

C,P°P±P»PμC,PePë PiPs 50 PjPi: PeCḡCṛPiP»C-, PrPIPsPsPĩCṛPeP»C-, PIPeCḡPëC,C-
PiP»C-PIPePsPIPsCḡ PsP±PsP»PsPSPePsCḡ C,P°P±P»PμC,PePë, CḡPsP¶PμPIPsPiPs
PePsP»ChbPsCḡCṛ, P· C,PëCṛPSPμPSPSCḡPj B«IIIB» P· PsPrPSPsPiPs P±PsPeCṛ,
PrC-P°PjPμC,CḡPsPj PĩCḡPëP±P»PëP·PSPs 10 PjPj.

TRA115450 (PETIT2): $\text{PiP}_\mu\text{C}\tilde{\text{H}}\text{PIP}\ddot{\text{e}}\text{PSPSPsC}\tilde{\text{H}}\text{PeC-PSC}\dagger\text{P}_\mu\text{PIPsC}\tilde{\text{H}}\text{C,PsC}\ddagger\text{PePsC}\tilde{\text{H}}\text{P}\pm\text{C}\acute{\text{r}}\text{P}\gg\text{P}^\circ$
 $\text{C}\acute{\text{r}}\text{C,C-PN}_\ddot{\text{e}}\text{PeP}^\circ\text{PIC-PrP}\ddot{\text{e}}\text{PsPIC-PrC}\tilde{\text{H}},\text{PIP}\ddot{\text{e}}\text{P}\cdot\text{PSP}^\circ\text{C}\ddagger\text{P}_\mu\text{PSP}^\circ\text{C}\ddagger\text{PeC}\ddagger\text{P}^\circ\text{C}\acute{\text{r}}\text{C,PeP}^\circ\text{PsC}\acute{\text{r}}\text{C-P}\pm,$
 $\text{C}\ddagger\text{PeC-PsC,C}\tilde{\text{H}}\text{P}\ddot{\text{e}}\text{PjC}\acute{\text{r}}\text{PIP}^\circ\text{P}\gg\text{P}\ddot{\text{e}}\text{P}_\mu\text{P}\gg\text{C}\tilde{\text{H}}\text{C,C}\tilde{\text{H}}\text{PsPjP}\pm\text{PsP}\ddot{\text{e}}\text{P}^\circ\text{PiC-PrPsC}\acute{\text{r}}\text{C}\ddagger\text{PiP}\gg\text{P}\ddot{\text{e}}$
 $\text{PeC-P}\gg\text{C}\tilde{\text{H}}\text{PePsC}\acute{\text{r}}\text{C,C-C,C}\tilde{\text{H}}\text{PsPjP}\pm\text{PsC}\dagger\text{P}\ddot{\text{e}}\text{C,C-PI}\geq 50000/\text{PjPeP}\gg\text{PiC}\tilde{\text{H}}\text{PsC,C}\ddagger\text{PiPsPj}$
 $\text{C}\%_\text{o}\text{PsPSP}^\circ\text{PN}_\ddot{\text{e}}\text{PjP}_\mu\text{PSC}\epsilon\text{P}_\mu 6\text{P}\cdot 8\text{C,P}\ddot{\text{e}}\text{P}\P\text{PSC-PI}(\text{P}\cdot\text{P}^\circ\text{PIC-PrC}\acute{\text{r}}\text{C}\acute{\text{r}}\text{C,PsPsC}\acute{\text{r}}\text{C,C-}$
 $\text{P}_\mu\text{PeC}\acute{\text{r}}\text{C,C}\tilde{\text{H}}\text{P}_\mu\text{PSPsC- C,P}_\mu\text{C}\tilde{\text{H}}\text{P}^\circ\text{P}\ddot{\text{e}}\text{C-C-})\text{PIPiP}_\mu\text{C}\tilde{\text{H}}\text{C-PsPrP}\cdot 5\text{-PiPsPiPs12-PN}_\ddot{\text{e}}\text{C,P}\ddot{\text{e}}\text{P}\P\text{PSC-}$
 $\text{P}\ddot{\text{e}}\text{C-PrC}\ddagger\text{P}^\circ\text{C}\acute{\text{r}}\text{PiPsPrPIC-PN}_\ddot{\text{e}}\text{PSPsC}\acute{\text{r}}\text{P}\gg\text{C-P}\ddot{\text{e}}\text{PsC- C}\tilde{\text{H}}\text{P}^\circ\text{PSPrPsPjC-P}\cdot\text{PsPIP}^\circ\text{PSPsC- C},\text{P}^\circ\text{P}\cdot\text{P}\ddot{\text{e}}.$
 $\text{PjC}\ddagger\text{P}^\circ\text{C}\acute{\text{r}}\text{PSP}\ddot{\text{e}}\text{PeP}\ddot{\text{e}}\text{PjP}^\circ\text{P}\gg\text{P}\ddot{\text{e}}\text{PiC-PrC,PIP}_\mu\text{C}\tilde{\text{H}}\text{PrP}\P\text{P}_\mu\text{PSC}\acute{\text{r}}\text{C...C}\tilde{\text{H}}\text{PsPSC-C}\ddagger\text{PSC}\acute{\text{r}}\text{P}\ddagger\text{P}\ddot{\text{y}}\text{P}_\mu$

$\text{PiC}\tilde{\text{H}}\text{PsC}, \text{C}\tilde{\text{H}}\text{PiPsPj} \text{ PiC}\tilde{\text{H}}\text{P}\tilde{\text{e}}\text{PSP}^\circ\text{Pn}\tilde{\text{e}}\text{PjPSC}-1 \text{ C}\tilde{\text{H}}\text{PsPeCr} \text{ C}-\text{PSP}\mu \text{ PrP}^\circ\text{P}\gg\text{P}\tilde{\text{e}} \text{ PIC}-\text{PrPiPsPIC}-\text{PrC}-$
 $\text{C}\%_{\text{oo}}\text{PsPSP}^\circ\text{Pn}\tilde{\text{e}}\text{PjP}\mu\text{PSC}\epsilon\text{P}\mu \text{ PSP}^\circ \text{ PsPrP}\tilde{\text{e}}\text{PS PiPsPiP}\mu\text{C}\tilde{\text{H}}\text{P}\mu\text{PrPSC}-\text{Pn}\tilde{\text{e}} \text{ PeCrC}\tilde{\text{H}}\text{C}\tilde{\text{I}} \text{ C}, \text{P}\mu\text{C}\tilde{\text{H}}\text{P}^\circ\text{PiC}-\text{C}-$
 $\text{P}\dagger\text{P}\tilde{\text{Y}}\text{P}\mu \text{ P}^\circ\text{P}\pm\text{Ps PI PSP}\tilde{\text{e}}\text{C}\dots \text{C}\tilde{\text{I}}\text{C}, \text{P}^\circ\text{PIC}\tilde{\text{I}}\text{C}\tilde{\text{H}} \text{ C}\tilde{\text{H}}\text{P}\mu\text{C}\dagger\text{P}\tilde{\text{e}}\text{PrP}\tilde{\text{e}}\text{PI PiC}-\text{Pr} \text{ C}\dagger\text{P}^\circ\text{C}\tilde{\text{I}} \text{ C}, \text{P}^\circ\text{PePsC}-$
 $\text{C}, \text{P}\mu\text{C}\tilde{\text{H}}\text{P}^\circ\text{PiC}-\text{C}-, \text{P}^\circ\text{P}\pm\text{Ps PIPsPSP}\tilde{\text{e}} \text{ P}\pm\text{CrP}\gg\text{P}\tilde{\text{e}} \text{ PSP}\mu \text{ PI P}\cdot\text{PjPsP}\cdot\text{C}- \text{PiC}\tilde{\text{H}}\text{PsPrPsPIP}\P\text{CrPIP}^\circ\text{C}, \text{P}\tilde{\text{e}}$
 $\text{C}-\text{PSC}\epsilon\text{P}\mu \text{ P}\gg\text{C}-\text{PeCrPIP}^\circ\text{PSPSC}\tilde{\text{H}} \text{ P}\dagger\text{P}\tilde{\text{Y}}\text{P}\mu \text{ P}\cdot \text{PjP}\mu\text{PrP}\tilde{\text{e}}\text{C}\dagger\text{PSPSc}- \text{PiC}\tilde{\text{H}}\text{P}\tilde{\text{e}}\text{C}\dagger\text{P}\tilde{\text{e}}\text{PSP}\tilde{\text{e}} \text{ C}, \text{P}^\circ \text{ PjP}^\circ\text{P}\gg\text{P}\tilde{\text{e}}$
 $\text{PeC}-\text{P}\gg\text{CHPeC}-\text{C}\tilde{\text{I}}\text{C}, \text{CH} \text{ C}, \text{C}\tilde{\text{H}}\text{PsPjP}\pm\text{PsC}\dagger\text{P}\tilde{\text{e}}\text{C}, \text{C}-\text{PI} < 30000/\text{PjPeP}\gg. 92 \% \text{ PiP}^\circ\text{C}\dagger\text{C}-\text{C}''\text{PSC}, \text{C}-\text{PI}$
 $\text{P}\pm\text{CrP}\gg\text{P}\tilde{\text{e}} \text{ C}\tilde{\text{H}}\text{P}^\circ\text{PSPrPsPjC}-\text{P}\cdot\text{PsPIP}^\circ\text{PSC}- \text{Cr} \text{ C}\tilde{\text{I}}\text{PiC}-\text{PIPIC}-\text{PrPSPSc}\epsilon\text{P}\mu\text{PSPSC}-2:1 \text{ PrP}\gg\text{C}\tilde{\text{H}}$
 $\text{PsC}, \text{C}\tilde{\text{H}}\text{P}\tilde{\text{e}}\text{PjP}^\circ\text{PSPSC}\tilde{\text{H}} \text{ P}\mu\text{P}\gg\text{CHC}, \text{C}\tilde{\text{H}}\text{PsPjP}\pm\text{PsPiP}^\circ\text{PiCr} \text{ (n = 63) C}, \text{P}^\circ \text{ PiP}\gg\text{P}^\circ\text{C}\dagger\text{P}\mu\text{P}\pm\text{Ps} \text{ (n = 29) C}-$
 $\text{C}\tilde{\text{I}}\text{C}, \text{C}\tilde{\text{H}}\text{P}^\circ\text{C}, \text{P}\tilde{\text{e}}\text{C}, \text{C}-\text{PePsPIP}^\circ\text{PSC}- \text{PrPs} \text{ C}, \text{C}\tilde{\text{H}}\text{CHPsC}\dots \text{PIP}\tilde{\text{e}}\text{C}\dots\text{C}-\text{PrPSP}\tilde{\text{e}}\text{C}\dots \text{PiC}\tilde{\text{H}}\text{CrPi}. \text{P}''\text{PsP}\cdot\text{Cr}$
 $\text{P}\mu\text{P}\gg\text{CHC}, \text{C}\tilde{\text{H}}\text{PsPjP}\pm\text{PsPiP}^\circ\text{PiCr} \text{ PjPsP}\P\text{PSP}^\circ \text{ P}\pm\text{CrP}\gg\text{Ps} \text{ PePsC}\tilde{\text{H}}\text{P}\tilde{\text{e}}\text{PiCrPIP}^\circ\text{C}, \text{P}\tilde{\text{e}} \text{ P}\cdot\text{P}^\circ\text{P}\gg\text{P}\mu\text{P}\P\text{PSPs}$
 $\text{PIC}-\text{Pr} \text{ PeC}-\text{P}\gg\text{CHPePsC}\tilde{\text{I}}\text{C}, \text{C}- \text{C}, \text{C}\tilde{\text{H}}\text{PsPjP}\pm\text{PsC}\dagger\text{P}\tilde{\text{e}}\text{C}, \text{C}-\text{PI} \text{ Cr} \text{ PePsPSPeC}\tilde{\text{H}}\text{P}\mu\text{C}, \text{PSPsPiPs}$
 $\text{PiP}^\circ\text{C}\dagger\text{C}-\text{C}''\text{PSC}, \text{P}^\circ.$

$$P \nabla P^\circ P \pm P \gg P \ddot{C} \dagger C \sqcup 1$$

P"CH ₃ CrPiP ₀	P•P»CH ₃ C,CH ₃ PsPjP±PsPiP°Pi n/N (%) [95 % P"P†]	PμP»P°C†PμP±Ps n/N (%) [95 % P"P†]
P"CH ₃ CrPiP° 1 (12-17 CH ₃ PsPeC-PI)	9/23 (39 %) [20 %, 61 %]	1/10 (10%) [0 %, 45 %]
P"CH ₃ CrPiP° 2 (6-11 CH ₃ PsPeC-PI)	11/26 (42 %) [23 %, 63 %]	0/13 (0 %) [P"P']
P"CH ₃ CrPiP° 3 (1-5 CH ₃ PsPeC-PI)	5/14 (36 %) [13 %, 65 %]	0/6 (0 %) [P"P']

P''P' БН'' PrP°PSC- PIC-PrCΓCfC,PSC-.

PkP° PIPëC...C-PrPSPsPjCr CĤC-PIPSC- 71 % PsCĤC-P± PI PiCĤCrPïC-
 PμP»CHĤC,CĤPsPjP±PsPïP°PiCr C,P° 69 % PI PiCĤCrPïC- PïP»P°C†PμP±Ps PïPsPIC-PrPsPjPëP»Pë
 PiCĤPs P±CrPrCHĤ-CĤPeCr PeCĤPsPIPsC,PμC†Cr (1-4-PiPs CĤC,CrPïPμPSCĤ P·P° P'PhPhP—).
 P§PμCĤPμP· 12 C,PëP¶PSC-PI C†P°CĤC,PeP° PïP°C†C-C"PSC,C-PI, CĤPeC-
 PsC,CĤPëPjCrPIP°P»Pë PμP»CHĤC,CĤPsPjP±PsPïP°Pi C- PïPsPIC-PrPsPjPëP»Pë PiCĤPs
 P±CrPrCHĤ-CĤPeCr PeCĤPsPIPsC,PμC†Cr, P·PjPμPSC€PëP»P°CĤCH PrPs PïPsP»PsPIPëPSPë
 PIC-Pr PIPëC...C-PrPSPsPiPs CĤC-PIPSCĤ (36 %). P"P»CĤ PïPsCĤC-PIPSCĤPSPSCĤ C†PμCĤPμP·
 12 C,PëP¶PSC-PI 55 % PïP°C†C-C"PSC,C-PI, CĤPeC- PsC,CĤPëPjCrPIP°P»Pë PïP»P°C†PμP±Ps,
 PïPsPIC-PrPsPjPëP»Pë PiCĤPs P±CrPrCHĤ-CĤPeCr PeCĤPsPIPsC,PμC†Cr.

PJC†P°C†PSPëPeP°Pj P±C†P»Ps PrPsP·PIPsP»PµPSPs P·PjPµPSC€PëC,Pë PsP±C†C†Pi
 PIPëC...C-PrPSPsC— C,PµC†P°PïC-C— P†PÿPµ P»PëC€Pµ PïC†PSC,C†PiPsPj
 PIC-PrPeC†PëC,PsC— C„P°P·Pë PrPsC†P»C-PrP¶PµPSPSC†, P° 53 % (8/15) PïP°C†C-C”PSC,C-PI
 PjPsPiP»Pë P·PjPµPSC€PëC,Pë PsP±C†C†Pi PIPëC...C-PrPSPsC— C,PµC†P°PïC-C— P†PÿPµ (n = 1)
 C†Pë PïC†PëPïPëPSPëC,Pë (n = 7) C,P°PeC† C,PµC†P°PïC-C†, PïPµC†PµPIP°P¶PSPs
 PePsC†C,PëPePsC†C,PµC†PSC—PrP°PjPë, P±PµP· PSPµPsP±C...C-PrPSPsC†C,C- PI
 PµPeC†C,C†PµPSC-PNë C,PµC†P°PïC-C—.

TRA108062 (PETIT): PïPµC†PIPëPSPSPsC† PeC-PSC†PµPIPsC† C,PsC†PePsC† P±C†P»P°
 C†P°C†C,PeP° C†C†P°C†PSPëPeC-PI, C†PeC- PrPsC†C†PiP»Pë PeC-P»CHPePsC†C,C-
 C,C†PsPjP±PsC†PëC,C-PI ≥ 50000/PjPeP» C‰PsPSP°PNëPjPµPSC€Pµ PsPrPëPS C†P°P· PI
 PïPµC†C-PsPr PjC-P¶ 1-Pj C,P° 6-Pj C,PëP¶PSPµPj C†P°PSPrPsPjC-P·PsPIP°PSPsPiPs
 PïPµC†C-PsPrC†. PµP°C†C-C”PSC,Pë PSPµ PrP°P»Pë PIC-PrPïPsPIC-PrC-
 C‰PsPSP°PNëPjPµPSC€Pµ PSP° PsPrPëPS PïPsPïPµC†PµPrPSC-PNë PeC†C†C† C,PµC†P°PïC-C—
 P†PÿPµ P°P±Ps PI PSPëC... C†C,P°PIC†C† C†PµC†PëPrPëPI PïC-Pr C†P°C† C,P°PePsC—
 C,PµC†P°PïC-C— C- PeC-P»CHPeC-C†C,CH C,C†PsPjP±PsC†PëC,C-PI P±C†P»P° < 30000/PjPeP»
 (n = 67). PµC-Pr C†P°C† C†P°PSPrPsPjC-P·PsPIP°PSPsPiPs PïPµC†C-PsPrC†
 PrPsC†P»C-PrP¶PµPSPSC† C†C†P°C†PSPëPePë P±C†P»Pë C†P°PSPrPsPjC-P·PsPIP°PSC- C†
 C†PïC-PIPIC-PrPSPsC€PµPSPSC- 2:1 PrP»C† PsC,C†PëPjP°PSPSC†
 PµP»CHC,C†PsPjP±PsPïP°PïC† (n = 45) C,P° PïP»P°C†PµP±Ps (n = 22) C-
 C†C,C†P°C,PëC„C-PePsPIP°PSC- PrPs C,C†CHPsC... PIPëC...C-PrPSPëC... PïC†C†Pï. P”PsP·C†
 PµP»CHC,C†PsPjP±PsPïP°PïC† PjPsP¶PSP° P±C†P»Ps PePsC†PëPïC†PIP°C,Pë P·P°P»PµP¶PSPs
 PeC-P»CHPePsC†C,C- C,C†PsPjP±PsC†PëC,C-PI C† PePsPSPeC†PµC,PSPsPiPs PïP°C†C-C”PSC,P°.

P’ C†C-P»PsPjC† P·PSP°C†PSPs P±C-P»CHC€P° C†P°C†C,PeP° PïP°C†C-C”PSC,C-PI, C†PeC-
 PsC,C†PëPjC†PIP°P»Pë PµP»CHC,C†PsPjP±PsPïP°Pi (62 %), PïPsC†C-PIPS†PSPs P·
 PïC†C†PiPsC† PïP»P°C†PµP±Ps (32 %) PrPsC†C†PiP»Pë PïPµC†PIPëPSPSPsC—
 PeC-PSC†PµPIPsC— C,PsC†PePë (PIC-PrPSPsC€PµPSPSC† C€P°PSC†C-PI: 4,3 [95 % P”P†: 1,4;
 13,3] p = 0,011).

PÿC,C-PNëPeP° PIC-PrPïPsPIC-PrCH P±C†P»P° PIC-PrP·PSP°C†PµPSP° C† 50 % C,PëC..., C...C,Ps
 PrP°PI PïPsC†P°C,PePsPIC† PIC-PrPïPsPIC-PrCH PïC†PSC,C†PiPsPj 20 P· 24 C,PëP¶PSC-PI C†
 PrPsC†P»C-PrP¶PµPSPSC- PETIT 2 C,P° PïC†PSC,C†PiPsPj 15 P· 24 C,PëP¶PSC-PI PI
 PrPsC†P»C-PrP¶PµPSPSC- PETIT. P”PsC†P»C-PrP¶PµPSPSC† P·P° C†C†P°C†C,C†
 PïP°C†C-C”PSC,C-PI P· C,C†PsPjP±PsC†PëC,PsPïPµPSC-C”C†, P°C†PsC†C-PNëPsPIP°PSPsC† P·
 C...C†PsPSC-C†PSPëPj PiPµPïP°C,PëC,PsPj Pÿ. P·C„PµPeC,PëPIPS-C†C,CH C,P°
 P±PµP·PïPµPeC† PµP»CHC,C†PsPjP±PsPïP°PïC† PI P»C-PeC†PIP°PSPSC-
 C,C†PsPjP±PsC†PëC,PsPïPµPSC-C— C† PïP°C†C-C”PSC,C-PI P· PIC-C†C†C†PSPëPj
 PiPµPïP°C,PëC,PsPj Pÿ (P’P”Pÿ) PsC†C-PSC†PIP°P»Pë PI PrPIPsC...
 C†P°PSPrPsPjC-P·PsPIP°PSPëC... PïPsPrPIC-PNëPSPs C†P»C-PïPëC...
 PïP»P°C†PµP±PsPePsPSC,C†PsP»CHPsPIP°PSPëC... PrPsC†P»C-PrP¶PµPSPSC†C.... P’
 PrPsC†P»C-PrP¶PµPSPSC- ENABLE 1 PIPëPePsC†PëC†C,PsPIC†PIP°P»Pë
 PïPµPiC-PSC,PµC†C„PµC†PsPS P°P»CHC„P°-2P° C†PëP±P°PIC-C†PëPS PrP»C†
 PïC†PSC,PëPIC-C†C†C†PSPsPiPs P»C-PeC†PIP°PSPSC†, P° PI PrPsC†P»C-PrP¶PµPSPSC-
 ENABLE 2 б” PïPµPiC-PSC,PµC†C„PµC†PsPS P°P»CHC„P°-2b C,P° C†PëP±P°PIC-C†PëPS.
 PµP°C†C-C”PSC,Pë PSPµ PsC,C†PëPjC†PIP°P»Pë PïC†PSC,PëPIC-C†C†C†PSPëC...
 P·P°C†PsP±C-PI PïC†C†PjPsC— PrC-C—.

PÿC†P¶PeP° P°PïP»P°C†C,PëC†PSP° P°PSPµPjC-C†. P·P»CHC,C†PsPjP±PsPïP°Pi
 PIPëPIC†P°P»Pë PI PsPrPSPsC†PµPSC,C†PsPIPsPjC† PIC-PrPeC†PëC,PsPjC†
 PIPëPïC†PsP±C†PIP°PSPSC- PI PsPrPSC-PNë PïC†C†PïC- P·P° C†C†P°C†C,C†

43 $PiP^{\circ}C^{\dagger}C-C''PSC, C-PI$ $P \cdot C, CIP \parallel PePsCH$ $P^{\circ}PiP \gg P^{\circ}C^{\dagger}C, PeC \ddagger PSPsCH$ $P^{\circ}PSP_{\mu}PjC-C''CH$ C, P°
 $CH_{\mu}C,, CH_{\mu}P^{\circ}PeC, P_{\mu}CH_{\mu}PSPsCH$ $C, CH_{\mu}PsPjP \pm PsC^{\dagger}P^{\circ}C, PsPiP_{\mu}PSC-C''CH$ $PiC-C^{\dagger}P \gg C \parallel$
 $C^{\circ}_{\circ}PsPSP^{\circ}PN_{\mu}PjP_{\mu}PSC \epsilon P_{\mu}$ $PsPrPSPsPiPs$ $PeC^{\dagger}CH_{\mu}C^{\dagger}C^{\dagger}C$ $C-PjC^{\dagger}PSPsC^{\dagger}C^{\dagger}PiCH_{\mu}C^{\dagger}P^{\circ}PIPSPsC-$
 $C, P_{\mu}CH_{\mu}P^{\circ}PiC-C-$ $(P \ddagger P \ddot{Y}P \ddot{Y})$, $C \parallel PeC-$ $PjP^{\circ}P \gg P^{\circ}PeC-P \gg CH_{\mu}PeC-C^{\dagger}C, CH_{\mu}C, CH_{\mu}PsPjP \pm PsC^{\dagger}P^{\circ}C, C-PI$
 $\leq 30000/PjPeP \gg$.

$P'PIP^{\circ}P \parallel P^{\circ}P \gg PsC^{\dagger}CH_{\mu}$, $C^{\circ}_{\circ}Ps$ $P \pm C-P \gg CH_{\mu}C \epsilon C-C^{\dagger}C, CH_{\mu}$ $C^{\dagger}C \ddagger P^{\circ}C^{\dagger}PSP^{\circ}PeC-PI$, 33 (77 %), $PjP^{\circ}C''$
 $PiP_{\mu}CH_{\mu}PIP^{\circ}PSPSP_{\mu}$ $CH_{\mu}C,, CH_{\mu}P^{\circ}PeC, P_{\mu}CH_{\mu}PSP_{\mu}$ $P \cdot P^{\circ}C \dots PIPsCH_{\mu}CH_{\mu}PIP^{\circ}PSPSC \parallel$,
 $PIP^{\circ}P \cdot PSP^{\circ}C \ddagger P_{\mu}PSP_{\mu}$ $C \parallel Pe$ $PIC-PrC^{\dagger}C^{\dagger}C, PSC-C^{\dagger}C, CH_{\mu}$ $PSP^{\circ}P \gg P_{\mu}P \parallel PSPsC-$ $PIC-PrPiPsPIC-PrC-$
 PSP° $PiPsPiP_{\mu}CH_{\mu}PrPSC^{\dagger}$ $P \ddagger P \ddot{Y}P \ddot{Y}$ $P \cdot P^{\circ}$ $P \pm C^{\dagger}PrCH_{\mu}-C \parallel PeP^{\circ}Pj$ $PiPsPeP^{\circ}P \cdot PSP^{\circ}PePsPj$. P'
 $C-PSC \epsilon PeC \dots$ 10 $C^{\dagger}C \ddagger P^{\circ}C^{\dagger}PSP^{\circ}PeC-PI$ $P \pm C^{\dagger}P \gg P^{\circ}$ $PSP_{\mu}PrPsC^{\dagger}C, P^{\circ}C, PSC \parallel$ $PIC-PrPiPsPIC-PrCH_{\mu}$
 $C, CH_{\mu}PsPjP \pm PsC^{\dagger}P^{\circ}C, C-PI$ PSP° $PiPsPiP_{\mu}CH_{\mu}PrPSC''$ $P \gg C-PeC^{\dagger}PIP^{\circ}PSPSC \parallel$. $P^{\circ}C^{\dagger}C-$ 10
 $PsC, CH_{\mu}P^{\circ}PjP^{\circ}P \gg P^{\circ}$ $C^{\circ}_{\circ}PsPSP^{\circ}PN_{\mu}PjP_{\mu}PSC \epsilon P_{\mu}$ 2 $PiPsPiP_{\mu}CH_{\mu}PrPSC-$ $C^{\dagger}C \dots P_{\mu}PjP^{\circ}$ $P \ddagger P \ddot{Y}P \ddot{Y}$, P°
50 % $\gg$ $C^{\circ}_{\circ}PsPSP^{\circ}PN_{\mu}PjP_{\mu}PSC \epsilon P_{\mu}$ 3 $PiPsPiP_{\mu}CH_{\mu}PrPSC-$ $C^{\dagger}C \dots P_{\mu}PjP^{\circ}$ $P \ddagger P \ddot{Y}P \ddot{Y}$.
 $P_{\mu}C^{\dagger}C-C''PSC, P^{\circ}$ $P \cdot P^{\circ}PSP_{\mu}PjC-C''CH$ $P \propto P^{\circ}PSP^{\circ}PePsPSC-$, $C-PSC,, P_{\mu}PeC^{\dagger}C-C''CH$, $C^{\circ}_{\circ}Ps$ PSP_{μ}
 $PIC-PrPiPsPIC-PrP^{\circ}C''$ PSP° $PSP^{\circ}P \gg P_{\mu}P \parallel PSC^{\dagger}C, P_{\mu}CH_{\mu}P^{\circ}PiC-CH_{\mu}$, $PSP^{\circ}C \parallel PIPSC-C^{\dagger}C, CH_{\mu}$ $P_{\mu}P^{\circ}P-$
 $PeP \gg PsPSC^{\dagger}$ PI $PSP_{\mu}PN_{\mu}C, CH_{\mu}PsC,, C-P \gg P^{\circ}C \dots$ PSP° $CH_{\mu}C-PIPSC-$ ≥ 50 %, $P \pm C^{\dagger}P \gg P^{\circ}$
 $PIP^{\circ}PeP \gg CH_{\mu}C \ddagger P_{\mu}PSC-$ $P \cdot PrPsC^{\dagger}P \gg C-PrP \parallel P_{\mu}PSPSC \parallel$. $P^{\circ}P$ $PIP^{\circ}C \dots C-PrPSPsPjC^{\dagger}$ $CH_{\mu}C-PIPSC-$
 $PjP_{\mu}PrC-P^{\circ}PSP^{\circ}$ $PeC-P \gg CH_{\mu}PePsC^{\dagger}C, C-$ $C, CH_{\mu}PsPjP \pm PsC^{\dagger}P^{\circ}C, C-PI$ $C^{\dagger}C, P^{\circ}PSPsPiP^{\circ}P \gg P^{\circ}$
20 000/ $PjPeP \gg$, $CH_{\mu}C-PIPSC-$ $PiP_{\mu}PjPsPiP \gg PsP \pm C-PSC^{\dagger}$ $\gg$ 8,4 $Pi/PrP \gg$, $P_{\mu}P_{\mu}P^{\circ}P$ $\gg$ 0,58 $\times 10^9/P \gg$,
 P° $P^{\circ}P \pm C^{\dagger}PsP \gg CH_{\mu}C, PSP^{\circ}$ $PeC-P \gg CH_{\mu}PeC-C^{\dagger}C, CH_{\mu}$ $CH_{\mu}C, PePeC^{\dagger}P \gg PsC^{\dagger}P^{\circ}C, C-PI$ $\gg$
24,3 $\times 10^9/P \gg$. 86 % $PiP^{\circ}C^{\dagger}C-C''PSC, C-PI$ $PjP^{\circ}P \gg P^{\circ}$ $P \cdot P^{\circ}P \gg P_{\mu}P \parallel PSC-C^{\dagger}C, CH_{\mu}$ $PIC-Pr$
 $PiP_{\mu}CH_{\mu}P_{\mu}P \gg P^{\circ}PIP^{\circ}PSPSC \parallel$ $P_{\mu}CH_{\mu}P^{\circ}C, CH_{\mu}PsC^{\dagger}P^{\circ}C, C-PI$, P° 91 % $\gg$ $PIC-Pr$
 $PiP_{\mu}CH_{\mu}P_{\mu}P \gg P^{\circ}PIP^{\circ}PSPSC \parallel$ $C, CH_{\mu}PsPjP \pm PsC^{\dagger}P^{\circ}C, C-PI$. $P^{\circ}C-P \gg CH_{\mu}C \epsilon C-C^{\dagger}C, CH_{\mu}$
 $PiP^{\circ}C^{\dagger}C-C''PSC, C-PI$ (84 %) $PsC, CH_{\mu}P^{\circ}PjP^{\circ}P \gg P^{\circ}$ $C^{\circ}_{\circ}PsPSP^{\circ}PN_{\mu}PjP_{\mu}PSC \epsilon P_{\mu}$ 2
 $PiPsPiP_{\mu}CH_{\mu}PrPSC-$ $PeC^{\dagger}CH_{\mu}C^{\dagger}P^{\circ}$ $P \ddagger P \ddot{Y}P \ddot{Y}$. $P \ddot{Y}CH_{\mu}P^{\circ}$ $PiP^{\circ}C^{\dagger}C-C''PSC, P^{\circ}$ $PjP^{\circ}P \gg P^{\circ}$
 $C^{\dagger}P^{\circ}C, PsPiP_{\mu}PSP_{\mu}C, PeC \ddagger PSC-$ $PiP^{\circ}C, PsP \gg PsPiC-C-$ PSP° $PIP^{\circ}C \dots C-PrPSPsPjC^{\dagger}$ $CH_{\mu}C-PIPSC-$.

$P_{\mu}P_{\mu}CH_{\mu}PIP^{\circ}PSPSPsCH$ $PeC-PSC \ddagger P_{\mu}PIPsCH$ $C, PsC \ddagger PePsCH$ $P \pm C^{\dagger}P \gg P^{\circ}$
 $PiP_{\mu}PjP^{\circ}C, PsP \gg PsPiC-C \ddagger PSP^{\circ}$ $PIC-PrPiPsPIC-PrCH_{\mu}$ $P \cdot P^{\circ}$ $PsC^{\dagger}C-PSP^{\circ}PePsCH$ $C \ddagger P_{\mu}CH_{\mu}P_{\mu}P$.
12 $C, P^{\circ}P \parallel PSC-PI$ $P \gg C-PeC^{\dagger}PIP^{\circ}PSPSC \parallel$ $P_{\mu}P \gg CH_{\mu}C, CH_{\mu}PsPjP \pm PsPiP^{\circ}PiPsPj$.
 $P''P_{\mu}PjP^{\circ}C, PsP \gg PsPiC-C \ddagger PSC^{\dagger}$ $PIC-PrPiPsPIC-PrCH_{\mu}$ $PIP^{\circ}P \cdot PSP^{\circ}C \ddagger P^{\circ}P \gg P^{\circ}$ $C \parallel Pe$
 $PIC-PrPiPsPIC-PrPSC-C^{\dagger}C, CH_{\mu}$ $PsPrPSPsPjC^{\dagger}$ $C \ddagger P^{\circ}$ $PeC-P \gg CH_{\mu}PePsPj$ $P \cdot C, P^{\circ}PeP^{\circ}C \dots$
 $PeCH_{\mu}P^{\circ}C, P_{\mu}CH_{\mu}C-C-PI$: $P \cdot CH_{\mu}PsC^{\dagger}C, P^{\circ}PSPSC \parallel$ $PeC-P \gg CH_{\mu}PePsC^{\dagger}C, C-$ $C, CH_{\mu}PsPjP \pm PsC^{\dagger}P^{\circ}C, C-PI$
 $PrPs$ 20000/ $PjPeP \gg$ $PIC-Pr$ $PIP^{\circ}C \dots C-PrPSPsPiPs$ $CH_{\mu}C-PIPSC \parallel$ $P^{\circ}P \pm Ps$
 $C^{\dagger}C, P^{\circ}P \pm C-P \gg C-P \cdot P^{\circ}C^{\dagger}C-C \parallel$ $PeC-P \gg CH_{\mu}PePsC^{\dagger}C, C-$ $C, CH_{\mu}PsPjP \pm PsC^{\dagger}P^{\circ}C, C-PI$ PSP° $C, P \gg C-$
 $PSP_{\mu}P \cdot P^{\circ}P \gg P_{\mu}P \parallel PSPsC^{\dagger}C, C-$ $PIC-Pr$ $PiP_{\mu}CH_{\mu}P_{\mu}P \gg P^{\circ}PIP^{\circ}PSC^{\dagger}$ $PiCH_{\mu}PsC, C \parallel PiPsPj$
 $PiCH_{\mu}P^{\circ}PSP^{\circ}PN_{\mu}PjPSC-$ 8 $C, P^{\circ}P \parallel PSC-PI$; $PiC-PrPIP^{\circ}C^{\circ}_{\circ}P_{\mu}PSPSC \parallel$ $CH_{\mu}C-PIPSC-PI$
 $PiP_{\mu}PjPsPiP \gg PsP \pm C-PSC^{\dagger}$ PSP° $> 1,5$ $Pi/PrP \gg$ $P^{\circ}P \pm Ps$ $P \cdot PjP_{\mu}PSC \epsilon P_{\mu}PSPSC \parallel$ PSP°
 ≥ 4 $PsPrP^{\circ}PSP^{\circ}C^{\dagger}C-$ $PiP_{\mu}CH_{\mu}P_{\mu}P \gg P^{\circ}PIP^{\circ}PSC^{\dagger}$ $P_{\mu}CH_{\mu}P^{\circ}C, CH_{\mu}PsC^{\dagger}P^{\circ}C, C-PI$ $PiCH_{\mu}PsC, C \parallel PiPsPj$ 8
 $C, P^{\circ}P \parallel PSC-PI$ $PiPsC^{\dagger}PiC-P \gg CH_{\mu}$; $P \cdot P \pm C-P \gg CH_{\mu}C \epsilon P_{\mu}PSPSC \parallel$ $P^{\circ}P \pm C^{\dagger}PsP \gg CH_{\mu}C, PSPsC-$
 $PeC-P \gg CH_{\mu}PePsC^{\dagger}C, C-$ $PSP_{\mu}PN_{\mu}C, CH_{\mu}PsC,, C-P \gg C-PI$ ($P_{\mu}P_{\mu}P^{\circ}$) $PrPs$ 100 % $P^{\circ}P \pm Ps$
 $P \cdot P \pm C-P \gg CH_{\mu}C \epsilon P_{\mu}PSPSC \parallel$ $P_{\mu}P_{\mu}P^{\circ} > 0,5 \times 10^9/P \gg$.

$P_{\mu}P^{\circ}C^{\dagger}C, PsC, P^{\circ}$ $PiP_{\mu}PjP^{\circ}C, PsP \gg PsPiC-C \ddagger PSPsC-$ $PIC-PrPiPsPIC-PrC-$ $C^{\dagger}C, P^{\circ}PSPsPiP^{\circ}P \gg P^{\circ}$ 40 %
(17 $C-P$. 43 $PiP^{\circ}C^{\dagger}C-C''PSC, C-PI$; 95 % $P''P \ddagger 25, 56$), $PiCH_{\mu}P^{\circ}C \ddagger PsPjC^{\dagger}$ $P \pm C-P \gg CH_{\mu}C \epsilon C-C^{\dagger}C, CH_{\mu}$
 $PrP^{\circ}P \gg P^{\circ}$ $PIC-PrPiPsPIC-PrCH_{\mu}$ $P \cdot P^{\circ}$ $PsPrPSP^{\circ}Pj$ $PiPsPeP^{\circ}P \cdot PSP^{\circ}PePsPj$ (13/17, 76 %), $C, PsPrC-$
 $C \parallel Pe$ $C \ddagger P_{\mu}CH_{\mu}P_{\mu}P$. 12 $C, P^{\circ}P \parallel PSC-PI$ $P \pm C^{\dagger}P \gg Ps$ $PIC-PrP \cdot PSP^{\circ}C \ddagger P_{\mu}PSPs$ 3 $PIC-PrPiPsPIC-PrC-$ $P \cdot P^{\circ}$
2 $PiPsPeP^{\circ}P \cdot PSP^{\circ}PeP^{\circ}PjP^{\circ}$ C, P° 1 $PIC-PrPiPsPIC-PrCH_{\mu}$ $P \cdot P^{\circ}$ 3 $PiPsPeP^{\circ}P \cdot PSP^{\circ}PeP^{\circ}PjP^{\circ}$.
 $P-P^{\circ}C^{\dagger}C, PsC^{\dagger}C^{\dagger}PIP^{\circ}PSPSC \parallel$ $P_{\mu}P \gg CH_{\mu}C, CH_{\mu}PsPjP \pm PsPiP^{\circ}PiC^{\dagger}$ $PiCH_{\mu}P^{\circ}PiP^{\circ}PSC \parallel P \gg P^{\circ}$ $C \ddagger P_{\mu}CH_{\mu}P_{\mu}P$.
16 $C, P^{\circ}P \parallel PSC-PI$, $C \parallel PeC^{\circ}_{\circ}Ps$ $PiP_{\mu}PjP^{\circ}C, PsP \gg PsPiC-C \ddagger PSP^{\circ}$ $PIC-PrPiPsPIC-PrCH_{\mu}$ $P^{\circ}P \pm Ps$

PSP_μP·P°P»P_μP¶PSC-ClC,CH PIC-Pr PīP_μCH_μP»PēPIP°PSC_μ PSP_μ P±CfP»Pē
 PrPsClC_μIPiPSCfC,C-. P_μP°C+C-C"PS_C,Pē, ClPeC- PrP°P»Pē PIC-PrPīPsPIC-PrCH_μ,
 PīCH_μPsPrPsPIP¶PēP»Pē P»C-PeCfPIP°PSPSC_μ PI CH_μPsP·CēPēCH_μPμPSC-PN_μ C,,P°P·C-
 PrPsClP»C-PrP¶P_μPSPSC_μ. P'ClCH_μPsPiPs 14 PīP°C+C-C"PS_C,C-PI CfPIC-PN_μCēP»Pē PrPs
 C+C-C"C— C,,P°P·Pē. 9 P· C+PēC... PīP°C+C-C"PS_C,C-PI PrPsClC_μIPiP»Pē PIC-PrPīPsPIC-PrC- P·P°
 PrP_μPeC-P»CH_μPePsPjP° PīPsPeP°P·PSPēPeP°PjPē, 4 P· 9 PīCH_μPsPrPsPIP¶CfPIP°P»Pē
 PsC,CH_μPēPjCfPIP°C,Pē C,P_μCH_μP°PīC-CH_μ, P° 5 P·PjP_μPSCēPēP»Pē PsP±ClC_μIPi
 P»C-PeCfPIP°PSPSC_μ P_μP»CH_μC,CH_μPsPjP±PsPīP°PiPsPj C,P° PīC-PrC,CH_μPēPjCfPIP°P»Pē
 PIC-PrPīPsPIC-PrCH_μ (PjP_μPrC-P°PSP° ClPīPsClC,P_μCH_μPμP¶P_μPSPSC_μ бґ" 20,6 PjC-ClC_μC+C_μ,
 PrC-P°PīP°P·PsPS бґ" PIC-Pr 5,7 PrPs 22,5 PjC-ClC_μC+C_μ). P+PSCēC- 5 PīP°C+C-C"PS_C,C-PI
 PīCH_μPēPīPēPSPēP»Pē C,P_μCH_μP°PīC-CH_μ: C,CH_μPsC" бґ" C+P_μCH_μPμP· CH_μPμC+PēPrPēPI C+P_μCH_μPμP·
 3 PjC-ClC_μC+C- CH_μPsP·CēPēCH_μPμPSPsC— C,,P°P·Pē. P_μC-Pr C+P°Cl P»C-PeCfPIP°PSPSC_μ
 P_μP»CH_μC,CH_μPsPjP±PsPīP°PiPsPj 59 % (23/39) PīP°C+C-C"PS_C,C-PI PrPsClC_μIPiP»Pē
 PSP_μP·P°P»P_μP¶PSPsClC,C- PIC-Pr PīP_μCH_μPμP»PēPIP°PSC_μ C,CH_μPsPjP±PsC+PēC,C-PI
 (28 PrPSC-PI P±PμP· PīP_μCH_μPμP»PēPIP°PSPSC_μ), P° 27 % (10/37) PrPsClC_μIPiP»Pē
 PSP_μP·P°P»P_μP¶PSPsClC,C- PIC-Pr PīP_μCH_μPμP»PēPIP°PSC_μ PμCH_μPēC,CH_μPsC+PēC,C-PI
 (56 PrPSC-PI P±PμP· PīP_μCH_μPμP»PēPIP°PSPSC_μ). PkP°PN_μPrPsPICēPēPN_μ PīP_μCH_μC-PsPr
 PSP_μP·P°P»P_μP¶PSPsClC,C- PIC-Pr PīP_μCH_μPμP»PēPIP°PSC_μ C,CH_μPsPjP±PsC+PēC,C-PI PrP»C_μ
 C,PēC..., C...C,Ps PSP_μ PrP°PI PIC-PrPīPsPIC-PrC-, PrPsCH_μC-PIPSCH_μPIP°PI 27 PrPSC-PI
 (PjP_μPrC-P°PSP°). PkP°PN_μPrPsPICēPēPN_μ PīP_μCH_μC-PsPr PSP_μP·P°P»P_μP¶PSPsClC,C- PIC-Pr
 PīP_μCH_μPμP»PēPIP°PSC_μ C,CH_μPsPjP±PsC+PēC,C-PI PrP»C_μ C,PēC..., C...C,Ps PrP°PI
 PIC-PrPīPsPIC-PrCH_μ, PrPsCH_μC-PIPSCH_μPIP°PI 287 PrPSC-PI (PjP_μPrC-P°PSP°).
 PkP°PN_μPrPsPICēPēPN_μ PīP_μCH_μC-PsPr PSP_μP·P°P»P_μP¶PSPsClC,C- PIC-Pr
 PīP_μCH_μPμP»PēPIP°PSC_μ PμCH_μPēC,CH_μPsC+PēC,C-PI PrP»C_μ C,PēC..., C...C,Ps PSP_μ PrP°PI
 PIC-PrPīPsPIC-PrC-, PrPsCH_μC-PIPSCH_μPIP°PI 29 PrPSC-PI (PjP_μPrC-P°PSP°).
 PkP°PN_μPrPsPICēPēPN_μ PīP_μCH_μC-PsPr PSP_μP·P°P»P_μP¶PSPsClC,C- PIC-Pr
 PīP_μCH_μPμP»PēPIP°PSC_μ PμCH_μPēC,CH_μPsC+PēC,C-PI PrP»C_μ C,PēC..., C...C,Ps PrP°PI
 PIC-PrPīPsPIC-PrCH_μ, PrPsCH_μC-PIPSCH_μPIP°PI 266 PrPSC-PI (PjP_μPrC-P°PSP°).

P_μPsPSP°Pr 50 % C,PēC..., C...C,Ps PrP°PI PIC-PrPīPsPIC-PrCH_μ C- P·P°P»P_μP¶P°PI PIC-Pr
 PīP_μCH_μPμP»PēPIP°PSC_μ PSP° PIPēC...C-PrPSPsPjCf CH_μC-PIPS_C-, PrPsClC_μIPiP»Pē
 P·PSPēP¶P_μPSPSC_μ PSP° > 80 % PīPsC,CH_μPμP±Pē PI PīP_μCH_μPμP»PēPIP°PSPSC- ClPe
 C,CH_μPsPjP±PsC+PēC,C-PI, C,P°Pe C- PμCH_μPēC,CH_μPsC+PēC,C-PI PīPsCH_μC-PIPS_CIPSPs P·
 PIPēC...C-PrPSPēPj CH_μC-PIPS_μPj.

P_μPsPīP_μCH_μPμPrPSC- PrP°PSC- PīC-PrC,PIP_μCH_μPrPSPsPiPs PrPsClP»C-PrP¶P_μPSPSC_μ
 (PrPsClP»C-PrP¶P_μPSPSC_μ ELT116826), PSP_μCH_μP°PSPrPsPjC-P·PsPIP°PSPsPiPs
 PIC-PrPeCH_μPēC,PsPiPs PrPsClP»C-PrP¶P_μPSPSC_μ C,,P°P·Pē II PI PsPrPSC-PN_μ PīCH_μCfPīC-,
 PīCH_μPsPIPμPrPμPSPsPiPs P·P° CfC+P°ClC,CH PīP°C+C-C"PS_C,C-PI P·
 CH_μPμC,,CH_μP°PeC,PμCH_μPSPsCH_μ C,ClP¶PePsCH_μ P°PīP»P°ClC,PēC+PSPsCH_μ P°PSPμPjC-C"CH_μ
 (PŷPḡPḡ), PīCH_μPsPrPμPjPsPSCfC,CH_μCfPIP°P»Pē CfP·PiPsPrP¶PμPSC- CH_μPμP·CfP»CH_μC,P°C,Pē.
 P"°PSC- PsP±PjPμP¶PμPSC- 21 C-P· P·P°PīP»P°PSPsPIP°PSPēC... 60 PīP°C+C-C"PS_C,C-PI P·
 PīPμPjP°C,PsP»PsPīC-C+PSPsCH_μ PIC-PrPīPsPIC-PrPrCH_μ, PīCH_μPs ClPeCf PīPsPIC-PrPsPjPēP»Pē
 52 % PīP°C+C-C"PS_C,C-PI C+PμCH_μPμP· 6 PjC-ClC_μC+C-PI. P'C-PrPīPsPIC-PrCH_μ P·P°
 PrP_μPeC-P»CH_μPePsPjP° PīPsPeP°P·PSPēPeP°PjPē P±CfP»P° PIC-PrP·PSP°C+PμPSP° Cf 45 %
 PīP°C+C-C"PS_C,C-PI.

P_μP°CH_μPjP°PePsPeC-PSPμC,PēPeP°.

P_μP°CH_μPjP°PePsPeC-PSPμC,PēC+PSC- PīP°CH_μP°PjPμC,CH_μPē PμP»CH_μC,CH_μPsPjP±PsPīP°PīCf
 PīCH_μPē P·P°ClC,PsClCfPIP°PSPSC- PrP»C_μ P»C-PeCfPIP°PSPSC_μ PrPsCH_μPsClP»PēC...,
 C...PIPsCH_μPēC... PSP° C-PrC-PsPīP°C,PēC+PSCf C,CH_μPsPjP±PsC+PēC,PsPīPμPSC-C+PSCf

PsC₇PIP°PSC-C₁PSPëC... P°PSC-PsPSC-PI.

P₇μC, P°P±PsP»C-P·Pj. P·P»CHC, C₇PsPjP±PsP₁P°Pi P₁μC₇PIPëPSPSPs
PjμC, P°P±PsP»C-P·C₇C''C, CHC₇C₇ C₆P»C₇C... PsPj C₇PsP·C%₀PμP₁P»PμPSPSC₇,
PsPePëC₇P»PμPSPSC₇ C, P° PePsPSB₇™ C₇PIP°C₇C— P· P₁P»C₇PeC₇C₇PsPSPsPIPsC₇
PePëC₇P»PsC, PsC₇, P₁P»C₇C, P°C, C-PsPSPsPj P°P±Ps C₇PëC₇C, PμC—PSPsPj. PμC-Pr C₇P°C₇
C₇P°PrC-PsP»PsP₁C-C₁PSPsP₁Ps PrPsC₇P»C-PrP₁μPSPSC₇ PμP»CHC, C₇PsPjP±PsP₁P°Pi
PIC-PrP₁PsPIC-PrP°PI P₁C₇PëP±P»PëP·PSPs P·P° 64 % AUC P₁P»P°P·PjPsPIPsP₁Ps
C₇P°PrC-PsP°PeC, PëPIPS₁Ps PIC₇P₁P»PμC₇C₇. P₆PμP·PSP°C₇PSC- PjμC, P°P±PsP»C-C, Pë,
PsC, C₇PëPjP°PSC- C₇ C₇PμP·C₇P»CHC, P°C, C- P₁P»C₇PeC₇C₇PsPSC-P·P°C₇C— C, P°
PsPePëC₇P»PμPSPSC₇, PePsP₁μPS P· C₇PePëC... PIC-PrP₁PsPIC-PrP°C'' PjμPSC€ PSC-P₁ P·P°
10 % P₁P»P°P·PjPsPIPsC— C₇P°PrC-PsP°PeC, PëPIPS₁C₇C, C-, C, P°PePsP₁ P±C₇P»Pë
PIPëC₇PIP»PμPSC-. P— PsP₁P»C₇PrC₇ PSP° PrP°PSC- PrPsC₇P»C-PrP₁μPSPSC₇
P·P°C₇C, PsC₇C₇P₁P°PSPSC₇ P»C₇PrPëPSC- PjC-C₇PμPSPsP₁Ps C₇P°PrC-PsP°PeC, PëPIPS₁Ps
PμP»CHC, C₇PsPjP±PsP₁P°PiC₇ PIP₁P°P₁P°C''C, CHC₇C₇ C%₀Ps P₁C₇PëP±P»PëP·PSPs 20 %
PrPsP·Pë PjμC, P°P±PsP»C-P·C₇C''C, CHC₇C₇ C₆P»C₇C... PsPj PsPePëC₇P»PμPSPSC₇. P—P°
PrP°PSPëPjPë PrPsC₇P»C-PrP₁μPSPSC₇ in vitro P±C₇P»Ps C-PrPμPSC, PëC,, C-PePsP₁P°PSPs,
C%₀Ps C-P·PsPμPSP·PëPjPë CYP1A2 C, P° CYP2C8 PIC-PrP₁PsPIC-PrP°P»CHPSC- P·P°
PjμC, P°P±PsP»C-P·Pj C₆P»C₇C... PsPj PsPePëC₇P»PμPSPSC₇, C-P·PsPμPSP·PëPjPë
C₇C₇PëPrPëPSP₁PëC,, PsC₇C,, PsP₁P»C₇PeC₇C₇PsPSC-P»C, C₇P°PSC₇C,, PμC₇P°P·Pë UGT1A1 C, P°
UGT1A3 PIC-PrP₁PsPIC-PrP°P»CHPSC- P·P° P₁P»C₇PeC₇C₇PsPSC-P·P°C₇C— C₇, P°
P±P°PeC, PμC₇C— P· PSPëP₁PSC-C... PIC-PrPrC-P»C-PI C₆P»C₇PSPePsPIPs-
PePëC€PePsPIPsP₁Ps C, C₇P°PeC, C₇ PjPsP₁C₇C, CH P±C₇C, Pë PIC-PrP₁PsPIC-PrP°P»CHPSPëPjPë
P·P° P₁C₇PsC₇PμC₇ C₇PsP·C%₀PμP₁P»PμPSPSC₇ P₁C₇PμP₁P°C₇P°C, C₇.

P·P»C-PjC-PSP°C₇C—C₇. P₇P±C₇PsC₇P±PsP₁P°PSPëP₁ PμP»CHC, C₇PsPjP±PsP₁P°Pi
C-PSC, PμPSC₇PëPIPS₁ PjμC, P°P±PsP»C-P·C₇C''C, CHC₇C₇ P'PëPIPsPrPëC, CHC₇C₇
PμP»CHC, C₇PsPjP±PsP₁P°Pi P₁μC₇PμP₁P°P₁PSPs P· C,, PμPeP°P»C-C₇PjPë (59 %), 31 %
PrPsP·Pë PIPëC₇PIP»C₇C''C, CHC₇C₇ C₇ C₇PμC₇C— C₇ PIPëP₁P»C₇PrC-
PjμC, P°P±PsP»C-C, C-PI. P₆PμP·PjC-PSPμPSPsP₁Ps PμP»CHC, C₇PsPjP±PsP₁P°PiC₇ C₇ C₇PμC₇C-
PSPμ PIPëC₇PIP»PμPSPs. P₆PμP·PjC-PSPμPSPëP₁ PμP»CHC, C₇PsPjP±PsP₁P°Pi, C%₀Ps
PμPeC₇PeC₇PμC, C₇C''C, CHC₇C₇ P· C,, PμPeP°P»C-C₇PjPë, C₇C, P°PSPsPIPëC, CH
P₁C₇PëP±P»PëP·PSPs 20 % PrPsP·Pë. PμPμC₇C-PsPr PSP°P₁C-PIPIPëPIPμPrPμPSPSC₇
PμP»CHC, C₇PsPjP±PsP₁P°PiC₇ P· P₁P»P°P·PjPë C₇C, P°PSPsPIPëC, CH P₁C₇PëP±P»PëP·PSPs
21B₇''32 P₁PsPrPëPSPë.

PαP°C₇PjP°PePsPeC-PSPμC, PëC₇PSC- PIP·P°C''PjPsPrC-C—. T₇C₇C₇PSC, C₇C₇C₇PëC₇C₇ PSP°
C₇PμP·C₇P»CHC, P°C, P°C... PrPsC₇P»C-PrP₁μPSC₇ P· PjC-C₇PμPSPëPj
C₇P°PrC-PsP°PeC, PëPIPS₁PëPj PμP»CHC, C₇PsPjP±PsP₁P°PiPsPj, PjPsP₁PSP°
C₇C, PIPμC₇PrP₁C₇P₁P°C, Pë, C%₀Ps P₁P»C₇PeC₇C₇PsPSC-P·P°C₇C—C₇ PIC-PrC-PiC₇P°C''
PSPμP·PSP°C₇PSC₇ C₇PsP»CH C₇ P₁PsP₁Ps PjμC, P°P±PsP»C-P·PjC-
P''PsC₇P»C-PrP₁μPSPSC₇ P· PIPëPePsC₇PëC₇C, P°PSPSC₇Pj PjC-PeC₇PsC₇PsPj
P₁μC₇C-PSPePë P»C₇PrPëPSPë P₁PsPeP°P·P°P»Pë, C%₀Ps C₇P°PjPμ C,, PμC₇PjPμPSC, Pë UGT1A1
C, P° UGT1A3 PIC-PrP₁PsPIC-PrP°C₇C, CH P·P° P₁P»C₇PeC₇C₇PsPSC-P·P°C₇C— C₇
PμP»CHC, C₇PsPjP±PsP₁P°PiC₇. P·P»CHC, C₇PsPjP±PsP₁P°Pi P±C₇PI C-PSP₁C-P±C-C, PsC₇PsPj
PSPëP·PePë C,, PμC₇PjPμPSC, C-PI UGT in vitro. P₇P»C-PSC-C₇PSPs P·PSP°C₇C₇C%₀PsC—
PjPμPrPëPeP°PjPμPSC, PsP·PSPsC— PIP·P°C''PjPsPrC-C— C-P· P·P°P»C₇C₇PμPSPSC₇Pj
P₁P»C₇PeC₇C₇PsPSC-P·P°C₇C— PSPμ PsC₇C-PeC₇C''C, CHC₇C₇ C₇ P·P₁B₇™ C₇PeC₇ P·
PsP±PjPμP₁PμPSPëPj PIP₁P»PëPIPsPj PμPSP·PëPjC-PI UGT PSP° P₁C₇PsC₇PμC₇
P₁P»C₇PeC₇C₇PsPSC-P·P°C₇C— PμP»CHC, C₇PsPjP±PsP₁P°PiC₇ C, P°
P₁PsC, PμPSC₇C-PN₇PSPëC... C₇C₇P₁C₇C, PSC-C... P₁C₇PμP₁P°C₇P°C, C-PI.

PrPsP±CḡPsPIPsP»CHC†CḡPjPë. PḡPsC†P° P·P°P·PIPëC†P°PNë Cḡ PḡP°C†C-C”PSC,C-PI P·
PSPëCḡPePsPIPsCḡ PSPḡPrPsCḡC,P°C,PSC-CḡC,Cḡ P·PjPḡPSCëCḡC,CḡCḡCḡ PḡP»P°P·PjPsPIP°
PePsPSC†PḡPSC,CḡP°C†C-Cḡ PḡP»CHC,CḡPsPjP±PsPḡP°PiCḡ, C-CḡPSCḡC” CḡCḡC,C,C”PIP°
PIP°CḡC-P°P±PḡP»CHPSC-CḡC,Cḡ PḡPsPeP°P·PSPëPeC-PI PḡPeCḡPḡPsP·PëC†C-C— PḡCḡPë
PḡPsCḡC-PIPSḡPSPSC- PḡP°C†C-C”PSC,C-PI P· PSPëCḡPePsPIPsCḡ
PSPḡPrPsCḡC,P°C,PSC-CḡC,Cḡ C- P·PrPsCḡPsPIPëC... PrPsP±CḡPsPIPsP»CHC†C-PI.
PḡP°C†C-C”PSC,P°Pj P· PSPëCḡPePsPIPsCḡ PSPḡPrPsCḡC,P°C,PSC-CḡC,Cḡ
PSPḡPsP±C...C-PrPSPs P·P°CḡC,PSCḡPsPICḡPIP°C,Pë PḡP»CHC,CḡPsPjP±PsPḡP°Pi P·
PsP±PḡCḡPḡPḡPSC-CḡC,Cḡ C- P·P° CḡPjPsPIPë PḡPsCḡC,C-PNëPSPsPiPs
CḡPḡPsCḡC,PḡCḡPḡPḡPḡPSPSCḡ, PSP°PḡCḡPëPeP»P°Pr CëP»CḡC...PsPj
PIPëPjC-CḡCḡPIP°PSPSCḡ CḡPëCḡPsPIP°C,PePsPIPsPiPs PeCḡPḡP°C,PëPSC-PSCḡ C,P°/P°P±Ps
PḡCḡPsPIPḡPrPḡPSPSCḡ P°PSP°P»C-P·Cḡ CḡPḡC†C-. P·C,,PḡPeC,PëPIPSḡ-CḡC,Cḡ C-
P±PḡP·PḡPḡPeP° PḡP»CHC,CḡPsPjP±PsPḡP°PiCḡ Cḡ PḡP°C†C-C”PSC,C-PI P· PḡPsPjC-CḡPSPsCḡ
P°P±Ps C,CḡPḡPePsCḡ PSPëCḡPePsPIPsCḡ PSPḡPrPsCḡC,P°C,PSC-CḡC,Cḡ C,P°
PḡPsCḡCḡCëPḡPSPSCḡPjPë C,,CḡPSPëC†C-C— PḡPḡC†C-PSPePë PSPḡ PICḡC,P°PSPsPIP»PḡPSC-.

PḡPḡC†C-PSPePsPIP° PSPḡPrPsCḡC,P°C,PSC-CḡC,Cḡ. PḡP°CḡPjP°PePsPeC-PSPḡC,PëPeP°
PḡP»CHC,CḡPsPjP±PsPḡP°PiCḡ PIPëPIC†P°P»P°CḡCḡ PḡC-CḡP»Cḡ P·P°CḡC,PSCḡCḡPIP°PSPSCḡ
C†CHḡPsPiPs PḡCḡPḡPḡP°CḡC,Cḡ PrPsCḡPsCḡP»PëPj PḡP°C†C-C”PSC,P°Pj P·
PḡPḡC†C-PSPePsPIPsCḡ PSPḡPrPsCḡC,P°C,PSC-CḡC,Cḡ. PḡC-CḡP»Cḡ PḡCḡPëPNëPsPjCḡ
CḡP°P·PsPIPsC— PrPsP·Pë 50 PjPi AUC PḡP»CHC,CḡPsPjP±PsPḡP°PiCḡ
P·P±C-P»CHCëCḡPIP°P»P°CḡCḡ PSP° 41 % Cḡ C...PIPsCḡPëC... C-P· P»PḡPiPePsCḡ
PḡPḡC†C-PSPePsPIPsCḡ PSPḡPrPsCḡC,P°C,PSC-CḡC,Cḡ, PSP° 80 % бḡ” Cḡ C...PIPsCḡPëC... C-P·
PḡPsPjC-CḡPSPsCḡ PḡPḡC†C-PSPePsPIPsCḡ PSPḡPrPsCḡC,P°C,PSC-CḡC,Cḡ C,P° PSP° 93 % бḡ”
Cḡ C...PIPsCḡPëC... C-P· C,CḡPḡPePsCḡ PḡPḡC†C-PSPePsPIPsCḡ PSPḡPrPsCḡC,P°C,PSC-CḡC,Cḡ
PḡPsCḡC-PIPSḡPSPs P· PIC-PrPḡPsPIC-PrPSPëPj PḡPsPeP°P·PSPëPePsPj Cḡ P·PrPsCḡPsPIPëC...
PrPsP±CḡPsPIPsP»CHC†C-PI. P†CḡPSCḡC” CḡCḡC,C,C”PIP° PIP°CḡC-P°P±PḡP»CHPSC-CḡC,Cḡ
PḡPsPeP°P·PSPëPeC-PI PḡPeCḡPḡPsP·PëC†C-C— PḡCḡPë PḡPsCḡC-PIPSḡPSPSC-
PḡP°C†C-C”PSC,C-PI P· PḡPḡC†C-PSPePsPIPsCḡ PSPḡPrPsCḡC,P°C,PSC-CḡC,Cḡ C-
P·PrPsCḡPsPIPëC... PrPsP±CḡPsPIPsP»CHC†C-PI.

PḡPḡP»PëPi PḡPḡC†C-PSPePsPIPsC— PSPḡPrPsCḡC,P°C,PSPsCḡC,C- PSP°
C,,P°CḡPjP°PePsPeC-PSPḡC,PëPeCḡ PḡP»CHC,CḡPsPjP±PsPḡP°PiCḡ PḡCḡPë
PḡPsPIC,PSCḡPSPsPjCḡ P·P°CḡC,PSCḡCḡPIP°PSPSC- P±CḡPI PIPëPIC†PḡPSPëPNë CëP»CḡC...PsPj
PḡPsPiCḡP»CḡC†C-PNëPSPsPiPs C,,P°CḡPjP°PePsPeC-PSPḡC,PëC†PSPsPiPs P°PSP°P»C-P·Cḡ
PrP°PSPëC... 28 P·PrPsCḡPsPIPëC... PrPsP±CḡPsPIPsP»CHC†C-PI C,P° 714 PḡP°C†C-C”PSC,C-PI
P· PḡPsCḡCḡCëPḡPSPSCḡPj C,,CḡPSPëC†C-C— PḡPḡC†C-PSPePë (673 PḡP°C†C-C”PSC,Pë P· PḡP°Pḡ
C,P° 41 PḡP°C†C-C”PSC, P· C...CḡPsPSC-C†PSPsCḡ C...PIPsCḡPsP±PsCḡ PḡPḡC†C-PSPePë
C-PSCëPsC— PḡC,C-PsP»PsPiC-C—). P— C†PëC... 714 PḡP°C†C-C”PSC,C-PI 642 PjP°P»Pë
P»PḡPiPePḡ PḡPsCḡCḡCëPḡPSPSCḡ C,,CḡPSPëC†C-C— PḡPḡC†C-PSPePë, 67 бḡ” PḡPsPjC-CḡPSPḡ
PḡPsCḡCḡCëPḡPSPSCḡ C,,CḡPSPëC†C-C— PḡPḡC†C-PSPePë C- 2 бḡ” C,CḡPḡPePḡ
PḡPsCḡCḡCëPḡPSPSCḡ C,,CḡPSPëC†C-C— PḡPḡC†C-PSPePë. PḡP°C†C-C”PSC,Pë P· P»PḡPiPePëPj
CḡC,CḡPḡPSPḡPj PḡPḡC†C-PSPePsPIPsC— PSPḡPrPsCḡC,P°C,PSPsCḡC,C- PjP°P»Pë
PḡCḡPëP±P»PëP·PSPs PSP° 111 % (95 % P”P†: PIC-Pr 45 % PrPs 283 %) PIPëC%oC-
PḡPsPeP°P·PSPëPePë AUC PḡP»CHC,CḡPsPjP±PsPḡP°PiCḡ Cḡ PḡP»P°P·PjC- PeCḡPsPIC-, P°
PḡP°C†C-C”PSC,Pë P· PḡPsPjC-CḡPSPëPj CḡC,CḡPḡPSPḡPj PḡPḡC†C-PSPePsPIPsC—
PSPḡPrPsCḡC,P°C,PSPsCḡC,C- PjP°P»Pë PSP° 183 % (95 % P”P†: PIC-Pr 90 % PrPs 459 %)
PIPëC%oC- PḡPsPeP°P·PSPëPePë AUC PḡP»CHC,CḡPsPjP±PsPḡP°PiCḡ Cḡ PḡP»P°P·PjC- PeCḡPsPIC-
PḡPsCḡC-PIPSḡPSPs P· PIC-PrPḡPsPIC-PrPSPëPj PḡPsPeP°P·PSPëPePsPj Cḡ P·PrPsCḡPsPIPëC...
PrPsP±CḡPsPIPsP»CHC†C-PI.

PŸC,P°C,CH. P'PİP»PëPI CÍC,P°C,C- PSP° C,,P°CĤPjP°PePsPeC-PSPµC,PëPeCÍ
PµP»CHC,CHPsPjP±PsPİP°PiCÍ PsC†C-PSCĤPIP°P»Pë P· PIPëPePsCHPëCÍC,P°PSPSCİPj
P°PSP°P»C-P·CÍ PİPsPİCÍP»CİC†C-PNëPSPsC— C,,P°CĤPjP°PePsPeC-PSPµC,PëPePë CÍ
111 P·PrPsCHPsPIPëC... PrPsCHPsCÍP»PëC... (14 P¶C-PSPsPe) C,P° 88 PİP°C†C-C" PSC,C-PI P·
P†PŸPı (57 P¶C-PSPsPe). P—P° PrP°PSPëPjPë P°PSP°P»C-P·CÍ PİPsPİCÍP»CİC†C-PNëPSPsC—
C,,P°CĤPjP°PePsPeC-PSPµC,PëPePë CÍ PİP°C†C-C" PSC,PsPe P· P†PŸPı P·PSP°C†PµPSPSCİ AUC
PµP»CHC,CHPsPjP±PsPİP°PiCÍ PIPëCİPIPëP»PëCÍCİ PİCHPëP±P»PëP·PSPs PSP° 23 %
PIPëC‰PëPjPë, PSC-P¶ CÍ PİP°C†C-C" PSC,C-PI C†PsP»PsPIC-C†PsC— CÍC,P°C,C-, P±PµP·
PePsCHPëPİCÍPIP°PSPSCİ P·P° PjP°CÍPsCH C,C-P»P°.

P'PİP»PëPI CÍC,P°C,C- PSP° C,,P°CĤPjP°PePsPeC-PSPµC,PëPeCÍ PµP»CHC,CHPsPjP±PsPİP°PiCÍ
PsC†C-PSCĤPIP°P»Pë P· PIPëPePsCHPëCÍC,P°PSPSCİPj P°PSP°P»C-P·CÍ
PİPsPİCÍP»CİC†C-PNëPSPsC— C,,P°CĤPjP°PePsPeC-PSPµC,PëPePë CÍ 635 PİP°C†C-C" PSC,C-PI P·
P'P" PŸ (260 P¶C-PSPsPe). P—P° CĤPµP·CÍP»CHC,P°C,P°PjPë PjPsPrPµP»CHPIP°PSPSCİ CÍ
P¶C-PSPsPe P· P'P" PŸ P·PSP°C†PµPSPSCİ AUC PµP»CHC,CHPsPjP±PsPİP°PiCÍ
PIPëCİPIPëP»PëCÍCİ PİCHPëP±P»PëP·PSPs PSP° 41 % PIPëC‰PëPjPë PİPsCHC-PIPSCİPSPs P·
C,P°PePëPjPë CÍ C†PsP»PsPIC-PeC-PI.

P'C-Pe. P'PİP»PëPI PIC-PeCÍ PSP° C,,P°CĤPjP°PePsPeC-PSPµC,PëPeCÍ
PµP»CHC,CHPsPjP±PsPİP°PiCÍ PsC†C-PSCĤPIP°P»Pë P· PIPëPePsCHPëCÍC,P°PSPSCİPj
P°PSP°P»C-P·CÍ PİPsPİCÍP»CİC†C-PNëPSPsC— C,,P°CĤPjP°PePsPeC-PSPµC,PëPePë CÍ
28 P·PrPsCHPsPIPëC... PsCÍC-P±, 673 PİP°C†C-C" PSC,C-PI P· P'P" PŸ C,P° 41 PİP°C†C-C" PSC,P°
P· C...CHPsPSC-C†PSPsCH C...PIPSCĤPsP±PsCH C-PSC€PsC— PµC,C-PsP»PsPiC-C— CÍ PIC-C†C-
PIC-Pr 19 PrPs 74 CHPsPeC-PI. P" P°PSC- C,,P°CĤPjP°PePsPeC-PSPµC,PëPePë
PµP»CHC,CHPsPjP±PsPİP°PiCÍ CÍ PİP°C†C-C" PSC,C-PI PIC-PePsPj PIC-Pr 75 CHPsPeC-PI
PIC-PrCÍCÍC,PSC-. P—P° CĤPµP·CÍP»CHC,P°C,P°PjPë PİPsPİCÍP»CİC†C-PNëPSPsPiPs
C,,P°CĤPjP°PePsPeC-PSPµC,PëC†PSPsPiPs P°PSP°P»C-P·CÍ, CÍ PİP°C†C-C" PSC,C-PI
P»C-C,PSCHPsPiPs PIC-PeCÍ (≥ 65 CHPsPeC-PI) P·PSP°C†PµPSPSCİ AUC
PµP»CHC,CHPsPjP±PsPİP°PiCÍ PI PİP»P°P·PjC- PeCHPsPIC- P±CÍP»Pë PSP° 41 % PIPëC‰Pµ PI
PİPsCHC-PIPSCİPSPSC- P· P±C-P»CHC€ PjPsP»PsPrPëPjPë PİP°C†C-C" PSC,P°PjPë.

P"C-C,Pë (PIC-Pr 1 PrPs 17 CHPsPeC-PI). P—P° PrP°PSPëPjPë PeP»C-PSC-C†PSPëC...
PrPsCÍP»C-PrP¶PµPSCĤ, PIPëPIPµPrPµPSPSCİ PµP»CHC,CHPsPjP±PsPİP°PiCÍ P· PİP»P°P·PjPë
PeCHPsPIC- PİC-CÍP»Cİ PİPµCHPsCHP°P»CHPSPsPiPs PİCHPëPNëPsPjCÍ
P·P±C-P»CHC€CÍC"C,CHCÍCİ P·C- P·P±C-P»CHC€PµPSPSCİPj PjP°CÍPë C,C-P»P°. P'PİP»PëPI
CHP°CÍPë C- CÍC,P°C,C- PSP° PİPsPeP°P·PSPëPePë C,,P°CĤPjP°PePsPeC-PSPµC,PëPePë
PµP»CHC,CHPsPjP±PsPİP°PiCÍ CÍ PrC-C,PµPNë C- PrPsCHPsCÍP»PëC... PİP°C†C-C" PSC,C-PI
PsPrPSP°PePsPIPëPNë. P—PSP°C†PµPSPSCİ AUC PµP»CHC,CHPsPjP±PsPİP°PiCÍ CÍ
PİP°C†C-C" PSC,C-PI CÍC...C-PrPSPs/PİC-PIPrPµPSPSPs-CÍC...C-PrPSPs-P°P·C-PNëCÍCHPePsPiPs
PİPsC...PsPrP¶PµPSPSCİ P±CÍP»Pë PİCHPëP±P»PëP·PSPs PSP° 43 % PIPëC‰Pµ
PİPsCHC-PIPSCİPSPs P· PİP°C†C-C" PSC,P°PjPë C-PSC€PëC... CHP°CÍ. P—PSP°C†PµPSPSCİ AUC
PµP»CHC,CHPsPjP±PsPİP°PiCÍ CÍ PİP°C†C-C" PSC,PsPe P· P†PŸPı P±CÍP»Pë
PİCHPëP±P»PëP·PSPs PSP° 25 % PIPëC‰Pµ PİPsCHC-PIPSCİPSPs PİP°C†C-C" PSC,P°PjPë
C†PsP»PsPIC-C†PsC— CÍC,P°C,C-.

PµP°CĤP°PjPµC,CHPë C,,P°CĤPjP°PePsPeC-PSPµC,PëPePë PµP»CHC,CHPsPjP±PsPİP°PiCÍ CÍ
PrC-C,PµPNë P· P†PŸPı PSP°PIPµPrPµPSPs CÍ C,P°P±P»PëC†C- 2.

PŸP°P±P»PëC†Cİ 2

PŸPµCHPµPrPSC- P·PSP°C†PµPSPSCİ PİP»P°P·PjPsPIPëC... PİP°CĤP°PjPµC,CHC-PI
C,,P°CĤPjP°PePsPeC-PSPµC,PëPePë PµP»CHC,CHPsPjP±PsPİP°PiCÍ PI

СҒС-PIPSsPIP°P¶PSPsPjCf CҒC,P°PSC- PrC-C,PµPNё P· P†PŷPµ (50 PjPi 1 CҒP°P· PSP° PrPµPSCҒ).

P'C-Pe	C _{max} (PjPePi/PjP»)	AUC _(0-8h^{-t}) (PjPePi×PiPsPr/PjP»)
12вҒ"17 CҒPsPeC-PI (n = 62)	6,80 (6,17; 7,50)	103 (91,1; 116)
6вҒ"11 CҒPsPeC-PI (n = 68)	10,3 (9,42; 11,2)	153 (137; 170)
1вҒ"5 CҒPsPeC-PI (n = 38)	11,6 (10,4; 12,9)	162 (139; 187)

РЉР»C-PSC-C†PSC- C...P°CҒP°PeC,PµCҒPёCҒC,PёPePё.

PµPsPeP°P·P°PSPSCII.

P>C-PeCfPIP°PSPSCII PrPsCҒPsCҒP»PёC... PiP°C†C-C"PSC,C-PI C-P· C...CҒPsPSC-C†PSPsCҒ C-PjCfPSPSPsCҒ (C-PrC-PsPiP°C,PёC†PSPsCҒ) C,CҒPsPjP±PsC†PёC,PsPiPµPSC-C†PSPsCҒ PiCfCҒPiCfCҒPsCҒ, CIIPeC- PSPµ PiC-PrPrP°CҒC,CHCҒCII P»C-PeCfPIP°PSPSCҒ C-PSCёPёPjPё P»C-PeP°CҒCҒCHPePёPjPё P·P°CҒPsP±P°PjPё (PSP°PiCҒPёPeP»P°Pr, PePsCҒC,PёPePsCҒC,PµCҒPsC—PrP°PjPё, C-PjCfPSPsPiP»PsP±CfP»C-PSP°PjPё).

P>C-PeCfPIP°PSPSCII PrC-C,PµPNё PIC-PePsPj PIC-Pr PsPrPSPsPiPs CҒPsPeCf C-P· C...CҒPsPSC-C†PSPsCҒ C-PjCfPSPSPsCҒ (C-PrC-PsPiP°C,PёC†PSPsCҒ) C,CҒPsPjP±PsC†PёC,PsPiPµPSC-C†PSPsCҒ PiCfCҒPiCfCҒPsCҒ C-P· C,CҒPёPIP°P»C-CҒC,CH P·P°C...PIPsCҒCҒPIP°PSPSCII 6 PjC-CҒCII†C-PI P°P±Ps PrPsPICёPµ P· PjPsPjPµPSC,Cf PICҒC,P°PSPsPIP»PµPSPSCII PrC-P°PiPSPsP·Cf, CIIPeC- PSPµ PiC-PrPrP°CҒC,CHCҒCII P»C-PeCfPIP°PSPSCҒ C-PSCёPёPjPё P»C-PeP°CҒCҒCHPePёPjPё P·P°CҒPsP±P°PjPё (PSP°PiCҒPёPeP»P°Pr PePsCҒC,PёPePsCҒC,PµCҒPsC—PrP°PjPё, C-PjCfPSPsPiP»PsP±CfP»C-PSP°PjPё).

P>C-PeCfPIP°PSPSCII C,CҒPsPjP±PsC†PёC,PsPiPµPSC-C— Cf PrPsCҒPsCҒP»PёC... PiP°C†C-C"PSC,C-PI C-P· C...CҒPsPSC-C†PSPёPj PIC-CҒCfCҒPSPёPj PiPµPiP°C,PёC,PsPj Pŷ, CIIPeC%Ps CҒC,CfPiC-PSCҒ C,CҒPsPjP±PsC†PёC,PsPiPµPSC-C— C" PiPsP»PsPIPSPёPj C†PёPSPSPёPePsPj, C%Ps P·P°PIP°P¶P°C" CҒPsP·PiPsC†P°C,Pё P°P±Ps PsP±PjPµP¶CҒC" PjPsP¶P»PёPIC-CҒC,CH PiCҒPsPrPsPIP¶CҒPIP°C,Pё PsPiC,PёPjP°P»CHPSCf C,PµCҒP°PiC-CH PSP° PsCҒPSPsPIC- C-PSC,PµCҒC,,PµCҒPsPSCf.

P>C-PeCfPIP°PSPSCII PrPsCҒPsCҒP»PёC... PiP°C†C-C"PSC,C-PI P· PSP°P±CfC,PsCҒ P°PiP»P°CҒC,PёC†PSPsCҒ P°PSPµPjC-C"CH C,CII¶PePsPiPs CҒC,CfPiPµPSCII (PŷPҒPҒ), CIIPeC- PSPµ PiC-PrPrP°PIP°P»PёCҒCII PiPsPiPµCҒPµPrPSC-PNё C-PjCfPSPsCҒCfPiCҒPµCҒPёPIPSC-PNё C,PµCҒP°PiC-C— P°P±Ps PIP°P¶PePs PiC-PrPrP°PIP°P»PёCҒCII PiPsPiPµCҒPµPrPSCҒPsPjCf P»C-PeCfPIP°PSPSCҒ C,P° PSPµ PiC-PrC...PsPrCII,CH PrP»CII C,CҒP°PSCҒPiP»P°PSC,P°C†C-C— PiPµPjPsPiPsPµC,PёC†PSPёC... CҒC,PsPIP±CfCҒPsPIPёC... PeP»C-C,PёPS.

PµCҒPsC,PёPiPsPeP°P·P°PSPSCII.

P"C-PiPµCҒC†CfC,P»PёPIC-CҒC,CH PrPs PµP»CHC,CҒPsPjP±PsPiP°PiCf P°P±Ps P±CfPrCH- CIIPePsPiPs C-PSCёPsPiPs PePsPjPiPsPSPµPSC,P° P»C-PeP°CҒCҒCHPePsPiPs P·P°CҒPsP±Cf.

P'P·P°C''PjPsPrC-Cl P· C-PSC€PëPjPë P»C-PeP°CĤCÍCHPePëPjPë P·P°CÍPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C''PjPsPrC-PN.

P'PiP»PëPI PμP»CHC,CĤPsPjP±PsPiP°PiCž PSP° C-PSC€C- P»C-PeP°CĤCÍCHPeC- P·P°CÍPsP±Pë.

P†PSPiC-P±C-C,PSCĤPë P''PħP''-PħPsPĥ-CĤPμPrCžPeC,P°P·Pë (PiC-PrCĤPsPeCÍPëPjPμC,PëP»PiP»CĤC,P°CĤPëP»-PePsPμPSP·PëPj-Pĥ-CĤPμPrCžPeC,P°P·Pë). P''PsCÍP»C-PrP¶PμPSPSCĬ in vitro PiCĤPsPrPμPjPsPSCÍC,CĤCÍPIP°P»Ps, C%Ps PμP»CHC,CĤPsPjP±PsPiP°Pi PSPμ C'' CÍCÍP±CÍC,CĤP°C,PsPj PrP»Cl C,CĤP°PSCÍPiPsCĤC,PSPëC... PiPsP»C-PiPμPiC,PëPrC-PI PsCĤPiP°PSC-C†PSPëC... P°PSC-PsPSC-PI (OATP1B1 бĤ'' organic anion transporter polypeptide), P°P»Pμ C'' C-PSPiC-P±C-C,PSCĤPsPj C†PëC... C,CĤP°PSCÍPiPsCĤC,PμCĤC-PI. P''PsCÍP»C-PrP¶PμPSPSCĬ in vitro C,P°PePsP¶ PiCĤPsPrPμPjPsPSCÍC,CĤCÍPIP°P»Ps, C%Ps PμP»CHC,CĤPsPjP±PsPiP°Pi C'' CÍCÍP±CÍC,CĤP°C,PsPj C,P° C-PSPiC-P±C-C,PSCĤPsPj BCRP. P—P°CÍC,PsCÍCÍPIP°PSPSCĬ PμP»CHC,CĤPsPjP±PsPiP°PiCÍ 75 PjPi PsPrPëPS CĤP°P· PSP° PrPsP±CÍ PiCĤPsC,ClPiPsPj 5 PrPSC-PI P· CĤP°P·PsPiPsCĤ PrPsP·PsCĤ 10 PjPi CÍCÍP±CÍC,CĤP°C,CÍ OATP1B1 C- BCRP CĤPsP·CÍPIP°CÍC,P°C,PëPSCÍ CÍ 39 P·PrPsCĤPsPiPëC... PrPsCĤPsCÍP»PëC... PrPsP±CĤPsPiPsP»CHC†C-PI PiCĤPëP·PiPμP»Ps PrPs P·P±C-P»CHC€PμPSPSCĬ C_{max} CĤPsP·CÍPIP°CÍC,P°C,PëPSCÍ PiP»P°P·PjPë PSP° 103 % (90 % PrPsPIC-CĤC†PëPN C-PSC,PμCĤPIP°P» [P''P†]: 82 %, 126 %) C- AUC_{0-∞} PSP° 55 % (90 % P''P†: 42 %, 69 %). PŷP°PePsP¶ CÍP»C-Pr PsC†C-PeCÍPIP°C,Pë PIP·P°C''PjPsPrC-C— P· C-PSC€PëPjPë C-PSPiC-P±C-C,PSCĤP°PjPë P''PħP''-PħPsPĥ-CĤPμPrCÍPeC,P°P·Pë, CÍ C,PsPjCÍ C†PëCÍP»C-P°C,PsCĤPIP°CÍC,P°C,PëPSPsPj, C,,P»CÍPIP°CÍC,P°C,PëPSPsPj, P»PsPiP°CÍC,P°C,PëPSPsPj, PiCĤP°PiP°CÍC,P°C,PëPSPsPj C- CÍPëPjPIP°CÍC,P°C,PëPSPsPj. PμCĤPë CÍCÍPjC-CÍPSPsPjCÍ P·P°CÍC,PsCÍCÍPIP°PSPSC- P· PμP»CHC,CĤPsPjP±PsPiP°PiPsPj CÍP»C-Pr P·PjPμPSC€CÍPIP°C,Pë PrPsP·Pë CÍC,P°C,PëPSC-PI C,P° CĤPμC,PμP»CHPSPs PePsPSC,CĤPsP»CĤPIP°C,Pë PiPsP±C-C†PSC- CĤPμP°PeC†C-C—, CÍPiCĤPëC†PëPSPμPSC- CÍC,P°C,PëPSP°PjPë.

PŸCžP±CÍC,CĤP°C,Pë OATP1B1 C,P° BCRP.

P—P°CÍC,PsCÍPsPICÍPIP°C,Pë PμP»CHC,CĤPsPjP±PsPiP°Pi CĤP°P·PsPj P· C-PSC€PëPjPë CÍCÍP±CÍC,CĤP°C,P°PjPë OATP1B1 (PSP°PiCĤPëPeP»P°Pr P· PjPμC,PsC,CĤPμPeCÍP°C,PsPj) C,P° BCRP (PSP°PiCĤPëPeP»P°Pr P· C,PsPiPsC,PμPeP°PSPsPj C,P° PjPμC,PsC,CĤPμPeCÍP°C,PsPj) CÍP»C-Pr P· PsP±PμCĤPμP¶PSC-CÍC,CĤ. PŸCžP±CÍC,CĤP°C,Pë C†PëC,PsC...CĤPsPjCž P 450.

P''PsCÍP»C-PrP¶PμPSPSCĬ P· PIPëPePsCĤPëCÍC,P°PSPSCĬPj PiPμC†C-PSPePsPiPëC... PjC-PeCĤPsCÍPsPj P»CĤPrPëPSPë PiPsPeP°P·P°P»Pë, C%Ps PμP»CHC,CĤPsPjP±PsPiP°Pi (CÍ PrPsP·C- PrPs 100 BμPħ) in vitro PSPμ PiP°P»CHPjCÍC'' CYP450 PμPSP·PëPjPë 1Pĥ2, 2Pĥ6, 2C19, 2D6, 2E1, 4A4/5 C,P° 4A9/11 C- PiP°P»CHPjCÍC'' CYP2C8 C,P° CYP2C9, ClPeC%Ps PiCĤPë PIPëPjC-CĤCĤPIP°PSPSC- PIPëPePsCĤPëCÍC,PsPICÍPIP°C,Pë PiP°PeP»C-C,P°PeCÍPμP» C,P° PrPëPeP»PsC,,PμPSP°Pe ClPe C,PμCÍC,PsPIC- CÍCÍP±CÍC,CĤP°C,Pë. P—P°CÍC,PsCÍCÍPIP°PSPSCĬ 75 PjPi PμP»CHC,CĤPsPjP±PsPiP°PiCÍ 24 P·PrPsCĤPsPiPëPj C†PsP»PsPIC-PeP°Pj-PrPsP±CĤPsPiPsP»CHC†ClPj PSPμ PiP°P»CHPjCÍPIP°P»Ps P°P±Ps C-PSPrCÍPeCÍPIP°P»Ps PjPμC,P°P±PsP»C-P·Pj C,PμCÍC,PsPiPëC... CÍCÍP±CÍC,CĤP°C,C-PI PrP»Cl 1Pĥ2 (PePsC,,PμC—PSCÍ), 2PŸ19 (PsPjPμPiCĤP°P·PsP»CÍ), 2PŸ9 (C,,P»CÍCĤP±C-PiCĤPsC,,PμPSCÍ) P°P±Ps 3Pĥ4 (PjC-PrP°P·PsP»P°PjCÍ). PμCĤPë CÍCÍPjC-CÍPSPsPjCÍ P·P°CÍC,PsCÍCÍPIP°PSPSC- PμP»CHC,CĤPsPjP±PsPiP°PiCÍ C- CÍCÍP±CÍC,CĤP°C,C-PI PŸYP450 PeP»C-PSC-C†PSPs P·PSP°C†CÍC%PsC— PIP·P°C''PjPsPrC-C— PSPμ PsC†C-PeCÍC''C,CHCÍCl.

P†PSPiC-P±C-C,PSCĤPë PiCĤPsC,PμP°P·Pë P'P''PŸ.

РлPsCҗPөPiCрPIP°PSPSCҗ PrPsP·Pө PSPµ PiPsC, CҗC-P±PSPµ, CҗPeC%Ps
PµP»CHC, CҗPsPjP±PsPiP°Pi P·P°CҗC, PsCҗPsPICрCҗC, CH CҗCрPjC-CҗPSPs P·
C, PµP»P°PiCҗPµPIC-CҗPsPj P°P±Ps P±PsCҗPµPiCҗPµPIC-CҗPsPj. PҗCрPjC-CҗPSPµ
P·P°CҗC, PsCҗCрPIP°PSPSCҗ CҗP°P·PsPIPsC— PrPsP·Pө PµP»CHC, CҗPsPjP±PsPiP°PiCр 200 PjPi
P· 750 PjPi C, PµP»P°PiCҗPµPIC-CҗCр PePsPҗPSC- 8 PiPsPrPөPS PSPµ P·PjC-PSCҗC”
PePsPSCҗPµPSC, CҗP°CҗC-C— C, PµP»P°PiCҗPµPIC-CҗCр PI PiP»P°P·PjC-.

PҗCрPjC-CҗPSPµ PiCҗPөP·PSP°CҗPµPSPSCҗ CҗP°P·PsPIPsC— PrPsP·Pө
PµP»CHC, CҗPsPjP±PsPiP°PiCр 200 PjPi P· 800 PjPi P±PsCҗPµPiCҗPµPIC-CҗCр PePsPҗPSC-
8 PiPsPrPөPS PSPµ P·PjC-PSCҗC” AUC_(0.5җ“t) P°P»Pµ P·P±C-P»CHC€CрC” C_{max} PSP° 20 % C-
P·PSPөPҗCрC” C_{min} PSP° 32 %. РлP»C-PSC-CҗPSCр P·PSP°CҗCрC%C-CҗC, CH
P·PSPөPҗPµPSPSCҗ C_{min} PSPµ P±CрP»Ps PICҗC, P°PSPsPIP»PµPSPs,
CҗPµPePsPjPµPSPрCрC”C, CHCҗCҗ CҗPµC, PµP»CHPSPөPNө PeP»C-PSC-CҗPSPөPNө C-
P»P°P±PsCҗP°C, PsCҗPSPөPNө PePsPSC, CҗPsP»CH CҗCрPiCҗPµCҗC-C— P’P”Pҗ.

P’PiP»PөPI C-PSC€PөC... P»C-PeP°CҗCҗCHPePөC... P·P°CҗPsP±C-PI PSP°
PµP»CHC, CҗPsPjP±PsPiP°Pi.

PҗPөPeP»PsCҗPiPsCҗPөPS.

P”PsCҗP»C-PrPҗPµPSPSCҗ *in vitro* PiPsPeP°P·P°P»Pө, C%Ps PµP»CHC, CҗPsPjP±PsPiP°Pi C”
CҗCрP±CҗC, CҗP°C, PsPj C, P° C-PSPiC-P±C-C, PsCҗPsPj P±C-P»PeP°
CҗPµP·PөCҗC, PµPSC, PSPsCҗC, C- CҗP°PeCр PjPsP»PsCҗPSPsC— P·P°P»PsP·Pө.
P—PSPөPҗPµPSPSCҗ PIPiP»PөPICр PµP»CHC, CҗPsPjP±PsPiP°PiCр
CҗPiPsCҗC, PµCҗC-PiP°P»PsCҗCҗ PiCҗPө CҗCрPjC-CҗPSPsPjCр P·P°CҗC, PsCҗCрPIP°PSPSC-
200 PjPi C, P° 600 PjPi CҗPөPeP»PsCҗPiPsCҗPөPSCр (C-PSPiC-P±C-C, PsCҗCр BCRP).
PhPrPSPsCҗP°CҗPSPµ P·P°CҗC, PsCҗCрPIP°PSPSCҗ 200 PjPi CҗPөPeP»PsCҗPiPsCҗPөPSCр
P·PjPµPSC€CрPIP°P»Ps C_{max} C, P° AUC_{0.5җ“җ} PµP»CHC, CҗPsPjP±PsPiP°PiCр PSP° 25 % C, P° 18 %
PIC-PrPiPsPIC-PrPSPs. PhPrPSPsCҗP°CҗPSPµ P·P°CҗC, PsCҗCрPIP°PSPSCҗ 600 PjPi
CҗPөPeP»PsCҗPiPsCҗPөPSCр P·PjPµPSC€CрPIP°P»Ps C_{max} C, P° AUC_{0.5җ“җ}
PµP»CHC, CҗPsPjP±PsPiP°PiCр PSP° 39 % C, P° 24 % PIC-PrPiPsPIC-PrPSPs.
РлPsCҗPөPiCрPIP°PSPSCҗ PrPsP·Pө PµP»CHC, CҗPsPjP±PsPiP°PiCр PiC-Pr CҗP°Cҗ
P»C-PeCрPIP°PSPSCҗ P·PrC-PNөCҗPSCҗC”C, CHCҗCҗ PSP° PiC-PrCҗC, P°PIC-
PeC-P»CHPePsCҗC, C- C, CҗPsPjP±PsCҗPөC, C-PI PiP°CҗC-C”PSC, P°.
РлC-P»CHPeC-CҗC, CH C, CҗPsPjP±PsCҗPөC, C-PI CҗP»C-Pr
PePsPSC, CҗPsP»CHPIP°C, Pө PiCҗPөPSP°PNөPjPSC- CҗP°P· PSP° C, PөPҗPrPµPSCҗ
PiCҗPsC, CҗPiPsPj 2Bҗ“3 C, PөPҗPSC-PI PiC-CҗP»Cҗ PiCҗPөP·PSP°CҗPµPSPSCҗ
CҗCрPjC-CҗPSPsPiPs P·P°CҗC, PsCҗCрPIP°PSPSCҗ PµP»CHC, CҗPsPjP±PsPiP°PiCр P·
CҗPөPeP»PsCҗPiPsCҗPөPSPsPj. PhPsPҗPµ PiPsC, CҗPµP±CрPIP°C, PөCҗCҗ
P·P±C-P»CHC€PµPSPSCҗ PrPsP·Pө PµP»CHC, CҗPsPjP±PsPiP°PiCр
PIC-PrPiPsPIC-PrPSPs PrPs PeC-P»CHPePsCҗC, C- C, CҗPsPjP±PsCҗPөC, C-PI.
PµPsP»C-PIP°P»PµPSC, PSC- PeP°C, C-PsPSPө (C...PµP»P°C, PSPµ CҗPiPsP»CҗCҗPµPSPSCҗ).

P·P»CHC, CҗPsPjP±PsPiP°Pi PICҗC, CрPiP°C” Cр C...PµP»P°C, PSPµ CҗPiPsP»CҗCҗPµPSPSCҗ P·
PiPsP»C-PIP°P»PµPSC, PSPөPjPө PeP°C, C-PsPSP°PjPө, C, P°PePөPjPө CҗPe P°P»CHPjC-PSC-PNө,
PeP°P»CHCҗC-PNө, P·P°P»C-P·Ps, PjP°PiPSC-PNө, CҗPµP»PµPS C, P° CҗPөPSPө.
PµCҗPөP·PSP°CҗPµPSPSCҗ PµP»CHC, CҗPsPjP±PsPiP°PiCр CҗP°P·PsPIPsCҗ PrPsP·PsCҗ 75 PjPi
P· PiPsP»C-PIP°P»PµPSC, PSPөPj P°PSC, P°CҗPөPrPsPj, C%Ps PjC-CҗC, PөC, CH PeP°C, C-PsPSPө
(1524 PjPi PiC-PrCҗPsPeCҗPөPrCр P°P»CHPjC-PSC-Cҗ C- 1425 PjPi PeP°CҗP±PsPSP°C, Cр
PjP°PiPSC-Cҗ), P·PjPµPSC€PөP»Ps AUC_{0.5җ“җ} PµP»CHC, CҗPsPjP±PsPiP°PiCр PI PiP»P°P·PjC-

PeC₇PsPIC- PSP° 70 % C- C_{max} PSP° 70 %. P_hPSC, P°C†PëPrPë, PjPsP»PsC†PSC- P_iC₇PsPrC_rPeC, Pë C, P° C- PSC€C- C₇P_μC†PsPIPëPSPë, C%₀Ps PjC- C₇C, C₇C, C₇ P_iPsP»C- PIP°P»P_μPSC, PSC- PeP°C, C- PsPSPë, C, P°PeC- C₇Pe PjC- PSP_μC₇P°P»C₇PSC- PrPsP±P°PIPePë, C₇P»C- Pr P_iC₇PëPNëPjP°C, Pë C%₀PsPSP°PNëPjP_μPSC€P_μ P·P° 2 P_iPsPrPëPSPë PrPs P°P±Ps C†P_μC₇P_μ· 4 P_iPsPrPëPSPë P_iC- C₇P»C₇ P·P°C₇C, PsC₇C_rPIP°PSPSC₇ P_μP»C₇C, C₇PsPjP±PsP_iP°P_iC_r, C%₀PsP± P·P°P_iPsP±C- P_iC, Pë P·PSP°C†PSPsPjC_r P·PjP_μPSC€P_μPSPSC₇ P°P±C₇PsC₇P±C†C- C- P_μP»C₇C, C₇PsPjP±PsP_iP°P_iC_r P·P° C₇P°C...C_rPSPsPe C...P_μP»P°C, PSPsP_iPs C₇P_iPsP»C_rC†P_μPSPSC₇.

P·P·P°C°PjPsPrC-C₇ P· C-P₇P_μC₇.

P- P°C₇C, PsC₇C_rPIP°PSPSC₇ P_μP»C₇C, C₇PsPjP±PsP_iP°P_iC_r C_r C, „PsC₇PjC- C, P°P±P»P_μC, PsPe C₇P°P·PsPj P· C-P₇P_μC₇ P· PIPëC₇PsPePëPj PIPjC- C₇C, PsPj PeP°P»C₇C†C- C₇ (PSP°P_iC₇PëPeP»P°Pr, C-P₇P_μC₇, C%₀Ps PIPeP»C₇C†P°C° PjPsP»PsC†PSC- P_iC₇PsPrC_rPeC, Pë) P·PSP°C†PSPs P·PjP_μPSC€PëP»Ps AUC_{0.5-1} C, P° P₇_{max}. P† PSP°PIP°PëPë, P·P°C₇C, PsC₇C_rPIP°PSPSC₇ P_μP»C₇C, C₇PsPjP±PsP_iP°P_iC_r P·P° 2 P_iPsPrPëPSPë PrPs P°P±Ps 4 P_iPsPrPëPSPë P_iC- C₇P»C₇ C-P₇C- P· PIPëC₇PsPePëPj C†Pë PSPëP·C₇PePëPj PIPjC- C₇C, PsPj PeP°P»C₇C†C- C₇ (< 50 PjPi PeP°P»C₇C†C- C₇) PSP_μ P·PjC- PSPëP»Ps P_μPeC₇P_iPsP·PëC†C- C₇ P_μP»C₇C, C₇PsPjP±PsP_iP°P_iC_r P_i P_iP»P°P·PjC- PrPs PeP»C- PSC- C†PSPs P·PSP°C†C₇C%₀PsP_iPs C₇C, C_rP_iP_μPSC₇.

P_μC₇PëPNëPsPj PsPrPSPsC₇P°P·PsPIP_sC- PrPsP·Pë P_μP»C₇C, C₇PsPjP±PsP_iP°P_iC_r 50 PjPi C_r C, „PsC₇PjC- C, P°P±P»P_μC, PePë C₇P°P·PsPj P·C- C₇C, P°PSPrP°C₇C, PSPëPj PIPëC₇PsPePsPeP°P»PsC₇C- PNëPSPëPj C₇PSC- PrP°PSPePsPj P· PIPëC₇PsPePëPj PIPjC- C₇C, PsPj P₇PëC₇C- P_i, PIPeP»C₇C†P°C₇C†Pë PjPsP»PsC†PSC- P_iC₇PsPrC_rPeC, Pë, P·PjP_μPSC€C_rC° P_iP»P°P·PjPsPIPëPNë AUC P_μP»C₇C, C₇PsPjP±PsP_iP°P_iC_r PSP° 59 %, P° C_{max}... B₇° PSP° 65 %.

P_μC₇PëPNëPsPj PsPrPSPsC₇P°P·PsPIP_sC- PrPsP·Pë P_μP»C₇C, C₇PsPjP±PsP_iP°P_iC_r 25 PjPi C_r C, „PsC₇PjC- P_iPsC₇PsC€PeC_r PrP»C₇ P_iC₇PëPiPsC, C_rPIP°PSPSC₇ C₇C_rC₇P_iP_μPSP·C- C- PrP»C₇ P_iP_μC₇PsC₇P°P»C₇PSPsP_iPs P·P°C₇C, PsC₇C_rPIP°PSPSC₇ C₇P°P·PsPj P· C₇P_μC₇P_μPrPSC₇PsPeP°P»PsC₇C- PNëPSPsC₇ C-P₇P_μC₇ P· PIPëC₇PsPePëPj PIPjC- C₇C, PsPj PeP°P»C₇C†C- C₇, C₇P_μC₇P_μPrPSC- Pj PIPjC- C₇C, PsPj P₇PëC₇C- P_i P·PjP_μPSC€C_rPIP°P_i P_iP»P°P·PjPsPIPëPNë C₇P_μC₇P_μPrPSC- PNë AUC_{0.5-1} P_μP»C₇C, C₇PsPjP±PsP_iP°P_iC_r PSP° 75 % C, P° C₇P_μC₇P_μPrPSC- PNë C_{max} PSP° 79 %. P₇P°PeP_μ P·PjP_μPSC€P_μPSPSC₇ P_μPeC₇P_iPsP·PëC†C- C- P_iPsC₇P»P°P±P»C₇PIP°P»PsC₇C₇ P_iC₇Pë P·P°C₇C, PsC₇C_rPIP°PSPSC- C₇P°P·PsPIP_sC- PrPsP·Pë 25 PjPi P_μP»C₇C, C₇PsPjP±PsP_iP°P_iC_r C_r C, „PsC₇PjC- P_iPsC₇PsC€PeC_r PrP»C₇ P_iC₇PëPiPsC, C_rPIP°PSPSC₇ C₇C_rC₇P_iP_μPSP·C- C- PrP»C₇ P_iP_μC₇PsC₇P°P»C₇PSPsP_iPs P·P°C₇C, PsC₇C_rPIP°PSPSC₇ P·P° 2 P_iPsPrPëPSPë PrPs P_iC₇PëPNëPsPjC_r C-P₇C- P· PIPëC₇PsPePëPj PIPjC- C₇C, PsPj PeP°P»C₇C†C- C₇ (C₇P_μC₇P_μPrPSC° P·PSP°C†P_μPSPSC₇ AUC_{0.5-1} P·PjP_μPSC€PëP»PsC₇C₇ PSP° 20 %, P° C₇P_μC₇P_μPrPSC° P·PSP°C†P_μPSPSC₇ C_{max} B₇° PSP° 14 %).

P_μC₇PsPrC_rPeC, Pë C...P°C₇C†C_rPIP°PSPSC₇ P· PSPëP·C₇PePëPj PIPjC- C₇C, PsPj PeP°P»C₇C†C- C₇ (< 50 PjPi PeP°P»C₇C†C- C₇), C_r C, PsPjC_r C†PëC₇P»C- C, „C₇C_rPeC, Pë, PSP_μP₇PëC₇PSP° C€PëPSPeP°, C₇PeP»PsPIPëC†PëPSP° C- PSP_μP·P±P°P_iP°C†P_μPSPëPNë (P±P_μP· PrPsPrP°PIP°PSPSC₇ PeP°P»C₇C†C- C₇, PjP°P_iPSC- C₇ P°P±Ps P·P°P»C- P·P°) C, „C₇C_rPeC, PsPIPëPNë C₇C- Pe, PSP_μP·P±P°P_iP°C†P_μPSP_μ C₇PsC°PIP_μ PjPsP»PsPePs C- PSP_μP·P±P°P_iP°C†P_μPSC- PeC₇C_rP_iPë C₇C_rC, C, C°PIP_s PSP_μ PIP_iP»PëPIP°P»Pë PSP° P_μPeC₇P_iPsP·PëC†C- C₇ P_μP»C₇C, C₇PsPjP±PsP_iP°P_iC_r P_i P_iP»P°P·PjC-, PSP_μP·P°P»P_μP₇PSPs PIC- Pr PeP°P»PsC₇C- PNëPSPsC₇C, C- C- PIPjC- C₇C, C_r P₇PëC₇C- P_i. P>PsP_iC- PSP°PIC- C₇/C₇PëC, PsPSP°PIC- C₇.

$P\check{Y}CfPjC-CfPSP_{\mu} P\cdot P^{\circ}CfC,PsCfCfPIP^{\circ}PSPSC_{\mu} P_{\mu}P\gg CHC,CHPsPjP\pm PsP\ddot{I}P^{\circ}PiCf C-P\cdot$
 $P\gg PsPiC-PSP^{\circ}PIC-CHPsPj/CHP\ddot{e}C,PsPSP^{\circ}PIC-CHPsPj (P\gg P_{\mu}P'/P P\check{Y}P') PjPsP\uparrow P_{\mu}$
 $P\cdot PjP_{\mu}PSC\epsilon CfPIP^{\circ}C,P\ddot{e} PePsPSC\uparrow P_{\mu}PSC,CHP^{\circ}C\uparrow C-CH P_{\mu}P\gg CHC,CHPsPjP\pm PsP\ddot{I}P^{\circ}PiCf.$
 $P''PsCfP\gg C-PrP\uparrow P_{\mu}PSPSC_{\mu}, P\ddot{i}CHPsPIP_{\mu}PrP_{\mu}PSP_{\mu} P\cdot P^{\circ} CfC\ddagger P^{\circ}CfC,CH 40 P\cdot PrPsCHPsPIP\ddot{e}C...$
 $PrPsP\pm CHPsPIPsP\gg CHC\uparrow C-PI, P\ddot{i}PsPeP^{\circ}P\cdot P^{\circ}P\gg Ps, C\%Ps CfCfPjC-CfPSP_{\mu}$
 $P\ddot{i}CHP\ddot{e}P\cdot PSP^{\circ}C\ddagger P_{\mu}PSPSC_{\mu} C''PrP\ddot{e}PSPsC- PrPsP\cdot P\ddot{e} P_{\mu}P\gg CHC,CHPsPjP\pm PsP\ddot{I}P^{\circ}PiCf 100 PjPi P\cdot$
 $P\gg P_{\mu}P'/P P\check{Y}P' 400/100 PjPi PrPIC-C\ddagger C- PSP^{\circ} PrPsP\pm Cf P\ddot{i}CHP\ddot{e}P\cdot PIP_{\mu}P\gg Ps PrPs$
 $P\cdot PSP\ddot{e}P\uparrow P_{\mu}PSPSC_{\mu} AUC_{0-8h}\cdot\% P_{\mu}P\gg CHC,CHPsPjP\pm PsP\ddot{I}P^{\circ}PiCf P\ddot{i}P\gg P^{\circ}P\cdot PjP\ddot{e} PeCHPsPIC- PSP^{\circ}$
 $17\%. P\check{Y}PsPjCf P\cdot P^{\circ}CfC,PsCfPsPICfPIP^{\circ}C,P\ddot{e} P_{\mu}P\gg CHC,CHPsPjP\pm PsP\ddot{I}P^{\circ}Pi CHP^{\circ}P\cdot PsPj P\cdot$
 $P\gg PsPiC-PSP^{\circ}PIC-CHPsPj/CHP\ddot{e}C,PsPSP^{\circ}PIC-CHPsPj CfP\gg C-Pr P\cdot PsP\pm P_{\mu}CHP_{\mu}P\uparrow PSC-CfC,CH.$
 $P''P\gg C_{\mu} P\ddot{i}CHP^{\circ}PIP\ddot{e}P\gg CHPsPsPiPs PIP\ddot{e}P\cdot PSP^{\circ}C\ddagger P_{\mu}PSPSC_{\mu} PrPsP\cdot P\ddot{e}$
 $P_{\mu}P\gg CHC,CHPsPjP\pm PsP\ddot{I}P^{\circ}PiCf PSP_{\mu}PsP\pm C...C-PrPSPs CHP_{\mu}C,P_{\mu}P\gg CHPsPs$
 $P\ddot{i}P_{\mu}CHP_{\mu}PIC-CHC_{\mu}C,P\ddot{e} PeC-P\gg CHPeC-CfC,CH C,CHPsPjP\pm PsC\uparrow P\ddot{e}C,C-PI Cf CHP^{\circ}P\cdot C-$
 $CfCfPiCfC,PSCHPsPiPs P\ddot{i}PsC\ddagger P^{\circ}C,PeCf P^{\circ}P\pm Ps P\ddot{i}CHP\ddot{e}P\ddot{i}P\ddot{e}PSP_{\mu}PSPSC_{\mu} P\gg C-PeCfPIP^{\circ}PSPSC_{\mu}$
 $P\gg PsPiC-PSP^{\circ}PIC-CHPsPj/CHP\ddot{e}C,PsPSP^{\circ}PIC-CHPsPj.$

$P\uparrow PSPiC-P\pm C-C,PsCHP\ddot{e} C,P^{\circ} C-PSPrC\ddagger PeC,PsCHP\ddot{e} CYP1A2 C- CYP2C8.$

$P\cdot P\gg CHC,CHPsPjP\pm PsP\ddot{I}P^{\circ}Pi PjP_{\mu}C,P^{\circ}P\pm PsP\gg C-P\cdot CfC''C,CHCfC_{\mu} PeC-P\gg CHPePsPjP^{\circ}$
 $C\epsilon P\gg C_{\mu}C...P^{\circ}PjP\ddot{e}, PIPeP\gg CHC\ddagger P^{\circ}CHC\ddagger P\ddot{e} CYP1A2, CYP2C8, UGT1A1 C- UGT1A3.$
 $P\gg C-PeP^{\circ}CHCfCHPeC- P\cdot P^{\circ}CfPsP\pm P\ddot{e}, C_{\mu}PeC- PIP\ddot{i}P\gg P\ddot{e}PIP^{\circ}CHC,CH PSP^{\circ}$
 $C-PSPiC-P\pm CfPIP^{\circ}PSPSC_{\mu} P^{\circ}P\pm Ps C-PSPrCfPeC\uparrow C-CH PsPrPSPsPiPs C,,P_{\mu}CHPjP_{\mu}PSC,Cf,$
 $PSP^{\circ}PICCHC_{\mu}Pr C\ddagger P\ddot{e} PjPsP\uparrow CfC,CH PIP\ddot{e}C_{\mu}PIP\gg C_{\mu}C,P\ddot{e} C-CfC,PsC,PSP\ddot{e}P_{\mu} PIP\ddot{i}P\gg P\ddot{e}PI PSP^{\circ}$
 $PePsPSC\uparrow P_{\mu}PSC,CHP^{\circ}C\uparrow C-C- P_{\mu}P\gg CHC,CHPsPjP\pm PsP\ddot{I}P^{\circ}PiCf PI P\ddot{i}P\gg P^{\circ}P\cdot PjC-; C,PsPrC- C_{\mu}Pe$
 $P\gg C-PeP^{\circ}CHCfCHPeC- P\cdot P^{\circ}CfPsP\pm P\ddot{e}, C_{\mu}PeC- PIP\ddot{i}P\gg P\ddot{e}PIP^{\circ}CHC,CH PSP^{\circ}$
 $C-PSPiC-P\pm CfPIP^{\circ}PSPSC_{\mu} P^{\circ}P\pm Ps C-PSPrCfPeC\uparrow C-CH PeC-P\gg CHPePsC... C,,P_{\mu}CHPjP_{\mu}PSC,C-PI,$
 $PjP^{\circ}CHC,CH P\ddot{i}PsC,P_{\mu}PSC\uparrow C-P^{\circ}P\gg PrP\gg C_{\mu} P\cdot P\pm C-P\gg CHC\epsilon P_{\mu}PSPSC_{\mu} (PSP^{\circ}PiCHP\ddot{e}PeP\gg P^{\circ}Pr$
 $C,,P\gg CfPIPsPeCfP^{\circ}PjC-PS) P^{\circ}P\pm Ps P\cdot PjP_{\mu}PSC\epsilon P_{\mu}PSPSC_{\mu} (PSP^{\circ}PiCHP\ddot{e}PeP\gg P^{\circ}Pr$
 $CHP\ddot{e}C,,P^{\circ}PjPiC-C\uparrow P\ddot{e}PS) PePsPSC\uparrow P_{\mu}PSC,CHP^{\circ}C\uparrow C-P_{\mu}P\gg CHC,CHPsPjP\pm PsP\ddot{I}P^{\circ}PiCf.$

$P\uparrow PSPiC-P\pm C-C,PsCHP\ddot{e} P\ddot{i}CHPsC,P_{\mu}P^{\circ}P\cdot P\ddot{e} P'P''P\check{Y}.$

$P P_{\mu}P\cdot CfP\gg CHC,P^{\circ}C,P\ddot{e} PrPsCfP\gg C-PrP\uparrow P_{\mu}PSPSC_{\mu} PIP\cdot P^{\circ}C''PjPsPrC-C-$
 $C,,P^{\circ}CHPjP^{\circ}PePsPeC-PSP_{\mu}C,P\ddot{e}PeP\ddot{e} P\gg C-PeP^{\circ}CHCfCHPeP\ddot{e}C... P\cdot P^{\circ}CfPsP\pm C-PI$
 $P\ddot{i}PsPeP^{\circ}P\cdot CfCHC,CH, C\%Ps CfCfPjC-CfPSP_{\mu} PIPIP_{\mu}PrP_{\mu}PSPSC_{\mu} P\cdot PsPrPSC-C''CH PrPsP\cdot PsCH$
 $P_{\mu}P\gg CHC,CHPsPjP\pm PsP\ddot{I}P^{\circ}PiCf 200 PjPi P\ddot{i}PsPIC,PsCHPsP\ddot{e}C... PrPsP\cdot P\pm PsC\uparrow P_{\mu}P\ddot{i}CHP_{\mu}PIC-CHCf$
 $800 PjPi PePsP\uparrow PSC- 8 P\ddot{i}PsPrP\ddot{e}PS P^{\circ}P\pm Ps C,P_{\mu}P\gg P^{\circ}PiCHP_{\mu}PIC-CHCf 750 PjPi PePsP\uparrow PSC- 8$
 $P\ddot{i}PsPrP\ddot{e}PS PSP_{\mu} P\cdot PjC-PSCHC'' PePsPSC\uparrow P_{\mu}PSC,CHP^{\circ}C\uparrow C-P_{\mu}P\gg CHC,CHPsPjP\pm PsP\ddot{I}P^{\circ}PiCf PI$
 $P\ddot{i}P\gg P^{\circ}P\cdot PjC- PeP\gg C-PSC-C\ddagger PSPs P\cdot PSP^{\circ}C\ddagger CfC\%PsCH PjC-CHPsCH.$

$P\gg C-PeP^{\circ}CHCfCHPeC- P\cdot P^{\circ}CfPsP\pm P\ddot{e} PrP\gg C_{\mu} P\gg C-PeC\ddagger PIP^{\circ}PSPSC_{\mu} P\uparrow P\check{Y}P_{\mu}.$

$P\gg C-PeP^{\circ}CHCfCHPeC- P\cdot P^{\circ}CfPsP\pm P\ddot{e}, C\%Ps P\cdot P^{\circ}CfC,PsCfPsPICfCHC,CHCfC_{\mu} Cf$
 $P\ddot{i}PsC''PrPSP^{\circ}PSPSC- P\cdot P_{\mu}P\gg CHC,CHPsPjP\pm PsP\ddot{I}P^{\circ}PiPsPj PI PeP\gg C-PSC-C\ddagger PSP\ddot{e}C...$
 $PrPsCfP\gg C-PrP\uparrow P_{\mu}PSPSC_{\mu}C... PrP\gg C_{\mu} P\gg C-PeCfPIP^{\circ}PSPSC_{\mu} P\uparrow P\check{Y}P_{\mu}, PIPeP\gg CHC\ddagger P^{\circ}CHC,CH$
 $PePsCHC,P\ddot{e}PePsCfC,P_{\mu}CHPsC-PrP\ddot{e}, PrP^{\circ}PSP^{\circ}P\cdot PsP\gg C,P^{\circ}/P^{\circ}P\pm Ps P^{\circ}P\cdot P^{\circ}C,C-PsP\ddot{i}CHP\ddot{e}PS,$
 $PIPSCfC,CHC-C\epsilon PSCHPsPIP_{\mu}PSPSP\ddot{e}P_{\mu} C-PjCfPSPsPiP\gg PsP\pm CfP\gg C-PS C,P^{\circ} P^{\circ}PSC,P\ddot{e}-D-$
 $C-PjCfPSPsPiP\gg PsP\pm CfP\gg C-PS. P_{\mu}CHP\ddot{e} CfCfPjC-CfPSPsPjCf P\cdot P^{\circ}CfC,PsCfCfPIP^{\circ}PSPSC-$
 $P_{\mu}P\gg CHC,CHPsPjP\pm PsP\ddot{I}P^{\circ}PiCf P\cdot C-PSC\epsilon P\ddot{e}PjP\ddot{e} P\gg C-PeP^{\circ}CHCfCHPeP\ddot{e}PjP\ddot{e} P\cdot P^{\circ}CfPsP\pm P^{\circ}PjP\ddot{e}$
 $PrP\gg C_{\mu} P\gg C-PeCfPIP^{\circ}PSPSC_{\mu} P\uparrow P\check{Y}P_{\mu} CfP\gg C-Pr PePsPSC,CHPsP\gg CHPIP^{\circ}C,P\ddot{e}$
 $PeC-P\gg CHPeC-CfC,CH C,CHPsPjP\pm PsC\uparrow P\ddot{e}C,C-PI, C\%PsP\pm CfC,CHP\ddot{e}PjCfPIP^{\circ}C,P\ddot{e} C-C- Cf$
 $PjP_{\mu}P\uparrow P^{\circ}C... CHP_{\mu}PePsPjP_{\mu}PSPrPsPIP^{\circ}PSPsPiPs PrC-P^{\circ}P\ddot{i}P^{\circ}P\cdot PsPSCf (PrP\ddot{e}PI. CHPsP\cdot PrC-P\gg$

$$\text{B} \ll \text{P}\ddot{\text{Y}}\text{P}\ddot{\text{i}}\text{P}\text{sC}\dot{\text{r}}\text{C}-\text{P} \pm \text{P} \cdot \text{P}^\circ \text{C}\dot{\text{r}}\text{C}, \text{P}\text{sC}\dot{\text{r}}\text{C}\dot{\text{r}}\text{P}\text{I}\text{P}^\circ \text{P}\text{S}\text{P}\text{S}\text{C}\dot{\text{r}}\text{C}, \text{P}^\circ \text{P}\dot{\text{r}}\text{P}\text{sP} \cdot \text{P}\ddot{\text{e}}\text{B} \gg).$$
$$PhC\dot{I}PsP\pm P \gg P\ddot{e}PIPsC\dot{I}C,C- P\cdot P^{\circ}C\dot{I}C,P_sC\dot{I}C\dot{e}PIP^{\circ}PSPSC\dot{I}.$$

PJ C...PIPsCḡPëC... PSP° C...CḡPsPSC-C†PSPëPNë P'P"ṖṖ P· C,CḡPsPjP±PsC†PëC,PsPiPµPSC-C"Ḥ C,C,P° C...CḡPsPSC-C†PSPëPj P·P°C...PIPsCḡḤPIP°PSPSCḤPj PiPµC†C-PSPePë PiC-P·PSCḤPsC— C†C,P°PrC-C— C-C†PSCrC" PiC-PrPIPëC%oPµPSPëPNë CḡPëP·PëPe CḡPsP·PIPëC,PeCr PiPsP±C-C†PSPëC... CḡPµP°PeC†C-PNë, Cr C,PsPjCr C†PëC†P»C- PiPsC,PµPSC†C-PNëPSPs P»PµC,P°P»ḤPSPsC— PiPµC†C-PSPePsPIPsC— PSPµPrPsC†C,P°C,PSPsC†C,C- C,P° C,CḡPsPjP±PsPµPjP±PsP»C-C†PSPëC... CrC†PeP»P°PrPSPµPSCḤ. PµC-PrPIPëC%oPµPSPëPNë CḡPëP·PëPe PIPëP·PSP°C†P°C"Ḥ,CḤC†CḤ P·P° PSPëP·ḤPePëPj CḡC-PIPSPµPj P°P»ḤP±CrPjC-PSCr ≤ 35 Pi/P» P°P±Ps PiCḡPë P·PSP°C†PµPSPSC- PiPsPeP°P·PSPëPeP° PjPsPrPµP»C- C,PµCḡPjC-PSP°P»ḤPSPsC— C†C,P°PrC-C— P·P°C...PIPsCḡḤPIP°PSPSCḤ PiPµC†C-PSPePë (MELD) ≥ 10 PiC-Pr C†P°C† P»C-PeCrPIP°PSPSCḤ PµP»ḤḤC,CḡPsPjP±PsPiP°PiPsPj Cr PiPsC"PrPSP°PSPSC- P· C,PµCḡP°PiC-C"Ḥ C-PSC,PµCḡC,,PµCḡPsPSPsPj. PḡCḡC-Pj C,PsPiPs, PiPµCḡPµPIP°PiPë P»C-PeCrPIP°PSPSCḤ P· C,PsC†PePë P·PsCḡCr PrPsC†CḤPiPSPµPSPSCḤ C†C,C-PNëPePsC— PIC-CḡCrC†PsP»PsPiC-C†PSPsC— PIC-PrPiPsPIC-PrC- (ṖṖP'P') PI PiPsCḡC-PIPSCḤPSPSC- P· PiP»P°C†PµP±Ps Cr C†PëC... PiP°C†C-C"ḤPSC,C-PI P±CrP»Pë PSPµP·PSP°C†PSPëPjPë (PsC†PsP±P»PëPIPs Cr PiP°C†C-C"ḤPSC,C-PI P· P±P°P·PsPIPëPj CḡC-PIPSPµPj P°P»ḤP±CrPjC-PSCr ≤ 35 Pi/P»). P»C-PeCrPIP°PSPSCḤ PµP»ḤḤC,CḡPsPjP±PsPiP°PiPsPj C†PëC... C...PIPsCḡPëC... PiPsPIPëPSPSC- CḡPsP·PiPsC†PëPSP°C,Pë P»PëC€Pµ P»C-PeP°CḡC-, C%oPs PjP°ḤC,CḤ PrPsC†PIC-Pr PIPµPrPµPSPSCḤ PiP°C†C-C"ḤPSC,C-PI P· C...CḡPsPSC-C†PSPëPj P'P"ṖṖ PSP° PiC-P·PSC-PNë C†C,P°PrC-C—, C- C,C-P»ḤPePë C,PsPrC-, PePsP»Pë C" CḡPëP·PëPe CḡPsP·PIPëC,PeCr C,CḡPsPjP±PsC†PëC,PsPiPµPSC-C— P°P±Ps PiC-PrC,CḡPëPjPeP° PiCḡPsC,PëPIC-CḡCrC†PSPsC— C,PµCḡP°PiC-C— PIPëPjP°PiP°C" PIC,CḡCrC†P°PSPSCḤ. PİPeC%oPs P»C-PeCrPIP°PSPSCḤ C" PeP»C-PSC-C†PSPs PsP±CrPjPsPIP»PµPSPëPj, PiPsC,CḡC-P±PµPS CḡPµC,PµP»ḤPSPëPNë PjPsPSC-C,PsCḡPëPSPi C†C,P°PSCr C†PëC... C...PIPsCḡPëC....

$$\frac{P'P \cdot P^{\circ}C''P_jPsPrC-ClI \ P \cdot \Pi C\overline{H}PsC, P\ddot{e}PIC-C\overline{H}C\acute{a}C\acute{I}PSP\ddot{e}P_jP\ddot{e} \ P \gg C-PeP^{\circ}C\overline{H}C\acute{I}CHPeP\ddot{e}P_jP\ddot{e}}{P \cdot P^{\circ}C\acute{I}PsP \pm P^{\circ}P_jP\ddot{e} \ \Pi C\overline{H}ClI P_jPsC-PrC-C-}.$$

$P^{\circ}P_{\mu}P \cdot \ddot{P}iP_{\mu}PeP^{\circ} C, P^{\circ} P_{\mu}C,, P_{\mu}PeC, P\ddot{e}PiPSC - Cl^{\circ}C, CH_3 PePsPjP \pm C - PSP^{\circ}C \dagger C - C -$
 $P_{\mu}P \gg CH_3C, C\ddot{H}PsPjP \pm Ps\ddot{P}iP^{\circ}PiCr P \cdot \ddot{P}iC\ddot{H}PsC, P\ddot{e}PiC - C\ddot{H}CrCl^{\circ}PSP\ddot{e}PjP\ddot{e} P \gg C - PeP^{\circ}C\ddot{H}Cl^{\circ}CH_3PeP\ddot{e}PjP\ddot{e}$
 $P \cdot P^{\circ}Cl^{\circ}PsP \pm P^{\circ}PjP\ddot{e} \ddot{P}iC\ddot{H}C\PjPsC - PrC - C -, P \cdot P^{\circ}C, PiP_{\mu}C\ddot{H}PrP\Pi P_{\mu}PSP\ddot{e}PjP\ddot{e} PrP \gg C\Pi$
 $P \gg C - PeCrPiP^{\circ}PSPSC\Pi C...C\ddot{H}PsPSC - C \ddagger PSPsPiPs PiP_{\mu}\ddot{P}iP^{\circ}C, P\ddot{e}C, Cr P\ddot{Y}, PSP^{\circ} C \dagger P_{\mu}PN_2 C \ddagger P^{\circ}Cl^{\circ} PSP_{\mu}$
 $PiCl^{\circ}C, P^{\circ}PSPsPiP \gg P_{\mu}PSP^{\circ}.$

$$P\text{P}\ddot{e}P\cdot P\ddot{e}Pe\text{ }PiP_{\mu}P\ddot{i}P^{\circ}C,PsC,PsPeC\acute{I}P\ddot{e}C\neq PSPsC\acute{I}C,C-.$$

$P-P^{\circ}C\dot{r}C, PsC\dot{r}C\dot{r}PIP^{\circ}PSPSC\dot{C} P_{\mu}P \gg CHC, C\dot{H}PSPjP \pm PsP\ddot{P}^{\circ}PiC\dot{r} PjPsP\dot{P}P_{\mu} C\dot{r}PiC\dot{H}P\ddot{e}C \ddagger P\ddot{e}PSC\dot{C}C, P\ddot{e}$
 $PiPsC\dot{H}C\dot{r}C\epsilon P_{\mu}PSPSC\dot{C} C, C\dot{r}PSPeC \ddagger C-C- P\ddot{P}_{\mu}C \ddagger C-PSPeP\ddot{e} C- PIP\ddot{e}C\dot{C}PIP \gg C\dot{C}C, P\ddot{e}$
 $C\dot{r}P_{\mu}C\dot{H}Pn_{\epsilon}PsP \cdot PSP\ddot{e}Pn_{\epsilon} C, PsPeC\dot{r}P\ddot{e}C \ddagger PSP\ddot{e}Pn_{\epsilon} PIP\ddot{P} \gg P\ddot{e}Pi PSP^{\circ} P\ddot{P}_{\mu}C \ddagger C-PSPeC\dot{r}, C\%_{\circ}Ps PjPsP\dot{P}P_{\mu}$
 $P \pm C\dot{r}C, P\ddot{e} PSP_{\mu}P \pm P_{\mu}P \cdot P\ddot{P}_{\mu}C \ddagger PSP\ddot{e}Pj PrP \gg C\dot{C} P\dot{P}P\ddot{e}C, C, C\dot{C} (PrP\ddot{e}PI. C\dot{H}PSP \cdot PrC-P \gg$
 $B \ll P_{\mu}PsP \pm C-C \ddagger PSC- C\dot{H}P_{\mu}P^{\circ}PeC \ddagger C-C-B \gg).$

$\text{P}\ddot{\text{Y}}\text{P}\gg\text{C}-\text{Pr}\text{ PIP}\ddot{\text{e}}\text{PjC}-\text{C}\ddot{\text{H}}\text{C}\ddot{\text{H}}\text{PIP}^\circ\text{C}, \text{P}\ddot{\text{e}}\text{ C}\acute{\text{I}}\text{P}\ddot{\text{e}}\text{C}\ddot{\text{H}}\text{PsPIP}^\circ\text{C}, \text{PePsPIC}-\text{C}\ddot{\text{H}}\text{C}-\text{PIPSC}-$
 $\text{P}^\circ\text{P}\gg\text{P}^\circ\text{PSC}-\text{PSP}^\circ\text{PjC}-\text{PSPsC}, \text{C}\ddot{\text{H}}\text{P}^\circ\text{PSC}\acute{\text{I}}\text{C}, \text{P}_{\text{u}}\text{C}\ddot{\text{H}}\text{P}^\circ\text{P}\cdot\text{P}\ddot{\text{e}} (\text{P}_{\text{h}}\text{P}\cdot\text{P}_{\text{y}}),$
 $\text{P}^\circ\text{C}\acute{\text{I}}\text{P}\ddot{\text{I}}\text{P}^\circ\text{C}\ddot{\text{H}}\text{C}, \text{P}^\circ\text{C}, \text{P}^\circ\text{PjC}-\text{PSPsC}, \text{C}\ddot{\text{H}}\text{P}^\circ\text{PSC}\acute{\text{I}}\text{C}, \text{P}_{\text{u}}\text{C}\ddot{\text{H}}\text{P}^\circ\text{P}\cdot\text{P}\ddot{\text{e}} (\text{P}_{\text{h}}\text{P}\ddot{\text{Y}}\text{P}\ddot{\text{Y}}) \text{C}, \text{P}^\circ \text{P}\pm\text{C}-\text{P}\gg\text{C}-\text{C}\ddot{\text{H}}\text{C}\text{rP}\pm\text{C}-\text{PSC}\acute{\text{r}}$

$P_{\mu}P_{\mu}C \pm C - PSpPsPIP^{\circ} PSp_{\mu}PrPsCl' C, P^{\circ} C, PSC - Cl' C, CH_2$ Cr $PiP^{\circ}C \dagger C - C''PSC, C-PI P.$
 $C...CH_2PsPSC - C \dagger PSPePj P'P''P\ddot{Y}: Cl'P \gg C - Pr CH_2P_{\mu}C, P_{\mu}P \gg CH_2PSPs PePsPSC, CH_2PsP \gg CH_2PIP^{\circ}C, P\ddot{e}$
 $Cl' C, P^{\circ}PS PiP^{\circ}C \dagger C - C''PSC, C-PI P. PSP\ddot{e}P \cdot CH_2PeP\ddot{e}Pj CH_2C - PIPSP_{\mu}Pj P^{\circ}P \gg CH_2P \pm CrPjC - PSCr' (\leq 35$
 $Pi/P \gg) P^{\circ}P \pm Ps PiCH_2P\ddot{e} PiPsC \dagger P^{\circ}C, PePsPIPspjCr P \cdot PSP^{\circ}C \dagger P_{\mu}PSPSC - PiPsPeP^{\circ}P \cdot PSP\ddot{e}PeP^{\circ}$
 $PjPsPrP_{\mu}P \gg C - C, P_{\mu}CH_2PjC - PSP^{\circ}P \gg CH_2PSPsC - Cl' C, P^{\circ}PrC - C - P \cdot P^{\circ}C...PIPsCH_2CH_2PIP^{\circ}PSPSC \sqcup$
 $PiPuC \pm C - PSpPeP\ddot{e} (MELD) \geq 10.$

Pj PīP°C†C-C" PSC, C-PI P· P'P" PŸ P· C†PēCḡPsP·PsPj PīPμC†C-PSPePē PīCḡPē
P·P°C†C, PsC†C†PīP°PSPSC- P°P»CHbC,, P°-C-PSC, PμCḡC,, PμCḡPsPSCr C" CḡPēP·PēPe
PīPμC†C-PSPePsPIPSC— PrPμPePsPjPīPμPSC†P°C†C-C—. P' 2 PePsPSC, CḡPsP»CHbPsPIP°PSPēC...
PeP»C-PSC-C†PSPēC... PrPsC†P»C-PrP¶PμPSPSC†C... Cr PīP°C†C-C" PSC, C-PI P· P'P" PŸ C, P°
C, CḡPsPjP±PsC†PēC, PsPīPμPSC-C" Cḡ PsP·PSP°PePē PīPμC†C-PSPePsPIPSC—
PSPμPrPsC†C, P°C, PSPsC†C, C- (P°C†C†PēC,, PīPμC†C-PSPePsPIP° PμPSC†PμC,, P°P»PsPīP°C, C-C†C,
PeCḡPsPIPSC, PμC†P° P· PIP°CḡPēPePsP·PSPs CḡPsP·CēPēCḡPμPSPēC... PIPμPS,
C†PīPsPSC, P°PSPSPēPNē P±P°PeC, PμCḡC-P°P»CHbPSPēPNē PīPμCḡPēC, PsPSC-C,))
C†PīPsC†C, PμCḡC-PiP°P»PēC†C†C C†P°C†C, C-CēPμ PI PiCḡC†PīC-
PμP»CHbC, CḡPsPjP±PsPīP°PiC† (11 %), PSC-P¶ Cr PiCḡC†PīC- PīP»P°C†PμP±Ps (6 %).
PμP°C†C-C" PSC, Pē P· PSPēP·CHbPePēPj CḡC-PIPSμPj P°P»CHbP±C†PjC-PSC† (< 35 Pi/P») P°P±Ps
³ 10 P·P° CēPeP°P»PsCḡ MELD PSP° PīPsC†P°C, PeC† PrPsC†P»C-PrP¶PμPSPSC† PjP°P»Pē Cr 3
CḡP°P·Pē P±C-P»CHbCēPēPNē CḡPēP·PēPe PīPμC†C-PSPePsPIPSC—
PSPμPrPsC†C, P°C, PSPsC†C, C- C, P° P·P±C-P»CHbCēPμPSPSC† CḡPēP·PēPeC†
P»PμC, P°P»CHbPSPēC... CrC†PeP»P°PrPSPμPSCḡ PīPsCḡC-PIPSC†PSPs P· C, PēPjPē, C...C, Ps
PjP°PI PjPμPSCē PīC-P·PSCḡ C†C, P°PrC-Cḡ P·P°C... PIPsCḡCḡPIP°PSPSC† PīPμC†C-PSPePē.
PḡCḡC-Pj C, PsPiPs, PīPμCḡPμPIP°PiPē P»C-PeC†PIP°PSPSC† P· C, PsC†PePē P·PsCḡC†
PrPsC†C†PīPSPμPSPSC† PŸP'P' PI PīPsCḡC-PIPSC†PSPSC- P· PīP»P°C†PμP±Ps Cr C†PēC...
PīP°C†C-C" PSC, C-PI P±C†P»Pē PSPμP·PSP°C†PSPēPjPē (PsC†PsP±P»PēPIPs Cr
PīP°C†C-C" PSC, C-PI P· P±P°P·PsPIPēPj CḡC-PIPSμPj P°P»CHbP±C†PjC-PSC† ≤ 35 Pi/P»).
P·P»CHbC, CḡPsPjP±PsPīP°Pi C, P°PePēPj PīP°C†C-C" PSC, P°Pj C†P»C-Pr PīCḡPēP·PSP°C†P°C, Pē
C, C-P»CHbPePē PīC-C†P»C† CḡPμC, PμP»CHbPSPSC— PsC†C-PSPePē PsC†C-PeC†PIP°PSPēC...
PīPμCḡPμPIP°Pi Cr PīPsCḡC-PIPSC†PSPSC- P· CḡPēP·PēPeP°PjPē. PμCḡPē P»C-PeC†PIP°PSPSC-
PīP°C†C-C" PSC, C-PI P· C, P°PePēPjPē C...P°CḡP°PeC, PμCḡPēC†C, PēPeP°PjPē
PSPμPsP±C...C-PrPSPs CrPIP°P¶PSPs C†C, PμP¶PēC, Pē P·P° PsP·PSP°PeP°PjPē C, P°
C†PēPjPīC, PsPjP°PjPē PīPμC†C-PSPePsPIPSC— PSPμPrPsC†C, P°C, PSPsC†C, C-.
P—P° C-PSC,, PsCḡPjP°C†C-C" Cḡ C%PsPrPs PeCḡPēC, PμCḡC-C—PI PīCḡPēPīPēPSPμPSPSC†
P»C-PeC†PIP°PSPSC† C-PSC, PμCḡC,, PμCḡPsPSPsPj C†P»C-Pr P·PIPμCḡPSC†C, PēC†C† PrPs
PIC-PrPīPsPIC-PrPSPSC— C-PSC†C, CḡC†PeC†C-C— PrP»C† PjPμPrPēC†PSPsPiPs
P·P°C†C, PsC†C†PīP°PSPSC†. P—P°C†C, PsC†C†PīP°PSPSC† PμP»CHbC, CḡPsPjP±PsPīP°PiC†
C†P»C-Pr PīCḡPēPīPēPSPēC, Pē, C†PeC%Ps PīCḡPsC, PēPIC-CḡC†C†PSC† C, PμCḡP°PīC-Cḡ
PīCḡPēPīPēPSPēP»Pē PI P·Pībḡ™ C†P·PeC† P· PīPμC†C-PSPePsPIPSCḡ
PSPμPrPsC†C, P°C, PSC-C†C, Cḡ. PŸCḡPsPjP±PsC, PēC†PSC-/C, CḡPsPjP±PsPμPjP±PsP»C-C†PSC-
CēC†PeP»P°PrPSPμPSPSC†.

PμC-Pr C†P°C† PePsPSC, CḡPsP»CHbPsPIP°PSPēC... PrPsC†P»C-PrP¶PμPSCḡ P·P° CrC†P°C†C, Cḡ
PīP°C†C-C" PSC, C-PI P· C, CḡPsPjP±PsC†PēC, PsPīPμPSC-C" Cḡ, C... PIPsCḡPēC... PSP° P'P" PŸ,
C†PeC- PsC, CḡPēPjC†PIP°P»Pē C, PμCḡP°PīC-Cḡ C-PSC, PμCḡC,, PμCḡPsPSPsPj (n = 1439), Cr 38
P· 955 PīP°C†C-C" PSC, C-PI (4 %), C†PeC- PsC, CḡPēPjC†PIP°P»Pē PμP»CHbC, CḡPsPjP±PsPīP°Pi,
C- Cr 6 P· 484 (1 %) PīP°C†C-C" PSC, C-PI PiCḡC†PīC- PīP»P°C†PμP±Ps
CḡPsP·PIPēPSC†P»PēC†Cḡ C, CḡPsPjP±PsPμPjP±PsP»C-C†PSC- CrC†PeP»P°PrPSPμPSPSC†
(PŸP·PJ). P—P°P·PSP°C†PμPSC- C, CḡPsPjP±PsC, PēC†PSC-/C, CḡPsPjP±PsPμPjP±PsP»C-C†PSC-
CrC†PeP»P°PrPSPμPSPSC† PIPeP»CḡC†P°P»Pē C†Pe PIPμPSPsP·PSC-, C, P°Pe C-
P°CḡC, PμCḡC-P°P»CHbPSC- C†PIPēC%P°. P'C-P»CHbCēC-C†C, Cḡ PŸP·PJ P±C†P»Pē
PSPμC†PμCḡPNēPsP·PSPēPjPē C- P±C†P»Pē CrC†C†PSC†C, C- PrPs PeC-PSC†C†
PrPsC†P»C-PrP¶PμPSPSC†. PŸCḡPsPjP±PsP· PīPsCḡC, P°P»CHbPSPSC— PIPμPSPē C"
PSP°PNēP±C-P»CHbCē PīPsCēPēCḡPμPSPēPj TEJ PI PsP±PsC... PiCḡC†PīP°C...
P»C-PeC†PIP°PSPSC† (2 % PīP°C†C-C" PSC, C-PI, C†PeC- PsC, CḡPēPjC†PIP°P»Pē
PμP»CHbC, CḡPsPjP±PsPīP°Pi, PīCḡPsC, Pē < 1 % C, PēC..., C†PeC- PsC, CḡPēPjC†PIP°P»Pē
PīP»P°C†PμP±Ps). PkPμ C†PīPsC†C, PμCḡC-PiP°P»PsC†C† P¶PsPrPSPsPiPs P·Pībḡ™ C†P·PeC†
PjC-P¶ C†P°C†PsPj PīPsC†P°C, PeC† P»C-PeC†PIP°PSPSC† C- CḡPsP·PIPēC, PePsPj PŸP·PJ. PJ

PsC†C-PSCĤPIP°C,Pë C†PĭC-PIPIC-PrPSPsC€PμPSPSCĬ CĤPëP·PëPe/PePsCĤPëC†C,Ch PĭCĤPë
P»C-PeC†PIP°PSPSC- PĭP°C†C-C"°PSC,C-PI C-P· CĤPëP·PëPePsPj PIPëPSPëPePSPμPSPSCĬ PÿP·PJ
P±C†PrCH-CĬPePsC— PμC,C-PsP»PsPiC-C—.

PJ PeP»C-PSC-C†PSPëC... PIPëPĭCĤPsP±C†PIP°PSPSCĬC... PĭCĤPë
CĤPμC,,CĤP°PeC,PμCĤPSC-PNë PÿPĥPĥ PSPμ P±C†P»Ps PIPëCĬPIIP»PμPSPs P¶PsPrPSPsPiPs
PIPëPĭP°PrPeC† PÿP·PJ, PsPrPSP°Pe CĤPëP·PëPe CĤPsP·PIPëC,PeC† C†PëC... CĬPIIPëC%o PSPμ
C†P»C-Pr PIPëPeP»CĤC†P°C,Pë C† C†C-PNë PĭPsPĭC†P»CĬC†C-C— PĭP°C†C-C"°PSC,C-PI
C†PμCĤPμP· PsP±PjPμP¶PμPSC† PeC-P»CHPeC-C†C,Ch C...PIPsCĤPëC..., CĬPeC-
PsC,CĤPëPjC†PIP°P»Pë P»C-PeC†PIP°PSPSCĬ. PhC†PeC-P»CHPePë PĭP°C†C-C"°PSC,P°Pj P·
PĭPsPeP°P·P°PSPSCĬPj PÿPĥPĥ PĭCĤPëP·PSP°C†P°C"C,ChC†CĬ PjP°PeC†PëPjP°P»CHPSP°
C†C...PIP°P»PμPSP° PrPsP·P° (150 PjPi/PrPsP±C†) C- PICĤP°C...PsPIC†CĤC†Pë
C...P°CĤP°PeC,PμCĤ CĤPμP°PeC†C-C—, CĤPsP·PIPëC,PsPe PÿP·PJ PjPsP¶PSP°
PsC†C-PeC†PIP°C,Pë PI C†C-PNë PĭPsPĭC†P»CĬC†C-C— PĭP°C†C-C"°PSC,C-PI.

P·P»CHC,CĤPsPjP±PsPĭP°Pi PSPμ C†P»C-Pr P·P°C†C,PsC†PsPIC†PIP°C,Pë PrP»CĬ
P»C-PeC†PIP°PSPSCĬ PĭP°C†C-C"°PSC,C-PI C-P· PĭPsPjC-CĤPSPsCĤ C,P° C,CĬP¶PePsCĤ
PĭPμC†C-PSPePsPIPsCĤ PSPμPrPsC†C,P°C,PSC-C†C,CĤ (P·P° C€PeP°P»PsCĤ P§P°PNëP»PrP°-
PμBĤ™ CĤ ≥ 5), CĬPeC%oPs PĭPsC,PμPSC†C-PNëPSP° PePsCĤPëC†C,Ch PIC-Pr
P·P°C†C,PsC†C†PIP°PSPSCĬ PSPμ P±C†PrPμ PĭPμCĤPμPIP°P¶P°C,Pë CĤPëP·PëPe
C,CĤPsPjP±PsP·C† PĭPsCĤC,P°P»CHPSPëC... PIPμPS. PĭPeC%oPs P·P°C†C,PsC†C†PIP°PSPSCĬ
PĭCĤPμPĭP°CĤP°C,C† PSPμPsP±C...C-PrPSPμ, PμP»CHC,CĤPsPjP±PsPĭP°Pi PrP»CĬ
P»C-PeC†PIP°PSPSCĬ C...PIPsCĤPëC... P· P†PÿPμ C,P° PĭPμC†C-PSPePsPIPsCĤ
PSPμPrPsC†C,P°C,PSC-C†C,CĤ C†P»C-Pr PĭCĤPëP·PSP°C†P°C,Pë P· PsP±PμCĤPμP¶PSC-C†C,CĤ
(PrPëPI. CĤPsP·PrC-P»Pë B«PÿPĭPsC†C-P± P·P°C†C,PsC†C†PIP°PSPSCĬ C,P° PrPsP·PëB» C-
B«PμPsP±C-C†PSC- CĤPμP°PeC†C-C—B»).

*PμCĤPsPIPsC,PμC†C- PĭC-C†P»CĬ PĭCĤPëPĭPëPSPμPSPSCĬ P»C-PeC†PIP°PSPSCĬ
PμP»CHC,CĤPsPjP±PsPĭP°PiPsPj.*

PμC-C†P»CĬ PĭCĤPëPĭPëPSPμPSPSCĬ P»C-PeC†PIP°PSPSCĬ PμP»CHC,CĤPsPjP±PsPĭP°PiPsPj
C† PĭP°C†C-C"°PSC,C-PI P· P†PÿPμ PjPsP¶Pμ PĭPsPIC,PsCĤPSPs PIPëPSPëPePSC†C,Pë
C,CĤPsPjP±PsC†PëC,PsPĭPμPSC-CĬ. PJ P±C-P»CHC€PsC†C,C- PĭP°C†C-C"°PSC,C-PI PĭC-C†P»CĬ
PĭCĤPëPĭPëPSPμPSPSCĬ P»C-PeC†PIP°PSPSCĬ PμP»CHC,CĤPsPjP±PsPĭP°PiPsPj
PeC-P»CHPeC-C†C,Ch C,CĤPsPjP±PsC†PëC,C-PI PĭPsPIPμCĤC,P°C"C,ChC†CĬ PrPs
PĭPsC†P°C,PePsPIPsPiPs CĤC-PIPSCĬ PĭCĤPsC,CĬPiPsPj 2 C,PëP¶PSC-PI, C%oPs
P·P±C-P»CHC€C†C" CĤPëP·PëPe PIPëPSPëPePSPμPSPSCĬ PeCĤPsPIPsC,PμC†. PĭPμPNë
CĤPëP·PëPe PĭC-PrPIPëC%oC†C"C,ChC†CĬ, CĬPeC%oPs P»C-PeC†PIP°PSPSCĬ
PμP»CHC,CĤPsPjP±PsPĭP°PiPsPj PĭCĤPëPĭPëPSCĬC"C,ChC†CĬ PSP° C,P»C-
P·P°C†C,PsC†C†PIP°PSPSCĬ P°PSC,PëPePsP°PiC†P»CĬPSC,C-PI P°P±Ps
P°PSC,PëC,CĤPsPjP±PsC†PëC,P°CĤPSPëC... P·P°C†PsP±C-PI. PJ CĤP°P·C-
PĭCĤPëPĭPëPSPμPSPSCĬ C,PμCĤP°PĭC-C— PμP»CHC,CĤPsPjP±PsPĭP°PiPsPj
P»C-PeC†PIP°PSPSCĬ C-PrC-PsPĭP°C,PëC†PSPsC— C,CĤPsPjP±PsC†PëC,PsPĭPμPSC-C†PSPsC—
PĭC†CĤPĭC†CĤPë CĤPμPePsPjPμPSP†C†C"C,ChC†CĬ PIC-PrPSPsPIPëC,Pë P·PiC-PrPSPs P·
C†PëPSPSPëPjPë PeP»C-PSC-C†PSPëPjPë CĤPμPePsPjPμPSP†P°C†C-CĬPjPë.
PĭPe PrPsPrP°C,PePsPIC- P·P°C...PsPrPë, PjPsP¶PSP° PĭCĤPëPĭPëPSPëC,Pë
P°PSC,PëPePsP°PiC†P»CĬPSC,PSC† C,P°/P°P±Ps P°PSC,PëC,CĤPsPjP±PsC†PëC,P°CĤPSC†
C,PμCĤP°PĭC-CĤ, PĭPμCĤPμPiP»CĬPSC†C,Pë P°PSC,PëPePsP°PiC†P»CĬC†C-PNëPSC† P°P±Ps
C,CĤPsPjP±PsC†PëC,P°CĤPSC† PĭC-PrC,CĤPëPjPeC†. PμC-P»CHPeC-C†C,Ch
C,CĤPsPjP±PsC†PëC,C-PI C†P»C-Pr PĭPμCĤPμPIC-CĤCĬ,C,Pë C%oPsC,PëP¶PSCĬ
PĭCĤPsC,CĬPiPsPj 4 C,PëP¶PSC-PI PĭC-C†P»CĬ PĭCĤPëPĭPëPSPμPSPSCĬ P»C-PeC†PIP°PSPSCĬ
PμP»CHC,CĤPsPjP±PsPĭP°PiPsPj.

PJ PeP»C-PSC-C†PSPëC... PrPsCÍP»C-PrP¶PµPSPSC¿C... PíP°C†C-C" PSC,C-PI, C...PIPsC¿PëC...
PSP° P'P" Pÿ, PíC-CÍP»C¿ PíC¿PëPíPëPSPµPSPSC¿ PíC¿PëPµPsPjCí
PíPµPíC-PSC,PµC¿C,,PµC¿PsPSCí, C¿PëP±P°PIC-C¿PëPSCí C,P° PµP»CHC,C¿PsPjP±PsPíP°PíCí
PíPsPIC-PrPsPjP»C¿P»PSCÍCH PíC¿Ps PIPëC%PëPµ C¿C-PIPµPSC¿ PIPëPSPëPePSPµPSPSC¿
CëP»CíPSPePsPIPs-PePëCëPePsPIPëC... PeC¿PsPIPsC,PµC†, PI C,PsPjCí C†PëCÍP»C-
C,C¿P¶PePëC... C- P»PµC,P°P»CHPSPëC.... PµC-CÍP»C¿ PíC¿PëPíPëPSPµPSPSC¿
C,PµC¿P°PíC-C— PíP°C†C-C" PSC,C-PI PíPsC,C¿C-P±PSPs PePsPSC,C¿PsP»C¿PIP°C,Pë PSP°
PSP°C¿PIPSC-CÍC,CH P±CíPrCH-C¿PePëC... CÍPëPjPíC,PsPjC-PI CëP»CíPSPePsPIPs-
PePëCëPePsPIPsC— PeC¿PsPIPsC,PµC†C-.

*PµC-CÍC,PePsPIPs-PjPsP-PePsPIPµ C,,PsC¿PjC¿PIP°PSPSC¿ C¿PµC,PëPeC¿P»C-PSC¿ C,P°
C¿PëP-PëPe PeC-CÍC,PePsPIPs-PjPsP-PePsPIPsPiPs C,,C-P±C¿PsP-C¿.*

P•P»CHC,C¿PsPjP±PsPíP°Pí P·P±C-P»CHCëCíC" C¿PëP·PëPe PíPsC¿PIPë P°P±Ps
PíC-PrPIPëC%PµPSPsPiPs CíC,PIPsC¿PµPSPSC¿ C¿PµC,PëPeCíP»C-PSPsPIPëC...
PIPsP»PsPePsPS Cí PeC-CÍC,PePsPIPsPjCí PjPsP·PeCí. P—PSP°C†PµPSPSC¿ C†CHPsPiPs, C¿Pe
C- PíC¿Pë P·P°CÍC,PsCÍCíPIP°PSPSC- C-PSCëPëC... P°PiPsPSC-CÍC,C-PI
C,C¿PsPjP±PsPíPsPµC,PëPSPsPIPëC... C¿PµC†PµPíC,PsC¿C-PI, C%Pµ PSPµ
PICÍC,P°PSPsPIP»PµPSPs.

PµPµC¿PµPr PíPsC†P°C,PePsPj P»C-PeCíPIP°PSPSC¿ PµP»CHC,C¿PsPjP±PsPíP°PíPsPj CÍP»C-Pr
C¿PµC,PµP»CHPSPs PIPëPIC†PëC,Pë PjP°P·PsPe PíPµC¿PëC,,PµC¿PëC†PSPsC— PeC¿PsPIC-
PrP»C¿ PIPëP·PSP°C†PµPSPSC¿ PíPsC†P°C,PePsPIPsPiPs C¿C-PIPSC¿
PjPsC¿C,,PsP»PsPiC-C†PSPëC... PíPsC¿CíCëPµPSC¿ PeP»C-C,PëPS PeC¿PsPIC-.
PµC-CÍP»C¿ PICÍC,P°PSPsPIP»PµPSPSC¿ CÍC,P°P±C-P»CHPSPsPiPs C¿PµP¶PëPjCí
PrPsP·CíPIP°PSPSC¿ PµP»CHC,C¿PsPjP±PsPíP°PíCí C%PsPjC-CÍC¿C†C¿ PíPsC,C¿C-P±PSPs
C¿PsP±PëC,Pë PíPsPIPSPëPµ P°PSP°P»C-P· PeC¿PsPIC- C-P· PíC-PrC¿P°C...CíPSPePsPj
P»PµPµPePsC†PëC,P°C¿PSPsC— C,,PsC¿PjCíP»Pë. PJ C¿P°P·C- PíPsC¿PIPë PSPµP·C¿C-P»PëC...
P°P±Ps PrPëCÍPíP»P°CÍC,PëC†PSPëC... PeP»C-C,PëPS PSPµPsP±C...C-PrPSPs
PíC¿PsP°PSP°P»C-P·CíPIP°C,Pë PjP°P·PsPe PíPµC¿PëC,,PµC¿PëC†PSPsC— PeC¿PsPIC-
C%PsPrPs PIPëC¿PIP»PµPSPSC¿ PSPsPIPëC... P°P±Ps PíPsPiP»PëP±P»PµPSPSC¿ PIP¶Pµ
PSP°C¿PIPSPëC... PjPsC¿C,,PsP»PsPiC-C†PSPëC... PíPsC¿CíCëPµPSC¿ (PSP°PíC¿PëPeP»P°Pr
C¿PsP·C¿PëPIC-PI C,P° PíPsC¿PIPë C¿PrPµC¿ PI PµC¿PëC,C¿PsC†PëC,P°C...,
PSPµP·C¿C-P»PëC... P»PµPµPePsC†PëC,C-PI) P°P±Ps C†PëC,PsPíPµPSC-Pµ. PíPeC%Ps Cí
C...PIPsC¿PsPiPs P·B¿™ C¿PIP»C¿C¿C,CHCÍC¿ PSPsPIC- P°P±Ps PíPsCÍPëP»C¿C¿C,CHCÍC¿
CíP¶Pµ PSP°C¿PIPSC- PjPsC¿C,,PsP»PsPiC-C†PSC- PíPsC¿CíCëPµPSPSC¿ P°P±Ps
PIPëPSPëPeP°C" C†PëC,PsPíPµPSC-C¿, P»C-PeCíPIP°PSPSC¿ PµP»CHC,C¿PsPjP±PsPíP°PíPsPj
CÍP»C-Pr PíC¿PëPíPëPSPëC,Pë C- PIPëC¿C-CëPëC,Pë PíPëC,P°PSPSC¿ PíC¿Ps
PíC¿PsPIPµPrPµPSPSC¿ P±C-PsPíCÍC-C— PeC-CÍC,PePsPIPsPiPs PjPsP·PeCí,
PIPeP»C¿C†P°C¿C†Pë C,,P°C¿P±CíPIP°PSPSC¿ PjP°P·PeP° PrP»C¿ PIPëP·PSP°C†PµPSPSC¿
C,,C-P±C¿PsP·Cí.

*P—P»PsC¿PeC-CÍPSC- PSPsPIPsC¿C,PIPsC¿PµPSPSC¿ C,P° C—C...
PíC¿PsPiC¿PµCÍC¿PIP°PSPSC¿.*

P©PsPrPs P°PiPsPSC-CÍC,C-PI TPO-R C-CÍPSCíC" C,PµPsC¿PµC,PëC†PSPµ
PíC¿PëPíCíC%PµPSPSC¿, C%Ps PIPsPSPë PjPsP¶CíC,CH CÍC,PëPjCíP»C¿PIP°C,Pë
PíC¿PsPiC¿PµCÍCíPíP°PSPSC¿ PSP°C¿PIPSPëC... PíPµPjP°C,PsPíPsPµC,PëC†PSPëC...
PSPsPIPsCíC,PIPsC¿PµPSC¿, C,P°PePëC... C¿Pe PjC-C" P»PsPrPëCÍPíP»P°CÍC,PëC†PSPëPµ
CÍPëPSPPrC¿PsPj. P¿PíPsPSC-CÍC,Pë C,C¿PsPjP±PsPíPsPµC,PëPSPsPIPëC...
C¿PµC†PµPíC,PsC¿C-PI C" C,,P°PeC,PsC¿P°PjPë C¿PsCÍC,Cí, C%Ps
CÍPíC¿PëC†PëPSC¿C¿C,CH C¿PsP·PIPëC,PsPe PeP»C-C,PëPS-PíPsPíPµC¿PµPrPSPëPeC-PI
C,C¿PsPjP±PsPíPsPµP·Cí, C—C... PrPëC,,PµC¿PµPSC†C-C¿PIP°PSPSC¿ C,P°

PiCḡPsPrCfPeCfPIP°PSPSCḡ C,CḡPsPjP±PsC†PëC,C-PI. PḡCḡPsPjP±PsPiPsPμC,PëPSPsPIC-
CḡPμC†PμPiC,PsCḡPë PiCḡPμPrCfC,P°PIP»PμPSC-, PiPsP»PsPIPSPëPj C†PëPSPsPj, PSP°
PiPsPIPμCḡC...PSC- PeP»C-C,PëPS PjC-C”P»PsC—PrPSPsPiPs PiPsC...PsPrPḡPμPSPSCḡ.

Pj PeP»C-PSC-C†PSPëC... PrPsCfP»C-PrPḡPμPSPSCḡC... P·P°CfC,PsCfCfPIP°PSPSCḡ
P°PiPsPSC-CfC,C-PI C,CḡPsPjP±PsPiPsPμC,PëPSPsPIPëC... CḡPμC†PμPiC,PsCḡC-PI C†
PiP°C†C-C”PSC,C-PI P· PjC-C”P»PsPrPëCfPiP»P°CfC,PëC†PSPëPj C†PëPSPrCḡPsPjPsPj (PḡP”Pḡ)
C,,C-PeCfCfPIP°P»PëCfCḡ PIPëPiP°PrPePë C,CḡP°PSP·PëC,PsCḡPSPsPiPs
P·P±C-P»CḡC€PμPSPSCḡ PeC-P»CḡPePsCfC,C- P±P»P°CfC,PSPëC... PeP»C-C,PëPS C-
PiCḡPsPiCḡPμCfCfPIP°PSPSCḡ PḡP”Pḡ PrPs PiPsCfC,CḡPsPiPs PjC-C”P»PsC—PrPSPsPiPs
P»PμPNëPePsP·C† (P”PḡP>).

P”C-P°PiPSPsP· P†PḡPμ P°P±Ps PḡPḡPḡ C† PrPsCḡPsCfP»PëC... C- P»C-C,PSC-C...
PiP°C†C-C”PSC,C-PI PiPsPIPëPSPμPS P±C†C,Pë PiC-PrC,PIPμCḡPrPḡPμPSPëPNë C€P»CḡC...PsPj
PIPëPeP»CḡC†PμPSPSCḡ C-PSC€PëC... PSPsP·PsP»PsPiC-PNë, C%oPs
CḡPsP·PIPëPIP°CḡC,CḡCfCḡ P· C,CḡPsPjP±PsC†PëC,PsPiPμPSC-C”Cḡ, P·PsPeCḡPμPjP°
CfP»C-Pr PIPëPeP»CḡC†PëC,Pë PrC-P°PiPSPsP· PḡP”Pḡ. PḡP»C-Pr CḡPsP·PiP»CḡPSC†C,Pë
PjPsPḡP»PëPIC-CfC,Cḡ PIPëPePsPSP°PSPSCḡ P°CfPiC-CḡP°C†C— PeC-CfC,PePsPIPsPiPs
PjPsP·PeC† C,P° P±C-PsPiCfC-C— PiCḡPsC,CḡPiPsPj PiPμCḡPμP±C-PiC†
P·P°C...PIPsCḡCḡPIP°PSPSCḡ C- P»C-PeC†PIP°PSPSCḡ, PsCfPsP±P»PëPIPs C†
PiP°C†C-C”PSC,C-PI PIC-PePsPj PIC-Pr 60 CḡPsPeC-PI, CḡPeC- PjP°CḡC,Cḡ C†PëCfC,PμPjPSC-
C†PëPjPiC,PsPjPë P°PSPsPjP°P»C-PNë, C,P°PeC- CḡPe P·CḡPsCfC,P°PSPSCḡ
PeC-P»CḡPePsCfC,C- PiPμCḡPëC,,PμCḡPëC†PSPëC... P±P»P°CfC,PSPëC... PeP»C-C,PëPS.

P·C,,PμPeC,PëPIPSC-CfC,Cḡ C,P° P±PμP·PiPμPeC† P·P°CfC,PsCfCfPIP°PSPSCḡ
PμP»CḡC,CḡPsPjP±PsPiP°PiC† PrP»Cḡ P»C-PeC†PIP°PSPSCḡ C-PSC€PëC...
C,CḡPsPjP±PsC†PëC,PsPiPμPSC-C†PSPëC... CfC,P°PSC-PI, PIPeP»CḡC†P°CḡC†Pë PḡP”Pḡ
P°P±Ps C,CḡPsPjP±PsC†PëC,PsPiPμPSC-Cḡ, C-PSPrC†PePsPIP°PSC-
C...C-PjC-PsC,PμCḡP°PiC-C”Cḡ, PSPμ PIC†C,P°PSPsPIP»PμPSPs. P·P»CḡC,CḡPsPjP±PsPiP°Pi
CfP»C-Pr P·P°CfC,PsCfPsPIC†PIP°C,Pë P»PëC€Pμ P·P° P·P°C,PIPμCḡPrPḡPμPSPëPjPë
PiPsPeP°P·P°PSPSCḡPjPë C- PSPμ CfP»C-Pr P·P°CfC,PsCfPsPIC†PIP°C,Pë PrP»Cḡ
P»C-PeC†PIP°PSPSCḡ C,CḡPsPjP±PsC†PëC,PsPiPμPSC-C—, PIPëPeP»PëPeP°PSPsC— PḡP”Pḡ,
P°P±Ps P±C†PrCḡ-CḡPePsC— C-PSC€PsC— PiCḡPëC†PëPSPë
C,CḡPsPjP±PsC†PëC,PsPiPμPSC-C—.

*PiPëC,PsPiPμPSPμC,PëC†PSC- PrPμC,,PμPeC,Pë C,P° PiCḡPsPiCḡPμCfC†PIP°PSPSCḡ PrPs
PḡP”Pḡ/P”PḡP> C† PiP°C†C-C”PSC,C-PI P· PḡPḡPḡ.*

P’C-PrPsPjPs, C%oPs C† PiP°C†C-C”PSC,C-PI P· PḡPḡPḡ PIPëPSPëPeP°CḡC,Cḡ
C†PëC,PsPiPμPSPμC,PëC†PSC- PrPμC,,PμPeC,Pë. KpμPIC-PrPsPjPs, C†Pë
PμP»CḡC,CḡPsPjP±PsPiP°Pi PiC-PrPIPëC%oC†C” CḡPëP·PëPe
C†PëC,PsPiPμPSPμC,PëC†PSPëC... PrPμC,,PμPeC,C-PI C† PiP°C†C-C”PSC,C-PI P· PḡPḡPḡ.
Pj PeP»C-PSC-C†PSPsPjC† PIPëPiCḡPsP±C†PIP°PSPSC- C,,P°P·Pë II
PμP»CḡC,CḡPsPjP±PsPiP°PiC† C† PiPsC†P°C,PePsPIC-PNë PrPsP·C- 50 PjPi/PrPsP±C† (P·
PiC-PrPIPëC%oPμPSPSCḡPj PrPsP·Pë PePsPḡPSC- 2 C,PëPḡPSC- PrPs
PjP°PeCfPëPjP°P»CḡPSPsC— PrPsP·Pë 150 PjPi/PrPsP±C†) (ELT112523) C†
PiP°C†C-C”PSC,C-PI P· CḡPμC,,CḡP°PeC,PμCḡPSPsCḡ PḡPḡPḡ PIPëPSPëPePSPμPSPSCḡ
PSPsPIPëC... C†PëC,PsPiPμPSPμC,PëC†PSPëC... PiP°C,PsP»PsPiC-PNë
C†PiPsCfC,PμCḡC-PiP°P»PsCfCḡ C† 17,1 % PrPsCḡPsCfP»PëC... PiP°C†C-C”PSC,C-PI
[7/41 (C† 4 P· CḡPePëC... P±C†P»Pë P·PjC-PSPë PI C...CḡPsPjPsCfPsPjC- 7)].
PḡPμPrC-P°PSP° C†P°CfC† PrPs PiPsCḡPIPë C†PëC,PsPiPμPSPμC,PëC†PSPsC—

ΠiP°C,PsP»PsPiC-C— PrPsCḡC-PIPSCḡPIP°P»P° 2,9 PjC-CḡCḡCḡCḡC.

PJ PeP»C-PSC-CḡPSPsPjCḡ PrPsCḡP»C-PrPḡPμPSPSC- C,,P°P·Pē II
PμP»CHC,CḡPsPjP±PsPiP°PiCḡ Cḡ PrPsP·C- 150 PjPi/PrPsP±Cḡ (P·C- P·PjC-PSP°PjPē
P·P°P»PμPḡPSPs PIC-Pr PμC,PSC-CḡPSPsC— PiCḡPēPSP°P»PμPḡPSPsCḡC,C- P°P±Ps
PIC-PeCḡ PIC-PrPiPsPIC-PrPSPs PrPs PiPsPeP°P·P°PSCḡ) (ELT116826) P·P°
CḡCḡP°CḡC,Cḡ PiP°CḡC-C”PSC,C-PI P· CḡPμC,,CḡP°PeC,PμCḡPSPsCḡ PḡPḡPḡ,
PIPēPSPēPePSPμPSPSCḡ PSPsPIPēC... CḡPēC,PsPiPμPSPμC,PēCḡPSPēC...
PiP°C,PsP»PsPiC-PNē CḡPiPsCḡC,PμCḡC-PiP°P»PsCḡCḡ Cḡ 22,6 % PrPsCḡPsCḡP»PēC...
PiP°CḡC-C”PSC,C-PI [7/31 (Cḡ 3 P· CḡPePēC... P±CḡP»Pē P·PjC-PSPē PI
C...CḡPsPjPsCḡPsPjC- 7)]. P·CḡC- 7 PiP°CḡC-C”PSC,C-PI PjP°P»Pē PSPsCḡPjP°P»CHPSC-
CḡPēC,PsPiPμPSPμC,PēCḡPSC- PiP°CḡP°PjPμC,CḡPē PSP° PIPēC...C-PrPSPsPjCḡ
CḡC-PIPSC-. PJ CḡPμCḡC,Pē PiP°CḡC-C”PSC,C-PI PIC-PrPjC-CḡP°P»PēCḡCḡ
CḡPēC,PsPiPμPSPμC,PēCḡPSC- PrPμC,,PμPeC,Pē PSP° 3-PjCḡ PjC-CḡCḡCḡC-
P»C-PeCḡPIP°PSPSCḡ PμP»CHC,CḡPsPjP±PsPiP°PiPsPj. PJ PsPrPSPsPiPs
PiP°CḡC-C”PSC,P° PIC-PrPjC-CḡP°P»PēCḡCḡ CḡPēC,PsPiPμPSPμC,PēCḡPSC-
PrPμC,,PμPeC,Pē PSP° 6-PjCḡ PjC-CḡCḡCḡC- P»C-PeCḡPIP°PSPSCḡ.
PJ PeP»C-PSC-CḡPSPēC... PIPēPiCḡPsP±CḡPIP°PSPSCḡC...
PμP»CHC,CḡPsPjP±PsPiP°PiCḡ P·P° CḡCḡP°CḡC,Cḡ PiP°CḡC-C”PSC,C-PI P· PḡPḡPḡ 4 %
PiP°CḡC-C”PSC,C-PI (5/133) P±CḡPI PiPsCḡC,P°PIP»PμPSPēPNē PrC-P°PiPSPsP· PḡP”Pḡ.
PḡPμPrC-P°PSP° CḡP°CḡCḡ PrPs PICḡC,P°PSPsPIP»PμPSPSCḡ PrC-P°PiPSPsP·Cḡ
CḡC,P°PSPsPIPēP»P° 3 PjC-CḡCḡCḡC- P· PiPsCḡP°C,PeCḡ P»C-PeCḡPIP°PSPSCḡ
PμP»CHC,CḡPsPjP±PsPiP°PiPsPj.

P”P»Cḡ PiP°CḡC-C”PSC,C-PI P· PḡPḡPḡ, CḡPeC- PSPμ PiC-PrPrP°PIP°P»PēCḡCḡ P°P±Ps
PIP°PḡPePs PiC-PrPrP°PIP°P»PēCḡCḡ PiPsPiPμCḡPμPrPSC-PNē
C-PjCḡPSPsCḡCḡPiCḡPμCḡPēPIPSC-PNē C,PμCḡP°PiC-C—, CḡPμPePsPjPμPSPPrPsPIP°PSPμ
PiCḡPsPIPμPrPμPSPSCḡ PsP±CḡC,PμPḡPμPSPSCḡ PeC-CḡC,PePsPIPsPiPs PjPsP·PeCḡ P·
CḡPēC,PsPiPμPSPμC,PēCḡPSPēPjPē PrPsCḡP»C-PrPḡPμPSPSCḡPjPē PiPμCḡPμPr C,PēPj, CḡPe
PiPsCḡPēPSP°C,Pē PiCḡPēPNēPsPj PμP»CHC,CḡPsPjP±PsPiP°PiCḡ, P° PiPsC,C-Pj PSP° 3 C,P° PSP°
6 PjC-CḡCḡCḡC- P»C-PeCḡPIP°PSPSCḡ. PiPeC%Ps P±CḡPrCḡC,CH PIPēCḡPIP»PμPSC- PSPsPIC-
CḡPēC,PsPiPμPSPμC,PēCḡPSC- PrPμC,,PμPeC,Pē, CḡP»C-Pr PsCḡC-PSPēC,Pē
PrPsCḡC-P»CHPSC-CḡC,CH PiCḡPsPrPsPIPḡPμPSPSCḡ P»C-PeCḡPIP°PSPSCḡ
PμP»CHC,CḡPsPjP±PsPiP°PiPsPj.

PḡP°C,P°CḡP°PeC,P° C,P° C-PSC€C- P·PjC-PSPē P· P±PsPeCḡ PsCḡPiP°PSC-PI P·PsCḡCḡ.

P—P° PrP°PSPēPjPē C,PsPeCḡPēPePsP»PsPiC-CḡPSPēC... PrPsCḡP»C-PrPḡPμPSCḡ PSP°
C,PIP°CḡPēPSP°C..., PiCḡPē P·P°CḡC,PsCḡCḡPIP°PSPSC- PμP»CHC,CḡPsPjP±PsPiP°PiCḡ
CḡPiPsCḡC,PμCḡC-PiP°P»PēCḡCḡ PIPēPiP°PrPePē PIPēPSPēPePSPμPSPSCḡ
PeP°C,P°CḡP°PeC,Pē. PJ PePsPSC,CḡPsP»CHPsPIP°PSPēC... PrPsCḡP»C-PrPḡPμPSPSCḡC... Cḡ
PiP°CḡC-C”PSC,C-PI P· P”Pḡ C- C,CḡPsPjP±PsCḡPēC,PsPiPμPSC-C”Cḡ (n = 1439), CḡPeC-
PsC,CḡPēPjCḡPIP°P»Pē C,PμCḡP°PiC-Cḡ C-PSC,PμCḡC,,PμCḡPsPSPsPj,
PiCḡPsPiCḡPμCḡCḡPIP°PSPSCḡ PIPḡPμ PSP°CḡPIPSPsC— PeP°C,P°CḡP°PeC,Pē P°P±Ps
PIPḡPμCḡCḡPμ PIPēCḡPIP»PμPSC- PIPēPiP°PrPePē PeP°C,P°CḡP°PeC,Pē CḡPeP»P°P»Pē 8 % Cḡ
PiCḡCḡPiC- PμP»CHC,CḡPsPjP±PsPiP°PiCḡ C- 5 % Cḡ PiCḡCḡPiC- PiP»P°CḡPμP±Ps.
PḡCḡPsPIPsPIPēP»PēPIPē PI CḡC-C,PeC-PIPeCḡ, PiPμCḡPμPIP°PḡPSPs PeP»P°CḡCḡ 1 P°P±Ps 2,
P±CḡP»Pē P·P°CḡPμC”CḡC,CḡPsPIP°PSC- Cḡ PiP°CḡC-C”PSC,C-PI P· P”Pḡ, CḡPeC-
PsC,CḡPēPjCḡPIP°P»Pē C-PSC,PμCḡC,,PμCḡPsPS, CḡPēP±P°PIC-CḡPēPS C-
PμP»CHC,CḡPsPjP±PsPiP°Pi (2 % Cḡ PiCḡCḡPiC- PμP»CHC,CḡPsPjP±PsPiP°PiCḡ C- 2 % Cḡ

PiCḡCfPiC- PīP»P°C†PμP±Ps). PḡCḡPsPIPsPIPēP»PēPIPē CḡPīPsCḡC,PμCḡC-PiP°P»PēCḡCḡ PSP°
PīPsPIPμCḡC...PSC- CḡC-C,PēC-PIPePē (PīCḡPμCḡPμC,PēPSP°P»CḡPSC-), PīC-Pr
CḡC-C,PēC-PIPePsCḡ (CḡCfP±CḡPμC,PēPSP°P»CḡPSC-) P°P±Ps PI C,PēP°PSPēPSPē
CḡC-C,PēC-PIPePē. P PμPePsPjPμPSPPrCḡCḡC,CḡCḡCḡ CḡPμPiCḡP»CḡCḡPSPμ
PsCḡC,P°P»CḡPjPsP»PsPiC-C†PSPμ CḡPīPsCḡC,PμCḡPμPḡPμPSPSCḡ P·P° PīP°C†C-CḡPSC,P°PjPē,
PI C,PsPjCḡ C†PēCḡP»C- P· PjPμC,PsCḡ PIPēCḡPIP»PμPSPSCḡ PeP°C,P°CḡP°PeC,Pē.

PμPsPrPsPIPḡPμPSPSCḡ C-PSC,PμCḡPIP°P»Cḡ QT/QTc.

PḡPsCḡP»C-PrPḡPμPSPSCḡ C-PSC,PμCḡPIP°P»Cḡ QTc Cḡ P·PrPsCḡPsPIPēC...
PrPsP±CḡPsPIPsP»CḡC†C-PI, CḡPeC- PsC,CḡPēPjCḡPIP°P»Pē PīPs 150 PjPi
PμP»CḡC,CḡPsPjP±PsPīP°PiCḡ PSP° PrPsP±Cḡ, PSPμ PīPsPeP°P·P°P»Pē PeP»C-PSC-C†PSPs
P·PSP°C†CḡCḡPsPiPs PIPīP»PēPICḡ PSP° CḡPμPīPsP»CḡCḡPēP·P°C†C-Cḡ CḡPμCḡC†Cḡ.
PμPsPrPsPIPḡPμPSPSCḡ C-PSC,PμCḡPIP°P»Cḡ QTc CḡPīPsCḡC,PμCḡC-PiP°P»PsCḡCḡ PI
PeP»C-PSC-C†PSPēC... PIPēPīCḡPsP±CḡPIP°PSPSCḡC... Cḡ PīP°C†C-CḡPSC,C-PI P· P†PḡPμ C- Cḡ
PīP°C†C-CḡPSC,C-PI P· PḡPḡPḡ C,P° C,CḡPsPjP±PsC†PēC,PsPīPμPSC-CḡCḡ. PḡP»C-PSC-C†PSPμ
P·PSP°C†PμPSPSCḡ C†PēC... PIPēPīP°PrPeC-PI PīPsPrPsPIPḡPμPSPSCḡ QTc PSPμPIC-PrPsPjPμ.

*P—PSPēPḡPμPSPSCḡ C,PμCḡP°PīPμPIC,PēC†PSPsPiPs PμCḡ,PμPeC,Cḡ P»C-PēCḡPIP°PSPSCḡ
PμP»CḡC,CḡPsPjP±PsPīP°PiPsPj.*

Pj CḡP°P·C- P·PSPēPḡPμPSPSCḡ C,PμCḡP°PīPμPIC,PēC†PSPsPiPs PμCḡ,PμPeC,Cḡ
P»C-PēCḡPIP°PSPSCḡ P°P±Ps PSPμPjPsPḡP»PēPIPsCḡC,C- PīC-PrC,CḡPēPjCḡPIP°C,Pē
PIC-PrPīPsPIC-PrCḡ C,CḡPsPjP±PsC†PēC,C-PI PSP° P»C-PēCḡPIP°PSPSCḡ
PμP»CḡC,CḡPsPjP±PsPīP°PiPsPj Cḡ PjPμPḡP°C... CḡPμPePsPjPμPSPPrPsPIP°PSPēC... PrPsP·
CḡP»C-Pr CēCḡPeP°C,Pē PīCḡPēC†PēPSPSC- Cḡ,P°PeC,PsCḡPē, PIPeP»CḡC†P°CḡC†Pē
PīC-PrPIPēCḡPμPSPSCḡ PIPjC-CḡC,Cḡ CḡPμC,PēPeCḡP»C-PSPsPIPēC... PIPsP»PsPePsPS Cḡ
PeC-CḡC,PePsPIPsPjCḡ PjPsP·PeCḡ.

PḡC-C,Pē.

P—P°P·PSP°C†PμPSC- PsCḡPsP±P»PēPIPsCḡC,C- P·P°CḡC,PsCḡCḡPIP°PSPSCḡ
PμP»CḡC,CḡPsPjP±PsPīP°PiCḡ PrP»Cḡ P»C-PēCḡPIP°PSPSCḡ P†PḡPμ PSPμPsP±C...C-PrPSPs
PICḡP°C...PsPICḡPIP°C,Pē Cḡ CḡP°P·C- PīCḡPēP·PSP°C†PμPSPSCḡ PīCḡPμPīP°CḡP°C,Cḡ
PrC-C,CḡPj.

PḡPīP»PēPI PSP° PīPsPeP°P·PSPēPePē P»P°P±PsCḡP°C,PsCḡPSPēC... P°PSP°P»C-P·C-PI.

P·P»CḡC,CḡPsPjP±PsPīP°Pi CḡPēP»CḡPSPs P·P°P±P°CḡPIP»PμPSPēPμ, PsC,PḡPμ PjPsPḡPμ
PIPīP»PēPIP°C,Pē PSP° PrPμCḡPeC- PīPsPeP°P·PSPēPePē P»P°P±PsCḡP°C,PsCḡPSPēC...
P°PSP°P»C-P·C-PI. Pj PīP°C†C-CḡPSC,C-PI, CḡPeC- PsC,CḡPēPjCḡPIP°P»Pē
PμP»CḡC,CḡPsPjP±PsPīP°Pi, CḡPīPsCḡC,PμCḡC-PiP°P»PēCḡCḡ P·PjC-PSP° PePsP»CḡPsCḡCḡ
CḡPēCḡPsPIP°C,PēPē C,P° PIPīP»PēPI PSP° CḡC-PIPS- P·P°PīP°P»CḡPSPsPiPs
P±C-P»C-CḡCḡP±C-PSCḡ C,P° PeCḡPμP°C,PēPSC-PSCḡ. PīPeCḡPs CḡPμP·CḡP»CḡC,P°C,Pē
P»P°P±PsCḡP°C,PsCḡPSPēC... P°PSP°P»C-P·C-PI C,P° PeP»C-PSC-C†PSC-
CḡPīPsCḡC,PμCḡPμPḡPμPSPSCḡ PSPμ CḡP·PiPsPrPḡCḡCḡ,CḡCḡCḡ PjC-Pḡ CḡPsP±PsCḡ,
PrP»Cḡ PIPēP·PSP°C†PμPSPSCḡ PIP°P»C-PrPSPsCḡC,C- CḡPμP·CḡP»CḡC,P°C,C-PI PjPsPḡPSP°
PIPēPePsPSP°C,Pē PīPsPIC,PsCḡPSC- P°PSP°P»C-P·Pē P· PIPēPePsCḡPēCḡC,P°PSPSCḡPj
C-PSCḡPsPiPs PjPμC,PsPrCḡ.

PḡP°PḡP»PēPIP° C-PSCḡ,PsCḡPjP°C†C-Cḡ PīCḡPs PrPsPīPsPjC-PḡPSC- CḡPμC†PsPIPēPSPē.

PīPμPμ P»C-PēP°CḡCḡCḡPePēPμ P·P°CḡC-P± PjC-CḡC,PēC,Cḡ PjPμPSCḡPμ 1 PjPjPsP»Cḡ

PSP°C,CTHC-CTH (23 PjPi)/C,P°P±P»PμC,PeCf, PIPeCTHPeC,Cf PiP»C-PIPePsPIPsCTH
PsP±PsP»PsPSPePsCTH, C,PsP±C,Ps PiCTHP°PeC,PeC±PSPs PIC-P»CHbPSPePNē PIC-Pr
PSP°C,CTHC-CTH.

*P—P°CTC,PsCTCzPIP°PSPSClI Cz PiPμCTHC-PsPr PIP°PiC-C,PSPsCTC,C- P°P±Ps
PiPsPrCzPIP°PSPSClI PiCTHCzPrPrCTH.*

P'P°PiC-C,PSC-CTC,CHb.

PkPμPjP°C" PrPsCTC,P°C,PSC-C... PrP°PSPeC... C%oPsPrPs P·P°CTC,PsCTCfPIP°PSPSClI
PμP»CHbC,CTHPsPjP±PsPiP°PiCf PIP°PiC-C,PSPePj. P—P° PrP°PSPePjPe PrPsCTP»C-PrP¶PμPSCb
PSP° C,PIP°CTHPePSP°C... P±CfP»P° PIPeClIPIP»PμPSP° CTHPμPiCTHPsPrCfPeC,PēPIPSP°
C,PsPeCTfPeC±PSC-CTC,CHb P»C-PeP°CTCTCHbPePsPiPs P·P°CTfPsP±Cf.
PμPsC,PμPSC†C-PNēPSPePNē CTHPeP·PePe PrP»ClI P»CTHPrPePSPe PSPμPIC-PrPsPjPePNē.

P·P»CHbC,CTHPsPjP±PsPiP°Pi-P'C-CTC,P° PSPμ CTHPμPePsPjPμPSPfCfC"C,CHbCTClI
P·P°CTC,PsCTfPsPICfPIP°C,Pe Cf PiPμCTHC-PsPr PIP°PiC-C,PSPsCTC,C-.

*P-C-PSPePe CTHPμPiCTHPsPrCzPeC,PēPIPSPsPiPs PIC-PeCz / PePsPSC,CTHP°C†PμPiC†C-ClI Cz
CzPsP»PsPIC-PeC-PI C,P° P¶C-PSPsPe.*

P·P»CHbC,CTHPsPjP±PsPiP°Pi-P'C-CTC,P° PSPμ CTHPμPePsPjPμPSPfCfC"C,CHbCTClI PrP»ClI
P»C-PeCfPIP°PSPSClI P¶C-PSPsPe CTHPμPiCTHPsPrCfPeC,PēPIPSPsPiPs PIC-PeCf, ClIPeC- PSPμ
PePsCTHPeCTC,CfCTH,CHbCTClI P·P°CTfPsP±P°PjPe PePsPSC,CTHP°C†PμPiC†C-C—.

P"PsPrCzPIP°PSPSClI PiCTHCzPrPrCTH.

PkPμPIC-PrPsPjPs, C±Pe PiCTHPsPSPePeP°C" PμP»CHbC,CTHPsPjP±PsPiP°Pi P°P±Ps PNēPsPiPs
PjPμC,P°P±PsP»C-C,Pe Cf PiCTCfPrPSPμ PjPsP»PsPePs P»CTHPrPePSPe. P—P° PrP°PSPePjPe
PrPsCTP»C-PrP¶PμPSCb PSP° C,PIP°CTHPePSP°C..., PμP»CHbC,CTHPsPjP±PsPiP°Pi
PiCTHPsPSPePeP°C" Cf PiCTCfPrPSPμ PjPsP»PsPePs, C,PsPjCf PSPμ PjPsP¶PSP°
PIPePeP»CTH±PeC,Pe CTHPeP·PePe PrP»ClI PSPμPjPsPIP»ClI,Pe. PŸP»C-Pr PIPeCTHC-CēPeC,Pe
PiPeC,P°PSPSClI PiCTHPs PiCTHPePiPePSPμPSPSClI PiPsPrCfPIP°PSPSClI PiCTCfPrPrCTH P°P±Ps
CfC,CTHPePjP°PSPSClI PIC-Pr P»C-PeCfPIP°PSPSClI P·P»CHbC,CTHPsPjP±PsPiP°PiPsPj-
P'C-CTC,PsCTH, P·PIP°P¶P°CTH±Pe PSP° PsC±C-PeCfPIP°PSCf PePsCTHPeCTC,CHb PIC-Pr
P»C-PeCfPIP°PSPSClI PrP»ClI PjP°C,PμCTHC- C- PiPsC,PμPSC†C-PNēPSPePNē CTHPeP·PePe PrP»ClI
PrPeC,PēPSPe.

PαPμCTHC,PēP»CHbPSC-CTC,CHb.

P PμPiCTHPsPrCfPeC,PēPIPSP° C,,CfPSPeC†C-ClI ClP°PjPsPe C- ClP°PjC†C-PI C%oCfCTHC-PI
PiCTHPe P·P°CTC,PsCTCfPIP°PSPSC- C—Pj PrPsP· PiCTHPμPiP°CTHP°C,Cf,
PiPsCTHC-PIPSClIPSPPeC... P· PrPsP·P°PjPe PμP»CHbC,CTHPsPjP±PsPiP°PiCf PrP»ClI
P»CTHPrPePSPe, PSPμ P·P°P·PSP°P»P° PIPiP»PePICf. PhPrPSP°Pe CTHPeP·PePe PrP»ClI
P»CTHPrPePSPe PSPμ PjPsP¶Pμ P±CfC,Pe PiPsPIPS-CTC,CTH PIPePeP»CTH±PμPSPePNē.

*P—PrP°C,PSC-CTC,CHb PIPiP»PePIP°C,Pe PSP° CēPIPePrPeC-CTC,CHb CTHPμP°PeC†C-C— PiCTHPe
PePμCTHCzPIP°PSPSC- P°PIC,PsC,CTHP°PSCfPiPsCTHC,PsPj P°P±Ps C-PSCēPePjPe
PjPμC...P°PSC-P·PjP°PjPe.*

$P_{\text{Hb}}P_{\text{S}}P_{\text{SC}}-C, P_{\text{S}}C_{\text{H}}P_{\text{P}}P_{\text{S}}P_{\text{I}} C, P^{\circ} P_{\text{e}}P_{\text{S}}C_{\text{H}}P_{\text{P}}P_{\text{e}}P_{\text{I}}C_{\text{I}}P_{\text{I}}P^{\circ}P_{\text{S}}P_{\text{SC}}P_{\text{I}} P_{\text{r}}P_{\text{S}}P\cdot C_{\text{I}}P_{\text{I}}P^{\circ}P_{\text{S}}P_{\text{SC}}P_{\text{I}}.$

$P_{\text{H}}C-C_{\text{I}}P_{\text{P}}\gg C_{\text{I}} P_{\text{I}}P_{\text{S}}C_{\text{I}}P^{\circ}C, P_{\text{e}}C_{\text{r}} P\gg C-P_{\text{e}}C_{\text{r}}P_{\text{I}}P^{\circ}P_{\text{S}}P_{\text{SC}}P_{\text{I}} P_{\text{H}}P\gg C_{\text{H}}C, C_{\text{H}}P_{\text{S}}P_{\text{J}}P\pm P_{\text{S}}P_{\text{I}}P^{\circ}P_{\text{I}}P_{\text{S}}P_{\text{J}} P_{\text{r}}P_{\text{S}}P\cdot C_{\text{r}} P_{\text{I}}P_{\text{S}}C, C_{\text{H}}C-P\pm P_{\text{S}}P_{\text{S}} P_{\text{e}}P_{\text{S}}C_{\text{H}}P_{\text{P}}P_{\text{e}}P_{\text{I}}C_{\text{r}}P_{\text{I}}P^{\circ}C, P_{\text{e}} C, P^{\circ}P_{\text{e}}, C\%_{\text{O}}P_{\text{S}}P\pm P_{\text{r}}P_{\text{S}}C_{\text{I}}C_{\text{I}}P_{\text{I}}P_{\text{S}}C_{\text{r}}C, P_{\text{e}} C_{\text{H}}C-P_{\text{I}}P_{\text{S}}C_{\text{I}} C, C_{\text{H}}P_{\text{S}}P_{\text{J}}P\pm P_{\text{S}}C_{\text{I}}P_{\text{e}}C, C-PI $\geq 50000/P_{\text{J}}P_{\text{e}}P\gg C, P^{\circ} P_{\text{I}}C-P_{\text{r}}C, C_{\text{H}}P_{\text{e}}P_{\text{J}}C_{\text{r}}P_{\text{I}}P^{\circ}C, P_{\text{e}} P_{\text{N}}P_{\text{S}}P_{\text{I}}P_{\text{S}} P_{\text{r}}P\gg C_{\text{I}} P\cdot P_{\text{J}}P_{\text{H}}P_{\text{S}}C_{\text{e}}P_{\text{H}}P_{\text{S}}P_{\text{SC}}P_{\text{I}} C_{\text{H}}P_{\text{e}}P\cdot P_{\text{e}}P_{\text{e}}C_{\text{r}} P_{\text{I}}P_{\text{e}}P_{\text{S}}P_{\text{e}}P_{\text{S}}P_{\text{H}}P_{\text{S}}P_{\text{SC}}P_{\text{I}} P_{\text{e}}C_{\text{H}}P_{\text{S}}P_{\text{I}}P_{\text{S}}C, P_{\text{H}}C_{\text{I}}. P_{\text{K}}P_{\text{H}} C_{\text{I}}P_{\text{P}}\gg C-P_{\text{r}} P_{\text{I}}P_{\text{H}}C_{\text{H}}P_{\text{H}}P_{\text{I}}P_{\text{e}}C\%_{\text{O}}C_{\text{r}}P_{\text{I}}P^{\circ}C, P_{\text{e}} P_{\text{r}}P_{\text{S}}P\cdot C_{\text{r}} 75 P_{\text{J}}P_{\text{I}} P_{\text{S}}P^{\circ} P_{\text{r}}P_{\text{S}}P\pm C_{\text{r}}.$$

$P' C...P_{\text{S}}P_{\text{r}}C- P\gg C-P_{\text{e}}C_{\text{r}}P_{\text{I}}P^{\circ}P_{\text{S}}P_{\text{SC}}P_{\text{I}} P_{\text{H}}P\gg C_{\text{H}}C, C_{\text{H}}P_{\text{S}}P_{\text{J}}P\pm P_{\text{S}}P_{\text{I}}P^{\circ}P_{\text{I}}P_{\text{S}}P_{\text{J}} P_{\text{S}}P_{\text{H}}P_{\text{S}}P\pm C...C-P_{\text{r}}P_{\text{S}}P_{\text{S}} C_{\text{H}}P_{\text{H}}P_{\text{I}}C_{\text{r}}P_{\text{P}}\gg C_{\text{I}}C_{\text{H}}P_{\text{S}}P_{\text{S}} P_{\text{e}}P_{\text{S}}P_{\text{SC}}, C_{\text{H}}P_{\text{S}}P\gg C_{\text{H}}P_{\text{I}}P^{\circ}C, P_{\text{e}} P_{\text{I}}P_{\text{H}}C_{\text{I}}C-P_{\text{S}}P_{\text{e}}P_{\text{S}}P_{\text{I}}C- C,, C_{\text{r}}P_{\text{S}}P_{\text{e}}C_{\text{I}}C-P_{\text{S}}P_{\text{S}}P^{\circ}P\gg C_{\text{H}}P_{\text{S}}C- C, P_{\text{H}}C_{\text{I}}C, P_{\text{e}} C- P_{\text{I}}P_{\text{H}}P_{\text{J}}P^{\circ}C, P_{\text{S}}P\gg P_{\text{S}}P_{\text{I}}C-C_{\text{I}}P_{\text{S}}C- P_{\text{I}}P_{\text{S}}P_{\text{e}}P^{\circ}P\cdot P_{\text{S}}P_{\text{e}}P_{\text{e}}P_{\text{e}} C, P^{\circ} P_{\text{e}}P_{\text{S}}C_{\text{H}}P_{\text{P}}P_{\text{e}}P_{\text{I}}C_{\text{r}}P_{\text{I}}P^{\circ}C, P_{\text{e}} P_{\text{r}}P_{\text{S}}P\cdot C_{\text{r}} P_{\text{H}}P\gg C_{\text{H}}C, C_{\text{H}}P_{\text{S}}P_{\text{J}}P\pm P_{\text{S}}P_{\text{I}}P^{\circ}P_{\text{I}}C_{\text{r}} P\cdot P^{\circ}P\gg P_{\text{H}}P_{\text{I}}P_{\text{S}}P_{\text{S}} P_{\text{I}}C-P_{\text{r}} C_{\text{H}}C-P_{\text{I}}P_{\text{S}}C_{\text{I}} C, C_{\text{H}}P_{\text{S}}P_{\text{J}}P\pm P_{\text{S}}C_{\text{I}}P_{\text{e}}C, C-PI, C_{\text{I}}P_{\text{e}} P_{\text{S}}P^{\circ}P_{\text{I}}P_{\text{H}}P_{\text{r}}P_{\text{H}}P_{\text{S}}P_{\text{S}} C_{\text{r}} C, P^{\circ}P\pm P\gg P_{\text{e}}C_{\text{I}}C- 3. P P_{\text{S}}P\cdot P_{\text{I}}P_{\text{S}}C_{\text{H}}P_{\text{S}}C_{\text{r}}C, P_{\text{e}}P_{\text{N}} P^{\circ}P_{\text{S}}P^{\circ}P\gg C-P\cdot P_{\text{e}}C_{\text{H}}P_{\text{S}}P_{\text{I}}C-, P_{\text{I}}P_{\text{e}}P\gg C_{\text{H}}C_{\text{I}}P^{\circ}C_{\text{H}}C_{\text{I}}P_{\text{e}} P_{\text{I}}C-P_{\text{r}}C_{\text{H}}P^{\circ}C...C_{\text{r}}P_{\text{S}}P_{\text{e}} P_{\text{e}}C-P\gg C_{\text{H}}P_{\text{e}}P_{\text{S}}C_{\text{I}}C, C- C, C_{\text{H}}P_{\text{S}}P_{\text{J}}P\pm P_{\text{S}}C_{\text{I}}P_{\text{e}}C, C-PI C, P^{\circ} P_{\text{J}}P^{\circ}P\cdot P_{\text{S}}P_{\text{e}} P_{\text{I}}P_{\text{H}}C_{\text{H}}P_{\text{e}}C,, P_{\text{H}}C_{\text{H}}P_{\text{e}}C_{\text{I}}P_{\text{S}}P_{\text{S}}C- P_{\text{e}}C_{\text{H}}P_{\text{S}}P_{\text{I}}C-, P_{\text{I}}P_{\text{S}}C, C_{\text{H}}C-P\pm P_{\text{S}}P_{\text{S}} P_{\text{I}}C_{\text{H}}P_{\text{S}}P_{\text{I}}P_{\text{S}}P_{\text{r}}P_{\text{e}}C, P_{\text{e}} C\%_{\text{O}}P_{\text{S}}C, P_{\text{e}}P_{\text{I}}P_{\text{S}}C_{\text{I}} P_{\text{r}}P_{\text{S}} P_{\text{I}}C_{\text{I}}C, P^{\circ}P_{\text{S}}P_{\text{S}}P_{\text{I}}P\gg P_{\text{H}}P_{\text{S}}P_{\text{SC}}P_{\text{I}} C_{\text{I}}C, P^{\circ}P\gg P_{\text{S}}P_{\text{I}}P_{\text{S}} C_{\text{H}}C-P_{\text{I}}P_{\text{S}}C_{\text{I}} C, C_{\text{H}}P_{\text{S}}P_{\text{J}}P\pm P_{\text{S}}C_{\text{I}}P_{\text{e}}C, C-PI ($\geq 50000/P_{\text{J}}P_{\text{e}}P\gg C\%_{\text{O}}P_{\text{S}}P_{\text{S}}P^{\circ}P_{\text{N}}P_{\text{J}}P_{\text{H}}P_{\text{S}}C_{\text{e}}P_{\text{H}} P_{\text{I}}P_{\text{I}}C_{\text{H}}P_{\text{S}}P_{\text{r}}P_{\text{S}}P_{\text{I}}P_{\text{I}} 4 C, P_{\text{e}}P_{\text{I}}P_{\text{S}}C-PI). P_{\text{H}}C-C_{\text{I}}P_{\text{P}}\gg C_{\text{I}} C_{\text{I}}C_{\text{H}}P_{\text{S}}P_{\text{I}}P_{\text{S}} C_{\text{H}}P_{\text{S}}P\cdot P_{\text{I}}P_{\text{S}}C_{\text{H}}P_{\text{S}}C_{\text{r}}C, P_{\text{e}}P_{\text{N}} P^{\circ}P_{\text{S}}P^{\circ}P\gg C-P\cdot P_{\text{e}}C_{\text{H}}P_{\text{S}}P_{\text{I}}C- P_{\text{I}}C_{\text{H}}P_{\text{S}}P_{\text{I}}P_{\text{S}}P_{\text{r}}P_{\text{e}}C, C_{\text{H}}C_{\text{I}}C_{\text{I}} C\%_{\text{O}}P_{\text{S}}P_{\text{J}}C-C_{\text{I}}C_{\text{I}}C_{\text{I}}C_{\text{I}}C_{\text{I}}.$$

$P-P^{\circ}C_{\text{I}}C, P_{\text{S}}C_{\text{I}}P_{\text{S}}P_{\text{I}}C_{\text{r}}C''C, C_{\text{H}}C_{\text{I}}C_{\text{I}} P_{\text{S}}P^{\circ}P_{\text{N}}P_{\text{J}}P_{\text{H}}P_{\text{S}}C_{\text{e}}P^{\circ} P_{\text{H}}C,, P_{\text{H}}P_{\text{e}}C, P_{\text{e}}P_{\text{I}}P_{\text{S}}P^{\circ} P_{\text{r}}P_{\text{S}}P\cdot P^{\circ} P\gg C-P_{\text{e}}P^{\circ}C_{\text{H}}C_{\text{I}}C_{\text{H}}P_{\text{e}}P_{\text{S}}P_{\text{I}}P_{\text{S}} P\cdot P^{\circ}C_{\text{I}}P_{\text{S}}P\pm C_{\text{r}} P_{\text{r}}P\gg C_{\text{I}} P_{\text{I}}C-P_{\text{r}}C, C_{\text{H}}P_{\text{e}}P_{\text{J}}P_{\text{e}}P_{\text{e}} P_{\text{S}}P_{\text{H}}P_{\text{S}}P\pm C...C-P_{\text{r}}P_{\text{S}}P_{\text{S}}P_{\text{I}}P_{\text{S}} C_{\text{H}}C-P_{\text{I}}P_{\text{S}}C_{\text{I}} C, C_{\text{H}}P_{\text{S}}P_{\text{J}}P\pm P_{\text{S}}C_{\text{I}}P_{\text{e}}C, C-PI.$

$P_{\text{Y}}P^{\circ}P\pm P\gg P_{\text{e}}C_{\text{I}}C_{\text{I}} 3$

$P_{\text{H}}P_{\text{S}}C_{\text{H}}P_{\text{H}}P_{\text{e}}C_{\text{I}}C-C_{\text{I}} P_{\text{r}}P_{\text{S}}P\cdot P_{\text{e}} P_{\text{H}}P\gg C_{\text{H}}C, C_{\text{H}}P_{\text{S}}P_{\text{J}}P\pm P_{\text{S}}P_{\text{I}}P^{\circ}P_{\text{I}}C_{\text{r}} P_{\text{r}}P\gg C_{\text{I}} P_{\text{I}}P^{\circ}C_{\text{I}}C-C''P_{\text{S}}C, C-PI P\cdot P_{\text{I}}P_{\text{Y}}P_{\text{H}}$

$P_{\text{H}}C-P\gg C_{\text{H}}P_{\text{e}}C-C_{\text{I}}C, C_{\text{H}} C, C_{\text{H}}P_{\text{S}}P_{\text{J}}P\pm P_{\text{S}}C_{\text{I}}P_{\text{e}}C, C-PI$	$P''P_{\text{S}}P\cdot P^{\circ}$
$< 50000/P_{\text{J}}P_{\text{e}}P\gg P_{\text{I}}C-C_{\text{I}}P_{\text{P}}\gg C_{\text{I}} C\%_{\text{O}}P_{\text{S}}P_{\text{S}}P^{\circ}P_{\text{N}}P_{\text{J}}P_{\text{H}}P_{\text{S}}C_{\text{e}}P_{\text{H}} 2 C, P_{\text{e}}P_{\text{I}}P_{\text{S}}C-PI C, P_{\text{H}}C_{\text{H}}P^{\circ}P_{\text{I}}C-C-$	$P-P\pm C-P\gg C_{\text{H}}C_{\text{e}}P_{\text{e}}C, P_{\text{e}} P_{\text{r}}P_{\text{S}}P\pm P_{\text{S}}P_{\text{I}}C_{\text{r}} P_{\text{r}}P_{\text{S}}P\cdot C_{\text{r}} P_{\text{S}}P^{\circ} 25 P_{\text{J}}P_{\text{I}} P_{\text{r}}P_{\text{S}} P_{\text{r}}P_{\text{S}}C_{\text{I}}C_{\text{I}}P_{\text{I}}P_{\text{S}}P_{\text{H}}P_{\text{S}}P_{\text{SC}}P_{\text{I}} P_{\text{J}}P^{\circ}P_{\text{e}}C_{\text{I}}P_{\text{e}}P_{\text{J}}P^{\circ}P\gg C_{\text{H}}P_{\text{S}}P_{\text{S}}C- P_{\text{r}}P_{\text{S}}P\cdot P_{\text{e}} 75 P_{\text{J}}P_{\text{I}} P_{\text{S}}P^{\circ} P_{\text{r}}P_{\text{S}}P\pm C_{\text{r}}.*$
$\geq 50000/P_{\text{J}}P_{\text{e}}P\gg C, P^{\circ} \leq 150000/P_{\text{J}}P_{\text{e}}P\gg$	$P-P^{\circ}C_{\text{I}}C, P_{\text{S}}C_{\text{I}}P_{\text{S}}P_{\text{I}}C_{\text{r}}P_{\text{I}}P^{\circ}C, P_{\text{e}} P_{\text{S}}P^{\circ}P_{\text{N}}P_{\text{J}}P_{\text{H}}P_{\text{S}}C_{\text{e}}C_{\text{r}} P_{\text{H}}C,, P_{\text{H}}P_{\text{e}}C, P_{\text{e}}P_{\text{I}}P_{\text{S}}C_{\text{r}} P_{\text{r}}P_{\text{S}}P\cdot C_{\text{r}} P_{\text{H}}P\gg C_{\text{H}}C, C_{\text{H}}P_{\text{S}}P_{\text{J}}P\pm P_{\text{S}}P_{\text{I}}P^{\circ}P_{\text{I}}C_{\text{r}} C, P^{\circ}/P^{\circ}P\pm P_{\text{S}} C_{\text{I}}C_{\text{r}}P_{\text{I}}C_{\text{r}}C, P_{\text{S}}C_{\text{H}}P_{\text{S}}P_{\text{I}}P_{\text{S}} P_{\text{I}}C_{\text{H}}P_{\text{H}}P_{\text{I}}P^{\circ}C_{\text{H}}P^{\circ}C, C_{\text{r}} P_{\text{r}}P\gg C_{\text{I}} P\gg C-P_{\text{e}}C_{\text{r}}P_{\text{I}}P^{\circ}P_{\text{S}}P_{\text{SC}}P_{\text{I}} P_{\text{I}}P_{\text{Y}}P_{\text{H}} P_{\text{r}}P\gg C_{\text{I}} P_{\text{I}}C-P_{\text{r}}C, C_{\text{H}}P_{\text{e}}P_{\text{J}}P_{\text{e}}P_{\text{e}} C_{\text{H}}C-P_{\text{I}}P_{\text{S}}C_{\text{I}} C, C_{\text{H}}P_{\text{S}}P_{\text{J}}P\pm P_{\text{S}}C_{\text{I}}P_{\text{e}}C, C-PI, C\%_{\text{O}}P_{\text{S}} P\cdot P^{\circ}P_{\text{I}}P_{\text{S}}P\pm C-P_{\text{I}}P^{\circ}C'' P_{\text{e}}C_{\text{H}}P_{\text{S}}P_{\text{I}}P_{\text{S}}C, P_{\text{H}}C_{\text{I}}C- P^{\circ}P\pm P_{\text{S}} P\cdot P_{\text{J}}P_{\text{H}}P_{\text{S}}C_{\text{e}}C_{\text{r}}C'' C-C-.$
$> 150000/P_{\text{J}}P_{\text{e}}P\gg C, P^{\circ} \leq 250000/P_{\text{J}}P_{\text{e}}P\gg$	$P-P_{\text{J}}P_{\text{H}}P_{\text{S}}C_{\text{e}}P_{\text{e}}C, P_{\text{e}} P_{\text{r}}P_{\text{S}}P\pm P_{\text{S}}P_{\text{I}}C_{\text{r}} P_{\text{r}}P_{\text{S}}P\cdot C_{\text{r}} P_{\text{S}}P^{\circ} 25 P_{\text{J}}P_{\text{I}}. P-P^{\circ}C_{\text{I}}P_{\text{H}}P_{\text{e}}P^{\circ}C, P_{\text{e}} 2 C, P_{\text{e}}P_{\text{I}}P_{\text{S}}C- P_{\text{r}}P\gg C_{\text{I}} P_{\text{S}}C_{\text{I}}C-P_{\text{S}}P_{\text{e}}P_{\text{e}} P_{\text{H}}C,, P_{\text{H}}P_{\text{e}}C, C_{\text{r}} P_{\text{I}}C-P_{\text{r}} C_{\text{I}}C_{\text{H}}P_{\text{S}}P_{\text{I}}P_{\text{S}} C, P^{\circ} P_{\text{I}}P_{\text{S}}P_{\text{r}}P^{\circ}P\gg C_{\text{H}}C_{\text{e}}P_{\text{S}}P_{\text{I}}P_{\text{S}} P_{\text{I}}C-P_{\text{r}}P_{\text{I}}P_{\text{S}}P_{\text{I}}C-P_{\text{r}}P_{\text{S}}P_{\text{S}}P_{\text{I}}P_{\text{S}} P_{\text{e}}P_{\text{S}}C_{\text{H}}P_{\text{P}}P_{\text{e}}P_{\text{I}}C_{\text{r}}P_{\text{I}}P^{\circ}P_{\text{S}}P_{\text{SC}}P_{\text{I}} P_{\text{r}}P_{\text{S}}P\cdot P_{\text{e}}**.$

> 250000/PjPeP»	PμCḡPēPīPēPSPēC,Pē P·P°CíC,PsCíCíPīP°PSPSCī PμP»CHC,CḡPsPjP±PsPīP°PīCí, P·P±C-P»CHCēPēC,Pē C±P°CíC,PsC,Cí PīC-PrCḡP°C...CíPSPeCí C,CḡPsPjP±PsC†PēC,C-PI PrPs 2 CḡP°P·C-PI PSP° C,PēP¶PrPμPSCḡ. PμCḡPē CḡC-PIPSC- C,CḡPsPjP±PsC†PēC,C-PI ≤ 100000/PjPeP» PīPsPIC,PsCḡPSPs PīCḡPēP·PSP°C±PēC,Pē PμP»CHC,CḡPsPjP±PsPīP°Pī Cí P·PjPμPSCēPμPSC-PNē PSP° 25 PjPi PrPsP±PsPIC-PNē PrPsP·C-.
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* P”P»Cī PīP°C†C-C”PSC,C-PI, CīPeC- PsC,CḡPēPjCíCḡC,CH C,PμCḡP°PīC-Cḡ
PμP»CHC,CḡPsPjP±PsPīP°PīPsPj Cí PrPsP·C- 25 PjPi 1 CḡP°P· C±PμCḡPμP· PrPsP±Cí,
PīC-PrPīPēC%oCíPīP°C,Pē PrPsP·Cí PrPs 25 PjPi 1 CḡP°P· PSP° PrPsP±Cí.

** P”P»Cī PīP°C†C-C”PSC,C-PI, CīPeC- PsC,CḡPēPjCíCḡC,CH C,PμCḡP°PīC-Cḡ
PμP»CHC,CḡPsPjP±PsPīP°PīPsPj Cí PrPsP·C- 25 PjPi 1 CḡP°P· PSP° PrPsP±Cí, CíP»C-Pr
CíPīCḡPsP±CíPīP°C,Pē PIC-PrPSPsPīPēC,Pē P»C-PeCíPīP°PSPSCī Cí PrPsP·C- 25 PjPi
C±PμCḡPμP· PrPsP±Cí.

P·P»CHC,CḡPsPjP±PsPīP°Pī PjPsP¶PSP° P·P°CíC,PsCíPsPICíPīP°C,Pē PrPsPrP°C,PePsPīPs PrPs
C-PSCēPēC... P»C-PeP°CḡCíCḡPePēC... P·P°CíPsP±C-PI PrP»Cī P»C-PeCíPīP°PSPSCī P†PŷPμ.
P’C-PrPīPsPIC-PrPSPs PrPs PeP»C-PSC-C±PSPsPīPs CíC,P°PSCí CíP»C-Pr
PePsCḡPēPīCíPīP°C,Pē PrPsP·Cí CíCíPīCíC,PSC-C... P»C-PeP°CḡCíCḡPePēC... P·P°CíPsP±C-PI
PrP»Cī P»C-PeCíPīP°PSPSCī P†PŷPμ P· PjPμC,PsCḡ CíPSPēPePSPμPSPSCī
PSP°PrPjC-CḡPSPsPīPs P·P±C-P»CHCēPμPSPSCī PeC-P»CHPePsCíC,C-
C,CḡPsPjP±PsC†PēC,C-PI PI C...PsPrC- P»C-PeCíPīP°PSPSCī PμP»CHC,CḡPsPjP±PsPīP°PīPsPj.

PμPμCḡPμPr PePsP¶PSPēPj PSPsPīPēPj PePsCḡPēPīCíPīP°PSPSCīPj PrPsP·Pē CíP»C-Pr
P·P°C±PμPeP°C,Pē C%oPsPSP°PNēPjPμPSCēPμ 2 C,PēP¶PSC- PīC-CíP»Cī
PīPsPīPμCḡPμPrPSCḡPsPīPs PePsCḡPēPīCíPīP°PSPSCī PrPsP·Pē PrP»Cī C,PsPīPs, C%oPsP±
PīPsP±P°C±PēC,Pē PIC-PrPīPsPIC-PrCḡ C,CḡPsPjP±PsC†PēC,C-PI PīP°C†C-C”PSC,P° PSP°
P»C-PeCíPīP°PSPSCī.

PŷC,P°PSPPrP°CḡC,PSPsCḡ PeC-P»CHPeC-CíC,Cḡ PμP»CHC,CḡPsPjP±PsPīP°PīCí PrP»Cī
P·P±C-P»CHCēPμPSPSCī P°P±Ps P·PjPμPSCēPμPSPSCī PrPsP±PsPīPsC— PrPsP·Pē C” 25 PjPi
PSP° PrPsP±Cí.

PμCḡPēPīPēPSPμPSPSCī P»C-PeCíPīP°PSPSCī.

P—P°CíC,PsCíCíPīP°PSPSCī PμP»CHC,CḡPsPjP±PsPīP°PīCí CíP»C-Pr PīCḡPēPīPēPSPēC,Pē,
CīPeC%oPs CḡC-PIPμPSCḡ C,CḡPsPjP±PsC†PēC,C-PI PSPμ PīC-PrPīPēC%oPēPICíCī PrPs
CḡC-PIPSCī, PrPsCíC,P°C,PSCHPsPīPs PrP»Cī CíPSPēPePSPμPSPSCī PeP»C-PSC-C±PSPs
P·PSP°C±CíC%oPsC— PeCḡPsPīPsC,PμC±C-, PīC-CíP»Cī 4 C,PēP¶PSC-PI P»C-PeCíPīP°PSPSCī
PμP»CHC,CḡPsPjP±PsPīP°PīPsPj Cí PrPsP·C- 75 PjPi 1 CḡP°P· PSP° PrPsP±Cí.

PμPμCḡC-PsPrPēC±PSPs PīPsC,CḡC-P±PSPs PīCḡPsPīPsPrPēC,Pē PeP»C-PSC-C±PSPμ
PsP±CíC,PμP¶PμPSPSCī PīP°C†C-C”PSC,P° C,P° PīCḡPēPNēPjP°C,Pē CḡC-CēPμPSPSCī PīCḡPs
PīCḡPsPrPsPīP¶PμPSPSCī P»C-PeCíPīP°PSPSCī PSP° C-PSPPrPēPIC-PrCíP°P»CHPSC-PNē
PsCíPSPsPIC-. Pj PīP°C†C-C”PSC,C-PI P· C-PSC,P°PeC,PSPsCḡ CíPμP»PμP·C-PSPePsCḡ
CíP»C-Pr PsC†C-PSPēC,Pē PjPsP¶P»PēPIC-CíC,CH PīCḡPsPīPμPrPμPSPSCī
CíPīP»PμPSPμPeC,PsPjC-C—. PμC-CíP»Cī PīCḡPēPīPēPSPμPSPSCī P»C-PeCíPīP°PSPSCī
PjPsP¶P»PēPīP° PīPsPIC,PsCḡPSP° PīPsCīPīP° C,CḡPsPjP±PsC†PēC,PsPīPμPSC-C—.

*P>C-PeCáPIP°PSPSCII C,CḡPsPjP±PsC†PëC,PsPiPμPSC-C— Cá PrPsCḡPsCÍP»PëC...
PiP°C†C-C" PSC,C-PI C-P· C...CḡPsPSC-C†PSPëPj P'P" PŸ.*

PμCḡPë P·P°CÍC,PsCÍC†PIP°PSPSC- PμP»CHC,CḡPsPjP±PsPiP°PiC† C† PePsPjP±C-PSP°C†C-C—
P· PiCḡPsC,PëPIC-CḡC†CÍPSPëPjPë PiCḡPμPiP°CḡP°C,P°PjPë CÍP»C-Pr P·PIPμCḡPSC†C,PëCÍCII
PrPs C-PSCÍC,CḡC†PeC†C-C— P· PjPμPrPëC†PSPsPiPs P·P°CÍC,PsCÍC†PIP°PSPSCII C†PëC...
PiCḡPμPiP°CḡP°C,C-PI.

PJ PeP»C-PSC-C†PSPëC... PrPsCÍP»C-PrP¶PμPSPSCII C... P·P±C-P»CHC€PμPSPSCII
PeC-P»CHPePsCÍC,C- C,CḡPsPjP±PsC†PëC,C-PI P·P°PiP°P»PsPj
CÍPiPsCÍC,PμCḡC-PiP°P»PsCÍCII PIPiCḡPsPrPsPIP¶ 1 C,PëP¶PSCII PiC-CÍP»CII PiPsC†P°C,PeC†
P»C-PeC†PIP°PSPSCII PμP»CHC,CḡPsPjP±PsPiP°PiPsPj. PḡPμC,PsCḡ P»C-PeC†PIP°PSPSCII
PiPsPIPëPSPSPs P±C†C,Pë PrPsCÍCII PiPSPμPSPSCII PjC-PSC-PjP°P»CHPSPsC—
PSPμPsP±C...C-PrPSPsC— PeC-P»CHPePsCÍC,C- C,CḡPsPjP±PsC†PëC,C-PI PrP»CII
PiPsC†P°C,PeC† PiCḡPsC,PëPIC-CḡC†CÍPSPsC— C,PμCḡP°PiC-C—. P' C...PsPrC-
PiCḡPsC,PëPIC-CḡC†CÍPSPsC— C,PμCḡP°PiC-C— PjPμC,PsCḡ P»C-PeC†PIP°PSPSCII
PiPsPIPëPSPSP° P±C†C,Pë PiC-PrC,CḡPëPjPeP° PeC-P»CHPePsCÍC,C- C,CḡPsPjP±PsC†PëC,C-PI
PSP° CḡC-PIPS- , C%Ps P·P°PiPsP±C-PiP°C" PIPëPSPëPePSPμPSPSCḡ PeCḡPsPiPsC,PμC† Bḡ"
P·PIPëC†P°PNëPSPs C†Pμ 50000Bḡ"75000/PjPeP». P C-PIPSCII C,CḡPsPjP±PsC†PëC,C-PI
> 75000/PjPeP» CÍP»C-Pr C†PSPëPeP°C,Pë. P—P°CÍC,PsCÍC†PIC†C"C,CHCÍCII
PSP°PNëPjPμPSC€P° PμC,,PμPeC,PëPIPSP° PrPsP·P° PμP»CHC,CḡPsPjP±PsPiP°PiC† PrP»CII
PrPsCÍCII PiPSPμPSPSCII C,P° PiC-PrC,CḡPëPjPePë PeC-P»CHPePsCÍC,C-
C,CḡPsPjP±PsC†PëC,C-PI, C%Ps PSPμPsP±C...C-PrPSP° PrP»CII PiPsC†P°C,PeC† C,P°
PsPiC,PëPjC-P·P°C†C-C— PiCḡPsC,PëPIC-CḡC†CÍPSPsC— C,PμCḡP°PiC-C—. PμC-PrP±C-Cḡ
PrPsP· P±P°P·C†C"C,CHCÍCII PSP° PIC-PrPSPsPIP»PμPSPSC- PeC-P»CHPePsCÍC,C-
C,CḡPsPjP±PsC†PëC,C-PI.

PμPsC†P°C,PePsPIP° PrPsP·P°.

PμPsC†P°C,PePsPIP° PrPsP·P° P»C-PeP°CḡC†CHPePsPiPs P·P°CÍC†PsP±C† CÍPeP»P°PrP°C" 25 PjPi
1 CḡP°P· PSP° PrPsP±C†. PḡPμ PiPsC,CḡC-P±PSPs P·PjC-PSCḡPIP°C,Pë PrPsP·C†
PiP°C†C-C" PSC,P°Pj CÍC...C-PrPSPs/PiC-PIPrPμPSPSPs-CÍC...C-PrPSPs-P°P·C-PNëCÍCHPePsPiPs
PiPsC...PsPrP¶PμPSPSCII P°P±Ps PiP°C†C-C" PSC,P°Pj C-P· P»PμPiPePëPj
PiPsCḡC†C€PμPSPSCII Pj C,,C†PSPeC†C-C— PiPμC†C-PSPePë.

PḡPsPSC-C,PsCḡPëPSPi C,P° PePsCḡPëPiCáPIP°PSPSCII PrPsP·Pë.

P"Ps·C† PμP»CHC,CḡPsPjP±PsPiP°PiC† P·P±C-P»CHC€C†CḡC,CH PSP° 25 PjPi PePsP¶PSC- 2
C,PëP¶PSC- PrPs PrPsCÍCII PiPSPμPSPSCII PeC-P»CHPePsCÍC,C- C,CḡPsPjP±PsC†PëC,C-PI,
PsPiC,PëPjP°P»CHPSPsC— PrP»CII PiPsC†P°C,PeC† PiCḡPsC,PëPIC-CḡC†CÍPSPsC—
C,PμCḡP°PiC-C—. PḡC-P»CHPeC-CÍC,CH C,CḡPsPjP±PsC†PëC,C-PI CÍP»C-Pr
PiPμCḡPμPIC-CḡCII C,Pë C%PsC,PëP¶PSCII PiPμCḡPμPr PiPsC†P°C,PePsPj
PiCḡPsC,PëPIC-CḡC†CÍPSPsC— C,PμCḡP°PiC-C—. PḡP° PiPsC†P°C,PeC†
PiCḡPsC,PëPIC-CḡC†CÍPSPsC— C,PμCḡP°PiC-C— PeC-P»CHPeC-CÍC,CH
C,CḡPsPjP±PsC†PëC,C-PI PjPsP¶Pμ P·PjPμPSC€PëC,PëCÍCH, C,PsPjC† PIC-PrCḡP°P·C†
PePsCḡPëPiC†PIP°C,Pë PrPsP·C† PSPμ CÍP»C-Pr (PrPëPI. C,P°P±P»PëC†Cḡ 3).

P' C...PsPrC- PiCḡPsC,PëPIC-CḡC†CÍPSPsC— C,PμCḡP°PiC-C— CÍP»C-Pr PePsCḡPëPiC†PIP°C,Pë
PrPsP·C† PμP»CHC,CḡPsPjP±PsPiP°PiC† C,P°PePëPj C†PëPSPsPj, C%PsP± C†PSPëPePSC†C,Pë
P·PjPμPSC€PμPSPSCII PrPsP·Pë PiPμPiC-PSC,PμCḡC,,PμCḡPsPSC†, PsCÍPeC-P»CHPePë
P·PjPμPSC€PμPSPSCII PeC-P»CHPePsCÍC,C- C,CḡPsPjP±PsC†PëC,C-PI P·P±C-P»CHC€C†C"
CḡPëP·PëPe PeCḡPsPiPsC,PμC† C† PiP°C†C-C" PSC,C-PI (PrPëPI. C,P°P±P»PëC†Cḡ 4).

РљС-Р»СНРсС-СГС,СН С,СНРсРјР±РсС†РсС,С-РІ СГР»С-Рr РсРсРсС,СНРсР»СНРІР°С,Рс С%РсС,РсР¶РсСІ РrРс РrРсСГСІРіРіРсРµРсРсСІ С—С... СГС,Р°Р±С-Р»СНРсРсРіРс СНС-РІРсСІ, Р·Р°Р·РІРсС†Р°Р№ С†Рµ 50000РјРсР». РќР°Р°Р°Р»С-С%РсРјС-СГСІС†СІ РсРµРсР±С...С-РrРсРс РіСНРсРіРсРrРсС,Рс РјРсРсС-С,РсСНРсРсРі Р·Р°РіР°Р»С»СНРсРсРіРс Р°РсР°С»С-Р·Ср РсСНРсРІС-, РІРсР»СНС†Р°СНС†Рс РсС-Р»СНРсС-СГС,СН С,СНРсРјР±РсС†РсС,С-РІ С,Р° РјР°Р·РсРс РіРµСНРсС,РµСНРсС†РсРсС— РсСНРсРІС-.

РŸР»С-Рr СНРсР·РіР»СІРсСГС,Рс РјРсР¶Р»РсРІС-СГС,СН С%РсРrРсР±РсРіРсРіРс Р·РјРµРсСРµРµРсРсСІ РrРсР·Рс РсР° 25 РјРі, СІРсС%Рс РсС-Р»СНРсС-СГС,СН С,СНРсРјР±РсС†РсС,С-РІ РіРµСНРµРіРіРіРсС%СГС” РсРµРсР±С...С-РrРсРсР№ СНС-РІРµРсС. Р¶РµСНРµР· С,РсР¶РсС- СГР»С-Рr РсС†С-РсРсС,Рс РµС,РµРс, РсРсРіРсС— РrРсР·Рс С,Р° РіСНРсР№РсСІС,Рс СНС-СРµРµРсРсСІ РіСНРс РіРсРrР°Р»С»СНССР РсССНРµС†С-СН РrРсР·Рс.

РќРµ СГР»С-Рr РіРµСНРµРіРіРіРсС%СГРІР°С,Рс РrРсР·Ср 100 РјРі РсР° РrРсР±Ср.

РŸР°Р±Р»РсС†СІ 4

РљРсСНРµС†С-СІ РrРсР·Рс РµР»С»СНС,СНРсРјР±РсРіРіР°РіР РrР»СІ РіР°С†С-С”РсС,С-РІ Р·С...СНРсРсС-С†РсРј РІС-СНСГРсРсРс РіРµРіР°С,РсС,РсРј РŸ РІ С...РсРrС- РіСНРсС,РсРІС-СНСГРсРсС— С,РµСНР°РіС-С—

РљС-Р»СНРсС-СГС,СН С,СНРсРјР±РсС†РсС,С-РІ	Р”РсР·СрРІР°РсРсСІ
< 50000/РјРсР» РіС-СГР»СІ С%РсРсР°Р№РјРµРсСРµРµРµ 2 С,РсР¶РсС-РІ С,РµСНР°РіС-С—	Р—Р±С-Р»СНСРсС,Рс РrРсР±РсРІСр РrРсР·Ср РсР° 25 РјРі, Р°Р» РсРµ Р±С-Р»СНСРµРµ 100 РјРі РсР° РrРсР±Ср.
≥ 50000/РјРсР» С,Р° ≤ 100000/РјРсР»	РќР°Р°РµРјРµРсСР° РrРсР·Р° РµР»С»СНС,СНРсРјР±РсРіРіР°РіР РіСр, С%Рс РrР°С” Р·РјРсРіСр СРсРсРсСГС,Рс Р·РјРµРсСРµРµРсРсСІ РrРсР·Рс РіРіРіРіС-РсС,РµСНРсС,РµСНРсРсС.
≥ 100000/РјРсР» С,Р° ≤ 150000/РјРсР»	Р—РјРµРсСРсС,Рс РrРсР±РсРІСр РrРсР·Ср РrРс 25 РјРі. Р¶РµСНРµР· 2 С,РсР¶РсС- РсС†С-РсРсС,Рс РµС,РµРс, РсРсРіРсС— РrРсР·Рс С,Р° РіСНРсР№РсСІС,Рс СНС-СРµРµРсРсСІ РіСНРс РіРсРrР°Р»С»СНСРµРµ РсССНРсРіРіРіРіРсРсРсСІ РrРсР·РсРс*.
> 150000/РјРсР»	РµСНРсРіРіРсРсРсС,Рс Р»С-РсСРІРІР°РсРсСІ РµР»С»СНС,СНРсРјР±РсРіРіР°РіР РіС-РrРіРсС%РсС,Рс С†Р°СГС,РсС,Ср РсРсРсС,СНРсР»СН РсС-Р»СНРсРсСГС,С-С,СНРсРјР±РсС†РсС,С-РІ РrРс 2 СНР°С-РІ РсР° С,РсР¶РсСРµРсС. РІРс С,С-Р»СНРсРс РсС-Р»СНРсС-СГС,СН С,СНРсРјР±РсС†РсС,С-РІ СГС,Р°РсРсРіРс,РсРјРµ ≤ 100000/ РјРсР», РІС-РrРсРсРіРс,Рс С,РµСНР°РіС-СН Ср РrРсР±РсРІС-Р№ РrРсР·С-, Р·РјРµРсСРµРµРсС-Р№ РсР° 25 РјРі**.

* РќР° РіРсС†Р°С,РсСр РіСНРсС,РсРІС-СНСГРсРсС— С,РµСНР°РіС-С— РсС-Р»СНРсС-СГС,СН С,СНРсРјР±РсС†РсС,С-РІ РјРсР¶РµРсС,РсСГС, С,РсРјСр РсРµРіРіР°Рі РсРсСНРсРіРіРіРіРс РсССНРсРіРіРіРіРс,Рс РrРсР·Ср РсРµ СГР»С-Рr.

** Р”Р»СІ РіР°С†С-С”РсС,С-РІ, СІРсС- РсС,СНРсРјСрСНС,СН С,РµСНР°РіС-СН РµР»С»СНС,СНРсРјР±РсРіРіРаРі РіР РrРсР·С- 25 РјРі 1 СНР°Р· РсР° РrРсР±Ср, СГР»С-Рr

СГРiСiСГPsP±СrPIP°С,Рё PIC-PrPSPsPIP»СГРiP°С,Рё Р»С-РeСrPIP°PSPSCЦ Cr PrPsP·C- 25 PjPi C±PµСГРµP· PrPsP±Сr.

РµСГРРёРiРёPSPµPSPSCЦ Р»С-РeСrPIP°PSPSCЦ.

PiPeC%Ps PiC-СГР»ЦЦ 2-С,РёР¶PSPµPIPsC— C,РµСГРР°PiC-С— РµP»СГР,СГРPsPjP±PsPiP°PiPsPj Cr PrPsP·C- 100 PjPi PSPµ P±СrP»Ps PrPsСГЦЦPiPSCrC,Ps PSPµPsP±C...C-PrPSPsPiPs СГРC-PIPSCЦ C,СГРPsPjP±PsC†PёC,C-PI PrP»ЦЦ PiPsC±P°С,РeСr PiСГРPsC,РёPIC-СГРCrСГРPSPC— C,РµСГРР°PiC-С—, Р·Р°СГРC,PsСГРCrPIP°PSPSCЦ РµP»СГР,СГРPsPjP±PsPiP°PiCr СГР»C-Pr PiСГРРёPiРёPSPёC,Рё.

Р¶РµСГРР°PiC-СГ РµP»СГР,СГРPsPjP±PsPiP°PiPsPj СГР»C-Pr PiСГРРёPiРёPSPёC,Рё, ЦЦPeC%Ps PiСГРРёPiРёPSCЦC”C,СГРСГЦЦ PiСГРPsC,РёPIC-СГРCrСГРPSP° C,РµСГРР°PiC-ЦЦ. РkР°PrPjC-СГРPSPёP№ СГРC-PIPµPSCГ C,СГРPsPjP±PsC†PёC,C-PI Р°P±Ps СГРРµСГРPNsP·PSC- PiPsСГCrC€РµPSPSCЦ PiPµC±C-PSPePsPIPёC... C,,СrPSPeC†C-PSPSP°P»СГРPSPёC... C,РµСГРC,C-PI C,Р°PePsP¶ PiPsC,СГРРµP±СrСГC,СГ PiСГРРёPiРёPSPµPSPSCЦ Р»C-РeСrPIP°PSPSCЦ.

РГРiP»Р°СГРC,РёC±PSP° Р°PSPµPjC-ЦЦ C,ЦЦP¶PePsPiPs СГРC,C±PiPµPSCЦ.

РµPsC±P°С,РePsPIP° PrPsP·Р°.

РµPsC±P°С,РePsPIP° PrPsP·Р° РµP»СГР,СГРPsPjP±PsPiP°PiCr СГРC,Р°PSPsPIPёC,СГ 50 PjPi 1 СГРР°P· PSP° PrPsP±Сr. Р”Р»ЦЦ PiP°C†C-С”PSC,C-PI СГРC...C-PrPSPs/PiC-PIPrPµPSPSPs- СГРC...C-PrPSPs-Р°P·C-Р№СГСГРPePsPiPs PiPsC...PsPrP¶PµPSPSCЦ PiСГРРёP№PsPj РµP»СГР,СГРPsPjP±PsPiP°PiCr СГР»C-Pr СГРPsP·PiPsC±PёPSP°С,Рё Р· PrPsP·Рё 25 PjPi 1 СГРР°P· PSP° PrPsP±Сr. Р»C-РeСrPIP°PSPSCЦ PSPµ СГР»C-Pr СГРPsP·PiPsC±PёPSP°С,Рё, ЦЦPeC%Ps PiP°C†C-С”PSC,Рё PjP°СГC,СГ PICrC,Р°PSPsPIP»РµPSC- C†PёC,PsPiPµPSPµC,РёC±PSC- PrPµC,,РµPeC,Рё C...СГРPsPjPsСГPsPjРё 7.

РГPsPSC-C,PsСГРРёPSPi C,Р° РePsСГРРёPiC±PIP°PSPSCЦ PrPsP·Рё.

Р”РµPjP°С,PsP»PsPiC-С±PSP° PIC-PrPiPsPIC-PrСГ PiPsC,СГРРµP±СrC” C,РёC,СГРCrPIP°PSPSCЦ PrPsP·Рё, Р·Р°P·PIPёC±P°P№ PrPs 150 PjPi, C- PjPsP¶Pµ Р·Р°P№PSCЦC,Рё PrPs 16 C,РёP¶PSC-PI Р· PiPsC±P°С,РeСr PiСГРРёP№PsPjCr РµP»СГР,СГРPsPjP±PsPiP°PiCr. Р”PsP·Cr РµP»СГР,СГРPsPjP±PsPiP°PiCr СГР»C-Pr РePsСГРРёPiCrPIP°С,Рё Р· РeСГРPsPePsPj 50 PjPi РePsP¶PSC- 2 C,РёP¶PSC- PrP»ЦЦ PrPsСГЦЦPiPSPµPSPSCЦ PSPµPsP±C...C-PrPSPC— РeC-Р»СГРPePsСГC,C- C,СГРPsPjP±PsC†PёC,C-PI ≥ 50 000/PjPeP». Р”Р»ЦЦ PiP°C†C-С”PSC,C-PI, C%Ps PiСГРРёP№PjP°СГC,СГ 25 PjPi 1 СГРР°P· PSP° PrPsP±Сr, PrPsP·Cr СГР»C-Pr СГРPiPsC±P°С,РeСr Р·Р±C-Р»СГРC€РёC,Рё PrPs 50 PjPi PSP° PrPsP±Сr, Р° PIP¶Pµ PiPsC,C-Pj Р·Р±C-Р»СГРC€CrPIP°С,Рё PrPsP·Cr PSP° 50 PjPi. Р”PsP·Cr 150 PjPi PSP° PrPsP±Сr PSPµ СГР»C-Pr PiPµСГРРµPIPёC%CrPIP°С,Рё. РµC-Pr C±P°СГ C,РµСГРР°PiC-С— C-Р· Р·Р°СГРC,PsСГРCrPIP°PSPSCЦPj РµP»СГР,СГРPsPjP±PsPiP°PiCr СГР»C-Pr PiСГРPsPIPsPrPёC,Рё PjPsPSC-C,PsСГРРёPSPi РeP»C-PSC-С±PSPёC... PiPµPjP°С,PsP»PsPiC-С±PSPёC... PiPsPeP°P·PSPёPeC-PI C,Р° PiPµC±C-PSPePsPIPёC... PiСГРPs± C- Р·PjC-PSСГРiP°С,Рё PrPsP·Cr РµP»СГР,СГРPsPjP±PsPiP°PiCr PIC-PrPiPsPIC-PrPSPs PrPs РeC-Р»СГРPePsСГC,C- C,СГРPsPjP±PsC†PёC,C-PI, ЦЦPe Р·Р°P·PSP°С±PµPSPs Cr C,Р°P±P»PёC†C- 5.

P₄C₇H₂P₂PiP₂PSP_μPSPSC₄ P»C-PeC₂PIP°PSPSC₄.

PiPeC%₀₀Ps P₄PsPrPSPsC— PiP_μPjP°C,PsP»PsPiC-C₄PSPsC— PIC-PrPiPsPIC-PrC- PSP_μ
C₄PiPsC₄C,P_μC₇H₂C-PiP°C”C,CHC₄C₄ C₄P_μC₇H₂P_μP· 16 C,P₂P₄PSC-PI C,P_μC₇H₂P°PiC-C—,
P·P°C₄C,PsC₄C₄PiP°PSPSC₄ P_μP»CHC,C₇H₂PsPjP±PsPiP°PiC₄ C₄P»C-Pr PiC₇H₂P₂PiP₂PSP₂C,P₂.
PiPeC%₀₀Ps PSP_μ PIP₂C₄PIP»P_μPSPs P₄PsPrPSP₂C... PSPsPIP₂C...
C₄P₂C,PsPiP_μPSP_μC,P₂C₄PSP₂C... PrP_μC,,P_μPeC,C-PI, C₄P»C-Pr PsC₄C-PSP₂C,P₂, C₄P₂
PrPsC₄C-P»CH₂PSPs PiC₇H₂PsPrPsPIP₄C₄PiP°C,P₂ PiC₇H₂P₂PM₂PjP°C,P₂ P_μP»CHC,C₇H₂PsPjP±PsPiP°Pi.
P—P°C₄C,PsC₄C₄PiP°PSPSC₄ P_μP»CHC,C₇H₂PsPjP±PsPiP°PiC₄ C₄P»C-Pr PiC₇H₂P₂PiP₂PSP₂C,P₂
PiC₇H₂P₂ PSP°PrPjC-C₇H₂PSP₂C... P·PjC-PSP°C... PeC-P»CH₂PePsC₄C,C- C,C₇H₂PsPjP±PsC₄P₂C,C-PI
(C₄PIe P·P°P·PSP°C₄P_μPSPs C₄ C,P°P±P»P₂C₄C- 4) P°P±Ps P·PSP°C₄PSP₂C...
PIC-PrC...P₂P»P_μPSPSC₄C... P·PSP°C₄P_μPSCH PiP_μC₄C-PSPePsPIP₂C... PiC₇H₂PsP± PIC-Pr
PSPsC₇H₂PjP°P»CH₂PSP₂C....

P₄C₇H₂PsP±P»P₂PIC- PiPsPiC₂P»C₄C₄C-C—.

P₄P₂C₇H₂PePsPIP° PSP_μPrPsC₄C,P°C,PSC-C₄C,CH. P—PjC-PSCHPIP°C,P₂ PrPsP·C₄ PSP_μ
PiPsC,C₇H₂C-P±PSPs. P>C-PeC₄PiP°PSPSC₄ PiP°C₄C-C”PSC,C-PI C-P· PSP₂C₇H₂PePsPiPsC₄
PSP_μPrPsC₄C,P°C,PSC-C₄C,CH C₄P»C-Pr P·PrC-PM₂C₄PSCHPIP°C,P₂ P·
PsP±P_μC₇H₂P_μP₄PSC-C₄C,CH C,P° PePsPSC,C₇H₂PsP»CHPIP°C,P₂ C₇H₂C-PIP_μPSCH
C₄P₂C₇H₂PsPIP°C,PePsPiPsPiPs PeC₇H₂P_μP°C,P₂PSC-PSC₄ C,P°/P°P±Ps PiC₇H₂PsPiPsPrP₂C,P₂
P°PSP°P»C-P·P₂ C₄P_μC₄C-.

P₄P_μC₄C-PSPePsPIP° PSP_μPrPsC₄C,P°C,PSC-C₄C,CH. P·P»CHC,C₇H₂PsPjP±PsPiP°Pi PSP_μ
C₄P»C-Pr P·P°C₄C,PsC₄C₄PiP°PSPSC₄ P₂P»C₄ P»C-PeC₄PiP°PSPSC₄ PiP°C₄C-C”PSC,C-PI P·
P₄P₂P₄C- PiP_μC₄C-PSPePsPiPsC₄ PSP_μPrPsC₄C,P°C,PSC-C₄C,CH (P·P° C₄PeP°P»PsC₄
P₄P°PM₂P»PrP°-P₄PM₂™ C₄ ≥ 5), C₄PIeC%₀₀Ps C,C-P»CH₂PeP₂ PsC₄C-PeC₄PiP°PSP°
PePsC₇H₂P₂C₄C,CH PIC-Pr P·P°C₄C,PsC₄C₄PiP°PSPSC₄ PSP_μ P±C₄PrP_μ PiP_μC₇H₂P_μPIP°P₄P°C,P₂
PIP₂P·PSP°C₄P_μPSPsPiPs C₇H₂P₂P·P₂PeC₄ PiPsC₇H₂C,P°P»CH₂PSPsPiPs PIP_μPSPsP·PSPsPiPs
C,C₇H₂PsPjP±PsP·C₄ (PrP₂PI. C₇H₂PsP·PrC-P» B«P₄C₇H₂PsP±P»P₂PIP₂C₄C-
P·P°C₄C,PsC₄C₄PiP°PSPSC₄IB»).

PiPeC%₀₀Ps P·P°C₄C,PsC₄C₄PiP°PSPSC₄ P_μP»CHC,C₇H₂PsPjP±PsPiP°PiC₄ PIP₂P°P₄P°C”C,CHC₄C₄
PSP_μPsP±C...C-PrPSP₂Pj PrP»C₄ P»C-PeC₄PiP°PSPSC₄ C-PrC-PsPiP°C,P₂C₄PSPsC—
C,C₇H₂PsPjP±PsC₄P₂C,PsPiP_μPSC-C₄PSPsC— PiC₄C₇H₂PiC₄C₇H₂P₂, PiPsC₄P°C,PePsPIP° PrPsP·P°
PjP°C” C₄C,P°PSPsPIP₂C,P₂ 25 PjPi PSP° PrPsP±C₄. P—P±C-P»CH₂C₄C₄PiP°C,P₂ PrPsP·C₄
P_μP»CHC,C₇H₂PsPjP±PsPiP°PiC₄ PiP°C₄C-C”PSC,P°Pj C-P· PiP_μC₄C-PSPePsPiPsC₄
PSP_μPrPsC₄C,P°C,PSC-C₄C,CH C₄P»C-Pr PSP_μ C₇H₂P°PSC-C₄PeP_μ PSC-P₄ C₄P_μC₇H₂P_μP·
3 C,P₂P₄PSC- PiC-C₄P»C₄ PiPsC₄P°C,PeC₄ C,P_μC₇H₂P°PiC-C—.

P°P»C₄ PiP°C₄C-C”PSC,C-PI P· C...C₇H₂PsPSC-C₄PSP₂Pj P°P°P₄ C- PiP_μC₄C-PSPePsPiPsC₄
PSP_μPrPsC₄C,P°C,PSC-C₄C,CH (P·P° C₄PeP°P»PsC₄ P₄P°PM₂P»PrP°-P₄PM₂™ C₄ ≤ 6) PrPsP·C₄
P·PjC-PSCHPIP°C,P₂ PSP_μ PiPsC,C₇H₂C-P±PSPs. P_μP°C₄C-C”PSC,P°Pj C-P· C...C₇H₂PsPSC-C₄PSP₂Pj
P°P°P₄ C- PiP°C₄C-C”PSC,P°Pj P· P°PiP»P°C₄C,P₂C₄PSPsC₄ P°PSP_μPjC-C”C₄C,C₄PIeP₄PePsPiPs
C₄C,C₄PiP_μPSC₄ C,P° PiP_μC₄C-PSPePsPiPsC₄ PSP_μPrPsC₄C,P°C,PSC-C₄C,CH C₄P»C-Pr
PiPsC₄P₂PSP°C,P₂ P»C-PeC₄PiP°PSPSC₄ P_μP»CHC,C₇H₂PsPjP±PsPiP°PiPsPj C₄ PrPsP·C- 25 PjPi 1
C₇H₂P°P· PSP° PrPsP±C₄. P—P±C-P»CH₂C₄C₄PiP°C,P₂ PrPsP·C₄ P_μP»CHC,C₇H₂PsPjP±PsPiP°PiC₄
PiP°C₄C-C”PSC,P°Pj C-P· PiP_μC₄C-PSPePsPiPsC₄ PSP_μPrPsC₄C,P°C,PSC-C₄C,CH C₄P»C-Pr PSP_μ
C₇H₂P°PSC-C₄PeP_μ PSC-P₄ C₄P_μC₇H₂P_μP· 2 C,P₂P₄PSC- PiC-C₄P»C₄ PiPsC₄P°C,PeC₄
C,P_μC₇H₂P°PiC-C—. P°C₄P»Ps PIC₄C,P°PSPsPIP»P_μPSPs PiC-PrPIP₂C%₀₀P_μPSPSC₄ C₇H₂P₂P·P₂PeC₄
PiPsP±C-C₄PSP₂C... P_μC,,P_μPeC,C-PI, PIPeP»C₄C₄P°C₄C₄P₂ PiP_μC₄C-PSPePsPIC₄
PrP_μPePsPjPiP_μPSC₄P°C₄C-C₄C,P° C,C₇H₂PsPjP±PsP_μPjP±PsP»C-C₄PSC-

(PrPëPI. CĤPsP·PrC-P»Pë B«PαP°CĤPjP°PePsPeC-PSPμC,PëPeP°B» C- B«P'P·P°C"PjPsPrC-CĬ P· C-PSC€PëPjPë P»C-PeP°CĤCĬCHPePëPjPë P·P°CĬPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C"PjPsPrC-PNëB»).

P"C-C,Pë.

P·P»CHC,CĤPsPjP±PsPïP°Pi-P'C-CĬC,P°, C,P°P±P»PμC,PePë PIPECĤPëC,C- PïP»C-PIPEPsPIPsCĤ PsP±PsP»PsPSPePsCĤ, PSPμ CĤPμPePsPjPμPSPPrCřC"C,CHCĬCĬ PrP»CĬ P»C-PeCřPIP°PSPSCĬ PrC-C,PμPNë PIC-PePsPj PrPs 1 CĤPsPeCř P· C...CĤPsPSC-C†PSPsCĤ P†PÿPμ Cř P·PIBĤ™ CĬP·PeCř P· PSPμPrPsCĬC,P°C,PSC-CĬC,CĤ PrP°PSPëC... C%PsPrPs PμC,,PμPeC,PëPIPSPsCĬC,C- C,P° P±PμP·PïPμPePë P»C-PeP°CĤCĬCHPePsPiPs P·P°CĬPsP±Cř.

P"P°PSPëC... C%PsPrPs PμC,,PμPeC,PëPIPSPsCĬC,C- C,P° P±PμP·PïPμPePë PμP»CHC,CĤPsPjP±PsPïP°PiCř PrP»CĬ PrC-C,PμPNë C,P° PïC-PrP»C-C,PeC-PI (< 18 CĤPsPeC-PI) P· C,CĤPsPjP±PsC†PëC,PsPïPμPSC-C"CĤ, PïPsPIBĤ™ CĬP·P°PSPsCĤ P· C...CĤPsPSC-C†PSPëPj P'P"Pÿ P°P±Ps PÿPĥPĥ PSPμPjP°C". P"P°PSC- PIC-PrCĬCřC,PSC-.

PμPμCĤPμPrPsP·CžPIP°PSPSCĬ.

PÿPëPjPiC,PsPjPë. PμC-Pr C†P°CĬ PeP»C-PSC-C†PSPëC... PrPsCĬP»C-PrP¶PμPSCĤ P·P° CřC†P°CĬC,CĤ C...PIPsCĤPëC... PSP° P†PÿPμ CĬPïPsCĬC,PμCĤC-PiP°PICĬCĬ PsPrPëPS PIPëPïP°PrPsPe PïPμCĤPμPrPsP·CřPIP°PSPSCĬ, PePsP»Pë C...PIPsCĤPëPNë PïCĤPëPNëPSCĬPI 5000 PjPi PμP»CHC,CĤPsPjP±PsPïP°PiCř. PμPsP±C-C†PSC- CĤPμP°PeC†C-C— PIPEP»CĤC†P°P»Pë PïPsPjC-CĤPSPμ PIPëCĬPëPïP°PSPSCĬ, C,CĤP°PSP·PëC,PsCĤPSCř P±CĤP°PrPëPeP°CĤPrC-CĤ, CĬC,PsPjP»PμPSC-CĬC,CH C,P° PïC-PrPIPëC%PμPSPSCĬ CĤC-PIPSĬC C,CĤP°PSCĬP°PjC-PSP°P·. P C-PIPμPSCĤ PïPμC†C-PSPePsPIPëC... C,,PμCĤPjPμPSC,C-PI, C%Ps PIPëPjC-CĤCĤPIP°PICĬCĬ PjC-P¶ 2-Pj C,P° 18-Pj PrPSPμPj PïC-CĬP»CĬ PïPμCĤPμPrPsP·CřPIP°PSPSCĬ, P±CřPI Cř 1,6 CĤP°P·P° PIPëC%Pμ PIPμCĤC...PSCĤPsC— PjPμP¶C- PSPsCĤPjPë PrP»CĬ PĥPÿPÿ, Cř 3,9 CĤP°P·P° BĤ" PrP»CĬ PĥP·Pÿ C,P° Cř 2,4 CĤP°P·P° BĤ" PrP»CĬ P·P°PiP°P»CHPSPsPiPs P±C-P»C-CĤCřP±C-PSCř. PĤC-P»CHPeC-CĬC,CH C,CĤPsPjP±PsC†PëC,C-PI CĬC,P°PSPsPIPëP»P° 672000/PjPeP» PSP° 18-PNë PrPμPSCĤ PïC-CĬP»CĬ PïPμCĤPμPrPsP·CřPIP°PSPSCĬ, PjP°PeCĬPëPjP°P»CHPSPëPNë CĤC-PIPμPSCĤ C,CĤPsPjP±PsC†PëC,C-PI CĬC,P°PSPsPIPëPI 929000/PjPeP». PJCĬC- PïPsP±C-C†PSC- CĤPμP°PeC†C-C— PjPëPSCřP»Pë PïC-CĬP»CĬ P»C-PeCřPIP°PSPSCĬ P±PμP· CřCĬPeP»P°PrPSPμPSCĤ.

P>C-PeCžPIP°PSPSCĬ. Pj CĤPμP·CřP»CHC,P°C,C- PïPμCĤPμPrPsP·CřPIP°PSPSCĬ PeC-P»CHPeC-CĬC,CH C,CĤPsPjP±PsC†PëC,C-PI PjPsP¶Pμ PSP°PrPjC-CĤPSPs P·CĤPsCĬC,Pë C- CĬPïCĤPëC†PëPSPëC,Pë C,CĤPsPjP±PsC,PëC†PSC-/C,CĤPsPjP±PsPμPjP±PsP»C-C†PSC- CřCĬPeP»P°PrPSPμPSPSCĬ. PμCĤPë PïPμCĤPμPrPsP·CřPIP°PSPSC- CĬP»C-Pr PïCĤPëPNëPSCĬC,Pë PïPμCĤPsCĤP°P»CHPSPs PïCĤPμPïP°CĤP°C,Pë PjPμC,P°P»C-PI, C%Ps PjC-CĬC,CĬC,CH PeP°C,C-PsPSPë, C,P°PeC- CĬPe PeP°P»CHC†C-PNë, P°P»CĤPjC-PSC-PNë P°P±Ps PjP°PiPSC-PNë, PrP»CĬ CřC,PIPsCĤPμPSPSCĬ C...PμP»P°C,PSPëC... PePsPjP±C-PSP°C†C-PNë P· PμP»CHC,CĤPsPjP±PsPïP°PiPsPj C,P° PsP±PjPμP¶PμPSPSCĬ PNëPsPiPs P°P±CĬPsCĤP±C†C-C—. PÿP»C-Pr CĤPμC,PμP»CHPSPs PePsPSC,CĤPsP»CĤPIP°C,Pë CĤC-PIPμPSCĤ C,CĤPsPjP±PsC†PëC,C-PI. PμPsPIC,PsCĤPSPs CĤPsP·PïPsC†PëPSP°C,Pë P»C-PeCřPIP°PSPSCĬ PμP»CHC,CĤPsPjP±PsPïP°PiPsPj PjPsP¶PSP° P·PiC-PrPSPs P· PSP°PIPμPrPμPSPëPjPë CĤPμPePsPjPμPSPPrP°C†C-CĬPjPë (PrPëPI. CĤPsP·PrC-P»

PhCfP_eC-P»CH₃PePë P_μP»CH₃C, C₇H₃PsPjP±PsP_iP°Pi PSP_μ PIPëPIPsPrPëC, CH₃CfC_μ
PSPëC₇PeP°PjPë Cr P·PSP°C†PSC-PN₂ PeC-P»CH₃PePsCfC, C- C- PIP_μP»PëPePsC₇ PjC-C₇PsC₇
P·PIB₇TM C_μP·CrC''C, CH₃CfC_μ P· P±C-P»PeP°PjPë P_iP»P°P·PjPë, PiP_μPjPsPrC-P°P»C-P· PSP_μ
P±C₁PrP_μ P_μC,, P_μPeC, PëPIPSPëPj PjP_μC, PsPrPsPj P_μP»C-PjC-PSP°C†C-C—
P_μP»CH₃C, C₇H₃PsPjP±PsP_iP°PiCr.

$P\uparrow PjC\acute{z}PSPSP^{\circ}C,C\bar{H}PsPjP\pm PsC\uparrow P\ddot{e}C,PsPiP\mu PSC-C\bar{I}C\acute{z}PrPsC\bar{H}PsC\acute{I}P\rangle P\ddot{e}C...PiP^{\circ}C\uparrow C-C''PSC,C-PI$
 $P\cdot P\uparrow P\check{y}P\check{u}C,P^{\circ}PrC-C,P\mu PN_{\check{e}}.$

P'PμP·PiPμPeP° P·P°CfC,PsCfCfPIP°PSPSCl PμP»CHC,CfjPsPjP±PsPiP°PiCf PrC-C,CfjPj (PIC-PePsPj PIC-Pr 1 PrPs 17 CfjPsPeC-PI) P· PiPsPiPμCfjPμPrPSCfPs P»C-PePsPIP°PSPsCf P†PjPμ P±CfP»P° PiCfjPsPrPμPjPsPSCfC,CfjPsPIP°PSP° Cf PrPIPsC... PrPsCfP»C-PrP¶PμPSPSClC... (n = 171). PETIT2 (TRA115450) CfjPIP»CfjP»Ps CfPsP±PsCf PiPsPrPIC-PMsPSPs CfP»C-PiPμ, PIC-PrPeCfjPëC,Pμ, CfjP°PSPrPsPjC-P·PsPIP°PSPμ, PiP»P°C†PμP±PsPePsPSC,CfjPsP»CHPsPIP°PSPμ PrPsCfP»C-PrP¶PμPSPSCl, C%oPs CfPeP»P°PrP°P»PsCfCH P· PrPIPsC... C†P°CfC,PëPS. PμP°C†C-C"PSC,C-PI P±CfP»Ps CfjP°PSPrPsPjC-P·PsPIP°PSPs Cf CfPiC-PIPIC-PrPSPsCfPμPSPSC- 2:1 PrPs PiCfjCfPiPë P·P°CfC,PsCfCfPIP°PSPSCl PμP»CHC,CfjPsPjP±PsPiP°PiCf (n = 63) P°P±Ps PiP»P°C†PμP±Ps (n = 29) PiCfjPsC,CfjPiPsPj 13 C,PëP¶PSC-PI Cf CfjP°PSPrPsPjC-P·PsPIP°PSPëPMs PiPμCfjC-PsPr PrPsCfP»C-PrP¶PμPSPSCl. PETIT (TRA108062) CfjPIP»CfjP»Ps CfPsP±PsCf PIC-PrPeCfjPëC,Pμ C- PiPsPrPIC-PMsPSPs CfP»C-PiPμ, CfjP°PSPrPsPjC-P·PsPIP°PSPμ, PiP»P°C†PμP±PsPePsPSC,CfjPsP»CHPsPIP°PSPμ PrPsCfP»C-PrP¶PμPSPSCl PI PePsPiPsCfjC,P°C... P· PIC-PrCfC,CfjPsC†PμPSPëPj P·P° C†P°CfPsPj PSP°P±PsCfjPsPj PiP°C†C-C"PSC,C-PI, C%oPs CfPeP»P°PrP°P»PsCfCf P· 3 C†P°CfC,PëPS. PμP°C†C-C"PSC,C-PI P±CfP»Ps CfjP°PSPrPsPjC-P·PsPIP°PSPs Cf CfPiC-PIPIC-PrPSPsCfPμPSPSC- 2:1 PrPs PiCfjCfPiPë P·P°CfC,PsCfCfPIP°PSPSCl PμP»CHC,CfjPsPjP±PsPiP°PiCf (n = 44) P°P±Ps PiP»P°C†PμP±Ps (n = 21) PiCfjPsC,CfjPiPsPj 7 C,PëP¶PSC-PI. PμCfjPsC,,C-P»CH PSPμP±P°P¶P°PSPëC... CfjPμP°PeC†C-PMs P±CfPI PiPsCfjC-PIPsCfjPSPSPëPj P· C,PëPj,

CΠPePēPN₀ CΓPīPsCΓC, PμCḡC-PiP°PICΓCΠ CΓ PrPsCḡPsCΓP»PēC..., P· PrPsPrP°PIP°PSPSCΠPj
 PrPμCΠPePēC... PSPμP±P°PΠP°PSPēC... CḡPμP°PeC†C-PN₀, PIC-PrPjC-C†PμPSPēPjPē
 P·PSP°PePsPj B«♦B» PI C, P°P±P»PēC†C- PSPēPΠC†Pμ. PkP°PN₀P±C-P»CHCē
 PīPsCēPēCḡPμPSPēPjPē PSPμP±P°PΠP°PSPēPjPē CḡPμP°PeC†C-CΠPjPē CΓ PrC-C, PμPN₀ P· P†PŷPμ
 PIC-PePsPj PIC-Pr 1 CḡPsPeCΓ (≥ 3 % C, P° P±C-P»CHCēPμ, PSC-PΠ PI PiCḡCΓPiC-
 PīP»P°C†PμP±Ps) P±CΓP»Pē C-PSC,, PμPeC†C-CΠ PIPμCḡC...PSC-C... PrPēC...P°P»CHPSPēC...
 CēP»CΠC...C-PI, PSP°P·PsC,, P°CḡPēPSPiC-C,, PeP°CēPμP»CH, PiC-CḡPμPeCΓC-CΠ, P±C-P»CH
 CΓ CēP»CΓPSPeCΓ, P±C-P»CH CΓ CḡPsC, PsPiP»PsC, C†C-, P·CΓP±PSPēPN₀ P±C-P»CH C-
 CḡPēPSPsCḡPμCΠ.

PŷCḡPsPjP±PsC†PēC, PsPiPμPSC-CΠ, PiPsPiBḡ™ CΠP·P°PSP° P· PIC-CḡCzCΓPsPj PiPμPiP°C, PēC, Cz
 C, Cz PrPsCḡPsCΓP»PēC... PiP°C†C-C''PSC, C-PI.

ENABLE 1 (TPL103922 n = 716, n = 715 P»C-PeCΓPIP°P»PēCΓCΠ
 PμP»CHC, CḡPsPjP±PsPīP°PiPsPj) C, P° ENABLE 2 (TPL108390 n = 805) CΠPIP»CΠP»Pē
 CΓPsP±PsCḡ CḡP°PSPPrPsPjC-P·PsPIP°PSC-, PiPsPrPIC-PN₀PSPs CΓP»C-PiC-,
 PīP»P°C†PμP±PsPePsPSC, CḡPsP»CHPsPIP°PSC-, P±P°PiP°C, PsC†PμPSC, CḡPsPIC-
 PrPsCΓP»C-PrPΠPμPSPSCΠ PrP»CΠ PsC†C-PSPePē P±PμP·PiPμPePē C, P°
 PμC,, PμPeC, PēPIPSsCΓC, C- PμP»CHC, CḡPsPjP±PsPīP°PiCΓ CΓ PīP°C†C-C''PSC, C-PI P·
 C, CḡPsPjP±PsC†PēC, PsPiPμPSC-C''Cḡ, PiPsPiBḡ™ CΠP·P°PSPsCḡ P· PIC-CḡCΓCΓPsPj
 PiPμPiP°C, PēC, CΓ C, CΠPeC-, PI C-PSCēPsPjCΓ PIPēPiP°PrPeCΓ, PjP°P»Pē PiCḡP°PIPs
 CḡPsP·PiPsC†P°C, Pē PiCḡPsC, PēPIC-CḡCΓCΓPSCΓ C, PμCḡP°PiC-Cḡ. Pj
 PrPsCΓP»C-PrPΠPμPSPSCΠC... PiPμPiP°C, PēC, CΓ Pŷ PiPsPiCΓP»CΠC†C-Cḡ PrP»CΠ
 PsC†C-PSPePē P±PμP·PiPμPePē CΓPeP»P°PrP°P»Pē PICΓC- CḡP°PSPPrPsPjC-P·PsPIP°PSC-
 PīP°C†C-C''PSC, Pē, CΠPeC- PsC, CḡPēPjCΓPIP°P»Pē PrPsCΓP»C-PrPΠCΓPIP°PSPēPN₀
 PiCḡPμPiP°CḡP°C, CΓ PiPsPrPIC-PN₀PSPs CΓP»C-PiPsPjCΓ PiPμCḡC-PsPrC- C†P°CΓC, PēPSPē 2
 PrPsCΓP»C-PrPΠPμPSPSCΠ ENABLE 1 (P»C-PeCΓPIP°PSPSCΠ PμP»CHC, CḡPsPjP±PsPīP°PiPsPj n
 = 450, P»C-PeCΓPIP°PSPSCΠ PiP»P°C†PμP±Ps n = 232) C, P° PrPsCΓP»C-PrPΠPμPSPSCΠ
 ENABLE 2 (P»C-PeCΓPIP°PSPSCΠ PμP»CHC, CḡPsPjP±PsPīP°PiPsPj n = 506,
 P»C-PeCΓPIP°PSPSCΠ PiP»P°C†PμP±Ps n = 252). PŷC, P°PS PiP°C†C-C''PSC, C-PI
 P°PSP°P»C-P·CΓPIP°P»Pē PIC-PrPiPsPIC-PrPSPs PrPs P·P°CΓC, PsCΓPsPIP°PSPsC— CΓC...PμPjPē
 P»C-PeCΓPIP°PSPSCΠ (P·P°PiP°P»CHPSP° PiPsPiCΓP»CΠC†C-CΠ PrP»CΠ PsC†C-PSPePē
 P±PμP·PiPμPePē CΓ PiPsPrPIC-PN₀PSPs CΓP»C-PiPsPjCΓ PiPμCḡC-PsPrC-,
 PμP»CHC, CḡPsPjP±PsPīP°Pi n = 955, PiP»P°C†PμP±Ps n = 484).

PkP°PN₀P±C-P»CHCē CΓPμCḡPN₀PsP·PSPēPjPē PiPsP±C-C†PSPēPjPē CḡPμP°PeC†C-CΠPjPē,
 PIPēCΠPIP»PμPSPēPjPē PiC-Pr C†P°CΓ PrPsCΓP»C-PrPΠPμPSCḡ C, PμCḡP°PiC-C— P†PŷPμ
 P°P±Ps P'P"Pŷ, P±CΓP»Pē PiPμPiP°C, PsC, PsPeCΓPēC†PSC-CΓC, CH C-
 C, CḡPsPjP±PsC, PēC†PSC-/C, CḡPsPjP±PsPμPjP±PsP»C-C†PSC- CΓCΓPeP»P°PrPSPμPSPSCΠ.
 PkP°PN₀P±C-P»CHCē C†P°CΓC, PēPjPē PiPsP±C-C†PSPēPjPē CḡPμP°PeC†C-CΠPjPē
 (PiPμCḡPμPSPμCΓPμPSPēPjPē PiCḡPēPSP°PN₀PjPSC- 10 % PiP°C†C-C''PSC, C-PI) P±CΓPrCH-
 CΠPePsPiPs CΓC, CΓPiPμPSCΠ PI PrPsCΓP»C-PrPΠPμPSPSCΠC... P»C-PeCΓPIP°PSPSCΠ P†PŷPμ
 P°P±Ps P'P"Pŷ P±CΓP»Pē: PiPsP»PsPIPSPēPN₀ P±C-P»CH, P°PSPμPjC-CΠ, P·PSPēPΠPμPSPSCΠ
 P°PiPμC, PēC, CΓ, P±PμP·CΓPsPSPSCΠ, PeP°CēPμP»CH, PSCΓPrPsC, P°, PrC-P°CḡPμCΠ,
 PiC-PiPμCḡP±C-P»C-CḡCΓP±C-PSPμPjC-CΠ, P°P»PsPiPμC†C-CΠ, CΓPIPμCḡP±C-PΠ, P±C-P»CH
 CΓ PjBḡ™ CΠP·P°C..., PiC-PiPμCḡC, PμCḡPjC-CΠ, PIC, PsPjP°, PiCḡPēPiPsPiPsPrC-P±PSC-
 P·P°C...PIPsCḡCḡPIP°PSPSCΠ, P°CΓC, PμPSC-CΠ, PsP·PSPsP± C- PiPμCḡPēC,, PμCḡPēC†PSC-
 PSP°P±CḡCΠPePē.

PŷCΠPΠPeP° P°PiP»P°CΓC, PēC†PSP° P°PSPμPjC-CΠ Cz PrPsCḡPsCΓP»PēC...
 PiP°C†C-C''PSC, C-PI.

P'PuP·PiPuPeCr PμP»CHC, CḡPsPjP±PsPiP°PiCr PiCḡPē P°PiP»P°CīC, PēC†PSC-PNē P°PSPμPjC-C—C, CḡP¶PePsPiPs CīC, CrPiPuPSCḡ PsC†C-PSCḡPIP°P»Pē PiC-Pr C†P°Cī PiCḡPsPIPμPrPuPSPSCḡ PSPμPePsPSC, CḡPsP»CHPsPIP°PSPsPiPs PIC-PrPeCḡPēC, PsPiPs PrPsCīP»C-PrP¶PuPSPSCḡ P·P°CrC†P°CīC, Cḡ 43 PiP°C†C-C" PSC, C-PI, PI CḡPePsPjCr 11 PiP°C†C-C" PSC, C-PI (26 %)

PsC, CḡPēPjCrPIP°P»Pē P»C-PeCrPIP°PSPSCḡ PiCḡPsC, CḡPiPsPj > 6 PjC-CīCḡC†C-PI, P°7 PiP°C†C-C" PSC, C-PI (16 %) PsC, CḡPēPjCrPIP°P»Pē P»C-PeCrPIP°PSPSCḡ PiCḡPsC, CḡPiPsPj > 1 CḡPsPeCr. PkP°PNēP±C-P»CHC€ CīPμCḡPNēPsP·PSPēPjPē PiPsP±C-C†PSPēPjPē

CḡPμP°PeC†C-CḡPjPē P±CrP»Pē C,, PμP±CḡPēP»CHPSP° PSPμPNēC, CḡPsPiPuPSC-Cḡ C, P°CīPμPiCīPēCīC/C-PSC,, PμPeC†C-Cḡ. PkP°PNēP±C-P»CHC€ C†P°CīC, C- PiPsP±C-C†PSC-CḡPμP°PeC†C-C—, C%Ps PIPēPSPēPeP°P»Pē PiCḡPēPSP°PNēPjPSC- Cr 10 % PiP°C†C-C" PSC, C-PI, PIPeP»CHC†P°P»Pē: PiPsP»PsPIPSPēPNē P±C-P»CH, P·P°PiP°PjPsCḡPsC†PuPSPSCḡ,

P±PμP·CīPsPSPSCḡ, PeP°C€PμP»CH, P·P°PrPēC€PeCr, P±C-P»CH Cr CḡPsC, PsPiP»PsC, C†C-, CḡPēPSPsCḡPμCḡ, PSCrPrPsC, Cr, PrC-P°CḡPμCḡ, P±C-P»CH Cr P¶PēPIPsC, C-,

P·P±C-P»CHC€PμPSPēPNē CḡC-PIPμPSCḡ C, CḡP°PSCīP°PjC-PSP°P·Pē, PμPeC...C-PjPsP·, P°CḡC, CḡP°P»PiC-Cḡ, PjBḡ™ CḡP·PsPIC- CīPiP°P·PjPē, P±C-P»CH Cr PeC-PSC†C-PIPeP°C..., PIC, PsPjCr, C,, PμP±CḡPēP»CHPSCr PSPμPNēC, CḡPsPiPuPSC-Cḡ C, P° PiC-CḡPμPeCīC-Cḡ.

P_{II}CT_hP_ö P_»C-P_εC_íPIP[°]PSPSC- P⁺P_ŷP_{II}.

P— P±PsPeCf PrPëC...P°P»CHPSPSc— CfPëCfC,PµPjPë, PiCfCfPrPSPSc— PeP»C-C,PePë C,P° CfPµCfPµPrPsCfC,C-PSPSCf	P°CfP¶Pµ C±P°CfC,Ps	PµP°CëPµP»CH*
	PSP°CfC,Ps	P'C-P»CH Cf CfPSc,PsPiP»PSc,C†C-, CfPëPSPScfPµCf*
	PkPµC±P°CfC,Ps	P·PµPiPµPSPµPIP° PµPjP±PsP»C-Cf, C-PSC,P°CfPëC, P»PµPiPµPSC-PI, PSPµPiCfPëC°PjPSC- PIC-PrC†CfC,C,Cf Cf PSPScfPsPIC-PNë PiPsCfPsP¶PSPëPSC-, PiPsCfPIP° PiCfC...PëCfC†C-PI C,P° P±C-P»CH Cf CfPSc,PsPiP»PSc,C†C-, CfCfPeP»P°PrPSPµPSPSCf P· P±PsPeCf PSP°P·P°P»CHPSPëC... CfPëPSCfCfC-PI, CfPëPSPPrCfPj PSC-C±PSPsPiPs P°PiPSPsPµ
P— P±PsPeCf CëP»CfPSPePsPIPs- PePëCëPePsPIPsPiPs C,CfP°PeC,Cf	P°CfP¶Pµ C±P°CfC,Ps	PkCfPrPsC,P°, PrC-P°CfPµCf
	PSP°CfC,Ps	P'PëCfP°P·PeP° PI CfPSc,C-, CfCfC...C-CfC,CH Cf CfPSc,C-, P·CfP±PSPëPNë P±C-P»CH*, P±P»CfPIP°PSPSCf, P±C-P»CH Cf P¶PëPIPsC,C-*, PeCfPsPIPsC,PµC±P° Cf CfPSc,PsPIC-PNë PiPsCfPsP¶PSPëPSC-, P·PrCfC,C,Cf. * P°CfP¶Pµ PiPsCëPëCfPµPSC- Cf PrC-C,PµPNë P· P†PÿPµ.
	PkPµC±P°CfC,Ps	PÿCfC...C-CfC,CH Cf CfPSc,C-, PiP»PScfPsPrPëPSC-Cf, P±PsP»C-CfPSC-CfC,CH P¶PëPIPsC,P°, P·PSPµP±P°CfPIP»PµPSPSCf PIPëPiPsCfPsP¶PSPµPSCf, C...P°CfC±PsPIPµ PsC,CfCfC°PSPSCf, C±P°CfC,P° PrPµC,,PµPeP°C†C-Cf, PiPµPjP°C,PµPjPµP·PëCf, PrPëCfPePsPjC,,PsCfC, Cf CfPSc,C-
P— P±PsPeCf PiPµC±C-PSPePë C,P° P¶PsPIC±PsPIPëPIC-PrPSPëC... CëP»CfC...C-PI	P°CfP¶Pµ C±P°CfC,Ps	P—P±C-P»CHCëPµPSPSCf CfC-PIPsCf P°P»P°PSC-PSP°PjC-PSPsC,CfP°PSCfC,,PµCfP°P·Pë ^ñ
	PSP°CfC,Ps	P—P±C-P»CHCëPµPSPSCf CfC-PIPsCf P°CfPiP°CfC,P°C,P°PjC-PSPsC,CfP°PSCfC,,PµCfP°P·Pë ^ñ , PiC-PiPµCfP±C-P»C-CfCfP±C-PSPµPjC-Cf, PiPsCfCfCëPµPSPSCf C,,CfPSPeC†C-C— PiPµC±C-PSPePë
	PkPµC±P°CfC,Ps	PfPsP»PµCfC,P°P·, CfCfP°P¶PµPSPSCf PiPµC±C-PSPePë, PiPµPiP°C,PëC,, PjPµPrPëPeP°PjPµPSC,PsP·PSPµ CfCfP°P¶PµPSPSCf PiPµC±C-PSPePë
P— P±PsPeCf CëPeC-CfPë C,P° PiC-PrCëPeC-CfPSPëC... C,PeP°PSPëPS	PSP°CfC,Ps	P'PëCfPëPiP°PSPSCf, P°P»PsPiPµC†C-Cf, PiC-PiPµCfPiC-PrCfPsP·, PiPµPSPµCfP°P»C-P·PsPIP°PSPëPNë CfPIPµCfP±C-P¶, PiPµC,PµC...C-C—
	PkPµC±P°CfC,Ps	PµCfPsPiPëPiBf™ CIPSPeP°, PrPµCfPjP°C,PsP·, C...PsP»PsPrPSPëPNë PiC-C,, PµCfPëC,PµPjP°, PjPµP»P°PSPsP·, PiPsCfCfCëPµPSPSCf PiC-PiPjPµPSC,P°C†C-C—, P·PSPµP±P°CfPIP»PµPSPSCf CëPeC-CfPë, P»CfC%PµPSPSCf CëPeC-CfPë
P— P±PsPeCf CfPePµP»PµC,PSPs- PjBf™ CIP·PsPIPsC— C,P° CfPiPsP»CfC±PSPSc— C,PeP°PSPëPSPë	P°CfP¶Pµ C±P°CfC,Ps	P'C-P»CH Cf CfPiPëPSC-
	PSP°CfC,Ps	PµC-P°P»PiC-Cf, CfCfPrPsPjPë PjBf™ CIP·C-PI, CfPePµP»PµC,PSPs-PjBf™ CIP·PsPIPëPNë P±C-P»CH, P±C-P»CH Cf PeC-CfC,PeP°C...
	PkPµC±P°CfC,Ps	PµBf™ CIP·PsPIP° CfP»P°P±PeC-CfC,CH
P— P±PsPeCf PSPëCfPsPe C- CfPµC±PsPIPëPIC-PrPSPëC... CëP»CfC...C-PI	PSP°CfC,Ps	PµCfPSc,PµC—PSCfCfC-Cf, P·P±C-P»CHCëPµPSPSCf CfC-PIPsCf PeCfPµP°C,PëPSC-PSCf PI PeCfPsPIC-, C,CfPsPjP±PsC†PëC,P°CfPSP° PjC-PeCfPsP°PSPiC-PsPiP°C,C-Cf P· PSPëCfPePsPIPsCf PSPµPrPsCfC,P°C,PSC-CfC,Cf ^{ñÿ}
	PkPµC±P°CfC,Ps	PkPëCfPePsPIP° PSPµPrPsCfC,P°C,PSC-CfC,CH, P»PµPNëPePsC†PëC,CfCfC-Cf, PIPsPIC±P°PePsPIPëPNë PSPµC,,CfPëC,, PSC-PeC,CfCfC-Cf, P·P±C-P»CHCëPµPSPSCf CfC-PIPsCf CfPµC±PsPIPëPSPë PI PeCfPsPIC-, P·P±C-P»CHCëPµPSPSCf CfPiC-PIPIC-PrPSPsCëPµPSPSCf PiCfPSc,PµC—PS/PeCfPµP°C,PëPSC-PS Cf CfPµC±C-
P— P±PsPeCf CfPµPiCfPsPrCfPeC,PëPIPsPSc— CfPëCfC,PµPjPë C,P° PjPsP»PsC±PSPëC... P·P°P»PsP·	PSP°CfC,Ps	PµPµPSPsCfP°PiC-C—

P—P°PiP°P»CHΨPSC- PiPsCΨCfC€PμPSPSCΨ C,P° C΄C,P°PS PjC-C΄C΄CΨ PIPiPμPrPμPSPSCΨ	P§P°C΄C,Ps	P·PëC...PsPjP°PSPeP°*, P±C-P»CH C΄ PiCΨC΄PrCΨC..., P°C΄C,PμPSC-CΨ *P”C΄P¶Pμ PiPsC€PëCΨPμPSC- C΄ PrC-C,PμPNë P· P†PÿPμ.
	PκPμC‡P°C΄C,Ps	P’C-PrC‡C΄C,C,Ψ P¶P°CΨC΄, PiPμPjPsCΨP°PiC-C— C΄ PjC-C΄C΄C- PiC΄PSPeC†C-C— C΄C΄PrPëPS, PIC-PrC‡C΄C,C,Ψ C,CΨPëPIPsP¶PSPsC΄C,C-, P·P°PiP°P»PμPSPSCΨ CΨP°PS, PSPμP·PrC΄P¶P°PSPSCΨ, PIC-PrC‡C΄C,C,Ψ C΄C,PsCΨPsPSPSCHsPiPs C,C-P»P°
P>P°P±PsCΨP°C,PsCΨPSC- PrP°PSC-	P§P°C΄C,Ps	P—P±C-P»CHC€PμPSPSCΨ CΨC-PIPSCΨ P»C΄P¶PSPsC— C,,PsC΄C,,P°C,P°P·Pë PeCΨPsPIC-
	PκPμC‡P°C΄C,Ps	P—P±C-P»CHC€PμPSPSCΨ CΨC-PIPSCΨ P°P»CHP±C΄PjC-PSC΄ PeCΨPsPIC-, P·P±C-P»CHC€PμPSPSCΨ P·P°PiP°P»CHsPSPsPiPs CΨC-PIPSCΨ P±C-P»PeC-PI, P·PjPμPSC€PμPSPSCΨ CΨC-PIPSCΨ P°P»CHP±C΄PjC-PSC΄ PeCΨPsPIC-, P·P±C-P»CHC€PμPSPSCΨ CΨC-PIPSCΨ CΨPκ C΄PμC‡C-
PÿCΨP°PIPjPë, PsC,CΨC΄C”PSPSCΨ C,P° C΄C΄PeP»P°PrPSPμPSPSCΨ PiCΨPsC†PμPrC΄CΨ	PκPμC‡P°C΄C,Ps	PÿPsPSCΨC‡PSC- PsPiC-PePë

♦ P”PsPrP°C,PePsPIC- PiPsP±C-C‡PSC- CΨPμP°PeC†C-C—, C%Ps
C΄PiPsC΄C,PμCΨC-PiP°CΨC,CHC΄CΨ PiC-Pr C‡P°C΄ PiPμPrC-P°C,CΨPëC‡PSPëC...
PrPsC΄P»C-PrP¶PμPSCΨ (C΄ PrC-C,PμPNë PIC-PePsPj PIC-Pr 1 PrPs 17 CΨPsPeC-PI).

Бґ P—P±C-P»CHC€PμPSPSCΨ CΨC-PIPSC-PI
P°P»P°PSC-PSP°PjC-PSPsC,CΨP°PSC΄C,,PμCΨP°P·Pë C,P°
P°C΄PiP°CΨC,P°C,P°PjC-PSPsC,CΨP°PSC΄C,,PμCΨP°P·Pë PjPsP¶C΄C,CH PIPëPSPëPeP°C,Pë
PsPrPSPsC‡P°C΄PSPs, C...PsC‡P° C- P· PjPμPSC€PsCΨ C‡P°C΄C,PsC,PsCΨ.

Бґґ P—PiCΨC΄PiPsPIP°PSPμ P·P° PiPμCΨPμPIP°P¶PSPëPjPë C,PμCΨPjC-PSP°PjPë PiPsC΄C,CΨPμ
PiPsCΨC΄C€PμPSPSCΨ C,,C΄PSPeC†C-C— PSPëCΨPsPe C,P° PSPëCΨPePsPIP°
PSPμPrPsC΄C,P°C,PSC-C΄C,CH.

PμCΨPë P»C-PeC΄PIP°PSPSC- P’P”Pÿ (CΨP°P·PsPj P· PiCΨPsC,PëPIC-CΨC΄C΄PSPëPj
P»C-PeC΄PIP°PSPSCΨPj C-PSC,PμCΨC,,PμCΨPsPSPsPj C,P° CΨPëP±P°PIC-CΨPëPSPsPj).

PÿPëC΄C,PμPjPë PsCΨPiP°PSC-PI	P§P°C΄C,PsC,P°	PμPsP±C-C‡PSP° CΨPμP°PeC†C-CΨ
P†PSC,,PμPeC†C-C— C,P° C-PSPIP°P·C-C—	P§P°C΄C,Ps	P†PSC,,PμPeC†C-CΨ C΄PμC‡PsPIPëPIC-PrPSPëC... C€P»CΨC...C-PI, C-PSC,,PμPeC†C-CΨ PIPμCΨC...PSC-C... PrPëC...P°P»CHsPSPëC... C€P»CΨC...C-PI, P±CΨPsPSC...C-C,, PSP°P·PsC,,P°CΨPëPSPiC-C,, PiCΨPëPi, PiPμCΨPiPμC΄ CΨPsC,PsPIPsC— PiPsCΨPsP¶PSPëPSPë
PκPsPIPsC΄C,PIPsCΨPμPSPSCΨ PrPsP±CΨPsCΨPeC-C΄PSC-, P·P»PsCΨPeC-C΄PSC- C,P° PSPμC-PrPμPSC,PëC,,C-PePsPIP°PSC- (PIPeP»CΨC‡P°CΨC‡Pë PeC-C΄C,Pë C,P° PiPsP»C-PiPë)	P§P°C΄C,Ps	P—P»PsCΨPeC-C΄PSC- PSPsPIPsC΄C,PIPsCΨPμPSPSCΨ PiPμC‡C-PSPePë
P— P±PsPeC΄ C΄PëC΄C,PμPjPë PeCΨPsPIC- C,P° P»C-PjC,,P°C,PëC‡PSPsC— C΄PëC΄C,PμPjPë	P”C΄P¶Pμ C‡P°C΄C,Ps	PґPSPμPjC-CΨ
	P§P°C΄C,Ps	P>C-PjC,,PsPiPμPSC-CΨ
	PκPμC‡P°C΄C,Ps	P”PμPjPsP»C-C,PëC‡PSP° P°PSPμPjC-CΨ

P— P±PsPeCr PsP±PjC-PSCr CḡPμC±PsPIPëPS C,P° C...P°CḡC±CrPIP°PSPSCI	P"CrP¶Pμ C±P°CḡC,Ps	P—PSPëP¶PμPSPSCI P°PīPμC,PëC,Cr
	P§P°CḡC,Ps	P"C-PīPμCḡPiP»C-PePμPjC-Cḡ, PīP°C,PsP»PsPiC-C±PSP° PIC,CḡP°C,P° PjP°CḡPë C,C-P»P°
PμCḡPëC...C-C±PSC- CḡPsP·P»P°PrPë	P§P°CḡC,Ps	P" PμPīCḡPμCḡC-Cḡ, PSPμCḡPīPsPeC-PNë, PīPsCḡCrCëPμPSPSCI CḡPSCr
	PkPμC±P°CḡC,Ps	PμPsCḡCrCëPμPSPSCI CḡPIC-PrPsPjPsCḡC,C-, P·P±CrPrP¶PμPSPSCI
P— P±PsPeCr PSPμCḡPIPSPsC— CḡPëCḡC,PμPjPë	P"CrP¶Pμ C±P°CḡC,Ps	P"PsP»PsPIPSPëPNë P±C-P»CH
	P§P°CḡC,Ps	P—P°PīP°PjPsCḡPsC±PμPSPSCI, PīPsCḡCrCëPμPSPSCI CrPIP°PīPë, PrPëCḡPīPμPIP·C-Cḡ, PīPμC±C-PSPePsPIP° PμPSC±PμC,,P°P»PsPiP°C,C-Cḡ, P»PμC,P°CḡPiC-Cḡ, PīPsCḡCrCëPμPSPSCI PīP°PjBḡ™ CḡC,C-, PīP°CḡPμCḡC,PμP·C-Cḡ
P— P±PsPeCr PsCḡPiP°PSC-PI P·PsCḡCr	P§P°CḡC,Ps	PḡP°C,P°CḡP°PeC,P°, PμPeCḡCrPrP°C,Pë CḡC-C,PeC-PIPePë, CḡCrC...C-CḡC,CH PI PsC±P°C..., P¶PsPIC,CḡPSPëC±Cḡ PsC±PμPNë, PeCḡPsPIPSPiPëP»PëPI Cr CḡC-C,PeC-PIC±C-
P— P±PsPeCr PsCḡPiP°PSC-PI CḡP»CrC...Cr C,P° P»P°P±C-CḡPëPSC,Cr	P§P°CḡC,Ps	P'PμCḡC,PëPiPs
P— P±PsPeCr CḡPμCḡC±Cḡ	P§P°CḡC,Ps	PμPsCḡPëP»PμPSPSCI CḡPμCḡC±PμP±PëC,C,Cḡ
P— P±PsPeCr PrPëC...P°P»CHPSPsC— CḡPëCḡC,PμPjPë, PiCḡCrPrPSPsC— PeP»C-C,PePë C,P° CḡPμCḡPμPrPsCḡC,C-PSPSCI	P"CrP¶Pμ C±P°CḡC,Ps	PḡP°CëPμP»CH
	P§P°CḡC,Ps	P—P°PrPëCëPeP°, P±C-P»CH Cr CḡPsC,PsPiP»PsC,C±C-, P·P°PrPëCëPeP° PīCḡPë C,,C-P·PëC±PSPsPjCr PSP°PIP°PSC,P°P¶PμPSPSC-, PeP°CëPμP»CH P· PjPsPeCḡPsC,PëPSPSCI Pj
P— P±PsPeCr CëP»CrPSPePsPIPs- PePëCëPePsPIPsPiPs C,CḡP°PeC,Cr	P"CrP¶Pμ C±P°CḡC,Ps	PkCrPrPsC,P°, PrC-P°CḡPμCḡ
	P§P°CḡC,Ps	P'P»CHPIP°PSPSCI, P°CḡC±PëC,, P±C-P»CH Cr CëP»CrPSPeCr, P±C-P»CH Cr PIPμCḡC...PSC-C... PIC-PrPrC-P»P°C... CëP»CrPSPePsPIPs-PePëCëPePsPIPsPiPs C,CḡP°PeC,Cr, PrPëCḡPīPμPīCḡC-Cḡ, CḡCrC...C-CḡC,CH Cr CḡPsC,C-, P·P°PīPsCḡ, P·PrCrC,C,Cḡ, P·CrP±PSPëPNë P±C-P»CH, CḡC,PsPjP°C,PëC,, PīP°CḡC,CḡPsPμP·PsC,,P°PīPμP°P»CHPSP° CḡPμC,,P»CHPeCḡPSP° C...PIPSCḡPsP±P°, PīPμPjPsCḡPsPNë, PrPëCḡPePsPjC,,PsCḡC, Cr CëP»CrPSPeCr, PIP°CḡPëPePsP·PSPμ CḡPsP·CëPëCḡPμPSPSCI PIPμPS
	PkPμC±P°CḡC,Ps	PḡCḡPsPIPsPIPëP»PëPI P· PIPμPS CḡC,CḡP°PIPsC...PsPrCr, PīP°CḡC,CḡPëC,, PIPëCḡP°P·PePsPIPëPNë CḡC,PsPjP°C,PëC,
P— P±PsPeCr PīPμC±C-PSPePë C,P° P¶PsPIC±PsPIPëPIC-PrPSPëC... CëP»CḡC...C-PI	P§P°CḡC,Ps	P"C-PīPμCḡP±C-P»C-CḡCrP±C-PSPμPjC-Cḡ, P¶PsPIC,CḡPSPëC±Cḡ, PjPμPrPëPeP°PjPμPSC,PsP·PSPμ CrCḡP°P¶PμPSPSCI PīPμC±C-PSPePë
	PkPμC±P°CḡC,Ps	PḡCḡPsPjP±PsP· PīPsCḡC,P°P»CHPSPsC— PIPμPSPë, PīPμC±C-PSPePsPIP° PSPμPrPsCḡC,P°C,PSC-CḡC,CH

P— P±PsPeCf C€PeC-CḡPë C,P° PiC-PrC€PeC-CḡPSPëC... C,PeP°PSPëPS	P"CrP¶Pµ C‡P°CfC,Ps	PŸPIPµCḡP±C-P¶
	P§P°CfC,Ps	P'PëCfPëPi, CfCrC...C-CfC,Ch C€PeC-CḡPë, PµPeP·PµPjP°, PIPëCfPëPi P·C- CfPIPµCḡP±PµP¶PµPj, PµCḡPëC,PµPjP°, PiC-PiPµCḡPiC-PrCḡPsP·, PiPµPSPµCḡP°P»C-P·PsPIP°PSPëPNë CfPIPµCḡP±C-P¶, P°P»PsPiPµC‡C-C¶
	PkPµC‡P°CfC,Ps	PËPeC-CḡPSC- CrCḡP°P¶PµPSPSC¶, P·PjC-PSP° PePsP»ChPsCḡCr C€PeC-CḡPë, PiC-PiPµCḡPiC-PiPjPµPSC,P°C‡C-C¶ C€PeC-CḡPë, PSC-C‡PSPµ PiPsC,PsPIPëPrC-P»PµPSPSC¶
P— P±PsPeCf CfPePµP»PµC,PSPs- PjBḡ™ C¶P·PsPIPsC— C,P° CfPiPsP»CrC‡PSPsC— C,PeP°PSPëPSPë	P"CrP¶Pµ C‡P°CfC,Ps	PḡC-P°P»PiC-C¶
	P§P°CfC,Ps	PḡCḡC,CḡP°P»PiC-C¶, PjBḡ™ C¶P·PsPIC- CfPiP°P·PjPë, P±C-P»Ch Cr CfPiPëPSC-, P±C-P»Ch Cr PeC-PSC‡C-PIPeP°C..., CfPePµP»PµC,PSPs-PjBḡ™ C¶P·PsPIPëPNë P±C-P»Ch, P±C-P»Ch Cr PeC-CfC,PeP°C...
P— P±PsPeCf PSPëCḡPsPe C- CfPµC‡PsPIPëPIC-PrPSPëC... C€P»C¶C...C-PI	PkPµC‡P°CfC,Ps	PŸCḡPsPjP±PsC‡PëC,P°CḡPSP° PjC-PeCḡPsP°PSPiC-PsPiP°C,C-C¶ P· PiPsCfC,CḡPsCḡ PSPëCḡPePsPIPsCḡ PSPµPrPsCfC,P°C,PSC-CfC,Ch ^{Bḡ} , PrPëP·CrCḡC-C¶
P— P°PiP°P»ChPSC- PiPsCḡCrC€PµPSPSC¶ C,P° CfC,P°PS PjC-CfC‡C¶ PIPiPµPrPµPSPSC¶	P"CrP¶Pµ C‡P°CfC,Ps	PµC-CḡPµPeCfC-C¶, PIC,PsPjP»ChPIP°PSC-CfC,Ch, PiCḡPëPiPsPiPsPrC-P±PSPëPNë CfPëPSPrCḡPsPj, P°CfC,PµPSC-C¶, PsP·PSPsP±
	P§P°CfC,Ps	P"ḡP°C,C-PIP»PëPIC-CfC,Ch, P±C-P»Ch, PSPµP·PrCrP¶P°PSPSC¶, CḡPµP°PeC‡C-C¶ PI PjC-CfC‡C- C-PSBḡ™ C"PeC‡C-C—, P±C-P»Ch Cr PiCḡCrPrC¶C... PSPµCfPµCḡC‡PµPIPsPiPs PiPsC...PsPrP¶PµPSPSC¶, PSP°P±CḡC¶Pe, PiPµCḡPëC„PµCḡPëC‡PSPëPNë PSP°P±CḡC¶Pe
	PkPµC‡P°CfC,Ps	PŸPIPµCḡP±C-P¶ Cr PjC-CfC‡C- C-PSBḡ™ C"PeC‡C-C—, PIPëCfPëPi Cr PjC-CfC‡C- C-PSBḡ™ C"PeC‡C-C—, PrPëCfPePsPjC„PsCḡC, Cr PiCḡCrPrC¶C...

P>P°P±PsCḡP°C,PSCḡPSC- PrP°PSC-	P§P°CÍ'C,Ps	PḡC-PrPIPëC%PμPSPSCḡ CḡC-PIPSCḡ P±C-P»C-CḡCíP±C-PSCí PI PeCḡPsPIC-, P·PSPëPḡPμPSPSCḡ PjP°CÍ'Pë C,C-P»P°, P·PSPëPḡPμPSPSCḡ CḡC-PIPSCḡ P»PμPNëPePsC†PëC,C-PI, P·PSPëPḡPμPSPSCḡ CḡC-PIPSCḡ PiPμPjPsPiP»PsP±C-PSCí, PSPμPNëC,CḡPsPiPμPSC-Cḡ, PíC-PrPIPëC%PμPSPμ PjC-PḡPSP°CḡPsPrPSPμ PSPsCḡPjP°P»C-P·PsPIP°PSPμ PIC-PrPSPsC€PμPSPSCḡ, PiPsPrPsPIPḡPμPSPSCḡ P°PeC,PëPIPsPIP°PSPsPiPs C†P°CÍ'C,PePsPIPsPiPs C,CḡPsPjP±PsPiP»P°CÍ'C,PëPSPsPIPsPiPs C†P°CÍ'Cí, PíC-PrPIPëC%PμPSPSCḡ CḡC-PIPSCḡ PiP»CḡPePsP·Pë PI PeCḡPsPIC-, P·PSPëPḡPμPSPSCḡ CḡC-PIPSCḡ P°P»CḡP±CíPjC-PSCí PI PeCḡPsPIC-
	PḡPμC†P°CÍ'C,Ps	PḡPsPrPsPIPḡPμPSPSCḡ C-PSC,PμCḡPIP°P»Cí QT PSP° PμP»PμPeC,CḡPsPeP°CḡPrC-PsPiCḡP°PjC-

ᵇḡ P—PiCḡCíPiPsPIP°PSP° P·P° PiPμCḡPμPIP°PḡPSPëPjPë C,PμCḡPjC-PSP°PjPë
PsP»C-PiCíCḡC-Cḡ, PSPëCḡPePsPIP° PSPμPrPsCÍ'C,P°C,PSC-CÍ'C,Cḡ C,P°
PiPsCḡCíC€PμPSPSCḡ C,,CíPSPeC†C-C— PSPëCḡPsPe.

-

PḡPsPiCíP»CḡC†C-Cḡ PrPsCÍ'P»C-PrPḡPμPSPSCḡ PḡPḡPḡ.

PŸPëCÍ'C,PμPjPë PsCḡPiP°PSC-PI	P§P°CÍ'C,PsC,P°	PḡPsP±C-C†PSP° CḡPμP°PeC†C-Cḡ
P— P±PsPeCí CÍ'PëCÍ'C,PμPjPë PeCḡPsPIC- C,P° P»C-PjC,,P°C,PëC†PSPsC— CÍ'PëCÍ'C,PμPjPë	P§P°CÍ'C,Ps	PḡPμPNëC,CḡPsPiPμPSC-Cḡ, C-PSC,,P°CḡPeC, CÍ'PμP»PμP·C-PSPePë
P— P±PsPeCí PsP±PjC-PSCí CḡPμC†PsPIPëPS C,P° C...P°CḡC†CíPIP°PSPSCḡ	P§P°CÍ'C,Ps	PḡPμCḡPμPIP°PSC,P°PḡPμPSPSCḡ P·P°P»C-P·PsPj, P·PSPëPḡPμPSPSCḡ P°PiPμC,PëC,Cí, PiC-PiPsPiP»C-PePμPjC-Cḡ, PíC-PrPIPëC%PμPSPSCḡ P°PiPμC,PëC,Cí
PḡCÍ'PëC...C-C†PSC- CḡPsP·P»P°PrPë	P§P°CÍ'C,Ps	PḡCḡPëPIPsPḡPSC-CÍ'C,Cḡ, PrPμPiCḡPμCÍ'C-Cḡ
P— P±PsPeCí PSPμCḡPIPsPIPsC— CÍ'PëCÍ'C,PμPjPë	P°CíPḡPμ C†P°CÍ'C,Ps	P°PsP»PsPIPSPëPNë P±C-P»Cḡ, P·P°PiP°PjPsCḡPsC†PμPSPSCḡ
	P§P°CÍ'C,Ps	PḡPμPiCḡPëC,PsPjPSC-CÍ'C,Cḡ
P— P±PsPeCí PsCḡPiP°PSC-PI P·PsCḡCí	P§P°CÍ'C,Ps	PŸCíC...C-CÍ'C,Cḡ PI PsC†P°C..., PeP°C,P°CḡP°PeC,P°, PḡPsPIC,CḡPSPëC†Cḡ PsC†PμPNë, P·P°C,CíPjP°PSPμPSPSCḡ P·PsCḡCí, PiPsPiC-CḡC€PμPSPSCḡ P·PsCḡCí, PiP»P°PIP°CḡC†C- PiPsPjCíC,PSC-PSPSCḡ CÍ'PeP»PëCÍ'C,PsPiPs C,C-P»P°
P— P±PsPeCí PrPëC...P°P»CḡPSPsC— CÍ'PëCÍ'C,PμPjPë, PiCḡCíPrPSPsC— PeP»C-C,PePë C,P° CÍ'PμCḡPμPrPsCÍ'C,C-PSPSCḡ	P°CíPḡPμ C†P°CÍ'C,Ps	PḡP°C€PμP»Cḡ, P±C-P»Cḡ Cí CḡPsC,PsPiP»PsC,C†C-, CḡPëPSPsCḡPμCḡ
	P§P°CÍ'C,Ps	PḡPsCÍ'PsPIP° PeCḡPsPIPsC,PμC†P°

P— P±PsPeCf CЄP»CfPSPePsPIPs- PePЄCЄPePsPIPsPiPs C,CḡP°PeC,Cf	P"CrP¶Pμ C‡P°CfC,Ps	P"C-P°CḡPμCf, PSCfPrPsC,P°, PeCḡPsPIPsC,PsC‡PēPIC-CfC,Ch CfCfPμPS, P±C-P»Ch Cf CЄP»CfPSPeCf
	P§P°CfC,Ps	PJC,PIPsCḡPμPSPSCf PīCfC...PēCḡC†C-PI PSP° CfP»PēP·PsPIC-PNē PsP±PsP»PsPSC†C- CḡPsC,P°, P±C-P»Ch Cf CḡPsC,PsPIC-PNē PīPsCḡPsP¶PSPēPSC-, P±P»CḡPIP°PSPSCf, PrPēCfPePsPjC,,PsCḡC, Cf CЄP»CfPSPeCf, P·P°PīPsCḡ, P·PrCfC,C,Cf, PrPēCfC,,P°PiC-Cf, P·PSPμP±P°CḡPIP»PμPSPSCf PIPēPīPsCḡPsP¶PSPμPSCḡ, PSP°P±CḡCfPe CfP·PēPeP°, PīPsCḡCfCЄPμPSPSCf PjPsC,PsCḡPēPePē CЄP»CfPSPePsPIPs- PePЄCЄPePsPIPsPiPs C,CḡP°PeC,Cf, PjPμC,PμPsCḡPēP·Pj
P— P±PsPeCf PīPμC‡C-PSPePē C,P° P¶PsPIC‡PsPIPēPIC-PrPSPēC... CЄP»CfC...C-PI	P"CrP¶Pμ C‡P°CfC,Ps	PμC-PrPIPēC%PμPSPSCf CḡC-PIPSC-PI C,CḡP°PSCfP°PjC-PSP°P·
	P§P°CfC,Ps	PμC-PrPIPēC%PμPSPSCf CḡC-PIPSCf P±C-P»C-CḡCfP±C-PSCf PI PeCḡPsPIC- (PiC-PīPμCḡP±C-P»C-CḡCfP±C-PSPμPjC-Cf), P¶PsPIC,CfPSPēC†Cf
	PkPμPIC-PrPsPjPs	PḡPμPrPēPeP°PjPμPSC,PsP·PSPμ CfCḡP°P¶PμPSPSCf PīPμC‡C-PSPePē* * P·PēPīP°PrPePē PjPμPrPēPeP°PjPμPSC,PsP·PSPsPiPs CfCḡP°P¶PμPSPSCf PīPμC‡C-PSPePē P±CfP»Pē P·P°CḡPμC" CfC,CḡPsPIP°PSC- Cf PīP°C†C-C" PSC,C-PI P· P†PḡPμ C,P° P'P"Pḡ.
P— P±PsPeCf CЄPeC-CḡPē C,P° PīC-PrCЄPeC-CḡPSPēC... C,PeP°PSPēPS	P§P°CfC,Ps	PμPμC,PμC...C-C—, PIPēCfPēPī, CfPīPμCḡP±C-P¶, PeCḡPsPīPēPīḡ™ CfPSPeP°, CЄPeC-CḡPSC- CfCḡP°P¶PμPSPSCf, PjP°PeCfP»CfCḡPSPēPNē PIPēCfPēPī
	PkPμPIC-PrPsPjPs	P—PjC-PSP° PePsP»ChPsCḡCf CЄPeC-CḡPē, PīC-PīPμCḡPīC-PiPjPμPSC,P°C†C-Cf CЄPeC-CḡPē
P— P±PsPeCf CfPePμP»PμC,PSPs- Pjḡ™ CfP·PsPIPsC— C,P° CfPīPsP»CfC‡PSPsC— C,PeP°PSPēPSPē	P"CrP¶Pμ C‡P°CfC,Ps	PḡCḡC,CḡP°P»PiC-Cf, P±C-P»Ch Cf PeC-PSC†C-PIPeP°C..., Pjḡ™ CfP·PsPIC- CfPīP°P·PjPē
	P§P°CfC,Ps	P'C-P»Ch Cf CfPīPēPSC-, PjC-P°P»PiC-Cf, P±C-P»Ch PI PeC-CfC,PeP°C...
P— P±PsPeCf PSPēCḡPsPe C- CfPμC‡PsPIPēPIC-PrPSPēC... CЄP»CfC...C-PI	P§P°CfC,Ps	PfCḡPsPjP°C,CfCḡC-Cf
P—P°PīP°P»ChPSC- PīPsCḡCfCЄPμPSPSCf C,P° CfC,P°PS PjC-CfC†Cf PIPiPμPrPμPSPSCf	P"CrP¶Pμ C‡P°CfC,Ps	P'C,PsPjP»CḡPIP°PSC-CfC,Ch, PīC-CḡPμPeCfC-Cf, PsP·PSPsP±
	P§P°CfC,Ps	PḡCfC,PμPSC-Cf, PīPμCḡPēC,,PμCḡPēC‡PSPēPNē PSP°P±CḡCfPe, PSPμP·PrCfP¶P°PSPSCf
P>P°P±PsCḡP°C,PsCḡPSC- PrP°PSC-	P§P°CfC,Ps	PμC-PrPIPēC%PμPSPSCf CḡC-PIPSCf PeCḡPμP°C,PēPSC,,PsCfC,,PsPeC-PSP°P·Pē PI PeCḡPsPIC-

PḡPīPēCf PrPμCfPePēC... PīPsP±C-C‡PSPēC... CḡPμP°PeC†C-PNē.

PḡCḡPsPjP±PsPμPjP±PsP»C-C‡PSC- CfCfPeP»P°PrPSPμPSPSCf.

PJ 3 PePsPSC, C₇H₅PsP»CH₃PsPIP°PSPëC... C, P° 2 PSP_μPePsPSC, C₇H₅PsP»CH₃PsPIP°PSPëC...
 PeP»C-PSC-C₄PSPëC... PrPsC₇P»C-PrP_¶P_μPSPSC_¶C... P·P° CrC₄P°C₇C, C₇H
 446 PrPsC₇PsC₇P»PëC... C...PIPsC₇H₅PëC... C-P· P_¶P_¶P_¶, C_¶PeC- P»C-PeC₇PIP°P»PëC₇C₇H
 P_μP»CH₃C, C₇H₅PsPjP±PsP_¶PiPsPj, Cr 17 PiP°C₇C-C" PSC, C-PI PIPëPSPëPeP»Ps P·P°PiP°P»PsPj 19
 C, C₇H₅PsPjP±PsP_μPjP±PsP»C-C₄PSPëC... CrC₇PeP»P°PrPSP_μPSC₇H, C%₀₀Ps PIPeP»C₇H₅C₄P°P»Pë (Cr
 PiPsC₇C_¶PrPeC₇ P·PjP_μPSC€P_μPSPSC_¶C₄P°C₇C, PsC, Pë PIPëPSPëPePSP_μPSPSC_¶)
 C, C₇H₅PsPjP±PsP· PiP»PëP±PsPePëC... PIP_μPS (6), P»P_μPiP_μPSP_μPIC₇ P_μPjP±PsP»C-C₇H (6),
 PiPsC₇C, C₇H₅PëP_¶C-PSC,, P°C₇PeC, PjC-PsPeP°C₇PrP° (2), C₇P_μC₇H₅P_μP±C₇H₅P°P»CH₃PSPëP_¶
 C-PSC,, P°C₇PeC, (2), P_μPjP±PsP»C-C₇H (1) (PrPëPI. C₇H₅PsP·PrC-P» B«PhC₇PsP±P»PëPIPsC₇C, C-
 P·P°C₇C, PsC₇C₇PIP°PSPSC_¶B»). PJ PiP»P°C₇P_μP±PsPePsPSC, C₇H₅PsP»CH₃PsPIP°PSPsPjC₇
 PeP»C-PSC-C₄PSPsPjC₇ PrPsC₇P»C-PrP_¶P_μPSPSC- (228 PiP°C₇C-C" PSC, C-PI) PiC-C₇P»C_¶ 2
 C, PëP_¶PSC-PI P»C-PeC₇PIP°PSPSC_¶ PiP_μC₇H₅P_μPr C-PSPIP°P·C-P_¶PSPëPjPë
 PiC₇H₅PsC₇P_μPrC₇H₅P°PjPë Cr 6 P· 143 (4 %) PrPsC₇PsC₇P»PëC... PiP°C₇C-C" PSC, C-PI C-P·
 C...C₇H₅PsPSC-C₄PSPëPjPë C...PIPsC₇H₅PsP±P°PjPë PiP_μC₄C-PSPePë, C_¶PeC-
 P»C-PeC₇PIP°P»PëC₇C₇H P_μP»CH₃C, C₇H₅PsPjP±PsP_¶PiPsPj, PIPëPSPëPeP»Ps
 7 C, C₇H₅PsPjP±PsP_μPjP±PsP»C-C₄PSPëC... CrC₇PeP»P°PrPSP_μPSC₇H Cr C₇PëC₇C, P_μPjC-
 PiPsC₇C, P°P»CH₃PSPëC... PIP_μPS C, P° Cr 2 P· 145 (1 %) PiP°C₇C-C" PSC, C-PI P· PiP»P°C₇P_μP±Ps-
 PiC₇H₅CrPiPë PIPëPSPëPeP»Ps 3 C, C₇H₅PsPjP±PsP_μPjP±PsP»C-C₄PSC- CrC₇PeP»P°PrPSP_μPSPSC_¶.
 PJ 5 P· 6 PiP°C₇C-C" PSC, C-PI, C_¶PeC- P»C-PeC₇PIP°P»PëC₇C₇H
 P_μP»CH₃C, C₇H₅PsPjP±PsP_¶PiPsPj, PIPëPSPëPeP»Pë C, C₇H₅PsPjP±PsP_μPjP±PsP»C-C₄PSC-
 CrC₇PeP»P°PrPSP_μPSPSC_¶ PiC₇H₅Pë PeC-P»CH₃PePsC₇C, C- C, C₇H₅PsPjP±PsC₇PëC, C-PI
 > 200000/PjPeP».

P—P° PIPëPSC_¶C, PePsPj PeC-P»CH₃PePsC₇C, C- C, C₇H₅PsPjP±PsC₇PëC, C-PI ≥ 200000/PjPeP», PSP_μ
 P±C₇P»Ps PIPëP·PSP°C₄P_μPSPs C-PSC€PëC... C₇PiP_μC₇PëC,, C-C₄PSPëC... C₇H₅PëP·PëPe-
 C,, P°PeC, PsC₇C-PI Cr PiP°C₇C-C" PSC, C-PI, Cr C_¶PePëC... PIPëPSPëPeP°P»Pë
 C, C₇H₅PsPjP±PsP_μPjP±PsP»C-C₄PSC- CrC₇PeP»P°PrPSP_μPSPSC_¶.

PJ PePsPSC, C₇H₅PsP»CH₃PsPIP°PSPëC... PrPsC₇P»C-PrP_¶P_μPSPSC_¶C... P·P° CrC₄P°C₇C, C₇H
 PiP°C₇C-C" PSC, C-PI C-P· C, C₇H₅PsPjP±PsC₇PëC, PsPiP_μPSC-C" C₇H, C...PIPsC₇H₅PëC... PSP° P'P" P_¶,
 C_¶PeC- PsC, C₇H₅PëPjC₇PIP°P»Pë C, P_μC₇H₅P°PiC-C₇H C-PSC, P_μC₇H₅, P_μC₇H₅PsPSPsPj (n = 1439), Cr 38
 P· 955 (4 %), C_¶PeC- PsC, C₇H₅PëPjC₇PIP°P»Pë P_μP»CH₃C, C₇H₅PsPjP±PsP_¶Pi, C- 6 P· 484 (1 %)
 PiP°C₇C-C" PSC, C-PI PiC₇H₅CrPiPë PiP»P°C₇P_μP±Ps C₇H₅PsP·PIPëPSC₇P»PëC₇C₇H
 C, C₇H₅PsPjP±PsP_μPjP±PsP»C-C₄PSC- CrC₇PeP»P°PrPSP_μPSPSC_¶ (P_¶P·Pj). P—P°P·PSP°C₄P_μPSC-
 C, C₇H₅PsPjP±PsC, PëC₄PSC-/C, C₇H₅PsPjP±PsP_μPjP±PsP»C-C₄PSC- CrC₇PeP»P°PrPSP_μPSPSC_¶
 PIPeP»C₇H₅C₄P°P»Pë C_¶Pe PIP_μPSPsP·PSC-, C, P°Pe C- P°C₇C, P_μC₇H₅C-P°P»CH₃PSC- C_¶PIPëC%₀₀·.
 P_¶C₇H₅PsPjP±PsP· PiPsC₇C, P°P»CH₃PSPsC— PIP_μPSPë C" PSP°P_¶P±C-P»CH₃C€
 PiPsC€PëC₇P_μPSPëPj TEPJ PI PsP±PsC... PiC₇H₅CrPiP°C... P»C-PeC₇PIP°PSPSC_¶ (2 %
 PiP°C₇C-C" PSC, C-PI, C_¶PeC- PsC, C₇H₅PëPjC₇PIP°P»Pë P_μP»CH₃C, C₇H₅PsPjP±PsP_¶Pi, PiC₇H₅PsC, Pë
 < 1 % C, PëC..., C_¶PeC- PsC, C₇H₅PëPjC₇PIP°P»Pë PiP»P°C₇P_μP±Ps) (PrPëPI. C₇H₅PsP·PrC-P»
 B«PhC₇PsP±P»PëPIPsC₇C, C- P·P°C₇C, PsC₇C₇PIP°PSPSC_¶B»). PJ PiP°C₇C-C" PSC, C-PI P·
 PSPëP·CH₃PePëPj C₇H₅C-PIPS_μPj P°P»CH₃P±C₇PjC-PSC₇ (≤ 35 Pi/P») P°P±Ps P_¶ELD ≥ 10
 P±C₇P»Ps P·P°C,, C-PeC₇PsPIP°PSPs PIP_¶PIC-C₄C- P±C-P»CH₃C€PëP_¶C₇H₅PëP·PëPe
 C₇H₅PsP·PIPëC, PeC₇ P_¶P·PJ, PSC-P_¶ Cr PiP°C₇C-C" PSC, C-PI P· PIPëC%₀₀PëPj C₇H₅C-PIPS_μPj
 P°P»CH₃P±C₇PjC-PSC₇; Cr PiP°C₇C-C" PSC, C-PI PIC-PePsPj PIC-Pr 60 C₇H₅PsPeC-PI C₇H₅PëP·PëPe
 P_¶P·PJ P±C₇PI Cr 2 C₇H₅P°P·Pë PIPëC%₀₀PëPj Cr PiPsC₇C-PIPS_¶PSPSC- P· PjPsP»PsPrC€PëPjPë
 PiP°C₇C-C" PSC, P°PjPë.

P_μP_μC₄C-PSPePsPIP° PSP_μPrPsC₇C, P°C, PSC-C₇C, C₇H (PiC₇H₅Pë P·P°C₇C, PsC₇C₇PIP°PSPSC- P·
 C-PSC, P_μC₇H₅, P_μC₇H₅PsPSPsPj).

PI_¶PIPsC₇C- PSP° P'P" P_¶· C₇PëC₇PsP·PsPj PiP_μC₄C-PSPePë PiC₇H₅Pë PsC, C₇H₅PëPjP°PSPSC-

C, P_μCH₃P°P_iC-C— P°P»CH₃C,, P°-C-PSC, P_μCH₃C,, P_μCH₃PsPSPsPj PjP°CH₃C, CH₃ CH₃PëP·PëPe
 CH₃PsP·PIPëC, PeCr P_iP_μC±C-PSPePsPIPsC— PrP_μPePsPjP_iP_μPSC_iP°C±C-C—. PJ 2
 PePsPSC, CH₃PsP»CH₃PsPIP°PSPëC... PeP»C-PSC-C±PSPëC... PrPsC_iP»C-PrP_μPsPSC_iC... P·P°
 CrC±P°C_iC, C_μ P_iP°C±C-C”PSC, C-PI P· C, CH₃PsPjP±PsC±PëC, PsP_iP_μPSC-C”C_μ C- P’P”P_Y
 PsP·PSP°PePë P_iP_μC±C-PSPePsPIPsC— PrP_μPePsPjP_iP_μPSC_iP°C±C-C— (P°C_iC±PëC,,
 P_iP_μC±C-PSPePsPIP° P_μPSC±P_μC,, P°P»PsP_iP°C, C-C_i, PeCH₃PsPIPsC, P_μC±P° P·
 PIP°CH₃PëPePsP·PSPs CH₃PsP·CëPëCH₃P_μPSPëC... PIP_μPS, C_iP_iPsPSC, P°PSPSPëP_μ
 P±P°PeC, P_μCH₃C-P°P»CH₃PSPëP_μ P_iP_μCH₃PëC, PsPSC-C,) C_iP_iPsC_iC, P_μCH₃C-PiP°P»Pë
 C±P°C_iC, C-CëP_μ PI PiCH₃CrP_iC- P_μP»CH₃C, CH₃PsPjP±PsP_iP°PiCr (11 %), PSC-P_μ Cr PiCH₃CrP_iC-
 P_iP°P°C±P_μP±Ps (6 %). PJ P_iP°C±C-C”PSC, C-PI P· PSPëP·CH₃PePëPj CH₃C-PIPsP_μPj
 P°P»CH₃P±CrPjC-PSC_i (≤ 35 Pi/P») P°P±Ps PiCH₃Pë PiPsC±P°C, PePsPIPsPjCr P·PSP°C±P_μPSPSC-
 PiPsPeP°P·PSPëPeP° P·P° CëPeP°P»PsC_μ P_μELD ≥ 10 P±CrP»Ps P·P°C,, C-PeC_iPsPIP°PSPs
 PIC, CH₃PëC±C- P±C-P»CH₃CëPëP_μ CH₃PëP·PëPe P_iP_μC±C-PSPePsPIPsC—
 PrP_μPePsPjP_iP_μPSC_iP°C±C-C— C, P° P·P±C-P»CH₃CëP_μPSPSC_i CH₃PëP·PëPeCr
 P»P_μC, P°P»CH₃PSPëC... CrC_iPëP»P°PrPSP_μPSCH₃ P_iPsCH₃C-PIPsC_iPsPs P· C, PëPjPë, C...C, Ps
 PjP°PI PjP_μPSCë PiC-P·PSC_μ C_iC, P°PrC-C_μ P·P°C...PIPsCH₃CH₃PIP°PSPSC_i P_iP_μC±C-PSPePë.
 P·P»CH₃C, CH₃PsPjP±PsP_iP°Pi C, P°PePëPj P_iP°C±C-C”PSC, P°Pj C_iP»C-Pr PiCH₃PëP·PSP°C±P°C, Pë
 C, C-P»CH₃PePë PiC-C_iP»C_i CH₃P_μC, P_μP»CH₃PSPsC— PsC±C-PSPePë PsC±C-PeCrPIP°PSPëC...
 P_iP_μCH₃P_μPIP°Pi Cr PiPsCH₃C-PIPsC_iPsPSC- P· CH₃PëP·PëPeP°PjPë. P_μCH₃Pë P»C-PeCrPIP°PSPSC-
 P_iP°C±C-C”PSC, C-PI P· C, P°PePëPjPë C...P°CH₃P°PeC, P_μCH₃PëC_iC, PëPeP°PjPë
 PSP_μPsP±C...C-PrPSPs CrPIP°P_μPsPs PePsPSC, CH₃PsP»CH₃PIP°C, Pë C_iPëPjPiC, PsPjPë
 P_iP_μC±C-PSPePsPIPsC— PrP_μPePsPjP_iP_μPSC_iP°C±C-C— (PrPëPI. CH₃PsP·PrC-P»
 B«PhC_iPsP±P»PëPIPsC_iC, C- P·P°C_iC, PsC_iCrPIP°PSPSC_iB»).

P PëP·PëPe PiP_μPiP°C, PsC, PsPeC_iPëC±PSPsC_iC, C-

P_μC-Pr C±P°C_i PePsPSC, CH₃PsP»CH₃PsPIP°PSPëC... PeP»C-PSC-C±PSPëC...
 PrPsC_iP»C-PrP_μPsSCH₃ P»C-PeCrPIP°PSPSC_i C...CH₃PsPSC-C±PSPsC— P±P_YP_μ C-P·
 P·P°C_iC, PsC_iCrPIP°PSPSC_iPj P_μP»CH₃C, CH₃PsPjP±PsP_iP°PiCr C_iP_iPsC_iC, P_μCH₃C-PiP°P»PsC_iCH₃
 P·P±C-P»CH₃CëP_μPSPSC_i C_iPëCH₃PsPIP°C, PePsPIPëC... CH₃C-PIPsC-PI P_μP»P_Y, P_μP_YP_Y C, P°
 P±C-P»C-CH₃CrP±C-PSC_i. P_iC- P_iPsCH₃CrCëP_μPSPSC_i P±CrP»Pë P»P_μPiPePëPjPë
 (C_iC, CrPiC-PSC_μ 1b₇“2), PjP°P»Pë PsP±PsCH₃PsC, PSPëP_μ C...P°CH₃P°PeC, P_μCH₃ C, P° PSP_μ
 C_iCrPiCH₃PsPIPsPrP_μCrPIP°P»PëC_iC_i PeP»C-PSC-C±PSPs P·PSP°C±CrC%PëPjPë
 C_iPëPjPiC, PsPjP°PjPë, C_iPeC- P± C_iPIC-PrC±PëP»Pë PiCH₃Ps PiPsCH₃CrCëP_μPSPSC_i
 C,, CrPSPeC±C-C— P_iP_μC±C-PSPePë. P_YP_μCH₃P_μPr CrC±P°C_iPSPëPeC-PI 3
 P_iP»P°C±P_μP±PsPePsPSC, CH₃PsP»CH₃PsPIP°PSPëC... PrPsC_iP»C-PrP_μPSCH₃
 P»C-PeCrPIP°PSPSC_i P±P_YP_μ Cr 1 P_iP°C±C-C”PSC, P° PiCH₃CrPiPë P_iP»P°C±P_μP±Ps C- 1
 P_iP°C±C-C”PSC, P° PiCH₃CrPiPë P_μP»CH₃C, CH₃PsPjP±PsP_iP°PiCr CH₃PsP·PIPëPSC_iP»P°C_iCH₃
 P_iP_μC±C-PSPePsPIP° PSP_μPrPsC_iC, P°C, PSC-C_iC, CH₃ 4 C_iC, CrPiP_μPSC_i. PJ PrPIPsC...
 P_iP»P°C±P_μP±PsPePsPSC, CH₃PsP»CH₃PsPIP°PSPëC... PrPsC_iP»C-PrP_μPsPSC_iC...
 P»C-PeCrPIP°PSPSC_i PrC-C, P_μP_μ (PIC-PePsPj PIC-Pr 1 PrPs 17 CH₃PsPeC-PI) P·
 C...CH₃PsPSC-C±PSPsC_μ P±P_YP_μ CH₃C-PIPsC- P_μP»P_Y, P±C-P»CH₃Cë PSC-P_μ Cr 3 CH₃P°P·Pë
 PIPëC%C- P·P° PIP_μCH₃C...PSC_μ PjP_μP_μCr PSPsCH₃PjPë (P’P_μP_μ), P±CrP»Pë
 PIC_iC, P°PSPsPIP»P_μPSC- Cr 4,7 % C- 0 % P_iP°C±C-C”PSC, C-PI P· PiCH₃CrPi
 P_μP»CH₃C, CH₃PsPjP±PsP_iP°PiCr C- P_iP»P°C±P_μP±Ps PIC-PrPiPsPIC-PrPSPs.

PJ PrPIPsC... PePsPSC, CH₃PsP»CH₃PsPIP°PSPëC... PeP»C-PSC-C±PSPëC...
 PrPsC_iP»C-PrP_μPsPSC_iC... Cr C...PIPsCH₃PëC... P· P’P”P_Y CH₃C-PIPsC- P_μP_YP_Y P°P±Ps
 P_μP»P_Y, P±C-P»CH₃Cë PSC-P_μ Cr 3 CH₃P°P·Pë PIPëC%C- P·P° P’P_μP_μ, P±CrP»Pë
 PIC_iC, P°PSPsPIP»P_μPSC- Cr 34 % C- 38 % P_iP°C±C-C”PSC, C-PI P· PiCH₃CrPi
 P_μP»CH₃C, CH₃PsPjP±PsP_iP°PiCr C- P_iP»P°C±P_μP±Ps PIC-PrPiPsPIC-PrPSPs.

P—P°CÍC,PsCÍCfPIP°PSPSCl PµP»CHbC,CḡPsPjP±PsPİP°PiCÍ CḡP°P·PsPj C—P·
PİPµPiC—PSC,PµCḡC,,PµCḡPsPSPsPj/CḡPëP±PsC,,P»P°PIC—PSPsPj PİPsPIbḡ™ CİP·P°PSPs P·
PSPµPİCḡCİPjPsCḡ PiC—PİPµCḡP±C—P»C—CḡCÍP±C—PSPµPjC—C”Cḡ.
P C—PIPµPSCḡ P·P°PiP°P»CHbPSPsPiPs P±C—P»C—CḡCÍP±C—PSCÍ ≥ 1,5 × P’PḡPḲ P±CÍP»Ps
PICÍC,P°PSPsPIP»PµPSPs CÍ 76 % C— 50 % PİP°C†C—C”PSC,C—PI P· PiCḡCÍPİ
PµP»CHbC,CḡPsPjP±PsPİP°PiCÍ C— PİP»P°C†PµP±Ps PIC—PrPİPsPIC—PrPSPs.

PµC—Pr C†P°CÍ PSPµPİPsCḡC—PIPSCİP»CHbPSPsPiPs PrPsCÍP»C—PrP¶PµPSPSCİ C,,P°P·Pë P†P†
PjPsPSPsC,PµCḡC—PİP°C— CḡPµC,,CḡP°PeC,PµCḡPSPsC— PḡPḡPḡ CḡC—PIPSC— PḡPḡPḡ P°P±Ps
PḡP·Pḡ, P±C—P»CHbC€ PSC—P¶ CÍ 3 CḡP°P·Pë PİPëC‰C— P·P° P’PḡPḲ, C,P°
P·P°PiP°P»CHbPSPsPiPs (PSPµPİCḡCİPjPsPiPs) P±C—P»C—CḡCÍP±C—PSCÍ, P±C—P»CHbC€ PSC—P¶
CÍ 1,5 CḡP°P·P° PİPëC‰C— P·P° P’PḡPḲ, CÍPİPsCÍC,PµCḡC—PİP°P»PëCÍCH CÍ 5 %
PİP°C†C—C”PSC,C—PI. P C—PIPSC— P·P°PiP°P»CHbPSPsPiPs P±C—P»C—CḡCÍP±C—PSCÍ,
P±C—P»CHbC€ PSC—P¶ CÍ 1,5 CḡP°P·P° PİPëC‰C— P·P° P’PḡPḲ,
CÍPİPsCÍC,PµCḡC—PİP°P»PëCÍCH CÍ 14 % PİP°C†C—C”PSC,C—PI.

PḡCḡPsPjP±PsC†PëC,PsPİPµPSC—Cİ PİC—CÍP»Cİ PİCḡPëPİPëPSPµPSPSCİ
P»C—PeCÍPIP°PSPSCİ.

P—P° PrP°PSPëPjPë 3 PePsPSC,CḡPsP»CHbPsPIP°PSPëC... PeP»C—PSC—C†PSPëC...
PrPsCÍP»C—PrP¶PµPSCḡ, CÍPİPsCÍC,PµCḡC—PİP°P»PsCÍCİ C,CḡP°PSP·PëC,PsCḡPSPµ
P·PjPµPSC€PµPSPSCİ CḡC—PIPSCİ C,CḡPsPjP±PsC†PëC,C—PI PSPëP¶C†Pµ
PİPsC†P°C,PePsPIPsPiPs CḡC—PIPSCİ PİC—CÍP»Cİ PİCḡPëPİPëPSPµPSPSCİ
P»C—PeCÍPIP°PSPSCİ CÍ 8 % PİP°C†C—C”PSC,C—PI PiCḡCÍPİPë PµP»CHbC,CḡPsPjP±PsPİP°PiCÍ C—
8 % PiCḡCÍPİPë PİP»P°C†PµP±Ps (PrPëPI. CḡPsP·PrC—P» B«PhCÍPsP±P»PëPIPsCÍC,C—
P·P°CÍC,PsCÍCÍPIP°PSPSCİB»).

P—P±C—P»CHbC€PµPSPSCİ CḡC—PIPSCİ CḡPµC,PëPeCÍP»C—PSCÍ CÍ PeC—CÍC,PePsPIPsPjCÍ
PjPsP·PeCÍ.

P—P° PrP°PSPëPjPë PeP»C—PSC—C†PSPëC... PrPsCÍP»C—PrP¶PµPSCḡ, PSPµ P±CÍP»Ps
PİPëCİPIP»PµPSPs PsP·PSP°Pe PeP»C—PSC—C†PSPs P·PSP°C†CÍC‰PëC... PİPsCḡCÍC€PµPSCḡ
PeC—CÍC,PePsPIPsPiPs PjPsP·PeCÍ P°P±Ps PeP»C—PSC—C†PSPëC... PsP·PSP°Pe, CİPeC— P±
CÍPIC—PrC†PëP»Pë PİCḡPs PİPsCḡCÍC€PµPSPSCİ C,,CÍPSPeC†C—C— PeC—CÍC,PePsPIPsPiPs
PjPsP·PeCÍ. Pj 1 PİP°C†C—C”PSC,P° P»C—PeCÍPIP°PSPSCİ PµP»CHbC,CḡPsPjP±PsPİP°PiPsPj
P±CÍP»Ps PİCḡPëPİPëPSPµPSPs CÍ P·PIbḡ™ CİP·PeCÍ P· PİPsCİPIPsCḡ CḡPµC,PëPeCÍP»C—PSCÍ
CÍ PeC—CÍC,PePsPIPsPjCÍ PjPsP·PeCÍ (PrPëPI. CḡPsP·PrC—P» B«PhCÍPsP±P»PëPIPsCÍC,C—
P·P°CÍC,PsCÍCÍPIP°PSPSCİB»).

PİPëC,PsPİPµPSPµC,PëC†PSC— PrPµC,,PµPeC,Pë.

Pj PeP»C—PSC—C†PSPsPjCÍ PrPsCÍP»C—PrP¶PµPSPSC— C,,P°P·Pë II
PµP»CHbC,CḡPsPjP±PsPİP°PiCÍ CÍ PİPsC†P°C,PePsPIC—PNë PrPsP·C— 50 PjPi/PrPsP±CÍ (P·
PİC—PrPIPëC‰PµPSPSCİPj PrPsP·Pë PePsP¶PSC— 2 C,PëP¶PSC— PrPs
PjP°PeCÍPëPjP°P»CHbPSPsC— PrPsP·Pë 150 PjPi/PrPsP±CÍ) (ELT112523) P·P°
CÍC†P°CÍC,Cḡ PİP°C†C—C”PSC,C—PI P· CḡPµC,,CḡP°PeC,PµCḡPSPsCḡ PḡPḡPḡ
PİPëPSPëPePSPµPSPSCİ PSPsPİPëC... C†PëC,PsPİPµPSPµC,PëC†PSPëC...
PİP°C,PsP»PsPiC—PNë CÍPİPsCÍC,PµCḡC—PİP°P»PsCÍCH CÍ 17,1 % PrPsCḡPsCÍP»PëC...
PİP°C†C—C”PSC,C—PI (7/41, CÍ 4 P· CİPePëC... P±CÍP»Pë P·PjC—PSPë PI
C...CḡPsPjPsCÍPsPjC— 7). PḡPµPrC—P°PSP° C†P°CÍCÍ PrPs PİPsCİPIPİPë
C†PëC,PsPİPµPSPµC,PëC†PSPsC— PİP°C,PsP»PsPiC—C— PrPsCḡC—PIPSCḡPIP°P»P°

2,9 PjC-CÍCŁC†CŁ.

PJ PeP»C-PSC-C†PSPsPjCř PrPsCÍP»C-PrP¶PµPSPSC- C,,P°P·Pë II (ELT116826) P·P°
CřC†P°CÍC,CĤ PİP°C†C-C" PSC,C-PI P· CĤPµC,,CĤP°PeC,PµCĤPSPsCĤ PÿPĥPĥ PİCĤPë
P·P°CÍC,PsCÍCřPIP°PSPSC- PµP»CHC,CĤPsPjP±PsPİP°PiCř Cř PrPsP·C-
150 PjPi/PrPsP±Cř (P·C- P·PjC-PSP°PjPë P·P°P»PµP¶PSPs PIC-Pr PµC,PSC-C†PSPsC—
PİCĤPëPSP°P»PµP¶PSPsCÍC,C- P°P±Ps PIC-PeCř PIC-PrPİPsPIC-PrPSPs PrPs
PİPsPeP°P·P°PSCĤ) PIPëPSPëPePSPµPSPSCŁ PSPsPIPëC...
C†PëC,PsPiPµPSPµC,PëC†PSPëC... PİP°C,PsP»PsPiC-PNë
CÍPİPsCÍC,PµCĤC-PİP°P»PsCÍCH Cř 22,6 % PrPsCĤPsCÍP»PëC... PİP°C†C-C" PSC,C-PI
(7/31, Cř 3 P· CŁPePëC... P±CřP»Pë P·PjC-PSPë PI C...CĤPsPjPsCÍPsPjC- 7). P' CÍC-
7 PİP°C†C-C" PSC,C-PI PjP°P»Pë PSPsCĤPjP°P»CHPSC- C†PëC,PsPiPµPSPµC,PëC†PSC-
PİP°CĤP°PjPµC,CĤPë PSP° PIPëC...C-PrPSPsPjCř CĤC-PIPSC-. PJ C€PµCÍC,Pë
PİP°C†C-C" PSC,C-PI PIC-PrPjC-C†P°P»PëCÍCH C†PëC,PsPiPµPSPµC,PëC†PSC-
PrPµC,,PµPeC,Pë PSP° 3-PjCř PjC-CÍCŁC†C- P»C-PeCřPIP°PSPSCŁ
PµP»CHC,CĤPsPjP±PsPİP°PiPsPj. PJ PsPrPSPsPiPs PİP°C†C-C" PSC,P°
PIC-PrPjC-C†P°P»PëCÍCH C†PëC,PsPiPµPSPµC,PëC†PSC- PrPµC,,PµPeC,Pë PSP° 6-PjCř
PjC-CÍCŁC†C- P»C-PeCřPIP°PSPSCŁ.

PµC-Pr C†P°CÍ PSPµPePsPSC,CĤPsP»CHPsPIP°PSPsPiPs PIC-PrPeCĤPëC,PsPiPs
PrPsCÍP»C-PrP¶PµPSPSCŁ PÿPĥPĥ PİP°C†C-C" PSC,P°Pj PİCĤPsPIPsPrPëP»Pë
PİCřPSPeC†C-CĤ PeC-CÍC,PePsPIPsPiPs PjPsP·PeCř C,P° PsC†C-PSCĤPIP°P»Pë
C†PëC,PsPiPµPSPµC,PëC†PSC- PrPµC,,PµPeC,Pë. 8 (19 %) PİP°C†C-C" PSC,C-PI PjP°P»Pë
PSPsPIC- C†PëC,PsPiPµPSPµC,PëC†PSC- PrPµC,,PµPeC,Pë, PİPeP»CHC†P°CHC†Pë
5 PİP°C†C-C" PSC,C-PI, CŁPeC- PjP°P»Pë P·PjC-PSPë PI C...CĤPsPjPsCÍPsPjC- 7.
P—P° CĤPµP·CřP»CHC,P°C,P°PjPë PrPIPsC... PİPsC,PsC†PSPëC...
PrPsCÍP»C-PrP¶PµPSCĤ (ELT116826 C,P° ELT116643), C†PëC,PsPiPµPSPµC,PëC†PSC-
PrPµC,,PµPeC,Pë P±CřP»Pë PIPëCŁPIP»PµPSC- Cř 4 P· 28 (14 %) C,P° Cř 4 P· 62 (6 %)
PİP°C†C-C" PSC,C-PI Pİ PePsP¶PSPsPjCř PrPsCÍP»C-PrP¶PµPSPSC-.
P"µPjP°C,PsP»PsPiC-C†PSC- P·P»PsCŁPeC-CÍPSC- PSPsPIPsCřC,PIPsCĤPµPSPSCŁ.

P—P° PrP°PSPëPjPë PSPµPePsPSC,CĤPsP»CHPsPIP°PSPsPiPs PIC-PrPeCĤPëC,PsPiPs
PrPsCÍP»C-PrP¶PµPSPSCŁ PÿPĥPĥ Cř 3 (7 %) PİP°C†C-C" PSC,C-PI P±CřP»Ps
PrC-P°PiPSPsCÍC,PsPIP°PSPs PĥP" Pÿ PİC-CÍP»CŁ P»C-PeCřPIP°PSPSCŁ
PµP»CHC,CĤPsPjP±PsPİP°PiPsPj, Cř PrPIPsC... PİPsC,PsC†PSPëC...
PrPsCÍP»C-PrP¶PµPSPSCŁC... (ELT116826 C,P° ELT116643) Cř 1 P· 28 (4 %) C,P° Cř 1 P· 62 (2 %)
PİP°C†C-C" PSC,C-PI P±CřP»Ps PrC-P°PiPSPsCÍC,PsPIP°PSPs PĥP" Pÿ C,P° P"PĥP>.

PµPsPIC-PrPsPjP»PµPSPSCŁ PİCĤPs PİC-PrPsP·CĤCĤPIP°PSC- PİPsP±C-C†PSC-
CĤPµP°PeC†C-C—.

PµPsPIC-PrPsPjP»PµPSPSCŁ PİCĤPs PİPsP±C-C†PSC- CĤPµP°PeC†C-C— PİC-CÍP»CŁ
CĤPµC" CÍC,CĤP°C†C-C— P»C-PeP°CĤCÍCHPePsPiPs P·P°CÍPsP±Cř PjP°C" PIP°P¶P»PëPIPµ
P·PSP°C†PµPSPSCŁ. PİPµ PrP°C" P·PjPsPiCř PİCĤPsPIPsPrPëC,Pë PjPsPSC-C,PsCĤPëPSPİ
CÍPİC-PIPIC-PrPSPsC€PµPSPSCŁ PePsCĤPëCÍC,CH/CĤPëP·PëPe PİCĤPë
P·P°CÍC,PsCÍCřPIP°PSPSC- C†CHPsPiPs P»C-PeP°CĤCÍCHPePsPiPs P·P°CÍPsP±Cř.
PĥPµPrPëC†PSPëPj C,P° C,,P°CĤPjP°C†PµPIC,PëC†PSPëPj PİCĤP°C†C-PIPSPëPeP°Pj, P°
C,P°PePsP¶ PİP°C†C-C" PSC,P°Pj P°P±Ps C—... P·P°PePsPSPSPëPj PİCĤPµPrCÍC,P°PIPSPëPeP°Pj
CÍP»C-Pr PİPsPIC-PrPsPjP»CŁC,Pë PİCĤPs CřCÍC- PIPëPİP°PrPePë PİC-PrPsP·CĤCĤPIP°PSPëC...

PiPsP±C-C‡PSPëC... CḡPμP°PeC†C-PNḡ C,P° PIC-PrCíCfC,PSPsCíC,C-
PμC,,PμPeC,PëPIPSsCíC,C- P»C-PeP°CḡCíCḡPePsPiPs P·P°CíPsP±Cf PrPs
P”PμCḡP¶P°PIPSsPiPs PμPeCíPiPμCḡC,PSPsPiPs C†PμPSC,CḡCf PḡPhP— PJPeCḡP°C—PSPë
P·P° PiPsCíPëP»P°PSPSC¶Pj: <https://aisf.dec.gov.ua/>

PŷPμCḡPjC-PS PíCḡPëPrP°C,PSPsCíC,C-. 2 CḡPsPePë.

PJPjPsPIPë P·P±PμCḡC-PiP°PSPSC¶.

P”P»C¶ P»C-PeP°CḡCíCḡPePsPiPs P·P°CíPsP±Cf PSPμ PIPëPjP°PiP°C”C,CḡCíC¶
CíPiPμC†C-P°P»CḡPSPëC... CíPjPsPI P·P±PμCḡC-PiP°PSPSC¶. P—P±PμCḡC-PiP°C,Pë Cí
PSPμPrPsCíC,CfPiPSPsPjCf PrP»C¶ PrC-C,PμPNḡ PjC-CíC†C-.

PJPiP°PePsPIPeP°. PμPs 7 C,P°P±P»PμC,PsPe Cí P±P»C-CíC,PμCḡC-; PiPs 2 P°P±Ps 4
P±P»C-CíC,PμCḡPë PI PeP°CḡC,PsPSPSC-PNḡ PePsCḡPsP±C†C-.

PḡP°C,PμPiPsCḡC-C¶ PIC-PrPiCfCíPeCf. P—P° CḡPμC†PμPiC,PsPj.

P’PëCḡPsP±PSPëPe.

PŷC-PSC,PsPS PíC-CíPiP°PSC-C¶, Pŷ. P>. / SynthPsn HispaniP°, S.L.

**PḡC-CíC†PμP·PSP°C...PsPrP¶PμPSPSC¶ PIPëCḡPsP±PSPëPeP° C,P° P°PrCḡPμCíP°
PjC-CíC†C¶ PíCḡPsPIP°PrP¶PμPSPSC¶ PNḡPsPiPs PrC-C¶P»CḡPSPsCíC,C-.**

P’CfP». Pḡ/PḡP°CíC,PμP»P»Ps, nB° 1, PŷP°PSC, P’PsC- PrPμ P>P»PsP±CḡPμPiP°C,,
P’P°CḡCíPμP»PsPSP°, 08830, P†CíPiP°PSC-C¶ / C/Castello, nB° 1, Sant Boi de Llobregat,
Barcelona, 08830, Spain