPjCfPIP°P»Pё
PsP»P°PSP·P°PiC-PS РrP»C¶ P»C-PeCfPIP°PSPSC¶ PjP°PSC-P°PeP°P»СђPSPёC...
РµPiC-P·PsPrC-PI, PiСђPsPrPsPIP¶CfСђC,Сђ PsC,СђPёPjCfPIP°C,Pe PsP»P°PSP·P°PiC-PS Cr
C,PsPjCf Р¶ РrPsP·CfPIP°PSPSC- C- РrP»C¶ PiСђPsC,,C-P»P°PeC,PePePё PiPsPIC,PsСђPSPёC...
PSP°PiP°PrC-PI. P—P° CfPjPsPIPё СђPsP·PIPёC,PeCf PSPsPiPsPiPs
PjP°PSC-P°PeP°P»СђPSPsPiPs, РrPµPiСђРµCfPёPIPSsPiPs P°P±Ps P·PjC-C¶P°PSPsPiPs
РµPiC-P·PsPrCf P»C-PeCfPIP°PSPSC¶ PSPµPsP±C...C-PrPSPs PiСђPsPrPsPIP¶CfPIP°C,Pe (Cf
СђP°P·C- PSPµPsP±C...C-PrPSPsCfC,C- PsPiC,PёPjC-P·CfPIP°PIC¶Pё РrPsP·Cf) СђP°P·PsPj C-P·
PiC-PrC,СђPёPjCfСђC¶PsСђ C,РµСђP°PiC-C”Сђ РrP»C¶ P»C-PeCfPIP°PSPSC¶*

$\text{P}_{\text{H}}\text{P}_{\text{M}}\text{PSC}\epsilon\text{C}\acute{\text{r}}\text{ P}\acute{\text{i}}\text{PsC}\ddagger\text{P}^{\circ}\text{C}, \text{PePsPIC}\acute{\text{r}}\text{ PrPsP}\cdot\text{C}\acute{\text{r}}\text{ PjPsP}\P\text{PSP}^{\circ}\text{ P}\ddot{\text{I}}\text{C}\text{H}\text{P}\ddot{\text{e}}\text{P}\cdot\text{PSP}^{\circ}\text{C}\ddagger\text{P}^{\circ}\text{C}, \text{P}\ddot{\text{e}}$
 $\text{P}\ddot{\text{i}}\text{P}^{\circ}\text{C}\ddagger\text{C}-\text{C}^{\circ}\text{PSC}, \text{P}^{\circ}\text{Pj}\text{ C}-\text{P}\cdot\text{PePsPjP}\pm\text{C}-\text{PSP}^{\circ}\text{C}\ddagger\text{C}-\text{C}^{\circ}\text{C}\text{H}\text{ C}_{,,}\text{P}^{\circ}\text{PeC}, \text{PsC}\text{H}\text{C}-\text{PI}(\text{P}\P\text{C}-\text{PSPsC}\ddagger\text{P}^{\circ}$
 $\text{C}\acute{\text{I}}\text{C}, \text{P}^{\circ}\text{C}, \text{CH}_{\text{B}}, \text{P}\gg\text{C}-\text{C}, \text{PSC}-\text{PN}_{\text{B}}\text{ PIC}-\text{Pe}, \text{PIC}-\text{PrC}\acute{\text{I}}\text{C}\acute{\text{r}}\text{C}, \text{PSC}-\text{C}\acute{\text{I}}\text{C}, \text{CH}_{\text{B}}\text{ P}\cdot\text{PIP}\ddot{\text{e}}\text{C}\ddagger\text{PeP}\ddot{\text{e}}\text{ PrPs}$
 $\text{P}\ddot{\text{i}}\text{P}^{\circ}\text{P}\gg\text{C}-\text{PSPSC}\P), \text{C}\P\text{PeC}-\text{PjPsP}\P\text{C}\acute{\text{r}}\text{C}, \text{CH}_{\text{B}}\text{ P}\cdot\text{PSP}\ddot{\text{e}}\text{P}\P\text{C}\acute{\text{r}}\text{PIP}^{\circ}\text{C}, \text{P}\ddot{\text{e}}\text{ PjP}_{\text{M}}\text{C}, \text{P}^{\circ}\text{P}\pm\text{PsP}\gg\text{C}-\text{P}\cdot\text{Pj}$
 $\text{PsP}\gg\text{P}^{\circ}\text{PSP}\cdot\text{P}^{\circ}\text{P}\ddot{\text{I}}\text{C}-\text{PSC}\acute{\text{r}}. \text{P}_{\text{H}}\text{C}-\text{PrPIP}\ddot{\text{e}}\text{C}\%_{\text{O}}\text{P}_{\text{M}}\text{PSPSC}\P\text{ PrPsP}\cdot\text{P}\ddot{\text{e}}\text{ C}, \text{P}^{\circ}\text{PeP}\ddot{\text{e}}\text{Pj}\text{ P}\ddot{\text{i}}\text{P}^{\circ}\text{C}\ddagger\text{C}-\text{C}^{\circ}\text{PSC}, \text{P}^{\circ}\text{Pj},$
 $\text{C}\P\text{PeC}\%_{\text{O}}\text{Ps}\text{ C}\ddagger\text{P}_{\text{M}}\text{ P}\ddot{\text{i}}\text{PsPeP}^{\circ}\text{P}\cdot\text{P}^{\circ}\text{PSPs}, \text{P}\ddot{\text{i}}\text{PsC}, \text{C}\text{H}\text{C}-\text{P}\pm\text{PSPs}\text{ P}\cdot\text{PrC}-\text{PN}_{\text{B}}\text{C}\acute{\text{I}}\text{PSC}\text{HPIP}^{\circ}\text{C}, \text{P}\ddot{\text{e}}$
 $\text{PePsPSC}\acute{\text{I}}\text{P}_{\text{M}}\text{C}\text{H}\text{PIP}^{\circ}\text{C}, \text{P}\ddot{\text{e}}\text{PIPSPs}(\text{PrP}\ddot{\text{e}}\text{PI}. \text{C}\text{H}\text{PsP}\cdot\text{PrC}-\text{P}\gg\text{P}\ddot{\text{e}}\text{ B}\ll\text{P}^{\circ}\text{P}\cdot\text{P}^{\circ}\text{C}^{\circ}\text{PjPsPrC}-\text{C}\P\text{ P}\cdot\text{C}-\text{PSC}\epsilon\text{P}\ddot{\text{e}}\text{PjP}\ddot{\text{e}}$
 $\text{P}\gg\text{C}-\text{PeP}^{\circ}\text{C}\text{H}\text{C}\acute{\text{I}}\text{CH}_{\text{B}}\text{PeP}\ddot{\text{e}}\text{PjP}\ddot{\text{e}}\text{ P}\cdot\text{P}^{\circ}\text{C}\acute{\text{I}}\text{PsP}\pm\text{P}^{\circ}\text{PjP}\ddot{\text{e}}\text{ C}, \text{P}^{\circ}\text{ C}-\text{PSC}\epsilon\text{C}-\text{PIP}\ddot{\text{e}}\text{PrP}\ddot{\text{e}}\text{ PIP}\cdot\text{P}^{\circ}\text{C}^{\circ}\text{PjPsPrC}-\text{PN}_{\text{B}}\text{B}\gg$

C,P° B«PαP°CḡPjP°PePsPeC-PSPμC,PëPeP°B»).

P''C-C,Pë.

PhP»P°PSP·P°PīC-PS PSPμ CḡPμPePsPjPμPSPPrCfC''C,CHCfCḡ P·P°CfC,PsCfCfPICfPIP°C,Pë
PrC-C,CḡPj PIC-PePsPj PrPs 18 CḡPsPeC-PI, PsCfCfPeC-P»CHPePë PSPμPjP°C''
PrPsCfC,P°C,PSC-C... PrP°PSPëC... C%PsPrPs P±PμP·PīPμPePë C,P° PμC,,PμPeC,PëPIPSfCfC,C-
PNëPsPiPs P·P°CfC,PsCfCfPIP°PSPSCḡ. Pj PīCḡPsCfPμCfC-
PePsCḡPsC,PePsCfC,CḡPsPePsPIPëC... PrPsCfCfP»C-PrPḡPμPSCH Cf PīP°CfC-C''PSC,C-PI
PīC-PrP»C-C,PePsPIPfPiPs PIC-PeCf PIC-PrP·PSP°CfP°P»PsCfCḡ P·P±C-P»CHCfPμPSPSCḡ
PjP°CfPë C,C-P»P°, P·PjC-PSPë CḡC-PIPSḡ PīCḡPsP»P°PeC,PëPSCf C,P° P»C-PīC-PrC-PI
PīPsCḡC-PIPSḡPSPs P· PrPsCḡPsCfP»PëPjPë (PrPëPI. CḡPsP·PrC-P»Pë
B«PhCfPsP±P»PëPIPSfCfC,C- P·P°CfC,PsCfCfPIP°PSPSCḡB», B«PμPsP±C-CfPSC-
CḡPμP°PeCfC-C-B» C,P° B«PαP°CḡPjP°PePsP»PsPiC-CfPSC- PIP»P°CfC,PëPIPSfCfC,C-B»).

PμPμCḡPμPrPsP·CfPIP°PSPSCḡ.

PŸPëPjPīC,PsPjPë. P''CfPḡPμ PīPsCfPëCḡPμPSC- (>10 % PIPëPīP°PrPeC-PI) Bḡ''
C,P°C...C-PeP°CḡPrC-Cḡ, P°PḡPëC,P°CfC-Cḡ/P°PīCḡPμCfPëPIPSḡ-CfC,CH,
PrPëP·P°CḡC,CḡC-Cḡ, CḡC-P·PSC- PμPeCfC,CḡP°PīC-CḡP°PjC-PrPSC- CfPëPjPīC,PsPjPë C,P°
P·PSPëPḡPμPSPëPNë CḡC-PIPμPSCH CfPIC-PrPsPjPsCfC,C-, C%Ps PIP°CḡC-CḡC''C,CHCfCḡ
PIC-Pr CfPμPrP°CfC-C— PrPs PePsPjPë.

PfPSCfPëPjPë P·PSP°CfPSPëPjPë CfCfPeP»P°PrPSPμPSPSCḡPjPë PīPμCḡPμPrPsP·CfPIP°PSPSCḡ
C'' PrPμP»C-CḡC-PNë, CfCfPrPsPjPë, PePsPjP°, PjPsPḡP»PëPIC-CfC,CH PIPëPSPëPePSPμPSPSCḡ
PḡP—PŸ, PīCḡPëPīPSC-CfPμPSPSCḡ PrPëC...P°PSPSCḡ, P°CfPīC-CḡP°CfC-Cḡ,
P°CḡC,PμCḡC-P°P»CHPSP° PīC-PīPμCḡC,PμPSP·C-Cḡ P°P±Ps PīC-PīPsC,PμPSP·C-Cḡ,
CfPμCḡCfPμPIP° P°CḡPëC,PjC-Cḡ (<2 % PIPëPīP°PrPeC-PI PīPμCḡPμPrPsP·CfPIP°PSPSCḡ) C,P°
PeP°CḡPrC-PsPīCfP»CHPjPsPSP°P»CHPSPëPNë CfPsPe. P>PμC,P°P»CHPSC- PSP°CfP»C-PrPePë
PIC-PrP·PSP°CfP°P»PëCfCḡ PīCḡPë PīPsCfC,CḡPsPjCf PīPμCḡPμPrPsP·CfPIP°PSPSC- PSP°
CḡC-PIPSḡ- 450 PjPi, P°P»Pμ P±CfP»Pë PNë PIPëPīP°PrPePë PIPëPḡPëPIP°PSPSCḡ PīC-CfP»Cḡ
PīPsCfC,CḡPsPiPs PīPμCḡPμPrPsP·CfPIP°PSPSCḡ PīC-CfP»Cḡ PīCḡPëPNëPsPjCf 2 Pi
PsP»P°PSP·P°PīC-PSCf PīPμCḡPsCḡP°P»CHPSPs.

P>C-PeCfPIP°PSPSCḡ. PŸPīPμCfPëC,,C-CfPSPëPNë P°PSC,PëPrPsC, PsP»P°PSP·P°PīC-PSCf
PIC-PrCfCfC,PSC-PNë. PḡPμ CḡPμPePsPjPμPSPPrCfC''C,CHCfCḡ PIPëPeP»PëPeP°C,Pë
P±P»CHPIP°PSPSCḡ. P PμPePsPjPμPSPPrPsPIP°PSPs CfC,P°PSPPrP°CḡC,PSC-
PīCḡPsCfPμPrCfCḡPë PīCḡPë PīPμCḡPμPrPsP·CfPIP°PSPSC- (PSP°PīCḡPëPeP»P°Pr,
PīCḡPsPjPëPIP°PSPSCḡ CfP»CfPSPeP°, PīCḡPëPNëPsPj P°PeC,PëPIPSPIP°PSPsPiPs
PICfPiC-P»P»Cḡ). P·CfP»Ps PIPëCḡPIP»PμPSPs, C%Ps CfCfPīCfC,PSC-PNë PīCḡPëPNëPsPj
P°PeC,PëPIPSPIP°PSPsPiPs PICfPiC-P»P»Cḡ P·PjPμPSCfCfC'' P±C-PsPrPsCfC,CfPīPSC-CfC,CH
PsP»P°PSP·P°PīC-PSCf PīCḡPë PīPμCḡPsCḡP°P»CHPSPsPjCf PīCḡPëPNëPsPjC- PSP° 50-60 %.

P'C-PrPīPsPIC-PrPSPs PrPs PeP»C-PSC-CfPSPëC... PīCḡPsCḡPIC-PI CfP»C-Pr
PSP°P»P°PīPsPrPëC,Pë CfPëPjPīC,PsPjP°C,PëCfPSPμ P»C-PeCfPIP°PSPSCḡ C,P°
PjPsPSC-C,PsCḡPëPSPi PḡPëC,C,C''PIPs PIP°PḡP»PëPIPëC... C,,CfPSPeCfC-PNë,
PIPeP»CHCfP°CHCfPë P»C-PeCfPIP°PSPSCḡ P°CḡC,PμCḡC-P°P»CHPSPsC—
PīC-PīPsC,PμPSP·C-C— C,P° CfPëCḡPeCfP»CḡC,PsCḡPSPsC— PSPμPrPsCfC,P°C,PSPsCfC,C-, P°

C,P°PePsP¶ PiC-PrC,ChPëPjP°PSPSC¶ PrPëC...P°PSPSC¶. PkPµ CΓP»C-Pr
P·P°CΓC,PsCΓPsPICrPIP°C,Pë PµPiC-PSPµC,,ChPëPS, PrPsPiP°PjC-PS C,P° C-PSC€C-
CΓPëPjPiP°C,PsPjC-PjPµC,PëPePë P· PrC-C”Cñ, C...P°ChP°PeC,PµChPSPsCñ PrP»C¶ P±PµC,P°-
P°PiPsPSC-CΓC,C-PI, PsCΓPeC-P»CHPePë P±PµC,P°-CΓC,PëPjCrP»C¶C†C-C¶ PjPsP¶Pµ
PiPsCΓPëP»PëC,Pë PiChPsC¶PIPë P°ChC,PµChC-P°P»CHPSPsC— PiC-PiPsC,PµPSP·C-C—.
P”P»C¶ PIPëC¶PIP»PµPSPSC¶ PjPsP¶P»PëPIPsC— P°ChPëC,PjC-C— PSPµPsP±C...C-PrPSPëPN
PjPsPSC-C,PsChPëPSPi CΓPµChC†PµPIPs-CΓCrPrPëPSPSPsC— CΓPëCΓC,PµPjPë.
P PµC,PµP»CHPSPëPN PjPµPrPëC†PSPëPN PSP°PiP»C¶IPr C,P° PjPsPSC-C,PsChPëPSPi PjP°C”
C,ChPëPIP°C,Pë PrPs PiPsPIPSPsPiPs PsPrCrP¶P°PSPSC¶ PiP°C†C-C”PSC,P°.

PµPsP±C-C†PSC- ChPµP°PeC†C-C—.

PµPsCñPsC,PePëPN PsPiPëCΓ PiChPsC,,C-P»Cñ P±PµP·PiPµPePë

P”PsChPsCΓP»C-

PkP°PN C†P°CΓC,C-C€C- PiPsP±C-C†PSC- ChPµP°PeC†C-C— (CΓPiPsCΓC,PµChC-PiP°P»PëCΓC¶
C† ≥1 % PiP°C†C-C”PSC,C-PI), PiPsPiBñ™ C¶P·P°PSC- C-P· P·P°CΓC,PsCΓCrPIP°PSPSC¶Pj
PsP»P°PSP·P°PiC-PSC† PI PiChPsC†PµCΓC- PeP»C-PSC-C†PSPëC... PrPsCΓP»C-PrP¶PµPSCñ:
CΓPsPSP»PëPIC-CΓC,CH, P·P±C-P»CHC€PµPSPSC¶ PjP°CΓPë C,C-P»P°,
PµPsP·PëPSPsC,,C-P»C-C¶, PiC-PrPIPëC%PµPSPSC¶ ChC-PIPSC¶ PiChPsP»P°PeC,PëPSC†,
C...PsP»PµCΓC,PµChPsP»C† (C...PsP»PµCΓC,PµChPëPSC†), PiP»CñPePsP·Pë C,P°
C,ChPëPiP»C-C†PµChPëPrC-PI C† PeChPsPIC- (PrPëPI. ChPsP·PrC-P»
B«PhCΓPsP±P»PëPIPsCΓC,C- P·P°CΓC,PsCΓCrPIP°PSPSC¶B»), PiP»CñPePsP·C†ChC-C¶,
PiC-PrPIPëC%PµPSPSC¶ P°PiPµC,PëC,C†, P·P°PiP°PjPsChPsC†PµPSPSC¶, P°PeP°C,PëP·C-C¶,
PiP°ChPeC-PSC†PsPSC-P·Pj, P»PµPN PePsPiPµPSC-C¶, PSPµPN C,ChPsPiPµPSC-C¶ (PrPëPI.
ChPsP·PrC-P» B«PhCΓPsP±P»PëPIPsCΓC,C- P·P°CΓC,PsCΓCrPIP°PSPSC¶B»),
PrPëCΓPeC-PSPµP·C-C¶, PsChC,PsCΓC,P°C,PëC†PSP° PiC-PiPsC,PµPSP·C-C¶,
P°PSC,PëC...PsP»C-PSPµChPiC-C†PSC- PµC,,PµPeC,Pë, C,ChP°PSP·PëC,PsChPSPµ
P°CΓPëPjPiC,PsPjP°C,PëC†PSPµ PiC-PrPIPëC%PµPSPSC¶ PiPµC†C-PSPePsPiPëC...
C,ChP°PSC†P°PjC-PSP°P· (PrPëPI. ChPsP·PrC-P» B«PhCΓPsP±P»PëPIPsCΓC,C-
P·P°CΓC,PsCΓCrPIP°PSPSC¶B»), PIPëCΓPëPiP°PSPSC¶, P°CΓC,PµPSC-C¶,
CΓC,PsPjP»CñPIP°PSC-CΓC,CH, PiC-PiPµChC,PµChPjC-C¶, P°ChC,ChP°P»PiC-C¶,
PiC-PrPIPëC%PµPSPSC¶ ChC-PIPSC¶ P°P»PeP°P»C-PSC,,PsCΓC,,P°C,P°P·Pë,
PiP°PjPjP°PiP»C†C,P°PjC-P»C,ChP°PSC†C,,PµChP°P·Pë, CΓPµC†PsPIPsC— PePëCΓP»PsC,Pë,
PeChPµP°C,PëPSC,,PsCΓC,,PsPeC-PSP°P·Pë C,P° PSP°P±ChC¶PePë.

PjP°P±P»PëC†PSPëPN PiPµChPµP»C-Pe PiPsP±C-C†PSPëC... ChPµP°PeC†C-PN

Pj C,P°P±P»PëC†C- PiC-PrCΓCrPjPsPIP°PSPs PsCΓPSPsPIPSC- PiPsP±C-C†PSC-
ChPµP°PeC†C-C— C,P° P»P°P±PsChP°C,PsChPSC- PrPsCΓP»C-PrP¶PµPSPSC¶,
PIPëP·PSP°C†PµPSC- C† PiChPsC†PµCΓC- PeP»C-PSC-C†PSPëC... PrPsCΓP»C-PrP¶PµPSCñ C,P°
PSP° PsCΓPSPsPIC- PiPsCΓC,PjP°ChPePµC,PëPSPiPsPIPsPiPs PrPsCΓPIC-PrC†.

Pj PjPµP¶P°C... PePsP¶PSPsC— PiChCrPiPë C†P°CΓC,PsC, PiPsP±C-C†PSC- ChPµP°PeC†C-C—
PiChPµPrCΓC,P°PIP»PµPSC- PI PiPsChC¶IPrPeC† P·PjPµPSC€PµPSPSC¶
CΓPµChPN PsP·PSPsCΓC,C-.

PŞP°CΓC,PsC,P° PIPëPSPëPePSPµPSPSC¶ PiPsP±C-C†PSPëC... ChPµP°PeC†C-PN
PeP»P°CΓPëC,,C-PeC†C”C,CHCΓC¶ C,P°PePëPj C†PëPSPsPj: PrCrP¶Pµ C†P°CΓC,Ps (≥1/10),

C†P°C†C,Ps (PIC-Pr ≥1/100 PrPs <1/10), PSPμC†P°C†C,Ps (PIC-Pr ≥1/1000 PrPs <1/100), C‡C-PrPePs (PIC-Pr ≥1/10000 PrPs <1/1000), PrC†P¶Pμ C‡C-PrPePs (<1/10000), C†P°C†C,PsC,P° PSPμPIC-PrPsPjP° (C†P°C†C,PsC,C† PSPμ PjPsP¶PSP° PIC†C,P°PSPsPIPëC,Pë PSP° PsC†PSPsPIC-PSP°C¶PIPSPëC... PrP°PSPëC...).

P°C†P¶Pμ C†P°C†C,Ps	P\$P°C†C,Ps	PκPμC†P°C†C,Ps	P C-PrPePs	P\$P°C†C,PsC,P° PSPμPIC-PrPsPjP°
P— P±PsPeC† C†PëC†C,PμPjPë PeC‡PsPIPsC,PIPsC‡PμPSPSC¶ C,P° P»C-PjC,,P°C,PëC†PSPsC— C†PëC†C,PμPjPë				
	P•PsP·PëPSPsC,,C-P»C-Cl¶, P»PμPñPePsPiPμPSC-Cl¶ ¹⁰ , PSPμPñC,C‡PsPiPμPSC-Cl¶ ¹⁰		PÿC‡PsPjP±PsC†PëC,PsPiPμ-PSC-Cl¶ ¹¹	
P— P±PsPeC† C-PjC†PSPSPsC— C†PëC†C,PμPjPë				
		P°C-PiPμC‡C†C†C,P»PëPIC-C†C, C‡ ¹¹		
PμPsC‡C†C€PμPSPSC¶ PsP±PjC-PSC† C‡PμC†PsPIPëPS C,P° C‡PsP·P·P°PrPë C,C‡P°PIP»PμPSPSC¶				
P—P±C-P»C‡C€PμPSPSC¶ PjP°C†Pë C,C-P»P° ¹	PμC-PrPIPëC%PμPSPSC¶ C‡C-PIPSC¶ C...PsP»PμC†C,PμC‡PëPSC ^{f2,3} , PiC-PrPIPëC%PμPSPSC¶ C‡C-PIPSC¶ PiP»C‡PePsP·Pë ⁴ , PiC-PrPIPëC%PμPSPSC¶ C‡C-PIPSC¶ C,C‡PëPiP»C-C†PμC‡PëPrC-PI ² , ⁵ , PiP»C‡PePsP·C†C‡C-Cl¶, PiC-PrPIPëC%PμPSPSC¶ P°PiPμC,PëC,C†	P PsP·PIPëC,PsPe P°P±Ps P·P°PiPsC†C,C‡PμPSPSC¶ PrC-P°P±PμC,C†, C‡C-PrPePs PiPsPiñ‡ [™] Cl¶P·P°PSPsPiPs P· PePμC,PsP°C†PëPrPsP·PsPj P°P±Ps PePsPjPsC‡, PiPeP»C‡C†P°C‡C†Pë PrPμCl¶PeC- P»PμC,P°P»C‡PSC- PIPëPiP°PrPePë ¹¹	P°C-PiPsC,PμC‡PjC-Cl¶ ¹²	
P— P±PsPeC† PSPμC‡PIPsPIPsC— C†PëC†C,PμPjPë				
PÿPsPSP»PëPIC-C†C,C‡	P—P°PiP°PjPsC‡PsC†PμPSPSC¶, P°PeP°C,PëP·C-Cl¶ ⁶ , PiP°C‡PeC-PSC†PsPSC-P·Pj ⁶ , PrPëC†PeC-PSPμP·C-Cl¶ ⁶	P·PiC-P»PμPiC,PëC†PSC- PSP°PiP°PrPë, C%Ps P±C†P»Pë Pi P°PSP°PjPSPμP·C- P°P±Ps P±C†P»Pë PSP°Cl¶PIPSC- C,,P°PeC,PsC‡Pë C‡PëP·PëPeC† ¹¹ , PrPëC†C,PsPSC-Cl¶ (PIPeP»C‡C†PSPs P· PsPeC†P»Cl¶C‡PSPëPj C†PëPjPiC,PsPjPsPj) ¹¹ , PiC-P·PSC¶ PrPëC†PeC-PSPμP·C-Cl¶ ¹¹ , P°PjPSPμP·C-Cl¶ ⁷ , PrPëP·P°C‡C,C‡C-Cl¶, P·P°C—PeP°PSPSC¶ ¹¹ , C†PëPSPrC‡PsPj PiC,PsPjP»PμPSPëC... PSC-Pi ¹¹	PκPμPñC‡PsP»PμPiC,PëC†- PSPëPñ P·P»PSC¶PeC-C†PSPëPñ C†PëPSPrC‡PsPj ¹² , C†PëPSPrC‡PsPj PIC-PrPjC-PSPë ^{7,12}	
P— P±PsPeC† C†PμC‡C†PμPIPsC— C†PëC†C,PμPjPë				
		P·C‡P°PrPëPeP°C‡PrC-Cl¶, PiC‡PsP»PsPSiP°C†C-Cl¶ C-PSC,PμC‡PIP°P»C† QTc	P°PμPSC,C‡PëPeC†P»Cl¶C‡PSP° C,P°C...C-PeP°C‡PrC-Cl¶/C,,C-P±- C‡PëP»Cl¶C†C-Cl¶, C‡P°PiC,PsPiP° C†PjPμC‡C,C‡ ¹¹	
P— P±PsPeC† C†C†PrPëPSPSPsC— C†PëC†C,PμPjPë				
PκC‡C,PsC†C,P°-C,PëC†PSP° PiC-PiPsC,PμPSP·C-Cl¶ ¹⁰		PÿC‡PsPjP±PsPμPjP±PsP»C-Cl¶ (PIPeP»C‡C†P°C‡C†Pë PμPjP±PsP»C-C‡ P»PμPiPμPSPμPIPsC— P°C‡C,PμC‡C-C— C,P° PiP»PëP±PsPePëPñ PIPμPSPsP·PSPëPñ C,C‡PsPjP±PsP·)		
P— P±PsPeC† PrPëC,...P°P»C‡PSPsC— C†PëC†C,PμPjPë, PsC‡PiP°PSC-PI PiC†C†PrPSPsC— PeP»C-C,PëPë C,P° PjPμPrC-P°C†C,PëPSP°P»C‡PSC-PiPsC‡C†C€PμPSPSC¶				
		PñC‡PsPIPsC,PμC†P° P· PSPsC†P° ⁹		
P— P±PsPeC† C€P»C†PSPePsPIPs-PePëC€PePsPIPsPiPs C,C‡P°PeC,C†				
	P·PμPiPeC-, PePsC‡PsC,PePsC,C‡PePiP°P»C- P°PSC,PëC...PsP»C-PSPμC‡PiC- C†PSC- PμC,,PμPeC,Pë, PIPeP»C‡C†P°C‡C†Pë P·P°PiPsC‡ C,P° C†C†C...C-C†C,C‡ C† C‡PsC,C-	P—PrC†C,C,Cl¶ P¶PëPIPsC,P° ⁹ , PiC-PiPμC‡C†PμPeC‡PμC†C-Cl¶ C†P»PëPSPë ¹¹	PμP°PSPeC‡PμP°C,PëC, ¹¹	
P— P±PsPeC† PiPμPiP°C,PsP±C-P»C-P°C‡PSPsC— C†PëC†C,PμPjPë				
	PÿC‡P°PSP·PëC,PsC‡PSPëPñ, P°C†PëPjPiC,PsPjP°C,PëC†PSPëP ñ PiC-PrPñPsPj C‡C-PIPSC¶ PiPμC†C-PSPePsPIPëC... C,C‡P°PSC†P°PjC-PSP°P· (P‡P»P‡P‡C,P° P‡C†P‡P‡), PsC†PsP±P»PëPIPs PSP° PiPsC†P°C,PëC† P»C-PeC†PiP°PSPSC¶		P°PμPiP°C,PëC, (PIPeP»C‡C†P°C‡C†Pë PiPμPiP°C,PsC†PμP»C‡P»Cl¶C‡-PSPμ, C...PsP»PμC†C,P°C,PëC†PSPμ P°P±Ps P·PjC-C€P°PSPμ C†C€PePsPrP¶PμPSPSC¶ PiPμC†C-PSPePë) ¹¹	
P— P±PsPeC† C€PeC-C‡Pë C,P°C—C— PiPsC...C-PrPSPëC...				
	P°C†PëPiP°PSPSC¶	P PμP°PeC†C— C†PIC-C,P»PsC†C†C,P»PëPIPsC† C,C-, P°P»PsPiPμC†C-Cl¶		PñPμPrPëPeP°PjPμPS- C,PsP·PSP° C‡PμP°PeC†C-Cl¶ P· PμPsP·PëPSPsC,,C-P»C-C°C ‡ C,P° C†PëC†C,PμPjPSPëPjPë C†PëPjPiC,PsPjP°PjPë (DRESS)

P— P±PsPeCf PeC-CfC,PePsPIPs-Pj ¹⁰ CИP-PsPIPsC— CfPëCfC,PuPjPë C,P° CfPiPsP»CfC±PSPsC— C,PeP°PSPëPSPë		P P°P±PrPsPjC-PsP»C-P. ¹¹	
P±PsPeCf PSPëCfPsPe C,P° CfPuC±PsPIPëPrC-P»CHbPSPsC— CfPëCfC,PuPjPë			
		PkPuC,CfPëPjP°PSPSCИ CfPuC±C-, P-P°C,CfPëPjPëP° CfPuC±C-, CfC,CfCfPrPSPµPSPµ CfPuC±PsPIPëPiCfCfPëP°PSPSC И ¹¹	
P-P°PiC-C,PSC-CfC,CHb, PiC-CfP»CИCfPsPrPsPIPëPNë C,P° PiPuCfPëPSP°C,P°P»CHbPSPëPNë PiPuCfC-PsPr		PÿPëPSPrCfPsPj PIC-PrPjC-PSPë Cf PSPsPIPsPSP°CfPsPrPµPµ-PSPëC...	
P— P±PsPeCf CИPµPiCfPsPrCfPeC,PëPIPSsC— CfPëCfC,PuPjPë C,P° PjPsP»PsC±PSPëC... P-P°P»PsP·			
P·CfPuPeC,PëP»CHbPSP° PrPëCfC,CfPSPëCfC-CИ Cf C±PsP»PsPIC-PeC-PI; P·PSPëPµPµPSPSCИ P»C-P±C-PrPs Cf PµC-PSPsPe C,P° C±PsP»PsPIC-PeC-PI		PbPjPuPSPsCfPuCИ, P·P±C-P»CHbCëPuPµPSPSCИ PiCfCfPrPuPNë, PiP°P»P°PeC,PsCfPuCИ Cf PµC-PSPsPe, PiC-PSPµPePsPjP°CfC,C-CИ/P-P ±C-P»CHb- CëPuPµPSPSCИ PiCfCfPrPuPNë Cf C±PsP»PsPIC-PeC-PI	PµCfC-P°PiC-P·Pj ¹²
P— P°PiP°P»CHbPSC- CИPsP·P»P°PrPë C,P° PsCfPsP±P»PëPIPsCfC,C- P-P°CfC,PsCfCfPiP°PSPSCИ			
		PbCfC,PµPSC-CИ, PiC,PsPjP»CfPiP°PSC-CfC,CHb, PSP°P±CfCИPePë, PiC-CfPuPeCfC-CИ ¹⁰	
P°PsCfP»C-PrPµPµPSPSCИ			
PµC-PrPIPëC%µPµPSPSCИ CfC-PIPSCИ PiCfPsP»P°PeC,PëPSCf PI PiP»P°P·PjC- ⁸	PµC-PrPIPëC%µPµPSPSCИ CfC-PIPSCИ P°P»PeP°P»C-PS- C,,PsCfC,,P°C,P°P·Pë ¹⁰ , PiC-PrPIPëC%µPµPSPSCИ PeCfPuP°C,PëPSC,,PsCfC,,PsPe C-PSP°P·Pë ¹¹ , PiC-PrPIPëC%µPµPSPSCИ CfC-PIPSCИ PiP°PjPjP°PiP»CfC,P°PjC-P»C,C fP°PSCfC,,PuCfP°P·Pë ¹⁰ , PiC-PrPIPëC%µPµPSPSCИ CfC-PIPSCИ CfPuC±PsPIPsC— PePëCfP»PsC,Pë ¹⁰	PµC-PrPIPëC%µPµPSPSCИ P·P°PiP°P»CHbPSPsPiPs P±C-P»C-CfCfP±C-PSCf	

¹ PµP»C-PSC-C±PSPs P·PSP°C±CfC%µPµ P·P±C-P»CHbCëPuPµPSPSCИ PjP°CfPë C,C-P»P°
CfPiPsCfC,PµCfC-PiP°P»PsCfCИ PI CfCfC-C... PeP°C,PµPiPsCfC-PNë PiP°CfC-C”PSC,C-PI P·P°
P†PµPÿ (C-PSPrPuPeCf PjP°CfPë C,C-P»P°). PµC-CfP»CИ PePsCfPsC,PePsC±P°CfPSPsPiPs
P»C-PeCfPiP°PSPSCИ (CfPuCfPuPrPSCИ C,CfPëPiP°P»C-CfC,CHb CfC,P°PSPsPIPëP»P° 47
PrPSC-PI) P·P±C-P»CHbCëPuPµPSPSCИ PjP°CfPë C,C-P»P° PSP° ≥ 7 %
CfPiPsCfC,PµCfC-PiP°P»PsCfCИ PrCfPµ C±P°CfC,Ps (22,2 % PIPëPiP°PrPeC-PI), PSP° ≥ 15 %
CfPiPsCfC,PµCfC-PiP°P»PsCfCИ C±P°CfC,Ps
(4,2 % PIPëPiP°PrPeC-PI), PSP°B ≥ 25 % CfPiPsCfC,PµCfC-PiP°P»PsCfCИ PSPµC±P°CfC,Ps (0,8
% PIPëPiP°PrPeC-PI). Pj PiP°CfC-C”PSC,C-PI, CИPeC- PsC,CfPëPjCfPiP°P»Pë C,CfPëPiP°P»Cf
C,PµCfP°PiC-Cf (PiCfPëPSP°PNëPjPSC- PiCfPsC,CИPiPsPj 48 C,PëPµPSC-PI),
P·P±C-P»CHbCëPuPµPSPSCИ PjP°CfPë C,C-P»P° PSP° ≥ 7 %, ≥ 15 %, ≥ 25 %
CfPiPsCfC,PµCfC-PiP°P»PsCfCИ PrCfPµ C±P°CfC,Ps (Cf 64,4 %, 31,7 %, 12,3 %
PIPëPiP°PrPeC-PI PIC-PrPiPsPIC-PrPSPs).B

² PÿPuCfPuPrPSC- PiC-PrPIPëC%µPµPSPSCИ CfC-PIPSCИ P»C-PiC-PrC-PI PSP°C,C%µPµ
(P·P°PiP°P»CHbPSPëPNë C...PsP»PuCfC,PµCfPsP», P»C-PiPsPiCfPsC,PµC—PSPë
PSPëP·CHbPePsC— C%µC-P»CHbPSPsCfC,C- (P·PµPµP°) C- C,CfPëPiP»C-CfPuCfPëPrPë)
P±CfP»Pë P±C-P»CHbCë P·PSP°C±PSC- Cf PiP°CfC-C”PSC,C-PI, Cf CИPePëC... CfPiPsC±P°C,PeCf
PSPµ CfPiPsCfC,PµCfC-PiP°P»PsCfCИ PiPsCfCfCëPuPµPSCИ PsP±PjC-PSCf P»C-PiC-PrC-PI.

³ PÿPiPsCfC,PµCfC-PiP°P»PsCfCИ Cf PiP°CfC-C”PSC,C-PI P· PSPsCfPjP°P»CHbPSPëPj
PiPsC±P°C,PePsPIPëPj CfC-PIPSµPj PSP°C,C%µPµ (< 5,17 PjPjPsP»CHb/P»), CИPePëPNë
PiC-PrPIPëC%µCfPiP°PICfCИ PrPs PIPëCfPsPePsPiPs (≥ 6,2 PjPjPsP»CHb/P»). P”CfPµ
C±P°CfC,Ps PiPsPIC-PrPsPjP»CИP»PsCfCИ PiCfPs CfP°PiC,PsPIPµ PiC-PrPIPëC%µPµPSPSCИ
CfC-PIPSCИ P·P°PiP°P»CHbPSPsPiPsB C...PsP»PuCfC,PµCfPsP»Cf PSP°C,C%µPµ P·
PiPsC±P°C,PePsPIPsPiPs CfC-PIPSCИ (≥ 5,17 - < 6,2 PjPjPsP»CHb/P») PrPs PIPëCfPsPePsPiPs
CfC-PIPSCИ
(≥ 6,2 PjPjPsP»CHb/P»).

⁴ PŸPİPsCİC,PµCḡC-PİP°P»PsCİCİ Cı PİP°CİC-C”PSC,C-PI P· PSPsCḡPjP°P»CHPSPëPj PİPsCİP°C,PePsPIPëPj CḡC-PIPSPµPj PSP°C,C%µPµ (< 5,56 PjPjPsP»CH/P»), CİPePëPNe PİC-PrPIPëC%µCıPİP°PICİCİ PrPs PİPëCİPsPePsPiPs (≥ 7 PjPjPsP»CH/P»). P”CıP¶Pµ CİP°CİC,Ps PİPsPIC-PrPsPjP»CİP»PsCİCİ PİCḡPs CḡP°PİC,PsPIPµ PİC-PrPIPëC%µPµPSPSCİ CḡC-PIPSCİ PİP»CḡPePsP·Pë PSP°C,C%µPµ P· PİPsCİP°C,PePsPIPsPiPs CḡC-PIPSCİ (≥ 5,56 - < 7 PjPjPsP»CH/P») PrPs PİPëCİPsPePsPiPs CḡC-PIPSCİ (≥ 7 PjPjPsP»CH/P»).

⁵ PŸPİPsCİC,PµCḡC-PİP°P»PsCİCİ Cı PİP°CİC-C”PSC,C-PI P· PSPsCḡPjP°P»CHPSPëPj PİPsCİP°C,PePsPIPëPj CḡC-PIPSPµPj PSP°C,C%µPµ (< 1,69 PjPjPsP»CH/P»), CİPePëPNe PİC-PrPIPëC%µCıPİP°PICİCİ PrPs PİPëCİPsPePsPiPs (≥ 2,26 PjPjPsP»CH/P»). P”CıP¶Pµ CİP°CİC,Ps PİPsPIC-PrPsPjP»CİP»PsCİCİ PİCḡPs CḡP°PİC,PsPIPµ PİC-PrPIPëC%µPµPSPSCİ CḡC-PIPSCİ C,CḡPëPİP»C-CİPµCḡPëPrC-PI PSP°C,C%µPµ P· PİPsCİP°C,PePsPIPsPiPs CḡC-PIPSCİ (≥ 1,69 - < 2,26 PjPjPsP»CH/P») PrPs PİPëCİPsPePsPiPs CḡC-PIPSCİ (≥ 2,26 PjPjPsP»CH/P»).

⁶ PµC-Pr CİP°Cİ PeP»C-PSC-CİPSPëC... PrPsCİP»C-PrP¶PµPSCḡ CİP°CİC,PsC,P° PİPëPSPëPePSPµPSPSCİ PİP°CḡPeC-PSCİPsPSC-P·PjCı C- PrPëCİC,PsPSC-C— Cı PİP°CİC-C”PSC,C-PI, CİPeC- P·P°CİC,PsCİPsPICıPİP°P»Pë PsP»P°PSP·P°PİC-PS, P±CıP»P° PİPëC%µP°, PSC-P¶ Cı PİCḡPsCİPµCİC- PrPsCİP»C-PrP¶PµPSCḡ PİP»P°CİPµP±Ps, P°P»Pµ PeP»C-PSC-CİPSPs PSPµP·PSP°CİPSPs. PŞP°CİC,PsC,P° PİPëPSPëPePSPµPSPSCİ PİP°CḡPeC-PSCİPsPSC-P·PjCı, P°PeP°C,PëP·C-C— C,P° PrPëCİC,PsPSC-C— Cı PİP°CİC-C”PSC,C-PI, CİPeC- P·P°CİC,PsCİPsPICıPİP°P»Pë PsP»P°PSP·P°PİC-PS, P±CıP»P° PSPëP¶CİP°, PSC-P¶ PİCḡPë P·P°CİC,PsCİCıPİP°PSPSC- C,PëC,CḡPsPIP°PSPëC... PrPsP· PİP°P»PsPİPµCḡPëPrPsP»Cı. PŞPµCḡPµP· PIC-PrCİCıC,PSC-CİC,CH C-PSC,,PsCḡPjP°CİC-C— PİCḡPs PSP°CİPIPSC-CİC,CH PI P°PSP°PjPSPµP·C- PİPsCİC,CḡPëC... P°P±Ps PİC-P·PSC-C... PµPeCİC,CḡP°PİC-CḡP°PjC-PrP°P»CHPSPëC... CḡCıC...PsPIPëC... PİPsCḡCıC€PµPSCḡ PSPµ PjPsP¶PSP° PICİC,P°PSPsPIPëC,Pë, C%µPs PsP»P°PSP·P°PİC-PS PjPµPSC€Pµ CİPİCḡPëCİPëPSCİC” PİC-P·PSCḡ PrPëCİPeC-PSPµP·C-Cḡ C,P°/P°P±Ps C-PSC€C- PİC-P·PSC- PµPeCİC,CḡP°PİC-CḡP°PjC-PrP°P»CHPSC- CİPëPSPrCḡPsPjPë.

⁷ Pj PİPëPİP°PrPeCı CḡP°PİC,PsPIPsPiPs PİCḡPëPİPëPSPµPSPSCİ C,PµCḡP°PİC-C— PsP»P°PSP·P°PİC-PSPsPj PİPsPIC-PrPsPjP»CİP»PsCİCİ PİCḡPs PİPsCİC,CḡC- CİPëPjPİC,PsPjPë: PİC-PrPIPëC%µPµPSPµ PİPsC,PsPIPëPrC-P»PµPSPSCİ, P±PµP·CİPsPSPSCİ, C,CḡPµPjPsCḡ, PIC-PrCıCıC,C,Cİ CİC,CḡP°C...Cı, PSCıPrPsC,Cı C- P±P»CḡPIP°PSPSCİ.

⁸ Pj PİCḡPsCİPµCİC- PeP»C-PSC-CİPSPëC... PrPsCİP»C-PrP¶PµPSCḡ (PrPs 12 C,PëP¶PSC-PI) PİPëP·PSP°CİPµPSPs, C%µPs PePsPSCİPµPSC,CḡP°CİC-Cİ PİCḡPsP»P°PeC,PëPSCı Cı PİP»P°P·PjC- PeCḡPsPIC- PİPµCḡPµPİPëC%µCıPİP°P»P° PİPµCḡC...PSC-PNe P»C-PjC-C, PSPsCḡPjPë Cı 30 % PİP°CİC-C”PSC,C-PI, CİPeC- P·P°CİC,PsCİPsPICıPİP°P»Pë PsP»P°PSP·P°PİC-PS, C,P° PI CİPePëC... PePsPSCİPµPSC,CḡP°CİC-Cİ PİCḡPsP»P°PeC,PëPSCı PSP° PİPsCİP°C,PeCı PrPsCİP»C-PrP¶PµPSPSCİ PIC-PrPİPsPIC-PrP°P»P° PSPsCḡPjC-. Pj P±C-P»CHC€PsCİC,C- PİP°CİC-C”PSC,C-PI C,P°PePµ PİC-PrPIPëC%µPµPSPSCİ P±CıP»Ps PİPsPjC-CḡPSPëPj C- P·P°P»PëC€P°P»PsCİCİ PI PjPµP¶P°C... P·PSP°CİPµPSCḡ, Cı PrPIP° CḡP°P·Pë PSPëP¶CİPëC... PIC-Pr PİPµCḡC...PSCḡPsPiPs CḡC-PIPSCİ PSPsCḡPjPë.

⁹ PµPsP±C-CİPSC- CḡPµP°PeCİC-C— PİPëP·PSP°CİPµPSPs PI CḡPµP·CıP»CHC,P°C,C- PeP»C-PSC-CİPSPëC... PrPsCİP»C-PrP¶PµPSCḡ PI C-PSC,PµPİCḡPsPIP°PSC-PNe P±P°P·C- PrP°PSPëC... PsP»P°PSP·P°PİC-PSCı.

¹⁰ PhCİC-PSPeP° PİPëPjC-CḡCİPSPëC... P·PSP°CİPµPSCḡ PİPëP·PSP°CİPµPSP° PI CḡPµP·CıP»CHC,P°C,C- PeP»C-PSC-CİPSPëC... PrPsCİP»C-PrP¶PµPSCḡ PI C-PSC,PµPİCḡPsPIP°PSC-PNe P±P°P·C- PrP°PSPëC... PsP»P°PSP·P°PİC-PSCı.

¹¹ P_μPsP±C-C±PSC- C₇P_μP°PeC†C-C— PIPëP·PSP°C±P_μPSPs P·C- C†P_iPsPSC,P°PSPSPëC...
P_iPsC†C,PjP°C₇PeP_μC,PëPSPiPsPIPëC... P·PIC-C,C-PI P· P_iP_μC₇C-PsPrPëC±PSC-C†C,C₇, C%₀Ps
PIC†C,P°PSPsPIP»P_μPSP° PSP° PsC†PSPsPIC- C-PSC,P_μPiC₇PsPIP°PSPsC— P±P°P·Pë
PrP°PSPëC... PsP»P°PSP·P°P_iC-PSC†.

¹² P_μPsP±C-C±PSC- C₇P_μP°PeC†C-C— PIPëP·PSP°C±P_μPSPs P·C- C†P_iPsPSC,P°PSPSPëC...
P_iPsC†C,PjP°C₇PeP_μC,PëPSPiPsPIPëC... P·PIC-C,C-PI P· P_iP_μC₇C-PsPrPëC±PSC-C†C,C₇, C%₀Ps
PsC†C-PSP_μPSP° P· PIPëPePsC₇PëC†C,P°PSPSC†Pj PrPsPIC-C₇C±PsPiPs C-PSC,P_μC₇PIP°P»C† PI
PIP_μC₇C...PSC₇PsPjC† P»C-PjC-C,C- PSPsC₇PjPë (95 %) PSP° PsC†PSPsPIC-
C-PSC,P_μPiC₇PsPIP°PSPsC— P±P°P·Pë PrP°PSPëC... PsP»P°PSP·P°P_iC-PSC†.

P'P_iP»PëPI P_iC₇Pë PrPsPIPiPsC,C₇PëPIP°P»PsPjC± P·P°C†C,PsC†C±PIP°PSPSC- (PSP_μ
PjP_μPSC€P_μ 48 C,PëP¶PSC-PI). P'·C-PrC†PsC,PsPe P_iP°C†C-C"·PSC,C-PI, C† C†PePëC...
PIC-PrP·PSP°C±P°P»PëC†C† P_iPsP±C-C±PSC- C₇P_μP°PeC†C-C— C† PIPëPiP»C†PrC-
PeP»C-PSC-C±PSPs C†C†C,C,C"·PIP_iPs P_iC-PrPIPëC%₀P_μPSPSC† PjP°C†Pë C,C-P»P°,
P·PjC-PSPë C₇C-PIPSC† P_iP»C₇PePsP·Pë, P·P°P_iP°P»C₇PsP_iPs
C...PsP»P_μC†C,P_μC₇PëPSC†/P·P_μP_kP@/P·P_μP'P@ P°P±Ps C,C₇PëPiP»C-C†P_μC₇PëPrC-PI,
P_iPsC†C,C-PM₀PSPs P·P±C-P»C₇C€C†PIP°PIC†C†. PJ PrPsC₇PsC†P»PëC... P_iP°C†C-C"·PSC,C-PI,
C†PeC- P·P°PeC-PSC±PëP»Pë 9-12-PjC-C†C†C±PSPëPM₀ PeC†C₇C† C,P_μC₇P°P_iC-C—, C,P_μPjP_i
P_iC-PrPIPëC%₀P_μPSPSC† C₇C-PIPSC† P_iP»C₇PePsP·Pë PI PeC₇PsPIC- PSP°C,C%₀P_μ
C†P_iPsPIC-P»C₇PsPëPIC†C† P_iC₇PëP±P»PëP·PSPs P_iC-C†P»C† 6 PjC-C†C†C†C-PI
P»C-PeC†PIP°PSPSC†.

P_μPsP±C-C±PSC- PrC-C— PrP»C† PsPeC₇P_μPjPëC... PiC₇C±P_iP°C... P_iP°C†C-C"·PSC,C-PI.
PJ P_iC₇PsC†P_μC†C- PeP»C-PSC-C±PSPëC... PrPsC†P»C-PrP¶P_μPSCH C†
P_iP°C†C-C"·PSC,C-PI P»C-C,PSCH₇PsPiPs PIC-PeC† P· PrP_μPjP_μPSC†C-C"·C₇
C,P_μC₇P°P_iC-C† PsP»P°PSP·P°P_iC-PSPsPj P±C†P»P° P_iPsPi₇™ C†P·P°PSP° P·
P_iC-PrPIPëC%₀P_μPSPëPj C₇C-PIPSP_μPj P»P_μC,P°P»C₇PsPëC... PIPëP_iP°PrPeC-PI C,P°
C†P_μC₇P_μP±C₇PsPIP°C†PeC†P»C†C₇PsPëPjPë P_iPsP±C-C±PSPëPjPë
C₇P_μP°PeC†C-C†PjPë P_iPsC₇C-PIPSC†PSPs P· C,P°PePëPjPë C† PiC₇C†P_iC-
P_iP»P°C†P_μP±Ps (PrPëPI. C₇PsP·PrC-P» B«PhC†PsP±P»PëPIPsC†C,C-
P·P°C†C,PsC†C†PIP°PSPSC†B»). P"·C†P¶P_μ P_iPsC€PëC₇P_μPSPëPjPë
PSP_μP±P°P¶P°PSPëPjPë P_μC,,P_μPeC,P°PjPë, P_iPsPi₇™ C†P·P°PSPëPj C-P·
P·P°C†C,PsC†C†PIP°PSPSC†Pj PsP»P°PSP·P°P_iC-PSC†, C† PrP°PSPsC— PiC₇C†P_iPë
P_iP°C†C-C"·PSC,C-PI P±C†P»Pë P_iPsC₇C†C€P_μPSPSC† C...PsPrPë C,P° P_iP°PrC-PSPSC†.
P§P°C†C,Ps C†P_iPsC†C,P_μC₇C-PiP°P»P°C†C† P_iPSP_μPIPjPsPSC-C†,
P_iC-PrPIPëC%₀P_μPSPSC† C,P_μPjP_iP_μC₇P°C,C†C₇Pë C,C-P»P°, P»P_μC,P°C₇PiC-C†,
P_μC₇PëC,P_μPjP°, P·PsC₇PsPIC- P_iP°P»C₇C†PëPSP°C†C-C— C,P°
PSP_μC,C₇PëPjP°PSPSC† C†P_μC±C-.

PJ P_iC₇PsC†P_μC†C- PeP»C-PSC-C±PSPëC... PrPsC†P»C-PrP¶P_μPSCH C†P_μC₇P_μPr
P_iP°C†C-C"·PSC,C-PI P· PjP_μPrPëPeP°PjP_μPSC,PsP·PSPs C-PSP†C†PePsPIP°PSPëPj
(P°PiPsPSC-C†C, PrPsP_iP°PjC-PSC†) P_iC†PëC...PsP·PsPj, P_iPsPi₇™ C†P·P°PSPëPj C-P·
C...PIPsC₇PsP±PsC₇ P_μP°C₇PeC-PSC†PsPSP°, P_iPsPiC-C₇C€P_μPSPSC†
P_iP°C₇PeC-PSC†PsPSC-PIC†C₇PePsC— C†PëPjP_iC,PsPjP°C,PëPePë C,P°
P_iP°P»C₇C†PëPSP°C†C-C— PIC-PrP·PSP°C±P°P»PsC†C† PrC†P¶P_μ C±P°C†C,Ps, C±P°C†C,C-C€P_μ,
PSC-P¶ C† PiC₇C†P_iC- P_iP»P°C†P_μP±Ps.

PJ P_iC₇PsC†P_μC†C- PsPrPSPsPiPs PeP»C-PSC-C±PSPsPiPs PrPsC†P»C-PrP¶P_μPSPSC† C†
P_iP°C†C-C"·PSC,C-PI C-P· P±C-P_iPsP»C†C₇PsP₇ PjP°PSC-C"·C₇ PI C₇P_μP·C†P»C₇C,P°C,C-

$P \cdot P^{\circ} C \dot{I} C, P s C \dot{I} C r P I P^{\circ} P S P S C \dot{I} P s P \gg P^{\circ} P S P \cdot P^{\circ} P \dot{I} C - P S C \dot{I} C r C r P e P s P j P \pm C - P S P^{\circ} C \dot{I} C - C - P \cdot$
 $P I P^{\circ} P \gg C H b P \dot{I} C \dot{I} P s P^{\circ} C, P s P j C \dot{I} P \dot{I} P s C \dot{I} C, P \mu C \dot{I} C - P i P^{\circ} P \gg P^{\circ} C \dot{I} C \dot{I} P S P \mu P N e C, C \dot{I} P s P i P \mu P S C - C \dot{I} 4,1 \ %;$
 $P j P s P \dot{I} P \gg P \dot{I} P s C \dot{I} P \dot{I} C \dot{I} P e C \dot{I} P e P S P s C \dot{I} P j P s P \dot{I} P \mu P \pm C r C, P \ddot{e} P \dot{I} C - P r P I P \ddot{e} C \% P \mu P S P S C \dot{I} C$
 $C \dot{I} C - P I P S C \dot{I} C P I P^{\circ} P \gg C H b P \dot{I} C \dot{I} P s P^{\circ} C, C r C r P \dot{I} P \gg P^{\circ} P \cdot P j C - P e C \dot{I} P s P I C -.$

$P j C \dot{I} P \mu P \cdot C r P \gg C H b C, P^{\circ} C, C - P \cdot P^{\circ} C \dot{I} C, P s C \dot{I} C r P I P^{\circ} P S P S C \dot{I} C P s P \gg P^{\circ} P S P \cdot P^{\circ} P \dot{I} C - P S C \dot{I} C r P \cdot P \gg C - C, C - C^{\prime \prime} P j$
 $P^{\circ} P \pm P s P I P^{\circ} P \gg C H b P \dot{I} C \dot{I} P s P^{\circ} C, P s P j C \dot{I} P \dot{I} P s C \dot{I} C, P \mu C \dot{I} C - P i P^{\circ} P \gg P \ddot{e} C \dot{I} C \dot{I} (\geq 10 \ %) C, C \dot{I} P \mu P j P s C \dot{I},$
 $C \dot{I} C r C \dots C - C \dot{I} C, C H b C r C \dot{I} P s C, C -, P \cdot P \pm C - P \gg C H b C \dot{I} P \mu P S P S C \dot{I} C P j P^{\circ} C \dot{I} P \ddot{e} C, C - P \gg P^{\circ},$
 $P \dot{I} C - P r P I P \ddot{e} C \% P \mu P S P S C \dot{I} C P^{\circ} P \dot{I} P \mu C, P \ddot{e} C, C r. P \ddot{y} P^{\circ} P e P s P \dot{I} P \dot{I} P s P I C - P r P s P j P \gg C \dot{I} P \gg P s C \dot{I} C \dot{I} P \dot{I} C \dot{I} P s$
 $P \dot{I} P s C \dot{I} C r C \dot{I} P \mu P S P S C \dot{I} C P j P s P I P^{\circ} P \gg P \mu P S P S C \dot{I} C. P \mu C - P r C \dot{I} P^{\circ} C \dot{I} C, P \mu C \dot{I} P^{\circ} P \dot{I} C - C -$
 $P s P \gg P^{\circ} P S P \cdot P^{\circ} P \dot{I} C - P S P s P j C r P e P s P j P \pm C - P S P^{\circ} C \dot{I} C - C - P \cdot P \gg C - C, C - C^{\prime \prime} P j P^{\circ} P \pm P s$
 $P r P \ddot{e} P I P^{\circ} P \gg P \dot{I} C \dot{I} P s P \mu P e C \dot{I} P s P j C \dot{I} P \dot{I} P s C \dot{I} C, P \mu C \dot{I} C - P i P^{\circ} P \gg P s C \dot{I} C \dot{I} C P \cdot P \pm C - P \gg C H b C \dot{I} P \mu P S P S C \dot{I} C$
 $P j P^{\circ} C \dot{I} P \ddot{e} C, C - P \gg P^{\circ} \geq 7 \ % P I C - P r P \dot{I} P \ddot{y} C r 17,4 \ % P \dot{I} P^{\circ} C \dot{I} C - C^{\prime \prime} P S C, C - P I P \dot{I} C - P r C \dot{I} P^{\circ} C \dot{I}$
 $C - P S C, P \mu P S C \dot{I} P \ddot{e} P I P S P s C - C, P \mu C \dot{I} P^{\circ} P \dot{I} C - C - (P r P s 6 C, P \ddot{e} P \dot{I} P S C - P I). P^{\prime \prime} P s P I P i P s C, C \dot{I} P \ddot{e} P I P^{\circ} P \gg P \mu$
 $P \gg C - P e C r P I P^{\circ} P S P S C \dot{I} C P s P \gg P^{\circ} P S P \cdot P^{\circ} P \dot{I} C - P S P s P j (P r P s 12 C, P \ddot{e} P \dot{I} P S C - P I) P r P \gg C \dot{I} C$
 $P \dot{I} P s P i P \mu C \dot{I} P \mu P r P \dot{I} P \mu P S P S C \dot{I} C C \dot{I} P \mu C \dot{I} P \ddot{e} P r P \ddot{e} P I C - P I C r P \dot{I} P^{\circ} C \dot{I} C - C^{\prime \prime} P S C, C - P I C - P \cdot$
 $P \pm C - P \dot{I} P s P \gg C \dot{I} C \dot{I} P S P \ddot{e} P j P \ddot{e} C \dot{I} P s P \cdot P \gg P^{\circ} P r P^{\circ} P j P \ddot{e} P \pm C r P \gg P s P \dot{I} P s P I b \dot{I} C \dot{I} P \cdot P^{\circ} P S P s P \cdot$
 $P \dot{I} C - P r P I P \ddot{e} C \% P \mu P S P S C \dot{I} C P j P j P^{\circ} C \dot{I} P \ddot{e} C, C - P \gg P^{\circ}$
 $\geq 7 \ % P I C - P r P \dot{I} P \ddot{y} C r 39,9 \ % P \dot{I} P^{\circ} C \dot{I} C - C^{\prime \prime} P S C, C - P I.$

$P^{\prime \prime} C - C, P \ddot{e}$

$P h P \gg P^{\circ} P S P \cdot P^{\circ} P \dot{I} C - P S P S P \mu P \dot{I} P s P e P^{\circ} P \cdot P^{\circ} P S P \ddot{e} P N e P r P \gg C \dot{I} C P \gg C - P e C r P I P^{\circ} P S P S C \dot{I} C P r C - C, P \mu P N e C, P^{\circ}$
 $P \dot{I} C - P r P \gg C - C, P e C - P I P I C - P e P s P j P r P s 18 C \dot{I} P s P e C - P I. P \ddot{y} P \gg C - P S C - C \dot{I} P S P \ddot{e} C \dots$
 $P r P s C \dot{I} P \gg C - P r P \dot{I} P \mu P S C H b, C \dot{I} P e C - P \dot{I} P s C \dot{I} C - P I P S C \dot{I} P I P^{\circ} P \gg P \ddot{e} P \pm P \cdot P^{\circ} C \dot{I} C, P s C \dot{I} C r P I P^{\circ} P S P S C \dot{I} C$
 $P s P \gg P^{\circ} P S P \cdot P^{\circ} P \dot{I} C - P S C \dot{I} C r C r P \dot{I} C - P r P \gg C - C, P e C - P I C, P^{\circ} P r P s C \dot{I} P s C \dot{I} P \gg P \ddot{e} C \dots, P S P \mu$
 $P \dot{I} C \dot{I} P s P I P s P r P \ddot{e} P \gg P \ddot{e}. P h P r P S P^{\circ} P e P r P^{\circ} P S C - P \cdot P r P s C \dot{I} P \gg C - P r P \dot{I} P \mu P S C H b P \cdot P^{\circ} C r C \dot{I} P^{\circ} C \dot{I} C, C -$
 $P \dot{I} C - P r P \gg C - C, P e C - P I P \dot{I} P s C \dot{I} C - P I P S C \dot{I} P I P^{\circ} P \gg P \ddot{e} C \dot{I} C \dot{I} C P \cdot C \dot{I} P \mu P \cdot C r P \gg C H b C, P^{\circ} C, P^{\circ} P j P \ddot{e}$
 $P r P s C \dot{I} P \gg C - P r P \dot{I} P \mu P S C H b P \cdot P^{\circ} C r C \dot{I} P^{\circ} C \dot{I} C, C - P r P s C \dot{I} P s C \dot{I} P \gg P \ddot{e} C \dots$

$P \acute{K} P \ddot{e} P \dot{I} C \dot{I} P \mu P \dot{I} P s P r P^{\circ} P S P s P \dot{I} P s P \pm C - C \dot{I} P S C - C \dot{I} P \mu P^{\circ} P e C \dot{I} C - C -, C \% P s P I P \ddot{e} P S P \ddot{e} P e P^{\circ} P \gg P \ddot{e}$
 $C \dot{I} P^{\circ} C \dot{I} C, C - C \dot{I} P \mu C r P \dot{I} C - P r P \gg C - C, P e C - P I (P I C - P e P s P j P I C - P r 13 \text{ б\ddot{I}} " 17 C \dot{I} P s P e C - P I), P S C - P \dot{I} C r$
 $P r P s C \dot{I} P s C \dot{I} P \gg P \ddot{e} C \dots, P^{\circ} P \pm P s P \dot{I} P s P \pm C - C \dot{I} P S C - C \dot{I} P \mu P^{\circ} P e C \dot{I} C - C -, C \% P s P \pm C r P \gg P \ddot{e}$
 $P I P \ddot{e} C \dot{I} P I P \gg P \mu P S C - C, C - P \gg C H b P e P \ddot{e} P \dot{I} C - P r C \dot{I} P^{\circ} C \dot{I} P e P s C \dot{I} P s C, P e P s C, C \dot{I} P \ddot{e} P I P^{\circ} P \gg P \ddot{e} C \dots$
 $P e P \gg C - P S C - C \dot{I} P S P \ddot{e} C \dots P r P s C \dot{I} P \gg C - P r P \dot{I} P \mu P S C H b C r P \dot{I} C - P r P \gg C - C, P e C - P I. P \ddot{y} P \gg C - P S C - C \dot{I} P S P s$
 $P \cdot P S P^{\circ} C \dot{I} C r C \% P \mu P \cdot P \cdot P \pm C - P \gg C H b C \dot{I} P \mu P S P S C \dot{I} C P j P^{\circ} C \dot{I} P \ddot{e} C, C - P \gg P^{\circ} (\geq 7 \ %) C \dot{I} P^{\circ} C \dot{I} C, C - C \dot{I} P \mu$
 $C \dot{I} P \dot{I} P s C \dot{I} C, P \mu C \dot{I} C - P i P^{\circ} P \gg P s C \dot{I} C \dot{I} C r C r P \dot{I} C - P r P \gg C - C, P e C - P I P \dot{I} P s C \dot{I} C - P I P S C \dot{I} P S P s P \cdot$
 $P r P s C \dot{I} P s C \dot{I} P \gg P \ddot{e} P j P \ddot{e}. P \mu C - P r C \dot{I} P^{\circ} C \dot{I} P r P s P I P i P s C, C \dot{I} P \ddot{e} P I P^{\circ} P \gg P s P i P s P \gg C - P e C r P I P^{\circ} P S P S C \dot{I} C$
 $(P S P \mu P j P \mu P S C \dot{I} P \mu 24 C, P \ddot{e} P \dot{I} P S C - P I) P e P \gg C - P S C - C \dot{I} P S P s P \cdot P S P^{\circ} C \dot{I} C r C \% P \mu$
 $P \cdot P \pm C - P \gg C H b C \dot{I} P \mu P S P S C \dot{I} C P j P^{\circ} C \dot{I} P \ddot{e} C, C - P \gg P^{\circ} P \pm C r P \gg P s P I P \ddot{e} C \% P \ddot{e} P j, P S C - P \dot{I} C - P r C \dot{I} P^{\circ} C \dot{I}$
 $P e P s C \dot{I} P s C, P e P s C, C \dot{I} P \ddot{e} P I P^{\circ} P \gg P s P i P s P \gg C - P e C r P I P^{\circ} P S P S C \dot{I} C.$

$P j P j P \mu P \dot{I} P^{\circ} C \dots P e P s P \dot{I} P S P s C - P \dot{I} C \dot{I} C r P \dot{I} P \ddot{e} C \dot{I} P^{\circ} C \dot{I} C, P s C, P \dot{I} P s P \pm C - C \dot{I} P S C - C \dot{I} P \mu P^{\circ} P e C \dot{I} C - C -$
 $P \dot{I} C \dot{I} P \mu P r C \dot{I} C, P^{\circ} P I P \gg P \mu P S C - P I P \dot{I} P s C \dot{I} C \dot{I} P r P e C r P \cdot P j P \mu P S C \dot{I} P \mu P S P S C \dot{I} C$
 $C \dot{I} P \mu C \dot{I} P N e P s P \cdot P S P s C \dot{I} C, C -. P \ddot{y} P^{\circ} C \dot{I} C, P s C, C r P \dot{I} P s P \pm C - C \dot{I} P S P \ddot{e} C \dots C \dot{I} P \mu P^{\circ} P e C \dot{I} C - P N e,$
 $P \cdot P^{\circ} P \cdot P S P^{\circ} C \dot{I} P \mu P S P \ddot{e} C \dots P S P \ddot{e} P \dot{I} C \dot{I} P \mu, P I P \ddot{e} P \cdot P S P^{\circ} C \dot{I} P^{\circ} C \dot{I} C, C H b C, P^{\circ} P e P \ddot{e} P j C \dot{I} P \ddot{e} P S P s P j: P r C r P \dot{I} P \mu$
 $C \dot{I} P^{\circ} C \dot{I} C, P s (\geq 1/10), C \dot{I} P^{\circ} C \dot{I} C, P s (\geq 1/100 \text{ б\ddot{I}} < 1/10).$

$P - P \pm P s P e C r P s P \pm P j C - P S C \dot{I} C \dot{I} P \mu C \dot{I} P s P I P \ddot{e} P s C, P^{\circ} C \dot{I} P s P \cdot P \gg P^{\circ} P r P \ddot{e} C, C \dot{I} P^{\circ} P I P \gg P \mu P S P S C \dot{I} C$

$P^{\prime \prime} C r P \dot{I} P \mu C \dot{I} P^{\circ} C \dot{I} C, P s: P \cdot P \pm C - P \gg C H b C \dot{I} P \mu P S P S C \dot{I} C P j P^{\circ} C \dot{I} P \ddot{e} C, C - P \gg P^{\circ 13}, P \dot{I} C - P r P I P \ddot{e} C \% P \mu P S P S C \dot{I} C$
 $C \dot{I} C - P I P S C \dot{I} C C, C \dot{I} P \ddot{e} P i P \gg C - C \dot{I} P \mu C \dot{I} P \ddot{e} P r C - P I^{14}, P \dot{I} C - P r P I P \ddot{e} C \% P \mu P S P S C \dot{I} C P^{\circ} P \dot{I} P \mu C, P \ddot{e} C, C r.$

ПШ°СГГ,Ps: ПiC-PrPIPëC%PμPSPSCЦ ЧГC-PIPSCЦ C...PsP»PμCГГ, PμЧГПëPSCГ¹⁵.

P— P±PsPeCГ PSPμЧГPIPsPIPsC— ГГПëCГГ, PμPjPë

П"СГП¶Pμ C±P°CГГ,Ps: ГГPμPrP°CГC-ЦЦ (CГ C,PsPjCГ C±PëCГГ»C- PiC-PiPμЧГCГPsPjPSC-ЦЦ, PjP»ЦЦPIC-ГГC,ЧБ, ГГPsPSP»PëPIC-ГГC,ЧБ).

P— P±PsPeCГ C€P»CГPSPePsPIPs-PePëC€PePsPIPsPiPs C,ЧГP°PeC,ГГ

ПШ°СГГ,Ps: CГCГC...C-ГГC,ЧБ CГ ЧГPsC,C-.

P— P±PsPeCГ PiPμPiP°C,PsP±C-P»C-P°ЧГPSPSC— ГГПëCГГ, PμPjPë

П"СГП¶Pμ C±P°CГГ,Ps: ПiC-PrPIPëC%PμPSPSCЦ ЧГC-PIPSCЦ PiPμC±C-PSPePsPIPëC... C,ЧГP°PSCГГ°PjC-PSP°P· (PђP»PђPђ C,P° PђCГPђPђ; PrPëPI. ЧГPsP·PrC-P» B«PhCГPsP±P»PëPIPsCГГ,C- P·P°CГГ,PsCГCГPIP°PSPSCЦB»).

P"PsCГГ»C-PrP¶PμPSPSCЦ

П"СГП¶Pμ C±P°CГГ,Ps: P·PSPëP¶PμPSPSCЦ ЧГC-PIPSCЦ P·P°PiP°P»ЧБPSPsPiPs P±C-P»C-ЧГCГP±C-PSCГ, ПiC-PrPIPëC%PμPSPSCЦ ЧГC-PIPSCЦ PiP°PjPjP°PiP»CГC,P°PjC-P»C,ЧГP°PSCГГ,,PμЧГP°P·Pë, ПiC-PrPIPëC%PμPSPSCЦ ЧГC-PIPSCЦ PiCГPsP»P°PeC,PëPSCГ CГ PiP»P°P·PjC- PeЧГPsPIC-¹⁶.

¹³ PμC-ГГГ»ЦЦ PePsЧГPsC,PePsC±P°CГPSPsPiPs P»C-PeCГPIP°PSPSCЦ (CГPμЧГPμPrPSCЦ C,ЧГPëPIP°P»C-ГГC,ЧБ CГC,P°PSPsPIPëP»P° 22 PrPSC-) P·P±C-P»ЧБC€PμPSPSCЦ PjP°CГПë C,C-P»P° PSP° ≥ 7 % CГPiPsCГГ,PμЧГC-PiP°P»PsCГГЦ PrCГP¶Pμ C±P°CГГ,Ps (40,6 % PIPëPiP°PrPeC-PI), PSP° ≥ 15 % CГPiPsCГГ,PμЧГC-PiP°P»PsCГГЦ C±P°CГГ,Ps (7,1 % PIPëPiP°PrPeC-PI) C,P° PSP° ≥ 25 % CГPiPsCГГ,PμЧГC-PiP°P»PsCГГЦ CГ 2,5 % PIPëPiP°PrPeC-PI. PμC-Pr C±P°CГ PrPsPIPiPsC,ЧГPëPIP°P»PsPiPs P»C-PeCГPIP°PSPSCЦ (PSPμ PjPμPSC€Pμ 24 C,PëP¶PSC-PI) CГ 89,4 % PiP°CГC-C"PSC,C-PI CГPiPsCГГ,PμЧГC-PiP°P»PsCГГЦ P·P±C-P»ЧБC€PμPSPSCЦ PjP°CГПë C,C-P»P° PSP° ≥ 7 %, CГ 55,3 % БГ" PSP° ≥ 15 % C,P° CГ 29,1 % БГ" PSP° ≥ 25 %.

¹⁴ PђPiPsCГГ,PμЧГC-PiP°P»PsCГГЦ CГ PiP°CГC-C"PSC,C-PI P·PSPsЧГPjP°P»ЧБPSPëPj PiPsC±P°C,PePsPIPëPj ЧГC-PIPSPμPj PSP°C,C%Pμ (< 1,016 PjPjPsP»ЧБ/P»), ЦЦPePëP№ PiC-PrPIPëC%CГPIP°PICГГЦ PrPs PIPëCГPsPePsPiPs (≥ 1,467 PjPjPsP»ЧБ/P»), C,P° ЧГC-P·PePμ PiC-PrPIPëC%PμPSPSCЦ ЧГC-PIPSCЦ C,ЧГPëPiP»C-CГPμЧГPëPrC-PI PSP°C,C%Pμ P·PiPsC±P°C,PePsPIPsPiPs ЧГC-PIPSCЦ (≥ 1,016 БГ" < 1,467 PjPjPsP»ЧБ/P») PrPs PIPëCГPsPePsPiPs ЧГC-PIPSCЦ (≥ 1,467 PjPjPsP»ЧБ/P»).

¹⁵ ПШ°СГГ,Ps CГPiPsCГГ,PμЧГC-PiP°P»PëCГГЦ P·PjC-PSPë P·P°PiP°P»ЧБPSPsPiPs ЧГC-PIPSCЦ C...PsP»PμCГГ,PμЧГПëPSCГ PSP°C,C%Pμ PIC-Pr PiPsC±P°C,PePsPIPsPiPs PSPsЧГPjP°P»ЧБPSPsPiPs ЧГC-PIPSCЦ (< 4,39 PjPjPsP»ЧБ/P») PrPs PIPëCГPsPePsPiPs (≥ 5,17 PjPjPsP»ЧБ/P»). П"СГП¶Pμ C±P°CГГ,Ps PiPsPIC-PrPsPjP»ЦЦP»Pë PiCГPs ЧГC-P·PePμ PiC-PrPIPëC%PμPSPSCЦ ЧГC-PIPSCЦ P·P°PiP°P»ЧБPSPsPiPs C...PsP»PμCГГ,PμЧГПëPSCГ PSP°C,C%Pμ P·PiPsC±P°C,PePsPIPsPiPs ЧГC-PIPSCЦ (≥ 4,39 БГ" < 5,17 PjPjPsP»ЧБ/P») PrPs PIPëCГPsPePsPiPs ЧГC-PIPSCЦ (≥ 5,17 PjPjPsP»ЧБ/P»).

¹⁶ PJ 47,4 % PiC-PrP»C-C,PeC-PI CГPiPsCГГ,PμЧГC-PiP°P»PsCГГЦ PiC-PrPIPëC%PμPSPSCЦ ЧГC-PIPSCЦ PiCГPsP»P°PeC,PëPSCГ CГ PiP»P°P·PjC- PeЧГPsPIC-.

PμPsPIC-PrPsPjP»PμPSPSCЦ PiCГPs PiPsP±C-C±PSC- ЧГPμP°PeCГC-C— PiC-ГГГ»ЦЦ

1165, Pj. P'CrPrP°PiPuC€C,, PICrP». P'PuPePuPSCHbC,,PuP»PrC-, 118-120, PIPiPsCThC%oPëPSP°.