

P† Pќ PŸ Pŷ P PJ Pљ P! P† Pİ

**PrP»Cİ PjPµPrPëC‡PSPsPiPs P·P°CÍC,PsCÍCfPIP°PSPSCİ P»C-PeP°CĤCÍCHPePsPiPs
P·P°CÍPsP±CÍ**

P—PhP>PĥPαP P•Pќ

B (ZOLAFREN)

PŸPeP»P°Pr:

*PrC-CHC‡P° CĤPµC‡PsPIPëPSP°: 1 C,P°P±P»PµC,PeP° PjC-CÍC,PëC,CH 5 PjPi P°P±Ps 10 PjPi
PsP»P°PSP·P°PiC-PSCÍ;*

*PrPsPiPsPjC-P¶PSC- CĤPµC‡PsPIPëPSPë: P»P°PeC,PsP·Pë PjPsPSPsPiC-PrCĤP°C,,
C†PµP»CĤP»PsP·P° PjC-PeCĤPsPeCĤPëCÍC,P°P»C-C‡PSP°, PSP°C,CĤC-CĤ
PeCĤPsC...PjP°P»CHPiP»C-PePsP»CİC, (C,PëPİ Ph), PjP°PiPSC-CĤ CÍC,PµP°CĤP°C,,
PsP±PsP»PsPSPeP°: PiC-PrCĤPsPeCÍPëPİCĤPsPiC-P»PjPµC,PëP»C†PµP»CĤP»PsP·P°
(PiC-PiCĤPsPjPµP»PsP·P°), PiPsP»C-PµC,PëP»PµPSPiP»C-PePsP»CH (PhP°PeCĤPsPiPsP») 400,
P±P°CĤPIPSPëPe Yellow No.6 Al-Lake (P• 110), C,PëC,P°PSCÍ PrC-PsPeCÍPëPr (P• 171),
P·P°P»C-P·P° PsPeCÍPëPr P¶PsPIC,PëPNë (P• 172), P»P°PeC,PsP·Pë PjPsPSPsPiC-PrCĤP°C,.*

P»C-PeP°CĤCÍCHPeP° C,,PsCĤPjP°. PŷP°P±P»PµC,PePë, PIPeCĤPëC,C- PsP±PsP»PsPSPePsCH.

*PhCÍPSPsPIpsc- C,,C-P·PëPePs-C...C-PjC-C‡PSC- PIP»P°CÍC,PëPIPsCÍC,C-: C,P°P±P»PµC,PePë
PiPs 5 PjPi: C,P°P±P»PµC,PePë P±PµP¶PµPIPsPiPs PePsP»CHPsCĤCÍ, PIPeCĤPëC,C-
PsP±PsP»PsPSPePsCH, PrPIPsPsPiCÍPeP»C-, P· CĤPsP·PiPsPrC-P»CHC‡PsCH CĤPëCÍPePsCH P·
PsPrPSPsPiPs P±PsPeCÍ, PrC-P°PjPµC,CĤPsPj 7 PjPj;*

*C,P°P±P»PµC,PePë PiPs 10 PjPi: C,P°P±P»PµC,PePë P±PµP¶PµPIPsPiPs PePsP»CHPsCĤCÍ,
PIPeCĤPëC,C- PsP±PsP»PsPSPePsCH, PrPIPsPsPiCÍPeP»C-, PrC-P°PjPµC,CĤPsPj 7 PjPj.*

PαP°CĤPjP°PePsC,PµCĤP°PiPµPIC,PëC‡PSP° PiCĤCÍPiP°.

PĥPSC,PëPiCÍPëC...PsC,PëC‡PSC- P·P°CÍPsP±Pë. PљPsPr PĥPŷPT N05A H03.B

PαP°CĤPjP°PePsP»PsPiC-C‡PSC- PIP»P°CÍC,PëPIPsCÍC,C-.

PαP°CĤPjP°PePsPrPëPSP°PjC-PeP°.

*PhP»P°PSP·P°PiC-PS C" P°PSC,PëPiCÍPëC...PsC,PëC‡PSPëPj,
P°PSC,PëPjP°PSC-P°PeP°P»CHPSPëPj P»C-PeP°CĤCÍCHPePëPj P·P°CÍPsP±PsPj, CİPePëPNë
CÍC,P°P±C-P»C-P·CÍC" PSP°CÍC,CĤC-PNë, C-P· CëPëCĤPsPePëPj CÍPiPµPeC,CĤPsPj
C,,P°CĤPjP°PePsP»PsPiC-C‡PSPsC— PrC-C—, P·CÍPjPsPIP»PµPSPsC— PIPiP»PëPIPsPj PSP°*

C₇H₅C-P-PSC- C₇H₅C₄P₄PiC,PsC₇H₅Pë. P'PëC₄PIP»P₄PSPs P-PIB₇TM C₄IP-C₄PIP°PSPSC₄ P-
 C₄P₄C₇H₅PsC,PsPSC-PSPsPIPëPjPë C₇H₅C₄P₄PiC,PsC₇H₅P°PjPë 5 P₄K₇ÿ_{2P₃/2P₅}, 5 P₄K₇ÿ₃, 5 P₄K₇ÿ₆,
 PrPsP₄P°PjC-PSPsPIPëPjPë C₇H₅C₄P₄PiC,PsC₇H₅P°PjPë D₁, D₂, D₃, D₄, D₅,
 PjC₄C₄P°P°C₇H₅PëPSPsPIPëPjPë C₇H₅C₄P₄PiC,PsC₇H₅P°PjPë P₇H₁B₇“P₇H₅,
 P°PrC₇H₅P₄PSP₄C₇H₅PiC-C₄PSPëPj C₇H₅C₄P₄PiC,PsC₇H₅PsPj a₁ C- PiC-C₄C,P°PjC-PSPsPIPëPj P₄K₁-
 C₇H₅C₄P₄PiC,PsC₇H₅PsPj. Pj C...PsPrC- PrPsC₄P»C-PrP₄PI₄PSCH₄ PiPsPIP₄PrC-PSPePë
 C,PIP°C₇H₅PëPS, C₄IPePëPj PIPiPsPrPëP»Pë PsP»P°PSP·P°PiC-PS, PIPëC₄PIP»P₄PSPs
 P°PSC,P°PiPsPSC-P·Pj PsP»P°PSP·P°PiC-PSC₄ C₄IPe PrPs C₄P₄C₇H₅PsC,PsPSC-PSPsPIPëC...
 C₇H₅C₄P₄PiC,PsC₇H₅C-PI 5P₄K₇ÿ, C,P°Pe C- PrPs PrPsP₄P°PjC-PSPsPIPëC... C,P°
 C...PsP»C-PSP₄C₇H₅PiC-C₄PSPëC... PhP»P°PSP·P°PiC-PS PjP°C” PIPëC%PëPN₄ C₇H₅C-PI₄PSCH₄
 P-PIB₇TM C₄IP-C₄PIP°PSPSC₄ P- C₇H₅C₄P₄PiC,PsC₇H₅P°PjPë C₄P₄C₇H₅PsC,PsPSC-PSC₄ 5P₄K₇ÿ₂,
 PSC-P₄ P- C₇H₅C₄P₄PiC,PsC₇H₅P°PjPë PrPsP₄P°PjC-PSC₄ D₂, C₄ PjPsPrP₄P»C₄IC... C₄IPe *in vitro*,
 C,P°Pe C- *in vivo*. P·P»P₄PeC,C₇H₅PsC,,C-P·C-PsP»PsPiC-C₄PSC- PrPsC₄P»C-PrP₄PI₄PSPSC₄
 PiPsPeP°P·P°P»Pë, C%Ps PsP»P°PSP·P°PiC-PS C₄P₄P»P₄PeC,PëPIPSs P·PjP₄PSC€C₄C”
 P·P±C₄PrP»PëPIC-C₄C,CH PjP₄P·PsP»C-PjP±C-C₄PSPëC... (P₇10)
 PrPsP₄P°PjC-PSP₄C₇H₅PiC-C₄PSPëC... PSP₄PN₄C₇H₅PsPSC-PI, PiC₇H₅PsC₄PIP»C₄IC₄C₄Pë PiC₇H₅Pë
 C₄CH₄PsPjC₄ PSP₄P·PSP°C₄PSPëPN₄ PIPiP»PëPI PSP° C₄C,C₇H₅C-P°C₇H₅PSC- (P₇9) C€P»C₄IC...Pë,
 PiPsPIB₇TM C₄IP·P°PSC- P· PjPsC,PsC₇H₅PSPsC₇ C,,C₄PSPeC₄C-C”C₇H. PhP»P°PSP·P°PiC-PS
 PiP°P»CH₄PjC₄C” C₄PjPsPIPSëPN₄ C₇H₅P₄C,,P»P₄PeC₄ C₄PSPëPePSP₄PSPSC₄, C%Ps
 C₄PIC-PrC₄PëC,CH PiC₇H₅Ps PN₄PsPiPs P°PSC,PëPiC₄PëC...PsC,PëC₄PSC₄ P°PeC,PëPIPS- C₄C,CH
 PiC₇H₅Pë PiC₇H₅PëPN₄PsPjC- PI PrPsP·P°C..., PjP₄PSC€PëC..., PSC-P₄ PrPsP·Pë, C%Ps
 C₄PiC₇H₅PëC₄PëPSC₄IC₄C,CH PeP°C,P°P»P₄PiC₄C-C₇H, C₄IPeP° C” PsP·PSP°PePsC₇
 PiPsP±C-C₄PSPëC... PjPsC,PsC₇H₅PSPëC... P₄C,,P₄PeC,C-PI. P₄K° PIC-PrPjC-PSC₄ PIC-Pr
 PrP₄C₄IPePëC... C-PSC€PëC... P°PSC,PëPiC₄PëC...PsC,PëC₄PSPëC... P»C-PeP°C₇C₄CH₄PePëC...
 P·P°C₄PSP±C-PI, PsP»P°PSP·P°PiC-PS PiPsC₄PëP»C₇H” C₇H₅P₄P°PeC₄C-C— PSP°
 PiPsPrC₇H₅P°P·PSPëPePë PiC₇H₅Pë PiC₇H₅PIP₄PrP₄PSPSC- P°PSPeC₄C-PsP»C-C,PëC₄PSPsPiPs
 C,P₄C₄C,C₄.

P₄C₇H₅Pë PsPrPSPsC₇H₅P°P·PsPIP₄PjC₄ PiC₇H₅PëPN₄PsPjC- 10 PjPi PsP»P°PSP·P°PiC-PSC₄ C₄
 C...PsPrC- PiPsP·PëC,C₇H₅PsPSPSPs-P₄PjC-C₄C-PN₄PSPsC— C,PsPjPsPiC₇H₅P°C,,C-C— (P₄P·P₇) P·P°
 C₄C₄P°C₄C,C₇H PrPsP±C₇H₅PIP₄P»CH₄C₄C-PI P·B₇TM C₄IC₄P₄PIP°PSPs, C%Ps
 PsP»P°PSP·P°PiC-PS PjP°PI P±C-P»CH₄C€PëPN₄ C₇H₅C-PI₄PSCH₄ P-PIB₇TM C₄IP-C₄PIP°PSPSC₄ P-
 C₇H₅C₄P₄PiC,PsC₇H₅P°PjPë 5 P₄K₇ÿ_{2P₃}, PSC-P₄ P- PrPsP₄P°PjC-PSPsPIPëPjPë
 C₇H₅C₄P₄PiC,PsC₇H₅P°PjPë D₂. P₇C₇H₅C-Pj C,PsPiPs, C₄ C₇H₅P₄P·C₄P»CH₄C,P°C,C- P°PSP°P»C-P·C₄
 P·PsP±C₇H₅P°P₄PI₄PSCH₄, PsC,C₇H₅PëPjP°PSPëC... PiC-Pr C₄P°C₄ PrPsC₄P»C-PrP₄PI₄PSCH₄
 PiP°C₄C-C”PSC,C-PI, C...PIP₄C₇H₅PëC... PSP° C€PëP·PsC,,C₇H₅P₄PS-CH₄, PjP₄C,PsPrPsPj
 PsPrPSPsC,,PsC,PsPSPSPsC— P₄PjC-C₄C-PN₄PSPsC— PePsPjPiB₇TM C₇H,C,P₄C₇H₅PSPsC—
 C,PsPjPsPiC₇H₅P°C,,C-C— (PhP₄P·P₇P₇), P·B₇TM C₄IC₄C₄PIP°P»PsC₄C₄, C%Ps C₄
 PiP°C₄C-C”PSC,C-PI, C₄C₄C,P»PëPIPëC... PrPs PsP»P°PSP·P°PiC-PSC₄, PjP₄PSC€PëPN₄
 C₇H₅C-PI₄PSCH₄ P-PIB₇TM C₄IP-C₄PIP°PSPSC₄ P·C- C₄C,C₇H₅C-P°C₇H₅PSPëPjPë D₂-
 C₇H₅C₄P₄PiC,PsC₇H₅P°PjPë, PSC-P₄ C₄ C-PSC€PëC... C₄C₄C,P»PëPIPëC... PrPs
 P°PSC,PëPiC₄PëC...PsC,PëPeC-PI C,P° C₇H₅P₄C₄PiC-C₇H₅PëPrPsPSC₄ PiP°C₄C-C”PSC,C-PI,
 C₄IPePëPN₄ PiPsC₇H₅C-PIPS₄IPSPSPëPN₄ P· C,P°PePëPj C₄ PiP°C₄C-C”PSC,C-PI,
 C₄C₄C,P»PëPIPëC... PrPs PeP»PsP·P°PiC-PSC₄.

P₇P»C-PSC-C₄PSP° P₄C,,P₄PeC,PëPIPS- C₄C,CH.

Pj PrPIPsC... C-P· PrPIPsC... PiP»P°C₄P₄P±Ps-PePsPSC,C₇H₅PsP»CH₄PsPIP°PSPëC... C- PrPIPsC...
 C-P· C,C₇H₅CH₄PsC... PiPsC₇H₅C-PIPS₄IP»CH₄PSPs-PePsPSC,C₇H₅PsP»CH₄PsPIP°PSPëC...
 PrPsC₄P»C-PrP₄PI₄PSCH₄ P· C₄C₄P°C₄C,C₇H PiPsPSP°Pr 2900 C...PIP₄C₇H₅PëC... PSP°
 C€PëP·PsC,,C₇H₅P₄PS-CH₄ P· PiPsP·PëC,PëPIPSëPjPë C- PSP₄PiP°C,PëPIPSëPjPë

Pj C...PsPrC- PSp°CíC,CrPíPSPsPiPs 12-PjC-ClCíCíC†PSPsPiPs PrPsCíP»C-PrP¶PµPSPSCíCí
PiCíPSPsC,,C-P»P°PeC,PëPePë CíPµC†PëPrPëPIC-PI PjP°PSC-P°PeP°P»CHpSPëC...
PµPiC-P·PsPrC-PI Cr PíP°C†C-C''PSC,C-PI, CíPeC- PrPsCíCíPiP»Pë CíPµPjC-ClC-C— Cr
CíPµP·CrP»CHC,P°C,C- ClCíPiCíC,PSCHpSPsPiPs P»C-PeCíPIP°PSPSCíCí PsP»P°PSP·P°PiC-PSPsPj
C,P° P»C-C,C-C''Pj C- P·PiPsPrPsPj P±CíP»Pë CíP°PSPPrPsPjC-P·PsPIP°PSC- Cr PiCíCíPíPë
PiCíPëPµPsPjCr PsP»P°PSP·P°PiC-PSCí P°P±Ps P»C-C,C-Cí PsPeCíPµPjPs, PsP»P°PSP·P°PiC-PS
PSPµ PjP°PI ClC,P°C,PëClC,PëC†PSPs P·PSP°C†CíC%oPsC— PiPµCíPµPIP°PiPë PSP°Pr
P»C-C,C-C''Pj Cr PeC-PSC†PµPIC-PNë C,PsC†C†C- PeCíPëC,PµCíC-Cí PsC†C-PSPePë

$\text{P}_{\mu}\text{C}\tilde{\text{H}}\text{P}_{\mu}\text{P}\text{P}^{\circ}\text{C}\tilde{\text{H}}\text{P}^{\circ}\text{C}$, $\text{P}\text{r}\text{P}\text{sP}\pm\text{C}\tilde{\text{H}}\text{P}_{\mu}$ $\text{P}\text{I}\text{C}\acute{\text{I}}\text{P}\text{jP}\text{sP}\text{eC},\text{C}\acute{\text{r}}\text{C}^{\prime\prime}\text{C},\text{C}\tilde{\text{H}}\text{C}\acute{\text{I}}\text{C}\text{I}\text{I}$ $\text{P}\text{i}\text{C}-\text{C}\acute{\text{I}}\text{P}\gg\text{C}\text{I}\text{I}$
 $\text{P}\text{iP}_{\mu}\text{C}\tilde{\text{H}}\text{P}\text{sC}\tilde{\text{H}}\text{P}^{\circ}\text{P}\gg\text{C}\tilde{\text{H}}\text{P}\text{S}\text{P}\text{sP}\text{iP}\text{s}$ $\text{P}\text{i}\text{C}\tilde{\text{H}}\text{P}\ddot{\text{e}}\text{P}\text{N}_{\text{e}}\text{P}\text{sP}\text{jC}\acute{\text{r}}$, C_{max} $\text{P}\text{N}_{\text{e}}\text{P}\text{sP}\text{iP}\text{s}$ $\text{C}\acute{\text{r}}$ $\text{P}\text{iP}\gg\text{P}^{\circ}\text{P}\cdot\text{P}\text{jC}-$ $\text{P}\text{eC}\tilde{\text{H}}\text{P}\text{sP}\text{I}\text{C}-$
 $\text{P}\text{r}\text{P}\text{sC}\acute{\text{I}}\text{C}\text{I}\text{I}\text{P}\text{iP}^{\circ}\text{C}^{\prime\prime}\text{C},\text{C}\tilde{\text{H}}\text{C}\acute{\text{I}}\text{C}\text{I}\text{I}$ $\text{C}\ddagger\text{P}_{\mu}\text{C}\tilde{\text{H}}\text{P}_{\mu}\text{P}\cdot$ $5\text{b}\tilde{\text{H}}^{\prime\prime}8$ $\text{P}\text{iP}\text{sP}\text{rP}\ddot{\text{e}}\text{P}\text{S}$. $\text{P}\acute{\text{K}}\text{P}^{\circ}$ $\text{P}\text{I}\text{C}\acute{\text{I}}\text{P}\text{jP}\text{sP}\text{eC},\text{C}\acute{\text{r}}\text{P}\text{I}\text{P}^{\circ}\text{P}\text{S}\text{P}\text{S}\text{C}\text{I}\text{I}$
 $\text{P}\text{sP}\gg\text{P}^{\circ}\text{P}\text{S}\text{P}\cdot\text{P}^{\circ}\text{P}\text{i}\text{C}-\text{P}\text{S}\text{C}\acute{\text{r}}$ $\text{P}\text{i}\text{C}\tilde{\text{H}}\text{P}\ddot{\text{e}}\text{P}\text{N}_{\text{e}}\text{P}\text{sP}\text{j}$ $\text{C}-\text{P}\P\text{I}\text{C}-$ $\text{P}\text{S}\text{P}_{\mu}$ $\text{P}\text{I}\text{P}\text{iP}\gg\text{P}\ddot{\text{e}}\text{P}\text{I}\text{P}^{\circ}\text{C}^{\prime\prime}$. $\text{P}\tilde{\text{h}}\text{P}\pm\text{C}\acute{\text{I}}\text{P}\text{sP}\gg\text{C}\tilde{\text{H}}\text{C},\text{P}\text{S}\text{P}^{\circ}$
 $\text{P}\pm\text{C}-\text{P}\text{sP}\text{rP}\text{sC}\acute{\text{I}}\text{C},\text{C}\acute{\text{r}}\text{P}\text{iP}\text{S}\text{C}-\text{C}\acute{\text{I}}\text{C},\text{C}\tilde{\text{H}}$ $\text{P}\text{sP}\gg\text{P}^{\circ}\text{P}\text{S}\text{P}\cdot\text{P}^{\circ}\text{P}\text{i}\text{C}-\text{P}\text{S}\text{C}\acute{\text{r}}$ $\text{P}\text{i}\text{C}\tilde{\text{H}}\text{P}\ddot{\text{e}}$ $\text{P}\text{iP}_{\mu}\text{C}\tilde{\text{H}}\text{P}\text{sC}\tilde{\text{H}}\text{P}^{\circ}\text{P}\gg\text{C}\tilde{\text{H}}\text{P}\text{S}\text{P}\text{sP}\text{jC}\acute{\text{r}}$
 $\text{P}\cdot\text{P}^{\circ}\text{C}\acute{\text{I}}\text{C},\text{P}\text{sC}\acute{\text{I}}\text{C}\acute{\text{r}}\text{P}\text{I}\text{P}^{\circ}\text{P}\text{S}\text{P}\text{S}\text{C}-$ $\text{P}\text{iP}\text{sC}\tilde{\text{H}}\text{C}-\text{P}\text{I}\text{P}\text{S}\text{C}\text{I}\text{I}\text{P}\text{S}\text{P}\text{s}$ $\text{C}-\text{P}\cdot$ $\text{P}\text{I}\text{P}\text{S}\text{C}\acute{\text{r}}\text{C},\text{C}\tilde{\text{H}}\text{C}-\text{C}\text{E}\text{P}\text{S}\text{C}\tilde{\text{H}}\text{P}\text{sP}\text{I}\text{P}_{\mu}\text{P}\text{S}\text{P}\text{S}\text{P}\ddot{\text{e}}\text{P}\text{j}$
 $\text{P}\text{S}\text{P}_{\mu}$ $\text{P}\text{I}\text{C}\acute{\text{I}}\text{C},\text{P}^{\circ}\text{P}\text{S}\text{P}\text{sP}\text{I}\text{P}\gg\text{P}_{\mu}\text{P}\text{S}\text{P}^{\circ}$.

P PsP·PiPsPrC-P».

P C-PIPμPSCb P·PiBTM CΠP·CfPIP°PSPSCΠ PsP»P°PSP·P°PiC-PSCr P· PiC₇PsC,PμC—PSP°PjPë
PiP»P°P·PjPë PeC₇PsPIC- C₇C,P°PSPsPIPëPI PiC₇PëP±P»PëP·PSPs 93 % PiC₇Pë
PePsPSC+PμPSC,C₇P°C+C— Cr PjPμP[¶]P°C... PIC-Pr 7 PSPI/PjP» PrPs 1000 PSPI/PjP».
PhP»P°PSP·P°PiC-PS P·PiBTM CΠP·CfC”C,CbC₇CΠ PiPμC₇PμPIP°P[¶]PSPs P·
P°P»C₇P±CfPjC-PSPsPj C- a₁-PePëC₇P»PëPj PiP»C-PePsPiC₇PsC,PμC—PSPsPj.

P’C-PSc,C₇P°PSC₇C,,PsC₇PjP°C+C-Cl.

PhP»P°PSP·P°PiC-PS PjPμC,P°P±PsP»C-P·CfC”C,CbC₇CΠ Cr PiPμC+C-PSC+C- CëP»C₇C...PsPj
PePsPSbTM C₇PiP°C+C— C- PsPePëC₇PSPμPSPSCΠ. PhC₇PSPsPIPSPëPj
PjPμC,P°P±PsP»C-C,PSPj, C%Ps C₇PëC₇PeC₇P»C₇C”, C” 10-N-PiP»C₇PeC₇PsPSC-Pr,
CΠPePëPN₆ PSPμ PiC₇PsC...PsPrPëC,Cb PeC₇C-P·Cb PiPμPjP°C,PSPμPSC+PμC,,P°P»C-C±PSPëPN₆
P±P°C₇bTM C”C₇. PiPëC,PsC...C₇PsPjPë P450-CYP1A2 C- P450-CYP2D6 C₇PiC₇PëC₇C₇C,Cb
C,,PsC₇PjCfPIP°PSPSC₇ PjPμC,P°P±PsP»C-C,C-PI N-PrPμP·PjPμC,PëP»C₇ C- 2-
PiC-PrC₇PsPeC₇PëPjPμC,PëP»C₇, CΠPeC- PiC₇PsCΠIP»CΠP»Pë P·PSP°C±PSPs PjPμPSCëC₇
C,,P°C₇PjP°PePsP»PsPiC-C±PSC₇ P°PeC,PëPIPSC-C₇C,Cb *in vivo*, PSC-P[¶] PsP»P°PSP·P°PiC-PS,
C₇ C...PsPrC- PrPsC₇P»C-PrP[¶]PμPSCb PSP° C,PIP°C₇PëPSP°C.... PhC₇PSPsPIPSP°
C,,P°C₇PjP°PePsP»PsPiC-C±PSP° P°PeC,PëPIPSC-C₇C,Cb P·CfPjPsPIP»PμPSP°
PiPμC₇PIPëPSPSPëPj PsP»P°PSP·P°PiC-PSPsPj.

P’PëPIPμPrPμPSPSCΠ.

PμC-C₇P»CΠ PiPμC₇PsC₇P°P»C₇PsPsPiPs P·P°C₇C,PsC₇C₇PIP°PSPSCΠ C₇PμC₇PμPrPSC-PN₆
PiPμC₇C-PsPr PSP°PiC-PIIPëPIPμPrPμPSPSCΠ PsP»P°PSP·P°PiC-PSC₇ Cr
PrPsP±C₇PsPIPsP»C₇C+C-PI PePsP»PëPIP°PIC₇CΠ P·P°P»PμP[¶]PSPs PIC-Pr PIC-PeC₇ C,P°
C₇C,P°C,C-.

Pj P·PrPsC₇PsPIPëC... PrPsP±C₇PsPIPsP»C₇C+C-PI P»C-C,PSChPsPiPs PIC-PeC₇ (PIC-Pr 65
C₇PsPeC-PI) PiPsC₇C-PIPSCΠPSPs P· PjPsP»PsPrCëPëPjPë P·P° PIC-PePsPj
PrPsP±C₇PsPIPsP»C₇C+CΠPjPë C₇PμC₇PμPrPSC-PN₆ PiPμC₇C-PsPr
PSP°PiC-PIIPëPIPμPrPμPSPSCΠ P±C₇PI C,C₇PëPIP°P»C-CëPëPN₆ (51,8 PiC₇PsC,Pë 33,8
PiPsPrPëPSPë), PeP»C-C₇PμPSC₇ Cr PiP»P°P·PjC- P±C₇PI P·PSPëP[¶]PμPSPëPN₆ (17,5 PiC₇PsC,Pë
18,2 P»/PiPsPr). PαP°C₇PjP°PePsPeC-PSPμC,PëC±PSC- PePsP»PëPIP°PSPSCΠ, C%Ps
C₇PiPsC₇C,PμC₇C-PiP°P»PëC₇C₇ Cr PrPsP±C₇PsPIPsP»C₇C+C-PI P»C-C,PSChPsPiPs
PIC-PeC₇, P·PSP°C...PsPrC₇C,CbC₇C₇ Cr PjPμP[¶]P°C... PrC-P°PiP°P·PsPSC₇ PjPsP»PsPrCëPëC...
PrPsP±C₇PsPIPsP»C₇C+C-PI. Pj 44 C...PIPsC₇PëC... PSP° CëPëP·PsC,,C₇PμPSC-C₇ PIC-PePsPj >
65 C₇PsPeC-PI PrPsP·CfPIP°PSPSCΠ PIC-Pr 5 PrPs 20 PjPi/PrPsP±C₇ PSPμ P±C₇P»Ps
PiPsPiBTM CΠP·P°PSPs P· P[¶]PsPrPSPëPj C...P°C₇P°PeC,PμC₇PSPëPj PiC₇PsC,,C-P»PμPj
PSPμP±P°P[¶]P°PSPëC... CΠIPëC%.

Pj P[¶]C-PSPsPe PiPsC₇C-PIPSCΠPSPs P· C±PsP»PsPIC-PeP°PjPë C₇PμC₇PμPrPSC-PN₆
PiPμC₇C-PsPr PSP°PiC-PIIPëPIPμPrPμPSPSCΠ P±C₇PI C,C₇PëPIP°P»C-CëPëPN₆ (36,7
PiC₇PsC,Pë 32,3 PiPsPrPëPSPë), P° PeP»C-C₇PμPSC₇ Cr PiP»P°P·PjC- P±C₇PI
P·PSPëP[¶]PμPSPëPN₆ (18,9 PiC₇PsC,Pë 27,3 P»/PiPsPr). PhPrPSP°Pe PiC₇PsC,,C-P»C₇
P±PμP·PiPμPePë PsP»P°PSP·P°PiC-PSC₇ (5b₇“20 PjPi) P±C₇PI PiPsC₇C-PIPSCΠPSPSPëPN₆ Cr
P[¶]C-PSPsPe (N = 467) C- Cr C±PsP»PsPIC-PeC-PI (N = 869).

PμP°C+C-C”PSC,Pë P· PSPëC₇PePsPIPsC₇ PSPμPrPsC₇C,P°C,PSC-C₇C,C₇.

Pj PiP°C+C-C”PSC,C-PI P· PSPëC₇PePsPIPsC₇ PSPμPrPsC₇C,P°C,PSC-C₇C,C₇ (PeP»C-C₇PμPSC₇

PeC₇P_μP°C, PēPSC-PSCr < 10 PjP»/C...PI) PīPsC₇C-PIPSC₇PSPs P·C- P·PrPsC₇PsPIPēPjPē
PrPsP±C₇PsPSPsP»CHC†C₇PjPē PSPμ P±C₇P»Ps C-C₇C, PsC, PSPsC— C₇C-P·PSPēC†C- Cr
PīPsPeP°P·PSPēPeP°C... C₇PμC₇PμPrPSC₇HPsPiPs PīPμC₇C-PsPrCr
PSP°PīC-PIPIPēPIPμPrPμPSPSC₇ (37,7 PīC₇PsC, Pē 32,4 PiPsPrPēPSPē) P°P±Ps
PeP»C-C₇PμPSC₇Cr Cr PīP»P°P·PjC- PeC₇PsPIC- (21,2 PīC₇PsC, Pē 25,0 P»/PiPsPr).
P°PSC₇P»C-PrP₇μPSPSC₇ PīPsPeP°P·P°P»Pē, C%Ps PīC₇PēP±P»PēP·PSPs 57 %
PsP»P°PSP·P°PīC-PSCr P· C₇P°PrC-PsP°PeC, PēPIPSPsC₇ PjC-C, PePsC₇ PīC₇PēC₇CrC, PSC- PI
C₇PμC†C-, PiPsP»PsPIPSPēPj C†PēPSPsPj Cr PIPēPiP»C₇PrC- PjPμC, P°P±PsP»C-C, C-PI.

PμPsC₇CrCēPμPSPSC₇ C,, CrPSPeC†C-C— PīPμC†C-PSPePē.

PkPμPIPμP»PēPePμ PrPsC₇P»C-PrP₇μPSPSC₇ PIPiP»PēPICr PīPsC₇CrCēPμPSPSC₇
C,, CrPSPeC†C-C— PīPμC†C-PSPePē Cr 6 C₇CrP±B₇TM C°PeC, C-PI C-P· PeP»C-PSC-C†PSPs
P·PSP°C†CrC%PēPj C†PēC₇PsP·PsPj (PeP»P°C₇ A (n = 5) C- B (n = 1) P·P°
PeP»P°C₇PēC,, C-PeP°C†C-C°C₇ PŠP°PNēP»PrP° B₇° PμB₇TM C₇) PIPēC₇PIPēP»Ps
PSPμP·PSP°C†PSPēPNē PIPiP»PēPI PSP° C,, P°C₇PjP°PePsPeC-PSPμC, PēPeCr
PīPμC₇PsC₇P°P»CHPSPsPiPs PsP»P°PSP·P°PīC-PSCr (C₇P°P·PsPIP° PrPsP·P° 2,5B₇°7,5 PjPi):
C₇CrP±B₇TM C°PeC, Pē P· P»PμPiPePsC₇ C, P° PīPsPjC-C₇PSPsC₇ PrPēC₇C,, CrPSPeC†C-C°C₇
PīPμC†C-PSPePē PjP°P»Pē PrPμC%Ps PīC-PrPIPēC%PμPSPēPNē C₇PēC₇C, PμPjPSPēPNē
PeP»C-C₇PμPSC₇ C- CēPIPēPrCēPēPNē PīPμC₇C-PsPr PSP°PīC-PIPIPēPIPμPrPμPSPSC₇
PīPsC₇C-PIPSC₇PSPs P· C₇CrP±B₇TM C°PeC, P°PjPē P±PμP· PīPμC†C-PSPePsPSPsC—
PrPēC₇C,, CrPSPeC†C-C— (n = 3). PŸPμC₇PμPr C₇CrP±B₇TM C°PeC, C-PI C-P· C†PēC₇PsP·PsPj
P±C₇P»Ps P±C-P»CHCēPμ PeC₇C₇C-PI (4/6; 67 %), PSC-P₇ C₇PμC₇PμPr
C₇CrP±B₇TM C°PeC, C-PI P±PμP· PīPsC₇CrCēPμPSPSC₇ C,, CrPSPeC†C-C— PīPμC†C-PSPePē (0/3; 0
%).

PμP°C†C-C°PSC, Pē, C₇PeC- PīP°P»C₇C, CH.

Pj PSPμPeC₇C†C-PI PīPsC₇C-PIPSC₇PSPs P· PeC₇C₇C†C₇PjPē (C†PsP»PsPIC-PePē C, P°
P₇ C-PSPePē) C₇PμC₇PμPrPSC-PNē PīPμC₇C-PsPr PSP°PīC-PIPIPēPIPμPrPμPSPSC₇ P±C₇PI
C, C₇PēPIP°P»C-CēPēPNē (38,6 PīC₇PsC, Pē 30,4 PiPsPrPēPSPē), P° PeP»C-C₇PμPSC₇ Cr
PīP»P°P·PjC- P±C₇PI P·PSPēP₇μPSPēPNē (18,6 PīC₇PsC, Pē 27,7 P»/PiPsPr).

P₇P»C-C₇PμPSC₇ PsP»P°PSP·P°PīC-PSCr Cr PīP»P°P·PjC- PSPēP₇ C†PēPNē Cr
PīP°C†C-C°PSC, C-PI P»C-C, PSC₇HPsPiPs PIC-PeCr PīPsC₇C-PIPSC₇PSPs P· PjPsP»PsPrPēPjPē, Cr
P₇ C-PSPsPe PīPsC₇C-PIPSC₇PSPs P· C†PsP»PsPIC-PeP°PjPē C, P° Cr PSPμPeC₇C†C-PI
PīPsC₇C-PIPSC₇PSPs P· PeC₇C₇C†C₇PjPē. P† PIC₇Pμ P₇ C, P°PeC- C,, P°PeC, PsC₇Pē, C₇Pe
PIC-Pe, C₇C, P°C, CH C, P° PīP°P»C-PSPSC₇, PjP°P»Ps PjPsP₇CrC, CH PIPiP»PēPIP°C, Pē PSP°
PeP»C-C₇PμPSC₇ PsP»P°PSP·P°PīC-PSCr Cr PīP»P°P·PjC- PeC₇PsPIC- C, P° PīPμC₇C-PsPr
PSP°PīC-PIPIPēPIPμPrPμPSPSC₇ PīPsC₇C-PIPSC₇PSPs C-P· PIC-PrPjC-PSPSC-C₇C, C₇ C†PēC...
PīPsPeP°P·PSPēPeC-PI Cr C₇C-P·PSPēC... PsC₇C-P±.

Pj C...PsPrC- PrPsC₇P»C-PrP₇μPSC₇ P· CrC†P°C₇C, C₇ PīP°C†C-C°PSC, C-PI
C₇PiPsPSC₇CHPePsC— C, P° PePēC, P°PNēC₇CHPePsC— PSP°C†C-PsPSP°P»CHPSPsC₇C, PμPNē
PIC-PrPjC-PSPSPsC₇C, PμPNē Cr C,, P°C₇PjP°PePsPeC-PSPμC, PēC†C- PsP»P°PSP·P°PīC-PSCr
PjC-P₇ C, C₇CHPsPjP° PīPsPīC₇P»C₇C†C-C₇PjPē PSPμ PIPēC₇PIP»PμPSPs.

P°C-C, Pē.

PμC-PrP»C-C, PePē (PIC-PePsPj PIC-Pr 13 PrPs 17 C₇PsPeC-PI):

C,,P°CḡPjP°PePsPeC-PSPµC,PëPeP° PsP»P°PSP·P°PīC-PSCř Cř PīC-PrP»C-C,PeC-PI C-PrPsCḡPsCḡP»PëC... PīPsPrC-P±PSP°. PJ C...PsPrC- PeP»C-PSC-C±PSPëC... PrPsCḡP»C-PrP¶PµPSCḡ CḡPµCḡPµPrPSC-PNë PIPīP»PëPI PsP»P°PSP·P°PīC-PSCř P±CřPI PīCḡPëP±P»PëP·PSPs PSP° 27 % PIPëC%oPëPNë Cř PīC-PrP»C-C,PeC-PI. P°PµPjPsPiCḡP°C,,C-C±PSC- PIC-PrPjC-PSPSPsCḡC,C- PjC-P¶ PīC-PrP»C-C,PeP°PjPë C-PrPsCḡPsCḡP»PëPjPëB PIPeP»CḡC±P°CḡC,CH PSPëP¶C±Cř CḡPµCḡPµPrPSCḡ PjP°CḡCř C,C-P»P° C,P° PjPµPSCëCř PeC-P»CHPeC-CḡC,CH PeCřCḡC†C-PI CḡPµCḡPµPr PīP°C†C-C°PSC,C-PI PīC-PrP»C-C,PePsPIPSPiPs PIC-PeCř. PŷP°PeC- C,,P°PeC,PsCḡPë, PNëPjPsPIC-CḡPSPs, CḡPīCḡPëCḡCḡC,CH PIPëC%oPsPjCř CḡPµCḡPµPrPSCḡPsPjCř PµC,,PµPeC,Cř PsP»P°PSP·P°PīC-PSCř, C%oPs CḡPīPsCḡC,PµCḡC-PiP°PICḡCḡ Cř PīC-PrP»C-C,PeC-PI.

B

P°PsPeP»C-PSC-C±PSC- PrP°PSC- P· P±PµP·PīPµPePë

P°PsCḡC,CḡP° (PsPrPSPsCḡP°P·PsPIP°) C,PsPeCḡPëC±PSC-CḡC,CH

PhP·PSP°PePë PīPµCḡPsCḡP°P»CHPSPsC— C,PsPeCḡPëC±PSPsCḡC,C- Cř PīCḡPëP·CřPSC-PI P±CřP»Pë C...P°CḡP°PeC,PµCḡPSPëPjPë PrP»Cḡ PīPsC,CřP¶PSPëC... PSPµPNëCḡPsP»PµPīC,PëC±PSPëC... CḡPīPsP»CřPe: PīC-PīPsP°PeC,PëPIPSC-CḡC,CH, PePsPjP°, C,CḡPµPjPsCḡ, PeP»PsPSC-C±PSC- CḡCřPrPsPjPë, CḡP»PëPSPsPIPëPrC-P»PµPSPSCḡ C,P° P·PSPëP¶PµPSPëPNë PSP°P±C-Cḡ PIP°PīPë. PŷPµCḡPµPrPSC- P»PµC,P°P»CHPSC- PrPsP·Pë CḡC,P°PSPsPIPëP»Pë PīCḡPëP±P»PëP·PSPs 210 PjPi/PePi (PjPëCëC-) C- 175 PjPi/PePi (C%oCřCḡPë). PŷPsP±P°PePë PīPµCḡPµPSPsCḡPëP»Pë CḡP°P·PsPIC- PīPµCḡPsCḡP°P»CHPSC- PrPsP·Pë PrPs 100 PjPi/PePi P±PµP· P»PµC,P°P»CHPSPëC... PSP°CḡP»C-PrPeC-PI. PḡP»C-PSC-C±PSC- PsP·PSP°PePë PIPeP»CḡC±P°P»Pë CḡPµPrP°C†C-Cḡ, P°C,P°PeCḡC-Cḡ, C,CḡPµPjPsCḡ, PīCḡPëCḡPePsCḡPµPSPµ CḡPµCḡC†PµP±PëC,C,Cḡ, CřC,CḡCřPrPSPµPSPµ PrPëC...P°PSPSCḡ, PjC-PsP· C,P° P°PSPsCḡPµPeCḡC-Cḡ. PJ PjP°PIPī PsPrPSPsCḡP°P·PsPIC- PīPµCḡPsCḡP°P»CHPSC- PrPsP·Pë PrPs 100 PjPi/PePi PīCḡPëP·PIPsPrPëP»Pë PrPs PīCḡPsCḡC,CḡP°C†C-C—, P° P±C-P»CHCë PIPëCḡPsPeC- PrPsP·Pë Bḡ” PrPs PSP°PīC-PIPSPµPīCḡPëC,PsPjPSPsPiPs CḡC,P°PSCř.

PŷPsPeCḡPëC±PSC-CḡC,CH PīPsPIC,PsCḡPSPsPiPs PIPIPµPrPµPSPSCḡ

PJ PrPsCḡP»C-PrP¶PµPSPSCḡC... C,CḡPëPIP°P»C-CḡC,Cḡ PrPs 3 PjC-CḡCḡC†C-PI (PSP° PjPëCëP°C...) C- PrPs 1 CḡPsPeCř (PSP° C%oCřCḡP°C... C,P° CḡPsP±P°PeP°C...) PīPµCḡPµPIP°P¶PSPëPjPë PµC,,PµPeC,P°PjPë P±CřP»Pë PīCḡPëPiPSC-C±PµPSPSCḡ C†PµPSC,CḡP°P»CHPSPsC— PSPµCḡPIPSPiPsC— CḡPëCḡC,PµPjPë (PīPëPŷ), P°PSC,PëC...PsP»C-PSPµCḡPiC-C±PSC- PµC,,PµPeC,Pë C,P° PīPµCḡPëC,,PµCḡPëC±PSC- PiPµPjP°C,PsP»PsPiC-C±PSC- CḡPsP·P»P°PrPë. PŷPīPsCḡC,PµCḡC-PiP°PICḡCḡ CḡPsP·PIPëC,PsPe C,PsP»PµCḡP°PSC,PSPsCḡC,C- PrPs PīCḡPëPiPSC-C±PµPSPSCḡ PīPëPŷ. PµP°CḡP°PjPµC,CḡPë CḡPsCḡC,Cř P±CřP»Pë P·PSPëP¶PµPSC- PīCḡPë PIPëCḡPsPePëC... PrPsP·P°C.... PhP±PsCḡPsC,PSC- PµC,,PµPeC,Pë, C%oPs PIC-PrPīPsPIC-PrP°P»Pë PīC-PrPIPëC%oPµPSPsPjCř CḡC-PIPSCḡ PīCḡPsP»P°PeC,PëPSCř Cř C%oCřCḡC-PI, PIPeP»CḡC±P°P»Pë P·PjPµPSCëPµPSPSCḡ PjP°CḡPë CḡC°C±PSPëPeC-PI C- PjP°C,PePë C,P° PjPsCḡC,,PsP»PsPiC-C±PSC- P·PjC-PSPë PIP°PīC-PSP°P»CHPSPsPiPs PµPīC-C,PµP»C-Cḡ C,P° PjPsP»PsC±PSPsC— P·P°P»PsP·Pë.

P°PµPjP°C,PsP»PsPiC-C±PSP° C,PsPeCḡPëC±PSC-CḡC,CH

P°PīP»PëPI PSP° PiPµPjP°C,PsP»PsPiC-C±PSC- PīP°CḡP°PjPµC,CḡPë P±CřP»Ps

PIPëCIIPIP»PµPSPs Cr PePsP¶PSPsPiPs PIPëPrCr, P·PsPeC¶PµPjP° P·P°P»PµP¶PSPµ PIC-Pr PrPsP·Pë P·PSPëP¶PµPSPSCI C¶C-PIPSCI C†PëC¶PeCrP»C¶PIP°P»CHPSPëC... P»PµPNëPePsC†PëC,C-PI Cr PjPëC¶PµPNë C- PSPµC†PµC†PëC,,C-C†PSPµ P·PSPëP¶PµPSPSCI C¶C-PIPSCI C†PëC¶PeCrP»C¶PIP°P»CHPSPëC... P»PµPNëPePsC†PëC,C-PI Cr C%oCrC¶C-PI; PsPrPSP°Pe PrPsPeP°P·C-PI C†PëC,PsC,PsPeC†PëC†PSPsC†C,C- PeC-C†C,PePsPIPsPiPs PjPsP·PeCr PSPµ PIPëCIIPIP»PµPSPs. PhP±PsC¶PsC,PSP° PSPµPNëC,C¶PsPiPµPSC-C¶, C,C¶PsPjP±PsC†PëC,PsPiPµPSC-C¶ P°P±Ps P°PSPµPjC-C¶ C¶PsP·PIPëPSCrP»P°C†CH Cr PeC-P»CHPePsC... C†PsP±P°Pe, C¶PeC- PsC,C¶PëPjCrPIP°P»Pë 8 P°P±Ps 10 PjPi/PePi/PrPµPSC¶ (P·P°PiP°P»CHPSP° PµPeC†PiPsP·PëC†C-C¶ PsP»P°PSP·P°PiC-PSCr [PiP»PsC%oP° PiC-Pr PeC¶PëPIPsC¶] Cr 12B¶“15 C¶P°P·C-PI P±C-P»CHC¶P°, PSC-P¶ Cr P»C¶PrPëPSPë, C¶PeP° PsC,C¶PëPjCrPIP°P»P° PrPsP·Cr 12 PjPi). PJ C†PsP±P°Pe P· C†PëC,PsPiPµPSC-C”C¶ PSPµ P±CrP»Ps PiPsP±C-C†PSPëC... PµC,,PµPeC,C-PI PSP° PeP»C-C,PëPSPë-PiPsPiPµC¶PµPrPSPëPePë C,P° PiC¶PsP»C-C,,PµC¶CrPIP°P»CHPSC- PeP»C-C,PëPSPë PI PeC-C†C,PePsPIPsPjCr PjPsP·PeCr.

P PµPiC¶PsPrCrPeC,PëPIPSP° C,PsPeC†PëC†PSC-C†C,CH

PhP»P°PSP·P°PiC-PS PSPµ PjP°PI C,PµC¶P°C,PsPiPµPSPSPsC— PrC-C—. P¶PµPrP°C†C-C¶ PIPiP»PëPSCrP»P° PSP° PiC¶PsPrCrPeC,PëPIPSC-C†C,CH C†PiP°C¶PsPICrPIP°PSPSCI C†P°PjC†C-PI C%oCrC¶C-PI. P”PsP·Pë 1,1 PjPi/PePi (Cr 3 C¶P°P·Pë PiPµC¶PµPIPëC%oCrPIP°P»Pë PjP°PeC†PëPjP°P»CHPSCr PrPsP·Cr PrP»C¶ P»C¶PrPëPSPë) PIPiP»PëPIP°P»Pë PSP° PµC†C,C¶P°P»CHPSPëPNë C†PëPeP» Cr C%oCrC¶C-PI, P° PrPsP·Pë 3 PjPi/PePi (PI 9 C¶P°P·C-PI PiPµC¶PµPIPëC%oCrPIP°P»Pë PjP°PeC†PëPjP°P»CHPSCr PrPsP·Cr PrP»C¶ P»C¶PrPëPSPë) PIPiP»PëPIP°P»Pë PSP° PiP°C¶P°PjPµC,C¶Pë PIC-PrC,PIPsC¶PµPSPSCI. PJ PiPsC,PsPjC†C,PIP° C%oCrC¶C-PI, C¶PeC- PsC,C¶PëPjCrPIP°P»Pë PsP»P°PSP·P°PiC-PS, C†PiPsC†C,PµC¶C-PiP°P»PëC†C¶ P·P°C,C¶PëPjPeP° PIPSCrC,C¶C-C¶PSC¶PsCrC,C¶PsP±PSPsPiPs C¶PsP·PIPëC,PeCr C,P° C,PëPjC†P°C†PsPIPµ P·PSPëP¶PµPSPSCI C¶C-PIPSCI P°PeC,PëPIPSPsC†C,C- PiPsC,PsPjC†C,PIP°.

P¶CrC,P°PiPµPSPSC-C†C,CH

PhP»P°PSP·P°PiC-PS PSPµ P±CrPI PjCrC,P°PiPµPSPSPëPj P°P±Ps PeP»P°C†C,PsPiPµPSPSPëPj Cr PiPsPIPSPsPjCr C†PiPµPeC,C¶C- C†C,P°PSPrP°C¶C,PSPëC... C,PµC†C,C-PI, C†PµC¶PµPr C¶PePëC... C,PµC†C,Pë PSP° P±P°PeC,PµC¶C-P°P»CHPSCr PjCrC,P°C†C-C¶ C- C,PµC†C,Pë *in vitro* C,P° *in vivo* PSP° C†C†P°PIC†C¶C....

P¶P°PSC†PµC¶PsPiPµPSPSC-C†C,CH

P¶P° PiC-PrC†C,P°PIC- C¶PµP·CrP»CHC,P°C,C-PI PrPsC†P»C-PrP¶PµPSC¶ PSP° PjPëC¶P°C... C- C%oCrC¶P°C... P±CrP»Ps P·C¶PsP±P»PµPSPs PIPëC†PSPsPIPsPe, C%oPs PsP»P°PSP·P°PiC-PS PSPµ C” PeP°PSC†PµC¶PsPiPµPSPSPëPj.

P¶P»C-PSC-C†PSC- C...P°C¶P°PeC,PµC¶PëC†C,PëPePë.

PµPsPeP°P·P°PSPSCI.

PhP»P°PSP·P°PiC-PS PiPsPeP°P·P°PSPëPNë PrP»C¶ P»C-PeCrPIP°PSPSCI C¶PëP·PsC,,C¶PµPSC-C—.

PhP»P°PSP·P°PiC-PS PµC,,PµPeC,PëPIPSPëPNë PrP»C¶ PiC-PrC,C¶PëPjP°PSPSCI PrPsC†C¶PiPSCrC,PsPiPs PeP»C-PSC-C†PSPsPiPs PµC,,PµPeC,Cr PiC-Pr C†P°C†

C, C₇H₆PIP°P»PsC— C, P_μC₇H₆P°P_iC— C— C_r P_iP°C_†C—C''PSC, C—PI, C_r C_†PeP_eC...
C_†P_iPsC_†C, P_μC₇H₆—P_iP°P»P°C_†C_† PIC—PrP_iPsPIC—PrCH₃ PSP° P_iPsC_†P°C, PePsPIC_r
C, P_μC₇H₆P°P_iC—C₇.

P_hP»P°PSP·P°P_iC—PS P_iPsPeP°P·P°PSP_ePN_e PrP»C_† P»C—PeC_rPIP°PSPSC_†
P_jP°PSC—P°PeP°P»CH₃PSP_eC... P_μP_iC—P·PsPrC—PI P_iPsP_jC—C₇H₆PS_iPs C, P° C, C_†PeP_ePsP_iPs
C_†C, C_rP_iP_μPSC_†.

P_hP»P°PSP·P°P_iC—PS P_iPsPeP°P·P°PSP_ePN_e PrP»C_† P_iC₇H₆PS_μ„C—P»P°PeC, P_ePeP_e
P_iPsPIC, PsC₇H₆PSP_eC... PSP°P_iP°PrC—PI C_r P_iP°C_†C—C''PSC, C—PI P· P±C—P_iPsP»C_†C₇H₆PSP_eP_jP_e
C₇H₆PS_iP·P»P°PrP°P_jP_e, C_r C_†PeP_eC... P±C_rP»Ps PsC, C₇H₆P_eP_jP°PSPs P_iPsP·P_eC, P_ePIPSC_r
PIC—PrP_iPsPIC—PrCH₃ P_iC₇H₆ P»C—PeC_rPIP°PSPSC— PsP»P°PSP·P°P_iC—PSPsP_j P_jP°PSC—C—.

P_μC₇H₆PsC, P_eP_iPsPeP°P·P°PSPSC_†.

P_μC—PrPIP_eC%P_μPSP° C_†C_rC, P»P_ePIC—C_†C, CH₃ PrPs PrC—CH₃C_†PsC— C₇H₆P_μC_†PsPIP_ePSP_e P°P±Ps
PrPs PrPsP_iPsP_jC—P_†PSP_eC... PePsP_jP_iPsPSP_μPSC, C—PI P»C—PeP°C₇H₆C_†CH₃PePsP_iPs P·P°C_†PsP±C_r;
PIC—PrPsP_jP_ePN_e C₇H₆P_eP·P_ePe P·P°PeC₇H₆PeC, PsPeC_rC, PsPIP_sC— P_iP»P°C_rPePsP_jP_e.

P'P·P°C''P_jPsPrC—C_† P· C—PSC€P_eP_jP_e P»C—PeP°C₇H₆C_†CH₃PeP_eP_jP_e P·P°C_†PsP±P°P_jP_e C, P° C—PSC€C— PIP_ePrP_e PIP·P°C''P_jPsPrC—PN_e.

P''PsC_†P»C—PrP_†P_μPSPSC_† PIP·P°C''P_jPsPrC—C— P· C—PSC€P_eP_jP_e P»C—PeP°C₇H₆C_†CH₃PeP_eP_jP_e
P·P°C_†PsP±P°P_jP_e P_iC₇H₆PS_iPsPrP_eP»P_e C, C—P»CH₃PeP_e P· C_rC_†P°C_†C, CH₃ PrPsC₇H₆C_†P»P_eC....

P P_μC_†PsPIP_ePSP_e, C%Ps P_iPsC, P_μPSC_†C—PN_ePSPs PIP_iP»P_ePIP°C₇H₆CH₃ PSP°
PsP»P°PSP·P°P_iC—PS.

P_hC_†PeC—P»CH₃PeP_e PsP»P°PSP·P°P_iC—PS P_jP_μC, P°P±PsP»C—P·C_rC''C, CH₃C_†C_†
C—P·PsC„P_μC₇H₆P_jP_μPSC, PsP_j CYP1A2, C₇H₆P_μC_†PsPIP_ePSP_e, C_†PeC— C_†P_iP_μC_†P_eC„C—C_†PSPs
C—PSP_rC_rPeC_rCH₃, CH₃C_†C_† P°P±Ps C—PSP_iC—P±C_rCH₃, CH₃C_†C_† C_†P_eP_j
C—P·PsC„P_μC₇H₆P_jP_μPSC, PsP_j, P_jPsP_†C_rC, CH₃ PIP_iP»P_ePIP°C, P_e PSP°
C„P°C₇H₆P_jP°PePsPeC—PSP_μC, P_ePeC_r PsP»P°PSP·P°P_iC—PSC_r.

P_†PSP_rC_rPeC, PsC₇H₆ CYP1A2.

P_hP_μC, P°P±PsP»C—P·P_j PsP»P°PSP·P°P_iC—PSC_r P_jPsP_†P_μ P±C_rC, P_e C—PSP_rC_rPePsPIP°PSP_ePN_e
P_iP°P»C—PSPSC_†P_j C, P° P·P°C_†C, PsC_†C_rPIP°PSPSC_†P_j PeP°C₇H₆P±P°P_jP°P·P_μP_iC—PSC_r,
C_†PeP_ePN_e P_iC₇H₆P_eP·PIP_sPrP_eC, CH₃ PrPs P·PSP_eP_†P_μPSPSC_† PePsPSC_†P_μPSC, C₇H₆P°C_†C—
PsP»P°PSP·P°P_iC—PSC_r. P_†P_iPsC_†C, P_μC₇H₆—P_iP°P»PsC_†C_† C_†P»P°P±PeP_μ P°P±Ps
P_iPsP_jC—C₇H₆PS_μ P_iC—PrPIP_eC%P_μPSPSC_† PeP»C—C₇H₆PS_†C_r PsP»P°PSP·P°P_iC—PSC_r.
P_hP»C—PSC—C_†PSC— PIP_eC_†PSPsPIP_ePe P_sP±P_jP_μP_†P_μPSC—, P°P»P_μ
C₇H₆PePsP_jP_μPSP_rC_rC„CH₃C_†C_† PeP»C—PSC—C_†PSP_ePN_e P_jPsPSC—C, PsC₇H₆PePSP_i C, P°,
C_†PeC%Ps PSP_μPsP±C...C—PrPSPs, P·P±C—P»CH₃C€P_μPSPSC_† PrPsP·P_e PsP»P°PSP·P°P_iC—PSC_r
(PrP_ePI. C₇H₆PS_iP·PrC—P» B«P_†P_iPsC_†C—P± P·P°C_†C, PsC_†C_rPIP°PSPSC_† C, P° PrPsP·P_e).

P_†PSP_iC—P±C—C, PsC₇H₆ CYP1A2.

P_hP»C_rPsPeC_†P°P_jC—PS, C_†P_iP_μC_†P_eC„C—C_†PSP_ePN_e C—PSP_iC—P±C—C, PsC₇H₆ CYP1A2,

C-ClC,PsC,PSPs P·PSPëP¶ClC” PjPµC,P°P±PsP»C-P·Pj PsP»P°PSP·P°PīC-PSCř. PīPµ
PīCĤPëP·PIPsPrPëC,CH PrPs ClPµCĤPµPrPSCĤPsPiPs P·CĤPsClC,P°PSPSCĬ PŸ_{max} PīC-ClP»Cl
PīCĤPëPµPsPjCr C,,P»CrPsPeClP°PjC-PSCř PSP° 54 % Cr P¶C-PSPsPe, ClPeC- PSPµ
PīP°P»ClC,CH, C,P° PSP° 77 % Cr C±PsP»PsPIC-PeC-PI, ClPeC- PīP°P»ClC,CH.
PŸPµCĤPµPrPSC” P·CĤPsClC,P°PSPSCĬ AUC PsP»P°PSP·P°PīC-PSCř ClC,P°PSPsPiPëC,CH 52 %
C,P° 108 % PIC-PrPīPsPIC-PrPSPs. P”P»Cl PīP°C†C-C”PSC,C-PI, ClPeC-
P·P°ClC,PsClPµPICrCHC,CH C,,P»CrPsPeClP°PjC-PS P°P±Ps P±CrPrCH-ClPeC- C-PSC€C-
C-PSPiC-P±C-C,PsCĤPë CYP1A2, PSP°PīCĤPëPeP»P°Pr C†PëPīCĤPsC,,P»PsPeClP°C†PëPS,
PSPµPsP±C...C-PrPSPs PīCĤPëP·PSP°C†P°C,Pë P·PSPëP¶PµPSC- PrPsP·Pë PsP»P°PSP·P°PīC-PSCř.
PķPµPsP±C...C-PrPSPs CĤPsP·PiP»ClPSCřC,Pë PjPsP¶P»PëPIC-ClC,CH P·PSPëP¶PµPSPSCĬ
PrPsP·Pë PsP»P°PSP·P°PīC-PSCř, ClPeC%Ps C-PSC-C†C-PµPsPiP°PSPs P»C-PeCrPiP°PSPSCĬ
C-PSPiC-P±C-C,PsCĤPsPj CYP1A2.

P—PjPµPSC€PµPSPSCĬ P±C-PsPrPsClC,ClPīPSPsClC,C-.

PĥPeC,PëPIPsPiP°PSPµ PICrPiC-P»P»Cl P·PSPëP¶ClPīP°P»Ps PīPµCĤPsCĤP°P»CHPSCř
P±C-PsPrPsClC,ClPīPSC-ClC,CH PsP»P°PSP·P°PīC-PSCř PSP° 50bĤ”60 % bĤ” PµPsPiPs
ClP»C-Pr P·P°ClC,PsClPµPICrPiP°C,Pë P·P° 2 PiPsPrPëPSPë PrPs PīCĤPëPµPsPjCr P°P±Ps
C±PµCĤPµP· 2 PiPsPrPëPSPë PīC-ClP»Cl PīCĤPëPµPsPjCr PsP»P°PSP·P°PīC-PSCř.

P»P»CrPsPeClPµC,PëPS (C-PSPiC-P±C-C,PsCĤ CYP2D6), CĤP°P·PsPiP° PrPsP·P°
P°PSC,P°C†PëPrC-PI, C%Ps PjC-ClC,ClC,CH P°P»CĤPjC-PSC-Pµ C,P° PjP°PiPSC-Pµ, P°P±Ps
C†PëPjPµC,PëPrPëPS, C-ClC,PsC,PSPs PSPµ PīPīP»PëPiP°P»Pë PSP°
C,,P°CĤPjP°PePsPeC-PSPµC,PëPeCr PsP»P°PSP·P°PīC-PSCř.

P’PīP»PëPI PsP»P°PSP·P°PīC-PSCř PSP° C-PSC€C- P»C-PeP°CĤClCHPeC- P·P°ClPsP±Pë.

PĥP»P°PSP·P°PīC-PS PjPsP¶Pµ PīCĤPsClPiP»ClC,Pë P°PSC,P°PiPsPSC-P·Pj PrPs PµC,,PµPeC,C-PI
PīCĤClPiPëC... C,P° PSPµPīCĤClPiPëC... P°PiPsPSC-ClC,C-PI PrPsPīP°PjC-PSCř.

PĥP»P°PSP·P°PīC-PS PSPµ PīCĤPëPiPSC-C±CrPiP°PI PsClPSPsPiPSC- C-P·PsC,,PµCĤPjPµPSC,Pë
CYP 450 (PSP°PīCĤPëPeP»P°Pr, 1A2, 2D6, 2C9, 2C19, 3A4) *in vitro*. PŸP°PePëPj C†PëPSPsPj, PSPµ
PsC±C-PeCrC”C,CHClClC PSC-ClPePëC... PsClPsP±P»PëPiPëC... PIP·P°C”PjPsPrC-Pµ, C%Ps
PīC-PrC,PIPµCĤPrP¶PµPSPs Cr PrPsClP»C-PrP¶PµPSPSCĬC... *in vivo*, PrPµ PSPµ
PIC-PrP·PSP°C†P°P»PsClCH C-PSPiC-P±CrPiP°PSPSCĬ PjPµC,P°P±PsP»C-P·PjCr
PsP»P°PSP·P°PīC-PSCř PīCĤPë P·P°ClC,PsClCrPiP°PSPSC- C,P°PePëC... P°PeC,PëPiPSPëC...
CĤPµC±PsPiPëPS: C,CĤPëC†PëPeP»C-C†PSPëC... P°PSC,PëPrPµPīCĤPµClP°PSC,C-PI
(PiPsP»PsPiPSPëPj C†PëPSPsPj PīCĤPµPrClC,P°PiP»PµPSC- C-P·PsC,,PµCĤPjPµPSC,PsPj CYP2D6),
PiP°CĤC,,P°CĤPëPSCř (CYP2C9), C,PµPsC,,C-P»C-PSCř (CYP 1A2) P°P±Ps PrC-P°P·PµPīP°PjCr
(CYP 3Pĥ4 C,P° 2PŸ19).

PķPµ P±CrP»Ps PIC-PrP·PSP°C±PµPSPs PiP·P°C”PjPsPrC-C— PsP»P°PSP·P°PīC-PSCř PīCĤPë
PīCĤPëP·PSP°C±PµPSPSC- B P· P»C-C,C-C”Pj P°P±Ps P±C-PīPµCĤPëPrPµPSPsPj.

PŸPµCĤP°PīPµPIC,PëC±PSPëPµ PjPsPSC-C,PsCĤPëPSPi CĤC-PIPSC-PI PIP°P»CHPīCĤPsP°C,Cl
Cr PīP»P°P·PjC- PeCĤPsPIC- PSPµ PīPëClPiPëPI PSPµPsP±C...C-PrPSPsClC,C-
PePsCĤPµPeC†C-C— PrPsP·Pë PIP°P»CHPīCĤPsP°C,Cl PīCĤPë ClCrPīCrC,PSCHPsPjCr
PīCĤPëP·PSP°C±PµPSPSC- P· PsP»P°PSP·P°PīC-PSPsPj.

P—P°PiP°P»CHPSP° P°PeC,PëPiPSC-ClC,CH C%PsPrPs PīPķPŸ

P— PsP±PµCĤPµP¶PSC-ClC,CH ClP»C-Pr P·P°ClC,PsClPµPICrPiP°C,Pë PsP»P°PSP·P°PīC-PS

PIP°C†C-C" PSC, P°Pj, CΠPeC- PiCηPēPNēPjP°CηC, CH PμC, P°PSPsP» P°P±Ps
P»C-PeP°CηC†CHPeC- P·P°C†PsP±Pē, C%Ps PjPsP¶C†C, CH C†PiCηPēC†PēPSPēC, Pē
PiCηPēPiPSC-C†PμPSPSC† C†PμPSC, CηP°P»CHPSPsC— PSPμCηPIPsPIPsC— C†PēC†C, PμPjPē
(PiPēPŸ).

PŸC†PiC†C, PSC" P·P°C†C, PsC†C†PIP°PSPSC† PsP»P°PSP·P°PiC-PSC† P·
P°PSC, PēPiP°CηPeC-PSC†PsPSC-C†PSPēPjPē PiCηPμPiP°CηP°C, P°PjPē PiP°C†C-C" PSC, P°Pj C-P·
C...PIPsCηPsP±PsCη PμP°CηPeC-PSC†PsPSP° C, P° PrPμPjPμPSC†C-C" Cη PSPμ
CηPμPePsPjPμPSP†C†C, CHC†C†C† (PrPēPI. CηPsP·PrC-P» B«PhC†PsP±P»PēPIPsC†C, C-
P·P°C†C, PsC†C†PIP°PSPSC†).

P†PSC, PμCηPIP°P» QTC†.

PŸP»C-Pr P· PsP±PμCηPμP¶PSC-C†C, CH PiCηPēP·PSP°C†P°C, Pē PsP»P°PSP·P°PiC-PS P·
C-PSC€PēPjPē PiCηPμPiP°CηP°C, P°PjPē, CΠPeC- PjPsP¶C†C, CH PiC-PrPIPēC%CrPIP°C, Pē
C-PSC, PμCηPIP°P» QTC† (PrPēPI. CηPsP·PrC-P» B«PhC†PsP±P»PēPIPsC†C, C-
P·P°C†C, PsC†C†PIP°PSPSC†).

*P†PSPiC-P±C-C, PsCηPē CYP 2D6. PαP»C†PsPeC†PμC, PēPS (60 PjPi PSP° PsPrPēPS
PiCηPēPNēPsPj P°P±Ps 60 PjPi C%PsPrPμPSPSPs PiCηPsC, CΠPiPsPj 8 PrPSC-PI)
C†PiCηPēC†PēPSC†C" C†PμCηPμPrPSC" P·CηPsC†C, P°PSPSC†
PjP°PeC†PēPjP°P»CHPSPsC— PePsPSC†PμPSC, CηP°C†C-CH PsP»P°PSP·P°PiC-PSC† PSP°
16 % C, P° C†PμCηPμPrPSC" P·PSPēP¶PμPSPSC† PeP»C-CηPμPSC†C†
PsP»P°PSP·P°PiC-PSC† PSP° 16 %. P—PSP°C†PμPSPSC† PIPiP»PēPIC† C†PēC...
C,, P°PeC, PsCηC-PI PjP°P»Pμ PiPsCηC-PIPsC†PSPs C-P· PIC-PrPjC-PSPSC-C†C, CH
C†PēC... PiPsPeP°P·PSPēPeC-PI C† CηC-P·PSPēC... PsC†C-P±, C, PsPjC† P·PjC-PSPē
PrPsP·C†PIP°PSPSC† P·P°P·PIPēC†P°PNē PSPμ CηPμPePsPjPμPSP†PsPIP°PSC-.*

P—PrP°C, PSC-C†C, CH PsP»P°PSP·P°PiC-PSC† PIP·P°C" PjPsPrC-C†C, Pē P· C-PSC€PēPjPē
P»C-PeP°CηC†CHPePēPjPē P·P°C†PsP±P°PjPē.

PhPSC, PēPiC-PiPμCηC, PμPSP·PēPIPsC- P·P°C†PsP±Pē. PhP»P°PSP·P°PiC-PS C†PμCηPμP·
PiPsC, PμPSC†C-PNēPSC† P·PrP°C, PSC-C†C, CH P·PSPēP¶C†PIP°C, Pē
P°CηC, PμCηC-P°P»CHPSPēPNē C, PēC†PeB PjPsP¶Pμ PiPsC†PēP»CHPIP°C, Pē
PμC,, PμPeC, Pē PiPμPIPsPēC... P°PSC, PēPiC-PiPμCηC, PμPSP·PēPIPsPēC...
P·P°C†PsP±C-PI.

*P>PμPIPsPrPsPiP° C, P° P°PiPsPSC-C†C, Pē PrPsPiP°PjC-PSC†. PhP»P°PSP·P°PiC-PS PjPsP¶Pμ
PiCηPsC†PIP»C†C, Pē P°PSC, P°PiPsPSC-P·Pj PrPs PμC,, PμPeC, C-PI P»PμPIPsPrPsPiPē
C, P° P°PiPsPSC-C†C, C-PI PrPsPiP°PjC-PSC†.*

*P†PjC-PiCηP°PjC-PS. P P°P·PsPIC- PrPsP·Pē PsP»P°PSP·P°PiC-PSC† PSPμ
PIPiP»PēPIP°CηC, CH PSP° C,, P°CηPjP°PePsPeC-PSPμC, PēPeC† C-PjC-PiCηP°PjC-PSC†
P°P±Ps PNēPsPiPs P°PeC, PēPIPsPēPNē PjPμC, P°P±PsP»C-C, PrPμP·PēPiCηP°PjC-PS.*

PhC†PsP±P»PēPIPsC†C, C- P·P°C†C, PsC†C†PIP°PSPSC†.

PμC-Pr C†P°C† P»C-PeC†PIP°PSPSC† P°PSC, PēPiC†PēC...PsC, PēC†PSPēPjPē P·P°C†PsP±P°PjPē
PiPsP»C-PiC€PμPSPSC† PeP»C-PSC-C†PSPsPiPs C†C, P°PSC† PiP°C†C-C" PSC, P° PjPsP¶Pμ

P·P°PN₀PSCЦC,Пё PIC-Pr PeC-P»CHPePsC... PrPSC-PI PrPs PrPμPeC-P»CHPePsC...
C,PeP¶PSC-PI. PμCґPsC,ЦIPIPsPj C†CHPsPiPs PiPμCґC-PsPrCr PSPμPsP±C...C-PrPSPёPN₀
CґPμC,PμP»CHPSPёPN₀ PjPsPSC-C,PsCґPёPSPi PiP°C†C-C”PSC,C-PI.

*PμCґPeC...PsP·, PiPsPIёґ™ CЦP·P°PSPёPN₀ P· PrPμPjPμPSC†C-C”Cґ C,P°/P°P±Ps
CґPsP·P»P°PrP°PjPё PiPsPIPμPrC-PSPePё.*

PґP»P°PSP·P°PiC-PS PSPμ PiCґPёP·PSP°C†PμPSPёPN₀ PrP»CЦ P»C-PeCrPIP°PSPSCЦ
PiCґPёC...PsP·C-PI, PiPsPIёґ™ CЦP·P°PSPёC... P· PrPμPjPμPSC†C-C”Cґ C,P°/P°P±Ps
PiPsCґCrC€PμPSPSCЦPj PiPsPIPμPrC-PSPePё, P° C,P°PePsP¶ PSPμ
CґPμPePsPjPμPSPPrCrC”C,CHCґCЦ PrP»CЦ P·P°CґC,PsCґCrPIP°PSPSCЦ PrP°PSPёPj
PiP°C†C-C”PSC,P°Pj Cr P·PIёґ™ CЦP·PeCr P· PiC-PrPIPёC%₀PμPSPSCЦPj
P»PμC,P°P»CHPSPScґC,C- C,P° CґPёP·PёPeCr C†PμCґPμP±CґPsPIP°CґPeCrP»CЦCґPSPёC...
PIPёPiP°PrPeC-PI. Pj C...PsPrC- PiP»P°C†PμP±Ps-PePsPSC,CґPsP»CHPsPIP°PSPёC...
PeP»C-PSC-C†PSPёC... PrPsCґP»C-PrP¶PμPSCH (C,CґPёPIP°P»C-CґC,Cґ 6 вґ 12
C,PeP¶PSC-PI) P· CrC†P°CґC,Cґ PiP°C†C-C”PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCr
(CґPμCґPμPrPSC-PN₀ PIC-Pe 78 CґPsPeC-PI), CЦPeC- CґC,CґP°P¶PrP°CґC,CH PSP°
PiCґPёC...PsP·Pё, PiPsPIёґ™ CЦP·P°PSC- P· PrPμPjPμPSC†C-C”Cґ C,P°/P°P±Ps
PiPsCґCrC€PμPSPSCЦPj PiPsPIPμPrC-PSPePё, PeC-P»CHPeC-CґC,CH P»PμC,P°P»CHPSPёC...
PIPёPiP°PrPeC-PI P±CrP»P° Cr 2 CґP°P·Pё PIPёC%₀P° Cr PiP°C†C-C”PSC,C-PI, CЦPeC-
PiCґPёPN₀PjP°P»Pё PsP»P°PSP·P°PiC-PS, PiPsCґC-PIPSЦIPSPs P· PiP»P°C†PμP±Ps (3,5 %
PiCґPsC,Пё 1,5 % PIC-PrPiPsPIC-PrPSPs). P’PёCґPsPeP° P»PμC,P°P»CHPSC-CґC,CH PSPμ
P±CrP»P° PiPsPIёґ™ CЦP·P°PSP° P· PIPμP»PёC†PёPSPsCґ P·P°CґC,PsCґPsPICґPIP°PSPёC...
PrPsP· PsP»P°PSP·P°PiC-PSCґ (CґPμCґPμPrPSCЦ PrPsP±PsPIP° PrPsP·P° CґC,P°PSPsPIPёC,CH
4,4 PjPi) P°P±Ps P· C,CґPёPIP°P»C-CґC,Cґ P»C-PeCrPIP°PSPSCЦ. PαP°PeC,PsCґPё
CґPёP·PёPeCr PiC-PrPIPёC%₀PμPSPSCЦ P»PμC,P°P»CHPSPScґC,C- PIPeP»CґC†P°CґC,CH
PIC-Pe PIC-Pr 65 CґPsPeC-PI, PrPёCґC,,P°PiC-Cґ, P·P°CґPiPsPePsC”PSPSCЦ,
PSPμPrPsC—PrP°PSPSCЦ C,P° P·PSPμPIPsPrPSPμPSPSCЦ, P»PμPiPμPSPμPIC- CґC,P°PSPё
(PiPSPμPIPjPsPSC-CЦ, P· P°CґPiC-CґP°C†C-C”Cґ P°P±Ps P±PμP·), CґCrPiCrC,PSC”
P·P°CґC,PsCґCrPIP°PSPSCЦ P±PμPSP·PsPrC-P°P·PμPiC-PSC-PI. PμCґPsC,Pμ
P»PμC,P°P»CHPSC-CґC,CH P±CrP»P° PIPёC%₀PsCґ PiCґPё C,PμCґP°PiC-C—
PsP»P°PSP·P°PiC-PSPsPj, PSC-P¶ PiCґPё PiCґPёPN₀PsPjC- PiP»P°C†PμP±Ps,
PSPμP·P°P»PμP¶PSPs PIC-Pr C,,P°PeC,PsCґC-PI CґPёP·PёPeCr.

Pj C...PsPrC- PeP»C-PSC-C†PSPёC... PrPsCґP»C-PrP¶PμPSCH CґPiPsCґC,PμCґC-PiP°P»PёCґCЦ
PIPёPiP°PrPePё C†PμCґPμP±CґPsPIP°CґPeCrP»CЦCґPSPёC... PiPsP±C-C†PSPёC...
CґPμP°PeC†C-PN₀ (C-PSCґCrP»CHC,, C,CґP°PSP·PёC,PsCґPSPёPN₀ C-C€PμPjC-C†PSPёPN₀
C-PSCґCrP»CHC,), Cr C,PsPjCr C†PёCґP»C- P· P»PμC,P°P»CHPSPёPj PSP°CґP»C-PrPePsPj.
PґC-P»CHPeC-CґC,CH C†PμCґPμP±CґPsPIP°CґPeCrP»CЦCґPSPёC... PiPsP±C-C†PSPёC...
CґPμP°PeC†C-PN₀ P±CrP»P° Cr 3 CґP°P·Pё PIPёC%₀P° Cr PiP°C†C-C”PSC,C-PI, CЦPeC-
PiCґPёPN₀PjP°P»Pё PsP»P°PSP·P°PiC-PS, PiPsCґC-PIPSЦIPSPs P· PiP»P°C†PμP±Ps (1,3 %
PiCґPsC,Пё 0,4 %). PjCґC- PiP°C†C-C”PSC,Пё, CЦPeC- PiCґPёPN₀PjP°P»Pё PsP»P°PSP·P°PiC-PS
P°P±Ps PiP»P°C†PμP±Ps C- Cr CЦPePёC... CґPiPsCґC,PμCґC-PiP°P»PёCґCЦ
C†PμCґPμP±CґPsPIP°CґPeCrP»CЦCґPSC- PiPsP±C-C†PSC- CґPμP°PeC†C-C—, PjP°P»Pё
C,,P°PeC,PsCґPё CґPёP·PёPeCr. P’C-Pe PIC-Pr 75 CґPsPeC-PI C,P°
CґCrPrPёPSPSPёPN₀/P·PjC-C€P°PSPёPN₀ C,PePi PrPμPjPμPSC†C-C— P±CrP»Pё
C-PrPμPSC,ПёC,,C-PePsPIP°PSC- CЦPe C,,P°PeC,PsCґPё CґPёP·PёPeCr
C†PμCґPμP±CґPsPIP°CґPeCrP»CЦCґPSPёC... PiPsP±C-C†PSPёC... CґPμP°PeC†C-PN₀ PiCґPё
C,PμCґP°PiC-C— PsP»P°PSP·P°PiC-PSPsPj. P·C,,PμPeC,PePIPSC-CґC,CH PsP»P°PSP·P°PiC-PSCґ
PSPμ P±CrP»P° PICґC,P°PSPsPIP»PμPSP° Cr C...PsPrC- PrP°PSPёC... PrPsCґP»C-PrP¶PμPSCH.

P'PIPsCtjPsP±P° PμP°CtjPeC-PSCÍPsPSP°. PkPμ CtjPμPePsPjPμPSPPrPsPIP°PSPs
 P·P°CÍC,PsCÍCrPIP°PSPSCÍ PsP»P°PSP·P°PiC-PSCr Cr C,PμCtjP°PiC-C— PiCÍPëC...PsP·C-PI,
 C%Ps P°CÍPsC†C-PNëPsPIP°PSC- P· P°PiPsPSC-CÍC,P°PjPë PrPsPiP°PjC-PSCr. PkPμ
 CtjPμPePsPjPμPSPPrPsPIP°PSPμ CÍCrPiC†C,PSC" P·P°CÍC,PsCÍCrPIP°PSPSCÍ
 PsP»P°PSP·P°PiC-PSCr C,P° PiCtjPsC,PëPiP°CtjPeC-PSCÍPsPSC-C†PSPëC...
 P»C-PeP°CtjCÍCHPePëC... P·P°CÍPsP±C-PI PiP°C†C-C"PSC,P°Pj C-P· C...PIPsCtjPsP±PsCtj
 PμP°CtjPeC-PSCÍPsPSP° C,P° PrPμPjPμPSC†C-C"CH. PJ C...PsPrC- PeP»C-PSC-C†PSPëC...
 PrPsCÍP»C-PrP¶PμPSCtj PrC†P¶Pμ C†P°CÍC,Ps CÍPiPsCÍC,PμCtjC-PiP°P»PsCÍCÍ
 PiPsPiC-CtjC€PμPSPSCÍ CÍPëPjPiC,PsPjP°C,PëPePë C...PIPsCtjPsP±Pë PμP°CtjPeC-PSCÍPsPSP°
 C,P° PiP°P»CtjC†PëPSP°C†C-PNë, C†P°CÍC,C-C€Pμ, PSC-P¶ PiCtjPë PiCtjPëPNëPsPjC-
 PiP°P°C†PμP±Ps; PiCtjPë P»C-PeC†PIP°PSPSC- PiCÍPëC...PsC,PëC†PSPëC... CÍPëPjPiC,PsPjC-PI
 C,PμCtjP°PiC-CÍ PsP»P°PSP·P°PiC-PSPsPj PSPμ P±C†P»P° P±C-P»CHC€
 PμC,,PμPeC,PëPIPsPSCtj PiPsCtjC-PIPsCÍPSPs C-P· P·P°CÍC,PsCÍCrPIP°PSPSCÍPj
 B PiP°P°C†PμP±Ps. P— CÍP°PjPsPiPs PiPsC†P°C,PeC† C†PëC... PrPsCÍP»C-PrP¶PμPSCtj PIC-Pr
 PiP°C†C-C"PSC,C-PI PiPëPjP°PiP°P»PsCÍCÍ PiPsCÍC,C-PNëPSPμ P·P°CÍC,PsCÍPsPIC†PIP°PSPSCÍ
 PSP°PNëPjPμPSC€PsC— PμC,,PμPeC,PëPIPsPSC— PrPsP·Pë
 P°PSC,PëPiP°CtjPeC-PSCÍPsPSC-C†PSPëC... P»C-PeP°CtjCÍCHPePëC... P·P°CÍPsP±C-PI
 (P°PiPsPSC-CÍC,C-PI PrPsPiP°PjC-PSCr), P° C,P°PePsP¶ P·P°CÍC,PsCÍPsPIC†PIP°PSPSCÍ
 C,PëC... CÍP°PjPëC... P°PSC,PëPiP°CtjPeC-PSCÍPsPSC-C†PSPëC... P»C-PeP°CtjCÍCHPePëC...
 P·P°CÍPsP±C-PI C- PrPsP· PiCtjPsC,CÍPiPsPj CrCÍCHPsPiPs PrPsCÍP»C-PrP¶PμPSPSCÍ.
 PÿPμCtjP°PiC-CH PsP»P°PSP·P°PiC-PSPsPj P±C†P»Ps CtjPsP·PiPsC†P°C,Ps P· PrPsP·Pë 2,5
 PjPi/PrPsP±C†, CÍPeC† P·P±C-P»CHC€C†PIP°P»Pë C€P»CÍC...PsPj C,PëC,CtjC†PIP°PSPSCÍ PrPs
 PjP°PeCÍPëPjP°P»CHPSPsPiPs PiPsPeP°P·PSPëPeP° 15 PjPi/PrPsP±C†.

PkPμPNëCtjPsP»PμPiC,PëC†PSPëPNë P·P»PsCÍPeC-CÍPSPëPNë CÍPëPSPrCtjPsPj.
 PkPμPNëCtjPsP»PμPiC,PëC†PSPëPNë P·P»PsCÍPeC-CÍPSPëPNë CÍPëPSPrCtjPsPj (PkP—Pÿ) Btj"
 C†Pμ PiPsC,PμPSC†C-PNëPSPs P»PμC,P°P»CHPSPëPNë CÍPëPjPiC,PsPjPsPePsPjPiP»PμPeCÍ,
 PiPsPiBtj™ CÍP·P°PSPëPNë P· P°PSC,PëPiCÍPëC...PsC,PëC†PSPëPjPë PiCtjPμPiP°CtjP°C,P°PjPë.
 P C-PrPePs PiPsPIC-PrPsPjP»CÍP»PsCÍCÍ PiCtjPs PiPëPiP°PrPePë PkP—Pÿ PiCtjPë
 P·P°CÍC,PsCÍCrPIP°PSPSC- PsP»P°PSP·P°PiC-PSCr. PμP»C-PSC-C†PSPëPjPë PiCtjPsCÍPIP°PjPë
 PkP—Pÿ C" PiC-PiPμCtjPiC-CtjPμPeCÍC-CÍ, PjBtj™ CÍP·PsPIP° CtjPëPiC-PrPSC-CÍC,CH,
 PIC,CtjP°C,P° CÍPIC-PrPsPjPsCÍC,C- C,P° CÍPëPjPiC,PsPjPë CÍPμCtjC†PμPiPsC—
 PSPμCÍC,P°P±C-P»CHPSPsCÍC,C- (PSPμCtjPμPiC†P»CÍCtjPSC- PiC†P»CHCÍ P°P±Ps
 P·PjC-PSP° P°CtjC,PμCtjC-P°P»CHPSPsPiPs C,PëCÍPeC†, C,P°C...C-PeP°CtjPrC-CÍ,
 PiC-PrPiPëC%PμPSPμ PiPsC,PsPiPëPrC-P»PμPSPSCÍ C,P° CÍPμCtjC†PμPiP° P°CtjPëC,PjC-CÍ).
 P"PsPrP°C,PePsPIC- PsP·PSP°PePë PjPsP¶C†C,CH PiPeP»CtjC†P°C,Pë PiC-PrPiPëC%PμPSPëPNë
 CtjC-PIPμPSCtj PeCtjPμP°C,PëPSC-PSC,,PsCÍC,,PsPeC-PSP°P·Pë, PjC-PsPiP»PsP±C-PSCrCtjC-CH
 (CtjP°P±PrPsPjC-PsP»C-P·) C,P° PiPsCÍC,CtjCr PSPëCtjPePsPIC†
 PSPμPrPsCÍC,P°C,PSC-CÍC,CH. PμP»C-PSC-C†PSPëPNë PiCtjPsCÍPI PkP—Pÿ P°P±Ps
 PSP°CÍPIPsC-CÍC,CH PiC-PiPμCtjC,PμCtjPjC-C— P±PμP· PeP»C-PSC-C†PSPsPiPs
 PiCtjPsCÍPIC† PkP—Pÿ PiPsC,CtjPμP±C†C" PSPμPiP°PNëPSPsC— PIC-PrPjC-PSPë PICÍC-C...
 P°PSC,PëPiCÍPëC...PsC,PëC†PSPëC... P·P°CÍPsP±C-PI, PiPeP»CtjC†P°CtjC†Pë
 PsP»P°PSP·P°PiC-PS.B B

P"C-PiPμCtjPiP»C-PePμPjC-CÍ C- C†CzPeCtjPsPiPëPNë PrC-P°P±PμC,, PkPμC†P°CÍC,Ps
 PiPsPIC-PrPsPjP»CÍP»PsCÍCÍ PiCtjPs PiC-PiPμCtjPiP»C-PePμPjC-CH C,P° CtjPsP·PiPëC,PsPe
 C†C†PeCtjPsPiPsPiPs PrC-P°P±PμC,C† P°P±Ps PiPsPiC-CtjC€PμPSPSCÍ PiPμCtjPμP±C-PiC†
 PiP¶Pμ PSP°CÍPIPsPiPs C†C†PeCtjPsPiPsPiPs PrC-P°P±PμC,C†, P°CÍPsC†C-PNëPsPIP°PSPsPiPs
 P· PePμC,PsP°C†PëPrPsP·PsPj P°P±Ps PrC-P°P±PμC,PëC†PSPsCtj PePsPjPsCtj, P° C,P°PePsP¶
 PiCtjPs P»PμC,P°P»CHPSC- PiPëPiP°PrPePë. P†PSPsPrC- PiPsPIC-PrPsPjP»CÍP»PsCÍCÍ PiCtjPs
 PiPsPiPμCtjPμPrPSC" PiC-PrPiPëC%PμPSPSCÍ PjP°CÍPë C,C-P»P°, C%Ps PjPsPiP»Ps P±C†C,Pë

C,,P°PeC,PsCḡPsPj CḡPëP·PëPeCf.

P PμPePsPjPμPSPPrPsPIP°PSPs PiCḡPsPIPsPrPëC,Pë PIC-PrPiPsPIC-PrPSPëPNë
PeP»C-PSC-C†PSPëPNë PjPsPSC-C,PsCḡPëPSPi PiP°C†C-C”PSC,C-PI P· C†CfPeCḡPsPIPëPj
PrC-P°P±PμC,PsPj C,P° PiP°C†C-C”PSC,C-PI P· C,,P°PeC,PsCḡP°PjPë CḡPëP·PëPeCf
CḡPsP·PIPëC,PeCf C†CfPeCḡPsPIPsPiPs PrC-P°P±PμC,Cf, P·PsPeCḡPμPjP°
PIPëPjC-CḡCḡPIP°C,Pë CḡC-PIPμPSCḡ PiP»CḡPePsP·Pë PI PeCḡPsPIC- PSP° PiPsC†P°C,PeCf
P»C-PeCfPIP°PSPSCḡ, C†PμCḡPμP· 12 C,PëPḡPSC-PI, P° C,P°PePsPḡ C%PsCḡC-C†PSPs
PSP°PrP°P»C-. PμP°C†C-C”PSC,Pë, CḡPeC- PsC,CḡPëPjCfCḡC,ḡ P»C-PeCfPIP°PSPSCḡ
P°PSC,PëPiCfPëC...PsC,PëC†PSPëPjPë P·P°CfPsP±P°PjPë, PIPeP»CḡC†P°CḡC†Pë
PsP»P°PSP·P°PiC-PS, PiPsPIPëPSPSC- P±CfC,Pë PiC-Pr PSP°PiP»CḡPrPsPj CfC,PsCfPsPIPSPs
PiCḡPsCḡPIC-PI PiC-PiPμCḡPiP»C-PePμPjC-C— (C,P°PePëC... CḡPe PiPsP»C-PrPëPiCfC-Cḡ,
PiPsP»C-CfCḡC-Cḡ, PiPsP»C-C,,P°PiC-Cḡ C,P° CfP»P°P±PeC-CfC,ḡḡ). PμP°C†C-C”PSC,C-PI P·
C†CfPeCḡPsPIPëPj PrC-P°P±PμC,PsPj C,P° PiP°C†C-C”PSC,C-PI P· C,,P°PeC,PsCḡP°PjPë
CḡPëP·PëPeCf CḡPsP·PIPëC,PeCf PrC-P°P±PμC,Cf PSPμPsP±C...C-PrPSPs
CḡPμPiCfP»CḡCḡPSPs PePsPSC,CḡPsP»CḡPIP°C,Pë C%PsPrPs PiPsPiC-CḡCḡPμPSPSCḡ
CḡC-PIPSCḡ PePsPSC,CḡPsP»Cḡ PiP»CḡPePsP·Pë. PḡP»C-Pr CḡPμPiCfP»CḡCḡPSPs
PePsPSC,CḡPsP»CḡPIP°C,Pë PjP°CfCf C,C-P»P°, PSP°PiCḡPëPeP»P°Pr PSP° PiPsC†P°C,PeCf
P»C-PeCfPIP°PSPSCḡ, C†PμCḡPμP· 4 C,PëPḡPSC-, C†PμCḡPμP· 8 C,PëPḡPSC-PI C,P° C†PμCḡPμP·
12 C,PëPḡPSC-PI, P° C,P°PePsPḡ PsPrPëPS CḡP°P· PSP° PePIP°CḡC,P°P» PSP°PrP°P»C-.

PḡPSC,PëC...PsP»C-PSPμCḡPiC-C†PSP° P°PeC,PëPIPSC-CfC,ḡḡ. PJ C...PsPrC-
PeP»C-PSC-C†PSPëC... PrPsCfP»C-PrPḡPμPSCḡ PIPëCḡPIP»PμPSPs PSPëP·ḡḡPeCf
C†P°CfC,PsC,Cf CḡPsP·PIPëC,PeCf P°PSC,PëC...PsP»C-PSPμCḡPiC-C†PSPëC...
CḡPIPëC%. PhPrPSP°Pe C†PμCḡPμP· PsP±PjPμPḡPμPSPSCḡ PeP»C-PSC-C†PSPsPiPs
PrPsCfPIC-PrCf C%PsPrPs P·P°CfC,PsCfCfPIP°PSPSCḡ PsP»P°PSP·P°PiC-PSCf
PiP°C†C-C”PSC,P°Pj C-P· CfCfPiCfC,PSC-PjPë P·P°C...PIPsCḡCḡPIP°PSPSCḡPjPë
CfP»C-Pr P±CfC,Pë PsP±PμCḡPμPḡPSPëPjPë PiCḡPë PiCḡPëP·PSP°C†PμPSPSC-
PiCḡPμPiP°CḡP°C,Cf PiP°C†C-C”PSC,P°Pj C-P· PiC-PiPμCḡC,CḡPsC,,C-C”Cḡ
PiCḡPsCfC,P°C,Pë, PiP°CḡP°P»C-C,PëC†PSPsCḡ PePëCḡPePsPIPsCḡ
PSPμPiCḡPsC...C-PrPSC-CfC,Cḡ P°P±Ps PiPsPrC-P±PSPëPjPë CfC,P°PSP°PjPë.

PμPsPeP°P·PSPëPePë PiPμC†C-PSPePsPIPsC— C,,CḡPSPeC†C-C—. PμCḡPë
P·P°CfC,PsCfCfPIP°PSPSC- PsP»P°PSP·P°PiC-PSCf C†P°CfC,Ps
CfPiPsCfC,PμCḡC-PiP°P»PsCfCḡ C,CḡP°PSP·PëC,PsCḡPSPμ
P°CfPëPjPiC,PsPjP°C,PëC†PSPμ PiC-PrPIPëC%PμPSPSCḡ CḡC-PIPSCḡ
PiPμC†C-PSPePsPIPëC... C,CḡP°PSCfP°PjC-PSP°P·
P°P»P°PSC-PSP°PjC-PSPsC,CḡP°PSCfC,,PμCḡP°P·Pë (PḡP»PḡPḡ) C,P°
P°CfPiP°CḡC,P°C,P°PjC-PSPsC,CḡP°PSCfC,,PμCḡP°P·Pë (PḡCfPḡPḡ), PsCfPsP±P»PëPIPs
PSP° PiPsC†P°C,PeCf P»C-PeCfPIP°PSPSCḡ. PμP°C†C-C”PSC,P°Pj C-P·
PiC-PrPIPëC%PμPSPëPj CḡC-PIPSPμPj PḡP»PḡPḡ C,P°/C†Pë PḡCfPḡPḡ, PsP·PSP°PeP°PjPë
C,P° CfPëPjPiC,PsPjP°PjPë PiPsCḡCfCḡPμPSPSCḡ PrC-CḡP»CḡPSPsCfC,C-
PiPμC†C-PSPePë, CfC,P°PSP°PjPë, PiPsPIBḡ™ CḡP·P°PSPëPjPë P· PiPμC†C-PSPePsPIPsCḡ
PSPμPrPsCfC,P°C,PSC-CfC,Cḡ, P° C,P°PePsPḡ PiP°C†C-C”PSC,P°Pj, CḡPeC-
PiCḡPëPNëPjP°CḡC,ḡ PiPsC,PμPSC†C-PNëPSPs PiPμPiP°C,PsC,PsPeCfPëC†PSC-
PiCḡPμPiP°CḡP°C,Pë, PsP»P°PSP·P°PiC-PS CfP»C-Pr PiCḡPëP·PSP°C†P°C,Pë P·
PsP±PμCḡPμPḡPSC-CfC,Cḡ. PμCḡPë PIPëCḡPIP»PμPSPSC- PiPμPiP°C,PëC,Cf
(PIPeP»CḡC†P°CḡC†Pë PiPμPiP°C,PsC†PμP»CḡP»CḡCḡPSPμ,
C...PsP»PμCfC,P°C,PëC†PSPμ C†Pë P·PjC-CḡP°PSPμ CfCḡP°PḡPμPSPSCḡ

РіРµС±С-РSPePë) PsP»P°PSP·P°PіC-PS PSPµPsP±C...C-PrPSPs PIC-PrPjC-PSPëC,Pë.

PkPµPNεC,CḡPsPіPµPSC-Cḡ. PhP»P°PSP·P°PіC-PS PSPµPsP±C...C-PrPSPs
PіCḡPëP·PSP°C±P°C,Pë P· PsP±PµCḡPµPḡPSC-CḡC,Cḡ PіCḡPë PSPëP·CHPePsPjCḡ
CḡC-PIPS- P»PµPNεPePsC±PëC,C-PI C,P°/P°P±Ps PSPµPNεC,CḡPsC,,C-P»C-PI P·
P±CḡPrCH-CḡPePsC— PіCḡPëC±PëPSPë PіP°C±C-C”PSC,P°Pj, CḡPeC-
PsC,CḡPëPjCḡCḡC,Cḡ P»C-PeCḡPIP°PSPSCḡ PіCḡPµPіP°CḡP°C,P°PjPë, C%Ps
PjPsPḡCḡC,Cḡ CḡPіCḡPëC±PëPSPëC,Pë PSPµPNεC,CḡPsPіPµPSC-Cḡ,
PіP°C±C-C”PSC,P°Pj, CḡPeC- PjP°CḡC,Cḡ PI P°PSP°PjPSPµP·C-
PjPµPrPëPeP°PjPµPSC,PsP·PSPµ PіCḡPëPіPSC-C±PµPSPSCḡ/C,PsPeCḡPëC±PSPµ
CḡCḡP°PḡPµPSPSCḡ PeC-CḡC,PePsPIPsPіPs PjPsP·PeCḡ, PіP°C±C-C”PSC,P°Pj C-P·B
PіCḡPëPіPSC-C±PµPSPSCḡPj PeC-CḡC,PePsPIPsPіPs PjPsP·PeCḡ,
CḡPіCḡPëC±PëPSPµPSPëPj CḡCḡPіCḡC,PSC-PjPë P·P°C...PIPsCḡCḡPIP°PSPSCḡPjPë,
PsPіCḡPsPjC-PSPµPSPSCḡPj C±Pë C...C-PjC-PsC,PµCḡP°PіC-C”Cḡ, C,P°B
PіP°C±C-C”PSC,P°Pj C-P· PіC-PіPµCḡPµPsP·PëPSPsC,,C-P»C-C”Cḡ C,P°
PjC-C”P»PsPіCḡPsP»C-C,,PµCḡP°C,PëPIPSPëPj P·P°C...PIPsCḡCḡPIP°PSPSCḡPj.
PkPµPNεC,CḡPsPіPµPSC-Cḡ C” C±P°CḡC,PëPj PіPsP±C-C±PSPëPj PµC,,PµPeC,PsPj PіCḡPë
CḡCḡPjC-CḡPSPsPjCḡ P·P°CḡC,PsCḡCḡPIP°PSPSC- PIP°P»CHPіCḡPsP°C,Cḡ C,P°
PsP»P°PSP·P°PіC-PSCḡ.

PµCḡPëPіPëPSPµPSPSCḡ C,PµCḡP°PіC-C—. PµCḡPë CḡC-P·PePsPjCḡ
PіCḡPëPіPëPSPµPSPSC- C,PµCḡP°PіC-C— CḡC-PrPePs (≥ 0,01 % Bḡ” < 0,1 %)
PіPsPIC-PrPsPjP»CḡP»PsCḡCḡ PіCḡPs PіPsCḡC,CḡC- CḡPëPjPіC,PsPjPë, P·PsPeCḡPµPjP°
PіCḡPs PSP°PrPjC-CḡPSPµ PіPsC,PsPIPëPrC-P»PµPSPSCḡ, P±PµP·CḡPsPSPSCḡ,
C,CḡPµPjPsCḡ, CḡPsP·PrCḡP°C,PsPIP°PSC-CḡC,Cḡ, PSCḡPrPsC,Cḡ P°P±Ps
P±P»CḡPIP°PSPSCḡ.

QT-C-PSC,PµCḡPIP°P». Pj PeP»C-PSC-C±PSPëC... PrPsCḡP»C-PrPḡPµPSPSCḡC...
PIPëCḡPIP»PµPSPs PeP»C-PSC-C±PSPs P·PSP°C±CḡC%Pµ PіPsPrPsPIPḡPµPSPSCḡ
C-PSC,PµCḡPIP°P»Cḡ QTc Cḡ PіP°C±C-C”PSC,C-PI, CḡPeC- PіCḡPëPNεPjP°P»Pë
PsP»P°PSP·P°PіC-PS (QTcF [P· PіPsPіCḡP°PIPePsCḡ P·P° C,,PsCḡPjCḡP»PsCḡ
P»CḡPëPrPµCḡPëPeP°] ≥ 500 PjC-P»C-CḡPµPeCḡPSPḡ [PjCḡ] Cḡ P±CḡPrCH-CḡPePëPNε
C±P°Cḡ PіC-CḡP»Cḡ PіPsC±P°C,PeCḡ PrPsCḡP»C-PrPḡPµPSPSCḡ PrP»Cḡ
PіP°C±C-C”PSC,C-PI C-P· QTcF < 500 PjCḡ PSP° PіPsC±P°C,PeCḡ
PrPsCḡP»C-PrPḡPµPSPSCḡ P±CḡPI PSPµC±P°CḡC,PëPj Bḡ” PIC-Pr 0,1 % PrPs < 1%).
PµPsCḡC-PIPSḡPSPs P· PіP»P°C±PµP±Ps PSPµ P±CḡP»Ps CḡCḡC,C,C”PIPëC...
PIC-PrPjC-PSPSPsCḡC,PµPNε Cḡ C±P°CḡC,PsC,C- PіPsP±C-C±PSPëC... PµC,,PµPeC,C-PI P·
P±PsPeCḡ CḡPµCḡC±Cḡ. PhPrPSP°Pe CḡP»C-Pr P±CḡC,Pë PsP±PµCḡPµPḡPSPëPjPë PіCḡPë
PsPrPSPsC±P°CḡPSPsPjCḡ P·P°CḡC,PsCḡCḡPIP°PSPSC- PsP»P°PSP·P°PіC-PSCḡ P· C-PSCëPëPjPë
P»C-PeP°CḡCḡCHPePëPjPë P·P°CḡPsP±P°PjPë, CḡPeC- PіPsPrPsPIPḡCḡCḡC,Cḡ
C-PSC,PµCḡPIP°P» QTc, PsCḡPsP±P»PëPIPs Cḡ PіP°C±C-C”PSC,C-PI P»C-C,PSCHPsPіPs
PIC-PeCḡ, PіP°C±C-C”PSC,C-PI C-P· PіCḡPsPrPḡPµPSPëPj CḡPëPSPḡCḡPsPjPsPj
PіPsPrPsPIPḡPµPSPsPіPs C-PSC,PµCḡPIP°P»Cḡ QT, P·P°CḡC,C-PNεPSPsCḡ CḡPµCḡC±PµPIPsCḡ
PSPµPrPsCḡC,P°C,PSC-CḡC,Cḡ, PіC-PіPµCḡC,CḡPsC,,C-C”Cḡ CḡPµCḡC±Cḡ P°P±Ps
P·PSPëPḡPµPSPëPj CḡC-PIPSµPj PeP°P»C-Cḡ C±Pë PjP°PіPSC-Cḡ PI PeCḡPsPIC-.

PjCḡPsPjP±PsPµPjP±PsP»C-Cḡ. PµCḡPë P»C-PeCḡPIP°PSPSC- PsP»P°PSP·P°PіC-PSPsPj
PSPµC±P°CḡC,Ps PіPsPIC-PrPsPjP»CḡP»PsCḡCḡ PіCḡPs PIPëPіP°PrPePë

C...PsPrC- PeP»C-PSC-C‡PSPëC... PrPsCÍP»C-PrP¶PµPSCĤ. PİPe C- PİCĤPë
P»C-PeCÍPİP°PSPSC- C-PSC€PëPjPë P°PSC,PëPİCÍPëC...PsC,PëPeP°PjPë, PİC-Pr C‡P°CÍ
P·P°CÍC,PsCÍCÍPİP°PSPSCİ PsP»P°PSP·P°PİC-PSCÍ CĤPµPePsPjPµPSPPrCÍC”C,CHCÍCİ
PİPµCĤC-PsPrPëC‡PSPµ PİPëPjC-CĤCĤPİP°PSPSCİ P°CĤC,PµCĤC-P°P»CHPSPsPiPs
C,PëCÍPeCÍ PİP°C†C-C”PSC,P°Pj PIC-PePsPj PIC-Pr 65 CĤPsPeC-PI.

P P°PİC,PsPIP° CÍPµCĤC†PµPIP° CÍPjPµCĤC,CH. Pj PİPsCÍC,PjP°CĤPePµC,PëPSPİPsPIPëC...
P·PIC-C,P°C... PİPsPIC-PrPsPjP»CİP»PsCÍCİ PİCĤPs PİPëPİP°PrPePë CĤP°PİC,PsPIPSC—
CÍPµCĤC†PµPIPSC— CÍPjPµCĤC,C-. P’C-PrPİPsPIC-PrPSPs PrPs
CĤPµC,CĤPsCÍPİPµPeC,PëPİPSPsPiPs PsP±CÍPµCĤPIP°C†C-PNëPSPsPiPs
PePsPiPsCĤC,PSPsPiPs PrPsCÍP»C-PrP¶PµPSPSCİ, CĤPëP·PëPe CĤP°PİC,PsPIPSC—
CÍPµCĤC†PµPIPSC— CÍPjPµCĤC,C- CÍ PİP°C†C-C”PSC,C-PI, CİPeC-
PsC,CĤPëPjCÍPİP°P»Pë P»C-PeCÍPİP°PSPSCİ PsP»P°PSP·P°PİC-PSPsPj,
PİC-PrPİPëC%oCÍPİP°PICÍCİ PjP°PNëP¶Pµ PİPrPIC-C‡C- PİPsCĤC-PIPSCİPSPs P·
PİP°C†C-C”PSC,P°PjPë, CİPeC- PSPµ P·P°CÍC,PsCÍPsPICÍPİP°P»Pë
P°PSC,PëPİCÍPëC...PsC,PëPePë. P PëP·PëPe PİCĤPë P·P°CÍC,PsCÍCÍPİP°PSPSC-
PsP»P°PSP·P°PİC-PSCÍ PIC-PrPİPsPIC-PrP°C” C,P°PePsPjCÍ PİCĤPë
P·P°CÍC,PsCÍCÍPİP°PSPSC- P°C,PëPİPsPIPëC... P°PSC,PëPİCÍPëC...PsC,PëC‡PSPëC...
P·P°CÍPsP±C-PI, C%oPs P±CÍP»Pë PİPeP»CĤC‡PµPSC- PrPs PsP±BĤ™ C”PrPSP°PSPsPiPs
P°PSP°P»C-P·CÍ.

P>P°PeC,PsP·P°. P>C-PeP°CĤCÍCHPePëPNë P·P°CÍC-P± PjC-CÍC,PëC,CH P»P°PeC,PsP·CÍ,
C,PsPjCÍ PNëPsPiPs PSPµ PjPsP¶PSP° PİCĤPëP·PSP°C‡P°C,Pë C...PIPSCĤPëPj, CİPeC-
PjP°CĤC,CH CÍPİP°PrPePsPICÍ PSPµPİPµCĤPµPSPsCÍPëPjC-CÍC,CH P»P°PeC,PsP·Pë,
PrPµC,,C-C†PëC, P»P°PeC,P°P·Pë P°P±Ps CÍPëPSPPrCĤPsPj PİP»CĤPePsP·Ps-
PİP°P»P°PeC,PsP·PSPSC— PjP°P»CHP°P±CÍPsCĤP±C†C-C—.

P”PsPİP°PjC-PSPµCĤPiC-C‡PSPëPNë P°PSC,P°PiPsPSC-P·Pj. PhP»P°PSP·P°PİC-PS in vitro
PİCĤPsCİPİP»CİC” P°PSC,P°PiPsPSC-P·Pj PrPs PrPsPİP°PjC-PSCÍ C,P°
C,PµPsCĤPµC,PëC‡PSPs PjPsP¶Pµ PİCĤPsC,PëPrC-CİC,Pë PµC,,PµPeC,P°Pj
P»PµPIPSPPrPsPİPë C,P° P°PiPsPSC-CÍC,P°Pj PrPsPİP°PjC-PSCÍ, C,P°Pe CÍP°PjPs CİPe
C-PSC€C- P°PSC,PëPİCÍPëC...PsC,PëC‡PSC- P·P°CÍPsP±Pë.

P”P»CĤPePsP·P°. Pj C...PsPrC- PeP»C-PSC-C‡PSPëC... PrPsCÍP»C-PrP¶PµPSCĤ (PrPs 52
C,PëP¶PSC-PI) PsP»P°PSP·P°PİC-PS CÍPİCĤPëC‡PëPSCİPI P±C-P»CHC€C- P·PjC-PSPë
CĤC-PIPSCİ PİP»CĤPePsP·Pë PİPsCĤC-PIPSCİPSPs P· PİP»P°C†PµP±Ps.
P C-P·PSPëC†Cİ CÍ P·PjC-PSP°C... P·PSP°C‡PµPSCĤ PjC-P¶ PsP»P°PSP·P°PİC-PSPsPj
C,P° PİP»P°C†PµP±Ps P±CÍP»P° P±C-P»CHC€PsCĤ CÍ PİP°C†C-C”PSC,C-PI C-P·
CÍPëPjPİC,PsPjP°PjPë PrPëP·CĤPµPiCÍP»CİC†C-C— PİP»CĤPePsP·Pë PI
P°PSP°PjPSPµP·C- (PİPeP»CĤC‡P°CĤC‡Pë PİP°C†C-C”PSC,C-PI P· C†CÍPeCĤPsPIPëPj
PrC-P°P±PµC,PsPj P°P±Ps PİP°C†C-C”PSC,C-PI C-P· PİCĤPsCİPİP°PjPë
PiC-PİPµCĤPiP»C-PePµPjC-C—). Pj C†PëC... PİP°C†C-C”PSC,C-PI
CÍPİPsCÍC,PµCĤC-PİP°P»PsCÍCİ P·PSP°C‡PSPµ PİC-PrPİPëC%oPµPSPSCİ HbA1CÍ
PİPsCĤC-PIPSCİPSPs P· PİCĤCÍPİPsCĤ PİP»P°C†PµP±Ps.

P’C-PrCÍPsC,PePsPIPµ CÍPİC-PIPIC-PrPSPsC€PµPSPSCİ PİP°C†C-C”PSC,C-PI, CÍ CİPePëC...
P·PjC-PSPëPICÍCİ CĤC-PIPµPSCĤ PİP»CĤPePsP·Pë P· PSPsCĤPjP°P»CHPSPsPiPs P°P±Ps
PİCĤP°PSPëC‡PSPsPiPs PrPs PİPëCÍPsPePsPiPs, PİPsCÍC,C-PNëPSPs

P·P±C-P»CHC€CfPIP°P»PsCfCf.

P' P°PSP°P»C-P·P°C... PīP°C†C-C" PSC,C-PI, CŪPeC- PīCŭPsPN€C€P»Pë 9БҢ"12-PjC-CfCfCfPSCf C,PμCŭP°PīC-Cŭ PsP»P°PSP·P°PīC-PPSPj, PīC-PrPIPëC%PμPSPëPN€ CŭC-PIPμPSCŭ PīP»CŭPePsP·Pë Cŭ PeCŭPsPIC- P·PSPëPŭCfPIP°PICfCf CŭPμCŭPμP· 6 PjC-CfCfCfC-PI.

P—PjC-PPSPë CŭC-PIPSCf P»C-PīC-PrC-PI. PkPμP±P°PŭP°PSC- P·PjC-PPSPë CŭC-PIPSCf P»C-PīC-PrC-PI PjPsPŭCfC,CH CŭPīPsCfC,PμCŭC-PiP°C,PëCfCf Cŭ PīP°C†C-C" PSC,C-PI, CŪPeC- P»C-PeCfCŭC,CHCfCfCf PsP»P°PSP·P°PīC-PPSPj. P—PjC-PPSPë CŭC-PIPSCf P»C-PīC-PrC-PI CŭP»C-Pr P»C-PeCfPIP°C,Pë PSP°P»PμPŭPSPëPj CŭPëPSPsPj Cŭ PīP°C†C-C" PSC,C-PI C-P· PrPëCfP»C-PīC-PrPμPjC-C" Cŭ C,P° Cŭ PīP°C†C-C" PSC,C-PI C-P· C„P°PeC,PsCŭP°PjPë CŭPëP·PëPeCf CŭPsP·PIPëC,PeCf PīPsCŭCfC€PμPSCŭ PsP±PjC-PSCf P»C-PīC-PrC-PI. PμP°C†C-C" PSC,P°Pj, CŪPeC- PsC,CŭPëPjCfCŭC,CH P»C-PeCfPIP°PSPSCf P°PSC,PëPīCfPëC...PsC,PëCŭPSPëPjPë P·P°CfPsP±P°PjPë, PIPeP»CŭCŭP°CŭCŭPë PsP»P°PSP·P°PīC-PS, PSPμPsP±C...C-PrPSPs CŭPμPiCfP»CfCŭPSPs PePsPSC,CŭPsP»CŭPIP°C,Pë CŭC-PIPSC- P»C-PīC-PrC-PI Cŭ PeCŭPsPIC-, PSP°PīCŭPëPeP»P°Pr PSP° PīPsCŭP°C,PeCf P»C-PeCfPIP°PSPSCf, CŭPμCŭPμP· 12 C,PëPŭPSC-PI, P° C,P°PePsPŭ PePsPŭPSC- 5 CŭPsPeC-PI PSP°PrP°P»C-.

Pj C...PsPrC- PeP»C-PSC-CŭPSPëC... PrPsCfP»C-PrPŭPμPSCŭ, C%Ps C,CŭPëPIP°P»Pë P±C-P»CHC€Pμ 12 C,PëPŭPSC-PI, Cŭ PīP°C†C-C" PSC,C-PI, CŪPeC- PīCŭPëPN€PjP°P»Pë PsP»P°PSP·P°PīC-PS, CŭPīPsCfC,PμCŭC-PiP°P»PsCfCf PīC-PrPIPëC%PμPSPSCf CŭC-PIPSCf P·P°PīP°P»CHPSPsPiPs C...PsP»PμCfC,PμCŭPëPSCf, P»C-PīPsPīCŭPsC,PμC—PrC-PI PSPëP·CHPePsC— C%C-P»CHPSPsCfC,C- (P·PμPkP©) C- C,CŭPëPiP»C-CŭPμCŭPëPrC-PI PīPsCŭC-PIPSCfPSPs P· PīCŭCfPīPsCŭ PīP»P°C†PμP±Ps.

P—PSP°CŭPSPμ PīC-PrPIPëC%PμPSPSCf CŭC-PIPSCf P»C-PīC-PrC-PI (P·P°PīP°P»CHPSPsPiPs C...PsP»PμCfC,PμCŭPëPSCf, P»C-PīPsPīCŭPsC,PμC—PrC-PI PSPëP·CHPePsC— C%C-P»CHPSPsCfC,C-, C,CŭPëPiP»C-CŭPμCŭPëPrC-PI) CŭPīPsCfC,PμCŭC-PiP°P»PsCfCf CŭP°CfC,C-C€Pμ Cŭ PīP°C†C-C" PSC,C-PI P±PμP· PīPsCŭCfC€PμPSPSCf PsP±PjC-PSCf P»C-PīC-PrC-PI PI P°PSP°PjPSPμP·C-.

PkPμ CŭPīPsCfC,PμCŭC-PiP°P»PsCfCf CŭC,P°C,PëCfC,PëCŭPSPs PīC-PrC,PIPμCŭPrPŭPμPSPëC... PIC-PrPjC-PPSPsCfC,PμPN€ PīC-PrPIPëC%PμPSPSCf P»C-PīPsPīCŭPsC,PμC—PrC-PI PIPëCfPsPePsC— C%C-P»CHPSPsCfC,C- (P·PμP°P©) PjC-Pŭ PīP°C†C-C" PSC,P°PjPë, CŪPeC- PīCŭPëPN€PjP°P»Pë PsP»P°PSP·P°PīC-PS, C,P° PīP°C†C-C" PSC,P°PjPë, CŪPeC- PīCŭPëPN€PjP°P»Pë PīP»P°C†PμP±Ps.

PлC-P»CHPeC-CfPSPμ CŭPīC-PIPIC-PrPSPsC€PμPSPSCf PīP°C†C-C" PSC,C-PI, Cŭ CŪPePëC... P·PjC-PPSPëPICfCf CŭC-PIPμPSCŭ P·P°PīP°P»CHPSPsPiPs C...PsP»PμCfC,PμCŭPëPSCf, P»C-PīPsPīCŭPsC,PμC—PrC-PI PSPëP·CHPePsC— C%C-P»CHPSPsCfC,C- P°P±Ps C,CŭPëPiP»C-CŭPμCŭPëPrC-PI P· PSPsCŭPjP°P»CHPSPsPiPs P°P±Ps PīCŭP°PSPëCŭPSPsPiPs CŭC-PIPSCf PrPs PIPëCfPsPePsPiPs P°P±Ps P·PjC-PPSPëPICfCf CŭC-PIPμPSCŭ P»C-PīPsPīCŭPsC,PμC—PrC-PI PIPëCfPsPePsC— C%C-P»CHPSPsCfC,C- P· PSPsCŭPjP°P»CHPSPsPiPs P°P±Ps PīCŭP°PSPëCŭPSPsPiPs PrPs PSPëP·CHPePsPiPs, P±CfP»Ps P±C-P»CHC€PëPj Cŭ C...PsPrC- PrPsPIPiPsC,CŭPëPIP°P»PëC... PrPsCfP»C-PrPŭPμPSCŭ (PSPμ PjPμPSC€Pμ 48 C,PëPŭPSC-PI) PīPsCŭC-PIPSCfPSPs P· C,P°PePëPj PīCŭPë PePsCŭPsC,PePsC,PμCŭPjC-PPSPsPIPëC... PrPsCfP»C-PrPŭPμPSPSCfC.... PJ PīP°C†C-C" PSC,C-PI, CŪPeC- PīCŭPsPN€C€P»Pë 12-PjC-CfCfCfPSCf C,PμCŭP°PīC-Cŭ, CŭC-PIPμPSCŭ P·P°PīP°P»CHPSPsPiPs C...PsP»PμCfC,PμCŭPëPSCf PSPμ P·CŭPsCfC,P°PI PīC-CfP»Cf 4БҢ"6

PjC-CTCCTC-PI.

PŸCžC—CtPëPr. PħPsP¶P»PëPIC-CTC,CH CTİPİCĤPsP± CTİCrC—CtPëPrCr
PİCĤPëC,P°PjP°PSPSP° CİPe PİP°C†C-C”PSC,P°Pj C-P· CëPëP·PsC,,CĤPµPSC-C”CĤ,
C,P°Pe C- PİP°C†C-C”PSC,P°Pj C-P· P±C-PİPsP»CİCĤPSPëPj CĤPsP·P»P°PrPsPj I
C,PëPİCr, Cr P·PIBĤ™ CİP·PeCr P· C†PëPj PİPsC,CĤC-P±PSPs CĤPµC,PµP»CHPSPs
CTİPİPsCTİC,PµCĤC-PİP°C,Pë P·P° PİP°C†C-C”PSC,P°PjPë, CİPeC- PjP°CĤC,CH
PIPëCTİPsPePëPñ CĤPëP·PëPe CTİCrC—CtPëPrCr C,P° PsC,CĤPëPjCrCĤC,CH
C,PµCĤP°PİC-CĤ PsP»P°PSP·P°PİC-PSPsPj. P— PjPµC,PsCĤ P·PSPëP¶PµPSPSCİ
PjPsP¶P»PëPIPsCTİC,C- PİPµCĤPµPrPsP·CrPIP°PSPSCİ PİPsC,CĤC-P±PSPs
PIPëPİPëCTİCrPIP°C,Pë PsP»P°PSP·P°PİC-PS Cr C,P°P±P»PµC,PeP°C... PjP°P»PëPjPë
PeC-P»CHPePsCTİC,CİPjPë, PrPsCTİC,P°C,PSC-PjPë PrP»Cİ P·P°P±PµP·PİPµC†PµPSPSCİ
PSP°P»PµP¶PSPsPiPs P»C-PeCrPIP°P»CHPSPsPiPs PµC,,PµPeC,Cr.

PħP°CTİP° C,C-P»P°. PµPµCĤPµPr PİPsC†P°C,PePsPj C,PµCĤP°PİC-C—
PsP»P°PSP·P°PİC-PSPsPj CTİP»C-Pr PİCĤP°C...PsPICrPIP°C,Pë PİPsC,PµPSC†C-PñPSC-
PSP°CTİP»C-PrPePë PİC-PrPIPëC%PµPSPSCİ PjP°CTİPë C,C-P»P° PİP°C†C-C”PSC,P°.
PµP°C†C-C”PSC,Pë, CİPeC- PsC,CĤPëPjCrCĤC,CH P»C-PeCrPIP°PSPSCİ
PsP»P°PSP·P°PİC-PSPsPj, PİPsPIPëPSPSC- PİCĤPsC...PsPrPëC,Pë
CĤPµPİCrP»CİCĤPSPëPñ PjPsPSC-C,PsCĤPëPSPİ PjP°CTİPë C,C-P»P°.

PħPsPSPsC,PµCĤP°PİC-Cİ PsP»P°PSP·P°PİC-PSPsPj PrPsCĤPsCTİP»PëC.... PµC-Pr C†P°CTİ
P°PSP°P»C-P·Cr 13 PİP»P°C†PµP±Ps-PePsPSC,CĤPsP»CHPsPIP°PSPëC... PeP»C-PSC-C†PSPëC...
PrPsCTİP»C-PrP¶PµPSCĤ P±CrP»Ps PİPëCİPIP»PµPSPs, C%Ps CrB PİP°C†C-C”PSC,C-PI,
CİPeC- PsC,CĤPëPjCrPIP°P»Pë C,PµCĤP°PİC-CĤ PsP»P°PSP·P°PİC-PSPsPj,
CTİPİPsCTİC,PµCĤC-PİP°P»PsCTİCİ Pİ CTİPµCĤPµPrPSCĤPsPjCr PİC-PrPIPëC%PµPSPSCİ
PjP°CTİPë C,C-P»P° PSP° 2,6 PePİ PİPsCĤC-PIPSCİPSPs P· PİC,CĤP°C,PsCĤ PjP°CTİPë C,C-P»P° Pİ
CTİPµCĤPµPrPSCĤPsPjCr PSP° 0,3 PePİ Cr PİCĤCrPİC- PİP»P°C†PµP±Ps PİCĤPë PjPµPrC-P°PSC-
P·P°CTİC,PsCTİCrPIP°PSPSCİ 6 C,PëP¶PSC-PI; Cr 22,2 % PİP°C†C-C”PSC,C-PI C-P· C,PëC...,
CİPeC- PsC,CĤPëPjCrPIP°P»Pë C,PµCĤP°PİC-CĤ PsP»P°PSP·P°PİC-PSPsPj,
CTİPİPsCTİC,PµCĤC-PİP°P»PsCTİCİ PİC-PrPIPëC%PµPSPSCİ PjP°CTİPë C,C-P»P° PSPµ
PjPµPSCëPµ PSC-P¶ PSP° 7 % PjP°CTİPë PSP° PİPsC†P°C,PeCr P»C-PeCrPIP°PSPSCİ
PİPsCĤC-PIPSCİPSPs P· 3 % PİP°C†C-C”PSC,C-PI PİCĤCrPİPë PİP»P°C†PµP±Ps PİCĤPë
PjPµPrC-P°PSC- P·P°CTİC,PsCTİCrPIP°PSPSCİ 8 C,PëP¶PSC-PI; Cr 4,2 % PİP°C†C-C”PSC,C-PI
CTİPİPsCTİC,PµCĤC-PİP°P»PsCTİCİ P·P±C-P»CHCëPµPSPSCİ PjP°CTİPë C,C-P»P°
PİCĤPëPSP°PñPjPSC- PSP° 15 % PjP°CTİPë PSP° PİPsC†P°C,PeCr P»C-PeCrPIP°PSPSCİ
PİPsCĤC-PIPSCİPSPs P· 0,3 % PİP°C†C-C”PSC,C-PI PİCĤCrPİPë PİP»P°C†PµP±Ps PİCĤPë
PjPµPrC-P°PSC- P·P°CTİC,PsCTİCrPIP°PSPSCİ 12 C,PëP¶PSC-PI. PħP»C-PSC-C†PSPs
P·PSP°C†CrC%Pµ P·P±C-P»CHCëPµPSPSCİ PjP°CTİPë C,C-P»P°
CTİPİPsCTİC,PµCĤC-PİP°P»PsCTİCİ Cr PİCTİC-C... PeP°C,PµPİPsCĤC-Pñ PİP°C†C-C”PSC,C-PI P·P°
P†PħPŸ (C-PSPPrPµPeCTİ PjP°CTİPë C,C-P»P°). PµCĤPëPİPëPSPµPSPSCİ C,PµCĤP°PİC-C—
C†PµCĤPµP· P·P±C-P»CHCëPµPSPSCİ PjP°CTİPë C,C-P»P° PİC-PrP±CrP»PsCTİCİ Cr 0,2 %
PİP°C†C-C”PSC,C-PI, CİPeC- PsC,CĤPëPjCrPIP°P»Pë P»C-PeCrPIP°PSPSCİ
PsP»P°PSP·P°PİC-PSPsPj, PİPsCĤC-PIPSCİPSPs P· 0 % PİP°C†C-C”PSC,C-PI P· PİCĤCrPİPë
PİP»P°C†PµP±Ps.

Pj C...PsPrC- PrPsPIPİPsC,CĤPëPIP°P»PëC... PeP»C-PSC-C†PSPëC... PrPsCTİP»C-PrP¶PµPSCĤ
(PSPµ PjPµPSCëPµ 48 C,PëP¶PSC-PI) CTİPµCĤPµPrPSC” P·P±C-P»CHCëPµPSPSCİ PjP°CTİPë
C,C-P»P° Cr PİP°C†C-C”PSC,C-PI P±CrP»Ps 5,6 PePİ (PİCĤPë PjPµPrC-P°PSC-
P·P°CTİC,PsCTİCrPIP°PSPSCİ 573 PrPSC-; N = 2021). PħC-P»CHPeC-CTİC,CH

$\text{P}^{\text{IP}^{\circ}\text{C}^{\dagger}\text{C}-\text{C}^{\text{PSC},\text{C-PI}}, \text{C}^{\dagger} \text{C}^{\text{PIPeP}^{\text{eC}}}\dots \text{C}^{\dagger}\text{P}^{\text{IPsC}^{\dagger}\text{C}}, \text{P}_{\mu}\text{C}^{\text{H}}\text{C}-\text{P}^{\text{IP}^{\circ}\text{P}}\rangle\text{PsC}^{\dagger}\text{C}^{\dagger} \text{P}^{\circ}\text{P}\pm\text{C}-\text{P}\rangle\text{CHC}^{\text{e}}\text{P}_{\mu}\text{PSPSC}^{\dagger}$
 $\text{P}^{\text{J}^{\text{P}^{\circ}\text{C}^{\dagger}\text{P}^{\text{e}}}} \text{C}, \text{C}-\text{P}\rangle\text{P}^{\circ} \text{PSP}_{\mu} \text{P}^{\text{J}^{\text{P}_{\mu}\text{PSC}}\text{€}} \text{PSC}-\text{P}^{\text{¶}} \text{PSP}^{\circ} 7 \%, 15 \%, \text{P}^{\circ}\text{P}\pm\text{Ps} 25 \%, \text{P}^{\text{IPsC}^{\dagger}\text{P}^{\circ}\text{C}}, \text{PePsPIP}^{\text{PsC}}-\text{P}^{\text{J}^{\text{P}^{\circ}\text{C}^{\dagger}\text{P}^{\text{e}}}} \text{P}^{\text{e}}, \text{P}^{\text{IC}^{\text{H}}\text{P}^{\text{e}}} \text{PrPsPIP}^{\text{IPsC}}, \text{C}^{\text{H}}\text{P}^{\text{e}}\text{PIP}^{\circ}\text{P}\rangle\text{PsP}^{\text{J}^{\text{C}^{\dagger}}} \text{P}^{\circ}\text{P}^{\circ}\text{C}^{\dagger}\text{C}, \text{PsC}^{\dagger}\text{C}^{\dagger}\text{PIP}^{\circ}\text{PSPSC}-\text{PsP}\rangle\text{P}^{\circ}\text{PSP}^{\circ}\text{P}^{\circ}\text{P}^{\text{IC}}-\text{PSC}^{\dagger} \text{C}^{\dagger}\text{C}, \text{P}^{\circ}\text{PSPsPIP}^{\text{eP}}\rangle\text{P}^{\circ} 64 \%, 32 \% \text{B} \text{C}, \text{P}^{\circ} 12 \% \text{PIC}-\text{PrP}^{\text{IPsPIC}}-\text{PrPSPs}.$
 $\text{P}_{\mu}\text{C}^{\text{H}}\text{P}^{\text{e}}\text{P}^{\text{IP}^{\text{e}}}\text{PSP}_{\mu}\text{PSPSC}^{\dagger} \text{C}, \text{P}_{\mu}\text{C}^{\text{H}}\text{P}^{\circ}\text{P}^{\text{IC}}-\text{C}-\text{C}^{\dagger}\text{P}_{\mu}\text{C}^{\text{H}}\text{P}_{\mu}\text{P}^{\circ} \text{P}^{\circ}\text{P}\pm\text{C}-\text{P}\rangle\text{CHC}^{\text{e}}\text{P}_{\mu}\text{PSPSC}^{\dagger} \text{P}^{\text{J}^{\text{P}^{\circ}\text{C}^{\dagger}\text{P}^{\text{e}}}} \text{C}, \text{C}-\text{P}\rangle\text{P}^{\circ} \text{PIC}-\text{PrP}^{\pm}\text{C}^{\dagger}\text{P}\rangle\text{PsC}^{\dagger}\text{C}^{\dagger} \text{C}^{\dagger} 0,4 \%, \text{P}^{\text{IP}^{\circ}\text{C}^{\dagger}\text{C}-\text{C}^{\text{PSC},\text{C-PI}}, \text{C}^{\dagger}\text{P}^{\text{eC}}-\text{PsC}, \text{C}^{\text{H}}\text{P}^{\text{e}}\text{P}^{\text{J}^{\text{C}^{\dagger}}}\text{PIP}^{\circ}\text{P}\rangle\text{P}^{\text{e}} \text{P}\rangle\text{C}-\text{PeC}^{\dagger}\text{PIP}^{\circ}\text{PSPSC}^{\dagger} \text{PsP}\rangle\text{P}^{\circ}\text{PSP}^{\circ}\text{P}^{\circ}\text{P}^{\text{IC}}-\text{PSPsP}^{\text{J}} \text{P}^{\text{IC}^{\text{H}}}\text{PsC}, \text{C}^{\dagger}\text{P}^{\text{IPsP}^{\text{J}}} \text{PSP}_{\mu} \text{P}^{\text{J}^{\text{P}_{\mu}\text{PSC}}\text{€}} \text{PSC}-\text{P}^{\text{¶}} 48 \text{C}, \text{P}^{\text{eP}^{\text{¶}}}\text{PSC}-\text{PI}.$

PsP»P°PSP·P°PīC-PSCř Cř PīP°C†C-C"°PSC,C-PI P»C-C,PSCHbPsPiPs PIC-PeCř C-P·
 PīCĬPēC...PsP·PsPj, PīPsPIbĤ™ CĬP·P°PSPēPj P· PrPμPjPμPSC†C-C"°CĤ (n = 1184),
 CĬPīPsCĬC,PμCĤC-PiP°P»PēCĬCĬ C,P°PeC- PīPsP±C-C†PSC- CĤPμP°PeC†C-C—,
 PīPsPIbĤ™ CĬP·P°PSC- C-P· C,PμCĤP°PīC-C"°CĤ, C-P· C†P°CĬC,PsC,PsCĤ
 PIPēPSPēPePSPμPSPSCĬ PSPμ PjPμPSCēPμ 2 %, CĬPeP° P·PSP°C†CřC°Ps
 PīPμCĤPμPIPēC°CřPīP°P»P° C,P°PeCř Cř PīP°C†C-C"°PSC,C-PI PiCĤCřPīPē PīP»P°C†PμP±Ps:
 PīP°PrC-PSPSCĬ, CĬPsPSP»PēPIC-CĬC,CHb, PīPμCĤPēC,,PμCĤPēC†PSC- PSP°P±CĤCĬPePē,
 PīPsCĤCřCēPμPSPSCĬ C...PsPrPē, PSPμC,CĤPēPjP°PSPSCĬ CĬPμC†C-, P»PμC,P°CĤPīC-CĬ,
 P·P±C-P»CHbCēPμPSPSCĬ PjP°CĬPē C,C-P»P°, P°CĬC,PμPSC-CĬ, PīC-CĤPμPeCĬC-CĬ,
 PīPSPμPIPjPsPSC-CĬ, PIC-PrC†CřC,C,CĬ CĬCřC...PsCĬC,C- PI CĤPsC,C- C,P° P·PsCĤPsPIC-
 PīP°P»CĤC†PēPSP°C†C-C—. PšP°CĬC,PsC,P° PīCĤPēPīPēPSPμPSPSCĬ C,PμCĤP°PīC-C—
 C†PμCĤPμP· PīPsP±C-C†PSC- CĬPIPēC°P° P±CřPI PIPēC°PēPNē Cř PiCĤCřPīC-, CĬPeP°
 PsC,CĤPēPjCřPīP°P»P° PsP»P°PSP·P°PīC-PS, PīPsCĤC-PIPSĬPSPs P· PīP»P°C†PμP±Ps (13 %
 PīPsCĤC-PIPSĬPSPs P· 7 %). PJ PīP°C†C-C"°PSC,C-PI P»C-C,PSCHbPsPiPs PIC-PeCř C-P·
 PīCĬPēC...PsP·PsPj, PīPsPIbĤ™ CĬP·P°PSPēPj P· PrPμPjPμPSC†C-C"°CĤ, CĬPeC-
 PsC,CĤPēPjCřCĤC,CHb PsP»P°PSP·P°PīC-PS, PIPēC°PēPNē CĤC-PIPμPSCHb
 P»PμC,P°P»CHbPSPsCĬC,C- PīPsCĤC-PIPSĬPSPs P· PiCĤCřPīPsCĤ PīP»P°C†PμP±Ps.
 PhP»P°PSP·P°PīC-PS PSPμ PīPsPeP°P·P°PSPēPNē PrP»CĬ P»C-PeCřPīP°PSPSCĬ
 PīP°C†C-C"°PSC,C-PI P»C-C,PSCHbPsPiPs PIC-PeCř C-P· PīCĬPēC...PsP·PsPj,
 PīPsPIbĤ™ CĬP·P°PSPēPj P· PrPμPjPμPSC†C-C"°CĤ. PhP»P°PSP·P°PīC-PS PSPμ
 P·P°CĬC,PsCĬPsPICřPīP°PICĬCĬ PI PrPsCĬC,P°C,PSC-PNē PeC-P»CHbPePsCĬC,C-
 PIPēPīP°PrPeC-PI PīP°C†C-C"°PSC,P°Pj P· PSPμC°PsPrP°PIPSC-Pj C-PSC,,P°CĤPeC,PsPj
 PjC-PsPeP°CĤPrP° P°P±Ps PSPμCĬC,P°P±C-P»CHbPSPēPj CĬPμCĤC†PμPIPēPj
 P·P°C...PIPsCĤCĤPIP°PSPSCĬPj. PμP°C†C-C"°PSC,Pē P· PIPēC°PμPIPēP°P·P°PSPēPjPē
 PrC-P°PiPSPsP·P°PjPē P±CřP»Pē PIPēPeP»CĤC†PμPSC- P· PīCĤPμPjP°CĤPePμC,PēPSiPsPIPēC...
 PeP»C-PSC-C†PSPēC... PrPsCĬP»C-PrP¶PμPSCHb. PŸP»C-Pr P· PsP±PμCĤPμP¶PSC-CĬC,CĤ
 P·P°CĬC,PsCĬPsPICřPīP°C,Pē PsP»P°PSP·P°PīC-PS PrP»CĬ P»C-PeCřPīP°PSPSCĬ
 PīP°C†C-C"°PSC,C-PI C-P· CĬPμCĤC†PμPIPēPjPē P·P°C...PIPsCĤCĤPIP°PSPSCĬPjPē C†PμCĤPμP·
 CĤPēP·PēPe PIPēPSPēPePSPμPSPSCĬ PsCĤC,PsCĬC,P°C,PēC†PSPsC— PiC-PīPsC,PμPSP·C-C—.

*P»P°P±PsCĤP°C,PsCĤPSC- PrPsCĬP»C-PrP¶PμPSPSCĬ. P PμPePsPjPμPSPPrCřC"°C,CHbCĬCĬ
 PePsPSC,CĤPsP»CĤPIP°C,Pē PīP»CĤPePsP·Cř PSP°C,C°Pμ C,P° P»C-PīC-PrPSPēPNē
 PīCĤPsC,,C-P»CHb PSP° PīPsC†P°C,PeCř P»C-PeCřPīP°PSPSCĬ C,P° PīPμCĤC-PsPrPēC†PSPs
 PīC-Pr C†P°CĬ P»C-PeCřPīP°PSPSCĬ.*

*P"C-PiPμCĤPīCĤPsP»P°PeC,PēPSPμPjC-CĬ. PīPe C- C-PSCēC- P·P°CĬPsP±Pē P·
 PIP»P°CĬC,PēPIPsCĬC,CĬPjPē P°PSC,P°PiPsPSC-CĬC,C-PI PrPsPīP°PjC-PSPsPIPēC...
 CĤPμC†PμPīC,PsCĤC-PI D₂, PsP»P°PSP·P°PīC-PS PīC-PrPIPēC°CřC"°PI PeCĤPsPIC-
 CĤC-PIPS- PīCĤPsP»P°PeC,PēPSCř, C- C†Pμ PīC-PrPIPēC°PμPSPSCĬ
 P·P±PμCĤC-PiP°C"°C,CHbCĬCĬ PīCĤPē C,CĤPēPIP°P»PsPjCř P·P°CĬC,PsCĬCřPīP°PSPSC-.
 P"C-PiPμCĤPīCĤPsP»P°PeC,PēPSPμPjC-CĬ PjPsP¶Pμ PīCĤPēPiPSC-C†CřPīP°C,Pē
 PiC-PīPsC,P°P»P°PjC-C†PSPēPNē PīPsCĤPjPsPS GnRH, CĤPμP·CřP»CHbC,P°C,PsPj
 C†PsPiPs C"° P·PSPēP¶PμPSPSCĬ CĬPμPeCĤPμC†C-C— PīC-C,CřC—C,P°CĤPSPsPiPs
 PīPsPSP°PrPsC,CĤPsPīC-PSCř. PīPμ, PI CĬPIPsCĤ C†PμCĤPīCř, PjPsP¶Pμ
 C-PSPiC-P±CřPīP°C,Pē CĤPμPīCĤPsPrCřPeC,PēPIPSČř C,,CřPSPeC†C-CĤ CēP»CĬC...PsPj
 PīPsCĤCřCēPμPSPSCĬ PīPsPSP°PrPSPsPiPs CĬPīPμCĤPjP°C,PsPiPμPSPμP·Cř CĬPe Cř
 C†PsP»PsPIC-PeC-PI, C,P°Pe C- Cř P¶C-PSPsPe. PμPsPIC-PrPsPjP»CĬP»PsCĬCĬ PīCĤPs
 PīP°P»P°PeC,PsCĤPμCĤ, P°PjPμPSPsCĤPμCĤ, PiC-PSPμPePsPjP°CĬC,C-CĤ C,P°
 C-PjPīPsC,PμPSC†C-CĤ Cř PīP°C†C-C"°PSC,C-PI, CĬPeC- PsC,CĤPēPjCřPīP°P»Pē
 PīCĤPμPīP°CĤP°C,Pē, C°Ps PīC-PrPIPēC°CřPīP°P»Pē CĤC-PIPμPSCHb*

ΠῖCῥPcP»P°PeC,PēPSCr. P°PsPIPiPsC,CῥPēPIP°P»P°
PiC-PiPμCῥPiCῥPcP»P°PeC,PēPSPμPjC-CI, P°CῖPsC†C-PN₂PsPIP°PSP° C-P.
PiC-PiPsPiPsPSP°PrPēP·PjPsPj, PjPsP¶Pμ PiCῥPēP·PIPμCῖC,Pē PrPs P·PSPēP¶PμPSPSCII
C%oC-P»CHBPSPsCῖC,C- PeC-CῖC,PsPe CIPe Cr C‡PsP»PsPIC-PeC-PI, C,P°Pe C- Cr
P¶C-PSPsPe.

P°PsPrP°C,PePsPIC- PrPsCῖP»C-PrP¶PμPSPSCII/ P»P°P±PsCῥP°C,PsCῥPSC- PrP°PSC-.
P°PμCῥCrC‡Pē PrPs CrPIP°PiPē, C%oPs Cr C...PsPrC- PrPμCIPePēC... PrPsCῖP»C-PrP¶PμPSCḤ
PSP° C,PIP°CῥPēPSP°C... CῖPiPsCῖC,PμCῥC-PiP°P»P°CῖCI PSPμPN₂C,CῥPsPiPμPSC-CI,
P°CῖPsC†C-PN₂PsPIP°PSP° C-P. PiCῥPēPN₂PsPjPsPj C-PSC€PēC... PiCῖPēC...PsC,CῥPsPiPSPēC...
PePsPjPiPsPSPμPSC,C-PI, C,P° P»PμPN₂PePsPiPμPSC-CI, P°CῖPsC†C-PN₂PsPIP°PSP° C-P.
PiCῥPēPN₂PsPjPsPj PsP»P°PSP·P°PiC-PSCr (PrPēPI. B«PῥPsPeCῖPēPePsP»PsPiC-C‡PSC-
PrPsCῖP»C-PrP¶PμPSPSCII PSP° C,PIP°CῥPēPSP°C...B» PSPēP¶C‡Pμ),
PiPμPjP°C,PsP»PsPiC-C‡PSC- PiP°CῥP°PjPμC,CῥPē PsC†C-PSCḤPIP°P»PēCῖCH P·
PsCῖPsP±P»PēPIPsCḤ CrPIP°P¶PSC-CῖC,CḤ Cr PiCῥPμPjP°CῥPePμC,PēPSPiPsPIPēC...
PrPsCῖP»C-PrP¶PμPSPSCII C... PsP»P°PSP·P°PiC-PSCr. Pj C‡PēC...
PrPsCῖP»C-PrP¶PμPSPSCII C... PSPμ P±CrP»Ps PIPēCIPIP»PμPSPs CῥPēP·PēPeCr
PIPēPSPēPePSPμPSPSCII PeP»C-PSC-C‡PSPs P·PSP°C‡CrC%oPsC— PSPμPN₂C,CῥPsPiPμPSC-C—,
PiPsPIBῥ™ CIIP·P°PSPsC— P· P»C-PeCrPIP°PSPSCII Pj PsP»P°PSP·P°PiC-PSPsPj.

PμPsCῖC,PjP°CῥPePμC,PēPSPiPsPIC- P·PIC-C,Pē.

P—PIC-C,Pē PiCῥPs PiPsP±C-C‡PSC- CῥPμP°PeC†C-C— P· PjPsPjPμPSC,Cr PIPēC...PsPrCr
PsP»P°PSP·P°PiC-PSCr PSP° CῥPēPSPsPe, CIPeC- P±CrP»Pē P·P° C‡P°CῖPsPj
PiPsPIBῥ™ CIIP·P°PSC- (P°P»Pμ PSPμ PsP±PsPIBῥ™ CIIP·PePsPIPs CῖPiCῥPēC‡PēPSPμPSC-) P·
C,PμCῥP°PiC-CḤ PsP»P°PSP·P°PiC-PSPsPj, PIPeP»CḤC‡P°P»Pē PSPμPN₂C,CῥPsPiPμPSC-CḤ.

PῥPsPeCῖPēPePsP»PsPiC-C‡PSC- PrPsCῖP»C-PrP¶PμPSPSCII PSP° C,PIP°CῥPēPSP°C....

PμC-Pr C‡P°Cῖ PrPsCῖP»C-PrP¶PμPSCḤ PsP»P°PSP·P°PiC-PSCr PSP° C,PIP°CῥPēPSP°C...
PsCῖPSPsPIPSPēPjPē PiPμPjP°C,PsP»PsPiC-C‡PSPēPjPē PiPsCῥCrC€PμPSPSCII PjPē P±CrP»Pē
PsP±PsCῥPsC,PSP° PiPμCῥPēC,,PμCῥPēC‡PSP° C‡PēC,PsPiPμPSC-CI PI PsPeCῥPμPjPēC...
PsCῖPsP±PēPS CῖPsP±P°Pe PiCῥPē PrPsP·CrPIP°PSPSC- 10 PjPi/PePi (Cr 17 CῥP°P·C-PI
P±C-P»CHC€Pμ P·P° PjP°PeCῖPēPjP°P»CHBPSCr CῥPμPePsPjPμPSPPrPsPIP°PSCr PrPμPSPSCr
PiPμCῥPsCῥP°P»CHBPSCr PrPsP·Cr PrP»CI P»CḤPrPēPSPē PiCῥPē CῥPsP·CῥP°C...CrPSPeCr
PrPsP·Pē Cr PjPi/Pj² PiPsPIPμCῥC...PSC- C,C-P»P°), PrPsP·PsP·P°P»PμP¶PSPμ P·PSPēP¶PμPSPSCII
PeC-P»CHPePsCῖC,C- P»C-PjC,,PsC†PēC,C-PI C- PSPμPN₂C,CῥPsC,,C-P»C-PI Cr PjPēC€PμPN₂ C-
P»C-PjC,,PsPiPμPSC-CI Cr C%oCrCῥC-PI. Pj PeC-P»CHPePsC... CῖPsP±P°Pe, CIPeC-
PsC,CῥPēPjCrPIP°P»Pē PrPsP·Pē 10 PjPi/PePi, CῥPsP·PIPēPSCrP»P°CῖCH PsP±PsCῥPsC,PSP°
PSPμPN₂C,CῥPsPiPμPSC-CI C,P°/P°P±Ps PsP±PsCῥPsC,PSP° PiPμPjPsP»C-C,PēC‡PSP°
P°PSPμPjC-CI Cr PiPμCῥC-PsPr PjC-P¶ 1 C- 10 PjC-CῖCIIC†CIIPjPē P»C-PeCrPIP°PSPSCII.
P°PsP·PsP·P°P»PμP¶PSPμ P·PSPēP¶PμPSPSCII PeC-P»CHPePsCῖC,C- P»C-PjC,,PsC†PēC,C-PI C-
PSPμPN₂C,CῥPsC,,C-P»C-PI PIC-PrP·PSP°C‡P°P»PsCῖCI PI PjPēC€PμPN₂, C%oPs
PsC,CῥPēPjCrPIP°P»Pē PrPsP·Cr 10 PjPi/PePi (PrPsCῥC-PIPSCHC° PrPIPsCῥP°P·PsPIC-PN₂
PjP°PeCῖPēPjP°P»CHBPSC-PN₂ CῥPμPePsPjPμPSPPrPsPIP°PSC-PN₂ C%oPsPrPμPSPSC-PN₂
PiPμCῥPsCῥP°P»CHBPSC-PN₂ PrPsP·C- PrP»CI P»CḤPrPēPSPē PiCῥPē CῥPsP·CῥP°C...CrPSPeCr
PrPsP·Pē Cr PjPi/Pj² PiPsPIPμCῥC...PSC- C,C-P»P°) Cr C...PsPrC- PrPsCῖP»C-PrP¶PμPSCḤ
C,CῥPēPIP°P»C-CῖC,CḤ 3 PjC-CῖCIIC†C-. PkPμCῖPiPμC†PēC,,C-C‡PSP° P»C-PjC,,PsPiPμPSC-CI,
PIC-PrPiPsPIC-PrPSPs PrPs P·PSPēP¶PμPSPSCII PiCῥPēCῥPsCῖC,Cr PjP°CῖPē C,C-P»P°,
CῖPiPsCῖC,PμCῥC-PiP°P»P°CῖCI Cr C%oCrCῥC-PI, CIPeC- PsC,CῥPēPjCrPIP°P»Pē PrPsP·Cr
22,5 PjPi/PePi (Cr 11 CῥP°P·C-PI P±C-P»CHC€Pμ P·P° PjP°PeCῖPēPjP°P»CHBPSCr

PePsPSC,CTjPsP»CHPIP°C,Pë CÍC,P°PS PSPsPIPsPSP°CTjPsPrP¶PµPSPëC....

PµCTjPë PrPsCÍP»C-PrP¶PµPSPSC- P·PrPsCTjPsPIPëC... P¶C-PSPsPe, C¶PeC- PiPsPrCÍPIP°P»Pë PiCTjCÍPrPrCTH, PsP»P°PSP·P°PíC-PS P±CÍP»Ps PIPëC¶PIP»PµPSPs CÍ PiCTjCÍPrPSPsPjCÍ PjPsP»PsC†C-. PŸPµCTjPµPrPSC¶ PrPsP·P° PrP»C¶ PSPµPjPsPIP»C¶C,Pë (PjPi/PePi) P±PµP·CTjPëP·PëPeCÍ PrP»C¶ PSCHPsPiPs PsC†C-PSCHPIP°P»P°CÍC¶ C¶Pe 1,8 % PjP°C,PµCTjPëPSCÍCHPePsC— PrPsP·Pë (PjPi/PePi). PµP°C†C-C''PSC,PeP°Pj CTjPµPePsPjPµPSPPrCÍC''C,CHCÍC¶ PSPµ PiPsPrCÍPIP°C,Pë PSPµPjPsPIP»C¶C, PiCTjCÍPrPrCTH, C¶PeC‰Ps PIPsPSPë PiCTjPëPµPjP°CCHC,CH PsP»P°PSP·P°PíC-PS.

PµPµCTjC,PëP»CHPSC-CÍC,CH. P'PiP»PëPI PSP° C,,PµCTjC,PëP»CHPSC-CÍC,CH PSPµPIC-PrPsPjPëPµ (PrPsPeP»C-PSC-C†PSC- PrP°PSC- PrPëPI. CÍ CTjPsP·PrC-P»C- B«P''PsPeP»C-PSC-C†PSC- PrP°PSC- P· P±PµP·PiPµPePëB» PIPëC‰Pµ).

P—PrP°C,PSC-CÍC,CH PIPiP»PëPIP°C,Pë PSP° C¶PIPëPrPeC-CÍC,CH CTjPµP°PeC†C-C— PiCTjPë PePµCTjC¿PIP°PSPSC- P°PIC,PsC,CTjP°PSCÍPiPsCTjC,PsPj P°P±Ps C-PSC¶PëPjPë PjPµC...P°PSC-P·PjP°PjPë.

P''PsCÍP»C-PrP¶PµPSCH PIPiP»PëPICÍ PsP»P°PSP·P°PíC-PSCÍ PSP° C¶PIPëPrPeC-CÍC,CH CTjPµP°PeC†C-C— PiCTjPë PePµCTjCÍPIP°PSPSC- P°PIC,PsC,CTjP°PSCÍPiPsCTjC,PsPj P°P±Ps CTjPsP±PsC,C- P· C-PSC¶PëPjPë PjPµC...P°PSC-P·PjP°PjPë PSPµ PiCTjPsPIPsPrPëP»Pë. PhCÍPeC-P»CHPePë PsP»P°PSP·P°PíC-PS PjPsP¶Pµ CÍPiCTjPëC†PëPSPëC,Pë CÍPsPSP»PëPIC-CÍC,CH C,P° P·P°PiP°PjPsCTjPsC†PµPSPSC¶, PiP°C†C-C''PSC,C-PI CÍP»C-Pr PiPsPiPµCTjPµPrPëC,Pë PiCTjPs PSPµP±PµP·PiPµPeCÍ, PiPsPIBj™ C¶P·P°PSCÍ P· PµPeCÍPiP»CÍP°C,P°C†C-C''CT PjPµC...P°PSC-P·PjC-PI, CÍ C,. C†. P°PIC,PsC,CTjP°PSCÍPiPsCTjC,PSPëC... P·P°CÍPsP±C-PI.

PŸPiPsCÍC-P± P·P°CÍC,PsCÍC¿PIP°PSPSC¶ C,P° PrPsP·Pë.

P''PsCTjPsCÍP»C-.

PëPëP·PsC,,CTjPµPSC-C¶. P PµPePsPjPµPSPPrPsPIP°PSP° PiPsC†P°C,PePsPIP° PrPsP·P° PsP»P°PSP·P°PíC-PSCÍ CÍC,P°PSPsPIPëC,CH 10 PjPi 1 CTjP°P· PSP° PrPsP±CÍ.

PµP°PSC-P°PeP°P»CHPSC- PµPiC-P·PsPrPë. P PµPePsPjPµPSPPrPsPIP°PSP° PiPsC†P°C,PePsPIP° PrPsP·P° PsP»P°PSP·P°PíC-PSCÍ C¶Pe PjPsPSPsC,PµCTjP°PíC-C— CÍC,P°PSPsPIPëC,CH B B B B 15 PjPi PSP° PrPsP±CÍ P°P±Ps 10 PjPi PSP° PrPsP±CÍ PiCTjPë PePsPjP±C-PSPsPIP°PSPsPjCÍ P»C-PeCÍPIP°PSPSC-.

PµCTjPsC,,C-P»P°PeC,PëPeP° PiPsPIC,PsCTjPSPëC... PSP°PiP°PrC-PI C¿ PiP°C†C-C''PSC,C-PI P· P±C-PiPsP»C¶ICTjPSPëPjPë CTjPsP·P»P°PrP°PjPë. P PµPePsPjPµPSPPrPsPIP°PSP° PiPsC†P°C,PePsPIP° PrPsP·P° CÍC,P°PSPsPIPëC,CH 10 PjPi PSP° PrPsP±CÍ. PµP°C†C-C''PSC,Pë P· P±C-PiPsP»C¶ICTjPSPëPjPë CTjPsP·P»P°PrP°PjPë, C¶PeC- PsC,CTjPëPjCÍPIP°P»Pë PsP»P°PSP·P°PíC-PS PrP»C¶ P»C-PeCÍPIP°PSPSC¶ PjP°PSC-P°PeP°P»CHPSPëC... PµPiC-P·PsPrC-PI, PiCTjPsPrPsPIP¶CÍCTH,CH PsC,CTjPëPjCÍPIP°C,Pë PsP»P°PSP·P°PíC-PS CÍ C,PsPjCÍ P¶ PrPsP·CÍPIP°PSPSC- C- PrP»C¶ PiCTjPsC,,C-P»P°PeC,PëPePë PiPsPIC,PsCTjPSPëC... PSP°PiP°PrC-PI. P—P° CÍPjPsPIPë CTjPsP·PIPëC,PeCÍ PSPsPIPsPiPs PjP°PSC-P°PeP°P»CHPSPsPiPs, PrPµPiCTjPµCÍPëPIPSsPiPs P°P±Ps P·PjC-C¶P°PSPsPiPs

PrC-P°PīP°P·PsPS PrPsP· PrP»CІІ PīP°C†C-C"PSC,C-PI, CІІPeC- PSPμ PīP°P»CІІC,CH,
PSPμ PīPsC,CḡPμP±CṛCḡC,CH CḡCṛC,PēPSPSPēC... PePsCḡPēPīCṛPIP°PSCH
PīPsCḡC-PIPSCІІPSPs P· PrPsP·P°PjPē, C%Ps P·P°CṛC,PsCṛPsPICṛCḡC,CHCṛCІІ PrP»CІІ
PīP°C†C-C"PSC,C-PI, CІІPeC- PīP°P»CІІC,CH.

PμP°P»C-PSPSCІІ PjPsP¶Pμ CṛPīCḡPēC‡PēPSCІІC,Pē PjPμC,P°P±PsP»C-P·Pj
PsP»P°PSP·P°PīC-PSCṛ. P PμPePsPjPμPSPṛCṛC" C,CHCṛCІІ PeP»C-PSC-C‡PSPμ
CṛPīPsCṛC,PμCḡPμP¶PμPSPSCІІ. Pj CḡP°P·C- PSPμPsP±C...C-PrPSPsCṛC,C- бḡ"
CḡPsP·PīP»CІІPSCṛC,Pē PjPsP¶P»PēPIC-CṛC,CH PīC-PrPIPēC%PμPSPSCІІ PrPsP·Pē
PsP»P°PSP·P°PīC-PSCṛ (PrPēPI. CḡPsP·PrC-P» B«PḡCṛPsP±P»PēPIPsCṛC,C-
P·P°CṛC,PsCṛCṛPIP°PSPSCІІB»).

P"C-C,Pē.

PḡP»P°PSP·P°PīC-PS PSPμ CḡPμPePsPjPμPSPṛPsPIP°PSPēPNē PrP»CІІ P»C-PeCṛPIP°PSPSCІІ
PrC-C,PμPNē C,P° PīC-PrP»C-C,PeC-PI (PIC-PePsPj PrPs 18 CḡPsPeC-PI) C‡PμCḡPμP·
PIC-PrCṛCṛC,PSC-CṛC,CH PrP°PSPēC... C%PsPrPs P±PμP·PīPμPePē PNē
PμC,,PμPeC,PēPIPSsCṛC,C-. Pj PePsCḡPsC,PePsC,PμCḡPjC-PSPsPIPēC...
PrPsCṛP»C-PrP¶PμPSPSCІІC... P·P° CṛC‡P°CṛC,Cḡ PīP°C†C-C"PSC,C-PI-PīC-PrP»C-C,PeC-PI
PīPsPIC-PrPsPjP»CІІP»PsCṛCІІ PīCḡPs P±C-P»CHCēC- P·PSP°C‡PμPSPSCІІ
PīC-PrPIPēC%PμPSPSCІІ PjP°CṛPē C,C-P»P°, P·PjC-PS CḡC-PIPS-PI P»C-PīC-PrC-PI C-
PīCḡPsP»P°PeC,PēPSCṛ, PSC-P¶ Cṛ PrPsCṛP»C-PrP¶PμPSPSCІІC... P·P° CṛC‡P°CṛC,Cḡ
PrPsCḡPsCṛP»PēC... PīP°C†C-C"PSC,C-PI (PrPēPI. CḡPsP·PrC-P»Pē B«PḡCṛPsP±P»PēPIPsCṛC,C-
P·P°CṛC,PsCṛCṛPIP°PSPSCІІB», B«PμPsP±C-C‡PSC- CḡPμP°PeC†C-C—B»,
B«PαP°CḡPjP°PePsPrPēPSP°PjC-PeP°B», B«PαP°CḡPjP°PePsPeC-PSPμC,PēPeP°B»).

PμPμCḡPμPrPsP·CṛPIP°PSPSCІІ.

PŸPēPjPīC,PsPjPē. P"CṛP¶Pμ PīPsCēPēCḡPμPSC- (> 10 %): C,P°C...C-PeP°CḡPrC-CІІ,
P°P¶PēC,P°C†C-CІІ/P°PīCḡPμCṛPēPIPS- CṛC,CH, PrPēP·P°CḡC,CḡC-CІІ, CḡC-P·PSC-
PμPeCṛC,CḡP°PīC-CḡP°PjC-PrPSC- CṛPēPjPīC,PsPjPē C,P° P·PSPēP¶PμPSPēPNē
CḡC-PIPμPSCH CṛPIC-PrPsPjPsCṛC,C-, C%Ps PIP°CḡC-CḡC"C,CHCṛCІІ PIC-Pr
CṛPμPrP°C†C-C— PrPs PePsPjPē.

P†PSCēPēPjPē P·PSP°C‡PSPēPjPē CṛCṛPeP»P°PrPSPμPSPSCІІPjPē PīPμCḡPμPrPsP·CṛPIP°PSPSCІІ
C" PrPμP»C-CḡC-PNē, CṛCṛPrPsPjPē, PePsPjP°, PjPsP¶P»PēPIC-CṛC,CH
PSPμPNēCḡPsP»PμPīC,PēC‡PSPsPiPs P·P»PsCІІPeC-CṛPSPsPiPs CṛPēPSPṛCḡPsPjCṛ,
PīCḡPēPīPSC-C‡PμPSPSCІІ PrPēC...P°PSPSCІІ, P°CṛPīC-CḡP°C†C-CІІ,
P°CḡC,PμCḡC-P°P»CHPSP° PīC-PīPμCḡC,PμPSP·C-CІІ P°P±Ps PīC-PīPsC,PμPSP·C-CІІ,
CṛPμCḡC†PμPIP° P°CḡPēC,PjC-CІІ (< 2 % PIPēPīP°PrPeC-PI PīPμCḡPμPrPsP·CṛPIP°PSPSCІІ) C,P°
PeP°CḡPrC-PsPīCṛP»CHPjPsPSP°P»CHPSPēPNē CēPsPe. P·PμC,P°P»CHPSC- PSP°CṛP»C-PrPePē
PIC-PrP·PSP°C‡P°P»PēCṛCІІ PīCḡPē PīPsCṛC,CḡPsPjCṛ PīPμCḡPμPrPsP·CṛPIP°PSPSC- PSP°
CḡC-PIPS- 450 PjPi, P°P»Pμ P±CṛP»Pē PNē PIPēPīP°PrPePē PIPēP¶PēPIP°PSPSCІІ PīC-CṛP»CІІ
PīPsCṛC,CḡPsPiPs PīPμCḡPμPrPsP·CṛPIP°PSPSCІІ PīC-CṛP»CІІ PīCḡPēPNēPsPjCṛ 2 Pi
PsP»P°PSP·P°PīC-PSCṛ PīPμCḡPsCḡP°P»CHPSPs.

P>C-PeCṛPIP°PSPSCІІ. PŸPīPμC†PēC,,C-C‡PSPsPiPs P°PSC,PēPrPsC,Cṛ PSPμPjP°C". PḡPμ

$C\bar{H}P_{\mu}PePsPjP_{\mu}PSP\bar{r}C\bar{r}C\bar{H}C,CHC\bar{r}C\bar{C}\bar{I}P\bar{i}C\bar{H}P_{\mu}P\bar{i}P^{\circ}C\bar{H}P^{\circ}C,P\bar{e},C\%_{\circ}Ps$
 $C\bar{r}P\bar{i}C\bar{H}P\bar{e}C\bar{r}P\bar{e}PSC\bar{C}\bar{I}C\bar{H}C,CH P\pm P\gg C\bar{H}PIP^{\circ}PSPSC\bar{C}\bar{I}. P P_{\mu}PePsPjP_{\mu}PSP\bar{r}PsPIP^{\circ}PSPs$
 $C\bar{r}C,P^{\circ}PSP\bar{r}P^{\circ}C\bar{H}C,PSC- P\bar{i}C\bar{H}PsC\bar{r}P_{\mu}P\bar{r}C\bar{r}C\bar{H}P\bar{e} P\bar{i}C\bar{H}P\bar{e} P\bar{i}P_{\mu}C\bar{H}P_{\mu}P\bar{r}PsP\cdot C\bar{r}PIP^{\circ}PSPSC-$
 $(PSP^{\circ}P\bar{i}C\bar{H}P\bar{e}PeP\gg P^{\circ}P\bar{r} P\bar{i}C\bar{H}PsPjP\bar{e}PIP^{\circ}PSPSC\bar{C}\bar{I} C\bar{e}P\gg C\bar{r}PSPeP^{\circ}, P\bar{i}C\bar{H}P\bar{e}P\bar{N}_{\bar{e}}PsPj$
 $P^{\circ}PeC,P\bar{e}PIPsPIP^{\circ}PSPsPiPs PIC\bar{r}PiC-P\gg P\gg C\bar{C}\bar{I}). P^{\circ}C\bar{r}P\gg Ps PIP\bar{e}C\bar{C}\bar{I}PIP\gg P_{\mu}PSPs, C\%_{\circ}Ps$
 $C\bar{r}C\bar{r}P\bar{i}C\bar{r}C,PSC-P\bar{N}_{\bar{e}} P\bar{i}C\bar{H}P\bar{e}P\bar{N}_{\bar{e}}PsPj P^{\circ}PeC,P\bar{e}PIPsPIP^{\circ}PSPsPiPs PIC\bar{r}PiC-P\gg P\gg C\bar{C}\bar{I}$
 $P\cdot PjP_{\mu}PSC\bar{e}C\bar{r}C'' P\pm C-PsP\bar{r}PsC\bar{r}C,C\bar{r}P\bar{i}PSC-C\bar{r}C,CH PsP\gg P^{\circ}PSP\cdot P^{\circ}P\bar{i}C-PSC\bar{r}B P\bar{i}C\bar{H}P\bar{e}$
 $P\bar{i}P_{\mu}C\bar{H}PsC\bar{H}P^{\circ}P\gg CH\bar{P}SPsPjC\bar{r} P\bar{i}C\bar{H}P\bar{e}P\bar{N}_{\bar{e}}PsPjC- PSP^{\circ} 50\bar{B}\bar{H}''60\%.$

$P^{\circ}C-P\bar{r}P\bar{i}PsPIC-P\bar{r}PSPs P\bar{r}Ps PeP\gg C-PSC-C\bar{r}PSP\bar{e}C... P\bar{i}C\bar{H}PsC\bar{C}\bar{I}PIC-PI C\bar{r}P\gg C-P\bar{r}$
 $PSP^{\circ}P\gg P^{\circ}PiPsP\bar{r}P\bar{e}C,P\bar{e} C\bar{r}P\bar{e}PjPiC,PsPjP^{\circ}C,P\bar{e}C\bar{r}PSP_{\mu} P\gg C-PeC\bar{r}PIP^{\circ}PSPSC\bar{C}\bar{I} C,P^{\circ}$
 $PjPsPSC-C,PsC\bar{H}P\bar{e}PSPi P\bar{P}\bar{P}\bar{e}C,C,C''PIP\bar{s} PIP^{\circ}P\bar{P}\bar{P}\gg P\bar{e}PIP\bar{e}C... C,,C\bar{r}PSPeC\bar{r}C-P\bar{N}_{\bar{e}},$
 $PIPeP\gg C\bar{H}C\bar{r}P^{\circ}C\bar{H}C\bar{r}P\bar{e} P\gg C-PeC\bar{r}PIP^{\circ}PSPSC\bar{C}\bar{I} P^{\circ}C\bar{H}C,P_{\mu}C\bar{H}C-P^{\circ}P\gg CH\bar{P}SPsC-$
 $PiC-P\bar{i}PsC,P_{\mu}PSP\cdot C-C- C,P^{\circ} C\bar{r}P\bar{e}C\bar{H}PeC\bar{r}P\gg C\bar{C}\bar{I}C,PsC\bar{H}PSPsC- PSP_{\mu}P\bar{r}PsC\bar{r}C,P^{\circ}C,PSPsC\bar{r}C,C-, P^{\circ}$
 $C,P^{\circ}PePsP\bar{P} P\bar{i}C-P\bar{r}C,C\bar{H}P\bar{e}PjP^{\circ}PSPSC\bar{C}\bar{I} P\bar{r}P\bar{e}C...P^{\circ}PSPSC\bar{C}\bar{I}. P\bar{k}P_{\mu} C\bar{r}P\gg C-P\bar{r}$
 $P\cdot P^{\circ}C\bar{r}C,PsC\bar{r}PsPIC\bar{r}PIP^{\circ}C,P\bar{e} P_{\mu}PiC-PSP_{\mu}C,,C\bar{H}P\bar{e}PS, P\bar{r}PsP\bar{i}P^{\circ}PjC-PS C,P^{\circ} C-PSC\bar{e}C-$
 $C\bar{r}P\bar{e}PjP\bar{i}P^{\circ}C,PsPjC-PjP_{\mu}C,P\bar{e}PeP\bar{e} P\cdot P\bar{r}C-C''C\bar{H}, C...P^{\circ}C\bar{H}P^{\circ}PeC,P_{\mu}C\bar{H}PSPsC\bar{H} P\bar{r}P\gg C\bar{C}\bar{I} P\pm P_{\mu}C,P^{\circ}-$
 $P^{\circ}PiPsPSC-C\bar{r}C,C-PI, PsC\bar{r}PeC-P\gg CH\bar{P}PeP\bar{e} P\pm P_{\mu}C,P^{\circ}-C\bar{r}C,P\bar{e}PjC\bar{r}P\gg C\bar{C}\bar{I}C\bar{r}C-C\bar{C}\bar{I} PjPsP\bar{P}\bar{P}_{\mu}$
 $P\bar{i}PsPiC-C\bar{H}C\bar{e}P\bar{e}C,P\bar{e} P\bar{i}C\bar{H}PsC\bar{C}\bar{I}PIP\bar{e} PiC-P\bar{i}PsC,PsPSC-C-. P''P\gg C\bar{C}\bar{I} PIP\bar{e}C\bar{C}\bar{I}PIP\gg P_{\mu}PSPSC\bar{C}\bar{I}$
 $PjPsP\bar{P}\bar{P}\gg P\bar{e}PIP\bar{e}C... P^{\circ}C\bar{H}P\bar{e}C,PjC-P\bar{N}_{\bar{e}} PSP_{\mu}PsP\pm C...C-P\bar{r}PSP\bar{e}P\bar{N}_{\bar{e}} PjPsPSC-C,PsC\bar{H}P\bar{e}PSPi$
 $C\bar{r}P_{\mu}C\bar{H}C\bar{r}P_{\mu}PIPs-C\bar{r}C\bar{r}P\bar{r}P\bar{e}PSPSPsC- C\bar{r}P\bar{e}C\bar{r}C,P_{\mu}PjP\bar{e}. P P_{\mu}C,P_{\mu}P\gg CH\bar{P}SP\bar{e}P\bar{N}_{\bar{e}}$
 $PjP_{\mu}P\bar{r}P\bar{e}C\bar{r}PSP\bar{e}P\bar{N}_{\bar{e}} PSP^{\circ}PiP\gg C\bar{C}\bar{I}P\bar{r} C,P^{\circ} PjPsPSC-C,PsC\bar{H}P\bar{e}PSPi P\bar{i}PsPIP\bar{e}PSP_{\mu}PS C,C\bar{H}P\bar{e}PIP^{\circ}C,P\bar{e}$
 $P\bar{r}Ps P\bar{i}PsPIPSPsPiPs PsP\bar{r}C\bar{r}P\bar{P}\bar{P}^{\circ}PSPSC\bar{C}\bar{I} P\bar{i}P^{\circ}C\bar{r}C-C''PSC,P^{\circ}.$

$P_{\mu}PsP\pm C-C\bar{r}PSC- C\bar{H}P_{\mu}P^{\circ}PeC\bar{r}C-C-.$

$P\bar{k}P^{\circ}P\bar{N}_{\bar{e}}C\bar{r}P^{\circ}C\bar{r}C,C-C\bar{e}P\bar{e}PjP\bar{e} P\bar{i}PsP\pm C-C\bar{r}PSP\bar{e}PjP\bar{e} C\bar{H}P_{\mu}P^{\circ}PeC\bar{r}C-C\bar{C}\bar{I}PjP\bar{e}$
 $(C\bar{r}P\bar{i}PsC\bar{r}C,P_{\mu}C\bar{H}C-PiP^{\circ}P\gg P\bar{e}C\bar{r}C\bar{C}\bar{I} C\bar{r} \geq 1\% P\bar{i}P^{\circ}C\bar{r}C-C''PSC,C-PI), P\bar{i}PsPi\bar{B}\bar{H}^{\text{TM}} C\bar{C}\bar{I}P\cdot P^{\circ}PSP\bar{e}PjP\bar{e}$
 $C-P\cdot P\cdot P^{\circ}C\bar{r}C,PsC\bar{r}C\bar{r}PIP^{\circ}PSPSC\bar{C}\bar{I}Pj PsP\gg P^{\circ}PSP\cdot P^{\circ}P\bar{i}C-PSC\bar{r} PI C...PsP\bar{r}C- PeP\gg C-PSC-C\bar{r}PSP\bar{e}C...$
 $P\bar{r}PsC\bar{r}P\gg C-P\bar{r}P\bar{P}\bar{P}_{\mu}PSC\bar{H}, P\pm C\bar{r}P\gg P\bar{e} C,P^{\circ}PeC-: C\bar{r}PsPSP\gg P\bar{e}PIC-C\bar{r}C,CH,$
 $P\cdot P\pm C-P\gg CH\bar{C}\bar{e}P_{\mu}PSPSC\bar{C}\bar{I} PjP^{\circ}C\bar{r}P\bar{e} C,C-P\gg P^{\circ}, P_{\mu}PsP\cdot P\bar{e}PSPsC,,C-P\gg C-C\bar{C}\bar{I},$
 $P\bar{i}C-P\bar{r}PIP\bar{e}C\%_{\circ}P_{\mu}PSPSC\bar{C}\bar{I} C\bar{H}C-PIPSC-PI P\bar{i}C\bar{H}PsP\gg P^{\circ}PeC,P\bar{e}PSC\bar{r}, C...PsP\gg P_{\mu}C\bar{r}C,P_{\mu}C\bar{H}PsP\gg C\bar{r}$
 $(C...PsP\gg P_{\mu}C\bar{r}C,P_{\mu}C\bar{H}P\bar{e}PSC\bar{r}), PiP\gg C\bar{H}PePsP\cdot P\bar{e} C,P^{\circ} C,C\bar{H}P\bar{e}PiP\gg C-C\bar{r}P_{\mu}C\bar{H}P\bar{e}P\bar{r}C-PI C\bar{r}$
 $PeC\bar{H}PsPIC-, PiP\gg C\bar{H}PePsP\cdot C\bar{r}C\bar{H}C-C\bar{C}\bar{I}, P\bar{i}C-P\bar{r}PIP\bar{e}C\%_{\circ}P_{\mu}PSPSC\bar{C}\bar{I} P^{\circ}PiP_{\mu}C,P\bar{e}C,C\bar{r},$
 $P\cdot P^{\circ}PiP^{\circ}PjPsC\bar{H}PsC\bar{r}P_{\mu}PSPSC\bar{C}\bar{I}, P^{\circ}PeP^{\circ}C,P\bar{e}P\cdot C-C\bar{C}\bar{I}, P\bar{i}P^{\circ}C\bar{H}PeC-PSC\bar{r}PsPSC-P\cdot Pj,$
 $P\gg P_{\mu}P\bar{N}_{\bar{e}}PePsP\bar{i}P_{\mu}PSC-C\bar{C}\bar{I}, PSP_{\mu}P\bar{N}_{\bar{e}}C,C\bar{H}PsP\bar{i}P_{\mu}PSC-C\bar{C}\bar{I}, P\bar{r}P\bar{e}C\bar{r}PeC-PSP_{\mu}P\cdot C-C\bar{C}\bar{I},$
 $PsC\bar{H}C,PsC\bar{r}C,P^{\circ}C,P\bar{e}C\bar{r}PSP^{\circ} PiC-P\bar{i}PsC,P_{\mu}PSP\cdot C-C\bar{C}\bar{I}, P^{\circ}PSC,P\bar{e}C...PsP\gg C-PSP_{\mu}C\bar{H}PiC-C\bar{r}PSC-$
 $P_{\mu}C,,P_{\mu}PeC,P\bar{e}, C,C\bar{H}P^{\circ}PSP\cdot P\bar{e}C,PsC\bar{H}PSP_{\mu} P^{\circ}C\bar{r}P\bar{e}PjP\bar{i}C,PsPjP^{\circ}C,P\bar{e}C\bar{r}PSP_{\mu}$
 $P\bar{i}C-P\bar{r}PIP\bar{e}C\%_{\circ}P_{\mu}PSPSC\bar{C}\bar{I} P\bar{i}P_{\mu}C\bar{r}C-PSPePsPIP\bar{e}C... C,C\bar{H}P^{\circ}PSC\bar{r}P^{\circ}PjC-PSP^{\circ}P\cdot (P\bar{r}P\bar{e}PI.$
 $C\bar{H}PsP\cdot P\bar{r}C-P\gg B\ll P\bar{h}C\bar{r}PsP\pm P\gg P\bar{e}PIPsC\bar{r}C,C- P\cdot P^{\circ}C\bar{r}C,PsC\bar{r}C\bar{r}PIP^{\circ}PSPSC\bar{C}\bar{I}B\gg),$
 $PIP\bar{e}C\bar{r}P\bar{e}PiP^{\circ}PSPSC\bar{C}\bar{I}, P^{\circ}C\bar{r}C,P_{\mu}PSC-C\bar{C}\bar{I}, P\bar{i}C-P\bar{r}PIP\bar{e}C\%_{\circ}P_{\mu}PSP^{\circ} PIC,PsPjP\gg C\bar{H}PIP^{\circ}PSC-C\bar{r}C,CH,$
 $PiC-P\bar{i}P_{\mu}C\bar{H}C,P_{\mu}C\bar{H}PjC-C\bar{C}\bar{I}, P^{\circ}C\bar{H}C,C\bar{H}P^{\circ}P\gg PiC-C\bar{C}\bar{I}, P\bar{i}C-P\bar{r}PIP\bar{e}C\%_{\circ}P_{\mu}PSPSC\bar{C}\bar{I} C\bar{H}C-PIPSC\bar{C}\bar{I}$
 $P^{\circ}P\gg PeP^{\circ}P\gg C-PSC,,PsC\bar{r}C,,P^{\circ}C,P^{\circ}P\cdot P\bar{e}, PiP^{\circ}PjPjP^{\circ}-PiP\gg C\bar{r}C,P^{\circ}PjC-P\gg C,C\bar{H}P^{\circ}PSC\bar{r}C,,P_{\mu}C\bar{H}P^{\circ}P\cdot P\bar{e},$
 $C\bar{r}P_{\mu}C\bar{r}PsPIPsC- PeP\bar{e}C\bar{r}P\gg PsC,P\bar{e}, PeC\bar{H}P_{\mu}P^{\circ}C,P\bar{e}PSC,,PsC\bar{r}C,,PsPeC-PSP^{\circ}P\cdot P\bar{e} C,P^{\circ}$
 $PSP^{\circ}P\pm C\bar{H}C\bar{C}\bar{I}PeP\bar{e}.$

$Pj C,P^{\circ}P\pm P\gg P\bar{e}C\bar{r}C- 1 P\bar{i}C-P\bar{r}C\bar{r}C\bar{r}PjPsPIP^{\circ}PSPs PsC\bar{r}PSPsPIPSC- P\bar{i}PsP\pm C-C\bar{r}PSC-$
 $C\bar{H}P_{\mu}P^{\circ}PeC\bar{r}C-C- C,P^{\circ} C-C...PSC\bar{C}\bar{I} C\bar{r}P^{\circ}C\bar{r}C,PsC,P^{\circ}, PIP\bar{e}P\cdot PSP^{\circ}C\bar{r}P_{\mu}PSC- C\bar{r} C...PsP\bar{r}C-$
 $PeP\gg C-PSC-C\bar{r}PSP\bar{e}C... P\bar{r}PsC\bar{r}P\gg C-P\bar{r}P\bar{P}\bar{P}_{\mu}PSC\bar{H} C,P^{\circ}/P^{\circ}P\pm Ps PSP^{\circ} PsC\bar{r}PSPsPIC-$

РiРsCfГC,РjР°CГjРeРμC,РeРSPiРsPiРsPiРs РrРsCfГPIC-РrCf.

Р\$Р°CfГC,РsC,Р° РeР»Р°CfРeC,,C-РeCfГC,C,CHCfГC C,Р°РeРeРj C±РeРSPsРj: РrCfРμРμ C±Р°CfГC,Рs (≥ 1/10), C±Р°CfГC,Рs (≥ 1/100 C,Р° < 1/10), РSPμC±Р°CfГC,Рs (≥ 1/1000 C,Р° < 1/100), CГC-РrРeРs (≥ 1/10000 C,Р° < 1/1000), РrCfРμРμ CГC-РrРeРs (< 1/10000), C±Р°CfГC,РsC,Р° РSPμPIC-РrРsРjР° (C±Р°CfГC,РsC,Cf РSPμ РjРsРμPSP° PICfГC,Р°РSPsPiРeC,Рe РSP° РsCfРSPsPIC-РSP°CμPiРSPeC... РrР°РSPeC...).

РyР°Р±Р»РeCГCμ 1.

Р°CfРμ C±Р°CfГC,Рs	Р\$Р°CfГC,Рs	РkРμC±Р°CfГC,Рs	Р C-РrРeРs	Р\$Р°CfГC,РsC,Р° РSPμPIC-РrРsРjР°
Р— Р±РsРeCf CГРeCГC,РμРjРe РeCГsPiРsC,PiРsCГРμPSPSCμB C,Р° Р»C-РjC,Р°C,РeC±РSPsC— CГРeCГC,РμРjРe	Р°РsР-РeРSPsC,,C-Р»C-Цμ РμРμРeРeРsРiРμPSC-Цμ ¹⁰	B	РyCГsРjР±РsCfРeC,РsРiРμ-РSC-Цμ ¹¹	
Р— Р±РsРeCf C-РjCfРSPSPsC— CГРeCГC,РμРjРe	РkРμРμC,CHsРiРμPSC-Цμ ¹⁰			
Р— Р±РsРeCf РsРjC-РSCf CГРμC±РsPiРeРs C,Р° CГРsР-Р»Р°CfРeC,CГР°РiРμPSPSCμ	Р°C-РrPiРeC%РμPSPSCμ CГC-PiРSCμ	Р°C-РiРμCГC±CfC,Р»РePiC-CfC,CH ¹¹		
Р— Р±C-Р»CHCРμPSPSCμ РjР°CГРe C,C-Р»Р° ¹	РμC-РrPiРeC%РμPSPSCμ CГC-PiРSCμ C...РsР»РμCfC,РμCГРePSCf ^{2,3} РμC-РrPiРeC%РμPSPSCμ CГC-PiРSCμ PiР»CHРeРsР-Рe ⁴ РμC-РrPiРeC%РμPSPSCμ CГC-PiРSCμ C,CHРeРiР»C-C-ГiРμCГРeРrC-PI ^{1,5} , PiР»CHРeРsР-CfCГC-Цμ, PiC-РrPiРeC%РμPSPSCμ РiРμC,РeC,Cf	РsР-РiРeC,РsРe Р°Р±Рs Р°РiРsCfC,CHРμPSPSCμ РrC-Р°Р±РμC,Cf,B Р°CfРsCГC-РμРsPiР°РSPsPiРs Р- РeРμC,РsР°CfРeРrРsР-РsРj Р°Р±Рs РeРsРjРsCГ, PiРeР»CГC±Р°CГC±Рe Р»РμC,Р°Р»CHРSC- РSP°CГР»C-РrРeРe ¹¹	Р°C-РiРsC,РμCГРjC-Цμ ¹²	
Р— Р±РsРeCf РSPμCГsPiРsC— CГРeCГC,РμРjРe	Р— Р°РiР°РjРsCГРsC±РμPSPSCμ, Р°РeР°C,РeР C-Цμ ⁶ , PiР°CГРeC-РSCfРsРSC-Р-Рj ⁶ , РrРeCГРeC-РSPμP-C-Цμ ⁶	Р°PiC-Р»РμPiC,РeC±РSC- РSP°РiР°РrРe, CμРeC%Рs PiРsРSPe Р±CfР»Рe Рi Р°РSP°РjРSPμP-C- Р°Р±Рs Р±CfР»Рe РSP°CμPiРSC- C,Р°РeC,РsCГРe CГРeР-РeРeCf ¹¹ , РrРeCГC,РsРSC-Цμ (PiРeР»CГC±РsРs Р- РsРeCfР»CμCГРSPeРj CГРeРjPiC,РsРjРsРj) ¹¹ , PiC-Р-РSCμ РrРeCГРeC-РSPμP-C-Цμ ¹¹ , Р°РjРSPμP-C-Цμ ⁷ , РrРeР°Р°CГC,CHC-Цμ, CГРeРSPrCГsРj РSPμCГРiРsРeC-РμPSPeC... РSC-Рi	РkРμРμCГsРsР»РμPiC,РeC±РSPeРμ Р»РsCμРeC-CГРSPeРμ CГРeРSPrCГsРj ¹² (РrРeРi. CГРsР-РrC-Р» B«РhCfРsР±Р»РeРiРsCfC,C- Р°CГC,РsCГCfPiР°РSPSCμB»), CГРeРSPrCГsРj PiC-РrРjC-РSPe ^{7,12}	
Р— Р±РsРeCf CГРeCГC,РμРjРe РrРeC...Р°РSPSCμ, РsCГРiР°РSC-Рi PiCГCfРrРSPsC— РeР»C-C,РeРe C,Р° CГРμCГРμРrРsCГC,C-РSPSCμ		РμCГsPiРsC,РμC±Р° Р- РSPsCГР° ³		
Р— Р±РsРeCf CГРμCГCfРμPiРsC— CГРeCГC,РμРjРe		Р°CГР°РrРeРeР°CГРrC-Цμ, PiCГsРsР»РsРSPiР°CГC-Цμ, C-РSC,РμCГРiР°Р»Cf QТcr (РrРeРi. CГРsР-РrC-Р» B«РhCfРsР±Р»РeРiРsCfC,C- Р°CГC,РsCГCfPiР°РSPSCμB»)	Р°РμPSC,CГРeРeCfР»CμCГРSP° C,Р°C...C-РeР°CГРrC-Цμ/ C,C-Р±CГРeР»CμCГC-Цμ, CГР°РiC,РsPiРeРμ Р»РμC,Р°Р»CHРSPeРμ РSP°CГР»C-РrРsРe ¹¹ (РrРeРi. CГРsР-РrC-Р» B«РhCfРsР±Р»РeРiРsCfC,C- Р°CГC,РsCГCfPiР°РSPSCμB»)	
Р— Р±РsРeCf CГCfРrРeРSPSPsC— CГРeCГC,РμРjРe	РhCГC,РsCГC,Р°C,РeC±РSP° PiC-РiРsC,РμPSP-C-Цμ ¹⁰	РyCГsРjР±РsРμРjР±РsР»C-Цμ (PiРeР»CГC±Р°CГC±Рe РμРjР±РsР»C-CH Р»РμРiРμPSPμPiРsC— Р°CГC,РμCГC-C—C,Р° C,CHsРjР±РsР- РiР»РeР±РsРeРeC... PiРμP) (РrРeРi. CГРsР-РrC-Р» B«РhCfРsР±Р»РeРiРsCfC,C- Р°CГC,РsCГCfPiР°РSPSCμB»)		
Р— Р±РsРeCf CРeР»CfРSPeРsPiРs-РeРeCРeРsPiРsPiРs C,CHР°РeC,Cf	Р-РμРiРeC-, C,РeРjCГ°CГРsPiC- Р°РSC,РeC...РsР»C-РSPμCГРiC-C±РSC- РμC,РμРeC,Рe, PiРeР»CГC±Рe CГC±Рe Р°РiРsCГРe C,Р° CГCГC...C-Цμ,CH Cf CГРsC,C-	Р— РrCfC,C,Цμ РeРiРsC,Р° Р°C-РiРμCГCfРμРeCГРμCГC-Цμ cР»РeРSPsPiРeРrC-Р»РμPSPSCμ ¹¹	РμР°РSPeCГРμР°C,РeC,Рe ¹¹	
Р— Р±РsРeCf РiРμPiР°C,РsР±C-Р°C-Р°CГРSPsC— CГРeCГC,РμРjРe	РyCГР°РSP-РeC,РsCГSC-, Р°CfРeРjPiC,РsРjР°C,РeC±РSC- РeРsР»РeРiР°РSPSCμ CГC-PiРSC-Рi РiРμC±C-РSPeРsPiРeC... C,CHР°РSCfР°РjC-РSP°Р- (РhР»РhРy C,Р° РhCfРhРy), РsCfРsР±Р»РeРiРs РSP° РiРsC±Р°C,РeCf Р»C-РeCfPiР°РSPSCμ, РiРμCГРeC,РμCГРeC±РSC- РSP°Р±CГCμРeРe (РrРeРi. CГРsР-РrC-Р» B«РhCfРsР±Р»РeРiРsCfC,C- Р°CГC,РsCГCfPiР°РSPSCμB»)			
Р— Р±РsРeCf CРeC-CГРeC-C,Р° C— РiРsC...C-РrРSPeC...	Р°РeCГРeРiРe	Р РμР°РeCГC— CГРiC-C,Р»РsC±CfC,Р»РeРiРsCfC,C-, Р»РsР»РsPiРμCГC-Цμ	РμРμРrРeРeР°РjРμPSC,РsР-РSP° CГРμР°РeCГC-Цμ Р- РμРsР-РeРSPsC,,C-Р»C-CГC,C,Р° CГРeCГC,РμРjРSPeРjРe CГРeРjPiC,РsРjР°РjРe (DRESS)	
Р— Р±РsРeCf CГРeРμР»РμC,РSPs-РjеГ°CμР-РsPiРsC— C,Р° CГРiРsР»CfC±РSPsC— CГРeCГC,РμРj	РhCГC,CHР°Р»PiC-Цμ ⁸		Р Р°Р±РrРsРjC-РsР»C-Р ¹¹	
Р— Р±РsРeCf РSPeCГРsРe C,Р° CГРμC±РsPiРeРrC-Р»CHРSPsC— CГРeCГC,РμРjРe		РkРμC,CHРeРjР°РSPSCμ CГРμC±C-, Р-Р°C,CHРeРjРeР° CГРμC±C-, CfC,CHCfРrРSPμPSPμ CГРμC±РsPiРePiCfCГРeР°РSPSCμ ¹¹		
Р°РiC-C,РSC-CГC,CH, PiC-CГР»CμCГsРrРsPiРeРμ C,Р° РiРμCГРeРSP°C,Р°Р»CHРSPeРμ РiРμCГC-РsРr				РyРeРSPrCГsРj PiC-РrРjC-РSPe Cf РSPsPiРsРSP°CГРsРrРμР- РSPeC... (РrРeРi. CГРsР-РrC-Р» B«Р—Р°CГC,РsCГCfPiР°РSPSCμ Cf РiРμCГC-РsРr PiР°PiC-C,РSPsCfC,C- Р°Р±Рs PiРsРrCfPiР°РSPSCμ PiCГCfРrCГB»)
Р— Р±РsРeCf CГРμPiCГРsРrCГРeC,РePiРSPsC— CГРeCГC,РμРjРe C,Р° РjРsР»РsC±РSPeC... Р°Р»РsР-				

	P·C ₇ P ₁ PeC, P ₆ P·C ₇ H ₂ PSP° PrP ₆ C ₇ C, C ₇ PSP ₆ C ₇ C-C ₇ Cf C ₇ P ₆ P·P ₆ PIC-PeC-PI, P·PSP ₆ P ₁ P ₆ PSPSC ₇ P·C-P±C-PrP ₆ C ₇ P ₁ C-PSP ₆ Pe C, P° C ₇ P ₆ P·P ₆ PIC-PeC-PI	P ₇ P ₁ P ₆ PSP ₆ C ₇ P ₁ C ₇ ; P·P±C-P·C ₇ H ₂ PeP ₆ PSPSC ₇ P ₁ C ₇ C ₇ PrP ₆ P ₆ ; P ₁ P°P·P°PeC, P ₆ C ₇ P ₁ C ₇ Cf P ₁ C-PSP ₆ Pe; B P ₁ C-PSP ₆ PeP ₆ P ₁ P°C ₇ C, C-C ₇ / P·P±C-P·C ₇ H ₂ PeP ₆ PSPSC ₇ P ₁ C ₇ C ₇ PrP ₆ P ₆ Cf C ₇ P ₆ P·P ₆ PIC-PeC-PI	P ₁ C ₇ C-P°P ₁ C-P·P ₁ ¹²	
P·P°P ₁ P°P·C ₇ H ₂ PSC- C ₇ P ₆ P·P·P°PrP ₆ C, P° P ₆ C ₇ P ₆ P±P·P ₆ P ₁ P ₆ C ₇ C, C- P·P°C ₇ C, P ₆ C ₇ C ₇ PrP°PSPSC ₇	P ₇ C ₇ C, P ₁ PSC-C ₇ ; P ₁ C-PrP ₆ P ₆ C ₇ P ₆ PSP° P ₁ C, P ₆ P ₁ P·C ₇ H ₂ P ₆ PSC-C ₇ C, C ₇ H, PSP°P±C ₇ C ₇ PeP ₆ , P ₁ C-C ₇ P ₁ PeC ₇ C-C ₇ ¹⁰			
P°C-P°P ₁ PSP ₆ C ₇ C, P ₆ C ₇ PSC- PrP ₆ C ₇ P·C-PrP ₆ P ₁ PSPSC ₇	P ₁ C-PrP ₆ P ₆ C ₇ P ₆ PSPSC ₇ C ₇ C-P ₁ PSC ₇ P·C ₇ P ₆ PSP ₆ C- C, P ₆ C ₇ C, P°C, P°P·P ₆ ¹⁰ , P ₆ C ₇ P ₁ P°C, P ₆ PSC, P ₆ C ₇ C, P ₆ PeC-PSP°P·P ₆ ¹ , P ₁ P°P ₁ P ₆ P· P ₁ P°C ₇ C, P°P ₁ C-P·C, C ₇ P ₆ P ₆ C ₇ C, P ₁ C ₇ P°P·P ₆ ¹⁰ , C ₇ P ₁ C ₇ P ₆ P ₆ C- P ₆ P ₆ C ₇ P·P ₆ C, P ₆ ¹⁰	P ₁ C-PrP ₆ P ₆ C ₇ P ₆ PSPSC ₇ P·P°P ₁ P°P·C ₇ H ₂ PeP ₆ P ₁ P ₆ P±C-P·C-C ₇ C ₇ P±C-PSC ₇		

¹ P₇P₁P·C-PSC-C₇PSP₆ P·PSP°C₇C₇C₇P₆ P·P±C-P·C₇H₂PeP₆PSPSC₇ P₁P°C₇P₆ C, C-P·P°
C₇P₁P₆C₇C, P₁C₇C-P₁P°P·P₆C₇C₇ P₁ C₇C₇C-C... P₆P°C, P₁P₁P₆C₇C-P₆ P₁P°C₇C-C°PSC, C-PI P·P°
P₁P₆P₇ (C-PSP₆P₁PeC₇ P₁P°C₇P₆ C, C-P·P°). P₁C-C₇P·C₇ P₆P₆C₇P₆C, P₆P₆C₇P°C₇PSP₆P₁P₆
P·C-PeC₇P₁P°PSPSC₇ (C₇P₁C₇P₁PrPSC₇ C, C₇P₆P₁P°P·C-C₇C, C₇ C₇C, P°PSP₆P₁P₆P·P° 47
PrPSC-PI) P·P±C-P·C₇H₂PeP₆PSPSC₇ P₁P°C₇P₆ C, C-P·P° PSP° ≥ 7 %
C₇P₁P₆C₇C, P₁C₇C-P₁P°P·P₆C₇C₇ PrC₇P₁P₆ C₇P°C₇C, P₆ (22,2 % P₁P₆P₁P°PrP₆C-PI), ≥ 15 %
C₇P₁P₆C₇C, P₁C₇C-P₁P°P·P₆C₇C₇ C₇P°C₇C, P₆ (4,2 % P₁P₆P₁P°PrP₆C-PI), ≥ 25 %
C₇P₁P₆C₇C, P₁C₇C-P₁P°P·P₆C₇C₇ PSP₆C₇P°C₇C, P₆ (0,8 % P₁P₆P₁P°PrP₆C-PI). P₁
P₁P°C₇C-C°PSC, C-PI, C₇PeC- P₆C, C₇P₆P₁C₇P₁P°P·P₆ C, C₇P₆P₁P°P·C₇ C, P₁C₇P°P₁C-C₇
(P₁C₇P₆PSP°P₆P₁PSC- P₁C₇P₆C, C₇P₁P₆P₁ B 48 C, P₆P₁PSC-PI), P·P±C-P·C₇H₂PeP₆PSPSC₇
P₁P°C₇P₆ C, C-P·P° PSP° ≥ 7 %, ≥ 15 %, ≥ 25 % C₇P₁P₆C₇C, P₁C₇C-P₁P°P·P₆C₇C₇ PrC₇P₁P₆
C₇P°C₇C, P₆ (C₇ 64,4 %, 31,7 %, 12,3 % P₁P₆P₁P°PrP₆C-PI P₁C-PrP₆P₆PIC-PrPSP₆).

² P₇P₁P₆C₇P₁PrPSC° P₁C-PrP₆P₆C₇P₆PSPSC₇ C₇C-P₁PSC₇ P·C-P₁C-PrC-PI PSP°C, C₇P₆P₁
(P·P°P₁P°P·C₇H₂PSP₆P₆ C...P₆P·P₁C₇C, P₁C₇P₆P₆», P·P₁P₆P₁© C- C, C₇P₆P₁P·C-C₇P₁C₇P₆PrP₆)
P±C₇P·P₆ P±C-P·C₇H₂Pe P·PSP°C₇PSC- C₇ P₁P°C₇C-C°PSC, C-PI, C₇ C₇PeP₆C... C₇P₁P₆C₇P°C, P₆C₇
PSP₆ C₇P₁P₆C₇C, P₁C₇C-P₁P°P·P₆C₇C₇ P·C-P₁C-PrPSP₆C- PrP₆P·C₇P₁P₆C₇P·C₇C₇C-C-.

³ P₇P₁P₆C₇C, P₁C₇C-P₁P°P·P₆C₇C₇ C₇ P₁P°C₇C-C°PSC, C-PI P· PSP₆C₇P₁P°P·C₇H₂PSP₆P₁
P₁P₆C₇P°C, P₆P₆P₁P₆P₁ C₇C-P₁PSP₆P₁ PSP°C, C₇P₆P₁ (< 5,17 P₁P₆P₆P·C₇H₂P/»), C₇PeP₆P₆
P₁C-PrP₆P₆C₇C₇P₆P₁P°P₁C₇C₇ PrP₆ P₁P₆C₇P₆PeP₆P₁P₆ (≥ 6,2 P₁P₆P₆P·C₇H₂P/»). P°C₇P₁P₆
C₇P°C₇C, P₆ P₁P₆PIC-PrP₆P₁P·C₇P·P₆C₇C₇ P₁C₇P₆ C₇C-P·P₆P₁ P₁C-PrP₆P₆C₇P₆PSPSC₇
C₇C-P₁PSC₇ P·P°P₁P°P·C₇H₂PSP₆P₁P₆ C...P₆P·P₁C₇C, P₁C₇P₆P₆»C₇ PSP°C, C₇P₆P₁ P·
P₁P₆C₇P°C, P₆P₆P₁P₆P₁ C₇C-P₁PSC₇ (≥ 5,17 P₁P₆P₆P·C₇H₂P/») PrP₆ P₁P₆C₇P₆PeP₆P₁P₆
C₇C-P₁PSC₇ (≥ 6,2 P₁P₆P₆P·C₇H₂P/»).

⁴ P₇P₁P₆C₇C, P₁C₇C-P₁P°P·P₆C₇C₇ C₇ P₁P°C₇C-C°PSC, C-PI P· PSP₆C₇P₁P°P·C₇H₂PSP₆P₁
P₁P₆C₇P°C, P₆P₆P₁P₆P₁ C₇C-P₁PSP₆P₁ PSP°C, C₇P₆P₁ (< 5,56 P₁P₆P₆P·C₇H₂P/»), C₇PeP₆P₆
P₁C-PrP₆P₆C₇C₇P₆P₁P°P₁C₇C₇ PrP₆ P₁P₆C₇P₆PeP₆P₁P₆ (≥ 7 P₁P₆P₆P·C₇H₂P/»). P°C₇P₁P₆
C₇P°C₇C, P₆ P₁P₆PIC-PrP₆P₁P·C₇P·P₆C₇C₇ P₁C₇P₆ C₇C-P·P₆P₁ P₁C-PrP₆P₆C₇P₆PSPSC₇ C₇C-P₁PSC₇
P₁P·C₇PeP₆P·P₆ PSP°C, C₇P₆P₁ P· P₁P₆C₇P°C, P₆P₆P₁P₆P₁ C₇C-P₁PSC₇ (≥ 5,56 P₁P₆P₆P·C₇H₂P/») < 7
P₁P₆P₆P·C₇H₂P/») PrP₆ P₁P₆C₇P₆PeP₆P₁P₆ C₇C-P₁PSC₇ (≥ 7 P₁P₆P₆P·C₇H₂P/»).

⁵ P₇P₁P₆C₇C, P₁C₇C-P₁P°P·P₆C₇C₇ C₇ P₁P°C₇C-C°PSC, C-PI P· PSP₆C₇P₁P°P·C₇H₂PSP₆P₁
P₁P₆C₇P°C, P₆P₆P₁P₆P₁ C₇C-P₁PSP₆P₁ PSP°C, C₇P₆P₁ (< 1,69 P₁P₆P₆P·C₇H₂P/»), C₇PeP₆P₆
P₁C-PrP₆P₆C₇C₇P₆P₁P°P₁C₇C₇ PrP₆ P₁P₆C₇P₆PeP₆P₁P₆ (≥ 2,26 P₁P₆P₆P·C₇H₂P/»). P°C₇P₁P₆
C₇P°C₇C, P₆ P₁P₆PIC-PrP₆P₁P·C₇P·P₆C₇C₇ P₁C₇P₆ C₇C-P·P₆P₁ P₁C-PrP₆P₆C₇P₆PSPSC₇
C₇C-P₁PSC₇ C, C₇P₆P₁P·C-C₇P₁C₇P₆PrC-PI PSP°C, C₇P₆P₁ P· P₁P₆C₇P°C, P₆P₆P₁P₆P₁
C₇C-P₁PSC₇ (≥ 1,69 P₁P₆P₆P·C₇H₂P/») < 2,26 P₁P₆P₆P·C₇H₂P/») PrP₆ P₁P₆C₇P₆PeP₆P₁P₆ C₇C-P₁PSC₇ (≥ 2,26
P₁P₆P₆P·C₇H₂P/»).

⁶ P₁C-Pr C₇P°C₇ P₆P·C-PSC-C₇PSP₆C... PrP₆C₇P·C-PrP₆P₁P₆P₆C₇C₇C₇C, P₆C, P°

PIPëPSPëPePSPµPSPSCİİ PİP°CḡPeC-PSCİPSPSC-P·PjCř C- PrPëCİC,PsPSC-C— Cř
PİP°C†C-C”PSC,C-PI, CİPeC- PsC,CḡPëPjCřPIP°P»Pë P»C-PeCřPIP°PSPSCİİ
PsP»P°PSP·P°PİC-PSPsPj, P±CřP»P° PIPëC%oP°, PSC-P¶ Cř C...PsPrC- PrPsCİP»C-PrP¶PµPSCḢ
PİP»P°C†PµP±Ps, P°P»Pµ PeP»C-PSC-C†PSPs PSPµP·PSP°C†PSPs. PŞP°CİC,PsC,P°
PIPëPSPëPePSPµPSPSCİİ PİP°CḡPeC-PSCİPSPSC-P·PjCř, P°PeP°C,PëP·C-C— C-
PrPëCİC,PsPSC-C— Cř PİP°C†C-C”PSC,C-PI, CİPeC- PsC,CḡPëPjCřPIP°P»Pë
P»C-PeCřPIP°PSPSCİİ PsP»P°PSP·P°PİC-PSPsPj, P±CřP»P° PSPëP¶C†P°, PSC-P¶ PİCḡPë
P·P°CİC,PsCİCřPIP°PSPSC- C,PëC,CḡPsPIP°PSPëC... PrPsP· PİP°P»PsPİPµCḡPëPrPsP»Cř.
PŞPµCḡPµP· PIC-PrCİCřC,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... CḡCřC...PsPIPëC... PİPsCḡCřCëPµPSCḢ PSPµ
PjPsP¶PSP° PICİC,P°PSPsPIPëC,Pë, C%oPs PsP»P°PSP·P°PİC-PS PjPµPSCëPµ
CİPİCḡPëC†PëPSCİC” PİC-P·PSCḢ PrPëCİPeC-PSPµP·C-CḢ C,P°/P°P±Ps C-PSCëC- PİC-P·PSC-
PµPeCİC,CḡP°PİC-CḡP°PjC-PrP°P»CHPSC- CİPëPSPřCḡPsPjPë.

⁷ Pj CḡP°P·C- CḡC-P·PePsPiPs PİCḡPëPİPëPSPµPSPSCİİ C,PµCḡP°PİC-C—
PsP»P°PSP·P°PİC-PSPsPj PİPsPIC-PrPsPjP»CİP»PsCİCİ PİCḡPs PİPsCİC,CḡC- CİPëPjPİC,PsPjPë:
PİC-PrPIPëC%oPµPSPµ PİPsC,PsPIPëPrC-P»PµPSPSCİİ, P±PµP·CİPSPSPSCİİ, C,CḡPµPjPsCḡ,
P°P¶PëC,P°C†C-CḢ, PSCřPrPsC,Cř C- P±P»CḢPIP°PSPSCİİ.

⁸ Pj C...PsPrC- PeP»C-PSC-C†PSPëC... PrPsCİP»C-PrP¶PµPSCḢ (PrPs 12 C,PëP¶PSC-PI)
PIPëP·PSP°C†PµPSPs, C%oPs PePsPSC†PµPSC,CḡP°C†C-Cİ PİCḡPsP»P°PeC,PëPSCř Cř
PİP»P°P·PjC- PeCḡPsPIC- PİPµCḡPµPIPëC%oCřPIP°P»P° PIPµCḡC...PSCḢ PjPµP¶Cř PSPsCḡPjPë
Cř 30 % PİP°C†C-C”PSC,C-PI, CİPeC- P·P°CİC,PsCİPSPICřPIP°P»Pë PsP»P°PSP·P°PİC-PS. Pj
P±C-P»CHCëPsCİC,C- PİP°C†C-C”PSC,C-PI C,P°PePµ PİC-PrPIPëC%oPµPSPSCİİ P±CřP»Ps
PİPsPjC-CḡPSPëPj C- P·P°P»PëCëP°P»PsCİCİ Pİ PjPµP¶P°C... P·PSP°C†PµPSCḢ, Cř PrPIP°
CḡP°P·Pë PSPëP¶C†PëC... PIC-Pr PIPµCḡC...PSCḢPsC— PjPµP¶C- PSPsCḡPjPë.

⁹ PµPsP±C-C†PSC- CḡPµP°PeC†C-C—, C%oPs P±CřP»Pë PIPëCİPIP»PµPSC- Cř
PeP»C-PSC-C†PSPëC... PrPsCİP»C-PrP¶PµPSPSCİC..., P·PİC-PrPSPs P·
C-PSC,PµPİCḡPsPIP°PSPsCḢ P±P°P·PsCḢ PrP°PSPëC... C%oPsPrPs PsP»P°PSP·P°PİC-PSCř.

¹⁰ PhC†C-PSPeP° PIPëP·PSP°C†PµPSPëC... Cř PeP»C-PSC-C†PSPëC...
PrPsCİP»C-PrP¶PµPSPSCİC... P·PSP°C†PµPSCḢ P·PİC-PrPSPs P· C-PSC,PµPİCḡPsPIP°PSPsCḢ
P±P°P·PsCḢ PrP°PSPëC... C%oPsPrPs PsP»P°PSP·P°PİC-PSCř.

¹¹ PŞP°CİC,PsC,P° PİPsP±C-C†PSPëC... CḡPµP°PeC†C-PNë, PİCḡPs CİPeC-
PİPsPIC-PrPsPjP»CİP»PsCİCİ Cř CİPİPsPSC,P°PSPSPëC...
PİPsCİC,PjP°CḡPePµC,PëPSPİPsPIPëC... P·PIC-C,P°C..., PICİC,P°PSPsPIP»PµPSP° PSP°
PsCİPSPsPIC- C-PSC,PµPİCḡPsPIP°PSPsC— P±P°P·Pë PrP°PSPëC... C%oPsPrPs
PsP»P°PSP·P°PİC-PSCř.

¹² PŞP°CİC,PsC,P° PİPsP±C-C†PSPëC... CḡPµP°PeC†C-PNë, PİCḡPs CİPeC-
PİPsPIC-PrPsPjP»CİP»PsCİCİ Cř CİPİPsPSC,P°PSPSPëC...
PİPsCİC,PjP°CḡPePµC,PëPSPİPsPIPëC... P·PIC-C,P°C..., PsC†C-PSPµPSP° P·
PIPëPePsCḡPëCİC,P°PSPSCİPj PrPsPIC-CḡC†PsPiPs C-PSC,PµCḡPIP°P»Cř Pİ PIPµCḡC...PSC-PNë
PjPµP¶C- PSPsCḡPjPë (95 %) PSP° PsCİPSPsPIC- C-PSC,PµPİCḡPsPIP°PSPsC— P±P°P·Pë
PrP°PSPëC... C%oPsPrPs PsP»P°PSP·P°PİC-PSCř.

P’PİP»PëPI PİCḡPë PrPsPIPiPsC,CḡPëPIP°P»PsPjCř P·P°CİC,PsCİCřPIP°PSPSC- (PSPµ

PjPμPSC€Pμ 48 C, PēP¶PSC-PI). P'C-PrCfPsc,PsPe PīP°C†C-C"PSC,C-PI, Cr CŪPePēC...
PIC-PrP·PSP°C†P°P»PēCfCŪ PīPsP±C-C†PSC- CŷPμP°PeC†C-C— Cr PIPēPiP»CŪPrC-
PeP»C-PSC-C†PSPs C†C†C,C,C"PIPsPiPs PīC-PrPIPēC%PμPSPSCŪ PjP°C†Pē C,C-P»P°,
P·PjC-PSPē CŷC-PIPSCŪ PiP»CŷPePsP·Pē, P·P°PiP°P»CHPSPsPiPs
C...PsP»PμC†C,PμCŷPēPSC†/P>PμP¢P©/P>PμP'P© P°P±Ps C,CŷPēPiP»C-C†PμCŷPēPrC-PI,
PīPsC†C,C-PMēPSPs P·P±C-P»CHC€C†PIP°PIC†CŪ. PJ PrPsCŷPsC†P»PēC...
PīP°C†C-C"PSC,C-PI, CŪPeC- P·P°PeC-PSC†PēP»Pē 9Bŷ"12 PjC-C†CŪC†PSPēPNē
PeC†CŷC† C,PμCŷP°PiC-C—, C,PμPjPi PīC-PrPIPēC%PμPSPSCŪ CŷC-PIPSCŪ
PiP»CŷPePsP·Pē PI PeCŷPsPIC- PSP°C,C%Pμ CrPiPsPIC-P»CHPSPēPIC†CŪ
PīCŷPēP±P»PēP·PSPs PīC-C†P»CŪ 6 PjC-C†CŪC†C-PI P»C-PeC†PIP°PSPSCŪ.

PμPsP±C-C†PSC- CŷPμP°PeC†C-C— PI PsPeCŷPμPjPēC... PīPsPīC†P»CŪC†C-CŪC.... PJ
C...PsPrC- PeP»C-PSC-C†PSPēC... PrPsC†P»C-PrP¶PμPSCH Cr PīP°C†C-C"PSC,C-PI
P»C-C,PSCHPsPiPs PIC-PeC† C-P· PrPμPjPμPSC†C-C"Cŷ C,PμCŷP°PiC-CŪ
PsP»P°PSP·P°PiC-PSPsPj P±C†P»P° PīPsPIBŷ™ CŪP·P°PSP° P· PīC-PrPIPēC%PμPSPēPj
CŷC-PIPSμPj P»PμC,P°P»CHPSPēC... PIPēPīP°PrPeC-PI C,P°
C†PμCŷPμP±CŷPsPIP°C†PeC†P»CŪCŷPSPēPjPē PīPsP±C-C†PSPēPjPē
CŷPμP°PeC†C-CŪPjPē PīPsCŷC-PIPSCŪPSPs P· PiCŷC†PīPsCŷ PīP»P°C†PμP±Ps.
P"C†P¶Pμ PīPsC€PēCŷPμPSPēPjPē PSPμP±P°P¶P°PSPēPjPē PμC,,PμPeC,P°PjPē,
PīPsPIBŷ™ CŪP·P°PSPēPjPē C-P· P·P°C†C,PsC†C†PIP°PSPSCŪPj PsP»P°PSP·P°PiC-PSC†,
Cr PrP°PSPsC— PiCŷC†PīPē PīP°C†C-C"PSC,C-PI P±C†P»Pē PīPsCŷC†C€PμPSPSCŪ
C...PsPrPē C,P° PīP°PrC-PSPSCŪ. P§P°C†C,Ps C†PīPsC†C,PμCŷC-PiP°P»P°C†CŪ
PīPSPμPIPjPsPSC-CŪ, PīC-PrPIPēC%PμPSPSCŪ C,PμPjPiPμCŷP°C,C†CŷPē C,C-P»P°,
P»PμC,P°CŷPiC-CŪ, PμCŷPēC,PμPjP°, P·PsCŷPsPIC- PīP°P»CŷC†PēPSP°C†C-C— C,P°
PSPμC,CŷPēPjP°PSPSCŪ C†PμC†C-.

PJ C...PsPrC- PeP»C-PSC-C†PSPēC... PrPsC†P»C-PrP¶PμPSCH C†PμCŷPμPr PīP°C†C-C"PSC,C-PI
P· PjPμPrPēPeP°PjPμPSC,PsP·PSPs C-PSP†C†PePsPIP°PSPēPj (P°PiPsPSC-C†C, PrPsPīP°PjC-PSC†)
PīC†PēC...PsP·PsPj, PīPsPIBŷ™ CŪP·P°PSPēPj C-P· C...PIPsCŷPsP±PsCŷ PμP°CŷPeC-PSC†PsPSP°,
PīPsPiC-CŷC€PμPSPSCŪ PīP°CŷPeC-PSC†PsPSC-PIC†CHPePsC— C†PēPjPiC,PsPjP°C,PēPePē
C,P° PīP°P»CŷC†PēPSP°C†C-C— PIC-PrP·PSP°C†P°P»PsC†CŪ PrC†P¶Pμ C†P°C†C,Ps,
C†P°C†C,C-C€Pμ, PSC-P¶ Cr PiCŷC†PiC- PīP»P°C†PμP±Ps.

PJ C...PsPrC- PsPrPSPsPiPs PeP»C-PSC-C†PSPsPiPs PrPsC†P»C-PrP¶PμPSPSCŪ Cr
PīP°C†C-C"PSC,C-PI C-P· P±C-PiPsP»CŪCŷPSPsCŷ PjP°PSC-C"Cŷ PI CŷPμP·C†P»CHC,P°C,C-
P·P°C†C,PsC†C†PIP°PSPSCŪ PsP»P°PSP·P°PiC-PSC† Cr PePsPjP±C-PSP°C†C-C— P·
PIP°P»CHPiCŷPsP°C,PsPj C†PīPsC†C,PμCŷC-PiP°P»P°C†CŪ PSPμPMēC,CŷPsPiPμPSC-CŪ 4,1 %;
PīCŷPēC†PēPSPsCŷ PjPsP¶Pμ P±C†C,Pē PīC-PrPIPēC%PμPSPSCŪ CŷC-PIPSCŪ
PIP°P»CHPiCŷPsP°C,C† Cr PīP»P°P·PjC- PeCŷPsPIC-.

PJ CŷPμP·C†P»CHC,P°C,C- P·P°C†C,PsC†C†PIP°PSPSCŪ PsP»P°PSP·P°PiC-PSC† P· P»C-C,C-C"Pj
P°P±Ps PIP°P»CHPiCŷPsP°C,PsPj C†PīPsC†C,PμCŷC-PiP°P»PēC†CŪ (≥ 10 %) C,CŷPμPjPsCŷ,
C†C†C...C-C†C,CH Cr CŷPsC,C-, P·P±C-P»CHC€PμPSPSCŪ PjP°C†Pē C,C-P»P°,
PīC-PrPIPēC%PμPSPSCŪ P°PīPμC,PēC,C†. PŷP°PePsP¶ PīPsPIC-PrPsPjP»CŪP»PsC†CŪ PīCŷPs
PīPsCŷC†C€PμPSPSCŪ PjPsPIP»PμPSPSCŪ. PμC-Pr C†P°C† C,PμCŷP°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
PrPēPIP°P»PiCŷPsPμPeC†PsPj C†PīPsC†C,PμCŷC-PiP°P»PsC†CŪ P·P±C-P»CHC€PμPSPSCŪ
PjP°C†Pē C,C-P»P° ≥ 7 %B P†PŷPŷB (C-PSPrPμPeC†C† PjP°C†Pē C,C-P»P°) Cr 17,4 %
PīP°C†C-C"PSC,C-PI PīC-Pr C†P°C† C-PSC,PμPSC†PēPIPSPsC— C,PμCŷP°PiC-C— (PrPs 6

C, PëP¶PSC-PI). P"PsPIPiPsC, C¶PëPIP°P»Pµ P»C-PeCfPIP°PSPSC¶ PsP»P°PSP·P°PïC-PSPsPj (PrPs 12 C, PëP¶PSC-PI) PrP»C¶ PiPsPiPµC¶PµPrP¶PµPSPSC¶ C¶PµC†PëPrPëPIC-PI C¶ PïP°C†C-C"PSC, C-PI C-P· P±C-PiPsP»C¶C¶PSPëPjPë C¶PsP·P»P°PrP°PjPë P±CfP»Ps PïPsPiB¶™ C¶P·P°PSPs P· PïC-PrPIPëC%PµPSPSC¶Pj PjP°CfPë C, C-P»P° ≥ 7 % P†P¶P¶ C¶ 39,9 % PïP°C†C-C"PSC, C-PI.

P"C-C, Pë.

P¶P»P°PSP·P°PïC-PS PSPµ PiPsPeP°P·P°PSPëPµ PrP»C¶ P»C-PeCfPIP°PSPSC¶ PrC-C, PµPµ C, P° PïC-PrP»C-C, PeC-PI. P¶P»C-PSC-C¶PSPëC... PrPsCfP»C-PrP¶PµPSPSCH, C¶PeC-PiPsC¶C-PIPSC¶PIP°P»Pë P·P°CfC, PsCfCfPIP°PSPSC¶ PsP»P°PSP·P°PïC-PSCf C¶ PïC-PrP»C-C, PeC-PI C, P° PrPsC¶PsCfP»PëC..., PSPµ PïC¶PsPIPsPrPëP»Pë.

P¶PëP¶C¶Pµ PiPsPrP°PSPs PiPsP±C-C¶PSC- C¶PµP°PeC†C-C—, C%Ps P·CfCfC, C¶C-C¶P°P»PëCfC¶ C¶P°CfC, C-C¶Pµ C¶ PïC-PrP»C-C, PeC-PI (PIC-PePsPj PIC-Pr 13B¶"17 C¶PsPeC-PI), PSC-P¶ C¶ PrPsC¶PsCfP»PëC..., C, P° PiPsP±C-C¶PSC- C¶PµP°PeC†C-C—, C%Ps P±CfP»Pë PIPëC¶IP»PµPSC- C, C-P»C¶PePë PïC-Pr C¶P°Cf PePsC¶PsC, PePsC, C¶PëPIP°P»PëC... PeP»C-PSC-C¶PSPëC... PrPsCfP»C-PrP¶PµPSC¶ C¶ PïC-PrP»C-C, PeC-PI. P¶P»C-PSC-C¶PSPs P·PSP°C¶CfC%Pµ P·P±C-P»C¶C¶PµPSPSC¶ PjP°CfPë C, C-P»P° (≥ 7 %) C¶P°CfC, C-C¶Pµ C¶PïPsCfC, PµC¶C-PiP°P»PsCfC¶ C¶ PïC-PrP»C-C, PeC-PI PïPsC¶C-PIPSC¶PSPs P· PrPsC¶PsCfP»PëPjPë. PµC-Pr C¶P°Cf PrPsPIPiPsC, C¶PëPIP°P»PsPiPs P»C-PeCfPIP°PSPSC¶ (PSPµ PjPµPSC¶Pµ 24 C, PëP¶PSC-PI) PeP»C-PSC-C¶PSPs P·PSP°C¶CfC%Pµ P·P±C-P»C¶C¶PµPSPSC¶ PjP°CfPë C, C-P»P° P±CfP»Ps PIPëC%PëPj, PSC-P¶ PïC-Pr C¶P°Cf PePsC¶PsC, PePsC, C¶PëPIP°P»PsPiPs P»C-PeCfPIP°PSPSC¶.

P¶P°CfC, PsC, C¶B PiPsP±C-C¶PSPëC...B C¶PµP°PeC†C-Pµ, B P·P°P·PSP°C¶PµPSPëC... PSPëP¶C¶Pµ, PIPëP·PSP°C¶P°C¶C, C¶ C, P°PePëPj C¶PëPSPsPj: PrCfP¶Pµ C¶P°CfC, Ps (≥ 1/10), C¶P°CfC, Ps (≥ 1/100 B¶" < 1/10).

P— P±PsPeCf PsP±PjC-PSCf C¶PµC¶PsPIPëPS.

P"CfP¶Pµ C¶P°CfC, Ps: P·P±C-P»C¶C¶PµPSPSC¶ PjP°CfPë C, C-P»P°¹³, PïC-PrPIPëC%PµPSPSC¶ C¶C-PIPSC¶ C, C¶PëPiP»C-C†PµC¶PëPrC-PI¹⁴, PïC-PrPIPëC%PµPSPSC¶ P°PiPµC, PëC, C¶.

P¶P°CfC, Ps: PïC-PrPIPëC%PµPSPSC¶ C¶C-PIPSC¶ C...PsP»PµCfC, PµC¶PëPSCf¹⁵.

P— P±PsPeCf PSPµC¶PIPsPIPsC— CfPëCfC, PµPjPë.

P"CfP¶Pµ C¶P°CfC, Ps: CfPµPrP°C†C-C¶ (C¶ C, PsPjCf C¶PëCfP»C- PïC-PiPµC¶CfPsPjPSC-C¶, PjP»C¶PIC-CfC, C¶, CfPsPSP»PëPIC-CfC, C¶).

P— P±PsPeCf C¶P»CfPSPePsPIPs-PePëC¶PePsPIPsPiPs C, C¶P°PeC, C¶.

P¶P°CfC, Ps: CfCfC...C-CfC, C¶ C¶C¶C, C-.

P— P±PsPeCf PiPµPiP°C, PsP±C-P»C-P°C¶PSPsC— CfPëCfC, PµPjPë.

P"CfP¶Pµ C¶P°CfC, Ps: PïC-PrPIPëC%PµPSPSC¶ C¶C-PIPSC¶ PiPµC¶C-PSPePsPIPëC... C, C¶P°PSCfP°PjC-PSP°P· (P¶P»P¶P¶ C, P° P¶CfP¶P¶).

P"PsCfP»C-PrP¶PµPSPSC¶.

P"CfP¶Pµ C¶P°CfC, Ps: P·PSPëP¶PµPSPSC¶ C¶C-PIPSC¶ P·P°PiP°P»C¶PSPsPiPs

$P \pm C - P \gg C - C \bar{H} C r P \pm C - P S C r$, $P i C - P r P I P e C \% P \mu P S P S C l$ $C \bar{H} C - P I P S C l$ $P i P^{\circ} P j P j P^{\circ} -$
 $P i P \gg C r C, P^{\circ} P j C - P \gg C, C \bar{H} P^{\circ} P S C r C, P \mu C \bar{H} P^{\circ} P \cdot P e$, $P i C - P r P I P e C \% P \mu P S P S C l$ $C \bar{H} C - P I P S C l$
 $P i C \bar{H} P s P \gg P^{\circ} P e C, P e P S C r$ $C r$ $P i P \gg P^{\circ} P \cdot P j C - P e C \bar{H} P s P I C$ -¹⁶.

¹³ $P \mu C - C r P \gg C l$ $P e P s C \bar{H} P s C, P e P s C \ddagger P^{\circ} C r P S P s P i P s$ $P \gg C - P e C r P I P^{\circ} P S P S C l$ ($C r P \mu C \bar{H} P \mu P r P S C l$
 $C, C \bar{H} P e P I P^{\circ} P \gg C - C r C, C \bar{H} C r C, P^{\circ} P S P s P I P e P \gg P^{\circ} 22 P r P S C -$) $P \cdot P \pm C - P \gg C \bar{H} C e P \mu P S P S C l$ $P j P^{\circ} C r P e$
 $C, C - P \gg P^{\circ} P S P^{\circ} \geq 7 \% C r P i P s C r C, P \mu C \bar{H} C - P i P^{\circ} P \gg P s C r C l$ $P r C r P \mu C \ddagger P^{\circ} C r C, P s$ (40,6 %
 $P I P e P i P^{\circ} P r P e C - P I$), $\geq 15 \% C r P i P s C r C, P \mu C \bar{H} C - P i P^{\circ} P \gg P s C r C l$ $C \ddagger P^{\circ} C r C, P s$ (7,1 %
 $P I P e P i P^{\circ} P r P e C - P I$) $C, P^{\circ} \geq 25 \% C r P i P s C r C, P \mu C \bar{H} C - P i P^{\circ} P \gg P s C r C l$ $P S P \mu C \ddagger P^{\circ} C r C, P s$ (2,5 %
 $P I P e P i P^{\circ} P r P e C - P I$). $P \mu C - P r C \ddagger P^{\circ} C r P r P s P I P i P s C, C \bar{H} P e P I P^{\circ} P \gg P s P i P s$ $P \gg C - P e C r P I P^{\circ} P S P S C l$ ($P S P \mu$
 $P j P \mu P S C e P \mu 24 C, P e P \mu P S C - P I$) $C r 89,4 \% P i P^{\circ} C \ddagger C - C^{\circ} P S C, C - P I C r P i P s C r C, P \mu C \bar{H} C - P i P^{\circ} P \gg P s C r C l$
 $P \cdot P \pm C - P \gg C \bar{H} C e P \mu P S P S C l$ $P j P^{\circ} C r P e C, C - P \gg P^{\circ} P S P^{\circ} \geq 7 \%$, $C r 55,3 \% \text{ в } \bar{H}^{\circ} P S P^{\circ} \geq 15 \% C, P^{\circ} C r$
 $29,1 \% \text{ в } \bar{H}^{\circ} P S P^{\circ} \geq 25 \%$.

¹⁴ $P \bar{Y} P i P s C r C, P \mu C \bar{H} C - P i P^{\circ} P \gg P s C r C l$ $C r P i P^{\circ} C \ddagger C - C^{\circ} P S C, C - P I P \cdot P S P s C \bar{H} P j P^{\circ} P \gg C \bar{H} P S P e P j$
 $P i P s C \ddagger P^{\circ} C, P e P s P I P e P j C \bar{H} C - P I P S P \mu P j P S P^{\circ} C, C \% P \mu (< 1,016 P j P j P s P \gg C \bar{H} / P \gg)$, $C l P e P e P N e$
 $P i C - P r P I P e C \% C r P I P^{\circ} P I C r C l P r P s P I P e C r P s P e P s P i P s (\geq 1,467 P j P j P s P \gg C \bar{H} / P \gg)$. $P^{\circ} C r P \mu$
 $C \ddagger P^{\circ} C r C, P s P i P s P I C - P r P s P j P \gg C l P \gg P s C r C l P i C \bar{H} P s C \bar{H} C - P \cdot P e P \mu P i C - P r P I P e C \% P \mu P S P S C l$
 $C \bar{H} C - P I P S C l C, C \bar{H} P e P i P \gg C - C \ddagger P \mu C \bar{H} P e P r C - P I P S P^{\circ} C, C \% P \mu P \cdot P i P s C \ddagger P^{\circ} C, P e P s P I P s P i P s$
 $C \bar{H} C - P I P S C l (\geq 1,016 \text{ в } \bar{H}^{\circ} < 1,467 P j P j P s P \gg C \bar{H} / P \gg) P r P s P I P e C r P s P e P s P i P s C \bar{H} C - P I P S C l (\geq 1,467$
 $P j P j P s P \gg C \bar{H} / P \gg)$.

¹⁵ $P \bar{Y} P i P s C r C, P \mu C \bar{H} C - P i P^{\circ} P \gg P s C r C l$ $C r P i P^{\circ} C \ddagger C - C^{\circ} P S C, C - P I P \cdot P S P s C \bar{H} P j P^{\circ} P \gg C \bar{H} P S P e P j$
 $P i P s C \ddagger P^{\circ} C, P e P s P I P e P j C \bar{H} C - P I P S P \mu P j C \dots P s P \gg P \mu C r C, P \mu C \bar{H} P s P \gg C r P S P^{\circ} C, C \% P \mu P \cdot$
 $P i P s C \ddagger P^{\circ} C, P e P s P I P s P i P s B C \bar{H} C - P I P S C l (< 4,39 P j P j P s P \gg C \bar{H} / P \gg) P r P s P I P e C r P s P e P s P i P s$
 $C \bar{H} C - P I P S C l (\geq 5,17 P j P j P s P \gg C \bar{H} / P \gg)$. $P^{\circ} C r P \mu C \ddagger P^{\circ} C r C, P s P i P s P I C - P r P s P j P \gg C l P \gg P s C r C l$
 $P i C \bar{H} P s C \bar{H} C - P \cdot P e P \mu P i C - P r P I P e C \% P \mu P S P S C l C \bar{H} C - P I P S C l P \cdot P^{\circ} P i P^{\circ} P \gg C \bar{H} P S P s P i P s$
 $C \dots P s P \gg P \mu C r C, P \mu C \bar{H} P s P \gg C r P S P^{\circ} C, C \% P \mu P \cdot P i P s C \ddagger P^{\circ} C, P e P s P I P s P i P s C \bar{H} C - P I P S C l (\geq 4,39 \text{ в } \bar{H}^{\circ} <$
 $5,17 P j P j P s P \gg C \bar{H} / P \gg) P r P s P I P e C r P s P e P s P i P s C \bar{H} C - P I P S C l (\geq 5,17 P j P j P s P \gg C \bar{H} / P \gg)$.

¹⁶ $P j 47,4 \% P i C - P r P \gg C - C, P e C - P I C r P i P s C r C, P \mu C \bar{H} C - P i P^{\circ} P \gg P s C r C l P i C - P r P I P e C \% P \mu P S P S C l$
 $C \bar{H} C - P I P S C l P i C \bar{H} P s P \gg P^{\circ} P e C, P e P S C r C r P i P \gg P^{\circ} P \cdot P j C - P e C \bar{H} P s P I C$.

$P \ddagger P S C e C - P i P s P \pm C - C \ddagger P S C - C \bar{H} P \mu P^{\circ} P e C \ddagger C - C$, $C \% P s C r P i P s C r C, P \mu C \bar{H} C - P i P^{\circ} P \gg P e C r C l P I$
 $C \dots P s P r C - P e P \gg C - P S C - C \ddagger P S P e C \dots P r P s C r P \gg C - P r P \mu P S C \bar{H} P i P \mu C \bar{H} P s C \bar{H} P^{\circ} P \gg C \bar{H} P S P s P i P s$
 $P \cdot P^{\circ} C r C, P s C r C \ddagger P I P^{\circ} P S P S C l P s P \gg P^{\circ} P S P \cdot P^{\circ} P i C - P S C \acute{e}$.

$P \mu P s C \bar{H} C r C e P \mu P S P S C l P \cdot P \pm P s P e C r P S P \mu C \bar{H} P I P s P i P s C$ — $C r P e C r C, P \mu P j P e$: $P S P \mu C \ddagger P^{\circ} C r C, P s (\geq$
 $0,1 \%) \text{ в } \bar{H}^{\circ} P^{\circ} C, P^{\circ} P e C r C - C l, P r P e P \cdot P^{\circ} C \bar{H} C, C \bar{H} C - C l$.

$P^{\circ} C r P \mu C \bar{H} C - P r P e P s P i P s P I C - P r P s P j P \gg C l P \gg P s C r C l P i C \bar{H} P s C r P e P S P r C \bar{H} P s P j P I C - P r P j C - P S P e$
 $(P I P e P \gg C \bar{H} C \ddagger P^{\circ} C \bar{H} C \ddagger P e P r C - P^{\circ} C \bar{H} P \mu C \bar{H}, P S C r P r P s C, C r, P \pm P \gg C \bar{H} P I P^{\circ} P S P S C l)$.

$P \ddagger P \cdot P i P s C r C, P j P^{\circ} C \bar{H} P e P \mu C, P e P S P i P s P I P s P i P s P r P s C r P I C - P r C \acute{e} P I C - P r P s P j P s P i C \bar{H} P s$
 $P S P e P \mu C \ddagger P \mu P \cdot P^{\circ} P \cdot P S P^{\circ} C \ddagger P \mu P S C - P i P s P \pm C - C \ddagger P S C - C l P I P e C \% P^{\circ}$.

P — $P \pm P s P e C \acute{e} P i P \mu P i P^{\circ} C, P s P \pm C - P \gg C - P^{\circ} C \bar{H} P S P s C$ — $C r P e C r C, P \mu P j P e$: $P r C r P \mu C \bar{H} C - P r P e P s (<$
 $0,01 \%) \text{ в } \bar{H}^{\circ} P \mu P s P I C, C l P S P e C \ddagger C l$.

P — $P \pm P s P e C \acute{e} C e P e C - C \bar{H} P e C, P^{\circ} C - C - P i P s C \dots C - P r P S P e C \dots$: $C \bar{H} C - P r P e P s (< 0,1 \% C - > 0,01 \%)$

вҒ“ PIPёCГPёPіP°PSPSCЦ.

$P - P \pm PsPeC \acute{C} C - PjC \acute{C} PSPSPsC - CГPёCГC, P\mu PjPё: P^\circ P \gg P\mu CГPiC - C \ddagger PSC - CГP\mu P^\circ PeC \ddagger C - C -$,
PIPeP»CГC‡P°CГC‡Pё: PrCГP¶Pµ CГC-PrPePs (< 0,01 %) вҒ“ P°PSP°C,,C-P»P°PeC,PёC‡PSC-
CГPµP°PeC‡C-C—, P°PSPiC-PsPSPµPICГГPsC,PёC‡PSPёPNё PSP°P±CГCЦPe (< 0,01 %),
PeCГPsPіPёPIвҒ™ CЦPSPeCГ P°P±Ps CГPIPµCГP±C-P¶.

$P \ddagger PSC \epsilon C - PsCГPSPsPIPSC - PSP\mu P \pm P^\circ P \parallel P^\circ PSC - CЦPIPёC \% P^\circ, C \dots P^\circ CГP^\circ PeC, P\mu CГPSC - PrP \gg CЦ$
 $PіP^\circ C \ddagger C - C''PSC, C - PI P \cdot P \pm C - PіPsP \gg CЦCГPSPsCГ PjP^\circ PSC - C''CГ, CЦPeC - PsC, CГPёPjC \acute{C} CГC, CГ$
 $PsP \gg P^\circ PSP \cdot P^\circ PіC - PS C \acute{C} PePsPjP \pm C - PSP^\circ C \ddagger C - C - P \cdot P \gg C - C, C - C''Pj C \ddagger Pё PIP^\circ P \gg CГPіCГPsP^\circ C, PsPj.$

P"CrP¶Pµ C‡P°CГC,Ps PіPsPIC-PrPsPjP»CЦP»PsCГCЦ PіCГPs C,CГPµPjPsCГ (> 10 %). PұCГPs
PіPsCГCГC¶PµPSPSCЦ PjPsPIP»PµPSPSCЦ PіPsPIC-PrPsPjP»CЦP»PsCГCЦ C‡P°CГC,Ps (> 1 %
C,P° <10 %).

$P \ddagger PSC \epsilon C - PsCГPSPsPIPSC - PSP\mu P \pm P^\circ P \parallel P^\circ PSC - CЦPIPёC \% P^\circ, C \dots P^\circ CГP^\circ PeC, P\mu CГPSC - PrP \gg CЦ$
 $PіP^\circ C \ddagger C - C''PSC, C - PI P \cdot C - PSPrC \acute{C} PePsPIP^\circ PSPёPj P \gg C - PeP^\circ CГCГCГPePёPj P \cdot P^\circ CГPsP \pm PsPj$
 $(P^\circ PіPsPSC - CГC, PsPj PrPsPіP^\circ PjC - PSC \acute{C}) PіCГPёC \dots PsP \cdot PsPj, PіPsPIвҒ™ CЦP \cdot P^\circ PSPёPj P \cdot$
 $C \dots PIPsCГPsP \pm PsCГ P\mu P^\circ CГPeC - PSCГPsPSP^\circ.$

P"CrP¶Pµ C‡P°CГC,Ps PіPsPIC-PrPsPjP»CЦP»PsCГCЦ PіCГPs PіP°P»CГC‡PёPSP°C‡C-C— (> 10
%).

$P \ddagger PSC \epsilon C - PsCГPSPsPIPSC - PSP\mu P \pm P^\circ P \parallel P^\circ PSC - CЦPIPёC \% P^\circ, C \dots P^\circ CГP^\circ PeC, P\mu CГPSC - PrP \gg CЦ$
 $PіP^\circ C \ddagger C - C''PSC, C - PI P \gg C - C, PSCHPsPіPs PIC - PeC \acute{C} P \cdot PіCГPёC \dots PsP \cdot PsPj PSP^\circ C, P \gg C -$
 $PrP\mu PjP\mu PSC \ddagger C - C -$.

P"CrP¶Pµ C‡P°CГC,Ps PіPsPIC-PrPsPjP»CЦP»PsCГCЦ PіCГPs PіPsCГCГC¶PµPSPSCЦ C...PsPrPё
(> 10 %).

$P\ddot{y}P\mu CГPjC - PS PіCГPёPrP^\circ C, PSPsCГC, C - .$ 3 CГPsPePё.

PJ PjPsPIPё P·P±PµCГC-PiP°PSPSCЦ. P—P±PµCГC-PiP°C,Pё PіCГPё
C,PµPjPіPµCГP°C,CГCГC- PSPµ PIPёC%Pµ 25 B°PŸ, PI PsCГPёPiC-PSP°P»CГPSC-PNё
CГPіP°PePsPIC‡C-.

P—P±PµCГC-PiP°C,PёB CГ PSPµPrPsCГC,CГPіPSPsPjCГ PrP»CЦ PrC-C,PµPNё PjC-CГC‡C-.

PJPіP°PePsPIPeP°. PµPs 30 C,P°P±P»PµC,PsPe CГ P±P»C-CГC,PµCГC-; PіPs 1
P±P»C-CГC,PµCГCГ CГ PeP°CГC,PsPSPSC-PNё PePsCГPsP±C‡C-.

B B B B B B B PљP°C,PµPiPsCГC-CЦ PIC-PrPіCГCГPeCГ. P—P° CГPµC‡PµPіC,PsPj.

B B B B B B B

