

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- C₇H₅μC†PμPīC,PsC₇H₅Pē. P'PēC₇IPIP»PμPSPs P·Pīb₇TM C₇IP·C₇IPIP°PSPSC₇ P·
 C₇IPμC₇PsC,PsPSC-PSPsPIPēPjPē C₇H₅μC†PμPīC,PsC₇H₅P°PjPē 5 P₆K₇P₂Ÿ_{2P₆/2P₇}, 5 P₆K₇P₃, 5 P₆K₇P₆,
 PrPsPīP°PjC-PSPsPIPēPjPē C₇H₅μC†PμPīC,PsC₇H₅P°PjPē D₁, D₂, D₃, D₄, D₅,
 PjC₇C₇PēP°C₇H₅PēPSPsPIPēPjPē C₇H₅μC†PμPīC,PsC₇H₅P°PjPē P₇Б₇Т₇“P₇Б₇,
 P°PrC₇H₅μPSPμC₇H₅PiC-C†PSPēPj C₇H₅μC†PμPīC,PsC₇H₅PsPj a₁ C- PiC-C₇IC,P°PjC-PSPsPIPēPj P₆K₁-
 C₇H₅μC†PμPīC,PsC₇H₅PsPj. Pj C...PsPrC- PrPsC₇IP»C-PrP₇IPμPSC₇ PīPsPIPμPrC-PSPePē
 C,PIP°C₇H₅PēPS, C₇IPePēPj PIPiPsPrPēP»Pē PsP»P°PSP·P°PīC-PS, PIPēC₇IPIP»PμPSPs
 P°PSC,P°PiPsPSC-P·Pj PsP»P°PSP·P°PīC-PSC₇ C₇IPe PrPs C₇IPμC₇PsC,PsPSC-PSPsPIPēC...
 C₇H₅μC†PμPīC,PsC₇H₅C-PI 5P₆K₇P₃, C,P°Pe C- PrPs PrPsPīP°PjC-PSPsPIPēC... C,P°
 C...PsP»C-PSPμC₇H₅PiC-C†PSPēC... PhP»P°PSP·P°PīC-PS PjP°C” PIPēC%PēPN₆ C₇H₅C-PIPμPSC₇
 P·Pīb₇TM C₇IP·C₇IPIP°PSPSC₇ P· C₇H₅μC†PμPīC,PsC₇H₅P°PjPē C₇IPμC₇PsC,PsPSC-PSC₇ 5P₆K₇P₂,
 PSC-P₇ P· C₇H₅μC†PμPīC,PsC₇H₅P°PjPē PrPsPīP°PjC-PSC₇ D₂, C₇ PjPsPrPμP»C₇IC... C₇IPe *in vitro*,
 C,P°Pe C- *in vivo*. P·P»PμPeC,C₇H₅PsC,,C-P·C-PsP»PsPiC-C†PSC- PrPsC₇IP»C-PrP₇IPμPSPSC₇
 PīPsPeP°P·P°P»Pē, C%Ps PsP»P°PSP·P°PīC-PS C₇IPμP»PμPeC,PēIPSPs P·PjPμPSC€C₇C”
 P·P±C₇PrP»PēPIC-C₇IC,CH PjPμP·PsP»C-PjP±C-C†PSPēC... (P₇10)
 PrPsPīP°PjC-PSPμC₇H₅PiC-C†PSPēC... PSPμPN₆C₇H₅PsPSC-PI, PīC₇H₅PsC₇IPIP»C₇IC₇C†Pē PīC₇H₅Pē
 C†CH₅PsPjC₇ PSPμP·PSP°C†PSPēPN₆ PIPiP»PēPI PSP° C₇IC,C₇H₅C-P°C₇H₅PSC- (P₇9) C€P»C₇IC...Pē,
 PīPsPīb₇TM C₇IP·P°PSC- P· PjPsC,PsC₇H₅PSPsC₇ C,,C₇IPSPeC†C-C”C₇H₅. PhP»P°PSP·P°PīC-PS
 PīP°P»CH₅PjC₇C” C₇PjPsPIPSPēPN₆ C₇H₅μC,,P»PμPeC₇ C₇IPSPēPePSPμPSPSC₇, C%Ps
 C₇IPIC-PrC†PēC,CH PīC₇H₅Ps PN₆PsPiPs P°PSC,PēPīC₇IPēC...PsC,PēC†PSC₇ P°PeC,PēIPSC-C₇IC,CH
 PīC₇H₅Pē PīC₇H₅PēPN₆PsPjC- PI PrPsP·P°C..., PjPμPSC€PēC..., PSC-P₇ PrPsP·Pē, C%Ps
 C₇IPiC₇H₅PēC†PēPSC₇IC₇C,CH PeP°C,P°P»PμPīC₇IC-C₇H₅, C₇IPeP° C” PsP·PSP°PePsC₇
 PīPsP±C-C†PSPēC... PjPsC,PsC₇H₅PSPēC... PμC,,PμPeC,C-PI. P₆K° PIC-PrPjC-PSC₇ PIC-Pr
 PrPμC₇IPePēC... C-PSC€PēC... P°PSC,PēPīC₇IPēC...PsC,PēC†PSPēC... P»C-PeP°C₇IC₇CH₅PePēC...
 P·P°C₇IPsP±C-PI, PsP»P°PSP·P°PīC-PS PīPsC₇IPēP»C₇H₅C” C₇H₅μP°PeC†C-C— PSP°
 PīPsPrC₇H₅P°P·PSPēPePē PīC₇H₅Pē PīC₇H₅PsPIPμPrPμPSPSC- P°PSPeC₇IC-PsP»C-C,PēC†PSPsPiPs
 C,PμC₇IC,C₇.

PμC₇H₅Pē PsPrPSPsC₇H₅P°P·PsPIPpsPjC₇ PīC₇H₅PēPN₆PsPjC- 10 PjPi PsP»P°PSP·P°PīC-PSC₇ C₇
 C...PsPrC- PīPsP·PēC,C₇H₅PsPSPSPs-PμPjC-C₇IC-PN₆PSPsC— C,PsPjPsPiC₇H₅P°C,,C-C— (PμP·P₇) P·P°
 C₇C†P°C₇IC,C₇H₅ PrPsP±C₇H₅PsPIPpsP»CH₅C†C-PI P·b₇TM C₇IC₇IPsPIP°PSPs, C%Ps
 PsP»P°PSP·P°PīC-PS PjP°PI P±C-P»CH₅C€PēPN₆ C₇H₅C-PIPμPSC₇ P·Pīb₇TM C₇IP·C₇IPIP°PSPSC₇ P·
 C₇H₅μC†PμPīC,PsC₇H₅P°PjPē 5 P₆K₇P_{2P₆}, PSC-P₇ P· PrPsPīP°PjC-PSPsPIPēPjPē
 C₇H₅μC†PμPīC,PsC₇H₅P°PjPē D₂. P₇Б₇Т₇C-Pj C,PsPiPs, C₇ C₇H₅μP·C₇IP»CH₅C,P°C,C- P°PSP°P»C-P·C₇
 P·PsP±C₇H₅P°P₇IPμPSC₇, PsC,C₇H₅PēPjP°PSPēC... PiC-Pr C†P°C₇ PrPsC₇IP»C-PrP₇IPμPSC₇
 PīP°C†C-C”PSC,C-PI, C...PIPSC₇H₅PēC... PSP° C€PēP·PsC,,C₇H₅μPSC-C₇H₅, PjPμC,PsPrPsPj
 PsPrPSPsC,,PsC,PsPSPSPsC— PμPjC-C₇IC-PN₆PSPsC— PePsPjPīb₇TM C₇H₅,PμC₇H₅PSPsC—
 C,PsPjPsPiC₇H₅P°C,,C-C— (PhPαP·P₇Б₇), P·b₇TM C₇IC₇IC₇IPIP°P»PsC₇IC₇, C%Ps C₇
 PīP°C†C-C”PSC,C-PI, C†C₇C,P»PēPIPēC... PrPs PsP»P°PSP·P°PīC-PSC₇, PjPμPSC€PēPN₆
 C₇H₅C-PIPμPSC₇ P·Pīb₇TM C₇IP·C₇IPIP°PSPSC₇ P·C- C₇IC,C₇H₅C-P°C₇H₅PSPēPjPē D₂-
 C₇H₅μC†PμPīC,PsC₇H₅P°PjPē, PSC-P₇ C₇ C-PSC€PēC... C†C₇C,P»PēPIPēC... PrPs
 P°PSC,PēPīC₇IPēC...PsC,PēPeC-PI C,P° C₇H₅μC₇IPiC-C₇H₅PēPrPsPSC₇ PīP°C†C-C”PSC,C-PI,
 C₇IPePēPN₆ PīPsC₇H₅C-PIPSC₇IPSPSPēPN₆ P· C,P°PePēPj C₇ PīP°C†C-C”PSC,C-PI,
 C†C₇C,P»PēPIPēC... PrPs PeP»PsP·P°PīC-PSC₇.

P₇Б₇Т₇»C-PSC-C†PSP° PμC,,PμPeC,PēIPSC-C₇IC,CH.

Pj PrPIPsC... C-P· PrPIPsC... PīP»P°C†PμP±Ps-PePsPSC,C₇H₅PsP»CH₅PsPIP°PSPēC... C- PrPIPsC...
 C-P· C,C₇H₅CH₅PsC... PīPsC₇H₅C-PIPSC₇IP»CH₅PSPs-PePsPSC,C₇H₅PsP»CH₅PsPIP°PSPēC...
 PrPsC₇IP»C-PrP₇IPμPSC₇ P· C₇C†P°C₇IC,C₇H₅ PīPsPSP°Pr 2900 C...PIPSC₇H₅PēC... PSP°
 C€PēP·PsC,,C₇H₅μPSC-C₇H₅ P· PīPsP·PēC,PēIPSPēPjPē C- PSPμPiP°C,PēIPSPēPjPē

PJ C...PsPrC- PSP°CÍ'C,CrPİPSPsPiPs 12-PjC-Cl'ClC†PSPsPiPs PrPsCl'P»C-PrP¶PµPSPSCİ¶
PiCḡPsC,,C-P»P°PeC,PëPePë CḡPµC†PëPrPëPIC-PI PjP°PSC-P°PeP°P»CHBPSPëC...
PµPiC-P·PsPrC-PI Cr PİP°C†C-C"PSC,C-PI, ClPeC- PrPsCl'ClPiP»Pë CḡPµPjC-Cl'C-C— Cr
CḡPµP·CrP»CHC,P°C,C- Cl'CrPiCrC,PSCHPsPiPs P»C-PeCrPIP°PSPSCİ¶ PsP»P°PSP·P°PiC-PSPsPj
C,P° P»C-C,C-C"Pj C- P·PiPsPrPsPj P±CrP»Pë CḡP°PSPrPsPjC-P·PsPIP°PSC- Cr PiCḡCrPİPë
PiCḡPëPNëPsPjCr PsP»P°PSP·P°PiC-PSCr P°P±Ps P»C-C,C-Cḡ PsPeCḡPµPjPs, PsP»P°PSP·P°PiC-PS
PSPµ PjP°PI Cl'C,P°C,PëCl'C,PëC†PSPs P·PSP°C†CrC‰PsC— PiPµCḡPµPIP°PiPë PSP°Pr
P»C-C,C-C"Pj Cr PeC-PSC†PµPIC-PNë C,PsC†C†C- PeCḡPëC,PµCḡC-Cḡ PsC†C-PSPePë

$\text{P}_{\mu}\text{C}\tilde{\text{H}}\text{P}_{\mu}\text{P}\dot{\text{P}}^{\circ}\text{C}\tilde{\text{H}}\text{P}^{\circ}\text{C}$, $\text{P}\text{r}\text{P}\text{sP}\pm\text{C}\tilde{\text{H}}\text{P}_{\mu}$ $\text{P}\dot{\text{I}}\text{C}\dot{\text{I}}\text{P}\text{jPsPeC,CrC}^{\circ}\text{C,C}\tilde{\text{H}}\text{C}\dot{\text{I}}\text{C}\dot{\text{I}}\text{P}\dot{\text{I}}\text{C}-\text{C}\dot{\text{I}}\text{P}\gg\text{C}\dot{\text{I}}$
 $\text{P}\dot{\text{I}}\text{P}_{\mu}\text{C}\tilde{\text{H}}\text{PsC}\tilde{\text{H}}\text{P}^{\circ}\text{P}\gg\text{C}\tilde{\text{H}}\text{PSPsPiPs}$ $\text{P}\dot{\text{I}}\text{C}\tilde{\text{H}}\text{P}\ddot{\text{P}}\text{N}_{\text{e}}\text{PsPjCr}$, C_{max} $\text{P}\text{N}_{\text{e}}\text{PsPiPs}$ Cr $\text{P}\dot{\text{I}}\text{P}\gg\text{P}^{\circ}\text{P}\cdot\text{PjC}-$ $\text{PeC}\tilde{\text{H}}\text{PsPIC}-$
 $\text{P}\text{r}\text{PsC}\dot{\text{I}}\text{C}\dot{\text{I}}\text{P}\dot{\text{I}}\text{P}^{\circ}\text{C}^{\circ}\text{C,C}\tilde{\text{H}}\text{C}\dot{\text{I}}\text{C}\dot{\text{I}}\text{C}$ $\text{C}\ddagger\text{P}_{\mu}\text{C}\tilde{\text{H}}\text{P}_{\mu}\text{P}\cdot$ $5\text{b}\tilde{\text{H}}^{\circ}\text{8}$ $\text{PiPsPrP}\ddot{\text{P}}\text{PS}$. $\text{P}\acute{\text{K}}\text{P}^{\circ}$ $\text{P}\dot{\text{I}}\text{C}\dot{\text{I}}\text{P}\text{jPsPeC,CrP}\dot{\text{I}}\text{P}^{\circ}\text{PSPSC}\dot{\text{I}}$
 $\text{PsP}\gg\text{P}^{\circ}\text{PSP}\cdot\text{P}^{\circ}\text{P}\dot{\text{I}}\text{C}-\text{PSCr}$ $\text{P}\dot{\text{I}}\text{C}\tilde{\text{H}}\text{P}\ddot{\text{P}}\text{N}_{\text{e}}\text{PsPj}$ $\text{C}-\text{P}\P\text{C}-$ PSP_{μ} $\text{P}\dot{\text{I}}\text{P}\dot{\text{I}}\text{P}\gg\text{P}\ddot{\text{P}}\text{I}\text{P}^{\circ}\text{C}^{\circ}$. $\text{P}\tilde{\text{H}}\text{P}\pm\text{C}\dot{\text{I}}\text{PsP}\gg\text{C}\tilde{\text{H}}\text{C,PSP}^{\circ}$
 $\text{P}\pm\text{C}-\text{PsPrPsC}\dot{\text{I}}\text{C,CrP}\dot{\text{I}}\text{PSC}-\text{C}\dot{\text{I}}\text{C,C}\tilde{\text{H}}$ $\text{PsP}\gg\text{P}^{\circ}\text{PSP}\cdot\text{P}^{\circ}\text{P}\dot{\text{I}}\text{C}-\text{PSCr}$ $\text{P}\dot{\text{I}}\text{C}\tilde{\text{H}}\text{P}\ddot{\text{P}}$ $\text{P}\dot{\text{I}}\text{P}_{\mu}\text{C}\tilde{\text{H}}\text{PsC}\tilde{\text{H}}\text{P}^{\circ}\text{P}\gg\text{C}\tilde{\text{H}}\text{PSPsPjCr}$
 $\text{P}\cdot\text{P}^{\circ}\text{C}\dot{\text{I}}\text{C,PSCrCrP}\dot{\text{I}}\text{P}^{\circ}\text{PSPSC}-$ $\text{P}\dot{\text{I}}\text{PsC}\tilde{\text{H}}\text{C}-\text{P}\dot{\text{I}}\text{PSC}\dot{\text{I}}\text{PSPs}$ $\text{C}-\text{P}\cdot$ $\text{P}\dot{\text{I}}\text{PSCrC,C}\tilde{\text{H}}\text{C}-\text{C}\epsilon\text{PSC}\tilde{\text{H}}\text{PsP}\dot{\text{I}}\text{P}_{\mu}\text{PSPSP}\ddot{\text{P}}\text{j}$
 PSP_{μ} $\text{P}\dot{\text{I}}\text{C}\dot{\text{I}}\text{C,P}^{\circ}\text{PSPsP}\dot{\text{I}}\text{P}\gg\text{P}_{\mu}\text{PSP}^{\circ}$.

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^ΠP°C... PIC-Pr 7 PSPI/PjP» PrPs 1000 PSPI/PjP».
PhP»P°PSP·P°PiC-PS P·PiBTM CΠP·CfC''C,CHC₇CΠ PiPμC₇PμPIP°P^ΠPSPs P·
P°P»CHP±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,CHC₇CΠ Cr PiPμC+C-PSC+C- CëP»CΠC...PsPj
PePsPSbTM C₇PiP°C+C— C- PsPePëC₇PSPμPSPSCΠ. PhC₇PSPsPIPSPëPj
PjPμC,P°P±PsP»C-C,PsPj, C%Ps C+PëC₇PeCfP»C₇C'', C'' 10-N-PiP»C₇PeCfC₇PsPSC-Pr,
CΠPePëPN₆ PSPμ PiC₇PsC...PsPrPëC,CH PeC₇C-P·CH PiPμPjP°C,PsPμPSC+PμC,,P°P»C-C+PSPëPN₆
P±P°C₇bTM C''C₇. PiPëC,PsC...C₇PsPjPë P450-CYP1A2 C- P450-CYP2D6 C₇PiC₇PëCΠC₇C,CH
C,,PsC₇PjCfPIP°PSPSC₇ PjPμC,P°P±PsP»C-C,C-PI N-PrPμP·PjPμC,PëP»Cf C- 2-
PiC-PrC₇PsPeC₇PëPjPμC,PëP»Cf, CΠPeC- PiC₇PsCΠIP»CΠP»Pë P·PSP°C+PSPs PjPμPSCëCf
C,,P°C₇PjP°PePsP»PsPiC-C+PSCr P°PeC,PëPIPSC-C₇C,CH *in vivo*, PSC-P^Π PsP»P°PSP·P°PiC-PS,
Cf C...PsPrC- PrPsC₇P»C-PrP^ΠPμPSCb PSP° C,PIP°C₇PëPSP°C.... PhC₇PSPsPIPSP°
C,,P°C₇PjP°PePsP»PsPiC-C+PSP° P°PeC,PëPIPSC-C₇C,CH P·CfPjPsPIP»PμPSP°
PiPμC₇PIPëPSPSPëPj PsP»P°PSP·P°PiC-PSPsPj.

P'PëPIPμPrPμPSPSCΠ.

PμC-C₇P»CΠ PiPμC₇PsC₇P°P»CHbPSPsPiPs P·P°C₇C,PsC₇CfPIP°PSPSCΠ C₇PμC₇PμPrPSC-PN₆
PiPμC₇C-PsPr PSP°PiC-PIIPëPIPμPrPμPSPSCΠ PsP»P°PSP·P°PiC-PSCr Cr
PrPsP±C₇PsPIPsP»CHC+C-PI PePsP»PëPIP°PIC₇CΠ P·P°P»PμP^ΠPSPs PIC-Pr PIC-PeCf C,P°
C₇C,P°C,C-.

Pj P·PrPsC₇PsPIPëC... PrPsP±C₇PsPIPsP»CHC+C-PI P»C-C,PSCHbPsPiPs PIC-PeCf (PIC-Pr 65
C₇PsPeC-PI) PiPsC₇C-PIPSCΠPSPs P· PjPsP»PsPrCëPëPjPë P·P° PIC-PePsPj
PrPsP±C₇PsPIPsP»CHC+CΠPjPë C₇PμC₇PμPrPSC-PN₆ PiPμC₇C-PsPr
PSP°PiC-PIIPëPIPμPrPμPSPSCΠ P±CfPI C,C₇PëPIP°P»C-CëPëPN₆ (51,8 PiC₇PsC,Pë 33,8
PiPsPrPëPSPë), PeP»C-C₇PμPSC₇ Cr PiP»P°P·PjC- P±CfPI P·PSPëP^ΠPμPSPëPN₆ (17,5 PiC₇PsC,Pë
18,2 P»/PiPsPr). PαP°C₇PjP°PePsPeC-PSPμC,PëC+PSC- PePsP»PëPIP°PSPSCΠ, C%Ps
C₇PiPsC₇C,PμC₇C-PiP°P»PëC₇CΠ Cr PrPsP±C₇PsPIPsP»CHC+C-PI P»C-C,PSCHbPsPiPs
PIC-PeCf, P·PSP°C...PsPrCΠC,CHC₇CΠ Cr PjPμP^ΠP°C... PrC-P°PiP°P·PsPSCr PjPsP»PsPrCëPëC...
PrPsP±C₇PsPIPsP»CHC+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±Cf PSPμ P±CfP»Ps
PiPsPiBTM CΠP·P°PSPs P· P^ΠPsPrPSPëPj C...P°C₇P°PeC,PμC₇PSPëPj PiC₇PsC,,C-P»PμPj
PSPμP±P°P^ΠP°PSPëC... CΠIPëC%.

Pj P^ΠC-PSPsPe PiPsC₇C-PIPSCΠPSPs P· C+PsP»PsPIC-PeP°PjPë C₇PμC₇PμPrPSC-PN₆
PiPμC₇C-PsPr PSP°PiC-PIIPëPIPμPrPμPSPSCΠ P±CfPI C,C₇PëPIP°P»C-CëPëPN₆ (36,7
PiC₇PsC,Pë 32,3 PiPsPrPëPSPë), P° PeP»C-C₇PμPSC₇ Cr PiP»P°P·PjC- P±CfPI
P·PSPëP^ΠPμPSPëPN₆ (18,9 PiC₇PsC,Pë 27,3 P»/PiPsPr). PhPrPSP°Pe PiC₇PsC,,C-P»CH
P±PμP·PiPμPePë PsP»P°PSP·P°PiC-PSCr (5b₇"20 PjPi) P±CfPI PiPsC₇C-PIPSCΠPSPSPëPN₆ Cr
P^ΠC-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-PIPSC₇IPSPs P·C- P·PrPsC₇PsPIPēPjPē
PrPsP±C₇PsIPsP»CHC†C₇PjPē PSP_μ P±C₇P»Ps C-C₇C, PsC, PSPsC— C₇C-P·PSPēC†C- Cr
PīPsPeP°P·PSPēPeP°C... C₇P_μC₇P_μPrPSC₇HPsPiPs PīP_μC₇C-PsPrCr
PSP°PīC-PIPIPēPIP_μPrP_μPSPSC₇ (37,7 PīC₇PsC, Pē 32,4 PiPsPrPēPSPē) P°P±Ps
PeP»C-C₇P_μPSC₇C₇ Cr PīP»P°P·PjC- PeC₇PsPIC- (21,2 PīC₇PsC, Pē 25,0 P»/PiPsPr).
P°PSC₇P»C-PrP_μIPSPSC₇ PīPsPeP°P·P°P»Pē, C%Ps PīC₇PēP±P»PēP·PSPs 57 %
PsP»P°PSP·P°PīC-PSCr P· C₇P°PrC-PsP°PeC, PēPIPS₇C₇ PjC-C, PePsC₇ PīC₇PēC₇C₇C, PSC- PI
C₇P_μC†C-, PiPsP»PsPIPSPēPj C†PēPSPsPj Cr PIPēPiP»C₇IPrC- PjP_μC, P°P±PsP»C-C, C-PI.

P_μPsC₇CrCēP_μPSPSC₇ C,,CrPSPeC†C-C— PīP_μC†C-PSPePē.

P_μPIP_μP»PēPeP_μ PrPsC₇P»C-PrP_μIPSPSC₇ PIPiP»PēPICr PīPsC₇CrCēP_μPSPSC₇
C,,CrPSPeC†C-C— PīP_μC†C-PSPePē Cr 6 C₇C₇P±B₇TM C°PeC, C-PI C-P· PeP»C-PSC-C†PSPs
P·PSP°C†C₇C%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 P₇P°P_μ»PrP° B₇ P_μB₇TM C₇) PIPēC₇IPIPēP»Ps
PSP_μP·PSP°C†PSPēP_μ PIPiP»PēPI PSP° C,,P°C₇PjP°PePsPeC-PSP_μC, PēPeC₇
PīP_μC₇PsC₇P°P»CHPSPsPiPs PsP»P°PSP·P°PīC-PSCr (C₇P°P·PsPIP° PrPsP·P° 2,5B₇“7,5 PjPi):
C₇C₇P±B₇TM C°PeC, Pē P· P»P_μPiPePsC₇ C, P° PīPsPjC-C₇PSPsC₇ PrPēC₇C,,CrPSPeC†C-C°C₇
PīP_μC†C-PSPePē PjP°P»Pē PrP_μC%Ps PīC-PrPIPēC%P_μPSPēP_μ C₇PēC₇C, P_μPjPSPēP_μ
PeP»C-C₇P_μPSC₇ C- CēPIPēPrCēPēP_μ PīP_μC₇C-PsPr PSP°PīC-PIPIPēPIP_μPrP_μPSPSC₇
PīPsC₇C-PIPSC₇IPSPs P· C₇C₇P±B₇TM C°PeC, P°PjPē P±P_μP· PīP_μC†C-PSPePsIPsC—
PrPēC₇C,,CrPSPeC†C-C— (n = 3). P₇P_μC₇P_μPr C₇C₇P±B₇TM C°PeC, C-PI C-P· C†PēC₇PsP·PsPj
P±C₇P»Ps P±C-P»CHCēP_μ PeC₇C₇C†C-PI (4/6; 67 %), PSC-P_μ C₇P_μC₇P_μPr
C₇C₇P±B₇TM C°PeC, C-PI P±P_μP· PīPsC₇CrCēP_μPSPSC₇ C,,CrPSPeC†C-C— PīP_μC†C-PSPePē (0/3; 0
%).

P_μP°C†C-C°PSC, Pē, C₇IPeC- PīP°P»C₇C, CH.

Pj PSP_μPeC₇C†C-PI PīPsC₇C-PIPSC₇IPSPs P· PeC₇C₇C†C₇PjPē (C†PsP»PsPIC-PePē C, P°
P_μC-PSPePē) C₇P_μC₇P_μPrPSC-P_μ PīP_μC₇C-PsPr PSP°PīC-PIPIPēPIP_μPrP_μPSPSC₇ P±C₇PI
C, C₇PēPIP°P»C-CēPēP_μ (38,6 PīC₇PsC, Pē 30,4 PiPsPrPēPSPē), P° PeP»C-C₇P_μPSC₇ Cr
PīP»P°P·PjC- P±C₇PI P·PSPēP_μIPSPēP_μ (18,6 PīC₇PsC, Pē 27,7 P»/PiPsPr).

P_μP»C-C₇P_μPSC₇ PsP»P°PSP·P°PīC-PSCr Cr PīP»P°P·PjC- PSPēP_μC†PēP_μ Cr
PīP°C†C-C°PSC, C-PI P»C-C, PSC₇HPsPiPs PIC-PeC₇ PīPsC₇C-PIPSC₇IPSPs P· PjPsP»PsPrPēPjPē, Cr
P_μC-PSPsPe PīPsC₇C-PIPSC₇IPSPs P· C†PsP»PsPIC-PeP°PjPē C, P° Cr PSP_μPeC₇C†C-PI
PīPsC₇C-PIPSC₇IPSPs P· PeC₇C₇C†C₇PjPē. P† PIC₇P_μ P_μ C, P°PeC- C,,P°PeC, PsC₇Pē, C₇IPe
PIC-Pe, C₇C, P°C, CH C, P° PīP°P»C-PSPSC₇, PjP°P»Ps PjPsP_μC₇C, CH PIPiP»PēPIP°C, Pē PSP°
PeP»C-C₇P_μPSC₇ PsP»P°PSP·P°PīC-PSCr Cr PīP»P°P·PjC- PeC₇PsPIC- C, P° PīP_μC₇C-PsPr
PSP°PīC-PIPIPēPIP_μPrP_μPSPSC₇ PīPsC₇C-PIPSC₇IPSPs C-P· PIC-PrPjC-PSPSC-C₇C, C₇ C†PēC...
PīPsPeP°P·PSPēPeC-PI Cr C₇C-P·PSPēC... PsC₇C-P±.

Pj C...PsPrC- PrPsC₇P»C-PrP_μIPSPSC₇ P· CrC†P°C₇C, C₇ PīP°C†C-C°PSC, C-PI
C₇IPiPsPSC₇CHPePsC— C, P° PePēC, P°P_μC₇CHPePsC— PSP°C†C-PsPSP°P»CHPSPsC₇C, P_μP_μ
PIC-PrPjC-PSPSPsC₇C, P_μP_μ Cr C,,P°C₇PjP°PePsPeC-PSP_μC, PēC†C- PsP»P°PSP·P°PīC-PSCr
PjC-P_μ C, C₇CHPsPjP° PīPsPīC₇P»C₇C†C-C₇PjPē PSP_μ PIPēC₇IPIP»P_μPSPs.

P°C-C, Pē.

P_μC-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,Cḡ PSPëP¶C±Cř CḡPµCḡPµPrPSCḡ PjP°CḡCř C,C-P»P° C,P° PjPµPSCëCř PeC-P»CḡPeC-CḡC,Cḡ 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,Cḡ 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,Cḡ

PhP·PSP°PePë PīPµCḡPsCḡP°P»CḡPSPsC— 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,Cḡ, 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»CḡPSC- 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»CḡPSC- PrPsP·Pë PrPs 100 PjPi/PePi P±PµP· P»PµC,P°P»CḡPSPëC... 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»CḡPSC- PrPsP·Pë PrPs 100 PjPi/PePi PīCḡPëP·PIPsPrPëP»Pë PrPs PīCḡPsCḡC,CḡP°C†C-C—, P° P±C-P»CḡCë PIPëCḡPsPeC- PrPsP·Pë Bḡ” PrPs PSP°PīC-PIPSPµPīCḡPëC,PsPjPSPsPiPs CḡC,P°PSCř.

PŷPsPeCḡPëC±PSC-CḡC,Cḡ 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»CḡPSPsC— PSPµCḡPIPsPiPsC— CḡPëCḡC,PµPjPë (PīPḡPŷ), 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 PīPḡPŷ. 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»CḡPSPsPiPs 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,Cḡ

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±C†P»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±C†PI 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±C†P»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— C₇ P_iP°C₇C—C°PSC, C—PI, C₇ C₇IPeP_eC...
C₇P_iPsC₇C, P_μC₇H₆—P_iP°P»P°C₇C₇ PIC—PrP_iPsPIC—PrCH₆ PSP° P_iPsC₇P°C, PePsPIC₇
C, P_μC₇H₆P°P_iC—C₇.

PhP»P°PSP·P°P_iC—PS P_iPsPeP°P·P°PSP_ePN_e PrP»C₇ P»C—PeC₇PIP°PSPSC₇
P_jP°PSC—P°PeP°P»CH₆PSP_eC... P_μP_iC—P·PsPrC—PI P_iPsP_jC—C₇PSPsP_iPs C, P° C, C₇IP₇PePsP_iPs
C₇C, C₇P_iP_μPSC₇.

PhP»P°PSP·P°P_iC—PS P_iPsPeP°P·P°PSP_ePN_e PrP»C₇ P_iC₇PsC,, C—P»P°PeC, P_ePeP_e
P_iPsPIC, PsC₇PSP_eC... PSP°P_iP°PrC—PI C₇ P_iP°C₇C—C°PSC, C—PI P· P±C—P_iPsP»C₇C₇PSP_eP_jP_e
C₇PsP·P»P°PrP°P_jP_e, C₇ C₇IPeP_eC... P±C₇P»Ps PsC, C₇H₆P_jP°PSPs P_iPsP·P_eC, P_ePIPSC₇
PIC—PrP_iPsPIC—PrCH₆ P_iC₇H₆ P»C—PeC₇PIP°PSPSC— PsP»P°PSP·P°P_iC—PSPsP_j P_jP°PSC—C—.

P_μC₇H₆PsC, P_eP_iPsPeP°P·P°PSPSC₇.

P_μC—PrPIP_eC%P_μPSP° C₇C₇C, P»P_ePIC—C₇C, CH₆ PrPs PrC—C₇C₇PsC— C₇P_μC₇PsPIP_ePSP_e P°P±Ps
PrPs PrPsP_iPsP_jC—P₇PSP_eC... PePsP_jP_iPsPSP_μPSC, C—PI P»C—PeP°C₇C₇CH₆PePsP_iPs P·P°C₇PsP±C₇;
PIC—PrPsP_jP_ePN_e C₇H₆P_e·P_ePe P·P°PeC₇H₆C, PsPeC₇C, PsPIP₇C— P_iP»P°C₇PePsP_jP_e.

P·P·P°C°P_jPsPrC—C₇ P· C—PSC₇PeP_jP_e P»C—PeP°C₇C₇CH₆PeP_eP_jP_e P·P°C₇PsP±P°P_jP_e C, P° C—PSC₇C— PIP_ePrP_e PIP·P°C°P_jPsPrC—PN_e.

P°P_iC₇P»C—PrP₇P_μPSPSC₇ PIP·P°C°P_jPsPrC—C— P· C—PSC₇PeP_jP_e P»C—PeP°C₇C₇CH₆PeP_eP_jP_e
P·P°C₇PsP±P°P_jP_e P_iC₇PsPIP₇PrP_eP»P_e C, C—P»CH₆PeP_e P· C₇C₇P°C₇C, CH₆ PrPsC₇PsC₇P»P_eC....

P P_μC₇PsPIP_ePSP_e, C%Ps P_iPsC, P_μPSC₇C—PN_ePSPs PIP_iP»P_ePIP°C₇C, CH₆ PSP°
PsP»P°PSP·P°P_iC—PS.

PhC₇PeC—P»CH₆PeP_e PsP»P°PSP·P°P_iC—PS P_jP_μC, P°P±PsP»C—P·C₇C°C, CH₆C₇C₇
C—P·PsC,, P_μC₇H₆P_jP_μPSC, PsP_j CYP1A2, C₇P_μC₇PsPIP_ePSP_e, C₇IPeC— C₇P_iP_μC₇P_eC,, C—C₇PSPs
C—PSP₇C₇PeC₇C, CH₆C₇C₇ P°P±Ps C—PSP_iC—P±C₇C₇C, CH₆C₇C₇ C₇P_eP_j
C—P·PsC,, P_μC₇H₆P_jP_μPSC, PsP_j, P_jPsP₇C₇C, CH₆ PIP_iP»P_ePIP°C, P_e PSP°
C,, P°C₇H₆P_jP°PePsPeC—PSP_μC, P_ePeC₇ PsP»P°PSP·P°P_iC—PSC₇.

P₇PSP₇C₇PeC, PsC₇H₆ CYP1A2.

PhP_μC, P°P±PsP»C—P·P_j PsP»P°PSP·P°P_iC—PSC₇ P_jPsP₇P_μ P±C₇C, P_e C—PSP₇C₇PePsPIP°PSP_ePN_e
P_iP°P»C—PSPSC₇P_j C, P° P·P°C₇C, PsC₇C₇PIP°PSPSC₇P_j PeP°C₇H₆P±P°P_jP°P·P_μP_iC—PSC₇,
C₇IPeP_ePN_e P_iC₇H₆P_e·PIP₇PrP_eC, CH₆ PrPs P·PSP_eP₇P_μPSPSC₇ PePsPSC₇P_μPSC, C₇H₆P°C₇C—
PsP»P°PSP·P°P_iC—PSC₇. P₇P_iPsC₇C, P_μC₇H₆—P_iP°P»PsC₇C₇ C₇P»P°P±PeP_μ P°P±Ps
P_iPsP_jC—C₇PSP_μ P_iC—PrPIP_eC%P_μPSPSC₇ PeP»C—C₇P_μPSC₇C₇ PsP»P°PSP·P°P_iC—PSC₇.
P₇P»C—PSC—C₇PSC— PIP_eC₇PSPsPIP_ePeP_e PsP±P_jP_μP₇P_μPSC—, P°P»P_μ
C₇P_μPePsP_jP_μPSP₇C₇C, CH₆C₇C₇ PeP»C—PSC—C₇PSP_ePN_e P_jPsPSC—C, PsC₇H₆P_ePSP_i C, P°,
C₇IPeC%Ps PSP_μPsP±C...C—PrPSPs, P·P±C—P»CH₆C₇P_μPSPSC₇ PrPsP·P_e PsP»P°PSP·P°P_iC—PSC₇
(PrP_ePI. C₇PsP·PrC—P» B«P₇P_iPsC₇C—P± P·P°C₇C, PsC₇C₇PIP°PSPSC₇ C, P° PrPsP·P_e).

P₇PSP_iC—P±C—C, PsC₇H₆ CYP1A2.

P₇P»C₇PsPeC₇P°P_jC—PS, C₇P_iP_μC₇P_eC,, C—C₇PSP_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,CrPīPSPsClC,C-.

PĥPeC,PëPIPsPiP°PSPµ PICrPiC-P»P»Cl P·PSPëP¶ClPīP°P»Ps PīPµCĤPsCĤP°P»CHPSCř
P±C-PsPrPsClC,CrPīPSC-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,Cr
Cr PīP»P°P·PjC- PeCĤPsPIC- PSPµ PīPëClPiPëPI PSPµPsP±C...C-PrPSPsClC,C-
PePsCĤPµPeC†C-C— PrPsP·Pë PIP°P»CHPīCĤPsP°C,Cr 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
(PiPκPŸ).

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-PSCž 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-PSCž. 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†CžPIP°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. PμCḡPsC,ЦIPIPsPj C†CHPsPiPs PiPμCḡC-PsPrCr PSPμPsP±C...C-PrPSPёPN₀
CḡPμC,PμP»CHPSPёPN₀ PjPsPSC-C,PсCḡPePSPi PiP°C†C-C”PSC,C-PI.

*PμCḡPeC...PsP·, PiPsPIбḡ™ CЦP·P°PSPёPN₀ P· PrPμPjPμPSC†C-C”Cḡ C,P°/P°P±Ps
CḡPsP·P»P°PrP°PjPё PiPsPIPμPrC-PSPePё.*

PḡP»P°PSP·P°PiC-PS PSPμ PiCḡPeP·PSP°C†PμPSPёPN₀ PrP»CЦ P»C-PeCrPIP°PSPSCЦ
PiCḡPeC...PsP·C-PI, PiPsPIбḡ™ CЦP·P°PSPёC... P· PrPμPjPμPSC†C-C”Cḡ C,P°/P°P±Ps
PiPsCḡCrCεPμPSPSCЦPj PiPsPIPμPrC-PSPePё, P° C,P°PePsP¶ PSPμ
CḡPμPePsPjPμPSPPrCrC”C,CHCḡCЦ PrP»CЦ P·P°CḡC,PсCḡCrPIP°PSPSCЦ PrP°PSPёPj
PiP°C†C-C”PSC,P°Pj Cr P·PIбḡ™ CЦP·PeCr P· PiC-PrPIPёC%₀PμPSPSCЦPj
P»PμC,P°P»CHPSPсCḡC,C- C,P° CḡPeP·PёPeCr C†PμCḡPμP±CḡPsPIP°CḡPeCrP»CЦCḡPSPёC...
PIPёPiP°PrPeC-PI. Pj C...PsPrC- PiP»P°C†PμP±Ps-PePsPSC,CḡPsP»CHPsPIP°PSPёC...
PeP»C-PSC-C†PSPёC... PrPsCḡP»C-PrP¶PμPSCH (C,CḡPePIP°P»C-CḡC,Cḡ 6 бḡ“ 12
C,PeP¶PSC-PI) P· CrC†P°CḡC,Cḡ PiP°C†C-C”PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCr
(CḡPμCḡPμPrPSC-PN₀ PIC-Pe 78 CḡPsPeC-PI), CЦPeC- CḡC,CḡP°P¶PrP°CḡC,CH PSP°
PiCḡPeC...PsP·Pё, PiPsPIбḡ™ CЦP·P°PSC- P· PrPμPjPμPSC†C-C”Cḡ C,P°/P°P±Ps
PiPsCḡCrCεPμPSPSCЦPj PiPsPIPμPrC-PSPePё, PeC-P»CHPeC-CḡC,CH P»PμC,P°P»CHPSPёC...
PIPёPiP°PrPeC-PI P±CrP»P° Cr 2 CḡP°P·Pё PIPёC%₀P° Cr PiP°C†C-C”PSC,C-PI, CЦPeC-
PiCḡPePN₀PjP°P»Pё PsP»P°PSP·P°PiC-PS, PiPsCḡC-PIPSЦIPSPs P· PiP»P°C†PμP±Ps (3,5 %
PiCḡPsC,Пё 1,5 % PIC-PrPiPsPIC-PrPSPs). P’PёCḡPsPeP° P»PμC,P°P»CHPSC-CḡC,CH PSPμ
P±CrP»P° PiPsPIбḡ™ CЦP·P°PSP° P· PIPμP»PёC†PёPSPсCḡ P·P°CḡC,PсCḡPsPICḡPIP°PSPёC...
PrPsP· PsP»P°PSP·P°PiC-PSCḡ (CḡPμCḡPμPrPSCЦ PrPsP±PsPIP° PrPsP·P° CḡC,P°PSPsPIPёC,CH
4,4 PjPi) P°P±Ps P· C,CḡPePIP°P»C-CḡC,Cḡ P»C-PeCrPIP°PSPSCЦ. PḡP°PeC,PсCḡPe
CḡPeP·PёPeCr PiC-PrPIPёC%₀PμPSPSCЦ P»PμC,P°P»CHPSPсCḡC,C- PIPeP»CḡC†P°CḡC,CH
PIC-Pe PIC-Pr 65 CḡPsPeC-PI, PrPёCḡC,,P°PiC-Cḡ, P·P°CḡPiPsPePsC”PSPSCЦ,
PSPμPrPsC—PrP°PSPSCЦ C,P° P·PSPμPIPsPrPSPμPSPSCЦ, P»PμPiPμPSPμPIC- CḡC,P°PSPё
(PiPSPμPIPjPsPSC-CЦ, P· P°CḡPiC-CḡP°C†C-C”Cḡ P°P±Ps P±PμP·), CḡCrPiCrC,PSC”
P·P°CḡC,PсCḡCrPIP°PSPSCЦ P±PμPSP·PsPrC-P°P·PμPiC-PSC-PI. PμCḡPsC,Pμ
P»PμC,P°P»CHPSC-CḡC,CH P±CrP»P° PIPёC%₀PsCḡ PiCḡPe C,PμCḡP°PiC-C—
PsP»P°PSP·P°PiC-PSPsPj, PSC-P¶ PiCḡPe PiCḡPePN₀PsPjC- PiP»P°C†PμP±Ps,
PSPμP·P°P»PμP¶PSPs PIC-Pr C,,P°PeC,PсCḡC-PI CḡPeP·PёPeCr.

Pj C...PsPrC- PeP»C-PSC-C†PSPёC... PrPsCḡP»C-PrP¶PμPSCH CḡPiPsCḡC,PμCḡC-PiP°P»PёCḡCЦ
PIPёPiP°PrPePё C†PμCḡPμP±CḡPsPIP°CḡPeCrP»CЦCḡPSPёC... PiPsP±C-C†PSPёC...
CḡPμP°PeC†C-PN₀ (C-PSCḡCrP»CHC,, C,CḡP°PSP·PёC,PсCḡPSPёPN₀ C-CεPμPjC-C†PSPёPN₀
C-PSCḡCrP»CHC,), Cr C,PsPjCr C†PёCḡP»C- P· P»PμC,P°P»CHPSPёPj PSP°CḡP»C-PrPePsPj.
PḡC-P»CHPeC-CḡC,CH C†PμCḡPμP±CḡPsPIP°CḡPeCrP»CЦCḡPSPёC... PiPsP±C-C†PSPёC...
CḡPμP°PeC†C-PN₀ P±CrP»P° Cr 3 CḡP°P·Pё PIPёC%₀P° Cr PiP°C†C-C”PSC,C-PI, CЦPeC-
PiCḡPePN₀PjP°P»Pё PsP»P°PSP·P°PiC-PS, PiPsCḡC-PIPSЦIPSPs P· PiP»P°C†PμP±Ps (1,3 %
PiCḡPsC,Пё 0,4 %). PjCḡC- PiP°C†C-C”PSC,Пё, CЦPeC- PiCḡPePN₀PjP°P»Pё PsP»P°PSP·P°PiC-PS
P°P±Ps PiP»P°C†PμP±Ps C- Cr CЦPePёC... CḡPiPsCḡC,PμCḡC-PiP°P»PёCḡCЦ
C†PμCḡPμP±CḡPsPIP°CḡPeCrP»CЦCḡPSC- PiPsP±C-C†PSC- CḡPμP°PeC†C-C—, PjP°P»Pё
C,,P°PeC,PсCḡPe CḡPeP·PёPeCr. P’C-Pe PIC-Pr 75 CḡPsPeC-PI C,P°
CḡCrPrPёPSPSPёPN₀/P·PjC-CεP°PSPёPN₀ C,PePi PrPμPjPμPSC†C-C— P±CrP»Pё
C-PrPμPSC,ПёC,,C-PePsPIP°PSC- CЦPe C,,P°PeC,PсCḡPe CḡPeP·PёPeCr
C†PμCḡPμP±CḡPsPIP°CḡPeCrP»CЦCḡPSPёC... PiPsP±C-C†PSPёC... CḡPμP°PeC†C-PN₀ PiCḡPe
C,PμCḡP°PiC-C— PsP»P°PSP·P°PiC-PSPsPj. P·C,,PμPeC,PePIPSC-CḡC,CH PsP»P°PSP·P°PiC-PSCḡ
PSPμ P±CrP»P° PICḡC,P°PSPsPIP»PμPSP° Cr C...PsPrC- PrP°PSPёC... PrPsCḡP»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-CḡPSPëPNë PjPsPSC-C,PsCḡPëPSPi PiP°CḡC-C”PSC,C-PI P· CḡCfPeCḡPsPIPëPj
PrC-P°P±PμC,PsPj C,P° PiP°CḡC-C”PSC,C-PI P· C,,P°PeC,PsCḡP°PjPë CḡPëP·PëPeCf
CḡPsP·PIPëC,PeCf CḡCfPeCḡPsPIPsPiPs PrC-P°P±PμC,Cf, P·PsPeCḡPμPjP°
PIPëPjC-CḡCḡPIP°C,Pë CḡC-PIPμPSCḡ PiP»CḡPePsP·Pë PI PeCḡPsPIC- PSP° PiPsCḡP°C,PeCf
P»C-PeCfPIP°PSPSCḡ, CḡPμCḡPμP· 12 C,PëPḡPSC-PI, P° C,P°PePsPḡ C°PsCḡC-CḡPSPs
PSP°PrP°P»C-. PμP°CḡC-C”PSC,Pë, CḡPeC- PsC,CḡPëPjCfCḡC,ḡ P»C-PeCfPIP°PSPSCḡ
P°PSC,PëPiCḡPëC...PsC,PëCḡPSPëPjPë P·P°CḡPsP±P°PjPë, PIPeP»CḡCḡP°CḡCḡPë
PsP»P°PSP·P°PiC-PS, PiPsPIPëPSPSC- P±CfC,Pë PiC-Pr PSP°PiP»CḡPrPsPj CfC,PsCḡPsPIPSPs
PiCḡPsCḡPIC-PI PiC-PiPμCḡPiP»C-PePμPjC-C— (C,P°PePëC... CḡPe PiPsP»C-PrPëPiCḡC-Cḡ,
PiPsP»C-CḡCḡC-Cḡ, PiPsP»C-C,,P°PiC-Cḡ C,P° CḡP»P°P±PeC-CḡC,ḡ). PμP°CḡC-C”PSC,C-PI P·
CḡCfPeCḡPsPIPëPj PrC-P°P±PμC,PsPj C,P° PiP°CḡC-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°CḡCf C,C-P»P°, PSP°PiCḡPëPeP»P°Pr PSP° PiPsCḡP°C,PeCf
P»C-PeCfPIP°PSPSCḡ, CḡPμCḡPμP· 4 C,PëPḡPSC-, CḡPμCḡPμP· 8 C,PëPḡPSC-PI C,P° CḡPμCḡPμP·
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-CḡPSP° P°PeC,PëPIPSC-CḡC,ḡ. PJ C...PsPrC-
PeP»C-PSC-CḡPSPëC... PrPsCḡP»C-PrPḡPμPSCḡ PIPëCḡPIP»PμPSPs PSPëP·ḡPeCf
CḡP°CḡC,PsC,Cf CḡPsP·PIPëC,PeCf P°PSC,PëC...PsP»C-PSPμCḡPiC-CḡPSPëC...
CḡPIPëC°. PhPrPSP°Pe CḡPμCḡPμP· PsP±PjPμPḡPμPSPSCḡ PeP»C-PSC-CḡPSPsPiPs
PrPsCḡPIC-PrCf C°PsPrPs P·P°CḡC,PsCḡCfPIP°PSPSCḡ PsP»P°PSP·P°PiC-PSCf
PiP°CḡC-C”PSC,P°Pj C-P· CḡCfPiCfC,PSC-PjPë P·P°C...PIPsCḡCḡPIP°PSPSCḡPjPë
CḡP»C-Pr P±CfC,Pë PsP±PμCḡPμPḡPSPëPjPë PiCḡPë PiCḡPëP·PSP°CḡPμPSPSC-
PiCḡPμPiP°CḡP°C,Cf PiP°CḡC-C”PSC,P°Pj C-P· PiC-PiPμCḡC,CḡPsC,,C-C”Cḡ
PiCḡPsCḡC,P°C,Pë, PiP°CḡP°P»C-C,PëCḡPSPsCḡ PePëCḡPePsPIPsCḡ
PSPμPiCḡPsC...C-PrPSC-CḡC,Cḡ P°P±Ps PiPsPrC-P±PSPëPjPë CfC,P°PSP°PjPë.

PμPsPeP°P·PSPëPePë PiPμCḡC-PSPePsPIPsC— C,,CḡPSPeCḡC-C—. PμCḡPë
P·P°CḡC,PsCḡCfPIP°PSPSC- PsP»P°PSP·P°PiC-PSCf CḡP°CḡC,Ps
CḡPiPsCḡC,PμCḡC-PiP°P»PsCḡCḡ C,CḡP°PSP·PëC,PsCḡPSPμ
P°CḡPëPjPiC,PsPjP°C,PëCḡPSPμ PiC-PrPIPëC°PμPSPSCḡ CḡC-PIPSCḡ
PiPμCḡC-PSPePsPIPëC... C,CḡP°PSCḡP°PjC-PSP°P·
P°P»P°PSC-PSP°PjC-PSPsC,CḡP°PSCḡC,,PμCḡP°P·Pë (PḡP»PḡPḡ) C,P°
P°CḡPiP°CḡC,P°C,P°PjC-PSPsC,CḡP°PSCḡC,,PμCḡP°P·Pë (PḡCḡPḡPḡ), PsCḡPsP±P»PëPIPs
PSP° PiPsCḡP°C,PeCf P»C-PeCfPIP°PSPSCḡ. PμP°CḡC-C”PSC,P°Pj C-P·
PiC-PrPIPëC°PμPSPëPj CḡC-PIPSPμPj PḡP»PḡPḡ C,P°/CḡPë PḡCḡPḡPḡ, PsP·PSP°PeP°PjPë
C,P° CḡPëPjPiC,PsPjP°PjPë PiPsCḡCfCḡPμPSPSCḡ PrC-CḡP»CḡPSPsCḡC,C-
PiPμCḡC-PSPePë, CfC,P°PSP°PjPë, PiPsPIBḡ™ CḡP·P°PSPëPjPë P· PiPμCḡC-PSPePsPIPsCḡ
PSPμPrPsCḡC,P°C,PSC-CḡC,Cḡ, P° C,P°PePsPḡ PiP°CḡC-C”PSC,P°Pj, CḡPeC-
PiCḡPëPNëPjP°CḡC,ḡ PiPsC,PμPSCḡC-PNëPSPs PiPμPiP°C,PsC,PsPeCḡPëCḡPSC-
PiCḡPμPiP°CḡP°C,Pë, PsP»P°PSP·P°PiC-PS CḡP»C-Pr PiCḡPëP·PSP°CḡP°C,Pë P·
PsP±PμCḡPμPḡPSC-CḡC,Cḡ. PμCḡPë PIPëCḡPIP»PμPSPSC- PiPμPiP°C,PëC,Cf
(PIPeP»CḡCḡP°CḡCḡPë PiPμPiP°C,PsCḡPμP»CḡP»CḡCḡPSPμ,
C...PsP»PμCḡC,P°C,PëCḡPSPμ CḡPë P·PjC-CḡP°PSPμ CfCḡP°PḡPμPSPSCḡ

ΠῖΠμC‡C-PSPePë) PsP»P°PSP·P°PīC-PS PSPμPsP±C...C-PrPSPs PIC-PrPjC-PSPëC,Pë.

PkPμPNεC,CḡPsPīPμPSC-CḤ. PhP»P°PSP·P°PīC-PS PSPμPsP±C...C-PrPSPs
PīCḡPëP·PSP°C‡P°C,Pë P· PsP±PμCḡPμPḡPSC-CīC,Cḡ PīCḡPë PSPëP·CHPePsPjCḡ
CḡC-PIPSC- P»PμPNεPePsC‡PëC,C-PI C,P°/P°P±Ps PSPμPNεC,CḡPsC,,C-P»C-PI P·
P±CḡPrCH-CḤPePsC— PīCḡPëC‡PëPSPë PīP°C‡C-C”PSC,P°Pj, CḤPeC-
PsC,CḡPëPjCḡCḡC,CH P»C-PeCḡPIP°PSPSCḤ PīCḡPμPīP°CḡP°C,P°PjPë, C%oPs
PjPsPḡCḡC,CH CīPīCḡPëC‡PëPSPëC,Pë PSPμPNεC,CḡPsPīPμPSC-Cḡ,
PīP°C‡C-C”PSC,P°Pj, CḤPeC- PjP°CḡC,CH PI P°PSP°PjPSPμP·C-
PjPμPrPëPeP°PjPμPSC,PsP·PSPμ PīCḡPëPīPSC-C‡PμPSPSCḤ/C,PsPeCīPëC‡PSPμ
CḡCḡP°PḡPμPSPSCḤ PeC-CīC,PePsPIPsPiPs PjPsP·PeCḡ, PīP°C‡C-C”PSC,P°Pj C-P·B
PīCḡPëPīPSC-C‡PμPSPSCḤPj PeC-CīC,PePsPIPsPiPs PjPsP·PeCḡ,
CīPīCḡPëC‡PëPSPμPSPëPj CīCḡPīCḡC,PSC-PjPë P·P°C...PIPsCḡCḡPIP°PSPSCḤPjPë,
PsPīCḡPsPjC-PSPμPSPSCḤPj C‡Pë C...C-PjC-PsC,PμCḡP°PīC-C”Cḡ, C,P°B
PīP°C‡C-C”PSC,P°Pj C-P· PīC-PīPμCḡPμPsP·PëPSPsC,,C-P»C-C”Cḡ C,P°
PjC-C”P»PsPīCḡPsP»C-C,,PμCḡP°C,PëPIPSPëPj P·P°C...PIPsCḡCḡPIP°PSPSCḤPj.
PkPμPNεC,CḡPsPīPμPSC-CḤ C” C‡P°CīC,PëPj PīPsP±C-C‡PSPëPj PμC,,PμPeC,PsPj PīCḡPë
CīCḡPjC-CīPSPsPjCḡ P·P°CīC,PsCīCḡPIP°PSPSC- PIP°P»CHPīCḡPsP°C,Cḡ C,P°
PsP»P°PSP·P°PīC-PSCḡ.

PμCḡPëPīPëPSPμPSPSCḤ C,PμCḡP°PīC-C—. PμCḡPë CḡC-P·PePsPjCḡ
PīCḡPëPīPëPSPμPSPSC- C,PμCḡP°PīC-C— CḡC-PrPePs (≥ 0,01 % Bḡ” < 0,1 %)
PīPsPIC-PrPsPjP»CḤP»PsCīCḤ PīCḡPs PiPsCīC,CḡC- CīPëPjPīC,PsPjPë, P·PsPeCḡPμPjP°
PīCḡPs PSP°PrPjC-CḡPSPμ PīPsC,PsPIPëPrC-P»PμPSPSCḤ, P±PμP·CīPsPSPSCḤ,
C,CḡPμPjPsCḡ, CḡPsP·PrCḡP°C,PsPIP°PSC-CīC,CH, PSCḡPrPsC,Cḡ P°P±Ps
P±P»CḡPIP°PSPSCḤ.

QT-C-PSC,PμCḡPIP°P». Pj PeP»C-PSC-C‡PSPëC... PrPsCīP»C-PrPḡPμPSPSCḤC...
PIPëCḤPIP»PμPSPs PeP»C-PSC-C‡PSPs P·PSP°C‡CḡC%oPμ PīPsPrPsPIPḡPμPSPSCḤ
C-PSC,PμCḡPIP°P»Cḡ QTc Cḡ PīP°C‡C-C”PSC,C-PI, CḤPeC- PīCḡPëPNεPjP°P»Pë
PsP»P°PSP·P°PīC-PS (QTcF [P· PīPsPīCḡP°PIPePsCḡ P·P° C,,PsCḡPjCḡP»PsCḡ
PαCḡPëPrPμCḡPëPeP°] ≥ 500 PjC-P»C-CīPμPeCḡPSPḡ [PjCī] Cḡ P±CḡPrCH-CḤPePëPNε
C‡P°Cī PīC-CīP»CḤ PīPsC‡P°C,PeCḡ PrPsCīP»C-PrPḡPμPSPSCḤ PrP»CḤ
PīP°C‡C-C”PSC,C-PI C-P· QTcF < 500 PjCḡ PSP° PīPsC‡P°C,PeCḡ
PrPsCīP»C-PrPḡPμPSPSCḤ P±CḡPI PSPμC‡P°CīC,PëPj Bḡ” PIC-Pr 0,1 % PrPs < 1%).
PμPsCḡC-PIPSCḤPSPs P· PīP»P°C‡PμP±Ps PSPμ P±CḡP»Ps CīCḡC,C,C”PIPëC...
PIC-PrPjC-PSPSPsCīC,PμPNε Cḡ C‡P°CīC,PsC,C- PīPsP±C-C‡PSPëC... PμC,,PμPeC,C-PI P·
P±PsPeCḡ CīPμCḡC‡CḤ. PhPrPSP°Pe CīP»C-Pr P±CḡC,Pë PsP±PμCḡPμPḡPSPëPjPë PīCḡPë
PsPrPSPsC‡P°CīPSPsPjCḡ P·P°CīC,PsCīCḡPIP°PSPSC- PsP»P°PSP·P°PīC-PSCḡ P· C-PSCëPëPjPë
P»C-PeP°CḡCḡCHPePëPjPë P·P°CīPsP±P°PjPë, CḤPeC- PīPsPrPsPIPḡCḡCḡC,CH
C-PSC,PμCḡPIP°P» QTc, PsCīPsP±P»PëPIPs Cḡ PīP°C‡C-C”PSC,C-PI P»C-C,PSCHPsPiPs
PIC-PeCḡ, PīP°C‡C-C”PSC,C-PI C-P· PīCḡPsPrPḡPμPSPëPj CīPëPSPḡCḡPsPjPsPj
PīPsPrPsPIPḡPμPSPsPiPs C-PSC,PμCḡPIP°P»Cḡ QT, P·P°CīC,C-PNεPSPsCḡ CīPμCḡC‡PμPIPsCḡ
PSPμPrPsCīC,P°C,PSC-CīC,Cḡ, PīC-PīPμCḡC,CḡPsC,,C-C”Cḡ CīPμCḡC‡CḤ P°P±Ps
P·PSPëPḡPμPSPëPj CḡC-PIPSPμPj PeP°P»C-Cḡ C‡Pë PjP°PiPSC-Cḡ PI PeCḡPsPIC-.

PjCḡPsPjP±PsPμPjP±PsP»C-CḤ. PμCḡPë P»C-PeCḡPIP°PSPSC- PsP»P°PSP·P°PīC-PSPsPj
PSPμC‡P°CīC,Ps PīPsPIC-PrPsPjP»CḤP»PsCīCḤ PīCḡPs PIPëPīP°PrPePë

$C\bar{H}PsP \cdot PIP\bar{e}C, PeC\acute{r} PIP_{\mu}PSPsP \cdot PSPsC— C, C\bar{H}PsPjP \pm PsP_{\mu}PjP \pm PsP \gg C-C— (\geq 0,1 \% B\bar{H}'' < 1 \%)$.
 $P_{\mu}C\bar{H}P\bar{e}C \pm P\bar{e}PSPSPs-PSP^{\circ}C\acute{r}P \gg C-PrPePsPIPSPiPs P \cdot PI_{B\bar{H}}^{\text{TM}} C\bar{U}P \cdot PeC\acute{r} PjC-P\bar{P}$
 $P \gg C-PeC\acute{r}PIP^{\circ}PSPSC\bar{U}Pj PsP \gg P^{\circ}PSP \cdot P^{\circ}P\bar{i}C-PSPsPj C, P^{\circ} C\bar{H}PsP \cdot PIP\bar{e}C, PePsPj$
 $PIP_{\mu}PSPsP \cdot PSPsC— C, C\bar{H}PsPjP \pm PsP_{\mu}PjP \pm PsP \gg C-C— PSP_{\mu} PIC\acute{r}C, P^{\circ}PSPsPIP \gg P_{\mu}PSPs$.
 $PhPrPSP^{\circ}Pe, P \pm P_{\mu}C\bar{H}C\acute{r}C \pm P\bar{e} PrPs C\acute{r}PIP^{\circ}PiP\bar{e} C, P_{\mu}, C\%Ps C\acute{r} P\bar{i}P^{\circ}C\bar{t}C-C''PSC, C-PI C-P$.
 $C\bar{E}P\bar{e}P \cdot PsC,, C\bar{H}P_{\mu}PSC-C''C\bar{H} C \pm P^{\circ}C\acute{r}C, Ps C\bar{H}PsP \cdot PIP\bar{e}PIP^{\circ}C''C, C\bar{H}C\acute{r}C\bar{U}$
 $C\acute{r}C...P\bar{e}P \gg C\bar{H}PSC-C\acute{r}C, C\bar{H} PrPs C, C\bar{H}PsPjP \pm PsP_{\mu}PjP \pm PsP \gg C-C—,$
 $PSP_{\mu}PsP \pm C...C-PrPSPs PIC\bar{H}P^{\circ}C...PsPIC\acute{r}PIP^{\circ}C, P\bar{e} C\acute{r}C\acute{r}C- PjPsP\bar{P}P \gg P\bar{e}PIC-$
 $C,, P^{\circ}PeC, PsC\bar{H}P\bar{e} C\bar{H}P\bar{e}P \cdot P\bar{e}PeC\acute{r}, PSP^{\circ}P\bar{i}C\bar{H}P\bar{e}PeP \gg P^{\circ}Pr C-PjPjPsP \pm C-P \gg C-P \cdot P^{\circ}C\bar{t}C-C\bar{H}$
 $P\bar{i}P^{\circ}C\bar{t}C-C''PSC, P^{\circ}, C, P^{\circ} PIP\bar{P}\bar{e}PIP^{\circ}C, P\bar{e} PIC\acute{r}C-C... PSP_{\mu}PsP \pm C...C-PrPSP\bar{e}C...$
 $P \cdot P^{\circ}P\bar{i}PsP \pm C-P\bar{P}PSP\bar{e}C... P \cdot P^{\circ}C...PsPrC-PI$.

$P—P^{\circ}PiP^{\circ}P \gg C\bar{H}PSP^{\circ} PrC-C\bar{U} PSP^{\circ} C \bar{t}P_{\mu}PSC, C\bar{H}P^{\circ}P \gg C\bar{H}PSC \acute{e} PSP_{\mu}C\bar{H}PIPsPIC \acute{e} C\acute{r}P\bar{e}C\acute{r}C, P_{\mu}PjC \acute{e}$.
 $P^{\circ}C\bar{H}P^{\circ}C...PsPIC\acute{r}C\bar{H}C \pm P\bar{e} P\bar{i}P_{\mu}C\bar{H}P_{\mu}PIP^{\circ}P\bar{P}PSP\bar{e}PN_{\bar{e}} PIPiP \gg P\bar{e}PI PsP \gg P^{\circ}PSP \cdot P^{\circ}P\bar{i}C-PSC\acute{r} PSP^{\circ}$
 $P\bar{i}P\acute{K}P\bar{Y}, PSP_{\mu}PsP \pm C...C-PrPSPs PIP\bar{P}\bar{e}PIP^{\circ}C, P\bar{e} PrPsPrP^{\circ}C, PePsPIC- P \cdot P^{\circ}P\bar{i}PsP \pm C-P\bar{P}PSC-$
 $P \cdot P^{\circ}C...PsPrP\bar{e} P\bar{i}C\bar{H}P\bar{e} P \cdot P^{\circ}C\acute{r}C, PsC\acute{r}C\acute{r}PIP^{\circ}PSPSC- PsP \gg P^{\circ}PSP \cdot P^{\circ}P\bar{i}C-PSC\acute{r} C\bar{H}P^{\circ}P \cdot PsPj P \cdot$
 $C-PSC\bar{E}P\bar{e}PjP\bar{e} P\bar{i}C\bar{H}P_{\mu}P\bar{i}P^{\circ}C\bar{H}P^{\circ}C, P^{\circ}PjP\bar{e} C \bar{t}P_{\mu}PSC, C\bar{H}P^{\circ}P \gg C\bar{H}PSPsC— PrC-C—,$
 $PIPeP \gg C\bar{H}C \pm P^{\circ}C\bar{H}C \pm P\bar{e} PIP\bar{P}\bar{e}PIP^{\circ}PSPSC\bar{U} P^{\circ}P \gg PePsPiPsP \gg C\bar{H}$.

$P\acute{K}P^{\circ}P\bar{i}P^{\circ}PrP\bar{e} C\acute{r}C \acute{e} PrPsPj$. $PhP \gg P^{\circ}PSP \cdot P^{\circ}P\bar{i}C-PS PSP_{\mu}PsP \pm C...C-PrPSPs P \cdot$
 $PsP \pm P_{\mu}C\bar{H}P_{\mu}P\bar{P}PSC-C\acute{r}C, C\bar{H} P \cdot P^{\circ}C\acute{r}C, PsC\acute{r}PsPIC\acute{r}PIP^{\circ}C, P\bar{e}, C\bar{U}PeC\%Ps PI$
 $P^{\circ}PSP^{\circ}PjPSP_{\mu}P \cdot C- P\bar{i}P^{\circ}C\bar{t}C-C''PSC, P^{\circ} C'' P_{\mu}P\bar{i}C-P \gg P_{\mu}P\bar{i}C, P\bar{e}C \pm PSC- PSP^{\circ}P\bar{i}P^{\circ}PrP\bar{e}, P^{\circ}P \pm Ps$
 $P \cdot P^{\circ} PSP^{\circ}C\bar{U}IPSPsC\acute{r}C, C- C,, P^{\circ}PeC, PsC\bar{H}C-PI, C\%Ps P \cdot PSP\bar{e}P\bar{P}C\acute{r}C\bar{H}C, C\bar{H} P\bar{i}PsC\bar{H}C-PI$
 $C\acute{r}C\acute{r}PrPsPjPSPsC— PiPsC, PsPIPSPsC\acute{r}C, C- P\acute{K}P_{\mu}C \pm P^{\circ}C\acute{r}C, Ps$
 $P\bar{i}PsPIC-PrPsPjP \gg C\bar{U}P \gg PsC\acute{r}C\bar{U} P\bar{i}C\bar{H}Ps PIP\bar{e}P\bar{i}P^{\circ}PrPeP\bar{e} P_{\mu}P\bar{i}C-P \gg P_{\mu}P\bar{i}C, P\bar{e}C \pm PSP\bar{e}C...$
 $PSP^{\circ}P\bar{i}P^{\circ}PrC-PI P\bar{i}C\bar{H}P\bar{e} P \gg C-PeC\acute{r}PIP^{\circ}PSPSC- PsP \gg P^{\circ}PSP \cdot P^{\circ}P\bar{i}C-PSPsPj. Pj$
 $P \pm C-P \gg C\bar{H}C\bar{E}PsC\acute{r}C, C- C \bar{t}P\bar{e}C... PIP\bar{e}P\bar{i}P^{\circ}PrPeC-PI P\bar{i}P^{\circ}C\bar{t}C-C''PSC, P\bar{e} PjP^{\circ}P \gg P\bar{e} PI$
 $P^{\circ}PSP^{\circ}PjPSP_{\mu}P \cdot C- P_{\mu}P\bar{i}C-P \gg P_{\mu}P\bar{i}C, P\bar{e}C \pm PSC- PSP^{\circ}P\bar{i}P^{\circ}PrP\bar{e} P^{\circ}P \pm Ps C\bar{H}P\bar{e}P \cdot P\bar{e}Pe C—C...$
 $PIP\bar{e}PSP\bar{e}PePSP_{\mu}PSPSC\bar{U} P \pm C\acute{r}PI P\bar{i}C-PrPIP\bar{e}C\%P_{\mu}PSP\bar{e}PN_{\bar{e}}$.

$P_{\mu}C-P \cdot PSC\bar{U} PrP\bar{e}C\acute{r}PeC-PSP_{\mu}P \cdot C-C\bar{U}$. $Pj C...PsPrC- PeP \gg C-PSC-C \pm PSP\bar{e}C...$
 $PrPsC\acute{r}P \gg C-PrP\bar{P}P_{\mu}PSC\bar{H} C, C\bar{H}P\bar{e}PIP^{\circ}P \gg C-C\acute{r}C, C\bar{H} 1 C\bar{H}C-Pe P^{\circ}P \pm Ps PjP_{\mu}PSC\bar{E}P_{\mu} P\bar{i}C\bar{H}P\bar{e}$
 $P\bar{i}C\bar{H}P\bar{e}PN_{\bar{e}}PsPjC- PsP \gg P^{\circ}PSP \cdot P^{\circ}P\bar{i}C-PSC\acute{r} C\acute{r}P\bar{i}PsC\acute{r}C, P_{\mu}C\bar{H}C-PiP^{\circ}P \gg PsC\acute{r}C\bar{U}$
 $C\acute{r}C, P^{\circ}C, P\bar{e}C\acute{r}C, P\bar{e}C \pm PSPs P \cdot PSP^{\circ}C \bar{t}C\bar{r}C\%P_{\mu} P \cdot PSP\bar{e}P\bar{P}P_{\mu}PSPSC\bar{U} C \bar{t}P^{\circ}C\acute{r}C, PsC, P\bar{e}$
 $PIP\bar{e}PSP\bar{e}PePSP_{\mu}PSPSC\bar{U} PrP\bar{e}C\acute{r}PeC-PSP_{\mu}P \cdot C-C—, C\acute{r}P\bar{i}C\bar{H}P\bar{e}C \pm P\bar{e}PSP_{\mu}PSPsC—$
 $P \gg C-PeC\acute{r}PIP^{\circ}PSPSC\bar{U}Pj. P\bar{S}P_{\mu}C\bar{H}P_{\mu}P \cdot P \cdot C\bar{H}PsC\acute{r}C, P^{\circ}C\bar{H}C \pm P\bar{e}PN_{\bar{e}} C\bar{H}P\bar{e}P \cdot P\bar{e}Pe$
 $C\bar{H}PsP \cdot PIP\bar{e}C, PeC\acute{r} P\bar{i}C-P \cdot PSC\bar{H}PsC— PrP\bar{e}C\acute{r}PeC-PSP_{\mu}P \cdot C-C— P\bar{i}C\bar{H}P\bar{e}$
 $C, C\bar{H}P\bar{e}PIP^{\circ}P \gg PsPjC\acute{r} P\bar{i}C\bar{H}P\bar{e}PN_{\bar{e}}PsPjC- P^{\circ}PSC, P\bar{e}P\bar{i}C\acute{r}P\bar{e}C...PsC, P\bar{e}C \pm PSP\bar{e}C...$
 $P\bar{i}C\bar{H}P_{\mu}P\bar{i}P^{\circ}C\bar{H}P^{\circ}C, C-PI PSP_{\mu}PsP \pm C...C-PrPSP_{\mu} PIC-PrP\bar{i}PsPIC-PrPSP_{\mu}$
 $P \cdot PSP\bar{e}P\bar{P}P_{\mu}PSPSC\bar{U} PrPsP \cdot P\bar{e} P^{\circ}P \pm Ps P\bar{i}PsPIPSP^{\circ} PIC-PrPjC-PSP^{\circ} P\bar{i}C\bar{H}P_{\mu}P\bar{i}P^{\circ}C\bar{H}P^{\circ}C, C\acute{r}$
 $P\bar{i}C\bar{H}P\bar{e} P\bar{i}PsC\bar{U}PIC- C\acute{r} P\bar{i}P^{\circ}C\bar{t}C-C''PSC, P^{\circ} PsP \cdot PSP^{\circ}Pe C \pm P\bar{e} C\acute{r}P\bar{e}PjP\bar{i}C, PsPjC-PI$
 $P\bar{i}C-P \cdot PSC\bar{H}PsC— PrP\bar{e}C\acute{r}PeC-PSP_{\mu}P \cdot C-C— P— C \bar{t}P^{\circ}C\acute{r}PsPj C \bar{t}C- C\acute{r}P\bar{e}PjP\bar{i}C, PsPjP\bar{e}$
 $PjPsP\bar{P}C\acute{r}C, C\bar{H} P\bar{i}PsPiC-C\bar{H}C\bar{E}C\acute{r}PIP^{\circ}C, P\bar{e}C\acute{r}C\bar{H} P^{\circ}P \pm Ps PSP^{\circ}PIC-C, C\bar{H}$
 $P \cdot B\bar{H}^{\text{TM}} C\bar{U}PIP \gg C\bar{U}C, P\bar{e}C\acute{r}C\bar{U} P\bar{i}C-C\acute{r}P \gg C\bar{U} P\bar{i}C\bar{H}P\bar{e}P\bar{i}P\bar{e}PSP_{\mu}PSPSC\bar{U} P \gg C-PeC\acute{r}PIP^{\circ}PSPSC\bar{U}$.

$PhC\bar{H}C, PsC\acute{r}C, P^{\circ}C, P\bar{e}C \pm PSP^{\circ} PiC-P\bar{i}PsC, P_{\mu}PSP \cdot C-C\bar{U}$. $P\acute{K}P_{\mu}C \pm P^{\circ}C\acute{r}C, Ps$
 $P\bar{i}PsPIC-PrPsPjP \gg C\bar{U}P \gg PsC\acute{r}C\bar{U} P\bar{i}C\bar{H}Ps PIP\bar{e}P\bar{i}P^{\circ}PrPeP\bar{e} PsC\bar{H}C, PsC\acute{r}C, P^{\circ}C, P\bar{e}C \pm PSPsC—$
 $PiC-P\bar{i}PsC, P_{\mu}PSP \cdot C-C— C\acute{r} P\bar{i}P^{\circ}C\bar{t}C-C''PSC, C-PI P \gg C-C, PSC\bar{H}PsPiPs PIC-PeC\acute{r} PI$

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 PİC-PePsPj PİC-Pr 65 CĤPsPeC-PI.

P P°PİC,PsPİP° CÍPµCĤC†PµPİP° CÍPjPµCĤC,CH. Pj PİPsCÍC,PjP°CĤPePµC,PëPSPİPsPİPëC...
P·PİC-C,P°C... PİPsPİC-PrPsPjP»CİP»PsCÍCİ PİCĤPs PİPëPİP°PrPePë CĤP°PİC,PsPİPsC—
CÍPµCĤC†PµPİPsC— CÍPjPµCĤC,C-. P’C-PrPİPsPİC-PrPSPs PrPs
CĤPµC,CĤPsCÍPİPµPeC,PëPİPSPsPiPs PsP±CÍPµCĤPİP°C†C-PNëPSPsPiPs
PePsPiPsCĤC,PSPsPiPs PrPsCÍP»C-PrP¶PµPSPSCİ, CĤPëP·PëPe CĤP°PİC,PsPİPsC—
CÍPµCĤC†PµPİPsC— 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°PİCÍCİ PjP°PNëP¶Pµ PİPrPİC-C‡C- PİPsCĤC-PIPSCİPSPs P·
PİP°C†C-C”PSC,P°PjPë, CİPeC- PSPµ P·P°CÍC,PsCÍPsPİCÍPİP°P»Pë
P°PSC,PëPİCÍPëC...PsC,PëPePë. P PëP·PëPe PİCĤPë P·P°CÍC,PsCÍCÍPİP°PSPSC-
PsP»P°PSP·P°PİC-PSCÍ PİC-PrPİPsPİC-PrP°C” C,P°PePsPjCÍ PİCĤPë
P·P°CÍC,PsCÍCÍPİP°PSPSC- P°C,PëPİPsPİPëC... 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...PİPsCĤPëPj, CİPeC-
PjP°CĤC,CH CÍPİP°PrPePsPİCÍ 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-PSPµCĤPİC-C‡PSPëPNë P°PSC,P°PİPsPSC-P·Pj. PhP»P°PSP·P°PİC-PS in vitro
PİCĤPsCİPİP»CİC” P°PSC,P°PİPsPSC-P·Pj PrPs PrPsPİP°PjC-PSCÍ C,P°
C,PµPsCĤPµC,PëC‡PSPs PjPsP¶Pµ PİCĤPsC,PëPrC-CİC,Pë PµC,,PµPeC,P°Pj
P»PµPİPsPrPsPİPë C,P° P°PİPsPSC-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·CĤPµPİCÍP»CİC†C-C— PİP»CĤPePsP·Pë Pİ
P°PSP°PjPSPµP·C- (PİPeP»CĤC‡P°CĤC‡Pë PİP°C†C-C”PSC,C-PI P· C†CÍPeCĤPsPİPëPj
PrC-P°P±PµC,PsPj P°P±Ps PİP°C†C-C”PSC,C-PI C-P· PİCĤPsCİPİP°PjPë
PİC-PİPµCĤPİP»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,PePsPİPµ CÍPİC-PIPİC-PrPSPsC€PµPSPSCİ PİP°C†C-C”PSC,C-PI, CÍ CİPePëC...
P·PjC-PSPëPİCÍCİ 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- PīCŲPsPN€C€P»Pë 9БҢ"12-PjC-CfCfCfPSCf C,PμCŲP°PīC-CŲ PsP»P°PSP·P°PīC-PPSPsj, PīC-PrPIPëC%oPμPSPëPN€ CŲC-PIPμPSCŲ PīP»CŲPePsP·Pë Cf PeCŲPsPIC- P·PSPëPŲCfPIP°PICfCf C†PμCŲPμP· 6 PjC-CfCfCfC-PI.

P—PjC-PPSPë CŲC-PIPSCf P»C-PīC-PrC-PI. PkPμP±P°PŲP°PSC- P·PjC-PPSPë CŲC-PIPSCf P»C-PīC-PrC-PI PjPsPŲCfC,CH CŲPīPsCfC,PμCŲC-PiP°C,PëCfCf Cf PīP°C†C-C" PSC,C-PI, CŪPeC- P»C-PeCfCŲC,CHCfCfCf PsP»P°PSP·P°PīC-PPSPsj. P—PjC-PPSPë CŲC-PIPSCf P»C-PīC-PrC-PI CŲP»C-Pr P»C-PeCfPIP°C,Pë PSP°P»PμPŲPSPëPj C†PëPSPsj Cf PīP°C†C-C" PSC,C-PI C-P· PrPëCfP»C-PīC-PrPμPjC-C" CŲ C,P° Cf PīP°C†C-C" PSC,C-PI C-P· C,,P°PeC,PsCŲP°PjPë CŲPëP·PëPeCf CŲPsP·PIPëC,PeCf PīPsCŲCfC€PμPSCŲ PsP±PjC-PSCf P»C-PīC-PrC-PI. PμP°C†C-C" PSC,P°Pj, CŪPeC- PsC,CŲPëPjCfCŲC,CH P»C-PeCfPIP°PSPSCf P°PSC,PëPīCfPëC...PsC,PëC†PSPëPjPë P·P°CŲPsP±P°PjPë, PIPeP»CŲC†P°CŲC†Pë PsP»P°PSP·P°PīC-PS, PSPμPsP±C...C-PrPSPs CŲPμPiCfP»CfCŲPSPs PePsPSC,CŲPsP»CŲPIP°C,Pë CŲC-PIPSC- P»C-PīC-PrC-PI Cf PeCŲPsPIC-, PSP°PīCŲPëPeP»P°Pr PSP° PīPsC†P°C,PeCf P»C-PeCfPIP°PSPSCf, C†PμCŲPμP· 12 C,PëPŲPSC-PI, P° C,P°PePsPŲ PePsPŲPSC- 5 CŲPsPeC-PI PSP°PrP°P»C-.

Pj C...PsPrC- PeP»C-PSC-C†PSPëC... PrPsCfP»C-PrPŲPμPSCŲ, C%oPs C,CŲPëPIP°P»Pë P±C-P»CHC€Pμ 12 C,PëPŲPSC-PI, Cf PīP°C†C-C" PSC,C-PI, CŪPeC- PīCŲPëPN€PjP°P»Pë PsP»P°PSP·P°PīC-PS, CŲPīPsCfC,PμCŲC-PiP°P»PsCfCf PīC-PrPIPëC%oPμPSPSCf CŲC-PIPSCf P·P°PīP°P»CHPSPsPiPs C...PsP»PμCfC,PμCŲPëPSCf, P»C-PīPsPīCŲPsC,PμC—PrC-PI PSPëP·CHPePsC— C%oC-P»CHPSPsCfC,C- (P·PμPkP©) C- C,CŲPëPiP»C-C†PμCŲPëPrC-PI PīPsCŲC-PIPSCfPSPs P· PīCŲCfPīPsCŲ PīP»P°C†PμP±Ps.

P—PSP°C†PSPμ PīC-PrPIPëC%oPμPSPSCf CŲC-PIPSCf P»C-PīC-PrC-PI (P·P°PīP°P»CHPSPsPiPs C...PsP»PμCfC,PμCŲPëPSCf, P»C-PīPsPīCŲPsC,PμC—PrC-PI PSPëP·CHPePsC— C%oC-P»CHPSPsCfC,C-, C,CŲPëPiP»C-C†PμCŲPëPrC-PI) CŲPīPsCfC,PμCŲC-PiP°P»PsCfCf C†P°CfC,C-C€Pμ Cf PīP°C†C-C" PSC,C-PI P±PμP· PīPsCŲCfC€PμPSPSCf PsP±PjC-PSCf P»C-PīC-PrC-PI PI P°PSP°PjPSPμP·C-.

PkPμ CŲPīPsCfC,PμCŲC-PiP°P»PsCfCf CŲC,P°C,PëCfC,PëC†PSPs PīC-PrC,PIPμCŲPrPŲPμPSPëC... PIC-PrPjC-PPSPsCfC,PμPN€ PīC-PrPIPëC%oPμPSPSCf P»C-PīPsPīCŲPsC,PμC—PrC-PI PIPëCfPsPePsC— C%oC-P»CHPSPsCfC,C- (P·PμP'P©) PjC-PŲ PīP°C†C-C" PSC,P°PjPë, CŪPeC- PīCŲPëPN€PjP°P»Pë PsP»P°PSP·P°PīC-PS, C,P° PīP°C†C-C" PSC,P°PjPë, CŪPeC- PīCŲPëPN€PjP°P»Pë PīP»P°C†PμP±Ps.

PлC-P»CHPeC-CfPSPμ CŲPīC-PIPIC-PrPSPsC€PμPSPSCf PīP°C†C-C" PSC,C-PI, Cf CŪPePëC... P·PjC-PPSPëPICfCf CŲC-PIPμPSCŲ P·P°PīP°P»CHPSPsPiPs C...PsP»PμCfC,PμCŲPëPSCf, P»C-PīPsPīCŲPsC,PμC—PrC-PI PSPëP·CHPePsC— C%oC-P»CHPSPsCfC,C- P°P±Ps C,CŲPëPiP»C-C†PμCŲPëPrC-PI P· PSPsCŲPjP°P»CHPSPsPiPs P°P±Ps PīCŲP°PSPëC†PSPsPiPs CŲC-PIPSCf PrPs PIPëCfPsPePsPiPs P°P±Ps P·PjC-PPSPëPICfCf CŲC-PIPμPSCŲ P»C-PīPsPīCŲPsC,PμC—PrC-PI PIPëCfPsPePsC— C%oC-P»CHPSPsCfC,C- P· PSPsCŲPjP°P»CHPSPsPiPs P°P±Ps PīCŲP°PSPëC†PSPsPiPs PrPs PSPëP·CHPePsPiPs, P±CfP»Ps P±C-P»CHC€PëPj Cf C...PsPrC- PrPsPIPiPsC,CŲPëPIP°P»PëC... PrPsCfP»C-PrPŲPμPSCŲ (PSPμ PjPμPSC€Pμ 48 C,PëPŲPSC-PI) PīPsCŲC-PIPSCfPSPs P· C,P°PePëPj PīCŲPë PePsCŲPsC,PePsC,PμCŲPjC-PPSPsPIPëC... PrPsCfP»C-PrPŲPμPSPSCfC.... PJ PīP°C†C-C" PSC,C-PI, CŪPeC- PīCŲPsPN€C€P»Pë 12-PjC-CfCfCfPSCf C,PμCŲP°PīC-CŲ, CŲC-PIPμPSCŲ P·P°PīP°P»CHPSPsPiPs C...PsP»PμCfC,PμCŲPëPSCf PSPμ P·CŲPsCfC,P°PI PīC-CfP»Cf 4БҢ"6

PjC-CTCCTC-PI.

PŸCžC—CtPèPr. PħPsP¶P»PèPIC-CTC,CH CTİPİCĤPsP± CTİCrC—CtPèPrCr
PİCĤPèC,P°PjP°PSPSP° CİPe PİP°C†C-C”PSC,P°Pj C-P· CèPèP·PsC,,CĤPµPSC-C”CĤ,
C,P°Pe C- PİP°C†C-C”PSC,P°Pj C-P· P±C-PİPsP»CİCĤPSPèPj CĤPsP·P»P°PrPsPj I
C,PèPİCr, Cr P·PIBĤ™ CİP·PeCr P· C†PèPj PİPsC,CĤC-P±PSPs CĤPµC,PµP»CHPSPs
CTİPİPsCTİC,PµCĤC-PİP°C,Pè P·P° PİP°C†C-C”PSC,P°PjPè, CİPeC- PjP°CĤC,CH
PIPèCTİPsPePèPñ CĤPèP·PèPe CTİCrC—CtPèPrCr C,P° PsC,CĤPèPjCrCĤC,CH
C,PµCĤP°PİC-CĤ PsP»P°PSP·P°PİC-PSPsPj. P— PjPµC,PsCĤ P·PSPèP¶PµPSPSCİ
PjPsP¶P»PèPIPsCTİC,C- PİPµCĤPµPrPsP·CrPIP°PSPSCİ PİPsC,CĤC-P±PSPs
PIPèPİPèCTİCrPIP°C,Pè PsP»P°PSP·P°PİC-PS Cr C,P°P±P»PµC,PeP°C... PjP°P»PèPjPè
PeC-P»CHPePsCTİC,CİPjPè, PrPsCTİC,P°C,PSC-PjPè PrP»Cİ P·P°P±PµP·PİPµC†PµPSPSCİ
PSP°P»PµP¶PSPsPİPs P»C-PeCrPIP°P»CHPSPsPİPs 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 PICĤP°C...PsPICrPIP°C,Pè PİPsC,PµPSC†C-PñPSC-
PSP°CTİP»C-PrPePè PİC-PrPIPèC%PµPSPSCİ PjP°CTİPè C,C-P»P° PİP°C†C-C”PSC,P°.
PµP°C†C-C”PSC,Pè, CİPeC- PsC,CĤPèPjCrCĤC,CH P»C-PeCrPIP°PSPSCİ
PsP»P°PSP·P°PİC-PSPsPj, PİPsPIPèPSPSC- PİCĤPsC...PsPrPèC,Pè
CĤPµPİCrP»CİCĤPSPèPñ PjPsPSC-C,PsCĤPèPSPİ PjP°CTİPè C,C-P»P°.

PħPsPSPsC,PµCĤP°PİC-Cİ PsP»P°PSP·P°PİC-PSPsPj PrPsCĤPsCTİP»PèC.... PµC-Pr C†P°CTİ
P°PSP°P»C-P·Cr 13 PİP»P°C†PµP±Ps-PePsPSC,CĤPsP»CHPsPIP°PSPèC... PeP»C-PSC-C†PSPèC...
PrPsCTİP»C-PrP¶PµPSCĤ P±CrP»Ps PIPèCİPIP»PµPSPs, C%Ps CrB PİP°C†C-C”PSC,C-PI,
CİPeC- PsC,CĤPèPjCrPIP°P»Pè C,PµCĤP°PİC-CĤ PsP»P°PSP·P°PİC-PSPsPj,
CTİPİPsCTİC,PµCĤC-PİP°P»PsCTİCİ Pİ CTİPµCĤPµPrPSCĤPsPjCr PİC-PrPIPèC%PµPSPSCİ
PjP°CTİPè C,C-P»P° PSP° 2,6 PePİ PİPsCĤC-PIPSCİPSPs P· PIC,CĤP°C,PsCĤ PjP°CTİPè C,C-P»P° Pİ
CTİPµCĤPµPrPSCĤPsPjCr PSP° 0,3 PePİ Cr PİCĤCrPİC- PİP»P°C†PµP±Ps PİCĤPè PjPµPrC-P°PSC-
P·P°CTİC,PsCTİCrPIP°PSPSCİ 6 C,PèP¶PSC-PI; Cr 22,2 % PİP°C†C-C”PSC,C-PI C-P· C,PèC...,
CİPeC- PsC,CĤPèPjCrPIP°P»Pè C,PµCĤP°PİC-CĤ PsP»P°PSP·P°PİC-PSPsPj,
CTİPİPsCTİC,PµCĤC-PİP°P»PsCTİCİ PİC-PrPIPèC%PµPSPSCİ PjP°CTİPè C,C-P»P° PSPµ
PjPµPSCèPµ PSC-P¶ PSP° 7 % PjP°CTİPè PSP° PİPsC†P°C,PeCr P»C-PeCrPIP°PSPSCİ
PİPsCĤC-PIPSCİPSPs P· 3 % PİP°C†C-C”PSC,C-PI PİCĤCrPİPè PİP»P°C†PµP±Ps PİCĤPè
PjPµPrC-P°PSC- P·P°CTİC,PsCTİCrPIP°PSPSCİ 8 C,PèP¶PSC-PI; Cr 4,2 % PİP°C†C-C”PSC,C-PI
CTİPİPsCTİC,PµCĤC-PİP°P»PsCTİCİ P·P±C-P»CHCèPµPSPSCİ PjP°CTİPè C,C-P»P°
PİCĤPèPSP°PñPjPSC- PSP° 15 % PjP°CTİPè PSP° PİPsC†P°C,PeCr P»C-PeCrPIP°PSPSCİ
PİPsCĤC-PIPSCİPSPs P· 0,3 % PİP°C†C-C”PSC,C-PI PİCĤCrPİPè PİP»P°C†PµP±Ps PİCĤPè
PjPµPrC-P°PSC- P·P°CTİC,PsCTİCrPIP°PSPSCİ 12 C,PèP¶PSC-PI. PħP»C-PSC-C†PSPs
P·PSP°C†CrC%Pµ P·P±C-P»CHCèPµPSPSCİ PjP°CTİPè 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°CTİPè C,C-P»P°). PµCĤPèPİPèPSPµPSPSCİ C,PµCĤP°PİC-C—
C†PµCĤPµP· P·P±C-P»CHCèPµPSPSCİ PjP°CTİPè C,C-P»P° PIC-PrP±CrP»PsCTİCİ Cr 0,2 %
PİP°C†C-C”PSC,C-PI, CİPeC- PsC,CĤPèPjCrPIP°P»Pè P»C-PeCrPIP°PSPSCİ
PsP»P°PSP·P°PİC-PSPsPj, PİPsCĤC-PIPSCİPSPs P· 0 % PİP°C†C-C”PSC,C-PI P· PİCĤCrPİPè
PİP»P°C†PµP±Ps.

Pj C...PsPrC- PrPsPIPİPsC,CĤPèPIP°P»PèC... PeP»C-PSC-C†PSPèC... PrPsCTİP»C-PrP¶PµPSCĤ
(PSPµ PjPµPSCèPµ 48 C,PèP¶PSC-PI) CTİPµCĤPµPrPSC” P·P±C-P»CHCèPµPSPSCİ PjP°CTİPè
C,C-P»P° Cr PİP°C†C-C”PSC,C-PI P±CrP»Ps 5,6 PePİ (PİCĤPè PjPµPrC-P°PSC-
P·P°CTİC,PsCTİCrPIP°PSPSCİ 573 PrPSC-; N = 2021). PħC-P»CHPeC-CTİC,CH

$\text{P}^{\text{IP}^{\circ}\text{C}^{\dagger}\text{C}-\text{C}^{\text{PSC,C-PI}}, \text{C}^{\dagger} \text{C}^{\dagger}\text{P}^{\text{eP}^{\text{eC}}}\dots \text{C}^{\dagger}\text{P}^{\text{IPsC}^{\dagger}\text{C}}, \text{P}^{\text{uCT}}\text{C}-\text{P}^{\text{IP}^{\circ}\text{P}}\rangle\text{PsC}^{\dagger}\text{C}^{\dagger} \text{P}^{\cdot}\text{P}^{\pm}\text{C}-\text{P}\rangle\text{CHC}^{\text{eP}}\text{P}^{\text{uPSPSC}^{\dagger}}$
 $\text{P}^{\text{J}}\text{P}^{\circ}\text{C}^{\dagger}\text{P}^{\text{e}} \text{C,C-P}\rangle\text{P}^{\circ} \text{PSP}^{\text{u}} \text{P}^{\text{J}}\text{P}^{\text{uPSC}}\text{€ PSC-P}^{\text{¶}} \text{PSP}^{\circ} 7 \%, 15 \%, \text{P}^{\circ}\text{P}^{\pm}\text{Ps} 25 \%, \text{P}^{\text{IPsC}^{\dagger}\text{P}^{\circ}\text{C}}, \text{PePsPIP}^{\text{PsC}}-$
 $\text{P}^{\text{J}}\text{P}^{\circ}\text{C}^{\dagger}\text{P}^{\text{e}}, \text{P}^{\text{ICT}}\text{P}^{\text{e}} \text{PrPsPIP}^{\text{IPsC}}, \text{CT}^{\text{J}}\text{P}^{\text{ePIP}^{\circ}\text{P}}\rangle\text{PsP}^{\text{J}}\text{C}^{\dagger} \text{P}^{\cdot}\text{P}^{\circ}\text{C}^{\dagger}\text{C}, \text{PsC}^{\dagger}\text{C}^{\dagger}\text{PIP}^{\circ}\text{PSPSC}-$
 $\text{PsP}\rangle\text{P}^{\circ}\text{PSP}^{\cdot}\text{P}^{\circ}\text{P}^{\text{IC}}-\text{PSC}^{\dagger} \text{C}^{\dagger}\text{C}, \text{P}^{\circ}\text{PSPsPIP}^{\text{eP}}\rangle\text{P}^{\circ} 64 \%, 32 \% \text{B} \text{C}, \text{P}^{\circ} 12 \% \text{PIC}-\text{PrP}^{\text{IPsPIC}}-\text{PrPSPs}.$
 $\text{P}^{\text{uCT}}\text{P}^{\text{eP}^{\text{IPePSP}}\text{uPSPSC}^{\dagger}} \text{C}, \text{P}^{\text{uCT}}\text{P}^{\circ}\text{P}^{\text{IC}}-\text{C}-\text{C}^{\dagger}\text{P}^{\text{uCT}}\text{P}^{\text{uP}} \cdot \text{P}^{\cdot}\text{P}^{\pm}\text{C}-\text{P}\rangle\text{CHC}^{\text{eP}}\text{P}^{\text{uPSPSC}^{\dagger}} \text{P}^{\text{J}}\text{P}^{\circ}\text{C}^{\dagger}\text{P}^{\text{e}}$
 $\text{C,C-P}\rangle\text{P}^{\circ} \text{PIC}-\text{PrP}^{\pm}\text{C}^{\dagger}\text{P}\rangle\text{PsC}^{\dagger}\text{C}^{\dagger} \text{C}^{\dagger} 0,4 \%, \text{P}^{\text{IP}^{\circ}\text{C}^{\dagger}\text{C}-\text{C}^{\text{PSC,C-PI}}, \text{C}^{\dagger}\text{P}^{\text{eC}}-\text{PsC}, \text{CT}^{\text{J}}\text{P}^{\text{eP}^{\text{J}}}\text{C}^{\dagger}\text{PIP}^{\circ}\text{P}\rangle\text{P}^{\text{e}}$
 $\text{P}\rangle\text{C}-\text{PeC}^{\dagger}\text{PIP}^{\circ}\text{PSPSC}^{\dagger} \text{PsP}\rangle\text{P}^{\circ}\text{PSP}^{\cdot}\text{P}^{\circ}\text{P}^{\text{IC}}-\text{PSPsP}^{\text{J}} \text{P}^{\text{ICT}}\text{PsC}, \text{C}^{\dagger}\text{P}^{\text{IPsP}^{\text{J}}} \text{PSP}^{\text{u}} \text{P}^{\text{J}}\text{P}^{\text{uPSC}}\text{€ PSC-P}^{\text{¶}} 48$
 $\text{C}, \text{P}^{\text{eP}^{\text{¶}}}\text{PSC}-\text{PI}.$

$P''P\bar{e}C\bar{I}'C,,P^{\circ}PiC-C\bar{I}\bar{I}$. $P_{\bar{I}}P_sC\bar{I}C_rC\bar{e}P_{\bar{I}}PSPSC\bar{I}\bar{I}$ $P_{\bar{I}}P\cdot PsC,,P^{\circ}PiP^{\circ}P\gg C\bar{H}BPSPsC-$
 $P_jPsC,PsC\bar{I}P\bar{e}PeP\bar{e}$ $C,P^{\circ}P\cdot P^{\circ}PrP\bar{e}C\bar{e}PeP^{\circ}P\pm C_rP\gg P\bar{e}P^{\circ}C\bar{I}'PsC\bar{I}C-PN_{\bar{e}}PsPIP^{\circ}PSC-$ $P\cdot$
 $P\bar{I}C\bar{I}P\bar{e}PN_{\bar{e}}PsP_jPsP_j$ $P^{\circ}PSC,P\bar{e}P\bar{I}C\bar{I}'P\bar{e}C...PsC,P\bar{e}C\bar{I}PSP\bar{e}C...P\cdot P^{\circ}C\bar{I}'PsP\pm C-P\bar{I}$.
 $P_{\bar{I}}C\bar{I}'P\bar{I}C-C\bar{I}P^{\circ}C\bar{I}C-PN_{\bar{e}}PSP^{\circ}$ $P\bar{I}PSP_{\bar{I}}PIP_jPsPSC-C\bar{I}\bar{I}$ $P\pm C_rP\gg P^{\circ}C\bar{I}'P^{\circ}C\bar{I}'C,PsC\bar{I}$
 $P\bar{I}C\bar{I}P\bar{e}C\bar{I}P\bar{e}PSPsC\bar{I}$ $P\cdot P^{\circ}C...PIP_sC\bar{I}C\bar{I}PIP^{\circ}PSPsC\bar{I}'C,C-$ $C,P^{\circ}P\gg P_{\bar{I}}C,P^{\circ}P\gg C\bar{H}BPSPsC\bar{I}'C,C-$
 $C_rP\bar{I}P^{\circ}C\bar{I}C-C''PSC,C-P\bar{I}$ $C-P\cdot C...PIP_sC\bar{I}PsP\pm PsC\bar{I}$ $P_{\bar{I}}P\gg C\bar{H}C\bar{I}PiP_{\bar{I}}PN_{\bar{e}}P_jP_{\bar{I}}C\bar{I}P^{\circ}$.
 $P_{\bar{I}}P\gg P^{\circ}PSP\cdot P^{\circ}P\bar{I}C-PS$ $PSP_{\bar{I}}$ $C\bar{I}'C...PIP^{\circ}P\gg P_{\bar{I}}PSP\bar{e}PN_{\bar{e}}$ $PrP\gg C\bar{I}\bar{I}$ $P\gg C-PeC_rPIP^{\circ}PSPSC\bar{I}\bar{I}$
 $P\bar{I}P^{\circ}C\bar{I}C-C''PSC,C-P\bar{I}$ $C-P\cdot C...PIP_sC\bar{I}PsP\pm PsC\bar{I}$ $P_{\bar{I}}P\gg C\bar{H}C\bar{I}PiP_{\bar{I}}PN_{\bar{e}}P_jP_{\bar{I}}C\bar{I}P^{\circ}$.

$P \cdot P_{\mu} P_i C \acute{z} P \gg C \dot{I} C \dot{+} C - C \dot{I} C, P_{\mu} P_j P_i P_{\mu} C \dot{H} P^{\circ} C, C \acute{z} C \dot{H} P \ddot{e} C, C - P \gg P^{\circ}$. $P_{\mu} P_s C \dot{H} C \acute{r} C \epsilon P_{\mu} P S P S C \dot{I} C$
 $P \cdot P r P^{\circ} C, P S P s C \dot{I} C, C - C, C - P \gg P^{\circ}$ $P \cdot P S P \ddot{e} P \dot{I} C \acute{r} P I P^{\circ} C, P \ddot{e} C \dot{I} P I P s C \dot{H} C, P_{\mu} P_j P_i P_{\mu} C \dot{H} P^{\circ} C, C \acute{r} C \dot{H} C \acute{r}$
 $C \dot{I} P \ddot{I} P s C \dot{I} C, P_{\mu} C \dot{H} C - P i P^{\circ} P \gg P s C \dot{I} C \dot{I} C \acute{r} P \cdot P i B \dot{H}^{\text{TM}} C \dot{I} P \cdot P e C \acute{r} C - P \cdot P \cdot P^{\circ} C \dot{I} C, P s C \dot{I} C \acute{r} P I P^{\circ} P S P S C \dot{I} P_j$
 $P^{\circ} P S C, P \ddot{e} P \dot{I} C \dot{I} P \ddot{e} C \dots P s C, P \ddot{e} P e C - P i$. $P \cdot P_{\mu} P e P s P_j P_{\mu} P S P r P s P I P^{\circ} P S P s P \cdot P I P^{\circ} P \dot{I} P^{\circ} C, P \ddot{e} P S P^{\circ} C \dot{+} P_{\mu} P N \ddot{e}$
 $C, P^{\circ} P e C, P \dot{I} C \dot{H} P \ddot{e} P \dot{I} C \dot{H} P \ddot{e} P \cdot P S P^{\circ} C \dot{+} P_{\mu} P S P S C - P s P \gg P^{\circ} P S P \cdot P^{\circ} P \dot{I} C - P S C \acute{r} P \dot{I} P^{\circ} C \dot{+} C - C^{\text{P}} S C, P^{\circ} P_j, C \dot{I} P e C -$
 $P \cdot P S P^{\circ} C \dots P s P r C \dot{I} C, C \dot{H} C \dot{I} C \dot{I} P i C \acute{r} P_j P s P I P^{\circ} C \dots, C \% P s P_j P s P \dot{I} C \acute{r} C, C \dot{H} P \dot{I} C \dot{H} P \ddot{e} P \cdot P I P_{\mu} C \dot{I} C, P \ddot{e} P r P s$
 $P \dot{I} C - P r P I P \ddot{e} C \% P_{\mu} P S P S C \dot{I} C, P_{\mu} P_j P_i P_{\mu} C \dot{H} P^{\circ} C, C \acute{r} C \dot{H} P \ddot{e} C, C - P \gg P^{\circ}, C, P^{\circ} P e P \ddot{e} C \dots C \dot{I} P e$
 $P \dot{I} P s C \dot{I} P \ddot{e} P \gg P_{\mu} P S C - C, C \dot{H} P_{\mu} P S C \acute{r} P I P^{\circ} P S P S C \dot{I} C, P \dot{I} P_{\mu} C \dot{H} P_{\mu} P \pm C \acute{r} P I P^{\circ} P S P S C \dot{I} P i C \acute{r} P_j P s P I P^{\circ} C \dots$
 $P_{\mu} P e C \dot{I} C, C \dot{H} P_{\mu} P_j P^{\circ} P \gg C \dot{H} P S P \ddot{e} C \dots C, P_{\mu} P_j P_i P_{\mu} C \dot{H} P^{\circ} C, C \acute{r} C \dot{H}, C \dot{I} C \acute{r} P i C \acute{r} C, P S C^{\text{P}}$
 $P \cdot P^{\circ} C \dot{I} C, P s C \dot{I} C \acute{r} P I P^{\circ} P S P S C \dot{I} C P \cdot P^{\circ} C \dot{I} P s P \pm C - P i P \cdot P^{\circ} P S C, P \ddot{e} C \dots P s P \gg C - P S P_{\mu} C \dot{H} P i C - C \dot{+} P S P s C \dot{H}$
 $P^{\circ} P e C, P \ddot{e} P I P S C - C \dot{I} C, C \dot{H} P^{\circ} P \pm P s C \dot{I} C, P^{\circ} P S P r P_{\mu} P i C - P r C \dot{H} P^{\circ} C, P^{\circ} C \dot{+} C - C _.$

P—*P*°*C*′*C*,*P**s**C*′*C*¿*PIP*°*PSPSC*‡ *PiP*°*C*†*C*—*C*″*PSC*,*P*°*P**j*, *C*‡*P**e**C*—*P**j**P*°*C*‡*C*,*C*‡ *C*′*C*¿*PiC*¿*C*,*PSC*—*P*·*P*°*C*...*PIPs**C*‡*C*‡*PIP*°*PSPSC*‡. *P*‡*P*»*C*—*PSC*—*C*‡*PSP*ë*P*‡ *PrPs**C*′*PIC*—*Pr*
P·*P*°*C*′*C*,*P**s**C*′*C*†*PIP*°*PSPSC*‡ *PsP*»*P*°*PSP*·*P*°*PiC*—*PSC*† *PiP*°*C*†*C*—*C*″*PSC*,*P*°*P**j* *C*—*P*· *PiP*‡*PIPSP*ë*P**j*ë
P·*P*°*C*...*PIPs**C*‡*C*‡*PIP*°*PSPSC*‡*P**j*ë *PsP*±*P**j**P*‡*P*‡*P*‡*PSP*ë*P*‡. *P*‡*P*»*P*°*PSP*·*P*°*PiC*—*PS* *PiPs**C*′*P*ë*P*»*C*‡*C*″
in vitro *P*°*C*„*C*—*PSPSC*—*C*′*C*,*C*‡ *PrPs* *P**j**C*†*C*′*PeP*°*C*‡*P*ë*PSPs**PIP*ë*C*... *C*‡*P*‡*C*†*P*‡*PiC*,*P**s**C*‡*C*—*PI*. *P**j*
C...*PsPrC*— *PiC*‡*P*‡*P**j**P*°*C*‡*PeP*‡*C*,*P*ë*PS**PiPs**PIP*ë*C*... *PeP*»*C*—*PSC*—*C*‡*PSP*ë*C*...
*PrPs**C*′*P*»*C*—*PrP*‡*P*‡*PSCH* *PsP*»*P*°*PSP*·*P*°*PiC*—*PSC*† *P*‡*Ps**PiPs* *P*·*P*°*C*′*C*,*P**s**C*′*C*†*PIP*°*PSPSC*‡
P±*C*†*P*»*Ps* *P*°*C*′*PsC*†*C*—*P*‡*Ps**PIP*°*PSP*‡ *C*—*P*· *P*·*P*°*PiPs**C*‡*P*°*P**j*ë, *PIC*—*PrC*†*C*†*C*,*C*,*C*‡*P**j*
C′*C*†*C*...*P**s**C*′*C*,*C*— *PI* *C*‡*PsC*,*C*—, *C*,*P*°*C*...*C*—*PeP*°*C*‡*PrC*—*C*″*C*‡ *C*,*P*° *C*—*PSC*€*P*ë*P**j*ë
*PiPs**P*±*C*—*C*‡*PSP*ë*P**j*ë *C*‡*PI**P*ë*C*%*P*°*P**j*ë, *C*%*Ps*, *P**j**PsP*‡*P*»*P*ë*PIPs*, *PiPs**PiB*‡™ *C*‡*P*·*P*°*PSC*— *P*·
C...*PsP*»*C*—*PSP*‡*C*‡*PiC*—*C*‡*PSP*ë*P**j* *P*°*PSC*,*P*°*PiPs**PSC*—*P*·*P**j**PsP**j*. *P*‡*PsPrC*—*P*±*PSC*— *PiPs**P*±*C*—*C*‡*PSC*—
C‡*P*‡*P*°*PeC*†*C*— *PSP*‡*C*†*P*°*C*′*C*,*Ps* *PIP*ë*P**j**P*°*PiP*°*P*»*P*ë *PiC*‡*P*ë*PiP*ë*PS**P*‡*PSPSC*‡ *C*,*P*‡*C*‡*P*°*PiC*—*C*—
PsP»*P*°*PSP*·*P*°*PiC*—*PSP**PsP**j*, *P*°*P*»*P*‡*PSP*‡*PsP*±*C*...*C*—*PrPSP**Ps* *P*· *PsP*±*P*‡*C*‡*P*‡*P*‡*PSC*—*C*′*C*,*C*‡
P·*P*°*C*′*C*,*P**s**C*′*PsPIC*†*PIP*°*C*,*P*ë *PsP*»*P*°*PSP*·*P*°*PiC*—*PS* *PiP*°*C*†*C*—*C*″*PSC*,*P*°*P**j* *C*—*P*· *PeP*»*C*—*PSC*—*C*‡*PSP**Ps*
P·*PSP*°*C*†*C*%*PsC*‡ *PiC*—*PiP*‡*C*‡*C*,*C*‡*PsC*„*C*—*C*″*C*‡ *PiC*‡*PsC*′*C*,*P*°*C*,*P*ë,
PIC†*P*·*C*‡*PePs**PeC*†*C*,*Ps**PIPs**C*‡ *PiP*»*P*°*C*†*PePs**P**j**PsC*‡, *PiP*°*C*‡*P*»*C*—*C*,*P*ë*C*‡*PSP**PsC*‡
PSP‡*PiC*‡*PsC*...*C*—*PrPSC*—*C*′*C*,*C*‡ *PeP*ë*C*€*P*‡*C*‡*PSP*ë*PeC*† *PI* *P*°*PSP*°*P**j**PSP*‡*P*·*C*— *P*°*P*±*Ps* *P*·*C*—
C′*PiPs**C*‡*C*—*PrPSP*‡*PSP*ë*P**j*ë *C*′*C*,*P*°*PSP*°*P**j*ë, *C*′*PiC*‡*P*ë*C*‡*P*ë*PS**P*‡*PSP*ë*P**j*ë
C...*PsP*»*C*—*PSP*‡*C*‡*PiC*—*C*‡*PSP*ë*P**j* *P*°*PSC*,*P*°*PiPs**PSC*—*P*·*P**j**PsP**j*, *C*‡*P**eC*— *P**j**PsP*‡*C*†*C*,*C*‡
*PiPs**PiC*—*C*‡*C*€*C*†*PIP*°*C*,*P*ë*C*′*C*‡ *C*† *PiC*‡*P*ë*C*′*C*†*C*,*PSP**PsC*′*C*,*C*— *PsP*»*P*°*PSP*·*P*°*PiC*—*PSC*†. *P**j*
C...*PsPrC*— 5 *PiP*»*P*°*C*†*P*‡*Ps*—*PePs*

PsP»P°PSP·P°PīC-PSCř Cř PīP°C†C-C"°PSC,C-PI P»C-C,PSCHbPsPiPs PIC-PeCř C-P·
 PīCĠPēC...PsP·PsPj, PīPsPIbĤ™ CĠP·P°PSPēPj P· PrPμPjPμPSC†C-C"°CĤ (n = 1184),
 CĠPīPsCĠC,PμCĤC-PiP°P»PēCĠCĠ C,P°PeC- PīPsP±C-C†PSC- CĤPμP°PeC†C-C—,
 PīPsPIbĤ™ CĠP·P°PSC- C-P· C,PμCĤP°PīC-C"°CĤ, C-P· C†P°CĠC,PsC,PsCĤ
 PIPēPSPēPePSPμPSPSCĠ PSPμ PjPμPSCēPμ 2 %, CĠPeP° 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-PSPSCĠ, CĠPsPSP»PēPIC-CĠC,CHb, PīPμCĤPēC,,PμCĤPēC†PSC- PSP°P±CĤCĠPePē,
 PīPsCĤCřCēPμPSPSCĠ C...PsPrPē, PSPμC,CĤPēPjP°PSPSCĠ CĠPμC†C-, P»PμC,P°CĤPīC-CĠ,
 P·P±C-P»CHbCēPμPSPSCĠ PjP°CĠPē C,C-P»P°, P°CĠC,PμPSC-CĠ, PīC-CĤPμPeCĠC-CĠ,
 PīPSPμPIPjPsPSC-CĠ, PIC-PrC†CřC,C,CĠ CĠCřC...PsCĠC,C- PI CĤPsC,C- C,P° P·PsCĤPsPIC-
 PīP°P»CĤC†PēPSP°C†C-C—. PšP°CĠC,PsC,P° PīCĤPēPīPēPSPμPSPSCĠ C,PμCĤP°PīC-C—
 C†PμCĤPμP· PīPsP±C-C†PSC- CĠPIPēC°P° P±CřPI PIPēC°PēPNē Cř PiCĤCřPīC-, CĠPeP°
 PsC,CĤPēPjCřPīP°P»P° PsP»P°PSP·P°PīC-PS, PīPsCĤC-PIPSĠPSPs P· PīP»P°C†PμP±Ps (13 %
 PīPsCĤC-PIPSĠPSPs P· 7 %). PJ PīP°C†C-C"°PSC,C-PI P»C-C,PSCHbPsPiPs PIC-PeCř C-P·
 PīCĠPēC...PsP·PsPj, PīPsPIbĤ™ CĠP·P°PSPēPj P· PrPμPjPμPSC†C-C"°CĤ, CĠPeC-
 PsC,CĤPēPjCřCĤC,CHb PsP»P°PSP·P°PīC-PS, PIPēC°PēPNē CĤC-PIPμPSCHb
 P»PμC,P°P»CHbPSPsCĠC,C- PīPsCĤC-PIPSĠPSPs P· PiCĤCřPīPsCĤ PīP»P°C†PμP±Ps.
 PhP»P°PSP·P°PīC-PS PSPμ PīPsPeP°P·P°PSPēPNē PrP»CĠ P»C-PeCřPīP°PSPSCĠ
 PīP°C†C-C"°PSC,C-PI P»C-C,PSCHbPsPiPs PIC-PeCř C-P· PīCĠPēC...PsP·PsPj,
 PīPsPIbĤ™ CĠP·P°PSPēPj P· PrPμPjPμPSC†C-C"°CĤ. PhP»P°PSP·P°PīC-PS PSPμ
 P·P°CĠC,PsCĠPsPICřPīP°PICĠCĠ PI PrPsCĠC,P°C,PSC-PNē PeC-P»CHbPePsCĠC,C-
 PIPēPīP°PrPeC-PI PīP°C†C-C"°PSC,P°Pj P· PSPμC°PsPrP°PIPSĠC-Pj C-PSC,,P°CĤPeC,PsPj
 PjC-PsPeP°CĤPrP° P°P±Ps PSPμCĠC,P°P±C-P»CHbPSPēPj CĠPμCĤC†PμPIPēPj
 P·P°C...PIPsCĤCĤPIP°PSPSCĠPj. PμP°C†C-C"°PSC,Pē P· PIPēC°PμPIPeP°P·P°PSPēPjPē
 PrC-P°PiPSPsP·P°PjPē P±CřP»Pē PIPēPeP»CĤC†PμPSC- P· PīCĤPμPjP°CĤPePμC,PēPSiPsPIPēC...
 PeP»C-PSC-C†PSPēC... PrPsCĠP»C-PrP¶PμPSCHb. PŸP»C-Pr P· PsP±PμCĤPμP¶PSC-CĠC,CĤ
 P·P°CĠC,PsCĠPsPICřPīP°C,Pē PsP»P°PSP·P°PīC-PS PrP»CĠ P»C-PeCřPīP°PSPSCĠ
 PīP°C†C-C"°PSC,C-PI C-P· CĠPμCĤC†PμPIPēPjPē P·P°C...PIPsCĤCĤPIP°PSPSCĠPjPē C†PμCĤPμP·
 CĤPēP·PēPe PIPēPSPēPePSPμPSPSCĠ PsCĤC,PsCĠC,P°C,PēC†PSPsC— PiC-PīPsC,PμPSP·C-C—.

*P»P°P±PsCĤP°C,PsCĤPSC- PrPsCĠP»C-PrP¶PμPSPSCĠ. P PμPePsPjPμPSPPrCřC"°C,CHbCĠCĠ
 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°PSPSCĠ C,P° PīPμCĤC-PsPrPēC†PSPs
 PīC-Pr C†P°CĠ P»C-PeCřPīP°PSPSCĠ.*

*P"C-PiPμCĤPiCĤPsP»P°PeC,PēPSPμPjC-CĠ. PīPe C- C-PSCēC- P·P°CĠPsP±Pē P·
 PIP»P°CĠC,PēPIPsCĠC,CĠPjPē P°PSC,P°PiPsPSC-CĠC,C-PI PrPsPīP°PjC-PSPsPIPēC...
 CĤPμC†PμPīC,PsCĤC-PI D₂, PsP»P°PSP·P°PīC-PS PīC-PrPIPēC°CřC"°PI PeCĤPsPIC-
 CĤC-PIPSĠ- PīCĤPsP»P°PeC,PēPSCř, C- C†Pμ PīC-PrPIPēC°PμPSPSCĠ
 P·P±PμCĤC-PiP°C"°C,CHbCĠCĠ PīCĤPē C,CĤPēPIP°P»PsPjCř P·P°CĠC,PsCĠCřPīP°PSPSC-.
 P"C-PiPμCĤPīCĤPsP»P°PeC,PēPSPμPjC-CĠ 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¶PμPSPSCĠ CĠPμPeCĤPμC†C-C— PīC-C,CřC—C,P°CĤPSPsPiPs
 PīPsPSP°PrPsC,CĤPsPīC-PSCř. PīPμ, PI CĠPIPsCĤ C†PμCĤPīCř, PjPsP¶Pμ
 C-PSPiC-P±CřPīP°C,Pē CĤPμPīCĤPsPrCřPeC,PēPIPSĠCř C,,CřPSPeC†C-CĤ CēP»CĠC...PsPj
 PīPsCĤCřCēPμPSPSCĠ PīPsPSP°PrPSPsPiPs CĠPīPμCĤPjP°C,PsPiPμPSPμP·Cř CĠPe Cř
 C†PsP»PsPIC-PeC-PI, C,P°Pe C- Cř P¶C-PSPsPe. PμPsPIC-PrPsPjP»CĠP»PsCĠCĠ PīCĤPs
 PīP°P»P°PeC,PsCĤPμCĤ, P°PjPμPSPsCĤPμCĤ, PiC-PSPμPePsPjP°CĠC,C-CĤ C,P°
 C-PjPīPsC,PμPSC†C-CĤ Cř PīP°C†C-C"°PSC,C-PI, CĠPeC- PsC,CĤPēPjCřPīP°P»Pē
 PīCĤPμPīP°CĤP°C,Pē, C°Ps PīC-PrPIPēC°CřPīP°P»Pē CĤC-PIPμPSCHb*

ΠῖCῥPsP»P°PeC,ΠēPSCῑ. P°PsPIPiPsC,CῥΠēPIP°P»P°
PiC-ΠῖPμCῥΠῖCῥPsP»P°PeC,ΠēPSPμPjC-Cῑ, P°CῑPsC†C-PN₂PsPIP°PSP° C-P.
PiC-ΠῖPsPiPsPSP°PrΠēP·PjPsPj, PjPsPῑPμ ΠῖCῥΠēP·PIPμCῑC,Πē PrPs P·PSPēPῑPμPSPSCῑ
C%oC-P»CHPSPsCῑC,C- PeC-CῑC,PsPe CῑPe Cῑ C†PsP»PsPIC-PeC-PI, C,P°Pe C- Cῑ
PῑC-PSPsPe.

P°PsPrP°C,PePsPIC- PrPsCῑP»C-PrPῑPμPSPSCῑ/ P»P°P±PsCῥP°C,PsCῥPSC- PrP°PSC-.
P°PμCῥCῑC†Πē PrPs CῑPIP°PiΠē, C%oPs Cῑ C...PsPrC- PrPμCῑPeΠēC... PrPsCῑP»C-PrPῑPμPSCῥ
PSP° C,PIP°CῥΠēPSP°C... CῑΠῖPsCῑC,PμCῥC-ΠῖP°P»P°CῑCῑ PSPμPN₂C,CῥPsΠῖPμPSC-Cῑ,
P°CῑPsC†C-PN₂PsPIP°PSP° C-P. ΠῖCῥΠēPN₂PsPjPsPj C-PSCēΠēC... ΠῖCῑΠēC...PsC,CῥPsΠῖPSPēC...
PePsPjΠῖPsPSPμPSC,C-PI, C,P° P»PμPN₂PePsΠῖPμPSC-Cῑ, P°CῑPsC†C-PN₂PsPIP°PSP° C-P.
ΠῖCῥΠēPN₂PsPjPsPj PsP»P°PSP·P°ΠῖC-PSCῑ (PrΠēPI. B«PῑPsPeCῑΠēPePsP»PsPiC-C†PSC-
PrPsCῑP»C-PrPῑPμPSPSCῑ PSP° C,PIP°CῥΠēPSP°C...B» PSPēPῑC†Pμ),
PiPμPjP°C,PsP»PsPiC-C†PSC- ΠῖP°CῥP°PjPμC,CῥΠē PsC†C-PSCῥPIP°P»ΠēCῑCH P·
PsCῑPsP±P»ΠēPIPsCῥ CῑPIP°PῑPSC-CῑC,Cῥ Cῑ ΠῖCῥPμPjP°CῥPePμC,ΠēPSPiPsPIPēC...
PrPsCῑP»C-PrPῑPμPSPSCῑC... PsP»P°PSP·P°ΠῖC-PSCῑ. Pj C†ΠēC...
PrPsCῑP»C-PrPῑPμPSPSCῑC... PSPμ P±CῑP»Ps PIPēCῑPIP»PμPSPs CῥΠēP·ΠēPeCῑ
PIPēPSPēPePSPμPSPSCῑ PeP»C-PSC-C†PSPs P·PSP°C†CῑC%oPsC— PSPμPN₂C,CῥPsΠῖPμPSC-C—,
ΠῖPsPIBῥ™ CῑP·P°PSPsC— P· P»C-PeCῑPIP°PSPSCῑPj PsP»P°PSP·P°ΠῖC-PSPsPj.

PμPsCῑC,PjP°CῥPePμC,ΠēPSPiPsPIC- P·PIC-C,Πē.

P—PIC-C,Πē ΠῖCῥPs ΠῖPsP±C-C†PSC- CῥPμP°PeC†C-C— P· PjPsPjPμPSC,Cῑ PIPēC...PsPrCῑ
PsP»P°PSP·P°ΠῖC-PSCῑ PSP° CῥΠēPSPsPe, CῑPeC- P±CῑP»Πē P·P° C†P°CῑPsPj
ΠῖPsPIBῥ™ CῑP·P°PSC- (P°P»Pμ PSPμ PsP±PsPIBῥ™ CῑP·PePsPIPs CῑΠῖCῥΠēC†ΠēPSPμPSC-) P·
C,PμCῥP°ΠῖC-CῑCῥ PsP»P°PSP·P°ΠῖC-PSPsPj, PIPēP»CῥC†P°P»Πē PSPμPN₂C,CῥPsΠῖPμPSC-Cῥ.

PῑPsPeCῑΠēPePsP»PsPiC-C†PSC- PrPsCῑP»C-PrPῑPμPSPSCῑ PSP° C,PIP°CῥΠēPSP°C....

PμC-Pr C†P°Cῑ PrPsCῑP»C-PrPῑPμPSCῥ PsP»P°PSP·P°ΠῖC-PSCῑ PSP° C,PIP°CῥΠēPSP°C...
PsCῑPSPsPIPSΠēPjΠē PiPμPjP°C,PsP»PsPiC-C†PSPēPjΠē ΠῖPsCῥCῑCēPμPSPSCῑPjΠē P±CῑP»Πē
PsP±PsCῥPsC,PSP° ΠῖPμCῥΠēC,,PμCῥΠēC†PSP° C†ΠēC,PsΠῖPμPSC-Cῑ PI PsPeCῥPμPjΠēC...
PsCῑPsP±ΠēPS CῑPsP±P°Pe ΠῖCῥΠē PrPsP·CῑPIP°PSPSC- 10 PjPi/PePi (Cῑ 17 CῥP°P·C-PI
P±C-P»CHCēPμ P·P° PjP°PeCῑΠēPjP°P»CHPSCῑ CῥPμPePsPjPμPSPPrPsPIP°PSCῑ PrPμPSPSCῑ
ΠῖPμCῥPsCῥP°P»CHPSCῑ PrPsP·Cῑ PrP»Cῑ P»CῥPrΠēPSPē ΠῖCῥΠē CῥPsP·CῥP°C...CῑPSPeCῑ
PrPsP·Πē Cῑ PjPi/Pj² ΠῖPsPIPμCῥC...PSC- C,C-P»P°), PrPsP·PsP·P°P»PμPῑPSPμ P·PSPēPῑPμPSPSCῑ
PeC-P»CHPePsCῑC,C- P»C-PjC,,PsC†ΠēC,C-PI C- PSPμPN₂C,CῥPsC,,C-P»C-PI Cῑ PjΠēCēPμPN₂ C-
P»C-PjC,,PsΠῖPμPSC-Cῑ Cῑ C%oCῑCῥC-PI. Pj PeC-P»CHPePsC... CῑPsP±P°Pe, CῑPeC-
PsC,CῥΠēPjCῑPIP°P»Πē PrPsP·Πē 10 PjPi/PePi, CῥPsP·PIPēPSCῑP»P°CῑCH PsP±PsCῥPsC,PSP°
PSPμPN₂C,CῥPsΠῖPμPSC-Cῑ C,P°/P°P±Ps PsP±PsCῥPsC,PSP° ΠῖPμPjPsP»C-C,ΠēC†PSP°
P°PSPμPjC-Cῑ Cῑ ΠῖPμCῥC-PsPr PjC-Pῑ 1 C- 10 PjC-CῑCῑC†CῑPjΠē P»C-PeCῑPIP°PSPSCῑ.
P°PsP·PsP·P°P»PμPῑPSPμ P·PSPēPῑPμPSPSCῑ PeC-P»CHPePsCῑC,C- P»C-PjC,,PsC†ΠēC,C-PI C-
PSPμPN₂C,CῥPsC,,C-P»C-PI PIC-PrP·PSP°C†P°P»PsCῑCῑ PI PjΠēCēPμPN₂, C%oPs
PsC,CῥΠēPjCῑPIP°P»Πē PrPsP·Cῑ 10 PjPi/PePi (PrPsCῥC-PIPSCHC° PrPIPsCῥP°P·PsPIC-PN₂
PjP°PeCῑΠēPjP°P»CHPSC-PN₂ CῥPμPePsPjPμPSPPrPsPIP°PSC-PN₂ C%oPsPrPμPSPSC-PN₂
ΠῖPμCῥPsCῥP°P»CHPSC-PN₂ PrPsP·C- PrP»Cῑ P»CῥPrΠēPSPē ΠῖCῥΠē CῥPsP·CῥP°C...CῑPSPeCῑ
PrPsP·Πē Cῑ PjPi/Pj² ΠῖPsPIPμCῥC...PSC- C,C-P»P°) Cῑ C...PsPrC- PrPsCῑP»C-PrPῑPμPSCῥ
C,CῥΠēPIP°P»C-CῑC,Cῥ 3 PjC-CῑCῑC†C-. PῑPμCῑΠῖPμC†ΠēC,,C-C†PSP° P»C-PjC,,PsΠῖPμPSC-Cῑ,
PIC-PrΠῖPsPIC-PrPSPs PrPs P·PSPēPῑPμPSPSCῑ ΠῖCῥΠēCῥPsCῑC,Cῑ PjP°CῑΠē C,C-P»P°,
CῑΠῖPsCῑC,PμCῥC-ΠῖP°P»P°CῑCῑ Cῑ C%oCῑCῥC-PI, CῑPeC- PsC,CῥΠēPjCῑPIP°P»Πē PrPsP·Cῑ
22,5 PjPi/PePi (Cῑ 11 CῥP°P·C-PI P±C-P»CHCēPμ P·P° PjP°PeCῑΠēPjP°P»CHPSCῑ

C₇H₁₂PM₂PePsPjPμPSPPrPsPIP°PSCr C%₀₀PsPrPμPSPSCr PīPμC₇H₁₂PsC₇H₁₂P°P»CH₃PSCr PrPsP·Cr PrP»C₁₁
 P»C₇H₁₂PrPēPSPē PīC₇H₁₂Pē C₇H₁₂PsP·C₇H₁₂P°C...CrPSPeCr PrPsP·Pē Cr PjPi/Pj² PīPsPIPμC₇H₁₂C...PSC-
 C,C-P»P°) PīC₇H₁₂PsC,C₁₁PiPsPj 3 PjC-C₇H₁₂C₁₁C₁₁C₁₁C-PI P°P±Ps 16 PjPi/PePi (Cr 8 C₇H₁₂P°P·C-PI
 P±C-P»CH₃CεPμ P·P° PjP°PeC₇H₁₂PjP°P»CH₃PSCr C₇H₁₂PM₂PePsPjPμPSPPrPsPIP°PSCr
 C%₀₀PsPrPμPSPSCr PīPμC₇H₁₂PsC₇H₁₂P°P»CH₃PSCr PrPsP·Cr PrP»C₁₁ P»C₇H₁₂PrPēPSPē PīC₇H₁₂Pē
 C₇H₁₂PsP·C₇H₁₂P°C...CrPSPeCr PrPsP·Pē Cr PjPi/Pj² PīPsPIPμC₇H₁₂C...PSC- C,C-P»P°) PīC₇H₁₂PsC,C₁₁PiPsPj 6
 P°P±Ps 12 PjC-C₇H₁₂C₁₁C₁₁C-PI. P₆C-C₁₁PePēC... PrPsPeP°P·C-PI C₇H₁₂PēC,PsC,PsPeC₇H₁₂PēC₇H₁₂PSC₇H₁₂C,
 PrP»C₁₁ PeC-C₇H₁₂,PePsPIP₃PiPs PjPsP·PeCr PSPμ P±CrP»Ps PrP»C₁₁ P₆PsPrPSP₃PiPs P·
 PIPēPIC₇H₁₂PM₂PSPēC... PIPēPrC-PI. P₆»C-C,PēPSPē PeC-C₇H₁₂,PePsPIP₃PiPs PjPsP·PeCr P±CrP»Pē
 PSP₃C₇H₁₂PjPsC₇H₁₂PM₂P»C₇H₁₂P»C₁₁C₇H₁₂PS- P°P±Ps PiC-PīPμC₇H₁₂C₇H₁₂PM₂P»C₇H₁₂P»C₁₁C₇H₁₂PS-, C%₀₀Ps
 C₇H₁₂PIC-PrC₇H₁₂PēC,CH₃ PīC₇H₁₂Ps C,Pμ, C%₀₀Ps P·PSPēP₆PM₂PSPSC₁₁ C₇H₁₂PēC₇H₁₂PeCrP»C₇H₁₂C₇H₁₂PēC...
 PeP»C-C,PēPS PeC₇H₁₂PsPIC- P±CrP»Ps, P₆PjPsPIC-C₇H₁₂PSPs, PīPsPI₆H₁₂™ C₁₁P·P°PSPs P·
 PīPμC₇H₁₂PēC,,PμC₇H₁₂PēC₇H₁₂PSPēPjPē (PSPμ PīPsPI₆H₁₂™ C₁₁P·P°PSPēPjPē P· PeC-C₇H₁₂,PePsPIPēPj
 PjPsP·PePsPj) C,,P°PeC,PsC₇H₁₂P°PjPē.

P>C-PeP°C₇H₁₂C₇H₁₂PePēP₆ P·P°C₇H₁₂-P± P—PsP»P°C,,C₇H₁₂PM₂PS, C,P°P±P»PμC,PePē, PIPeC₇H₁₂PēC,C-
 PsP±PsP»PsPSPePsC₇H₁₂, PīPs 5 PjPi C,P° PīPs 10 PjPi, PjC-C₇H₁₂,PēC,CH₃ PrPsPīPsPjC-P₆PSCr
 C₇H₁₂PM₂C₇H₁₂PsPIPēPSCr B₇” P±P°C₇H₁₂PIPSPēPe Yellow No.6 Al-Lake (P• 110), C₁₁PePēP₆ PjPsP₆PM₂
 C₇H₁₂PiC₇H₁₂PēC₇H₁₂PēPSC₁₁C,Pē P°P»PμC₇H₁₂PiC-C₇H₁₂PS- C₇H₁₂PM₂P°PeC₇H₁₂-C—.B B

P₆PM₂ P»C-PeP°C₇H₁₂C₇H₁₂PePēP₆ P·P°C₇H₁₂-P± PjC-C₇H₁₂,PēC,CH₃ PjPμPSCεPμ 1 PjPjPsP»CH₃ (23
 PjPi) / PrPsP·Cr PSP°C,C₇H₁₂C-C₇H₁₂, C,PsP±C,Ps PīC₇H₁₂P°PeC,PēC₇H₁₂PSPs PIC-P»CH₃PSPēP₆ PIC-Pr
 PSP°C,C₇H₁₂C-C₇H₁₂.

*P—P°C₇H₁₂,PsC₇H₁₂PIP°PSPSC₁₁ C₇ PīPμC₇H₁₂C-PsPr PIP°PiC-C,PSPsC₇H₁₂,C- P°P±Ps
 PiPsPrC₇PIP°PSPSC₁₁ PiC₇H₁₂C₇PrC₇H₁₂.*

P°C-PrC₇H₁₂CrC,PSC- P°PrPμPePIP°C,PSC- C- PrPsP±C₇H₁₂PM₂ PePsPSC,C₇H₁₂PsP»CH₃PsPIP°PSC-
 PrPsC₇H₁₂P»C-PrP₆PM₂PSPSC₁₁ PrC-C— PsP»P°PSP·P°PīC-PSCr PSP° PIP°PiC-C,PSPēC....
 PμP°C₇H₁₂-C”PSC,PePē PīC-Pr C₇H₁₂P°C₇H₁₂ P»C-PeCrPIP°PSPSC₁₁ PsP»P°PSP·P°PīC-PSPsPj
 PīPsPIPēPSPSC- PīPsPIC-PrPsPjPēC,Pē C₇H₁₂PiPsPiPs P»C-PeP°C₇H₁₂C₇H₁₂ PīC₇H₁₂Ps
 PIP°PiC-C,PSC-C₇H₁₂,CH₃ P°P±Ps PSP°PjC-C₇H₁₂ P·P°PIP°PiC-C,PSC-C,Pē. P₆C₇H₁₂PeC-P»CH₃PePē
 PrPsC₇H₁₂PIC-Pr P»C-PeCrPIP°PSPSC₁₁ PIP°PiC-C,PSPēC... PsP»P°PSP·P°PīC-PSPsPj
 PsP±PjPμP₆PM₂PSPēP₆, PsP»P°PSP·P°PīC-PS Cr PīPμC₇H₁₂C-PsPr PIP°PiC-C,PSPsC₇H₁₂,C-
 PSPμPsP±C...C-PrPSPs P·P°C₇H₁₂,PsC₇H₁₂PsPIC₇H₁₂PIP°C,Pē C,C-P»CH₃PePē C,PsPrC-, PePsP»Pē
 PsC₇H₁₂-PeCrPIP°PSC- C₇H₁₂PM₂·CrP»CH₃C,P°C,Pē PIPēPīC₇H₁₂P°PIP₆PsPIC₇H₁₂,CH₃ PjPsP₆PM₂P»PēPIPēP₆
 C₇H₁₂PēP·PēPe PrP»C₁₁ PīP»PsPrP°.

Pj PSPsPIP₃PSP°C₇H₁₂PsPrP₆PM₂PSPēC..., PjP°C,PμC₇H₁₂- C₁₁PePēC... PīC₇H₁₂PēP₆PM₂PjP°P»Pē
 P°PSC,PēPīC₇H₁₂PēC...PsC,PēPePē (PIPeP»C₇H₁₂C₇H₁₂Pē PsP»P°PSP·P°PīC-PS) PīC₇H₁₂PsC,C₁₁PiPsPj
 III C,C₇H₁₂PēPjPμC₇H₁₂,C₇H₁₂Cr PIP°PiC-C,PSPsC₇H₁₂,C-, C-C₇H₁₂PSC₇H₁₂C” C₇H₁₂PēP·PēPe
 PIPēPSPēPePSPμPSPSC₁₁ PīPsP±C-C₇H₁₂PēC... C₇H₁₂PM₂P°PeC₇H₁₂-P₆, PIPeP»C₇H₁₂C₇H₁₂Pē
 PμPeC₇H₁₂,C₇H₁₂P°PīC-C₇H₁₂P°PjC-PrPSC- PīPsC₇H₁₂CrCεPμPSPSC₁₁ C,P°/P°P±Ps C₇H₁₂PēPSP₆PrC₇H₁₂PsPj
 PIC-PrPjC-PSPē, C₇H₁₂PēPjPīC,PsPjPē C₁₁PePēC... PjPsP₆PM₂CrC,CH₃ PīC-C₇H₁₂P»C₁₁
 PSP°C₇H₁₂PsPrP₆PM₂PSPSC₁₁ P·PjC-PSC₇H₁₂PIP°C,PēC₇H₁₂C₇H₁₂ P·P° C₇H₁₂PēP»PsC₇H₁₂ C,P°
 C,C₇H₁₂PēPIP°P»C-C₇H₁₂,C₇H₁₂. PμPsPIC-PrPsPjP»C₁₁P»Pē PīC₇H₁₂Ps P°P₆PM₂PēC,P°C₇H₁₂-C₇H₁₂,
 P°C₇H₁₂,PμC₇H₁₂-P°P»CH₃PSCr PiC-PīPμC₇H₁₂,PμPSP·C-C₇H₁₂, P°C₇H₁₂,PμC₇H₁₂-P°P»CH₃PSCr
 PiC-PīPsC,PμPSP·C-C₇H₁₂, C,C₇H₁₂PM₂PjPsC₇H₁₂, C₇H₁₂PsPSP»PēPIC-C₇H₁₂,CH₃,
 C₇H₁₂PM₂C₇H₁₂PiC-C₇H₁₂P°C,PsC₇H₁₂PSPēP₆ PrPēC₇H₁₂,C₇H₁₂PM₂C₇H₁₂-C₇H₁₂PēPSP₆PrC₇H₁₂PsPj P°P±Ps C₇H₁₂PsP·P»P°Pr
 C...P°C₇H₁₂C₇H₁₂CrPIP°PSPSC₁₁. P₆PsPjCr PSPμPsP±C...C-PrPSPs C₇H₁₂PM₂,PμP»CH₃PSPs

PePsPSC,ChPsP»CHPIP°C,Pë CÍC,P°PS PSPsPIPsPSP°CHPsPrP¶PµPSPëC....

PµCHPë PrPsCÍP»C-PrP¶PµPSPSC- P·PrPsCHPsPIPëC... P¶C-PSPsPe, C¶PeC- PiPsPrCrPIP°P»Pë
PiCHCrPrPrCH, PsP»P°PSP·P°PiC-PS P±CrP»Ps PIPëC¶PIP»PµPSPs Cr PiCHCrPrPSPsPjCr
PjPsP»PsC†C-. PŸPµCHPµPrPSC¶ PrPsP·P° PrP»C¶ PSPµPjPsPIP»C¶C,Pë (PjPi/PePi) P±PµP·
CHPëP·PëPeCr PrP»C¶ PSCHPsPiPs PsC†C-PSCHPIP°P»P°CÍC¶ C¶Pe 1,8 %
PjP°C,PµCHPëPSCÍCHPePsC— PrPsP·Pë (PjPi/PePi). PµP°C†C-C''PSC,PeP°Pj
CHPµPePsPjPµPSPrCrC''C,CHCÍC¶ PSPµ PiPsPrCrPIP°C,Pë PSPµPjPsPIP»C¶C, PiCHCrPrPrCH,
C¶PeC‰Ps PIPsPSPë PiCHPëPNëPjP°CCH,CCH PsP»P°PSP·P°PiC-PS.

PµPµCHC,PëP»CHPSC-CÍC,CCH. P'PiP»PëPI PSP° C,,PµCHC,PëP»CHPSC-CÍC,CCH
PSPµPIC-PrPsPjPëPNë (PrPsPeP»C-PSC-C†PSC- PrP°PSC- PrPëPI. Cr CHPsP·PrC-P»C-
B«P''PsPeP»C-PSC-C†PSC- PrP°PSC- P· P±PµP·PiPµPePëB» PIPëC‰Pµ).

*P—PrP°C,PSC-CÍC,CCH PIPiP»PëPIP°C,Pë PSP° C¶PIPëPrPeC-CÍC,CCH CHPµP°PeC†C-C— PiCHPë
PePµCHC¿PIP°PSPSC- P°PIC,PsC,CHP°PSCÍPiPsCHC,PsPj P°P±Ps C-PSC¶PëPjPë
PjPµC...P°PSC-P·PjP°PjPë.*

P''PsCÍP»C-PrP¶PµPSCH PIPiP»PëPICr PsP»P°PSP·P°PiC-PSCr PSP° C¶PIPëPrPeC-CÍC,CCH
CHPµP°PeC†C-C— PiCHPë PePµCHCrPIP°PSPSC- P°PIC,PsC,CHP°PSCÍPiPsCHC,PsPj P°P±Ps
CHPsP±PsC,C- P· C-PSC¶PëPjPë PjPµC...P°PSC-P·PjP°PjPë PSPµ PiCHPsPIPsPrPëP»Pë.
PhCÍPeC-P»CHPePë PsP»P°PSP·P°PiC-PS PjPsP¶Pµ CÍPiCHPëC†PëPSPëC,Pë
CÍPsPSP»PëPIC-CÍC,CCH C,P° P·P°PiP°PjPsCHPsC†PµPSPSC¶, PiP°C†C-C''PSC,C-PI CÍP»C-Pr
PiPsPiPµCHPµPrPëC,Pë PiCHPs PSPµP±PµP·PiPµPeCr, PiPsPIB¶™ C¶P·P°PSCr P·
PµPeCÍPiP»CrP°C,P°C†C-C''CH PjPµC...P°PSC-P·PjC-PI, Cr C,. C†.
P°PIC,PsC,CHP°PSCÍPiPsCHC,PSPëC... P·P°CÍPsP±C-PI.

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

P''PsCHPsCÍP»C-.

PëPëP·PsC,,CHPµPSC-C¶. P PµPePsPjPµPSPrPsPIP°PSP° PiPsC†P°C,PePsPIP° PrPsP·P°
PsP»P°PSP·P°PiC-PSCr CÍC,P°PSPsPIPëC,CH 10 PjPi 1 CHP°P· PSP° PrPsP±Cr.

PµP°PSC-P°PeP°P»CHPSC- PµPiC-P·PsPrPë. P PµPePsPjPµPSPrPsPIP°PSP°
PiPsC†P°C,PePsPIP° PrPsP·P° PsP»P°PSP·P°PiC-PSCr C¶Pe PjPsPSPsC,PµCHP°PiC-C—
CÍC,P°PSPsPIPëC,CH B B B B 15 PjPi PSP° PrPsP±Cr P°P±Ps 10 PjPi PSP° PrPsP±Cr
PiCHPë PePsPjP±C-PSPsPIP°PSPsPjCr P»C-PeCrPIP°PSPSC-.

PµCHPsC,,C-P»P°PeC,PëPeP° PiPsPIC,PsCHPSPëC... PSP°PiP°PrC-PI C¿ PiP°C†C-C''PSC,C-PI P·
P±C-PiPsP»C¶ICHPSPëPjPë CHPsP·P»P°PrP°PjPë. P PµPePsPjPµPSPrPsPIP°PSP°
PiPsC†P°C,PePsPIP° PrPsP·P° CÍC,P°PSPsPIPëC,CH 10 PjPi PSP° PrPsP±Cr. PµP°C†C-C''PSC,Pë P·
P±C-PiPsP»C¶ICHPSPëPjPë CHPsP·P»P°PrP°PjPë, C¶PeC- PsC,CHPëPjCrPIP°P»Pë
PsP»P°PSP·P°PiC-PS PrP»C¶ P»C-PeCrPIP°PSPSC¶ PjP°PSC-P°PeP°P»CHPSPëC...
PµPiC-P·PsPrC-PI, PiCHPsPrPsPIP¶CrCHC,CH PsC,CHPëPjCrPIP°C,Pë PsP»P°PSP·P°PiC-PS Cr
C,PsPjCr P¶ PrPsP·CrPIP°PSPSC- C- PrP»C¶ PiCHPsC,,C-P»P°PeC,PëPePë PiPsPIC,PsCHPSPëC...
PSP°PiP°PrC-PI. P—P° CrPjPsPIPë CHPsP·PIPëC,PeCr PSPsPIPsPiPs
PjP°PSC-P°PeP°P»CHPSPsPiPs, PrPµPiCHPµCÍPëPIPSsPiPs 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... PePsCḡPēPiCṛPIP°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·PiP»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·PiPμPePē 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«PḡP°CḡPjP°PePsPrPēPSP°PjC-PeP°B», B«PḡP°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°PiCḡPμCṛPēPIPS- 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,
PīCḡPēPiPSC-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-PsPiCṛP»CHPjPsPSP°P»CHPSPēPNē CēPsPe. P·PμC,P°P»CHPSC- PSP°CṛP»C-PrPePē
PIC-PrP·PSP°C‡P°P»PēCṛCІІ PīCḡPē PiPsCṛC,CḡPsPjCṛ PīPμCḡPμPrPsP·CṛPIP°PSPSC- PSP°
CḡC-PIPS- 450 PjPi, P°P»Pμ P±CṛP»Pē PNē PIPēPīP°PrPePē PIPēP¶PēPIP°PSPSCІІ PīC-CṛP»CІІ
PiPsCṛC,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

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

$P^{\circ}C-P\bar{r}P\bar{e}PsPIC-P\bar{r}PSPs P\bar{r}Ps PeP\gg C-PSC-C\bar{r}PSP\bar{e}C... \bar{P}iC\bar{H}PsC\bar{C}\bar{I}PIC-PI C\bar{I}\bar{P}\gg C-P\bar{r}$
 $PSP^{\circ}P\gg P^{\circ}PiPsP\bar{r}P\bar{e}C, P\bar{e} C\bar{I}\bar{P}\bar{e}PjPiC, PsPjP^{\circ}C, P\bar{e}C\bar{r}PSP_{\mu} P\gg C-PeC\bar{r}PIP^{\circ}PSPSC\bar{C}\bar{I} C, P^{\circ}$
 $PjPsPSC-C, PsC\bar{H}P\bar{e}PSPi P\bar{P}\bar{P}\bar{e}C, C, C''PIP\bar{s} PIP^{\circ}P\bar{P}\bar{P}\gg P\bar{e}PIP\bar{e}C... C, C\bar{r}PSPeC\bar{r}C-P\bar{N}_{\bar{e}},$
 $PIPeP\gg C\bar{H}C\bar{r}P^{\circ}C\bar{H}C\bar{r}P\bar{e} P\gg C-PeC\bar{r}PIP^{\circ}PSPSC\bar{C}\bar{I} P^{\circ}C\bar{H}C, P_{\mu}C\bar{H}C-P^{\circ}P\gg CH\bar{P}SPsC-$
 $PiC-PiPsC, P_{\mu}PSP\cdot C-C- C, P^{\circ} C\bar{r}P\bar{e}C\bar{H}PeC\bar{r}P\gg C\bar{C}\bar{I}C, PsC\bar{H}PSPsC- PSP_{\mu}P\bar{r}PsC\bar{I}\bar{C}, P^{\circ}C, PSPsC\bar{I}\bar{C}, C-, P^{\circ}$
 $C, P^{\circ}PePsP\bar{P} \bar{P}iC-P\bar{r}C, C\bar{H}P\bar{e}PjP^{\circ}PSPSC\bar{C}\bar{I} P\bar{r}P\bar{e}C... P^{\circ}PSPSC\bar{C}\bar{I}. P\bar{K}P_{\mu} C\bar{I}\bar{P}\gg C-P\bar{r}$
 $P\cdot P^{\circ}C\bar{I}\bar{C}, PsC\bar{I}\bar{P}PsPIC\bar{r}PIP^{\circ}C, P\bar{e} P_{\mu}PiC-PSP_{\mu}C, C\bar{H}P\bar{e}PS, P\bar{r}PsPiP^{\circ}PjC-PS C, P^{\circ} C-PSC\bar{e}C-$
 $C\bar{I}\bar{P}\bar{e}PjPiP^{\circ}C, PsPjC-PjP_{\mu}C, P\bar{e}PeP\bar{e} P\cdot P\bar{r}C-C''C\bar{H}, C... P^{\circ}C\bar{H}P^{\circ}PeC, P_{\mu}C\bar{H}PSPsC\bar{H} P\bar{r}P\gg C\bar{C}\bar{I} P\pm P_{\mu}C, P^{\circ}-$
 $P^{\circ}PiPsPSC-C\bar{I}\bar{C}, C-PI, PsC\bar{I}\bar{P}eC-P\gg CH\bar{P}eP\bar{e} P\pm P_{\mu}C, P^{\circ}-C\bar{I}\bar{C}, P\bar{e}PjC\bar{r}P\gg C\bar{C}\bar{I}C\bar{r}C-C\bar{C}\bar{I} PjPsP\bar{P}\bar{P}_{\mu}$
 $\bar{P}iPsPiC-C\bar{H}C\bar{e}P\bar{e}C, P\bar{e} \bar{P}iC\bar{H}PsC\bar{C}\bar{I}PIP\bar{e} PiC-PiPsC, PsPSC-C-. P''P\gg C\bar{C}\bar{I} PIP\bar{e}C\bar{C}\bar{I}PIP\gg P_{\mu}PSPSC\bar{C}\bar{I}$
 $PjPsP\bar{P}\bar{P}\gg P\bar{e}PIP\bar{e}C... P^{\circ}C\bar{H}P\bar{e}C, PjC-P\bar{N}_{\bar{e}} PSP_{\mu}PsP\pm C... C-P\bar{r}PSP\bar{e}P\bar{N}_{\bar{e}} PjPsPSC-C, PsC\bar{H}P\bar{e}PSPi$
 $C\bar{I}\bar{P}_{\mu}C\bar{H}C\bar{r}P_{\mu}PIPs-C\bar{I}\bar{C}\bar{r}P\bar{r}P\bar{e}PSPSPsC- C\bar{I}\bar{P}\bar{e}C\bar{I}\bar{C}, P_{\mu}PjP\bar{e}. P P_{\mu}C, P_{\mu}P\gg CH\bar{P}SP\bar{e}P\bar{N}_{\bar{e}}$
 $PjP_{\mu}P\bar{r}P\bar{e}C\bar{r}PSP\bar{e}P\bar{N}_{\bar{e}} PSP^{\circ}PiP\gg C\bar{C}\bar{I}P\bar{r} C, P^{\circ} PjPsPSC-C, PsC\bar{H}P\bar{e}PSPi \bar{P}iPsPIP\bar{e}PSP_{\mu}PS C, C\bar{H}P\bar{e}PIP^{\circ}C, P\bar{e}$
 $P\bar{r}Ps \bar{P}iPsPIPSPsPiPs PsP\bar{r}C\bar{r}P\bar{P}\gg P^{\circ}PSPSC\bar{C}\bar{I} \bar{P}iP^{\circ}C\bar{r}C-C''PSC, P^{\circ}.$

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

$P\bar{K}P^{\circ}P\bar{N}_{\bar{e}}C\bar{r}P^{\circ}C\bar{I}\bar{C}, C-C\bar{e}P\bar{e}PjP\bar{e} \bar{P}iPsP\pm C-C\bar{r}PSP\bar{e}PjP\bar{e} C\bar{H}P_{\mu}P^{\circ}PeC\bar{r}C-C\bar{C}\bar{I}PjP\bar{e}$
 $(C\bar{I}\bar{P}iPsC\bar{I}\bar{C}, P_{\mu}C\bar{H}C-PiP^{\circ}P\gg P\bar{e}C\bar{I}\bar{C}\bar{C}\bar{I} C\bar{r} \geq 1 \% \bar{P}iP^{\circ}C\bar{r}C-C''PSC, C-PI), \bar{P}iPsPi\bar{B}\bar{H}^{\text{TM}} C\bar{C}\bar{I}P\cdot P^{\circ}PSP\bar{e}PjP\bar{e}$
 $C-P\cdot P\cdot P^{\circ}C\bar{I}\bar{C}, PsC\bar{I}\bar{C}\bar{r}PIP^{\circ}PSPSC\bar{C}\bar{I}Pj PsP\gg P^{\circ}PSP\cdot P^{\circ}\bar{P}iC-PSC\bar{r} PI C...PsP\bar{r}C- PeP\gg C-PSC-C\bar{r}PSP\bar{e}C...$
 $P\bar{r}PsC\bar{I}\bar{P}\gg C-P\bar{r}P\bar{P}\bar{P}_{\mu}PSC\bar{H}, P\pm C\bar{r}P\gg P\bar{e} C, P^{\circ}PeC-: C\bar{I}\bar{P}PsPSP\gg P\bar{e}PIC-C\bar{I}\bar{C}, CH,$
 $P\cdot P\pm C-P\gg CH\bar{C}\bar{e}P_{\mu}PSPSC\bar{C}\bar{I} PjP^{\circ}C\bar{I}\bar{P}\bar{e} C, C-P\gg P^{\circ}, P_{\mu}PsP\cdot P\bar{e}PSPsC, C-P\gg C-C\bar{C}\bar{I},$
 $PiC-P\bar{r}PIP\bar{e}C\%_{\circ}P_{\mu}PSPSC\bar{C}\bar{I} C\bar{H}C-PIPSC-PI \bar{P}iC\bar{H}PsP\gg P^{\circ}PeC, P\bar{e}PSC\bar{r}, C...PsP\gg P_{\mu}C\bar{I}\bar{C}, P_{\mu}C\bar{H}PsP\gg C\bar{r}$
 $(C...PsP\gg P_{\mu}C\bar{I}\bar{C}, P_{\mu}C\bar{H}P\bar{e}PSC\bar{r}), PiP\gg C\bar{H}PePsP\cdot P\bar{e} C, P^{\circ} C, C\bar{H}P\bar{e}PiP\gg C-C\bar{r}P_{\mu}C\bar{H}P\bar{e}P\bar{r}C-PI C\bar{r}$
 $PeC\bar{H}PsPIC-, PiP\gg C\bar{H}PePsP\cdot C\bar{r}C\bar{H}C-C\bar{C}\bar{I}, PiC-P\bar{r}PIP\bar{e}C\%_{\circ}P_{\mu}PSPSC\bar{C}\bar{I} P^{\circ}\bar{P}iP_{\mu}C, P\bar{e}C, C\bar{r},$
 $P\cdot P^{\circ}\bar{P}iP^{\circ}PjPsC\bar{H}PsC\bar{r}P_{\mu}PSPSC\bar{C}\bar{I}, P^{\circ}PeP^{\circ}C, P\bar{e}P\cdot C-C\bar{C}\bar{I}, \bar{P}iP^{\circ}C\bar{H}PeC-PSC\bar{I}\bar{P}PsPSC-P\cdot Pj,$
 $P\gg P_{\mu}P\bar{N}_{\bar{e}}PePsPiP_{\mu}PSC-C\bar{C}\bar{I}, PSP_{\mu}P\bar{N}_{\bar{e}}C, C\bar{H}PsPiP_{\mu}PSC-C\bar{C}\bar{I}, P\bar{r}P\bar{e}C\bar{I}\bar{P}eC-PSP_{\mu}P\cdot C-C\bar{C}\bar{I},$
 $PsC\bar{H}C, PsC\bar{I}\bar{C}, P^{\circ}C, P\bar{e}C\bar{r}PSP^{\circ} PiC-PiPsC, P_{\mu}PSP\cdot C-C\bar{C}\bar{I}, P^{\circ}PSC, P\bar{e}C...PsP\gg C-PSP_{\mu}C\bar{H}PiC-C\bar{r}PSC-$
 $P_{\mu}C, P_{\mu}PeC, P\bar{e}, C, C\bar{H}P^{\circ}PSP\cdot P\bar{e}C, PsC\bar{H}PSP_{\mu} P^{\circ}C\bar{I}\bar{P}\bar{e}PjPiC, PsPjP^{\circ}C, P\bar{e}C\bar{r}PSP_{\mu}$
 $\bar{P}iC-P\bar{r}PIP\bar{e}C\%_{\circ}P_{\mu}PSPSC\bar{C}\bar{I} \bar{P}iP_{\mu}C\bar{r}C-PSPePsPIP\bar{e}C... C, C\bar{H}P^{\circ}PSC\bar{I}\bar{P}^{\circ}PjC-PSP^{\circ}P\cdot (P\bar{r}P\bar{e}PI.$
 $C\bar{H}PsP\cdot P\bar{r}C-P\gg B\ll PhC\bar{I}\bar{P}PsP\pm P\gg P\bar{e}PIPsC\bar{I}\bar{C}, C- P\cdot P^{\circ}C\bar{I}\bar{C}, PsC\bar{I}\bar{C}\bar{r}PIP^{\circ}PSPSC\bar{C}\bar{I}B\gg),$
 $PIP\bar{e}C\bar{I}\bar{P}\bar{e}PiP^{\circ}PSPSC\bar{C}\bar{I}, P^{\circ}C\bar{I}\bar{C}, P_{\mu}PSC-C\bar{C}\bar{I}, PiC-P\bar{r}PIP\bar{e}C\%_{\circ}P_{\mu}PSP^{\circ} PIC, PsPjP\gg C\bar{H}PIP^{\circ}PSC-C\bar{I}\bar{C}, CH,$
 $PiC-PiP_{\mu}C\bar{H}C, P_{\mu}C\bar{H}PjC-C\bar{C}\bar{I}, P^{\circ}C\bar{H}C, C\bar{H}P^{\circ}P\gg PiC-C\bar{C}\bar{I}, PiC-P\bar{r}PIP\bar{e}C\%_{\circ}P_{\mu}PSPSC\bar{C}\bar{I} C\bar{H}C-PIPSC\bar{C}\bar{I}$
 $P^{\circ}P\gg PeP^{\circ}P\gg C-PSC, PsC\bar{I}\bar{C}, P^{\circ}C, P^{\circ}P\cdot P\bar{e}, \bar{P}iP^{\circ}PjPjP^{\circ}-PiP\gg C\bar{r}C, P^{\circ}PjC-P\gg C, C\bar{H}P^{\circ}PSC\bar{I}\bar{C}, P_{\mu}C\bar{H}P^{\circ}P\cdot P\bar{e},$
 $C\bar{I}\bar{P}_{\mu}C\bar{r}PsPIPsC- PeP\bar{e}C\bar{I}\bar{P}\gg PsC, P\bar{e}, PeC\bar{H}P_{\mu}P^{\circ}C, P\bar{e}PSC, PsC\bar{I}\bar{C}, PsPeC-PSP^{\circ}P\cdot P\bar{e} C, P^{\circ}$
 $PSP^{\circ}P\pm C\bar{H}C\bar{C}\bar{I}PeP\bar{e}.$

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

РiРsCfГC,РjР°CГjРeРμC,РeРSPiРsPiРsPiРs РrРsCГfPIC-PrCf.

Р\$Р°CГC,РsC,Р° РeР»Р°CГРeC,,C-РeCГC”C,CHCГfCЦ C,Р°РeРeРj C±РeРSPsРj: РrCfРμРμ C±Р°CГC,Рs (≥ 1/10), C±Р°CГC,Рs (≥ 1/100 C,Р° < 1/10), PSPμC±Р°CГC,Рs (≥ 1/1000 C,Р° < 1/100), CГC-PrРeРs (≥ 1/10000 C,Р° < 1/1000), РrCfРμРμ CГC-PrРeРs (< 1/10000), C±Р°CГC,РsC,Р° PSPμPIC-PrРsРjР° (C±Р°CГC,РsC,Cr PSPμ РjРsРμPSP° PICГC,Р°PSPsPiРeC,Рe PSP° РsCГfPSPsPIC-PSP°CЦPIPSРeC... РrР°PSPeC...).

РyР°Р±Р»РeCГCЦ 1.

Р°CfРμРμ C±Р°CГC,Рs	Р\$Р°CГC,Рs	РkРμC±Р°CГC,Рs	Р C-PrРeРs	Р\$Р°CГC,РsC,Р° PSPμPIC-PrРsРjР°
Р— Р±РsРeCf CГРeCГC,РμРjРe РeCГsPiРsC,PIPsCГjРμPSPSCЦB C,Р° Р»C-РjC,Р°C,РeC±PSPsC— CГРeCГC,РμРjРe	Р°РsР-РeРSPsC,,C-Р»C-ЦЦ РμРμРeРeРsРiРμPSC-ЦЦ ¹⁰	B	РyCГsРjР±РsCГРeC,РsРiРμ-РSC-ЦЦ ¹¹	
Р— Р±РsРeCf C-РjCfPSPSPsC— CГРeCГC,РμРjРe	РkРμРμC,CHsРiРμPSC-ЦЦ ¹⁰			
Р— Р±РsРeCf РsРjC-РSCf CГjC±РsPiРeРs C,Р° CГsР-Р»Р°РrРe C,CHР°PiР»РμPSPSCЦ	Р°C-PrPiРeC%РμPSPSCЦ CГC-PIPSЦ	Р°C-РiРμCГCГCfC,Р»РePIC-ГfC,CH ¹¹		
Р— Р±C-Р»CHCРμPSPSCЦ РjР°CГРe C,C-Р»Р° ¹	РμC-PrPiРeC%РμPSPSCЦ CГC-PIPSЦ C...РsР»РμCГC,РμCГРePSCf ^{2,3} РμC-PrPiРeC%РμPSPSCЦ CГC-PIPSЦ PiР»CHРeРsР-Рe ⁴ РμC-PrPiРeC%РμPSPSCЦ CГC-PIPSЦ C,CHРeРiР»C-ГfРμCГРeРrC-PI ^{1,5} , PiР»CHРeРsР-CfCГC-ЦЦ, PIC-PrPiРeC%РμPSPSCЦ РiРμC,РeC,Cf	РsР-PIРeC,РsРe Р°Р±Рs Р°РiРsCГC,CHРμPSPSCЦ PrC-Р°Р±РμC,Cf,B Р°CГsCГC-РμРsPiР°PSPsPiРs Р- РeРμC,РsР°CГРeРrРsР-РsРj Р°Р±Рs РeРsРjРsCГ, PiРeР»CГCГfCГCГРe Р»РμC,Р°Р»CHРSC- PSP°CГР»C-PrРeРe ¹¹	Р°C-РiРsC,РμCГjРC-ЦЦ ¹²	
Р— Р±РsРeCf PSPμCГjPiРsPiРsC— CГРeCГC,РμРjРe	Р— Р°PiР°РjРsCГsCГРμPSPSCЦ, Р°РeР°C,РeР-C-ЦЦ ⁶ , PiР°CГРeC-РSCfРsPSC-Рj ⁶ , PrРeCГРeC-РSPμP-C-ЦЦ ⁶	Р°PiC-Р»РμPiC,РeC±PSC- PSP°PiР°РrРe, CЦРeC%Рs PiРsPSPe Р±CfР»Рe Рi Р°PSP°РjPSPμP-C- Р°Р±Рs Р±CfР»Рe PSP°CЦPIPS- C,Р°РeC,РsCГРe CГРeР-РeРeCf ¹¹ , PrРeCГC,РsPSC-ЦЦ (PiРeР»CГC±PSPs Р- РsРeCfР»CЦCГsРeРj CГРeРjPiC,РsРjРsРj) ¹¹ , PiC-Р-РSCЦ PrРeCГРeC-РSPμP-C-ЦЦ ¹¹ , Р°РjPSPμP-C-ЦЦ ⁷ , PrРeР°C-Р°CГC,CHC-ЦЦ, CГРeРSPPrCГsРj PSPμCГfPiРsРeC-РμPSPeC... PSC-Рi	РkРμРμCГsРsР»РμPiC,РeC±PSPeРμ Р»РsCЦРeC-ГfPSPeРμ CГРePSPPrCГsРj ¹² (PrРePi. CГsР-PrC-Р» B«PhCГsР±Р»РePiРsCГC,C- Р°CГC,РsCГCfPiР°PSPSCЦB»), CГРePSPPrCГsРj PiC-PrРjC-РSPe ^{7,12}	
Р— Р±РsРeCf CГРeCГC,РμРjРe PrРeC...PSPSCЦ, РsCГjPiР°PSC-Рi PiCГCfPrPSPsC— РeР»C-C,РeРe C,Р° CГРμCГjРμPrРsCГC,C-PSPSCЦ		РμCГsPiРsC,РμCГР° Р- PSPsCГР° ³		
Р— Р±РsРeCf CГРμCГCfРμPiРsC— CГРeCГC,РμРjРe		Р°CГР°PrРeРeР°CГРrC-ЦЦ, PiCГsРsР»PSPPiР°CГC-ЦЦ, C-PSC,РμCГPiР°Р»Cf QТcr (PrРePi. CГsР-PrC-Р» B«PhCГsР±Р»РePiРsCГC,C- Р°CГC,РsCГCfPiР°PSPSCЦB»)	Р°РμPSC,CHРeРeCfР»CЦCГsРSP° C,Р°C...C-РeР°CГРrC-ЦЦ/ C,C-Р±CГРeР»CЦCГC-ЦЦ, CГР°PiC,РsPiРeРμ Р»РμC,Р°Р»CHРSPeРμ PSP°CГР»C-PrРsРe ¹¹ (PrРePi. CГsР-PrC-Р» B«PhCГsР±Р»РePiРsCГC,C- Р°CГC,РsCГCfPiР°PSPSCЦB»)	
Р— Р±РsРeCf CГCfPrРePSPSPsC— CГРeCГC,РμРjРe	PhCГC,РsCГC,Р°C,РeC±PSP° PiC-РiРsC,РμPSP-C-ЦЦ ¹⁰	РyCГsРjР±РsРμРjР±РsР»C-ЦЦ (PiРeР»CГC±Р°CГCГРe РμРjР±РsР»C-CH Р»РμРiРμPSPμPiРsC— Р°CГC,РμCГC-C—C,Р° C,CHsРjР±РsР-РiР»РeР±РsРeРeC... PiРμP) (PrРePi. CГsР-PrC-Р» B«PhCГsР±Р»РePiРsCГC,C- Р°CГC,РsCГCfPiР°PSPSCЦB»)		
Р— Р±РsРeCf CРeР»CfPSPeРsPiРs-РeРeCРeРsPiРsPiРs C,CHР°РeC,Cf	Р-РμPiРeC-, C,РeРjCГfCГРsPiC- Р°PSC,РeC...РsР»C-РSPμCГjPiC-CHPSC- РμC,РμРeC,Рe, PiРeР»CГCГfCГCРe Р°РiРsCГРe C,Р° CГCГC...C-ГfC,CH Cf CГsРC,C-	Р— PrCГC,C,ЦЦ РμРePiРsC,Р° Р°C-РiРμCГCfРμРeCГjPiCГC-ЦЦ сР»РePSPsPiРePrC-Р»РμPSPSCЦ ¹¹	РμР°PSPeCГjРμР°C,РeC,Рe ¹¹	
Р— Р±РsРeCf PiРμPiР°C,РsР±C-Р°C-Р°CГjPSPsC— CГРeCГC,РμРjРe	РyCГР°PSP-РeC,РsCHPSC-, Р°CГРeРjPiC,РsРjР°C,РeC±PSC- РeРsР»РePiР°PSPSCЦ CГC-PIPSC-Рi РiРμCГC-РSPeРsPiРeC... C,CHР°PSPCГfРjC-РSP°Р- (РhР»РhРy C,Р° РhCГРhРy), РsCГsР±Р»РePiРs PSP° РiРsCГР°C,РeCf Р»C-РeCfPiР°PSPSCЦ, РiРμCГjРeC,РμCГjРeC±PSC- PSP°Р±CГЦРeРe (PrРePi. CГsР-PrC-Р» B«PhCГsР±Р»РePiРsCГC,C- Р°CГC,РsCГCfPiР°PSPSCЦB»)			
Р— Р±РsРeCf CРeРeC-CHРe C,Р° C— РiРsC...C-PrPSPeC...	Р°РeCГРePiРe	Р РμР°РeCГC— CГPIC-C,Р»РsCГCfC,Р»РePiРsCГC,C-, Р»РsР»PSPiРμCГC-ЦЦ	РμРμPrРeРeР°РjРμPSC,РsР-РSP° CГjРμР°РeCГC-ЦЦ Р- РμРsР-РePSPsC,,C-Р»C-СГC,C,Р° CГРeCГC,РμРjPSPeРjРe CГРeРjPiC,РsРjР°РjРe (DRESS)	
Р— Р±РsРeCf CГРeРμР»РμC,РSPs-РjеГ”CЦР-РsPiРsC— C,Р° CГРiРsР»CfC±PSPsC— CГРeCГC,РμРj	PhCГC,CHР°Р»PiC-ЦЦ ⁸		Р Р°Р±PrРsРjC-РsР»C-Р ¹¹	
Р— Р±РsРeCf PSPeCГsРe C,Р° CГРμC±РsPiРePrC-Р»CHPSPsC— CГРeCГC,РμРjРe		РkРμC,CHРeРjР°PSPSCЦ CГРμCГC-, Р°C,CHРeРjРeР° CГРμCГC-, CfC,CHCfPrPSPμPSPμ CГРμC±РsPiРePiCfCГРeР°PSPSCЦ ¹¹		
Р°РiC-C,PSC-CГC,CH, PiC-CГР»CЦCГsРrРsPiРeРμ C,Р° РiРμCГjРePSP°C,Р°Р»CHPSPeРμ РiРμCГC-РsPr				РyРePSPPrCГsРj PiC-PrРjC-РSPe CГ PSPsPiРsPSP°CГsРrРμРμ- PSPeC... (PrРePi. CГsР-PrC-Р» B«Р—Р°CГC,РsCГCfPiР°PSPSCЦ CГ РiРμCГC-РsPr PiР°PiC-C,РSPsCГC,C- Р°Р±Рs PiРsPrCfPiР°PSPSCЦ PiCГCfPrCГB»)
Р— Р±РsРeCf CГjРμPiCГjРsPrCГРeC,РePiPSPsC— CГРeCГC,РμРjРe C,Р° РjРsР»PSC±PSPeC... 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-Cl ₁ Cf C ₇ P ₆ P·P ₆ PIC- ₆ PeC-PI, P·PSP ₆ P ₁ P ₆ PSPSC ₁ P·C-P±C-PrP ₆ Cf P ₁ C- ₆ PSP ₆ Pe C, P° C ₇ P ₆ P·P ₆ PIC- ₆ PeC-PI	P ₇ P ₁ P ₆ PSP ₆ C ₇ P ₁ Cl ₁ ; P·P±C-P·C ₇ H ₂ PeP ₆ PSPSC ₁ P ₁ C ₇ C ₇ PrP ₁ P ₆ ; P ₁ P°P·P°PeC, P ₆ C ₇ P ₁ Cl ₁ Cf P ₁ C- ₆ PSP ₆ Pe; B P ₁ C- ₆ PSP ₁ PeP ₆ P ₁ P°C ₇ C, C-Cl ₁ / P·P±C-P·C ₇ H ₂ PeP ₆ PSPSC ₁ P ₁ C ₇ C ₇ PrP ₁ P ₆ Cf C ₇ P ₆ P·P ₆ PIC- ₆ PeC-PI	P ₁ Cl ₁ 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 ₁				
	P ₇ C ₇ C, P ₁ PSC-Cl ₁ P ₁ C-PrP ₁ P ₆ C ₇ P ₆ PSP° P ₁ C, P ₆ P ₁ P·C ₇ H ₂ P ₁ PSC-C ₇ C, C ₇ H, PSP°P±C ₇ Cl ₁ PeP ₆ , P ₁ C-C ₇ P ₁ PeC ₇ C-Cl ₁ ¹⁰			
P°C-P°P ₁ PSP ₆ C ₇ C, P ₆ C ₇ PSC- PrP ₆ C ₇ P·C-PrP ₁ P ₆ PSPSC ₁	P ₁ C-PrP ₁ P ₆ C ₇ P ₆ PSPSC ₁ C ₇ C-PIPSC ₁ P·C ₇ P ₁ 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°PSC ₁ C, P ₁ C ₇ P°P·P ₆ ¹⁰ , C ₇ P ₁ C ₇ P ₁ PSC- PeP ₆ C ₇ P·P ₆ C, P ₆ ¹⁰	P ₁ C-PrP ₁ P ₆ C ₇ P ₆ PSPSC ₁ P·P°P ₁ P°P·C ₇ H ₂ PSP 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·C₇H₂PeP₆PSPSC₁ P₁P°C₇P₆ C, C-P·P°
C₇P₁P₆C₇C, P₁Cl₁C-P₁P°P·P₆P₁P₆C₇C PI C₇C₇C-C... PeP°C, P₁P₁P₆C₇C-PN₆ P₁P°C₇C-C°PSC, C-PI P·P°
P₁P₆P₁P₆ (C-PSP₁P₁PeC₇ P₁P°C₇P₆ C, C-P·P°). P₁C-C₇P·C₇Cl₁ PeP₆C₇P₆C, PeP₆C₇P°C₇PSP₆P₁P₆
P·C-PeC₇P₁P°PSPSC₁ (C₇P₁C₇P₁PrPSC₁ C, C₇P₆P₁P°P·C-C₇C, C₇H C₇C, P°PSP₆P₁P₆P·P° 47
PrPSC-PI) P·P±C-P·C₇H₂PeP₆PSPSC₁ P₁P°C₇P₆ C, C-P·P° PSP° ≥ 7 %
C₇P₁P₆C₇C, P₁Cl₁C-P₁P°P·P₆P₁P₆C₇C PrC₇P₁P₆ C₇P°C₇C, P₆ (22,2 % P₁P₆P₁P°PrP₆C-PI), ≥ 15 %
C₇P₁P₆C₇C, P₁Cl₁C-P₁P°P·P₆P₁P₆C₇C C₇P°C₇C, P₆ (4,2 % P₁P₆P₁P°PrP₆C-PI), ≥ 25 %
C₇P₁P₆C₇C, P₁Cl₁C-P₁P°P·P₆P₁P₆C₇C PSP₁C₇P°C₇C, P₆ (0,8 % P₁P₆P₁P°PrP₆C-PI). P₁
P₁P°C₇C-C°PSC, C-PI, C₇PeC- P₆C, C₇P₆P₁C₇P₁P°P·P₆ C, C₇P₆P₁P°P·C₇C, P₁Cl₁C-P₁P°P·C₇H₂PeP₆PSPSC₁
(P₁C₇P₆PSP°PN₆P₁PSC- P₁C₇P₆C, C₇P₁P₆P₁ B 48 C, P₆P₁PSC-PI), P·P±C-P·C₇H₂PeP₆PSPSC₁
P₁P°C₇P₆ C, C-P·P° PSP° ≥ 7 %, ≥ 15 %, ≥ 25 % C₇P₁P₆C₇C, P₁Cl₁C-P₁P°P·P₆P₁P₆C₇C PrC₇P₁P₆
C₇P°C₇C, P₆ (C₇ 64,4 %, 31,7 %, 12,3 % P₁P₆P₁P°PrP₆C-PI P₁C-PrP₁P₆P₁C-PrPSP₆).

² P₇P₁P₆C₇P₁PrPSC° P₁C-PrP₁P₆C₇P₆PSPSC₁ C₇C-PIPSC₁ P·C-P₁C-PrC-PI PSP°C, C₇P₆P₁
(P·P°P₁P°P·C₇H₂PSP₆PN₆ C...P₆P·P₁C₇C, P₁Cl₁P₆P₆», P·P₁P₆P₁P° 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, PeC₇
PSP₁ C₇P₁P₆C₇C, P₁Cl₁C-P₁P°P·P₆P₁P₆C₇C P·C-P₁C-PrPSP₆C— PrP₆P·C₇P₁P₆P₁C₇P·C₇C₇C—.

³ P₇P₁P₆C₇C, P₁Cl₁C-P₁P°P·P₆P₁P₆C₇C C₇ P₁P°C₇C-C°PSC, C-PI P· PSP₆C₇P₁P°P·C₇H₂PSP₆P₁
P₁P₆C₇P°C, PeP₆P₁P₆P₁ C₇C-PIPSP₁P₁ PSP°C, C₇P₆P₁ (< 5,17 P₁P₆P₁P₆»C₇H/P»), C₇PeP₆PN₆
P₁C-PrP₁P₆C₇C₇P₁P°P₁C₇C PrP₆ P₁P₆C₇P₆PeP₆P₁P₆ (≥ 6,2 P₁P₆P₁P₆»C₇H/P»). P°C₇P₁P₆
C₇P°C₇C, P₆ P₁P₆P₁C-PrP₆P₁P·C₇Cl₁P·P₆P₁P₆C₇C P₁C₇P₆ C₇C-P·PeP₁ P₁C-PrP₁P₆C₇P₆PSPSC₁
C₇C-PIPSC₁ P·P°P₁P°P·C₇H₂PSP₆P₁P₆ C...P₆P·P₁C₇C, P₁Cl₁P₆P₆»C₇ PSP°C, C₇P₆P₁ P·
P₁P₆C₇P°C, PeP₆P₁P₆P₁P₆ C₇C-PIPSC₁ (≥ 5,17 P₁P₆ < 6,2 P₁P₆P₁P₆»C₇H/P») PrP₆ P₁P₆C₇P₆PeP₆P₁P₆
C₇C-PIPSC₁ (≥ 6,2 P₁P₆P₁P₆»C₇H/P»).

⁴ P₇P₁P₆C₇C, P₁Cl₁C-P₁P°P·P₆P₁P₆C₇C C₇ P₁P°C₇C-C°PSC, C-PI P· PSP₆C₇P₁P°P·C₇H₂PSP₆P₁
P₁P₆C₇P°C, PeP₆P₁P₆P₁ C₇C-PIPSP₁P₁ PSP°C, C₇P₆P₁ (< 5,56 P₁P₆P₁P₆»C₇H/P»), C₇PeP₆PN₆
P₁C-PrP₁P₆C₇C₇P₁P°P₁C₇C PrP₆ P₁P₆C₇P₆PeP₆P₁P₆ (≥ 7 P₁P₆P₁P₆»C₇H/P»). P°C₇P₁P₆
P₁P₆P₁C-PrP₆P₁P·C₇Cl₁P·P₆P₁P₆C₇C P₁C₇P₆ C₇C-P·PeP₁ P₁C-PrP₁P₆C₇P₆PSPSC₁ C₇C-PIPSC₁
P₁P·C₇PeP₆P·P₆ PSP°C, C₇P₆P₁ P· P₁P₆C₇P°C, PeP₆P₁P₆P₁P₆ C₇C-PIPSC₁ (≥ 5,56 P₁P₆ < 7
P₁P₆P₁P₆»C₇H/P») PrP₆ P₁P₆C₇P₆PeP₆P₁P₆ C₇C-PIPSC₁ (≥ 7 P₁P₆P₁P₆»C₇H/P»).

⁵ P₇P₁P₆C₇C, P₁Cl₁C-P₁P°P·P₆P₁P₆C₇C C₇ P₁P°C₇C-C°PSC, C-PI P· PSP₆C₇P₁P°P·C₇H₂PSP₆P₁
P₁P₆C₇P°C, PeP₆P₁P₆P₁ C₇C-PIPSP₁P₁ PSP°C, C₇P₆P₁ (< 1,69 P₁P₆P₁P₆»C₇H/P»), C₇PeP₆PN₆
P₁C-PrP₁P₆C₇C₇P₁P°P₁C₇C PrP₆ P₁P₆C₇P₆PeP₆P₁P₆ (≥ 2,26 P₁P₆P₁P₆»C₇H/P»). P°C₇P₁P₆
C₇P°C₇C, P₆ P₁P₆P₁C-PrP₆P₁P·C₇Cl₁P·P₆P₁P₆C₇C P₁C₇P₆ C₇C-P·PeP₁ P₁C-PrP₁P₆C₇P₆PSPSC₁
C₇C-PIPSC₁ C, C₇P₆P₁P·C-C₇P₁C₇P₆PrC-PI PSP°C, C₇P₆P₁ P· P₁P₆C₇P°C, PeP₆P₁P₆P₁P₆
C₇C-PIPSC₁ (≥ 1,69 P₁P₆ < 2,26 P₁P₆P₁P₆»C₇H/P») PrP₆ P₁P₆C₇P₆PeP₆P₁P₆ C₇C-PIPSC₁ (≥ 2,26
P₁P₆P₁P₆»C₇H/P»).

⁶ P₁C-Pr C₇P°C₇ PeP·C-PSC-C₇PSP₆C... PrP₆C₇P·C-PrP₁P₆P₁PSC₇ C₇P°C₇C, P₆C, P°

PIPëPSPëPePSPµPSPSCİİ PİP°CĤPeC-PSCİPSPSC-P·PjCř C- PrPëCİC,PsPSC-C— Cř
PİP°C†C-C"PS C,PI, CİPeC- PsC,CĤPëPjCřPIP°P»Pë P»C-PeCřPIP°PSPSCİİ
PsP»P°PSP·P°PİC-PSPsPj, P±CřP»P° PIPëC%P°, PSC-P¶ Cř C...PsPrC- PrPsCİP»C-PrP¶PµPSCĤ
PİP»P°C†PµP±Ps, P°P»Pµ PeP»C-PSC-C†PSPs PSPµP·PSP°C†PSPs. PŞP°CİC,PsC,P°
PIPëPSPëPePSPµPSPSCİİ PİP°CĤPeC-PSCİPSPSC-P·PjCř, P°PeP°C,PëP·C-C— C-
PrPëCİC,PsPSC-C— Cř PİP°C†C-C"PS C,PI, CİPeC- PsC,CĤPëPjCřPIP°P»Pë
P»C-PeCřPIP°PSPSCİİ PsP»P°PSP·P°PİC-PSPsPj, P±CřP»P° PSPëP¶C†P°, PSC-P¶ PİCĤPë
P·P°CİC,PsCİCřPIP°PSPSC- C,PëC,CĤPsPIP°PSPëC... PrPsP· PİP°P»PsPİPµCĤPëPrPsP»Cř.
PŞPµCĤPµP· PIC-PrCİCřC,PSC-CİC,CH C-PSC,,PsCĤPjP°C†C-C— PİCĤPs PSP°CİPIPSC-CİC,CH
PI P°PSP°PjPSPµP·C- PİPsCİC,CĤPëC... P°P±Ps PİC-P·PSC-C...
PµPeCİC,CĤP°PİC-CĤP°PjC-PrP°P»CHPSPëC... CĤCřC...PsPIPëC... PİPsCĤCřCëPµPSCĤ PSPµ
PjPsP¶PSP° PICİC,P°PSPsPIPëC,Pë, C%Ps PsP»P°PSP·P°PİC-PS PjPµPSCëPµ
CİPİCĤPëC†PëPSCİC" PİC-P·PSCĤ PrPëCİPeC-PSPµP·C-CĤ C,P°/P°P±Ps C-PSCëC- PİC-P·PSC-
PµPeCİC,CĤP°PİC-CĤP°PjC-PrP°P»CHPSC- CİPëPSPřCĤPsPjPë.

⁷ Pj CĤP°P·C- CĤC-P·PePsPiPs PİCĤPëPİPëPSPµPSPSCİİ C,PµCĤP°PİC-C—
PsP»P°PSP·P°PİC-PSPsPj PİPsPIC-PrPsPjP»CİP»PsCİCİ PİCĤPs PİPsCİC,CĤC- CİPëPjPİC,PsPjPë:
PİC-PrPIPëC%PµPSPµ PİPsC,PsPIPëPrC-P»PµPSPSCİİ, P±PµP·CİPSPSPSCİİ, C,CĤPµPjPSCĤ,
P°P¶PëC,P°C†C-CĤ, PSCřPrPsC,Cř C- P±P»CĤPIP°PSPSCİİ.

⁸ Pj C...PsPrC- PeP»C-PSC-C†PSPëC... PrPsCİP»C-PrP¶PµPSCĤ (PrPs 12 C,PëP¶PSC-PI)
PIPëP·PSP°C†PµPSPs, C%Ps PePsPSC†PµPSC,CĤP°C†C-Cİ PİCĤPsP»P°PeC,PëPSCř Cř
PİP»P°P·PjC- PeCĤPsPIC- PİPµCĤPµPIPëC%CřPIP°P»P° PIPµCĤC...PSCĤ PjPµP¶Cř PSPsCĤPjPë
Cř 30 % PİP°C†C-C"PS 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"PS C,PI C,P°PePµ PİC-PrPIPëC%PµPSPSCİİ P±CřP»Ps
PİPsPjC-CĤPSPëPj C- P·P°P»PëCëP°P»PsCİCİ Pİ PjPµP¶P°C... P·PSP°C†PµPSCĤ, Cř PrPIP°
CĤP°P·Pë PSPëP¶C†PëC... PIC-Pr PIPµCĤC...PSCĤPsC— PjPµP¶C- PSPsCĤPjPë.

⁹ PµPsP±C-C†PSC- CĤPµP°PeC†C-C—, C%Ps P±CřP»Pë PIPëCİPIP»PµPSC- Cř
PeP»C-PSC-C†PSPëC... PrPsCİP»C-PrP¶PµPSPSCİC..., P·PİC-PrPSPs P·
C-PSC,PµPİCĤPsPIP°PSPsCĤ P±P°P·PsCĤ PrP°PSPëC... C%PsPrPs 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†PµPSCĤ P·PİC-PrPSPs P· C-PSC,PµPİCĤPsPIP°PSPsCĤ
P±P°P·PsCĤ PrP°PSPëC... C%PsPrPs PsP»P°PSP·P°PİC-PSCř.

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

¹² PŞP°CİC,PsC,P° PİPsP±C-C†PSPëC... CĤPµP°PeC†C-PNë, PİCĤPs CİPeC-
PİPsPIC-PrPsPjP»CİP»PsCİCİ Cř CİPİPsPSC,P°PSPSPëC...
PİPsCİC,PjP°CĤPePµC,PëPSPİPsPIPëC... P·PIC-C,P°C..., PsC†C-PSPµPSP° P·
PIPëPePsCĤPëCİC,P°PSPSCİPj PrPsPIC-CĤC†PsPiPs C-PSC,PµCĤPIP°P»Cř Pİ PIPµCĤC...PSC-PNë
PjPµP¶C- PSPsCĤPjPë (95 %) PSP° PsCİPSPsPIC- C-PSC,PµPİCĤPsPIP°PSPsC— P±P°P·Pë
PrP°PSPëC... C%PsPrPs PsP»P°PSP·P°PİC-PSCř.

P'PİP»PëPI PİCĤPë PrPsPIPiPsC,CĤPëPIP°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-PMSPs 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†PiPsCŷ PiP»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†PiPē 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†PiPsC†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- PiP°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- PiP»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†PiPsC†C, PμCŷC-PiP°P»P°C†CŪ PSPμPNēC, CŷPsPiPμPSC-CŪ 4,1 %;
PīCŷPēC†PēPSPsCŷ PjPsP¶Pμ P±C†C, Pē PīC-PrPIPēC%PμPSPSCŪ CŷC-PIPSCŪ
PIP°P»CHPiCŷPsP°C, Cr 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†PiPsC†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°PiPμC, PēC, Cr. 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†PiPsC†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°PiC-PSPsPj (PrPs 12 C, PëP¶PSC-PI) PrP»C¶ PiPsPiPµC¶PµPrP¶PµPSPSC¶ C¶PµC†PëPrPëPIC-PI C¶ PiP°C†C-C"°PSC, C-PI C-P· P±C-PiPsP»C¶C¶PSPëPjPë C¶PsP·P»P°PrP°PjPë P±CfP»Ps PiPsPiB¶™ C¶P·P°PSPs P· PiC-PrPIPëC%PµPSPSC¶Pj PjP°CfPë C, C-P»P° ≥ 7 % P†P¶P¶ C¶ 39,9 % PiP°C†C-C"°PSC, C-PI.

P"°C-C, Pë.

P¶P»P°PSP·P°PiC-PS PSPµ PiPsPeP°P·P°PSPëPµ PrP»C¶ P»C-PeCfPIP°PSPSC¶ PrC-C, PµPµ C, P° PiC-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°PiC-PSCf C¶ PiC-PrP»C-C, PeC-PI C, P° PrPsC¶PsCfP»PëC..., PSPµ PiC¶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¶ PiC-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¶PIP»PµPSC- C, C-P»C¶PePë PiC-Pr C¶P°Cf PePsC¶PsC, PePsC, C¶PëPIP°P»PëC... PeP»C-PSC-C¶PSPëC... PrPsCfP»C-PrP¶PµPSC¶ C¶ PiC-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¶PiPsCfC, PµC¶C-PiP°P»PsCfC¶ C¶ PiC-PrP»C-C, PeC-PI PiPsC¶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¶ PiC-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, PiC-PrPIPëC%PµPSPSC¶ C¶C-PIPSC¶ C, C¶PëPiP»C-C†PµC¶PëPrC-PI¹⁴, PiC-PrPIPëC%PµPSPSC¶ P°PiPµC, PëC, C¶.

P¶P°CfC, Ps: PiC-PrPIPëC%PµPSPSC¶ C¶C-PIPSC¶ C...PsP»PµCfC, PµC¶PëPSC¹⁵.

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

P"°CfP¶Pµ C¶P°CfC, Ps: CfPµPrP°C†C-C¶ (C¶ C, PsPjCf C¶PëCfP»C- PiC-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: PiC-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

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

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

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

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

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

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

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

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

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

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

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

вҒ“ PIPёCГPёPіP°PSPSCЦ.

$P - P \pm PsPeC \acute{z} C - PjC \acute{z} PSPSPsC - CГPёCГC, P\mu PjPё: P^\circ P \gg P\mu CГPiC - C \ddagger PSC - CГP\mu P^\circ PeC \ddagger C - C -$,
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¶.

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

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 %).

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

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

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

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.

PJPjPsPIPё P·P±PµCГC-PiP°PSPSCЦ. P—P±PµCГC-PiP°C,Pё PіCГPё
C,PµPjPіPµCГP°C,CГCГC- PSPµ PIPёC%Pµ 25 B°PŸ, PI PsCГPёPіC-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

B B B B B B B B P'PëCᄡPsP±PSPëPe.

B B B B B B B B PᄡPŸ B«PᄡPrP°PjPᄡPr PᄡP°CᄡPjP°B», PᄡPsP»CHC‰P°.

B B B B B B B B B B B B B B B B B B

**PᄡC-CᄡC†PᄡP·PSP°C...PsPrPᄡPᄡPSPSCᄡ PIPëCᄡPsP±PSPëPeP° C,P° PNᄡPsPiPs
P°PrCᄡPᄡCᄡP° PjC-CᄡC†Cᄡ PᄡCᄡPsPIP°PrPᄡPᄡPSPSCᄡ PrC-CᄡP»CHᄡPSPsCᄡC,C-.**

B B B B B B B B P'CᄡP». PᄡP°CᄡC€. P"Pᄡ. PᄡC-P»CᄡCᄡPrCᄡCHᄡPePsPiPs 5, 95-200,
PᄡP°P±'CᄡPSC-C†Pᄡ, PᄡPsP»CHC‰P°.