

Р†РќРЎРЎР РЈРЉРІР†РЇ

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

P—P_hP, P•PJ P_h

(ZOLEUM)

[illegible]
$$P\check{Y}P\epsilon P\gg P^{\circ}P\Gamma:$$
$$PrC-C\bar{H}C\#P^{\circ} \quad C\bar{H}P_{\mu}C\#PsPIP\ddot{e}PSP^{\circ}: P\cdot PsP\gg P_{\mu}PrC\bar{H}PsPSPsPIP^{\circ} \quad PeP\ddot{e}C\bar{H}P\gg PsC,P^{\circ};$$

100 PjP» C₇PsP·C+PëPSCr PjC-C₇C,C₇C,C₇C P·PsP»P_μPrC₇PsPSPsPIPsC— PePëC₇P»PsC,Pë
PjPsPSPsPiC-PrC₇P°C,Cr PI P_μPrC₇P_μC₇P°C...CrPIP°PSPSC- PSP° P·PsP»P_μPrC₇PsPSPsPICr
PePëC₇P»PsC,Cr 5 PjPi;B B B B

*PrPsPiPsPjC-P¶PSC- C¶PµC¶PsPIPëPSPë: PjP°PSC-C, (P• 421), PSP°C,C¶C-C¶ C†PëC,C¶P°C,,
PIPsPrP° PrP»C¶ C-PSB¶™C"PeC†C-PN.*

B

$\text{P} \cdot \text{C} - \text{PeP}^\circ \text{C}\bar{\text{T}}\text{C}\bar{\text{T}}\text{CHPeP}^\circ \quad \text{C}_{,,}\text{PsC}\bar{\text{T}}\text{PJp}^\circ. \quad \text{P} \quad \text{PsP} \cdot \text{C} \mp \text{PëPS} \quad \text{PrP} \gg \text{C}\bar{\text{U}} \quad \text{C} - \text{PSC}_{,,}\text{CrP} \cdot \text{C} - \text{PN}_0.$

$$PhCl'PSPsPIPSC-C,,C-P\ddot{P}ePePs-C...C-PjC-C\ddot{P}SC-PIP\gg P^{\circ}Cl'C,P\ddot{e}PIPsCl'C,C-:PiC\ddot{H}PsP\cdot PsC\ddot{H}P\ddot{e}PN_{\infty} \\ P\pm P_{\mu}P\cdot P\pm P^{\circ}C\ddot{H}PIPS\ddot{e}PN_{\infty} C\ddot{H}PsP\cdot C\ddot{P}\ddot{e}PS.$$

**P α P°C $\overline{H}$ PjP°PePsC,P μ C $\overline{H}$ P°PiP μ PIc,PëC±PSP° PiC $\overline{H}$ CrPiP°. P—P°CfPsP±Pë, C%oPs
PIPiP»PëPIP°C $\overline{H}$ C,C $\overline{H}$ PSP° CfC,C $\overline{H}$ CrPeC,CrC $\overline{H}$ Cr C,P° PjC-PSPP μ C $\overline{H}$ P°P»C-P·P°C†C-C $\overline{H}$
PeC-CfC,PSPe. P'C-CfC,,PsCfC,,PsPSP°C,Pë. P $\overline{\text{L}}$ PsPr P $\overline{h}$ P $\overline{y}$ Pf M05B A08.**

$P \rightleftharpoons P^{\circ} C \bar{H} P j P^{\circ} P e P s P \gg P s P i C - C \nmid P S C - P I P \gg P^{\circ} C \bar{I} C, P \ddot{e} P I P s C \bar{I} C, C - .$

$$P\propto P^{\circ}C\overline{H}PjP^{\circ}P\epsilon P_sP_rP\ddot{e}PSP^{\circ}PjC-P\epsilon P^{\circ}.$$

$P\hbar P\mu C...P^{\circ}PSC-P\cdot P_j P\tau C-C-.$ $P-PsP\gg P_{\mu}PrC\bar{H}PsPSPsPIP^{\circ}$ $PeP\ddot{C}I'P\gg PsC,P^{\circ}PSP^{\circ}P\gg P_{\mu}P\Pi P\ddot{C},CH$
 $PrPs PeP\gg P^{\circ}C\bar{I}C\bar{r}$ $P^{\circ}P\cdot PsC,PsPIPjC-C\bar{I}'PSP\ddot{C}...$ $P\pm C-C\bar{I}'C,,PsC\bar{I}'C,,PsPSP^{\circ}C,C-PI$ $C-PrC-C''$
 $PSP^{\circ}C\bar{I}'P^{\circ}P_jPiP_{\mu}C\bar{H}P_{\mu}Pr$ PSP° $PeC-C\bar{I}'C,PeP\ddot{C}.$ $P'PsPSP^{\circ}C''$ $C-PSPiC-P\pm C-C,PsC\bar{H}PsP_j$
 $PsPiPsC\bar{I}'P_{\mu}C\bar{H}P_{\mu}PrPePsPIP^{\circ}PSPsC-$ $PsC\bar{I}'C,P_{\mu}PsPeP\gg P^{\circ}C\bar{I}'C,PsP_j C\bar{H}P_{\mu}P\cdot PsC\bar{H}P\pm C\bar{I}'C-C-$
 $PeC-C\bar{I}'C,PePsPIP sC- C,PeP^{\circ}PSP\ddot{C}PSP\ddot{C}.$

$$P\alpha P^{\circ}C\bar{H}PjP^{\circ}PePsP\tau P\ddot{e}PSP^{\circ}PjC-C\sharp PSC-P\mu C,,P\mu PeC,P\ddot{e}.$$

PŸPµP»PµPeC,PëPIPPSP° PrC-CI P±C-CÍC,,PsCÍC,,PsPSP°C,C-PI PSP° PeC-CÍC,PëPë
 P·CfPjPsPIP»PµPSP° C—C... PIPëCÍPsPePsCĤ CÍPíPsCĤC-PrPSPµPSC-CÍC,CĤ P·
 PjC-PSPµCĤP°P»C-P·PsPIP°PSPsCĤ PeC-CÍC,PePsPIPsCĤ C,PeP°PSPëPSPsCĤ.
 P“PsP»PsPIPPSPsCĤ PjPsP»PµPeCfP»CÍCĤPSPsCĤ PjC-CëPµPSPSCĤ
 P·PsP»PµPrCĤPsPSPsPIPsC— PePëCÍP»PsC,Pë PI PsCÍC,PµPsPeP»P°CÍC,C- C”
 C,,PµCĤPjPµPSC, C,,P°CĤPSPµP·PëP»PíC-CĤPsC,,PsCÍC,,P°C,CÍPëPSC,P°P·P°. P”PsPIPiP°
 C,CĤPëPIP°P»C-CÍC,CĤ PrC-C— P·PsP»PµPrCĤPsPSPsPIPsC— PePëCÍP»PsC,Pë
 P·CfPjPsPIP»PµPSP° C—C— PIPëCÍPsPePsCĤ CÍPíPsCĤC-PrPSPµPSC-CÍC,CĤ
 P·PIBĤ™ CIIP·CfPIP°PSPSCCI P· P°PeC,PëPIPPSPëPj C†PµPSC,CĤPsPj
 C,,P°CĤPSPµP·PëP»PíC-CĤPsC,,PsCÍC,,P°C,CÍPëPSC,P°P·Pë C,P° CÍPëP»CĤPSPsCĤ
 CÍPíPsCĤC-PrPSPµPSC-CÍC,CĤ PrPs P·PIBĤ™ CIIP·CfPIP°PSPSCCI P·
 PeC-CÍC,PePsPIPëPjPë PjC-PSPµCĤP°P»P°PjPë.

P>C-PeCfPIP°PSPSCCI P·PsP»PµPrCĤPsPSPsPIPsCĤ PePëCÍP»PsC,PsCĤ CëPIPëPrPePs
 P·PjPµPSCëCfC” C-PSC,PµPSCÍPëPIPPSC-CÍC,CĤ PjPµC,P°P±PsP»C-P·PjCf PI
 PeC-CÍC,PePsPIC-PNë C,PeP°PSPëPSC-: PIC-Pr PíC-PrPIPëC%PµPSPëC... Cí
 PíPsCÍC,PeP»C-PjP°PeC,PµCĤPëC†PSPëPNë PíPµCĤC-PsPr CĤC-PIPPSC-PI P·
 PSP°PNëPSPëP¶C†PsCĤ C,PsC†PePsCĤ PrP»CI PjP°CĤPePµCĤC-PI
 CĤPµCÍPsCĤP±C†C-C— PSP° CÍCĤPsPjCf PrPsP±Cf C- PrPs PjP°CĤPePµCĤC-PI
 C,,PsCĤPjP°C†C-C— PSP° 12-PNë C,PëP¶PrPµPSCĤ. PµC-CÍP»CI C†CĤPsPiPs
 CĤC-PIPPSCĤ PjP°CĤPePµCĤC-PI CÍC,P°PSCf PeC-CÍC,PePsPIPsC— C,PeP°PSPëPSPë
 PICÍC,P°PSPsPIP»CĤPIP°PICÍCI Cí PjPµP¶P°C... PrC-P°PíP°P·PsPSCf, C%Ps
 CÍPíPsCÍC,PµCĤC-PiP°PICÍCI PrPs PjPµPSPsPíP°CfP·Pë. PkPµ
 CÍPíPsCÍC,PµCĤC-PiP°P»PsCÍCI PíCĤPsPiCĤPµCÍCfCĤC†PsPiPs P·PSPëP¶PµPSPSCCI
 CĤC-PIPPSCCI PjP°CĤPePµCĤC-PI PjPµC,P°P±PsP»C-P·PjCf PI PeC-CÍC,PePsPIC-PNë
 C,PeP°PSPëPSC- PíCĤPë PIPIPµPrPµPSPSC- PíPsPIC,PsCĤPSPëC... C%PsCĤC-C†PSPëC...
 PrPsP·.

PµP»C-PSC-C†PSP° PµC,,PµPeC,PëPIPPSC-CÍC,CĤ P»C-PeC¿PIP°PSPSCCI
PíPsCÍC,PjPµPSPsPíP°C¿P·PSPsPiPs PsCÍC,PµPsPíPsCĤPsP·C¿

P·C,,PµPeC,PëPIPPSC-CÍC,CĤ C,P° P±PµP·PíPµPeP° P·PsP»PµPrCĤPsPSPsPIPsC—
 PePëCÍP»PsC,Pë PI PrPsP·C- 5 PjPi 1 CĤP°P· PSP° CĤC-Pe PíPíCĤPsPrPsPIP¶ 3 CĤPsPeC-PI
 PíPsCÍPíC-P»CĤ P±CfP»Pë PrPsPIPµPrPµPSC- PrP»CI P¶C-PSPsPe Cí PíPµCĤC-PsPrC-
 PíPsCÍC,PjPµPSPsPíP°CfP·Pë (7736 P¶C-PSPsPe PIC-PePsPj 65BĤ“89 CĤPsPeC-PI) P·
 C,P°PePëPjPë PíPsPeP°P·PSPëPeP°PjPë: PŸ-PíPsPeP°P·PSPëPe PjC-PSPµCĤP°P»CĤPSPsC—
 C%C-P»CĤPSPsCÍC,C- PeC-CÍC,PePsPIPsC— C,PeP°PSPëPSPë (PĤP©PĤPŸ) Cí
 PrC-P»CIIPSC†C- CëPëPNëPePë CÍC,PµPiPSP° ≤ BĤ“1,5 C,P° PíCĤPëPSP°PNëPjPSC- PsPrPëPS
 PíPµCĤPµP»PsPj C...CĤPµP±C†CI PíPsPjC-CĤPSPsC— C,CIP¶PePsCÍC,C- P°P±Ps PrPIP°
 P»PµPiPePëC...; PŸ-PíPsPeP°P·PSPëPe PĤP©PĤPŸ CëPëPNëPePë CÍC,PµPiPSP° ≤ BĤ“2,5 P·
 PsP·PSP°PeP°PjPë PíPµCĤPµP»PsPjCf C...CĤPµP±C†CI P°P±Ps P±PµP·. 85 %
 PíP°C†C-C”PSC,PsPe CĤP°PSC-CëPµ PSC-PePsP»Pë PSPµ PíCĤPëPNëPjP°P»Pë
 P±C-CÍC,,PsCÍC,,PsPSP°C,Pë. P-C-PSPePë, CIIPeC- PíCĤPsC...PsPrPëP»Pë
 PsC†C-PSCĤPIP°PSPSCCI C%PsPrPs C†P°CÍC,PsC,Pë PíPµCĤPµP»PsPjC-PI C...CĤPµP±C†C-PI,
 PSPµ PsC,CĤPëPjCfPIP°P»Pë PsPrPSPsC†P°CÍPSPsC— C,PµCĤP°PíC-C— P· PíCĤPëPIPsPrCf
 PsCÍC,PµPsPíPsCĤPsP·Cf, P·P°CÍC,PsCÍCfPIP°PSPSCCI CIIPePsC— PrPsP·PIPsP»CIIP»PsCÍCI Cí
 P¶C-PSPsPe, PíPeP»CĤC†PµPSPëC... PI PsC†C-PSCĤPIP°PSPSCCI PíPµCĤPµP»PsPjC-PI
 CÍC,PµPiPSP° C,P° CíCÍC-C... PeP»C-PSC-C†PSPs PIPëCĤP°P¶PµPSPëC... PíPµCĤPµP»PsPjC-PI.
 PĤPrPSPsC†P°CÍPSP° C,PµCĤP°PíC-CI P· PíCĤPëPIPsPrCf PsCÍC,PµPsPíPsCĤPsP·Cf

PIPeP»CĤC†P°P»P°: PeP°P»CHC†PëC,PsPSC-PS, CĤP°P»PsPeCĤPëC,,PμPS,
C,P°PjPsPeCĤPëC,,PμPS, PiPsCĤPjPsPSP°P»CHPSCr P·P°PjC-CĤPSCr C,PμCĤP°PïC-CĤ,
C,PëP±PsP»PsPS; C-PSC€C- P±C-CĤC,,PsCĤC,,PsPSP°C,Pë P±C†P»Pë PIPëPeP»CĤC†PμPSC-.
PjCĤC- P¶C-PSPePë PrPsPrP°C,PePsPIPs PsC,CĤPëPjC†PIP°P»Pë PIC-Pr 1000 PrPs 1500 PjPi
PμP»PμPjPμPSC,P°CĤPSPSPiPs PeP°P»CHC†C-CĤ C,P° PIC-Pr 400 PrPs 1200 PĥPh
PIC-C,P°PjC-PSCr D PSP° PrPsP±C†.

P'PiP»PëPI PSP° PjPsCĤC,,PsPjPμC,CĤPëC†PSC- PiPμCĤPμP»PsPjPë C...CĤPμP±C†C-PI

P>C-PeC†PIP°PSPSCĤ P·PsP»PμPrCĤPsPSPsPIPsCĤ PePëCĤP»PsC,PsCĤ CĤC,P°C,PëCĤC,PëC†PSPs
P·PSP°C†C†C%Pμ P·PjPμPSC€C†PIP°P»Ps C†P°CĤC,PsC,C† PsPrPSPsPiPs P°P±Ps
PrPμPeC-P»CHPePsC... PSPsPIPëC... PiPμCĤPμP»PsPjC-PI C...CĤPμP±C†C-PI PiCĤPsC,CĤPiPsPj
C,CĤCHPsC... CĤPsPeC-PI C† C†P°CĤPsPIC-PNë C,PsC†C†C- PIP¶Pμ C†PμCĤPμP· PsPrPëPS
CĤC-Pe (PrPëPI. C,P°P±P»PëC†CĤ 1).

PÿP°P±P»PëC†CĤ 1

P PμP·CĤPjPμ PrP°PSPëC... P· PμC,,PμPeC,PëPIPSPsCĤC,C- CĤC,PsCĤPsPIPSPs
PiPμCĤPμP»PsPjC-PI C...CĤPμP±C†C-PI C†PμCĤPμP· 12, 24 C,P° 36 PjC-CĤCĤC†C-PI

P PμP·C†P»CHC,P°C, P—PsP»PμPrCĤPsPSPsPIP° PePëCĤP»PsC,P° (%)		PμP»P°C†PμP±Ps (%)	PĥP±CĤPsP»CĤC,PSPμ P·PjPμPSC€PμPSPSCĤ C†P°CĤC,PSC,Pë PiPμCĤPμP»PsPjC-PI % (PrPsPIC-CĤC†PëPNë C-PSC,PμCĤPIP°P» бĤ“ P”P†)	P’C-PrPSPsCĤPSPμ P·PjPμPSC€PμPSPSCĤ C†P°CĤC,PSC,Pë PiPμCĤPμP»PsPjC-PI % (P”P†)
PμCĤPëPSP°PNëPjPSC- PsPrPëPS PSPsPIPëPNë PiPμCĤPμP»PsPj C...CĤPμP±C†CĤ (0бĤ“1 CĤC-Pe)	1,5	3,7	2,2 (1,4, 3,1)	60 (43, 72)*
PμCĤPëPSP°PNëPjPSC- PsPrPëPS PSPsPIPëPNë PiPμCĤPμP»PsPj C...CĤPμP±C†CĤ (0бĤ“2 CĤPsPePë)	2,2	7,7	5,5 (4,4, 6,6)	71 (62, 78)*
PμCĤPëPSP°PNëPjPSC- PsPrPëPS PSPsPIPëPNë PiPμCĤPμP»PsPj C...CĤPμP±C†CĤ (0бĤ“3 CĤPsPePë)	3,3	10,9	7,6 (6,3, 9,0)	70 (62, 76)*

* p < 0,0001

Pj PiP°C†C-C”PSC,C-PI PIC-PePsPj PIC-Pr 75 CĤPsPeC-PI, CĤPeC- PsC,CĤPëPjC†PIP°P»Pë
P»C-PeC†PIP°PSPSCĤ P·PsP»PμPrCĤPsPSPsPIPsCĤ PePëCĤP»PsC,PsCĤ, P·PjPμPSC€PëPICĤCĤ
CĤPëP·PëPe PiPμCĤPμP»PsPjC-PI C...CĤPμP±C†C-PI PSP° 60 % PiPsCĤC-PIPSCĤPSPs P·
PiP°C†C-C”PSC,P°PjPë PiCĤC†PiPë PiP»P°C†PμP±Ps (CĤ < 0,0001).

P'PiP»PëPI PSP° PiPμCĤPμP»PsPjPë CĤC,PμPiPSP°

P”PsPIPμPrPμPSPs CĤC,C-PNëPePëPNë PμC,,PμPeC, P·PsP»PμPrCĤPsPSPsPIPsC— PePëCĤP»PsC,Pë
PIPiCĤPsPrPsPIP¶ 3 CĤPsPeC-PI, C%Ps P·C†PjPsPIPëPI P·PjPμPSC€PμPSPSCĤ CĤPëP·PëPeC†

ПірмЧПм»ПсПjC-PI CГC, PмPіPSP° PSP° 41 % (95 % P"Pt, 17 % PrPs 58 %). P\$P°CГC, PsC, P°
 ПірмЧПм»ПсПjC-PI CГC, PмPіPSP° CГC, P°PSPsPIPëP»P° 1,44 % Cр PіP°CГC-C"PSC, C-PI, CПPeC-
 PsC, CГPëPjCрPіP°P»Pë P·PsP»PмPrCГPSPSPsPICр PePëCГP»PsC, Cр, PіPsCГC-PIPSCПPSPs P· 2,49
 % CГPмЧПмPr PіP°CГC-C"PSC, C-PI, CПPeC- PsC, CГPëPjCрPіP°P»Pë PіP»P°CГPм±Ps.
 P—PjPмPSCєPмPSPSCП CГPëP·PëPeCр CГC, P°PSPsPIPëP»Ps 51 % Cр PіP°CГC-C"PSC, C-PI,
 CПPeC- CГP°PSC-CєPм PSC-PePsP»Pë PSPм PіCГPëPмPjP°P»Pë P±C-CГC,, PsCГC,, PsPSP°C, Pë,
 C, P° 42 % Cр PіP°CГC-C"PSC, C-PI, CПPePëPj PrPsP·PIPsP»CПPICГCП PsPrPSPsC±P°CГPSPëPм
 PіCГPëPмPsPj C, PмЧПP°PіC-C— P· PіCГPëPIPsPrCр PsCГC, PмPsPіPsCГPSP·Cр.

P'PіP»PëPI PSP° PeP»C-PSC-C±PSPs PIPëCГP°PПPмPSC- PіPмЧПм»ПсПjPë

PJCГC- PeP»C-PSC-C±PSPs PIPëCГP°PПPмPSC- PіPмЧПм»ПсПjPë
 PrC-P°PіPSPsCГC, CрPіP°P»PëCГCП PSP° PsCГPSPsPIC- CГPмPSC, PіPмPSPsPіCГP°C,, C-C—
 C, P°/P°P±Ps PeP»C-PSC-C±PSPëC... PrP°PSPëC... P Pм·CрP»CHC, P°C, Pë
 PіCГPмPrCГC, P°PIP»PмPSPs Cр C, P°P±P»PëCГC- 2.

PŷP°P±P»PëCГCП 2

P\$P°CГC, PsC, P° PeP»CHC±PsPIPëC... PіPsPeP°P·PSPëPeC-PI PeP»C-PSC-C±PSPs
 PIPëCГP°PПPмPSPëC... PіPмЧПм»ПсПjC-PI PіCГPsC, CПPіPsPj 3 CГPsPeC-PI

$P \rightarrow P_{\mu}P \cdot C \dot{r} P \gg CHC, P^{\circ}C,$	$P \rightarrow P_sP \gg P_{\mu}PrC\dot{T}P_sPSPsPIP^{\circ}$ $PeP \ddot{e}C\dot{r}P \gg PsC, P^{\circ}$ (N = 3875), $C \dot{\pm} P^{\circ}C\dot{r}C, PsC, P^{\circ}$ $C\dot{I}PIPeC\%P^{\circ} (\%)$	$P_{\mu}P \gg P^{\circ}C \dot{\pm} P_{\mu}P \pm Ps$ (N = 3861), $C \dot{\pm} P^{\circ}C\dot{r}C, PsC, P^{\circ}$ $C\dot{I}PIPeC\%P^{\circ} (\%)$	$P_{\dot{h}}P \pm C\dot{r}P_sP \gg CHC, PSP_{\mu}$ $P \cdot P_jP_{\mu}PSC \ddot{e}P_{\mu}PSPSC\dot{I}$ $C \dot{\pm} P^{\circ}C\dot{r}C, PsC, P \ddot{e}$ $P\dot{i}P_{\mu}C\dot{T}P_{\mu}P \gg PsP_jC-PI$ % (P''P†)	$P'C-PrPSPsC\dot{r}PSP_{\mu}$ $P \cdot P_jP_{\mu}PSC \ddot{e}P_{\mu}PSPSC\dot{I}$ $C\dot{T}P \ddot{e}P \cdot P \ddot{e}PeC\dot{r}$ $C \dot{\pm} P^{\circ}C\dot{r}C, PsC, P \ddot{e}$ $P\dot{i}P_{\mu}C\dot{T}P_{\mu}P \gg PsP_jC-PI$ % (P''P†)
$P'C \dot{r} PrCH \dot{h}-C\dot{I}PeP \ddot{e}PN \ddot{e}$ $PeP \gg C-PSC-C \dot{\pm} PSPs$ $B \rightarrow PIP \ddot{e}C\dot{T}P^{\circ}P \dot{I}P_{\mu}PSP \ddot{e}PN \ddot{e}$ $P\dot{i}P_{\mu}C\dot{T}P_{\mu}P \gg PsP_j (1)$	8,4	12,8	4,4 (3,0, 5,8)	33 (23, 42)**
$P_{\dot{L}}P \gg C-PSC-C \dot{\pm} PSPs$ $PIP \ddot{e}C\dot{T}P^{\circ}P \dot{I}P_{\mu}PSP \ddot{e}PN \ddot{e}$ $P\dot{i}P_{\mu}C\dot{T}P_{\mu}P \gg PsP_j$ $C \dots C\dot{T}P_{\mu}P \pm C \dot{\pm} C\dot{I} (2)$	0,5	2,6	2,1 (1,5, 2,7)	77 (63, 86)**
$P_{\mu}P_{\mu}C\dot{T}P_{\mu}P \gg PsP_j \ C-PSC \ddot{e}PsC-$ $P \gg PsPeP^{\circ}P \gg C \cdot P \cdot P^{\circ}C \dot{\pm} C-C-$ (1)	8,0	10,7	2,7 (1,4, 4,0)	25 (13, 36)*

*p < 0,001.

**p < 0,0001.

(1) P—P° PIPëPSCПC, PePsPj PIPмP»PëPePsPіPs PіP°P»CHCГCП PePëCГC, C-, PIPмP»PëPePsPіPs
 PіP°P»CHCГCП CГC, PsPіPë C, P° PіPмЧПм»ПсПjC-PI PeC-CГC, PsPe P»PëCГCHPsPIPsPіPs
 C±PмЧПмPіP°.

(2) P'PeP»CHC±P°CHC±Pë PeP»C-PSC-C±PSPs PIPëCГP°PПPмPSC- PіPмЧПм»ПсПjPë
 PіCГCрPrPSPsC— PeP»C-C, PePë C, P° PіPsPіPмЧПмPePsPIPëC... C...CГPмP±CГC-PI.

*P'PіP»PëPI PSP° PjC-PSPмЧПP°P»CHPSCž C%C-P»CHPSC-CГC, CH PeC-CГC, PePsPIPsC—
 C, PeP°PSPëPSPë (PмP©PмPŷ)*

PќP° C, P»C- P»C-PeCрPіP°PSPSCП P·PsP»PмPrCГPSPSPsPIPsCГ PePëCГP»PsC, PsCГ

CГPиPсCГC, PиCГC-PиP°P»PсCГC CГC, P°C, PеCГC, PеC±PSPs P·PSP°C±CГC%Pи
 PиC-PrPIPеC%PиPSPSC C PиP°P PиPиPиCГPиPеPсPIPеC... C...CГPиP±CГC-PI,
 PеC-CГC, PсPе CГC, PиPиPSP° C, P° PrPеCГC, P°P»CHPSPsPiPs PIC-PrPrC-P»CГ
 PиCГPсPjPиPSPиPиC— PеC-CГC, PеPе PIC-PrPSPсCГPSPs P»C-PеCГPиP°PSPSC C
 PиP»P°C±PиP±Ps PI CГCГC-C... C±P°CГPсPIPеC... C, PсC±PеP°C... (6, 12, 24 C, P° 36
 PjC-CГC CГC-PI). P»C-PеCГPиP°PSPSC C P·PсP»PиPrCГPсPSPsPiPsC PеPеCГP»PсC, PсCГ
 P·CГPjPсPIPеP»Ps P·CГPсCГC, P°PSPSC C PSP° 6,7 % PиP°P PиPиPиCГPиPеPсPIPеC...
 C...CГPиP±CГC-PI, PSP° 6,0 % бГ CГCГC-C... PеC-CГC, PсPе CГC, PиPиPSP°, PSP° 5,1 % бГ
 C€PеPN PеPе CГC, PиPиPSPсPiPsC— PеC-CГC, PеPе C, P° PSP° 3,2 % бГ PrPеCГC, P°P»CHPSPsPiPs
 PIC-PrPrC-P»CГ PиCГPсPjPиPSPиPиC— PеC-CГC, PеPе PиPсCГC-PIPSC C PSPs P·
 PиP»P°C±PиP±Ps PиCГPсC, CиPиPсPj 3 CГPсPеC-PI.

P°C-CГC, PсP»PсPiC-C C PеC-CГC, PеPсPiPsC— C, PеP°PSPеPSPе

P°C-PсPiC, P°C, Pе PеC-CГC, PсPе P·P°P±PеCГP°P»PеCГCH C-P· PиCГPиP±PиPSC C
 PеP»CГP±PсPiPsC— PеC-CГC, PеPе C±PиCГPиP· 1 CГC-Pе PиC-CГP»C C, CГPиC, CHPсC—
 C%PсCГC-C±PSPсC— PrPсP·Pе CГ 152 PиP°CГC-C°PSC, PсPе CГ PиPсCГC, PjPиPSPсPiP°CГP·C- P·
 PсCГC, PиPсPiPsCГPсP·PсPj, P· PиCГPеPiPsPrCГ CиPеPсPiPs PиCГPсPiPsPrPеP»PсCГ C
 P»C-PеCГPиP°PSPSC C P·PсP»PиPrCГPсPSPsPiPsC PеPеCГP»PсC, PсCГ (N = 82) P°P±Ps
 PиP»P°C±PиP±Ps (N 70). P°C-CГC, PсPjPсCГC, PсPjPиC, CГPеC±PSPеPN P°PSP°P»C-P·
 PиPсPеP°P·P°PI P·PjPиPSC€PиPSPSC CГPиPjPсPrPиP»CHPиP°PSPSC C PеC-CГC, PеPе PSP° 63 %.
 Pj PиP°CГC-C°PSC, PсPе, CиPеC- PсC, CГPеPjCГPиP°P»Pе P»C-PеCГPиP°PSPSC C
 P·PсP»PиPrCГPсPSPsPiPsC PеPеCГP»PсC, PсCГ, PSPи P±CГP»Ps PиPеCиPиP»PиPSPs
 PсCГC, PиPсPjP°P»CиCГC-C—, C, C-P±CГPсP·CГ PеC-CГC, PеPсPiPsPiPs PjPсP·PеCГ P°P±Ps
 C, PсCГPjCГPиP°PSPSC C PSPиP·CГC-P»PсC— PеC-CГC, PеPсPiPsC— C, PеP°PSPеPSPе.
 PыPиC, CГP°CГPеP»C-PSPсPiP° PjC-C, PеP° PиPеP·PSP°C±P°P»P°CГCH CГ 81 P· 82
 P±C-PсPiC, P°C, C-PI, PсC, CГPеPjP°PSPеC... PIC-Pr PиP°CГC-C°PSC, PсPе PиCГCГPиPе
 P·PсP»PиPrCГPсPSPsPiPsC— PеPеCГP»PсC, Pе. PиC-PеCГPсPеPсPjPиPиCГ CГC, PиCГPSPеPN
 C, PсPjPсPiCГP°C, C-C±PSPеPN (PjPеPиPы) P°PSP°P»C-P· PиPсPеP°P·P°PI
 P·P±C-P»CHC€PиPSPSC C PсP±бГ C°PjCГ CГPиPсPiC-PсP·PSPсC— CГPиC±PсPiPеPSPе
 PеC-CГC, PеPе C, P° P·P±PиCГPиPиPиPSPSC C P°CГC...C-C, PиPеC, CГCГPе
 CГPиPсPSPиC-PсP·PSPсC— PеC-CГC, PеPе CГ PиP°CГC-C°PSC, PсPе PиCГCГPиPе
 P·PсP»PиPrCГPсPSPsPiPsC— PеPеCГP»PсC, Pе PиPсCГC-PIPSC C PSPs P· PиP°CГC-C°PSC, PеP°PjPе
 PиCГCГPиPе PиP»P°C±PиP±Ps.

PиP°CГPеPиCГPе CГPиPjPсPrPиP»CHPиP°PSPSC C PеC-CГC, PеPсPiPsC— C, PеP°PSPеPSPе

PыPиPиCГPеC, C-C±PSP° PrP»C C PеC-CГC, PеPсPiPsC— C, PеP°PSPеPSPе P»CГPиPSP°
 C, PсCГC, P°C, P°P·P° (BSAP), CГPеCГPсPiPиP°C, PеPсPiPеPN N-PеC-PSC±PиPиPеPN
 PиCГPсPiPиPиC, PеPr PеPсP»P°PiPиPSC P± C, PеPiCГ (P1NP) C, P° CГPеCГPсPiPиP°C, PеPсPIC-
 P±PиC, P°-Pы-C, PиP»PсPiPиPиC, PеPrPе (b-CTX) PиPеP·PSP°C±P°P»PеCГ Cи PI PиC-PrPиCГCГPиP°C...
 PIC-Pr 517 PrPs 1246 PиP°CГC-C°PSC, C-PI P· PиPиCГC-PсPrPеC±PSPеPjPе
 C-PSC, PиCГPиP°P»P°PjPе PиPиCГPсPrPсPiPи CГCГCHPсPiPs PrPсCГP»C-PrPиPиPSPSC C. PкP°
 C, P»C- P»C-PеCГPиP°PSPSC C P·PсP»PиPrCГPсPSPsPiPsC PеPеCГP»PсC, PсCГ CГ
 C%PсCГC-C±PSC-PN PrPсP·C- 5 PjPi CГPиPсCГC, PиCГC-PиP°P»PсCГ Cи
 CГC, P°C, PеCГC, PеC±PSPs P·PSP°C±CГC%Pи P·PSPеPиPиPSPSC C CГC-PIPSC Cи
 CГPиPиCГPеC, C-C±PSPсC— PrP»C C PеC-CГC, PеPсPiPsC— C, PеP°PSPеPSPе P»CГPиPSPсC—
 C, PсCГC, P°C, P°P·Pе PSP° 30 % PIC-PrPSPсCГPSPs PиPеC...C-PrPSPсPiPs PиPсPеP°P·PSPеPеP°
 C±PиCГPиP· 12 PjC-CГC CГC-PI, C%Pс P·P±PиCГC-PиP°P»PсCГ Cи PSP° CГC-PIPSC- PSP° 28 %
 PSPеPиC±Pи PиPеC...C-PrPSPсPiPs PиPсPеP°P·PSPеPеP° C±PиCГPиP· 36 PjC-CГC CГC-PI.
 P C-PIPиPSC N-PеC-PSC±PиPiPs PиCГPсPiPиPиC, PеPrCГ P±CГPI CГC, P°C, PеCГC, PеC±PSPs
 P·PSP°C±CГC%Pи (PSP° 61 %) PSPеPиC±Pи PиPеC...C-PrPSPсPiPs PиPсPеP°P·PSPеPеP°

C#PμCḡPμP· 12 PjC-Cl'ClC†C-PI C- P·P±PμCḡC-PiP°PICl'ClC PSP° CḡC-PIPSC- PSP° 52 %
PSPëP¶C#Pμ PIPëC...C-PrPSPsPiPs PiPsPeP°P·PSPëPeP° C#PμCḡPμP· 36 PjC-Cl'ClC†C-PI.
P C-PIPμPSCḡ P±PμC,P°-PŸ-C,PμP»PsPiPμPiC,PëPrCr P±CrPI Cl'C,P°C,PëCl'C,PëC#PSPs
P·PSP°C#CrC%oPμ (PSP° 61 %) PSPëP¶C#Pμ PIPëC...C-PrPSPsPiPs PiPsPeP°P·PSPëPeP°
C#PμCḡPμP· 12 PjC-Cl'ClC†C-PI C- P·P±PμCḡC-PiP°PICl'ClC PSP° CḡC-PIPSC- PSP° 55 %
PSPëP¶C#Pμ PIPëC...C-PrPSPsPiPs PiPsPeP°P·PSPëPeP° C#PμCḡPμP· 36 PjC-Cl'ClC†C-PI.
PJPiCḡPsPrPsPIP¶ CrCl'CHPsPiPs PiPμCḡC-PsPrCr P»C-PeCrPIP°PSPSCl P·PSP°C#PμPSPSCl
PjP°CḡPePμCḡC-PI CḡPμPjPsPrPμP»CḡPIP°PSPSCl PeC-Cl'C,PePë P·PSP°C...PsPrPëP»PëCl'ClC
Cr PjPμP¶P°C... PiPμCḡPμPrPjPμPSPsPiP°CrP·PSPsPiPs PrC-P°PiP°P·PsPSCr PI PeC-PSC†C-
PePsP¶PSPsPiPs CḡPsPeCr. PμPsPIC,PsCḡPSPμ PIPiPμPrPμPSPSCl PiCḡPμPiP°CḡP°C,Cr PSPμ
PiCḡPëP·PIPsPrPëP»Ps PrPs PrPsPrP°C,PePsPiPsPiPs P·PjPμPSCëPμPSPSCl CḡC-PIPSC-PI
PjP°CḡPePμCḡC-PI CḡPμPjPsPrPμP»CḡPIP°PSPSCl PeC-Cl'C,PePë.

P'PiP»PëPI PSP° P·CḡC-Cl'C,

PJ C,CḡPëCḡC-C#PSPsPjCr PrPsCl'P»C-PrP¶PμPSPSC- PiCḡPë PsCl'C,PμPsPiPsCḡPsP·C-
P·CḡC-Cl'C, Cr PiPsP»PsP¶PμPSPSC- PiP°C†C-C"°PSC,P° Cl'C,PsClC#Pë PIPëP·PSP°C#P°PICl'ClC
C%oPsCḡC-C#PSPs P·P° PrPsPiPsPjPsPiPsCḡ Cl'C,P°PrC-PsPjPμC,CḡP°. P' PiCḡCrPiC-
P·PsP»PμPrCḡPsPSPsPiPsC— PePëCl'P»PsC,Pë PIPëClPIP»PμPSPs PjPμPSCëCr
(PiCḡPëP±P»PëP·PSPs PSP° 2,5 PjPj) PIC,CḡP°C,Cr P·CḡPsCl'C,Cr PiPsCḡC-PIPSClPSPs P·
PiCḡCrPiPsCḡ PiP»P°C†PμP±Ps (95 % P"P†: 1,6 PjPj, 3,5 PjPj) [p < 0,0001].

P"°PSC- PSPμPiCḡP°C†PμP·PrP°C,PSPsCl'C,C-

P»C-PeCrPIP°PSPSCl P·PsP»PμPrCḡPsPSPsPiPsCḡ PePëCl'P»PsC,PsCḡ Cl'C,P°C,PëCl'C,PëC#PSPs
P·PSP°C#CrC%oPμ P·PjPμPSCëCrPIP°P»Ps Cl'PμCḡPμPrPSCḡ PeC-P»CHPeC-Cl'C,CH PrPSC-PI
PsP±PjPμP¶PμPSPsC— P°PeC,PëPIPSPsCl'C,C- C,P° PeC-P»CHPeC-Cl'C,CH PrPSC-PI
PiPμCḡPμP±CrPIP°PSPSCl Cr P»C-P¶PeCr C#PμCḡPμP· P±C-P»CH Cr Cl'PiPëPSC- PSP° 17,9
PrPSCl C,P°

11,3 PrPSCl PIC-PrPiPsPIC-PrPSPs PiPsCḡC-PIPSClPSPs P· PiP»P°C†PμP±Ps, P° C,P°PePsP¶
Cl'C,P°C,PëCl'C,PëC#PSPs P·PSP°C#CrC%oPμ P·PjPμPSCëCrPIP°P»Ps Cl'PμCḡPμPrPSCḡ
PeC-P»CHPeC-Cl'C,CH PrPSC-PI PsP±PjPμP¶PμPSPsC— P°PeC,PëPIPSPsCl'C,C- C,P° PrPSC-PI
PiPμCḡPμP±CrPIP°PSPSCl Cr P»C-P¶PeCr C#PμCḡPμP· PiPμCḡPμP»PsPjPë PSP° 2,9 PrPSCl
C,P°

0,5 PrPSCl PIC-PrPiPsPIC-PrPSPs PiPsCḡC-PIPSClPSPs P· PiP»P°C†PμP±Ps (PrP»ClC CrCl'C-C...
PiPsPeP°P·PSPëPeC-PI Cḡ < 0,01).

*PμP»C-PSC-C#PSP° PμC,,PμPeC,PëPIPSC-Cl'C,CH PiCḡPë P»C-PeCžPIP°PSPSC-
PsCl'C,PμPsPiPsCḡPsP·Cž Cž PiP°C†C-C"°PSC,C-PI P· PiC-PrPIPëC%oPμPSPëPj CḡPëP·PëPePsPj
PiPμCḡPμP»PsPjC-PI PiC-Cl'P»ClC PSPμC%oPsPrP°PIPSPs PiPμCḡPμPSPμCl'PμPSPsPiPs
PiPμCḡPμP»PsPjCž Cl'C,PμPiPSP° (RFT)*

PŞP°Cl'C,PsC,P° PeP»C-PSC-C#PSPs PIPëCḡP°P¶PμPSPëC... PiPμCḡPμP»PsPjC-PI, Cr C,PsPjCr
C#PëCl'P»C- PiPμCḡPμP»PsPjC-PI C...CḡPμP±C†C-PI, PiPμCḡPμP»PsPjC-PI C-PSCëPsC—
P»PsPeP°P»C-P·P°C†C-C— C,P° PiPμCḡPμP»PsPjC-PI PeC-Cl'C,PsPe Cl'C,PμPiPSP°,
PsC†C-PSCḡPIP°P»P°Cl'ClC Cr 2127 C#PsP»PsPIC-PeC-PI C,P° P¶C-PSPsPe PIC-PePsPj 50Bḡ“95
CḡPsPeC-PI (Cl'PμCḡPμPrPSC-PNë PIC-Pe 74,5 CḡPsPeCr) P· PSPμC%oPsPrP°PIPSPs
(PiCḡPsC,ClPiPsPj 90 PrPSC-PI) PiPμCḡPμPSPμCl'PμPSPëPjPë
PSPëP·CHPePsC,CḡP°PIPjP°C,PëC#PSPëPjPë PiPμCḡPμP»PsPjP°PjPë Cl'C,PμPiPSP°,
Cl'PiPsCl'C,PμCḡPμP¶PμPSPSCl P·P° ClPePëPjPë PIPμP»PsCl'ClC PI Cl'PμCḡPμPrPSCḡPsPjCr

(1) P—P° PIPëPSClC,PePsPj PIPµP»PëPePsPiPs PïP°P»CHC†ClC PePëCfC,C-, PIPµP»PëPePsPiPs PïP°P»CHC†ClC CfC,PsPïPë C,P° PïPµCfPµP»PsPjC-PI PeC-CfC,PsPe P»PëC†CHbPsPIPsPiPs C†PµCfPµPïP°.

(2) P'PeP»CHC†P°CHC†Pë PeP»C-PSC-C†PSPs PIPëCfP°P¶PµPSC- PïPµCfPµP»PsPjPë PiCfCfPrPSPsC— PeP»C-C,PePë C,P° PïPsPiPµCfPµPePsPIPëC... C...CfPµP±C†C-PI.

P"PsCfP»C-PrP¶PµPSPSClC PSPµ PïPµCfPµPrP±P°C†P°P»Ps PIPëP·PSP°C†PµPSPSClC CfC,P°C,PëCfC,PëC†PSPs P·PSP°C†CfC%PëC... PIC-PrPjC-PSPSPsCfC,PµPNë C† PeC-P»CHbPePsCfC,C- PïPµCfPµP»PsPjC-PI PeC-CfC,PsPe CfC,PµPiPSP°, P°P»Pµ CfPïPsCfC,PµCfC-PiP°P»P°CfC C,PµPSPPrPµPSC†C-ClC PrPs P·PjPµPSC¶PµPSPSClC C†P°CfC,PsC,Pë PSPsPIPëC... PïPµCfPµP»PsPjC-PI CfC,PµPiPSP°.

PJCfC- P»PµC,P°P»CHbPSC- PIPëPïP°PrPePë CfC,P°PSPsPIPëP»Pë 10 % (101 PïP°C†C-C"PSC,) C† PiCfCfPiC- P»C-PeC†PIP°PSPSClC P·PsP»PµPrCfPµPSPsPIPsCfC PePëCfP»PsC,PsCfC PïPsCfC-PIPSClCPSPs P· 13 % (141 PïP°C†C-C"PSC,) C† PiCfCfPiC- PïP»P°C†PµP±Ps. PïPµ PIC-PrPïPsPIC-PrP°C" P·PjPµPSC¶PµPSPSCfC PSP° 28 % CfPëP·PëPeC† P»PµC,P°P»CHbPSPsPiPs PSP°CfP»C-PrPeC† P· P±C†PrCHb-ClCPePëC... PïCfPëC†PëPS (CfC = 0,01).

P§P°CfC,PsC,P° CfPïPsPIC-P»CHbPSPµPSPsPiPs P·CfPµC%PµPSPSClC PïPµCfPµP»PsPjC-PI CfC,PµPiPSP° P±C†P»P° PïPsCfC-PIPSClCPSPSPsCfC PI PiCfCfPiP°C... P·PsP»PµPrCfPµPSPsPIPsC— PePëCfP»PsC,Pë (34 [3,2 %]) C,P° PïP»P°C†PµP±Ps (29 [2,7 %]).

P'PïP»PëPI PSP° PjC-PSPµCfP°P»CHbPSCž C%C-P»CHbPSC-CfC,CHb PeC-CfC,PePsPIPsC— C,PeP°PSPëPSPë (P¶P©P¶Pÿ)

PJ PrPsCfP»C-PrP¶PµPSPSC- HORIZON-RFT PSP° C,P»C- P»C-PeC†PIP°PSPSClC P·PsP»PµPrCfPµPSPsPIPsCfC PePëCfP»PsC,PsCfC CfPïPsCfC,PµCfC-PiP°P»PsCfC CfC,P°C,PëCfC,PëC†PSPs P·PSP°C†CfC%Pµ P·CfPµCfC,P°PSPSClC P¶P©P¶Pÿ C†CfC-C... PeC-CfC,PsPe C,P°P·PsCfC,PµPiPSPsPIPsPiPs CfC†PiP»PsP±P° C,P° C¶PëPNëPePë CfC,PµPiPSPsPIPsC— PeC-CfC,PePë PIC-PrPSPsCfPSPs P»C-PeC†PIP°PSPSClC PïP»P°C†PµP±Ps PI C†CfC-C... C†P°CfPµPIPëC... C,PsC†PeP°C... P»C-PeC†PIP°PSPSClC P·PsP»PµPrCfPµPSPsPIPsCfC PePëCfP»PsC,PsCfC P·C†PjPsPIPëP»Ps P·CfPµCfC,P°PSPSClC P¶P©P¶Pÿ PSP° 5,4 % PrP»ClC C†CfC-C... PeC-CfC,PsPe CfC,PµPiPSP° C,P° PSP° 4,3 % PrP»ClC C¶PëPNëPePë CfC,PµPiPSPsPIPsC— PeC-CfC,PePë PIPiCfPµPrPsPIP¶ 24 PjC-CfC†C-C-PI PïPsCfC-PIPSClCPSPs P· PïP»P°C†PµP±Ps.

P¶P»C-PSC-C†PSP° PµC,,PµPeC,PëPIPSC-CfC,CHb Cž C†PsP»PsPIC-PeC-PI

PJ PrPsCfP»C-PrP¶PµPSPSC- HORIZON-RFT 508 C†PsP»PsPIC-PeC-PI CfP°PSPPrPsPjC-P·C†PIP°P»Pë PrP»ClC C†C†P°CfC,C- PI PrPsCfP»C-PrP¶PµPSPSC-, P° 185 PïP°C†C-C"PSC,C-PI PïCfPµPNëC¶P»Pë PsC†C-PSCfPIP°PSPSClC P¶P©P¶Pÿ C†PµCfPµP· 24 PjC-CfC†C-C-. P§PµCfPµP· 24 PjC-CfC†C†C- CfPïPsCfC,PµCfC-PiP°P»PsCfC P±P»PëP·CHbPePµ P·P° P·PSP°C†PµPSPSClCj CfC,P°C,PëCfC,PëC†PSPs P·PSP°C†CfC%Pµ P·CfPµCfC,P°PSPSClC PSP° 3,6 % P¶P©P¶Pÿ C†CfC-C... PeC-CfC,PsPe CfC,PµPiPSP° C† PïP°C†C-C"PSC,C-PI, ClCPeC- PsC,CfPëPjC†PIP°P»Pë P»C-PeC†PIP°PSPSClC P·PsP»PµPrCfPµPSPsPIPsCfC PePëCfP»PsC,PsCfC, PïPsCfC-PIPSClCPSPs P· PµC,,PµPeC,PsPj, C%Ps CfPïPsCfC,PµCfC-PiP°PIC†C C† P¶C-PSPsPe C† PïPsCfC,PjPµPSPsPïP°C†P·C- PI PrPsCfP»C-PrP¶PµPSPSC- HORIZON-PFT. PÿP°PePsPiPs PrPsCfP»C-PrP¶PµPSPSClC P±C†P»Ps PSPµPrPsCfC,P°C,PSCHbPs, C%PsP± PïPsPeP°P·P°C,Pë P·PjPµPSC¶PµPSPSClC

PeC-P»CHbPePsCfC,C- PeP»C-PSC-C#PSPs PIPeCfP°P¶PµPSPeC... PiPµCfPµP»PsPjC-PI Cr
C#PsP»PsPIC-PeC-PI; C#P°CfC,PsC,P° PeP»C-PSC-C#PSPs PIPeCfP°P¶PµPSPeC...
PiPµCfPµP»PsPjC-PI CfC,P°PSPsPIPeP»P° 7,5 % Cr C#PsP»PsPIC-PeC-PI, C¶PeC-
PsC,CfPëPjCrPIP°P»Pë P»C-PeCrPIP°PSPSC¶ P·PsP»PµPrCfPSPSPsPIPsCf PePëCfP»PsC,PsCf,
PiPsCfC-PIPSCL¶PSPs P· 8,7 % Cr C,PëC..., C...C,Ps PsC,CfPëPjCrPIP°PI PiP»P°C†PµP±Ps.

P' C-PSC¶PsPjCr PrPsCfP»C-PrP¶PµPSPSC- P· CrC#P°CfC,Cf C#PsP»PsPIC-PeC-PI
(PrPsCfP»C-PrP¶PµPSPSC¶ CZOL446M2308) C%PsCfC-C#PSP° C-PSC,,CfP·C-C¶
P·PsP»PµPrCfPSPSPsPIPsC— PePëCfP»PsC,Pë P·P°P±PµP·PiPµC#CfPIP°P»P° PSPµ PjPµPSC¶Cf
PµC,,PµPeC,PëPIPSCL-CfC,CHb, PSC-P¶ C%PsC,PëP¶PSPµPIPëPµ PiCfPëPµPsPj
P°P»PµPSPPrCfPSPSP°C,Cr PIC-PrPSPsCfPSPs P·PjC-PSPë PµP©PµP¶ PiPsPiPµCfPµPePsPIPëC...
C...CfPµP±C†C-PI C#PµCfPµP· 24 PjC-CfC¶C†C- P»C-PeCrPIP°PSPSC¶ PiPsCfC-PIPSCL¶PSPs P·
PiPsC#P°C,PePsPIPëPjPë PiPsPeP°P·PSPëPeP°PjPë.

PµP»C-PSC-C#PSP° PµC,,PµPeC,PëPIPSCL-CfC,CHb PiCfPë PsCfC,PµPsPiPsCfPSP·C-,
P°CfPsC†C-PµPsPIP°PSPsPjCž P· C,CfPëPIP°P»PsCf CfPëCfC,PµPjPSPsCf C,PµCfP°PiC-C"CF
PiP»CHPePsPePsCfC,PëPePsC—PrP°PjPë

P·C,,PµPeC,PëPIPSCL-CfC,CHb C,P° P±PµP·PiPµPeP° P·PsP»PµPrCfPSPSPsPIPsC—
PePëCfP»PsC,Pë PiCfPë P»C-PeCrPIP°PSPSC- C,P° PiCfPsC,,C-P»P°PeC,PëC†C-
PsCfC,PµPsPiPsCfPSP·Cr, P°CfPsC†C-PµPsPIP°PSPsPiPs P· C,CfPëPIP°P»PsCf
CfPëCfC,PµPjPSPsCf C,PµCfP°PiC-C"CF PiP»CHPePsPePsCfC,PëPePsC—PrP°PjPë,
PsC†C-PSCfPIP°P»PëCfC¶ PI CfP°PSPPrPsPjC-P·PsPIP°PSPsPjCr
P±P°PiP°C,PsC†PµPSC,CfPSPsPIPsPjCr PiPsPrPIC-PµPSPsPjCr CfP»C-PiPsPjCr
CfC,CfP°C,PëC,,C-PePsPIP°PSPsPjCr, P°PeC,PëPIPSPs PePsPSC,CfPSP»CHbPsPIP°PSPsPjCr
PrPsCfP»C-PrP¶PµPSPSC- P· CrC#P°CfC,Cf 833 C#PsP»PsPIC-PeC-PI C- P¶C-PSPsPe PIC-PePsPj
PIC-Pr 18 PrPs 85 CfPSPeC-PI (CfPµCfPµPrPSC-Pµ PIC-Pe C#PsP»PsPIC-PeC-PI
CfC,P°PSPsPIPëPI 56,4 CfPSPeCr; P¶C-PSPsPe b¶ 53,5 CfPSPeCr), C¶PeC-
PsC,CfPëPjCrPIP°P»Pë P»C-PeCrPIP°PSPSC¶ PiCfPµPrPSC-P·PsPSPsPj Cr PrPsP·C- > 7,5
PjPi/PrPsP±Cr (P°P±Ps PµPePIC-PIP°P»PµPSC,PSPµ). PµP°C†C-C"PSCL,C-PI
CfC,CfP°C,PëC,,C-PeCrPIP°P»Pë P·P°P»PµP¶PSPs PIC-Pr C,CfPëPIP°P»PsCfC,C-
P·P°CfC,PsCfCfPIP°PSPSC¶ PiP»CHPePsPePsCfC,PëPePsC—PrC-PI PrPs
CfP°PSPPrPsPjC-P·P°C†C— (≤ 3 PjC-CfC¶C†C- PiCfPsC,Pë > 3 PjC-CfC¶C†C-PI).
P¶CfPëPIP°P»C-CfC,CHb PrPsCfP»C-PrP¶PµPSPSC¶ CfC,P°PSPsPIPëP»P° 1 CfC-Pe.
PµP°C†C-C"PSCL,C-PI CfP°PSPPrPsPjC-P·CrPIP°P»Pë P°P±Ps PrP»C¶ PsC,CfPëPjP°PSPSC¶
PsPrPSPsCfP°P·PsPIPsC— C-PSC,,CfP·C-C— P·PsP»PµPrCfPSPSPsPIPsC— PePëCfP»PsC,Pë PI
PrPsP·C- 5 PjPi, P°P±Ps PrP»C¶ PiPµCfPSPCfP°P»CHbPSPsPiPs PiCfPëPµPsPjCr
CfPëP·PµPrCfPSPSP°C,Cr PI PrPsP·C- 5 PjPi PsPrPëPS CfP°P· PSP° PrPsP±Cr PiCfPsC,C¶PiPsPj
1 CfPSPeCr. PjCfC- CrC#P°CfPSPëPePë PrPsPrP°C,PePsPIPs PsC,CfPëPjCrPIP°P»Pë 1000 PjPi
PµP»PµPjPµPSC,P°CfPSPsPiPs PeP°P»CHbC†C-Cf C,P° PIC-Pr

400 PrPs 1000 PµP¶ PIC-C,P°PjC-PSCr D PSP° PrPsP±Cr. P·C,,PµPeC,PëPIPSCL-CfC,CHb
PIPIP°P¶P°P»P°CfC¶ PrPsPIPµPrPµPSPsCf, C¶PeC%Ps P±CfP»P° PiPsPeP°P·P°PSP°
PIC-PrCfCfC,PSC-CfC,CHb PiPµCfPµPIP°PiPë CfPëP·PµPrCfPSPSP°C,Cr PIC-PrPSPsCfPSPs
P·PjC-PSPë Cr PIC-PrCfPsC,PeP°C... PµP©PµP¶ PiPsPiPµCfPµPePsPIPëC... C...CfPµP±C†C-PI
C#PµCfPµP· 12 PjC-CfC¶C†C-PI PiPsCfC-PIPSCL¶PSPs P· PIPëC...C-PrPSPëPjPë
PiPsPeP°P·PSPëPeP°PjPë PI CfCfP±PiPsPiCfP»C¶C†C-C¶C... P»C-PeCrPIP°PSPSC¶ C,P°
PiCfPsC,,C-P»P°PeC,PëPePë PIC-PrPiPsPIC-PrPSPs. P' C-P»CHbCfC-CfC,CHb PiP°C†C-C"PSCL,C-PI
PiCfPsPrPsPIP¶CfPIP°P»Pë PiCfPëPµPsPj PiP»CHPePsPePsCfC,PëPePsC—PrC-PI
CrPiCfPsPrPsPIP¶ PsPrPSPsPiPs CfPSPeCr PrPsCfP»C-PrP¶PµPSPSC¶.

P'PiP»PëPI PSP° PjC-PSPµCfP°P»CHbPSCž C%C-P»CHbPSC-CfC,CHb PeC-CfC,PePsPIPsC—

C,PeP°PSPëPSPë (PḥP©PḥPḥ)

P—CḥPsCfC,P°PSPSCḥ PḥP©PḥPḥ PīPsPīPμCḥPμPePsPIPëC... C...CḥPμP±C†C-PI C,P°
C€PëPḥPePë CfC,PμPiPSPsPIPsC— PeC-CfC,PePë P±C†P»Ps CfC,P°C,PëCfC,PëC†PSPs
P·PSP°C†CfC%Pμ PIPëC%PëPj C† PiCḥC†PīC- P»C-PeC†PIP°PSPSCḥ
P·PsP»PμPrCḥPsPSPsPIPsCḥ PePëC†P»PsC,PsCḥ PīPsCḥC-PIPSCḥPSPs P·
CḥPëP·PμPrCḥPsPSP°C,PsPj (PrP»Cḥ C†CfC-C... PīPsPeP°P·PSPëPeC-PI Cḥ < 0,03).

B PJ C†C†P±PīPsPīC†P»CḥC†C-C— PīP°C†C-C”PSC,C-PI, CḥPeC- PīCḥPëPḥPjP°P»Pë
PīP»CḥPePsPePsCḥC,PëPePsC—PrPë P±C-P»CḥC€Pμ PSC-Pḥ 3 PjC-C†CḥC†C- PrPs
CḥP°PSPPrPsPjC-P·P°C†C-C—, P·PsP»PμPrCḥPsPSPsPIP° PePëC†P»PsC,P°
PīC-PrPIPëC%C†PIP°P»P° PḥP©PḥPḥ PīPsPīPμCḥPμPePsPIPëC... C...CḥPμP±C†C-PI PSP° 4,06 %
PīPsCḥC-PIPSCḥPSPs P· 2,71 % PrP»Cḥ CḥPëP·PμPrCḥPsPSP°C,C† (C†PμCḥPμPrPSCḥ
PIC-PrPjC-PSPSC-CfC,Cḥ 1,36 %; Cḥ < 0,001). PJ C†C†P±PīPsPīC†P»CḥC†C-C—
PīP°C†C-C”PSC,C-PI, CḥPeC- PīCḥPëPḥPjP°P»Pë PīP»CḥPePsPePsCḥC,PëPePsC—PrPë
PīCḥPsC,CḥPiPsPj 3 PjC-C†CḥC†C-PI P°P±Ps PjPμPSC€Pμ PrPs CḥP°PSPPrPsPjC-P·P°C†C-C—,
P·PsP»PμPrCḥPsPSPsPIP° PePëC†P»PsC,P° PīC-PrPIPëC%C†PIP°P»P° PḥP©PḥPḥ
PīPsPīPμCḥPμPePsPIPëC... C...CḥPμP±C†C-PI PSP° 2,60 % PīPsCḥC-PIPSCḥPSPs P· 0,64 %
PrP»Cḥ CḥPëP·PμPrCḥPsPSP°C,C† (C†PμCḥPμPrPSCḥ PIC-PrPjC-PSPSC-CfC,Cḥ 1,96 %; Cḥ <
0,001). PjPμ PrPsC†P»C-PrPḥPμPSPSCḥ PSPμ P±C†P»Ps PrPsCfC,P°C,PSC-Pj, C%PsP±
PīPsPeP°P·P°C,Pë P·PjPμPSC€PμPSPSCḥ PeC-P»CḥPePsCfC,C- PeP»C-PSC-C†PSPs
PIPëCḥP°PḥPμPSPëC... PīPμCḥPμP»PsPjC-PI PīPsCḥC-PIPSCḥPSPs P· P»C-PeC†PIP°PSPSCḥPj
CḥPëP·PμPrCḥPsPSP°C,PsPj. PḥC-P»CḥPeC-CfC,Cḥ PIPëPīP°PrPeC-PI PīPμCḥPμP»PsPjC-PI
CfC,P°PSPsPIPëP»P° 8 C† PīP°C†C-C”PSC,C-PI, CḥPeC- PsC,CḥPëPjC†PIP°P»Pë
P·PsP»PμPrCḥPsPSPsPIC† PePëC†P»PsC,C†, PīPsCḥC-PIPSCḥPSPs C-P.

7 C† PīP°C†C-C”PSC,C-PI, CḥPeC- PsC,CḥPëPjC†PIP°P»Pë CḥPëP·PμPrCḥPsPSP°C, (Cḥ = 0,8055).

*PḥP»C-PSC-C†PSP° PμC,,PμPeC,PëPIPSC-CfC,Cḥ PīCḥPë P»C-PeC†PIP°PSPSC-
C...PIPsCḥPsP±Pë PμPμPrPḥPμC,P° P· C†CḥP°PḥPμPSPSCḥPj PeC-CfC,PsPe*

P·C,,PμPeC,PëPIPSC-CfC,Cḥ P·PsP»PμPrCḥPsPSPsPIPsC— PePëC†P»PsC,Pë PIPëPIC†P°P»Pë C†
PīP°C†C-C”PSC,C-PI C†PsP»PsPIC-C†PsC— C,P° PḥC-PSPsC†PsC— CfC,P°C,C- PIC-PePsPj
PīPsPSP°Pr 30 CḥPsPeC-PI P· PīPμCḥPIPëPSPSPsCḥ P»PμPiPePsCḥ P°P±Ps PīPsPjC-CḥPSPsCḥ
C...PIPsCḥPsP±PsCḥ PμPμPrPḥPμC,P° P· C†CḥP°PḥPμPSPSCḥPj PeC-CfC,PsPe (PjPμPrC-P°PSP°
CḥC-PIPSCḥ C†PëCḥPsPIP°C,PePsPIPsC— P»C†PḥPSPsC— C,,PsCfC,,P°C,P°P·Pë C† 2,6ḥ”3,0
CḥP°P·C† PIPëC%Pμ PIPμCḥC...PSCḥPsC— PjPμPḥC- PIPëP·PSP°C†PμPSPsPiPs PrP»Cḥ
PīPμPIPSPsPiPs PIC-PeC† PSPsCḥPjP°P»CḥPSPsPiPs PrC-P°PīP°P·PsPSC† P·PSP°C†PμPSCḥ PSP°
PjPsPjPμPSC, PIPμPrPμPSPSCḥ PI PrPsC†P»C-PrPḥPμPSPSCḥ), PīC-PrC,PIPμCḥPrPḥPμPSPsCḥ
CḥPμPSC,PiPμPSPsP»PsPiC-C†PSPs.

P·C,,PμPeC,PëPIPSC-CfC,Cḥ PsPrPSC-C”C— C-PSC,,C†P·C-C— 5 PjPi
P·PsP»PμPrCḥPsPSPsPIPsC— PePëC†P»PsC,Pë PīPsCḥC-PIPSCḥPSPs P·C- C%PsPrPμPSPSPëPj
PīCḥPëPḥPsPjPsPj 30 PjPi CḥPëP·PμPrCḥPsPSP°C,C† PīCḥPsC,CḥPiPsPj 2 PjC-C†CḥC†C-PI
P±C†P»P° PrPsPIPμPrPμPSP° C† PrPIPsC... 6-PjC-C†CḥC†PSPëC...
PīPsCḥC-PIPSCḥP»CḥPSPëC... PrPsC†P»C-PrPḥPμPSPSCḥC.... PḥPμCḥPμP· 6 PjC-C†CḥC†C-PI
C† PiCḥC†PīC- P·PsP»PμPrCḥPsPSPsPIPsC— PePëC†P»PsC,Pë PIC-PrPīPsPIC-PrCḥ C-
PSPsCḥPjP°P»C-P·P°C†C-Cḥ CḥC-PIPSCḥ C†PëCḥPsPIP°C,PePsPIPsC— P»C†PḥPSPsC—
C,,PsCfC,,P°C,P°P·Pë (PḥP·Pḥ) C†PīPsCfC,PμCḥC-PiP°P»P°C†Cḥ C† 96 % (169/176) C,P° 89 %
(156/176) PīP°C†C-C”PSC,C-PI PīPsCḥC-PIPSCḥPSPs P· 74 % (127/171) C,P° 58 % (99/171)
PīP°C†C-C”PSC,P°PjPë, CḥPeC- PīCḥPëPḥPjP°P»Pë CḥPëP·PμPrCḥPsPSP°C, (PrP»Cḥ C†CfC-C...
PīPsPeP°P·PSPëPeC-PI Cḥ < 0,001).

P—PiC-PrPSPs P· PsP±BTM C"PrPSP°PSPëPjPë C₇PuP·CfP»CHC,P°C,P°PjPë P±P»PëP·CHPePμ
P·P° P·PSP°C±PμPSPSClPj P·PjPμPSC€PμPSPSCl PIPëC₇P°P¶PμPSPsCfC,C- P±PsP»C₇
CfPiPsCfC,PμC₇C-PiP°P»PsCfC PīC₇PsC,ClPiPsPj 6 PjC-CfC₇C-C-PI PīC₇Pë
P»C-PeCfPIP°PSPSC- P·PsP»PμPrC₇PsPSPsIPsC₇ PePëCfP»PsC,PsC₇ C,P°
C₇PëP·PμPrC₇PsPSP°C,PsPj.

PμP°C+C-C"°PSC,Pë, PIC-PrPSPμCfPμPSC- PrPs C₇PμCfPiPsPSPPrPμC₇C-PI
PSP°PīC₇PëPeC-PSC+C- 6 PjC-CfC₇C+C-PI PsCfPSPsIPSPsPiPs PrPsCfP»C-PrP¶PμPSPSCl,
PIPIP°P¶P°P»PëCfC PīC₇PëPrP°P,PSPëPjPë PrP»C₇ PIPμPrPμPSPSCl Cf
PīC₇PsPrPsPIP¶PμPSPëPμ PīPμC₇C-PsPr CfPiPsCfC,PμC₇PμP¶PμPSPSCl. P—C- 153
PīP°C+C-C"°PSC,C-PI, ClPePëC... P»C-PeCfPIP°P»Pë P·PsP»PμPrC₇PsPSPsIPsC₇
PePëCfP»PsC,PsC₇ C,P° 115 PīP°C+C-C"°PSC,C-PI, ClPeC- PīC₇PëPμPjP°P»Pë
C₇PëP·PμPrC₇PsPSP°C,, PIPμPrPμPSPëC... Cf PīC₇PsPrPsPIP¶PμPSPμ
PsP±CfPμC₇PIP°C+C-PμPSPμ PrPsCfP»C-PrP¶PμPSPSCl, PīC-CfP»C₇
CfPiPsCfC,PμC₇PμP¶PμPSPSCl CfPμC₇PμPrPSC₇PsC₇ C,C₇PëPIP°P»C-CfC,C₇ 3,8 C₇PsPeCf
P· PjPsPjPμPSC,Cf P»C-PeCfPIP°PSPSCl C±P°CfC,PeP° PīP°C+C-C"°PSC,C-PI, ClPeC-
PIPëPμC€P»Pë P· PrPsCfP»C-PrP¶PμPSPSCl C±PμC₇PμP· PīPsC,C₇PμP±Cf Cf
PīPsPIC,PsC₇PSPsPjCf P»C-PeCfPIP°PSPSC- (PeP»C-PSC-C±PSP° PsC+C-PSPeP°), P±CfP»P°
PIPëC%PsC₇ Cf PīC₇CfPīC- P»C-PeCfPIP°PSPSCl C₇PëP·PμPrC₇PsPSP°C,PsPj (48
PīP°C+C-C"°PSC,C-PI, P°P±Ps 41,7 %) PīPsC₇C-PIPSClPSPs C-P· P·PsP»PμPrC₇PsPSPsIPsC₇
PePëCfP»PsC,PsC₇ (11 PīP°C+C-C"°PSC,C-PI, P°P±Ps 7,2 %). PŸPμC₇PμPrPSC-Pμ C±P°Cf PrPs
P·P°PeC-PSC±PμPSPSCl CfC±P°CfC,C- Cf PrPsCfP»C-PrP¶PμPSPSClC... C±PμC₇PμP·
PīPsC,C₇PμP±Cf Cf PīPsPIC,PsC₇PSPsPjCf P»C-PeCfPIP°PSPSC- P· PīC₇PëPIPsPrCf
C...PIPsC₇PsP±Pë PμPμPrP¶PμC,P° PIC-Pr PjPsPjPμPSC,Cf PīPsC±P°C,PePsIPsPiPs
P»C-PeCfPIP°PSPSCl P±CfPI PrPsPIC€PëPj PrP»C₇ PīP°C+C-C"°PSC,C-PI, ClPeC-
PīC₇PëPμPjP°P»Pë P·PsP»PμPrC₇PsPSPsPICr PePëCfP»PsC,Cf (7,7 C₇PsPeCf), PSC-P¶ PrP»C₇
PīP°C+C-C"°PSC,C-PI, ClPeC- PīC₇PëPμPjP°P»Pë C₇PëP·PμPrC₇PsPSP°C, (5,1 C₇PsPeCf).

6 PīP°C+C-C"°PSC,C-PI, ClPeC- PrPsCfC₇PIP»Pë C,PμC₇P°PīPμPIC,PëC±PSPsC—
PIC-PrPīPsPIC-PrC- C±PμC₇PμP· 6 PjC-CfC₇C+C-PI PīC-CfP»C₇ P»C-PeCfPIP°PSPSCl
P·PsP»PμPrC₇PsPSPsIPsC₇ PePëCfP»PsC,PsC₇ C,P° PI ClPePëC... PīC-P·PSC-C€Pμ
C₇PsP·PIPëPSCfP»PëCfC₇ C₇PμCfPëPrPëPIPë P·P°C...PIPsC₇C₇PIP°PSPSCl PīC-Pr C±P°Cf
PīC₇PsPrPsPIP¶PμPSPsPiPs PīPμC₇C-PsPrCf CfPiPsCfC,PμC₇PμP¶PμPSPSCl,
PsC,C₇PëPjP°P»Pë PīPsPIC,PsC₇PSPμ P»C-PeCfPIP°PSPSCl P·PsP»PμPrC₇PsPSPsIPsC₇
PePëCfP»PsC,PsC₇ PI CfPμC₇PμPrPSC₇PsPjCf C±PμC₇PμP·

6,5 C₇PsPeCf PīC-CfP»C₇ PīPμC₇C€PsPiPs P»C-PeCfPIP°PSPSCl. 5 C-P· 6 PīP°C+C-C"°PSC,C-PI
PjP°P»Pë C₇C-PIPμPSC₇ P»CfP¶PSPsC— C,,PsCfC,,P°C,P°P·Pë PI CfPëC₇PsPIP°C,C+C-
PeC₇PsPIC- Cf PjPμP¶P°C... PSPsC₇PjP°P»CHPSPsPiPs PrC-P°PīP°P·PsPSCr C±PμC₇PμP· 6
PjC-CfC₇C+C-PI.

P"C-CfC,PsP»PsPiC-C₇ PeC-CfC,PePsIPsC— C,PeP°PSPëPSPë PsC+C-PSC₇PIP°P»P°CfC₇ Cf 7
PīP°C+C-C"°PSC,C-PI P· C...PIPsC₇PsP±PsC₇ PμPμPrP¶PμC,P° C±PμC₇PμP· 6 PjC-CfC₇C+C-PI
PīC-CfP»C₇ P»C-PeCfPIP°PSPSCl P·PsP»PμPrC₇PsPSPsIPsC₇ PePëCfP»PsC,PsC₇ PI PrPsP·C-
5 PjPi. P PμP·CfP»CHC,P°C,Pë P±C-PsPīCfC-C— PeC-CfC,PsPe PīPsPeP°P·P°P»Pë
PSPsC₇PjP°P»CHPSCr ClPeC-CfC,CH PeC-CfC,PePsIPsC— C,PeP°PSPëPSPë P±PμP·
PsP·PSP°Pe PīPsC₇CfC€PμPSPSCl C₇PμPjPsPrPμP»C₇PIP°PSPSCl PeC-CfC,PePë C,P° P±PμP·
PsP·PSP°Pe PrPμC,,PμPeC,C-PI PjC-PSPμC₇P°P»C-P·P°C+C-C—. P|C- C₇PμP·CfP»CHC,P°C,Pë
CfP·PiPsPrP¶CfC₇,CHCfC₇ P· P±C-PsC...C-PjC-C±PSPëPj PjP°C₇PePμC₇PsPj
PSPsC₇PjP°P»C-P·P°C+C-C— C₇PμPjPsPrPμP»C₇PIP°PSPSCl PeC-CfC,PePsIPsC—
C,PeP°PSPëPSPë.

P„PICḡPsPīPμPNḡCÍCHbPePμ P°PīPμPSC,CÍC,PIPs P»C-PeP°CḡCÍCHbPePëC... P·P°CÍPsP±C-PI
 PIC-PrPeP»PëPeP°P»Ps PIPëPjPsPīCÍ C°PsPrPs PSP°PrP°PSPSCḡ CḡPμP·CÍP»CHbC,P°C,C-PI
 PrPsCÍP»C-PrPḡPμPSCḡ P·PsP»PμPrCḡPsPSPsPIPsC— PePëCÍP»PsC,Pë PI CÍCÍC-C...
 PīC-PrPīCḡCÍPīP°C... PīPμPrC-P°C,CḡPëC±PSPsC— PīPsPīCÍP»CḡCÍC-C— PīCḡPë
 C...PIPsCḡPsP±C- PμPμPrPḡPμC,P° P· CÍCḡP°PḡPμPSPSCḡPj PeC-CÍC,PsPe, P° C,P°PePsPḡ
 PīCḡPë PsCÍC,PμPsPīPsCḡPsP·C- CÍ PḡC-PSPsPe CÍ PīPsCÍC,PjPμPSPsPīP°CÍP·C- P·
 PīC-PrPIPëC°PμPSPëPj CḡPëP·PëPePsPj PīPμCḡPμP»PsPjC-PI, PsCÍC,PμPsPīPsCḡPsP·C- CÍ
 C±PsP»PsPIC-PeC-PI P· PīC-PrPIPëC°PμPSPëPj CḡPëP·PëPePsPj PīPμCḡPμP»PsPjC-PI C,P°
 PrP»Cḡ PīCḡPsC,,C-P»P°PeC,PëPePë PeP»C-PSC-C±PSPs PIPëCḡP°PḡPμPSPëC...
 PīPμCḡPμP»PsPjC-PI PīC-CÍP»Cḡ PīPμCḡPμP»PsPjCÍ CÍC,PμPīPSP° CÍ C±PsP»PsPIC-PeC-PI C,P°
 PḡC-PSPsPe.

PαP°CḡPjP°PePsPeC-PSPμC,PëPeP°.

Pj CḡPμP·CÍP»CHbC,P°C,C- PīCḡPsPIPμPrPμPSPSCḡ PsPrPSPsCḡP°P·PsPIPëC... C-
 P±P°PīP°C,PsCḡP°P·PsPIPëC... 5- C- 15-C...PIPëP»PëPSPSPëC... C-PSC,,CÍP·C-PNḡ CÍ PrPsP·P°C...

2, 4, 8 C- 16 PjPī P·PsP»PμPrCḡPsPSPsPIPsC— PePëCÍP»PsC,Pë 64 PīP°CÍC-C°PSC,P°Pj P±CÍP»Pë
 PsC,CḡPëPjP°PSC- PSPëPḡC±PμPSP°PIPμPrPμPSC- PrP°PSC- C,,P°CḡPjP°PePsPeC-PSPμC,PëPePë,
 C°Ps PSPμ P·P°P»PμPḡP°P»Pë PIC-Pr PrPsP·Pë.

PḡC-CÍP»Cḡ PīPsC±P°C,PeCÍ C-PSC,,CÍP·C-C— P·PsP»PμPrCḡPsPSPsPIPsC—
 PePëCÍP»PsC,Pë PīP»P°P·PjPsPIP° PePsPSC†PμPSC,CḡP°C†C-Cḡ P°PeC,PëPIPSPsC—
 CḡPμC±PsPIPëPSPë CḡPIPëPrPePs P·P±C-P»CHbC€CÍPIP°P»P°CÍCḡ,
 PrPsCÍCḡPīP°CḡC±Pë PīC-PeP° PSP°PīCḡPëPeC-PSC†C- C-PSC,,CÍP·C-C—, PīPsC,C-Pj
 CḡPIPëPrPePs P·PSPëPḡCÍPIP°P»P°CÍCḡ PrPs < 10 % PīC-PeP° C±PμCḡPμP· 4
 PīPsPrPëPSPë C- PrPs < 1 % PīC-PeP° бḡ“ C±PμCḡPμP· 24 PīPsPrPëPSPë P·
 PīPsPrP°P»CHbC€PëPj C,CḡPëPIP°P»PëPj PīPμCḡC-PsPrPsPj PrCÍPḡPμ PSPëP·CHbPePëC...
 PePsPSC†PμPSC,CḡP°C†C-PNḡ, CḡPeC- PSPμ PīPμCḡPμPIPëC°CÍCḡC,CHb 0,1 %
 PīC-PePsPIPsPīPs CḡC-PIPSCḡ.

P°PSCÍC,CḡC-CḡPSCḡPsPIPμPSPSPs PIPμPrPμPSP° P·PsP»PμPrCḡPsPSPsPIP°
 PePëCÍP»PsC,P° PIPëPrC-P»CḡC°C,CHbCÍCḡ PSPëCḡPeP°PjPë PI C,CḡPë PμC,P°PīPë:
 CḡPIPëPrPePμ PrPIPsC,,P°P·PSPμ PIPëPIPμPrPμPSPSCḡ PīCḡPμPīP°CḡP°C,CÍ C-P·
 CÍPëCÍC,PμPjPSPsC— C†PëCḡPeCÍP»CḡC†C-C— P· PīPμCḡC-PsPrP°PjPë
 PSP°PīC-PIPIPëPIPμPrPμPSPSCḡ t1/2a 0,24 C- t1/2b 1,87 PīPsPrPëPSPë, PīPsC,C-Pj
 C,CḡPëPIP°P»P° C,,P°P·P° PμP»C-PjC-PSP°C†C-C— P· PeC-PSC†PμPIPëPj
 PīPμCḡC-PsPrPsPj PSP°PīC-PIPIPëPIPμPrPμPSPSCḡ t1/2g

146 PīPsPrPëPS. PκP°PePsPīPëC±PμPSPSCḡ P°PeC,PëPIPSPsC— CḡPμC±PsPIPëPSPë CÍ
 PīP»P°P·PjC- PeCḡPsPIC- PīC-CÍP»Cḡ P±P°PīP°C,PsCḡP°P·PsPIPëC... PrPsP·, CḡPeC-
 PIPμPrCḡC,CHb PePsPḡPSC- 28 PrPSC-PI, PSPμ CÍPīPsCÍC,PμCḡC-PīP°P»PsCÍCḡ.
 PκP° CḡP°PSPSC-C... C,,P°P·P°C... PrPëCÍPīPsP·PëC†C-PNḡ (P°P»CHbC,,P° C- P±PμC,P°, P·
 t½ P·PSP°C±PμPSPSCḡ C- PIPëC°Pμ) PjPsPḡP»PëPIPμ CḡPIPëPrPePμ
 CḡPsP·PīPsPrC-P»PμPSPSCḡ PI PeC-CÍC,PeP°C... C,P° PIPëPIPμPrPμPSPSCḡ
 PSPëCḡPeP°PjPë. P—PsP»PμPrCḡPsPSPsPIP° PePëCÍP»PsC,P° PSPμ
 PjPμC,P°P±PsP»C-P·CÍC°C,CHbCÍCḡ C- PIPëPrC-P»CḡC°C,CHbCÍCḡ CÍ
 PSPμP·PjC-PSPμPSPsPjCÍ PIPëPīP»CḡPrC- PSPëCḡPeP°PjPë. PḡCḡPsC,CḡPīPsPj
 PīPμCḡC€PëC... 24 PīPsPrPëPS

39B±16 % PIPiPμPrPμPSPsC— PrPsP·Pë PμPeCfPeCtPμC,CfC"C,CHCfCt C-P·
CfPμC±PμCt, C,PsPrC- CμPe C-PSC€P° PeC-P»CHPeC-CfC,CH PïCtPμPïP°CtP°C,Cf PI
PsCfPSPsPSPsPjCf P·PIBtTM CμP·CfC"C,CHCfCt P· PeC-CfC,PePsPIPsCt
C,PeP°PSPëPSPsCt. PÿP°PePμ PïPsPiP»PëPSP°PSPSCt PeC-CfC,PePsPIPsCt
C,PeP°PSPëPSPsCt C" C...P°CtP°PeC,PμCtPSPëPj PrP»Ct CfCfC-C...
P±C-CfC,,PsCfC,,PsPSP°C,C-PI C-, CμPe PIPiP°P¶P°C"C,CHCfCt,
PIC-PrP±CfPIP°C"C,CHCfCt PIPSP°CfP»C-PrPsPe CfC...PsP¶PsCfC,C- P·P°
P±CfPrPsPIPsCt P· PïC-CtPμC,,PsCfC,,P°C,PsPj. PïPe C- Cf CtP°P·C-
P·P°CfC,PsCfCfPIP°PSPSCt C-PSC€PëC... P±C-CfC,,PsCfC,,PsPSP°C,C-PI, C±P°Cf
CfC,CtPëPjP°PSPSCt P·PsP»PμPrCtPμPSPsPIPsC— PePëCfP»PsC,Pë PI
PeC-CfC,PePsPIC-PNë C,PeP°PSPëPSC- C" PrCfP¶Pμ C,CtPëPIP°P»PëPj. PμPsC,C-Pj
PïPsPIC-P»CHPSPs PIC-PrP±CfPIP°C"C,CHCfCt P·PIPsCtPμC,PSPμ
PIPëPIC-P»CHPSPμPSPSCt P·PsP»PμPrCtPμPSPsPIPsC— PePëCfP»PsC,Pë P·
PeC-CfC,PePsPIPsC— C,PeP°PSPëPSPë PI CfPëCfC,PμPjPSCf C†PëCtPμCfP»CtC†C-Ct C-
C—C— PIPëPrC-P»PμPSPSCt PSPëCtPμP°PjPë. P—P°PiP°P»CHPSPëPNë PeP»C-CtPμPSCf
PïCtPμPïP°CtP°C,Cf CfC,P°PSPsPIPëC,CH 5,04B±2,5 P»/PiPsPr. P'C-PS PSPμ
P·P°P»PμP¶PëC,CH PIC-Pr PrPsP·Pë, CfC,P°C,C-, PIC-PëCf, CtP°CfPsPIPsC—
PSP°P»PμP¶PSPsCfC,C- C- PjP°CfPë C,C-P»P° PïP°C†C-C"PSC,P°. P"PsPIPμPrPμPSPs, C%Ps
PIPSCfC,CtC-C€PSCtPμCfCfP±BtTM C"PeC,PSC- C,P° PjC-P¶CfCfP±BtTM C"PeC,PSC-
PIP°CtC-P°C†C-C— PïP»P°P·PjPsPIPsPiPs PeP»C-CtPμPSCfCf
P·PsP»PμPrCtPμPSPsPIPsC— PePëCfP»PsC,Pë CfC,P°PSPsPIP»CtC,CH 36 % C,P° 34 %
PIC-PrPïPsPIC-PrPSPs. P—P±C-P»CHC€PμPSPSCt C,CtPëPIP°P»PsCfC,C- C-PSC,,CfP·C-C—
P· 5 PrPs 15 C...PIPëP»PëPS PïCtPëP·PIPsPrPëC,CH PrPs P·PSPëP¶PμPSPSCt
PePsPSC†PμPSC,CtP°C†C-C— P·PsP»PμPrCtPμPSPsPIPsC— PePëCfP»PsC,Pë
PSP°PïCtPëPeC-PSC†C- C-PSC,,CfP·C-C—, P°P»Pμ PSPμ PIPiP»PëPIP°C" PSP° PïP»PsC%Cf
PïC-Pr PeCtPëPIPsCt P·P°P»PμP¶PSPsCfC,C- PePsPSC†PμPSC,CtP°C†C-C— PIC-Pr C±P°CfCf.

P"PsCfP»C-PrP¶PμPSCt PIP·P°C"PjPsPrC-C— P·PsP»PμPrCtPμPSPsPIPsC—
PePëCfP»PsC,Pë P· C-PSC€PëPjPë P»C-PeP°CtCfCHPePëPjPë PïCtPμPïP°CtP°C,P°PjPë
PSPμ PïCtPμPSPsPrPëP»PsCfCt. PhCfPeC-P»CHPePë P·PsP»PμPrCtPμPSPsPIP°
PePëCfP»PsC,P° PSPμ PjPμC,P°P±PsP»C-P·CfC"C,CHCfCt PI PsCtPïP°PSC-P·PjC-
P»CtPrPëPSPë C- PIPëCtPIP»PμPSP° CtPμC†PsPIPëPSP° PjP°C" P»PëC€Pμ PSPμP·PSP°C†PSCf
P°PeC,PëPIPSC-CfC,CH P°P±Ps PSPμ PjP°C" P·PsPICfC-Pj CμPe
P±PμP·PïPsCfPμCtPμPrPSCtPs PrC-CtC†PëPNë C,P°/P°P±Ps PSPμPsP±PsCtPμC,PSPëPNë
C-PSPiC-P±C-C,PsCt C,,PμCtPjPμPSC,C-PI C†PëC,PsC...CtPμPjCf P 450,
P·PsP»PμPrCtPμPSPsPIP° PePëCfP»PsC,P° PSP°PICtCtPr C†Pë P±CfPrPμ P·PjPμPSC€CfPIP°C,Pë
PjPμC,P°P±PsP»C-C†PSPëPNë PeP»C-CtPμPSCf CtPμC†PsPIPëPSPë, CμPeP°
PjPμC,P°P±PsP»C-P·CfC"C,CHCfCt C†PμCtPμP· CfPëCfC,PμPjCf C,,PμCtPjPμPSC,C-PI
C†PëC,PsC...CtPμPjCf P 450. P—PsP»PμPrCtPμPSPsPIP° PePëCfP»PsC,P° PSPμ PjP°C"
PIPëCfPsPePsPiPs CfC,CfPïPμPSCt P·PIBtTM CμP·CfPIP°PSPSCt P· P±C-P»PeP°PjPë PïP»P°P·PjPë
PeCtPμPIC- (P·PIBtTM CμP·CfPIP°PSPSCt CfC,P°PSPsPIPëC,CH PïCtPëP±P»PëP·PSPs 43–55 %),
C- C†Pμ P·PIBtTM CμP·CfPIP°PSPSCt PSPμ P·P°P»PμP¶PëC,CH PIC-Pr
PePsPSC†PμPSC,CtP°C†C-C—. PÿP°PePëPj C†PëPSPsPj, C-PjPsPIC-CtPSC-CfC,CH
PIP·P°C"PjPsPrC-C— PI CtPμP·CfP»CHC,P°C,C- P·P°PjC-C%PμPSPSCt PïCtPμPïP°CtP°C,C-PI,
C%Ps P·PSP°C†PSPsCt PjC-CtPμCt P·PIBtTM CμP·CfCtC,CHCfCt P· P±C-P»PeP°PjPë, C"
PSPμP·PSP°C†PSPsCt.

PhPeCtPμPjC- PïPsPïC±P»CtC†C-C—.

PμPsCtC±C€PμPSPSCt C,,C±PSPeC†C-C— PSPëCtPμPe.

$$\text{P}_{11}\text{C}-\text{PrPIP}\ddot{\text{C}}\%_{100}\text{PuPSP}^{\circ}\text{C}\ddot{\text{C}}\text{rC},\text{P}\gg\text{P}\ddot{\text{C}}\text{PIC}-\text{C}\ddot{\text{C}}\text{C},\text{CH}\text{PrPs}^{\circ}\text{P}\ddot{\text{C}}\text{C},\text{P}\ddot{\text{C}}\text{PIPSPsC}-\text{CHPuC}\ddot{\text{C}}\text{PsPIP}\ddot{\text{C}}\text{PSP}\ddot{\text{C}}$$

C†Pë PrPs P±C†PrCH-C†PpPsPiPs PePsPjPīPsPSPμPSC,P° P»C-PeP°C†C†CHPePsPiPs
P·P°C†PsP±C† P°P±Ps PīC-PrPIPëC%PμPSP° C†C†C,P»PëPIC-C†C,CH PrPs
P±C-C†C,,PsC†C,,PsPSP°C,C-PI. P°C-PīPsPeP°P»CHC†C-C°PjC-C†. P†C†P¶PePμ
PīPsC†C†C†PμPSPSC† C,,C†PSPeC†C-C— PSPëC†PsPe P· PeP»C-C†PμPSC†PsPj
PeC†PμP°C,PëPSC-PSC† < 35 PjP»/C...PI. PμPμC†C-PsPr PIP°PiC-C,PSPsC†C,C- P°P±Ps
PiPsPrC†PIP°PSPSC† PiC†C†PrPrC†.

**P·P·P°C°PjPsPrC-C† P· C-PSC€PëPjPë P»C-PeP°C†C†CHPePëPjPë P·P°C†PsP±P°PjPë C,P°
C-PSC€C- PIPëPrPë PIP·P°C°PjPsPrC-PN.**

P†PīPμC†C-P°P»CHPSPëC... PrPsC†P»C-PrP¶PμPSC† PIP·P°C°PjPsPrC-C—
P»C-PeP°C†C†CHPePëC... P·P°C†PsP±C-PI C-P· P·PsP»PμPrC†PsPSPsPiPsC†
PePëC†P»PsC,PsC† PSPμ PīC†PsPiPsPrPëP»Pë. P—PsP»PμPrC†PsPSPsPIP° PePëC†P»PsC,P°
C†PëC†C,PμPjP°C,PëC†PSPs PSPμ PjPμC,P°P±PsP»C-P·C†C°C,CHC†C† C- PSPμ PIPīP»PëPIP°C°
PSP° PμPSP·PëPjPë C†PëC,PsC...C†PsPjC† P 450 P»C†PrPëPSPë *in vitro*.
P—PsP»PμPrC†PsPSPsPIP° PePëC†P»PsC,P° P·PiB†™C†P·C†C°C,CHC†C† P· P±C-P»PeP°PjPë
PīP»P°P·PjPë PeC†PsPIC- PSPμP·PSP°C†PSPsC† PjC-C†PsC† (P·PiB†™C†P·C†PIP°PSPSC†
C†C,P°PSPsPiPëC,CH PīC†PëP±P»PëP·PSPs 43–55 %), C,PsPjC† PIP·P°C°PjPsPrC-C—, C†PeC-
PIC-PrP±C†PIP°C†C,CHC†C† PIPSP°C†P»C-PrPsPe P·P°PjC-C%PμPSPSC†
PīC†PμPīP°C†P°C,C-PI P· PIPëC†PsPePëPj C†C,C†PīPμPSPμPj P·PiB†™C†P·C†PIP°PSPSC†,
PjP°P»PsPNëPjPsPIC-C†PSC-.

P—PsP»PμPrC†PsPSPsPIP° PePëC†P»PsC,P° PIPëPiPsPrPëC,CHC†C† P· PsC†PiP°PSC-P·PjC†
C€P»C†C...PsPj PSPëC†PePsPiPsC— PμPeC†PeC†PμC†C-C—. P†P»C-Pr
PrPsC,C†PëPjC†PIP°C,PëC†C† PsP±PμC†PμP¶PSPsC†C,C- PīC†Pë P·P°C†C,PsC†C†PIP°PSPSC-
P—PsP»PμC†PjC† C† PīPsC°PrPSP°PSPSC- P· PīC†PμPīP°C†P°C,P°PjPë, C†PeC- PjPsP¶C†C,CH
P·PSP°C†PSPsC† PjC-C†PsC† PIPīP»PëPIP°C,Pë PSP° C,,C†PSPeC†C-C† PSPëC†PsPe
(PSP°PīC†PëPeP»P°Pr P· P°PjC-PSPsPiP»C-PePsP·PëPrP°PjPë P°P±Ps PrC-C†C†PμC,PëPeP°PjPë,
C†PeC- PjPsP¶C†C,CH C†PīC†PëC†PëPSC†C,Pë PrPμPiC-PrC†P°C,P°C†C-C†).

Pj PīP°C†C-C°PSC,C-PI P· PīPsC†C†C†PμPSPSC†PjPë C,,C†PSPeC†C-C— PSPëC†PsPe PjPsP¶Pμ
PīC-PrPIPëC%C†PIP°C,PëC†C† C†PëC†C,PμPjPSP° PμPeC†PiPsP·PëC†C-C†
PsPrPSPsC†P°C†PSPs PIPiPμPrPμPSPëC... P»C-PeP°C†C†CHPePëC... PīC†PμPīP°C†P°C,C-PI,
C%Ps PIPëPiPsPrC†C,C†C†C† PīPμC†PμPīP°P¶PSPs PSPëC†PeP°PjPë.

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

P—P°C†C,PsC†C†PIP°PSPSC† P—PsP»PμC†PjP° PīP°C†C-C°PSC,P°Pj P· C,C†P¶PePëPj
PīPsC†C†C†PμPSPSC†Pj C,,C†PSPeC†C-C— PSPëC†PsPe (PeP»C-C†PμPSC†
PeC†PμP°C,PëPSC-PSC† B B B B B B B B

B < 35 PjP»/C...PI) PīC†PsC,PëPīPsPeP°P·P°PSPμ P· PsPiP»C†PrC† PSP° C†PëP·PëPe
PIC-PrPjPsPiPë PSPëC†PsPe C† C†C-C°C— PeP°C,PμPiPsC†C-C— PīP°C†C-C°PSC,C-PI.

PμC-C†P»C† PIPiPμPrPμPSPSC† P·PsP»PμPrC†PsPSPsPiPsC— PePëC†P»PsC,Pë
C†PiPsC†C,PμC†C-PiP°P»PsC†C† PīPsC†C†C†PμPSPSC† C,,C†PSPeC†C-C— PSPëC†PsPe,
PsC†PsP±P»PëPiPs C† PīP°C†C-C°PSC,C-PI P· C†P¶Pμ C-C†PSC†C†C†PsC† PSPëC†PePsPiPsC†
PrPëC†C,,C†PSPeC†C-C°C† P°P±Ps C-PSC€PëPjPë C,,P°PeC,PsC†P°PjPë C†PëP·PëPeC†, C%Ps

PIPeP»CĤC†P°CĤC,CH P»C-C,PSC-PN₆ PIC-Pe, PsPrPSPsC†P°CĤPSPëPN₆ PĭCĤPëPN₆PsPj
PSPμC,,CĤPsC,PsPeCĤPëC†PSPëC... P»C-PeP°CĤCĤCHPePëC... PĭCĤPμPĭP°CĤP°C,C-PI,
PsPrPSPsC†P°CĤPSCř C,PμCĤP°PĭC-CĤ PrC-CřCĤPμC,PëPeP°PjPë P°P±Ps
PrPμPĭC-PrCĤP°C,P°C†C-CĤ, C%Ps PIPëPSPëPeP»P° PĭC-CĤP»CĤ PIPĭPμPrPμPSPSCĤ
P·PsP»PμPrCĤPsPSPsPIPsC— PePëCĤP»PsC,Pë. PμPsCĤCřCëPμPSPSCĤ C,,CřPSPeC†C-C—
PSPëCĤPsPe CĤPĭPsCĤC,PμCĤC-PĭP°P»PsCĤCĤ Cř PĭP°C†C-C”PSC,C-PI PĭC-CĤP»CĤ
PsPrPSPsPeCĤP°C,PSPsPiPs P·P°CĤC,PSCĤCřPIP°PSPSCĤ P·PsP»PμPrCĤPsPSPsPIPsC—
PePëCĤP»PsC,Pë. PĥPëCĤPePsPIP° PSPμPrPsCĤC,P°C,PSC-CĤC,CH, C%Ps PIPëPjP°PĭP°P»P°
P·P°CĤC,PSCĤCřPIP°PSPSCĤ PrC-P°P»C-P·Cř P°P±Ps PĭCĤPëP·PIPμP»P° PrPs
P»PμC,P°P»CHPSPsPiPs PSP°CĤP»C-PrPeCř, P·CĤC-PrPeP° CĤPĭPsCĤC,PμCĤC-PĭP°P»P°CĤCĤ Cř
PĭP°C†C-C”PSC,C-PI P· CřP¶Pμ C-CĤPSCřCĤC†PëPj PĭPsCĤCřCëPμPSPSCĤPj C,,CřPSPeC†C-C—
PSPëCĤPsPe P°P±Ps P· CĤPePëPjPëCĤCH P· PsPĭPëCĤP°PSPëC... PIPëC%Pμ C,,P°PeC,PsCĤC-PI
CĤPëP·PëPeCř.

P©PsP± P·PIPμCĤC,Pë PrPs PjC-PSC-PjCřPjCř CĤPëP·PëPe PSPμP±P°P¶P°PSPëC...
CĤPμP°PeC†C-PN₆ P· P±PsPeCř PSPëCĤPsPe, CĤP»C-Pr PICĤP°C...PsPICřPIP°C,Pë C,P°PeC-
P·P°CĤC,PμCĤPμP¶PμPSPSCĤ:

вĤŸ PĭPμCĤPμPr PePsP¶PSPëPj PIPĭPμPrPμPSPSCĤPj P—PsP»PμCřPjP°
PSPμPsP±C...C-PrPSPs PIPëP·PSP°C†PëC,Pë PeP»C-CĤPμPSCĤ PeCĤPμP°C,PëPSC-PSCř
P· CřCĤP°C...CřPIP°PSPSCĤPj PjP°CĤPë C,C-P»P°, PIPëPePsCĤPëCĤC,PsPICřCĤC†Pë
C,,PsCĤPjCřP»Cř PĤPsPeCĤPsC,,C,P°-P“PsP»C,P°;

вĤŸ C,CĤP°PSP·PëC,PsCĤPSPμ PĭC-PrPIPëC%PμPSPSCĤ CĤC-PIPSCĤ
PeCĤPμP°C,PëPSC-PSCř PI CĤPëCĤPsPIP°C,C†C- PeCĤPsPIC- PjPsP¶Pμ P±CřC,Pë
P±C-P»CHCëPëPj Cř PĭP°C†C-C”PSC,C-PI P· CřP¶Pμ C-CĤPSCřCĤC†PëPj
PĭPsCĤCřCëPμPSPSCĤPj C,,CřPSPeC†C-C— PSPëCĤPsPe;

вĤŸ Cř PĭP°C†C-C”PSC,C-PI P· PĭCĤCřPĭPë CĤPëP·PëPeCř CĤP»C-Pr P·PrC-PN₆CĤPSCĤPIP°C,Pë
PjPsPSC-C,PsCĤPëPSPĭ CĤC-PIPSCĤ PeCĤPμP°C,PëPSC-PSCř PI CĤPëCĤPsPIP°C,C†C-
PeCĤPsPIC-;

вĤŸ P—PsP»PμCřPj CĤP»C-Pr P·P°CĤC,PSCĤPsPICřPIP°C,Pë P·
PsP±PμCĤPμP¶PSC-CĤC,CĤ PĭCĤPë PsPrPSPsC†P°CĤPSPsPjCř P·P°CĤC,PSCĤCřPIP°PSPSC-
C-PSCëPëC... P»C-PeP°CĤCĤCHPePëC... P·P°CĤPsP±C-PI, C%Ps PjPsP¶CřC,CH
PIPĭP»PëPIP°C,Pë PSP° C,,CřPSPeC†C-CĤ PSPëCĤPsPe;

вĤŸ PĭP°C†C-C”PSC,Pë, PsCĤPsP±P»PëPIPs PĭP°C†C-C”PSC,Pë P»C-C,PSCHPsPiPs PIC-PeCř C-
C,C-, C...C,Ps PĭCĤPëPN₆PjP°C” PrC-CřCĤPμC,PëPePë, PĭPsC,CĤPμP±CřCĤC,CH
PrPsCĤC,P°C,PSCHPsC— PĭC-PrCĤP°C,P°C†C-C— PĭPμCĤPμPr PIPĭPμPrPμPSPSCĤPj
P—PsP»PμCřPjP°;

вĤŸ PsPrPSPsCĤP°P·PsPIP° PrPsP·P° P—PsP»PμCřPjP° PSPμ PĭPsPIPëPSPSP°
PĭPμCĤPμPIPëC%CřPIP°C,Pë 5 PjPi, P° C,CĤPëPIP°P»C-CĤC,CH C-PSC,,CřP·C-C—
PĭPsPIPëPSPSP° P±CřC,Pë PSPμ PjPμPSCëPμ 15 C...PIPëP»PëPS.

PĥP°CĤPIPSCř PĭC-PĭPsPeP°P»CHC†C-C”PjC-CĤ PSPμPsP±C...C-PrPSPs P»C-PeCřPIP°C,Pë
P°PrPμPePIP°C,PSPëPj PĭCĤPëPN₆PsPjPsPj PeP°P»CHC†C-CĤ C- PIC-C,P°PjC-PSCř D PrPs
PĭPsC†P°C,PeCř C,PμCĤP°PĭC-C— P—PsP»PμCřPjPsPj. P†PSCëC- PĭPsCĤCřCëPμPSPSCĤ
PjC-PSPμCĤP°P»CHPSPsPiPs PsP±PjC-PSCř, PSP°PĭCĤPëPeP»P°Pr, P·PjPμPSCëPμPSPSCĤ
PĭP°CĤP°C%PëC,PsPIPëPrPSPsC— P·P°P»PsP·Pë, PĭPsCĤCřCëPμPSPSCĤ P°P±CĤPsCĤP±C†C-C—

PeP°P»CHC†C-CḤ Cr PePëC€PµC‡PSPëPeCḥ, C,P°PePsP¶ PīPsC,CḥPµP±CḥCḤ,CḤ
PµC,,PµPeC,PëPIPPSPsPiPs P»C-PeCḥPIP°PSPSCḤ. P»C-PeP°Cḥ PjP°C” CḥPµC,PµP»CHPSPS
PePsPSC,CḥPsP»CḥPIP°C,Pë C†PëC... PīP°C†C-C”PSC,C-PI.

PµPsCḥPëP»PµPSPµ CḥPµPjPsPrPµP»CḥPIP°PSPSCḤ PeC-CḥC,PePsPIPsC— C,PeP°PSPëPSPë
C...P°CḥP°PeC,PµCḥPSPµ PrP»CḤ C...PIPsCḥPsP±Pë PµPµPrP¶PµC,P° P· CḥCḥP°P¶PµPSPSCḤPj
PeC-CḥC,PsPe. P§PµCḥPµP· C€PIPëPrPePëPNë PīPsC‡P°C,PsPe PIPīP»PëPICḥ
P·PsP»PµPrCḥPsPSPsPIPsC— PePëCḥP»PsC,Pë PSP° CḥPµPjPsPrPµP»CḥPIP°PSPSCḤ
PeC-CḥC,PePsPIPsC— C,PeP°PSPëPSPë PjPsP¶Pµ PIPëPSPëPeP°C,Pë C,CḥP°PSP·PëC,PsCḥPSP°
PiC-PiPsPeP°P»CHC†C-C”PjC-CḤ, PīPsPrPµPePsP»Pë P· PeP»C-PSC-C‡PSPëPjPë
PīCḥPsCḤPIP°PjPë, C%Ps P·P°P·PIPëC‡P°PNë PrPsCḥCḤPiP°C” PjP°PeCḥPëPjCḥPjCḥ
PīCḥPsC,CḤPiPsPj PīPµCḥC€PëC... 10 PrPSC-PI PīC-CḥP»CḤ C-PSC,,CḥP·C-C—
P—PsP»PµCḥPjP°.

PµCḥPë P·P°CḥC,PsCḥCḥPIP°PSPSC- P—PsP»PµCḥPjP° CḥPµPePsPjPµPSPḥCḥCḥCḤCḤ
PsPrPSPsC‡P°CḥPSPµ PrPsCḥC,P°C,PSC” CḥPīPsP¶PëPIP°PSPSCḤ PeP°P»CHC†C-CḤ C,P°
PIC-C,P°PjC-PSCḥ D. PḥCḥC-Pj C,PsPiPs, PrP»CḤ PīP°C†C-C”PSC,C-PI P· C...PIPsCḥPsP±PsCḥ
PµPµPrP¶PµC,P° PsP±PsPIḥḥ™ CḤP·PePsPIPs CḥP»C-Pr P·P°P±PµP·PīPµC‡PëC,Pë
PrPsCḥC,P°C,PSC-PNë PrPsPrP°C,PePsPIPëPNë PīCḥPëPNëPsPj PeP°P»CHC†C-CḤ, C%Ps
PIC-PrPīPsPIC-PrP°PI P±Pë C%PsPSP°PNëPjPµPSC€Pµ 500 PjPi PµP»PµPjPµPSC,P°CḥPSPsPiPs
PeP°P»CHC†C-CḤ PrPIC-C‡C- PSP° PrPsP±Cḥ PīCḥPsC,CḤPiPsPj 10 PrPSC-PI PīC-CḥP»CḤ
PIPIPµPrPµPSPSCḤ P—PsP»PµCḥPjP°. PµP°C†C-C”PSC,P°Pj PSPµPsP±C...C-PrPSPs
CḥPsP·PīPsPIC-CḥC,Pë PīCḥPs CḥPëPjPiC,PsPjPë PiC-PiPsPeP°P»CHC†C-C”PjC-C— C-
P·P°P±PµP·PīPµC‡PëC,Pë P°PrPµPePIP°C,PSPëPNë PjPsPSC-C,PsCḥPëPSPi CḥPīCḥPsPrPsPIP¶
PīPµCḥC-PsPrCḥ CḥPëP·PëPeCḥ. Pj PīP°C†C-C”PSC,C-PI P· C...PIPsCḥPsP±PsCḥ
PµPµPrP¶PµC,P° CḥPµPePsPjPµPSPḥCḥCḤ PIPëP·PSP°C‡P°C,Pë
CḥC-PIPµPSCḤ PeP°P»CHC†C-CḤ Cr CḥPëCḥPsPIP°C,C†C- PeCḥPsPIC- PrPs
C-PSC,,CḥP·C-C— P—PsP»PµCḥPjP°.

P—CḥC-PrPeP° PSP°PrC...PsPrPëP»Pë PīPsPIC-PrPsPjP»PµPSPSCḤ PīCḥPs
PIPëCḥP°P¶PµPSPëPNë C,P° PīPsPrPµPePsP»Pë C-PSPIP°P»C-PrPëP·CḥCḥCḥPëPNë P±C-P»CH Cr
PeC-CḥC,PeP°C..., CḥCḥPiP»PsP±P°C... C,P°/P°P±Ps Pjḥḥ™ CḤP·P°C... Cr PīP°C†C-C”PSC,C-PI,
CḤPeC- PīCḥPëPNëPjP°P»Pë P±C-CḥC,,PsCḥC,,PsPSP°C,Pë, PI C,PsPjCḥ C‡PëCḥP»C-
P—PsP»PµCḥPj.

PḥCḥC,PµPsPSPµPeCḥPsP· C%PµP»PµPīPë

Pj PīPsCḥC,PjP°CḥPePµC,PëPSPiPsPIPëC... PrPsCḥP»C-PrP¶PµPSPSCḤC...
PīPsPIC-PrPsPjP»CḤP»Pë PīCḥPs PsCḥC,PµPsPSPµPeCḥPsP· C%PµP»PµPīPë Cr
PīP°C†C-C”PSC,C-PI, CḤPeC- PsPrPµCḥP¶CḥCḤ P·PsP»PµPrCḥPsPSPsPICḥ PePëCḥP»PsC,Cḥ
Cr P·PIḥḥ™ CḤP·PeCḥ P· PsCḥC,PµPsPīPsCḥPsP·PsPj.

PµPsC‡P°C,PsPe P»C-PeCḥPIP°PSPSCḤ P°P±Ps PSPsPIPëPNë PeCḥCḥCḥ P»C-PeCḥPIP°PSPSCḤ
CḥP»C-Pr PIC-PrPeP»P°CḥC,Pë PrP»CḤ PīP°C†C-C”PSC,C-PI C-P· PSPµP·P°PiPsC”PSPëPjPë
PIC-PrPeCḥPëC,PëPjPë CḥCḥP°P¶PµPSPSCḤPjPë Pjḥḥ™ CḤPePëC... C,PeP°PSPëPS Cr
PīPsCḥPsP¶PSPëPSC- CḥPsC,P°B P”Ps PīPsC‡P°C,PeCḥ P»C-PeCḥPIP°PSPSCḤ
P—PsP»PµCḥPjPsPj PrP»CḤ PīP°C†C-C”PSC,C-PI C-P· CḥCḥPīCḥC,PSC-PjPë C,,P°PeC,PsCḥP°PjPë
CḥPëP·PëPeCḥ CḥPµPePsPjPµPSPḥCḥCḤ PīPsPīPµCḥPµPrPSCḥPs PīCḥPsPIPµCḥC,Pë
CḥC,PsPjP°C,PsP»PsPiC-C‡PSPëPNë PsPiP»CḤPr P· PIC-PrPīPsPIC-PrPSPëPj
PīCḥPsC,,C-P»P°PeC,PëC‡PSPëPj CḥC,PsPjP°C,PsP»PsPiC-C‡PSPëPj P»C-PeCḥPIP°PSPSCḤPj C,P°
C-PSPrPëPIC-PrCḥP°P»CHPSPsCḥ PsC†C-PSPePsCḥ PePsCḥPëCḥC,C- C,P° CḥPëP·PëPeCḥ.

$$\begin{aligned} & \text{P}\mu\text{C}\overline{\text{H}}\text{P}\overline{\text{e}} \text{ PsC}\dagger\text{C}-\text{PSC}\dagger\text{C}- \text{C}\overline{\text{H}}\text{P}\overline{\text{e}}\text{P}\cdot\text{P}\overline{\text{e}}\text{PeC}\acute{r} \text{ C}\overline{\text{H}}\text{PsP}\cdot\text{PIP}\overline{\text{e}}\text{C},\text{PeC}\acute{r} \text{ PsC}\acute{\text{I}}\text{C},\text{P}\mu\text{PsPSP}\mu\text{PeC}\overline{\text{H}}\text{PsP}\cdot\text{C}\acute{r} \\ & \text{C}\%_{\text{O}}\text{P}\mu\text{P}\gg\text{P}\mu\text{P}\overline{\text{I}}\text{P}\overline{\text{e}} \text{ C}\acute{r} \text{ P}\overline{\text{I}}\text{P}^{\circ}\text{C}\dagger\text{C}-\text{C}^{\prime\prime}\text{PSC},\text{P}^{\circ} \text{ C}\acute{\text{I}}\text{P}\gg\text{C}-\text{Pr} \text{ P}\pm\text{C}\overline{\text{H}}\text{P}^{\circ}\text{C},\text{P}\overline{\text{e}} \text{ PrPs} \text{ C}\acute{r}\text{PIP}^{\circ}\text{P}\overline{\text{I}}\text{P}\overline{\text{e}} \text{ C},\text{P}^{\circ}\text{PeP}\mu: \end{aligned}$$

- P°PeC, PēPIPSC-Cl̇C, CḢP »C- PeP°ĊĊCl̇CḢPePsPiPs P·P°Cl̇PsP±Cṙ, Cl̇PePēPṄ
 PiĊṖPēPiPSC-C±CṙC” ĊṖṖP·PsĊṖP±C†C-ĊḢ PeC-Cl̇C, PePsPIPsC— C, PeP°PSPēPSPē (PrP»Cl̇
 PIPēCl̇PsPePsP°PeC, PēPIPSPēC... Cl̇ṖPiPsP»CṙPe ĊṖPēP·PēPe C” PIPēC%oPēPj), Cl̇PiPsCl̇C-P±
 P·P°Cl̇C, PsCl̇CṙPIP°PSPSCl̇ (PrP»Cl̇ PiP°ĊṖṖPSC, ṖṖĊṖP°P»CḢPSPsPiPs PIPIṖṖṖṖPSPSCl̇
 ĊṖPēP·PēPe C” PIPēC%oPēPj) C, P° PeCṙPjCṙP»Cl̇C, PēPIPSCṙ PrPsP·Cṙ C, ṖṖĊṖP°PiC-C—
 ĊṖṖP·PsĊṖP±C†C-C— PeC-Cl̇C, PePsPIPsC— C, PeP°PSPēPSPē;

- $\text{C}\bar{\text{H}}\text{P}^\circ\text{Pe}$, $\text{C}\bar{\text{I}}\text{C}\bar{\text{r}}\text{P}\bar{\text{i}}\text{C}\bar{\text{r}}\text{C}$, $\text{PSC- P}\cdot\text{P}^\circ\text{C}\dots\text{PIPsC}\bar{\text{H}}\text{C}\bar{\text{H}}\text{PIP}^\circ\text{PSPSC}\bar{\text{I}}$ ($\text{C}, \text{P}^\circ\text{PeC- C}\bar{\text{I}}\text{Pe P}^\circ\text{PSP}\bar{\text{I}}\text{PjC- C}\bar{\text{I}}$, $\text{PePsP}^\circ\text{PiC}\bar{\text{r}}\text{P}\gg\text{PsPiP}^\circ\text{C, C-C-}, \text{C-PSC}, \text{P}\bar{\text{I}}\text{PeC}\bar{\text{I}}\text{C- C}\bar{\text{I}}$), $\text{PiP}^\circ\text{P}\gg\text{C-PSPSC}\bar{\text{I}}$;

- Cl'Cr'PiCr'C,PSC- C,PμCḤP°PiC-C-: PePsCḤC,PëPePsCl'C,PμCḤPsC-PrPë,
C...C-PjC-PsC,PμCḤP°PiC-Cl, C-PSPiC-P±C-C,PsCḤPë P°PSPiC-PsPiPμPSPμP·Cr',
PiCḤPsPjPμPSPμPIP° C,PμCḤP°PiC-Cl PiPsP»PsPIPë C,P° C€PëC-;

- PSp_μPrPsC, C₇P₆P_jP°PSPSC_Π PiC-PiC-C''PSP₆ PiPsC₇PsP_ΠPSP₆PSP₆ C₇PsC, P°
PiP°C₇PsPrPsPSC, PsP°, P·C_rP±PSC- P_iC₇PsC, P_μP·P₆, C%Ps PiPsPiP°PSPs
PiC-PrC...PsPrC_ΠC, C₇, C...PIPsC₇PsP±C_r P·C_rP±C-PI PI P°PSP°P_jPSP_μP·C-,
C-PSPIP°P·P₆PIPSC- C_rC, PsP_jP°C, PsP»PsPiC-C±PSC- P_iC₇PsC_†P_μPrC_rC₇P₆,
PSP°PiC₇P₆PeP»P°Pr PIP₆PrP°P»P_μPSPSC_Π P·C_rP±C-PI.

PjCfC-Pj PiP°C+C-P"PS C, P° Pj CḡPμPePsPjPμPSPrCfC"C, ChCfCḡ PiC-PrC, CḡPēPjCfPIP°C, Pē
PSP°P»PμPḡPSCr PiC-PiC-C"PSCr PiPsCḡPsPḡPSPēPSPē CḡPsC, P° C, P° P·CfP±C-PI,
PiCḡPsC...PsPrPēC, Pē PiPμCḡC-PsPrPēC±PSC- PiPμCḡPμPIC-CḡPePē P·CfP±C-PI C, P°
PSPμPiP°PḡPSPs PiPsPIC-PrPsPjP»CḡC, Pē PiCḡPs P±CfPrCh·CḡPeC- PiPμCḡPsCḡP°P»ChPSC-
CfPēPjPiC, PsPjPē, C, P°PeC- CḡPe CḡCfC...P»PēPIC-CfC, Ch P·CfP±C-PI, P±C-P»Ch P°P±Ps
PSP°P±CḡCḡPe, PSPμP·P°PiPsC"PSPSCḡ PIPēCḡP°P·PsPe P°P±Ps PIPēPrC-P»PμPSPSCḡ PiC-Pr
C±P°Cf P»C-PeCfPIP°PSPSCḡ P·P° PrPsPiPsPjPsPiPsCḡ P·PsP»PμPrCḡPsPSPsPIPsC—
PePēCfP»PsC, Pē. PμC-Pr C±P°Cf P»C-PeCfPIP°PSPSCḡ C-PSPIP°P·PēPIPSC-
CfC, PsPjP°C, PsP»PsPiC-C±PSC- PiCḡPsC†PμPrCfCḡPē CfP»C-Pr PiCḡPsPIPsPrPēC, Pē P·
PsP±PμCḡPμPḡPSC-CfC, Cḡ, CfPSPēPeP°CḡC±Pē P±PμP·PiPsCfPμCḡPμPrPSCḡPsC—
P±P»PēP·ChPePsCfC, C- PrPs PjC-CfC†Cḡ P·P°CfC, PsCfCfPIP°PSPSCḡ
P·PsP»PμPrCḡPsPSPsPIPsC— PePēCfP»PsC, Pē.

$\text{P}_{\mu}\text{P} \gg \text{P}^{\circ}\text{PS} \text{ P} \gg \text{C} - \text{PeCr} \text{PIP}^{\circ}\text{PSPSC} \text{C} \text{ PrP} \gg \text{C} \text{C} \text{ P} \ddot{\text{P}}\text{P}^{\circ}\text{C} \ddagger \text{C} - \text{C}^{\circ}\text{PSC}, \text{C} - \text{PI}, \text{Cr} \text{C} \text{C} \text{IPeP} \ddot{\text{C}} \dots \text{PIP} \ddot{\text{P}}\text{PSP} \ddot{\text{P}}\text{PeP}^{\circ}\text{C}^{\circ}$
 $\text{PsCr} \text{C}, \text{P}_{\mu}\text{PsPSP}_{\mu}\text{PeC} \ddot{\text{H}}\text{PsP} \cdot \text{C} \% \text{P}_{\mu}\text{P} \gg \text{P}_{\mu}\text{P} \ddot{\text{P}} \ddot{\text{P}}, \text{P} \ddot{\text{P}}\text{PsPIP} \ddot{\text{P}}\text{PSPSC} - \text{C} \ddot{\text{H}}\text{PsP} \cdot \text{C} \ddot{\text{H}}\text{PsP} \pm \text{P} \gg \text{C} \text{C} \text{C}, \text{P} \ddot{\text{P}} \text{PI}$
 $\text{C}, \text{C} - \text{Cr} \text{PSC} - \text{PM} \text{Cr} \text{P} \ddot{\text{C}} - \text{PIP} \ddot{\text{C}} \text{C} \ddot{\text{H}}\text{P}^{\circ}\text{C} \ddagger \text{C} - \text{P} \gg \text{C} - \text{PeP}^{\circ}\text{C} \ddot{\text{H}} \text{C} - \text{P} \gg \text{C} - \text{PeP}^{\circ}\text{C} \ddot{\text{H}} - \text{Cr} \text{C}, \text{PsPjP}^{\circ}\text{C}, \text{PsP} \gg \text{PsPi} \text{P}^{\circ}\text{P} \pm \text{Ps}$
 $\text{C} \dots \text{C} - \text{C} \ddot{\text{H}}\text{Cr} \text{C} \ddot{\text{H}}\text{Pi} - \text{Cr} \text{C}, \text{PsPjP}^{\circ}\text{C}, \text{PsP} \gg \text{PsPi}, \text{C} \text{IPeP} \ddot{\text{P}}\text{PN} \text{PjP}^{\circ}\text{C}^{\circ} \text{ PrPsCr} \text{PIC} - \text{Pr} \text{P} \gg \text{C} - \text{PeCr} \text{PIP}^{\circ}\text{PSPSC} \text{C}$
 $\text{P} \ddot{\text{P}}\text{P}^{\circ}\text{C} \ddagger \text{C} - \text{C}^{\circ}\text{PSC}, \text{C} - \text{PI} \text{P} \cdot \text{PsCr} \text{C}, \text{P}_{\mu}\text{PsPSP}_{\mu}\text{PeC} \ddot{\text{H}}\text{PsP} \cdot \text{PsPj} \text{C} \% \text{P}_{\mu}\text{P} \gg \text{P}_{\mu}\text{P} \ddot{\text{P}} \ddot{\text{P}}. \text{P} \ddot{\text{Y}}\text{P} \gg \text{C} - \text{Pr}$
 $\text{C} \ddot{\text{H}}\text{PsP} \cdot \text{PiP} \gg \text{C} \text{IPSCr} \text{C}, \text{P} \ddot{\text{P}} \text{PjPsP} \text{P} \gg \text{P} \ddot{\text{P}}\text{PIC} - \text{Cr} \text{C}, \text{CH} \text{C}, \text{P} \ddot{\text{P}}\text{PjC} \ddagger \text{P}^{\circ}\text{Cr} \text{PsPIP} \text{Sc} - \text{PIC} - \text{PrPjC} - \text{PSP} \ddot{\text{P}}$
 $\text{P} \cdot \text{PsP} \gg \text{P}_{\mu}\text{PrC} \ddot{\text{H}}\text{PsPSPsPIP} \text{Sc} - \text{PeP} \ddot{\text{C}} \text{Cr} \text{P} \gg \text{PsC}, \text{P} \ddot{\text{P}} \text{PrPs} \text{PSPsC} \ddot{\text{H}}\text{PjP}^{\circ}\text{P} \gg \text{C} - \text{P}^{\circ}\text{P}^{\circ}\text{C} \ddagger \text{C} - \text{C} - \text{Cr} \text{C}, \text{P}^{\circ}\text{PSCr}$
 $\text{C}, \text{P}^{\circ} \text{PjP}^{\circ}\text{PeCr} \text{P} \ddot{\text{P}}\text{PjP}^{\circ}\text{P} \gg \text{CH} \text{PSPsPiPs} \text{P} \cdot \text{PjP}_{\mu}\text{PSC} \text{€P}_{\mu}\text{PSPSC} \text{C} \text{C}, \text{P}^{\circ}\text{PeC}, \text{PsC} \ddot{\text{H}}\text{C} - \text{PI} \text{C} \ddot{\text{H}}\text{P} \ddot{\text{P}}\text{P} \cdot \text{P} \ddot{\text{P}}\text{PeCr}.$

PhCf'C,PuPsPSPuPeCf'PsP·P·PsPIPSC-Cf'PSCHbPsPiPs Cf'P»Cf'C...PsPIPbPiPs PiCf'PsC...PsPrCf'

PhCl⁺C, P_μPsPSP_μPeC₇PsP· P·PsPIPSC–C€PSC_HPsPiPs Cl⁺P»CrC...PsPIPsPiPs PiC₇PsC...PsPrCr
Cl⁺PiPsCl⁺C, P_μC₇C–PiP°PIC⁺Cl_μ PiC₇Pë PiC₇PëP_μPsPjC– P±C–Cl⁺C,,PsCl⁺C,,PsPSP°C,C–PI, PI
PsCl⁺PSPsPIPsPjCr⁺ PiC–Pr C‡P°Cl⁺ C,C₇PëPIP°P»PsC— C,P_μC₇P°PiC–C—. P‡P°PeC,P_μC₇Pë
C₇PëP·PëPeCr⁺ PsCl⁺C, P_μPsPSP_μPeC₇PsP·Cr⁺ P·PsPIPSC–C€PSC_HPsPiPs Cl⁺P»CrC...PsPIPsPiPs
PiC₇PsC...PsPrCr⁺ PIPeP»C_HC‡P°C_HC,C_H PIPëPePsC₇PëCl⁺C,P°PSPSC_μ Cl⁺C,P_μC₇PsC—PrC–PI

C,P° C...C-PjC-PsC,PμCḡP°PīC-Cḡ C,P°/P°P±Ps PjC-CḡC†PμPIC- C,,P°PeC,PSCḡPē CḡPēP·PēPeCḡ,
C,P°PeC- CḡPe C-PSC,,PμPeC†C-C— P°P±Ps C,CḡP°PIPjPē. PḡPsPḡP»PēPIC-CḡC,CH
PsCḡC,PμPsPSPμPeCḡPsP·Cḡ P·PsPIPSC-CēPSCḡPsPiPs CḡP»CḡC...PsPIPsPiPs PīCḡPsC...PsPrCḡ
CḡP»C-Pr CḡPsP·PiP»CḡPSCḡC,Pē Cḡ PīP°C†C-C''PSC,C-PI, CḡPeC- PsC,CḡPēPjCḡCḡC,CH
P±C-CḡC,,PsCḡC,,PsPSP°C,Pē C,P° CḡPeP°CḡPḡP°C,CHCḡCḡ PSP° CḡPēPjPiC,PSPjPē P· P±PsPeCḡ
PsCḡPiP°PSC-PI CḡP»CḡC...Cḡ, PI C,PSPjCḡ C†PēCḡP»C- PSP° C...CḡPsPSC-C†PSC-
C-PSC,,PμPeC†C-C— PICḡC...P°.

PḡC,PēPiPsPIC- PīPμCḡPμP»PsPjPē CḡC,PμPiPSPsPIPsC— PeC-CḡC,PePē

PμPsPIC-PrPsPjP»CḡP»Pē PīCḡPs P°C,PēPiPsPIC- PīC-PrPIPμCḡC,P»CḡPḡPSC- C,P°
PrC-P°C,,C-P·P°CḡPSC- PīPμCḡPμP»PsPjPē CḡC,PμPiPSPsPIPsC— PeC-CḡC,PePē PSP° C,P»C-
C,PμCḡP°PīC-C— P±C-CḡC,,PsCḡC,,PsPSP°C,P°PjPē, PīPμCḡPμPIP°PḡPSPs Cḡ
PīP°C†C-C''PSC,C-PI, CḡPeC- PsC,CḡPēPjCḡPIP°P»Pē C,CḡPēPIP°P»Pμ P»C-PeCḡPIP°PSPSCḡ P·
PīCḡPēPIPsPrCḡ PsCḡC,PμPsPīPsCḡPsP·Cḡ. PḡC- PīPsPīPμCḡPμC†PSC- P°P±Ps PePsCḡC-
PīPμCḡPμP»PsPjPē P· PePsCḡPsC,PePsCḡ P»C-PSC-C''Cḡ PīPμCḡPμP»PsPjCḡ PjPsPḡCḡC,CH
PIPēPSPēPeP°C,Pē P±CḡPrCḡ-PrPμ PīPs CḡCḡC-PNē PrPsPIPḡPēPSC- CḡC,PμPiPSPsPIPsC—
PeC-CḡC,PePē, PIC-Pr PrC-P»CḡPSPePē PSPēPḡC†Pμ PjP°P»PsPiPs PIPμCḡC,P»CḡPiP° PrPs
PrC-P»CḡPSPePē PIPēC%Pμ PSP°PrPIPēCḡPsCḡC,PePsPIPsPiPs PīC-PrPIPēC%PμPSPSCḡ. PḡC-
PīPμCḡPμP»PsPjPē PIPēPSPēPeP°CḡC,CH PīC-CḡP»Cḡ PjC-PSC-PjP°P»CHPSPsC— C,CḡP°PIPjPē
P°P±Ps PIP·P°PiP°P»C- P±PμP· PSPμC—, P° PI PrPμCḡPePēC... PīP°C†C-C''PSC,C-PI P±C-P»CH
Cḡ PrC-P»CḡPSC†C- CḡC,PμPiPSP° C†Pē PīP°C...Cḡ, C%Ps C†P°CḡC,Ps
CḡCḡPīCḡPsPIPsPrPḡCḡC,CHCḡCḡ CḡPμPSC,PiPμPSPsP»PsPiC-C†PSPēPjPē PsP·PSP°PeP°PjPē
CḡC,CḡPμCḡPsPIPsPiPs PīPμCḡPμP»PsPjCḡ, P·ḡḡ™ CḡPIP»CḡC''C,CHCḡCḡ P·P° C,PēPḡPSC-
P°P±Ps PjC-CḡCḡC†C- PrPs PIPēCḡPIP»PμPSPSCḡ PīPsPIPSPsPiPs PīPμCḡPμP»PsPjCḡ
CḡC,PμPiPSPsPIPsC— PeC-CḡC,PePē. PḡPμCḡC-PrPePs PīPμCḡPμP»PsPjPē C''
PrPIPsCḡC,PsCḡPsPSPSC-PjPē; C,PSPjCḡ Cḡ PīP°C†C-C''PSC,C-PI, CḡPeC- PsC,CḡPēPjCḡCḡC,CH
P»C-PeCḡPIP°PSPSCḡ P±C-CḡC,,PsCḡC,,PsPSP°C,P°PjPē C- PI CḡPePēC...
PīC-PrC,PIPμCḡPrPḡPμPSPs PrC-P°C,,C-P·P°CḡPSPēPNē PīPμCḡPμP»PsPj CḡC,PμPiPSPsPIPsC—
PeC-CḡC,PePē, PSPμPsP±C...C-PrPSPs C,P°PePsPḡ PsP±CḡC,PμPḡPēC,Pē C-PSCēPμ
CḡC,PμPiPSPs. P'C-PrP·PSP°C†P°P»PsCḡCḡ CḡPīPsPIC-P»CHPSPμPSPμ P·CḡPsC%PμPSPSCḡ
C,P°PePēC... PīPμCḡPμP»PsPjC-PI. PμPēC,P°PSPSCḡ C%PsPrPs PīCḡPēPīPēPSPμPSPSCḡ
C,PμCḡP°PīC-C— P±C-CḡC,,PsCḡC,,PsPSP°C,P°PjPē Cḡ PīP°C†C-C''PSC,C-PI P· PīC-PrPsP·CḡPsCḡ
PSP° P°C,PēPiPsPIPēPNē PīPμCḡPμP»PsPj CḡC,PμPiPSPsPIPsC— PeC-CḡC,PePē CḡP»C-Pr
CḡPsP·PiP»CḡPrP°C,Pē PīC-CḡP»Cḡ CḡPμC,PμP»CHPSPsPiPs PsP±CḡC,PμPḡPμPSPSCḡ
PīP°C†C-C''PSC,P°, PICḡP°C...PsPICḡCḡC†Pē C-PSPḡPēPIC-PrCḡP°P»CHPSCḡ PsC†C-PSPeCḡ
CḡPīC-PIPIC-PrPSPsCēPμPSPSCḡ PePsCḡPēCḡC,C- C,P° CḡPēP·PēPeCḡ.

PμC-Pr C†P°Cḡ P»C-PeCḡPIP°PSPSCḡ P±C-CḡC,,PsCḡC,,PsPSP°C,P°PjPē PīP°C†C-C''PSC,Pē
PīPsPIPēPSPSC- PīPsPIC-PrPsPjP»CḡC,Pē PīCḡPs P±CḡPrCḡ-CḡPePēPNē P±C-P»CH Cḡ
PrC-P»CḡPSC†C- CḡC,PμPiPSP°, C,P°P·PsCḡC,PμPiPSPsPIPsPiPs CḡCḡPiP»PsP±P° P°P±Ps
PīP°C...Cḡ, C- PICḡC-C... PīP°C†C-C''PSC,C-PI, Cḡ CḡPePēC...
CḡPiPsCḡC,PμCḡC-PiP°CḡC,CHCḡCḡ C,P°PeC- CḡPēPjPiC,PSPjPē, CḡP»C-Pr
PsP±CḡC,PμPḡPēC,Pē C%PsPrPs PSPμPīPsPIPSPsPiPs PīPμCḡPμP»PsPjCḡ CḡC,PμPiPSPsPIPsC—
PeC-CḡC,PePē.

P†PSCēC- PsCḡPsP±P»PēPIPsCḡC,C-

PSP°CḡC,PsC,Cḡ CḡPēPjPiC,PSPjC-PI, C%Ps PIPēPSPēPeP°CḡC,CH PīCḡPsC,CḡPiPsPj
PīPμCḡCēPēC... C,CḡCHPsC... PrPSC-PI PīC-CḡP»Cḡ PIPiPμPrPμPSPSCḡ PīCḡPμPīP°CḡP°C,Cḡ,
PjPsPḡPSP° P·PjPμPSCēPēC,Pē CēP»CḡC...PsPj PīCḡPēPNēPsPjCḡ PīP°CḡP°C†PμC,P°PjPsP»Cḡ
P°P±Ps C-P±CḡPīCḡPsC,,PμPSCḡ PsPrCḡP°P·Cḡ PīC-CḡP»Cḡ PIPiPμPrPμPSPSCḡ

$P \gg C - PeP^{\circ} C \bar{H} C \bar{I} C \bar{H} PePsPiPs \quad P \cdot P^{\circ} C \bar{I} C PsP \pm Cr \quad P - PsP \gg P_{\mu} CrPj.$

$P''P \gg C \bar{I} C \quad PsPSPePsP \gg PsPiC - C \ddagger PSPeC... \quad PiC \bar{H} P \ddot{e} P \cdot PSP^{\circ} C \ddagger P_{\mu} PSCH \quad PSP^{\circ} C \bar{I} PIPSC - C - PSC \epsilon C -$
 $PiC \bar{H} P_{\mu} PiP^{\circ} C \bar{H} P^{\circ} C, P \ddot{e}, C \% Ps \quad PjC - C \bar{I} C, C \bar{I} C, CH \quad P \cdot PsP \gg P_{\mu} PrC \bar{H} PsPSPsPICr \quad PeP \ddot{e} C \bar{I} P \gg PsC, Cr \quad C \bar{I} Pe$
 $PrC - C \bar{H} C \ddagger Cr \quad C \bar{H} P_{\mu} C \ddagger PsPIP \ddot{e} PSCr. \quad P_{\mu} P^{\circ} C \ddagger C - C''PSC, P^{\circ} Pj, \quad C \bar{I} PeC - \quad PiC \bar{H} PsC...PsPrC \bar{I} C, CH$
 $P \gg C - PeCrPIP^{\circ} PSPSC \bar{I} C \quad P \cdot P^{\circ} \quad PrPsPiPsPjPsPiPsC \bar{H} \quad PiC \bar{H} P_{\mu} PiP^{\circ} C \bar{H} P^{\circ} C, Cr \quad P - PsP \gg P_{\mu} CrPj, \quad PSP_{\mu}$
 $C \bar{I} P \gg C - Pr \quad PsPrPSPsC \ddagger P^{\circ} C \bar{I} PSPs \quad PiC \bar{H} P \ddot{e} P_{\mu} PjP^{\circ} C, P \ddot{e} \quad C, P^{\circ} PeC - \quad PiC \bar{H} P_{\mu} PiP^{\circ} C \bar{H} P^{\circ} C, P \ddot{e} \quad P^{\circ} P \pm Ps$
 $P \pm CrPrCH - C \bar{I} PeC - \quad C - PSC \epsilon C - \quad P \pm C - C \bar{I} C,, PsC \bar{I} C,, PsPSP^{\circ} C, P \ddot{e}, \quad PsC \bar{I} PeC - P \gg CHPeP \ddot{e}$
 $C \bar{I} CrPeCrPiPSP \ddot{e} P_{\mu} \quad PIPiP \gg P \ddot{e} PI \quad C \ddagger P \ddot{e} C... \quad C \bar{H} P_{\mu} C \ddagger PsPIP \ddot{e} PS \quad PSP_{\mu} PIC - PrPsPjP \ddot{e} P_{\mu}.$

$P''PsPiPsPjC - P \nparallel PSC - \quad C \bar{H} P_{\mu} C \ddagger PsPIP \ddot{e} PSP \ddot{e}$

$PjP_{\mu} P_{\mu} \quad P \gg C - PeP^{\circ} C \bar{H} C \bar{I} C \bar{H} PeP \ddot{e} P_{\mu} \quad P \cdot P^{\circ} C \bar{I} C - P \pm \quad PjC - C \bar{I} C, P \ddot{e} C, CH \quad PjP_{\mu} PSC \epsilon P_{\mu} \quad 1$
 $PjPjPsP \gg CH \quad (23 \quad PjPi)/PrPsP \cdot Cr \quad PSP^{\circ} C, C \bar{H} C - C \bar{H}, \quad C, PsP \pm C, Ps \quad PiC \bar{H} P^{\circ} PeC, P \ddot{e} C \ddagger PSPs$
 $PIC - P \gg CHPSP \ddot{e} P_{\mu} \quad PIC - Pr \quad PSP^{\circ} C, C \bar{H} C - C \bar{H}.$

$P - P^{\circ} C \bar{I} C, PsC \bar{I} C \ddagger PIP^{\circ} PSPSC \bar{I} C \quad C \ddagger \quad PiP_{\mu} C \bar{H} C - PsPr \quad PIP^{\circ} PiC - C, PSPsC \bar{I} C, C - \quad P^{\circ} P \pm Ps$
 $PiPsPrC \ddagger PIP^{\circ} PSPSC \bar{I} C \quad PiC \bar{H} C \ddagger PrPrC \bar{H}.$

$P'P^{\circ} PiC - C, PSC - C \bar{I} C, CH$

$P - PsP \gg P_{\mu} CrPj \quad PiC \bar{H} PsC, P \ddot{e} PiPsPeP^{\circ} P \cdot P^{\circ} PSP \ddot{e} P_{\mu} \quad Cr \quad PiP_{\mu} C \bar{H} C - PsPr \quad PIP^{\circ} PiC - C, PSPsC \bar{I} C, C -.$
 $P''P^{\circ} PSC - \quad C \% PsPrPs \quad P \cdot P^{\circ} C \bar{I} C, PsC \bar{I} CrPIP^{\circ} PSPSC \bar{I} C \quad P \cdot PsP \gg P_{\mu} PrC \bar{H} PsPSPsPIPsC - \quad PeP \ddot{e} C \bar{I} P \gg PsC, P \ddot{e}$
 $PrP \gg C \bar{I} C \quad P \gg C - PeCrPIP^{\circ} PSPSC \bar{I} C \quad PIP^{\circ} PiC - C, PSP \ddot{e} C... \quad P \nparallel C - PSPsPe \quad PIC - PrC \bar{I} CrC, PSC -.$
 $P''PsC \bar{I} P \gg C - PrP \nparallel P_{\mu} PSPSC \bar{I} C \quad PSP^{\circ} \quad C, PIP^{\circ} C \bar{H} P \ddot{e} PSP^{\circ} C... \quad PiC \bar{H} PsPrP_{\mu} PjPsPSC \bar{I} C, C \bar{H} CrPIP^{\circ} P \gg P \ddot{e}$
 $C, PsPeC \bar{I} P \ddot{e} C \ddagger PSP \ddot{e} P_{\mu} \quad PIPiP \gg P \ddot{e} PI \quad PiC \bar{H} P_{\mu} PiP^{\circ} C \bar{H} P^{\circ} C, Cr \quad PSP^{\circ} \quad C \bar{H} P_{\mu} PiC \bar{H} PsPrCrPeC, P \ddot{e} PIPSCr$
 $C,, CrPSPeC \ddagger C - C \bar{H}, \quad PIPeP \gg C \bar{H} C \ddagger P^{\circ} C \bar{H} C \ddagger P \ddot{e} \quad PIP^{\circ} PrP \ddot{e} \quad C \bar{H} PsP \cdot PIP \ddot{e} C, PeCr.$
 $P_{\mu} PsC, P_{\mu} PSC \ddagger C - P_{\mu} PSP \ddot{e} P_{\mu} \quad C \bar{H} P \ddot{e} P \cdot P \ddot{e} Pe \quad PrP \gg C \bar{I} C \quad P \gg CHPrP \ddot{e} PSP \ddot{e} \quad PSP_{\mu} PIC - PrPsPjP \ddot{e} P_{\mu}.$

$P''PsPrCrPIP^{\circ} PSPSC \bar{I} C \quad PiC \bar{H} CrPrPrC \bar{H}$

$PkP_{\mu} PIC - PrPsPjPs, \quad C \ddagger P \ddot{e} \quad P_{\mu} PeC \bar{I} PeC \bar{H} P_{\mu} C, CrC''C, CHC \bar{I} C \bar{I} C \quad P \cdot PsP \gg P_{\mu} PrC \bar{H} PsPSPsPIP^{\circ}$
 $PeP \ddot{e} C \bar{I} P \gg PsC, P^{\circ} \quad Cr \quad PiC \bar{H} CrPrPSP_{\mu} \quad PjPsP \gg PsPePs \quad P \gg CHPrP \ddot{e} PSP \ddot{e}. \quad P - PsP \gg P_{\mu} CrPj$
 $PiC \bar{H} PsC, P \ddot{e} PiPsPeP^{\circ} P \cdot P^{\circ} PSP \ddot{e} P_{\mu} \quad Cr \quad PiP_{\mu} C \bar{H} C - PsPr \quad PiPsPrCrPIP^{\circ} PSPSC \bar{I} C \quad PiC \bar{H} CrPrPrC \bar{H}.$

$P - C - PSPeP \ddot{e} \quad C \bar{H} P_{\mu} PiC \bar{H} PsPrCrPeC, P \ddot{e} PIPSPsPiPs \quad PIC - PeCr$

$P - PsP \gg P_{\mu} CrPj \quad PSP_{\mu} \quad C \bar{H} P_{\mu} PePsPjP_{\mu} PSPrCrC''C, CHC \bar{I} C \bar{I} C \quad PrP \gg C \bar{I} C \quad P \cdot P^{\circ} C \bar{I} C, PsC \bar{I} CrPIP^{\circ} PSPSC \bar{I} C$
 $P \nparallel C - PSPeP^{\circ} Pj \quad C \bar{H} P_{\mu} PiC \bar{H} PsPrCrPeC, P \ddot{e} PIPSPsPiPs \quad PIC - PeCr.$

$P \propto P_{\mu} C \bar{H} C, P \ddot{e} P \gg CHPSC - C \bar{I} C, CH.$

$P_{\mu} PsC, P_{\mu} PSC \ddagger C - P_{\mu} PSP \ddot{e} P_{\mu} \quad PSP_{\mu} P \pm P^{\circ} P \nparallel P^{\circ} PSP \ddot{e} P_{\mu} \quad PIPiP \gg P \ddot{e} PI \quad P \cdot PsP \gg P_{\mu} PrC \bar{H} PsPSPsPIPsC -$
 $PeP \ddot{e} C \bar{I} P \gg PsC, P \ddot{e} \quad PSP^{\circ} \quad C,, P_{\mu} C \bar{H} C, P \ddot{e} P \gg CHPSC - C \bar{I} C, CH \quad PIP \ddot{e} PIC \ddagger P^{\circ} P \gg P \ddot{e} \quad PSP^{\circ} \quad C \% CrC \bar{H} P^{\circ} C...$
 $P \pm P^{\circ} C, CHPeC - PIC \bar{I} CHPePsPiPs \quad C, P^{\circ} \quad F1 \quad PiPsPePsP \gg C - PSC \bar{H}. \quad Pj \quad C \bar{H} P_{\mu} P \cdot CrP \gg CHC, P^{\circ} C, C -$
 $PIP \ddot{e} C \bar{I} PIP \gg P_{\mu} PSPs \quad PSP^{\circ} PrPjC - C \bar{H} PSPs \quad PiPsC \bar{I} P \ddot{e} P \gg P_{\mu} PSP \ddot{e} P_{\mu}$
 $C,, P^{\circ} C \bar{H} PjP^{\circ} PePsP \gg PsPiC - C \ddagger PSP \ddot{e} P_{\mu} \quad P_{\mu} C,, P_{\mu} PeC,, \quad C \bar{I} PeP \ddot{e} P_{\mu} \quad C \bar{H} PsP \cdot PiP \gg C \bar{I} PrP^{\circ} C''C, CHC \bar{I} C \bar{I} C$
 $C \bar{I} Pe \quad PiPsPiB \bar{H}^{\text{TM}} \quad C \bar{I} P \cdot P^{\circ} PSP \ddot{e} P_{\mu} \quad C - P \cdot \quad PiP^{\circ} P \gg CHPjCrPIP^{\circ} PSPSC \bar{I} C \quad PjPsP \pm C - P \gg C - P \cdot P^{\circ} C \ddagger C - C -$
 $C \bar{I} PeP_{\mu} P \gg P_{\mu} C, PSPsPiPs \quad PeP^{\circ} P \gg CHC \ddagger C - C \bar{H} \quad PiC \bar{H} P_{\mu} PiP^{\circ} C \bar{H} P^{\circ} C, PsPj, \quad C \% Ps \quad P \cdot CrPjPsPIP \ddot{e} P \gg Ps$
 $C \bar{H} PsP \cdot PIP \ddot{e} C, PsPe \quad PiP_{\mu} C \bar{H} P \ddot{e} PSP^{\circ} C, P^{\circ} P \gg CHPSPsC - \quad PiC - PiPsPeP^{\circ} P \gg CHC \ddagger C - C''PjC - C -,$

$P_{\mu}P^{\circ}C^{\dagger}C-C''PSC, P^{\circ}P_j P \cdot PSP_{\mu}C^{\circ}\%PsPrP^{\circ}PIPSC-P_j PSP\ddot{P} \cdot CHPePsC, C_{\mathcal{H}}P^{\circ}PIP_jP^{\circ}C, P\ddot{C}\ddagger PSP\ddot{P}_j$
 $P\ddot{P}_{\mu}C_{\mathcal{H}}P_{\mu}P \gg PsP_jPsP_j C^{\dagger}C, P_{\mu}PiPSP^{\circ} C_{\mathcal{H}}P_{\mu}PePsP_jP_{\mu}PSPPrC^{\dagger}C''C, CHC^{\dagger}C_{\mathcal{H}} PIPIP_{\mu}PrP_{\mu}PSPSC_{\mathcal{H}}$
 $P\ddot{C}_{\mathcal{H}}P_{\mu}PiP^{\circ}C_{\mathcal{H}}P^{\circ}C, C^{\dagger}P-PsP \gg P_{\mu}C^{\dagger}P_j C \ddagger P_{\mu}C_{\mathcal{H}}P_{\mu}P \cdot PrPIP^{\circ} P^{\circ}P \pm Ps P \pm C-P \gg CHC\epsilon P_{\mu} C, P\ddot{P}P^{\dagger}PSC-PI$
 $P\ddot{C}-C^{\dagger}P \gg C_{\mathcal{H}} PsPiP_{\mu}C_{\mathcal{H}}P^{\circ}C^{\dagger}C-C- P \cdot P\ddot{C}_{\mathcal{H}}P\ddot{P}IPsPrC^{\dagger} P\ddot{P}_{\mu}C_{\mathcal{H}}P_{\mu}P \gg PsP_jC^{\dagger} C^{\dagger}C, P_{\mu}PiPSP^{\circ}.$
 $P_{\mu}P^{\circ}C^{\dagger}C-C''PSC, P^{\circ}P_j P \cdot PSP_{\mu}C^{\circ}\%PsPrP^{\circ}PIPSC-P_j PSP\ddot{P} \cdot CHPePsC, C_{\mathcal{H}}P^{\circ}PIP_jP^{\circ}C, P\ddot{C}\ddagger PSP\ddot{P}_j$
 $P\ddot{P}_{\mu}C_{\mathcal{H}}P_{\mu}P \gg PsP_jPsP_j C^{\dagger}C, P_{\mu}PiPSP^{\circ} P\ddot{P}_{\mu}C_{\mathcal{H}}P_{\mu}Pr P\ddot{P}_{\mu}C_{\mathcal{H}}C\epsilon P\ddot{P}_j PIPIP_{\mu}PrP_{\mu}PSPSC_{\mathcal{H}}P_j$
 $P\ddot{C}_{\mathcal{H}}P_{\mu}PiP^{\circ}C_{\mathcal{H}}P^{\circ}C, C^{\dagger}P-PsP \gg P_{\mu}C^{\dagger}P_j C_{\mathcal{H}}P_{\mu}PePsP_jP_{\mu}PSPPrC^{\dagger}C''C, CHC^{\dagger}C_{\mathcal{H}}$
 $P \cdot P^{\circ}C^{\dagger}C, PsC^{\dagger}C^{\dagger}PIP^{\circ}PSPSC_{\mathcal{H}} PIC-C, P^{\circ}P_jC-PSC^{\dagger} D PI C^{\dagger}PrP^{\circ}C_{\mathcal{H}}PSC-PN_{\mathcal{H}} PrPsP \cdot C- PIC-Pr 50000$
 $PrPs$
 $125000 P_{\mathcal{H}}Ph P\ddot{P}_{\mu}C_{\mathcal{H}}PsC_{\mathcal{H}}P^{\circ}P \gg CHbPSPs P^{\circ}P \pm Ps PIPSC^{\dagger}C, C_{\mathcal{H}}C-C\epsilon PSCHbPsP_jb_{\mathcal{H}}^{\mathcal{TM}} C_{\mathcal{H}}P \cdot PsPIPs.$

$P\ddot{P}IPsC_{\mathcal{H}}PsP \pm P^{\circ} P_{\mu}P_{\mu}PrP^{\dagger}P_{\mu}C, P^{\circ}$

$P_{\mu}C_{\mathcal{H}}P_{\mu}PiP^{\circ}C_{\mathcal{H}}P^{\circ}C, P\ddot{C}_{\mathcal{H}}P\ddot{P} \cdot PSP^{\circ}C \ddagger P^{\circ}C_{\mathcal{H}}C, CH P \gg P\ddot{C}\epsilon P_{\mu} P \gg C-PeP^{\circ}C_{\mathcal{H}}C- P \cdot PrPsC^{\dagger}PIC-PrPsP_j$
 $P \gg C-PeC^{\dagger}PIP^{\circ}PSPSC_{\mathcal{H}} C \dots PIPsC_{\mathcal{H}}PsP \pm P\ddot{P} P_{\mu}P_{\mu}PrP^{\dagger}P_{\mu}C, P^{\circ} P \cdot C^{\dagger}C_{\mathcal{H}}P^{\circ}P^{\dagger}P_{\mu}PSPSC_{\mathcal{H}}P_j$
 $PeC-C^{\dagger}C, PsPe. P P_{\mu}PePsP_jP_{\mu}PSPPrPsPIP^{\circ}PSP^{\circ} PrPsP \cdot P^{\circ} b_{\mathcal{H}}'' PsPrPSP^{\circ}$
 $PIPSC^{\dagger}C, C_{\mathcal{H}}C-C\epsilon PSCHbPsPIP_{\mu}PSPSP^{\circ} C-PSC, C^{\dagger}P \cdot C-C_{\mathcal{H}} 5 P_jPi P-PsP \gg P_{\mu}C^{\dagger}P_jP^{\circ}. P_{\mathcal{H}}C_{\mathcal{H}}C-P_j$
 $C, PsPiPs, PiP^{\circ}C^{\dagger}C-C''PSC, P\ddot{P} P \cdot C \dots PIPsC_{\mathcal{H}}PsP \pm PsC_{\mathcal{H}} P_{\mu}P_{\mu}PrP^{\dagger}P_{\mu}C, P^{\circ} PiPsC, C_{\mathcal{H}}P_{\mu}P \pm C^{\dagger}C_{\mathcal{H}}C, CH$
 $P \cdot P^{\circ}C^{\dagger}C, PsC^{\dagger}C^{\dagger}PIP^{\circ}PSPSC_{\mathcal{H}} PeP^{\circ}P \gg CHC^{\dagger}C-C_{\mathcal{H}} PrPsPrP^{\circ}C, PePsPIPs, P\ddot{C}_{\mathcal{H}}P\ddot{P}PSP^{\circ}PN_{\mathcal{H}}P_jPSC- 500$
 $P_jPi P_{\mu}P \gg P_{\mu}P_jP_{\mu}PSC, P^{\circ}C_{\mathcal{H}}PSPsPiPs PeP^{\circ}P \gg CHC^{\dagger}C-C_{\mathcal{H}} PrPIC-C \ddagger C- PSP^{\circ} PrPsP \pm C^{\dagger}$
 $P\ddot{C}_{\mathcal{H}}PsC, C_{\mathcal{H}}PiPsP_j C^{\circ}\%PsPSP^{\circ}PN_{\mathcal{H}}P_jP_{\mu}PSC\epsilon P_{\mu} 10 PrC-P \pm P\ddot{C}-C^{\dagger}P \gg C_{\mathcal{H}} PIPIP_{\mu}PrP_{\mu}PSPSC_{\mathcal{H}}$
 $P-PsP \gg P_{\mu}C^{\dagger}P_jP^{\circ}.$

$P_{\mu}PsPIC, PsC_{\mathcal{H}}PSP_{\mu} P \gg C-PeC^{\dagger}PIP^{\circ}PSPSC_{\mathcal{H}} P\ddot{C}_{\mathcal{H}}P_{\mu}PiP^{\circ}C_{\mathcal{H}}P^{\circ}C, PsP_j C \dots PIPsC_{\mathcal{H}}PsP \pm P\ddot{P}$
 $P_{\mu}P_{\mu}PrP^{\dagger}P_{\mu}C, P^{\circ}: P\ddot{C}-C^{\dagger}P \gg C_{\mathcal{H}} P\ddot{P}PsC \ddagger P^{\circ}C, PeC^{\dagger} P \gg C-PeC^{\dagger}PIP^{\circ}PSPSC_{\mathcal{H}} C \dots PIPsC_{\mathcal{H}}PsP \pm P\ddot{P}$
 $P_{\mu}P_{\mu}PrP^{\dagger}P_{\mu}C, P^{\circ} P \cdot PsP \gg P_{\mu}PrC_{\mathcal{H}}PsPSPsPIPsC_{\mathcal{H}} PeP\ddot{C}^{\dagger}P \gg PsC, PsC_{\mathcal{H}}$
 $C^{\dagger}PiPsC^{\dagger}C, P_{\mu}C_{\mathcal{H}}C-PiP^{\circ}C''C, CHC^{\dagger}C_{\mathcal{H}} C, C_{\mathcal{H}}P\ddot{P}IP^{\circ}P \gg P\ddot{P}PN_{\mathcal{H}} P\ddot{P}_{\mu}C_{\mathcal{H}}C-PsPr C_{\mathcal{H}}P_{\mu}P_jC-C^{\dagger}C-C- C^{\dagger}$
 $P\ddot{P}^{\circ}C^{\dagger}C-C''PSC, C-PI, C_{\mathcal{H}}PeC- PIC-PrPiPsPIC-PrP^{\circ}C_{\mathcal{H}}C, CH PSP^{\circ} P \gg C-PeC^{\dagger}PIP^{\circ}PSPSC_{\mathcal{H}}.$
 $P_{\mu}PsPIC, PsC_{\mathcal{H}}PSP_{\mu} P \gg C-PeC^{\dagger}PIP^{\circ}PSPSC_{\mathcal{H}} PIPeP \gg C_{\mathcal{H}}C \ddagger P^{\circ}C'' PrPsPrP^{\circ}C, PePsPIC^{\dagger}$
 $PIPSC^{\dagger}C, C_{\mathcal{H}}C-C\epsilon PSCHbPsPIP_{\mu}PSPSC^{\dagger} C-PSC, C^{\dagger}P \cdot C-C_{\mathcal{H}} 5 P_jPi P-PsP \gg P_{\mu}C^{\dagger}P_jP^{\circ}$
 $P\ddot{P}^{\circ}C^{\dagger}C-C''PSC, P^{\circ}P_j, C_{\mathcal{H}}PeC- P_jP^{\circ}P \gg P\ddot{P} C_{\mathcal{H}}P_{\mu}C \ddagger P\ddot{P}PrP\ddot{P}PI, P \cdot C-PSC, P_{\mu}C_{\mathcal{H}}PIP^{\circ}P \gg PsP_j 1 C_{\mathcal{H}}C-Pe$
 $P^{\circ}P \pm Ps PrPsPIC\epsilon P_{\mu} P\ddot{C}-C^{\dagger}P \gg C_{\mathcal{H}} P\ddot{P}PsC \ddagger P^{\circ}C, PeC^{\dagger} P \gg C-PeC^{\dagger}PIP^{\circ}PSPSC_{\mathcal{H}}. P''P^{\circ}PSC-$
 $C^{\dagger}C, PsC^{\dagger}PsPIPs P\ddot{P}PsPIC, PsC_{\mathcal{H}}PSPsPiPs P \gg C-PeC^{\dagger}PIP^{\circ}PSPSC_{\mathcal{H}} C \dots PIPsC_{\mathcal{H}}PsP \pm P\ddot{P}$
 $P_{\mu}P_{\mu}PrP^{\dagger}P_{\mu}C, P^{\circ}B PsP \pm P_jP_{\mu}P^{\dagger}P_{\mu}PSC-.$

$P_{\mathcal{H}}C^{\dagger}PsP \pm P \gg P\ddot{P}PIC- P\ddot{C}_{\mathcal{H}}C \ddagger P\ddot{P} P\ddot{P}^{\circ}C^{\dagger}C-C''PSC, C-PI$

$P_{\mu}P^{\circ}C^{\dagger}C-C''PSC, P\ddot{P} P \cdot PSP\ddot{P}C_{\mathcal{H}}PePsPIPsC_{\mathcal{H}} PSP_{\mu}PrPsC^{\dagger}C, P^{\circ}C, PSC-C^{\dagger}C, C_{\mathcal{H}}.$
 $P_{\mu}C_{\mathcal{H}}P\ddot{P} \cdot PSP^{\circ}C \ddagger P_{\mu}PSPSC_{\mathcal{H}} P-PsP \gg P_{\mu}C^{\dagger}P_jP^{\circ} P\ddot{P}^{\circ}C^{\dagger}C-C''PSC, P^{\circ}P_j P \cdot PSP\ddot{P}C_{\mathcal{H}}PePsPIPsC_{\mathcal{H}}$
 $PSP_{\mu}PrPsC^{\dagger}C, P^{\circ}C, PSC-C^{\dagger}C, C_{\mathcal{H}} P \cdot PeP \gg C-C_{\mathcal{H}}P_{\mu}PSC^{\dagger}PsP_j PeC_{\mathcal{H}}P_{\mu}P^{\circ}C, P\ddot{P}PSC-PSC^{\dagger} < 35$
 $P_jP \gg /C \dots PI PSP_{\mu} C_{\mathcal{H}}P_{\mu}PePsP_jP_{\mu}PSPPrC^{\dagger}C''C, CHC^{\dagger}C_{\mathcal{H}}.$

$P P_{\mu}PiC^{\dagger}P \gg C_{\mathcal{H}}PIP^{\circ}PSPSC_{\mathcal{H}} PrPsP \cdot P\ddot{P} PrP \gg C_{\mathcal{H}} P\ddot{P}^{\circ}C^{\dagger}C-C''PSC, C-PI P \cdot PeP \gg C-C_{\mathcal{H}}P_{\mu}PSC^{\dagger}PsP_j$
 $PeC_{\mathcal{H}}P_{\mu}P^{\circ}C, P\ddot{P}PSC-PSC^{\dagger} \geq 35 P_jP \gg /C \dots PI PSP_{\mu} P\ddot{P}PsC, C_{\mathcal{H}}C-P \pm PSP_{\mu}.$

$P_{\mu}P^{\circ}C^{\dagger}C-C''PSC, P\ddot{P} P \cdot P\ddot{P}_{\mu}C \ddagger C-PSPePsPIPsC_{\mathcal{H}} PSP_{\mu}PrPsC^{\dagger}C, P^{\circ}C, PSC-C^{\dagger}C, C_{\mathcal{H}}.$
 $P P_{\mu}PiC^{\dagger}P \gg C_{\mathcal{H}}PIP^{\circ}PSPSC_{\mathcal{H}} PrPsP \cdot P\ddot{P} PSP_{\mu} P\ddot{P}PsC, C_{\mathcal{H}}C-P \pm PSP_{\mu}.$

$P_{\mu}P^{\circ}C^{\dagger}C-C''PSC, P\ddot{P} P \gg C-C, PSCHbPsPiPs PIC-PeC \ddagger (^3 65 C_{\mathcal{H}}PsPeC-PI). P P_{\mu}PiC^{\dagger}P \gg C_{\mathcal{H}}PIP^{\circ}PSPSC_{\mathcal{H}}$
 $PrPsP \cdot P\ddot{P} PSP_{\mu} P\ddot{P}PsC, C_{\mathcal{H}}C-P \pm PSP_{\mu}, PsC^{\dagger}PeC-P \gg CHbPeP\ddot{P} P \pm C-PsPrPsC^{\dagger}C, C^{\dagger}PiPSC-C^{\dagger}C, CH,$
 $C_{\mathcal{H}}PsP \cdot P\ddot{P}PsPrC-P \gg C- PIP\ddot{P}IP_{\mu}PrP_{\mu}PSPSC_{\mathcal{H}} P\ddot{C}_{\mathcal{H}}P_{\mu}PiP^{\circ}C_{\mathcal{H}}P^{\circ}C, C^{\dagger} C^{\dagger} P\ddot{P}^{\circ}C^{\dagger}C-C''PSC, C-PI$
 $P \gg C-C, PSCHbPsPiPs PIC-PeC^{\dagger} C- P_jPsP \gg PsPrC\epsilon P\ddot{P}C \dots P\ddot{P}^{\circ}C^{\dagger}C-C''PSC, C-PI P \pm C^{\dagger}P \gg P\ddot{P}$

PIPsPrC-P±PSPëPjPë.

P'PIPμPrPμPSPSCII P»C-PeP°CḡCÍCHPePsPiPs P·P°CÍPsP±Cž. P—PsP»PμCÍPj PIPiPsPrPëC,Pë PİPsPIC-P»CHPSPs C†PμCḡPμP· PsPeCḡPμPjCÍ C-PSC,,CÍP·C-PNëPSCÍ CÍPëCÍC,PμPjCÍ P· PIC-PrPIPμPrPμPSPSCII Pj PİPsPIC-C,CḡCII C- P· CÍCḡP°C...CÍPIP°PSPSCII Pj PİPsCÍC,C-PNëPSPsC— CëPIPëPrPePsCÍC,C- PIPiPμPrPμPSPSCII. P§P°CÍ PIPiPμPrPμPSPSCII PİCḡPμPİP°CḡP°C,CÍ PİPsPIPëPSPμPS CÍC,P°PSPsPIPëC,Pë PSPμ PjPμPSCëPμ 15 C...PIPëP»PëPS. P·CÍPrCH-CIIPePëPNë PSPμPIPëPePsCḡPëCÍC,P°PSPëPNë P·P°P»PëCëPsPe P°P±Ps PIC-PrC...PsPrPë CÍP»C-Pr CÍC,PëP»C-P·CÍPIP°C,Pë PIC-PrPİPsPIC-PrPSPs PrPs PjC-CÍC†PμPIPëC... PIPëPjPsPi. P—P°CÍC,PsCÍPsPICÍPIP°C,Pë PjPsP¶PSP° C,C-P»CHPePë PİCḡPsP·PsCḡPëPNë CḡPsP·C†PëPS, P±PμP· PIPëPrPëPjPëC... C†P°CÍC,PsPe C- P±PμP· P·PjC-PSPë PePsP»CHPsCḡCÍ.

PİPeC%Ps CḡPsP·C†PëPS PsC...PsP»PsPrP¶PμPSPëPNë, PSPμPsP±C...C-PrPSPs PrP°C,Pë PNëPsPjCÍ PrPsCÍCIIPiC,Pë PeC-PjPSP°C,PSPsC— C,PμPjPİPμCḡP°C,CÍCḡPë PİPμCḡPμPr P·P°CÍC,PsCÍCÍPIP°PSPSCII Pj. PμC-Pr C†P°CÍ PİCḡPëPiPsC,CÍPIP°PSPSCII CḡPsP·C†PëPSCÍ PrP»CII PIPSCÍC,CḡC-CëPSCḡPsPIPμPSPSPsC— C-PSC,,CÍP·C-C— PSPμPsP±C...C-PrPSPs PrPsC,CḡPëPjCÍPIP°C,PëCÍCII PİCḡP°PIPëP» P°CÍPμPİC,PëPePë.

PμCḡPμPİP°CḡP°C, P·P°CÍC,PsCÍPsPICÍPIP°C,Pë C,C-P»CHPePë PsPrPSPsCḡP°P·PsPIPs.

P— PjC-PeCḡPsP±C-PsP»PsPiC-C†PSPsC— C,PsC†PePë P·PsCḡCÍ PİCḡPμPİP°CḡP°C, PSPμPsP±C...C-PrPSPs PIPëPePsCḡPëCÍC,P°C,Pë PSPμPİP°PNëPSPs. P' C-PSCëPsPjCÍ CḡP°P·C- P·P° C†P°CÍ C- CÍPjPsPIPë P·P±PμCḡC-PİP°PSPSCII PIC-PrPİPsPIC-PrP°P»CHPSPëPNë PePsCḡPëCÍC,CÍPIP°C†, CḡPsP·C†PëPS CḡPμPePsPjPμPSPPrCÍC"C,CHCÍCII P·P±PμCḡC-PİP°C,Pë PSPμ P±C-P»CHCëPμ 24 PİPsPrPëPS PİCḡPë C,PμPjPİPμCḡP°C,CÍCḡC- 2-8 °C.

P"C-C,Pë.

PμCḡPμPİP°CḡP°C, P—PsP»PμCÍPj PSPμ CḡPμPePsPjPμPSPPrPsPIP°PSPs PİCḡPëP·PSP°C†P°C,Pë PrC-C,CII Pj C,P° PİC-PrP»C-C,PeP°Pj (PIC-PePsPj PrPs 18 CḡPsPeC-PI), PsCÍPeC-P»CHPePë PSPμPrPsCÍC,P°C,PSCHPs PrP°PSPëC... C%PsPrPs P±PμP·PİPμPePë C,P° PμC,,PμPeC,PëPIPSPsCÍC,C- P·P°CÍC,PsCÍCÍPIP°PSPSCII PİCḡPμPİP°CḡP°C,CÍ C†C-PNë PIC-PePsPIC-PNë PİCḡCÍPİC-.

PμPμCḡPμPrPsP·CžPIP°PSPSCII.

PḡP»C-PSC-C†PSPëPNë PrPsCÍPIC-Pr PİPsCÍC,CḡPsPiPs PİPμCḡPμPrPsP·CÍPIP°PSPSCII PsP±PjPμP¶PμPSPëPNë. PŸC,P°PS PİP°C†C-C"PSC,C-PI, CIIPeC- PsC,CḡPëPjP°P»Pë PrPsP·Pë, C%Ps PİPμCḡPμPIPëC%CrCḡC,CH CḡPμPePsPjPμPSPPrPsPIP°PSCÍ, PİPsC,CḡPμP±CÍC" CḡPμC,PμP»CHPSPsPiPs PjPsPSC-C,PsCḡPëPSPiCÍ. Pj CḡP°P·C- PİPμCḡPμPrPsP·CÍPIP°PSPSCII, C%Ps PİCḡPëP·PIPsPrPëC,CH PrPs PeP»C-PSC-C†PSPs P·PSP°C†CÍC%PsC— PİC-PİPsPeP°P»CHC†C-C"PjC-C—, PePsPjPİPμPSCÍP°C†C-CII CÍC,P°PSCÍ PjPsP¶Pμ P±CÍC,Pë PrPsCÍCIIPiPSCÍC,P° PrPsPrP°C,PePsPIPëPj P·P°CÍC,PsCÍCÍPIP°PSPSCII Pj PeP°P»CHC†C-Cḡ PİPμCḡPsCḡP°P»CHPSPs C,P°/P°P±Ps PIPSCÍC,CḡC-CëPSCḡPsPIPμPSPSPsCḡ C-PSC,,CÍP·C-C"Cḡ PeP°P»CHC†C-Cḡ PİP»CḡPePsPSP°C,CÍ.

PμPsP±C-C≠PSC- CḡPμP°PeC†C-C—.

P—P°PiP°P»CHbPSPëPñ PIC-PrC†PsC,PsPe PïP°C†C-C”PSC,C-PI, Cr C‡PePëC...
C†PiPsC†C,PμCḡC-PiP°P»PëC†C‡ PSpμP±P°P¶P°PSC- CḡPμP°PeC†C-C—, C†C,P°PSPsPIPëPI 44,7
%, 16,7 %

C- 10,2 % PiC-C†P»C‡ PïPμCḡCëPsPiPs, PrCḡCrPiPsPiPs C- C,CḡPμC,CHbPsPiPs
PIPIPμPrPμPSPSC‡ P·PsP»PμPrCḡPsPSPsPIPsC— PePëC†P»PsC,Pë PIC-PrPiPsPIC-PrPSPs.
P§P°C†C,PsC,P° PsPeCḡPμPjPëC... PSpμP±P°P¶P°PSPëC... CḡPμP°PeC†C-Pñ PiC-C†P»C‡
PïPμCḡCëPsPiPs PIPIPμPrPμPSPSC‡ P·PsP»PμPrCḡPsPSPsPIPsC— PePëC†P»PsC,Pë
C†C,P°PSPsPIPëP»P°: PiP°CḡC‡C≠PeP° бḡ“ 17,1 %, PjC-P°P»CHbPiC-C‡ бḡ“ 7,8 %,
PiCḡPëPiPsPiPsPrC-P±PSC- C†PëPjPiC,PsPjPë бḡ“ 6,7 %, P°CḡC,CḡP°P»PiC-C‡ бḡ“ 4,8 % C-
PiPsP»PsPIPSPëPñ P±C-P»CH бḡ“

5,1 %. P§P°C†C,PsC,P° C†PëC... CḡPμP°PeC†C-Pñ PiPsPjC-C,PSPs P·PjPμPSCëCrPiP°P»P°C†C‡ P·
PiPsPrP°P»CHbCëPëPj P·P°C†C,PsC†CrPiP°PSPSC‡Pj C%oPsCḡC-C≠PSPsC— PrPsP·Pë
P·PsP»PμPrCḡPsPSPsPIPsC— PePëC†P»PsC,Pë. P’C-P»CHbCëC-C†C,CH C†PëC...
CḡPμP°PeC†C-Pñ C†PiPsC†C,PμCḡC-PiP°P»PëC†C‡ PiCḡPsC,C‡PiPsPj PïPμCḡCëPëC...
C,CḡCHbPsC... PrPSC-PI PiC-C†P»C‡ PIPIPμPrPμPSPSC‡ P·PsP»PμPrCḡPsPSPsPIPsC—
PePëC†P»PsC,Pë, P±CrP»Pë C†P»P°P±PePëPjPë P°P±Ps PiPsPjC-CḡPSPëPjPë P·P°
PIPëCḡP°P¶PμPSC-C†C,Cḡ C- PjPëPSP°P»Pë PiCḡPsC,C‡PiPsPj C,CḡCHbPsC... PrPSC-PI. Pj
C...PsPrC- PiCḡPsPIPμPrPμPSPSC‡ PSpμPIPμP»PëPePsPiPs PrPsC†P»C-PrP¶PμPSPSC‡, PI
C‡PePsPjCr PiCḡPsC,Pë PSpμP±P°P¶P°PSPëC... CḡPμP°PeC†C-Pñ P±CrP»Ps
PiCḡPsPIPμPrPμPSPs PiCḡPsC,,C-P»P°PeC,PëPeCr, C‡Pe PsPiPëC†P°PSPs PSpëP¶C≠Pμ,
PIC-PrC†PsC,PsPe PïP°C†C-C”PSC,C-PI, Cr C‡PePëC... C†PiPsC†C,PμCḡC-PiP°P»PëC†C‡
PSpμP±P°P¶P°PSC- CḡPμP°PeC†C-C—, P±CrPI PSpëP¶C≠PëPñ (19,5 %, 10,4 %, 10,7 %
PiC-C†P»C‡ PïPμCḡCëPsPiPs, PrCḡCrPiPsPiPs C- C,CḡPμC,CHbPsPiPs PIPIPμPrPμPSPSC‡
P·PsP»PμPrCḡPsPSPsPIPsC— PePëC†P»PsC,Pë PIC-PrPiPsPIC-PrPSPs).

PkPëP¶C≠PμPSP°PIPμPrPμPSC- PiPsP±C-C≠PSC- CḡPμP°PeC†C-C—
C†PëC†C,PμPjP°C,PëP·PsPIP°PSPs PIC-PrPiPsPIC-PrPSPs PrPs PeP»P°C†C-PI C†PëC†C,PμPj
PsCḡPiP°PSC-PI P·P° MedDRA C,P° C≠P°C†C,PsC,PsCḡ: PrCrP¶Pμ PiPsCëPëCḡPμPSC- (³1/10),
PiPsCëPëCḡPμPSC- (³1/100, <1/10), PSpμPiPsCëPëCḡPμPSC- (³1/1000, <1/100), CḡC-PrPePs
PiPsCëPëCḡPμPSC- (³1/10000, <1/1000), PrCrP¶Pμ CḡC-PrPePs PiPsCëPëCḡPμPSC-
(<1/10000), C≠P°C†C,PsC,P° PSpμPIC-PrPsPjP° (PSpμ PjPsP¶PSP° PsC†C-PSPëC,Pë PSP°
PsC†PSPsPIC- PSP°C‡PIPSPëC... PrP°PSPëC...). Pj PjPμP¶P°C... PePsP¶PSPsC— PiCḡCrPiPë
C≠P°C†C,PsC,Pë PSpμP±P°P¶P°PSC- CḡPμP°PeC†C-C— PiCḡPμPrC†C,P°PIP»PμPSPs Cr
PiPsCḡC‡PrPeCr P·PjPμPSCëPμPSPSC‡ PiCḡPsC‡PIC-PI.

P†PSC,,PμPeC†C-C— C,P° C-PSPIP°P·C-C—:

PSpμPiPsCëPëCḡPμPSC- бḡ“ PiCḡPëPi, PSP°P·PsC,,P°CḡPëPSPiC-C.,.

P— P±PsPeCž PeCḡPsPIC- C,P° P»C-PjC,,P°C,PëC≠PSPsC— C†PëC†C,PμPjPë:

PSpμPiPsCëPëCḡPμPSC- бḡ“ P°PSPμPjC-C‡.

P— P±PsPeCž C-PjCžPSPSPsC— C†PëC†C,PμPjPë:

C≠P°C†C,PsC,P° PSpμPIC-PrPsPjP°** бḡ“ CḡPμP°PeC†C-C—
PiC-PïPμCḡC≠CrC,P»PëPIPsC†C,C-, PIPeP»CḡC≠P°CḡC≠Pë CḡC-PrPeC-C†PSC-
PIPëPiP°PrPePë P±CḡPsPSC...PsC†PiP°P·PjCr, PeCḡPsPiPëPiбḡ™ C‡IPSPëPë C,P°
P°PSPiC-PsPSPμPICḡPsC,PëC≠PSPsPiPs PSP°P±CḡC‡PeCr C,P° PrCrP¶Pμ

СҫС-РrРeС-СГҫСC- PIPëPïP°PṛPḗPë P°PSP°C,,C-P»P°PḗC,PëC‡PSPëC...
СҫPµP°PḗC‡C-PNₑ/CḗPṣPḗCṛ.

P— P±PṣPḗCḗ PjPµC,P°P±PṣP»C-P·PjCḗ C,P° C...P°СҫС‡CḗPIP°PSPSCЦ:

PïPṣCḗPëСҫPµPSC- **вҫ**“ PiC-PïPṣPḗP°P»CHC‡C-C”PjC-СЦ*;

PSPµPïPṣCḗPëСҫPµPSC- вҫ” P·PSPëP¶PµPSPSCЦ P°PïPµC,PëC,Cṛ,

СҫС-РrРḗPṣ PïPṣCḗPëСҫPµPSC- вҫ” PiC-PïPṣC,,PṣCГC,,P°C,PµPjC-СЦ.

PµCГPëC...C-C‡PSC- PïPṣСҫСḗCḗPµPSPSCЦ:

PSPµPïPṣCḗPëСҫPµPSC- вҫ” P±PµP·CГPṣPSPSCЦ.

P— P±PṣPḗCḗ C‡PµPSC,СҫP°P»CHṖPSPṣC— PSPµСҫPPIPṣPIPṣC— CГPëCГC,PµPjPë:

PïPṣCḗPëСҫPµPSC- вҫ” PiPṣP»PṣPIPSPëPNₑ P±C-P»CH, P·P°PïP°PjPṣСҫPṣC‡PµPSPSCЦ;

PSPµPïPṣCḗPëСҫPµPSC- вҫ” P»PµC,P°СҫPiC-СЦ, PïP°СҫPµCГC,PµP·C-СЦ,
CГPṣPSP»PëPIC-CГC,CH, C,СҫPµPjPṣСҫ, PSPµPïСҫPëC,PṣPjPSC-CГC,CH
(CГPëPSPḗPṣPïPµ), PïPṣСҫСṛCḗPµPSPSCЦ CГPjP°PḗCṛ.

P— P±PṣPḗCḗ PṣСҫPïP°PSC-PI P·PṣСҫСḗ:

PïPṣCḗPëСҫPµPSC- вҫ” PiC-PïPµСҫPµPjC-СЦ PṣC‡PµPNₑ;

PSPµPïPṣCḗPëСҫPµPSC- вҫ” PḗPṣPṣвҫ™ СҫPSPḗC,PëPIC-C,, P±C-P»CH PI PṣC‡P°C...;

СҫС-РrРḗPṣ PïPṣCḗPëСҫPµPSC- вҫ” CṛPIPµC—C,, PµPïC-CГPḗP»PµСҫPëC,,
P·P°PïP°P»PµPSPSCЦ СҫP°PNₑPṛCṛP¶PSPṣC— PṣP±PṣP»PṣPSPḗPë;

C‡P°CГC,PṣC,P° PSPµPIC-РrPṣPjP°** вҫ” CГPḗP»PµСҫPëC, C,P° P·P°PïP°P»PµPSPSCЦ
PṣPḗP°.

P— P±PṣPḗCḗ PṣСҫPïP°PSC-PI CГP»CḗC...Cḗ C,P° P»P°P±C-СҫPëPSC,Cḗ:

PSPµPïPṣCḗPëСҫPµPSC- вҫ” PIPµСҫС, PëPiPṣ.

P— P±PṣPḗCḗ CГPµСҫС‡PµPIPṣC— CГPëCГC,PµPjPë:

PïPṣCḗPëСҫPµPSC- вҫ” C,,C-P±СҫPëP»CЦC‡C-СЦ PïPµСҫPµPṛCГPµСҫPṛCH;

PSPµPïPṣCḗPëСҫPµPSC- вҫ” PïC-РrCГPëP»PµPSPµ CГPµСҫС‡PµP±PëC,C,СЦ.

P— P±PṣPḗCḗ CГCḗPṛPëPSPSPṣC— CГPëCГC,PµPjPë:

PSPµPïPṣCḗPëСҫPµPSC- вҫ” P°СҫС,PµСҫС-P°P»CHṖSP° PiC-PïPµСҫС,PµPSP·C-СЦ,
PïСҫPëPïP»PëPIPë;

C‡P°CГC,PṣC,P° PSPµPIC-РrPṣPjP°** вҫ” PiC-PïPṣC,PµPSP·C-СЦ (Cṛ PṛPµCЦPḗPëC...
PïP°C‡C-C”PSC,C-PI PSP° C,P»C- C,,P°PḗC,PṣСҫС-PI СҫPëP·PëPḗCṛ).

$P - P \pm PsPeC \acute{z} C \bar{H} P_{\mu} C \acute{I} P \acute{I} C - C \bar{H} P^{\circ} C, PsC \bar{H} P S P S P i P s C, C \bar{H} P^{\circ} P e C, C \acute{z}, PsC \bar{H} P i P^{\circ} P S C - P i C \bar{H} C \acute{z} P r P S P S C - P e P \gg C - C, P e P \ddot{e} C, P^{\circ} C \acute{I} P_{\mu} C \bar{H} P_{\mu} P r P s C \acute{I} C, C - P S P S C \bar{I} I:$

$P S P_{\mu} P \acute{I} P s C \bar{e} P \ddot{e} C \bar{H} P_{\mu} P S C -$ бҗ“ $P e P^{\circ} C \bar{e} P_{\mu} P \gg C \bar{H}, P \cdot P^{\circ} P r P \ddot{e} C \bar{e} P e P^{\circ}.$

$P - P \pm PsPeC \acute{z} C \bar{e} P \gg C \acute{z} P S P e P s P I P s - P e P \ddot{e} C \bar{e} P e P s P I P s P i P s C, C \bar{H} P^{\circ} P e C, C \acute{z}:$

$P \acute{I} P s C \bar{e} P \ddot{e} C \bar{H} P_{\mu} P S C -$ бҗ“ $P S C \acute{I} P r P s C, P^{\circ}, P \pm P \gg C \bar{H} P i P^{\circ} P S P S C \bar{I} I, P r C - P^{\circ} C \bar{H} P_{\mu} C \bar{I} I;$

$P S P_{\mu} P \acute{I} P s C \bar{e} P \ddot{e} C \bar{H} P_{\mu} P S C -$ бҗ“ $P r P \ddot{e} C \acute{I} P i P_{\mu} P \acute{I} C \acute{I} C - C \bar{I} I, P \pm C - P \gg C \bar{H} P i$
 $P_{\mu} P \acute{I} C - P i P^{\circ} C \acute{I} C, C \bar{H} C - C -, P \pm C - P \gg C \bar{H} C \acute{I} P \bar{e} P i P s C, C -,$
 $P i P^{\circ} C \acute{I} C, C \bar{H} P s P_{\mu} P \cdot P s C,, P^{\circ} P i P_{\mu} P^{\circ} P \gg C \bar{H} P S P^{\circ} C \bar{H} P_{\mu} C,, P \gg C \bar{H} P e C \acute{I} P S P^{\circ} C ... P i P s C \bar{H} P s P \pm P^{\circ},$
 $P \cdot P^{\circ} P \acute{I} P s C \bar{H}, C \acute{I} C \acute{I} C ... C - C \acute{I} C, C \bar{H} C \acute{I} C \bar{H} P s C, C -, P_{\mu} P \cdot P s C,, P^{\circ} P i C - C,, P \cdot C \acute{I} P \pm P S P \ddot{e} P N_{\bar{e}}$
 $P \pm C - P \gg C \bar{H}, P i P^{\circ} C \acute{I} C, C \bar{H} P \ddot{e} C, \#.$

$P - P \pm PsPeC \acute{z} C \bar{e} P e C - C \bar{H} P \ddot{e} C, P^{\circ} P \acute{I} C - P r C \bar{e} P e C - C \bar{H} P S P S C - C, P e P^{\circ} P S P \ddot{e} P S P \ddot{e}:$

$P S P_{\mu} P \acute{I} P s C \bar{e} P \ddot{e} C \bar{H} P_{\mu} P S C -$ бҗ“ $P i P \ddot{e} C \acute{I} P \ddot{e} P i P^{\circ} P S P S C \bar{I} I, P i C - P i P_{\mu} C \bar{H} P i C - P r C \bar{H} P s P \cdot,$
 $C \acute{I} P i P_{\mu} C \bar{H} P \pm C - P \bar{I}, P_{\mu} C \bar{H} P \ddot{e} C, P_{\mu} P j P^{\circ}.$

$P - P \pm PsPeC \acute{z} C \acute{I} P e P_{\mu} P \gg P_{\mu} C, P S P s - P j e \bar{H}^{\text{TM}} C \bar{I} I P \cdot P s P I P s C - C \acute{I} P \ddot{e} C \acute{I} C, P_{\mu} P j P \ddot{e} C, P^{\circ}$
 $C \acute{I} P i P s P \gg C \acute{z} C \bar{I} P S P S C - C, P e P^{\circ} P S P \ddot{e} P S P \ddot{e}:$

$P \acute{I} P s C \bar{e} P \ddot{e} C \bar{H} P_{\mu} P S C -$ бҗ“ $P j C - P^{\circ} P \gg P i C - C \bar{I} I, P^{\circ} C \bar{H} C, C \bar{H} P^{\circ} P \gg P i C - C \bar{I} I, P \pm C - P \gg C \bar{H} C \acute{I}$
 $P e C - C \acute{I} C, P e P^{\circ} C ..., P \pm C - P \gg C \bar{H} C \acute{I} C \acute{I} P i P \ddot{e} P S C -, P \pm C - P \gg C \bar{H} C \acute{I} P e C - P S C \dagger C - P i P e P^{\circ} C ...;$

$P S P_{\mu} P \acute{I} P s C \bar{e} P \ddot{e} C \bar{H} P_{\mu} P S C -$ бҗ“ $P \pm C - P \gg C \bar{H} C \acute{I} C \bar{e} P \ddot{e} C -, P j e \bar{H}^{\text{TM}} C \bar{I} I P \cdot P s P I P s - C \acute{I} P e P_{\mu} P \gg P_{\mu} C, P S P^{\circ}$
 $C \acute{I} P e C \acute{I} C, C - C \acute{I} C, C \bar{H}, P S P^{\circ} P \pm C \bar{H} C \bar{I} I P e P \gg C - C \acute{I} C, C \bar{H} C \acute{I} C \acute{I} P i P \gg P s P \pm C - P i, C \acute{I} P i P^{\circ} P \cdot P j P \ddot{e}$
 $P j e \bar{H}^{\text{TM}} C \bar{I} I P \cdot C - P i, P \pm C - P \gg C \bar{H} C \acute{I} P i P \gg P_{\mu} C \dagger C -, P j e \bar{H}^{\text{TM}} C \bar{I} I P \cdot P s P I P s - C \acute{I} P e P_{\mu} P \gg P_{\mu} C, P S P \ddot{e} P N_{\bar{e}} P \pm C - P \gg C \bar{H}$
 $C \acute{I} P i C \bar{H} C \acute{I} P r C \bar{I} I C ..., P j e \bar{H}^{\text{TM}} C \bar{I} I P \cdot P s P I P s - C \acute{I} P e P_{\mu} P \gg P_{\mu} C, P S P \ddot{e} P N_{\bar{e}} P \pm C - P \gg C \bar{H}, C \acute{I} P e C \acute{I} C, C - C \acute{I} C, C \bar{H}$
 $C \acute{I} C \acute{I} P i P \gg P s P \pm C - P i, P^{\circ} C \bar{H} C, C \bar{H} P \ddot{e} C,, P j e \bar{H}^{\text{TM}} C \bar{I} I P \cdot P s P I P^{\circ} C \acute{I} P \gg P^{\circ} P \pm P e C - C \acute{I} C, C \bar{H};$

$C \bar{H} C - P r P e P s P \acute{I} P s C \bar{e} P \ddot{e} C \bar{H} P_{\mu} P S C -$ бҗ“ $P^{\circ} C, P \ddot{e} P i P s P i P \ddot{e} P N_{\bar{e}} P \acute{I} C - P r P i P_{\mu} C \bar{H} C, P \gg C \bar{H} P \bar{I} P S P \ddot{e} P N_{\bar{e}} C, P^{\circ}$
 $P r C - P^{\circ} C,, C - P \cdot P^{\circ} C \bar{H} P S P \ddot{e} P N_{\bar{e}} P i P_{\mu} C \bar{H} P_{\mu} P \gg P s P j C \acute{I} C, P_{\mu} P i P S P s P I P s C - P e C - C \acute{I} C, P e P \ddot{e}^{\text{b}} \bar{H}$
 $(P S P_{\mu} P \pm P^{\circ} P \bar{I} P^{\circ} P S P^{\circ} C \bar{H} P_{\mu} P^{\circ} P e C \dagger C - C \bar{I} I P e P \gg P^{\circ} C \acute{I} C \acute{I} P \pm C - C \acute{I} C,, P s C \acute{I} C,, P s P S P^{\circ} C, C - P i);$

$P r C \acute{I} P \bar{I} P_{\mu} C \bar{H} C - P r P e P s P \acute{I} P s C \bar{e} P \ddot{e} C \bar{H} P_{\mu} P S C -$ бҗ“ $P s C \acute{I} C, P_{\mu} P s P S P_{\mu} P e C \bar{H} P s P \cdot$
 $P \cdot P s P I P S C - C \bar{e} P S C \bar{H} P s P i P s C \acute{I} P \gg C \acute{I} C ... P s P I P s P i P s P \acute{I} C \bar{H} P s C ... P s P r C \acute{I} (P S P_{\mu} C \acute{I} P i C \bar{H} P \ddot{e} C \bar{I} I C, P \gg P \ddot{e} P i C -$
 $C \bar{H} P_{\mu} P^{\circ} P e C \dagger C - C -, C, P \ddot{e} P i P s P i C - P r P \gg C \bar{I} I P \pm C - C \acute{I} C,, P s C \acute{I} C,, P s P S P^{\circ} C, C - P i);$

$C \dagger P^{\circ} C \acute{I} C, P s C, P^{\circ} P S P_{\mu} P i C - P r P s P j P^{\circ} **$ бҗ“ $P s C \acute{I} C, P_{\mu} P s P S P_{\mu} P e C \bar{H} P s P \cdot C \% P_{\mu} P \gg P_{\mu} P i P \ddot{e}.$

$P - P \pm PsPeC \acute{z} C \acute{I} P_{\mu} C \bar{I} P s C \acute{I} C, P^{\circ} C, P_{\mu} P i P s C - C \acute{I} P \ddot{e} C \acute{I} C, P_{\mu} P j P \ddot{e}:$

$P S P_{\mu} P \acute{I} P s C \bar{e} P \ddot{e} C \bar{H} P_{\mu} P S C -$ бҗ“ $P \acute{I} C - P r P i P \ddot{e} C \% P_{\mu} P S P S C \bar{I} I P e C \bar{H} P_{\mu} P^{\circ} C, P \ddot{e} P S C - P S C \acute{I} P e C \bar{H} P s P i C -,$
 $P \acute{I} P s P \gg P^{\circ} P e C - C \acute{I} C \bar{H} C - C \bar{I} I, P \acute{I} C \bar{H} P s C, P_{\mu} C - P S C \acute{I} C \bar{H} C - C \bar{I} I;$

$C \dagger P^{\circ} C \acute{I} C, P s C, P^{\circ} P S P_{\mu} P i C - P r P s P j P^{\circ} **$ бҗ“ $P \acute{I} P s C \bar{H} C \acute{I} C \bar{e} P_{\mu} P S P S C \bar{I} I C,, C \acute{I} P S P e C \dagger C - C -$
 $P S P \ddot{e} C \bar{H} P s P e. P C - P r P e C - C \acute{I} P S C - P i P \ddot{e} P i P^{\circ} P r P e P \ddot{e} P S P \ddot{e} C \bar{H} P e P s P i P s C -$
 $P S P_{\mu} P r P s C \acute{I} C, P^{\circ} C, P S P s C \acute{I} C, C -, C \% P s P i P \ddot{e} P j P^{\circ} P i P^{\circ} C \bar{H} C, C \bar{H} P i P_{\mu} P j P s P r C - P^{\circ} P \gg C - P \cdot C \acute{I},$
 $C, P^{\circ} C \bar{H} C - P r P e C - C \acute{I} P S C - P \gg P_{\mu} C, P^{\circ} P \gg C \bar{H} P S C - P i P \ddot{e} P i P^{\circ} P r P e P \ddot{e}$
 $C \acute{I} P i P s C \acute{I} C, P_{\mu} C \bar{H} C - P i P^{\circ} P \gg P \ddot{e} C \acute{I} C \bar{I} I C \acute{I} C \acute{I} P i P^{\circ} C \dagger C - C^{\text{PSC}}, C - P i P \cdot C - C \acute{I} P S C \acute{I} C \bar{H} C \dagger P s C \bar{H}$

PSPëCĤPePsPIPsCĤ PrPëCĤC,,CřPSPeC†C-C”CĤ P°P±Ps C-PSC€PëPjPë
C,,P°PeC,PsCĤP°PjPë CĤPëP·PëPeCř, C,P°PePëPjPë CĤPe P»C-C,PSC-PNë PIC-Pe,
PsPrPSPsC†P°CĤPSPµ P·P°CĤC,PsCĤCřPIP°PSPSCĤ PSPµC,,CĤPsC,PsPeCĤPëC†PSPëC...
PĤCĤPµPĤP°CĤP°C,C-PI, PsPrPSPsC†P°CĤPSP° PrC-CřCĤPµC,PëC†PSP° C,PµCĤP°PĤC-CĤ
P°P±Ps PrPµPiC-PrCĤP°C,P°C†C-CĤ Cř PĤPsCĤC,C-PSC,,CřP·C-PNëPSPsPjCř
PĤPµCĤC-PsPrC-.

P>P°P±PsCĤP°C,PsCĤPSC- PĤPsPeP°P·PSPëPePë:

PĤPsC€PëCĤPµPSC- бĤ“ PĤC-PrPIPëC%oPµPSPSCĤ CĤC-PIPSCĤ PŸ-CĤPµP°PeC,PëPIPSPsPiPs
PĤCĤPsC,PµC—PSCř;

PSPµPĤPsC€PëCĤPµPSC- бĤ“ P·PSPëP¶PµPSPSCĤ CĤC-PIPSCĤ PeP°P»CHC†C-CĤ PeCĤPsPIC-.

*P—P°PiP°P»CHbPSC- PĤPsCĤCžC€PµPSPSCĤ C,P° PĤPsCĤCžC€PµPSPSCĤ, PĤPsPIbĤ™ CĤP·P°PSC-
P·C- CĤPĤPsCĤPsP±PsPj PĤIPµPrPµPSPSCĤ:*

PrCřP¶Pµ PĤPsC€PëCĤPµPSC- бĤ“ PĤP°CĤCĤC†PeP°;

PĤPsC€PëCĤPµPSC- бĤ“ PĤCĤPëPĤPsPĤPsPrC-P±PSC- CĤPëPjPĤC,PsPjPë, PsP·PSPsP±,
CĤC,PsPjP»CHPIP°PSC-CĤC,CHb, P°CĤC,PµPSC-CĤ, P±C-P»CHb, PSPµP·PrCřP¶P°PSPSCĤ,
CĤPµP°PeC†C-CĤ Cř PjC-CĤC†C- PĤIPµPrPµPSPSCĤ;

PSPµPĤPsC€PëCĤPµPSC- бĤ“ PĤPµCĤPëC,,PµCĤPëC†PSPëPNë PSP°P±CĤCĤPe, CĤPĤP°PiP°,
PĤPsCĤC,CĤPsC,,P°P·PsPIP° CĤPµP°PeC†C-CĤ, P±C-P»CHb Cř PĤCĤCřPrCĤC...
PSPµCĤPµCĤC†PµPIPsPiPs PĤPsC...PsPrP¶PµPSPSCĤ;

C†P°CĤC,PsC,P° PSPµPIC-PrPsPjP°** бĤ“ PIC,PsCĤPëPSPSP° PrPµPiC-PrCĤP°C,P°C†C-CĤ
PsCĤPiP°PSC-P·PjCř, PĤPsPIbĤ™ CĤP·P°PSP° P· C,P°PePëPjPë CĤPëPjPĤC,PsPjP°PjPë
CĤPe PĤP°CĤCĤC†PeP°, P±P»CHPIP°PSPSCĤ C,P° PrC-P°CĤPµCĤ, C%oPs
CĤPsP·PIPëPIP°CĤC,CHbCĤCĤ PĤC-CĤP»CĤ PĤIPµPrPµPSPSCĤ PĤCĤPµPĤP°CĤP°C,Cř.

PŸPĤPsCĤC,PµCĤC-PiP°P»PëCĤCĤ Cř PĤP°C†C-C”PSC,C-PI, CĤPeC- PsPrPSPsC†P°CĤPSPs
PĤCĤPëPNëPjP°P»Pë PiP»CHPePsPePsCĤC,PëPePsCĤC,PµCĤPsC—PrPë.

* PµPsC€PëCĤPµPSC- C,C-P»CHbPePë PĤCĤPë C...PIPsCĤPsP±C- PµPµPrP¶PµC,P°.

** PĤP° PsCĤPSPsPIC- PĤPsCĤC,PjP°CĤPePµC,PëPSPiPsPIPëC... P·PIC-C,C-PI. PŸP°CĤC,PsC,P°
PSPµ PjPsP¶Pµ P±CřC,Pë PsC†C-PSPµPSP° PSP° PsCĤPSPsPIC- PSP°CĤPIPSPëC... PrP°PSPëC....

бĤ P’PëCĤPIP»PµPSC- Cř PĤPsCĤC,PjP°CĤPePµC,PëPSPiPsPIPëPNë PĤPµCĤC-PsPr.

PᄁC-P±CĤPëP»CĤC†C-CĤ PĤPµCĤPµPrCĤPµCĤPrCHb

PµC-Pr C†P°CĤ PrPsCĤP»C-PrP¶PµPSPSCĤ HORIZON бĤ“ P±P°P·PsPIPsPiPs
PeP»C-PSC-C†PSPsPiPs PrPsCĤP»C-PrP¶PµPSPSCĤ PĤPµCĤPµP»PsPjC-PI (Pivotal Fracture Trial
[PFT]) P·P°PiP°P»CHbPSP° C†P°CĤC,PsC,P° C,,C-P±CĤPëP»CĤC†C-C— PĤPµCĤPµPrCĤPµCĤPrCHb
CĤC,P°PSPsPIPëP»P° 2,5 % (96 P· 3862 PĤP°C†C-C”PSC,C-PI) Cř PĤCĤCřPĤC-
P·PsP»PµPrCĤPsPSPsPIPsC— PePëCĤP»PsC,PëB PĤPsCĤC-PIPSCĤPSPs P· 1,9 % (75 P· 3852
PĤP°C†C-C”PSC,C-PI) Cř PĤCĤCřPĤC- PĤP»P°C†PµP±Ps. PŸP°CĤC,PsC,P°
C,,C-P±CĤPëP»CĤC†C-C— PĤPµCĤPµPrCĤPµCĤPrCHb CĤPe CĤPµCĤPNëPsP·PSPsC—

PīPsP±C-C±PSPsC— CḡPμP°PeC†C-C— P·CḡPsCḡP»P° C,P° CḡC,P°PSPsPIPēP»P° 1,3 % (51 P· 3862) Cḡ PīP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPēPjCḡPIP°P»Pē P·PsP»PμPrCḡPsPSPsPICḡ PePēCḡP»PsC,Cḡ, PīPsCḡC-PIPSCḡPSPs P· 0,6 % (22 P· 3852) Cḡ PīP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPēPjCḡPIP°P»Pē PīP»P°C†PμP±Ps. PḡPμC...P°PSC-P·Pj, C%Ps CḡPīCḡPēC±PēPSCḡC” PīC-PrPIPēC%PμPSPSCḡ C±P°CḡC,PsC,Pē C,,C-P±CḡPēP»CḡC†C-C— PīPμCḡPμPrCḡPμCḡPrCḡ, PSPμPIC-PrPsPjPēPḡ. Pj PrPsCḡP»C-PrPḡPμPSPSCḡC... PsCḡC,PμPsPīPsCḡPsP·Cḡ (PFT, HORIZON Bḡ” PeP»C-PSC-C±PSPμ PrPsCḡP»C-PrPḡPμPSPSCḡ PīPsPIC,PsCḡPSPsPīPs PīPμCḡPμP»PsPjCḡ [RFT]) P·P°PīP°P»CḡPSP° C±P°CḡC,PsC,P° C,,C-P±CḡPēP»CḡC†C-Pḡ PīPμCḡPμPrCḡPμCḡPrCḡ P±CḡP»P° PīPsCḡC-PIPSCḡPSPsCḡ Cḡ PīCḡCḡPīC- P·PsP»PμPrCḡPsPSPsPIPSC— PePēCḡP»PsC,Pē (2,6 %) C,P° PīCḡCḡPīC- PīP»P°C†PμP±Ps (2,1 %). PḡP°CḡC,PsC,P° C,,C-P±CḡPēP»CḡC†C-C— PīPμCḡPμPrCḡPμCḡPrCḡ CḡPe CḡPμCḡPḡPsP·PSPSC— PīPsP±C-C±PSPsC— CḡPμP°PeC†C-C— CḡC,P°PSPsPIPēP»P° 1,3 % Cḡ PīP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPēPjCḡPIP°P»Pē P·PsP»PμPrCḡPsPSPsPICḡ PePēCḡP»PsC,Cḡ, PīPsCḡC-PIPSCḡPSPs P· 0,8 % Cḡ PīP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPēPjCḡPIP°P»Pē PīP»P°C†PμP±Ps.

P·C,,PμPeC,Pē PeP»P°CḡCḡ PīCḡPμPīP°CḡP°C,C-PI.

PμPsCḡCḡCḡPμPSPSCḡ C,,CḡPSPeC†C-C— PSPēCḡPsPe.

PμCḡPē PīPμPrPμPSPSC- P·PsP»PμPrCḡPsPSPsPIPSC— PePēCḡP»PsC,Pē CḡPīPsCḡC,PμCḡC-PiP°P»PēCḡCḡ PīPsP±C-C±PSC- CḡPμP°PeC†C-C—, C%Ps PīCḡPsCḡPIP»CḡP»PēCḡCḡ Cḡ PIPēPīP»CḡPrC- PīPsPīC-CḡCḡPμPSPSCḡ C,,CḡPSPeC†C-C— PSPēCḡPsPe (P·PsPeCḡPμPjP° PīC-PrPIPēC%PμPSPSCḡ CḡC-PIPSCḡ PeCḡPμP°C,PēPSC-PSCḡ CḡPēCḡPsPIP°C,PePē PeCḡPsPIC-) C- CḡC-PrPePs Bḡ” CḡPe PīPsCḡC,CḡP° PSPēCḡPePsPIP° PSPμPrPsCḡC,P°C,PSC-CḡC,Cḡ. PμPsCḡCḡCḡPμPSPSCḡ C,,CḡPSPeC†C-C— PSPēCḡPsPe CḡPīPsCḡC,PμCḡC-PiP°P»PsCḡCḡ PSP° C,P»C- P·P°CḡC,PsCḡCḡPIP°PSPSCḡ P·PsP»PμPrCḡPsPSPsPIPSC— PePēCḡP»PsC,Pē, PsCḡPsP±P»PēPIPSC Cḡ PīP°C†C-C”PSC,C-PI C-P· P·P°C...PIPSCḡCḡPIP°PSPSCḡPjPē PSPēCḡPsPe Pī P°PSP°PjPSPμP·C- P°P±Ps PrPsPrP°C,PePsPIPēPjPē C,,P°PeC,PsCḡP°PjPē CḡPēP·PēPeCḡ (C,P°PePēPjPē CḡPe P»C-C,PSC-Pḡ PIC-Pe, PsPrPSPsC±P°CḡPSP° C...C-PjC-PsC,PμCḡP°PīC-Cḡ, PsPrPSPsC±P°CḡPSPēPḡ PīCḡPēPḡPsPj PSPμC,,CḡPsC,PsPeCḡPēC±PSPēC... PīCḡPμPīP°CḡP°C,C-PI, PsPrPSPsC±P°CḡPSP° PrC-CḡCḡPμC,PēC±PSP° C,PμCḡP°PīC-Cḡ, C,CḡPḡPeP° PrPμPīC-PrCḡP°C,P°C†C-Cḡ); P±C-P»CḡCḡC-CḡC,Cḡ C,P°PePēC... PīP°C†C-C”PSC,C-PI PsC,CḡPēPjCḡPIP°P»Pē PīCḡPμPīP°CḡP°C, Cḡ PrPsP·C- 4 PjPī PePsPḡPSC- 3-4 C,PēPḡPSC-, P°P»Pμ Pī PrPμCḡPePēC... PIPēPīP°PrPeP°C... PīPsCḡCḡCḡPμPSPSCḡ C,,CḡPSPeC†C-C— PSPēCḡPsPe CḡPīPsCḡC,PμCḡC-PiP°P»PsCḡCḡ PīC-CḡP»Cḡ PsPrPSPsCḡP°P·PsPIPSC P·P°CḡC,PsCḡCḡPIP°PSPSCḡ PīCḡPμPīP°CḡP°C,Cḡ.

P—P° PrP°PSPēPjPē PeP»C-PSC-C±PSPēC... PrPsCḡP»C-PrPḡPμPSCḡ PsCḡC,PμPsPīPsCḡPsP·Cḡ, P·PjC-PSPē PeP»C-CḡPμPSCḡCḡ PeCḡPμP°C,PēPSC-PSCḡ (C%Ps PIPēPjC-CḡCḡPIP°PICḡCḡ C%PsCḡC-C±PSPs PrPs PIPμPrPμPSPSCḡ PrPsP·Pē PīCḡPμPīP°CḡP°C,Cḡ), C±P°CḡC,PsC,P° PSPēCḡPePsPIPSC— PSPμPrPsCḡC,P°C,PSPsCḡC,C- C- PīPsCḡCḡCḡPμPSPSCḡ C,,CḡPSPeC†C-C— PSPēCḡPsPe P±CḡP»Pē PīPsCḡC-PIPSCḡPSPSPēPjPē PīCḡPsC,CḡPīPsPj C,CḡCḡPsC... CḡPsPeC-PI PrP»Cḡ PīCḡCḡPīPē P·P°CḡC,PsCḡCḡPIP°PSPSCḡ P·PsP»PμPrCḡPsPSPsPIPSC— PePēCḡP»PsC,Pē C- PīCḡCḡPīPē P·P°CḡC,PsCḡCḡPIP°PSPSCḡ PīP»P°C†PμP±Ps. PḡPīPsCḡC,PμCḡC-PiP°P»PsCḡCḡ C,PēPjC±P°CḡPsPIPμ PīC-PrPIPēC%PμPSPSCḡ CḡC-PIPSCḡ PeCḡPμP°C,PēPSC-PSCḡ Pī CḡPēCḡPsPIP°C,C†C- PeCḡPsPIC- PīCḡPsC,CḡPīPsPj 10 PrPSC-PI Cḡ 1,8 % PīP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPēPjCḡPIP°P»Pē P·PsP»PμPrCḡPsPSPsPICḡ PePēCḡP»PsC,Cḡ, PīPsCḡC-PIPSCḡPSPs P· 0,8 % PīP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPēPjCḡPIP°P»Pē PīP»P°C†PμP±Ps.

P''C-PiPsPeP°P»CHC†C-C''PjC-CI.

P—P° PrP°PSPëPjPë PeP»C-PSC-C†PSPëC... PrPsC†P»C-PrP¶PµPSCH PsC†C,PµPsPiPsC†PSP·Cr,
PiC†PëP±P»PëP·PSPs Cr 0,2 % PiP°C†C-C''PSC,C-PI PiC-C†P»CII P·P°C†C,PsC†C†PIP°PSPSCII
P·PsP»PµPrC†PSPsPIPsC— PePëC†P»PsC,Pë PIC-PrP·PSP°C†P°P»PsC†CII PiPsPjC-C,PSPµ
P·PSPëP¶PµPSPSCII C†C-PIPSC-PI PeP°P»CHC†C-C† Cr C†PëC†PSPiP°C,C†C- PeC†PSPiC-
(PjPµPSCëPµ 1,87 PjPjPsP»CH/P»). P'PëPiP°PrPeC-PI C†PëPjPiC,PsPjP°C,PëC†PSPsC—
PiC-PiPsPeP°P»CHC†C-C''PjC-C— PSPµ C†PiPsC†C,PµC†C-PiP°P»PsC†CII.

PJ C...PsPrC- PrPsC†P»C-PrP¶PµPSCH C...PIPsC†PSP±Pë PµPµPrP¶PµC,P° PIPëPiP°PrPePë
C†PëPjPiC,PsPjP°C,PëC†PSPsC— PiC-PiPsPeP°P»CHC†C-C''PjC-C—
C†PiPsC†C,PµC†C-PiP°P»PëC†CII PiC†PëP±P»PëP·PSPs Cr 1 % PiP°C†C-C''PSC,C-PI; Cr
PIC†C-C... PiP°C†C-C''PSC,C-PI PIPsPSPë PjPëPSP°P»Pë.

P'PëPiP°PrPePë C,PëPjC†P°C†PsPIPsPiPs P°C†PëPjPiC,PsPjP°C,PëC†PSPsPiPs P·PSPëP¶PµPSPSCII
C†C-PIPSC-PI PeP°P»CHC†C-C† PSPëP¶C†Pµ PrC-P°PiP°P·PsPSC† PSPsC†PjPë (PjPµPSCëPµ
2,10 PjPjPsP»CH/P») C†PiPsC†C,PµC†C-PiP°P»PëC†CII Cr 2,3 % PiP°C†C-C''PSC,C-PI, CIIPeC-
PsC,C†PëPjC†PIP°P»Pë P»C-PeC†PIP°PSPSCII P·PsP»PµPrC†PSPsPIPsC† PePëC†P»PsC,PsC†
Cr C...PsPrC- PIPµP»PëPePsPiPs PeP»C-PSC-C†PSPsPiPs PrPsC†P»C-PrP¶PµPSPSCII,
PiPsC†C-PIPSCII PSPs P· 21 % PiP°C†C-C''PSC,C-PI, CIIPeC- PsC,C†PëPjC†PIP°P»Pë
P»C-PeC†PIP°PSPSCII P·PsP»PµPrC†PSPsPIPsC† PePëC†P»PsC,PsC† Cr C...PsPrC-
PrPsC†P»C-PrP¶PµPSCH C...PIPsC†PSP±Pë PµPµPrP¶PµC,P° P§P°C†C,PsC,P° PIPëPiP°PrPeC-PI
PiC-PiPsPeP°P»CHC†C-C''PjC-C— P±CrP»P° P·PSP°C†PSPs PSPëP¶C†PsC† PiC-C†P»CII
PiPsPrP°P»CHCëPsPiPs PIPiPµPrPµPSPSCII PiC†PµPiP°C†P°C,C†.

PJ C...PsPrC- PiC†PSPiPµPrPµPSPSCII PrPsC†P»C-PrP¶PµPSPSCII PsC†C,PµPsPiPsC†PSP·Cr PI
PiPµC†C-PsPr PiPsC†C,PjPµPSPsPiP°C†P·Pë P· PjPµC,PsC† PiC†PSPC,,C-P»P°PeC,PëPePë
PeP»C-PSC-C†PSPëC... PiPµC†PµP»PsPjC-PI PiC-C†P»CII CrC†P°C†C,C- Cr
PrPsC†P»C-PrP¶PµPSPSC- PiPµC†PµP»PsPjC-PI C†C,PµPiPSP° C,P°
PrPsC†P»C-PrP¶PµPSPSCII C... C...PIPsC†PSP±Pë PµPµPrP¶PµC,P° PIC†C- PiP°C†C-C''PSC,Pë
PsC,C†PëPjC†PIP°P»Pë PIC-PrPiPsPIC-PrPSC- PrPsP±P°PIPePë PIC-C,P°PjC-PSC† D C-
PeP°P»CHC†C-C†. PJ PrPsC†P»C-PrP¶PµPSPSC- C°PsPrPs PiC†PSPC,,C-P»P°PeC,PëPePë
PeP»C-PSC-C†PSPëC... PiPµC†PµP»PsPjC-PI PiC-C†P»CII PSPµPrP°PIPSCHPsPiPs
PiPµC†PµP»PsPjC† C†C,PµPiPSP° C†C-PIPSC- PIC-C,P°PjC-PSC† D P·P°P·PIPëC†P°P№ PSPµ
PIPëPjC-C†C†PIP°P»PëC†CII, P°P»Pµ P±C-P»CHCëC-C†C,CH PiP°C†C-C''PSC,C-PI
PsC,C†PëPjP°P»P° CrPrP°C†PSC† PrPsP·Cr PIC-C,P°PjC-PSC† D PrPs
P·P°C†C,PsC†C†PIP°PSPSCII P·PsP»PµPrC†PSPsPIPsC— PePëC†P»PsC,Pë.

PµC-C†C†PµPIC- C†PµP°PeC†C-C—. PJ C...PsPrC- PIPµP»PëPePsPiPs
PeP»C-PSC-C†PSPsPiPs PrPsC†P»C-PrP¶PµPSPSCII PiPsPIC-PrPsPjP»CII P»PsC†CII
PiC†PSPs PjC-C†C†PµPIC- C†PµP°PeC†C-C— Cr PjC-C†C†C- C-PSC,,CrP·C-C— (0,7 %):
PiPsC†PµC†PIPSPSC-PSPSCII, PiC†PëPiC†C...P»C-C†C,CH C,P°/P°P±Ps P±C-P»CH
PiC-C†P»CII PIPiPµPrPµPSPSCII P·PsP»PµPrC†PSPsPIPsC— PePëC†P»PsC,Pë.

PkC†C,PµPsPSPµPeC†PSP· C°PµP»PµPiPë. P'PëPiP°PrPePë C†PSP·PIPëC,PeC† PSPµPeC†PSP·Cr
C°PµP»PµPiPë C†PiPsC†C,PµC†C-PiP°P»PëC†CII PiPµC†PµPIP°P¶PSPs Cr C...PIPsC†PëC...
PSP° C†P°Pe, CIIPeC- PiC†PëPµPjP°P»Pë PiC†PµPiP°C†P°C,Pë, C°Ps C-PSPiC-P±CrC†C,CH
C†PµP·PsC†P±C†C-C† PeC-C†C,PsPe, PIPeP»C†C†P°C†C†Pë P·PsP»PµPrC†PSPsPIC†
PePëC†P»PsC,C†.

PJ PIPµP»PëPePsPjC† PeP»C-PSC-C†PSPsPjC† PrPsC†P»C-PrP¶PµPSPSC- P· CrC†P°C†C,C† 7 736

ПіР°С†С-С"РSC,С-PI С†ПіРsС†С,РμСґС-ПіР°PIC†Сґ С,С-Р»СґРeРe 1 PIPeПіР°PrPsPe
СґPsP·PIPeC,PeC† PsC†С,РμPsPSPμPeСґPsP·C† C%PμP»РμPіPе C† ПіР°С†С-С"РSC,Р°,
CґPePsPjC† PIPsPrPеP»Pе P·PsP»РμPrСґPsPSPsPIC† PePеC†P»PsC,C†, С- 1 PIPeПіР°PrPsPe C†
ПіР°С†С-С"РSC,Р°, CґPePеPμ P·Р°C†С,PsC†PsPIC†PIР°PI ПіP»Р°С†РμP±Ps.
РμPsPIC-PrPsPjP»РμPSPSCґ ПіСґPs PIPeПіР°PrPePе PsC†С,РμPsPSPμPeСґPsP·C†
C%PμP»РμPіPе PSP°PrC-PMeCєP»Pе C† ПіPsC†С,PjP°СґPePμC,PePSPiPsPIPsPjC†
PіPμСґС-PsPrC- P·Р°C†С,PsC†C†PIР°PSPSCґ P·PsP»РμPrСґPsPSPsPIPsC— PePеC†P»PsC,Pе.

РμPsPIC-PrPsPjP»РμPSPSCґ ПіСґPsB ПіPsP±C-С±PSC- СґРμP°PeC†С-С—

РμPsPIC-PrPsPjP»РμPSPSCґ ПіСґPs ПіPsP±C-С±PSC- СґРμP°PeC†С-С— ПіC-С†P»Cґ
СґРμC"С†С,СґP°С†С-С— P»C-PeP°СґC†СґPePsPiPs P·Р°C†PsP±C† PjP°С" PIP°P¶P»PеPIРμ
P·PSP°С±РμPSPSCґ. PіPμ PrP°С" P·PjPsPiC† ПіСґPsPIPsPrPеC,Pе PjPsPSC-С,PsСґPеPSPi
C†PіC-PIPIC-PrPSPsCєPμPSPSCґ PePsСґPеC†С,Сґ/СґPеP·PеPe ПіСґPе
P·Р°C†С,PsC†C†PIР°PSPSC- C†СґPsPiPs P»C-PeP°СґC†СґPePsPiPs P·Р°C†PsP±C†.
РґРμPrPеC±PSPеPj C,Р° C,,P°СґPjP°С†РμPIC,PeC±PSPеPj ПіСґP°С†С-PIPSPеPeP°Pj, P°
C,Р°PePsP¶ ПіР°С†С-С"РSC,Р°Pj P°P±Ps C—C... P·Р°PePsPSPSPеPj ПіСґРμPrC†С,Р°PIPSPеPeP°Pj
C†P»C-Pr ПіPsPIC-PrPsPjP»CґC,Pе ПіСґPs C†C†С- PIPeПіР°PrPePе ПіC-PrPsP·СґСґPIР°PSPеC...
ПіPsP±C-С±PSPеC... СґРμP°PeC†С-PMe C,Р° PIC-PrC†C†С,PSPsC†С,С-
РμC,,РμPeC,PePIPSPsC†С,С- P»C-PeP°СґC†СґPePsPiPs P·Р°C†PsP±C† C±РμСґРμP·
PґPIC,PsPjP°С,PеP·PsPIР°PSC† C-PSC,,PsСґPjP°С†С-PMePSC† C†PеC†С,РμPjC† P·
C,,P°СґPjP°PePsPSP°PiP»CґPrC† P·Р° ПіPsC†PеP»P°PSPSCґPj: <https://aisf.dec.gov.ua>.

РґРμСґPjC-PS ПіСґPеPrP°C,PSPsC†С,С-. 2 СґPsPePе.

PJPjPsPIPе P·P±РμСґС-ПіР°PSPSCґ.

P—P±РμСґС-ПіР°C,Pе PI PsСґPеPiC-PSP°P»СґPSC-PMe C†ПіР°PePsPIC†С- ПіСґPе
C,РμPjPіPμСґP°C,C†СґС- PSPμ PIPeC%Pμ 25 B°Pґ.

P—P±РμСґС-ПіР°C,Pе PI PSPμPrPsC†С,C†ПіPSPsPjC† PrP»Cґ PrC-С,РμPMe PjC-С†С†С-.

РќРμC†СґPjC-С†PSC-С†С,Сґ. P PsP·C±PеPS PrP»Cґ C-PSC,,C†P·C-PMe P—PsP»РμC†Pj PSPμ
PjPsP¶PSP° P·PjC-CєC†PIР°C,Pе P· СґPsP·C±PеPSP°PjPе, CґPeC- PjC-С†С,CґC,Сґ
PeP°P»СґC†С-PMe. P—PsP»РμC†Pj PSPμ С†P»C-Pr P·PjC-CєC†PIР°C,Pе P°P±Ps PIPsPrPеC,Pе
PIPSC†С,СґС-CєPSCґPsPIРμPSPSPs P· C-PSCєPеPjPе P»C-PeP°СґC†СґPePеPjPе
P·Р°C†PsP±P°PjPе.

PJPіР°PePsPIPeP°. РμPs 100 PjP» ПіСґРμPіР°СґP°C,C†B PI PePsPSC,РμPMePSPμСґP°C.... РμPs 1
PePsPSC,РμPMePSPμСґC† PI ПіP»C-PIC†С- PI PePsСґPsP±C†С-.

РљР°C,РµРiРsСҖC-СҖ РlC-РrРiCfCfPeCf. Р—Р° СҖРµC†РµРiC,РsРj.

Р'РёСҖРsР±PSPёРё. Р„РlСҖРsР»Р°Р№C„ РГРµР»C,РёРµРµР°СҖ РҖРlC,. Р>C,Рr.

РҖC-СfC†РµР•PSP°C...РsРrР¶РµPSPSCҖ РlРёСҖРsР±PSPёРёР° C,Р° Р°РrСҖРµCfР° РjC-СfC†CҖ РiСҖРsРlР°РrР¶РµPSPSCҖ Р№РsРiРs РrC-СҖР»СҖPSPsCfC,C-.

РГР°CёСҖР° В,- 520, Р'С...Р°РiРlР°PSPiCfCҖ, Р СfСҖРёC-, РГР°СҖC-РrРlР°СҖ, РjC,C,Р°СҖР°РёC...Р°PSPr, Р†PSPrC-СҖ.

Р—Р°СҖРlРlPSPёРё. РҖPSP°PSC,Р° РҖРµРµРrC-РёРµРµР°СҖ Р>C,Рr.

РҖC-СfC†РµР•PSP°C...РsРrР¶РµPSPSCҖ Р•Р°СҖРlРlPSPёРёР°.

РҮСҖСҖСҖC, 1, 2 РҮC,РµР№CёPS РҖРsСҖC,, Р†РjРiРµCҖC-Р°Р» Р'Р°СҖC,,, РҮР°СfPSPjРµРr Р РsР°Рr, Р«СfР»C...Р°Рj, Р>РsPSPrРsPS, Р'РµР»»РёРёР° Р'СҖРёC,Р°PSC-СҖ.