

**PrP»CЦ PjPμPrPëC‡PSPsPiPs P•P°CíC,PsCíCíPIP°PSPSCЦ P»C-PeP°CĤCíCĤPePsPiPs
P•P°CíPsP±Cí**

(PEYONA^{B®})

$P_{\text{P}}P_{\text{S}}C_{\text{C}}, P_{\text{P}}C_{\text{C}} - PS \text{ C}^{\text{f}}C, C\text{H}C^{\text{f}}P_{\text{e}}C, C^{\text{f}}C\text{H}PSPs \text{ P}\ddot{\text{P}}sPI'C\ddot{C}IP \cdot P^{\circ}PSP\ddot{P}N_{\text{e}} P \cdot$
 $P_jP_{\text{P}}C, P\ddot{e}P \gg P_{\text{e}}C\ddot{I}P^{\circ}PSC, P\ddot{e}PSP^{\circ}P_jP\ddot{e} C, P_{\text{P}}P_{\text{S}}C_{\text{C}}, C - P \gg C - PSPsP_j C, P^{\circ} C, P_{\text{P}}P_{\text{S}}P \pm C\text{H}P_{\text{S}}P_jC - PSPsP_j.$
 $P^{\circ}C - P \gg C\text{H}C\text{e}C - C^{\text{f}}C, C\text{H} P N_{\text{e}}PsPiPs P_{\text{P}}C_{\text{C}}, P_{\text{P}}P_{\text{e}}C, C - PI \text{ P}\ddot{\text{P}}sPI'C\ddot{C}IP \cdot P^{\circ}PSP^{\circ} P \cdot$
 $P^{\circ}PSC, P^{\circ}PiPsPSC - P \cdot P_jPsP_j P^{\circ}PrP_{\text{P}}PSPsP \cdot P\ddot{e}PSPsPIP\ddot{e}C \dots C\text{H}P_{\text{P}}C\ddot{I}P_{\text{P}}PiC, PsC\text{H}C - PI$
 $PiC - PrC, P\ddot{e}PiC - PI P_{\text{h}_1} C, P^{\circ} P_{\text{h}_{2\text{P}_2}}, C\%_{\text{O}}Ps PiC\text{H}PsPrP_{\text{P}}P_jPsPSC\ddot{I}C, C\text{H}PsPIP^{\circ}PSPs P^{\circ}PSP^{\circ}P \gg C - P \cdot P^{\circ}P_jP\ddot{e}$
 $P \cdot PI'C\ddot{C}IP \cdot C^{\text{f}}PIP^{\circ}PSPSC\ddot{C} C\text{H}P_{\text{P}}C\ddot{I}P_{\text{P}}PiC, PsC\text{H}C - PI C, P^{\circ} C\ddot{I}PiPsC\ddot{I}C, P_{\text{P}}C\text{H}C - PiP^{\circ}C^{\circ}C, C\text{H}C\ddot{I}C\ddot{C}I$
 $PiC\text{H}P\ddot{e} P_{\text{e}}PsPSC\ddot{I}P_{\text{P}}PSC, C\text{H}P^{\circ}C\ddot{I}C - C\ddot{C}C \dots, C\%_{\text{O}}Ps PiC\text{H}P\ddot{e}P \pm P \gg P\ddot{e}P \cdot PSPs PrPsC\text{H}C - PIPSC\text{H}C\text{H}C, C\text{H}$

C, P_μ C₇ P° P_i P_μ PIC, P_ē C_± P_S P_ē P_j P_e P_s P_S C_† P_μ P_S C, C₇ P° C_† C- C_μ P_j P· P° P_r P° P_S P_ē C...
P_i P_s P_e P° P· P° P_S C_H.

P_α P° C₇ P_j P° P_e P_s P_r P_ē P_S P° P_j C- C_± P_S C- P_μ C,, P_μ P_e C, P_ē

P_h C_† P_S P_S P_i P_S P_S C_H P_r C- C'' C_H P_e P_s C,, P_μ C— P_S C_r C'' C_† C, P_ē P_j C_r P» C_μ C_† C- C_μ
C_† P_μ P_S C, C₇ P° P» C_H P_S P_S C— P_S P_μ C₇ P_i P_S P_i P_S C— C_† P_ē C_† C, P_μ P_j P_ē. P' P_s P_S P° C'' P_s C_† P_S P_S P_i P_S C_H
P_r C- C— P_e P_s C,, P_μ C— P_S C_r P_i C₇ P_ē P° P_i P_S P_S P_μ C_r P_S P_μ P_r P_s P_S P_S C_ē P_μ P_S P_ē C...
P_S P_S P_i P_S P_S P° C₇ P_s P_r P_¶ P_μ P_S P_ē C... C- P_j P° C'' P_r P_μ P_e C- P» C_H P_e P° P_j P_μ C... P° P_S C- P· P_j C- P_i
P_i P_i P» P_ē P_i C_r, P_i P_e P» C_H C_± P° C_H C_± P_ē:

- C_† C, P_ē P_j C_r P» C_μ C_† C- C_H C_† P_μ P_S C, C₇ C- P_i P_r P_ē C... P° P_S P_S C_μ;
- P· P_± C- P» C_H C_ē P_μ P_S P_S C_μ C... P_i P_ē P» P_ē P_S P_S P_S P_i P_s P_s P_± 'C'' P_j C_r P_i P_μ P_S C, P_ē P» C_μ C_† C- C—
P» P_μ P_i P_μ P_S C- P_i;
- P· P_S P_ē P_¶ P_μ P_S P_S C_μ P_i P_s C₇ P_s P_i P° P_i P_j C- C_† C, C_r P_i C_r P_i P» P_μ P_e P_ē C_† P» P_s C, P_ē P_i
P_e C₇ P_s P_i C-;
- P_i C- P_r P_i P_ē C% P_μ P_S P_S C_μ C₇ P_μ P° P_i C_r P_i P° P_S P_S C_μ P_S P° P_i P_j C- C_† C,
P_i C_r P_i P» P_μ P_e P_ē C_† P» P_s C, P_ē P_i P_e C₇ P_s P_i C-;
- P_i C- P_r P_i P_ē C% P_μ P_S P_S C_μ C, P_s P_S C_r C_† C_r C_† P_e P_μ P» P_μ C, P_S P_ē C... P_j 'C_μ P· C- P_i;
- P· P_S P_ē P_¶ P_μ P_S P_S C_μ P_r C- P° C,, C₇ P° P_i P_j P° P» C_H P_S P_s C— P_i C, P_s P_j P_ē;
- P_i C- P_r P_i P_ē C% P_μ P_S P_ē P_№ C, P_μ P_j P_i P_j P_μ C, P° P_± P_s P» C- P· P_j C_r;
- P_i C- P_r P_i P_ē C% P_μ P_S P_μ C_† P_i P_s P_¶ P_ē P_i P° P_S P_S C_μ P_e P_ē C_† P_S C_H.

P_ŷ P_μ C₇ P° P_i P_μ PIC, P_ē C_± P_S P° P_μ C,, P_μ P_e C, P_ē P_i P_S C- C_† C, C_H C, P° P_± P_μ P· P_i P_μ P_e P°

P_ŷ P_μ C₇ P° P_i P_μ PIC, P_ē C_± P_S P° P_μ C,, P_μ P_e C, P_ē P_i P_S C- C_† C, C_H P_e P_s C,, P_μ C— P_S C_r C_† P_ē C, C₇ P° C, C_r
P_± C_r P» P° P_s C_† C- P_S P_μ P_S P° C_r C... P_s P_r C- P_± P° P_i P° C, P_s C_† P_μ P_S C, C₇ P_s P_i P_s P_i P_s
C₇ P° P_S P_r P_s P_j C- P· P_s P_i P° P_S P_S P_i P_s P_i P_s P_r P_i C- P_№ P_S P_s C_† P» C- P_i P_s P_i P_s
P_r P_s C_† P» C- P_r P_¶ P_μ P_S P_S C_μ, C_r C_μ P_e P_s P_j C_r P_i P_s C₇ C- P_i P_S C_H P_i P° P» P_ē P_r C- C_H P_e P_s C,, P_μ C— P_S C_r
C_† P_ē C, C₇ P° C, C_r P· P_i P» P° C_† P_μ P_± P_s C_r 85 P_S P_μ P_r P_s P_S P_S C_ē P_μ P_S P_ē C...
P_S P_S P_i P_S P_S P° C₇ P_s P_r P_¶ P_μ P_S P_ē C... (P_i P_μ C_† C, P° C_† C- P_№ P_S C- P_№ P_i C- P_e P_i C- P_r 28 P_r P_s 33
C, P_ē P_¶ P_S C- P_i), C% P_s P_j P° P» P° P_i P_S P_S P_μ P_S P_μ P_r P_s P_S P_S C_ē P_μ P_S P_ē C...
P_S P_S P_i P_S P_S P° C₇ P_s P_r P_¶ P_μ P_S P_ē C.... P'' C- C, P_ē P_s P_r P_μ C₇ P_¶ C_r P_i P° P» P_ē
P_i P_S C_r C, C₇ C- C_ē P_S C_H P_s P_i P_μ P_S P_S P_s C_r P_r P° C₇ P_S C_r P_r P_s P· C_r P_e P_s C,, P_μ C— P_S C_r 20 P_j P_i/P_e P_i.
P_μ P_s C, C- P_j P_i P_S C_r C, C₇ C- C_ē P_S C_H P_s P_i P_μ P_S P_S P_s P° P_± P_s P_i P_μ C₇ P_s C₇ P° P» C_H P_S P_s (C_± P_μ C₇ P_μ P·
P· P_s P_S P_r P_r P» C_μ P_i P_s P_r C_r P_i P° P_S P_S C_μ) P_i P_i P_s P_r P_ē P» P° C_† C_H C% P_s P_r P_μ P_S P_S P°
P_i C- P_r C, C₇ P_ē P_j C_r P_i P° P» C_H P_S P° P_r P_s P· P° 5 P_j P_i/P_e P_i P_i C₇ P_s C, C_μ P_i P_s P_j 10 B₇ "12 P_r P_S C- P_i.
P_μ C₇ P_s C, P_s P_e P_s P» P_r P_s P· P_i P_s P» C_μ P_i P_i P_¶ P_ē C, C, C_μ P_S P_μ P_i C- P_r P_e P» P° P_r P_S P_ē C...
P· P° C... P_s P_r C- P_i P· C, P_μ C₇ P° P_i C- C'' C_H P_e P_s C,, P_μ C— P_S C_r C_† P_ē C, C₇ P° C, P_s P_j C_r C₇ P° P· C-,
C_μ P_e C% P_s P° P_i P_S P_S P_μ P· P° P» P_ē C_ē P° P» P_s C_† C_H P_S P_μ P_e P_S P_S C, C₇ P_s P» C_H P_s P_i P° P_S P_ē P_j. P_j
C_† C_H P_s P_j C_r P_i P_ē P_i P° P_r P_e C_r P_r C- C, P_ē P_s P_r P_μ C₇ P_¶ C_r P_i P° P» P_ē P_i P_s P_i C, P_s C₇ P_S C_r C_r P_r P° C₇ P_S C_r
P_r P_s P· C_r P_e P_s C,, P_μ C— P_S C_r 20 P_j P_i/P_e P_i P_i C- C_† P» C_μ 1- P_i P_s P_r P_S C_μ C, P_μ C₇ P° P_i C- C— P_r P_s 8- P_i P_s
P_r P_S C_μ.

P_л C- P» C_H P_e C- C_† C, C_H P_r P_S C- P_i P_± P_μ P· P° P_i P_S P_S P_μ P_i C₇ P_ē C, P_μ C₇ P° P_i C- C—
P_e P_s C,, P_μ C— P_S C_r C_† P_ē C, C₇ P° C, P_s P_j P_± C_r P» P° P_± C- P» C_H C_ē P_s C_H (3,0 P_r P_S C- P_i C₇ P_s C, P_ē 1,2

PrPSC- PiC₇P₆ P·P°C₁C, PsC₁C₁PIP°PSPSC- PiP»P°C†P_μP±Ps, C₇=0,005); C, P°PePsP₁
 PIC-PrC₁PsC, PsPe PiP°C†C-C°PSC, C-PI, C°Ps PSp_μ PjP°P»P₆ P°PiPSPsP_μ PiC₇PsC, C₁PiPsPj 8
 C, P° P±C-P»CHC₆P_μ PrPSC-PI, P±C₁PI PIP₆C°P₆Pj (22 % PiC₇P₆ P·P°C₁C, PsC₁C₁PIP°PSPSC-
 PePsC,, P_μC—PSC₁ PiC₇PsC, P₆ 0 % PiC₇P₆ P·P°C₁C, PsC₁C₁PIP°PSPSC- PiP»P°C†P_μP±Ps).

PJ C...PsPrC- PSp_μC°PsPrP°PIPSPs PiC₇PsPIP_μPrP_μPSPsPiPs
 P±P°PiP°C, PsC†P_μPSC, C₇PsPIP_μPiPs PiP»P°C†P_μP±Ps-PePsPSC, C₇PsP»CHPsPIP°PSPsPiPs
 (n=2006) PrPsC₁P»C-PrP₁P_μPSPSC₁ P±C₁P»Ps PIP₆PIC†P_μPSPs
 PePsC₇PsC, PePsC₁C, C₇PsPePsPIC- C, P° PrPsPIP_μPsC₁C, C₇PsPePsPIC- (18b₇“21 PjC-C₁C₁C†CH)
 PiPsPeP°P·PSP₆PeP₆ PSp_μPrPsPSPsC₆P_μPSP₆C... PSPsPIP_μPSP°C₇PsPrP₁P_μPSP₆C..., C₁PiPeC-
 PsPrP_μC₇P₁C₁PIP°P»P₆ C, P_μC₇P°PiC-C₇ PePsC,, P_μC—PSC₁ C†P₆C, C₇P°C, PsPj.
 P_μP°C†C-C°PSC, P₆ C₁ C₇P°PSP_μPrPsPjC-P·PsPIP°PSPsPjC₁ PiPsC₇C₁PrPeC₁
 PsPrP_μC₇P₁C₁PIP°P»P₆ PIPSC₁C, C₇C-C₆PSCH₆PsPIP_μPSPSC₁ C₁PrP°C₇PSC₁ PrPsP·C₁
 PePsC,, P_μC—PSC₁ C†P₆C, C₇P°C, C₁ 20 PjPi/PePi, PiC-C₁P»C₁ C†PsPiPs C°PsPrPSC₁
 PsPrP_μC₇P₁C₁PIP°P»P₆ PiC-PrC, C₇P₆PjC₁PIP°P»CHPSC₁ PrPsP·C₁ 5 PjPi/PePi. PJ C₇P°P·C-
 P·P±P_μC₇P_μP₁P_μPSPSC₁ P°PiPSPsP_μ C°PsPrP_μPSPSP° PiC-PrC, C₇P₆PjC₁PIP°P»CHPSP°
 PrPsP·P° PjPsPiP»P° P±C₁C, P₆ P·P±C-P»CHC₆P_μPSP° PrPs PjP°PeC₁P₆PjC₁PjC₁ b₇“ 10 PjPi/PePi.
 P₇PsC₇P₆PiC₁PIP°PSPSC₁ PiC-PrC, C₇P₆PjC₁PIP°P»CHPSPsC— PrPsP·P₆
 P·PrC-PN₆C₁PSC₇PIP°P»PsC₁CH C°PsC, P₆P₁PSCL₁ P·P°P»P_μP₁PSPs PIC-Pr P·PjC-PS PjP°C₁P₆
 C, C-P»P°, PrPsP·P° PjPsPiP»P° PIP_μPsPrP₆C, P₆C₁CH PiP_μC₇PsC₇P°P»CHPSPs C₁ C₇P°P·C-,
 C₁PiPeC°Ps PiP°C†C-C°PSC, PiP_μC₇P_μP±C₁PIP°PI PSP° PiPsPIPSPsPjC₁
 P_μPSC, P_μC₇P°P»CHPSPsPjC₁ PiPsPrC₁PIP°PSPSC-. PJ C₇P_μP·C₁P»CHC, P°C, C- C, P_μC₇P°PiC-C—
 PePsC,, P_μC—PSPsPj PIC-PrP±C₁PIP°P»PsC₁C₁ P·PSP₆P₁P_μPSPSC₁ PiPsPeP°P·PSP₆PeP°
 P±C₇PsPSC...PsPiC₁P»CHPjPsPSP°C₇PSPsC— PrP₆C₁PiP»P°P·C-C— [PIC-PrPSPsC₁PSP₆PN₆
 C₇P₆P·P₆Pe (95 % P°P†) 0,63 (PIC-Pr 0,52 PrPs 0,76)] C, P° PiC-PrPIP₆C°P_μPSPSC₁
 PiPsPeP°P·PSP₆PeC-PI PIP₆P₁P_μPIP°PSPSC₁ P±P_μP· PiPsC₇C₁C₆P_μPSCH
 PSp_μPIC₇PsP»PsPiC-C†PSPsPiPs C₇PsP·PIP₆C, PeC₁ [PIC-PrPSPsC₁PSP₆PN₆ C₇P₆P·P₆Pe (95 %
 P°P†) 0,77 (PIC-Pr 0,64 PrPs 0,93)].

P°PiP»P₆PI PePsC,, P_μC—PSC₁ PSP° PiPsPeP°P·PSP₆PeP₆ C₁PjP_μC₇C, PSPsC₁C, C- C, P°
 C-PSPIP°P»C-PrP₆P·P°C†C-C— P·P°P»P_μP₁P°PI PIC-Pr C₁C, C₁PiP_μPSC₁
 C₇P_μC₁PiC-C₇P°C, PsC₇PSPsC— PiC-PrC, C₇P₆PjPeP₆, C₁PiPePsC— PiPsC, C₇P_μP±C₁PIP°P»P₆
 PSPsPIP_μPSP°C₇PsPrP₁P_μPSC-, C, P° PrP_μPjPsPSC₁C, C₇C₁PIP°PI PiPsP·P₆C, P₆PIPS₆PN₆
 P_μC,, P_μPeC, C₁ PSPsPIP_μPSP°C₇PsPrP₁P_μPSP₆C..., C₁PiPeC- PN₆PsPiPs PsC, C₇P₆PjC₁PIP°P»P₆
 [PIC-PrPSPsC₁PSP₆PN₆ C₇P₆P·P₆Pe (95 % P°P†) C₁PjP_μC₇C, PSPsC₁C, C- C, P°
 C-PSPIP°P»C-PrP₆P·P°C†C-C— b₇“ PrP₆PI. C, P°P±P»P₆C†C₇ 1].

B B B B B B B P₇P°P±P»P₆C†C₁ 1

P₇PjP_μC₇C, PSC-C₁C, CH C, P° C-PSPIP°P»C-PrP₆P·P°C†C-C₁ C₁ PiC₇C₁PiC- P·
 C₇P_μC₁PiC-C₇P°C, PsC₇PSPsC₇ PiC-PrC, C₇P₆PjPePsC₇ PSP° PiPsC†P°C, PsPe
 PrPsC₁P»C-PrP₁P_μPSPSC₁

P _μ C-PrPiC ₇ C ₁ PiP°	P°C-PrPSPsC ₁ PSP ₆ PN ₆ C ₇ P ₆ P·P ₆ Pe (95 % P°P†)
P°P _μ P· PiC-PrC, C ₇ P ₆ PjPeP ₆	1,32 (PIC-Pr 0,81 PrPs 2,14)
P ₆ P _μ C-PSPIP°P·P ₆ PIPS° PiC-PrC, C ₇ P ₆ PjPeP°	0,73 (PIC-Pr 0,52 PrPs 1,03)
P·PSP _μ PsC, C ₇ P°C...P _μ P°P»CHPSP° C, C ₇ C ₁ P±PeP°	0,73 (PIC-Pr 0,57 PrPs 0,94)

P₇P°C₇PjP°PePsPeC-PSP_μC, P₆PeP°.

РлPsC,,PμC—PSCr C†PëC,ЧҗP°C, PrPëCГPsC†C-ЧҗC" Cr PIPsPrPSPsPjCr ЧҗPsP·C†PëPSC-.
P†PëC,ЧҗP°C,PSP° PiЧҗCrPіP° CЄPIPëPrPePs PjPμC,P°P±PsP»C-P·CrC"C,ЧҗCГCЦ PiЧҗPë
C-PSC,,CrP·C-C— P°P±Ps PiPμЧҗPsЧҗP°P»ЧҗPSPsPjCr PIPIPμPrPμPSPSC-.

P'CГPjPsPeC,CrPIP°PSPSCЦ

P"C-CЦ PePsC,,PμC—PSCr Cr CГPeP»P°PrC- PePsC,,PμC—PSCr C†PëC,ЧҗP°C,Cr PSP°CГC,P°C"
PiЧҗPsC,CЦPiPsPj PrPμPeC-P»ЧҗPePsC... C...PIPëP»PëPS PiC-CГP»CЦ PiPsC†P°C,PeCr
C-PSC,,CrP·C-C—. PμC-CГP»CЦ PiPμЧҗPsЧҗP°P»ЧҗPSPsPiPs PIPIPμPrPμPSPSCЦ 10 PjPi
PePsC,,PμC—PSCr PSP° 1 PePi PjP°CГPë C,C-P»P° PSPμPrPsPSPsCЄPμPSPëPj
PSPsPIPsPSP°ЧҗPsPrP¶PμPSPëPj PiC-PePsPIP° PePsPSC†PμPSC,ЧҗP°C†C-CЦ PePsC,,PμC—PSCr
PI PiP»P°P·PjC- (C_{PjP°PeCr}) PePsP»PëPIP°C"C,ЧҗCГCЦ PIC-Pr 6 PrPs 10 PjPi/P», P°
CГPμЧҗPμPrPSC-PNë C†P°CГ PrPsCГCЦPiPSPμPSPSCЦ PiC-PePsPIPsC—
PePsPSC†PμPSC,ЧҗP°C†C-C— (t_{PjP°PeCr}) Бҗ" PIC-Pr 30 C...PIPëP»PëPS PrPs 2 PiPsPrPëPS.
PҗC,CrPiC-PSCҗ PICГPjPsPeC,CrPIP°PSPSCЦ PSPμ P·P°P»PμP¶PëC,Чҗ PIC-Pr CГPeP»P°PrCr
CГCrPjC-CЄC- PrP»CЦ PiPsPrCrPIP°PSPSCЦ, P°P»Pμ t_{PjP°PeCr} PjPsP¶Pμ
P·P±C-P»ЧҗCЄCrPIP°C,PëCГCЦ.

P PsP·PiPsPrC-P»

РлPsC,,PμC—PS CЄPIPëPrPePs PiPsC,ЧҗP°PiP»CЦC" Cr PjPsP·PsPe PiC-CГP»CЦ
PIPIPμPrPμPSPSCЦ PePsC,,PμC—PSCr C†PëC,ЧҗP°C,Cr. РлPsPSC†PμPSC,ЧҗP°C†C-CЦ
PePsC,,PμC—PSCr PI CГPiPëPSPSPsPjPsP·PePsPIC-PNë ЧҗC-PrPëPSC- PSPμPrPsPSPsCЄPμPSPëC...
PSPsPIPsPSP°ЧҗPsPrP¶PμPSPëC... PiЧҗPëP±P»PëP·PSPs PrPsЧҗC-PIPSЧҗC"
PePsPSC†PμPSC,ЧҗP°C†C-C— Cr PiP»P°P·PjC-. PҗPμЧҗPμPrPSC-PNë PsP±'C"Pj
ЧҗPsP·PiPsPrC-P»Cr (V_d) PePsC,,PμC—PSCr Cr PSPsPIPsPSP°ЧҗPsPrP¶PμPSPëC... (0,8Бҗ"0,9
P»/PePi) C" PrPμC%Ps PIPëC%PëPj, PSC-P¶ Cr PrPsЧҗPsCГP»PëC... PiP°C†C-C"PSC,C-PI (0,6
P»/PePi). P"P°PSC- PiЧҗPs P·PI'CЦP·CrPIP°PSPSCЦ PiЧҗPsC,PμC—PSC-PI PiP»P°P·PjPë Cr
PSPsPIPsPSP°ЧҗPsPrP¶PμPSPëC... C,P° PSPμPjPsPIP»CЦC, PIC-PrCГCrC,PSC-. Pj
PrPsЧҗPsCГP»PëC... CГPμЧҗPμPrPSC-PNë PiPsPeP°P·PSPëPe P·PI'CЦP·CrPIP°PSPSCЦ
PiЧҗPsC,PμC—PSC-PI PiP»P°P·PjPë *in vitro*, CЦPe PiPsPIC-PrPsPjP»CЦC"C,ЧҗCГCЦ,
CГC,P°PSPsPIPëC,Чҗ 36 %.

РлPsC,,PμC—PS PiЧҗPsPSPëPeP°C" C†PμЧҗPμP· PiP»P°C†PμPSC,Cr Cr PeЧҗPsPIPsPsP±C-Pi
PiP»PsPrP° C,P° PIPëPrC-P»CЦC"C,ЧҗCГCЦ Cr PiЧҗCrPrPSPμ PjPsP»PsPePs PjP°C,PμЧҗC-.

P'C-PsC,ЧҗP°PSCГC,,PsЧҗPjP°C†C-CЦ

РҗPμC,P°P±PsP»C-P·Pj PePsC,,PμC—PSCr Cr PSPμPrPsPSPsCЄPμPSPëC...
PSPsPIPsPSP°ЧҗPsPrP¶PμPSPëC... C" PrCrP¶Pμ PsP±PjPμP¶PμPSPëPj C†PμЧҗPμP·
PSPμPrPsCГC,P°C,PSC-PNë ЧҗPsP·PIPëC,PsPe PiPμC†C-PSPePsPIPsC— C,,PμЧҗPjPμPSC,PSPsC—
CГPëCГC,PμPjPë C- P±C-P»ЧҗCЄP° C†P°CГC,PëPSP° PrC-ЧҗC†PsC— ЧҗPμC†PsPIPëPSPë
PIPëPIPsPrPëC,ЧҗCГCЦ C-P· CГPμC†PμЧҗ. PμPμC†C-PSPePsPIPëPNë C†PëC,PsC...ЧҗPsPj P 450
1Pҗ2 (CYP1A2) P±PμЧҗPμ CrC†P°CГC,Чҗ Cr P±C-PsC,ЧҗP°PSCГC,,PsЧҗPjP°C†C-C—
PePsC,,PμC—PSCr Cr PsCГC-P± CГC,P°ЧҗCЄPsPiPs PIC-PeCr.

P,, PiPsPIC-PrPsPjP»PμPSPSCЦ PiЧҗPs PIP·P°C"PjPSCr PePsPSPIPμЧҗCГC-Чҗ PjC-P¶
PePsC,,PμC—PSPsPj C,P° C,PμPsC,,C-P»C-PSPsPj Cr PSPμPrPsPSPsCЄPμPSPëC...
PSPsPIPsPSP°ЧҗPsPrP¶PμPSPëC...; ЧҗC-PIPμPSCҗ PePsC,,PμC—PSCr CГC,P°PSPsPIPëC,Чҗ
P±P»PëP·ЧҗPePs 25 % ЧҗC-PIPSЦ C,PμPsC,,C-P»C-PSCr PiC-CГP»CЦ PIPIPμPrPμPSPSCЦ
C,PμPsC,,C-P»C-PSCr C- PsC†C-PeCrC"C,ЧҗCГCЦ, C%Ps P±P»PëP·ЧҗPePs 3Бҗ"8 %
PIPIPμPrPμPSPsPiPs PePsC,,PμC—PSCr PePsPSPIPμЧҗC,CrC"C,ЧҗCГCЦ Cr C,PμPsC,,C-P»C-Ps.

P'PëPIPμPrPμPSPSCII

PJ PSpμPjPsPIP»CII C, PI CḡP°PSPSCHPsPjCř PIC-C†C- PIPëPIPμPrPμPSPSCII PePsC,,PμC—PSCř PIC-PrP±CřPIP°C"C,CHCĬCII P·PSP°C†PSPs PİPsPIC-P»CHPSC-C€Pμ, PSC-P¶ Cř PrPsCḡPsCĬP»PëC... Cř P·PI'CII P·PeCř P· PSpμPrPsCĬC,P°C,PSCḡPs CḡPsP·PIPëPSPμPSPsCḡ C,,CřPSPeC†C-C"Cḡ PİPμC†C-PSPePë C,P°/P°P±Ps PSPëCḡPsPe. PJ PSpSIPsPSP°CḡPsPrP¶PμPSPëC... PeP»C-CḡPμPSCĬ PePsC,,PμC—PSCř PjP°PNëP¶Pμ PİPsPIPSC-CĬC,Cḡ PIC-PrP±CřPIP°C"C,CHCĬCII P·P° CḡP°C...CřPSPsPe PSPëCḡPePsIPsPİPs PIPëPIPμPrPμPSPSCII. PŸPμCḡPμPrPSCII C,CḡPëPIP°P»C-CĬC,Cḡ PSp°PİC-PIPIPëPIPμPrPμPSPSCII ($t_{1/2}$) C†P°CĬC,PePë PePsC,,PμC—PSCř, C%Ps PIPëIPsPrPëC,CHCĬCII Cř PSpμP·PjC-PSPμPSPsPjCř CĬC,P°PSC- P· CĬPμC†PμCḡ ($P_{h_{Pμ}}$), Cř PSpμPjPsPIP»CII C, PsP±PμCḡPSPμPSPs PİCḡPsPİPsCḡC†C-PNëPSP° PİPμCĬC,P°C†C-PNëPSPëPjCř PIC-PeCř. PJ PSpSIPsPSP°CḡPsPrP¶PμPSPëC... $t_{1/2}$ CĬC,P°PSPsPIPëC,Cḡ PİCḡPëP±P»PëP·PSPs 3Bḡ"4 PrPSC-, P° $P_{h_{Pμ}}$ CĬC,P°PSPsPIPëC,Cḡ PİCḡPëP±P»PëP·PSPs 86 % (PİCḡPsC,CII PİPsPj 6 PrPSC-PI). PĶP° PrPμPI'CII C,PsPjCř PjC-CĬCII C†C- P¶PëC,C,CII PjPμC,P°P±PsP»C-P·Pj PePsC,,PμC—PSCř PSp°P±P»PëP¶P°C"C,CHCĬCII PrPs PİPsPeP°P·PSPëPeC-PI PrPsCḡPsCĬP»PsC— P»CḡPrPëPSPë ($t_{1/2} = 5$ PİPsPrPëPS, $P_{h_{Pμ}} = 1$ %).

P"PsCĬP»C-PrP¶PμPSPSCII C,,P°CḡPjP°PePsPeC-PSPμC,PëPePë PePsC,,PμC—PSCř Cř PSpSIPsPSP°CḡPsPrP¶PμPSPëC... P· PİPμC†C-PSPePsIPsCḡ P°P±Ps PSPëCḡPePsIPsCḡ PSpμPrPsCĬC,P°C,PSC-CĬC,Cḡ PSpμ PİCḡPsIPsPrPëP»PëCĬCḡ.

P—P° PSP°CIIPIPSsCĬC,C- P·PSP°C†PSPëC... CřCḡP°P¶PμPSCḡ PİPμC†C-PSPePë, P·PIP°P¶P°CḡC†Pë PSP° P·PSP°C†PSPëPNë PİPsC,PμPSC†C-P°P» PrPs PeCřPjCřP»CII C†C-C—, PSpμPsP±C...C-PrPSPs P·PSPëP¶CřPIP°C,Pë C%PsPrPμPSPSCř PİC-PrC,CḡPëPjCřPIP°P»CHPSCř PrPsP·Cř P·P°P»PμP¶PSPs PIC-Pr PİPsPeP°P·PSPëPeC-PI CḡC-PIPSCII PePsC,,PμC—PSCř PI PeCḡPsPIC-. PJ PSpμPrPsPSPsC€PμPSPëC... PSpSIPsPSP°CḡPsPrP¶PμPSPëC... P· C...PsP»PμCĬC,P°C,PëC†PSPëPj PİPμPİP°C,PëC,PsPj P±CřP»Ps PIPëCIIPIP»PμPSPs C,CḡPëPIP°P»C-C€PëPNë PİPμCḡC-PsPr PSP°PİC-PIPIPëPIPμPrPμPSPSCII PePsC,,PμC—PSCř PİCḡPë P·P±C-P»CHC€PμPSPSC- PePsPSC†PμPSC,CḡP°C†C-C— PePsC,,PμC—PSCř Cř PİP»P°P·PjC- PİPsPSP°Pr PSpSḡPjPë PePsP»PëPIP°PSCḡ, C,PsPjCř PrPsP·CřPIP°PSPSCII PrP»CII C,P°PePëC... PİP°C†C-C"PSC,C-PI PİPsC,CḡPμP±CřC" PsCĬPsP±P»PëPIPSC— PsP±PμCḡPμP¶PSPsCĬC,C-.

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

PμPsPeP°P·P°PSPSCII.

P>C-PeCřPIP°PSPSCII PİPμCḡPIPëPSPSPsPİPs P°PİPSPsPμ Cř PSpμPrPsPSPsC€PμPSPëC... PSpSIPsPSP°CḡPsPrP¶PμPSPëC....

PμCḡPsC,PëPİPsPeP°P·P°PSPSCII.

P"C-PİPμCḡC†CřC,P»PëPIC-CĬC,Cḡ PrPs PrC-CḡC†PsC— CḡPμC†PsPIPëPSPë P°P±Ps PrPs P±CřPrCḡ-CII PePëC... PrPsPİPsPjC-P¶PSPëC... CḡPμC†PsPIPëPS.

P'P·P°C"PjPsPrC-CII P· C-PSC€PëPjPë P»C-PeP°CḡCĬCḡPePëPjPë P·P°CĬPsP±P°PjPë C,P°

C-PSC€C- PIPëPrPë PIP·P°C”PjPsPrC-C—.

PJ PSPµPrPsPSPsC€PµPSPëC... PSPsPIPsPSP°CḡPsPrP¶PµPSPëC... PIC-PrP±CṙPIP°C”C,CHCḡCḡ
PIP·P°C”PjPsP¶PµCḡPµC,PIPsCḡPµPSPSCḡ PePsC,,PµC—PSCṙ C,P° C,PµPsC,,C-P»C-PSCṙ. PḡC-
P°PeC,PëPIPSC- CḡPµC†PsPIPëPSPë PSPµ CḡP»C-Pr P·P°CḡC,PsCḡPsPICṙPIP°C,Pë
PsPrPSPsC†P°CḡPSPs.

PḡPëC,PsC...CḡPsPj P450 1A2 (CYP1A2) C” PsCḡPSPsPIPsPSPëPj C,,PµCḡPjPµPSC,PsPj, C%Ps
P±PµCḡPµ CṙC†P°CḡC,CH Cṙ PjPµC,P°P±PsP»C-P·PjC- PePsC,,PµC—PSCṙ PI PsCḡPiP°PSC-P·PjC-
P»CḡPrPëPSPë. PḡP°PePëPj C†PëPSPsPj, PePsC,,PµC—PS PjP°C” PḡPsC,PµPSC†C-P°P» PrPs
PIP·P°C”PjPsPrC-C— P· PrC-CḡC†PëPjPë CḡPµC†PsPIPëPSP°PjPë, C%Ps C”
CḡCṙP±CḡC,CḡP°C,P°PjPë PrP»Cḡ CYP1A2, C-PSPiC-P±CṙCḡC,CH CYP1A2 P°P±Ps
C-PSPrCṙPeCṙCḡC,CH CYP1A2. PhPrPSP°Pe PjPµC,P°P±PsP»C-P·Pj PePsC,,PµC—PSCṙ Cṙ
PSPµPrPsPSPsC€PµPSPëC... PSPsPIPsPSP°CḡPsPrP¶PµPSPëC... C” PsP±PjPµP¶PµPSPëPj Cṙ
P·PI'CḡP·PeCṙ P· PSPµPrPsCḡC,P°C,PSCHPsCḡ P·CḡC-P»C-CḡC,Cḡ C—C...PSCHPsC—
PḡPµC†C-PSPePsIPsC— C,,PµCḡPjPµPSC,PSPsC— CḡPëCḡC,PµPjPë.

PḡPµP·PIP°P¶P°CḡC†Pë PSP° PsP±PjPµP¶PµPSC-CḡC,CH PSP°CḡPIPsPSPëC... PrP°PSPëC... PḡCḡPs
PIP·P°C”PjPsPrC-Cḡ PePsC,,PµC—PSCṙ P· C-PSC€PëPjPë PrC-CḡC†PëPjPë
CḡPµC†PsPIPëPSP°PjPë, PrP»Cḡ PSPµPrPsPSPsC€PµPSPëC... PSPsPIPsPSP°CḡPsPrP¶PµPSPëC...
PjPsP¶Pµ P±CṙC,Pë PSPµPsP±C...C-PrPSPëPj P·PSPëP¶PµPSPSCḡ PrPsP·Pë PePsC,,PµC—PSCṙ
C†PëC,CḡP°C,Cṙ PḡC-CḡP»Cḡ PIPIPµPrPµPSPSCḡ PrC-CḡC†PëC... CḡPµC†PsPIPëPS, CḡPeC-
P·PSPëP¶CṙCḡC,CH C€PIPëPrPeC-CḡC,CH PIPëPIPµPrPµPSPSCḡ PePsC,,PµC—PSCṙ Cṙ
PrPsCḡPsCḡP»PëC... PsCḡC-P± (PSP°PḡCḡPëPeP»P°Pr, C†PëPjPµC,PëPrPëPS C,P°
PePµC,PsPePsPSP°P·PsP»). PḡP°PePsP¶ PjPsP¶Pµ P±CṙC,Pë PSPµPsP±C...C-PrPSPëPj
PḡC-PrPIPëC%PµPSPSCḡ PrPsP·Pë PePsC,,PµC—PSCṙ C†PëC,CḡP°C,Cṙ PḡC-CḡP»Cḡ
PIPIPµPrPµPSPSCḡ PrC-CḡC†PëC... CḡPµC†PsPIPëPS, CḡPeC- PḡC-PrPIPëC%CṙCḡC,CH
C€PIPëPrPeC-CḡC,CH PIPëPIPµPrPµPSPSCḡ PePsC,,PµC—PSCṙ (PSP°PḡCḡPëPeP»P°Pr,
C,,PµPSPsP±P°CḡP±C-C,P°P» C,P° C,,PµPSC-C,PsC—PS). PḡPeC%Ps C” CḡCṙPjPSC-PIPë
C%PsPrPs PjPsP¶P»PëPIPsC— PIP·P°C”PjPsPrC-C—, PSPµPsP±C...C-PrPSPs
P·PrC-PNḡCḡPSCḡPIP°C,Pë PjPsPSC-C,PsCḡPëPSPi PePsPSC†PµPSC,CḡP°C†C-C—
PePsC,,PµC—PSCṙ PI PḡP»P°P·PjC-.

PhCḡPeC-P»CHPePë PSP°PrPjC-CḡPSPëPNḡ CḡPsP·PIPëC,PsPe PjC-PeCḡPsC,,P»PsCḡPë PI
PePëC€PµC†PSPëPeCṙ PjPsP¶Pµ P±CṙC,Pë PḡPsPI'CḡP·P°PSPëPNḡ P· CḡPsP·PIPëC,PePsPj
PSPµPeCḡPsC,PëC†PSPëC... PµPSC,PµCḡPsPePsP»C-C,C-PI, PsPrPSPsC†P°CḡPSPµ
PIPIPµPrPµPSPSCḡ PePsC,,PµC—PSCṙ C†PëC,CḡP°C,Cṙ C,P° P»C-PeP°CḡCḡPePëC...
P·P°CḡPsP±C-PI, C%Ps PḡCḡPëPiPSC-C†CṙCḡC,CH C€P»CṙPSPePsPICṙ CḡPµPeCḡPµC†C-Cḡ
(P±P»PsPeP°C,PsCḡPë Pḡ2-P°PSC,PëPiC-CḡC,P°PjC-PSPSPëC... CḡPµC†PµPḡC,PsCḡC-PI P°P±Ps
C-PSPiC-P±C-C,PsCḡPë PḡCḡPsC,PsPSPSPsPiPs PSP°CḡPsCḡP°), C,PµPsCḡPµC,PëC†PSPs
PḡC-PrPIPëC%CṙC” CḡPëP·PëPe PSPµPeCḡPsC,PëC†PSPëC... PµPSC,PµCḡPsPePsP»C-C,C-PI.

PhPrPSPsC†P°CḡPSPµ PIPIPµPrPµPSPSCḡ PePsC,,PµC—PSCṙ C,P° PrPsPeCḡP°PḡCḡP°PjCṙ
PjPsP¶Pµ PḡPsCḡPëP»PëC,Pë C—C...PSCH CḡC,PëPjCṙP»CḡCḡC†Cṙ PrC-Cḡ PSP°
CḡPµCḡC†PµPIPs-CḡCṙPrPëPSPSCṙ, PrPëC...P°P»CHPSCṙ C,P° C†PµPSC,CḡP°P»CHPSCṙ
PSPµCḡPIPsPICṙ CḡPëCḡC,PµPjCṙ. PḡPeC%Ps P¶ PḡPsPeP°P·P°PSPµ PsPrPSPsC†P°CḡPSPµ
P·P°CḡC,PsCḡCṙPIP°PSPSCḡ C†PëC... PḡCḡPµPḡP°CḡP°C,C-PI, PSPµPsP±C...C-PrPSPs
CḡPµC,PµP»CHPSPs PePsPSC,CḡPsP»CḡPIP°C,Pë CḡPµCḡC†PµPIPëPNḡ CḡPëC,Pj C,P°
P°CḡC,PµCḡC-P°P»CHPSPëPNḡ C,PëCḡPe.

PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCáPIP°PSPSCII.

PñPïPSPsPµ

PñPïPSPsPµ Cr PSPµPrPsPSPsC€PµPSPëC... PSPsPIPsPSP°CñPsPrP¶PµPSPëC...
PrC-P°PiPSPsCÍC,CrC"C,ChCÍCII PjPµC,PsPrPsPj PIPëPeP»CñC†PµPSPSCII. P†PSC€C-
PiCñPëC†PëPSPë P°PiPSPsPµ (PSP°PiCñPëPeP»P°Pr CñPsP·P»P°PrPë
C†PµPSC,CñP°P»ChPSPsC— PSPµCñPIPsPIPsC— CÍPëCÍC,PµPjPë, PiPµCñPIPëPSPSP°
P»PµPiPµPSPµPIP° PSPµPrPsCÍC,P°C,PSC-CÍC,Ch, P°PSPµPjC-CII, CÍPµPiCÍPëCÍ,
PjPµC,P°P±PsP»C-C†PSC- CñPsP·P»P°PrPë, CÍPµCñC†PµPIPs-CÍCrPrPëPSPSC- CñPsP·P»P°PrPë,
PsP±CÍC,CñCrPeC,PëPIPsPµ P°PiPSPsPµ) PiPsPIPëPSPSC- P±CrC,Pë PIPëPeP»CñC†PµPSC-
P°P±Ps PiPsPIPëPSPSP° P±CrC,Pë PiCñPsPIPµPrPµPSP° C—C... PSP°P»PµP¶PSP°
C,PµCñP°PiC-CII PrPs PiPsC†P°C,PeCr C,PµCñP°PiC-C— PePsC„PµC—PSCr C†PëC,CñP°C,PsPj.
P'C-PrCÍCrC,PSC-CÍC,Ch PµC„PµPeC,PëPIPsPSCÍC,C- C,PµCñP°PiC-C— PePsC„PµC—PSPsPj
(P·P° PiPsC,CñPµP±Pë PiC-PrC,PIPµCñPrP¶PµPSP° PIPëPjC-CñCñPIP°PSPSCII Pj
P±P°P·PsPIPëC... PiPsPeP°P·PSPëPeC-PI Cr PiP»P°P·PjC-) PjPsP¶Pµ CÍPIC-PrC†PëC,Pë PiCñPs
C-PSC€C- PiCñPëC†PëPSPë P°PiPSPsPµ.

P—P°CÍC,PsCÍCrPIP°PSPSCII PePsC„PµC—PSCr

Pj PSPsPIPsPSP°CñPsPrP¶PµPSPëC..., PjP°C,PµCñC- CIIPePëC... P·P°CÍC,PsCÍPsPICrPIP°P»Pë
PIPëCÍPsPeC- PrPsP·Pë PePsC„PµC—PSCr PrPs PiPsP»PsPiC-PI, P±P°P·PsPICr
PePsPSC†PµPSC,CñP°C†C-Cñ PePsC„PµC—PSCr PI PiP»P°P·PjC- PiPsC,CñC-P±PSPs
PIPëP·PSP°C†PëC,Pë PrPs PiPsC†P°C,PeCr C,PµCñP°PiC-C— PePsC„PµC—PSCr C†PëC,CñP°C,PsPj,
PsCÍPeC-P»ChPePë PePsC„PµC—PS PiCñPsPSPëPeP°C" C†PµCñPµP· PiP»P°C†PµPSC,Cr PI
PsCñPiP°PSC-P·Pj PiP»PsPrP°.

PñP°C,PµCñC-, PSPµPjPsPIP»CII,C,P° CIIPePëC... PiCñPsC...PsPrCII,C,Ch C,PµCñP°PiC-Cñ
PePsC„PµC—PSCr C†PëC,CñP°C,PsPj, PSPµ PiPsPIPëPSPSC- PIP¶PëPIP°C,Pë C—P¶Cr,
PSP°PiPsC— P°P±Ps P·P°CÍC,PsCÍPsPICrPIP°C,Pë P»C-PeP°CñCÍChPeC- P·P°CÍPsP±Pë, C%Ps
PjC-CÍC,CII,C,Ch PePsC„PµC—PS, PsCÍPeC-P»ChPePë PePsC„PµC—PS PiPsC,CñP°PiP»CII,C"
PrPs PiCñCrPrPSPsPiPs PjPsP»PsPeP°.

PÿPµPsC„C-P»C-PS

Pj PSPsPIPsPSP°CñPsPrP¶PµPSPëC..., CIIPeC- PsPrPµCñP¶CrPIP°P»Pë C,PµCñP°PiC-Cñ
C,PµPsC„C-P»C-PSPsPj, PSPµPsP±C...C-PrPSPs PIPëP·PSP°C†PëC,Pë P±P°P·PsPICr
PePsPSC†PµPSC,CñP°C†C-Cñ PePsC„PµC—PSCr, PiPµCñC€ PSC-P¶ CñPsP·PiPsC†P°C,Pë
C,PµCñP°PiC-Cñ PePsC„PµC—PSCr C†PëC,CñP°C,PsPj, PsCÍPeC-P»ChPePë Cr
PSPsPIPsPSP°CñPsPrP¶PµPSPëC... C,PµPsC„C-P»C-PS PjPµC,P°P±PsP»C-P·CrC"C,ChCÍCII Cr
PePsC„PµC—PS.

P·PiC-P»PµPiC,PëC†PSC- PSP°PiP°PrPë

PñPsC„PµC—PS C" CÍC,PëPjCrP»CII,C,PsCñPsPj C†PµPSC,CñP°P»ChPSPsC—
PSPµCñPIPsPIPsC— CÍPëCÍC,PµPjPë. PµPsPIC-PrPsPjP»CIIP»PsCÍCII PiCñPs
PµPiC-P»PµPiC,PëC†PSC- PSP°PiP°PrPë PiCñPë PñPsPiPs PiPµCñPµPrPsP·CrPIP°PSPSC-. P—
PsCÍPsP±P»PëPIPsCñ PsP±P°C†PSC-CÍC,Cñ PSPµPsP±C...C-PrPSPs
P·P°CÍC,PsCÍPsPICrPIP°C,Pë PePsC„PµC—PSCr C†PëC,CñP°C, PSPsPIPsPSP°CñPsPrP¶PµPSPëPj,
C%Ps PjP°CñC,Ch CñPsP·P»P°PrPë, PiPsPI·CII·P°PSC- C-P· PµPiC-P»PµPiC,PëC†PSPëPjPë
PSP°PiP°PrP°PjPë.

PÿPµCñC†PµPIPs-CÍCrPrPëPSPSC- CñPµP°PeC†C-C—

PJ PsFiCfP±P»C-PePsPIP°PSPëC... PrPsCfP»C-PrP¶PµPSPSC¶C... P±CfP»Ps
PiC¶PsPrPµPjPsPSCfC,C¶PsPIP°PSPs, C%Ps P·P°CfC,PsCfCfPIP°PSPSC¶ PePsC,,PµC—PSCf
PiC¶PëP·PIPsPrPëC,C¶ PrPs P·P±C-P»CHC¶PµPSPSC¶ C±P°CfC,PsC,Pë CfPµC¶C†PµPIPëC...
CfPePsC¶PsC±PµPSC¶, PIPëPePëPrCf PsP±'C"¶Cf PeC¶PsPIC- P· P»C-PIPsPiPs
C¶P»CfPSPsC±PeP° CfPµC¶C†C¶ C- CfPëCfC,PsP»C-C±PSPsPiPs PsP±'C"¶Cf CfPµC¶C†C¶.
PÿP°PePëPj C±PëPSPsPj PePsC,,PµC—PSCf C†PëC,C¶P°C, PSPµPsP±C...C-PrPSPs
P·P°CfC,PsCfPsPICfPIP°C,Pë P· PsP±PµC¶PµP¶PSC-CfC,C¶ PSPsPIPsPSP°C¶PsPrP¶PµPSPëPj
C-P· CfPµC¶C†PµPIPs-CfCfPrPëPSPSPëPjPë P·P°C...PIPsC¶C¶PIP°PSPSC¶PjPë. P†CfPSCfC"
PrPsPeP°P· C,PsPiPs, C%Ps PePsC,,PµC—PS CfPiC¶PëC±PëPSC¶C" C,P°C...C-P°C¶PëC,PjC-C¶ Cf
CfC...PëP»CHPSPëC... PrPs C†CHPsPiPs P»C¶PrPµPµ. PJ PSPsPIPsPSP°C¶PsPrP¶PµPSPëC...
C†Pµ P·P°P·PIPëC±P°Pµ PiC¶PsC¶PIP»C¶C" C,CHCfC¶ CfPëPSCfCfPsPIPsC¶
C,P°C...C-PeP°C¶PrC-C" C¶. PiPeC%Ps P±CfP»Pë C¶PeC-CfC¶ PSPµP·PIPëC±P°PµPSC-
PiPsC¶CfC¶PµPSPSC¶ C¶PëC,PjCf PSP° PeP°C¶PrC-PsC,PsPePsPiC¶P°C,,C- (P¶PÿP") PrPs
PSP°C¶PsPrP¶PµPSPSC¶ PrPëC,PëPSPë, PePsC,,PµC—PSCf C†PëC,C¶P°C, CfP»C-Pr
PIPIPsPrPëC,Pë P· PsP±PµC¶PµP¶PSC-CfC,C¶.

PkPëC¶PePsPIP° C,P° PiPµC±C-PSPePsPIP° PSPµPrPsCfC,P°C,PSC-CfC,C¶

PkPµPrPsPSPsC¶PµPSPëPj PSPsPIPsPSP°C¶PsPrP¶PµPSPëPj P· PiPsC¶CfC¶PµPSPSC¶Pj
C,,CfPSPeC†C-C— PSPëC¶PsPe P°P±Ps PiPµC±C-PSPePë PIPIPsPrPëC,Pë PePsC,,PµC—PSCf
C†PëC,C¶P°C, PSPµPsP±C...C-PrPSPs P· PsP±P°C±PSC-CfC,C¶. PJ
PiC-CfP»C¶C¶PµC" CfC,C¶P°C†C-PµPSPëC... PrPsCfP»C-PrP¶PµPSPSC¶C... P· P±PµP·PiPµPePë
C±P°CfC,PsC,P° PiPsP±C-C±PSPëC... C¶PµP°PeC†C-Pµ Cf PSPµPIPµP»PëPePsC—
PeC-P»CHPePsCfC,C- PrCfP¶Pµ PSPµPrPsPSPsC¶PµPSPëC... PSPµPjPsPIP»C¶C, P·
PSPëC¶PePsPIPsC¶/PiPµC±C-PSPePsPIPsC¶ PSPµPrPsCfC,P°C,PSC-CfC,C¶
PIPëC¶PIPëP»P°CfC¶ PIPëC%PsC¶ PiPsC¶C-PIPsC¶PSPs P· C,P°PePsC¶ Cf
PSPµPrPsPSPsC¶PµPSPëC... PSPµPjPsPIP»C¶C, P· PSPsC¶PjP°P»CHPSPsC¶ C¶PsP±PsC,PsC¶
PsC¶PiP°PSC-PI. P—P°PrP»C¶ CfPSPëPePSPµPSPSC¶ C-PSC,PsPeCfPëPeP°C†C-C— PrP»C¶
C†C-C" C— PeP°C,PµPiPsC¶C-C— PiP°C†C-C" PSC,C-PI PrPsP·Pë PSPµPsP±C...C-PrPSPs
PIPëP·PSP°C±P°C,Pë PSP° PsCfPSPsPIC- PjPsPSC-C,PsC¶PëPSPiCf PePsPSC†PµPSC,C¶P°C†C-C—
PePsC,,PµC—PSCf PI PiP»P°P·PjC-.

PkPµPeC¶PsC,PëC±PSPëPµ PµPSC,PµC¶PsPePsP»C-C,

PkPµPeC¶PsC,PëC±PSPëPµ PµPSC,PµC¶PsPePsP»C-C, C" PiPsC¶PëC¶PµPSPsC¶
PiC¶PëC±PëPSPsC¶ P·P°C...PIPsC¶C¶PIP°PSPsCfC,C- C,P° CfPjPµC¶C,PSPsCfC,C- CfPµC¶PµPr
PSPµPrPsPSPsC¶PµPSPëC... PSPsPIPsPSP°C¶PsPrP¶PµPSPëC.... P,, PiPsPIC-PrPsPjP»PµPSPSC¶
PiC¶Ps PjPsP¶P»PëPIPëPµ P·PI'C¶P·PsPe PjC-P¶ P·P°CfC,PsCfCfPIP°PSPSC¶Pj
PjPµC,PëP»PeCfP°PSC,PëPSC-PI C- C¶PsP·PIPëC,PePsPj PSPµPeC¶PsC,PëC±PSPsPiPs
PµPSC,PµC¶PsPePsP»C-C,Cf. PhPrPSP°Pe PiC¶PëC±PëPSPSPs-PSP°CfP»C-PrPePsPIPëPµ
P·PI'C¶P·PsPe PjC-P¶ P·P°CfC,PsCfCfPIP°PSPSC¶Pj PePsC,,PµC—PSCf P°P±Ps C-PSC¶PëC...
PjPµC,PëP»PeCfP°PSC,PëPSC-PI C,P° PSPµPeC¶PsC,PëC±PSPëPj PµPSC,PµC¶PsPePsP»C-C,PsPj
PSPµ P±CfPI PICfC,P°PSPsPIP»PµPSPëPµ. PJCfC- PSPµPrPsPSPsC¶PµPSC-
PSPsPIPsPSP°C¶PsPrP¶PµPSC-, P° PsCfPsP±P»PëPIPs C,C-, C...C,Ps PsPrPµC¶P¶CfC"
C,PµC¶P°PiC-C¶ PePsC,,PµC—PSCf C†PëC,C¶P°C,PsPj, PiPsPIPëPSPSC- PiC¶PsC...PsPrPëC,Pë
C¶PµC,PµP»CHPSPëPµ PjPsPSC-C,PsC¶PëPSPi C%PsPrPs C¶PsP·PIPëC,PeCf
PSPµPeC¶PsC,PëC±PSPsPiPs PµPSC,PµC¶PsPePsP»C-C,Cf.

P¶PsC,,PµC—PSCf C†PëC,C¶P°C, CfP»C-Pr P·P°CfC,PsCfPsPICfPIP°C,Pë P·
PsP±PµC¶PµP¶PSC-CfC,C¶ PrC-C,C¶Pj P· PiP°CfC,C¶PsPµP·PsC,,P°PiPµP°P»CHPSPëPj
C¶PµC,,P»C¶PeCfPsPj, C,PsPjCf C%Ps P»C-PeCfPIP°PSPSC¶ PjPsP¶Pµ PiPsCfPëP»PëC,Pë
C†PµPµ CfC,P°PS.

РлPsC,,PμC—PSCr C†PëC,CḡP°C, PíCḡPëCíPëPsCḡCḡC” PjPμC,P°P±PsP»C-P·Pj, C%Ps PjPsP¶Pμ PíCḡPëP·PIPμCíC,Pë PrPs PíC-PrPIPëC%PμPSPSC¶ PíPsC,CḡPμP±Pë PI PμPSPμCḡPíC-C— C,P° C...P°CḡC†CíPIP°PSPSC- PíCḡPsC,C¶PíPsPj C,PμCḡP°PíC-C—.

P”C-CrCḡPμP· C,P° PIC,CḡP°C,P° PμP»PμPeC,CḡPsP»C-C,C-PI, CíPíCḡPëC†PëPSPμPSC- PePsC,,PμC—PSCr C†PëC,CḡP°C,PsPj, PjPsP¶CíC,CH PíPsC,CḡPμP±CíPIP°C,Pë PePsCḡPμPeC†C-C— PíPsPrPSPsPíPs C,P° PμP»PμPeC,CḡPsP»C-C,PSPsPíPs P±P°P»P°PSCíCí.

P’PjC-CíC, PSP°C,CḡC-Cḡ

PíPμPNë P»C-PeP°CḡCíCḡPëPëPNë P·P°CíC-P± PjC-CíC,PëC,CH PjPμPSC€Pμ 1 PjPjPsP»CH (23 PjPi) PSP°C,CḡC-Cḡ PSP° PrPsP·Cí, C,PsP±C,Ps PíCḡP°PeC,PëC†PSPs PIC-P»CHPSPëPNë PIC-Pr PSP°C,CḡC-Cḡ.

P—P°CíC,PsCíC¿PIP°PSPSC¶ C¿ PíPμCḡC-PsPr PIP°PíC-C,PSPSCíC,C- P°P±Ps PíPsPrC¿PIP°PSPSC¶ PíCḡC¿PrPrCḡ.

P’P°PíC-C,PSC-CíC,CH

PJ PrPsCíP»C-PrP¶PμPSPSC¶C... PSP° C,PIP°CḡPëPSP°C... PePsC,,PμC—PS Cr PIPëCíPsPePëC... PrPsP·P°C... PíCḡPsPrPμPjPsPSCíC,CḡCíPIP°PI PμPjP±CḡC-PsC,PsPeCíPëC†PSC-CíC,CH C,P° C,PμCḡP°C,PsPíPμPSPSC-CíC,CH. PíC- PμC,,PμPeC,Pë PIC-PrCíCíC,PSC- PíCḡPë PePsCḡPsC,PePsCíC,CḡPsPePsPIPsPjCí PíPIPμPrPμPSPSC- Cr PSPμPrPsPSPsC€PμPSPëC... PSPsPIPsPSP°CḡPsPrP¶PμPSPëC....

P>P°PeC,P°C†C-C¶

РлPsC,,PμC—PS PIPëPrC-P»C¶C”C,CHCíC¶ Cí PíCḡCíPrPSPμ PjPsP»PsPePs C,P° C€PIPëPrPePs PíCḡPsPSPëPeP°C” C†PμCḡPμP· PíP»P°C†PμPSC,Cí Cí PeCḡPsPIPsPsP±C-Pi PíP»PsPrP°.

PḡP°C,PμCḡC¶Pj, PSPsPIPsPSP°CḡPsPrP¶PμPSC- PrC-C,Pë C¶PePëC... PsPrPμCḡP¶CíCḡC,CH C,PμCḡP°PíC-Cḡ PePsC,,PμC—PSCr C†PëC,CḡP°C,PsPj, CíP»C-Pr CíPSPëPeP°C,Pë PIP¶PëPIP°PSPSC¶ C—P¶C-, PSP°PíPsC—PI C,P° P·P°CíC,PsCíCíPIP°PSPSC¶ P»C-PeP°CḡCíCḡPëPëC... P·P°CíPsP±C-PI, C%Ps PjC-CíC,C¶C,CH PePsC,,PμC—PS.

PJ PSPsPIPsPSP°CḡPsPrP¶PμPSPëC..., PjP°C,PμCḡC- C¶PePëC... P·P°CíC,PsCíPsPICíPIP°P»Pë PIPëCíPsPeC- PrPsP·Pë PePsC,,PμC—PSCr PrPs PíPsP»PsPíC-PI, P±P°P·PsPICí PePsPSC†PμPSC,CḡP°C†C-Cḡ PePsC,,PμC—PSCr PI PíP»P°P·PjC- PíPsC,CḡC-P±PSPs PIPëP·PSP°C†PëC,Pë PrPs PíPsC†P°C,PeCí C,PμCḡP°PíC-C— PePsC,,PμC—PSCr C†PëC,CḡP°C,PsPj.

PḡPμCḡC,PëP»CHPSC-CíC,CH

P’PíP»PëPI PSP° CḡPμPíCḡPsPrCíPeC,PëPIPSCr CíPëCíC,PμPjCí, C%Ps CíPíPsCíC,PμCḡC-PíP°PICíC¶ Cí C,PIP°CḡPëPS, PSPμ PjP°C” PIC-PrPSPsC€PμPSPSC¶ PrP»C¶ PNëPsPíPs PíPsPeP°P·P°PSCḡ Cí PSPμPrPsPSPsC€PμPSPëC... PSPsPIPsPSP°CḡPsPrP¶PμPSPëC....

P—PrP°C,PSC-CíC,CH PíPíP»PëPIP°C,Pë PSP° C€PIPëPrPeC-CíC,CH CḡPμP°PeC†C-C— PíCḡPë PePμCḡC¿PIP°PSPSC- P°PIC,PsC,CḡP°PSCíPíPsCḡC,PsPj P°P±Ps C-PSC€PëPjPë PjPμC...P°PSC-P·PjP°PjPë.

P'PëPr PrPsP·Pë	P''PsP·P° PePsC,,PμC—PSCř C†PëC,CĤP°C,Cř (PjPi/PePi PjP°CřPë C,C—P»P°)	P''PsP·P° PePsC,,PμC—PSCř C†PëC,CĤP°C,Cř (PjPi/PePi PjP°CřPë C,C—P»P°)	PřPiPsCřC—P± PIPiPμPrPμPSPSCĬ	P\$P°CřC,PsC,P°
PJPrP°CĤPSP° PrPsP·P°	1,0 PjP»/PePi PjP°CřPë C,C—P»P°	20 PjPi/PePi PjP°CřPë C,C—P»P°	P'PSCřC,CĤC—C€PSCĤPsPIPμPSPSP° C—PSC,,CřP·C—CĬ (PiCĤPsC,CĬPiPsPj 30 C...PIPëP»PëPS)	PhPrPëPS CĤP°P·

$P_{\mu}C-PrC, C\tilde{H}P\tilde{e}PjCfPIP^{\circ}P \gg CH\tilde{H}PSP^{\circ}$ $PrPsP \cdot P^{*}$	$0,25 PjP \gg /PePi$ $PjP^{\circ}C\tilde{I}P\tilde{e}$ $C, C-P \gg P^{\circ}$	$5 PjPi/PePi$ $PjP^{\circ}C\tilde{I}P\tilde{e}$ $C, C-P \gg P^{\circ}$	$P^{\circ}PSCrC, C\tilde{H}C-C\tilde{e}PSC\tilde{H}PsPIP_{\mu}PSPSP^{\circ}$ $C-PSC, CrP \cdot C-C\tilde{I}$ ($PiC\tilde{H}PsC, C\tilde{I}PiPsPj$ $10 C \dots PIP\tilde{e}P \gg P\tilde{e}PS$) $P^{\circ}P \pm Ps$ $PiP_{\mu}C\tilde{H}PsC\tilde{H}P^{\circ}P \gg CH\tilde{H}PSP_{\mu}$ $PIPIP_{\mu}PrP_{\mu}PSPSC\tilde{I}$	$P_{\mu}PsP \parallel PSC-24$ $PiPsPrP\tilde{e}PSP\tilde{e}^{*}$
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* $P_{\mu}PsC \ddagger P^{\circ}C, PsPe$ $PIPIP_{\mu}PrP_{\mu}PSPSC\tilde{I}$ $C \ddagger P_{\mu}C\tilde{H}P_{\mu}P \cdot 24$ $PiPsPrP\tilde{e}PSP\tilde{e}$ $PiC-C\tilde{I}P \gg C\tilde{I}$
 $PIPIP_{\mu}PrP_{\mu}PSPSC\tilde{I}$ $CrPrP^{\circ}C\tilde{H}PSPsC- PrPsP \cdot P\tilde{e}$.

Pj $C\tilde{H}P^{\circ}P \cdot C-$ $PIC-PrC\tilde{I}CrC, PSPsC\tilde{I}C, C-$ $PSP^{\circ}P \gg P_{\mu}P \parallel PSPsPiPs$ $C, P_{\mu}C\tilde{H}P^{\circ}PiP_{\mu}PIC, P\tilde{e}C \ddagger PSPsPiPs$
 $P_{\mu}C, P_{\mu}PeC, Cr$ Cr $PSP_{\mu}PrPsPSPsC\tilde{e}P_{\mu}PSP\tilde{e}C \dots PSPsPIPsPSP^{\circ}C\tilde{H}PsPrP \parallel P_{\mu}PSP\tilde{e}C \dots PiC-C\tilde{I}P \gg C\tilde{I}$
 $PIPIP_{\mu}PrP_{\mu}PSPSC\tilde{I}$ $C\tilde{H}P_{\mu}PePsPjP_{\mu}PSPPrPsPIP^{\circ}PSPsC-$ $CrPrP^{\circ}C\tilde{H}PSPsC-$ $PrPsP \cdot P\tilde{e}$
 $PrPsPiC\tilde{I}CrP\tilde{e}P^{\circ}C''C, CHC\tilde{I}C\tilde{I}$ $PIPIP_{\mu}PrP_{\mu}PSPSC\tilde{I}$ $PiPsPIC, PsC\tilde{H}PSPsC-$ $CrPrP^{\circ}C\tilde{H}PSPsC-$
 $PrPsP \cdot P\tilde{e}$ Cr $PjP_{\mu}P \parallel P^{\circ}C \dots 10\tilde{b}\tilde{H}''20$ $PjPi/PePi$ $C \ddagger P_{\mu}C\tilde{H}P_{\mu}P \cdot 24$ $PiPsPrP\tilde{e}PSP\tilde{e}$.

Pj $C\tilde{H}P^{\circ}P \cdot C-$ $PIC-PrC\tilde{I}CrC, PSPsC\tilde{I}C, C-$ $PSP^{\circ}P \gg P_{\mu}P \parallel PSPsPiPs$ $C, P_{\mu}C\tilde{H}P^{\circ}PiP_{\mu}PIC, P\tilde{e}C \ddagger PSPsPiPs$
 $P_{\mu}C, P_{\mu}PeC, Cr$ $PjPsP \parallel PSP^{\circ}$ $C\tilde{H}PsP \cdot PiP \gg C\tilde{I}PSCrC, P\tilde{e}$ $PiP\tilde{e}C, P^{\circ}PSPSC\tilde{I}$ $PiC-PrPIP\tilde{e}C\%P_{\mu}PSPSC\tilde{I}$
 $PiC-PrC, C\tilde{H}P\tilde{e}PjCfPIP^{\circ}P \gg CH\tilde{H}PSPsC-$ $PrPsP \cdot P\tilde{e}$ $PrPs$ 10 $PjPi/PePi$ $C-P$ $CrC\tilde{H}P^{\circ}C \dots CrPIP^{\circ}PSPSC\tilde{I}Pj$
 $PeCfPjCfP \gg C\tilde{I}C \ddagger C-PM\tilde{e}PSPsPiPs$ $PiPsC, P_{\mu}PSC \ddagger C-P^{\circ}P \gg Cr$ $PePsC, P_{\mu}C-PSCr, PiPsPI' C\tilde{I}P \cdot P^{\circ}PSPsPiPs$
 $P \cdot PM\tilde{e}PsPiPs$ $C, C\tilde{H}P\tilde{e}PIP^{\circ}P \gg P\tilde{e}Pj$ $PiP_{\mu}C\tilde{H}C-PsPrPsPj$ $PSP^{\circ}PiC-PIPIP\tilde{e}PIP_{\mu}PrP_{\mu}PSPSC\tilde{I}$ Cr
 $PSP_{\mu}PrPsPSPsC\tilde{e}P_{\mu}PSP\tilde{e}C \dots PSPsPIPsPSP^{\circ}C\tilde{H}PsPrP \parallel P_{\mu}PSP\tilde{e}C \dots, C, P^{\circ}$
 $PiC\tilde{H}PsPiC\tilde{H}P_{\mu}C\tilde{I}P\tilde{e}PIPSPsPiPs$ $PiC-PrPIP\tilde{e}C\%P_{\mu}PSPSC\tilde{I}$ $P \cdot PrP^{\circ}C, PSPsC\tilde{I}C, C-$
 $PjP_{\mu}C, P^{\circ}P \pm PsP \gg C-P$ $CrPIP^{\circ}C, P\tilde{e}$ $PePsC, P_{\mu}C-PS$ $P \cdot C-$ $P \cdot P \pm C-P \gg CHC\tilde{e}P_{\mu}PSPSC\tilde{I}Pj$
 $PiP_{\mu}C\tilde{I}C, P^{\circ}C \ddagger C-PM\tilde{e}PSPsPiPs$ $PIC-PeCr, P-P^{\circ}$ $PSP^{\circ}C\tilde{I}PIIPSPsC\tilde{I}C, C-$ $PeP \gg C-PSC-C \ddagger PSP\tilde{e}C \dots$
 $PiPsPeP^{\circ}P \cdot P^{\circ}PSC\tilde{H}$ $PSP_{\mu}PsP \pm C \dots C-PrPSPs$ $PePsPSC, C\tilde{H}PsP \gg C\tilde{H}PIP^{\circ}C, P\tilde{e}$ $C\tilde{H}C-PIP_{\mu}PSC\tilde{H}$
 $PePsC, P_{\mu}C-PSCr$ PI $PiP \gg P^{\circ}P \cdot PjC-$ Pj $C\tilde{H}P^{\circ}P \cdot C-$ $PIC-PrC\tilde{I}CrC, PSPsC\tilde{I}C, C-$ $PSP^{\circ}P \gg P_{\mu}P \parallel PSPsPiPs$
 $C, P_{\mu}C\tilde{H}P^{\circ}PiP_{\mu}PIC, P\tilde{e}C \ddagger PSPsPiPs$ $P_{\mu}C, P_{\mu}PeC, Cr$ $PiC-C\tilde{I}P \gg C\tilde{I}$ $PIPIP_{\mu}PrP_{\mu}PSPSC\tilde{I}$
 $PiPsPIC, PsC\tilde{H}PSPsC-$ $CrPrP^{\circ}C\tilde{H}PSPsC-$ $P^{\circ}P \pm Ps$ $PiC-PrC, C\tilde{H}P\tilde{e}PjCfPIP^{\circ}P \gg CH\tilde{H}PSPsC-$ $PrPsP \cdot P\tilde{e}$,
 $C\%Ps$ $C\tilde{I}C, P^{\circ}PSPsPIP\tilde{e}C, CH$ 10 $PjPi/PePi/PrP_{\mu}PSC\tilde{H}$, $PrC-P^{\circ}PiPSPsP \cdot P^{\circ}PiPSPsP_{\mu}$ Cr
 $PSPsPIPsPSP^{\circ}C\tilde{H}PsPrP \parallel P_{\mu}PSP\tilde{e}C \dots PjPsP \parallel P_{\mu}$ $PiPsC, C\tilde{H}P_{\mu}P \pm CrPIP^{\circ}C, P\tilde{e}$ $PiP_{\mu}C\tilde{H}P_{\mu}PiP \gg C\tilde{I}PrCr$.

$P_{\mu}PsC\tilde{H}P\tilde{e}PiC \acute{a}PIP^{\circ}PSPSC\tilde{I}$ $PrPsP \cdot P\tilde{e}$ C, P° $PjPsPSC-C, PsC\tilde{H}P\tilde{e}PSPI$

$P\acute{K}P_{\mu}PsP \pm C \dots C-PrPSPs$ $PiP_{\mu}C\tilde{H}C-PsPrP\tilde{e}C \ddagger PSPs$ $PePsPSC, C\tilde{H}PsP \gg C\tilde{H}PIP^{\circ}C, P\tilde{e}$
 $PePsPSC \ddagger P_{\mu}PSC, C\tilde{H}P^{\circ}C \ddagger C-C-$ $PePsC, P_{\mu}C-PSCr$ PI $PiP \gg P^{\circ}P \cdot PjC-$ $PeC\tilde{H}PsPIC-$ $PiC\tilde{H}PsC, C\tilde{I}PiPsPj$
 $P \gg C-PeCrPIP^{\circ}PSPSC\tilde{I}$ Cr $PIP\tilde{e}PiP^{\circ}PrPeP^{\circ}C \dots, C\tilde{I}PeC\%Ps$ PSP_{μ}
 $C\tilde{I}PiPsC\tilde{I}C, P_{\mu}C\tilde{H}C-PiP^{\circ}C''C, CHC\tilde{I}C\tilde{I}$ $PiPsPeC\tilde{H}P^{\circ}C\%P_{\mu}PSPSC\tilde{I}$ $C\tilde{I}C, P^{\circ}PSCr$ $PiP^{\circ}C \ddagger C-C''PSC, P^{\circ}$
 $P^{\circ}P \pm Ps$ $P \cdot C\tilde{I}PIP\tilde{e}P \gg P\tilde{e}C\tilde{I}C\tilde{I}$ $PsP \cdot PSP^{\circ}PeP\tilde{e}$ $C-PSC, PsPeC\tilde{I}P\tilde{e}PeP^{\circ}C \ddagger C-C-$.

$P\ddot{Y}P^{\circ}PePsP \parallel P \gg C-PeP^{\circ}C\tilde{H}$ $PjPsP \parallel P_{\mu}$ $PiC\tilde{H}P\tilde{e}PM\tilde{e}PSC\tilde{I}C, P\tilde{e}$ $C\tilde{H}C-C\tilde{e}P_{\mu}PSPSC\tilde{I}$ $PiC\tilde{H}Ps$
 $PePsC\tilde{H}P\tilde{e}PiCfPIP^{\circ}PSPSC\tilde{I}$ $PrPsP \cdot P\tilde{e}$ $P \cdot PsPiP \gg C\tilde{I}PrCr$ PSP° $C\tilde{H}P_{\mu}P \cdot CrP \gg CHC, P^{\circ}C, P\tilde{e}$
 $PjPsPSC-C, PsC\tilde{H}P\tilde{e}PSPICr$ $PePsPSC \ddagger P_{\mu}PSC, C\tilde{H}P^{\circ}C \ddagger C-C-$ $PePsC, P_{\mu}C-PSCr$ PI $PiP \gg P^{\circ}P \cdot PjC-$ $P \cdot P^{\circ}$
 $PSP^{\circ}C\tilde{I}PIIPSPsC\tilde{I}C, C-$ $C, P^{\circ}PeC, PsC\tilde{H}C-PI$ $C\tilde{H}P\tilde{e}P \cdot P\tilde{e}PeCr, C, P^{\circ}PeP\tilde{e}C \dots C\tilde{I}Pe$:

- $P \cdot P^{\circ}PjP^{\circ}P \gg P\tilde{e}PM\tilde{e}$ $PiP_{\mu}C\tilde{I}C, P^{\circ}C \ddagger C-PM\tilde{e}PSP\tilde{e}PM\tilde{e}$ $PIC-Pe$ $PiP \gg PsPrP^{\circ}$ (< 28 $C, P\tilde{e}P \parallel PSC-PI$
 $C, P^{\circ}/P^{\circ}P \pm Ps$ $PjP^{\circ}C\tilde{I}P^{\circ}$ $C, C-P \gg P^{\circ}$ < 1000 Pi), $P \cdot PsPeC\tilde{H}P_{\mu}PjP^{\circ}$, $PiC\tilde{H}P\tilde{e}$ $PsPrP_{\mu}C\tilde{H}P \parallel P^{\circ}PSPSC-$
 $PiP^{\circ}C\tilde{H}P_{\mu}PSC, P_{\mu}C\tilde{H}P^{\circ}P \gg CH\tilde{H}PSPsPiPs$ $C \dots P^{\circ}C\tilde{H}C \ddagger CrPIP^{\circ}PSPSC\tilde{I}$;

- $PSP^{\circ}C\tilde{I}PIIPSC-C\tilde{I}C, CH$ Cr $PSP_{\mu}PjPsPIP \gg C\tilde{I}C, P\tilde{e}$ $PiP_{\mu}C \ddagger C-PSPePsPIPsC-$ $P^{\circ}P \pm Ps$
 $PSP\tilde{e}C\tilde{H}PePsPIPsC-$ $PSP_{\mu}PrPsC\tilde{I}C, P^{\circ}C, PSPsC\tilde{I}C, C-$;

- $PSP^{\circ}C\tilde{I}PIIPSC-C\tilde{I}C, CH$ Cr $PSP_{\mu}PjPsPIP \gg C\tilde{I}C, P\tilde{e}$ $P_{\mu}PiC-P \gg P_{\mu}PiC\tilde{I}C-C-$;

- PSP°CЏIPISC-ĆŦC,CH ĆŦ PSPµPjPsPIP»CЏC,Pë PIC-PrPsPjPsC— PeP»C-PSC-C‡PSPs P·PSP°C‡ĆŦC%PsC— ĆŦPµCĤC‡PµPIPsC— PSPµPrPsĆŦC,P°C,PSPsĆŦC,C-;

- PïP°CĤP°P»PµP»CHPSPµ PIPµPrPµPSPSCЏ PSPµPjPsPIP»CЏC,P°Pj P»C-PeP°CĤĆŦCHPePëC... P·P°ĆŦPsP±C-PI, C%Ps PIPïP»PëPIP°CĤC,CH PSP° PjPµC,P°P±PsP»C-P·Pj PePsC,,PµC—PSCŦ;

- PïCĤPëPNëPsPj PePsC,,PµC—PSCŦ PjP°C,C-CĤ'Ĥ ĆŦ PïPµCĤC-PsPr PïCĤĆŦPrPSPsPiPs PiPsPrĆŦPIP°PSPSCЏ.

P PµPePsPjPµPSPŦĆŦC”C,CHĆŦCЏ PIPëP·PSP°C‡PëC,Pë P±P°P·PsPIPëPNë CĤC-PIPµPSCĤ PePsC,,PµC—PSCŦ;

- ĆŦ PrC-C,PµPNë, PjP°C,PµCĤC- CЏPePëC... PïCĤPëPNëPjP°P»Pë PIPµP»PëPeĆŦ PeC-P»CHPeC-ĆŦC,CH PePsC,,PµC—PSCŦ PrPs PïPsP»PsPiC-PI;

- ĆŦ PrC-C,PµPNë, CЏPeC- CĤP°PSC-CëPµ PsPrPµCĤP¶ĆŦPIP°P»Pë C,PµPsC,,C-P»C-PS, C%Ps PjPµC,P°P±PsP»C-P·ĆŦC”C,CHĆŦCЏ ĆŦ PePsC,,PµC—PS.

PµPµCĤC-PsPr PSP°PïC-PIPIPëPIPµPrPµPSPSCЏ PePsC,,PµC—PSCŦ ĆŦ PSPµPrPsPSPsCëPµPSPëC... PSPsPIPsPSP°CĤPsPrP¶PµPSPëC... C” C,CĤPëPIP°P»C-CëPëPj P·P° P·PIPëC‡P°PNëPSPëPNë, P° ĆŦ P·PI'CЏP·PeĆŦ P· PNëPsPiPs PIPëĆŦPsPePëPj PïPsC,PµPSC‡C-P°P»PsPj PrPs PeĆŦPjĆŦP»CЏC‡C-C—, PjPsP¶Pµ P±ĆŦC,Pë PïPsC,CĤC-P±PSPëPNë P±C-P»CHCë C,CĤPëPIP°P»PëPNë PjPsPSC-C,PsCĤPëPSPi ĆŦC,P°PSCŦ PrC-C,PµPNë, CЏPeC- PïCĤPsPNëCëP»Pë P±C-P»CHCë C,CĤPëPIP°P»Pµ P»C-PeĆŦPIP°PSPSCЏ.

P—CĤP°P·PePë PeCĤPsPIC- PrP»CЏ PjPsPSC-C,PsCĤPëPSPiĆŦ PSPµPsP±C...C-PrPSPs PIC-PrP±PëCĤP°C,Pë P±PµP·PïPsĆŦPµCĤPµPrPSCĤPs PïPµCĤPµPr PIPµPrPµPSPSCЏPj PSP°ĆŦC,ĆŦPïPSPsC— PrPsP·Pë ĆŦ CĤP°P·C- PIC-PrĆŦĆŦC,PSPsĆŦC,C- PµC,,PµPeC,PëPIPSPsĆŦC,C- C,PµCĤP°PïPµPIC,PëC‡PSPsPiPs P»C-PeĆŦPIP°PSPSCЏ C,P° C‡PµCĤPµP· 2бĤ“4 PiPsPrPëPSPë PïC-ĆŦP»CЏ PIPµPrPµPSPSCЏ ĆŦ CĤP°P·C- PïC-PrPsP·CĤPë PSP° C-PSC,PsPeĆŦPëPeP°C‡C-CĤ.

PќPµP·PIP°P¶P°CĤC‡Pë PSP° C,Pµ, C%Ps C,PµCĤP°PïPµPIC,PëC‡PSPëPNë CĤC-PIPµPSCĤ PePsC,,PµC—PSCŦ PI PïP»P°P·PjC- PSPµ PIPëP·PSP°C‡PµPSPs PI PsPïĆŦP±P»C-PePsPIP°PSPëC... PrP¶PµCĤPµP»P°C..., PïC-Pr C‡P°ĆŦ PrPsĆŦP»C-PrP¶PµPSCĤ CĤC-PIPµPSCĤ PePsC,,PµC—PSCŦ, C%Ps P°ĆŦPsC‡C-CĤPIP°PICŦCЏ P· C,PµCĤP°PïPµPIC,PëC‡PSPsCĤ PµC,,PµPeC,PëPIPSC-ĆŦC,CH, P·PSP°C...PsPrPëPICŦCЏ ĆŦ PjPµP¶P°C... PIC-Pr 8 PrPs 30 PjPi/P». PµPëC,P°PSPSCЏ P±PµP·PïPµPePë P·P°P·PIPëC‡P°PNë PSPµ PïC-PrPSC-PjP°P»PëĆŦCЏ ĆŦ CĤP°P·C- PïPµCĤPµP±ĆŦPIP°PSPSCЏ CĤC-PIPSCЏ PePsC,,PµC—PSCŦ ĆŦ PjPµP¶P°C... PrPs 50 PjPi/P».

PÿCĤPëPIP°P»C-ĆŦC,CH C,PµCĤP°PïC-C—

PĥPïC,PëPjP°P»CHPSCŦ C,CĤPëPIP°P»C-ĆŦC,CH P»C-PeĆŦPIP°PSPSCЏ PSPµ PIPëP·PSP°C‡PµPSPs. Pj CĤPµP·ĆŦP»CHC,P°C,P°C... PSPµC%PsPrP°PIPSPs PïCĤPsPIPµPrPµPSPsPiPs P±P°PiP°C,PsC‡PµPSC,CĤPsPIPsPiPs PrPsĆŦP»C-PrP¶PµPSPSCЏ P·P° ĆŦC‡P°ĆŦC,CH PSPµPrPsPSPsCëPµPSPëC... PSPsPIPsPSP°CĤPsPrP¶PµPSPëC... PïPsPIC-PrPsPjP»CЏP»PsĆŦCH PïCĤPs C,CĤPëPIP°P»C-ĆŦC,CH C,PµCĤP°PïC-C—, CЏPeP° ĆŦC,P°PSPsPIPëP»P° 37 PrPSC-PI.

Pj PeP»C-PSC-C‡PSC-PNë PïCĤP°PeC,PëC‡C- P»C-PeĆŦPIP°PSPSCЏ P·P°P·PIPëC‡P°PNë C,CĤPëPIP°P»Ps PrPs PrPsĆŦCЏPiPSPµPSPSCЏ PSPsPIPsPSP°CĤPsPrP¶PµPSPëPjPë

PiPμCfC,P°C†C-PMSPSPsPiPs PIC-PeCr 37 C,PëP¶PSC-PI, Cr PjPμP¶P°C... C¶PePsPiPs
PiPμC¶PIPëPSPSPμ P°PiPSPsPμ P·P°P·PIPëC†P°PNë PiC¶PsC...PsPrPëC,CH. PhPrPSP°Pe C†Pμ
PsP±PjPμP¶PμPSPSC¶ PjPsP¶Pμ P±CrC,Pë PiPμC¶PμPiP»C¶PSCrC,Pμ P»C-PeP°C¶PμPj PI
PsPeC¶PμPjPëC... PIPëPiP°PrPeP°C... P·P°P»PμP¶PSPs PIC-Pr PμC,,PμPeC,PëPIPSsCfC,C-
P»C-PeCrPIP°PSPSC¶, PSP°C¶PIPSsCfC,C- PIPëPiP°PrPeC-PI P°PiPSPsPμ,
PSPμP·PIP°P¶P°C¶Pë PSP° C,PμC¶P°PiC-C¶, P°P±Ps C-PSCëPëC... PeP»C-PSC-C†PSPëC...
C,,P°PeC,PsC¶C-PI. P PμPePsPjPμPSPrCrC"C,CHCfC¶ PiC¶PëPiPëPSPëC,Pë PIPIPμPrPμPSPSC¶
PePsC,,PμC—PSCr C†PëC,C¶P°C,Cr Cr C¶P°P·C- PIC-PrCfCfC,PSPsCfC,C- P·PSP°C†CrC%PëC...
PIPëPiP°PrPeC-PI P°PiPSPsPμ PiC¶PsC,C¶PiPsPj 5b¶"7 PrPSC-PI.

PJ C¶P°P·C- PiPsPIC,PsC¶PSPëC... PiC¶PsC¶PIC-PI P°PiPSPsPμ PIPIPμPrPμPSPSC¶
PePsC,,PμC—PSCr C†PëC,C¶P°C,Cr PSPμPsP±C...C-PrPSPs PIC-PrPSPsPIPëC,Pë P·
PiC-PrC,C¶PëPjCrPIP°P»CHPSPsC— PrPsP·Pë P°P±Ps PiPsP»PsPIPëPSPë CrPrP°C¶PSPsC—
PrPsP·Pë P·P°P»PμP¶PSPs PIC-Pr PiC¶PsPjC-P¶PeCr C†P°CfCfC PjC-P¶ PiC¶PëPiPëPSPμPSPSC¶Pj
PIPIPμPrPμPSPSC¶ PePsC,,PμC—PSCr C†PëC,C¶P°C,Cr C,P° PIC-PrPSPsPIP»PμPSPSC¶Pj
PIPëPiP°PrPeC-PI P°PiPSPsPμ.

PJ P·PI'C¶P·PeCr P· CrPiPsPIC-P»CHPSPμPSPëPj PIPëPIPμPrPμPSPSC¶Pj PePsC,,PμC—PSCr Cr
C†C-C"C— PiC¶CrPiPë PiP°C†C-C"PSC,C-PI PIPëPjPsPiPë C%PsPrPs P·PSPëP¶PμPSPSC¶
PrPsP·Pë C,P° PiC¶PëPiPëPSPμPSPSC¶ P»C-PeCrPIP°PSPSC¶ PIC-PrCfCfC,PSC-.

PJ P·PI'C¶P·PeCr P· C¶PëP·PëPePsPj PiPsPIC,PsC¶PSPëC... PIPëPiP°PrPeC-PI P°PiPSPsPμ
PiC-CfP»C¶ PiC¶PëPiPëPSPμPSPSC¶ C,PμC¶P°PiC-C— PePsC,,PμC—PSCr C†PëC,C¶P°C,PsPj
PSPμPsP±C...C-PrPSPs PiC¶PsPrPsPIP¶CrPIP°C,Pë PjPsPSC-C,PsC¶PëPSPi CfC,P°PSCr
PiP°C†C-C"PSC,P° PiC¶PsC,C¶PiPsPj PiC¶PëP±P»PëP·PSPs PsPrPSPsPiPs C,PëP¶PSC¶.

PμPμC†C-PSPePsPIP° C,P° PSPëC¶PePsPIP° PSPμPrPsCfC,P°C,PSC-CfC,CH

P"PsCfPIC-Pr C%PsPrPs P·P°CfC,PsCfCfPIP°PSPSC¶ PiP°C†C-C"PSC,P°Pj C-P·
PiPsC¶CrCëPμPSPSC¶PjPë C,,CrPSPeC†C-C— PSPëC¶PsPe C,P° PiPμC†C-PSPePë
PsP±PjPμP¶PμPSPëPNë. PJ PiC-CfP»C¶C¶PμC"CfC,C¶P°C†C-PMSPëC...
PrPsCfP»C-PrP¶PμPSPSC¶C... P· P±PμP·PiPμPePë C†P°CfC,PsC,P° PiPsP±C-C†PSPëC...
C¶PμP°PeC†C-PM Cr PSPμPIPμP»PëPePsC— PeC-P»CHPePsCfC,C- PrCrP¶Pμ
PSPμPrPsPSPsCëPμPSPëC... PSPμPjPsPIP»C¶C, P· PSPëC¶PePsPIPsC¶/PiPμC†C-PSPePsPIPsC¶
PSPμPrPsCfC,P°C,PSC-CfC,C¶ PIPëC¶PIPëP»P°CfC¶ PIPëC%PsC¶ PiPsC¶C-PIPS¶PSPs P·
C,P°PePsC¶ Cr PSPμPrPsPSPsCëPμPSPëC... PSPμPjPsPIP»C¶C, P±PμP· PiPsC¶CrCëPμPSPSC¶
C¶PsP±PsC,Pë PsC¶PiP°PSC-PI.

P—P° PSP°C¶PIPSsCfC,C- PSPëC¶PePsPIPsC— PSPμPrPsCfC,P°C,PSPsCfC,C-
PeCrPjCrP»C¶C†C-PMSPëPNë PiPsC,PμPSC†C-P°P» P·C¶PsCfC,P°C". PkPμPsP±C...C-PrPSPs
P·PjPμPSCëPëC,Pë C%PsPrPμPSPSCr PiC-PrC,C¶PëPjCrPIP°P»CHPSCr PrPsP·Cr
PePsC,,PμC—PSCr C†PëC,C¶P°C,Cr PIC-PrPiPsPIC-PrPSPs PrPs PiPsPeP°P·PSPëPeP° C¶C-PIPS¶
PePsC,,PμC—PSCr PI PiP»P°P·PjC-.

PJ PiP°C†C-C"PSC,C-PI P· PrCrP¶Pμ PjP°P»PëPj PiPμCfC,P°C†C-PMSPëPj PIC-PePsPj
PeP»C-C¶PμPSCf PePsC,,PμC—PSCr PSPμ P·P°P»PμP¶PëC,CH PIC-Pr C,,CrPSPeC†C-C—
PiPμC†C-PSPePë. PμPμC†C-PSPePsPIPëPNë PjPμC,P°P±PsP»C-P·Pj PePsC,,PμC—PSCr
C¶PsP·PIPëPiP°C"C,CHCfC¶ PiPsCfC,CrPiPsPIPs PiC¶PsC,C¶PiPsPj PrPμPeC-P»CHPePsC...
C,PëP¶PSC-PI PiC-CfP»C¶ PSP°C¶PsPrP¶PμPSPSC¶, P° Cr PSPμPjPsPIP»C¶C,
CfC,P°C¶CëPsPiPs PIC-PeCr PiPμC†C-PSPePsPIP° PSPμPrPsCfC,P°C,PSC-CfC,CH PjPsP¶Pμ
PIPëPjP°PiP°C,Pë PjPsPSC-C,PsC¶PëPSPiCr C¶C-PIPS¶ PePsC,,PμC—PSCr PI PiP»P°P·PjC- C,P°
PePsC¶PëPiCrPIP°PSPSC¶ PrPsP·Pë.

PŸPĩPsCÍC-P± PIPIPµPrPµPSPSCII

PµPsC,,PµC—PSCr C†PëC,CĤP°C, PjPsP¶PSP° PIPIPsPrPëC,Pë PjPµC,PsPrPsPj
PIPSCrC,CĤC-C€PSCĤPsPIPIµPSPSPsC— C-PSC,,CÍP·C-C— P°P±Ps PĩPµCĤPsCĤP°P»CHbPSPs.
PĥPµ PrPsPĩCÍCÍPëP°C”C,CHbCÍCII PIPIPµPrPµPSPSCII P»C-PëP°CĤCÍCĤbPePsPiPs
P·P°CÍP±CÍ PjPµC,PsPrPsPj PIPSCrC,CĤC-C€PSCĤPsPj'CIIP·PsPIPsC—,
PĩC-PrC€PëC-CĤPSPsC—, C-PSC,CĤP°C,PµPëP°P»CHbPSPsC— P°P±Ps
C-PSC,CĤP°PĩPµCĤPëC,PsPSPµP°P»CHbPSPsC— C-PS'C”PëC†C-C—.

PµCĤPë PIPSCrC,CĤC-C€PSCĤPsPIPIµPSPSPsPjCÍ PIPIPµPrPµPSPSC- PëPsC,,PµC—PSCr
C†PëC,CĤP°C, PIPIPsPrPëC,CHbCÍCII PjPµC,PsPrPsPj PëPsPSC,CĤPsP»CHbPsPIP°PSPsC—
PIPSCrC,CĤC-C€PSCĤPsPIPIµPSPSPsC— C-PSC,,CÍP·C-C— P· PIPëPePsCĤPëCÍC,P°PSPSCII Pj
C-PSC,,CÍP·C-PNëPSPsPiPs C€PĩCĤPëC†PµPIPsPiPs PSP°CÍP±CÍP° P°P±Ps C-PSC€PsPiPs
PĩCĤPëCÍC,CĤPsCĤ PrP»CII PëPsPSC,CĤPsP»CHbPsPIP°PSPëC... C-PSC,,CÍP·C-PNë.
PµPsC,,PµC—PSCr C†PëC,CĤP°C, PjPsP¶PSP° PIPIPsPrPëC,Pë P±PµP· CĤPsP·PIPIµPrPµPSPSCII
P°P±Ps CĤPsP·PIPIµPrPµPSPëPj CÍC,PµCĤPëP»CHbPSPëPjPë CĤPsP·C†PëPSP°PjPë PrP»CII
C-PSC,,CÍP·C-PNë, C,P°PëPëPjPë CIIPe CĤPsP·C†PëPS PiP»CHbPePsP·Pë 50 PjPi/PjP» (5 %),
PSP°C,CĤC-CĤ C...P»PsCĤPëPr 9 PjPi/PjP» (0,9 %) P°P±Ps PëP°P»CHbC†C-CĤ PiP»CHbPePsPSP°C,
100 PjPi/PjP» (10 %), PSPµPiP°PNëPSPs PĩC-CÍP»CII PIPëP»CÍC†PµPSPSCII P· P°PjPĩCÍP»Pë.

P”C-C,Pë.

PµCĤPµPĩP°CĤP°C, P·P°CÍC,PsCÍPsPICrCĤC,CHb PSPµPrPsPSPsC€PµPSPëPj
PSPsPIPsPSP°CĤPsPrP¶PµPSPëPj.

PµPµCĤPµPrPsP·C±PIP°PSPSCII.

P—PiC-PrPSPs P· PsPĩCÍP±P»C-PëPsPIP°PSPëPjPë PrP°PSPëPjPë, PĩC-CÍP»CII
PĩPµCĤPµPrPsP·CÍPIP°PSPSCII CĤC-PIPIµPSCĤ PëPsC,,PµC—PSCr PI PĩP»P°P·PjC-
PĩPµCĤPµP±CÍPIP°PI CÍ PjPµP¶P°C... PIC-Pr 50 PjPi/P» PrPs 350 PjPi/P».

PŸPëPjPiC,PsPjPë

Pj PĩCÍP±P»C-PëP°C†C-CII C... PĩPsPIC-PrPsPjP»PµPSPSCII PĩCĤPs CÍPëPjPiC,PsPjPë
PĩPµCĤPµPrPsP·CÍPIP°PSPSCII PëPsC,,PµC—PSCr CÍ PSPµPrPsPSPsC€PµPSPëC...
PSPsPIPsPSP°CĤPsPrP¶PµPSPëC... PIPëP»CĤC†P°CĤC,CHb PiC-PĩPµCĤPiP»C-PëPµPjC-CĤ,
PiC-PĩPsPëP°P»C-C”PjC-CĤ, PrCĤC-P±PSPëPNë C,CĤPµPjPsCĤ PëC-PSC†C-PIPsPe,
P·P±CÍPrP¶PµPSPëPNë CÍC,P°PS, PiC-PĩPµCĤC,PsPSC-CĤ, PsPĩC-CÍC,PsC,PsPSCrCÍ,
C,PsPSC-PëPs-PëP»PsPSC-C†PSC- CÍCÍPrPsPjPë, PµPĩC-P»PµPĩC,PëC†PSC- PSP°PĩP°PrPë,
C,P°C...C-PĩPSPsPµ, C,P°C...C-PëP°CĤPrC-CĤ, P±P»CHbPIP°PSPSCII, PĩPsPrCĤP°P·PSPµPSPSCII
C€P»CÍPSPëP°, PëPëC€PëPsPIPs-C€P»CÍPSPëPsPICr PëCĤPsPIPsC,PµC†CÍ, P»PëC...PsPjP°PSPëCÍ,
CÍPëPSPrCĤPsPj PĩC-PrPIPëC%PµPSPsC— PSPµCĤPIPsPIPs-CĤPµC,,P»PµPëC,PsCĤPSPsC—
P·P±CÍPrP¶CÍPIP°PSPsCÍC,C-, PĩC-PrPIPëC%PµPSPëPNë CĤC-PIPIµPSCĤ CÍPµC†PsPIPëPSPë PI
PëCĤPsPIC- C,P° P»PµPNëPëPsC†PëC,PsP·, PSPµPëPsPSC,CĤPsP»CHbPsPIP°PSCr
CĤCÍC...P»PëPIC-CÍC,CHb C%PµP»PµPĩPë C,P° PĩCÍP±. PĥPrPëPS P· PIPëPĩP°PrPëC-PI
PĩPµCĤPµPrPsP·CÍPIP°PSPSCII PëPsC,,PµC—PSCr, CIIPe PĩPsPIC-PrPsPjP»CII C”C,CHbCÍCII,
P±CÍPI CÍCÍPëP»P°PrPSPµPSPëPNë C-PSC,CĤP°PIPIµPSC,CĤPëPëCÍP»CII CĤPSPsCĤ
PëCĤPsPIPsC,PµC†PµCĤ C,P° C,CĤPëPIP°P»PëPjPë PSPµPICĤPsP»PsPiC-C†PSPëPjPë

CrCfPeP»P°PrPSPµPSPSClPjPë. PµPsPIC-PrPsPjP»PµPSPSCl PïCfPs P»PµC,P°P»CHbPSC-
PIPëPïP°PrPePë PIPSP°CfP»C-PrPsPe PïPµCfPµPrPsP·CrPIP°PSPSCl PePsC,,PµC—PSCr
PSPµPrPsPSPsC€PµPSPëC... PSPsPIPsPSP°CfPsPrP¶PµPSPëC... PIC-PrCfCfC,PSC-.

P°C-C— PI CfP°P·C- PïPµCfPµPrPsP·CrPIP°PSPSCl

PJ CfP°P·C- PïPµCfPµPrPsP·CrPIP°PSPSCl PePsC,,PµC—PSCr PïCfPsPIPsPrPëC,CHbCfCl
PïPµCfPµPIP°P¶PSPs CfPëPjPïC,PspjP°C,PëC±PSP° C,P° PïC-PrC,CfPëPjCfPIP°P»CHbPSP°
C,PµCfP°PïC-Cl. PkPµPsP±C...C-PrPSPëPñ PePsPSC,CfPsP»CHb CfC-PIPSCl PeP°P»C-Cf C-
PiP»CHbPePsP·Pë C,P° PIP¶PëC,C,Cl P·P°C...PsPrC-PI PrP»Cl PePsCfPëPïCfPIP°PSPSCl
PiC-PïPsPeP°P»C-C°PjC-C— C,P° PïC-PïPµCfPiP»C-PePµPjC-C—. P°PsCfP»C-PrP¶PµPSPSCl
PïPsPeP°P·P°P»Pë, C°Ps CfC-PIPµPSCb PePsC,,PµC—PSCr PI PïP»P°P·PjC-
P·PSPëP¶CfC°C,CHbCfCl PïC-CfP»Cl P·P°PjC-PSPSPsPiPs PïPµCfPµP»PëPIP°PSPSCl
PeCfPsPIC-. PÿPµCfP°PïC-Cf CfCfPrPsPj PjPsP¶PSP° PïCfPsPIPsPrPëC,Pë
PIPSCrC,CfC-C€PSCbPsPIPµPSPSPëPj PIPµPrPµPSPSClPj
P°PSC,PëPePsPICfP»CHbCfP°PSC,C-PI (PrC-P°P·PµPïP°Pj P°P±Ps P±P°CfP±C-C,CfCfP°C,Pë,
C,P°PeC- ClPe PïPµPSC,Psp±P°CfP±C-C,P°P» PSP°C,CfC-Cf P°P±Ps
C,,PµPSPsP±P°CfP±C-C,P°P»).

PµPsP±C-C±PSC- CfPµP°PeC†C-C—.

P°C-PrPsPjPsCfC,C- PïCfPs C,,P°CfPjP°PePsP»PsPiC-Cf C,P° C,PsPeCfPëPePsP»PsPiC-Cf
PePsC,,PµC—PSCr C,P° C-PSC€PëC... PjPµC,PëP»PeCfP°PSC,PëPSC-PI PrP°CfC,CHb
C-PSC,,PsCfPjP°C†C-Cf PïCfPs C-PjPsPIC-CfPSC- PïPsP±C-C±PSC- CfPµP°PeC†C-C— PïCfPë
P·P°CfC,PsCfCfPIP°PSPSC- PePsC,,PµC—PSCr C†PëC,CfP°C,Cf, C°Ps PIPeP»CHbC±P°C°
CfC,PëPjCfP»ClC†C-Cf C†PµPSC,CfP°P»CHbPSPsC— PSPµCfPIPSPsC— CfPëCfC,PµPjPë,
C,P°PeC† ClPe CfCfPrPsPjPë, PrCfP°C,C-PIP»PëPIC-CfC,CHb, P·P±CfPrP¶PµPSPëPñ CfC,P°PS,
CfPëPSPPrCfPsPj PïC-PrPIPëC°PµPSPsC— PSPµCfPIPSPsCfPµC,,P»PµPeC,PsCfPSPsC—
P·P±CfPrP¶CfPIP°PSPsCfC,C-, PIPïP»PëPIPë PSP° CfPµCfC†PµPIPs-CfCfPrPëPSPSCr
CfPëCfC,PµPjC†, C,P°PeC- ClPe C,P°C...C-PeP°CfPrC-Cl, PïC-PïPµCfC,PµPSP·C-Cl C,P°
P·P±C-P»CHbC€PµPSPSCl CfPëCfC,PsP»C-C±PSPsPiPs PsP±'C°PjC† CfPµCfC†Cl,
PïPsCfC†C€PµPSPSCl PsP±PjC-PSCr CfPµC†PsPIPëPS C- C...P°CfC†CfPIP°PSPSCl, C,P°PeC-
ClPe PïC-PïPµCfPiP»C-PePµPjC-Cl. PïC- PµC,,PµPeC,Pë C° PrPsP·PsP·P°P»PµP¶PSPëPjPë C,P°
PjPsP¶CfC,CHb PIPëPjP°PïP°C,Pë PIPëPjC-CfCfPIP°PSPSCl PePsPSC†PµPSC,CfP°C†C-C— Cf
PïP»P°P·PjC- C,P° P·PSPëP¶PµPSPSCl PrPsP·Pë PePsC,,PµC—PSCr.

PµPsP±C-C±PSC- CfPµP°PeC†C-C—, C°Ps PjPsP¶CfC,CHb P±C†C,Pë PïPsPI'ClP·P°PSC- P·
PePsC,,PµC—PSCr C†PëC,CfP°C,PsPj C- PïCfPs ClPeC- PïPsPIC-PrPsPjP»ClP»PsCfCl PI
PjPµPrPëC±PSC-Pñ P»C-C,PµCfP°C,CfCfC-, PïPµCfPµP»C-C†PµPSC- PSPëP¶C†Pµ P·P°
PeP»P°CfP°PjPë CfPëCfC,PµPj PsCfPiP°PSC-PI C,P° C†P°CfC,PsC,PsCf PIPëClPIP»PµPSPSCl
(MedDRA).

PSP°CfC,PsC,P° PïPsP±C-C±PSPëC... CfPµP°PeC†C-Pñ PIPëP·PSP°C†P°C°C,CHbCfCl C,P°PePëPj
C†PëPSPsPj: PrCfP¶Pµ PïPsC€PëCfPµPSC- ($\geq 1/10$), PïPsC€PëCfPµPSC- (PIC-Pr $\geq 1/100$ PrPs $< 1/10$),
PSPµPïPsC€PëCfPµPSC- (PIC-Pr $\geq 1/1000$ PrPs $< 1/100$), CfC-PrPeC-CfPSC- (PIC-Pr $\geq 1/10000$ PrPs $< 1/1000$),
PrCfP¶Pµ CfC-PrPeC-CfPSC- ($< 1/10000$) C,P° PSPµPIC-PrPsPjPs (PSPµPjPsP¶P»PëPIPs PsC†C-PSPëC,Pë P·P° PSP°ClPIPSPëPjPë PrP°PSPëPjPë).

PJ PīPsPrPIC-PM₀PSPs CÍP»C-PīPsPjCí PīP»P°C†PμP±Ps-PePsPSC,CĤPsP»CH₀PsPIP°PSPsPjCí PrPsCÍP»C-PrP¶PμPSPSC- PePsC,,PμC—PSCí C†PēC,CĤP°C,Cí P· 85 PSPμPrPsPSPsC€PμPSPēC... PSPsPIPsPSP°CĤPsPrP¶PμPSPēC... PSPμPeCĤPsC,PēC†PSC- PμPSC,PμCĤPsPePsP»C-C,Pē P±CíP»Pē PrC-P°PiPSPsCÍC,PsPIP°PSC- Cí CÍP»C-PiC-PM₀C,,P°P·C- PrPsCÍP»C-PrP¶PμPSPSC¶ Cí 2-C... PrC-C,PμPM₀, C%₀₀Ps PsPrPμCĤP¶CíPIP°P»Pē P°PeC,PēPIPSCí C,PμCĤP°PiC-CĤ, Cí 1-C”C— PrPēC,PēPSPē, C%₀₀Ps PsPrPμCĤP¶CíPIP°P»P° PīP»P°C†PμP±Ps, C- Cí 3-PsC... PrC-C,PμPM₀, C%₀₀Ps PsPrPμCĤP¶CíPIP°P»Pē PePsC,,PμC—PS PiCĤPsC,C¶PiPsPj PIC-PrPeCĤPēC,PsC— C,,P°P·Pē PrPsCÍP»C-PrP¶PμPSPSC¶. PŷCĤPsC” P· PrC-C,PμPM₀, C%₀₀Ps PjP°P»Pē PSPμPeCĤPsC,PēC†PSC- PμPSC,PμCĤPsPePsP»C-C,Pē PiCĤPsC,C¶PiPsPj PrPsCÍP»C-PrP¶PμPSPSC¶, PīPsPjPμCĤP»Pē. P’PμP»PēPePμ P±P°PiP°C,PsC†PμPSC,CĤPsPIPμ PrPsCÍP»C-PrP¶PμPSPSC¶ (n=2006) PrPsPIPiPsCÍC,CĤPsPePsPIPēC... CĤPμP·CíP»CH₀C,P°C,C-PI Cí PSPμPrPsPSPsC€PμPSPēC... PSPsPIPsPSP°CĤPsPrP¶PμPSPēC..., C%₀₀Ps PsPrPμCĤP¶CíPIP°P»Pē C,PμCĤP°PiC-CĤ PePsC,,PμC—PSCí C†PēC,CĤP°C,PsPj, PSPμ PiCĤPsPrPμPjPsPSCÍC,CĤCíPIP°P»Ps PiC-PrPIPēC%₀₀PμPSPSC¶ C†P°CÍC,PsC,Pē PSPμPeCĤPsC,PēC†PSPēC... PμPSC,PμCĤPsPePsP»C-C,C-PI Cí PiCĤCíPiC- PePsC,,PμC—PSCí Cí PīPsCĤC-PIPSCLPSPSC- P· PīP»P°C†PμP±Ps. PJCÍC- PSPμPrPsPSPsC€PμPSC- PSPsPIPsPSP°CĤPsPrP¶PμPSC-, C%₀₀Ps PsPrPμCĤP¶CíCĤC,CH₀C,PμCĤP°PiC-CĤ PePsC,,PμC—PSCí C†PēC,CĤP°C,PsPj, PīPsPIPēPSPSC- PiCĤPsC...PsPrPēC,Pē CĤPμC,PμP»CH₀PSPēPM₀ PjPsPSC-C,PsCĤPēPSPi C%₀₀PsPrPs CĤPsP·PIPēC,PeCí PSPμPeCĤPsC,PēC†PSPēC... PμPSC,PμCĤPsPePsP»C-C,C-PI.

PŷPīPsCÍC,PμCĤC-PiP°P»PēCÍCH₀ CíCĤP°P¶PμPSPSC¶ PjPsP·PeCí, CÍCíPrPsPjPē C,P° PiP»CíC...PsC,P°, P°P»Pμ PIPsPSPē P±CíP»Pē P±C-P»CH₀C€ C†P°CÍC,PēPjPē Cí PiCĤCíPiC- PīP»P°C†PμP±Ps.

PμPsC,,PμC—PS P·PrP°C,PSPēPM₀ PiCĤPēPiPSC-C†CíPIP°C,Pē CÍPēPSC,PμP· PμCĤPēC,CĤPsPiPsPμC,PēPSCí C-, PIC-PrPiPsPIC-PrPSPs, P·PSPēP¶CíPIP°C,Pē CĤC-PIPμPSCH₀ PiPμPjPsPiP»PsP±C-PSCí PiCĤPē C,CĤPēPIP°P»PsPjCí P·P°CÍC,PsCÍCíPIP°PSPSC-.

PŷPēPjC†P°CÍPsPIC- P·PSPēP¶PμPSPSC¶ CĤC-PIPSCL₀ C,PēCĤPsPeCÍPēPSCí (Pŷ4) PIC-PrPjC-C†P°P»PēCÍCH₀ Cí PSPμPjPsPIP»C¶C, PSP° PiPsC†P°C,PeCí C,PμCĤP°PiC-C—, P°P»Pμ PIPsPSPē PSPμ C,CĤPēPIP°P»Pē PiCĤPsC,C¶PiPsPj CíCÍC-C”C— C,PμCĤP°PiC-C—.

Pk°C¶PIPSCL- PrP°PSC- PSPμ CÍPIC-PrC†P°C,CH₀ PiCĤPs P±CíPrCH₀-C¶PeC- C,CĤPēPIP°P»C- PīPsP±C-C†PSC- CĤPμP°PeC†C-C— PSP° C,PμCĤP°PiC-CĤ PePsC,,PμC—PSPsPj Cí PSPsPIPsPSP°CĤPsPrP¶PμPSPēC... P· P±PsPeCí PSPμPICĤPsP»PsPiC-C†PSPsPiPs CĤPsP·PIPēC,PeCí, P·P°C,CĤPēPjPePē P·P±C-P»CH₀C€PμPSPSC¶ PjP°CÍPē C,C-P»P° P°P±Ps CÍPμCĤC†PμPIPs-CÍCíPrPēPSPSPsC—, C,CĤP°PIPSPsC— C†Pē PμPSPPrPsPeCĤPēPSPSPsC— CÍPēCÍC,PμPj. PμPsC,,PμC—PS PSPμ PīPsCÍPēP»CH₀C” C†PμCĤPμP±CĤP°P»CH₀PSCí PiC-PīPsPeCÍC-CĤ C,P° PSPμ PsP±C,C¶P¶CíC” PSP°CÍP»C-PrPePē P±CíPrCH₀-C¶PePēC... CíCĤP°P¶PμPSCH₀, P°P»Pμ C,P°PeCí PjPsP¶P»PēPIC-CÍC,CH₀ PSPμ CÍP»C-Pr C†C-P»PePsPj PIPēPeP»CH₀C†P°C,Pē.

P†PSC€C- PsCÍPsP±P»PēPIC- PiCĤCíPiPē PīP°C†C-C”PSC,C-PI

PJ PiC-CÍP»C¶CĤPμC”CÍC,CĤP°C†C-PM₀PSPsPjCí PrPsCÍP»C-PrP¶PμPSPSC- P· P±PμP·PīPμPePē PSP° 506 PSPμPrPsPSPsC€PμPSPēC... PSPμPjPsPIP»C¶C,, C¶PeC- PsC,CĤPēPjCíPIP°P»Pē P»C-PeCíPIP°PSPSC¶ PiCĤPμPiP°CĤP°C,PsPj PμPμPM₀PsPSP°, PrP°PSC- PiCĤPs P±PμP·PīPμPeCí P±CíP»Pē P·C-P±CĤP°PSC- PrP»C¶ 31 PrCíP¶Pμ PSPμPrPsPSPsC€PμPSPsPiPs PSPμPjPsPIP»C¶C,Pē P· PīPsCĤCíC€PμPSPSC¶Pj C,,CíPSPeC†C-C— PSPēCĤPsPe/PīPμC†C-PSPePē. PμPsP±C-C†PSC- CĤPμP°PeC†C-C— PIPēC¶PIPēP»PēCÍC¶ C†P°CÍC,C-C€PēPjPē Cí C†C-PM₀ PiC-PrPiCĤCíPiC- P· PīPsCĤCíC€PμPSPSC¶Pj CĤPsP±PsC,Pē

PsCḡPiP°PSC-PI, PSC-P¶ Cṙ C-PSC€PëC... PrC-C,PµPNₑ, CḶPeC- PSpµ PjP°P»Pë
PṙPsCḡCṙC€PµPSCḤ C,,CṙPSPeC†C-PsPSCṙPIP°PSPSCḶ PsCḡPiP°PSC-PI.
P—PrPµP±C-P»CHC€PsPiPs PṙPsPIC-PrPsPjP»CḶP»PsCḶCḶ PṙCḡPs CḶPµCḡC†PµPIC-
CḡPsP·P»P°PrPë (C,P°C...C-PeP°CḡPrC-CḶ, PIPeP»CḤC†P°CḤC†Pë PsPrPëPS PsPeCḡPµPjPëPNₑ
PIPëPṙP°PrPsPe P°CḡPëC,PjC-C—).

PµPsPIC-PrPsPjP»PµPSPSCḶ PṙCḡPs PṙC-PrPsP·CḡCḤPIP°PSC- PṙPsP±C-C†PSC-
CḡPµP°PeC†C-C—

PµPsPIC-PrPsPjP»PµPSPSCḶ PṙCḡPs PṙC-PrPsP·CḡCḤPIP°PSC- PṙPsP±C-C†PSC-
CḡPµP°PeC†C-C— PṙC-CḶP»CḶ CḡPµC”CḶC,CḡP°C†C-C— P»C-PeP°CḡCḶCHPePsPiPs
P·P°CḶPsP±Cṙ C” PIP°P¶P»PëPIPëPjPë. PḵPµPsP±C...C-PrPSPs PṙCḡPsPrPsPIP¶CṙPIP°C,Pë
PIPµCḶC,Pë PjPsPSC-C,PsCḡPëPSPi CḶPṙC-PIPIC-PrPSPsC€PµPSPSCḶ
PePsCḡPëCḶC,CH/CḡPëP·PëPe P·P°CḶC,PsCḶCṙPIP°PSPSCḶ P»C-PeP°CḡCḶCHPePsPiPs
P·P°CḶPsP±Cṙ.

PṙPµCḡPjC-PS PṙCḡPëPrP°C,PSPsCḶC,C-. 3 CḡPsPePë.

PµC-CḶP»CḶ PIC-PrPeCḡPëC,C,CḶ P°PjPṙCṙP»Pë Bḡ” PSpµPiP°PNₑPSPs PIPëPePsCḡPëCḶC,P°C,Pë
P»C-PeP°CḡCḶCHPePëPNₑ P·P°CḶC-P±.

PjPjPsPIPë P·P±PµCḡC-PiP°PSPSCḶ.

P—P±PµCḡC-PiP°C,Pë PṙCḡPë C,PµPjPṙPµCḡP°C,CṙCḡC- PSpµ PIPëC‰Pµ 25 B°C PI
PsCḡPëPṙC-PSP°P»CHPSC-PNₑ CṙPṙP°PePsPIC†C-.

P—P±PµCḡC-PiP°C,Pë PI PSpµPrPsCḶC,CṙPṙPSPsPjCṙ PrP»CḶ PrC-C,PµPNₑ PjC-CḶC†C-.

PjPṙP°PePsPIPeP°.

P PsP·C†PëPS PrP»CḶ C-PSC,,CṙP·C-PNₑ C,P° PsCḡP°P»CHPSPsPiPs P·P°CḶC,PsCḶCṙPIP°PSPSCḶ,
PṙPs 1 PjP» PI P°PjPṙCṙP»C-; PṙPs 5 P°PjPṙCṙP» Cṙ PePsPSC,CṙCḡPSC-PNₑ C†P°CḡCṙPSPePsPIC-PNₑ
CṙPṙP°PePsPIC†C-, 2 PePsPSC,CṙCḡPSC- C†P°CḡCṙPSPePsPIC- CṙPṙP°PePsPIPePë PI
PeP°CḡC,PsPSPSC-PNₑ PePsCḡPsP±C†C-.

РљР°С,РµРµРµСḡC-CḶ PIC-PrPṙCṙCḶPeCṙ. P—P° CḡPµC†PµPṙC,PsPj, C,C-P»CHPePë PI
CṙPjPsPIP°C... CḶC,P°C†C-PsPSP°CḡCṙ.

P’PëCḡPsP±PSPëPe.

Рљ'С”P·C- PḡP°CḡPjP°CḶ'CḤC,C-PePµP»P· P“PjP±PḶ / Chiesi Pharmaceuticals GmbH.

**РѢС-СІС†РμР·PSP°С...PsPrP¶PμPSPSCЦ PIPёСЃPsP±PSPёPeP° С,P° PNєPsPiPs
P°PrСЃРμСІР° PjC-СІС†CЦ PїСЃPsPIP°PrP¶PμPSPSCЦ PrC-СЦP»СЃPSPsСІС,C-.**

PICrP». P“PsPSP·P°PiP°PiP°СІСІРμ 16/16, 1010 P’C-PrPμPSCH, PhPICrC,CЃC-СЦ /
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