

## **P†PǵPŸPŸP PJPŁP|P†Pİ**

**P†P»Cİ PjPµP†PëC‡PSPsPiPs P·P°CÍC,PsCÍC†PIP°PSPSCİ  
P»C-PeP°CĤCÍCHPePsPiPs P·P°CÍPsP±C†**

**P•PIPSP»P°PSP·P°**

**(EGOLANZA<sup>B®</sup>)**

### **PŸPeP»P°P†:**

*PrC-CĤC‡P° CĤPµC‡PsPIPëPSP°: 1 C,P°P±P»PµC,PeP°, PIPeCĤPëC,P° PİP»C-PIPePsPIPsCĤ  
PsP±PsP»PsPSPePsCĤ, PjC-CÍC,PëC,CH 5 PjPi P°P±Ps 10 PjPi, P°P±Ps 15 PjPi, P°P±Ps 20 PjPi  
PsP»P°PSP·P°PİC-PSC† (C‰Ps PµPePIC-PIP°P»PµPSC,PSPs 7,03 PjPi P°P±Ps 14,06 PjPi, P°P±Ps  
21,09 PjPi, P°P±Ps 28,12 PjPi PsP»P°PSP·P°PİC-PSC† PrPëPiC-PrCĤPsC...P»PsCĤPëPrC†  
C,CĤPëPiC-PrCĤP°C,C† PIC-PrPİPsPIC-PrPSPs);*

*PrPsPİPsPjC-PİPSC- CĤPµC‡PsPIPëPSPë: C†PµP»CĤP»PsP·P°  
PjC-PeCĤPsPeCĤPëCÍC,P°P»C-C‡PSP°, P»P°PeC,PsP·Pë PjPsPSPsPiC-PrCĤP°C,,  
PiC-PİCĤPsP»PsP·P° (PiC-PrCĤPsPeCÍPëPİCĤPsPİC-P»C†PµP»CĤP»PsP·P°),  
PeCĤPsCÍPİPsPIC-PrPsPS, PjP°PiPSC-CĤ CÍC,PµP°CĤP°C,;*

*CÍPeP»P°P† PsP±PsP»PsPSPePë: Pspadry Y-1-7000 P±C-P»PëPNë (PiC-PİCĤPsPjPµP»PsP·P°,  
C,PëC,P°PSC† PrC-PsPeCÍPëPr (P• 171), PjP°PeCĤPsPiPsP» 400), PiC-PİCĤPsPjPµP»PsP·P°,  
C...C-PSPsP»C-PSPsPIPëPNë PİPsPIC,PëPNë (P• 104).*

**P»C-PeP°CĤCÍCHPeP° C,,PsCĤPjP°.** PŸP°P±P»PµC,PePë, PIPeCĤPëC,C- PİP»C-PIPePsPIPsCĤ  
PsP±PsP»PsPSPePsCĤ.

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

*5 PjPi: PİPsPIC,PsPiPs PePsP»CHPsCĤC†, PİCĤPsPrPsPİPiC†PIP°C,C-, PrPIPsPsPİC†PeP»C-  
C,P°P±P»PµC,PePë, PIPeCĤPëC,C- PİP»C-PIPePsPIPsCĤ PsP±PsP»PsPSPePsCĤ, P±PµP· P°P±Ps  
PjP°PNëPİPµ P±PµP· P·P°PİP°C...C†, P· CĤPëCÍPePsCĤ P· PsPrPSPsPiPs P±PsPeC†, P·  
PiCĤP°PIC-CĤC†PIP°PSPSCİPj CÍC,PëP»C-P·PsPIP°PSPsC— P»C-C,PµCĤPë B«P·B» C,P°  
C†PëC,,CĤPsCĤ B«402B» P· C-PSC€PsPiPs P±PsPeC†;*

*10 PjPi: PİPsPIC,PsPiPs PePsP»CHPsCĤC†, PeCĤC†PiP»C-, PrPIPsPsPİC†PeP»C-  
C,P°P±P»PµC,PePë, PIPeCĤPëC,C- PİP»C-PIPePsPIPsCĤ PsP±PsP»PsPSPePsCĤ, P±PµP· P°P±Ps  
PjP°PNëPİPµ P±PµP· P·P°PİP°C...C†, P· PiCĤP°PIC-CĤC†PIP°PSPSCİPj  
CÍC,PëP»C-P·PsPIP°PSPsC— P»C-C,PµCĤPë B«P·B» C,P° C†PëC,,CĤPsCĤ B«404B» P·  
PsPrPSPsPiPs P±PsPeC†;*

*15 PjPi: PİPsPIC,PsPiPs PePsP»CHPsCĤC†, PeCĤC†PiP»C-, PrPIPsPsPİC†PeP»C-  
C,P°P±P»PµC,PePë, PIPeCĤPëC,C- PİP»C-PIPePsPIPsCĤ PsP±PsP»PsPSPePsCĤ, P±PµP· P°P±Ps  
PjP°PNëPİPµ P±PµP· P·P°PİP°C...C†, P· PiCĤP°PIC-CĤC†PIP°PSPSCİPj  
CÍC,PëP»C-P·PsPIP°PSPsC— P»C-C,PµCĤPë B«P·B» C,P° C†PëC,,CĤPsCĤ 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¶<sub>2Ph/2P¶</sub>, 5-P¶P¶<sub>3</sub>, 5-  
P¶P¶<sub>6</sub>; PrPsPiP°PjC-PSCr D<sub>1</sub>, D<sub>2</sub>, D<sub>3</sub>, D<sub>4</sub>, D<sub>5</sub>; 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 α<sub>1</sub> C,P° PiC-C¶C,P°PjC-PSPsPIPëPj  
C¶PµC†PµPiC,PsC¶PsPj P¶<sub>1</sub>.

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¶<sub>2</sub>,  
PSC-P¶ P· C¶PµC†PµPiC,PsC¶P°PjPë PrPsPiP°PjC-PSCr D<sub>2</sub>, Cr 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€CrC"  
P·P±C¶PrP»PëPIC-C¶C,CHb PjPµP·PsP»C-PjP±C-C†PSPëC... (Ph10)  
PrPsPiP°PjC-PSPµC¶PiC-C†PSPëC... PSPµPNëC¶PsPSC-PI, PIPëC¶PIP»C¶C¶Pë PiC¶Pë  
C†CHbPsPjCr PSPµP·PSP°C†PSPëPNë PIPiP»PëPI PSP° C¶C,C¶C-P°C¶PSC- (Ph9) 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»CHbPjCrC" 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°PSPeCfC-PsP»C-C,PëC‡PSPsPiPs  
C,PμCfC,Cr.

PμCḡPë PsPrPSPsCḡP°P·PsPIPsPjCr PiPμCḡPsCḡP°P»CHbPSPsPjCr PiCḡPëPNëPsPjC- 10 PjPi  
PsP»P°PSP·P°PiC-PSCr Cr PiCḡPsC†PμCfC- PiPsP·PëC,CḡPsPSPSPs-PμPjC-CfC-PNëPSPsC—  
C,PsPjPsPiCḡP°C,,C-C— (PμP·Pÿ) P·P° CrC‡P°CfC,C- P·PrPsCḡPsPIpëC...  
PrPsP±CḡPsPIPsP»CHbC†C-PI P·bḡ™ CμCfCfPsPIp°PSPs, C%Ps PsP»P°PSP·P°PiC-PS PjP°PI  
P±C-P»CHbCëPëPNë CḡC-PIpμPSCḡ P·PIbḡ™ CμP·CrPIp°PSPSCμ P· CḡPμC†PμPiC,PsCḡP°PjPë  
5PḡPÿ<sub>2ph</sub>, PSC-P¶ P· PrPsPiP°PjC-PSPsPIpëPjPë CḡPμC†PμPiC,PsCḡP°PjPë D<sub>2</sub>. PḡCḡC-Pj C,PsPiPs,  
Cr CḡPμP·CrP»CHbC,P°C,C- P°PSP°P»C-P·Cr P·PsP±CḡP°P¶PμPSCḡ, PsC,CḡPëPjP°PSPëC...  
PiC-Pr C‡P°Cf PrPsCfP»C-PrP¶PμPSCḡ PiP°C†C-C°PSC,C-PI, C...PIPsCḡPëC... PSP°  
CëPëP·PsC,,CḡPμPSC-Cḡ, PjPμC,PsPrPsPj PsPrPSPsC,,PsC,PsPSPSPsC— PμPjC-CfC-PNëPSPsC—  
PePsPjPiPḡ™ CḡC,PμCḡPSPsC— C,PsPjPsPiCḡP°C,,C-C— (PhPαP·PḡPÿ),  
P·bḡ™ CμCfCfCrPIp°P»PsCfCμ, C%Ps C‡CrC,P»PëPIC- PrPs PsP»P°PSP·P°PiC-PSCr  
PiP°C†C-C°PSC,Pë PIpëCμPIp»CμP»Pë PjPμPSCëPëPNë CḡC-PIpμPSCḡ  
P·PIbḡ™ CμP·CrPIp°PSPSCμ P·C- CfC,CḡC-P°CḡPSPëPjPë D<sub>2</sub>-CḡPμC†PμPiC,PsCḡP°PjPë, PSC-P¶  
C-PSCëC- P°PSC,PëPiCfPëC...PsC,PëC‡PSC- C,P° CḡPëCfPiPμCḡPëPrPsPSC‡CrC,P»PëPIC-  
PiP°C†C-C°PSC,Pë PiPsCḡC-PIpSCμPSPs P· PeP»PsP·P°PiC-PSC‡CrC,P»PëPIpëPjPë  
PiP°C†C-C°PSC,P°PjPë.

PḡP»C-PSC-C‡PSP° PμC,,PμPeC,PëPIpSC-CfC,Cḡ

PμC-Pr C‡P°Cf PrPIPsC... C-P· PrPIPsC... PiP»P°C†PμP±Ps-PePsPSC,CḡPsP»CHbPsPIp°PSPëC... C-  
PrPIPsC... C-P· C,CḡCHbPsC... PiPsCḡC-PIpSCμP»CHbPSPs-PePsPSC,CḡPsP»CHbPsPIp°PSPëC...  
PrPsCfP»C-PrP¶PμPSCḡ P·P° CrC‡P°CfC,C- PiPsPSP°Pr 2900 C...PIPsCḡPëC... PSP°  
CëPëP·PsC,,CḡPμPSC-Cḡ P· PiPsP·PëC,PëPIpSPëPjPë C- PSPμPiP°C,PëPIpSPëPjPë  
CfPëPjPiC,PsPjP°PjPë PsP»P°PSP·P°PiC-PS PiPsPeP°P·P°PI CfC,P°C,PëCfC,PëC‡PSPs  
PrPsCfC,PsPIC-CḡPSC- PrP°PSC- PiPsP»C-PiCëPμPSPSCμ CμPe PSPμPiP°C,PëPIpSPëC..., C,P°Pe  
C- PiPsP·PëC,PëPIpSPëC... CfPëPjPiC,PsPjC-PI.

Pj PiCḡPsC†PμCfC- PjC-P¶PSP°CḡPsPrPSPëC... PiPsPrPIC-PNëPSPëC... CfP»C-PiPëC...  
PiPsCḡC-PIpSCμP»CHbPSPëC... PrPsCfP»C-PrP¶PμPSCḡ P·P° CrC‡P°CfC,Cḡ 1481  
C...PIPsCḡPëC... PSP° CëPëP·PsC,,CḡPμPSC-Cḡ, CëPëP·PsP°C,,PμPeC,PëPIpSC-CfC,Cḡ C,P° P·  
P°CfPsC†C-PNëPsPIp°PSPëPjPë P· C†PëPjPë C...PIPsCḡPsP±P°PjPë CḡPsP·P»P°PrP°PjPë P·  
CḡC-P·PSPëPj CfC,CrPiPμPSPμPj PiPsCḡCrCëPμPSCḡ, C%Ps PiPsPIbḡ™ CμP·P°PSC- P·  
PrPμPiCḡPμCfPëPIpSPëPjPë CfPëPjPiC,PsPjP°PjPë (16,6 PiCrPSPeC,P° P·P° CëPeP°P»PsCḡ  
PḡPsPSC,PiPsPjPμCḡC--PḡCfP±PμCḡPiP° PrP»Cμ PsC†C-PSPePë PrPμPiCḡPμCfC-C—),  
PiCḡPsCfPiPμPeC,PëPIpSPμ PIC,PsCḡPëPSPSPμ PrPsCfP»C-PrP¶PμPSPSCμ PIC-Pr  
PiPsC‡P°C,PeCr PrPs PeC-PSC†Cμ PsC†C-PSPePë P·PjC-PS PSP°CfC,CḡPsCḡ  
PICfC,P°PSPsPIpëP»Ps CfC,P°C,PëCfC,PëC‡PSPs P·PSP°C‡CrC%Pμ PiPsPeCḡP°C%PμPSPSCμ  
(Cḡ = 0,001) PiC-CfP»Cμ P»C-PeCrPIp°PSPSCμ PsP»P°PSP·P°PiC-PSPsPj (-6,0)  
PiPsCḡC-PIpSCμPSPs P· C,P°PePëPj PiCḡPë P»C-PeCrPIp°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»CμCḡPSPsPjCr CḡPsP·P»P°PrC- PsP»P°PSP·P°PiC-PS  
PiCḡPsPrPμPjPsPSCfC,CḡCrPIp°PI PIpëCfPsPeCr PμC,,PμPeC,PëPIpSC-CfC,Cḡ Cr  
P·PSPëP¶PμPSPSC- PjP°PSC-P°PeP°P»CHbPSPëC... CfPëPjPiC,PsPjC-PI PiCḡPsC,CμPiPsPj 3  
C,PëP¶PSC-PI PiPsCḡC-PIpSCμPSPs P· PiP»P°C†PμP±Ps C,P° PIp°P»CHbPiCḡPsP°C,PsPj  
PSP°C,CḡC-Cḡ (PrPëPIp°P»PiCḡPsPμPeCf). PhP»P°PSP·P°PiC-PS C,P°PePsP¶ PiPsPeP°P·P°PI  
PiPsCḡC-PIpSCμPSPSCr PμC,,PμPeC,PëPIpSC-CfC,Cḡ CḡPμP·CrP»CHbC,P°C,C-PI P·  
PiP°P»PsPiPμCḡPëPrPsP»PsPj Cr PiPμCḡPμCḡP°C...CrPIp°PSPSC- PSP° C‡P°CfC,PeCr

PiP°C†C-C"PS C, 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, PSCHPsPiPs P»C-PeC†PIP°PSPSC† P»C-C, C-C" Pj P°P±Ps PIP°P»CHPiC†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»CHPiC†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»CHPSPëC... PµPiC-P·PsPrC-PI C† PiP°C†C-C"PS C, 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»CHC€PsPjC† 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-PSPePë 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»CHPSPëC... PµPiC-P·PsPrC-PI C† PiP°C†C-C"PS C, C-PI, C†PeC- PrPsC†C†PiP»Pë C†PµPjC-C†C-C— C† C†PµP·C†P»CHC, P°C, C- C†C†PiC†C, PSCHPsPiPs 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-PSPePë 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, PSCHPsPiPs P»C-PeC†PIP°PSPSC† PjP°PSC-P°PeP°P»CHPSPëC... P°P±Ps P·PjC-C€P°PSPëC... PµPiC-P·PsPrC-PI C†C, P°PS PiP°C†C-C"PS C, 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»CHPiC†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»CHPiC†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»CHPiC†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†PjPSPsPiPs (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—, PīPsPIbT<sup>™</sup> CłP·P°PSPsC— P· P±C-PīPsP»CłCfPSP€PjP€ CfPSP·P»P°PrP°PjP€ (3 C,P€P¶PSC-), P· CřC±P°CfC,Cf PjPµPSC€Pµ PSC-P¶ 200 PīC-PrP»C-C,P€C-PI. PµPsC±P°C,P€PsPIP° PrPsP·P° PsP»P°PSP·P°PīC-PSCř CfC,P°PSPsPIP€P»P° 2,5 PjPi C,P° PrPsCfCłPiP°P»P° 20 PjPi/PrPsP±Cř. PµC-Pr C±P°Cf P»C-PeCfPIP°PSPSClI PsP»P°PSP·P°PīC-PSPsPj PjP°CfP° C,C-P»P° Cř PīC-PrP»C-C,P€C-PI P·PSP°C±PSPs P·P±C-P»CHC€P€P»P°CfCł PīPsCfC-PIPSCłPSPs P· PrPsCfPSPsCfP»P€PjP€. PJ PīC-PrP»C-C,P€C-PI CfPīPsCfC,PµCfC-PiP°P»PsCfCł PīC-PrPIP€C%PµPSPSClI CfC-PIPSC-PI P·P°PiP°P»CHPSPsPiPs C...PsP»PµCfC,PµCfP€PSCř, C...PsP»PµCfC,PµCfP€PSCř P»C-PīPsPīCfPSPsC,PµC—PSC-PI PSP€P·CHPePsC— C%C-P»CHPSPsCfC,C-, C,CfP€PiP»C-C†PµCfP€PrC-PI C,P° PīCfPSP»P°PeC,P€PSCř PīPsCfC-PIPSCłPSPs P· PrPsCfPSPsCfP»P€PjP€ (PrP€PI. CfPSP·PrC-P»P€ B«PhCfPsP±P»P€PIPsCfC,C- P·P°CfC,PsCfCřPIP°PSPSCłB» C,P° B«PµPsP±C-C±PSC-CfPµP°PeC†C-C—B»). P°P°PSC- C%PsPrPs PīC-PrC,CfP€PjP°PSPSClI PµC„PµPeC,Cř P»C-PeCfPIP°PSPSClI C,P° PrPsPIPiPsC,CfP€PIP°P»P€C... PrPsCfP»C-PrP¶PµPSCb, PsPrPµCfP¶P°PSC- P· PIC-PrPeCfP€C,P€C... PSPµPePsPSC,CfPSP»CHPsPIP°PSP€C... PeP»C-PSC-C±PSP€C... PrPsCfP»C-PrP¶PµPSCb, PsP±PjPµP¶PµPSC- (PrP€PI. CfPSP·PrC-P»P€ B«PhCfPsP±P»P€PIPsCfC,C- P·P°CfC,PsCfCřPIP°PSPSCłB» C,P° B«PµPsP±C-C±PSC-CfPµP°PeC†C-C—B»).

*PαP°CfPjP°PePsPeC-PSPµC,P€PeP°.*

#### PbP±CfPsCfP±C†C-Cł

PhP»P°PSP·P°PīC-PS PrPsP±CfPµ PICfPjPsPeC,CřC”C,CHCfCł PīC-CfP»Cł PīPµCfPSPsCfP°P»CHPSPsPiPs PīCfP€PµPsPjCř, PjP°PeCfP€PjP°P»CHPSP° PePsPSC†PµPSC,CfP°C†C-Cł PµPsPiPs Cř PīP»P°P·PjC- PeCfPSPIC- PrPsCfCłPiP°C”C,CHCfCł C±PµCfPµP· 5-8 PīPsPrP€PS. P°P¶P€PIP°PSPSClI C—P¶C- PSPµ PīPīP»P€PIP°C” PSP° PICfPjPsPeC,CřPIP°PSPSClI PsP»P°PSP·P°PīC-PSCř. PbP±CfPsP»CHC,PSP° P±C-PsPrPsCfC,CřPīPSC-CfC,CH PīPµCfPSPsCfP°P»CHPSPsC— C„PsCfPjP€ PīCfP€PµPsPjCř PsP»P°PSP·P°PīC-PSCř PīPsCfC-PIPSCłPSPs P· PIPSCřC,CfC-C€PSCbPsPIPµPSPSPsCf PSPµ PICfC,P°PSPsPIP»PµPSP°.

#### P PsP·PīPsPrC-P»

P C-PIPµPSCb P·PIbT<sup>™</sup> CłP·CřPIP°PSPSClI PsP»P°PSP·P°PīC-PSCř P· PīCfPSPsC,PµC—PSP°PjP€ PīP»P°P·PjP€ PeCfPSPIC- CfC,P°PSPsPIP€PI PīCfP€P±P»P€P·PSPs 93 % PrP»Cł PePsPSC†PµPSC,CfP°C†C-C— Cř PjPµP¶P°C... PIC-Pr 7 PrPs 1000 PSPi/PjP». PhP»P°PSP·P°PīC-PS P·PIbT<sup>™</sup> CłP·CřC”C,CHCfCł PīPµCfPµPIP°P¶PSPs P· P°P»CHP±CřPjC-PSPsPj C- a<sub>1</sub>- PeP€CfP»P€Pj PiP»C-PePsPīCfPSPsC,PµC—PSPsPj.

#### P'C-PsC,CfP°PSCfC„PsCfPjP°C†C-Cł

PhP»P°PSP·P°PīC-PS PjPµC,P°P±PsP»C-P·CřC”C,CHCfCł Cř PīPµC±C-PSC†C- C€P»CłC...PsPj PePsPSPbT<sup>™</sup> CfPiP°C†C-C— C,P° PsPeP€CfPSPµPSPSClI. PhCfPSPsPIPSP€Pj C†P€CfPeCřP»CHCfC±P€Pj PjPµC,P°P±PsP»C-C,PsPj C” 10-N-PiP»CHPeCřCfPSPSC-Pr, CłPeP€Pµ PSPµ PīCfPSPsPSP€PeP°C” PeCfC-P·CH PiPµPjP°C,PsPµPSC†PµC„P°P»C-C±PSP€Pµ P±P°CfPbT<sup>™</sup> C”Cf. PīP€C,PsC...CfPSPjP€ P450-CYP1A2 C- P450-CYP2D6 CfPīCfP€CłCfC,CH CřC,PIPsCfPµPSPSCf PjPµC,P°P±PsP»C-C,C-PI N-PrPµP·PjPµC,P€P»Cř C,P° 2-PiC-PrCfPSPsPeCfP€PjPµC,P€P»Cř, CłPeC- PIP€CłPIP»CłCfC,CH P·PSP°C±PSPs PjPµPSC€Cř C„P°CfPjP°PePsP»PsPiC-C±PSCř P°PeC,P€PIPSC-CfC,CH *in vivo*, PSC-P¶ PsP»P°PSP·P°PīC-PS, Cř PīCfPSPsC†PµCfC- PrPsCfP»C-PrP¶PµPSCb 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, PēPIPSPsCī PjC-C, PePsCī P±CíP»Pē PSP°CīPIPSC- Cí CīPμC†C-,  
PiPsP»PsPIPSPēPj 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<sup>™</sup> 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, Cı CİPePëC... PSPµ  
P±CıP»Ps PİPsCḡCıC€PµPSPSCİ C„CıPSPeC†C-C— PİPµC†C-PSPePë (n = 3). PŸPµCḡPµPr  
PİP°C†C-C"ḡPSC,C-PI C-P· C†PëCḡPsP·PsPj P±CıP»Ps P±C-P»CHC€Pµ PeCıCḡC†C-PI (4/6; 67 %),  
PSC-P¶ CıPµCḡPµPr PİP°C†C-C"ḡPSC,C-PI P±PµP· PİPsCḡCıC€PµPSPSCİ C„CıPSPeC†C-C—  
PİPµC†C-PSPePë (0/3; 0 %).

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

P' PsCıC-P±, CİPeC- PSPµ PİP°P»CİC,CH, PİPsCḡC-PIPSCİPSPs P· PsCıPsP±P°PjPë, CİPeC-  
PjP°CḡC,CH P·PIPëC†PeCı PİP°P»PëC,Pë (C†PsP»PsPIC-PePë C- P¶C-PSPePë),  
CıPµCḡPµPrPSC-PNë PİPµCḡC-PsPr PSP°PİC-PIPIPëPIPµPrPµPSPSCİ  
PİPsPrPsPIP¶CıPİP°PICıCİ (38,6 PİCḡPsC,Pë 30,4 PİPsPrPëPSPë), P° PeP»C-CḡPµPSCı Cı  
PİP°P°P·PjC- PeCḡPsPIC- P±CıPI P·PSPëP¶PµPSPëPNë (18,6 PİCḡPsC,Pë 27,7 P»/PİPsPrPëPSCı).

PḡP»C-CḡPµPSCı PsP»P°PSP·P°PİC-PSCı Cı PİP°P°P·PjC- PeCḡPsPIC- PSPëP¶C†PëPNë Cı  
PsCıC-P± P»C-C,PSCḡPsPİPs PIC-PeCı PİPsCḡC-PIPSCİPSPs P· PjPsP»PsPrPëPjPë, Cı  
P¶C-PSPsPe, PİPsCḡC-PIPSCİPSPs P· C†PsP»PsPIC-PeP°PjPë, C,P° PI PsCıC-P±, CİPeC- PSPµ  
PİP°P»CİC,CH, PİPsCḡC-PIPSCİPSPs P· C,PëPjPë, C...C,Ps PjP°C" P·PIPëC†PeCı PİP°P»PëC,Pë.  
PµCḡPsC,Pµ CıC,CıPİC-PSCḡ PİPİP»PëPICı PIC-PeCı, CıC,P°C,C- P°P±Ps PİP°P»C-PSPSCİ  
PSP° PeP»C-CḡPµPSCı PsP»P°PSP·P°PİC-PSCı Cı PİP°P°P·PjC- PeCḡPsPIC- C,P° PİPµCḡC-PsPr  
PSP°PİC-PIPIPëPIPµPrPµPSPSCİ PsP»P°PSP·P°PİC-PSCı PSPµP·PSP°C†PSPëPNë,  
PİPsCḡC-PIPSCİPSPs P·C- P·P°PİP°P»CHPSPsCḡ PjC-PSP»PëPIC-CıC,CH PjC-P¶  
C-PSPPrPëPIC-PrCıCıPjP°PjPë.

PJ PİCḡPsC†PµCıC- PrPsCıP»C-PrP¶PµPSCḡ P·P° CıC†P°CıC,CH PİP°C†C-C"ḡPSC,C-PI-  
C"ḡPICḡPsPİPµPNëC†C-PI, PİP°C†C-C"ḡPSC,C-PI CİPİPsPSCıCHPePsC— C,P°  
PePëC,P°PNëCıCHPePsC— PSP°C†C-PsPSP°P»CHPSPsCıC,PµPNë PIC-PrPjC-PSPSPsCıC,PµPNë Cı  
C„P°CḡPjP°PePsPeC-PSPµC,PëC†C- PsP»P°PSP·P°PİC-PSCı PSPµ PIPëCİPIP»PµPSPs.

P"C-C,Pë

PαP°CḡPjP°PePsPeC-PSPµC,PëPeP° PsP»P°PSP·P°PİC-PSCı Cı PİC-PrP»C-C,PeC-PI C-  
PrPsCḡPsCıP»PëC... PİPsPrC-P±PSP°. PJ PİCḡPsC†PµCıC- PeP»C-PSC-C†PSPëC...  
PrPsCıP»C-PrP¶PµPSCḡ CıPµCḡPµPrPSC-PNë PİPİP»PëPI PsP»P°PSP·P°PİC-PSCı P±CıPI  
PİCḡPëP±P»PëP·PSPs PSP° 27 % PIPëC‰PëPNë Cı PİC-PrP»C-C,PeC-PI.  
P"µPjPsPİCḡP°C„C-C†PSC- PIC-PrPjC-PSPSPsCıC,C- PjC-P¶ PİC-PrP»C-C,PeP°PjPë C-  
PrPsCḡPsCıP»PëPjPë PİPeP»CḡC†P°CḡC,CH PSPëP¶C†Cı CıPµCḡPµPrPSCḡ PjP°CıCı C,C-P»P°  
C,P° PjPµPSC€Cı PeC-P»CHPeC-CıC,CH PeCıCḡC†C-PI CıPµCḡPµPr PİP°C†C-C"ḡPSC,C-PI  
PİC-PrP»C-C,PePsPİPsPİPs PIC-PeCı. PŸP°PeC- C„P°PeC,PsCḡPë, C-PjPsPIC-CḡPSPs,  
PIPİP»PëPIP°CḡC,CH PSP° PIPëC‰PëPNë CıPµCḡPµPrPSC-PNë PµC„PµPeC,  
PsP»P°PSP·P°PİC-PSCı, C‰Ps CıPİPsCıC,PµCḡC-PİP°PICıCİ Cı PİC-PrP»C-C,PeC-PI.

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

***PµPsPeP°P·P°PSPSCİ.***

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

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

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

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

$P - PSP \ddot{P} P \parallel P_\mu PSPSC\bar{H}$   $P \pm C - PsPrPsC_f C$ ,  $C_f P_i PSPsC_f C$ ,  $C -$

$P - P^\circ C_f C$ ,  $PsC_f C_f PIP^\circ PSPSC\bar{H}$   $P^\circ PeC$ ,  $P \ddot{P} PIPsPIP^\circ PSPsPiPs$   $PIC_f PiC - P \gg C\bar{H}$   $P \cdot PSP \ddot{P} P \parallel C_f PIP^\circ P \gg Ps$   
 $P_i P_\mu C\bar{H} PsC\bar{H} P^\circ P \gg CH PSC_f$   $P \pm C - PsPrPsC_f C$ ,  $C_f P_i PSC - C_f C$ ,  $CH$   $PsP \gg P^\circ PSP \cdot P^\circ P_i C - PSC_f$   $PSP^\circ$   
 50-60 %  $C - P_i PsPIP \ddot{P} PSPsP$   $P \cdot P^\circ C_f C$ ,  $PsC_f PsPIC_f PIP^\circ C$ ,  $P \ddot{C} C_f C\bar{H}$   $P_i C\bar{H} PsC$ ,  $C\bar{H} PiPsP_j$  2  $P_i PsPrP \ddot{P} PS$   
 $PrPs$   $P_i C\bar{H} P \ddot{P} P N_\infty PsP_j C_f$   $P^\circ P \pm Ps$  2  $P_i PsPrP \ddot{P} PS$   $P_i C - C_f P \gg C\bar{H}$   $P_i C\bar{H} P \ddot{P} P N_\infty PsP_j C_f$   
 $PsP \gg P^\circ PSP \cdot P^\circ P_i C - PSC_f$ .

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

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

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

$PhP \gg P^\circ PSP \cdot P^\circ P_i C - PS$   $PSP_\mu$   $P_i C\bar{H} P \ddot{P} PiPSC - C \dagger C_f PIP^\circ PI$   $PsC_f PSPsPIPSC - CYP$  450-  
 $C - P \cdot PsC$ ,  $P_\mu C\bar{H} P_j P_\mu PSC$ ,  $P \ddot{P}$  ( $PSP^\circ P_i C\bar{H} P \ddot{P} PeP \gg P^\circ Pr$ , 1P<sub>h</sub>2, 2D6, 2C9, 2C19, 3A4) *in vitro*.  $P\ddot{Y} P^\circ PeP \ddot{P} P_j$   
 $C \dagger P \ddot{P} PSPsP_j$ ,  $PSP_\mu$   $PsC \dagger C - PeC_f C'' C$ ,  $CHC_f C\bar{H}$   $PSC - C\bar{H} PeP \ddot{P} C \dots PsC_f PsP \pm P \gg P \ddot{P} PIP \ddot{P} C \dots$   
 $PIP \cdot P^\circ C'' P_j PsPrC - P N_\infty$ ,  $C\%_o Ps$   $P_i C - PrC$ ,  $PIP_\mu C\bar{H} PrP \parallel P_\mu PSPs$   $PI$   $PrPsC_f P \gg C - PrP \parallel P_\mu PSPSC\bar{H} C \dots$  *in*  
*vivo*,  $PrP_\mu$   $PSP_\mu$   $PIC - PrP \cdot PSP^\circ C \dagger P^\circ P \gg PsC_f CH$   $C - PSPiC - P \pm C_f PIP^\circ PSPSC\bar{H}$   
 $P_j P_\mu C$ ,  $P^\circ P \pm PsP \gg C - P \cdot P_j C_f$   $PsP \gg P^\circ PSP \cdot P^\circ P_i C - PSC_f$   $P_i C\bar{H} P \ddot{P}$   $P \cdot P^\circ C_f C$ ,  $PsC_f C_f PIP^\circ PSPSC - C$ ,  $P^\circ PeP \ddot{P} C \dots$   
 $P^\circ PeC$ ,  $P \ddot{P} PIPSP \ddot{P} C \dots C\bar{H} P_\mu C \dagger PsPIP \ddot{P} PS$ :  $C$ ,  $C\bar{H} P \ddot{P} C \dagger P \ddot{P} PeP \gg C - C \dagger PSP \ddot{P} C \dots$   
 $P^\circ PSC$ ,  $P \ddot{P} PrP_\mu P_i C\bar{H} P_\mu C_f P^\circ PSC$ ,  $C - PI$  ( $C\%_o Ps$   $P_i C\bar{H} P_\mu PrC_f C$ ,  $P^\circ PIP \gg C\bar{H} C\bar{H} C$ ,  $CH$   
 $P_i P_\mu C\bar{H} P_\mu PIP^\circ P \parallel PSPs$   $C \epsilon P \gg C\bar{H} C \dots CYP$  2D6),  $PIP^\circ C\bar{H} C$ ,  $P^\circ C\bar{H} P \ddot{P} PSC_f$  (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).

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

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

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 (PİPİPİ)

P— PsP±PµCḡPµP¶PSC-CÍC,CH 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 PİPİPİ.

PŸCrPİCÍC,PSC” P·P°CÍC,PsCÍCrPIP°PSPSCİ PsP»P°PSP·P°PİC-PSCÍ 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,CH 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,PsCÍCİPIP°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°PSCÍ 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,CH 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-PIPsCİPSPs 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-PSCÍ (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.

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

*PkPμPN<sub>2</sub>CTjPsP»PμPiC,PēC‡PSPēPN<sub>2</sub> P·P»PsCΠPeC-CÍPSPēPN<sub>2</sub> CÍPēPSPPrCTjPsPj (P<sub>k</sub>P—PŸ).*  
*P<sub>k</sub>P—PŸ B<sub>7</sub>“ C†Pμ PiPsC,PμPSC†C-PN<sub>2</sub>PSPs P»PμC,P°P»CH<sub>2</sub>PSPēPN<sub>2</sub>*  
*CÍPēPjPiC,P<sub>s</sub>PjPsPePsPjPiP»PμPeCÍ, PsPiPēCÍP°PSPēPN<sub>2</sub> CÍ P·PIB<sub>7</sub><sup>TM</sup> 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<sub>k</sub>P—PŸ, PiPsPIB<sub>7</sub><sup>TM</sup> CΠP·P°PSC- C-P·*  
*P·P°CÍC,P<sub>s</sub>CÍCÍP°PSPSCΠPj PsP»P°PSP·P°PiC-PSCÍ. P<sub>7</sub>P»C-PSC-C‡PSPēPjPē*  
*PiCTjPsCΠPIP°PjPē P<sub>k</sub>P—PŸ C” PiC-PiPμCTjPiC-CTjPμPeCÍC-CΠ, PjB<sub>7</sub><sup>TM</sup> CΠP·PsPiP°*  
*CTjPēPiC-PrPSC-CÍC,CH<sub>2</sub>, PIC,CTjP°C,P° CÍPIC-PrPsPjPsCÍC,C- C,P° CÍPēPjPiC,P<sub>s</sub>PjPē*  
*CÍPμCTjC†PμPiPsC— PSPμCÍC,P°P±C-P»CH<sub>2</sub>PSPsCÍC,C- (PSPμCTjPμPiCÍP»CΠCTjPSPēPN<sub>2</sub>*  
*PiCÍP»CH<sub>2</sub>CÍ P°P±Ps P°CTjC,PμCTjC-P°P»CH<sub>2</sub>PSPēPN<sub>2</sub> C,PēCÍPe, C,P°C...C-PeP°CTjPrC-CΠ,*  
*PiC-PrPiPēC%<sub>00</sub>PμPSPμ PiPsC,P<sub>s</sub>PiPēPrC-P»PμPSPSCΠ C,P° CÍPμCTjC†PμPiP° P°CTjPēC,PjC-CΠ).*  
*P”PsPrP°C,PePsPIC- PsP·PSP°PePē PjPsP¶CÍC,CH<sub>2</sub> PiPeP»CH<sub>2</sub>C†P°C,Pē PiC-PrPiPēC%<sub>00</sub>PμPSPēPN<sub>2</sub>*  
*CTjC-PIPμPSCCH<sub>2</sub> 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,CH<sub>2</sub>. P<sub>7</sub>P»C-PSC-C‡PSPēPN<sub>2</sub> PiCTjPsCΠPI P<sub>k</sub>P—PŸ P°P±Ps*  
*PSP°CΠPIPSC-CÍC,CH<sub>2</sub> PiC-PiPμCTjC,PμCTjPjC-C— P±PμP· PeP»C-PSC-C‡PSPsPiPs*  
*PiCTjPsCΠPICÍ P<sub>k</sub>P—PŸ PiPsC,CTjPμP±CÍC” PSPμPiP°PN<sub>2</sub>PSPsC— PIC-PrPjC-PSPē PICÍC-C...*  
*P°PSC,PēPiCÍPēC...PsC,PēC‡PSPēC... P·P°CÍPsP±C-PI, PiPeP»CH<sub>2</sub>C†P°CH<sub>2</sub>C†Pē*  
*PsP»P°PSP·P°PiC-PS.*

*P”C-PiPμCTjPiP»C-PePμPjC-CΠ C- C†CéPeCTjPsPiPēPN<sub>2</sub> PrC-P°P±PμC,.. P<sub>k</sub>PμC†P°CÍC,Ps*  
*PiPsPIC-PrPsPjP»CΠP»PsCÍCΠ PiCTjPs PiC-PiPμCTjPiP»C-PePμPjC-CH<sub>2</sub> 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-CÍPSCÍCH<sub>2</sub>C†PsPiPs, P°CÍPsC†C-PN<sub>2</sub>PsPiP°PSPsPiPs P·*  
*PePμC,PsP°C†PēPrPsP·PsPj P°P±Ps PrC-P°P±PμC,PēC‡PSPsCH<sub>2</sub> PePsPjPsCH<sub>2</sub>, P° C,P°PePsP¶ PiCTjPs*  
*P»PμC,P°P»CH<sub>2</sub>PSC- 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%<sub>00</sub>PμPSPSCΠ PjP°CÍPē C,C-P»P°, C%<sub>00</sub>Ps PjPsPiP»Ps*  
*P±CÍC,Pē C,,P°PeC,PsCTjPsPj CTjPēP·PēPeCÍ.*

*P PμPePsPjPμPSPPrPsPiP°PSPs PiCTjPsPiPsPrPēC,Pē PIC-PrPiPsPIC-PrPSPēPN<sub>2</sub>*  
*PeP»C-PSC-C‡PSPēPN<sub>2</sub> 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-CTjCH<sub>2</sub>PIP°C,Pē CTjC-PIPμPSCCH<sub>2</sub> PiP»CH<sub>2</sub>PePsP·Pē CÍ PeCTjPsPIC- PSP° PiPsC†P°C,PeCÍ*  
*P»C-PeCÍPiP°PSPSCΠ, C†PμCTjPμP· 12 C,PēP¶PSC-PI, P° C,P°PePsP¶ C%<sub>00</sub>PsCTjC-C‡PSPs CÍ*  
*PiPsPrP°P»CH<sub>2</sub>C€PsPjCÍ. PμP°C†C-C”PSC,Pē, CΠPeC- PsC,CTjPēPjCÍCH<sub>2</sub>,CH<sub>2</sub>*  
*P»C-PeCÍPiP°PSPSCΠ P°PSC,PēPiCÍPēC...PsC,PēC‡PSPēPjPē P·P°CÍPsP±P°PjPē,*  
*PiPeP»CH<sub>2</sub>C†P°CH<sub>2</sub>C†Pē PsP»P°PSP·P°PiC-PS, PiPsPiPēPSPSC- P±CÍC,Pē PiC-Pr PSP°PiP»CΠPrPsPj*  
*PrP»CΠ PiPēCΠPIP»PμPSPSCΠ CÍPēPjPiC,P<sub>s</sub>PjC-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,CH<sub>2</sub>). 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»CH<sub>2</sub>PIP°C,Pē*  
*C%<sub>00</sub>PsPrPs PiPsPiC-CTjC€PμPSPSCΠ CTjC-PIPSCΠ PePsPSC,CTjPsP»CH<sub>2</sub> PiP»CH<sub>2</sub>PePsP·Pē.*  
*PŸP»C-Pr CTjPμPiCÍP»CΠCTjPSPs PePsPSC,CTjPsP»CH<sub>2</sub>PIP°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»CH<sub>2</sub>C€PsPjCÍ.*

*P—PjC-PSPē CTjC-PIPSCΠ P»C-PiC-PrC-PI. P<sub>k</sub>PμP±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»CHPsPiP°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·CHPeCÍ 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-PrPNēPsPjPë 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- PiCȚPëPNēPjP°CȚC,CH PiPsC,PμPSC†C-PNēPSPs 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.

PkPμPNēC,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·CHPePsPjCÍ CȚC-PIPSC-  
P»PμPNēPePsC†PëC,C-PI C,P°/P°P±Ps PSPμPNēC,CȚPsC,,C-P»C-PI P· P±CÍPrCH-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  
PSPμPNēC,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)  $\geq 500$  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-PeCrPIP°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·PiBtj<sup>TM</sup> ClP·PsPe PjC-Pm P»C-PeCrPIP°PSPSClPj PsP»P°PSP·P°PiC-PSPsPj C,P° PIPePiP°PrPeP°PjPe CtjPsP·PIPeC,PeCr PIPmPSPsP·PSPsC— C,CtjPsPjP±PsPmPjP±PsP»C-C— ( $\geq 0,1$  % Btj<sup>TM</sup>  $< 1$  %). PmCtjPeC+PePSPSPs-PSP°CfP»C-PrPePsPIPePm P·PiBtj<sup>TM</sup> ClP·PsPe PjC-Pm P»C-PeCrPIP°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"ChCfCl 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±bTj™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 CjPµPePsPjPµPSPrPsPIP°PSPëPNë PrP»Cj P»C-PeCfPIP°PSPSCj PrC-C,PµPNë C,P° PiC-PrP»C-C,PëC-PI. PJ PiCjPsC†PµCfC- PrPsCfP»C-PrP¶PµPSPSCj PiP°C†C-C″PSC,C-PI PIC-PePsPj 13-17 CjPsPeC-PI P·P°C,,C-PeCfPsPIP°PSPs CjC-P·PSC- PiPsP±C-C†PSC- CjPµP°PeC†C-C—: P·P±C-P»CHCëPµPSPSCj PjP°CfPë C,C-P»P°, P·PjC-PSCf PjPµC,P°P±PsP»C-C†PSPëC... PiP°CjP°PjPµC,CjC-PI C,P° P·P±C-P»CHCëPµPSPSCj CjC-PIPSCj PiCjPsP»P°PeC,PëPSCf (PrPëPI. CjPsP·PrC-P»Pë B«PαP°CjPjP°PePsP»PsPiC-C†PSC- PIP»P°CfC,PëPIPsCfC,C-B» C,P° B«PµPsP±C-C†PSC- CjPµP°PeC†C-C—B»).

P>P°PeC,PsP·P°. PµCjPµPiP°CjP°C, PjC-CfC,PëC,CH P»P°PeC,PsP·Pë PjPsPSPsPiC-PrCjP°C,, C,PsPjCf PNëPsPiPs PSPµ CfP»C-Pr P·P°CfC,PsCfPsPICfPIP°C,Pë C...PIPsCjPëPj, CjPeC- PjP°CfC,CH CfPiP°PrPePsPICf PSPµPiPµCjPµPSPsCfPëPjC-CfC,CH P»P°PeC,PsP·Pë, PrPµC,,C-C†PëC, P»P°PeC,P°P·Pë P°P±Ps CfPëPSPrCjPsPj PiP»CHPePsP·Ps- PiP°P»P°PeC,PsP·PSPsC— PjP°P»CHP°P±CfPsCjP±C†C-C—.

P—P°CfC,PsCfC¿PIP°PSPSCj C¿ PiPµCjC-PsPr PIP°PiC-C,PSPsCfC,C- P°P±Ps PiPsPrC¿PIP°PSPSCj PiCjC¿PrPrCH.

P°P°PiC-C,PSC-CfC,CH

P'C-PrCfCfC,PSC- P°PrPµPePIP°C,PSC- C- PrPsP±CjPµ PePsPSC,CjPsP»CHPsPIP°PSC- PrPsCfP»C-PrP¶PµPSPSCj 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°PSPSCj PsP»P°PSP·P°PiC-PSPsPj PiPsPIPëPSPSC- PiPsPIC-PrPsPjPëC,Pë CfPIPsPiPs P»C-PeP°CjCj PiCjPs PIP°PiC-C,PSC-CfC,CH P°P±Ps PSP°PjC-Cj P·P°PIP°PiC-C,PSC-C,Pë. PhCfPeC-P»CHPePë C-CfPSCfCHC†PëPNë PrPsCfPIC-Pr P»C-PeCfPIP°PSPSCj PIP°PiC-C,PSPëC... PsP»P°PSP·P°PiC-PSPsPj PsP±PjPµP¶PµPSPëPNë, PsP»P°PSP·P°PiC-PS Cf PiPµCjC-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- CjPµP·CfP»CHC,P°C,Pë PIPëPiCjP°PIPrPsPICfCHC,CH PjPsP¶P»PëPIPëPNë CjPëP·PëPe PrP»Cj PiP»PsPrP°.

PJ PSPsPIPsPSP°CjPsPrP¶PµPSPëC..., PjP°C,PµCjC- CjPePëC... PiCjPëPNëPjP°P»Pë P°PSC,PëPiCfPëC...PsC,PëC†PSC- P»C-PeP°CjCfCHPeC- P·P°CfPsP±Pë (PIPeP»CHC†P°CHC†Pë PsP»P°PSP·P°PiC-PS) PiCjPsC,CjPiPsPj P†P†P† C,CjPëPjPµCfC,CjCf PIP°PiC-C,PSPsCfC,C-, C-CfPSCfC″ CjPëP·PëPe PIPëPSPëPePSPµPSPSCj PiPsP±C-C†PSPëC... CjPµP°PeC†C-PNë, PIPeP»CHC†P°CHC†Pë PµPeCfC,CjP°PiC-CjP°PjC-PrPSC- PiPsCjCfCëPµPSPSCj C,P°/P°P±Ps CfPëPSPrCjPsPj PIC-PrPjC-PSPë, CfPëPjPiC,PsPjPë CjPePëC... PjPsP¶CfC,CH PiC-CfP»Cj PSP°CjPsPrP¶PµPSPSCj P·PjC-PSCfPIP°C,PëCfCj P·P° CfPëP»PsCH C,P° C,CjPëPIP°P»C-CfC,CH. PµPsPIC-PrPsPjP»CjP»PsCfCj PiCjPs P°P¶PëC,P°C†C-CH, P°CjC,PµCjC-P°P»CHPSCf PiC-PiPµCjC,PµPSP·C-CH, P°CjC,PµCjC-P°P»CHPSCf PiC-PiPsC,PµPSP·C-CH, C,CjPµPjPsCj, CfPsPSP»PëPIC-CfC,CH, CjPµCfPiC-CjP°C,PsCjPSPëPNë PrPëCfC,CjPµCf-CfPëPSPrCjPsPj P°P±Ps CjPsP·P»P°PrPë C...P°CjC†CfPIP°PSPSCj. PjPsPjCf PSPµPsP±C...C-PrPSPs PePsPSC,CjPsP»CHPIP°C,Pë CfC,P°PS PSPsPIPsPSP°CjPsPrP¶PµPSPëC....

PµPµCjC-PsPr PiPsPrC¿PIP°PSPSCj PiCjC¿PrPrCH

РµСђРё РrPsCfP»C-PrP¶PµPSPSC- P·PrPsCђPsPIPёC... P¶C-PSPsPe, C¶PeC- PiPsPrCfPIP°P»Pё  
PiCђCfPrPrCђ, PsP»P°PSP·P°PiC-PS P±CfP»Ps PIPёC¶PIP»PµPSPs Cђ PiCђCfPrPSPsPjCђ  
PjPsP»PsCfC-. PђPµCђPµPrPSC¶ PrPsP·P° PrP»C¶ PSPµPjPsPIP»C¶C,Pe (PjPi/PePi) P±PµP·  
CђPёP·PёPeCђ PrP»C¶ PSCђPsPiPs PsCfC-PSCђPIP°P»P°CfC¶ C¶Pe 1,8 % PIC-Pr  
PjP°C,РµCђPёPSCfCђPePsC— PrPsP·Pё (PjPi/PePi). РµP°CfC-C”PSC,PeP°Pj PSPµ  
CђPµPePsPjPµPSPrCfC”C,CHCfC¶ PiPsPrCfPIP°C,Pe PSPµPjPsPIP»C¶C, PiCђCfPrPrCђ,  
C¶PeC%oPs PIPsPSPё PiCђPёP№PjP°CђC,CH PsP»P°PSP·P°PiC-PS.

*РµPµCђC,PeP»CHPSC-CfC,CH*

P’PiP»PёPI PSP° C,,PµCђC,PeP»CHPSC-CfC,CH PSPµPIC-PrPsPjPёP№.

*P—PrP°C,PSC-CfC,CH PIPiP»PёPIP°C,Pe PSP° CёPIPёPrPeC-CfC,CH CђPµP°PeCfC-C— PiCђPё  
PePµCђCзPIP°PSPSC- P°PIC,PsC,CђP°PSCfPiPsCђC,PsPj P°P±Ps C-PSCёPёPjPё  
PjPµC...P°PSC-P·PjP°PjPё.*

P”PsCfP»C-PrP¶PµPSCђ PIPiP»PёPICђ PsP»P°PSP·P°PiC-PSCђ PSP° CёPIPёPrPeC-CfC,CH  
CђPµP°PeCfC-C— PiCђPё PePµCђCfPIP°PSPSC- P°PIC,PsC,CђP°PSCfPiPsCђC,PsPj P°P±Ps  
CђPsP±PsC,C- P· C-PSCёPёPjPё PjPµC...P°PSC-P·PjP°PjPё PSPµ PiCђPsPIPsPrPёP»PsCfC¶.  
PhCfPeC-P»CHPePё PsP»P°PSP·P°PiC-PS PjPsP¶Pµ CfPiCђPёC¶PёPSPёC,Pe  
CfPsPSP»PёPIC-CfC,CH C,P° P·P°PiP°PjPsCђPsC¶PµPSPSC¶, PiP°CfC-C”PSC,C-PI CfP»C-Pr  
PiPsPiPµCђPµPrPёC,Pe PiCђPs PSPµP±PµP·PiPµPeCђ, PiPsPiBђ™ C¶P·P°PSCђ P·  
PµPeCfPiP»CfP°C,P°CfC-C”Cђ PjP°CёPёPS, PIPeP»CђC¶P°CђC¶Pё  
P°PIC,PsC,CђP°PSCfPiPsCђC,PSC- P·P°CfPsP±Pё.

***PђPiPsCfC-P± P·P°CfC,PsCfCзPIP°PSPSC¶ C,P° PrPsP·Pё.***

P”PsCђPsCfP»C-

PёPёP·PsC,,CђPµPSC-C¶. P PµPePsPjPµPSPrPsPIP°PSP° PiPsC¶P°C,PePsPIP° PrPsP·P°  
PsP»P°PSP·P°PiC-PSCђ CfC,P°PSPsPIPёC,CH 10 PjPi 1 CђP°P· PSP° PrPsP±Cђ.

PµP°PSC-P°PeP°P»CHPSC- PµPiC-P·PsPrPё. P PµPePsPjPµPSPrPsPIP°PSP°B PiPsC¶P°C,PePsPIP°  
PrPsP·P° PsP»P°PSP·P°PiC-PSCђ C¶Pe PjPsPSPsC,РµCђP°PiC-C— CfC,P°PSPsPIPёC,CH  
15 PjPi PSP° PrPsP±Cђ P°P±Ps 10 PjPi PSP° PrPsP±Cђ PiCђPё PePsPjP±C-PSPsPIP°PSPsPjCђ  
P»C-PeCfPIP°PSPSC- (PrPёPI. CђPsP·PrC-P» B«PµP°CђPjP°PePsPrPёPSP°PjC-PeP°B»).

PµCђPsC,,C-P»P°PeC,PePeP° PiPsPIC,PsCђPSPёC... PSP°PiP°PrC-PI Cз PiP°CfC-C”PSC,C-PI P·  
P±C-PiPsP»C¶CђPSPёPjPё CђPsP·P»P°PrP°PjPё. P PµPePsPjPµPSPrPsPIP°PSP°  
PiPsC¶P°C,PePsPIP° PrPsP·P° CfC,P°PSPsPIPёC,CH 10 PjPi PSP° PrPsP±Cђ. РµP°CfC-C”PSC,Pe P·  
P±C-PiPsP»C¶CђPSPёPjPё CђPsP·P»P°PrP°PjPё, C¶PeC- PsC,CђPёPjCfPIP°P»Pё  
PsP»P°PSP·P°PiC-PS PrP»C¶ P»C-PeCfPIP°PSPSC¶ PjP°PSC-P°PeP°P»CHPSPёC...  
PµPiC-P·PsPrC-PI, PiCђPsPrPsPIP¶CfCђC,CH PsC,CђPёPjCfPIP°C,Pe PsP»P°PSP·P°PiC-PS Cђ  
C,PsPjCђ P¶ PrPsP·CfPIP°PSPSC- C- PrP»C¶ PiCђPsC,,C-P»P°PeC,PePePё PiPsPIC,PsCђPSPёC...  
PSP°PiP°PrC-PI. P—P° CђPjPsPIPё CђPsP·PIPёC,PeCђ PSPsPiPsPiPs  
PjP°PSC-P°PeP°P»CHPSPsPiPs, PrPµPiCђPµCfPёPIPSsPiPs P°P±Ps P·PjC-CёP°PSPsPiPs  
PµPiC-P·PsPrCђ P»C-PeCfPIP°PSPSC¶ PSPµPsP±C...C-PrPSPs PiCђPsPrPsPIP¶CfPIP°C,Pe (Cђ  
CђP°P·C- PSPµPsP±C...C-PrPSPsCfC,C- PsPiC,PёPjC-P·CfPIP°PICёPё PrPsP·Cђ) CђP°P·PsPj C-P·  
PiC-PrC,CђPёPjCfCђC¶PsCђ C,РµCђP°PiC-C”Cђ PrP»C¶ P»C-PeCfPIP°PSPSC¶

$P_{\text{H}}P_{\text{M}}P_{\text{SC}}\epsilon C_r$   $P_iP_{\text{SC}}\pm P^\circ C$ ,  $P_{\text{e}}P_{\text{S}}P_{\text{IC}}r$   $P_rP_{\text{S}}P\cdot C_r$   $P_jP_{\text{S}}P_{\text{P}}P_{\text{SP}}^\circ$   $P_iC_{\text{H}}P_{\text{e}}P\cdot P_{\text{SP}}^\circ C\pm P^\circ C$ ,  $P_{\text{e}}$   
 $P_iP^\circ C\uparrow C-C''P_{\text{SC}}, P^\circ P_j$   $C-P\cdot$   $P_{\text{e}}P_{\text{S}}P_jP\pm C-P_{\text{SP}}^\circ C\uparrow C-C''C_{\text{H}}$   $C_{\text{H}}, P^\circ P_{\text{e}}C$ ,  $P_{\text{S}}C_{\text{H}}C-PI$  ( $P_{\text{H}}C-P_{\text{SP}}P_{\text{S}}C\pm P^\circ$   
 $C\uparrow C$ ,  $P^\circ C$ ,  $C_{\text{H}}$ ,  $P\gg C-C$ ,  $P_{\text{SC}}-P_{\text{N}}$   $PIC-P_{\text{e}}$ ,  $PIC-PrC\uparrow C_rC$ ,  $P_{\text{SC}}-C\uparrow C$ ,  $C_{\text{H}}$   $P\cdot PIP_{\text{e}}C\pm P_{\text{e}}P_{\text{e}}$   $PrP_{\text{S}}$   
 $P_iP^\circ P\gg C-P_{\text{SP}}P_{\text{SC}}\uparrow$ ),  $C\uparrow P_{\text{e}}C-$   $P_jP_{\text{S}}P_{\text{H}}C_rC$ ,  $C_{\text{H}}$   $P\cdot P_{\text{SP}}P_{\text{H}}C_rPIP^\circ C$ ,  $P_{\text{e}}$   $P_jP_{\text{M}}C$ ,  $P^\circ P\pm P_{\text{S}}P\gg C-P\cdot P_j$   
 $P_{\text{S}}P\gg P^\circ P_{\text{SP}}\cdot P^\circ P_iC-P_{\text{SC}}r$ .  $P_{\text{H}}C-PrPIP_{\text{e}}C\%P_{\text{M}}P_{\text{SP}}P_{\text{SC}}\uparrow$   $PrP_{\text{S}}P\cdot P_{\text{e}}$   $C$ ,  $P^\circ P_{\text{e}}P_{\text{e}}P_j$   $P_iP^\circ C\uparrow C-C''P_{\text{SC}}, P^\circ P_j$ ,  
 $C\uparrow P_{\text{e}}C\%P_{\text{S}}$   $C\uparrow P_{\text{M}}$   $P_iP_{\text{S}}P_{\text{e}}P^\circ P\cdot P^\circ P_{\text{SP}}P_{\text{S}}$ ,  $P_iP_{\text{S}}C$ ,  $C_{\text{H}}C-P\pm P_{\text{SP}}P_{\text{S}}$   $P\cdot PrC-P_{\text{N}}$   $C\uparrow P_{\text{SC}}P_{\text{H}}PIP^\circ C$ ,  $P_{\text{e}}$   
 $P_{\text{e}}P_{\text{S}}P_{\text{SC}}rP_{\text{M}}C_{\text{H}}PIP^\circ C$ ,  $P_{\text{e}}PIP_{\text{SP}}P_{\text{S}}$  ( $PrP_{\text{e}}PI$ .  $C_{\text{H}}P_{\text{S}}P\cdot PrC-P\gg P_{\text{e}}$   $B\ll P'P\cdot P^\circ C''P_jP_{\text{S}}PrC-C\uparrow$   $P\cdot C-P_{\text{SC}}P_{\text{e}}P_jP_{\text{e}}$   
 $P\gg C-P_{\text{e}}P^\circ C_{\text{H}}C\uparrow C_{\text{H}}P_{\text{e}}P_{\text{e}}P_jP_{\text{e}}$   $P\cdot P^\circ C\uparrow P_{\text{S}}P\pm P^\circ P_jP_{\text{e}}$   $C$ ,  $P^\circ C-P_{\text{SC}}\epsilon C-$   $PIP_{\text{e}}PrP_{\text{e}}$   $PIP\cdot P^\circ C''P_jP_{\text{S}}PrC-P_{\text{N}}B\gg$

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,PsCfCPSPICfPIP°C,Pë  
PrC-C,CḡPj PIC-PePsPj PrPs 18 CḡPsPeC-PI, PsCfPeC-P»CHPePë PSPμPjP°C''  
PrPsCfC,P°C,PSC-C... PrP°PSPëC... C%PsPrPs P±PμP·PīPμPePë C,P° PμC,,PμPeC,PëPIPSPsCfC,C-  
PNëPsPiPs P·P°CfC,PsCfCfPIP°PSPSCḡ. Pj PīCḡPsC†PμCfC-  
PePsCḡPsC,PePsCfC,CḡPsPePsPIPëC... PrPsCfP»C-PrP¶PμPSCH C† PīP°C†C-C''PSC,C-PI  
PīC-PrP»C-C,PePsPIPsPiPs PIC-PeC† PIC-PrP·PSP°C†P°P»PsCfCḡ P·P±C-P»CHC€PμPSPSCḡ  
PjP°CfPë C,C-P»P°, P·PjC-PSPë CḡC-PIPSCḡ PīCḡPsP»P°PeC,PëPSC† C,P° P»C-PīC-PrC-PI  
PīPsCḡC-PIPSCḡPSPs P· PrPsCḡPsCfP»PëPjPë (PrPëPI. CḡPsP·PrC-P»Pë  
B«PhCfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCḡB», B«PμPsP±C-C†PSC-  
CḡPμP°PeC†C-C-B» C,P° B«PαP°CḡPjP°PePsP»PsPiC-C†PSC- PIP»P°CfC,PëPIPsCfC,C-B»).

### **PμPμCḡPμPrPsP·CḡPIP°PSPSCḡ.**

PŸPëPjPīC,PsPjPë. P''C†P¶Pμ PīPsC€PëCḡPμPSC- (>10 % PIPëPīP°PrPeC-PI) Bḡ''  
C,P°C...C-PeP°CḡPrC-Cḡ, P°P¶PëC,P°C†C-Cḡ/P°PīCḡPμCfPëPIPS-ClC,CH,  
PrPëP·P°CḡC,CḡC-Cḡ, CḡC-P·PSC- PμPeCfC,CḡP°PīC-CḡP°PjC-PrPSC- ClPëPjPīC,PsPjPë C,P°  
P·PSPëP¶PμPSPëPNë CḡC-PIPμPSCH C†PIC-PrPsPjPsCfC,C-, C%Ps PIP°CḡC-CḡC''C,CHCfCḡ  
PIC-Pr C†PμPrP°C†C-C— PrPs PePsPjPë.

P†PSC€PëPjPë P·PSP°C†PSPëPjPë C†C†PeP»P°PrPSPμPSPSCḡPjPë PīPμCḡPμPrPsP·C†PIP°PSPSCḡ  
C'' PrPμP»C-CḡC-PNë, C†C†PrPsPjPë, PePsPjP°, PjPsP¶P»PëPIC-C†C,CH PIPëPSPëPePSPμPSPSCḡ  
PḡP—PŸ, PīCḡPëPīPSC-C†PμPSPSCḡ PrPëC...P°PSPSCḡ, P°C†PīC-CḡP°C†C-Cḡ,  
P°CḡC,PμCḡC-P°P»CHPSP° PīC-PīPμCḡC,PμPSP·C-Cḡ P°P±Ps PīC-PīPsC,PμPSP·C-Cḡ,  
C†PμCḡC†PμPIP° P°CḡPëC,PjC-Cḡ (<2 % PIPëPīP°PrPeC-PI PīPμCḡPμPrPsP·C†PIP°PSPSCḡ) C,P°  
PeP°CḡPrC-PsPīC†P»CHPjPsPSP°P»CHPSPëPNë C€PsPe. P>PμC,P°P»CHPSC- PSP°C†P»C-PrPePë  
PIC-PrP·PSP°C†P°P»PëCfCḡ PīCḡPë PīPsCfC,CḡPsPjC† PīPμCḡPμPrPsP·C†PIP°PSPSC- PSP°  
CḡC-PIPS- 450 PjPi, P°P»Pμ P±C†P»Pë PNë PIPëPīP°PrPePë PIPëP¶PëPIP°PSPSCḡ PīC-C†P»Cḡ  
PīPsCfC,CḡPsPiPs PīPμCḡPμPrPsP·C†PIP°PSPSCḡ PīC-C†P»Cḡ PīCḡPëPNëPsPjC† 2 Pi  
PsP»P°PSP·P°PīC-PSC† PīPμCḡPsCḡP°P»CHPSPs.

P>C-PeCḡPIP°PSPSCḡ. PŸPīPμC†PëC,,C-C†PSPëPNë P°PSC,PëPrPsC, PsP»P°PSP·P°PīC-PSC†  
PIC-PrC†C†C,PSC-PNë. PḡPμ CḡPμPePsPjPμPSPPrCfC''C,CHCfCḡ PIPëPeP»PëPeP°C,Pë  
P±P»CHPIP°PSPSCḡ. P PμPePsPjPμPSPPrPsPIP°PSPs C†C,P°PSPPrP°CḡC,PSC-  
PīCḡPsC†PμPrC†CḡPë PīCḡPë PīPμCḡPμPrPsP·C†PIP°PSPSC- (PSP°PīCḡPëPeP»P°Pr,  
PīCḡPsPjPëPIP°PSPSCḡ C€P»C†PSPeP°, PīCḡPëPNëPsPj P°PeC,PëPIPsPIP°PSPsPiPs  
PIC†PīC-P»P»Cḡ). P·C†P»Ps PIPëCḡPIP»PμPSPs, C%Ps C†C†PīC†C,PSC-PNë PīCḡPëPNëPsPj  
P°PeC,PëPIPsPIP°PSPsPiPs PIC†PīC-P»P»Cḡ P·PjPμPSC€C†C'' P±C-PsPrPsCfC,C†PīPSC-C†C,CH  
PsP»P°PSP·P°PīC-PSC† PīCḡPë PīPμCḡPsCḡP°P»CHPSPsPjC† PīCḡPëPNëPsPjC- PSP° 50-60 %.

P'C-PrPīPsPIC-PrPSPs PrPs PeP»C-PSC-C†PSPëC... PīCḡPsCḡPIC-PI C†P»C-Pr  
PSP°P»P°PīPsPrPëC,Pë C†PëPjPīC,PsPjP°C,PëC†PSPμ P»C-PeC†PIP°PSPSCḡ C,P°  
PjPsPSC-C,PsCḡPëPSPi P¶PëC,C,C''PIPs PIP°P¶P»PëPIPëC... C,,C†PSPeC†C-PNë,  
PIPeP»CHC†P°CHC†Pë P»C-PeC†PIP°PSPSCḡ P°CḡC,PμCḡC-P°P»CHPSPsC—  
PīC-PīPsC,PμPSP·C-C— C,P° C†PëCḡPeC†P»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”CH, C...P°ChP°PeC,PµChPSPsCH 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»PëIPsC— 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—.***

*PµPsChPsC,PePëPN PsPiPëCΓ PiChPsC,,C-P»CH 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), PiPsPiB¶™ C¶P·P°PSC- C-P· P·P°CΓC,PsCΓCrPIP°PSPSC¶Pj  
PsP»P°PSP·P°PiC-PSCr PI PiChPsC†PµCΓC- PeP»C-PSC-C†PSPëC... PrPsCΓP»C-PrP¶PµPSCH:  
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,PëPSCr,  
C...PsP»PµCΓC,PµChPsP»Cr (C...PsP»PµCΓC,PµChPëPSCr), PiP»CHPePsP·Pë C,P°  
C,ChPëPiP»C-C†PµChPëPrC-PI Cr PeChPsPIC- (PrPëPI. ChPsP·PrC-P»  
B«PhCΓPsP±P»PëIPsCΓC,C- P·P°CΓC,PsCΓCrPIP°PSPSC¶B»), PiP»CHPePsP·CrChC-C¶,  
PiC-PrPIPëC%PµPSPSC¶ P°PiPµC,PëC,Cr, P·P°PiP°PjPsChPsC†PµPSPSC¶, P°PeP°C,PëP·C-C¶,  
PiP°ChPeC-PSCΓPsPSC-P·Pj, P»PµPN PePsPiPµPSC-C¶, PSPµPN C,ChPsPiPµPSC-C¶ (PrPëPI.  
ChPsP·PrC-P» B«PhCΓPsP±P»PëIPsCΓC,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°PSCΓP°PjC-PSP°P· (PrPëPI. ChPsP·PrC-P» B«PhCΓPsP±P»PëIPsCΓC,C-  
P·P°CΓC,PsCΓCrPIP°PSPSC¶B»), PIPëCΓPëPiP°PSPSC¶, P°CΓC,PµPSC-C¶,  
CΓC,PsPjP»CHPIP°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»CrC,P°PjC-P»C,ChP°PSCΓC,,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- Cr PiChPsC†PµCΓC- PeP»C-PSC-C†PSPëC... PrPsCΓP»C-PrP¶PµPSCH C,P°  
PSP° PsCΓPSPsPIC- PiPsCΓC,PjP°ChPePµC,PëPSPiPsPIPsPiPs PrPsCΓPIC-PrCr.

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¶PrPeCr P·PjPµPSC€PµPSPSC¶  
CΓPµChPN PsP·PSPsCΓC,C-.

PŞP°CΓC,PsC,P° PIPëPSPëPePSPµPSPSC¶ PiPsP±C-C†PSPëC... ChPµP°PeC†C-PN  
PeP»P°CΓPëC,,C-PeCrC”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), PrCrP¶Pμ C‡C-PrPePs (<1/10000), C†P°C†C,PsC,P° PSPμPIC-PrPsPjP° (C†P°C†C,PsC,Cr PSPμ PjPsP¶PSP° PIC†C,P°PSPsPIPeC,Pë PSP° PsC†PSPsPIC-PSP°C¶PIPIPeC... PrP°PSPëC...).

|                                                                                                                                                 |                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                        |                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| P°CfP¶Pμ C†P°C†C,Ps                                                                                                                             | P\$P°C†C,Ps                                                                                                                                                                                                                                                                                 | PkPμC†P°C†C,Ps                                                                                                                                                                                                                                                                                                                                                                                                                            | P C-PrPePs                                                                                                                                                             | P\$P°C†C,PsC,P° PSPμPIC-PrPsPjP°                                                                                                  |
| P— P±PsPeCf 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¶ <sup>10</sup> , PSPμPñC,C‡PsPiPμPSC-Cl¶ <sup>10</sup>                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                           | PÿC‡PsPjP±PsC†PëC,PsPiPμ-PSC-Cl¶ <sup>11</sup>                                                                                                                         |                                                                                                                                   |
| P— P±PsPeCf C-PjCfPSPSPsC— C†PëC†C,PμPjPë                                                                                                       |                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                        |                                                                                                                                   |
|                                                                                                                                                 |                                                                                                                                                                                                                                                                                             | P°C-PiPμC‡C†CfC,P»PëPIC-C†C,C‡ <sup>11</sup>                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                        |                                                                                                                                   |
| PμPsC‡CfC€PμPSPSC¶ PsP±PjC-PSCf C‡PμC†PsPIPeC 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° <sup>1</sup>                                                                                             | PμC-PrPIPeC%PμPSPSC¶ C‡C-PIPSC¶ C...PsP»PμC†C,PμC‡PëPSC <sup>f2,3</sup> , PiC-PrPIPeC%PμPSPSC¶ C‡C-PIPSC¶ PiP»C‡PePsP-Pë <sup>4</sup> , PiC-PrPIPeC%PμPSPSC¶ C‡C-PIPSC¶ C,C‡PëPiP»C-C†PμC‡PëPrC-PI <sup>2</sup> , <sup>5</sup> , PiP»C‡PePsP-CfC‡C-Cl¶, PiC-PrPIPeC%PμPSPSC¶ P°PiPμC,PëC,Cf | P PsP-PIPeC,PsPe P°P±Ps P-P°PiPsC†C,C‡PμPSPSC¶ PrC-P°P±PμC,Cf, C‡C-PrPePs PiPsPIñ <sup>¶</sup> C¶P-P°PSPsPiPs P-PePμC,PsP°C†PëPrPsP-PsPj P°P±Ps PePsPjPsC‡, PiPeP»C‡C†P°C‡C†Pë PrPμC¶PeC-P»PμC,P°P»C‡PSC-PIPePiP°PrPePë <sup>11</sup>                                                                                                                                                                                                     | P°C-PiPsC,PμC‡PjC-Cl¶ <sup>12</sup>                                                                                                                                    |                                                                                                                                   |
| P— P±PsPeCf PSPμC‡PIPsPIPsC— C†PëC†C,PμPjPë                                                                                                     |                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                        |                                                                                                                                   |
| PÿPsPSP»PëPIC-C†C,C‡                                                                                                                            | P—P°PiP°PjPsC‡PsC†PμPSPSC¶, P°PeP°C,PëP-C-Cl¶ <sup>6</sup> , PiP»C‡PeC-PSC†PsPSC-P-Pj <sup>6</sup> , PrPëC†PeC-PSPμP-C-Cl¶ <sup>6</sup>                                                                                                                                                     | 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°C¶PIPIPS-C,,P°PeC,PsC‡Pë C‡PëP-PëPeC† <sup>11</sup> , PrPëC†C,PsPSC-Cl¶ (PIPeP»C‡C†PSPs P-PsPeCfP»C¶C‡PSPëPj C†PëPjPiC,PsPjPsPj) <sup>11</sup> , PiC-P-PSC¶ PrPëC†PeC-PSPμP-C-Cl¶ <sup>11</sup> , P°PjPSPμP-C-Cl¶ <sup>7</sup> , PrPëP-P°C‡C,C‡C-Cl¶, P-P°C—PeP°PSPSC¶ <sup>11</sup> , C†PëPSPrC‡PsPj PiC,PsPjP»PμPSPëC... PSC-Pi <sup>11</sup> | PkPμPñC‡PsP»PμPiC,PëC†-PSPëPñ P-P»PSC¶PeC-C†PSPëPñ C†PëPSPrC‡PsPj <sup>12</sup> , C†PëPSPrC‡PsPj PIC-PrPjC-PSPë <sup>7,12</sup>                                        |                                                                                                                                   |
| P— P±PsPeCf 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‡PëPeCfP»C¶C‡PSP° C,P°C...C-PeP°C‡PrC-Cl¶/C,,C-P±-C‡PëP»C¶C†C-Cl¶, C‡P°PiC,PsPiP° C†PjPμC‡C,C‡ <sup>11</sup>                                                  |                                                                                                                                   |
| P— P±PsPeCf C†CfPrPëPSPSPsC— C†PëC†C,PμPjPë                                                                                                     |                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                        |                                                                                                                                   |
| PkC‡C,PsC†C,P°-C,PëC†PSP° PiC-PiPsC,PμPSP-C-Cl¶ <sup>10</sup>                                                                                   |                                                                                                                                                                                                                                                                                             | 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±PsPeCf PrPëC...P°P»C‡PSPsC— C†PëC†C,PμPjPë, PsC‡PiP°PSC-PI PiC‡CfPrPSPsC— PeP»C-C,PëPë C,P° PjPμPrC-P°C†C,PëPSP°P»C‡PSC-PiPsC‡CfC€PμPSPSC¶ |                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                        |                                                                                                                                   |
|                                                                                                                                                 |                                                                                                                                                                                                                                                                                             | PñC‡PsPIPsC,PμC†P° P-PSPsC†P° <sup>9</sup>                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                        |                                                                                                                                   |
| P— P±PsPeCf C€P»C†PSPePsPIPs-PePëC€PePsPIPsPiPs C,C‡P°PeC,Cf                                                                                    |                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                        |                                                                                                                                   |
|                                                                                                                                                 | P»PμPiPeC-, PePsC‡PsC,PePsC,C‡PëPiP°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‡ Cf C‡PsC,C-                                                                                                                                 | P—PrCfC,C,Cl¶ P¶PëPIPsC,P° <sup>9</sup> , PiC-PiPμC‡C†PμPeC‡PμC†C-Cl¶ C†P»PëPSPë <sup>11</sup>                                                                                                                                                                                                                                                                                                                                            | PμP°PSPeC‡PμP°C,PëC, <sup>11</sup>                                                                                                                                     |                                                                                                                                   |
| P— P±PsPeCf 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†PSPëPñ PiC-PrPñPsPj C‡C-PIPSC¶ PiPμC†C-PSPePsPIPeC... 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,PëCf P»C-PeCfPiP°PSPSC¶                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                           | P°PμPiP°C,PëC, (PIPeP»C‡C†P°C‡C†Pë PiPμPiP°C,PsC†PμP»C‡P»C¶C‡PSPμ, C...PsP»PμC†C,P°C,PëC†PSPμ P°P±Ps P-PjC-C€P°PSPμ CfC€PePsPrP¶PμPSPSC¶ PiPμC†C-PSPëPë) <sup>11</sup> |                                                                                                                                   |
| P— P±PsPeCf C€PeC-C‡Pë C,P°C—C— PiPsC...C-PrPSPëC...                                                                                            |                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                        |                                                                                                                                   |
|                                                                                                                                                 | P°C†PëPiP°PSPSC¶                                                                                                                                                                                                                                                                            | P PμP°PeC†C-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 F C,P° C†PëC†C,PμPjPSPëPjPë C†PëPjPiC,PsPjP°PjPë (DRESS) |

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

<sup>1</sup> PµP»C-PSC-C±PSPs P·PSP°C±CfC%Pu P·P±C-P»CHbCëPuPSPSCИ PjP°CfPë C,C-P»P°  
CfPiPsCfC,PuCfC-PiP°P»PsCfCИ PI CfCfC-C... PeP°C,PuPiPsCfC-PNë PiP°CfC-C”PSC,C-PI P·P°  
P†PµPÿ (C-PSPrPuPeCf PjP°CfPë C,C-P»P°). PuC-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»CHbCëPuPSPSCИ PjP°CfPë C,C-P»P° PSP° ≥ 7 %  
CfPiPsCfC,PuCfC-PiP°P»PsCfCИ PrCfPµ C±P°CfC,Ps (22,2 % PIPëPiP°PrPeC-PI), PSP° ≥ 15 %  
CfPiPsCfC,PuCfC-PiP°P»PsCfCИ C±P°CfC,Ps  
(4,2 % PIPëPiP°PrPeC-PI), PSP°B ≥ 25 % CfPiPsCfC,PuCfC-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,PuCfP°PiC-Cf (PiCfPëPSP°PNëPjPSC- PiCfPsC,CИPiPsPj 48 C,PëPµPSC-PI),  
P·P±C-P»CHbCëPuPSPSCИ PjP°CfPë C,C-P»P° PSP° ≥ 7 %, ≥ 15 %, ≥ 25 %  
CfPiPsCfC,PuCfC-PiP°P»PsCfCИ PrCfPµ C±P°CfC,Ps (Cf 64,4 %, 31,7 %, 12,3 %  
PIPëPiP°PrPeC-PI PIC-PrPiPsPIC-PrPSPs).B

<sup>2</sup> PÿPuCfPuPrPSC- PiC-PrPIPëC%PuPSPSCИ CfC-PIPSИ P»C-PiC-PrC-PI PSP°C,C%Pu  
(P·P°PiP°P»CHbPSPëPNë C...PsP»PuCfC,PuCfPsP», P»C-PiPsPiCfPsC,PuC—PSPë  
PSPëP·CHbPePsC— C%C-P»CHbPSPsCfC,C- (P·PuPµP©) C- C,CfPëPiP»C-C†PuCfPëPrPë)  
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,PuCfC-PiP°P»PsCfCИ PiPsCfCfCëPuPSCf PsP±PjC-PSCf P»C-PiC-PrC-PI.

<sup>3</sup> PÿPiPsCfC,PuCfC-PiP°P»PsCfCИ Cf PiP°CfC-C”PSC,C-PI P· PSPsCfPjP°P»CHbPSPëPj  
PiPsC±P°C,PePsPIPëPj CfC-PIPSИPj PSP°C,C%Pu (< 5,17 PjPjPsP»CHb/P»), CИPePëPNë  
PiC-PrPIPëC%CfPiP°PICfCИ PrPs PIPëCfPsPePsPiPs (≥ 6,2 PjPjPsP»CHb/P»). P”CfPµ  
C±P°CfC,Ps PiPsPIC-PrPsPjP»CИP»PsCfCИ PiCfPs CfP°PiC,PsPIPµ PiC-PrPIPëC%PuPSPSCИ  
CfC-PIPSИ P·P°PiP°P»CHbPSPsPiPsB C...PsP»PuCfC,PuCfPsP»Cf PSP°C,C%Pu P·  
PiPsC±P°C,PePsPIPsPiPs CfC-PIPSИ (≥ 5,17 - < 6,2 PjPjPsP»CHb/P») PrPs PIPëCfPsPePsPiPs  
CfC-PIPSИ  
(≥ 6,2 PjPjPsP»CHb/P»).

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

<sup>5</sup> PŸPİPsCİC,PµCḡC-PİP°P»PsCİCİ Cı PİP°C†C-C”PSC,C-PI P· PSPsCḡPjP°P»CHPSPëPj PİPsC†P°C,PePsPIPëPj CḡC-PIPSPµPj PSP°C,C%oPµ (< 1,69 PjPjPsP»CH/P»), CİPePëPNë PİC-PrPIPëC%oCıPİP°PICİCİ PrPs PİPëCİPsPePsPiPs (≥ 2,26 PjPjPsP»CH/P»). P”CıP¶Pµ C†P°CİC,Ps PİPsPIC-PrPsPjP»CİP»PsCİCİ PİCḡPs CḡP°PİC,PsPIPµ PİC-PrPIPëC%oPµPSPSCİ CḡC-PIPSCİ C,CḡPëPİP»C-C†PµCḡPëPrC-PI PSP°C,C%oPµ P· PİPsC†P°C,PePsPIPsPiPs CḡC-PIPSCİ (≥ 1,69 - < 2,26 PjPjPsP»CH/P») PrPs PİPëCİPsPePsPiPs CḡC-PIPSCİ (≥ 2,26 PjPjPsP»CH/P»).

<sup>6</sup> PµC-Pr C†P°Cİ PeP»C-PSC-C†PSPëC... PrPsCİP»C-PrP¶PµPSCḡ C†P°CİC,PsC,P° PİPëPSPëPePSPµPSPSCİ PİP°CḡPeC-PSCİPsPSC-P·PjCı C- PrPëCİC,PsPSC-C— Cı PİP°C†C-C”PSC,C-PI, CİPeC- P·P°CİC,PsCİPsPICıPİP°P»Pë PsP»P°PSP·P°PİC-PS, P±CıP»P° PİPëC%oP°, PSC-P¶ Cı PİCḡPsC†PµCİC- PrPsCİP»C-PrP¶PµPSCḡ PİP»P°C†PµP±Ps, P°P»Pµ PeP»C-PSC-C†PSPs PSPµP·PSP°C†PSPs. PŞP°CİC,PsC,P° PİPëPSPëPePSPµPSPSCİ PİP°CḡPeC-PSCİPsPSC-P·PjCı, P°PeP°C,PëP·C-C— C,P° PrPëCİC,PsPSC-C— Cı PİP°C†C-C”PSC,C-PI, CİPeC- P·P°CİC,PsCİPsPICıPİP°P»Pë PsP»P°PSP·P°PİC-PS, P±CıP»P° PSPëP¶C†P°, 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°C†C-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%oPs PsP»P°PSP·P°PİC-PS PjPµPSC€Pµ CıPİCḡPëC†PëPSCİC” 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- CıPëPSPrCḡPsPjPë.

<sup>7</sup> Pj PİPëPİP°PrPeCı CḡP°PİC,PsPIPsPiPs PİCḡPëPİPëPSPµPSPSCİ C,PµCḡP°PİC-C— PsP»P°PSP·P°PİC-PSPsPj PİPsPIC-PrPsPjP»CİP»PsCİCİ PİCḡPs PİPsCİC,CḡC- CıPëPjPİC,PsPjPë: PİC-PrPIPëC%oPµPSPµ PİPsC,PsPIPëPrC-P»PµPSPSCİ, P±PµP·CıPsPSPSCİ, C,CḡPµPjPsCḡ, PIC-PrC†CıC,C,Cİ CİC,CḡP°C...Cı, PSCıPrPsC,Cı C- P±P»CḡPIP°PSPSCİ.

<sup>8</sup> Pj PİCḡPsC†PµCİC- PeP»C-PSC-C†PSPëC... PrPsCİP»C-PrP¶PµPSCḡ (PrPs 12 C,PëP¶PSC-PI) PİPëP·PSP°C†PµPSPs, C%oPs PePsPSC†PµPSC,CḡP°C†C-Cİ PİCḡPsP»P°PeC,PëPSCı Cı PİP»P°P·PjC- PeCḡPsPIC- PİPµCḡPµPIPëC%oCıPİP°P»P° PİPµCḡC...PSC-PNë P»C-PjC-C, PSPsCḡPjPë Cı 30 % PİP°C†C-C”PSC,C-PI, CİPeC- P·P°CİC,PsCİPsPICıPİP°P»Pë PsP»P°PSP·P°PİC-PS, C,P° PI CİPePëC... PePsPSC†PµPSC,CḡP°C†C-Cİ PİCḡPsP»P°PeC,PëPSCı PSP° PİPsC†P°C,PeCı PrPsCİP»C-PrP¶PµPSPSCİ PIC-PrPİPsPIC-PrP°P»P° PSPsCḡPjC-. Pj P±C-P»CHC€PsCİC,C- PİP°C†C-C”PSC,C-PI C,P°PePµ PİC-PrPIPëC%oPµPSPSCİ P±CıP»Ps PİPsPjC-CḡPSPëPj C- P·P°P»PëC€P°P»PsCİCİ PI PjPµP¶P°C... P·PSP°C†PµPSCḡ, Cı PrPIP° CḡP°P·Pë PSPëP¶C†PëC... PIC-Pr PİPµCḡC...PSCḡPsPiPs CḡC-PIPSCİ PSPsCḡPjPë.

<sup>9</sup> PµPsP±C-C†PSC- CḡPµP°PeC†C-C— PİPëP·PSP°C†PµPSPs PI CḡPµP·CıP»CHC,P°C,C- PeP»C-PSC-C†PSPëC... PrPsCİP»C-PrP¶PµPSCḡ PI C-PSC,PµPİCḡPsPIP°PSC-PNë P±P°P·C- PrP°PSPëC... PsP»P°PSP·P°PİC-PSCı.

<sup>10</sup> PḡC†C-PSPeP° PİPëPjC-CḡCİPSPëC... P·PSP°C†PµPSCḡ PİPëP·PSP°C†PµPSP° PI CḡPµP·CıP»CHC,P°C,C- PeP»C-PSC-C†PSPëC... PrPsCİP»C-PrP¶PµPSCḡ PI C-PSC,PµPİCḡPsPIP°PSC-PNë P±P°P·C- PrP°PSPëC... PsP»P°PSP·P°PİC-PSCı.

<sup>11</sup> PμPsP±C-C±PSC- CḡPμP°PeC†C-C— PIPëP·PSP°C±PμPSPs P·C- CḡPīPsPSC,P°PSPSPëC...  
PīPsCḡC,PjP°CḡPePμC,PëPSPiPsPIPëC... P·PIC-C,C-PI P· PīPμCḡC-PsPrPëC±PSC-CḡC,Cḡ, C%Ps  
PICḡC,P°PSPsPIP»PμPSP° PSP° PsCḡPSPsPIC- C-PSC,PμPiCḡPsPIP°PSPsC— P±P°P·Pë  
PrP°PSPëC... PsP»P°PSP·P°PīC-PSCḡ.

<sup>12</sup> PμPsP±C-C±PSC- CḡPμP°PeC†C-C— PIPëP·PSP°C±PμPSPs P·C- CḡPīPsPSC,P°PSPSPëC...  
PīPsCḡC,PjP°CḡPePμC,PëPSPiPsPIPëC... P·PIC-C,C-PI P· PīPμCḡC-PsPrPëC±PSC-CḡC,Cḡ, C%Ps  
PsC†C-PSPμPSP° P· PIPëPePsCḡPëCḡC,P°PSPSCḡPj PrPsPIC-CḡC±PsPiPs C-PSC,PμCḡPIP°P»Cḡ PI  
PIPμCḡC...PSCḡPsPjCḡ P»C-PjC-C,C- PSPsCḡPjPë (95 %) PSP° PsCḡPSPsPIC-  
C-PSC,PμPiCḡPsPIP°PSPsC— P±P°P·Pë PrP°PSPëC... PsP»P°PSP·P°PīC-PSCḡ.

P'PīP»PëPI PīCḡPë PrPsPIPiPsC,CḡPëPIP°P»PsPjCḡ P·P°CḡC,PsCḡCḡPIP°PSPSC- (PSPμ  
PjPμPSC€Pμ 48 C,PëP¶PSC-PI). P'·C-PrCḡPsC,PsPe PīP°C†C-C"·PSC,C-PI, Cḡ CḡPePëC...  
PIC-PrP·PSP°C±P°P»PëCḡCḡ PīPsP±C-C±PSC- CḡPμP°PeC†C-C— Cḡ PIPëPiP»CḡPrC-  
PeP»C-PSC-C±PSPs CḡCḡC,C,C"·PIPsiPs PīC-PrPIPëC%PμPSPSCḡ PjP°CḡPë C,C-P»P°,  
P·PjC-PSPë CḡC-PIPSCḡ PīP»CḡPePsP·Pë, P·P°PīP°P»CḡPSPsPiPs  
C...PsP»PμCḡC,PμCḡPëPSCḡ/P·PμPḡP/P·PμP'P° P°P±Ps C,CḡPëPiP»C-C†PμCḡPëPrC-PI,  
PīPsCḡC,C-PMsPSPs P·P±C-P»CḡC€CḡPIP°PICḡCḡ. Pj PrPsCḡPsCḡP»PëC... PīP°C†C-C"·PSC,C-PI,  
CḡPeC- P·P°PeC-PSC±PëP»Pë 9-12-PjC-CḡCḡC±PSPëPMs PeCḡCḡCḡ C,PμCḡP°PīC-C—, C,PμPjPī  
PīC-PrPIPëC%PμPSPSCḡ CḡC-PIPSCḡ PīP»CḡPePsP·Pë PI PeCḡPsPIC- PSP°C,C%Pμ  
CḡPīPsPIC-P»CḡPSPëPICḡCḡ PīCḡPëP±P»PëP·PSPs PīC-CḡP»Cḡ 6 PjC-CḡCḡC†C-PI  
P»C-PeCḡPIP°PSPSCḡ.

PμPsP±C-C±PSC- PrC-C— PrP»Cḡ PsPeCḡPμPjPëC... PiCḡCḡPīP°C... PīP°C†C-C"·PSC,C-PI.  
Pj PīCḡPsC†PμCḡC- PeP»C-PSC-C±PSPëC... PrPsCḡP»C-PrP¶PμPSCḡ Cḡ  
PīP°C†C-C"·PSC,C-PI P»C-C,PSCḡPsPiPs PIC-PeCḡ P· PrPμPjPμPSC†C-C"·Cḡ  
C,PμCḡP°PīC-Cḡ PsP»P°PSP·P°PīC-PSPsPj P±CḡP»P° PīPsPiḡḡ™ CḡP·P°PSP° P·  
PīC-PrPIPëC%PμPSPëPj CḡC-PIPSPμPj P»PμC,P°P»CḡPSPëC... PIPëPīP°PrPeC-PI C,P°  
C†PμCḡPμP±CḡPsPIP°CḡPeCḡP»CḡCḡPSPëPjPë PīPsP±C-C±PSPëPjPë  
CḡPμP°PeC†C-CḡPjPë PīPsCḡC-PIPSCḡPSPs P· C,P°PePëPjPë Cḡ PiCḡCḡPīC-  
PīP»P°C†PμP±Ps (PrPëPI. CḡPsP·PrC-P» B«PhCḡPsP±P»PëPIPsCḡC,C-  
P·P°CḡC,PsCḡCḡPIP°PSPSCḡB»). P"·CḡP¶Pμ PīPsC€PëCḡPμPSPëPjPë  
PSPμP±P°P¶P°PSPëPjPë PμC,,PμPeC,P°PjPë, PīPsPiḡḡ™ CḡP·P°PSPëPj C-P·  
P·P°CḡC,PsCḡCḡPIP°PSPSCḡPj PsP»P°PSP·P°PīC-PSCḡ, Cḡ PrP°PSPsC— PiCḡCḡPīPë  
PīP°C†C-C"·PSC,C-PI P±CḡP»Pë PīPsCḡCḡC€PμPSPSCḡ C...PsPrPë C,P° PīP°PrC-PSPSCḡ.  
P§P°CḡC,Ps CḡPīPsCḡC,PμCḡC-PiP°P»P°CḡCḡ PīPSPμPIPjPsPSC-Cḡ,  
PīC-PrPIPëC%PμPSPSCḡ C,PμPjPīPμCḡP°C,CḡCḡPë C,C-P»P°, P»PμC,P°CḡPiC-Cḡ,  
PμCḡPëC,PμPjP°, P·PsCḡPsPIC- PīP°P»CḡC†PëPSP°C†C-C— C,P°  
PSPμC,CḡPëPjP°PSPSCḡ CḡPμC±C-.

Pj PīCḡPsC†PμCḡC- PeP»C-PSC-C±PSPëC... PrPsCḡP»C-PrP¶PμPSCḡ CḡPμCḡPμPr  
PīP°C†C-C"·PSC,C-PI P· PjPμPrPëPeP°PjPμPSC,PsP·PSPs C-PSPḡCḡPePsPIP°PSPëPj  
(P°PiPsPSC-CḡC, PrPsPīP°PjC-PSCḡ) PīCḡPëC...PsP·PsPj, PīPsPiḡḡ™ CḡP·P°PSPëPj C-P·  
C...PIPsCḡPsP±PsCḡ PμP°CḡPeC-PSCḡPsPSP°, PīPsPiC-CḡC€PμPSPSCḡ  
PīP°CḡPeC-PSCḡPsPSC-PICḡCḡPePsC— CḡPëPjPīC,PsPjP°C,PëPePë C,P°  
PīP°P»CḡC†PëPSP°C†C-C— PIC-PrP·PSP°C±P°P»PsCḡCḡ PrCḡP¶Pμ C±P°CḡC,Ps, C±P°CḡC,C-C€Pμ,  
PSC-P¶ Cḡ PiCḡCḡPīC- PīP»P°C†PμP±Ps.

Pj PīCḡPsC†PμCḡC- PsPrPSPsPiPs PeP»C-PSC-C±PSPsPiPs PrPsCḡP»C-PrP¶PμPSPSCḡ Cḡ  
PīP°C†C-C"·PSC,C-PI C-P· P±C-PīPsP»CḡCḡPSPsCḡ PjP°PSC-C"·Cḡ PI CḡPμP·CḡP»CḡC,P°C,C-

Pj C<sub>7</sub>H<sub>4</sub>Pu·CrP»CHC,P°C,C- P·P°CfC,PsCfCfPIP°PSPSCU PsP»P°PSP·P°PiC-PSCr P· P»C-C,C-C”Pj P°P±Ps PIP°P»CHPiC<sub>7</sub>H<sub>4</sub>PsP°C,PsPj CfPiPsCfC,PuCH<sub>3</sub>C-PiP°P»PëCfCU (≥10 %) C,C<sub>7</sub>H<sub>4</sub>PuPjPsC<sub>7</sub>H<sub>4</sub>, CfCfC...C-CfC,CH Cr C<sub>7</sub>H<sub>4</sub>PsC,C-, P·P±C-P»CHCεPuPSPSCU PjP°CfPë C,C-P»P°, PiC-PrPIPëC%PuPSPSCU P°PiPuC,PëC,Cf. PÿP°PePsP¶ PiPsPIC-PrPsPjP»CU P»PsCfCU PiC<sub>7</sub>H<sub>4</sub>Ps PiPsC<sub>7</sub>H<sub>4</sub>CrCεPuPSPSCU PjPsPIP»PuPSPSCU. PuC-Pr C±P°Cf C,PuCH<sub>3</sub>P°PiC-C— PsP»P°PSP·P°PiC-PSPsPj Cr PePsPjP±C-PSP°C†C-C— P· P»C-C,C-C”Pj P°P±Ps PrPëPIP°P»PiC<sub>7</sub>H<sub>4</sub>PsPuPeCfPsPj CfPiPsCfC,PuCH<sub>3</sub>C-PiP°P»PsCfCU P·P±C-P»CHCεPuPSPSCU PjP°CfPë C,C-P»P° ≥ 7 % PIC-Pr P†P<sub>H</sub>Pÿ Cr 17,4 % PiP°C†C-C”PSC,C-PI PiC-Pr C±P°Cf C-PSC,PuPSCfPëPIPSsC— C,PuCH<sub>3</sub>P°PiC-C— (PrPs 6 C,PëP¶PSC-PI). P”PsPIPiPsC,C<sub>7</sub>H<sub>4</sub>PëPIP°P»Pu P»C-PeCfPIP°PSPSCU PsP»P°PSP·P°PiC-PSPsPj (PrPs 12 C,PëP¶PSC-PI) PrP»CU PiPsPiPuC<sub>7</sub>H<sub>4</sub>PuPrP¶PuPSPSCU C<sub>7</sub>H<sub>4</sub>PuC†PëPrPëPIC-PI Cr PiP°C†C-C”PSC,C-PI C-P· P±C-PiPsP»CU C<sub>7</sub>H<sub>4</sub>PSPëPjPë C<sub>7</sub>H<sub>4</sub>PsP·P»P°PrP°PjPë P±CrP»Ps PiPsPIb<sub>7</sub>™ CU P·P°PSPs P· PiC-PrPIPëC%PuPSPSCUPj PjP°CfPë C,C-P»P° ≥ 7 % PIC-Pr P†P<sub>H</sub>Pÿ Cr 39,9 % PiP°C†C-C”PSC,C-PI.

PhP»P°PSP·P°PiC-PS PSPµ PīPsPeP°P·P°PSPëPN₂ PrP»CĬ P»C-PeCíPIP°PSPSCĬ PrC-C,PµPN₂ C,P°  
PiC-PrP»C-C,PeC-PI PIC-PePsPj PrPs 18 CĤPsPeC-PI. PᵗP»C-PSC-C‡PSPëC...  
PrPsCíP»C-PrP¶PµPSCĤ, CĬPeC- PīPsCĤC-PIPSCĤPIP°P»Pë P± P·P°CíC,PsCíCíPIP°PSPSCĬ  
PsP»P°PSP·P°PiC-PSCí Cí PiC-PrP»C-C,PeC-PI C,P° PrPsCĤPsCíP»PëC..., PSPµ  
PiCĤPsPIPpsPrPëP»Pë. PhPrPSP°Pe PrP°PSC- P· PrPsCíP»C-PrP¶PµPSCĤ P·P° CíC‡P°CíC,C-  
PiC-PrP»C-C,PeC-PI PīPsCĤC-PIPSCĤPIP°P»PëCíCĬ P· CĤPµP·CíP»CĤC,P°C,P°PjPë  
PrPsCíP»C-PrP¶PµPSCĤ P·P° CíC‡P°CíC,C- PrPsCĤPsCíP»PëC....

PJ PjPμP¶P°C... PePsP¶PSPsC— PiCḡCřPĩPë C‡P°CřC,PsC, PĩPsP±C-C‡PSC- CḡPμP°PeC‡C-C—  
PiCḡPμPrCřC,P°PIP»PμPSC- PI PĩPsCḡCḡPřPeCř P·PjPμPSC€PμPSPSCḡ  
CřPμCḡP№PsP·PSPsCřC,C-. P§P°CřC,PsC,Cř PĩPsP±C-C‡PSPëC... CḡPμP°PeC‡C-P№,  
P·P°P·PSP°C‡PμPSPëC... PSPëP¶C‡Pμ, PIPëP·PSP°C‡P°CḡC,Cḡ C,P°PePëPj C‡PëPSPsPj: PrCřP¶Pμ  
C‡P°CřC,Ps (≥ 1/10), C‡P°CřC,Ps (≥ 1/100 вґ“ < 1/10).

$$\begin{aligned} & \text{P}^{\circ}\text{CrP}\|\text{Pu C}\ddagger\text{P}^{\circ}\text{C}\dot{\Gamma}\text{C}, \text{Ps: P}\cdot\text{P}\pm\text{C}-\text{P}\gg\text{CH}_3\text{C}\epsilon\text{PuPSPSC}\| \text{PjP}^{\circ}\text{C}\dot{\Gamma}\text{P}\ddot{\epsilon} \text{C,C-P}\gg\text{P}^{\circ 13}, \text{PiC-PrPIP}\ddot{\epsilon}\text{C}\%_{00}\text{PuPSPSC}\| \\ & \text{C}\dot{\eta}\text{C-PIPSC}\| \text{C,C}\dot{\eta}\text{P}\ddot{\epsilon}\text{PiP}\gg\text{C-C}\ddagger\text{PuC}\dot{\eta}\text{P}\ddot{\epsilon}\text{PrC-PI}^{14}, \text{PiC-PrPIP}\ddot{\epsilon}\text{C}\%_{00}\text{PuPSPSC}\| \text{P}^{\circ}\text{PiPuC,P}\ddot{\epsilon}\text{C,Cr}. \end{aligned}$$

ПSP°CГC,Ps: PиC-PrPIPëC%PµPSPSCЦ CГC-PIPSCЦ C...PsP»PµCГC,PµCГPëPSCГ<sup>15</sup>.

P— P±PsPeCГ PSpµCГPIPsPIPsC— CГPëCГC,PµPjPë

P"CrP¶Pµ C±P°CГC,Ps: CГPµPrP°CГC-ЦЦ (CГ C,PsPjCГ C±PëCГP»C- PиC-PiPµCГCГPsPjPSC-ЦЦ, PjP»CЦPIC-CГC,CH, CГPsPSP»PëPIC-CГC,CH).

P— P±PsPeCГ C€P»CГPSPePsPIPs-PePëC€PePsPIPsPiPs C,CГP°PeC,CГ

ПSP°CГC,Ps: CГCГC...C-CГC,CH CГ CГPsC,C-.

P— P±PsPeCГ PiPµPiP°C,PsP±C-P»C-P°CГPSPSC— CГPëCГC,PµPjPë

P"CrP¶Pµ C±P°CГC,Ps: PиC-PrPIPëC%PµPSPSCЦ CГC-PIPSCЦ PiPµC±C-PSPePsPIPëC... C,CГP°PSCГP°PjC-PSP°P· (PhP»PhPÿ C,P° PhCГPhPÿ; PrPëPI. CГPsP·PrC-P» B«PhCГPsP±P»PëPIPsCГC,C- P·P°CГC,PsCГCГPIP°PSPSCЦB»).

P"PsCГP»C-PrP¶PµPSPSCЦ

P"CrP¶Pµ C±P°CГC,Ps: P·PSPëP¶PµPSPSCЦ CГC-PIPSCЦ P·P°PiP°P»CHPSPsPiPs P±C-P»C-CГCГP±C-PSCГ, PиC-PrPIPëC%PµPSPSCЦ CГC-PIPSCЦ PiP°PjPjP°PiP»CГC,P°PjC-P»C,CГP°PSCГC„PµCГP°P·Pë, PиC-PrPIPëC%PµPSPSCЦ CГC-PIPSCЦ PiCГPsP»P°PeC,PëPSCГ CГ PiP»P°P·PjC- PeCГPsPIC<sup>-16</sup>.

<sup>13</sup> PµC-CГP»CЦ PePsCГPsC,PePsC±P°CГPSPsPiPs P»C-PeCГPIP°PSPSCЦ (CГPµCГPµPrPSCЦ C,CГPëPIP°P»C-CГC,CH CГC,P°PSPsPIPëP»P° 22 PrPSC-) P·P±C-P»CHC€PµPSPSCЦ PjP°CГPë C,C-P»P° PSP° ≥ 7 % CГPiPsCГC,PµCГC-PiP°P»PsCГCЦ PrCГP¶Pµ C±P°CГC,Ps (40,6 % PIPëPiP°PrPeC-PI), PSP° ≥ 15 % CГPiPsCГC,PµCГC-PiP°P»PsCГCЦ C±P°CГC,Ps (7,1 % PIPëPiP°PrPeC-PI) C,P° PSP° ≥ 25 % CГPiPsCГC,PµCГC-PiP°P»PsCГCЦ CГ 2,5 % PIPëPiP°PrPeC-PI. PµC-Pr C±P°CГ PrPsPIPiPsC,CГPëPIP°P»PsPiPs P»C-PeCГPIP°PSPSCЦ (PSPµ PjPµPSC€Pµ 24 C,PëP¶PSC-PI) CГ 89,4 % PiP°CГC-C"PSC,C-PI CГPiPsCГC,PµCГC-PiP°P»PsCГCЦ P·P±C-P»CHC€PµPSPSCЦ PjP°CГPë C,C-P»P° PSP° ≥ 7 %, CГ 55,3 % BГ" PSP° ≥ 15 % C,P° CГ 29,1 % BГ" PSP° ≥ 25 %.

<sup>14</sup> PÿPiPsCГC,PµCГC-PiP°P»PsCГCЦ CГ PiP°CГC-C"PSC,C-PI P·PSPsCГPjP°P»CHPSPëPj PiPsC±P°C,PePsPIPëPj CГC-PIPSPµPj PSP°C,C%Pµ (< 1,016 PjPjPsP»CH/P»), CЦPePëPµ PиC-PrPIPëC%CГPIP°PICГCЦ PrPs PIPëCГPsPePsPiPs (≥ 1,467 PjPjPsP»CH/P»), C,P° CГC-P·PePµ PиC-PrPIPëC%PµPSPSCЦ CГC-PIPSCЦ C,CГPëPiP»C-CГPµCГPëPrC-PI PSP°C,C%Pµ P·PiPsC±P°C,PePsPIPsPiPs CГC-PIPSCЦ (≥ 1,016 BГ" < 1,467 PjPjPsP»CH/P») PrPs PIPëCГPsPePsPiPs CГC-PIPSCЦ (≥ 1,467 PjPjPsP»CH/P»).

<sup>15</sup> ПSP°CГC,Ps CГPiPsCГC,PµCГC-PiP°P»PëCГCЦ P·PjC-PSPë P·P°PiP°P»CHPSPsPiPs CГC-PIPSCЦ C...PsP»PµCГC,PµCГPëPSCГ PSP°C,C%Pµ PIC-Pr PiPsC±P°C,PePsPIPsPiPs PSPsCГPjP°P»CHPSPsPiPs CГC-PIPSCЦ (< 4,39 PjPjPsP»CH/P») PrPs PIPëCГPsPePsPiPs (≥ 5,17 PjPjPsP»CH/P»). P"CrP¶Pµ C±P°CГC,Ps PiPsPIC-PrPsPjP»CЦP»Pë PiCГPs CГC-P·PePµ PиC-PrPIPëC%PµPSPSCЦ CГC-PIPSCЦ P·P°PiP°P»CHPSPsPiPs C...PsP»PµCГC,PµCГPëPSCГ PSP°C,C%Pµ P·PiPsC±P°C,PePsPIPsPiPs CГC-PIPSCЦ (≥ 4,39 BГ" < 5,17 PjPjPsP»CH/P») PrPs PIPëCГPsPePsPiPs CГC-PIPSCЦ (≥ 5,17 PjPjPsP»CH/P»).

<sup>16</sup> PJ 47,4 % PиC-PrP»C-C,PeC-PI CГPiPsCГC,PµCГC-PiP°P»PsCГCЦ PиC-PrPIPëC%PµPSPSCЦ CГC-PIPSCЦ PiCГPsP»P°PeC,PëPSCГ CГ PiP»P°P·PjC- PeCГPsPIC-.

PµPsPIC-PrPsPjP»PµPSPSCЦ PiCГPs PiPsP±C-C±PSC- CГPµP°PeCГC-C— PиC-CГP»CЦ

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