

Р†РќРЎРЎР РЈРЉР|Р†РЇ

**PrP»CŮ PjPµPrPëC‡PSPsPiPs P•P°CÍC,PsCÍCrPIP°PSPSCŮ P»C-PeP°CŤCÍCHPePsPiPs
P•P°CÍPsP±Cr**

$$\mathbf{P} \triangleright \mathbf{P} \dagger \mathbf{P} \sqcup \mathbf{P} \hbar \mathbf{P}' \mathbf{P} \hbar \mathbf{P} \acute{\mathbf{K}}$$

(LIPOBON)

$P\check{Y}P\epsilon P\gg P^{\circ}P\Gamma$:

$$PrC-C\bar{h}C\#P^{\circ} \ C\bar{h}P_{\mu}C\#PsPIP\ddot{e}PSP^{\circ}: P_{\mu}P\cdot P_{\mu}C, P\ddot{e}P_jC-P_{\pm};$$

1 C,P°P±P»PµC,PεP° PjC-CΓC,PëC,CH PµP·PµC,PëPjC-P±CΓ 10 PjPi;

PrPsPiPsPjC-P¶PSC- C¶PµC¶PsPIPëPSPë: C†PµP»C¶P»PsP·P°
PjC-PeC¶PsPeC¶PëC¶C,P°P»C-C¶PSP°, PjP°PSC-C,PSP», PSP°C,C¶C-C¶
PeC¶PsC¶PeP°C¶PjPµP»PsP·P°, PiC-PrC¶PsPeC¶PëPiC¶PsPiC-P»C†PµP»C¶P»PsP·P°
PSPëP·C¶PePsP·P°PjC-C°PµPSP°, PiPsPIC-PrPsPS-P¶25, PSP°C,C¶C-C¶
P»P°C¶C¶PëP»C¶C¶P»C¶C,,P°C,, PjP°PiPSC-C¶ C¶C,PµP°C¶P°C,.

[illegible]

PhCÍPSPsPIPsC- C,,C-P·PëPePs-C...C-PjC-C#PSC- PIP»P°CÍ'C,PëPIPsCÍ'C,C-: P±C-P»PsPiPs P°P±Ps PjP°PNëP¶Pµ P±C-P»PsPiPs PePsP»CHbPsC¶CÍ PíC¶PsPrPsPIPiCÍPIP°C,C- C,P°P±P»PµC,PëPë P· PePsPrPsPj B«E 611B» P· PsPrPSPsPiPs P±PsPeCÍ C,P° P±PµP· P¶PsPrPSPëC... PiC¶P°PIC-C¶PIP°PSC¶ P· C-PSC€PsPiPs P±PsPeCÍ.

P_αP°C₇P_jP°PePsC,P_μC₇P°P_iP_μPIC,PëC±PSP° PiC₇C₇P_iP°.

P†PSC€C- P»C-PİC-PrPsPjPsPrPëC,,C-PeCríCHC‡C- P·P°CÍ'PsP±Pë. РљРѕРїРµСЂРёСЂРµСЃРёСѓРµСЏ С10А Х09.

$P\alpha P^{\circ}C\bar{H}PjP^{\circ}PePsP\gg PsPiC-C\bar{z}PSC-PIP\gg P^{\circ}C\bar{I}C,P\bar{e}PIPsC\bar{I}C,C-$

$$P \propto P^\circ C \bar{h} P j P^\circ P \epsilon P s P \tau P \ddot{e} P S P^\circ P j C - P \epsilon P^\circ.$$

P_HP_uC...P^oPSC-P·P_j P_rC-C—

$P \cdot P \cdot P_{\mu}C, P\ddot{e}P_jC - P \pm B \text{ " } C \uparrow P_{\mu} \text{ } \ddot{P}iC \uparrow P_{\mu}PrC \uparrow C, P^{\circ}PIPSP\ddot{e}Pe \text{ } PSPsPIPsPiPs \text{ } PeP \gg P^{\circ}C \uparrow C \uparrow$
 $P \gg C - \ddot{P}iC - PrPsP \cdot PSP\ddot{e}P \uparrow C \uparrow PIP^{\circ}P \gg CH\ddot{P}SP\ddot{e}C \dots C \uparrow P_{\mu}C \uparrow PsPIP\ddot{e}PS, C \uparrow PeC - C \uparrow P_{\mu}P \gg P_{\mu}PeC, P\ddot{e}PIPSPs$
 $\ddot{P}iC \uparrow P\ddot{e}PiPSC - C \uparrow C \uparrow C \uparrow C, CH \text{ } C - PSC, P_{\mu}C \uparrow C, P\ddot{e}PSP^{\circ}P \gg CH\ddot{P}SC \uparrow P^{\circ}P \pm C \uparrow PsC \uparrow P \pm C \uparrow C - C \uparrow$
 $C \dots PsP \gg P_{\mu}C \uparrow C, P_{\mu}C \uparrow P\ddot{e}PSC \uparrow C, P^{\circ}PIC - Pr\ddot{P}iPsPIC - PrPSP\ddot{e}C \dots C \uparrow PsC \uparrow P \gg P\ddot{e}PSPSP\ddot{e}C \dots$
 $C \uparrow C, P_{\mu}C \uparrow PsP \gg C - PI.B \text{ } P \cdot P \cdot P_{\mu}C, P\ddot{e}P_jC - P \pm C \text{ " } \ddot{P}iP_{\mu}C \uparrow PsC \uparrow P^{\circ}P \gg CH\ddot{P}SPs \text{ } P^{\circ}PeC, P\ddot{e}PIPSP\ddot{e}P_j \text{ } C, P^{\circ}$

PjP°C" PjPμC...P°PSC-P·Pj PrC-C—, PIC-PrPjC-PSPSPëPNë PIC-Pr C-PSCëPëC... PeP»P°CÍC-PI
C...PsP»PμCÍC,PμCĤPëPSPsP·PSPëP¶CÍPIP°P»CHBPSPëC... PíCĤPμPíP°CĤP°C,C-PI
(PSP°PíCĤPëPeP»P°Pr, CÍC,P°C,PëPSC-PI, CÍPμPePIPμCÍC,CĤP°PSC,C-PI P¶PsPIC±PSPëC...
PePëCÍP»PsC, (CÍPjPsP»Pë), PePëCÍP»PsC,PSPëC... PíPsC...C-PrPSPëC... C,,C-P±CĤP°C,C-PI C,P°
CĤPsCÍP»PëPSPSPëC... CÍC,P°PSPsP»C-PI). PĥPsP»PμPeCÍP»CÍCĤPSPsCĤ PjC-CëPμPSPSCĤ
PμP·PμC,PëPjC-P±CÍ C" PíPμCĤPμPSPsCÍPSPëPe CÍC,PμCĤPsP»C-PI Niemann-Pick Cl-Like 1
(NPC1L1), C%Ps PIC-PrPíPsPIC-PrP°C" P·P° PICÍPjPsPeC,CÍPIP°PSPSCÍ
C...PsP»PμCÍC,PμCĤPëPSCÍ C,P° C,,C-C,PscÍC,PμCĤPsP»C-PI CÍ PePëCëPμC±PSPëPeCÍ.

P·P·PμC,PëPjC-P± P»PsPeP°P»C-P·CÍC"C,CHCÍCÍ PSP° C%C-C,PePsPIC-PNë CÍPjCÍP¶C†C-
C,PsPSPePsC— PePëCëPePë C- PíCĤPëPiPSC-C±CÍC" P°P±CÍPsCĤP±C†C-CĤ
C...PsP»PμCÍC,PμCĤPëPSCÍ, P·PjPμPSCëCÍCĤC±Pë PrPsCÍC,P°PIPeCÍ
C-PSC,PμCÍC,PëPSP°P»CHBPSPsPiPs C...PsP»PμCÍC,PμCĤPëPSCÍ CÍ PíPμC±C-PSPeCÍ;
CÍC,P°C,PëPSPë P·PSPëP¶CÍCĤC,CH CÍPëPSC,PμP· C...PsP»PμCÍC,PμCĤPëPSCÍ CÍ
PíPμC±C-PSC†C-, C- CĤP°P·PsPj C†C- PjPμC...P°PSC-P·PjPë P·P°P±PμP·PíPμC±CÍCĤC,CH
PrPsPrP°C,PePsPIPμ P·PSPëP¶PμPSPSCÍ C...PsP»PμCÍC,PμCĤPëPSCÍ. PμC-CÍP»CÍ
PrPIPsC,PëP¶PSPμPIPsPiPs PeP»C-PSC-C±PSPsPiPs P·P°CÍC,PscÍCÍPIP°PSPSCÍ CÍ 18
PíP°C†C-C"PSC,C-PI P· PíC-PíPμCĤC...PsP»PμCÍC,PμCĤPëPSPμPjC-C"CĤ PμP·PμC,PëPjC-P± PSP°
54 % P·PSPëP¶CÍPIP°PI P°P±CÍPsCĤP±C†C-CĤ C...PsP»PμCÍC,PμCĤPëPSCÍ
PíPsCĤC-PIPsCÍPsPs P· PíP»P°C†PμP±Ps.

PμP°CĤPjP°PePsPrPëPSP°PjC-C±PSC- PμC,,PμPeC,Pë

P'CÍP»P° PíCĤPsPIPμPrPμPSP° CÍPμCĤC-CÍ PrPsPeP»C-PSC-C±PSPëC...
PrPsCÍP»C-PrP¶PμPSCĤ PrP»CÍ PIPëP·PSP°C±PμPSPSCÍ CÍPμP»PμPeC,PëPIPsPsCÍC,C-
PμP·PμC,PëPjC-P±CÍ C%PsPrPs PíCĤPëPiPSC-C±PμPSPSCÍ P°P±CÍPsCĤP±C†C-C—
C...PsP»PμCÍC,PμCĤPëPSCÍ. P·P·PμC,PëPjC-P± PíCĤPëPiPSC-C±CÍPIP°PI
P°P±CÍPsCĤP±C†C-CĤ [¹⁴C]-C...PsP»PμCÍC,PμCĤPëPSCÍ P±PμP· PIPíP»PëPICÍ PSP°
P°P±CÍPsCĤP±C†C-CĤ C,CĤPëPiP»C-C†PμCĤPëPrC-PI, P¶PëCĤPSPëC... PePëCÍP»PsC,,
P¶PsPIC±PSPëC... PePëCÍP»PsC,, PíCĤPsPiPμCÍC,PμCĤPsPSCÍ,
PμC,PëPSC-P»PμCÍC,CĤP°PrC-PsP»CÍ P°P±Ps P¶PëCĤPsCĤPsP·C±PëPSPSPëC...
PIC-C,P°PjC-PSC-PI Pĥ C- D.

P·PíC-PrPμPjC-PsP»PsPiC-C±PSC- PrPsCÍP»C-PrP¶PμPSPSCÍ PICÍC,P°PSPsPIPëP»Pë, C%Ps
CÍPμCĤC†PμPIPs-CÍCÍPrPëPSPSP° P·P°C...PIPsCĤCĤPIP°PSC-CÍC,CH C,P°
P»PμC,P°P»CHBPSC-CÍC,CH P·PjC-PSCĤCĤC,CHCÍCÍ CÍ PíCĤCÍPjC-PNë
P·P°P»PμP¶PSPsCÍC,C- PIC-Pr CĤC-PIPsCÍ P·P°PíP°P»CHBPSPsPiPs C...PsP»PμCÍC,PμCĤPëPSCÍ
C,P° PÍPŸ P·PμPëP© C,P° PI PsP±PμCĤPSPμPSC-PNë PIC-Pr CĤC-PIPsCÍ PÍPŸ P·PμP°P©.

P—P°CÍC,PscÍCÍPIP°PSPSCÍ PμP·PμC,PëPjC-P±CÍ P·C- CÍC,P°C,PëPSPsPj PμC,,PμPeC,PëPIPsPs
P·PSPëP¶CÍC" CĤPëP·PëPe CÍPμCĤC†PμPIPs-CÍCÍPrPëPSPSPëC... PíPsPrC-PNë CÍ
PíP°C†C-C"PSC,C-PI P· C-CëPμPjC-C±PSPsCĤ C...PIPsCĤPsP±PsCĤ CÍPμCĤC†CÍ C,P°
PíPsCÍC,CĤPëPj PePsCĤPsPSP°CĤPSPëPj CÍPëPSPrCĤPsPjPsPj (P°PŸ) PI P°PSP°PjPSPμP·C-.

PŸP»C-PSC-C±PSP° PμC,,PμPeC,PëPIPsC-CÍC,CH C,P° P±PμP·PíPμPeP°

Pj PePsPSC,CĤPsP»CHBPPIP°PSPëC... PeP»C-PSC-C±PSPëC... PrPsCÍP»C-PrP¶PμPSPSCÍC...
PμP·PμC,PëPjC-P± CÍ CÍPePsCÍC,C- PjPsPSPsC,PμCĤP°PíC-C—, P° C,P°PePsP¶ C-P·
CÍCÍPíCÍC,PSC-Pj P·P°CÍC,PscÍCÍPIP°PSPSCÍPj P·C- CÍC,P°C,PëPSPsPj P·PSP°C±PSPs
P·PSPëP¶CÍPIP°PI P·P°PíP°P»CHBPSPëPNë C...PsP»PμCÍC,PμCĤPëPS (P·P°PíP°P»CHBPSPëPNë

ГПҮ), C...PsP»PμCΓC, PμC҃PēPSP P»C-ΠiPsΠiC҃PsC, PμC—PSC-Π PSPēP·CHPePsC—
C%oC-P»CHPSPsCΓC, C- (ГПҮ P»PμPкP©), P°ΠiPsP»C-ΠiPsΠiC҃PsC, PμC—PS P' (P҃ΠiPs-P') C, P°
C, C҃PēΠiP»C-C†PμC҃PēPrPē (P҃P") C- ΠiC-PrΠiPēC%oC†ΠiP°Πi C...PsP»PμCΓC, PμC҃PēPSP
P»C-ΠiPsΠiC҃PsC, PμC—PSC-Π PIPēCΓPsPePsC— C%oC-P»CHPSPsCΓC, C- (ГПҮ P»PμP'P©) C†
ΠiP°C†C-C" PSC, C-Π C-P· ΠiC-ΠiPμC҃C...PsP»PμCΓC, PμC҃PēPSPμPjC-C" C҃.

PμPμC҃PIPēPSPSP° ΠiC-ΠiPμC҃C...PsP»PμCΓC, PμC҃PēPSPμPjC-CΠ

Pj ΠiPsPrPIC-ΠN̄PSPsPjC† CΓP»C-ΠiPsPjC† ΠiP»P°C†PμP±Ps-PePsPSC, C҃PsP»CHPsPIP°PSPsPjC†
8-C, PēP҃PSPμPIPsPjC† PrPsCΓP»C-PrP҃PμPSPSC- 769 ΠiP°C†C-C" PSC, C-Π P·
ΠiC-ΠiPμC҃C...PsP»PμCΓC, PμC҃PēPSPμPjC-C" C҃, CΠPeC- PIP҃Pμ PsC, C҃PēPjC†C҃C, CH
PjPsPSPsC, PμC҃P°ΠiC-C҃ CΓC, P°C, PēPSP°PjPē C, P° PSPμ PIC-PrΠiPsPIC-PrP°C҃C, CH C†C-P»C-
ГПҮ P»PμPкP© PIC-PrΠiPsPIC-PrPSPs PrPs PкP°C†C-PsPSP°P»CHPSPsC—
PsCΓPIC-C, PSC҃PsC— ΠiC҃PsPiC҃P°PjPē P· C...PsP»PμCΓC, PμC҃PēPSC† (NCEP) (PIC-Pr 2,6
PrPs
4,1 PjPjPsP»CHP/P» [PIC-Pr 100 PrPs 160 PjPi/PrP], P·P°P»PμP҃PSPs PIC-Pr P±P°P·PsPIPēC...
C...P°C҃P°PeC, PμC҃PēCΓC, PēPe), P±C†P»Pē C҃P°PSPrPsPjC-P·PsPIP°PSC- PrP»CΠ
ΠiC҃PēΠN̄PsPjC† PμP·PμC, PēPjC-P±C† 10 PjPi P°P±Ps ΠiP»P°C†PμP±Ps, PSP° PrPsPrP°C, PsPe
PrPs ΠiPsC, PsC†PSPsC— C, PμC҃P°ΠiC-C— CΓC, P°C, PēPSP°PjPē.

P҃PμC҃PμPr ΠiP°C†C-C" PSC, C-Π, CΠPeC- PsC, C҃PēPjC†PIP°P»Pē CΓC, P°C, PēPSPē C- CΠPeC-
PSPμ PIC-PrΠiPsPIC-PrP°P»Pē C†C-P»C- ГПҮ P»PμPкP© PSP° ΠiPsC†P°C, PePsPIPsPjC†
PμC, P°ΠiC- (~ 82 %), P·PSP°C†PSPs P±C-P»CHCεPμ ΠiP°C†C-C" PSC, C-Π,
C҃P°PSPrPsPjC-P·PsPIP°PSPēC... PrP»CΠ ΠiC҃PēΠN̄PsPjC† PμP·PμC, PēPjC-P±C†,
PrPsCΓCΠiPSC†P»Pē C†C-P»C- ГПҮ P»PμPкP© Πi PeC-PSC†PμPIC-ΠN̄ C, PsC†C†C-
PrPsCΓP»C-PrP҃PμPSPSCΠ ΠiPsC҃C-ΠPSCΠPSPs P· ΠiP°C†C-C" PSC, P°PjPē,
C҃P°PSPrPsPjC-P·PsPIP°PSPēPjPē PrP»CΠ ΠiC҃PēΠN̄PsPjC† ΠiP»P°C†PμP±Ps,
PIC-PrΠiPsPIC-PrPSPs 72 % C, P° 19 %. P' C-PrΠiPsPIC-PrPSC- P·PSPēP҃PμPSPSCΠ ГПҮ
P»PμPкP© CΓC†C, C, C" PIPs PIC-PrC҃C-P·PSCΠP»PēCΓCΠ (25 % C, P° 4 % PrP»CΠ
PμP·PμC, PēPjC-P±C† ΠiPsC҃C-ΠPSCΠPSPs P· ΠiP»P°C†PμP±Ps PIC-PrΠiPsPIC-PrPSPs).
P҃C҃C-Pj C, PsPiPs, PμP·PμC, PēPjC-P±, PrPsPrP°PSPēΠN̄ PrPs ΠiPsC, PsC†PSPsC—
C, PμC҃P°ΠiC-C— CΓC, P°C, PēPSP°PjPē, CΓC†C, C, C" PIPs P·PSPēP·PēΠi P·P°ΠiP°P»CHPSPēΠN̄
ГПҮ, P҃ΠiPs-P', P҃P" C- ΠiC-PrPIPēC%oPēΠi ГПҮ P»PμPкP© ΠiPsC҃C-ΠPSCΠPSPs P·
ΠiP»P°C†PμP±Ps. P·P·PμC, PēPjC-P± P°P±Ps ΠiP»P°C†PμP±Ps, PrPsPrP°PSC- PrPs
C, PμC҃P°ΠiC-C— CΓC, P°C, PēPSP°PjPē, P·PjPμPSCεPēΠi CΓPμC҃PμPrPSC-ΠN̄ P҃-
C҃PμP°PeC, PēPIPSPēΠN̄ P±C-P»PsPe PSP° 10 % P°P±Ps 0 % PIC-Pr ΠiPsC†P°C, PePsPIPsPiPs
C҃C-ΠPSCΠ PIC-PrΠiPsPIC-PrPSPs.

Pj PrPIPsC... ΠiPsPrPIC-ΠN̄PSPēC... CΓP»C-ΠiPēC... C҃P°PSPrPsPjC-P·PsPIP°PSPēC...
ΠiP»P°C†PμP±Ps-PePsPSC, C҃PsP»CHPsPIP°PSPēC... 12-C, PēP҃PSPμPIPēC...
PrPsCΓP»C-PrP҃PμPSPSCΠC... P· C†C†P°CΓC, C҃ 1719 ΠiP°C†C-C" PSC, C-Π P·
ΠiPμC҃PIPēPSPSPsC҃ ΠiC-ΠiPμC҃C...PsP»PμCΓC, PμC҃PēPSPμPjC-C" C҃ PμP·PμC, PēPjC-P± C†
PrPsP·C- 10 PjPi CΓC†C, C, C" PIPs P·PSPēP·PēΠi P·P°ΠiP°P»CHPSPēΠN̄ ГПҮ (13 %), P»PμPкP© (19
(19 %), P҃ΠiPs-P' (14 %) C- P҃P" (8 %) C- ΠiC-PrPIPēC%oPēΠi ГПҮ P»PμP'P©
(3 %) ΠiPsC҃C-ΠPSCΠPSPs P· ΠiP»P°C†PμP±Ps. P҃C҃C-Pj C, PsPiPs, PμP·PμC, PēPjC-P± PSPμ
PIP҃P»PēPIP°Πi PSP° PePsPSC†PμPSC, C҃P°C†C-C҃ P҃PēC҃PsC҃PsP·C†PēPSPSPēC...
PIC-C, P°PjC-PSC-Π P҃, D C, P° P°, PSPμ PIPiP»PēPIP°Πi PSP° ΠiC҃PsC, C҃PsPjP±C-PSPsPIPēΠN̄
C†P°CΓ, C-, CΠPe C-PSCεC- P»C-ΠiC-PrPsP·PSPēP҃C†PIP°P»CHPSC- ΠiC҃PμΠiP°C҃P°C, Pē, PSPμ
P·P°PIP°P҃P°Πi ΠiC҃PsPrC†PeC†PIP°PSPSC҃ P°PrC҃PμPSPsPePsC҃C, PēPeP°P»CHPSPsPiPs
CΓC, PμC҃PsC—PrPSPsPiPs PiPsC҃PjPsPSC†.

Pj P±P°ΠiP°C, PsC†PμPSC, C҃PsPIPsPjC† ΠiPsPrPIC-ΠN̄PSPsPjC† CΓP»C-ΠiPsPjC†

PePsPSC,CHPsP»CHbPsPIP°PSPsPjCř PeP»C-PSC-C†PSPsPjCř PrPsCřP»C-PrP¶PµPSPSC-
(ENHANCE) 720 PiP°C†C-C”PSC,C-PI C-P· PiPµC,PµCHPsP·PëPiPsC,PSPsCĤ
CřC-PjPµPNbPSPsCĤ PiC-PiPµCĤC...PsP»PµCřC,PµCHPëPSPµPjC-C”CĤ P±CřP»Pë
CĤP°PSPřPsPjC-P·PsPIP°PSC- PrP»CĬ PiCĤPëPNbPsPjCř PµP·PµC,PëPjC-P±Cř 10 PjPi Cř
PePsPjP±C-PSP°C†C-C— P· CřPëPjPIP°CřC,P°C,PëPSPsPj 80 PjPi (n = 357) P°P±Ps
CřPëPjPIP°CřC,P°C,PëPSCř 80 PjPi (n = 363) PiCĤPsC,CĬPiPsPj 2 CĤPsPeC-PI.
PhCřPSPsPIPSPsCĤ PjPµC,PsCĤ PrPsCřP»C-PrP¶PµPSPSCĬ P±CřP»Ps PIPëPIC†PµPSPSCĬ
PµC,,PµPeC,Cř PePsPjP±C-PSPsPIP°PSPsC— C,PµCHP°PiC-C—
PµP·PµC,PëPjC-P±PsPj/CřPëPjPIP°CřC,P°C,PëPSPsPj PSP° C,PsPIC%PëPSCř C-PSC,PëPjP°-
PjPµPrC-P° (PŷP†PĤ) CřPsPSPSPëC... P°CĤC,PµCHC-PNë PiPsCĤC-PIPSCĬPSPs P·
PjPsPSPsC,PµCHP°PiC-C”CĤ CřPëPjPIP°CřC,P°C,PëPSPsPj. P’PiP»PëPI C†CHbPsPiPs
CřCřCĤPsPiP°C,PSPsPiPs PjP°CĤPePµCHP° PSP° CřPµCHC†PµPIPs-CřCřPrPëPSPSCř
P·P°C...PIPsCĤCĤPIP°PSC-CřC,CH C,P° P»PµC,P°P»CHbPSC-CřC,CH PICřPµ C%Pµ PSPµ
PiCĤPsPrPµPjPsPSCřC,CĤPsPIP°PSPs. PµPµCHPIPëPSPSP° PeC-PSC†PµPIP° C,PsC†PeP°,
P·PjC-PSP° CřPµCHPµPrPSCĤPsC— PŷP†PĤ PICřC-C... CëPµCřC,Pë CřPµPiPjPµPSC,C-PI
CřPsPSPSPëC... P°CĤC,PµCHC-PNë, PSPµ PIC-PrCĤC-P·PSCĬP»P°CřCĬ P·PSP°C†PSPsCĤ
PjC-CĤPsCĤ (CĤ = 0,29) PjC-P¶ PrPIPsPjP° PiCĤCřPiP°PjPë P»C-PeCřPIP°PSPSCĬ, CĬPe
P±CřP»Ps PIPëP·PSP°C†PµPSPs P·P° PrPsPiPsPjPsPiPsCĤ CřP»CHbC,CĤP°P·PICřPePsPIPsPiPs
PrPsCřP»C-PrP¶PµPSPSCĬ Cř P’-CĤPµP¶PëPjC-. PµCHPë P·P°CřC,PsCřCřPIP°PSPSC-
PµP·PµC,PëPjC-P±Cř 10 PjPi Cř PePsPjP±C-PSP°C†C-C— P· CřPëPjPIP°CřC,P°C,PëPSPsPj 80 PjPi
P°P±Ps C,C-P»CHbPePë CřPëPjPIP°CřC,P°C,PëPSCř 80 PjPi, C,PsPIC%PëPSP° C-PSC,PëPjP°-
PjPµPrC-P° P·P±C-P»CHbCëPëP»P°CřCĬ PIC-PrPiPsPIC-PrPSPs PSP° 0,0111 PjPj C- 0,0058 PjPj
PIC-PrPiPsPIC-PrPSPs PiCĤPsC,CĬPiPsPj PrPIPsCĤC-C†PSPsPiPs PrPsCřP»C-PrP¶PµPSPSCĬ
(PiPsC†P°C,PePsPIP° C,PsPIC%PëPSP° PŷP†PĤ CřPsPSPSPëC... P°CĤC,PµCHC-PNë bĤ” 0,68 PjPj
C,P° 0,69 PjPj PIC-PrPiPsPIC-PrPSPs).

P·P·PµC,PëPjC-P± 10 PjPi Cř PePsPjP±C-PSP°C†C-C— P· CřPëPjPIP°CřC,P°C,PëPSPsPj 80 PjPi
P·PjPµPSCëPëPI CĤC-PIPµPSCĤ PŖPŷ P>PµPĶP©, P·P°PiP°P»CHbPSPëPNë PŖPŷ, PhPiPs-B
C- PŷP” P·PSP°C†PSPs P±C-P»CHbCëPµ, PSC-P¶ CřPëPjPIP°CřC,P°C,PëPS 80 PjPi.
PµCHPsC†PµPSC,PSPµ P·P±C-P»CHbCëPµPSPSCĬ PŖPŷ P>PµP’P© P±CřP»Ps
PiPsPrC-P±PSPëPj PrP»CĬ PrPIPsC... PiCĤCřPi P»C-PeCřPIP°PSPSCĬ. PµPsP±C-C†PSC-
CĤPµP°PeC†C-C—, PiCĤPs CĬPeC- PiPsPIC-PrPsPjP»CĬP»Pë PiCĤPë
P·P°CřC,PsCřCřPIP°PSPSC- PµP·PµC,PëPjC-P±Cř 10 PjPi PI PePsPjP±C-PSP°C†C-C— P·
CřPëPjPIP°CřC,P°C,PëPSPsPj 80 PjPi, PIC-PrPiPsPIC-PrP°P»Pë PNbPsPiPs
PIC-PrPsPjPsPjCř PiCĤPsC,,C-P»CĤ P±PµP·PiPµPePë.

P”C-C,Pë

Pj P±P°PiP°C,PsC†PµPSC,CĤPsPIPsPjCř PiPsPrPIC-PNëPSPsPjCř CřP»C-PiPsPjCř
PePsPSC,CHPsP»CHbPsPIP°PSPsPjCř PrPsCřP»C-PrP¶PµPSPSC- 138 PiP°C†C-C”PSC,C-PI
(59 C...P»PsPiC†PëPeC-PI C,P° 79 PrC-PIC†P°C,) PIC-PePsPj PIC-Pr 6 PrPs 10 CĤPsPeC-PI
(CřPµCHPµPrPSC-PNë PIC-Pe 8,3 CĤPsPeCř) C-P· PiPµC,PµCHPsP·PëPiPsC,PSPsCĤ
CřC-PjPµPNbPSPsCĤ P°P±Ps PSPµCřC-PjPµPNbPSPsCĤ
PiC-PiPµCĤC...PsP»PµCřC,PµCHPëPSPµPjC-C”CĤ (P”PµPŷP”) P· PiPsC†P°C,PePsPIPëPjPë
CĤC-PIPSCĬPjPë PŖPŷ P>PµPĶP© PjC-P¶ 3,74 C- 9,92 PjPjPsP»CHb/P» P±CřP»Pë
CĤP°PSPřPsPjC-P·PsPIP°PSC- PrP»CĬ PiCĤPëPNbPsPjCř PµP·PµC,PëPjC-P±Cř 10 PjPi P°P±Ps
PiP»P°C†PµP±Ps PiCĤPsC,CĬPiPsPj 12 C,PëP¶PSC-PI.

PĶP° 12-PjCř C,PëP¶PSC- PµP·PµC,PëPjC-P± CřCřC,C,C”PIPs P·PSPëP·PëPI P·P°PiP°P»CHbPSPëPNë
PŖPŷ (-21 % PiCĤPsC,Pë 0 %), PŖPŷ P>PµPĶP© (-28 % PiCĤPsC,Pë -1 %), APiPs-B (-22 %

ΠΐCΉPsC,Πē -1 %), ΠΓΠΨ Π>ΠμΠ'Π© (-26 % ΠΐCΉPsC,Πē 0 %) ΠΐPsCΉC-ΠΐPSCΠΐPSPs Π·
ΠΐΠ>Π°C†ΠμΠ±Ps. Π ΠμΠ·C†Π>CΉC,Π°C,Πē ΠρΠ>CΠ ΠρΠΐPsC... ΠΐCΉC†Πΐ Π>C-ΠēC†Πΐ°PSPSCΠ
Π±C†Π>Πē ΠΐPsΠρC-Π±PSPēΠjΠē ΠρΠ>CΠ ΠΨΠ" C,Π° ΠΓΠΨ Π>ΠμΠ'Π© (-6 % ΠΐCΉPsC,Πē 8 % C,Π° 2 %
ΠΐCΉPsC,Πē 1 % ΠΐC-ΠρΠΐPsΠΐC-ΠρPSPs).

Πj Π±Π°ΠΐΠ°C,ΠsC†ΠμΠSC, CΉPsΠΐPsΠjC† ΠΐPsΠρΠΐC-ΠNēPSPsΠjC† C†Π>C-ΠΐPsΠjC†
ΠēPsΠSC, CΉPsΠ>CΉPsΠΐ°PSPsΠjC† ΠρPsC†Π>C-ΠρΠ¶ΠμΠSPSC- 142 C...Π>PsΠΐC†ΠēΠēΠē
(C†C,Π°ΠρC-CΠ ΠΨΠ°PSPSPμCΉΠ° Π Π°Π±Ps ΠΐΠēC%Πμ) C,Π° 106 ΠρC-ΠΐC†Π°C,ΠsΠē ΠΐC-C†Π>CΠ
ΠjΠμPSP°CΉC...Πμ ΠΐC-ΠēPsΠj ΠΐC-Πρ 10 ΠρPs 17 CΉPsΠēC-Πΐ (C†ΠμCΉΠμΠρΠSC-ΠNē ΠΐC-Πē
14,2 CΉPsΠēC-Πΐ) C-Π· ΠΐΠμC,ΠμCΉPsΠ·ΠēΠΐPsC,PSPsCΉ C†C-ΠjΠμΠNēPSPsCΉ
ΠΐC-ΠΐΠμCΉC...PsΠ>ΠμC†C,ΠμCΉΠēPSPμΠjC-C" CΉ (Π"ΠμΠΨΠ") Π· ΠΐPsC†Π°C,ΠēPsΠΐΠēΠjΠē
CΉC-ΠΐPSCΠjΠē ΠΓΠΨ Π>ΠμΠκΠ© ΠjC-Π¶ 4,1 C,Π° 10,4 ΠjΠjPsΠ>CΉ/Π> Π±C†Π>Πē
CΉΠ°PSPρPsΠjC-Π·PsΠΐ°PSC- ΠρΠ>CΠ ΠΐCΉΠēΠNēPsΠjC† ΠμΠ·ΠμC,ΠēΠjC-Π±C† 10 ΠjΠ
C†C†ΠΐC†C,ΠSCΉPs Π· C†ΠēΠjΠΐ°C†C,Π°C,ΠēPSPsΠj (10, 20 Π°Π±Ps 40 ΠjΠ) Π°Π±Ps
C,C-Π>CΉΠēΠē C†ΠēΠjΠΐ°C†C,Π°C,ΠēPSC† (10, 20 Π°Π±Ps 40 ΠjΠ) ΠΐCΉPsC,CΠΠΐPsΠj
6 C,ΠēΠ¶PSC-Πΐ, C†C†ΠΐC†C,ΠSCΉPs Π· ΠμΠ·ΠμC,ΠēΠjC-Π±PsΠj C- 40 ΠjΠ
C†ΠēΠjΠΐ°C†C,Π°C,ΠēPSC† Π°Π±Ps C,C-Π>CΉΠēΠē 40 ΠjΠ C†ΠēΠjΠΐ°C†C,Π°C,ΠēPSC†
ΠΐCΉPsC,CΠΠΐPsΠj PSP°C†C,C†ΠΐPSPēC... 27 C,ΠēΠ¶PSC-Πΐ Π· ΠΐPsΠρΠ°Π>CΉCēΠēΠj
ΠΐC-ΠρΠēCΉΠēC,ΠēΠj C†C†ΠΐC†C,ΠSC-Πj ΠΐCΉΠēΠNēPsΠjPsΠj ΠμΠ·ΠμC,ΠēΠjC-Π±C† C,Π°
C†ΠēΠjΠΐ°C†C,Π°C,ΠēPSC† (10 ΠjΠ, 20 ΠjΠ Π°Π±Ps 40 ΠjΠ) ΠΐCΉPsC,CΠΠΐPsΠj 20 C,ΠēΠ¶PSC-Πΐ.

ΠκΠ° 6-ΠjC† C,ΠēΠ¶PSC- ΠμΠ·ΠμC,ΠēΠjC-Π± C-Π· C†C†ΠΐC†C,ΠSC-Πj
Π·Π°C†C,ΠsC†C†Πΐ°PSPSCΠj C†ΠēΠjΠΐ°C†C,Π°C,ΠēPSC† (ΠΐC†C- ΠρPsΠ·Πē) C†C†C,C,C"ΠΐPs
Π·ΠjΠμPSCēΠēΠΐ Π·Π°ΠΐΠ°Π>CΉPSPēΠNē ΠΓΠΨ (38 % ΠΐCΉPsC,Πē 26 %), ΠΓΠΨ Π>ΠμΠκΠ© (49 %
ΠΐCΉPsC,Πē 34 %), ΑΠΐPs-B (39 % ΠΐCΉPsC,Πē 27 %), ΠΓΠΨ Π>ΠμΠ'Π© (47 % ΠΐCΉPsC,Πē 33 %)
ΠΐPsCΉC-ΠΐPSCΠΐPSPs Π· ΠjPsPSPsC,ΠμCΉΠ°ΠΐC-C" CΉ C†ΠēΠjΠΐ°C†C,Π°C,ΠēPSPsΠj (ΠΐC†C-
ΠρPsΠ·Πē). Π ΠμΠ·C†Π>CΉC,Π°C,Πē ΠρΠ>CΠ ΠρΠΐPsC... ΠΐCΉC†Πΐ Π>C-ΠēC†Πΐ°PSPSCΠ Π±C†Π>Πē
ΠΐPsΠρC-Π±PSPēΠjΠē ΠρΠ>CΠ ΠΨΠ" C,Π° ΠΓΠΨ Π>ΠμΠ'Π© (-17 % ΠΐCΉPsC,Πē -12 % C,Π° 7 %
ΠΐCΉPsC,Πē 6 % ΠΐC-ΠρΠΐPsΠΐC-ΠρPSPs). ΠκΠ° 33-ΠjC† C,ΠēΠ¶PSC- CΉΠμΠ·C†Π>CΉC,Π°C,Πē
Π±C†Π>Πē C†C†ΠjC-C†PSPēΠjΠē Π· CΉΠμΠ·C†Π>CΉC,Π°C,Π°ΠjΠē PSP° 6-ΠjC† C,ΠēΠ¶PSC-, C-
Π·PSP°C†PSPs Π±C-Π>CΉCēΠμ ΠΐΠ°C†C-C" PSC,C-Πΐ, CΠΠēC- ΠsC,CΉΠēΠjC†Πΐ°Π>Πē
ΠμΠ·ΠμC,ΠēΠjC-Π± C,Π° 40 ΠjΠ C†ΠēΠjΠΐ°C†C,Π°C,ΠēPSC† (62 %) ΠρPsC†CΠΠΐΠ>Πē
C-ΠρΠμΠ°Π>CΉPSPsC— ΠjΠμC,Πē ΠΐC-ΠρΠΐPsΠΐC-ΠρPSPs ΠρPs NCEP AAP (< 2,8
ΠjΠjPsΠ>CΉ/Π> [110 ΠjΠ/ΠρΠ>]) ΠρΠ>CΠ ΠΓΠΨ Π>ΠμΠκΠ© ΠΐPsCΉC-ΠΐPSCΠΐPSPs Π·
C,ΠēΠjΠē, C...C,Πs ΠsC,CΉΠēΠjC†Πΐ°Πΐ 40 ΠjΠ C†ΠēΠjΠΐ°C†C,Π°C,ΠēPSC† (25 %). ΠκΠ° 53-
ΠjC† C,ΠēΠ¶PSC-, PSP°ΠΐCΉΠēΠēC-PSC†C- ΠΐC-ΠρΠēCΉΠēC,ΠsΠΐPs ΠρPsΠρΠ°C,ΠēPsΠΐPsΠΐPs
ΠρPsC†Π>C-ΠρΠ¶ΠμΠSPSCΠ, ΠΐΠΐ>ΠēΠΐ PSP° Π>C-ΠΐC-ΠρPSC- ΠΐΠ°CΉΠ°ΠjΠμC,CΉΠē
Π·Π±ΠμCΉC-ΠΐΠ°ΠΐC†CΠ.

Π'ΠμΠ·ΠΐΠμΠēΠ° C,Π° ΠμC,ΠμΠēC,ΠēΠΐPSC-C†C,CΉ ΠμΠ·ΠμC,ΠēΠjC-Π±C†, C%Πs
ΠΐCΉΠēΠ·PSP°C†Π°Π>Πē C† ΠēPsΠjΠ±C-PSP°C†C-C— Π· C†ΠēΠjΠΐ°C†C,Π°C,ΠēPSPsΠj C† ΠρPsΠ·C-
Π±C-Π>CΉCēΠμ 40 ΠjΠ PSP° ΠρPsΠ±C†, ΠρC-C,CΠΠj ΠΐC-ΠēPsΠj ΠΐC-Πρ 10 ΠρPs 17 CΉPsΠēC-Πΐ,
PSPμ ΠΐΠēΠΐC†Π°Π>ΠēC†CΠ. Π'ΠμΠ·ΠΐΠμΠēC† C,Π° ΠμC,ΠμΠēC,ΠēΠΐPSC-C†C,CΉ
ΠμΠ·ΠμC,ΠēΠjC-Π±C†, C%Πs ΠΐCΉΠēΠ·PSP°C†Π°Π>Πē C† ΠēPsΠjΠ±C-PSP°C†C-C— Π·
C†ΠēΠjΠΐ°C†C,Π°C,ΠēPSPsΠj, ΠρC-C,CΠΠj ΠΐC-ΠēPsΠj ΠρPs 10 CΉPsΠēC-Πΐ, PSPμ
ΠΐΠēΠΐC†Π°Π>Πē. Π"ΠsΠΐΠsC†C,CΉPsΠēPsΠΐ° ΠμC,ΠμΠēC,ΠēΠΐPSC-C†C,CΉ C,ΠμCΉΠ°ΠΐC-C—
ΠμΠ·ΠμC,ΠēΠjC-Π±PsΠj C† ΠΐΠ°C†C-C" PSC,C-Πΐ ΠΐC-ΠēPsΠj ΠρPs 17 CΉPsΠēC-Πΐ ΠρΠ>CΠ
Π·PSPēΠ¶ΠμΠSPSCΠ Π·Π°C...ΠΐPsCΉCΉΠΐ°PSPsC†C,C- C,Π° Π>ΠμC,Π°Π>CΉPSPsC†C,C- C†
Π·CΉC-Π>PsΠjC† ΠΐC-C†C- PSPμ ΠρPsC†Π>C-ΠρΠ¶C†Πΐ°Π>Π°C†CΠ.

PuCTjPsC,,C-P»P°PeC,PëPeP° CÍPµCTjC†PµPIPs-CÍCžPrPëPSPSPëC... PiPsPrC-PNë

PµPsP»C-PiC€PµPSPµ CÍPePsCTjPsC†PµPSPSCÍ CTjPµP·CrP»CHbC,P°C,C-PI:
PjC-P¶PSP°CTjPsPrPSPµ PrPsCÍP»C-PrP¶PµPSPSCÍ PµC,,PµPeC,PëPIPsCÍC,C-
P'C-C,PScTjC-PSCr (IMPROVE-IT) бґ“ C†Pµ P±P°PiP°C,PSc†PµPSC,CTjPsPIPµ
CTjP°PSPPrPsPjC-P·PsPIP°PSPµ PiPsPrPIC-PNëPSPµ CÍP»C-PiPµ PrPsCÍP»C-PrP¶PµPSPSCÍ P·
P°PeC,PëPIPsPëPj PePsPSC,CTjPsP»PµPj P· CrC†P°CÍC,CT 18144 PiP°C†C-C"°PSC,C-PI, CÍPeC-
P±CrP»Pë PIPeP»CThC†PµPSC- PiCTjPsC,CÍPiPsPj 10 PrPSC-PI PiC-CÍP»CÍ
PiPsCÍPiC-C,P°P»C-P·P°C†C-C— C†PµCTjPµP· PiPsCÍC,CTjPëPNë PePsCTjPsPSP°CTjPSPëPNë
CÍPëPSPPrCTjPsPj (P"ПлПґ, PiPsCÍC,CTjPëPNë C-PSC,,P°CTjPeC, PjC-PsPeP°CTjPrP° [P†Pґ] P°P±Ps
PSPµCÍC,P°P±C-P»CHbPSP° CÍC,PµPSPsPeP°CTjPrC-CÍ [PќPґ]). PќP° PjPsPjPµPSC,
PiCTjPsCÍPICr P"ПлПґ ПґPґ P»PµPќP© PiP°C†C-C"°PSC,C-PI P±CrPI ≤ 125 PjPi/PrP»
(≤ 3,2 PjPjPsP»CHb/P»), CÍPeC%Ps PIPsPSPë PSPµ PsC,CTjPëPjCrPIP°P»Pë
P»C-PiC-PrPsP·PSPëP¶CÍPIP°P»CHbPSCr C,PµCTjP°PiC-CT, P°P±Ps ≤ 100 PjPi/PrP»
(≤ 2,6 PjPjPsP»CHb/P»), CÍPeC%Ps PIPsPSPë PsC,CTjPëPjCrPIP°P»Pë
P»C-PiC-PrPsP·PSPëP¶CÍPIP°P»CHbPSCr C,PµCTjP°PiC-CT. PjCÍC- PiP°C†C-C"°PSC,Pë
P±CrP»Pë CTjP°PSPPrPsPjC-P·PsPIP°PSC- Cr CÍPiC-PIPIC-PrPSPsC€PµPSPSC- 1:1 PrP»CÍ
PiCTjPëPNëPsPjCr P°P±Ps PµP·PµC,PëPjC-P±Cr/CÍPëPjPIP°CÍC,P°C,PëPSCr 10/40 PjPi
(n = 9067) P°P±Ps CÍPëPjPIP°CÍC,P°C,PëPSCr 40 PjPi (n = 9077) C,P°
P·PSP°C...PsPrPëP»PëCÍCÍ PiC-Pr PSP°PiP»CÍPrPsPj Cr CÍPµCTjPµPrPSCbPsPjCr
6 CTjPsPeC-PI.

PґPµCTjPµPrPSC-PNë PIC-Pe PiP°C†C-C"°PSC,C-PI CÍC,P°PSPsPIPëPI 63,6 CTjPsPeCr; 76 %
P±CrP»Pë C†PsP»PsPIC-C†PsC— CÍC,P°C,C-, 84 % P±CrP»Pë PeP°PIPeP°P·CHbPePsC—
PSP°C†C-PsPSP°P»CHbPSPsCÍC,C- C,P° 27 % PjP°P»Pë PrC-P°P±PµC,,
PґPµCTjPµPrPSC-PNë PiPsPeP°P·PSPëPe ПґPґ P»PµPќP© PSP° PjPsPjPµPSC,
PIPëPIC†PµPSPSCÍ PePIP°P»C-C,,C-PeP°C†C-PNëPSPsC— PiPsPrC-C— P±CrPI 80
PjPi/PrP» (2,1 PjPjPsP»CHb/P») PrP»CÍ P»C-PiC-PrPsP·PSPëP¶CÍPIP°P»CHbPSPsC—
C,PµCTjP°PiC-C— (n 6390) C,P°
101 PjPi/PrP» (2,6 PjPjPsP»CHb/P») PrP»CÍ C,PëC... PiP°C†C-C"°PSC,C-PI, CÍPeC- PSPµ
PsC,CTjPëPjCrPIP°P»Pë PiPsPiPµCTjPµPrPSCb P»C-PiC-PrPsP·PSPëP¶CÍPIP°P»CHbPSCr
C,PµCTjP°PiC-CT (n = 11 594). P"Ps PiPsCÍPiC-C,P°P»C-P·P°C†C-C— Cr P·Piбґ™ CÍP·PeCr P·
P"ПлПґ 34 % PiP°C†C-C"°PSC,C-PI PsC,CTjPëPjCrPIP°P»Pë C,PµCTjP°PiC-CT CÍC,P°C,PëPSP°PjPë.
PµCTjPsC,CÍPiPsPj 1 CTjPsPeCr CÍPµCTjPµPrPSC-PNë PiPsPeP°P·PSPëPe ПґPґ P»PµPќP© PrP»CÍ
PiP°C†C-C"°PSC,C-PI, CÍPeC- PiCTjPsPrPsPIP¶CÍPIP°P»Pë C,PµCTjP°PiC-CT, CÍC,P°PSPsPIPëPI
53,2 PjPi/PrP» (1,4 PjPjPsP»CHb/P») PrP»CÍ PiCTjCrPiPë
PµP·PµC,PëPjC-P±Cr/CÍPëPjPIP°CÍC,P°C,PëPSCr C- 69,9 PjPi/PrP»
(1,8 PjPjPsP»CHb/P») PrP»CÍ PiCTjCrPiPë PjPsPSPsC,PµCTjP°PiC-C— CÍPëPjPIP°CÍC,P°C,PëPSCr.
P—PSP°C†PµPSPSCÍ P»C-PiC-PrC-PI P·P°PiP°P»PsPj P±CrP»Pë PsC,CTjPëPjP°PSC- PrP»CÍ
PiP°C†C-C"°PSC,C-PI, CÍPeC- P·P°P»PëC€PëP»PëCÍCÍ PI PrPsCÍP»C-PrP¶CÍPIP°PSC-PNë
C,PµCTjP°PiC-C—.

PµPµCTjPIPëPSPSPsCT PeC-PSC†PµPIPsCT C,PSc†PePsCT P±CrP»P° PePsPjP±C-PSP°C†C-C—,
C%Ps PIPeP»CThC†P°P»P° P»PµC,P°P»CHbPSPëPNë PSP°CÍP»C-PrPsPe P· PiCTjPëC†PëPSPë
CÍPµCTjC†PµPIPs-CÍCrPrPëPSPSPsC— PiP°C,PSP»PsPiC-C—, PiPsCÍC,CTjPëPNë
PePsCTjPsPSP°CTjPSPëPNë CÍPëPSPPrCTjPsPj (P"ПлПґ, C%Ps PIPeP·PSP°C†P°PICÍCÍ CÍPe
PSPµP»PµC,P°P»CHbPSPëPNë C-PSC,,P°CTjPeC, PjC-PsPeP°CTjPrP°,
P·P°PrPsPeCrPjPµPSC,PsPIP°PSP° PSPµCÍC,P°P±C-P»CHbPSP° CÍC,PµPSPsPeP°CTjPrC-CÍ,
CÍPeP° PiPsC,CTjPµP±CrPIP°P»P° PiPsCÍPiC-C,P°P»C-P·P°C†C-C—, P°P±Ps P±CrPrCHb-CÍPeP°
PiCTjPsC†PµPrCrCTjP° PePsCTjPsPSP°CTjPSPsC— CTjPµPIP°CÍPeCrP»CÍCTjPëP·P°C†C-C—,

CИPеP° PиCђPсC...PsPrPөP»P° CИPе PјC-PSC-PјCрPј C±PμCђPμP· 30 PrPSC-PI PиC-ClP»CИ
 PиCђPөP·PSP°C±PμPSPSCИ CђP°PSPPrPsPјC-P·PsPIP°PSPsPiPs P»C-PeCрPIP°PSPSCИ) C-
 PSPμP»PμC,P°P»CHBPSPөP№ C-PSClCрP»CHC,, P°PсClP»C-PrP¶PμPSPSCИ PиPsPeP°P·P°P»Pө,
 C%oPs P»C-PeCрPIP°PSPSCИ PμP·PμC,PөPјC-P±PsPј PиCђPө PrPsPrP°PIP°PSPSC- PrPs
 ClPөPјPIP°ClC,P°C,PөPSCр P·P°P±PμP·PiPμC±CрC” PиPsClC,CрPiPsPICр PiPμCђPμPIP°PiCр Cр
 P·PјPμPSCєPμPSPSC- PiPμCђPIPөPSPSPсC— PePsPјP±C-PSPsPIP°PSPсC— PeC-PSC±PμPIPsC—
 C,PsC±PePө P»PμC,P°P»CHBPSPsPiPs PSP°ClP»C-PrPeCр P· PиCђPөC±PөPSPө ClPμCђC±PμPIPs-
 ClCрPrPөPSPSPсC— PиP°C,PsP»PsPiC-C—, P”PљPŸ C,P° PSPμP»PμC,P°P»CHBPSPsPiPs
 C-PSClCрP»CHC,Cр PиPsCђC-PIPSClPSPs P· ClPөPјPIP°ClC,P°C,PөPSPsPј
 (PIC-PrPSPsClPSPөP№ CђPөP·PөPe P·PSPөP¶ClC”C,CHCлCИ PSP° 6,4 %, Cђ 0,016).
 PμPμCђPIPөPSPSP° PeC-PSC±PμPIP° C,PsC±PeP° ClPiPsClC,PμCђC-PiP°P»P°ClCИ Cр 2572 P·
 9067 PиP°C±C-C”PSC,C-PI (7-CђC-C±PSPөP№ PiPsPeP°P·PSPөPe PSP° PsClPSPsPIC- PјPμC,PsPrCр
 PљP°PiP»P°PSP°-PђPμC”CђP° [KM] 32,72 %) PI PиCђCрPiC-
 PμP·PμC,PөPјC-P±Cр/ClPөPјPIP°ClC,P°C,PөPSCр C,P° 2742 P· 9077 PиP°C±C-C”PSC,C-PI (7-
 CђC-C±PSPөP№ PiPsPeP°P·PSPөPe PSP° PsClPSPsPIC- PјPμC,PsPrCр PљPђ 34,67 %) Cр
 PиCђCрPiC- ClPөPјPIP°ClC,P°C,PөPSCр. (PrPөPI. P PөCl.1 C- PŸP°P±P»PөC±Cђ 1).
 PђC±C-PeCрC”C,CHCлCИ, C%oPs C±CИ PrPsPrP°C,PePsPIP° PiPμCђPμPIP°PiP° P±CрPrPμ
 ClC...PsP¶PsCђ P· PsPrPSPsC±P°ClPSPөPј PIPIPμPrPμPSPSCИPј C-PSCєPөC...
 ClC,P°C,PөPSC-PI, CИPеC- PиPsPeP°P·P°P»Pө ClPIPsCђ PμC,,PμPeC,PөPIPS-ClC,CH Cр
 P·PјPμPSCєPμPSPSC- CђPөP·PөPeCр ClPμCђC±PμPIPs-ClCрPrPөPSPSPөC... PиPsPrC-P№.
 P—P°PiP°P»CHBPSP° P»PμC,P°P»CHBPSC-ClC,CH Cр C±C-P№ PиCђCрPiC- PиPөClPsPePsPiPs
 CђPөP·PөPeCр PSPμ P·PјC-PSPөP»P°ClCИ (PrPөPI. PŸP°P±P»PөC±Cђ 1).

P”P»CИ PICлC-C... C-PSClCрP»CHC,C-PI C-ClPSCрPIP°P»P° P·P°PiP°P»CHBPSP°
 PиPμCђPμPIP°PiP°; PиCђPsC,Pμ ClPiPsClC,PμCђC-PiP°P»PsClCИ PSPμPIPμP»PөPePμ
 PSPμP·PSP°C±PSPμ P·P±C-P»CHCєPμPSPSCИ PiPμPјPsCђP°PiC-C±PSPsPiPs C-PSClCрP»CHC,Cр
 PI PиCђCрPiC- PμP·PμC,PөPјC-P±Cр-ClPөPјPIP°ClC,P°C,PөPSCр PиPsCђC-PIPSClPSPs P·
 ClPөPјPIP°ClC,P°C,PөPSPsPј (PrPөPI. PŸP°P±P»PөC±Cђ 1). P PөP·PөPe
 PiPμPјPsCђP°PiC-C±PSPsPiPs C-PSClCрP»CHC,Cр PиCђPө P·P°ClC,PsClCрPIP°PSPSC-
 PμP·PμC,PөPјC-P±Cр CђP°P·PsPј C-P· PиPөClPsPePsP°PeC,PөPIPSPөPјPө ClC,P°C,PөPSP°PјPө Cр
 PrPsPIPiPsClC,CђPsPePsPIPөC... PrPsClP»C-PrP¶PμPSPSCИC... CђPμP·CрP»CHC,P°C,C-PI PSPμ
 P±CрPI PsC±C-PSPμPSPөP№.

P»C-PeCрPIP°P»CHBPSPөP№ PμC,,PμPeC, PμP·PμC,PөPјC-P±Cр/ClPөPјPIP°ClC,P°C,PөPSCр
 P·P°PiP°P»PsPј PIC-PrPiPsPIC-PrP°PI P·P°PiP°P»CHBPSPөPј CђPμP·CрP»CHC,P°C,P°Pј Cр
 P±P°PiP°C,CHPsC... PиC-PrPiCђCрPiP°C..., PиPeP»CђC±P°CђC±Pө ClC,P°C,CH, PIC-Pe,
 CђP°ClCр, PSP°CИPIPS-ClC,CH C±CрPeCђPsPIPsPiPs PrC-P°P±PμC,Cр PI P°PSP°PјPSPμP·C-,
 PиPsC±P°C,PePsPIC- CђC-PIPS- P»C-PиC-PrC-PI, PиPsPiPμCђPμPrPSCђ C,PμCђP°PiC-Cђ
 ClC,P°C,PөPSP°PјPө, PиPsPiPμCђPμPrPSC-P№ C-PSClCрP»CHC, C,P° PiC-PiPμCђC,PsPSC-Cђ.

P PөCl. 1. P’PiP»PөPI PμP·PμC,PөPјC-P±Cр/ClPөPјPIP°ClC,P°C,PөPSCр PSP°
 PиPμCђPIPөPSPSCр PePsPјP±C-PSPsPIP°PSCр PeC-PSC±PμPICр C,PsC±PeCр, C%oPs
 PиPeP»CђC±P°C” P»PμC,P°P»CHBPSPөP№ PSP°ClP»C-PrPsPe P· PиCђPөC±PөPSPө
 ClPμCђC±PμPIPs-ClCрPrPөPSPSPсC— PиP°C,PsP»PsPiC-C—, PиPsClC,CђPөP№
 PePsCђPsPSP°CђPSPөP№ ClPөPSPPrCђPsPј C,P° PSPμP»PμC,P°P»CHBPSPөP№ C-PSClCрP»CHC,,



PhCIPSPsPIPS- CIPuCHCIPuPIPs-CICrPrPSPSC- PiPsPrC-C— P·P° PiCHCIPiP°PjPë
P»C-PeCfPIP°PSPSCI CÍ PICIC-C... CHP°PSPPrPsPjC-P·PsPIP°PSPëC... PIP°CIC-C”PSC,C-PI CÍ
PrPsCIP»C-PrP¶PµPSPSC- IMPROVE-IT.

ÞýP°P±P»PëCIC 1.

P PµP·CfP»CHC,P°C,	P·P·PµC,PëPjC-P±/CfPëPjPIP°CfC,P°C,PëPS 10/40 PjPi ^a (N = 9067)	40 PjPi ^b (N = 9077)	PYPëPjPIP°CfC,P°C,PëPS	P'C-PrPSPsCëPµPSPSCİİ	p-P·PSP°C±PµPSPSCİİ	
	n	K-M % ^c	n	K-M % ^c		
PµPµCİPIPëPSPSP° PePsPjP±C-PSPsPIP°PSP° PeC-PSCİPµPIP° C,PsCİPeP°						
(P»PµC,P°P»CHPSPëPÑ PSP°CfP»C-PrPsPe P· PiCİPëCİPëPSPë CfPµCİCİPµPIPs-CfCfPrPëPSPSPsC— PiP°C,PsP»PsPiC-C—, PiPsCfC,CİPëPÑ PePsCİPSPSP°CİPSPëPÑ CfPëPSPPrCİPSPj C- PSPµP»PµC,P°P»CHPSPëPÑ C-PSCfCfP»CHC,)	2572	32,72 %	2742	34,67 %	0,936 (0,887, 0,988)	0,016
P'C,PsCİPëPSPSC- PePsPjP±C-PSPsPIP°PSC- PeC-PSCİPµPIC- C,PsCİPePë						
P·PµC,P°P»CHPSPëPÑ PSP°CfP»C-PrPsPe CİPµCİPµP· C-CëPµPjC-CİPSCf C...PIPsCİPSP±Cf CfPµCİCİPµPIPs-CİPİPİPİ), PSPµP»PµC,P°P»CHPSPëPÑ C-PSC,,P°CİPPeC, PjC-PsPeP°CİPPrP° (PİPİİ), C,PµCİPjC-PSPsPIP° PePsCİPSPSP°CİPSP° CİPµPIP°CfPeCfP»CİCİPëP·P°CİC-Cİİ PiC-CİP»Cİİ 30 PrPSC-PI	1322	17,52 %	1448	18,88 %	0,912 (0,847, 0,983)	0,016
P°PİPİPİ, PSPµP»PµC,P°P»CHPSPëPÑ C-PSCfCfP»CHC,, P»PµC,P°P»CHPSPëPÑ PSP°CfP»C-PrPsPe (PiCfC- PiCİPëCİPëPSPë)	3089	38,65 %	3246	40,25 %	0,948 (0,903, 0,996)	0,035
P·PµC,P°P»CHPSPëPÑ PSP°CfP»C-PrPsPe P· PiCİPëCİPëPSPë CfPµCİCİPµPIPs-CfCfPrPëPSPSPsC— PiP°C,PsP»PsPiC-C—, PSPµP»PµC,P°P»CHPSPëPÑ PİPİİ, PSPµCfC,P°P±C-P»CHPSP° CfC,PµPSPsPeP°CİPPrC-Cİİ, CİİPeP° PiPsC,CİPµP±CfPIP°P»P° PiPsCfPiC-C,P°P»C-P·P°CİC-C—, P±CfPrCHC-CİİPeP° CİPµPIP°CfPeCfP»CİCİPëP·P°CİC-Cİİ, PSPµP»PµC,P°P»CHPSPëPÑ C-PSCfCfP»CHC,	2716	34,49 %	2869	36,20 %	0,945 (0,897, 0,996)	0,035
Pİ						

^a 6 % PĭP°C†C-C" PSC,P°Pj PrPsP·P° PμP·PμC,PëPjC-P±Cř/CřPëPjPIP°CřC,P°C,PëPSCř P±CřP»P° PĭC-PrPIPëC‰PμPSP° PrPs 10/80 PjPi.

^a 27 % PĭP°C†C-C" PSC,P°Pj PrPsP·P° CřPëPjPIP°CřC,P°C,PëPSCř P±CřP»P° PĭC-PrPIPëC‰PμPSP° PrPs 80 PjPi.

^c 7-CřC-C‡PSPëP№ PĭPsPeP°P·PSPëPe PSP° PsCřPSPsPIC- PjPμC,PsPrCř PљP°PĭP»P°PSP°- PњPμC"CřP°.

^d PIPëP»CřC‡P°C" C-C€PμPjC-C‡PSPëP№ C-PSCřCřP»CHбC, P°P±Ps C-PSCřCřP»CHбC, PSPμPIPëP·PSP°C‡PμPSPsPiPs C,PëPĭCř.

**PμCřPsC,,C-P»P°PeC,PëPeP° PsCřPSPsPIPSPëC... CřCăPrPëPSPSPëC...
PĭPsPrC-P№ PĭCřPë C...CřPsPSC-C‡PSPsPjCă P·P°C...PIPsCřCřPIP°PSPSC-
PSPëCřPsPe (PřP—Pќ)**

P"PsCřP»C-PrP¶PμPSPSCř C‰PsPrPs P·P°C...PëCřC,Cř CřPμCřC†Cř C,P° PSPëCřPsPe (SHARP) бђ" C†Pμ P±P°PĭP°C,PsPSP°C†C-PsPSP°P»CHбPSPμ CřP°PSPrPsPjC-P·PsPIP°PSPμ PĭP»P°C†PμP±Ps-PePsPSC,CřPsP»CHбPsPIP°PSPμ PĭPsPrPIC-P№PSPμ CřP»C-PĭPμ PrPsCřP»C-PrP¶PμPSPSCř P· CřC‡P°CřC,Cř 9438 PĭP°C†C-C" PSC,C-PI C-P· C...CřPsPSC-C‡PSPëPj P·P°C...PIPsCřCřPIP°PSPSCřPj PSPëCřPsPe, C,CřPμC,PëPSP° P· CřPëPeC... PSP° PĭPsC‡P°C,PePsPIPsPjCř PμC,P°PĭC- P·PSP°C...PsPrPëP»PëCřCř PSP° PrC-P°P»C-P·C-. P—P°PĭP°P»PsPj 4650 PĭP°C†C-C" PSC,P°Pj P±CřP»Ps PĭCřPëP·PSP°C‡PμPSPs C,,C-PeCřPsPIP°PSCř PrPsP·Cř PePsPjP±C-PSP°C†C-C— PμP·PμC,PëPjC-P±Cř 10 PjPi C-P· CřPëPjPIP°CřC,P°C,PëPSPsPj 20 PjPi, P° 4620 бђ" PĭP»P°C†PμP±Ps; PĭP°C†C-C" PSC,Pë P·PSP°C...PsPrPëP»PëCřCř PĭC-Pr PSP°PĭP»CřPμPj Cř CřPμCřPμPrPSCбPsPjCř 4,9 CřPsPeCř. PŸPμCřPμPrPSC-P№ PIC-Pe PĭP°C†C-C" PSC,C-PI CřC,P°PSPsPIPëPI 62 CřPsPePë; 63 % P±CřP»Pë C‡PsP»PsPIC-C‡PsC— CřC,P°C,C-; 72 % P±CřP»Pë PeP°PIPeP°P·CHбPePsC— PSP°C†C-PsPSP°P»CHбPSPsCřC,C-; 23 % PjP°P»Pë PrC-P°P±PμC,, P° PrP»Cř C,PëC..., C...C,Ps PSPμ PsC,CřPëPjCřPIP°PI PrC-P°P»C-P·, CřPμCřPμPrPSCř PsC†C-PSCřPIP°PSP° C€PIPëPrPeC-CřC,Cř PeP»CřP±PsC‡PePsPIPsC— C,,C-P»CHбC,CřP°C†C-C— (PëPљPњ) CřC,P°PSPsPIPëP»P° 26,5 PjP»/C...PI/1,73 Pj². PљCřPëC,PμCřC-C—PI PĭPĭPμPrPμPSPSCř P»C-PĭC-PrC-PI PSPμ P±CřP»Ps. PŸPμCřPμPrPSC-P№ CřC-PIPμPSCб PŸPŸ P>PμPќP© PSP° PĭPsC‡P°C,PePsPIPsPjCř PμC,P°PĭC- CřC,P°PSPsPIPëP»P° 108 PjPi/PrP». PŸPμCřPμP· CřC-Pe, Cř C,PsPjCř C‡PëCřP»C- Cř PĭP°C†C-C" PSC,C-PI, CřPeC- P±C-P»CHбC€Pμ PSPμ PĭCřPëP№PjP°P»Pë PrPsCřP»C-PrP¶CřPIP°PSC- P»C-PePë, PŸPŸ P>PμPќP© P·PSPëP·PëPICřCř PSP° 26 % PĭCřPë PjPsPSPsC,PμCřP°PĭC-C— CřPëPjPIP°CřC,P°C,PëPSPsPj Cř PrPsP·C- 20 PjPi C,P° PSP° 38 % PĭCřPë PĭCřPëP№PsPjC- PμP·PμC,PëPjC-P±Cř Cř PrPsP·C- 10 PjPi PI PePsPjP±C-PSP°C†C-C— P· CřPëPjPIP°CřC,P°C,PëPSPsPj Cř PrPsP·C- 20 PjPi PĭPsCřC-PIPSCřPSPs P· PĭP»P°C†PμP±Ps.

PμPμCřPIPëPSPSPμ PĭPsCřC-PIPSCřPSPSCř, CřPePμ P±CřP»Ps PIPëP·PSP°C‡PμPSPs Cř PĭCřPsC,PsPePsP»C- SHARP, бђ" C†Pμ P°PSP°P»C-P· PIC-PrPĭPsPIC-PrPSPs PrPs PĭPsC‡P°C,PePsPIPs PĭCřPëP·PSP°C‡PμPSPsPiPs P»C-PeCřPIP°PSPSCř B«PsCřPSPsPIPSPëC... CřCăPrPëPSPSPëC... PĭPsPrC-P№B» (PњPŸPњ, C‰Ps PIPëP·PSP°C‡P°PICřCř CřPe PSPμP»PμC,P°P»CHбPSPëP№ P†Pњ P°P±Ps P·CřPĭPëPSPëP° CřPμCřC†Cř, C-PSCřCřP»CHбC, P°P±Ps P±CřPrCHб-CřPeP° PĭCřPsC†PμPrCřCřP° CřPμPIP°CřPeCřP»CřCřPëP·P°C†C-C—) C,C-P»CHбPePë PI C,PëC... PĭP°C†C-C" PSC,C-PI, CřPeC- CřPĭPsC‡P°C,PeCř P±CřP»Pë

C₇H^oPSP_rPsPjC-P·PsPIP^oPSC- PI PiC₇C_rPiC_r P_μP·P_μC,PëPjC-P±C_r PI PePsPjP±C-PSP^oC_rC-C— P·
 C₇PëPjPIP^oC_rC,P^oC,PëPSPsPj (n = 4193) P^oP±Ps PI PiC₇C_rPiC_r P_iP»P^oC_rP_μP±Ps (n = 4191).
 P^oC,PsC₇PëPSPSC- P^oPSP^oP»C-P·Pë PIPeP»C₇C_rP»Pë P^oPSP^oP»PsPiC-C_rPSC_r
 PePsPjP±C-PSP^oC_rC-C₇, PiC₇PsP^oPSP^oP»C-P·PsPIP^oPSC_r PrP»C₇ PIC₇C-C^oC— PePsPiPsC₇C,Pë,
 C₇H^oPSP_rPsPjC-P·PsPIP^oPSPsC— (PSP^o PiPsC_rP^oC,PePsPiPsPjC_r P_μC,P^oPiC-
 PrPsC_rP»C-PrP_μPSPSC₇ P^oP±Ps C_rP_μC₇P_μP· 1 C₇C-Pe) PrP»C₇ PiC₇PëP_μPsPjC_r
 P_μP·P_μC,PëPjC-P±C_r PI PePsPjP±C-PSP^oC_rC-C— P· C₇PëPjPIP^oC_rC,P^oC,PëPSPsPj (n = 4650)
 P^oP±Ps P_iP»P^oC_rP_μP±Ps (n = 4620), P^o C,P^oPePsP_μ PePsPjPiPsPSP_μPSC,Pë C_rC-C^oC—
 PePsPjP±C-PSP^oC_rC-C—. PhPSP^oP»C-P· PiP_μC₇PIPëPSPSPsC— PeC-PSC_rP_μPIPsC— C,PsC_rPePë
 PiPsPeP^oP·P^oPI, C₇Ps P_μP·P_μC,PëPjC-P± C_r PePsPjP±C-PSP^oC_rC-C— C-P·
 C₇PëPjPIP^oC_rC,P^oC,PëPSPsPj P·PSP^oC_rPSPs P·PjP_μPSCePëPI C₇PëP·PëPe C₇PsP·PIPëC,PeC_r
 C₇C_rPrPëPSPSPëC... PiPsPrC-PN₂ (749 PiP^oC_rC-C^oPSC,C-PI P· PiPsPrC-C₇PjPë C_r PiC₇C_rPiC-
 P_iP»P^oC_rP_μP±Ps C,P^o 639 C_r PiC₇C_rPiC- P_μP·P_μC,PëPjC-P±C_r PI PiPsC^oPrPSP^oPSPSC- P·
 PiC₇C_rPiPsC₇ C₇PëPjPIP^oC_rC,P^oC,PëPSC_r) P· PIC-PrPSPsC_rPSPëPj P·PjP_μPSCeP_μPSPSC₇Pj
 C₇PëP·PëPeC_r PSP^o 16 % (C₇ = 0,001). P₇PëPj PSP_μ PjP_μPSCeP_μ, C_rP_μPN₂ P_iP»P^oPS
 PrPsC_rP»C-PrP_μPSPSC₇ PSP_μ PrPsP·PIPsP»PëPI P·C₇PsP±PëC,Pë PsPeC₇P_μPjPëPN₂
 PIPSP_μC_rPsPe PjPsPSPsPePsPjPiPsPSP_μPSC,PSPsPiPs P_μP·P_μC,PëPjC-P±C_r PI
 P_μC,,P_μPeC,PëPIPsC-C₇C,C₇, C₇PsP± P·PSP^oC_rPSPs P·PjP_μPSCePëC,Pë C₇PëP·PëPe
 PIPëPSPëPePSP_μPSPSC₇ C₇C_rPrPëPSPSPëC... PiPsPrC-PN₂ C_r PiP^oC_rC-C^oPSC,C-PI C-P·
 P₇P—P₇. PhPeC₇P_μPjC- PePsPjPiPsPSP_μPSC,Pë PhP₇P_μ C_r PIC₇C-C...
 C₇H^oPSP_rPsPjC-P·PsPIP^oPSPëC... PiP^oC_rC-C^oPSC,C-PI PiC₇P_μPrC₇C,P^oPIP»P_μPSC- PI
 P₇P^oP±P»PëC_rC- 2. P·P·P_μC,PëPjC-P± C_r PePsPjP±C-PSP^oC_rC-C— C-P·
 C₇PëPjPIP^oC_rC,P^oC,PëPSPsPj P·PSP^oC_rPSPs P·PjP_μPSCePëPI C₇PëP·PëPe C-PSC_rC_rP»C₇C,C_r
 C,P^o P±C_rPrC₇C-C₇PePsC— C₇P_μPIP^oC_rPeC_rP»C₇C₇PëP·P^oC_rC-C— P·
 PSP_μP·PSP^oC_rPSPëPjPë C_rPëC_rP»PsPIPëPjPë PIC-PrPjC-PSPSPsC_rC,C₇PjPë P·
 PiP_μC₇P_μPIP^oPiPsC₇ P_μP·P_μC,PëPjC-P±C_r PI PePsPjP±C-PSP^oC_rC-C— P·
 C₇PëPjPIP^oC_rC,P^oC,PëPSPsPj PiC₇Pë PSP_μP»P_μC,P^oP»C₇PsPjC_r P_rP₇ C,P^o
 P·C_rPiPëPSC_rC- C₇P_μC₇C₇C₇.

PhC₇PSPsPIPSC- C₇C_rPrPëPSPSC- PiPsPrC-C— P·P^o PiC₇C_rPiP^oPjPë
 P»C-PeC_rPIP^oPSPSC₇ C_r PIC₇C-C... C₇H^oPSP_rPsPjC-P·PsPIP^oPSPëC...
 PiP^oC_rC-C^oPSC,C-PI C_r PrPsC_rP»C-PrP_μPSPSC- SHARP^a.

P₇P^oP±P»PëC_rC₇ 2.

P P _μ P·C _r P»C ₇ C,P ^o C, P _μ P·P _μ C,PëPjC-P± 10 PjPi C _r PePsPjP±C-PSP ^o C _r C-C— P· C ₇ PëPjPIP ^o C _r C,P ^o C,PëPSPsPj 20 PjPi (N = 4650)	P _μ P·P _μ C,PëPjC-P± 10 PjPi C _r PePsPjP±C-PSP ^o C _r C-C— P· C ₇ PëPjPIP ^o C _r C,P ^o C,PëPSPsPj 20 PjPi (N = 4650)	P _μ P»P ^o C _r P _μ P±Ps (N = 4620)	P ₇ PiC-PIPiC-PrPSPsC _r PSPSC ₇ P C ₇ PëP·PëPeC _r (95 % P ^o P _i)	P·PSP ^o C _r PSPSC ₇ P C ₇ PëP·PëPeC _r
PhC ₇ PSPsPIPSC- C ₇ C _r PrPëPSPSC- PiPsPrC-C—	701 (15,1 %)	814 (17,6 %)	0,85 (0,77 в ₇ 0,94)	0,001
P ₇ P _μ P»P _μ C,P ^o P»C ₇ PsPëPN ₂ P _r P ₇	134 (2,9 %)	159 (3,4 %)	0,84 (0,66 в ₇ 1,05)	0,12
P—C _r PiPëPSPeP ^o C ₇ P _μ C ₇ C ₇ C ₇	253 (5,4 %)	272 (5,9 %)	0,93 (0,78 в ₇ 1,10)	0,38
P ^o C _r PrC ₇ C-C ₇ PePëPN ₂ C-PSC _r C _r P»C ₇ C,	171 (3,7 %)	210 (4,5 %)	0,81 (0,66 в ₇ 0,99)	0,038
P ₇ P _μ PiP _μ PjPsC ₇ P ^o PiC-C _r PSPëPN ₂ C-PSC _r C _r P»C ₇ C,	131 (2,8 %)	174 (3,8 %)	0,75 (0,60 в ₇ 0,94)	0,011
P ^o P _μ PjPsC ₇ P ^o PiC-C _r PSPëPN ₂ C-PSC _r C _r P»C ₇ C,	45 (1,0 %)	37 (0,8 %)	1,21 (0,78 в ₇ 1,86)	0,40
P ^o C _r PrC ₇ C-C ₇ PeP ^o C ₇ P _μ PIP ^o C _r PeC _r P»C ₇ C ₇ PëP·P ^o C _r C-C ₇	284 (6,1 %)	352 (7,6 %)	0,79 (0,68 в ₇ 0,93)	0,004

PhCfPSPsPIPSC- P°C,PμCfPSCfPeP»PμCfPSC,PëCfPSC- PiPsPrC-C— (PhPhPμ) ^b	526 (11,3 %)	619 (13,4 %)	0,83 (0,74 вЂ” 0,94)	0,002
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a PhPSP°P»C-P· PIC-PrPiPsPIC-PrPSPs PrPs PiPsCfP°C,PePsPIPs
PiCfPëP·PSP°CfPμPSPsPiPs P»C-PeCrPIP°PSPSCf PrP»Cf PICfC-C...
PiP°CfC-C”PSC,C-PI SHARP, CfP°PSPrPsPjC-P·PsPIP°PSPëC... PrP»Cf PiCfPëPNëPsPjCf
PμP·PμC,PëPjC-P±Cf PI PePsPjP±C-PSP°CfC-C— P· CfPëPjPIP°CfC,P°C,PëPSPsPj P°P±Ps
PiP»P°CfPμP±Ps CfPe PSP° PiPsCfP°C,PePsPIPsPjCf PμC,P°PiC-, C,P°Pe C- CfPμCfPμP·
1 CfC-Pe.

b PhPhPμ; PIPëP·PSP°CfP°C”C,ChCfCf CfPe PePsPjP±C-PSP°CfC-Cf
PSPμP»PμC,P°P»ChPSPsPiPs C-PSC,„P°CfPeC,Cf PjC-PsPeP°CfPrP°, PePsCfPSPSP°CfPSPsC—
CfPjPμCfC,C-, PSPμPiPμPjPsCfP°PiC-CfPSPsPiPs C-PSCfCfP»ChC,Cf P°P±Ps P±CfPrCh-
CfPePsC— CfPμPIP°CfPeCfP»CfCfPëP·P°CfC-C—.

PhP±CfPsP»ChC,PSPμ P·PSPëPfPμPSPSCf CfC-PIPSCf C...PsP»PμCfC,PμCfPëPSCf P»PμPkp©,
PrPsCfCfPiPSCfC,PsPiPs PμP·PμC,PëPjC-P±PsPj Cf PePsPjP±C-PSP°CfC-C— P·
CfPëPjPIP°CfC,P°C,PëPSPsPj, P±CfP»Ps PSPëPfCfPëPj CfPμCfPμPr PiP°CfC-C”PSC,C-PI P·
PSPëPfCfPëPj PiPsCfP°C,PePsPIPëPj CfC-PIPSPμPj PfPŸ P»PμPkp©
(< 2,5 PjPjPsP»Ch/P») C,P° PiP°CfC-C”PSC,C-PI, CfPeC- PsC,CfPëPjCfPIP°P»Pë PrC-P°P»C-P·
PSP° PiPsCfP°C,PePsPIPsPjCf PμC,P°PiC-, PSC-Pf Cf C-PSCëPëC... PiP°CfC-C”PSC,C-PI, P°
PIC-PrPiPsPIC-PrPSPμ P·PSPëPfPμPSPSCf CfPëP·PëPeCf PI CfPëC... PrPIPsC... PiCfCfPiP°C...
P±CfP»Ps PiPsCfP»P°P±P»PμPSPs.

P”PsPjPsP·PëPiPsC,PSP° CfC-PjPμPNëPSP° PiC-PiPμCfC...PsP»PμCfC,PμCfPëPSPμPjC-Cf
(P”PsPŸP”)

Pj PiPsPrPIC-PNëPSPsPjCf CfP»C-PiPsPjCf CfP°PSPrPsPjC-P·PsPIP°PSPsPjCf 12-
C,PëPfPSPμPIPsPjCf PrPsCfP»C-PrPfPμPSPSC- PIP·CfP»Pë CrCfP°CfC,Ch 50
PiP°CfC-C”PSC,C-PI P· PeP»C-PSC-CfPSPëPj C,P°/P°P±Ps PiPμPSPsC,PëPiPsPIPëPj
PrC-P°PiPSPsP·PsPj P”PsPŸP”, CfPeC- PsC,CfPëPjCfPIP°P»Pë P°C,PsCfPIP°CfC,P°C,PëPS
P°P±Ps CfPëPjPIP°CfC,P°C,PëPS (40 PjPi) P· P°P±Ps P±PμP· CfCfPiCfC,PSChPsPiPs
P°C,„PμCfPsP·Cf P»PμPkp©. P·P·PμC,PëPjC-P± CfCfPiCfC,PSChPs P·
P°C,PsCfPIP°CfC,P°C,PëPSPsPj (40 P°P±Ps 80 PjPi) P°P±Ps CfPëPjPIP°CfC,P°C,PëPSPsPj (40
P°P±Ps 80 PjPi) P·PSP°CfPSPs P·PSPëP·PëPI CfC-PIPμPSCh PfPŸ P»PμPkp© PSP° 15 %
PiPsCfC-PIPSCfPSPs P·C- P·P±C-P»ChCëPμPSPSCfPj PrPsP·Pë CfPëPjPIP°CfC,P°C,PëPSCf
P°P±Ps PjPsPSPsC,PμCfP°PiC-C”Ch P°C,PsCfPIP°CfC,P°C,PëPSPsPj PIC-Pr 40 PrPs
80 PjPi.

P”PsPjPsP·PëPiPsC,PSP° CfPëC,PsCfC,PμCfPsP»PμPjC-Cf (C,„C-C,PsCfC,PμCfPsP»PμPjC-Cf)

Pj PiPsPrPIC-PNëPSPsPjCf CfP»C-PiPsPjCf PiP»P°CfPμP±Ps-PePsPSC,CfPsP»ChPsPIP°PSPsPjCf
8-C,PëPfPSPμPIPsPjCf PrPsCfP»C-PrPfPμPSPSC- 37 PiP°CfC-C”PSC,C-PI C-P·
PiPsPjPsP·PëPiPsC,PSPsCh CfPëC,PsCfC,PμPSPsPμPjC-C”Ch P±CfP»Pë
CfP°PSPrPsPjC-P·PsPIP°PSC- PrP»Cf PiCfPëPNëPsPjCf PμP·PμC,PëPjC-P±Cf 10 PjPi (n = 30)
P°P±Ps PiP»P°CfPμP±Ps (n = 7). P”PμCfPeC- PiP°CfC-C”PSC,Pë PsC,CfPëPjCfPIP°P»Pë
C-PSCëPμ P»C-PeCrPIP°PSPSCf (PSP°PiCfPëPeP»P°Pr, CfC,P°C,PëPSPë, CfPjPsP»Pë).
P·P·PμC,PëPjC-P± P·PSP°CfPSPs P·PSPëP·PëPI PsP±PëPrPIP° PsCfPSPsPIPSC-
CfPsCfP»PëPSPSC- CfC,PμCfPsP»Pë, CfPëC,PsCfC,PμCfPsP» C,P° PeP°PjPiPμCfC,PμCfPsP»,

PIC-PrPīPsPIC-PrPSPs PSP° 21 % C,P° 24 % PīPsCḡC-PIPSCḡPSPs P· PīPsC‡P°C,PePsPIPēPj CḡC-PIPSPμPj. P'PīP»PēPI P·PjPμPSC€PμPSPSCḡ CḡPēC,PsCḡC,PμCḡPsP»Cḡ PSP° P·P°C...PIPSCḡCḡPIP°PSC-CḡC,CH C,P° P»PμC,P°P»CHPSC-CḡC,CH Cḡ C†C-PNē PīPsPīCḡP»CḡC†C-C— PSPμPIC-PrPsPjPēPNē.

PŸC,PμPSPsP· P°PsCḡC,Pē

P"PsCḡP»C-PrPḡPμPSPSCḡ CḡPēPjPIP°CḡC,P°C,PēPSCḡ C,P° PμP·PμC,PēPjC-P±Cḡ PrP»Cḡ P»C-PeCḡPIP°PSPSCḡ CḡC,PμPSPsP·Cḡ P°PsCḡC,Pē (SEAS) Bḡ" C†Pμ P±P°PiP°C,PsC†PμPSC,CḡPsPIPμ PīPsPrPIC-PNēPSPμ CḡP»C-PīPμ PīP»P°C†PμP±Ps-PePsPSC,CḡPsP»CHPsPIP°PSPμ PrPsCḡP»C-PrPḡPμPSPSCḡ CḡPμCḡPμPrPSCḡPsCḡ C,CḡPēPIP°P»C-CḡC,CH
4,4 CḡPsPePē P· CḡC‡P°CḡC,CH 1873 PīP°C†C-C"PSC,C-PI C-P· P±PμP·CḡPēPjPīC,PsPjPSPēPj CḡC,PμPSPsP·PsPj P°PsCḡC,Pē (PŸPḡ), PīC-PrC,PIPμCḡPrPḡPμPSPēPj CḡPμP·CḡP»CHC,P°C,P°PjPē P"PsPīPīP»PμCḡ-PμC...PsPeP°CḡPrC-PsPiCḡP°C,,C-C—, PīCḡPē CḡPeC-PNē CēPIPēPrPeC-CḡC,CH PīPsC,PsPeCḡ PīC-PeCḡ P°PsCḡC,Pē P±CḡP»P° PI PjPμPḡP°C... PIC-Pr 2,5 PrPs 4,0 Pj/Cḡ. P»PēC€Pμ C,C- PīP°C†C-C"PSC,Pē, CḡPeC-, PSP° PrCḡPjPeCḡ P»C-PeP°CḡC-PI, PSPμ PīPsC,CḡPμP±CḡPIP°P»Pē P»C-PeCḡPIP°PSPSCḡ CḡC,P°C,PēPSP°PjPē P· PjPμC,PsCḡ P·PjPμPSC€PμPSPSCḡ CḡPēP·PēPeCḡ P°C,PμCḡPsCḡPeP»PμCḡPsC,PēC‡PSPēC... CḡPμCḡC†PμPIPs-CḡCḡPrPēPSPSPēC... P·P°C...PIPSCḡCḡPIP°PSCḡ, P±CḡP»Pē P·P°CḡP°C...PsPIP°PSC- Cḡ PrPsCḡP»C-PrPḡPμPSPSCḡ. PμP°C†C-C"PSC,Pē P±CḡP»Pē CḡP°PSPPrPsPjC-P·PsPIP°PSC- 1:1 PrP»Cḡ PīCḡPēPNēPsPjCḡ PīP»P°C†PμP±Ps P°P±Ps CḡCḡPīCḡC,PSCHPsPiPs PIPiPμPrPμPSPSCḡ PμP·PμC,PēPjC-P±Cḡ 10 PjPi C,P° CḡPēPjPIP°CḡC,P°C,PēPSCḡ 40 PjPi C%PsPrPμPSPSPs.

PμPμCḡPIPēPSPSPsCḡ PeC-PSC†PμPIPsCḡ C,PsC‡PePsCḡ P±CḡP»P° PePsPjP±C-PSP°C†C-Cḡ PsCḡPSPsPIPSPēC... CḡPμCḡC†PμPIPs-CḡCḡPrPēPSPSPēC... PīPsPrC-PNē (PhPŸPμ), PrPs CḡPePēC... PIC...PsPrPēPI P»PμC,P°P»CHPSPēPNē PSP°CḡP»C-PrPsPe P· PīCḡPēC‡PēPSPē CḡPμCḡC†PμPIPs-CḡCḡPrPēPSPSPsC— PīP°C,PsP»PsPiC-C—, P·P°PjC-PSP° P°PsCḡC,P°P»CHPSPsPiPs PeP»P°PīP°PSP° (P—PḡPḡ), P·P°CḡC,C-PNēPSP° CḡPμCḡC†PμPIP° PSPμPrPsCḡC,P°C,PSC-CḡC,CH (P—PŸPḡ) PIPSP°CḡP»C-PrPsPe PīCḡPsPiCḡPμCḡCḡPIP°PSPSCḡ PŸPḡ, PSPμP»PμC,P°P»CHPSPēPNē C-PSC,,P°CḡPeC, PjC-PsPeP°CḡPrP°, CēCḡPSC,CḡPIP°PSPSCḡ PePsCḡPsPSP°CḡPSPsC— P°CḡC,PμCḡC-C— (PēPḡPḡ), C‡PμCḡPμP·CēPeC-CḡPSPμ PePsCḡPsPSP°CḡPSPμ PIC,CḡCḡC‡P°PSPSCḡ (PḡPḡP'), PīPsCḡPīC-C,P°P»C-P·P°C†C-Cḡ PīCḡPē PSPμCḡC,P°P±C-P»CHPSC-PNē CḡC,PμPSPsPeP°CḡPrC-C— C,P° PSPμPiPμPjPsCḡP°PiC-C‡PSPēPNē C-PSCḡCḡP»CHC,, PḡP»CHC‡PsPIPēPjPē PIC,PsCḡPēPSPSPēPjPē PeC-PSC†PμPIPēPjPē C,PsC‡PeP°PjPē P±CḡP»Pē PePsPjP±C-PSP°C†C-C— PīC-PrPeP»P°CḡC-PI PeP°C,PμPiPsCḡC-PNē PīPsPrC-PNē PīPμCḡPIPēPSPSPēC... PeC-PSC†PμPIPēC... C,PsC‡PsPe.

PμPsCḡC-PIPSCḡPSPs P· PīP»P°C†PμP±Ps, PμP·PμC,PēPjC-P±/CḡPēPjPIP°CḡC,P°C,PēPS 10/40 PjPi PSPμCḡCḡC,C"PIPs P·PSPēP·PēPI CḡPēP·PēPe PhPŸPμ. PμPμCḡPIPēPSPSPēPNē CḡPμP·CḡP»CHC,P°C, CḡPīPsCḡC,PμCḡC-PiP°PICḡCḡ Cḡ 333 PīP°C†C-C"PSC,C-PI (35,3 %) Cḡ PīCḡCḡPīC- PμP·PμC,PēPjC-P±Cḡ/CḡPēPjPIP°CḡC,P°C,PēPSCḡ C,P° Cḡ 355 PīP°C†C-C"PSC,C-PI (38,2 %) Cḡ PīCḡCḡPīC- PīP»P°C†PμP±Ps (PIC-PrPSPsC€PμPSPSCḡ CḡPēP·PēPeCḡ PI PīCḡCḡPīC- PμP·PμC,PēPjC-P±Cḡ/CḡPēPjPIP°CḡC,P°C,PēPSCḡ 0,96; 95 % PrPsPIC-CḡC‡PēPNē C-PSC,PμCḡPIP°P», PIC-Pr 0,83 PrPs 1,12; Cḡ = 0,59). P—P°PjC-PSP° P°PsCḡC,P°P»CHPSPsPiPs PeP»P°PīP°PSP° P±CḡP»P° PīCḡPsPIPμPrPμPSP° Cḡ 267 PīP°C†C-C"PSC,C-PI (28,3 %) Cḡ PīCḡCḡPīC—

$P_{\mu}P \cdot P_{\mu}C, P\ddot{e}PjC - P \pm C\acute{r} / C\acute{r}P\ddot{e}PjPIP^{\circ}C\acute{r}C, P^{\circ}C, P\ddot{e}PSC\acute{r}C, P^{\circ}C\acute{r} 278 P\ddot{e}P^{\circ}C\ddot{+}C - C''PSC, C - PI (29,9 \%) C\acute{r}$
 $PiC\check{H}C\acute{r}P\ddot{e}C - P\ddot{e}P^{\circ}C\ddot{+}P_{\mu}P \pm Ps (PIC - PrPSPsC\acute{e}P_{\mu}PSPSC\check{U} C\check{H}P\ddot{e}P \cdot P\ddot{e}P\acute{e}C\acute{r} 1,00; 95 \% P''P\ddot{+}, PIC - Pr$
 $0,84 PrPs 1,18; C\check{H} = 0,97). P_{\check{H}}P_{\mu}PSC\acute{e}P_{\mu} P\ddot{e}P^{\circ}C\ddot{+}C - C''PSC, C - PI PjP^{\circ}P \gg P\ddot{e}C - C\acute{e}P_{\mu}PjC - C\ddot{+}PSC -$
 $C\acute{r}P_{\mu}C\check{H}C\ddot{+}P_{\mu}PIPs - C\acute{r}C\acute{r}PrP\ddot{e}PSPSC - P\ddot{e}PsPrC - C - PI PiC\check{H}C\acute{r}P\ddot{e}C -$
 $P_{\mu}P \cdot P_{\mu}C, P\ddot{e}PjC - P \pm C\acute{r} / C\acute{r}P\ddot{e}PjPIP^{\circ}C\acute{r}C, P^{\circ}C, P\ddot{e}PSC\acute{r} (n = 148), PSC - P\check{U} C\acute{r} PiC\check{H}C\acute{r}P\ddot{e}C -$
 $P\ddot{e}P^{\circ}C\ddot{+}P_{\mu}P \pm Ps (n = 187) (PIC - PrPSPsC\acute{e}P_{\mu}PSPSC\check{U} C\check{H}P\ddot{e}P \cdot P\ddot{e}P\acute{e}C\acute{r}, 0,78; 95 \% P''P\ddot{+}, PIC - Pr 0,63$
 $PrPs 0,97; p = 0,02), PiPsP \gg PsPIPsP\ddot{e}Pj C\ddot{+}P\ddot{e}PSPsPj C\ddot{+}P_{\mu}C\check{H}P_{\mu}P \cdot PjP_{\mu}PSC\acute{e}C\acute{r}$
 $PeC - P \gg CHPeC - C\acute{r}C, CH P\ddot{e}P^{\circ}C\ddot{+}C - C''PSC, C - PI, C\check{U}PeC - P\ddot{e}P_{\mu}C\check{H}P_{\mu}PSP_{\mu}C\acute{r}P \gg P\ddot{e}$
 $C\acute{e}C\acute{r}PSC, C\acute{r}PIP^{\circ}PSPSC\check{U} PePsC\check{H}PsPSP^{\circ}C\check{H}PSPsC - P^{\circ}C\check{H}C, P_{\mu}C\check{H}C - C -$

$P P^{\circ}Pe C\acute{r}P\ddot{e}PsC\acute{r}C, P_{\mu}C\check{H}C - P\ddot{e}P^{\circ}PIC\acute{r}C\check{U} C\ddot{+}P^{\circ}C\acute{r}C, C - C\acute{e}P_{\mu} C\acute{r} PiC\check{H}C\acute{r}P\ddot{e}C -$
 $P_{\mu}P \cdot P_{\mu}C, P\ddot{e}PjC - P \pm C\acute{r} / C\acute{r}P\ddot{e}PjPIP^{\circ}C\acute{r}C, P^{\circ}C, P\ddot{e}PSC\acute{r} (105 P\ddot{e}C\check{H}PsC, P\ddot{e} 70, C\check{H} = 0,01).$
 $P_{\check{L}}P \gg C - PSC - C\ddot{+}PSP^{\circ} P \cdot PSP^{\circ}C\ddot{+}C\acute{r}C\%_oC - C\acute{r}C, CH C\ddot{+}CHPsPiPs C\acute{r}P\ddot{e}PsC\acute{r}C, P_{\mu}C\check{H}P_{\mu}P\check{U}P_{\mu}PSPSC\check{U}$
 $C'' PSP_{\mu}PIP\ddot{e}P \cdot PSP^{\circ}C\ddot{+}P_{\mu}PSPsC\check{H}, PsC\acute{r}PeC - P \gg CHPeP\ddot{e} PI PrPsC\acute{r}P \gg C - PrP\check{U}P_{\mu}PSPSC - SHARP$
 $P \pm C - P \gg CHC\acute{e}P^{\circ} PeC - P \gg CHPeC - C\acute{r}C, CH P\ddot{e}P^{\circ}C\ddot{+}C - C''PSC, C - PI P \cdot P \pm C\acute{r}PrCH - C\check{U}PeP\ddot{e}Pj$
 $C\acute{r}P\ddot{e}P_{\mu}C\check{H}C\acute{e}P_{\mu} PIP\ddot{e}C\check{U}PIP \gg P_{\mu}PSP\ddot{e}Pj C\check{H}P^{\circ}PePsPj (438 C\acute{r} PiC\check{H}C\acute{r}P\ddot{e}C -$
 $P_{\mu}P \cdot P_{\mu}C, P\ddot{e}PjC - P \pm C\acute{r} / C\acute{r}P\ddot{e}PjPIP^{\circ}C\acute{r}C, P^{\circ}C, P\ddot{e}PSC\acute{r} C, P^{\circ} 439 PI PiC\check{H}C\acute{r}P\ddot{e}C - P\ddot{e}P^{\circ}C\ddot{+}P_{\mu}P \pm Ps) PSP_{\mu}$
 $PIC - PrC\check{H}C - P \cdot PSC\check{U}P \gg P\ddot{e}C\acute{r}C\check{U}. P_{\check{L}}C\check{H}C - Pj C, PsPiPs, C\acute{r} PrPsC\acute{r}P \gg C - PrP\check{U}P_{\mu}PSPSC - IMPROVE-IT$
 $P \cdot P^{\circ}PiP^{\circ}P \gg CHPSP^{\circ} PeC - P \gg CHPeC - C\acute{r}C, CH P\ddot{e}P^{\circ}C\ddot{+}C - C''PSC, C - PI P \cdot P \pm C\acute{r}PrCH - C\check{U}PePsC\check{H}$
 $PSPsPIPsC\check{H} P \cdot P \gg PsC\check{U}PeC - C\acute{r}PSPsC\check{H} P\ddot{e}C\acute{r}C...P \gg P\ddot{e}PSPsC\check{H} (853 C\acute{r} PiC\check{H}C\acute{r}P\ddot{e}C -$
 $P_{\mu}P \cdot P_{\mu}C, P\ddot{e}PjC - P \pm C\acute{r} / C\acute{r}P\ddot{e}PjPIP^{\circ}C\acute{r}C, P^{\circ}C, P\ddot{e}PSC\acute{r} C, P^{\circ} 863 C\acute{r} PiC\check{H}C\acute{r}P\ddot{e}C -$
 $C\acute{r}P\ddot{e}PjPIP^{\circ}C\acute{r}C, P^{\circ}C, P\ddot{e}PSC\acute{r}) C - C\acute{r}C, PsC, PSPs PSP_{\mu} PIC - PrC\check{H}C - P \cdot PSC\check{U}P \gg P^{\circ}C\acute{r}C\check{U}, C -$
 $C, PsPjC\acute{r} P\ddot{e}PsC\acute{e}C\acute{r}Pe C\check{H}P_{\mu}P \cdot C\acute{r}P \gg CHC, P^{\circ}C, C - PI PrPsC\acute{r}P \gg C - PrP\check{U}P_{\mu}PSPSC\check{U} SEAS PSP_{\mu}$
 $PjPsP\check{U}P_{\mu} P \pm C\acute{r}C, P\ddot{e} P\ddot{e}C - PrC, PIP_{\mu}C\check{H}PrP\check{U}P_{\mu}PSP\ddot{e}P_{\check{N}} PrPsC\acute{r}P \gg C - PrP\check{U}P_{\mu}PSPSC\check{U}Pj SHARP$
 $P^{\circ}P \pm Ps IMPROVE-IT.$

$P_{\check{X}}P^{\circ}C\check{H}PjP^{\circ}PePsPeC - PSP_{\mu}C, P\ddot{e}C\ddot{+}PSC - PIP \gg P^{\circ}C\acute{r}C, P\ddot{e}PIP sC\acute{r}C, C -$

$P_{\check{H}}P \pm C\acute{r}PsC\check{H}P \pm C\ddot{+}C - C\check{U}. P_{\check{U}}C - C\acute{r}P \gg C\check{U} P\ddot{e}C\check{H}P\ddot{e}P_{\check{N}}PsPjC\acute{r} PIPSC\acute{r}C, C\check{H}C - C\acute{e}PSC\check{H}Ps$
 $P_{\mu}P \cdot P_{\mu}C, P\ddot{e}PjC - P \pm C\acute{e}PIP\ddot{e}PrPePs PIC\acute{r}PjPsPeC, C\acute{r}C''C, CHC\acute{r}C\check{U} C, P^{\circ} P^{\circ}PeC, P\ddot{e}PIPSPs$
 $PePsPS\check{B}\check{H}^{\text{TM}} C\check{H}PiC\acute{r}C'' P \cdot C\acute{r}C, PIPsC\check{H}P_{\mu}PSPSC\check{U}Pj C,, P^{\circ}C\check{H}PjP^{\circ}PePsP \gg PsPiC - C\ddot{+}PSPs$
 $P^{\circ}PeC, P\ddot{e}PIPSPsPiPs C,, P_{\mu}PSPsP \gg CHPSPsPiPs PiP \gg CHPeC\acute{r}C\check{H}PsPSC - PrC\acute{r} (P_{\mu}P \cdot P_{\mu}C, P\ddot{e}PjC - P \pm -$
 $PiP \gg CHPeC\acute{r}C\check{H}PsPSC - Pr). B P\check{Y}P_{\mu}C\check{H}P_{\mu}PrPSC\check{U} PjP^{\circ}PeC\acute{r}P\ddot{e}PjP^{\circ}P \gg CHPSP^{\circ}$
 $PePsPSC\ddot{+}P_{\mu}PSC, C\check{H}P^{\circ}C\ddot{+}C - C\check{U} (P\check{Y}mP^{\circ}C...) C\acute{r} P\ddot{e}P^{\circ}P \cdot PjC - PeC\check{H}PsPIC -$
 $PrPsC\acute{r}C\check{U}PiP^{\circ}C''C, CHC\acute{r}C\check{U} C\ddot{+}P_{\mu}C\check{H}P_{\mu}P \cdot 1 B\check{H}'' 2 PiPsPrP\ddot{e}PSP\ddot{e} PrP \gg C\check{U} P_{\mu}P \cdot P_{\mu}C, P\ddot{e}PjC - P \pm C\acute{r} -$
 $PiP \gg CHPeC\acute{r}C\check{H}PsPSC - PrC\acute{r} C - C\ddot{+}P_{\mu}C\check{H}P_{\mu}P \cdot 4 B\check{H}'' 12 PiPsPrP\ddot{e}PSP\ddot{e} PrP \gg C\check{U} P_{\mu}P \cdot P_{\mu}C, P\ddot{e}PjC - P \pm C\acute{r}.$
 $P_{\check{H}}P \pm C\acute{r}PsP \gg CHC, PSC\acute{r} P \pm C - PsPrPsC\acute{r}C, C\acute{r}PiPSC - C\acute{r}C, CH P_{\mu}P \cdot P_{\mu}C, P\ddot{e}PjC - P \pm C\acute{r}$
 $PIP\ddot{e}P \cdot PSP^{\circ}C\ddot{+}P\ddot{e}C, P\ddot{e} PSP_{\mu}PjPsP\check{U}P \gg P\ddot{e}PIPs, PsC\acute{r}PeC - P \gg CHPeP\ddot{e} C\ddot{+}C\check{U} C\acute{r}P\ddot{e}PsP \gg C\acute{r}PeP^{\circ}$
 $PSP_{\mu}C\check{H}PsP \cdot C\ddot{+}P\ddot{e}PSPSP^{\circ} C\acute{r} PIPsPrPSPsPjC\acute{r} C\acute{r}P_{\mu}C\check{H}P_{\mu}PrPsPIP\ddot{e}C\%_oC -, P\ddot{e}C\check{H}P\ddot{e}PrP^{\circ}C, PSPsPjC\acute{r}$
 $PrP \gg C\check{U} C - PS\check{B}\check{H}^{\text{TM}} C''PeC\ddot{+}C - P_{\check{N}}.$

$P_{\check{H}}PrPSPsC\ddot{+}P^{\circ}C\acute{r}PSP\ddot{e}P_{\check{N}} P\ddot{e}C\check{H}P\ddot{e}P_{\check{N}}PsPj C - P\check{U}C - (P \cdot PSP\ddot{e}P \cdot CHPeP\ddot{e}Pj P^{\circ}P \pm Ps PIP\ddot{e}C\acute{r}PsPeP\ddot{e}Pj$
 $PIPjC - C\acute{r}C, PsPj P\check{U}P\ddot{e}C\check{H}C\acute{r}) PSP_{\mu} PIP\ddot{e}P \gg P\ddot{e}PIP^{\circ}C'' PSP^{\circ} P\ddot{e}P_{\mu}C\check{H}PsC\check{H}P^{\circ}P \gg CHPSC\acute{r}$
 $P \pm C - PsPrPsC\acute{r}C, C\acute{r}PiPSC - C\acute{r}C, CH P_{\mu}P \cdot P_{\mu}C, P\ddot{e}PjC - P \pm C\acute{r}. P \cdot P \cdot P_{\mu}C, P\ddot{e}PjC - P \pm PjPsP\check{U}PSP^{\circ}$
 $P\ddot{e}C\check{H}P\ddot{e}P_{\check{N}}PjP^{\circ}C, P\ddot{e} PSP_{\mu}P \cdot P^{\circ}P \gg P_{\mu}P\check{U}PSPs PIC - Pr P\ddot{e}C\check{H}P\ddot{e}P_{\check{N}}PsPjC\acute{r} C - P\check{U}C -$

$P PsP \cdot PiPsPrC - P \gg. P \cdot P \cdot P_{\mu}C, P\ddot{e}PjC - P \pm C, P^{\circ} P_{\mu}P \cdot P_{\mu}C, P\ddot{e}PjC - P \pm - PiP \gg CHPePsC\check{H}PsPSC - Pr$
 $P \cdot PiB\check{H}^{\text{TM}} C\check{U}P \cdot C\acute{r}CHC, CHC\acute{r}C\check{U} P \cdot P \pm C - P \gg PeP^{\circ}PjP\ddot{e} PiP \gg P^{\circ}P \cdot PjP\ddot{e} PeC\check{H}PsPIC -$
 $P \gg CHPrP\ddot{e}PSP\ddot{e} PSP^{\circ}$
 $99,7 \% C, P^{\circ} 88 B\check{H}'' 92 \% PIC - PrPiPsPIC - PrPSPs.$

P_hP_μC, P°P±PsP»C-P·Pj. P_μP_μC_hPIPëPSPSPëPN₂ PjP_μC, P°P±PsP»C-P·Pj
P_μP·P_μC, PëPjC-P±C₁ PIC-PrP±C₁PIP°C₁C, CHC₁C₁ PI C, PsPSPePsPjC₁
PePëCëP_μC±PSPëPeC₁ C- P_iP_μC±C-PSC₁C- CëP»C₁C...PsPj PePsPSB_hTM C_hPiP°C₁C-C— P·
PiP»C_hPeC₁C_hPsPSC-PrPsPj (C_hP_μP°PeC₁C-C₁ II C₁, P°P·Pë) P· P_iPsPrP°P»CHCëPëPj
PIPëPIP_μPrP_μPSPSC₁Pj C-P· P₁PsPIC±C_h. P_hC-PSC-PjP°P»CHPSPëPN₂ PsPePëC₁PSPëPN₂
PjP_μC, P°P±PsP»C-P·Pj (C_hP_μP°PeC₁C-C₁ I C₁, P°P·Pë) C₁P_iPsC₁C, P_μC_hC-PiP°PIC₁C₁
PSP° PIC₁C-C... P_μC, P°PiP°C... C, C_hP°PSC₁C₁, PsC_hPjP°C₁C-C—. P·P·P_μC, PëPjC-P± C, P°
P_μP·P_μC, PëPjC-P±-PiP»C_hPeC₁C_hPsPSC-Pr C₁ PsC₁PSPsPIPSPëPjPë
C_hP_μC±PsPIPëPSP°PjPë, C%₀Ps PIPëP·PSP°C±P°C_hC, CHC₁C₁ C₁ PiP»P°P·PjC-
PeC_hPsPIC-, C, P° C₁C, P°PSPsPIP»C₁C, CH PiC_hPëP±P»PëP·PSPs 10 B_h“ 20 % C- 80 B_h“ 90
% PIC-Pr P·P°PiP°P»CHPSPsPiPs PIPjC-C₁C, C₁ PiC_hP_μPiP°C_hP°C, C₁ C₁ PiP»P°P·PjC-
PIC-PrPiPsPIC-PrPSPs. P·P·P_μC, PëPjC-P± C, P° P_μP·P_μC, PëPjC-P±-
PiP»C_hPeC₁C_hPsPSC-Pr PiPsPIC-P»CHPSPs PIPëPIPsPrC₁C, CHC₁C₁ P· PiP»P°P·PjPë
PeC_hPsPIC- PI PiC_hPsC₁P_μC₁C- PePëCëPePsPIPs-PiP_μC±C-PSPePsPIPsC—
C_hP_μC₁PëC_hPeC₁P»C₁C₁C-C—. P_μP_μC_hC-PsPr PSP°PiC-PIPIPëPIP_μPrP_μPSPSC₁
P_μP·P_μC, PëPjC-P±C₁ C, P° P_μP·P_μC, PëPjC-P±C₁-PiP»C_hPeC₁C_hPsPSC-PrC₁
C₁C, P°PSPsPIPëC, CH PiC_hPëP±P»PëP·PSPs 22 PiPsPrPëPSPë.

P'PëPIP_μPrP_μPSPSC₁. P_μC-C₁P»C₁ PiC_hPëPN₂PsPjC₁ PrPsP±C_hPsPIPsP»CHC₁C₁PjPë
PIPSC₁C, C_hC-CëPSC_hPs 20 PjPi ¹⁴P_h-P_μP·P_μC, PëPjC-P±C₁ C₁ PiP»P°P·PjC- PeC_hPsPIC-
P±C₁P»Ps PIPëC₁PIP»P_μPSPs PiC_hPëP±P»PëP·PSPs 93 % C₁C₁PjP°C_hPSPsPiPs
P_μP·P_μC, PëPjC-P±C₁ PIC-Pr P·P°PiP°P»CHPSPsC— C_hP°PrC-PsP°PeC, PëPIPSPsC₁C, C-
PiP»P°P·PjPë. P_μC_hPëP±P»PëP·PSPs 78 % C- 11 % PiC_hPëPN₂PSC₁C, PsC—
C_hP°PrC-PsP°PeC, PëPIPSPsC— PrPsP·Pë P±C₁P»Ps PIPëPIP_μPrP_μPSPs P· PeP°P»PsPj C-
C₁P_μC±P_μC_h PIC-PrPiPsPIC-PrPSPs PiC_hPsC, C₁PiPsPj 10 PrPSC-PI. P_hP_μC_hP_μ· 48 PiPsPrPëPS
C₁P»C-PrPë C_hP°PrC-PsP°PeC, PëPIPSPsC₁C, C- C₁ PiP»P°P·PjC- PeC_hPsPIC- PSP_μ
PIPëC₁PIP»C₁P»PëC₁C₁.

P_hC₁PsP±P»PëPIC- PiC_hC₁PiPë PiP°C₁C-C₁PSC, C-PI

P°C-C, Pë

P_μP°C_hPjP°PePsPeC-PSP_μC, PëPeP° P_μP·P_μC, PëPjC-P±C₁ C₁C...PsP₁P° C₁ PrC-C, P_μPN₂
PIC-PePsPj PIC-Pr 6 C_hPsPeC-PI C- PrPsC_hPsC₁P»PëC....
P_μP°C_hPjP°PePsPeC-PSP_μC, PëC±PSPëC... PrP°PSPëC... C%₀PsPrPs
P·P°C₁C, PsC₁C₁PIP°PSPSC₁ PrC-C, C₁Pj PIC-PePsPj PrPs 6 C_hPsPeC-PI PSP_μPjP°C₁”.
P_hP»C-PSC-C±PSPëPN₂ PrPsC₁PIC-Pr C₁ PrC-C, P_μPN₂ C- PiC-PrP»C-C, PeC-PI
PIPeP»C_hC±P°C₁ PiP°C₁C-C₁PSC, C-PI P· P°PsP_hP°, P°P_μP_hP° P°P±Ps
C₁PëC, PsC₁C, P_μC_hPëPSP_μPjC-C₁C_h.

P_μP°C₁C-C₁PSC, Pë P»C-C, PSCH_hPsPiPs PIC-PeC₁

Pj PiP°C₁C-C₁PSC, C-PI P»C-C, PSCH_hPsPiPs PIC-PeC₁ (PiPsPSP°Pr 65 C_hPsPeC-PI)
PePsPSC₁P_μPSC, C_hP°C₁C-C₁ C₁ PiP»P°P·PjC- PeC_hPsPIC- P·P°PiP°P»CHPSPsPiPs
P_μP·P_μC, PëPjC-P±C₁ PiC_hPëP±P»PëP·PSPs PIP₁PIC-C±C- PIPëC%₀P°, PSC-P₁ C₁
PjPsP»PsPrCëPëC... PiP°C₁C-C₁PSC, C-PI (18 B_h“ 45 C_hPsPeC-PI). P—PSPëP₁P_μPSPSC₁ P₁P_h
P»P_μP_hP° C- PiC_hPsC₁, C-P»CH P±P_μP·PiP_μPePë PiC_hPëP±P»PëP·PSPs PsPrPSP°PePsPIC- C₁
PiP°C₁C-C₁PSC, C-PI P»C-C, PSCH_hPsPiPs PIC-PeC₁ C- PjPsP»PsPrPëC... PiP°C₁C-C₁PSC, C-PI,
C₁PeC- PiC_hPëPN₂PjP°C_hC, CH P_μP·P_μC, PëPjC-P±.B P_hPsPjC₁ PrP»C₁ PiP°C₁C-C₁PSC, C-PI

P»C-C,PSCHbPsPiPs PIC-PeCr PSPµPjP°C” PīPsC,CHPµP±Pë PI PePsCHPµPeC†C-C— PrPsP·Pë.

PµPµC‡C-PSPePsPIP° PSPµPrPsCÍC,P°C,PSC-CÍC,CH

PµC-CÍP»CÍ PsPrPSPsCHP°P·PsPIPsPiPs PīCHPëPNëPsPjCr 10 PjPi PµP·PµC,PëPjC-P±Cr
P·PSP°C‡PµPSPSCÍ CÍPµCHPµPrPSCbPsC— PīP»PsC%oC- PīC-Pr PeCHPëPIPsCH
B«PePsPSC†PµPSC,CHP°C†C-CÍ BĤ” C‡P°CÍB» (PĤUC) PrP»CÍ P·P°PiP°P»CHbPSPsPiPs
PµP·PµC,PëPjC-P±Cr P±CrP»Ps PI 1,7 CHP°P·P° PIPëC%oPëPj Cr PīP°C†C-C”PSC,C-PI C-P·
PīPµC‡C-PSPePsPIPsCH PSPµPrPsCÍC,P°C,PSC-CÍC,CH P»PµPiPePsPiPs CÍC,CrPīPµPSCÍ (5 BĤ”
6 P±P°P»C-PI P·P° CëPeP°P»PsCH PŞP°PNëP»PrP°-PµBĤ™ CH), PSC-P¶ Cr P·PrPsCHPµPIPëC...
PrPsP±CHPµPIPsP»CHC†C-PI. PµCHPµC,CÍPiPsPj 14-PrPµPSPSPsPiPs
PrPsCÍP»C-PrP¶PµPSPSCÍ P· P±P°PiP°C,PsCHP°P·PsPIPëPj PīCHPëPNëPsPjPsPj
PµP·PµC,PëPjC-P±Cr (PīPs 10 PjPi C%oPsPrPSCÍ) Cr PīP°C†C-C”PSC,C-PI C-P·
PīPµC‡C-PSPePsPIPsCH PSPµPrPsCÍC,P°C,PSC-CÍC,CH PīPsPjC-CHPSPsPiPs CÍC,CrPīPµPSCÍ
(7 BĤ” 9 P±P°P»C-PI P·P° CëPeP°P»PsCH PŞP°PNëP»PrP°-PµBĤ™ CH) P·PSP°C‡PµPSPSCÍ AUC
PrP»CÍ P·P°PiP°P»CHbPSPsPiPs PµP·PµC,PëPjC-P±Cr P·CHPµCÍC,P°P»Ps PīCHPëP±P»PëP·PSPs PI
4 CHP°P·Pë PI 1-PNë C,P° 14-PNë PrPµPSCb PīPsCHC-PIPSCÍPSPs P· C,P°PePëPj
PīPsPeP°P·PSPëPePsPj Cr P·PrPsCHPµPIPëC... PrPsP±CHPµPIPsP»CHC†C-PI. PµP°C†C-C”PSC,P°Pj
C-P· PīPµC‡C-PSPePsPIPsCH PSPµPrPsCÍC,P°C,PSC-CÍC,CH P»PµPiPePsPiPs CÍC,CrPīPµPSCÍ
PePsCHPµPeC†C-CÍ PrPsP·Pë PSPµ PīPsC,CHC-P±PSP°. PhCÍPeC-P»CHPePë PµC,,PµPeC,Pë
PīC-PrPIPëC%oPµPSPsPiPs PIPjC-CÍC,Cr PµP·PµC,PëPjC-P±Cr Cr PīP°C†C-C”PSC,C-PI C-P·
PīPµC‡C-PSPePsPIPsCH PSPµPrPsCÍC,P°C,PSC-CÍC,CH PīPsPjC-CHPSPsPiPs P°P±Ps
C,CÍP¶PePsPiPs CÍC,CrPīPµPSCÍ (P±C-P»CHCëPµ 9 P±P°P»C-PI P·P° CëPeP°P»PsCH
PŞP°PNëP»PrP°-PµBĤ™ CH) PSPµPIC-PrPsPjC-, PµP·PµC,PëPjC-P± PSPµ
CHPµPePsPjPµPSPPrPsPIP°PSPëPNë PrP»CÍ P·P°CÍC,PsCÍCrPIP°PSPSCÍ C†C-PNë
PeP°C,PµPiPsCHC-C— PīP°C†C-C”PSC,C-PI (PrPëPI. CHPµP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C-
P·P°CÍC,PsCÍCrPIP°PSPSCÍB»).

PĤPëCHPµPePsPIP° PSPµPrPsCÍC,P°C,PSC-CÍC,CH

PµC-CÍP»CÍ PsPrPSPsCHP°P·PsPIPsPiPs PīCHPëPNëPsPjCr 10 PjPi PµP·PµC,PëPjC-P±Cr Cr
PīP°C†C-C”PSC,C-PI C-P· C,CÍP¶PePsCH PSPëCHPµPePsPIPsCH PSPµPrPsCÍC,P°C,PSC-CÍC,CH
(n = 8; PeP»C-CHPµPSCÍ PeCHPµP°C,PëPSC-PSCr ≤ 30 PjP»/C...PI/1,73 Pj²)
CÍPµCHPµPrPSC” P·PSP°C‡PµPSPSCÍ AUC PrP»CÍ P·P°PiP°P»CHbPSPsPiPs
PµP·PµC,PëPjC-P±Cr P·CHPµCÍC,P°P»Ps PīCHPëP±P»PëP·PSPs PI 1,5 CHP°P·P°
PīPsCHC-PIPSCÍPSPs P· C,P°PePëPj PīPsPeP°P·PSPëPePsPj Cr P·PrPsCHPµPIPëC...
PrPsP±CHPµPIPsP»CHC†C-PI (n = 9). PīPµPNë CHPµP·CrP»CHC,P°C, PSPµ
PIPIP°P¶P°C”C,CHCÍCÍ PeP»C-PSC-C‡PSPs P·PSP°C‡CrC%oPëPj.B P”P»CÍ PīP°C†C-C”PSC,C-PI
C-P· PīPsCHCÍCëPµPSPSCÍPj C,,CrPSPeC†C-C— PSPëCHPµPe PSPµPjP°C” PīPsC,CHPµP±Pë PI
PePsCHPµPeC†C-C— PrPsP·Pë.

P’ PsPrPSPsPiPs PīP°C†C-C”PSC,P° PI C†CHbPsPjCr PrPsCÍP»C-PrP¶PµPSPSC- (CÍPePëPNë PjP°PI
PSPëCHPµPePsPIPëPNë C,CHP°PSCÍPīP»P°PSC,P°C, C- PsC,CHPëPjCrPIP°PI
PjCrP»CHC,PëC,PµCHP°PīC-CH, PI C,PsPjCr C‡PëCÍP»C- C†PëPeP»PsCÍPīPsCHPëPS)
CHC-PIPµPSCb P·P°PiP°P»CHbPSPsPiPs PµP·PµC,PëPjC-P±Cr P±CrPI PIPëC%oPëPNë Cr 12
CHP°P·C-PI.

PŸC,P°C,CH

PµPsPSC†PµPSC,CHP°C†C-CÍ Cr PīP»P°P·PjC- PeCHPµPIC- P·P°PiP°P»CHbPSPsPiPs
PµP·PµC,PëPjC-P±Cr C,CHPµC...Pë PIPëC%oP° (PīCHPëP±P»PëP·PSPs 20 %) Cr P¶C-PSPsPe,

PSC-P¶ Cŕ C‡PsP»PsPIC-PeC-PI. P—PSPëP¶PµPSPSC¶ C¶C-PIPS¶C¶ PŖPŸ P>PµP¶P© C-
PïC¶PsC„C-P»CHß P±PµP·PïPµPePë PïC¶PëP±P»PëP·PSPs PsPrPSP°PePsPIC- PI
C‡PsP»PsPIC-PeC-PI C- P¶C-PSPsPe, C¶PeC- PïC¶PëPNëPjP°C¶C,CHß PµP·PµC,PëPjC-P±.
PŸPsPjCŕ PSPµPjP°C” PïPsC,C¶PµP±Pë PI PePsC¶PµPeC†C-C— PrPsP·Pë P·P°P»PµP¶PSPs PIC-Pr
CŖC,P°C,C-.

РЉР»С-РSC-С‡РSC- С...Р°С¶Р°РeС,РµС¶РeСŖC,РëРeРë.

РµРsРeР°Р·Р°РSPSC¶.

РµРµС¶РIPëPSPSP° PiC-PïPµС¶C...PsP»PµCŖC,РµС¶РëPSPµPjC-C¶

P·P·PµC,PëPjC-P± Cŕ PePsPjP±C-PSP°C†C-C— P· C-PSPiC-P±C-C,PsC¶PsPj C¶PµPrCŕPeC,P°P·Pë
PiC-PrC¶PsPeCŖPëPjPµC,PëP»PiP»CŕC,P°C¶PëP»-PePsPµPSP·PëPjCŕ Ph (P“РҖР”-РҖPsPh)
(CŖC,P°C,PëPS) PïPsPeP°P·P°PSPëPNë C¶Pe PrPsPïPsPjC-P¶PSP° C,РµС¶Р°PïC-C¶ PrPs
PrC-C”C,Pë PrP»C¶ PïP°C†C-C”PSC,C-PI P· PïPµС¶РIPëPSPSPsC¶
(PiPµC,РµС¶РPsP·PëPiPsC,PSPsC¶ CŖC-PjPµPNëPSPsC¶ C,P° PSPµCŖC-PjPµPNëPSPsC¶)
PiC-PïPµС¶C...PsP»PµCŖC,РµС¶РëPSPµPjC-C”C¶, C¶PeC%Ps C,РµС¶Р°PïC-C— C,C-P»CHßPePë
CŖC,P°C,PëPSPsPj PSPµPrPsCŖC,P°C,PSCHßPs.

РҖPsPSPsC,РµС¶Р°PïC-C¶ PµP·PµC,PëPjC-P±PsPj PïPsPeP°P·P°PSP° C¶Pe PrPsPïPsPjC-P¶PSP°
C,РµС¶Р°PïC-C¶ PrPs PrC-C”C,Pë PrP»C¶ PïP°C†C-C”PSC,C-PI P· PïPµС¶РIPëPSPSPsC¶
(PiPµC,РµС¶РPsP·PëPiPsC,PSPsC¶ CŖC-PjPµPNëPSPsC¶ C,P° PSPµCŖC-PjPµPNëPSPsC¶)
PiC-PïPµС¶C...PsP»PµCŖC,РµС¶РëPSPµPjC-C”C¶, PrP»C¶ C¶PePëC...
P·P°CŖC,PsCŖCŕPIP°PSPSC¶ CŖC,P°C,PëPSCŕ C” PSPµPrPsC†C-P»CHßPSPëPj P°P±Ps C-CŖPSCŕC”
PNëPsPiPs PSPµPïPµС¶РµPSPsCŖPëPjC-CŖC,CHß.

РµС¶РPsC„C-P»P°PeC,PëPeP° CŖPµС¶C†PµPIPs-CŖC¿PrPëPSPSPëC... PïPsPrC-PNë

P·P·PµC,PëPjC-P± PïPsPeP°P·P°PSPëPNë PrP»C¶ P·PjPµPSC€PµPSPSC¶ C¶PëP·PëPeCŕ
CŖPµС¶C†PµPIPs-CŖCŕPrPëPSPSPëC... PïPsPrC-PNë (PrPëPI. C¶PsP·PrC-P»
B«P°P°C¶PjP°PePsPrPëPSP°PjC-PeP°B») Cŕ PïP°C†C-C”PSC,C-PI P· C-C€PµPjC-C‡PSPsC¶
C...PIPsC¶PsP±PsC¶ CŖPµС¶C†C¶ (P†PŖPŸ) C,P° PiPsCŖC,C¶PëPj PePsC¶PsPSP°C¶PSPëPj
CŖPëPSPŕC¶PsPjPsPj (P“РҖРŸ) PI P°PSP°PjPSPµP·C- PïC¶Pë PrPsPrP°PIP°PSPSC- PrPs
PïPsC,PsC‡PSPsC— C,РµС¶Р°PïC-C— CŖC,P°C,PëPSP°PjPë P°P±Ps P·P°CŖC,PsCŖCŕPIP°PSPSC-
PsPrPSPsC‡P°CŖPSPs P·C- CŖC,P°C,PëPSPsPj.

P”PsPjPsP·PëPiPsC,PSP° CŖC-PjPµPNëPSP°

PiC-PïPµС¶C...PsP»PµCŖC,РµС¶РëPSPµPjC-C¶ (P”PsPŸP”)

P·P·PµC,PëPjC-P± Cŕ PePsPjP±C-PSP°C†C-C— P·C- CŖC,P°C,PëPSPsPj PïPsPeP°P·P°PSPëPNë C¶Pe
PrPsPïPsPjC-P¶PSP° C,РµС¶Р°PïC-C¶ PrPs PrC-C”C,Pë PrP»C¶ PïP°C†C-C”PSC,C-PI C-P·
P“PsPŸP”. PµP°C†C-C”PSC,Pë PjPsP¶CŕC,CHß C,P°PePsP¶ PsC,C¶PëPjCŕPIP°C,Pë
PrPsPrP°C,PePsPIPµ P»C-PeCŕPIP°PSPSC¶ (PSP°PïC¶PëPeP»P°Pr P°C„РµС¶РµP· P>PµP¶P©).

P”PsPjPsP·PëPiPsC,PSP° CŖPëC,PsCŖC,РµС¶РPsP»PµPjC-C¶

(C„C-C,PsCŖC,РµС¶РPsP»PµPjC-C¶)

P·P·PµC,PëPjC-P± PïPsPeP°P·P°PSPëPNë C¶Pe PrPsPïPsPjC-P¶PSP° C,РµС¶Р°PïC-C¶ PrPs
PrC-C”C,Pë PrP»C¶ PïP°C†C-C”PSC,C-PI C-P· PiPsPjPsP·PëPiPsC,PSPsC¶ CŖC-PjPµPNëPSPsC¶

$$C^{\prime}P\ddot{e}C,PsC^{\prime}C,P_{\mu}C\bar{H}PsP\gg P_{\mu}P_jC-C^{\prime\prime}C\bar{H}.$$

PᵤCᵗPₛC,PëPïPₛPₑP°P·P°PSPSCᵗ.

$$\begin{aligned} & \text{P}^{\circ}\text{C}-\text{P}^{\circ}\text{P}_{\mu}\text{C}\ddot{\text{C}}\text{C}\ddot{\text{C}}\text{C}, \text{P} \gg \text{P}\ddot{\text{C}}\text{P}\text{IC}-\text{C}\ddot{\text{C}}\text{C}, \text{CH} \quad \text{PrPs} \quad \text{PrC}-\text{C}\ddot{\text{C}}\text{C}\ddot{\text{C}}\text{PsC}-\text{C}\ddot{\text{C}}\text{P}_{\mu}\text{C}\ddot{\text{C}}\text{PsPIP}\ddot{\text{C}}\text{PSP}\ddot{\text{C}} \quad \text{P}^{\circ}\text{P}\pm\text{Ps} \quad \text{PrPs} \\ & \text{P}\pm\text{C}\ddot{\text{C}}\text{PrC}\ddot{\text{C}}\text{C}-\text{C}\ddot{\text{C}}\text{P}\text{PePsC}-\text{P} \cdot \text{PrPsPiPsPjC}-\text{P}\ddot{\text{C}}\text{PSP}\ddot{\text{C}}\dots \text{C}\ddot{\text{C}}\text{P}_{\mu}\text{C}\ddot{\text{C}}\text{PsPIP}\ddot{\text{C}}\text{PS}. \end{aligned}$$

$\text{P}\mu\text{C}\overline{\text{T}}\text{P}\overline{\text{e}}\text{C}\overline{\text{I}}\text{C}\overline{\text{r}}\text{P}\overline{\text{i}}\text{C}\overline{\text{r}}\text{C}, \text{PSC}\overline{\text{H}}\text{PsPjC}\overline{\text{r}}\text{P}\overline{\text{i}}\text{C}\overline{\text{T}}\text{P}\overline{\text{e}}\text{PN}\overline{\text{e}}\text{PsPjC}-\text{P}\mu\text{P}\cdot\text{P}\mu\text{C}, \text{P}\overline{\text{e}}\text{PjC}-\text{P}\pm\text{C}\overline{\text{r}}\text{P}\cdot\text{P}\pm\text{C}\overline{\text{r}}\text{P}\overline{\text{r}}\text{C}\overline{\text{H}}-\text{C}\overline{\text{I}}\text{P}\text{eP}\overline{\text{e}}\text{PjC}\overline{\text{I}}\text{C}, \text{P}^{\circ}\text{C}, \text{P}\overline{\text{e}}\text{PSPsPjC}\overline{\text{I}}\text{P}\gg\text{C}-\text{Pr}\text{PsP}\cdot\text{PSP}^{\circ}\text{PN}\overline{\text{e}}\text{PsPjP}\overline{\text{e}}\text{C}, \text{P}\overline{\text{e}}\text{C}\overline{\text{I}}\text{C}\overline{\text{I}}\text{P}\cdot\text{C}-\text{PSC}\overline{\text{I}}\text{C}, \text{C}\overline{\text{T}}\text{C}\overline{\text{r}}\text{P}\text{eC}\overline{\text{I}}\text{C}-\text{C}''\text{C}\overline{\text{H}}\text{PrP}\gg\text{C}\overline{\text{I}}\text{P}\cdot\text{P}^{\circ}\text{C}\overline{\text{I}}\text{C}, \text{PsC}\overline{\text{I}}\text{C}\overline{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\overline{\text{I}}\text{P}\text{PrP}\gg\text{C}\overline{\text{I}}\text{P}\text{C}\overline{\text{I}}\text{C}\overline{\text{H}}\text{PsPiPs}\text{PePsPSPeC}\overline{\text{T}}\text{P}\mu\text{C}, \text{PSPsPiPsP}\gg\text{C}-\text{PeP}^{\circ}\text{C}\overline{\text{T}}\text{C}\overline{\text{I}}\text{C}\overline{\text{H}}\text{PePsPiPs}\text{P}\cdot\text{P}^{\circ}\text{C}\overline{\text{I}}\text{PsP}\pm\text{C}\overline{\text{r}}.$

PŸCřPjC-CřPSP° C,PµCĤP°PřC-Cř PµP·PµC,PěPjC-P±Cř P· P±CřPrCH-CřPePěPj
CřC,P°C,PěPSPsPj PřCĤPsC,PěPřPsPeP°P·P°PSP° Cř PřPµCĤC-PsPr PIP°PřC-C,PSPsCřC,C- P°P±Ps
PřPsPrCřPIP°PSPSCř PřCĤCřPrPrCH.

$P-P^{\circ}C\dot{I}C, PsC\dot{I}C\dot{r}PIP^{\circ}PSPSCI\dot{I} P_{\mu}P \cdot P_{\mu}C, P\ddot{e}PjC-P\pm C\dot{r} PI PePsPjP\pm C-PSP^{\circ}C\dot{I}C-C- P \cdot P\pm C\dot{r}PrCH-$
 $C\dot{I}PeP\ddot{e}Pj C\dot{I}C, P^{\circ}C, P\ddot{e}PSPsPj P\ddot{I}C\dot{I}PsC, P\ddot{e}PiPsPeP^{\circ}P \cdot P^{\circ}PSPs PiP^{\circ}C\dot{I}C-C''PSC, P^{\circ}Pj C-P \cdot$
 $P \cdot P^{\circ}C...PIPSC\dot{I}C\dot{I}PIP^{\circ}PSPSCI\dot{I}PjP\ddot{e} PiP_{\mu}C\dot{I}C-PSPeP\ddot{e} C\dot{r} C\dot{I}C, P^{\circ}PrC-C- P \cdot P^{\circ}PiPsC\dot{I}C, C\dot{I}P_{\mu}PSPSCI\dot{I}$
 $P^{\circ}P\pm Ps PSP_{\mu}P \cdot B\dot{H}^{\text{TM}} C\dot{I}C\dot{I}PsPIP^{\circ}PSP\ddot{e}PjP\ddot{e} C, C\dot{I}P\ddot{e}PIP^{\circ}P \gg P\ddot{e}PjP\ddot{e} P\ddot{I}C-PrPIP\ddot{e}C\%_{\circ}P_{\mu}PSPSCI\dot{I}PjP\ddot{e}$
 $C\dot{I}C-PIPSC-PI C\dot{I}P\ddot{e}C\dot{I}PsPIP^{\circ}C, PePsPIP\ddot{e}C... C, C\dot{I}P^{\circ}PSCI\dot{I}P^{\circ}PjC-PSP^{\circ}P \cdot.$

$P^{\circ}P^{\circ}C^{\circ}P_jP_sP_rC-C\Pi P^{\circ}C-PSC\epsilon P\ddot{e}P_jP\ddot{e}P\gg C-P\epsilon^{\circ}C\grave{H}C\acute{I}C\grave{H}P_{\epsilon}P\ddot{e}P_jP\ddot{e}P^{\circ}P^{\circ}C\acute{I}P_sP_{\pm}P^{\circ}P_jP\ddot{e}C,P^{\circ}C-PSC\epsilon C-PIP\ddot{e}P_rP\ddot{e}PIP^{\circ}P^{\circ}C^{\circ}P_jP_sP_rC-PN_2.$

$P''PsPeP \gg C-PSC-C \nmid PSC-PrP \nmid P \mu PSPSC \nmid P \nmid PsPeP^{\circ} \cdot P^{\circ} P \gg P \ddot{e}, C\%Ps P \mu P \cdot P \mu C, P \ddot{e} P j C-P \pm$
 $PSP \mu C-PSPrCrPeCrC'' C,, P \mu C \nmid P j P \mu PSC, P \ddot{e} C \nmid P \ddot{e} C \nmid C, P \mu P j P \ddot{e} C \nmid P \ddot{e} C, PsC... C \nmid P \mu P j C r P 450, C\%Ps$
 $P j P \mu C, P^{\circ} P \pm PsP \gg C-P \cdot CrC \nmid C, C \nmid P i C \nmid P \mu P i P^{\circ} C \nmid P^{\circ} C,, P k P \mu C \nmid P i PsC \nmid C, P \mu C \nmid P j C-P i P^{\circ} P \gg PsC \nmid C \nmid$
 $P \nmid PsPrPSP \ddot{e} C... PeP \gg C-PSC-C \nmid PSPs P \cdot PSP^{\circ} C \nmid CrC\%P \ddot{e} C...$
 $C,, P^{\circ} C \nmid P j P^{\circ} PePsPeC-PS P \mu C, P \ddot{e} C \nmid PSP \ddot{e} C... PIP \cdot P^{\circ} C'' P j PsPrC-PN \nmid P j C-P \nmid P \mu P \cdot P \mu C, P \ddot{e} P j C-P \pm Ps P j C, P^{\circ}$
 $P i C \nmid P \mu P i P^{\circ} C \nmid P^{\circ} C, P^{\circ} P j P \ddot{e}, C\%Ps P j P \mu C, P^{\circ} P \pm PsP \gg C-P \cdot CrC \nmid C, C \nmid C \nmid C \nmid C C,, P \mu C \nmid P j P \mu PSC, P^{\circ} P j P \ddot{e}$
 $C \nmid P \ddot{e} C \nmid C, P \mu P j P \ddot{e} C \nmid P \ddot{e} C, PsC... C \nmid P \mu P j C r P 450 1A2, 2D6, 2C8, 2C9 C, P^{\circ} 3A4 P^{\circ} P \pm Ps N-$
 $P^{\circ} C \nmid P \mu C, P \ddot{e} P \gg C, C \nmid P^{\circ} PSC \nmid C,, P \mu C \nmid P^{\circ} P \cdot PsC \nmid.$

Pj PeP»C-PSC-C‡PSPëC... PrPsCfP»C-PrP¶PµPSPSClC... P»C-PeP°CfCfCfPePsC—
 PIP·P°C”PjPsPrC-C— PµP·PµC,PëPjC-P± PïCfPë PePsPjP±C-PSPsPIP°PSC-PNë C,PµCfP°PïC-C—
 PSPµ PIPïP»PëPIP°PI PSP° C,,P°CfPjP°PePsPeC-PSPµC,PëPeCr PrP°PïCfPsPScf,
 PrPµPeCfC,CfPsPjPµC,PsCfC,,P°PSCf, PrPëPiPsPeCfPëPSCf, PiPµCfPsCfP°P»CHPSPëC...
 PePsPSC,CfP°C†PµPïC,PëPIC-PI (PµC,PëPSC-P»PµCfC,CfP°PrC-PsP»Cr C,P°
 P»PµPIPsPSPsCfPiPµCfC,CfPµP»Cr), PiP»C-PïC-P·PëPrCr, C,PsP»P±CrC,P°PjC-PrCr P°P±Ps
 PjC-PrP°P·PsP»P°PSCf. PïPëPjPµC,PëPrPëPS PïCfPë PePsPjP±C-PSPsPIP°PSC-PNë
 C,PµCfP°PïC-C— P· PµP·PµC,PëPjC-P±PsPj PSPµ PIPïP»PëPIP°PI PSP°
 P±C-PsPrPsCfC,CfPiPSC-CfC,CH PµP·PµC,PëPjC-P±Cr.

$P\bar{h}PSC, P^{\circ}C\uparrow P\bar{e}PrP\bar{e}$. $PhPrPSPsC\uparrow P^{\circ}C\uparrow PSP\bar{e}PN_{\circ}$ $P\bar{i}C\bar{h}P\bar{e}PN_{\circ}PsPj$ $P^{\circ}PSC, P^{\circ}C\uparrow P\bar{e}PrC-PI$
 $P\bar{i}C\bar{h}P\bar{e}P\cdot PIPsPrP\bar{e}C, CH$ $PrPs$ $P\cdot PSP\bar{e}P\uparrow PuPSPSC\downarrow$ $C\bar{f}C, C\bar{r}P\bar{i}PuPSC\downarrow$
 $P^{\circ}P\pm C\bar{f}PsC\bar{h}P\pm C\uparrow C-C-$ $PuP\cdot PuC, P\bar{e}PjC-P\pm C\bar{r}$, $P^{\circ}P\gg Pu$ $PSPu$ $PIP\bar{i}P\gg P\bar{e}PIP^{\circ}C''$ PSP°
 $PN_{\circ}PsPiPs$ $P\pm C-PsPrPsC\bar{f}C, C\bar{r}P\bar{i}PSC-C\bar{f}C, CH$. $P\check{y}P^{\circ}PePu$ $P\cdot PSP\bar{e}P\uparrow PuPSPSC\downarrow$

СГГ,СГРПРПSCГ П°P±СГPsСГРP±СГC-C— PSPμ PIP°P¶P°C”C,СГСГГГГ
PeP»C-PSC-C±PSPs P·PSP°C±СГC%PëPj.

РГPsP»PμСГГC,РëСГРP°PjC-PS. PμСГРPë PePsPjP±C-PSPsPIP°PSPsPjСГ
P·P°СГГC,PsСГГГРPIP°PSPSC- P· C...PsP»PμСГГC,РëСГРP°PjC-PSPsPj СГРPμСГРPμPrPSC”
P·PSP°C±PμPSPSCГ ПРP»PsC%C- ПСC-Pr PeСГРPëPIPsСГ
B«PePsPSCГPμPSC,СГРP°CГC-СГГC-СГP°СГГB» (AUC) СГГГРPjP°СГРPSPsPiPs PμP·PμC,РëPjC-P±СГ
(PμP·PμC,РëPjC-P± C,P° PμP·PμC,РëPjC-P±-PiP»СГPeСГГСГРPSPSC-Pr)
P·PjPμPSC€СГРPIP°P»PsСГГГГ ПСГРPëP±P»PëP·PSPs PSP° 55 %. PμСГРPë PrPsPrP°PIP°PSPSC-
PμP·PμC,РëPjC-P±СГ PrPs C...PsP»PμСГГC,РëСГРP°PjC-PSСГ РРPsСГГC,СГРРPsPIPμ
P·PSPëP¶PμPSPSCГ C...PsP»PμСГГC,PμСГРPëPSCГ P»C-РРPsРСГРPsC,PμC—PSC-PI
PSPëP·СГPePsC— C%C-P»СГPSPsСГГC,C- (РГРГ P»PμPкP©) PjPsP¶Pμ
СГРРPsPIC-P»СГPSPëC,РëСГГГГ. PαC-P±СГРP°C,Рë. РРPeC%Ps РРP°CГC-C”PSC,Рë
PsC,СГРPëPjСГГC,СГ C,,PμPSPsC,,C-P±СГРP°C, C,P° PμP·PμC,РëPjC-P±, P»C-PeP°СГРC-
РРPsPIPëPSPSC- P±СГC,Рë РСГРPsC-PSC,,PsСГРPjPsPIP°PSC- РСГРPs PjPsP¶P»PëPIPëP№
СГРPëP·РëPe PIPëPSPëPePSPμPSPSCГ C...PsP»PμP»C-C,C-P°P·СГ C-
P·P°C...PIPsСГРСГРPIP°PSPSCГ P¶PsPIC±PSPsPiPs PjC-C...СГСГРP°. PμСГРPë
РСC-PrPsP·СГРC- PSP° C...PsP»PμP»C-C,C-P°P· СГ РРP°CГC-C”PSC,P°, СГPePëP№
PsC,СГРPëPjСГГC” PμP·PμC,РëPjC-P± C,P° C,,PμPSPsC,,C-P±СГРP°C,, РРPsPeP°P·P°PSC-
PsP±СГГC,PμP¶PμPSPSCГ P¶PsPIC±PSPsPiPs PjC-C...СГСГРP°, P° C,P°PeСГ
C,PμСГРP°РСC-СГ СГРP»C-Pr РСГРPëРРPëPSPëC,Рë (PrPëPI. СГРPsP·PrC-P»
B«PμPsP±C-C±PSC- СГРPμP°PeСГC-C—B»).

PГСГРРСГC,PSC” P·P°СГГC,PsСГГГРPIP°PSPSCГ C,,PμPSPsC,,C-P±СГРP°C,СГ P°P±Ps
PiPμPjC,,C-P±СГРPsP·РëP»СГ PSPμP·PSP°C±PSPëPj СГРëPSPsPj РСC-PrPIPëC%PëP»Ps
P·P°РРP»»СГPSCГ PePsPSCГPμPSC,СГРP°CГC-СГ PμP·PμC,РëPjC-P±СГ (РСГРPëP±P»PëP·PSPs СГ
1,5 C- 1,7 СГРP°P·P° PIC-PrРРPsPIC-PrPSPs).

PμPrPSPsC±P°СГРPSPμ P·P°СГГC,PsСГГГРPIP°PSPSCГ PμP·PμC,РëPjC-P±СГ P· C-PSC€РëPjPë
C,,C-P±СГРP°C,P°PjPë PSPμ PIPëPIC±P°P»Pë.

PαC-P±СГРP°C,Рë PjPsP¶СГГC,СГ РСC-PrPIPëC%СГРPIP°C,Рë PIPëPrC-P»PμPSPSCГ
C...PsP»PμСГГC,PμСГРPëPSCГ PI P¶PsPIC±, C%Ps РСГРPëP·PIPsPrPëC,СГ PrPs
C...PsP»PμP»C-C,C-P°P·СГ. PJ PrPsСГРP»C-PrP¶PμPSPSCГC... PSP° C,PIP°СГРPëPSP°C...
PμP·PμC,РëPjC-P± C-PSPsPrC- РСC-PrPIPëC%СГРPIP°PI СГРC-PIPμPSCСГ
C...PsP»PμСГГC,PμСГРPëPSCГ PI P¶PsPIC±C-, P°P»Pμ PSPμ СГ PICГC-C... PIPëPrC-PI.
P»C-C,PsPiPμPSPSPëP№ СГРPëP·РëPe, РРPsPIБГ™ СГРP·P°PSPëP№ P·
C,PμСГРP°РРPμPIC,РëC±PSPëPj P·P°СГГC,PsСГГГРPIP°PSPSCГPj PμP·PμC,РëPjC-P±СГ, PSPμ
PjPsP¶PSP° PIPëPeP»СГC±PëC,Рë.

PГC,P°C,РëPSPë. P-PsPrPSPsC— PeP»C-PSC-C±PSPs P·PSP°C±СГC%PsC—
C,,P°СГРPjP°PePsPeC-PSPμC,РëC±PSPsC— PIP·P°C”PjPsPrC-C— PSPμ P±СГРP»Ps
PIPëCГPIP»PμPSPs РСГРPë PePsPjP±C-PSPsPIP°PSPsPjСГ РСГРPëP№PsPjC-
PμP·PμC,РëPjC-P±СГ P· P°C,PsСГРPIP°СГГC,P°C,РëPSPsPj, СГРPëPjPIP°СГГC,P°C,РëPSPsPj,
РСГРP°PIP°СГГC,P°C,РëPSPsPj, P»PsPIP°СГГC,P°C,РëPSPsPj, C,,P»СГРPIP°СГГC,P°C,РëPSPsPj
P°P±Ps СГРPsP·СГРPIP°СГГC,P°C,РëPSPsPj.

РРPëPeP»PsСГРРPsСГРPëPS. PJ C...PsPrC- PrPsСГРP»C-PrP¶PμPSPSCГ P· СГC±P°СГГC,СГ 8
РРP°CГC-C”PSC,C-PI РСC-СГРP»CГ C,СГРP°PSCГРРP»P°PSC,P°CГC-C— PSPëСГРPePë P·

PeP»C-CT_μPSCT_μP_μ°C, PēPSC-PSC_μ > 50 PjP»/C...PI PīCT_μPē
 CT_μC, P°P±C-P»CH_μPSC-PN_μ PrPsP·C- C†PēPeP»PsCT_μPiPsCT_μPēPSC_μ 1 PrPsP·P°
 PμP·PμC, PēPjC-P±C_μ 10 PjPi PīCT_μPēP·PIPsPrPēC, CH_μ PrPs PīC-PrPIPēC%PμPSPSC_μ C_μ 3,4
 CT_μP°P·P° (PrC-P°PīP°P·PsPS CT_μC, P°PSPsPIPēC, CH_μ PIC-Pr 2,3 PrPs 7,9 CT_μP°P·P°)
 CT_μPμCT_μPμPrPSC_μPsC— AUC P·P°PīP°P»CH_μPSPsPiPs PμP·PμC, PēPjC-P±C_μ
 PīPsCT_μC-PIPSC_μPS_μ P· PIC-PrPīPsPIC-PrPSPēPj PīPsPeP°P·PSPēPePsPj C_μ
 PePsPSC, CT_μPsP»CH_μPSC-PN_μ PīPsPīC_μP»C_μIC†C-C— P·PrPsCT_μPsPIPēC...
 PīP°C†C-C”PSC, C-PI, C_μPeC- PsC, CT_μPēPjC_μPIP°P»Pē C, C-P»CH_μPePē PμP·PμC, PēPjC-P±,
 PI C-PSCēPsPjC_μ PrPsCT_μP»C-PrP_μPIPμPSPSC- (n = 17). P⊙Pμ PI PsPrPSPsPjC_μ
 PrPsCT_μP»C-PrP_μPIPμPSPSC- C_μ PīP°C†C-C”PSC, P° P· C, CT_μP°PSC_μPiP»P°PSC, PsPIP°PSPsC_μ
 PSPēCT_μPePsC_μ C- C, C_μPIP_μPePsC_μ PSPēCT_μPePsPIPsC_μ PSPμPrPsCT_μC, P°C, PSC-CT_μC, CH_μ,
 C_μPePēPN_μ PsC, CT_μPēPjC_μPIP°PI C†PēPeP»PsCT_μPiPsCT_μPēPS C, P° P±P°PīP°C, Ps C-PSCēPēC...
 P»C-PeP°CT_μCT_μCH_μPePēC... P·P°CT_μPsP±C-PI, P·P°C, C-PeCT_μPsPIP°PSPs 12-CT_μP°P·PsPIPμ
 P·P±C-P»CH_μCēPμPSPSC_μ PμPeCT_μPiPsP·PēC†C-C— P·P°PīP°P»CH_μPSPsPiPs PμP·PμC, PēPjC-P±C_μ
 PīPsCT_μC-PIPSC_μPS_μ P· PePsPSC, CT_μPsP»CH_μPSPēPjPē PīP°C†C-C”PSC, P°PjPē, C_μPeC-
 PsC, CT_μPēPjC_μPIP°P»Pē C, C-P»CH_μPePē PμP·PμC, PēPjC-P±. PμC-Pr C†P°CT_μ
 PīPμCT_μPμC...CT_μPμCT_μPSPsPiPs PrPsCT_μP»C-PrP_μPIPμPSPSC_μ P· PrPIPsPjP° PīPμCT_μC-PsPrP°PjPē P·
 C_μC†P°CT_μC, CH_μ 12 P·PrPsCT_μPsPIPēC... PrPsP±CT_μPsPIPsP»CH_μC†C-PI C%PsPrPμPSPSPμ
 PIPiPμPrPμPSPSC_μ 20 PjPi PμP·PμC, PēPjC-P±C_μ PīCT_μPsC, C_μPIPsPj 8 PrPSC-PI P· PsPrPSC-C”CH_μ
 PrPsP·PsC_μ 100 PjPi C†PēPeP»PsCT_μPiPsCT_μPēPSC_μ PSP°
 7-PN_μ PrPμPSC_μ PīCT_μPēP·PIPμP»Ps PrPs P·P±C-P»CH_μCēPμPSPSC_μ AUC
 C†PēPeP»PsCT_μPiPsCT_μPēPSC_μ PI CT_μPμCT_μPμPrPSC_μPsPjC_μ PSP° 15 % (PrC-P°PīP°P·PsPS PIC-Pr
 P·PjPμPSCēPμPSPSC_μ PSP° 10 % PrPs P·P±C-P»CH_μCēPμPSPSC_μ PSP° 51 %)
 PīPsCT_μC-PIPSC_μPS_μ P· PIC-PrPīPsPIC-PrPSPēPj PīPsPeP°P·PSPēPePsPj PīCT_μPē
 PIPiPμPrPμPSPSC- PsPrPSC-C”C— PrPsP·Pē 100 PjPi C†PēPeP»PsCT_μPiPsCT_μPēPSC_μ.
 P_μPsPSC, CT_μPsP»CH_μPsPIP°PSPμ PrPsCT_μP»C-PrP_μPIPμPSPSC_μ PIPiP»PēPIC_μ
 PsPrPSPsC†P°CT_μPSPsPiPs PīCT_μPēPN_μPsPjC_μ PμP·PμC, PēPjC-P±C_μ PSP° PμPeCT_μPiPsP·PēC†C-CH_μ
 C†PēPeP»PsCT_μPiPsCT_μPēPSC_μ C_μ PīP°C†C-C”PSC, C-PI C-P·
 C, CT_μP°PSC_μPiP»P°PSC, PsPIP°PSPsC_μ PSPēCT_μPePsC_μ PSPμ PīCT_μPsPIPsPrPēP»Pē. PŸP»C-Pr P·
 PsP±PμCT_μPμP_μPSC-CT_μC, CH_μ CT_μPsP·PīPsC†PēPSP°C, Pē P»C-PeCT_μPIP°PSPSC_μ
 PμP·PμC, PēPjC-P±PsPj PīP°C†C-C”PSC, P°PjPē, C_μPeC- PīCT_μPēPN_μPjP°C_μCH_μ
 C†PēPeP»PsCT_μPiPsCT_μPēPS. Pj PīP°C†C-C”PSC, C-PI, C_μPeC- PīCT_μPēPN_μPjP°C_μCH_μ
 PμP·PμC, PēPjC-P± C, P° C†PēPeP»PsCT_μPiPsCT_μPēPS, CT_μP»C-Pr PīPμCT_μPμPIC-CT_μC_μC, Pē
 PePsPSC†PμPSC, CT_μP°C†C-C— C†PēPeP»PsCT_μPiPsCT_μPēPSC_μ.

P_μhPSC, PēPePsP°PiC_μ2P»C_μIPSC, Pē. P_μhPrPSPsC†P°CT_μPSPμ P·P°CT_μC, PsCT_μC_μPIP°PSPSC_μ
 PμP·PμC, PēPjC-P±C_μ (10 PjPi 1 CT_μP°P· PSP° PrPsP±C_μ) PSPμ PjP°P»Ps P·PSP°C†PSPsPiPs
 PIPiP»PēPIC_μ PSP° P±C-PsPrPsCT_μC, C_μPiPSC-CT_μC, CH_μ PIP°CT_μC, P°CT_μPēPSC_μ C, P°
 PīCT_μPsC, CT_μPsPjP±C-PSPsPIPēPN_μ C†P°CT_μ C_μ C...PsPrC- PrPsCT_μP»C-PrP_μPIPμPSPSC_μ P·
 C_μC†P°CT_μC, CH_μ
 12 P·PrPsCT_μPsPIPēC... PrPsCT_μPsCT_μP»PēC... C†PsP»PsPIC-PeC-PI. P_μhPrPSP°Pe P±C_μP»Pē
 PīC-CT_μP»C_μCT_μPμC”CT_μC, CT_μP°C†C-PN_μPSC- PīPsPIC-PrPsPjP»PμPSPSC_μ PīCT_μPs
 P·P±C-P»CH_μCēPμPSPSC_μ PjC-P_μPSP°CT_μPsPrPSPsPiPs
 PSPsCT_μPjP°P»C-P·PsPIP°PSPsPiPs PIC-PrPSPsCēPμPSPSC_μ (P_μhP_μK_μP’) C_μ
 PīP°C†C-C”PSC, C-PI, C_μPePēPj PμP·PμC, PēPjC-P± PrPsPrP°PIP°P»Pē PrPs
 PIP°CT_μC, P°CT_μPēPSC_μ P°P±Ps C, P»C_μC—PSPrC-PsPSC_μ. PīPeC%Ps PμP·PμC, PēPjC-P±
 P·P°CT_μC, PsCT_μPsPIC_μPIP°C, Pē PSP° C, P»C- PīCT_μPēPN_μPsPjC_μ PIP°CT_μC, P°CT_μPēPSC_μ,
 C-PSCēPsPiPs PeCT_μPjP°CT_μPēPSPsPIPsPiPs P°PSC, PēPePsP°PiC_μP»C_μIPSC, C_μ P°P±Ps

C,,P»CfC—PSPrC—PsPSCf, CfP»C—Pr PSP°P»PμP¶PSPëPj C‡PëPSPsPj PïPμC¶PμPIC—C¶C¶C,Pë P¶P¶P'.

P''C—C,Pë. P''PsCfP»C—PrP¶PμPSPSC¶ PIP·P°C''PjPsPrC—C— PïC¶PsPIPsPrPëP»PëCfC¶ Cf PrPsC¶PsCfP»PëC....

P¶CfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfC¿PIP°PSPSC¶.

PμC¶Pë CfCfPïCfC,PSCHPsPjCf PïC¶PëPNëPsPjC— PμP·PμC,PëPjC—P±Cf P· P±CfPrCH—C¶PePëPj CfC,P°C,PëPSPsPj CfP»C—Pr PsP·PSP°PNëPsPjPëC,PëCfC¶ P· C—PSCfC,C¶CfPeC†C—C''C¶ PrP»C¶ P·P°CfC,PsCfCfPIP°PSPSC¶ PrP»C¶ C†CHPsPiPs PePsPSPeC¶PμC,PSPsPiPs P»C—PeP°C¶CfCHPePsPiPs P·P°CfPsP±Cf.

PαPμC¶PjPμPSC,Pë PïPμC‡C—PSPePë

Pj PePsPSC,C¶PsP»CHPsPIP°PSPëC... PrPsCfP»C—PrP¶PμPSPSC¶C... CfCfPïCfC,PSCHPsC— C,PμC¶P°PïC—C— Cf PïP°C†C—C''PSC,C—PI, C¶PeC— PsC,C¶PëPjCfC¶C,CH PμP·PμC,PëPjC—P± P·C— CfC,P°C,PëPSP°PjPë, CfPïPsCfC,PμC¶C—PiP°P»PëCfC¶ PïPsCfP»C—PrPsPIPsC— PïC—PrPIPëC%PμPSPSC¶ C¶C—PIPsC¶ C,C¶P°PSCfP°PjC—PSP°P· (Cf 3 P°P±Ps P±C—P»CHC€Pμ C¶P°P·C—PI PIPëC%Pμ P·P° PIPμC¶C...PSC¶ PjPμP¶Cf PSPsC¶PjPë [P'P¶P¶]). PμC¶Pë PïC¶PëPNëPsPjC— PePsPjP±C—PSP°C†C—C— PμP·PμC,PëPjC—P±Cf P·C— CfC,P°C,PëPSPsPj CfP»C—Pr PïC¶PsPIPsPrPëC,Pë C,,CfPSPeC†C—PsPSP°P»CHPSC— PïPμC‡C—PSPePsPIC— PïC¶PsP±Pë PSP° PïPsC‡P°C,PeCf C,PμC¶P°PïC—C— C,P° P·PiC—PrPSPs P· C¶PμPePsPjPμPSPrP°C†C—C¶PjPë CfC,PsCfPsPIPsP Ps CfC,P°C,PëPSCf.

Pj PïPsP»C—PïC€PμPSPsPjCf CfPePsC¶PsC‡PμPSPSC— C¶PμP·CfP»CHC,P°C,C—PI: PjC—P¶PSP°C¶PsPrPSPμ PrPsCfP»C—PrP¶PμPSPSC¶ PμC,,PμPeC,PëPIPsPSCfC,C— P'C—C,PsC¶C—PSCf (IMPROVE-IT), 18144 PïP°C†C—C''PSC,Pë P· C—C€PμPjC—C‡PSPsC¶ C...PIPsC¶PsP±PsC¶ CfPμC¶C†C¶ C,P° PIPëPïP°PrPeP°PjPë P''P¶P¶ PI P°PSP°PjPSPμP·C— P±CfP»Pë C¶P°PSPrPsPjC—P·PsPIP°PSC— PrP»C¶ PïC¶PëPNëPsPjCf PμP·PμC,PëPjC—P±Cf/CfPëPjPIP°CfC,P°C,PëPSCf 10/40 PjPi C%PsPrPμPSPSPs (n = 9067) P°P±Ps CfPëPjPIP°CfC,P°C,PëPSCf 40 PjPi C%PsPrPμPSPSPs (n = 9077). PμC¶PsC,C¶PiPsPj CfPμC¶PμPrPSCHPsPiPs PïPμC¶C—PsPrCf CfPïPsCfC,PμC¶PμP¶PμPSPSC¶ 6 C¶PsPeC—PI C‡P°CfC,PsC,P° PïPsCfP»C—PrPsPIPsPSPsPiPs PïC—PrPIPëC%PμPSPSC¶ C,C¶P°PSCfP°PjC—PSP°P· (Cf 3 P°P±Ps P±C—P»CHC€Pμ C¶P°P·C—PI PIPëC%Pμ P·P° P'P¶P¶) CfC,P°PSPsPIPëP»P° 2,5 % PrP»C¶ PμP·PμC,PëPjC—P±Cf/CfPëPjPIP°CfC,P°C,PëPSCf C,P° 2,3 % PrP»C¶ CfPëPjPIP°CfC,P°C,PëPSCf.

Pj PePsPSC,C¶PsP»CHPsPIP°PSPsPjCf PeP»C—PSC—C‡PSPsPjCf PrPsCfP»C—PrP¶PμPSPSC—, Cf C¶PePsPjCf PïPsPSP°Pr 9000 PïP°C†C—C''PSC,C—PI P· C...C¶PsPSC—C‡PSPëPj P·P°C...PIPsC¶CHPIP°PSPSC¶Pj PSPëC¶PsPe P±CfP»Pë C¶P°PSPrPsPjC—P·PsPIP°PSC— PrP»C¶ PïC¶PëPNëPsPjCf PμP·PμC,PëPjC—P±Cf 10 PjPi Cf PePsPjP±C—PSP°C†C—C— C—P· CfPëPjPIP°CfC,P°C,PëPSPsPj 20 PjPi C%PsPrPμPSPSPs (n = 4650) P°P±Ps PïP»P°C†PμP±Ps (n = 4620), (CfPμC¶PμPrPSC—PNë PïPμC¶C—PsPr CfPïPsCfC,PμC¶PμP¶PμPSPSC¶ 4,9 C¶PsPeCf), C‡P°CfC,PsC,P° PïPsCfP»C—PrPsPIPsPSPsPiPs PïC—PrPIPëC%PμPSPSC¶ C,C¶P°PSCfP°PjC—PSP°P· (Cf 3 P°P±Ps P±C—P»CHC€Pμ C¶P°P·C—PI PIPëC%Pμ P·P° P'P¶P¶) CfC,P°PSPsPIPëP»P° 0,7 % PrP»C¶ PμP·PμC,PëPjC—P±Cf PI PePsPjP±C—PSP°C†C—C— P·

PJ PrPsCfP»C-PrP¶PµPSPSC- IMPROVE-IT 18144 PiP°C†C-C"PSC,Pë P· C-C¶PµPjC-C†PSPsC¶
C...PIPsC¶PsP±PsC¶ C†PµC¶C†C¶ C,P° PIPëPiP°PrPeP°PjPë P"¶P¶P¶ PI P°PSP°PjPSPµP·C-
P±C†P»Pë C¶P°PSPrPsPjC-P·PsPIP°PSC- PrP»C¶ PiC¶PëPNëPsPjC†
PµP·PµC,PëPjC-P±C†/C†PëPjPIP°C†C,P°C,PëPSC† 10/40 PjPi C°%PsPrPµPSPSPs
(n = 9067) P°P±Ps C†PëPjPIP°C†C,P°C,PëPSC† 40 PjPi C°%PsPrPµPSPSPs (n = 9077).
PµC¶PsC,C¶PiPsPj C†PµC¶PµPrPSC¶PsPiPs PiPµC¶C-PsPrC† C†PiPsC†C,PµC¶PµP¶PµPSPSC¶ 6
C¶PsPeC-PI C†P°C†C,PsC,P° PjC-PsPiP°C,C-C— C†C,P°PSPsPIPëP»P° 0,2 % PrP»C¶
PµP·PµC,PëPjC-P±C†/C†PëPjPIP°C†C,P°C,PëPSC† C,P°
0,1 % PrP»C¶ C†PëPjPIP°C†C,P°C,PëPSC†, PrPµ PjC-PsPiP°C,C-C¶ PIPëP·PSP°C†P°P»P°C†C¶
C¶Pe PjB¶™ C¶P·PsPIP° C†P»P°P±PeC-C†C,Ch P°P±Ps P±C-P»Ch PSPµP·C¶PsP·C†PjC-P»PsC—
PµC,C-PsP»PsPiC-C— P· C¶C-PIPSPµPj PeC¶PµP°C,PëPSPeC-PSP°P·Pë PI C†PëC¶PsPIP°C,C†C-
PeC¶PsPIC- C† 10 P°P±Ps P±C-P»ChC¶Pµ C¶P°P·C-PI PIPëC°%Pµ P·P° P'¶¶P¶ P°P±Ps P·
PrPIPsPjP° PiPsC†P»C-PrPsPIPSPëPjPë C¶PµP·C†P»ChC,P°C,P°PjPë
PeC¶PµP°C,PëPSPeC-PSP°P·Pë C† 5 P°P±Ps P±C-P»ChC¶Pµ C¶P°P·C-PI C- C† 10 C¶P°P·C-PI
PjPµPSC¶Pµ P·P° P'¶¶P¶. P¶P°C†C,PsC,P° C¶P°P±PrPsPjC-PsP»C-P·C† C†C,P°PSPsPIPëP»P° 0,1
% PrP»C¶ PµP·PµC,PëPjC-P±C†/C†PëPjPIP°C†C,P°C,PëPSC† C,P° 0,2 % PrP»C¶
C†PëPjPIP°C†C,P°C,PëPSC†, PrPµ C¶P°P±PrPsPjC-PsP»C-P· PIPëP·PSP°C†P°PIC†C¶ C¶Pe
PjB¶™ C¶P·PsPIP° C†P»P°P±PeC-C†C,Ch P°P±Ps P±C-P»Ch PSPµP·C¶PsP·C†PjC-P»PsC—
PµC,C-PsP»PsPiC-C— P· C¶C-PIPSPµPj PeC¶PµP°C,PëPSPeC-PSP°P·Pë PI C†PëC¶PsPIP°C,C†C-
PeC¶PsPIC- C† 10 P°P±Ps P±C-P»ChC¶Pµ C¶P°P·C-PI PIPëC°%Pµ P·P° P'¶¶P¶ P·
PsP·PSP°PeP°PjPë PiPsC¶PePsPrP¶PµPSPSC¶ PSPëC¶PsPe, C† 5 P°P±Ps P±C-P»ChC¶Pµ
C¶P°P·C-PI PIPëC°%Pµ C- C† 10 C¶P°P·C-PI PjPµPSC¶Pµ P·P° P'¶¶P¶ PrPIC-C†C-
PiPsC†PiC-P»Ch P· PsP·PSP°PeP°PjPë PiPsC¶PePsPrP¶PµPSPSC¶ PSPëC¶PsPe P°P±Ps
C¶C-PIPSPµPj PeC¶PµP°C,PëPSPeC-PSP°P·Pë ≥ 10000 P¶P¶/P» P±PµP· PsP·PSP°Pe

PiPsC€PePsPrP¶PµPSPSC¶ PSpëC¶PsPe.

PJ PeP»C-PSC-C¶PSPsPjCř PrPsCřP»C-PrP¶PµPSPSC-, Cř C¶PePsPjCř PiPsPSP°Pr 9000
PiP°C†C-C”PSC,C-PI P· C...C¶PsPSC-C¶PSPëPj P·P°C...PIPsC¶C¶PIP°PSPSC¶Pj PSpëC¶PsPe
P±CřP»Pë C¶P°PSPPrPsPjC-P·PsPIP°PSC- PrP»C¶ PiC¶PëPNëPsPjCř PµP·PµC,PëPjC-P±Cř 10 PjPi
PI PePsPjP±C-PSP°C†C-C— C-P· CřPëPjPIP°CřC,P°C,PëPSPsPj 20 PjPi C°PsPrPµPSPSPs (n =
4650) P°P±Ps PiP»P°C†PµP±Ps (n = 4620), (CřPµC¶PµPrPSC-PNë PiPµC¶C-PsPr
CřPiPsCřC,PµC¶PµP¶PµPSPSC¶ 4,9 C¶PsPeCř), C¶P°CřC,PsC,P° PjC-PsPiP°C,C-C—/
C¶P°P±PrPsPjC-PsP»C-P·Cř CřC,P°PSPsPIPëP»P° 0,2 % PrP»C¶ PµP·PµC,PëPjC-P±Cř PI
PePsPjP±C-PSP°C†C-C— P· CřPëPjPIP°CřC,P°C,PëPSPsPj C- 0,1 % PrP»C¶ PiP»P°C†PµP±Ps.

PµPµC¶C-PSPePsPIP° PSPµPrPsCřC,P°C,PSC-CřC,CH

PħCřPeC-P»CHPePë PµC,,PµPeC,Pë PiC-PrPIPëC°PµPSPsPiPs PIPjC-CřC,Cř
PµP·PµC,PëPjC-P±Cř Cř PiP°C†C-C”PSC,C-PI C-P· PiPµC¶C-PSPePsPIPsC¶
PSPµPrPsCřC,P°C,PSC-CřC,C¶ PiPsPjC-C¶PSPsPiPs C,P° C,C¶P¶PePsPiPs CřC,CřPiPµPSC¶
PSPµPIC-PrPsPjC-, PµP·PµC,PëPjC-P± PSPµ C¶PµPePsPjPµPSPPrPsPIP°PSPëPNë PrP»C¶
P·P°CřC,PsCřCřPIP°PSPSC¶ C†C-PNë PeP°C,PµPiPsC¶C-C— PiP°C†C-C”PSC,C-PI.

P”C-C,Pë

P’C-PrPsPjPs, C°Ps PµC,,PµPeC,PëPIPSC-CřC,CH C,P° P±PµP·PiPµPeP° PµP·PµC,PëPjC-P±Cř Cř
PiP°C†C-C”PSC,C-PI PIC-PePsPj PIC-Pr 6 PrPs 10 C¶PsPeC-PI C-P·
PiPµC,PµC¶PsP·PëPiPsC,PSPsC¶ CřC-PjPµPNëPSPsC¶ P°P±Ps PSPµCřC-PjPµPNëPSPsC¶
PiC-PiPµC¶C...PsP»PµCřC,PµC¶PëPSPµPjC-C”C¶ PsC†C-PSCHPIP°P»Pë Cř PiP»P°C†PµP±Ps-
PePsPSC,C¶PsP»CHPsPIP°PSPsPjCř PeP»C-PSC-C¶PSPsPjCř PrPsCřP»C-PrP¶PµPSPSC-
PiC¶PsC,C¶PiPsPj 12 C,PëP¶PSC-PI. P’PiP»PëPi PµP·PµC,PëPjC-P±Cř PiC¶PsC,C¶PiPsPj
PiPµC¶C-PsPrCř P»C-PeCřPIP°PSPSC¶ P±C-P»CHC€Pµ 12 C,PëP¶PSC-PI Cř C†C-PNë
PIC-PePsPIC-PNë PiC¶CřPiC- PSPµ PIPëPIC¶P°P»Pë.

P’PiP»PëPi PµP·PµC,PëPjC-P±Cř PSPµ PIPëPIC¶P°P»Pë Cř PiP°C†C-C”PSC,C-PI PIC-PePsPj PrPs 6
C¶PsPeC-PI.

P’C-PrPsPjPs, C°Ps PµC,,PµPeC,PëPIPSC-CřC,CH C,P° P±PµP·PiPµPeP° PµP·PµC,PëPjC-P±Cř,
C°Ps PiC¶PëP·PSP°C¶P°P»Pë Cř PePsPjP±C-PSP°C†C-C— C-P· CřPëPjPIP°CřC,P°C,PëPSPsPj
PiP°C†C-C”PSC,P°Pj PIC-PePsPj PIC-Pr 10 PrPs 17 C¶PsPeC-PI C-P·
PiPµC,PµC¶PsP·PëPiPsC,PSPsC¶ CřC-PjPµPNëPSPsC¶
PiC-PiPµC¶C...PsP»PµCřC,PµC¶PëPSPµPjC-C”C¶, PsC†C-PSCHPIP°P»PëCřC¶ PI
PePsPSC,C¶PsP»CHPsPIP°PSPsPjCř PeP»C-PSC-C¶PSPsPjCř PrPsCřP»C-PrP¶PµPSPSC- P·
CřC¶P°CřC,C¶ C...P»PsPiC¶PëPeC-PI (CřC,P°PrC-C¶ PÿP°PSPSPµC¶P° II P°P±Ps PIPëC°Pµ)
C,P° PrC-PIC¶P°C,PsPe (PSPµ PjPµPSC€Pµ PSC-P¶ C¶PµC¶PµP· C¶C-Pe PiC-CřP»C¶
PjPµPSP°C¶C...Pµ).

PµC-Pr C¶P°Cř C†CHPsPiPs PsP±PjPµP¶PµPSPsPiPs PePsPSC,C¶PsP»CHPsPIP°PSPsPiPs
PrPsCřP»C-PrP¶PµPSPSC¶ PIP·P°PiP°P»C- PSPµ CřPiPsCřC,PµC¶C-PiP°P»PsCřC¶
P¶PsPrPSPsPiPs PiPsPjC-C,PSPsPiPs PIPiP»PëPICř PSP° C¶C-CřC, C- CřC,P°C,PµPIPµ
PrPsP·C¶C-PIP°PSPSC¶ C...P»PsPiC¶PëPeC-PI C,P° PrC-PIC¶P°C,PsPe PiC-PrP»C-C,PePsPIPsPiPs
PIC-PeCř C- P¶PsPrPSPsC— PrC-C— PSP° C,C¶PëPIP°P»C-CřC,CH
PjPµPSCřC,C¶CřP°P»CHPsPSPsPiPs C†PëPeP»Cř PI PrC-PIC¶P°C,PsPe. PħPrPSP°Pe PrC-C¶
PµP·PµC,PëPjC-P±Cř PSP° C¶C-CřC, C,P° CřC,P°C,PµPIPµ PrPsP·C¶C-PIP°PSPSC¶
CřPiC¶PsPrPsPIP¶ PiPµC¶C-PsPrCř P»C-PeCřPIP°PSPSC¶ P±C-P»CHC€Pµ 33 C,PëP¶PSC-PI
PSPµ PIPëPIC¶P°P»Pë.

P'PμP·PīPμPeCf C,P° PμC,,PμPeC,PēPIPSC-CfC,CH PμP·PμC,PēPjC-P±Cf, C%Ps
PīCfPēP·PSP°C±P°P»Pē Cf PePsPjP±C-PSP°C†C-C— C-P· CfPēPjPIP°CfC,P°C,PēPSPsPj Cf
PrPsP·C- P±C-P»CHC€Pμ 40 PjPi PSP° PrPsP±Cf, PrC-C,CfPj PIC-PePsPj PIC-Pr 10 PrPs 17
CfPSPeC-PI, PSPμ PIPēPIC±P°P»Pē.

P'PμP·PīPμPeCf C,P° PμC,,PμPeC,PēPIPSC-CfC,CH PμP·PμC,PēPjC-P±Cf, C%Ps
PīCfPēP·PSP°C±P°P»Pē Cf PePsPjP±C-PSP°C†C-C— C-P· CfPēPjPIP°CfC,P°C,PēPSPsPj,
PrC-C,CfPj PIC-PePsPj PrPs 10 CfPSPeC-PI, PSPμ PIPēPIC±P°P»Pē.

P"PsPIPiPsCfC,CfPSPePsPICf PμC,,PμPeC,PēPIPSC-CfC,CH C,PμCfP°PīC-C—
PμP·PμC,PēPjC-P±PsPj Cf PīP°C†C-C"PSC,C-PI PIC-PePsPj PrPs 17 CfPSPeC-PI PrP»Cf
P·PSPēP¶PμPSPSCf P·P°C...PIPSCfCfPIP°PSPSCfC,C- C,P° P»PμC,P°P»CHPSPSCfC,C- Cf
P·CfC-P»PsPjCf PIC-C†C- PSPμ PrPsCfP»C-PrP¶CfPIP°P»Pē.

PαC-P±CfP°C,Pē

P'PμP·PīPμPeP° C,P° PμC,,PμPeC,PēPIPSC-CfC,CH PμP·PμC,PēPjC-P±Cf PīCfPē
P·P°CfC,PsCfCfPIP°PSPSC- P· C,,C-P±CfP°C,P°PjPē PSPμ PICfC,P°PSPsPIP»PμPSP°.

PμCfPē PīC-PrPsP·CfC- PSP° C...PsP»PμP»C-C,C-P°P· Cf PīP°C†C-C"PSC,P°, CfPePēPNē
PsC,CfPēPjCfC" PμP·PμC,PēPjC-P± C,P° C,,PμPSPsC,,C-P±CfP°C,, PīPsPeP°P·P°PSC-
PsP±CfC,PμP¶PμPSPSCf P¶PsPIC±PSPsPiPs PjC-C...CfCfP°, P° C,P°PeCf C,PμCfP°PīC-Cf
CfP»C-Pr PīCfPēPīPēPSPēC,Pē.

PiPēPeP»PsCfPīPsCfPēPS

PŸP»C-Pr P· PsP±PμCfPμP¶PSC-CfC,Cf CfPSP·PīPsC±PēPSP°C,Pē P»C-PeCfPIP°PSPSCf
PμP·PμC,PēPjC-P±PsPj PīP°C†C-C"PSC,P°PjPē, CfPeC- PīCfPēPNēPjP°CfC,CH
C†PēPeP»PsCfPīPsCfPēPS. Pj PīP°C†C-C"PSC,C-PI, CfPeC- PīCfPēPNēPjP°CfC,CH
PμP·PμC,PēPjC-P± C,P° C†PēPeP»PsCfPīPsCfPēPS, CfP»C-Pr PīPμCfPμPIC-CfCfC,Pē
PePsPSC†PμPSC,CfP°C†C-C— C†PēPeP»PsCfPīPsCfPēPSCf.

PfPSC,PēPePsP°PiCzP»CfPSC,Pē

PīPeC%Ps PμP·PμC,PēPjC-P± P·P°CfC,PsCfPsPICfPIP°C,Pē PSP° C,P»C- PīCfPēPNēPsPjCf
PIP°CfC,,P°CfPēPSCf, C-PSC€PsPiPs PeCfPjP°CfPēPSPsPiPs
P°PSC,PēPePsP°PiCfP»CfPSC,Cf P°P±Ps C,,P»CfC—PSPrC-PsPSCf, CfP»C-Pr PSP°P»PμP¶PSPēPj
C±PēPSPsPj PīPμCfPμPIC-CfCfC,Pē PjC-P¶PSP°CfPSPrPSPμ PSPsCfPjP°P»C-P·PsPIP°PSPμ
PIC-PrPSPSC€PμPSPSCf (PħP'kP').

***P—P°CfC,PsCfCzPIP°PSPSCf Cz PīPμCfC-PsPr PIP°PiC-C,PSPsCfC,C- P°P±Ps
PīPsPrCzPIP°PSPSCf PiCfCzPrPrCf.***

PŸPμCfP°PīC-Cf PμP·PμC,PēPjC-P±PsPj Cf PePsPjP±C-PSP°C†C-C— P·C- CfC,P°C,PēPSPsPj
PīCfPsC,PēPīPsPeP°P·P°PSP° Cf PīPμCfC-PsPr PIP°PiC-C,PSPsCfC,C- P°P±Ps
PīPsPrCfPIP°PSPSCf PīCfCfPrPrCf (PrPēPI. CfPSP·PrC-P»
B«PμCfPsC,PēPīPsPeP°P·P°PSPSCfB»); CfP»C-Pr PsP·PSP°PNēPsPjPēC,PēCfCf P·
C-PSCfC,CfCfPeC†C-C"Cf PrP»Cf P·P°CfC,PsCfCfPIP°PSPSCf PrP»Cf C†CHPsPiPs
CfC,P°C,PēPSCf.

P'P°PiC-C,PSC-CÍC,CH

P·P·PμC,PëPjC-P± CÍP»C-Pr PíCḡPëP·PSP°C†P°C,Pë C,C-P»CHPePë PIP°PiC-C,PSPëPj P¶C-PSPeP°Pj, C¶PeC%Ps C†Pμ C¶IPSPs PSPμPsP±C...C-PrPSPs. PḡP»C-PSC-C†PSC- PrP°PSC- PíCḡPs P·P°CÍC,PscÍC†PIP°PSPSC¶ PμP·PμC,PëPjC-P±C† C† PíPμCḡC-PsPr PIP°PiC-C,PSPsCÍC,C- PIC-PrCÍC†C,PSC-. P''PsCÍP»C-PrP¶PμPSPSC¶ PSP° C,PIP°CḡPëPSP°C... C-P· PIPëPePsCḡPëCÍC,P°PSPSC¶Pj PμP·PμC,PëPjC-P±C† PI C¶PePsCÍC,C- PjPsPSPsC,PμCḡP°PíC-C— PíPsPeP°P·P°P»Pë PIC-PrCÍC†C,PSC-CÍC,CH PíCḡC¶PjPsPiPs P°P±Ps PSPμPíCḡC¶PjPsPiPs C¶PeC-PrP»PëPIPpsPiPs PIPiP»PëPIC† PSP° PIP°PiC-C,PSC-CÍC,CH, C,,PμC,PspμPjP±CḡC-PsPSP°P»CHPSPëPNë CḡPsP·PIPëC,Pspe, PíPsP»PsPiPë P°P±Ps PíPsCÍC,PSP°C,P°P»CHPSPëPNë PíPμCḡC-PsPr CḡPsP·PIPëC,PeC†.

P''PsPrC¿PIP°PSPSC¶ PiCḡC¿PrPrCḡ

P·P·PμC,PëPjC-P± PSPμ CÍP»C-Pr P·P°CÍC,PscÍC†PIC†PIP°C,Pë C† PíPμCḡC-PsPr PíPsPrC†PIP°PSPSC¶ PiCḡC†PrPrCḡ. P''PsCÍP»C-PrP¶PμPSPSC¶ PSP° C%C†CḡP°C... PíPsPeP°P·P°P»Pë, C%Ps PμP·PμC,PëPjC-P± PíCḡPsPSPëPeP°C'' PjPsP»PsPePs P»P°PeC,C†CḡC†PëC... C,PIP°CḡPëPS. PḡPμPIC-PrPsPjPs, C†Pë PíCḡPsPSPëPeP°C'' PμP·PμC,PëPjC-P± C† PiCḡC†PrPSPμ PjPsP»PsPePs P»CḡPrPëPSPë.

PαPμCḡC,PëP»CHPSC-CÍC,CH

PḡP»C-PSC-C†PSC- PrP°PSC- PíCḡPs PIPiP»PëPI PμP·PμC,PëPjC-P±C† PSP° C,,PμCḡC,PëP»CHPSC-CÍC,CH P»CḡPrPëPSPë PIC-PrCÍC†C,PSC-. P·P·PμC,PëPjC-P± PSPμ PíPsPeP°P·P°PI P¶PsPrPSPsPiPs PIPiP»PëPIC†.

P—PrP°C,PSC-CÍC,CH PIPiP»PëPIP°C,Pë PSP° C¶PIPëPrPeC-CÍC,CH CḡPμP°PeC†C-C— PíCḡPë PePμCḡC¿PIP°PSPSC- P°PIC,Psc,CḡP°PSCÍPíCḡC,Pspj P°P±Ps C-PSC¶PëPjPë PjPμC...P°PSC-P·PjP°PjPë.

P''PsCÍP»C-PrP¶PμPSCḡ C%PsPrPs PIPiP»PëPIC† PSP° P·PrP°C,PSC-CÍC,CH PePμCḡC†PIP°C,Pë P°PIC,PspjPsP±C-P»PμPj C,P° C-PSC¶PëPjPë PjPμC...P°PSC-C†PSPëPjPë P·P°CÍC†PsP±P°PjPë PSPμ PíCḡPsPIPpsPrPëP»Pë. PḡP»Pμ CÍP»C-Pr PICḡP°C...PsPIC†PIP°C,Pë, C%Ps PíPsPIC-PrPsPjP»C¶P»Pë PíCḡPs P·P°PíP°PjPsCḡPsC†PμPSPSC¶ PíCḡPë PePμCḡC†PIP°PSPSC- P°PIC,PspjPsP±C-P»PμPj C,P° C-PSC¶PëPjPë PjPμC...P°PSC-P·PjP°PjPë.

PŸPíPsCÍC-P± P·P°CÍC,PscÍC¿PIP°PSPSC¶ C,P° PrPsP·Pë.

PμCḡPsC,C¶PiPsPj C†CÍCHPsPiPs PeC†CḡCÍC† P»C-PeC†PIP°PSPSC¶ PμP·PμC,PëPjC-P±PsPj PíP°C†C-C''PSC, PíPsPIPëPSPμPS PrPsC,CḡPëPjC†PIP°C,PëCÍC¶ CÍC,P°PSPPrP°CḡC,PSPsC— P»C-PíC-PrPsP·PSPëP¶C†PIP°P»CHPSPsC— PrC-C''C,Pë.

P''PsP·C†PIP°PSPSC¶

P PμPePsPjPμPSPPrPsPIP°PSP° PrPsP·P° PμP·PμC,PëPjC-P±C† CÍC,P°PSPsPIPëC,CH 10 PjPi (1 C,P°P±P»PμC,PeP°) PSP° PrPsP±C†.

$\text{P}_{\text{H}}\text{C}\overline{\text{H}}\text{P}_{\text{H}}\text{P}^{\circ}\text{C}\overline{\text{H}}\text{P}^{\circ}\text{C}, \text{P}\cdot\text{P}^{\circ}\text{C}\overline{\text{I}}\text{C}, \text{P}_{\text{S}}\text{C}\overline{\text{I}}\text{P}_{\text{S}}\text{P}\text{I}\text{C}\overline{\text{r}}\text{P}\text{I}\text{P}^{\circ}\text{C}, \text{P}_{\text{E}}\text{P}\overline{\text{I}}\text{P}_{\text{H}}\text{C}\overline{\text{H}}\text{P}_{\text{S}}\text{C}\overline{\text{H}}\text{P}^{\circ}\text{P}\rangle\text{C}\overline{\text{H}}\text{P}\text{S}\text{P}\text{S}. \text{P}\cdot\text{P}\cdot\text{P}_{\text{H}}\text{C}, \text{P}_{\text{E}}\text{P}_{\text{J}}\text{C}-\text{P}\pm$
 $\text{P}_{\text{J}}\text{P}_{\text{S}}\text{P}\overline{\text{I}}\text{P}\text{S}^{\circ}\text{P}^{\circ}\text{P}\overline{\text{I}}\text{C}\overline{\text{H}}\text{P}_{\text{E}}\text{P}_{\text{N}}\text{P}_{\text{J}}\text{P}^{\circ}\text{C}, \text{P}_{\text{E}}\text{C}\overline{\text{r}}\text{P}\pm\text{C}\overline{\text{r}}\text{P}\text{r}\text{C}\overline{\text{H}}-\text{C}\overline{\text{I}}\text{P}_{\text{E}}\text{P}_{\text{E}}\text{P}_{\text{N}}\text{C}\text{C}\overline{\text{r}}\text{P}^{\circ}\text{C}\overline{\text{I}}\text{P}\text{r}\text{P}_{\text{S}}\text{P}\pm\text{P}_{\text{E}}\text{P}\text{S}\text{P}_{\text{H}}\text{P}\cdot\text{P}^{\circ}\text{P}\rangle\text{P}_{\text{H}}\text{P}\overline{\text{I}}\text{P}\text{S}\text{P}\text{S}$
 $\text{P}\text{I}\text{C}-\text{P}\text{r}\text{P}\overline{\text{I}}\text{C}\overline{\text{H}}\text{P}_{\text{E}}\text{P}_{\text{N}}\text{P}_{\text{S}}\text{P}_{\text{J}}\text{C}\overline{\text{r}}\text{C}-\text{P}\overline{\text{I}}\text{C}-.$

$$\begin{aligned} & \text{P}\acute{\text{K}}\text{P}^{\circ} \text{ P}\ddot{\text{I}}\text{P}\text{S}\text{C}\ddagger\text{P}^{\circ}\text{C}, \text{P}\text{e}\text{C}\acute{\text{r}} \text{ P}\gg\text{C}-\text{P}\text{e}\text{C}\acute{\text{r}}\text{P}\text{I}\text{P}^{\circ}\text{P}\text{S}\text{P}\text{S}\text{C}\text{I}\text{I} \text{ P}\text{S}\text{P}\mu\text{P}\text{S}\text{P}\pm\text{C}\dots\text{C}-\text{P}\text{r}\text{P}\text{S}\text{P}\ddot{\text{e}}\text{P}\text{N}\text{z} \text{ P}\text{S}\text{P}^{\circ}\text{P}\ddot{\text{I}}\text{P}\gg\text{C}\text{I}\text{I}\text{P}\text{r} \\ & \text{C}\acute{\text{r}}\text{P}\ddot{\text{I}}\text{P}\mu\text{C}\ddagger\text{C}-\text{P}^{\circ}\text{P}\gg\text{C}-\text{C}\acute{\text{r}}\text{C}, \text{P}^{\circ}. \end{aligned}$$

$P''C-C, P\ddot{e}C, P^\circ$ $PiC-PrP \gg C-C, PeP\ddot{e}PIC-PePsPjPIC-Pr6C\ddot{H}PsPeC-PI: PIC-PrPsPjPs, C\%Ps$
 $P \pm P\mu P \cdot P\ddot{i}P\mu PeP^\circ C, P^\circ P\mu C,, P\mu PeC, P\ddot{e}PIPSC-Cl' C, CH C\%PsPrPs$
 $P \cdot P^\circ Cl' C, PsCl' C\ddot{r}PIP^\circ PSPSC\ddot{U} P\mu P \cdot P\mu C, P\ddot{e}PjC-P \pm C\ddot{r} PrC-C, ClPj PIC-PePsPj PIC-Pr6PrPs$
 $17C\ddot{H}PsPeC-PI PSP\mu PICl' C, P^\circ PSPsPIP \gg P\mu PSP^\circ. P\acute{K}P^\circ ClPIPSC- PSP^\circ PrP^\circ PSP\ddot{e}PN\ddot{e} C\ddot{r}P^\circ Cl'$
 $PrP^\circ PSC- PSP^\circ PIPsPrCl\ddot{U}C, CHCl' Cl\ddot{U} C\ddot{r} C\ddot{H}PsP \cdot PrC-P \gg P^\circ C...$
 $B \langle P\acute{\alpha}P^\circ C\ddot{H}PjP^\circ PePsPrP\ddot{e}PSP^\circ PjC-PeP^\circ B \rangle, B \langle P\acute{\alpha}P^\circ C\ddot{H}PjP^\circ PePsPeC-PSP\mu C, P\ddot{e}C\ddot{r}PSC-$
 $PIP \gg P^\circ Cl' C, P\ddot{e}PIPsCl' C, C-B \rangle, B \langle PhCl' PsP \pm P \gg P\ddot{e}PIPsCl' C, C- P \cdot P^\circ Cl' C, PsCl' C\ddot{r}PIP^\circ PSPSC\ddot{U}B \rangle,$
 $B \langle P\mu PsP \pm C-C\ddot{r}PSC- C\ddot{H}P\mu P^\circ PeC\ddot{r}C-C-B \rangle, P^\circ P \gg P\mu C\ddot{H}P\mu PePsPjP\mu PSPPrP^\circ C\ddot{r}C-C- C\%PsPrPs$
 $PrPsP \cdot C\ddot{r}PIP^\circ PSPSC\ddot{U} PSP\mu PjPsP\uparrow P \gg P\ddot{e}PIC-.$

$\text{P}_{\text{u}}\text{C}\text{H}_2\text{P}\ddot{\text{e}} \text{ P}\ddot{\text{e}}\text{C}\text{H}_2\text{P}\ddot{\text{e}}\text{P}\text{N}_2\text{P}\text{sPjC}- \text{P}_{\text{u}}\text{P}\cdot\text{P}_{\text{u}}\text{C}, \text{P}\ddot{\text{e}}\text{PjC}-\text{P}\pm\text{C}\acute{\text{r}} \text{ P}\cdot\text{C}- \text{C}\acute{\text{r}}\text{C}, \text{P}^\circ\text{C}, \text{P}\ddot{\text{e}}\text{PSPsPj} \text{ C}\acute{\text{r}}\text{P}\gg\text{C}-\text{Pr}$
 $\text{PsP}\cdot\text{PSP}^\circ\text{P}\text{N}_2\text{P}\text{sPjP}\ddot{\text{e}}\text{C}, \text{P}\ddot{\text{e}}\text{C}\acute{\text{r}}\text{C}\text{H} \text{ P}\cdot \text{C}-\text{PSC}\acute{\text{r}}\text{C}, \text{C}\text{H}\text{C}\acute{\text{r}}\text{P}\text{eC}\dagger\text{C}-\text{C}''\text{C}\text{H} \text{ PrP}\gg\text{C}\text{H} \text{ P}\cdot\text{P}^\circ\text{C}\acute{\text{r}}\text{C}, \text{PsC}\acute{\text{r}}\text{C}\acute{\text{r}}\text{PIP}^\circ\text{PSPSC}\text{H}$
 $\text{C}\%_{\text{oo}}\text{PsPrPs} \text{ PrPsP}\cdot\text{C}\acute{\text{r}}\text{PIP}^\circ\text{PSPSC}\text{H} \text{ PrP}\gg\text{C}\text{H} \text{ PrC}-\text{C}, \text{P}_{\text{u}}\text{P}\text{N}_2.$

$P''C-C,P\ddot{e} \text{ PIC-PePsPj PrPs } 6 \text{ C}\tilde{\text{H}}\text{PsPeC-PI: PIC-PrPsPjPs, } C_{\%o}\text{Ps } P\pm P_{\mu}P\cdot P_iP_{\mu}PeP^{\circ} \text{ C}, P^{\circ}$
 $P_{\mu}C,, P_{\mu}PeC, P\ddot{e}PIPSC-\dot{C}\acute{I}C, CH \text{ } C_{\%o}\text{PsPrPs } P\cdot P^{\circ}\dot{C}\acute{I}C, Ps\dot{C}\acute{I}C_rPIP^{\circ}PSPSCI$
 $P_{\mu}P\cdot P_{\mu}C, P\ddot{e}P_jC-P\pm Cr \text{ PrC-C, CIIPj PIC-PePsPj PrPs } 6 \text{ C}\tilde{\text{H}}\text{PsPeC-PI PSP}_{\mu}$
 $PIC\dot{I}C, P^{\circ}PSP_sPIP\rangle P_{\mu}PSP^{\circ}. P_tPSC,, PsC\tilde{\text{H}}P_jP^{\circ}C_tC-CI \text{ PIC-Pr}\dot{C}\acute{I}C_rC, PSCI.$

PuPμCᄵPμPᄢPsP·CżPIP°PSPSCᄢ.

Pj PrPsCfP»C-PrP¶PµPSPSC¶C... PIPµPrPµPSPSC¶ PµP·PµC,PëPjC-P±Cr 50 PjPi/PrPsP±Cr 15
P·PrPsC¶PµPIPëPj CrC±P°CfPSPëPeP°Pj Pïc¶PµC,C¶PiPsPj 14 PrPSC-PI P°P±Ps 40 PjPi/PrPsP±Cr
18 PïP°CfC-C”PSC,P°Pj P· PïPµC¶PIPëPSPSPsC¶
PiC-PïPµC¶C...PsP»PµCfC,PµC¶PëPSPµPjC-C”C¶ Pïc¶PµC,C¶PiPsPj PrPs 56 PrPSC-PI, C¶Pe
Pïc¶P°PIPëP»Ps, PrPsP±C¶Pµ PïPµC¶PµPSPsCfPëP»PsCfC¶. Pj C,PIP°C¶PëPS
C,PsPeCfPëC±PSC-CfC,C¶ PSPµ CfPïPsCfC,PµC¶C-PiP°P»P°CfC¶, Pïc-CfP»C¶
PsPrPSPsC¶P°P·PsPIPëC... PïPµC¶PµC¶P°P»C¶PSPëC... PrPsP· 5000 PjPi/PePi
PµP·PµC,PëPjC-P±Cr Cr C%CrC¶C-PI C,P° PjPëC¶PµPµ C,P° 3000 PjPi/PePi Cr CfPsP±P°Pe.

$\text{P}_{\mu}\text{PsPIC}-\text{PrPsPjP}\gg\text{C}\text{IIP}\gg\text{P}\ddot{\text{e}}\text{ P}\ddot{\text{I}}\text{C}\text{H}\text{Ps}\text{ PrP}_{\mu}\text{PeC}-\text{P}\gg\text{CHbPeP}^{\circ}\text{ PIP}\ddot{\text{e}}\text{P}\ddot{\text{I}}^{\circ}\text{PrPeC}-\text{PI}$
 $\text{P}\ddot{\text{I}}\text{P}_{\mu}\text{C}\text{H}\text{P}_{\mu}\text{PrPsP}\cdot\text{C}\ddot{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\text{I}\text{ P}_{\mu}\text{P}\cdot\text{P}_{\mu}\text{C},\text{P}\ddot{\text{e}}\text{PjC}-\text{P}\pm\text{PsPj};\text{ C}\ddot{\text{r}}\text{ P}\pm\text{C}-\text{P}\gg\text{CHbC}\epsilon\text{PsC}\ddot{\text{I}}\text{C},\text{C}-$
 $\text{PIP}\ddot{\text{e}}\text{P}\ddot{\text{I}}^{\circ}\text{PrPeC}-\text{PI}\text{ P}\ddot{\text{I}}\text{P}_{\mu}\text{C}\text{H}\text{P}_{\mu}\text{PrPsP}\cdot\text{C}\ddot{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\text{I}\text{ PSP}_{\mu}\text{ C}\ddot{\text{I}}\text{P}\ddot{\text{I}}\text{C}\text{H}\text{P}\ddot{\text{e}}\text{C}\ddot{\text{I}}\text{P}\ddot{\text{e}}\text{PSP}\ddot{\text{e}}\text{P}\gg\text{Ps}$
 $\text{PSP}_{\mu}\text{P}\pm\text{P}^{\circ}\text{P}\text{P}\text{P}^{\circ}\text{PSP}\ddot{\text{e}}\text{C}\dots\text{ C}\text{IPIP}\ddot{\text{e}}\text{C}\%_{\circ}\text{.B}\text{ P}\acute{\text{K}}\text{P}_{\mu}\text{P}\pm\text{P}^{\circ}\text{P}\text{P}\text{P}^{\circ}\text{PSC}-\text{ C}\text{IPIP}\ddot{\text{e}}\text{C}\%_{\circ}\text{P}^{\circ},\text{ C}\text{IPeC}-$
 $\text{C}\ddot{\text{I}}\text{P}\ddot{\text{I}}\text{PsC}\ddot{\text{I}}\text{C},\text{P}_{\mu}\text{C}\text{H}\text{C}-\text{P}\ddot{\text{I}}\text{P}^{\circ}\text{P}\gg\text{P}\ddot{\text{e}}\text{C}\ddot{\text{I}}\text{C}\text{I},\text{ PSP}_{\mu}\text{ P}\pm\text{C}\ddot{\text{r}}\text{P}\gg\text{P}\ddot{\text{e}}\text{ C}\ddot{\text{I}}\text{P}_{\mu}\text{C}\text{H}\text{P}\text{N}_{\circ}\text{PsP}\cdot\text{PSP}\ddot{\text{e}}\text{PjP}\ddot{\text{e}}.\text{ Pj}\text{ C}\text{H}\text{P}^{\circ}\text{P}\cdot\text{C}-$
 $\text{P}\ddot{\text{I}}\text{P}_{\mu}\text{C}\text{H}\text{P}_{\mu}\text{PrPsP}\cdot\text{C}\ddot{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\text{I}\text{ C}\ddot{\text{I}}\text{P}\gg\text{C}-\text{Pr}\text{ PIP}\text{P}\ddot{\text{e}}\text{C},\text{P}\ddot{\text{e}}\text{ C}\ddot{\text{I}}\text{P}\ddot{\text{e}}\text{PjP}\ddot{\text{I}}\text{C},\text{PsPjP}^{\circ}\text{C},\text{P}\ddot{\text{e}}\text{C}\ddot{\text{I}}\text{PSP}\ddot{\text{e}}\text{C}\dots\text{ C},\text{P}^{\circ}$
 $\text{P}\ddot{\text{I}}\text{C}-\text{PrC},\text{C}\text{H}\text{P}\ddot{\text{e}}\text{PjC}\ddot{\text{r}}\text{C}\text{H}\text{C}\ddot{\text{I}}\text{P}\ddot{\text{e}}\text{C}\dots\text{ P}\cdot\text{P}^{\circ}\text{C}\dots\text{PsPrC}-\text{PI}.$

$$P_{\psi}P_{\sigma}P_{\pm}C-C\neq PSC-C\bar{H}P_{\mu}P^{\circ}P_{\epsilon}C\neq C-C-.$$
$$\text{P}\ddot{\text{K}}\text{P}\ddot{\text{E}}\text{P}\text{P}\text{C}\ddot{\text{C}}\text{P}\text{P}\text{P}\text{S}\text{P}^{\circ}\text{P}\text{I}\text{P}\text{P}\text{P}\text{r}\text{P}\text{P}\text{P}\text{S}\text{P}\ddot{\text{E}}\text{P}\text{N}\text{P}\text{C}\text{I}\ddot{\text{C}}\text{P}\ddot{\text{I}}\text{P}\ddot{\text{E}}\text{C}\ddot{\text{I}}\text{P}\text{S}\text{P}\text{e}\text{P}\ddot{\text{I}}\text{P}\text{S}\text{P}\pm\text{C}-\text{C}\ddot{\text{C}}\text{P}\text{S}\text{P}\ddot{\text{E}}\text{C}\dots\text{C}\ddot{\text{H}}\text{P}\text{P}\text{P}^{\circ}\text{P}\text{e}\text{C}\ddot{\text{C}}\text{P}-\text{P}\text{N}\text{P}$$

(PeP»C-PSC-C#PSC- PrPsCfP»C-PrP¶PµPSPSC¶ C,P°
 PīC-CfP»C¶C¶PµC" CfC,C¶P°C†C-PN₂PSPēPN₂ PīPµC¶C-PsPr). PJ PrPsCfP»C-PrP¶PµPSPSC¶C...
 C,C¶PēPIP°P»C-CfC,C¶ PrPs 112 C,PēP¶PSC-PI PµP·PµC,PēPjC-P± Cr PrPsP·C- 10 PjPi PSP°
 PrPsP±Cr PIPsPrPēP»Pē PsPeC¶PµPjPs 2396 PīP°C†C-C" PSC,P°Pj P°P±Ps PI
 PePsPjP±C-PSP°C†C-C— P·C- CfC,P°C,PēPSPsPj 11308 PīP°C†C-C" PSC,P°Pj P°P±Ps
 C,,PµPSPsC,,C-P±C¶P°C,PsPj
 185 PīP°C†C-C" PSC,P°Pj. PµPsP±C-C#PSC- C¶PµP°PeC†C-C—, C¶Pe PīC¶P°PIPēP»Ps, P±CrP»Pē
 PSPµP·PSP°C#PSPēPjPē C,P° PePsC¶PµC,PePsC,C¶PēPIP°P»PēPjPē. P—P°PīP°P»CHPSP°
 C#P°CfC,PsC,P° PīPsP±C-C#PSPēC... C¶PµP°PeC†C-PN₂ P±CrP»P° PīPsPrC-P±PSPsC¶ PjC-P¶
 PµP·PµC,PēPjC-P±PsPj C,P° PīP»P°C†PµP±Ps. P¶PSP°P»PsPiC-C#PSPs, C#P°CfC,PsC,P°
 PīC¶PēPīPēPSPµPSPSC¶ P»C-PeCrPIP°PSPSC¶ C#PµC¶PµP· PSPµP±P°P¶P°PSC- C¶PIPēC%P°
 P±CrP»P° CfPīC-PICfC,P°PIPSPsC¶ PjC-P¶ PµP·PµC,PēPjC-P±PsPj C,P° PīP»P°C†PµP±Ps.

P·P·PµC,PēPjC-P± Cž C¶PePsCfC,C- PjPsPSPsC,PµC¶P°PīC-C— P°P±Ps PI
PePsPjP±C-PSP°C†C-C— P·C- CfC,P°C,PēPSPsPj

PkPēP¶C#PµP·P°P·PSP°C#PµPSC- PīPsP±C-C#PSC- C¶PµP°PeC†C-C—
 CfPīPsCfC,PµC¶C-PiP°P»PēCfC¶ Cr PeP»C-PSC-C#PSPēC...
 PrPsCfP»C-PrP¶PµPSPSC¶C... Cr PīP°C†C-C" PSC,C-PI, C¶PeC- P»C-PeCrPIP°P»PēCfC¶
 PµP·PµC,PēPjC-P±PsPj (N = 2396), C,P° PIPēPSPēPeP°P»Pē C#P°CfC,C-C¶Pµ, PSC-P¶ Cr
 PīC¶CfPīC- PīP»P°C†PµP±Ps (N = 1159), P°P±Ps CfPīPsCfC,PµC¶C-PiP°P»PēCfC¶ Cr
 PīP°C†C-C" PSC,C-PI, C¶PeC- P»C-PeCrPIP°P»PēCfC¶ PµP·PµC,PēPjC-P±PsPj
 CfCfPīCfC,PSCHPs P·C- CfC,P°C,PēPSPsPj (N = 11308), C,P° PIPēPSPēPeP°P»Pē
 C#P°CfC,C-C¶Pµ, PSC-P¶ Cr PīC¶CfPīC- PīC¶PēPN₂PsPjCr C,C-P»CHPePē CfC,P°C,PēPSCr (N =
 9361). PµPsP±C-C#PSC- C¶PµP°PeC†C-C— Cr PīC-CfP»C¶C¶PµC" CfC,C¶P°C†C-PN₂PSPēPN₂
 PīPµC¶C-PsPr P±CrP»Pē PsC,C¶PēPjP°PSC- P· PīPsPIC-PrPsPjP»PµPSCH, Cr C¶PePēC...
 PµP·PµC,PēPjC-P± PIPsPrPēP»Pē P°P±Ps PsPeC¶PµPjPs, P°P±Ps CfCfPīCfC,PSCHPs P·C-
 CfC,P°C,PēPSPsPj.

P¶P°CfC,PsC,P° PIPēPSPēPePSPµPSPSC¶ PīPsP±C-C#PSPēC... PµC,,PµPeC,C-PI
 PeP»P°CfPēC,,C-PeCrC" C,CHCfC¶ C,P°PePēPj C#PēPSPsPj: PrCfP¶Pµ C#P°CfC,Ps (≥1/10),
 C#P°CfC,Ps (≥1/100 PrPs <1/10), PSPµC#P°CfC,Ps (≥1/1000 PrPs <1/100), C¶C-PrPePs (≥1/10000
 <1/1000), PrCfP¶Pµ C¶C-PrPePs
 (<1/10 000) C,P° PSPµPIC-PrPsPjPs (PSPµPjPsP¶P»PēPIPs PsC†C-PSPēC,Pē P·P°
 PSP°C¶IPSPēPjPē PrP°PSPēPjPē).

PhPsPSPsC,PµC¶P°PīC-C¶ PµP·PµC,PēPjC-P±PsPj		
PµP»P°CfPē CfPēCfC,PµPj PsC¶PIP°PSC-PI	PµPsP±C-C#PSC- C¶PµP°PeC†C-C—	P¶P°CfC,PsC,P°
P— P±PsPeCr PsP±PjC-PSCr C¶PµC#PsPIPēPS C,P° C...P°C¶C#CfPIP°PSPSC¶	P·PSPēP¶PµPSPSC¶ P°PīPµC,PēC,Cr	PkPµC#P°CfC,Ps
P— P±PsPeCr CfCfPrPēPSPSPSC— CfPēCfC,PµPjPē	PīC¶PēPīP»PēPIPē; PiC-PīPµC¶C,PµPSP·C-C¶	PkPµC#P°CfC,Ps
PµPsC¶CfC¶PµPSPSC¶ P· P±PsPeCr PrPēC...P°P»CHPSPsC— CfPēCfC,PµPjPē, PsC¶PiP°PSC-PI PīC¶CfPrPSPsC— PeP»C-C,PePē C,P° CfPµC¶PµPrPsCfC,C-PSPSC¶	PeP°C¶PµP»CH	PkPµC#P°CfC,Ps
P— P±PsPeCr C¶P»CfPSPePIPs- PePēC¶PePsPIPsPiPs C,C¶P°PeC,Cr	P°P±PrPsPjC-PSP°P»CHPSPēPN₂ P±C-P»CH; PrC-P°C¶PµC¶; PjPµC,PµPsC¶PēP·Pj PrPēCfPīPµPīCfC-C¶; PīP°CfC,C¶PsPµP·PsC,,P°PiPµP°P»CHPSPēPN₂ C¶PµC,,P»CHPeCf; PSCrPrPsC,P°	P¶P°CfC,Ps PkPµC#P°CfC,Ps

P— P±PsPeCf CГPePμP»PμC,PSPs- Pjвђ™ CЦP·PsPIPsC— C,P° CГPiPsP»CfC‡PSPsC— C,PeP°PSPëPSPë	P°CГC,CГђP°»PiC-CЦ; Pjвђ™ CЦP·PsPIC- CГPiP°P·PjPë; P±C-P»Чђ Cг C€PëC—	РќРμC‡P°CГC,Ps
P—P°PiP°P»ЧђPSC- PiPsCђCfC€PμPSPSCЦ C,P° CђPμP°PeC‡C-C— Cг PjC-CГC‡C- PIPIPμPrPμPSPSCЦ	PIC,PsPjP° P±C-P»Чђ Cг PiCђCfPrCЦC..., P±C-P»Чђ	PђP°CГC,Ps РќРμC‡P°CГC,Ps
P·P°P±PsCђP°C,PsCђPSC- PrPsCГP»C-PrP¶PμPSPSCЦ	PμC-PrPIPëC%PμPSPSCЦ PђP·Pђ C,P°/P°P±Ps PђPђPђ; PiC-PrPIPëC%PμPSPSCЦ CђC-PIPSCЦ PeCђPμP°C,PëPSC„PsCГC„PsPeC-PSP°P·Pë PI CГPëCђPsPIP°C,C‡C- PeCђPsPIC-; PiC-PrPIPëC%PμPSPSCЦ CђC-PIPSCЦ PiP°PjPjP°- PiP»CfC,P°PjC-P»C,CђP°PSCГC„PμCђP°P·Pë; CђPμP·CfP»ЧђC,P°C,Pë C„CfPSPeC‡C-PsPSP°P»ЧђPSPëC... PiPμC‡C-PSPePsPIPëC... PiCђPsP± PiPsP·P° PSPsCђPjPsCђ	РќРμC‡P°CГC,Ps
P°PsPrP°C,PePsPIC- PiPsP±C-C‡PSC- CђPμP°PeC‡C-C— PiCђPë CГCfPiCfC,PSCHPsPjCf PiCђPëPNPsPjC- PμP·PμC,PëPjC-P±Cf P·C- CГC,P°C,PëPSPsPj		
РљР»P°CГPë CГPëCГC,РμPj PsCђPiP°PSC-PI	РμPsP±C-C‡PSC- CђPμP°PeC‡C-C—	PђP°CГC,PsC,P°
P— P±PsPeCf PSPμCђPIPsPIPsC— CГPëCГC,РμPjPë	PiPsP»PsPIPSPëPNs P±C-P»Чђ PiP°CђPμCГC,РμP·C-CЦ	PђP°CГC,Ps РќРμC‡P°CГC,Ps
P— P±PsPeCf C€P»CfPSPePsPIPs- PePëC€PePsPIPsPiPs C,CђP°PeC,Cf	CГCfC...C-CГC,Чђ Cг CђPsC,C-; PiP°CГC,CђPëC,	РќРμC‡P°CГC,Ps
P— P±PsPeCf C€PeC-CђPë C,P° PiC-PrC€PeC-CђPSPëC... C,PeP°PSPëPS	CГPIPμCђP±C-P¶; PIpëCГPëPiP°PSPSCЦ; PeCђPsPiPëPiвђ™ CЦPSPeP°	РќРμC‡P°CГC,Ps
P— P±PsPeCf CГPePμP»PμC,PSPs- Pjвђ™ CЦP·PsPIPsC— C,P° CГPiPsP»CfC‡PSPsC— C,PeP°PSPëPSPë	PjC-P°P»PiC-CЦ P±C-P»Чђ Cг CГPiPëPSC-; CГP»P°P±PeC-CГC,Чђ Pjвђ™ CЦP·C-PI; P±C-P»Чђ Cг PeC-PSC‡C-PIPeP°C...	PђP°CГC,Ps РќРμC‡P°CГC,Ps
P—P°PiP°P»ЧђPSC- PiPsCђCfC€PμPSPSCЦ C,P° CђPμP°PeC‡C-C— Cг PjC-CГC‡C- PIPIPμPrPμPSPSCЦ	P°CГC,РμPSC-CЦ; PiPμCђPëC„PμCђPëC‡PSC- PSP°P±CђCЦPePë	РќРμC‡P°CГC,Ps
P·P°P±PsCђP°C,PsCђPSC- PrPsCГP»C-PrP¶PμPSPSCЦ	PμC-PrPIPëC%PμPSPSCЦ PђP·Pђ C,P°/P°P±Ps PђPђPђ	PђP°CГC,Ps
PμC-CГP»CЦCђPμC°CГC,CђP°C‡C-PNsPSPëPNs PiPμCђC-PsPr (P·C- CГC,P°C,PëPSPsPj P°P±Ps P±PμP· PSCHPsPiPs)		
РљР»P°CГPë CГPëCГC,РμPj PsCђPiP°PSC-PI	РμPsP±C-C‡PSC- CђPμP°PeC‡C-C—	PђP°CГC,PsC,P°
P— P±PsPeCf CГPëCГC,РμPjPë PeCђPsPIPsC,PIPsCђPμPSPSCЦ C,P° P»C-PjC„P°C,PëC‡PSPsC— CГPëCГC,РμPjPë	C,CђPsPjP±PsC‡PëC,PsPiPμPSC-CЦ	РќРμPIC-PrPsPjC-
P— P±PsPeCf C-PjCfPSPSPsC— CГPëCГC,РμPjPë	PiC-PiPμCђC‡CfC,P»PëPIC-CГC,Чђ, PIPeP»CђC‡P°CђC‡Pë PIpëCГPëPiP°PSPSCЦ, PeCђPsPiPëPiвђ™ CЦPSPeCf, P°PSP°C„C-P»P°PeCГC-Cђ C,P° P°PSPiC-PsPSPμPICђPsC,PëC‡PSPëPNs PSP°P±CђCЦPe	РќРμPIC-PrPsPjC-
PμCГPëC...C-C‡PSC- PiPsCђCfC€PμPSPSCЦ	PrPμPiCђPμCГC-CЦ	РќРμPIC-PrPsPjC-
P— P±PsPeCf PSPμCђPIPsPIPsC— CГPëCГC,РμPjPë	P·P°PiP°PjPsCђPsC‡PμPSPSCЦ; PiP°CђPμCГC,РμP·C-CЦ	РќРμPIC-PrPsPjC-
P— P±PsPeCf PrPëC...P°P»ЧђPSPsC— CГPëCГC,РμPjPë, PsCђPiP°PSC-PI PiCђCfPrPSPsC— PeP»C-C,PePë C,P° CГPμCђPμPrPsCГC,C-PSPSCЦ	PrPëCГPiPSPsPμ	РќРμPIC-PrPsPjC-
P— P±PsPeCf C€P»CfPSPePsPIPs- PePëC€PePsPIPsPiPs C,CђP°PeC,Cf	PiP°PSPeCђPμP°C,PëC,; P·P°PiPsCђ	РќРμPIC-PrPsPjC-
P— P±PsPeCf PiPμC‡C-PSPePë C- P¶PsPIC‡PsPIPëPIC-PrPSPëC... C€P»CЦC...C-PI	PiPμPiP°C,PëC,; C...PsP»PμP»C-C,C-P°P·; C...PsP»PμC‡PëCГC,PëC,	РќРμPIC-PrPsPjC-
P— P±PsPeCf C€PeC-CђPë C,P° PiC-PrC€PeC-CђPSPëC... C,PeP°PSPëPS	PjCfP»ЧђC,PëC„PsCђPjPSP° PμCђPëC,РμPjP°	РќРμPIC-PrPsPjC-

P— P±PsPeCf CíPePμP»PμC,PSPs- PjB TM CÍP·PsPIPSC— C,P° CíPíPsP»CfC±PSPsC— C,PeP°PSPëPSPë	PjC-P°P»PiC-Cl; PjC-PsPíP°C,C-Cl/C ₇ P°P±PrPsPjC-PsP»C-P·	PkPμPIC-PrPsPjC-
P—P°PíP°P»CHPSC- PíPsC ₇ CfCëPμPSPSCÍ C,P° C ₇ PμP°PeC†C-C— Cí PjC-CíC†C- PIPIPμPrPμPSPSCÍ	P°CíC,PμPSC-Cl	PkPμPIC-PrPsPjC-

PŸCzPíCzC,PSC-PNë PíC₇PëPNëPsPj PμP·PμC,PëPjC-P±Cz C,P° C,,PμPSPsC,,C-P±C₇P°C,Cz

PμPsC₇CfCëPμPSPSCÍ P· P±PsPeCf CëP»CfPSPePsPIPs-PePëCëPePsPIPsPíPs C,C₇P°PeC,Cf:
P°P±PrPsPjC-PSP°P»CHPSPëPNë P±C-P»CH (C±P°CíC,Ps).

PJ P±P°PíP°C,PsC†PμPSC,C₇PsPIPsPjCf PíPsPrPIC-PNëPSPsPjCf CíP»C-PíPsPjCf PíP»P°C†PμP±Ps-
PePsPSC,C₇PsP»CHPsPíP°PSPsPjCf PeP»C-PSC-C±PSPsPjCf PrPsCíP»C-PrP¶PμPSPSC- Cí
PíP°C†C-C" PSC,C-PI P·C- P·PjC-CëP°PSPsC₇ PíC-PíPμC₇P»C-PíC-PrPμPjC-C" C₇ 625
PíP°C†C-C" PSC,C-PI PsC,C₇PëPjCfPíP°P»Pë P»C-PeCfPíP°PSPSCÍ PíC₇PsC,CÍPíPsPj
PíPμC₇C-PsPrCf PrPs 12 C,PëP¶PSC-PI C- 576 PíP°C†C-C" PSC,C-PI PíC₇PsC,CÍPíPsPj
PíPμC₇C-PsPrCf PrPs 1 C₇PsPeCf. PJ C†CHPsPjCf PrPsCíP»C-PrP¶PμPSPSC- 172
PíP°C†C-C" PSC,Pë, CÍPeC- PsC,C₇PëPjCfPíP°P»Pë P»C-PeCfPíP°PSPSCÍ PμP·PμC,PëPjC-P±PsPj
C- C,,PμPSPsC,,C-P±C₇P°C,PsPj, P·P°PíPμC₇CëPëP»Pë 12-C,PëP¶PSPμPíPμ
P»C-PeCfPíP°PSPSCÍ, P°
230 PíP°C†C-C" PSC,C-PI, CÍPeC- PsC,C₇PëPjCfPíP°P»Pë P»C-PeCfPíP°PSPSCÍ
PμP·PμC,PëPjC-P±PsPj C- C,,PμPSPsC,,C-P±C₇P°C,PsPj (Cf C,PsPjCf C±PëCíP»C- 109
PíP°C†C-C" PSC,C-PI, CÍPeC- PsC,C₇PëPjCfPíP°P»Pë PμP·PμC,PëPjC-P± Cí CÍPePsCíC,C-
PjPsPSPsC,PμC₇P°PíC-C— PíC₇PsC,CÍPíPsPj PíPμC₇CëPëC... 12 C,PëP¶PSC-PI),
P·P°PíPμC₇CëPëP»Pë PsPrPSPsC₇C-±PSPμ P»C-PeCfPíP°PSPSCÍ. PíPμ
PrPsCíP»C-PrP¶PμPSPSCÍ P±CfP»Ps C₇PsP·C₇PsP±P»PμPSPs PSPμ PrP»CÍ
PíPsC₇C-PIPSÍPSPSCÍ PíC₇CfPí P»C-PeCfPíP°PSPSCÍ PSP° PíC₇PμPrPjPμC,
PíPëPSPëPePSPμPSPSCÍ PSPμC±P°CíC,PëC... CÍPIPëC%. P§P°CíC,PsC,Pë
PíPëPSPëPePSPμPSPSCÍ (95 % P"P†) PrP»CÍ PeP»C-PSC-C±PSPs PíP°P¶P»PëPíPëC...
PíC-PrPíPëC%PμPSC₇ (Cf 3 C₇P°P·Pë PíPëC%Pμ P·P° PíPμC₇C...PSC₇ PjPμP¶Cf PSPsC₇PjPë,
PíPsCíP»C-PrPsPíPSPμ) C₇C-PIPSÍPSPSCÍ CíPëC₇PsPíP°C,PePsPíPëC... C,C₇P°CíP°PjC-PSP°P·
CíC,P°PSPsPíPëP»Pë 4,5 % (1,9 C- 8,8) C,P° 2,7 % (1,2 C- 5,4) PrP»CÍ PjPsPSPsC,PμC₇P°PíC-C—
C,,PμPSPsC,,C-P±C₇P°C,PsPj C,P° PsPrPSPsC±P°CíPSPsPíPs P·P°CíC,PsCíCfPíP°PSPSCÍ
PμP·PμC,PëPjC-P±Cf P· C,,PμPSPsC,,C-P±C₇P°C,PsPj PIC-PrPíPsPIC-PrPSPs,
CíPePsC₇PμPíPsPíP°PSPëPj PrP»CÍ PμPeCíPíPsP·PëC†C-C— P»C-PeCfPíP°PSPSCÍ.
P'C-PrPíPsPIC-PrPSC- PíPsPeP°P·PSPëPePë C±P°CíC,PsC,Pë PíPëPSPëPePSPμPSPSCÍ PrP»CÍ
C...PsP»PμC†PëCíC,PμPeC,PsPjC-C— CíC,P°PSPsPíPëP»Pë 0,6 % (0,0 C- 3,1) C,P° 1,7 % (0,6 C-
4,0) PrP»CÍ PjPsPSPsC,PμC₇P°PíC-C— C,,PμPSPsC,,C-P±C₇P°C,PsPj C,P°
PsPrPSPsC±P°CíPSPsPíPs P·P°CíC,PsCíCfPíP°PSPSCÍ PμP·PμC,PëPjC-P±Cf P·
C,,PμPSPsC,,C-P±C₇P°C,PsPj PIC-PrPíPsPIC-PrPSPs, CíPePsC₇PμPíPsPíP°PSPëPj PSP° PrP»CÍ
PμPeCíPíPsP·PëC†C-C— P»C-PeCfPíP°PSPSCÍ.

P"C-C,Pë (PIC-PePsPj PIC-Pr 6 PrPs 17 C₇PsPeC-PI)

P'C-PrPsPjPs, C%Ps PíC-Pr C±P°Cí PrPsCíP»C-PrP¶PμPSPSCÍ P· CíC±P°CíC,C₇ PrC-C,PμPNë
PIC-PePsPj PIC-Pr 6 PrPs 10 C₇PsPeC-PI C-P· PíPμC,PμC₇PsP·PëPíPsC,PSPsC₇
CíC-PjPμPNëPSPsC₇ P°P±Ps PSPμCíC-PjPμPNëPSPsC₇
PíC-PíPμC₇C...PsP»PμCíC,PμC₇PëPSPμPjC-C" C₇ (n = 138) CíPíPsCíC,PμC₇C-PíP°P»PëCíCÍ
PíC-PrPíPëC%PμPSPSCÍ C₇C-PIPSÍPSPSCÍ P§P·P§ C- / P°P±Ps P§PŸPŸ (Cf 3 P°P±Ps

P±C-P»CHC€Pμ CḡP°P-C-PI PIPëC%Pμ P·P° PIPμCḡC...PSCḡ PjPμP¶Cḡ PSPsCḡPjPë,
 PīPsCḡP»C-PrPsPIPSPμ) Cḡ 1,1 %
 (1 PīP°C†C-C"ḡPSC,) PīP°C†C-C"ḡPSC,C-PI, CḡPeC- PsC,CḡPëPjCḡPīP°P»Pë P»C-PeCḡPīP°PSPSCḡ
 PμP·PμC,PëPjC-P±PsPj PīPsCḡC-PIPSCḡPSPs P· 0 % Cḡ PīCḡCḡPīC- PīP»P°C†PμP±Ps.
 PμC-PrPIPëC%PμPSCḡ CḡC-PIPSC-PI PḡPḡPḡ (Cḡ 10 C- P±C-P»CHC€Pμ CḡP°P-C-PI
 PIPëC%Pμ P·P° PIPμCḡC...PSCḡ PjPμP¶Cḡ PSPsCḡPjPë) PSPμ CḡPīPsCḡC,PμCḡC-PīP°P»PsCḡCḡ.
 PμCḡPs PIPëPīP°PrPePë PjC-PsPīP°C,C-C— PSPμ PīPsPIC-PrPsPjP»CḡP»Pë.

P'C-PrPsPjPs, C%Ps PīC-Pr C†P°Cḡ C-PSC€PsPīPs PrPsCḡP»C-PrP¶PμPSPSCḡ P·
 CḡC†P°CḡC,Cḡ PīC-PrP»C-C,PeC-PI (PIC-PePsPj PIC-Pr 10 PrPs 17 CḡPsPeC-PI) C-P·
 PīPμC,PμCḡPsP·PëPīPsC,PSPsCḡ CḡC-PjPμPḡPSPsCḡ
 PīC-PīPμCḡC...PsP»PμCḡC,PμCḡPëPSPμPjC-C"ḡCḡ (N = 248), CḡPīPsCḡC,PμCḡC-PīP°P»PëCḡCḡ
 PīC-PrPIPëC%PμPSPSCḡ PḡP·Pḡ C,P°/P°P±Ps PḡPḡPḡ (Cḡ 3 P°P±Ps P±C-P»CHC€Pμ CḡP°P-C-PI
 PIPëC%Pμ P·P° PIPμCḡC...PSCḡ PjPμP¶Cḡ PSPsCḡPjPë, PīPsCḡP»C-PrPsPIPSPμ) Cḡ 3 % (4
 PīP°C†C-C"ḡPSC,C-PI) Cḡ PīCḡCḡPīC- PμP·PμC,PëPjC-P±Cḡ/CḡPëPjPīP°CḡC,P°C,PëPSCḡ
 PīPsCḡC-PIPSCḡPSPs P· 2 % (2 PīP°C†C-C"ḡPSC,Pë) Cḡ PīCḡCḡPīC-
 PjPsPSPsC,PμCḡP°PīC-C— CḡPëPjPīP°CḡC,P°C,PëPSPsPj; C†C- PīPsPeP°P·PSPëPePë
 CḡC,P°PSPsPīPëP»Pë PIC-PrPīPsPIC-PrPSPs 2 % (2 PīP°C†C-C"ḡPSC,Pë) C- 0 %
 CḡC,PsCḡPsPIPSPs PīC-PrPIPëC%PμPSPSCḡ PeCḡPμP°C,PëPSC,,PsCḡC,,PsPeC-PSP°P·Pë
 (PḡPḡPḡ) Cḡ 10 C- P±C-P»CHC€Pμ CḡP°P-C-PI PIPëC%Pμ P·P° PIPμCḡC...PSCḡ PjPμP¶Cḡ
 PSPsCḡPjPë.B PμCḡPs PIPëPīP°PrPePë PjC-PsPīP°C,C-C— PSPμ PīPsPIC-PrPsPjP»CḡP»Pë.

Pj C†CHPsPjCḡ PrPsCḡP»C-PrP¶PμPSPSC- PSPμ PīPsCḡC-PIPSCḡPīP°P»Pë CḡC-PrPeC-CḡPSC-
 PīPsP±C-C†PSC- CḡPμP°PeC†C-C— PSP° PīCḡPμPīP°CḡP°C,.

PμP°C†C-C"ḡPSC,Pë P· C-C€PμPjC-C†PSPsCḡ C...PIPSCḡPsP±PsCḡ CḡPμCḡC†Cḡ C,P°
 PIPëPīP°PrPeP°PjPë P"ḡPḡPḡ Pī P°PSP°PjPSPμP·C-

Pj PrPsCḡP»C-PrP¶PμPSPSC- IMPROVE-IT (PrPëPI. CḡPsP·PrC-P»
 B«PḡP°CḡPjP°PePsPrPëPSP°PjC-PeP°B») P· CḡC†P°CḡC,Cḡ 18144 PīP°C†C-C"ḡPSC,C-PI,
 CḡPeC- PsC,CḡPëPjCḡPīP°P»Pë PμP·PμC,PëPjC-P±/CḡPëPjPīP°CḡC,P°C,PëPS 10/40 PjPi (n
 = 9067; P· CḡPePëC... 6 % PīP°C†C-C"ḡPSC,P°Pj P±CḡP»Ps PīC-PrPIPëC%PμPSPs PrPsP·Pë
 PμP·PμC,PëPjC-P±Cḡ/CḡPëPjPīP°CḡC,P°C,PëPSCḡ PrPs 10/80 PjPi) P°P±Ps
 CḡPëPjPīP°CḡC,P°C,PëPS 40 PjPi (n = 9077, P· PSPëC... 27 % P±CḡP»Ps PīC-PrPIPëC%PμPSPs
 PrPsP·Pë CḡPëPjPīP°CḡC,P°C,PëPSCḡ PrPs 80 PjPi), PīCḡPsC,,C-P»C- P±PμP·PīPμPePë
 P±CḡP»Pë PsPrPSP°PePsPīPëPjPë PīCḡPsC,CḡPīPsPj CḡPμCḡPμPrPSCḡPsPīPs
 PīPμCḡC-PsPrCḡ CḡPīPsCḡC,PμCḡPμP¶PμPSPSCḡ 6 CḡPsPeC-PI. PḡP°CḡC,PsC,P°
 PīCḡPëPīPëPSPμPSPSCḡ P»C-PeCḡPīP°PSPSCḡ C†PμCḡPμP· PSPμP±P°P¶P°PSC-
 CḡPīPëC%P° CḡC,P°PSPsPīPëP»P° 10,6 % Cḡ PīP°C†C-C"ḡPSC,C-PI, CḡPeC-
 PsC,CḡPëPjCḡPīP°P»Pë PμP·PμC,PëPjC-P±/CḡPëPjPīP°CḡC,P°C,PëPS, C- 10,1 % Cḡ
 PīP°C†C-C"ḡPSC,C-PI, CḡPeC- PsC,CḡPëPjCḡPīP°P»Pë CḡPëPjPīP°CḡC,P°C,PëPS. PḡP°CḡC,PsC,P°
 PjC-PsPīP°C,C-C— CḡC,P°PSPsPīPëP»P° 0,2 % PrP»Cḡ
 PμP·PμC,PëPjC-P±Cḡ/CḡPëPjPīP°CḡC,P°C,PëPSCḡ C,P° 0,1 % PrP»Cḡ
 CḡPëPjPīP°CḡC,P°C,PëPSCḡ, PrPμ PjC-PsPīP°C,C-Cḡ PIPëP·PSP°C†P°P»P°CḡCḡ CḡPe
 PjBḡ™ CḡP·PsPīP° CḡP»P°P±PeC-CḡC,CH P°P±Ps P±C-P»CH
 PSPμP·CḡPsP·CḡPjC-P»PsC— PμC,C-PsP»PsPīC-C— P· CḡC-PIPSPμPj
 PeCḡPμP°C,PëPSPeC-PSP°P·Pë Pī CḡPëCḡPsPīP°C,C†C- PeCḡPsPIC- Cḡ 10 P°P±Ps
 P±C-P»CHC€Pμ CḡP°P-C-PI PIPëC%Pμ P·P° P'ḡPḡPḡ P°P±Ps P· PrPīPsPjP°
 PīPsCḡP»C-PrPsPIPSPëPjPë CḡPμP·CḡP»CHC,P°C,P°PjPë PeCḡPμP°C,PëPSPeC-PSP°P·Pë Cḡ 5

$P^{\circ}P \pm Ps \ P \pm C - P \gg CHC \epsilon P_{\mu} \ C \bar{H} P^{\circ} P \cdot C - PI \ PIP \ddot{e} C \% P_{\mu} \ C -$ $C \acute{r} \ 10 \ C \bar{H} P^{\circ} P \cdot C - PI \ Pj P_{\mu} PSC \epsilon P_{\mu} \ P \cdot P^{\circ} \ P' P_{\text{H}} P \acute{K}.$
 $P \S P^{\circ} C \acute{I} C, PsC, P^{\circ} \ C \bar{H} P^{\circ} P \pm Pr Ps PjC - Ps P \gg C - P \cdot C \acute{r} \ C \acute{I} C, P^{\circ} PSPs PIP \ddot{e} P \gg P^{\circ} \ 0,1 \ \% \ Pr P \gg C \bar{I} \bar{I}$
 $P_{\mu} P \cdot P_{\mu} C, P \ddot{e} PjC - P \pm C \acute{r} / C \acute{I} P \ddot{e} Pj PIP^{\circ} C \acute{I} C, P^{\circ} C, P \ddot{e} PSC \acute{r} \ C, P^{\circ} \ 0,2 \ \% \ Pr P \gg C \bar{I} \bar{I} \ C \acute{I} P \ddot{e} Pj PIP^{\circ} C \acute{I} C, P^{\circ} C, P \ddot{e} PSC \acute{r},$
 $Pr P_{\mu} \ C \bar{H} P^{\circ} P \pm Pr Ps PjC - Ps P \gg C - P \cdot PIP \ddot{e} P \cdot PSP^{\circ} C \ddagger P^{\circ} P \gg P \ddot{e} \ C \bar{I} P \epsilon \ Pj \text{b} \bar{H}^{\text{TM}} \ C \bar{I} P \cdot Ps PIC \acute{r}$
 $C \acute{I} P \gg P^{\circ} P \pm PeC - C \acute{I} C, CH \ P^{\circ} P \pm Ps \ P \pm C - P \gg CH \ PSP_{\mu} P \cdot C \bar{H} Ps P \cdot C \acute{r} PjC - P \gg PsC - P_{\mu} C, C - Ps P \gg Ps PiC - C - P \cdot$
 $C \bar{H} C - PIPSP_{\mu} Pj \ PeC \bar{H} P_{\mu} P^{\circ} C, P \ddot{e} PSPeC - PSP^{\circ} P \cdot P \ddot{e} \ PI \ C \acute{I} P \ddot{e} C \bar{H} Ps PIP^{\circ} C, C \ddagger C - \ PeC \bar{H} Ps PIC - C \acute{r} \ 10 \ P^{\circ} P \pm Ps$
 $P \pm C - P \gg CHC \epsilon P_{\mu} \ C \bar{H} P^{\circ} P \cdot C - PI \ PIP \ddot{e} C \% P_{\mu} \ P \cdot P^{\circ} \ P' P_{\text{H}} P \acute{K} \ P \cdot \ Ps P \cdot PSP^{\circ} Pe P^{\circ} Pj P \ddot{e}$
 $PiPsC \epsilon PePsPrP \ P_{\mu} PSPSC \bar{I} \bar{I} \ PSP \ddot{e} C \bar{H} Ps Pe, \ C \acute{r} \ 5 \ P^{\circ} P \pm Ps \ P \pm C - P \gg CHC \epsilon P_{\mu} \ C \bar{H} P^{\circ} P \cdot C - PI \ PIP \ddot{e} C \% P_{\mu} \ C -$
 $C \acute{r} \ 10 \ C \bar{H} P^{\circ} P \cdot C - PI \ Pj P_{\mu} PSC \epsilon P_{\mu} \ P \cdot P^{\circ} \ P' P_{\text{H}} P \acute{K} \ Pr PIC - C \ddagger C - \ PiPsC \acute{I} P \ddot{e} C - P \gg CH \ P \cdot \ Ps P \cdot PSP^{\circ} Pe P^{\circ} Pj P \ddot{e}$
 $PiPsC \epsilon PePsPrP \ P_{\mu} PSPSC \bar{I} \bar{I} \ PSP \ddot{e} C \bar{H} Ps Pe \ P^{\circ} P \pm Ps \ C \bar{H} C - PIPSP_{\mu} Pj \ PeC \bar{H} P_{\mu} P^{\circ} C, P \ddot{e} PSPeC - PSP^{\circ} P \cdot P \ddot{e} \geq$
 $10000 \ P_{\text{H}} P_{\text{H}} / P \gg P \pm P_{\mu} P \cdot \ Ps P \cdot PSP^{\circ} Pe \ PiPsC \epsilon PePsPrP \ P_{\mu} PSPSC \bar{I} \bar{I} \ PSP \ddot{e} C \bar{H} Ps Pe. \ P \S P^{\circ} C \acute{I} C, PsC, P^{\circ}$
 $PiPsC \acute{I} P \gg C - Pr Ps PIPSPs PiPs \ PiC - Pr PIP \ddot{e} C \% P_{\mu} PSPSC \bar{I} \bar{I} \ C, C \bar{H} P^{\circ} PSC \acute{I} P^{\circ} PjC - PSP^{\circ} P \cdot (C \acute{r} \ 3 \ P^{\circ} P \pm Ps$
 $P \pm C - P \gg CHC \epsilon P_{\mu} \ C \bar{H} P^{\circ} P \cdot C - PI \ PIP \ddot{e} C \% P_{\mu} \ P \cdot P^{\circ} \ P' P_{\text{H}} P \acute{K}) \ C \acute{I} C, P^{\circ} PSPs PIP \ddot{e} P \gg P^{\circ} \ 2,5 \ \% \ Pr P \gg C \bar{I} \bar{I}$
 $P_{\mu} P \cdot P_{\mu} C, P \ddot{e} PjC - P \pm C \acute{r} / C \acute{I} P \ddot{e} Pj PIP^{\circ} C \acute{I} C, P^{\circ} C, P \ddot{e} PSC \acute{r} \ C, P^{\circ} \ 2,3 \ \% \ Pr P \gg C \bar{I} \bar{I}$
 $C \acute{I} P \ddot{e} Pj PIP^{\circ} C \acute{I} C, P^{\circ} C, P \ddot{e} PSC \acute{r} \ (Pr P \ddot{e} PI. \ C \bar{H} Ps P \cdot PrC - P \gg B \ll P_{\text{H}} C \acute{I} Ps P \pm P \gg P \ddot{e} PIPsC \acute{I} C, C -$
 $P \cdot P^{\circ} C \acute{I} C, PsC \acute{I} C \acute{r} PIP^{\circ} PSPSC \bar{I} \bar{I} B \gg). \ P_{\mu} Ps P \pm C - C \ddagger PSC - \ P_{\mu} C, P_{\mu} PeC, P \ddot{e}, \ PiPsPi \text{b} \bar{H}^{\text{TM}} \ C \bar{I} P \cdot P^{\circ} PSC - P \cdot$
 $P \ P_{\mu} Ps PIC \ddagger PSP \ddot{e} Pj \ PjC - C \dots C \acute{r} C \bar{H} Ps Pj, \ PIC - Pr P \cdot PSP^{\circ} P \gg P \ddot{e} C \acute{I} C \bar{I} \bar{I} \ C \acute{r}$
 $3,1 \ \% \ PiC \bar{H} PsC, P \ddot{e} \ 3,5 \ \% \ PiP^{\circ} C \ddagger C - C''PSC, C - PI, \ C \bar{I} P \epsilon C - \ PsC, C \bar{H} P \ddot{e} PjC \acute{r} PIP^{\circ} P \gg P \ddot{e}$
 $P_{\mu} P \cdot P_{\mu} C, P \ddot{e} PjC - P \pm C \acute{r} / C \acute{I} P \ddot{e} Pj PIP^{\circ} C \acute{I} C, P^{\circ} C, P \ddot{e} PS \ C, P^{\circ} \ C \acute{I} P \ddot{e} Pj PIP^{\circ} C \acute{I} C, P^{\circ} C, P \ddot{e} PS$
 $PIC - Pr PiPsPIC - Pr PSPs. \ P \S P^{\circ} C \acute{I} C, PsC, P^{\circ} \ PiPsC \acute{I} P \ddot{e} C - C, P^{\circ} P \gg C - P \cdot P^{\circ} C \ddagger C - C - C \ddagger P_{\mu} C \bar{H} P_{\mu} P \cdot$
 $C \dots Ps P \gg P_{\mu} C \ddagger P \ddot{e} C \acute{I} C, P_{\mu} PeC, Ps PjC - C \bar{H} \ C \acute{I} C, P^{\circ} PSPs PIP \ddot{e} P \gg P^{\circ} \ 1,5 \ \% \ PI \ Ps P \pm PsC \dots \ PiC \bar{H} C \acute{r} PiP^{\circ} C \dots$
 $P \gg C - PeC \acute{r} PIP^{\circ} PSPSC \bar{I} \bar{I}. \ P \ P^{\circ} Pe \ (C \% Ps \ PIP \ddot{e} P \cdot PSP^{\circ} C \ddagger P^{\circ} P \gg P \ddot{e} \ C \bar{I} P \epsilon \ P \pm C \acute{r} PrCH - C \bar{I} P \epsilon C \acute{r} \ PSPsPIC \acute{r}$
 $P \cdot P \gg PsC \bar{I} P \epsilon C - C \acute{I} PSC \acute{r} \ PiC \acute{r} C \dots P \gg P \ddot{e} PSC \acute{r}) \ P \pm C \acute{r} PI \ PrC - P^{\circ} PiPSPsC \acute{I} C, Ps PIP^{\circ} PSP \ddot{e} P_{\text{N}} \ PiC - Pr \ C \ddagger P^{\circ} C \acute{I}$
 $Pr PsC \acute{I} P \gg C - Pr P \ P_{\mu} PSPSC \bar{I} \bar{I} \ C \acute{r} \ 9,4 \ \% \ PiC \bar{H} PsC, P \ddot{e} \ 9,5 \ \% \ PIC - Pr PiPsPIC - Pr PSPs.$

*$P_{\mu} P^{\circ} C \ddagger C - C''PSC, P \ddot{e} \ P \cdot \ C \dots C \bar{H} PsPSC - C \ddagger PSP \ddot{e} Pj \ P \cdot P^{\circ} C \dots PIPsC \bar{H} C \bar{H} PIP^{\circ} PSPSC \bar{I} \bar{I} Pj$
 $PSP \ddot{e} C \bar{H} PsPe$*

$Pj \ Pr PsC \acute{I} P \gg C - Pr P \ P_{\mu} PSPSC - \ C \% PsPrPs \ P \cdot P^{\circ} C \dots P \ddot{e} C \acute{I} C, C \acute{r} \ C \acute{I} P_{\mu} C \bar{H} C \ddagger C \bar{I} \bar{I} \ C, P^{\circ}$
 $PSP \ddot{e} C \bar{H} PsPe \ (SHARP) \ (Pr P \ddot{e} PI. \ C \bar{H} Ps P \cdot PrC - P \gg B \ll P^{\circ} C \bar{H} Pj P^{\circ} PePsPrP \ddot{e} PSP^{\circ} PjC - Pe P^{\circ} B \gg) \ P \cdot$
 $C \acute{r} C \ddagger P^{\circ} C \acute{I} C, C \bar{H} \ PiPsPSP^{\circ} Pr \ 9000 \ PiP^{\circ} C \ddagger C - C''PSC, C - PI, \ C \bar{I} P \epsilon C - \ PsC, C \bar{H} P \ddot{e} PjC \acute{r} PIP^{\circ} P \gg P \ddot{e}$
 $C, C - PeC \acute{I} Ps PIP^{\circ} PSC \acute{r} \ PePsPjP \pm C - PSP^{\circ} C \ddagger C - C \bar{H} \ P_{\mu} P \cdot P_{\mu} C, P \ddot{e} PjC - P \pm C \acute{r} \ 10 \ PjPi \ C - P \cdot$
 $C \acute{I} P \ddot{e} Pj PIP^{\circ} C \acute{I} C, P^{\circ} C, P \ddot{e} PSPsPj \ 20 \ PjPi \ C \% PsPrP_{\mu} PSPSPs \ (n = 4650) \ P^{\circ} P \pm Ps \ PiP \gg P^{\circ} C \ddagger P_{\mu} P \pm Ps \ (n =$
 $4620), \ PiC \bar{H} PsC, C - P \gg C - \ P \pm P_{\mu} P \cdot PiP_{\mu} PeP \ddot{e} \ P \pm C \acute{r} P \gg P \ddot{e} \ C \acute{I} P \ddot{e} C - PIC \acute{I} C, P^{\circ} PIPSP \ddot{e} Pj P \ddot{e}$
 $PiC \bar{H} PsC, C \bar{I} PiPsPj \ C \acute{I} P_{\mu} C \bar{H} P_{\mu} PrPSC \bar{H} PsPiPs \ PiP_{\mu} C \bar{H} C - PsPrC \acute{r} \ C \acute{I} PiPsC \acute{I} C, P_{\mu} C \bar{H} P_{\mu} P \ P_{\mu} PSPSC \bar{I} \bar{I}$
 $4,9 \ C \bar{H} PsPeC \acute{r}. \ Pj \ C \ddagger CHPsPjC \acute{r} \ Pr PsC \acute{I} P \gg C - Pr P \ P_{\mu} PSPSC - \ P \pm C \acute{r} P \gg P \ddot{e}$
 $P \cdot P^{\circ} C \bar{H} P_{\mu} C''C \acute{I} C, C \bar{H} Ps PIP^{\circ} PSC - \ P \gg P \ddot{e} C \epsilon P_{\mu} \ C \acute{I} P_{\mu} C \bar{H} P_{\text{N}} Ps P \cdot PSC - \ PiPsP \pm C - C \ddagger PSC -$
 $C \bar{H} P_{\mu} P^{\circ} PeC \ddagger C - C - C, P^{\circ} \ PiC \bar{H} P \ddot{e} PiP \ddot{e} PSP_{\mu} PSPSC \bar{I} \bar{I} \ P \gg C - PeC \acute{r} PIP^{\circ} PSPSC \bar{I} \bar{I} \ C \ddagger P_{\mu} C \bar{H} P_{\mu} P \cdot \ P \pm C \acute{r} PrCH -$
 $C \bar{I} P \epsilon C - \ PiPsP \pm C - C \ddagger PSC - \ C \bar{H} P_{\mu} P^{\circ} PeC \ddagger C - C - C. \ P \S P^{\circ} C \acute{I} C, PsC, P^{\circ} \ PiC \bar{H} P \ddot{e} PiP \ddot{e} PSP_{\mu} PSPSC \bar{I} \bar{I}$
 $P \gg C - PeC \acute{r} PIP^{\circ} PSPSC \bar{I} \bar{I} \ C \ddagger P_{\mu} C \bar{H} P_{\mu} P \cdot \ PiPsP \pm C - C \ddagger PSC - \ C \bar{H} P_{\mu} P^{\circ} PeC \ddagger C - C - C - P \pm C \acute{r} P \gg P^{\circ}$
 $C \acute{I} PiC - PIC \acute{I} C, P^{\circ} PIPSPsC \bar{H} \ (10,4 \ \% \ C \acute{r} \ PiP^{\circ} C \ddagger C - C''PSC, C - PI, \ C \bar{I} P \epsilon C - \ PsC, C \bar{H} P \ddot{e} PjC \acute{r} PIP^{\circ} P \gg P \ddot{e}$
 $P_{\mu} P \cdot P_{\mu} C, P \ddot{e} PjC - P \pm \ C \acute{r} \ PePsPjP \pm C - PSP^{\circ} C \ddagger C - C - C - P \cdot \ C \acute{I} P \ddot{e} Pj PIP^{\circ} C \acute{I} C, P^{\circ} C, P \ddot{e} PSPsPj, \ C - \ 9,8 \ \% \ C \acute{r}$
 $PiP^{\circ} C \ddagger C - C''PSC, C - PI, \ C \bar{I} P \epsilon C - \ PsC, C \bar{H} P \ddot{e} PjC \acute{r} PIP^{\circ} P \gg P \ddot{e} \ PiP \gg P^{\circ} C \ddagger P_{\mu} P \pm Ps). \ P \S P^{\circ} C \acute{I} C, PsC, P^{\circ}$
 $PjC - PsPiP^{\circ} C, C - C - /C \bar{H} P^{\circ} P \pm Pr Ps PjC - Ps P \gg C - P \cdot C \acute{r} \ C \acute{I} C, P^{\circ} PSPs PIP \ddot{e} P \gg P^{\circ} \ 0,2 \ \% \ C \acute{r}$
 $PiP^{\circ} C \ddagger C - C''PSC, C - PI, \ C \bar{I} P \epsilon C - \ PsC, C \bar{H} P \ddot{e} PjC \acute{r} PIP^{\circ} P \gg P \ddot{e} \ P_{\mu} P \cdot P_{\mu} C, P \ddot{e} PjC - P \pm \ C \acute{r}$
 $PePsPjP \pm C - PSP^{\circ} C \ddagger C - C - C - P \cdot \ C \acute{I} P \ddot{e} Pj PIP^{\circ} C \acute{I} C, P^{\circ} C, P \ddot{e} PSPsPj, \ C - \ 0,1 \ \% \ C \acute{r}$
 $PiP^{\circ} C \ddagger C - C''PSC, C - PI, \ C \bar{I} P \epsilon C - \ PsC, C \bar{H} P \ddot{e} PjC \acute{r} PIP^{\circ} P \gg P \ddot{e} \ PiP \gg P^{\circ} C \ddagger P_{\mu} P \pm Ps.$
 $P_{\mu} PsC \acute{I} P \gg C - Pr Ps PIPSP_{\mu} \ PiC - Pr PIP \ddot{e} C \% P_{\mu} PSPSC \bar{I} \bar{I} \ C, C \bar{H} P^{\circ} PSC \acute{I} P^{\circ} PjC - PSP^{\circ} P \cdot (C \acute{r} \ 3$
 $C \bar{H} P^{\circ} P \cdot P \ddot{e} \ PIP \ddot{e} C \% P_{\mu} \ P \cdot P^{\circ} \ P' P_{\text{H}} P \acute{K}) \ C \acute{I} PiPsC \acute{I} C, P_{\mu} C \bar{H} C - PiP^{\circ} P \gg PsC \acute{I} C \bar{I} \bar{I} \ C \acute{r} \ 0,7 \ \%$
 $PiP^{\circ} C \ddagger C - C''PSC, C - PI, \ C \bar{I} P \epsilon C - \ PsC, C \bar{H} P \ddot{e} PjC \acute{r} PIP^{\circ} P \gg P \ddot{e} \ P_{\mu} P \cdot P_{\mu} C, P \ddot{e} PjC - P \pm \ C \acute{r}$

PePsPjP±C-PSP°C†C-C— P· CÍPëPjPIP°CÍC,P°C,PëPSPsPj PíPsCĤC-PIPSCLIPSPs P· 0,6 %
 PíP°C†C-C"PSCL,C-PI, CĤPeC- PsC,CĤPëPjCÍPIP°P»Pë PíP»P°C†PμP±Ps (PrPëPI. CĤPsP·PrC-P»
 B«PĥCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCÍPIP°PSPSCĤB»). PJ C†CHPsPjCÍ
 PrPsCÍP»C-PrP¶PμPSPSC- PSPμ P±CÍP»Ps CÍC,P°C,PëCÍC,PëC±PSPs
 PrPsCÍC,PsPIC-CĤPSPsPiPs P·P±C-P»CHC€PμPSPSCĤ C±P°CÍC,PsC,Pë PíPsPíPμCĤPμPrPSCĤPs
 PIPëP·PSP°C†PμPSPëC... PíPsP±C-C±PSPëC... CĤPμP°PeC†C-PNë, PIPeP»CĤC±P°CĤC±Pë CĤP°Pe
 (9,4 % PrP»CĤ PμP·PμC,PëPjC-P±CÍ PI PePsPjP±C-PSP°C†C-C— P· CÍPëPjPIP°CÍC,P°C,PëPSPsPj,
 9,5 % PrP»CĤ PíP»P°C†PμP±Ps), PíPμPíP°C,PëC,, C...PsP»PμC†PëCÍC,PμPeC,PsPjC-CĤ
 P°P±Ps CÍCÍPeP»P°PrPSPμPSPSCĤ P¶PsPIC±PSPëC... PeP°PjPμPSC-PI P°P±Ps
 PíP°PSPeCĤPμP°C,PëC,CÍ.

P°PSC- P»P°P±PsCĤP°C,PsCĤPSPëC... PrPsCÍP»C-PrP¶PμPSCĤ

PμC-Pr C±P°CÍ PePsPSC,CĤPsP»CHPsPIP°PSPëC... PeP»C-PSC-C±PSPëC...
 PrPsCÍP»C-PrP¶PμPSCĤ PjPsPSPsC,PμCĤP°PíC-C— PeP»C-PSC-C±PSPs P·PSP°C†CÍC%Pμ
 PíC-PrPIPëC%PμPSPSCĤ CÍPëCĤPsPIP°C,PePsPIPëC... C,CĤP°PSCÍP°PjC-PSP°P· (PĥP·Pÿ
 C,P°/P°P±Ps PĥPÿPÿ CÍ 3 P°P±Ps P±C-P»CHC€Pμ CĤP°P·C-PI PIPëC%Pμ P·P° P'PĥPĥ) P±CÍP»Ps
 PíPsPrC-P±PSPëPj CÍ PμP·PμC,PëPjC-P±CÍ (0,5 %) C,P° PíP»P°C†PμP±Ps (0,3 %). PJ
 PrPsCÍP»C-PrP¶PμPSPSCĤC... PePsPjP±C-PSPsPIP°PSPsC— C,PμCĤP°PíC-C— C±P°CÍC,PsC,P°
 PíPsCĤPIPë CÍC,P°PSPsPIPëP»P° 1,3 % CÍ PíP°C†C-C"PSCL,C-PI, CĤPeC- CÍCÍPíCÍC,PSCHPs
 PíCĤPëPNëPjP°P»Pë PμP·PμC,PëPjC-P± C,P° CÍC,P°C,PëPS, C,P° 0,4 % CÍ PíP°C†C-C"PSCL,C-PI,
 CĤPeC- PíCĤPëPNëPjP°P»Pë C,C-P»CHPePë CÍC,P°C,PëPS. PμPsPrC-P±PSPμ
 PíC-PrPIPëC%PμPSPSCĤ P·P°P·PIPëC±P°PNë P±CÍP»Ps P±PμP·CÍPëPjPíC,PsPjPSPμ, PSPμ
 PíPsPíPĤ™ CĤP·P°PSPμ P· C...PsP»PμCÍC,P°P·PsPj, P° PíPsPeP°P·PSPëPePë
 PíPsPIPμCĤC,P°P»PëCÍCĤ PrPs PíPsC±P°C,PePsPIPsPiPs CĤC-PIPSCL PíC-CÍP»CĤ
 PIC-PrPjC-PSPë C,PμCĤP°PíC-C— P°P±Ps PíCĤPë PíCĤPsPrPsPIP¶PμPSPSC-
 P»C-PeCÍPIP°PSPSCĤ.

PJ PeP»C-PSC-C±PSPëC... PrPsCÍP»C-PrP¶PμPSPSCĤC... CÍPíPsCÍC,PμCĤC-PíP°P»PsCÍCĤ
 PíC-PrPIPëC%PμPSPSCĤ PĥPαPĥ CÍ 10 P°P±Ps P±C-P»CHC€Pμ CĤP°P·C-PI PIPëC%Pμ P·P°
 P'PĥPĥ CÍ 4 C-P· 1674 PíP°C†C-C"PSCL,C-PI (0,2 %), CĤPeC- PíCĤPëPNëPjP°P»Pë C,C-P»CHPePë
 PμP·PμC,PëPjC-P±, PíPsCĤC-PIPSCLIPSPs P· 1 P· 786 PíP°C†C-C"PSCL,C-PI
 (0,1 %), CĤPeC- PíCĤPëPNëPjP°P»Pë PíP»P°C†PμP±Ps, C,P° CÍ 1 P· 917 PíP°C†C-C"PSCL,C-PI (0,1
 %), CĤPeC- PíCĤPëPNëPjP°P»Pë PμP·PμC,PëPjC-P± CÍCÍPíCÍC,PSCHPs P·C-
 CÍC,P°C,PëPSPsPj, PíPsCĤC-PIPSCLIPSPs P· 4 P· 929 PíP°C†C-C"PSCL,C-PI (0,4 %), CĤPeC-
 PíCĤPëPNëPjP°P»Pë C,C-P»CHPePë CÍC,P°C,PëPS. PĥPμ P±CÍP»Ps PíPμCĤPμPIP°PíPë CÍ
 PíPsCĤPIC- PjC-PsPíP°C,C-C— P°P±Ps CĤP°P±PrPsPjC-PsP»C-P·CÍ PíCĤPë PíCĤPëPNëPsPjC-
 PμP·PμC,PëPjC-P±CÍ PíPsCĤC-PIPSCLIPSPs P· PIC-PrPíPsPIC-PrPSPsCĤ PíCĤCÍPíPsCĤ
 PePsPSC,CĤPsP»CĤ (PíP»P°C†PμP±Ps P°P±Ps C,C-P»CHPePë CÍC,P°C,PëPS).

PμPsPIC-PrPsPjP»PμPSPSCĤ PíCĤPs PíC-PrPsP·CĤCĤPIP°PSC- PíPsP±C-C±PSC-
 CĤPμP°PeC†C-C—

P"CÍP¶Pμ PIP°P¶P»PëPIPs PíPsPIC-PrPsPjP»CĤC,Pë PíCĤPs PíC-PrPsP·CĤCĤPIP°PSC-
 PíPsP±C-C±PSC- CĤPμP°PeC†C-C—, C%Ps PIPëPSPëPeP»Pë PíC-CÍP»CĤ
 CĤPμC"CÍC,CĤP°C†C-C— PíCĤPμPíP°CĤP°C,CÍ. PíPμ PrPsP·PIPsP»CĤC"
 P·PrC-PNëCÍPSCĤPIP°C,Pë PíPsCÍC,C-PNëPSPëPNë PjPsPSC-C,PsCĤPëPSPi
 CÍPíC-PIPIC-PrPSPsC€PμPSPSCĤ B«PePsCĤPëCÍC,CH/CĤPëP·PëPeB»
 P·P°CÍC,PsCÍCÍPIP°PSPSCĤ C†CHPsPiPs P»C-PeP°CĤCÍCHPePsPiPs P·P°CÍPsP±CÍ. PĥPë
 P·PIPμCĤC,P°C"PjPsCÍCĤ PrPs PíCĤP°C†C-PIPSPëPeC-PI CÍPëCÍC,PμPjPë PsC...PsCĤPsPSPë

P·PrPsCḡPsPIḂḡ™ CḲ P· PīCḡPsC...P°PSPSCḲPj PīPsPIC-PrPsPjP»CḲC,Pë PīCḡPs P±CfPrCHḂ-
CḲPeC- PīPsP±C-C‡PSC- CḡPμP°PeC†C-C— P·P° PrPsPīPsPjPsPiPsCḡ
PSP°C†C-PsPSP°P»CHḂPSPsC— CḲPëCḲC,PμPjPë PīPsPIC-PrPsPjP»PμPSCḂ.

PḡPμCḡPjC-PS PīCḡPëPrP°C,PSPsCḲC,C-. 3 CḡPsPePë.

PjPjPsPIPë P·P±PμCḡC-PiP°PSPSCḲ.

P—P±PμCḡC-PiP°C,Pë PīCḡPë C,PμPjPīPμCḡP°C,CfCḡC- PSPμ PIPëC‰Pμ 30 B°PḢ.
P—P±PμCḡC-PiP°C,Pë Pī PsCḡPëPiC-PSP°P»CHḂPSC-PNë CfPīP°PePsPIC†C- Cf
P·P°C...PëC‰PμPSPsPjCf PIC-Pr PIPsP»PsPiPë PjC-CḲC†C-.

PjPīP°PePsPIPëP°.

PμPs 10 C,P°P±P»PμC,PsPe Pī P±P»C-CḲC,PμCḡC-; PīPs 3 P°P±Ps PīPs 6, P°P±Ps PīPs 9
P±P»C-CḲC,PμCḡC-Pī Cf PeP°CḡC,PsPSPSC-PNë PīP°C‡C†C-.

PḢP°C,PμPiPsCḡC-CḲ PIC-PrPīCfCḲPeCf. P—P° CḡPμC†PμPīC,PsPj.

P'PëCḡPsP±PSPëPe.

P—PḡPḢ PḡP°CḡPjP°C†PμPIC,PëC‡PSPëPNë P·P°PIPsPr P·P“P†PḢ.

**PḢC-CḲC†PμP·PSP°C...PsPrPḡPμPSPSCḲ PIPëCḡPsP±PSPëPeP° C,P° P°PrCḡPμCḲP°
PjC-CḲC†CḲ PīCḡPsPIP°PrPḡPμPSPSCḲ PNëPsPiPs PrC-CḲP»CHḂPSPsCḲC,C-.**

1165, Pj. P'CfPrP°PīPμC€C,, PICfP». P'PμPePμPSCḂC,,PμP»PrC-, 118-120, PjPiPsCḡC‰PëPSP°.