

P†PǵPŸPŸP PJPǵP|P†Pǻ

**PrP»Cǻ PjPμPrPēC‡PSPsPiPs P·P°CǻC,PsCǻCǻPIP°PSPSCǻ P»C-PeP°CǻCǻCǻPePsPiPs
P·P°CǻPsP±Cǻ**

P P°C°PSPsPj

(Raenom^{B®})

B

PŸPeP»P°Pr:

*PrC-CǻC‡P° CǻPμC‡PsPIPēPSP°: C-PIP°P±CǻP°PrPēPS (Cǻ C,,PsCǻPjC-
C-PIP°P±CǻP°PrPēPSCǻB PiC-PrCǻPsP±CǻPsPjC-PrCǻ);*

**1 C,P°P±P»PμC,PeP°, PIPeCǻPēC,P° PǻP»C-PIPePsPIPsCǻ
PsP±PsP»PsPSPePsCǻ, PjC-CǻC,PēC,Cǻ C-PIP°P±CǻP°PrPēPSCǻ 5 PjPi,
C°Ps PIC-PrPǻPsPIC-PrP°C° 5,863 PjPi C-PIP°P±CǻP°PrPēPSCǻ
PiC-PrCǻPsP±CǻPsPjC-PrCǻ, P°P±Ps**

1 C,P°P±P»PμC,PeP°, PIPeCǻPēC,P° PǻP»C-PIPePsPIPsCǻ PsP±PsP»PsPSPePsCǻ,
PjC-CǻC,PēC,Cǻ C-PIP°P±CǻP°PrPēPSCǻ 7,5 PjPi, C°Ps PIC-PrPǻPsPIC-PrP°C° 8,795 PjPiB
C-PIP°P±CǻP°PrPēPSCǻ PiC-PrCǻPsP±CǻPsPjC-PrCǻ;

*PrPsPiPsPjPiPǻPSi CǻPμC‡PsPIPēPSPē: P»P°PeC,PsP·P°, PjP°PSC-C, (E 421),
PjP°P»CǻC,PsPrPμPeCǻC,CǻPēPS, PSP°C,CǻC-Cǻ PeCǻPsCǻPeP°CǻPjPμP»PsP·P°,
PeCǻPμPjPSC-Cǻ PrC-PsPeCǻPēPr PePsP»PsC—PrPSPēPNē P±PμP·PIPsPrPSPēPNē (E 551),
PjP°PiPSC-Cǻ CǻC,PμP°CǻP°C,;*

*PǻP»C-PIPePsPIP° PsP±PsP»PsPSPeP°: CǻPǻPēCǻC, PǻPsP»C-PIC-PSC-P»PsPIPēPNē (E 1203),
C,P°P»CǻPe (E 553b), C,PēC,P°PSCǻ PrC-PsPeCǻPēPr (E 171), PjP°PeCǻPsPiPsP»/PEG 3350 (E
1521), PjPμC,P°PeCǻPēP»P°C,PSPēPNē CǻPsPiPsP»C-PjPμCǻ (1:1), P·P°P»C-P·P° PsPeCǻPēPr
PǻPsPIC,PēPNē (E 172), P·P°P»C-P·P° PsPeCǻPēPr C‡PμCǻPIPsPSPēPNē (P• 172), PSP°C,CǻC-Cǻ
PiC-PrCǻPsPeP°CǻP±PsPSP°C, (E 500).*

-

**P»C-PeP°CǻCǻCǻPeP° C,,PsCǻPjP°. PŸP°P±P»PμC,PePē, PIPeCǻPēC,C- PǻP»C-PIPePsPIPsCǻ
PsP±PsP»PsPSPePsCǻ.**

PhCǻPSPsPIPsC- C,,C-P·PēPePs-C...C-PjC-C‡PSC- PIP»P°CǻC,PēPIPsCǻC,C-:

C,P°P±P»PμC,PePē PǻPs 5 PjPi:

CǻPIC-C,P»Ps-PǻPsPjP°CǻP°PSC‡PμPIC- PsPIP°P»CǻPSC- PrPIPsPsPǻCǻPeP»C-
C,P°P±P»PμC,PePē, PIPeCǻPēC,C- PǻP»C-PIPePsPIPsCǻ PsP±PsP»PsPSPePsCǻ, P·
PiCǻP°PIC-CǻPIP°PSPSCǻPj B«CK3B» P· PsPrPSPsPiPs P±PsPeCǻ C,P° P· CǻPēCǻPePsCǻ P·
C-PSCēPsPiPs. P PsP·PjC-Cǻ ~ 8,6 PjPj × 4,5 PjPj;

C,P°P±P»PμC,PePē PǻPs 7,5 PjPi:

P·PSPëP¶PµPSPSC¼ C±P°CÍC,PsC,Pë CÍPµCËC†PµPIPëC... CÍPePsCËPsC±PµPSCË (P\$PŸPŸ).
PËPSP°P»C-P· P·PjPµPSC€PµPSPSC¼ P\$PŸPŸ PíCËPë P·P°CÍC,PsCÍCÍPIP°PSPSC- PrPsP· PrPs
20 PjPi PrPIC-C±C- PSP° PrPsP±CÍ PíPsPeP°P·P°PI C,PµPSPPrPµPSC†C-CË PrPs
PIPëPSPëPePSPµPSPSC¼ PµC,,PµPeC,CÍ PíP»P°C,Ps, C%Ps P·PSPëP¶CÍC” CËPëP·PëPe
PIPëPSPëPePSPµPSPSC¼ C,C¼P¶PePsC— P±CËP°PrPëPeP°CËPrC-C— <40 CÍPr/C...PI (PrPëPI.
CËPsP·PrC-P» B«PµPsP±C-C±PSC- CËPµP°PeC†C-C—B»).

PµCËPë PIPëPePsCËPëCÍC,P°PSPSC- CÍ CËPµPePsPjPµPSPPrPsPIP°PSPëC...
C,PµCËP°PíPµPIC,PëC±PSPëC... PrPsP·P°C... P\$PŸPŸ P·PSPëP¶CÍC”C,CËCÍC¼
PíCËPëP±P»PëP·PSPs PSP° 10 CÍPr/C...PI CÍ CÍC,P°PSC- CÍPíPsPePsCË C,P° PíCËPë
PSP°PIP°PSC,P°P¶PµPSPSC-. PíPµ P·PjPµPSC€CÍC” CËPsP±PsC±Pµ PSP°PIP°PSC,P°P¶PµPSPSC¼
CÍPµCËC†C¼ C,P° CÍPíPsP¶PëPIP°PSPSC¼ PePëCÍPSCË PjC-PsPeP°CËPrPsPj.
P†PIP°P±CËP°PrPëPS PSPµ PIPíP»PëPIP°C” PSP° PIPSCÍC,CËC-C€PSCËPsCÍPµCËC†PµPICÍ
PíCËPsPIC-PrPSC-CÍC,CË, CÍPePsCËPsC,PSC-CÍC,CË PjC-PsPeP°CËPrP°
(PSPµPiP°C,PëPIPSPëPNë C-PSPsC,CËPsPíPSPëPNë PµC,,PµPeC, PIC-PrCÍCÍC,PSC-PNë) C,P°
CËPµPíPsP»C¼CËPëP·P°C†C-CË C€P»CÍPSPsC±PeC-PI:

-B B B B B B CÍ PeP»C-PSC-C±PSPëC... PµP»PµPeC,CËPsC,,C-P·C-PsP»PsPiC-C±PSPëC...
PrPsCÍP»C-PrP¶PµPSPSC¼C... C-PIP°P±CËP°PrPëPS PSPµ PIPíP»PëPIP°PI PSP°
P°C,CËC-PsPIPµPSC,CËPëPeCÍP»C¼CËPSCÍ P°P±Ps
C-PSC,CËP°PIPµPSC,CËPëPeCÍP»C¼CËPSCÍ PíCËPsPIC-PrPSC-CÍC,CË P°P±Ps PSP°
PePsCËPëPiPsPIP°PSPëPNë C-PSC,PµCËPIP°P» QT;

-B B B B B B CÍ PíP°C†C-C”PSC,C-PI C-P· PrPëCÍC,,CÍPSPeC†C-C”CË P»C-PIPsPiPs
C€P»CÍPSPsC±PeP° (C,,CËP°PeC†C-C¼ PIPëPePëPrCÍ P»C-PIPsPiPs C€P»CÍPSPsC±PeP°
[PαP’P·Pë] CÍC,P°PSPsPIPëC,CË 30-45 %) C-PIP°P±CËP°PrPëPS PSPµ PíCËPsC¼PIP»C¼PI
P±CÍPrCË-C¼PePsPiPs PSPµPiP°C,PëPIPSsPiPs PIPíP»PëPICÍ PSP° PíPsPeP°P·PSPëPePë
PαP’P·Pë.

PµP»C-PSC-C±PSP° PµC,,PµPeC,PëPIPSC-CÍC,CË C,P° P±PµP·PíPµPeP°.

PËPSC,PëP°PSPiC-PSP°P»CËPSCÍ C,P° P°PSC,PëC-C€PµPjC-C±PSCÍ
PµC,,PµPeC,PëPIPSC-CÍC,CË C-PIP°P±CËP°PrPëPSCÍ PsC†C-PSCËPIP°P»Pë PI C...PsPrC- 5
PíPsPrPIC-PNëPSPëC... CÍP»C-PíPëC... CËP°PSPPrPsPjC-P·PsPIP°PSPëC...
PrPsCÍP»C-PrP¶PµPSCË (C,CËPë PíPsCËC-PIPSC¼PSPs P· PíP»P°C†PµP±Ps C- PíPs
PsPrPSPsPjCÍ PíPsCËC-PIPSC¼PSPs P· P°C,PµPSPsP»PsP»PsPj C,P° P°PjP»PsPrPëPíC-PSPsPj). PJ
C†PëC... PrPsCÍP»C-PrP¶PµPSPSC¼C... PIP·C¼P»Pë CÍC±P°CÍC,CË 4111 PíP°C†C-C”PSC,C-PI
C-P· C...CËPsPSC-C±PSPsCË CÍC,P°P±C-P»CËPSPsCË CÍC,PµPSPsPeP°CËPrC-C”CË, 2617 P·
C¼PePëC... PíCËPëPNëPjP°P»Pë C-PIP°P±CËP°PrPëPS.

P†PIP°P±CËP°PrPëPS CÍ PrPsP·C- 5 PjPi PrPIC-C±C- PSP° PrPsP±CÍ PIPíCËPsPrPsPIP¶ 3-4
C,PëP¶PSC-PI P»C-PeCÍPIP°PSPSC¼ PrPsPIC-PI CÍPIPsCË PµC,,PµPeC,PëPIPSC-CÍC,CË P·P°
PíPsPeP°P·PSPëPeP°PjPë C,PµCÍC,C-PI C-P· C,,C-P·PëC±PSPëPj PSP°PIP°PSC,P°P¶PµPSPSC¼Pj.
P’CÍP»Ps PíC-PrC,PIPµCËPrP¶PµPSPs PµC,,PµPeC,PëPIPSC-CÍC,CË P·P°CÍC,PsCÍCÍPIP°PSPSC¼
PíCËPµPíP°CËP°C,CÍ PI PrPsP·C- 7,5 PjPi PrPIC-C±C- PSP° PrPsP±CÍ. P—PsPeCËPµPjP°,
PrPsPrP°C,PePsPIC- PíPµCËPµPIP°PíPë PIC-Pr P·P±C-P»CËC€PµPSPSC¼ PrPsP·Pë 5 PjPi
PrPIC-C±C- PSP° PrPsP±CÍ P±CÍP»Pë PrPsPIPµPrPµPSC- PI C...PsPrC-
PePsPSC,CËPsP»CËPsPIP°PSPsPiPs PíPsCËC-PIPSC¼P»CËPSPsPiPs PrPsCÍP»C-PrP¶PµPSPSC¼
P· P°C,PµPSPsP»PsP»PsPj: P·P°PiP°P»CËPSP° C,CËPëPIP°P»C-CÍC,CË C,PµCÍC,CÍ P·
C,,C-P·PëC±PSPëPj PSP°PIP°PSC,P°P¶PµPSPSC¼Pj CÍ PjC-P¶PrPsP·PsPIPëPNë PíPµCËC-PsPr
P·P±C-P»CËC€PëP»P°CÍC¼ PíCËPëP±P»PëP·PSPs PSP°

1 C...PIPëP»PëPSCř PĭC-CřP»CĹ PšPrPSPšPiPs PjC-CřCĹCřCĹ P»C-PeCřPIP°PSPSCĹ
C-PIP°P±CĤP°PrPëPSPšPj Cř PrPsP·C- 5 PjPi PrPIC-CřC- PSP° PrPsP±Cř; CřPμCĤPμP· C,CĤPë
PjC-CřCĹCřC- PĭC-CřP»CĹ PĭC-PrPIPëC%oPμPSPSCĹ PrPsP·Pë PrPs 7,5 PjPi PrPIC-CřC- PSP°
PrPsP±Cř CřPĭPsCřC,PμCĤC-PiP°P»PsCřCĹ PĭPsPrP°P»CHC€Pμ P·P±C-P»CHC€PμPSPSCĹ
C,CĤPëPIP°P»PsCřC,C- PSP°PIP°PSC,P°P¶PμPSPSCĹ C%oPμ PjP°PNëP¶Pμ PSP° 25 CřPμPeCřPSPř.
Pj C...PsPrC- CřCHšPsPiPs PrPsCřP»C-PrP¶PμPSPSCĹ P°PSC,PëP°PSPiC-PSP°P»CHPSC- C,P°
P°PSC,PëC-C€PμPjC-CřPSC- PIP»P°CřC,PëPIPšCřC,C- C-PIP°P±CĤP°PrPëPSCř P±CřP»PëB
PĭC-PrC,PiPμCĤPrP¶PμPSC- Cř PĭP°CřC-C''PSC,C-PI PIC-PePsPj ≥ 65 CĤPsPeC-PI.
P·C,,PμPeC,PëPIPSC-CřC,CH C-PIP°P±CĤP°PrPëPSCř PI PrPsP·P°C... 5 C,P° 7,5 PjPi PrPIC-CřC-
PSP° PrPsP±Cř P±CřP»P° CřC,P°P±C-P»CHPSPšCĤ Cř PICřC-C...
PrPsCřP»C-PrP¶PμPSPSCĹC... P·P° PĭPsPeP°P·PSPëPeP°PjPë C,PμCřC,C-PI C-P·
C,,C-P·PëCřPSPëPj PSP°PIP°PSC,P°P¶PμPSPSCĹPj (P·P°PiP°P»CHPSP° C,CĤPëPIP°P»C-CřC,CH
PSP°PIP°PSC,P°P¶PμPSPSCĹ, CřP°Cř PrPs PIPëPSPëPePSPμPSPSCĹ P»C-PjC-C,CřCĤCřPsC—
CřC,PμPSPšPeP°CĤPrC-C—, CřP°Cř PrPs PĭPsCřP°C,PeCř CřC,PμPSPšPeP°CĤPrC-C—, CřP°Cř
PrPs PrPμPĭCĤPμCřC-C— ST-CřPμPiPjPμPSC,Cř PSP° 1 PjPj) C-
CřCřPĭCĤPsPIPsPrP¶CřPIP°P»P°CřCĹ P·PjPμPSC€PμPSPSCĹPj CřP°CřC,PsC,Pë PSP°PĭP°PrC-PI
CřC,PμPSPšPeP°CĤPrC-C— PĭCĤPëP±P»PëP·PSPš PSP° 70 %. P PμP¶PëPj PrPsP·CřPIP°PSPSCĹ
C-PIP°P±CĤP°PrPëPSCř PrPIC-CřC- PSP° PrPsP±Cř P·P°P±PμP·PiPμCřCřPIP°PI
CřC,P°P±C-P»CHPSCř PμC,,PμPeC,PëPIPSCř PrC-CĤ PĭCĤPsC,CĹPiPsPj 24 PiPsPrPëPS.

Pj C...PsPrC- CĤP°PSPřPsPjC-P·PsPIP°PSPšPiPs PĭP»P°CřPμP±Ps-
PePsPSC,CĤPsP»CHšPsPIP°PSPšPiPs PrPsCřP»C-PrP¶PμPSPSCĹ P· CřCřP°CřC,CĤ 889
PĭP°CřC-C''PSC,C-PI C-PIP°P±CĤP°PrPëPS, CĹPePëPNë PĭCĤPëP·PSP°CřP°P»Pë
PrPsPrP°C,PePsPIPs PrPs P°C,PμPSPšP»PsP»Cř PI PrPsP·C- 50 PjPi 1 CĤP°P· PSP° PrPsP±Cř,
PĭPsPeP°P·P°PI PrPsPrP°C,PePsPICř PμC,,PμPeC,PëPIPSC-CřC,CH CřCřC-C...
PĭPsPeP°P·PSPëPeC-PI C,PμCřC,C-PI C-P· C,,C-P·PëCřPSPëPj PSP°PIP°PSC,P°P¶PμPSPSCĹPj Cř
PjC-P¶PrPsP·PsPIPëPNë PĭPμCĤC-PsPr (CřPμCĤPμP·

12 PiPsPrPëPS PĭC-CřP»CĹ PĭPμCĤPsCĤP°P»CHPSPšPiPs PĭCĤPëPNëPsPjCř).

P''PsCřP»C-PrP¶PμPSPSCĹ PμC,,PμPeC,PëPIPSPšCřC,C- PĭCĤPsPrPμPjPsPSCřC,CĤCřPIP°P»Pë,
C%oPs PμC,,PμPeC,PëPIPSC-CřC,CH C-PIP°P±CĤP°PrPëPSCř PĭPsPIPSC-CřC,CĤ
P·P±PμCĤC-PiP°C''C,CHCřCĹ PIPĭCĤPsPrPsPIP¶ 3-4 PjC-CřCĹCřC-PI P»C-PeCřPIP°PSPSCĹ.
PμC-Pr CřP°Cř PrPsCřP»C-PrP¶PμPSCĤ PSPμ CřPĭPsCřC,PμCĤC-PiP°P»PsCřCĹ
PIPëPĭP°PrPeC-PI C,,P°CĤPjP°PePsP»PsPiC-CřPSPšC— C,PsP»PμCĤP°PSC,PSPšCřC,C-
(PIC,CĤP°C,Pë PμC,,PμPeC,PëPIPSPšCřC,C-) P°P±Ps PμC,,PμPeC,Cř PIC-PrPjC-PSPë PĭC-CřP»CĹ
CĤP°PĭC,PsPIPsPiPs PĭCĤPëPĭPëPSPμPSPSCĹ P»C-PeCřPIP°PSPSCĹ.
PĤPSC,PëP°PSPiC-PSP°P»CHPSP° C,P° P°PSC,PëC-C€PμPjC-CřPSP°
PμC,,PμPeC,PëPIPSC-CřC,CH C-PIP°P±CĤP°PrPëPSCř P±CřP»Pë PĭPsPIBĤ™ CĹP·P°PSC- P·
PrPsP·PsP·P°P»PμP¶PSPëPj P·PjPμPSC€PμPSPSCĹPj PŠPŸPŸ C- P·PSP°CřPSPëPj
P·PSPëP¶PμPSPSCĹPj PĭPsPrPIC-PNëPSPšPiPs PrPsP±CřC,PeCř (PŠPŸPŸ C...
CřPëCřC,PsP»C-CřPSPëPNë P°CĤC,PμCĤC-P°P»CHPSPëPNë C,PëCřPe) Cř CřC,P°PSC-
CřPĭPsPePsCĤ C,P° PĭC-Pr CřP°Cř C,,C-P·PëCřPSPšPiPs PSP°PIP°PSC,P°P¶PμPSPSCĹ. P'PĭP»PëPI
C-PIP°P±CĤP°PrPëPSCř PSP° P°CĤC,PμCĤC-P°P»CHPSPëPNë C,PëCřPe C,P°
CĤPμP·PëCřC,PμPSC,PSC-CřC,CH PĭPμCĤPëC,,PμCĤPëCřPSPëC... CřCřPrPëPS P±CřPI
PjC-PSC-PjP°P»CHPSPëPj C,P° PSPμ PjP°PI PeP»C-PSC-CřPSPšPiPs P·PSP°CřPμPSPSCĹ.

P'CřP»Ps PĭCĤPsPrPμPjPsPSCřC,CĤPsPIP°PSPš CřC,C-PNëPePμ P·PSPëP¶PμPSPSCĹ PŠPŸPŸ Cř
PĭP°CřC-C''PSC,C-PI, CĹPeC- PĭCĤPëPNëPjP°P»Pë C-PIP°P±CĤP°PrPëPS PĭCĤPsC,CĹPiPsPj
C%oPsPSP°PNëPjPμPSC€Pμ 1 CĤPsPeCř (n = 713). P'PĭP»PëPICř PSP° PjPμC,P°P±PsP»C-P·Pj
PiP»CHPePsP·Pë C,P° P»C-PĭC-PrC-PI PSPμ CřPĭPsCřC,PμCĤC-PiP°P»PsCřCĹ.

PJ C...PIPsC₇P₆C... PSP° C†C†P₆C₇PsPIP₆PN₆ PrC-P°P±P₆C, (n = 457) P±C†P»Ps
P₆C-PrC,PIP₆C₇PrP¶P₆PSPs P°PSC,P₆P°PSPiC-PSP°P»CH₆PSC† C,P° P°PSC,P₆C-C₆P₆PjC-C†PSC†
P₆C,,P₆PeC,P₆PIPSC-C†C,CH₆ C-PIP°P±C₇P°PrP₆PSC† P· C,P°PeP₆Pj C†P°PjP₆Pj
P₆C₇PsC,,C-P»P₆Pj P±P₆P·P₆P₆PeP₆, C†P₆ C- PI P·P°P₆P°P»CH₆PSC-PN₆ P₆PsP₆C†P»C†C†C-C—.

PJ C₆P₆C₇PsPePsPjP°C†C₆C,P°P±PSPsPjC† PrPsC†P»C-PrP¶P₆PSPSC- BEAUTIFUL P·
PsC†C-PSPeP₆ PeC-PSC†P₆PIP₆C... P₆PsPeP°P·PSP₆PeC-PI P· C†C†P°C†C,CH₆

10 917 PsC†C-P± P· C-C₆P₆PjC-C†PSPsC₇ C...PIPsC₇PsP±PsC₇ C†P₆C₇C†C† C,P°
PrP₆C†C,,C†PSPeC†C-C”C₇ P»C-PIPsPiPs C₆P»C†PSPsC†PeP° (PαP’P>P₆ < 40 %)
C-PIP°P±C₇P°PrP₆PS P₆C₇P₆P·PSP°C†P°P»P₆ PrPsPrP°C,PePsPIPs PrPs
PsP₆C,P₆PjP°P»CH₆PSPsC— PsC†PSPsPIPSPsC— C,P₆C₇P°P₆C— (86,9 % P₆P°C†C-C”PSC,C-PI
PsC,C₇P₆PjC†P₆P°P»P₆ β-P±P»PsPeP°C,PsC₇P₆). P₆C†PSPsPIPSP₆Pj PePsPjP±C-PSPsPIP°PSP₆Pj
PeC₇P₆C,P₆C₇C-C”Pj P₆C,,P₆PeC,P₆PIPSPsC†C,C- P±C†P»P° PeC-P»CH₆PeC-C†C,CH₆
P»P₆C,P°P»CH₆PSP₆C... PSP°C†P»C-PrPeC-PI C†P₆C₇P₆P· C†P₆C₇C†P₆PIPs-C†C†PrP₆PSPSC†
P₆P°C,PsP»PsPiC-C₇, PiPsC†P₆C-C,P°P»C-P·P°C†C-C₇ P· P₆C₇P₆PIPsPrC† PiPsC†C,C₇PsPiPs
C-PSC,,P°C₇PeC,C† PjC-PsPeP°C₇PrP° (P†P₆), P° C,P°PePsP¶ P· P₆C₇P₆PIPsPrC†
PIP₆PSP₆PePSP₆PSPSC† P°P±Ps PiPsPiC-C₇C₆P₆PSPSC† C†P₆C₇C†P₆PIPsC—
PSP₆PrPsC†C,P°C,PSPsC†C,C-. P”PsC†P»C-PrP¶P₆PSPSC† P₆PsPeP°P·P°P»Ps
PIC-PrC†C†C,PSC-C†C,CH₆ C₇C-P·PSP₆C†C- C† P₆P₆C₇PIP₆PSPSPsPjC†
PePsPjP±C-PSPsPIP°PSPsPjC† P₆PsPeP°P·PSP₆PeC† PjC-P¶ PiC₇C†P₆PjP₆
P·P°C†C,PsC†C†P₆PSPSC† C-PIP°P±C₇P°PrP₆PSC† P°P±Ps P₆P»P°C†P₆P±Ps
(PIC-PrPSPsC†PSP₆PN₆ C₇P₆P·P₆Pe C† PiC₇C†P₆C- C-PIP°P±C₇P°PrP₆PSC†
P₆PsC₇C-PIPSC†PSPs P· PiC₇C†P₆PsC₇ P₆P»P°C†P₆P±Ps: 1,00; p=0,945).

P₆C₇P₆ C₇P₆C,C₇PsC†P₆PeC,P₆PIPSPsPjC† P°PSP°P»C-P·C- C† P₆C-PrPiC₇C†P₆C-
P₆P°C†C-C”PSC,C-PI C-P· C†P₆PjP₆C,PsPjP°C,P₆C†PSPsC₇ C†C,P₆PSPsPeP°C₇PrC-C”C₇ PSP°
PjPsPjP₆PSC, C₇P°PSPPrPsPjC-P·P°C†C-C— (n=1507) PSP₆ P±C†P»Ps PIP₆C†P₆P»P₆PSPs
C†P₆PiPSP°P»C-PI P±P₆P·P₆P₆PeP₆ C°PsPrPs P»P₆C,P°P»CH₆PSP₆C... PSP°C†P»C-PrPeC-PI
C†P₆C₇P₆P· C†P₆C₇C†P₆PIPs-C†C†PrP₆PSPSC† P₆P°C,PsP»PsPiC-C₇,
PiPsC†P₆C-C,P°P»C-P·P°C†C-C₇ P· P₆C₇P₆PIPsPrC† PiPsC†C,C₇PsPiPs P†P₆ P°P±Ps
C†P₆C₇C†P₆PIPsC— PSP₆PrPsC†C,P°C,PSPsC†C,C- (C-PIP°P±C₇P°PrP₆PS 12,0 %
P₆PsC₇C-PIPSC†PSPs P· P₆P»P°C†P₆P±Ps 15,5 %, p=0,05).

PJ C₆P₆C₇PsPePsPjP°C†C₆C,P°P±PSPsPjC† PrPsC†P»C-PrP¶P₆PSPSC-B SIGNIFY P·
PsC†C-PSPeP₆ PeC-PSC†P₆PIP₆C... P₆PsPeP°P·PSP₆PeC-PI P· C†C†P°C†C,CH₆

19 102 P₆P°C†C-C”PSC,C-PI P· C-C₆P₆PjC-C†PSPsC₇ C...PIPsC₇PsP±PsC₇ C†P₆C₇C†C† P±P₆P·
PeP»C-PSC-C†PSP₆C... P₆C₇PsC†P₆C-PI C†P₆C₇C†P₆PIPsC— PSP₆PrPsC†C,P°C,PSPsC†C,C-
(PαP’P>P₆ > 40 %) C-PIP°P±C₇P°PrP₆PS P₆C₇P₆P·PSP°C†P°P»P₆ PrPsPrP°C,PePsPIPs PrPs
PsP₆C,P₆PjP°P»CH₆PSPsC— PsC†PSPsPIPSPsC— C,P₆C₇P°P₆C— PJ C†CH₆PsPjC†
PrPsC†P»C-PrP¶P₆PSPSC- P·P°C†C,PsC†P₆PiC†P₆P°P»P₆ C,P₆C₇P°P₆PiC,P₆C†PSC†
C†C...P₆PjC† P· PIP₆C°P₆Pj PrPsP·C†P₆PSPSC†Pj, PSC-P¶ P·P°C₇P₆C”C†C,C₇PsPIP°PSP₆
(P₆PsC†P°C,PePsPIP° PrPsP·P° б₇” 7,5 PjPi PrPIC-C†C- PSP° PrPsP±C† [5 PjPi PrPIC-C†C- PSP°
PrPsP±C† PrP»C† P₆P°C†C-C”PSC,C-PI PIC-PePsPj ≥ 75 C₇PsPeC-PI] C,P° C,P₆C,C₇P°C†C-C†
PrPsP·P₆ PrPs 10 PjPi PrPIC-C†C- PSP° PrPsP±C†). P₆C†PSPsPIPSP₆Pj PeC₇P₆C,P₆C₇C-C”Pj
P₆C,,P₆PeC,P₆PIPSPsC†C,C- P±C†PI PePsPjP±C-PSPsPIP°PSP₆PN₆ P₆PsPeP°P·PSP₆Pe
P»P₆C,P°P»CH₆PSP₆C... PIP₆P₆P°PrPeC-PI C†PSP°C†P»C-PrPsPe C†P₆C₇C†P₆PIPs-
C†C†PrP₆PSPSPsC— P₆P°C,PsP»PsPiC-C— P°P±Ps PSP₆P»P₆C,P°P»CH₆PSPsPiPs P†P₆.
P”PsC†P»C-PrP¶P₆PSPSC† PSP₆ PIP₆C†P₆P₆P»Ps C₇C-P·PSP₆C†C- C† C†P°C†C,PsC,C-
PIP₆PSP₆PePSP₆PSPSC† P₆P₆C₇PIP₆PSPSPsC— PePsPjP±C-PSPsPIP°PSPsC—
PeC-PSC†P₆PIPsC— C,PsC†PeP₆ (P₆P₆P₆P₆P₆) C† PiC₇C†P₆C- C-PIP°P±C₇P°PrP₆PSC†

PiPsC₇C-PIPSC₁IPSPs P·PiC₇C₇PiPsC₇ PiP»P°C†P_μP±Ps (PIC-PrPSPsC₇PSP₂PN₂ C₇P₂P·P₂Pe C-PIP°P±C₇P°PrP₂PS/PiP»P°C†P_μP±Ps 1,08; C₇=0,197). P°C₇P°PrP₂PeP°C₇PrC-C₇ C₇PiPsC₇C, P_μC₇C-PiP°P»P°C₇C₇ C₇ 17,9 % PiP°C†C-C°PSC, C-PI C₇ PiC₇C₇PiC- C-PIP°P±C₇P°PrP₂PS C₇ (2,1 % C₇ PiC₇C₇PiC- PiP»P°C†P_μP±Ps). P_μC₇PsC, C₇IPiPsPj PrPsC₇P»C-PrP₂P_μPSPSC₇ 7,1 % PiP°C†C-C°PSC, C-PI PsC, C₇P₂PjC₇PIP°P»P₂ PIP_μC₇P°PiP°PjC-P», PrP₂P»C, C-P°P·P_μPj P°P±Ps C₇P₂P»C₇PS- C-PSPiC-P±C-C, PsC₇P₂ CYP 3A4.

P₂P_μP·PSP°C†PSP_μ C₇C, P°C, P₂C₇C, P₂C†PSPs P·PSP°C†C₇C%P_μ PiC-PrPIP₂C%P_μPSPSC₇ C†P°C₇C, PsC, P₂ PIP₂PSP₂PePSP_μPSPSC₇ P_μP₂P₂P₂ C₇PiPsC₇C, P_μC₇C-PiP°P»PsC₇C₇ C₇ PiPsPiP_μC₇P_μPrPSC₇Ps PIP₂P·PSP°C†P_μPSC-PN₂ PiC-PrPiC₇C₇PiC- PiP°C†C-C°PSC, C-PI P·C- C₇C, P_μPSPsPeP°C₇PrC-C°C₇ P†P† PeP»P°C₇C₇ P°P±Ps PIP₂C%P_μ P·P° PeP»P°C₇P₂C, C-PeP°C†C-C°C₇ P₂P°PSP°PrC₇C₇PePsPiPs C, PsPIP°C₇P₂C₇C, PIP° C₇P_μC₇C†P_μPIPs-C₇C₇PrP₂PSPSP₂C... P·P°C...PIPsC₇C₇PIP°PSC₇ (CCS) (n=12 049) (C₇C-C†PSP₂PN₂ PiPsPeP°P·PSP₂Pe 3,4 % PiC₇PsC, P₂ 2,9 %, PIC-PrPSPsC₇PSP₂PN₂ C₇P₂P·P₂Pe C-PIP°P±C₇P°PrP₂PS/PiP»P°C†P_μP±Ps 1,18; C₇=0,018); P°P»P_μ C₇ PiC-PrPiC₇C₇PiC- P·P°PiP°P»C₇PSPsC— PiPsPiC₇P»C₇C†C-C— PiP°C†C-C°PSC, C-PI P·C- C₇C, P_μPSPsPeP°C₇PrC-C°C₇ PeP»P°C₇C₇ CCS ≥ P† C, P°PePsPiPs P_μC, P_μPeC, C₇ PIP₂C₇PIP»P_μPSPs PSP_μ P±C₇P»Ps (n=14 286) (PIC-PrPSPsC₇PSP₂PN₂ C₇P₂P·P₂Pe C-PIP°P±C₇P°PrP₂PS/PiP»P°C†P_μP±Ps 1,11; C₇=0,110).

P°PePePsC₇P₂C₇C, P°PSPSC₇ C₇ PrPsC₇P»C-PrP₂P_μPSPSC- PIP₂C%PsC— P·P° P·P°C, PIP_μC₇PrP₂P_μPSC₇ PrPsP·P₂ C†P°C₇C, PePsPIPs PiPsC₇C₇PSC₇C° PsPrP_μC₇P₂P°PSC- C₇P_μP·C₇P»C₇C, P°C, P₂.

SHIFT B₇“ P±P°PiP°C, PsC†P_μPSC, C₇PsPIP_μ PjC-P₂PSP°C₇PsPrPSP_μ C₇P°PSPPrPsPjC-P·PsPIP°PSP_μ PiPsPrPIC-PN₂PSP_μ C₇P»C-PiP_μ PiP»P°C†P_μP±Ps- PePsPSC, C₇PsP»C₇PsPIP°PSP_μ PrPsC₇P»C-PrP₂P_μPSPSC₇ P· PsC†C-PSPeP₂ PeC-PSC†P_μPIP₂C... C₇P_μP·C₇P»C₇C, P°C, C-PI, C₇PeP_μ PIP₂P»C₇C†P°P»Ps 6505 PrPsC₇PsC₇P»P₂C... PiP°C†C-C°PSC, C-PI P·C- C₇C, P°P±C-P»C₇PSPsC₇C...C₇PsPSC-C†PSPsC₇ C₇P_μC₇C†P_μPIPsC₇ PSP_μPrPsC₇C, P°C, PSC-C₇C, C₇ (P₂P₂P₂) (C, C₇P₂PIP°P»C-C₇C, C₇ ≥ 4 C, P₂P₂(PSC-PI) II-IV C, C₇PSPeC†C-PsPSP°P»C₇PSPeC... PeP»P°C₇C-PI (P·P° PeP»P°C₇P₂C, C-PeP°C†C-C°C₇ P₂C₇C₇P-P°P₂C₇PeC₇C₇PePsC— P°C₇PsC†C-P°C†C-C— PeP°C₇PrC-PsP»PsPiC-PI [NYHA]), P·C- P·PSP₂P_μPSPsC₇C, C₇P°PeC†C-C°C₇ PIP₂PeP₂PrC₇ P»C-PIPsPiPs C₇P»C₇PSPsC†PeP° (P₂P°P°P₂ ≤ 35 %) C, P° P₂P₂P₂ ≥ 70 C₇Pr/C...PI C₇ C₇C, P°PSC- C₇PiPsPePsC₇.

P_μP°C†C-C°PSC, P₂ PsC, C₇P₂PjC₇PIP°P»P₂ C₇C, P°PSPPrP°C₇C, PSC₇ C, P_μC₇P°PiC-C₇, PIP₂P»C₇C†P°C₇C†P₂ P·P°C₇C, PsC₇C₇PIP°PSPSC₇ β-P±P»PsPeP°C, PsC₇C-PI (89 %), C-PSPiC-P±C-C, PsC₇C-PI P°PSPiC-PsC, P_μPSP·P₂PSPiP_μC₇P_μC, PIPsC₇C₇PIP°P»C₇PSPsPiPs C, P_μC₇PjP_μPSC, C₇ (P₂P_μP₂) C, P°/P°P±Ps P°PSC, P°PiPsPSC-C₇C, C-PI P°PSPiC-PsC, P_μPSP·P₂PSC₇ P†P† (91 %), PrC-C₇C₇P_μC, P₂PeC-PI (83 %) C, P° P°PSC, P₂P°P»C₇PrPsC₇C, P_μC₇PsPSPsPIP₂C... PiC₇P_μPiP°C₇P°C, C-PI (60 %). Pj PiC₇C₇PiC- C-PIP°P±C₇P°PrP₂PS C₇ 67 % PiP°C†C-C°PSC, C-PI PsC, C₇P₂PjC₇PIP°P»P₂ P»C-PeP°C₇C₇PeP₂PN₂ P·P°C₇C-P± C₇ PrPsP·C- 7,5 PjPi PrPIC-C†C- PSP° PrPsP±C₇. P₂P_μC₇P_μPrPSC₇ C, C₇P₂PIP°P»C-C₇C, C₇ PiPsPrP°P»C₇C₇PsPiPs C₇PiPsC₇C, P_μC₇P_μP₂PSPSC₇ C₇C, P°PSPsPIP₂P»P° 22,9 PjC-C₇C₇C†C₇. P»C-PeC₇PIP°PSPSC₇ C-PIP°P±C₇P°PrP₂PS Pj C₇C₇PiC₇PsPIPsPrP₂C₇PIP°P»PsC₇C₇ P·PSP₂P_μPSPSC₇Pj P₂P₂P₂ C₇ C₇P_μC₇P_μPrPSC₇PsPjC₇ PSP° 15 C₇Pr/C...PI PiPsC₇C-PIPSC₇IPSPs P·PiPsC†P°C, PePsPIP₂Pj P·PSP°C†P_μPSPSC₇Pj 80 C₇Pr/C...PI. P C-P·PSP₂C†C₇ P₂P₂P₂ PjC-P₂ PiC₇C₇PiP°PjP₂ C-PIP°P±C₇P°PrP₂PS C₇, P° PiP»P°C†P_μP±Ps C₇C, P°PSPsPIP₂P»P° 10,8 C₇Pr/C...PI PiC-C₇P»C₇ 28 PrPSC-PI PiC₇P₂PN₂PsPjC₇, 9,1 C₇Pr/C...PI

	P†PIP°P±CĤP°PrPēPS (N=3241) n (%)	PuP»P°C†PμP±Ps (N=3264) n (%)	PYPiC-PIPIC-PrPSPsCēPμPSPSCĬ CĤPēP·PēPeC-Pi [95 % P°P†]	p·P·PSP°C†PμPSPSCĬ
PuPμCĤPIPēPSPSP° PePsPjP±C-PSPsPIP°PSP° PeC-PSC†PμPIP° C,PsC†PeP°	793 (24,47)	937 (28,71)	0,82 [0,75; 0,90]	<0,0001
PμPsPjPiPsPSPμPSC,Pē PePsPjP±C-PSPsPIP°PSPsC— PeC-PSC†PμPIPsC— C,PsC†PePē: -B B B B B B B B P·PμC,P°P»CĤPSPēPNē PSP°C†P»C-PrPsPe C†PμCĤPμP· C†PμCĤC†PμPIPs-C†C†PrPēPSPSC† PiP°C,PsP»PsPiC-CĤ -B B B B B B B B P°PsC†PiC-C,P°P»C-P·P°C†C-CĬ P· PiCĤPēPIPsPrC† PiPsPiC-CĤCēPμPSPSCĬ PiPuCĤPμP±C-PiC† PŸPĶ	449 (13,85)	491 (15,04)	0,91 [0,80; 1,03]	0,128
	514 (15,86)	672 (20,59)	0,74 [0,66; 0,83]	<0,0001

P†PSC€C- PIC,PsCĤPëPSPSC- PeC-PSC†PµPIC- C,PsC†PePë: -B B B B B B P·PµC,P°P»CHBPSPëPNë PSP°C†P»C-PrPsPe P· B B B B B B B B P±CrPrCHb- CĤPePsC— P†CĤPëC†PëPSPë -B B B B B B P·PµC,P°P»CHBPSPëPNë PSP°C†P»C-PrPsPe C†PµCĤPµP· PŸPķ -B B B B B B P°PSc†P†C-C,P°P»C-P·P°C†C-CĤ P· P±CrPrCHb-CĤPePsC— P†CĤPëC†PëPSPë -B B B B B B P°PSc†P†C-C,P°P»C-P·P°C†C-CĤ P· P†CĤPëPµPPrCr† C†PµCĤC†PµPIP- C†CrPrPëPSPSPSC— P†P°C,PsP»PsPiC-C—	503 (15,52) 113 (3,49) 1231 (37,98) 977 (30,15)	552 (16,91) 151 (4,63) 1356 (41,54) 1122 (34,38)	0,90 [0,80; 1,02] 0,74 [0,58; 0,94] 0,89 [0,82; 0,96] 0,85 [0,78; 0,92]	0,092 0,014 0,003 0,0002
--	--	---	--	---

P—PjPµPSC€PµPSPSCĤ C†P°C†C,PsC,Pë PIPëPSPëPePSPµPSPSCĤ P†PµCĤPIPëPSPSPsC—
PeC-PSC†PµPIPsC— C,PsC†PePë C†P†PsC†C,PµCĤC-PiP°P»PSc†CĤ PSPµP·P°P»PµP¶PSPs PIC-Pr
C†C,P°C,C-, PeP»P°C†C† NYHA, C-C€PµPjC-C†PSPsC— P°P±Ps PSPµC-C€PµPjC-C†PSPsC—
PµC,C-PsP»PsPiC-C— C†PµCĤC†PµPIPsC— PSPµPrPsC†C,P°C,PSPsC†C,C- C,P°
PSP°CĤPIPSPsC†C,C- PrC-P°P±PµC,C† P°P±Ps PiC-P†PµCĤC,PµPSP·C-C— PI P°PSP°PjPSPµP·C-
P†P°C†C-C°PSC,P°.

PJ P†C-PrPiCĤC†P†C- P†P°C†C-C°PSC,C-PI C-P· PŸPŸPŸ ≥ 75 CrPr/C...PI (n=4150)
C†P†PsC†C,PµCĤC-PiP°P»PSc†CĤ P·PSP°C†PSPµ P·PSPëP¶PµPSPSCĤ C†P°C†C,PsC,Pë
PIPëPSPëPePSPµPSPSCĤ P†PµCĤPIPëPSPSPsC— PePsPjP±C-PSPsPIP°PSPsC—
PeC-PSC†PµPIPsC— C,PsC†PePë PSP° 24 % (C†P†C-PIPIC-PrPSPsC€PµPSPSCĤ CĤPëP·PëPeC-PI:
0,76, 95 % P°P† [0,68; 0,85] бĤ“ p<0,0001) C,P° C-PSC€PëC... PIC,PsCĤPëPSPSPëC...
PeC-PSC†PµPIPsC... C,PsC†PsPe, PIPeP»CĤC†P°CĤC†Pë P»PµC,P°P»CHBPSPëPNë
PSP°C†P»C-PrPsPe P· P±CrPrCHb-CĤPePsC— P†CĤPëC†PëPSPë
(C†P†C-PIPIC-PrPSPsC€PµPSPSCĤ CĤPëP·PëPeC-PI: 0,83, 95 % P°P† [0,72; 0,96] бĤ“ p=0,0109)
C- P»PµC,P°P»CHBPSPëPNë PSP°C†P»C-PrPsPe C†PµCĤPµP· C†PµCĤC†PµPIPs-C†C†PrPëPSPSC†
P†P°C,PsP»PsPiC-CĤ (C†P†C-PIPIC-PrPSPsC€PµPSPSCĤ CĤPëP·PëPeC-PI: 0,83, 95 % P°P† [0,71;
0,97] бĤ“ p=0,0166). PµCĤPsC,,C-P»CH P±PµP·P†PµPePë C-PIP°P±CĤP°PrPëPSC† Cr C†C-PNë
PiC-PrPiCĤC†P†C- P†P°C†C-C°PSC,C-PI PIC-PrPiPsPIC-PrP°C” P†CĤPsC,,C-P»CĤ P±PµP·P†PµPePë
C† P·P°PiP°P»CHBPSC-PNë P†PsPiC†P»CĤC†C-C—.

P°PSc†P»C-PrP¶PµPSPSCĤ P†CĤPsPrPµPjPsPSC†C,CĤC†PIP°P»Ps P·PSP°C†PSPµ
P·PSPëP¶PµPSPSCĤ C†P°C†C,PsC,Pë PIPëPSPëPePSPµPSPSCĤ P†PµCĤPIPëPSPSPsC—
PePsPjP±C-PSPsPIP°PSPsC— PeC-PSC†PµPIPsC— C,PsC†PePë PI P·P°PiP°P»CHBPSC-PNë
PiCĤC†P†C- P†P°C†C-C°PSC,C-PI, CĤPeC- PsC,CĤPëPjC†PIP°P»Pë C,PµCĤP°PiC-CĤ β-
P±P»PsPeP°C,PsCĤP°PjPë (C†P†C-PIPIC-PrPSPsC€PµPSPSCĤ CĤPëP·PëPeC-PI: 0,85, 95 % P°P†
[0,76; 0,94]). PJ P†C-PrPiCĤC†P†C- P†P°C†C-C°PSC,C-PI P· PŸPŸPŸ ≥ 75 CrPr/C...PI, CĤPeC-
P†CĤPëPNëPjP°P»Pë β-P±P»PsPeP°C,PsCĤPë PI CĤPµPePsPjPµPSPPrPsPIP°PSPëC... PrPsP·P°C...,
PSPµ P±C†P»Ps PIPëCĤPIP»PµPSPs C†C,P°C,PëC†C,PëC†PSPs P·PSP°C†C†C°%PsPiPs
PIP°P»PëPIC† PSP° P†PµCĤPIPëPSPSC† PePsPjP±C-PSPsPIP°PSC† PeC-PSC†PµPIC† C,PsC†PeC†
(C†P†C-PIPIC-PrPSPsC€PµPSPSCĤ CĤPëP·PëPeC-PI: 0,97, 95 % P°P† [0,74;1,28]) C,P° C-PSC€C-
PIC,PsCĤPëPSPSC- PeC-PSC†PµPIC- C,PsC†PePë, P·PsPeCĤPµPjP°
PiPsC†P†C-C,P°P»C-P·P°C†C-CĤ P· P†CĤPëPIPsPrCr† PiPsPiC-CĤC€PµPSPSCĤ P†PµCĤPµP±C-PiC†
C†PµCĤC†PµPIPsC— PSPµPrPsC†C,P°C,PSPsC†C,C- (C†P†C-PIPIC-PrPSPsC€PµPSPSCĤ
CĤPëP·PëPeC-PI: 0,79, 95 % P°P† [0,56; 1,10]) P°P±Ps P»PµC,P°P»CHBPSPëPNë PSP°C†P»C-PrPsPe
PIC-Pr C†PµCĤC†PµPIPsC— PSPµPrPsC†C,P°C,PSPsC†C,C- (C†P†C-PIPIC-PrPSPsC€PµPSPSCĤ
CĤPëP·PëPeC-PI: 0,69, 95 % P°P† [0,31; 1,53]).

PJ 887 (28 %) P†P°C†C-C°PSC,C-PI Cr PiCĤC†P†C- C-PIP°P±CĤP°PrPëPSC†

PIC-PrP·PSP°C†P°P»PsCfCfCf P·PSP°C†PSPµ PīPsPeCfP°C%PµPSPSCfCf
C,,CfPSPeC†C-PsPSP°P»CHPSPsPiPs PeP»P°CfCf (P·P° PeP»P°CfPëC,,C-PeP°C†C-C"CH NYHA)
PīPsCfCf-PiPSCfCfPSPs P· 776 (24 %) PīP°C†C-C"PSC,P°PjPë Pi PiCfCfPīC- PīP»P°C†PµP±Ps
(Cf=0,001).

PµC-Pr C†P°Cf CfP°PSPPrPsPjC-P·PsPiP°PSPsPiPs PīP»P°C†PµP±Ps-
PePsPSC,CfPsP»CHPSPiP°PSPsPiPs PrPsCfP»C-PrP¶PµPSPSCfCf P· CfC†P°CfC,Cf 97
PīP°C†C-C"PSC,C-Pi PrP°PSC-, PsC,CfPëPjP°PSC- PīC-Pr C†P°Cf CfPīPµC†C-P°P»CHPSPëC...
PsC,,C,P°P»CHPjPsP»PsPiC-C†PSPëC... PsP±CfC,PµP¶PµPSCfCf, CfPīCfCfPjPsPiP°PSPëC... PSP°
PsC†C-PSPeCf C,,CfPSPeC†C-C— CfPëCfC,PµPj PePsP»P±PsC†PsPe C- PīP°P»PëC†PsPe C,P°
PiPëCfC...C-PrPSPsPiPs C¶P»CfCf...Cf P·PsCfPsPiPëC... P°PSP°P»C-P·P°C,PsCfCf-Pi
(PµP»PµPeC,CfPsCfPµC,PëPSPsPiCfP°PjP°, CfC,P°C,PëC†PSPµ C,P° PeC-PSPµC,PëC†PSPµ
PīPsP»CfCf P·PsCfCf, CfPīCfPëPµPSCfCf,C,Cf PePsP»CHPSCfCf-Pi, PiPsCfCf,CfPsC,P°
P·PsCfCf) Cf PīP°C†C-C"PSC,C-Pi, CfPeC- PīCfPëPµPjP°P»Pë C-PiP°P±CfP°PrPëPS PrP»CfCf
P»C-PeCfPiP°PSPSCfCf C...CfPsPSC-C†PSPsC— CfC,P°P±C-P»CHPSPsC—
CfC,PµPSPsPeP°CfPrC-C— PīCfPsC,CfPiPsPj 3 CfPsPeC-Pi, PSPµ PiPëCfPiPëP»Pë
C,PsPeCfPëC†PSPsCfCf,C- PrP»CfCf CfC-C,PeC-PiPePë.

PαP°CfPjP°PePsPeC-PSPµC,PëPeP°.

Pj C,,C-P·C-PsP»PsPiC-C†PSPëC... CfPjPsPiP°C... C-PiP°P±CfP°PrPëPS C¶PiPëPrPePs
PiPëPiC-P»CHPSCfCf"C,CfCfCfCf C,P° PjP°C" PiPëCfPsPeCf CfPsP·C†PëPSPSC-CfC,Cf Cf
PiPsPrC- (> 10 PjPi/PjP»). P†PiP°P±CfP°PrPëPS C" S-PµPSP°PSC,C-PsPjPµCfPsPj, CfPePëPµ
PSPµ PīPsPeP°P·P°Pi P±C-PsPePsSPiPµCfCfCf— *in vivo*. PhCfPSPsPiPSPëPj P°PeC,PëPiPSPëPj
PjPµC,P°P±PsP»C-C,PsPj PiCfPë PjPµPrPëC†PSPsPjCf P·P°CfC,PsCfCfPiP°PSPSC-
C-PiP°P±CfP°PrPëPSCf C" N-PrPµCfPjPµC,PëP»CHPSPiP°PSPëPµ PrPµCfPëPiP°C,.

PµP±CfPsCfP±C†C-CfCf C,P° P±C-PsPrPsCfCf,CfPīPSC-CfC,Cf. PµC-CfP»CfCf
PīPµCfPsCfP°P»CHPSPsPiPs PīCfPëPµPjCf C-PiP°P±CfP°PrPëPS C¶PiPëPrPePs C,P°
PjP°PµP¶Pµ PīPsPiPSC-CfC,Cf PiCfPjPsPeC,CfC"C,CfCfCfCf. PµCfPë
P·P°CfC,PsCfCfPiP°PSPSC- PSP°C,C%Pµ PjP°PeCfPëPjP°P»CHPSP°
PePsPSC†PµPSC,CfP°C†C-CfCf Cf PīP»P°P·PjC- PeCfPsPiC- PrPsCfCfPiP°C"C,CfCfCfCf
PīCfPëP±P»PëP·PSPs C†PµCfPµP· 1 PiPsPrPëPSCf. PµP±CfPsP»CfC,PSP°
P±C-PsPrPsCfCf,CfPīPSC-CfC,Cf C,P°P±P»PµC,PsPe, PiPeCfPëC,PëC... PīP»C-PiPePsPiPsCf
PsP±PsP»PsPSPePsCf, CfC,P°PSPsPiPëC,Cf P±P»PëP·CHPePs 40 %, C%Ps P·CfPjPsPiP»PµPSPs
PµC,,PµPeC,PsPj PīPµCfC¶PsPiPs PīCfPsC...PsPrP¶PµPSPSCfCf C†PµCfPµP· C,CfP°PiPSPëPµ
C,CfP°PeC, C,P° PīPµC†C-PSPeCf.

PµCfPëPµPjP°PSPSCf PīCfPµPīP°CfP°C,Cf PsPrPSPsC†P°CfPSPs P· C—P¶PµCf
CfPīPsPiC-P»CHPSCfCf" P°P±CfPsCfP±C†C-Cf PīCfPëP±P»PëP·PSPs PSP° 1 PiPsPrPëPSCf
C,P° PīC-PrPiPëC%CfC" PePsPSC†PµPSC,CfP°C†C-CfCf Cf PīP»P°P·PjC- PeCfPsPiC- PSP°
20-30 %. P©PsP± P·PjPµPSC¶PëC,Pë C-PSC,CfP°C-PSPPrPëPiC-PrCfP°P»CHPSC-
PePsP»PëPiP°PSPSCfCf PePsPSC†PµPSC,CfP°C†C-C— PīCfPµPīP°CfP°C,Cf,
CfPµPePsPjPµPSPPrCfC"C,CfCfCfCf PīCfPëPµPjP°C,Pë C,P°P±P»PµC,PePë PīC-Pr C†P°Cf
C—P¶C- (PrPëPi. CfPsP·PrC-P» B«PŸPīPsCfCf-P± P·P°CfC,PsCfCfPiP°PSPSCfCf C,P° PrPsP·PëB»).

P PsP·PīPsPrC-P». PµCfPëP±P»PëP·PSPs 70 % C-PiP°P±CfP°PrPëPSCf
P·PiBf™ CfP·CfC"C,CfCfCfCf P· P±C-P»PeP°PjPë PīP»P°P·PjPë PeCfPsPiC-. PhP±Bf™ C"Pj
CfPsP·PīPsPrC-P»Cf Cf CfC,P°PrC-C— CfC,P°P±C-P»CHPSPsC— CfC-PiPSPsPiPë
CfC,P°PSPsPiPëC,Cf P±P»PëP·CHPePs 100 P». PµCfPë C,CfPëPiP°P»PsPjCf
P·P°CfC,PsCfCfPiP°PSPSC- CfPµPePsPjPµPSPPrPsPiP°PSPsC— PrPsP·Pë 5 PjPi PrPiC-C†C- PSP°
PrPsP±Cf PjP°PeCfPëPjP°P»CHPSP° PePsPSC†PµPSC,CfP°C†C-CfCf Cf PīP»P°P·PjC- PeCfPsPiC-

СГГ,Р°PSPsPIPëC,CH 22 PSPI/PjP» (PePsPµC,,C-СГГ-С"PSC, PIP°СГГ-Р°СГГ-С— [CV] 29 %).
PŸPµСГГPµPrPSCŬ PePsPSC†PµPSC,СГГР°СГГ-СŬ СГГ PŸP»P°P·PjC- PeСГГPsPIC- СГГ СГГ,Р°PrC-С—
СГГ,Р°P±C-Р»СГГPSPsC— СГГ-PIPSPsPIP°PiPë СГГ,Р°PSPsPIPëC,CH 10 PSPI/PjP» (CV = 38 %).

P'С-PsC,СГГР°PSCГГ,PsСГГPjP°СГГ-СŬ. P†PIP°P±СГГР°PrPëPS PµPeСГГ,РµPSCГГPëPIPSPs
PjPµC,Р°P±PsP»C-Р·СГГ"С,СГГСГГŬ СГГ PŸPµC±C-PSC†C- C,Р° PePëC€PµC±PSPëPeСГГ
C€P»СŬC...PsPj PsPePëСГГPSPµPSPSCŬ СГГPëСГГ,РµPjPsСГГ СГГPëC,PsC...СГГPsPjCГГ P450 3A4
(CYP3A4). PhСГГPSPsPIPSPëPj P°PeC,PëPIPSPëPj PjPµC,Р°P±PsP»C-С,PsPj C"

N-PrPµСГГPjPµC,PëP»СГГPsPIP°PSPëPNë PrPµСГГPëPIP°C, (S 18982), PePsPSC†PµPSC,СГГР°СГГ-СŬ
СŬPePsPiPs СГГ,Р°PSPsPIPëC,CH 40 % PIC-Pr PePsPSC†PµPSC,СГГР°СГГ-С—
PŸPsC±P°C,PePsPIPsC— СГГPŸPsP»СГГPePë. Pj PjPµC,Р°P±PsP»C-Р·PjC- СГГСГГPsPiPs
P°PeC,PëPIPSPsPiPs PjPµC,Р°P±PsP»C-С,СГГ C,Р°PePsPŬ P±PµСГГPµ СГГСГГР°СГГ,СГГ CYP3A4.
P†PIP°P±СГГР°PrPëPS PjP°C" PSPëP·СГГPeСГГ СГГPŸPsСГГ-PrPSPµPSC-СГГ,СГГ C-Р· CYP3A4, PSPµ
P°PeC,PëPICГГ" C,Р° PSPµ C-PSPiC-P±СГГ" PNëPsPiPs PeP»C-PSC-СГГPSPs P·PSP°СГГСГГ%PsСГГ
PjC-СГГPsСГГ, Р° PsC,PŬPµ, PIC-СГГPsPiC-PrPSPs, PSPµ P·PjC-PSCГГPIP°C,PëPjPµ
PjPµC,Р°P±PsP»C-Р·Pj СГГСГГP±СГГ,СГГР°C,СГГ CYP3A4 P°P±Ps PNëPsPiPs
PePsPSC†PµPSC,СГГР°СГГ-СГГ СГГ PŸP»P°P·PjC- PeСГГPsPIC-. PµСГГPsC,Рµ СГГPëP»СГГPSC-
C-PSPiC-P±C-С,PsСГГPë C,Р° C-PSPrСГГPeC,PsСГГPë PjPsPŬСГГ,СГГ СГГСГГ,С,С"PIPs
PIPŸP»PëPIP°C,Pë PSP° PePsPSC†PµPSC,СГГР°СГГ-СГГ C-PIP°P±СГГР°PrPëPSCГГ СГГ PŸP»P°P·PjC-
PeСГГPsPIC- (PrPëPI. СГГPsP·PrC-Р» B«P'P·P°C"PjPsPrC-СŬ P· C-PSC€PëPjPë
P»C-PeP°СГГСГГСГГPePëPjPë P·P°СГГPsP±P°PjPë C,Р° C-PSC€C- PIPëPrPë PIP°C"PjPsPrC-PNëB»).

P'PëPIPµPrPµPSPSCŬ. PhСГГPSPsPIPSPëPNë PŸPµСГГ-PsPr PSP°PiC-PIPIPëPIPµPrPµPSPSCŬ
C-PIP°P±СГГР°PrPëPSCГГ СГГ,Р°PSPsPIPëC,CH 2 PiPsPrPëPSPë (70-75 % PŸP»PsC%С- PŸC-Pr
PeСГГPëPIPsСГГ PSP° PiСГГР°C,,C-PeСГГ P·P°P»PµPŬPSPsСГГ,С- PePsPSC†PµPSC,СГГР°СГГ-С—
PŸСГГPµPŸР°СГГР°C,СГГ СГГ PŸP»P°P·PjC- PeСГГPsPIC- PIC-Pr СГГР°СГГСГГ
СГГPŸPsСГГ,РµСГГPµPŬPµPSPSCŬ [AUC]), Р° PµC,,PµPeC,PëPIPSPëPNë PŸPµСГГ-PsPr
PSP°PiC-PIPIPëPIPµPrPµPSPSCŬ – 11 PiPsPrPëPS. P—P°PiP°P»СГГPSPëPNë PeP»C-СГГPµPSCГГ
СГГ,Р°PSPsPIPëC,CH 400 PjP»/C...PI, Р° PSPëСГГPePsPIPëPNë PeP»C-СГГPµPSCГГ вГГ
70 PjP»/C...PI. P'PëPIPµPrPµPSPSCŬ PjPµC,Р°P±PsP»C-С,С-PI PIC-PrP±СГГPIP°C"С,СГГСГГŬ
PsPrPSP°PePsPIPsСГГ PjC-СГГPsСГГ СГГPµСГГPµ· СГГPµC±СГГ C,Р° PeP°P». PµСГГPëP±P»PëP·PSPs
4 % PŸPµСГГPsСГГР°P»СГГPSPsC— PrPsP·Pë PIPëPIPsPrPëC,СГГСГГŬ C-Р· СГГPµC±PµСГГ СГГ
PSPµP·PjC-PSPµPSPsPjCГГ PIPëPiP»СŬPrC-.

P>C-PSC-PNëPSC-СГГ,СГГ/PSPIP»C-PSC-PNëPSC-СГГ,СГГ. PµC-PSPIPµC,PëPeP°
C-PIP°P±СГГР°PrPëPSCГГ PrP»СŬ PrC-Р°PŸP°P·PsPSCГГ PŸPµСГГPsСГГР°P»СГГPSPëC... PrPsP·
0,5-24 PjPi C" P»C-PSC-PNëPSPsСГГ.

PhPeСГГPµPjC- PiСГГСГГPŸPë PŸP°СГГ-С"PSC,С-PI.

PµP°СГГ-С"PSC,Pë P»C-С,PSCHPsPiPs PIC-PeСГГ: C,,P°СГГPjP°PePsPeC-PSPIPµC,PëC±PSC-
PŸP°СГГР°PjPµC,СГГPë (AUC C,Р° Cmax) СГГ PŸP°СГГ-С"PSC,С-PI P»C-С,PSCHPsPiPs PIC-PeСГГ
(≥ 65 СГГPsPeC-PI) C,Р° СГГ,Р°СГГPµC±PsPiPs PIC-PeСГГ (≥ 75 СГГPsPeC-PI) PSPµ
PIC-PrСГГ-Р·PSCŬСГГ,СГГСГГŬ PIC-Pr C,,P°СГГPjP°PePsPeC-PSPIPµC,PëC±PSPëC...
PŸP°СГГР°PjPµC,СГГ-PI P·P°PiP°P»СГГPSPsC— PŸPsPŸСГГP»СŬСГГ-С— PŸP°СГГ-С"PSC,С-PI
(PrPëPI. СГГPsP·PrC-Р» B«PŸPŸPsСГГ-Р± P·P°СГГ,PsСГГСГГPIP°PSPSCŬ C,Р° PrPsP·PëB»).

PkPëСГГPePsPIP° PSPµPrPsСГГ,Р°C,PSC-СГГ,СГГ: PIPŸP»PëPI PSPëСГГPePsPIPsC—
PSPµPrPsСГГ,Р°C,PSPsСГГ,С- (PeP»C-СГГPµPSCГГ PeСГГPµP°C,PëPSC-PSCГГ 15-60 PjP»/C...PI)
PSP° C,,P°СГГPjP°PePsPeC-PSPIPµC,PëPeСГГ C-PIP°P±СГГР°PrPëPSCГГ C" PjC-PSC-PjP°P»СГГPSPëPj
P· PsPiP»СŬPrСГГ PSP° PSPµPIPµP»PëPeСГГ СГГР°СГГ,PeСГГ PSPëСГГPePsPIPsPiPs

PeP»C-CHPμPSCÍCí (P±P»PëP·CHPePs 20 %) PIC-Pr P·P°PiP°P»CHPSPSc—
PμP»C-PjC-PSP°C†C-C— C-PIP°P±CHP°PrPëPSCí C,P° PNëPsPiPs PsCÍPSPsPIPSPiPs
PjPμC,P°P±PsP»C-C,Cí S 18982 (PrPëPI. CHPsP·PrC-P» B«PŸPiPsCÍC-P±
P·P°CÍC,PsCÍCíPIP°PSPSCÍ C,P° PrPsP·PëB»).

PμPμC†C-PSPePsPIP° PSPμPrPsCÍC,P°C,PSC-CÍC,CH: Cí PíP°C†C-C”PSC,C-PI C-P·
PíPμC†C-PSPePsPIPsCí PSPμPrPsCÍC,P°C,PSC-CÍC,Cí P»PμPiPePsPiPs CÍC,CíPíPμPSCÍ
C,CÍP¶PePsCÍC,C- (PrPs 7 P±P°P»C-PI P·P° PeP»P°CÍPëC,,C-PeP°C†C-C”Cí PšP°PNëP»PrP°-
PıBĤ™ Cí) AUC C-PIP°P±CHP°PrPëPSCí C,P° PsCÍPSPsPIPSPiPs P°PeC,PëPIPSPiPs
PjPμC,P°P±PsP»C-C,Cí P±CíP»Pë PíCHPëP±P»PëP·PSPs PSP° 20 % PIPëC%PëPjPë, PSC-P¶ Cí
PíP°C†C-C”PSC,C-PI C-P· PSPsCHPjP°P»CHPSPsCí C,,CíPSPeC†C-C”Cí PíPμC†C-PSPePë.
PĶP°CÍPIPSPëC... PrP°PSPëC... PSPμPrPsCÍC,P°C,PSCĤPs, C%PsP± P·CHPsP±PëC,Pë
PIPëCÍPSPsPIPePë C%PsPrPs P·P°CÍC,PsCÍCíPIP°PSPSCÍ PíCHPμPíP°CHP°C,Cí
PíP°C†C-C”PSC,P°Pj C-P· PíPsPjC-CHPSPsCí PíPμC†C-PSPePsPIPsCí
PSPμPrPsCÍC,P°C,PSC-CÍC,Cí. P@PsPrPs PíP°C†C-C”PSC,C-PI P· C,CÍP¶PePsCí
PíPμC†C-PSPePsPIPsCí PSPμPrPsCÍC,P°C,PSC-CÍC,Cí C†C- PrP°PSC- PIC-PrCÍCíC,PSC-
(PrPëPI. CHPsP·PrC-P»Pë B«PŸPiPsCÍC-P± P·P°CÍC,PsCÍCíPIP°PSPSCÍ C,P° PrPsP·PëB» C-
B«PıCHPsC,PëPíPsPeP°P·P°PSPSCÍB»).

PŸPíC-PIPIC-PrPSPsC€PμPSPSCÍ
C,,P°CHPjP°PePsPeC-PSPμC,PëPeP°/C,,P°CHPjP°PePsPrPëPSP°PjC-PeP°. PĥPSP°P»C-P·
CÍPíC-PIPIC-PrPSPsC€PμPSPSCÍ C,,P°CHPjP°PePsPeC-PSPμC,PëPePë C-
C,,P°CHPjP°PePsPrPëPSP°PjC-PePë PíCHPsPrPμPjPsPSCÍC,CHCíPIP°PI PjP°PNëP¶Pμ
P»C-PSC-PNëPSCí P·P°P»PμP¶PSC-CÍC,CH P·PjPμPSC€PμPSPSCÍ C†P°CÍC,PsC,Pë
CÍPμCHC†PμPIPëC... CÍPePsCHPsC†PμPSCĤ PIC-Pr P·P±C-P»CHC€PμPSPSCÍ
PePsPSC†PμPSC,CHP°C†C-C— C-PIP°P±CHP°PrPëPSCí C,P° S 18982 Cí PíP»P°P·PjC- PeCHPsPIC-
PrP»CÍ PrPsP· 15-20 PjPi PrPIC-C†C- PSP° PrPsP±Cí. PıCHPë P·P°CÍC,PsCÍCíPIP°PSPSC-
P±C-P»CHC€PëC... PrPsP· P·PSPëP¶PμPSPSCÍ PšPŸPŸ CÍC,P°C”
PSPμPíCHPsPíPsCHC†C-PNëPSPëPj PrPs PePsPSC†PμPSC,CHP°C†C-C— C-PIP°P±CHP°PrPëPSCí Cí
PíP»P°P·PjC- PeCHPsPIC- C- PjP°C” C,PμPSPPrPμPSC†C-Cí PrPsCÍCÍPiP°C,Pë PíP»P°C,Ps.
P’PëCÍPsPeP° PePsPSC†PμPSC,CHP°C†C-CÍ C-PIP°P±CHP°PrPëPSCí Cí PíP»P°P·PjC-
PeCHPsPIC- PjPsP¶Pμ P±CíC,Pë P·CíPjPsPIP»PμPSP° PIPëPePsCHPëCÍC,P°PSPSCÍPj
C-PIP°P±CHP°PrPëPSCí Cí PePsPjP±C-PSP°C†C-C— C-P· CÍPëP»CHPSPëPjPë
C-PSPiC-P±C-C,PsCHP°PjPë CYP3A4, C%Ps PjPsP¶Pμ PíCHPëP·PIPμCÍC,Pë PrPs
PSP°PrPjC-CHPSPsPiPs P·PjPμPSC€PμPSPSCÍ PšPŸPŸ, PíCHPsC,Pμ CHPëP·PëPe
P·PSPëP¶CíC”C,CHCÍCÍ PíCHPë P·P°CÍC,PsCÍCíPIP°PSPSC- C-PIP°P±CHP°PrPëPSCí Cí
PePsPjP±C-PSP°C†C-C— P· C-PSPiC-P±C-C,PsCHP°PjPë CYP3A4 PíPsPjC-CHPSPsC— CÍPëP»Pë
(PrPëPI. CHPsP·PrC-P»Pë B«PıCHPsC,PëPíPsPeP°P·P°PSPSCÍB», B«PĥCÍPsP±P»PëPIPsCÍC,C-
P·P°CÍC,PsCÍCíPIP°PSPSCÍB» C- B«P’P·P°C”PjPsPrC-CÍ P· C-PSC€PëPjPë
P»C-PeP°CHCÍCHPePëPjPë P·P°CÍPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C”PjPsPrC-PNëB»).

PĽP»C-PSC-C†PSC- C...P°CHP°PeC,PμCHPëCÍC,PëPePë.

PμPsPeP°P·P°PSPSCÍ.

*PŸPëPjPíC,PsPjP°C,PëC†PSPμ P»C-PeC¿PIP°PSPSCÍ C...CHPsPSC-C†PSPsC—
CÍC,P°P±C-P»CHPSPsC— CÍC,PμPSPsPeP°CHPrC-C—.*

P P°C”PSPsPj PíPsPeP°P·P°PSPëPNë PrP»CÍ CÍPëPjPíC,PsPjP°C,PëC†PSPsPiPs
P»C-PeCíPIP°PSPSCÍ C...CHPsPSC-C†PSPsC— CÍC,P°P±C-P»CHPSPsC—

$C\dot{I}C, P_{\mu}PSPsPeP^{\circ}C_{\dot{H}}PrC-C- C\dot{r} PrPsC_{\dot{H}}PsC\dot{I}P \gg P\ddot{e}C... P\ddot{I}P^{\circ}C\dot{I}C-C''PSC, C-PI P \cdot$
 $C-C\epsilon P_{\mu}PjC-C\ddot{I}PSPsC_{\dot{H}} C... PIPsC_{\dot{H}}PsP\pm PsC_{\dot{H}} C\dot{I}P_{\mu}C_{\dot{H}}C\dot{I}C\dot{I}, PSPsC_{\dot{H}}PjP^{\circ}P \gg CH\dot{H}PSP\ddot{e}Pj$
 $C\dot{I}P\ddot{e}PSC\dot{r}C\dot{I}P_{\mu}PIP\ddot{e}Pj C_{\dot{H}}P\ddot{e}C, PjPsPj C, P^{\circ} C\ddot{I}P^{\circ}C\dot{I}C, PsC, PsC_{\dot{H}} C\dot{I}P_{\mu}C_{\dot{H}}C\dot{I}P_{\mu}PIP\ddot{e}C...$
 $C\dot{I}P\ddot{e}PsC_{\dot{H}}PsC\ddot{I}P_{\mu}PSC_{\dot{H}} \geq 70 C\dot{r}PrP^{\circ}C_{\dot{H}}C-PI PSP^{\circ} C... PIP\ddot{e}P \gg P\ddot{e}PSC\dot{r} (C\dot{r}Pr/C...PI).$
 $P_{\mu}C_{\dot{H}}P_{\mu}P\ddot{I}P^{\circ}C_{\dot{H}}P^{\circ}C, C\dot{I}P \gg C-Pr P\ddot{I}C_{\dot{H}}P\ddot{e}P \cdot PSP^{\circ}C\ddot{I}P^{\circ}C, P\ddot{e}:$

$- PrPsC_{\dot{H}}PsC\dot{I}P \gg P\ddot{e}Pj P\ddot{I}P^{\circ}C\dot{I}C-C''PSC, P^{\circ}Pj, C\dot{I}PeC- PjP^{\circ}C_{\dot{H}}C, CH\dot{H}$
 $P\ddot{I}C_{\dot{H}}PsC, P\ddot{e}P\ddot{I}PsPeP^{\circ}P \cdot P^{\circ}PSPSC\dot{I} P^{\circ}P\pm Ps PsP\pm PjP_{\mu}P_{\mu}PSPSC\dot{I} PrPs$
 $P \cdot P^{\circ}C\dot{I}C, PsC\dot{I}C\dot{r}PIP^{\circ}PSPSC\dot{I}$

$\beta-P\pm P \gg PsPeP^{\circ}C, PsC_{\dot{H}}C-PI;$

$- P^{\circ}P\pm Ps C\dot{r} PePsPjP\pm C-PSP^{\circ}C\dot{I}C-C- P \cdot \beta-P\pm P \gg PsPeP^{\circ}C, PsC_{\dot{H}}P^{\circ}PjP\ddot{e} P\ddot{I}P^{\circ}C\dot{I}C-C''PSC, P^{\circ}Pj,$
 $C\dot{I}C, P^{\circ}PS C\dot{I}PeP\ddot{e}C... C'' PSP_{\mu}PrPsC\dot{I}C, P^{\circ}C, PSC_{\dot{H}}Ps PePsPSC, C_{\dot{H}}PsP \gg CH\dot{H}PsPIP^{\circ}PSP\ddot{e}Pj P\ddot{I}C_{\dot{H}}P\ddot{e}$
 $P \cdot P^{\circ}C\dot{I}C, PsC\dot{I}C\dot{r}PIP^{\circ}PSPSC- PsP\ddot{I}C, P\ddot{e}PjP^{\circ}P \gg CH\dot{H}PSPsC- PrPsP \cdot P\ddot{e} \beta-P\pm P \gg PsPeP^{\circ}C, PsC_{\dot{H}}C-PI.$

$P \gg C- PeC\dot{r}PIP^{\circ}PSPSC\dot{I} C... C_{\dot{H}}PsPSC-C\ddot{I}PSPsC- C\dot{I}P_{\mu}C_{\dot{H}}C\dot{I}P_{\mu}PIP_{\mu}PsC-$
 $PSP_{\mu}PrPsC\dot{I}C, P^{\circ}C, PSPsC\dot{I}C, C-$.

$P P^{\circ}C''PSPsPj P\ddot{I}PsPeP^{\circ}P \cdot P^{\circ}PSP\ddot{e}P_{\mu} P\ddot{I}P^{\circ}C\dot{I}C-C''PSC, P^{\circ}Pj P \cdot C... C_{\dot{H}}PsPSC-C\ddot{I}PSPsC_{\dot{H}}$
 $C\dot{I}P_{\mu}C_{\dot{H}}C\dot{I}P_{\mu}PIP_{\mu}PsC_{\dot{H}} PSP_{\mu}PrPsC\dot{I}C, P^{\circ}C, PSC-C\dot{I}C, C_{\dot{H}} II-IV C, C\dot{r}PSPeC\dot{I}C- PsPSP^{\circ}P \gg CH\dot{H}PSP\ddot{e}C...$
 $PeP \gg P^{\circ}C\dot{I}C-PI P \cdot P^{\circ} PeP \gg P^{\circ}C\dot{I}P\ddot{e}C, C-PeP^{\circ}C\dot{I}C-C''C_{\dot{H}} NYHA C-P \cdot C\dot{I}P\ddot{e}C\dot{I}C, PsP \gg C-C\ddot{I}PSPsC_{\dot{H}}$
 $PrP\ddot{e}C\dot{I}C, C\dot{r}PSPeC\dot{I}C-C''C_{\dot{H}}, P\ddot{I}P^{\circ}C\dot{I}C-C''PSC, P^{\circ}Pj C-P \cdot C\dot{I}P\ddot{e}PSC\dot{r}C\dot{I}P_{\mu}PIP\ddot{e}Pj C_{\dot{H}}P\ddot{e}C, PjPsPj C, P^{\circ}$
 $C\ddot{I}P^{\circ}C\dot{I}C, PsC, PsC_{\dot{H}} C\dot{I}P_{\mu}C_{\dot{H}}C\dot{I}P_{\mu}PIP\ddot{e}C... C\dot{I}PePsC_{\dot{H}}PsC\ddot{I}P_{\mu}PSC_{\dot{H}} \geq 75 C\dot{r}Pr/C...PI, C\dot{r}$
 $PePsPjP\pm C-PSP^{\circ}C\dot{I}C-C- P \cdot C- C\dot{I}C, P^{\circ}PSPPrP^{\circ}C_{\dot{H}}C, PSPsC_{\dot{H}} C, P_{\mu}C_{\dot{H}}P^{\circ}P\ddot{I}C-C''C_{\dot{H}}, C\dot{r} C, PsPjC\dot{r}$
 $C\ddot{I}P\ddot{e}C\dot{I}P \gg C- \beta-P\pm P \gg PsPeP^{\circ}C, PsC_{\dot{H}}P^{\circ}PjP\ddot{e}, P^{\circ}P\pm Ps C\dot{r} PIP\ddot{e}P\ddot{I}P^{\circ}PrPeP^{\circ}C... PSP^{\circ}C\dot{I}PIPSPsC\dot{I}C, C-$
 $P\ddot{I}C_{\dot{H}}PsC, P\ddot{e}P\ddot{I}PsPeP^{\circ}P \cdot P^{\circ}PSC_{\dot{H}} P^{\circ}P\pm Ps PSP_{\mu}P\ddot{I}P_{\mu}C_{\dot{H}}P_{\mu}PSPsC\dot{I}P\ddot{e}PjPsC\dot{I}C, C- \beta-$
 $P\pm P \gg PsPeP^{\circ}C, PsC_{\dot{H}}C-PI (PrP\ddot{e}PI. C_{\dot{H}}PsP \cdot PrC-P \gg B \langle P\alpha P^{\circ}C_{\dot{H}}PjP^{\circ}PePsPrP\ddot{e}PSP^{\circ}PjC-PeP^{\circ}B \rangle).$

$P_{\mu}C_{\dot{H}}PsC, P\ddot{e}P\ddot{I}PsPeP^{\circ}P \cdot P^{\circ}PSPSC\dot{I}.$

$- P''C-P\ddot{I}P_{\mu}C_{\dot{H}}C\dot{I}C\dot{r}C, P \gg P\ddot{e}PIC-C\dot{I}C, CH\dot{H} PrPs PrC-C_{\dot{H}}C\ddot{I}PsC- C_{\dot{H}}P_{\mu}C\ddot{I}PsPIP\ddot{e}PSP\ddot{e} P^{\circ}P\pm Ps PrPs$
 $P\pm C\dot{r}PrCH\dot{H}-C\dot{I}PeP\ddot{e}C... PrPsP\ddot{I}PsPjC-P_{\mu}PSP\ddot{e}C... C_{\dot{H}}P_{\mu}C\ddot{I}PsPIP\ddot{e}PS;$

$- C\ddot{I}P^{\circ}C\dot{I}C, PsC, P^{\circ} C\dot{I}P_{\mu}C_{\dot{H}}C\dot{I}P_{\mu}PIP\ddot{e}C... C\dot{I}PePsC_{\dot{H}}PsC\ddot{I}P_{\mu}PSC_{\dot{H}} C\dot{r} C\dot{I}C, P^{\circ}PSC- C\dot{I}P\ddot{I}PsPePsC_{\dot{H}}$
 $< 70 C\dot{r}Pr/C...PI PrPs P\ddot{I}PsC\ddot{I}P^{\circ}C, PeC\dot{r} P \gg C-PeC\dot{r}PIP^{\circ}PSPSC\dot{I};$

$- PeP^{\circ}C_{\dot{H}}PrC-PsP\ddot{I}P_{\mu}PSPSP\ddot{e}P_{\mu} C\epsilon PsPe;$

$- P\ddot{I}PsC\dot{I}C, C_{\dot{H}}P\ddot{e}P_{\mu} C-PSC, P^{\circ}C_{\dot{H}}PeC, PjC-PsPeP^{\circ}C_{\dot{H}}PrP^{\circ};$

$- C, C\dot{I}P_{\mu}PeP^{\circ} P^{\circ}C_{\dot{H}}C, P_{\mu}C_{\dot{H}}C-P^{\circ}P \gg CH\dot{H}PSP^{\circ} P\ddot{I}C-P\ddot{I}PsC, P_{\mu}PSP \cdot C-C\dot{I} (< 90/50 PjPj C_{\dot{H}}C, . C\dot{I}C, .);$

$- C, C\dot{I}P_{\mu}PeP^{\circ} P\ddot{I}P_{\mu}C\ddot{I}C-PSPePsPIP^{\circ} PSP_{\mu}PrPsC\dot{I}C, P^{\circ}C, PSC-C\dot{I}C, CH\dot{H};$

$- C\dot{I}P\ddot{e}PSPPrC_{\dot{H}}PsPj C\dot{I}P \gg P^{\circ}P\pm PePsC\dot{I}C, C- C\dot{I}P\ddot{e}PSC\dot{r}C\dot{I}PsPIP_{\mu}P\ddot{I}Ps PIC\dot{r}P \cdot P \gg P^{\circ};$

$- C\dot{I}P\ddot{e}PSPsP^{\circ}C, C_{\dot{H}}C-P^{\circ}P \gg CH\dot{H}PSP^{\circ} P\pm P \gg PsPeP^{\circ}PrP^{\circ};$

$- PSP_{\mu}C\dot{I}C, P^{\circ}P\pm C-P \gg CH\dot{H}PSP^{\circ} P^{\circ}P\pm Ps P\ddot{I}PsC\dot{I}C, C_{\dot{H}}P^{\circ} C\dot{I}P_{\mu}C_{\dot{H}}C\dot{I}P_{\mu}PIP^{\circ}$
 $PSP_{\mu}PrPsC\dot{I}C, P^{\circ}C, PSC-C\dot{I}C, CH\dot{H};$

- P·P°P»PμP¶PSC-Cl'C,CH PIC-Pr C€C,CrC‡PSPsPiPs PIPsPrC-Cl CḡPëC,PjCr (PšPŸPŸ PePsPSC,CḡPsP»CḡC"C,CHCl'Cl PIPëPSCClC,PePsPIPs P·P° PrPsPìPsPjPsPiPsCḡ C€C,CrC‡PSPsPiPs PIPsPrC-Cl CḡPëC,PjCr);

- PSPμCl'C,P°P±C-P»CHPSP° Cl'C,PμPSPsPeP°CḡPrC-Cl;

-B AV-P±P»PsPeP°PrP° III Cl'C,CrPìPμPSCCl;

- PePsPjP±C-PSP°C†C-Cl P· C-PSPiC-P±C-C,PsCḡP°PjPë P450 3A4 Cl'PëP»CHPSPsC— PrC-C—: PìCḡPsC,PëPìCḡPëP±PePsPIC- PìCḡPμPìP°CḡP°C,Pë bḡ" PìPsC...C-PrPSC- P°P·PsP»Cr (PePμC,PsPePsPSP°P·PsP», C-C,CḡP°PePsPSP°P·PsP»), PjP°PeCḡPsP»C-PrPSC- P°PSC,PëP±C-PsC,PëPePë (PeP»P°CḡPëC,CḡPsPjC-C†PëPS, PμCḡPëC,CḡPsPjC-C†PëPS PrP»Cl PìPμCḡPsCḡP°P»CHPSPsPiPs P·P°Cl'C,PsCl'CrPIP°PSPSCCl, PrP¶PsP·P°PjC-C†PëPS, C,PμP»C-C,CḡPsPjC-C†PëPS), C-PSPiC-P±C-C,PsCḡPë P'P†P>-PìCḡPsC,PμP°P·Pë (PSPμP»C,,C-PSP°PIC-Cḡ, CḡPëC,PsPSP°PIC-Cḡ) C- PSPμC,,P°P·PsPrPsPS (PrPëPI. CḡPsP·PrC-P»Pë B«P'P·P°C"PjPsPrC-Cl P· C-PSC€PëPjPë P»C-PeP°CḡCl'CHPePëPjPë P·P°Cl'PsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C"PjPsPrC-PNëB» C- B«PαP°CḡPjP°PePsPeC-PSPμC,PëPeP°B»);

- PsPrPSPsC‡P°Cl'PSPμ P·P°Cl'C,PsCl'CrPIP°PSPSCCl P· PIPμCḡP°PìP°PjC-P»PsPj P°P±Ps PrPëP»C,C-P°P·PμPjPsPj, ClPeC- PSP°P»PμP¶P°C,CH PrPs C-PSPiC-P±C-C,PsCḡC-PI CYP3A4 PìPsPjC-CḡPSPsC— PrC-C—, C%Ps PjP°CḡC,CH PIP»P°Cl'C,PëPIPsCl'C,C- P·PSPëP¶CrPIP°C,Pë PšPŸPŸ (PrPëPI. CḡPsP·PrC-P» B«P'P·P°C"PjPsPrC-Cl P· C-PSC€PëPjPë P»C-PeP°CḡCl'CHPePëPjPë P·P°Cl'PsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C"PjPsPrC-PNëB»);

- PìPμCḡC-PsPr PIP°PiC-C,PSPsCl'C,C- P°P±Ps PiPsPrCrPIP°PSPSCCl PìCḡCrPrPrCḡ, CḡPμPìCḡPsPrCrPeC,PëPIPSPëPNë PIC-Pe Cr P¶C-PSPsPe, ClPeC- PSPμ P·P°Cl'C,PsCl'PsPICrCḡC,CH PSP°P»PμP¶PSC- P·P°C...PsPrPë PePsPSC,CḡP°C†PμPìC†C-C— (PrPëPI. CḡPsP·PrC-P» B«P—P°Cl'C,PsCl'CrPIP°PSPSCCl Cr PìPμCḡC-PsPr PIP°PiC-C,PSPsCl'C,C- P°P±Ps PiPsPrCrPIP°PSPSCCl PìCḡCrPrPrCḡB»).

P'P·P°C"PjPsPrC-Cl P· C-PSC€PëPjPë P»C-PeP°CḡCl'CHPePëPjPë P·P°Cl'PsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C"PjPsPrC-PNë.

PαP°CḡPjP°PePsPrPëPSP°PjC-C‡PSC- PIP·P°C"PjPsPrC-C—.

PkPμCḡPμPePsPjPμPSPrPsPIP°PSC- PePsPjP±C-PSP°C†C-C—.

PμCḡPμPìP°CḡP°C,Pë, C%Ps PìPsPrPsPIP¶CrCḡC,CH C-PSC,PμCḡPIP°P» QT:

- PeP°CḡPrC-PsPIP°Cl'PeCrP»ClCḡPSC- (PSP°PìCḡPëPeP»P°Pr C...C-PSC-PrPëPS, PrPëP·PsPìC-CḡP°PjC-Pr, P±PμPìCḡPëPrPëP», Cl'PsC,P°P»PsP», C-P±CrC,PëP»C-Pr, P°PjC-PsPrP°CḡPsPS).

- PePμPeP°CḡPrC-PsPIP°Cl'PeCrP»ClCḡPSC- (PSP°PìCḡPëPeP»P°Pr PìC-PjPsP·PëPr, P·PëPìCḡP°P·PëPrPsPS, Cl'PμCḡC,PëPSPrPsP», PjPμC,,P»PsPePIC-PS, PìP°P»PsC,,P°PSC,CḡPëPS, PìPμPSC,P°PjC-PrPëPS, C†PëP·P°PìCḡPëPr, PμCḡPëC,CḡPsPjC-C†PëPS PIPSCrC,CḡC-C€PSCḡPsPIPμPSPSPëPNë).

PŸP»C-Pr CrPSPëPeP°C,Pë PsPrPSPsC‡P°Cl'PSPsPiPs P·P°Cl'C,PsCl'CrPIP°PSPSCCl C-PIP°P±CḡP°PrPëPSCr C- PeP°CḡPrC-PsPIP°Cl'PeCrP»ClCḡPSPëC... C,P°

PSPμPe°CḡPrC-PsPIP°CḡPeCḡP»CḡCḡPSPëC... PīCḡPμPīP°CḡP°C,C-PI, C%Ps
PīPsPrPsPIP°CḡCḡC,CH C-PSC,PμCḡPIP°P» QT, PsCḡPeC-P»CHPePë P·PjPμPSC€PμPSPSCḡ
PḡPḡPḡ PjPsP°Pμ PīPsCḡPëP»PëC,Pë PīPsPrPsPIP°PμPSPSCḡ C-PSC,PμCḡPIP°P»Cḡ QT. Pj
CḡP°P·C- PSPμPsP±C...C-PrPSPsCḡC,C- P·P°CḡC,PsCḡCḡPIP°PSPSCḡ C,P°PePsC—
PePsPjP±C-PSP°CḡC-C— CḡP»C-Pr P·P°P±PμP·PīPμCḡPëC,Pë CḡPμC,PμP»CHPSPëPμ
PjPsPSC-C,PsCḡPëPSPi CḡPμCḡCḡPμPIPSC— PrC-CḡP»CHPSPsCḡC,C- (PrPëPI. CḡPsP·PrC-P»
B«PhCḡPsP±P»PëPIPSCḡC,C- P·P°CḡC,PsCḡCḡPIP°PSPSCḡB»).

*PμPsPjP±C-PSP°CḡC-C—, CḡPeC- CḡP»C-Pr P·P°CḡC,PsCḡPsPICḡPIP°C,Pë P·
PsP±PμCḡPμP°PSC-CḡC,CH.*

PḡP°P»CḡCḡPμC,PëPePë (C,C-P°P·PëPrPSC- C,P° PīPμC,P»CHPsPIC- PrC-CḡCḡPμC,PëPePë):
PiC-PīPsPeP°P»C-C”PjC-Cḡ PjPsP°Pμ PīC-PrPIPëC%CrPIP°C,Pë CḡPëP·PëPe CḡPsP·PIPëC,PeCḡ
P°CḡPëC,PjC-C—. PḡPIP°P±CḡP°PrPëPS PjPsP°Pμ CḡPīCḡPëCḡPëPSPëC,Pë
PIPëPSPëPePSPμPSPSCḡ P±CḡP°PrPëPeP°CḡPrC-C—, PePsPjP±C-PSP°CḡC-Cḡ CḡPePsC— P·
PiC-PīPsPeP°P»C-C”PjC-C”CH PjPsP°Pμ CḡPīCḡPsPIPSCḡCḡPIP°C,Pë P°CḡPëC,PjC-CH
C,CḡP°PμPePsPiPs CḡC,CḡPīPμPSCḡ, PsCḡPsP±P»PëPIPs Cḡ PīP°CḡC-C”PSC,C-PI C-P·
CḡPëPSPPrCḡPsPjPsPj PīPsPrPsPIP°PμPSPsPiPs C-PSC,PμCḡPIP°P»Cḡ QT, CḡPe
PICḡPsPrP°PμPSPsPiPs, C,P°Pe C- CḡPīCḡPëCḡPëPSPμPSPsPiPs P»C-PeP°CḡCḡCHPePëPjPë
P·P°CḡPsP±P°PjPë.

PμP°CḡPjP°PePsPeC-PSPμC,PëCḡPSC- PIP·P°C”PjPsPrC-C—.

PjPëC,PsC...CḡPsPj P450 3A4 (CYP3A4)

PḡPIP°P±CḡP°PrPëPS PjPμC,P°P±PsP»C-P·CḡC”C,CHCḡCḡ C,C-P»CHPePë P·P°
PrPsPīPsPjPsPiPsCḡ CYP3A4 C,P° C” PrCḡP°Pμ CḡP»P°P±PePëPj C-PSPiC-P±C-C,PsCḡPsPj
CḡCHPsPiPs CḡPëC,PsC...CḡPsPjCḡ. P°CḡP»Ps PIPëCḡPIP»PμPSPs, C%Ps C-PIP°P±CḡP°PrPëPS
PSPμ PIPīP»PëPIP°C” PSP° PjPμC,P°P±PsP»C-P·Pj C,P° PePsPSCḡPμPSC,CḡP°CḡC-CH Cḡ
PīP»P°P·PjC- PeCḡPsPIC- C-PSC€PëC... CḡCḡP±CḡC,CḡP°C,C-PI CYP3A4 (CḡP»P°P±PePëC...,
PīPsPjC-CḡPSPëC... C,P° CḡPëP»CHPSPëC... C-PSPiC-P±C-C,PsCḡC-PI). PḡPSPiC-P±C-C,PsCḡPë
C,P° CḡC,PëPjCḡP»CḡC,PsCḡPë CYP3A4 CḡC...PëP»CHPSC- PrPs PIP·P°C”PjPsPrC-C— P·
C-PIP°P±CḡP°PrPëPSPsPj, C%Ps PjP°C” PeP»C-PSC-CḡPSPs P·PSP°CḡCḡPëPμ PIPīP»PëPI
PSP° PμPsPiPs PjPμC,P°P±PsP»C-P·Pj C- C,,P°CḡPjP°PePsPeC-PSPμC,PëPeCḡ.
P”PsCḡP»C-PrP°PμPSPSCḡ, PīC-Pr CḡP°Cḡ CḡPePëC... PIPëPICḡP°P»Pë PIP·P°C”PjPsPrC-CH
PīCḡPμPīP°CḡP°C,C-PI, PīC-PrC,PIPμCḡPrPëP»Pë, C%Ps C-PSPiC-P±C-C,PsCḡPë CYP3A4
PīC-PrPIPëC%CrCḡC,CH PePsPSCḡPμPSC,CḡP°CḡC-CH C-PIP°P±CḡP°PrPëPSCḡ Cḡ
PīP»P°P·PjC- PeCḡPsPIC-, C,PsPrC- CḡPe C-PSPPrCḡPeC,PsCḡPë CYP3A4 C—C—
P·PSPëP°CḡCḡC,CH. P—P±C-P»CHC€PμPSPSCḡ PePsPSCḡPμPSC,CḡP°CḡC—
C-PIP°P±CḡP°PrPëPSCḡ Cḡ PīP»P°P·PjC- PeCḡPsPIC- PjPsP°Pμ PīC-PrPIPëC%PëC,Pë
CḡPëP·PëPe CḡPsP·PIPëC,PeCḡ PSP°PrPjC-CḡPSPsC— P±CḡP°PrPëPeP°CḡPrC-C— (PrPëPI.
CḡPsP·PrC-P» B«PhCḡPsP±P»PëPIPSCḡC,C- P·P°CḡC,PsCḡCḡPIP°PSPSCḡB»).

PμCḡPsC,PëPīPsPeP°P·P°PSC- PePsPjP±C-PSP°CḡC-C—.

PḡPëP»CHPSC- C-PSPiC-P±C-C,PsCḡPë CYP3A4

PμCḡPsC,PëPīPsPeP°P·P°PSPμ PsPrPSPsCḡP°CḡPSPμ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ
C-PIP°P±CḡP°PrPëPSCḡ P· CḡPëP»CHPSPëPjPë C-PSPiC-P±C-C,PsCḡP°PjPë CYP3A4,
C,P°PePëPjPë CḡPe PīCḡPsC,PëPīCḡPëP±PePsPIC- PīCḡPμPīP°CḡP°C,Pë, C%Ps
PSP°P»PμP°P°C,CH PrPs PīPsC...C-PrPSPëC... P°P·PsP»Cḡ (PePμC,PsPePsPSP°P·PsP»,
C-C,CḡP°PePsPSP°P·PsP»), PjP°PeCḡPsP»C-PrPSC- P°PSC,PëP±C-PsC,PëPePë

(PeP»P°CḥPëC,CḥPsPjC-C†PëPS, PμCḥPëC,CḥPsPjC-C†PëPS PrP»CḤ
PīPμCḥPsCḥP°P»CHPSPsPiPs P·P°C†C,PsC†C†PIP°PSPSCḤ, PrP¶PsP·P°PjC-C†PëPS,
C,PμP»C-C,CḥPsPjC-C†PëPS), C-PSPiC-P±C-C,PsCḥPë P'P†P>-PīCḥPsC,PμP°P·Pë
(PSPμP»C,,C-PSP°PIC-Cḥ, CḥPëC,PsPSP°PIC-Cḥ) C,P° PSPμC,,P°P·PsPrPsPS (PrPëPI.
CḥPsP·PrC-P» B«PμCḥPsC,PëPīPsPeP°P·P°PSPSCḤB»). PŸPëP»CHPSC- C-PSPiC-P±C-C,PsCḥPë
CYP3A4, C,P°PeC- CḤPe PePμC,PsPePsPSP°P·PsP» (200 PjPi 1 CḥP°P· PSP° PrPsP±C†) C,P°
PrP¶PsP·P°PjC-C†PëPS (PīPs 1 Pi PrPIC-C†C- PSP° PrPsP±C†), PīC-PrPIPëC%CrCḥC,CH
C†PμCḥPμPrPSCḥ PePsPSC†PμPSC,CḥP°C†C-Cḥ C-PIP°P±CḥP°PrPëPSC† C† PīP»P°P·PjC-
PeCḥPsPIC- C† 7-8 CḥP°P·C-PI.

P†PSPiC-P±C-C,PsCḥPë CYP3A4 PīPsPjC-CḥPSPsC— PrC-C—: C†PīPμC†C-P°P»CHPSC-
PrPsC†P»C-PrP¶PμPSPSCḤ PIP·P°C" PjPsPrC-C— P· C†C†P°C†C,Cḥ P·PrPsCḥPsPIPëC...
PrPsP±CḥPsPiPsP»CHC†C-PI C,P° PīP°C†C-C" PSC,C-PI PīPsPeP°P·P°P»Pë, C%Ps
PePsPjP±C-PSP°C†C-CḤ C-PIP°P±CḥP°PrPëPSC† P· PīCḥPμPīP°CḥP°C,P°PjPë, C%Ps
P·PSPëP¶C†CḥC,CH PŸPŸPŸ, C,P°PePëPjPë CḤPe PrPëP»C,C-P°P·PμPj C,P° PIPμCḥP°PīP°PjC-P»,
PīCḥPëP·PIPPrPëC,CH PrPs PīC-PrPIPëC%PμPSPSCḤ PePsPSC†PμPSC,CḥP°C†C-C—
C-PIP°P±CḥP°PrPëPSC† (C† 2-3 CḥP°P·Pë P·P° PīPsPeP°P·PSPëPePsPj AUC) C,P°
PrPsPrP°C,PePsPiPsPiPs P·PSPëP¶PμPSPSCḤ PŸPŸPŸ PSP° 5 C†Pr/C...PI. PhPrPSPsC†P°C†PSPμ
P·P°C†C,PsC†C†PIP°PSPSCḤ C-PIP°P±CḥP°PrPëPSC† P· C†PëPjPë P»C-PeP°CḥC†CHPePëPjPë
P·P°C†PsP±P°PjPë PīCḥPsC,PëPīPsPeP°P·P°PSPμ (PrPëPI. CḥPsP·PrC-P»
B«PμCḥPsC,PëPīPsPeP°P·P°PSPSCḤB»).

PkPμCḥPμPePsPjPμPSPrPsPIP°PSC- PePsPjP±C-PSP°C†C-C—.

P"ḤPμPNëPīC,,CḥC†C,PsPIPëPNë C†C-Pe: PsPrPSPsC†P°C†PSPëPNë PīCḥPëPNëPsPj
PiCḥPμPNëPīC,,CḥC†C,PsPiPsPiPs C†PsPeC† C,P° C-PIP°P±CḥP°PrPëPSC† PIPrPIC-C†C-
P·P±C-P»CHC€C†C" PePsPSC†PμPSC,CḥP°C†C-Cḥ PīCḥPμPīP°CḥP°C,C† C† PīP»P°P·PjC-
PeCḥPsPIC-. PŸPsPjC† C†P»C-Pr C†PSPëPeP°C,Pë C†PīPsP¶PëPIP°PSPSCḤ
PiCḥPμPNëPīC,,CḥC†C,PsPiPsPiPs C†PsPeC†.

PμPsPjP±C-PSP°C†C-C—, CḤPeC- PīPsC,CḥPμP±C†CḥC,CH P·P°C†C,PμCḥPμP¶PμPSCḥ PīCḥPë
P·P°C†C,PsC†C†PIP°PSPSC-.

P†PSPiC-P±C-C,PsCḥPë CYP3A4 PīPsPjC-CḥPSPsC— PrC-C—: PsPrPSPsC†P°C†PSPμ
P·P°C†C,PsC†C†PIP°PSPSCḤ C-PIP°P±CḥP°PrPëPSC† P· C-PSC€PëPjPë
C-PSPiC-P±C-C,PsCḥP°PjPë PīPsPjC-CḥPSPsC— PrC-C— (PSP°PīCḥPëPeP»P°Pr
C,,P»C†PePsPSP°P·PsP»PsPj) PjPsP¶Pμ P±C†C,Pë CḥPsP·PīPsC†P°C,Pμ P· PrPsP·Pë 2,5 PjPi
PrPIC-C†C- PSP° PrPsP±C†, CḤPeC%Ps PŸPŸPŸ C† C†C,P°PSC- C†PīPsPePsCḥ
PīPμCḥPμPIPëC%CrC" 70 C†Pr/C...PI; PīCḥPë C†CHPsPjC† PSPμPsP±C...C-PrPSPs
PePsPSC,CḥPsP»CḥPIP°C,Pë PŸPŸPŸ.

P†PSPrC†PeC,PsCḥPë CYP3A4: C-PSPrC†PeC,PsCḥPë CYP3A4 (PSP°PīCḥPëPeP»P°Pr
CḥPëC,,P°PjPīC-C†PëPS, P±P°CḥP±C-C,C†CḥP°C,Pë, C,,PμPSC-C,PsC—PS, P·PIC-CḥPsP±C-PNë
(Hypericum perforatum)) PjPsP¶C†C,CH P·PjPμPSC€PëC,Pë PePsPSC†PμPSC,CḥP°C†C-Cḥ C,P°
P°PeC,PëPIPSC-C†C,CH C-PIP°P±CḥP°PrPëPSC†. PhPrPSPsC†P°C†PSPμ
P·P°C†C,PsC†C†PIP°PSPSCḤ P»C-PeP°CḥC†CHPePëC... P·P°C†PsP±C-PI, C%Ps
C-PSPrC†PeC†CḥC,CH CYP3A4, PjPsP¶Pμ C†PīCḥPëC†PëPSCḤC,Pë PīPsC,CḥPμP±C† C†
PePsCḥPμPeC†C-C— PrPsP·Pë C-PIP°P±CḥP°PrPëPSC†. PμCḥPë PsPrPSPsC†P°C†PSPsPjC†
P·P°C†C,PsC†C†PIP°PSPSC- C-PIP°P±CḥP°PrPëPSC† PI PrPsP·C- 10 PjPi PrPIC-C†C- PSP°
PrPsP±C† C,P° P·PIC-CḥPsP±PsCḥ AUC C-PIP°P±CḥP°PrPëPSC† P·PSPëP¶C†C" C,CHC†CḤ
PIPrPIC-C†C-. PŸPsPjC† C†P»C-Pr C†PSPëPeP°C,Pë P·P°C†C,PsC†C†PIP°PSPSCḤ
P·PIC-CḥPsP±PsCḥ C† PīPμCḥC-PsPr P»C-PeC†PIP°PSPSCḤ C-PIP°P±CḥP°PrPëPSPsPj.

P†PSC€C- PePsPjP±C-PSP°C†C-C—.

PŸPīPμC†C-P°P»CHbPSC- PrPsC†P»C-PrP¶PμPSPSCЦ, PI C...PsPrC- CЦPēPēC... PIPēPIC†P°P»Pē
PIP·P°C”PjPsPrC-Cћ PīCћPμPīP°CћP°C,C-PI, PīPsPeP°P·P°P»Pē PIC-PrC†C†C,PSC-C†C,CH
PeP»C-PSC-C†PSPs P·PSP°C†C†C%PsPiPs PIPīP»PēPIC† PSP° C,,P°CћPjP°PePsPeC-PSPμC,PēPeC†
C,P° C,,P°CћPjP°PePsPrPēPSP°PjC-PeC† C-PIP°P±CћP°PrPēPSC† C,P°PePēC...
P»C-PeP°CћC†CHbPePēC... P·P°C†PsP±C-PI CЦPē: C-PSPiC-P±C-C,PсCћPē
PīCћPsC,PsPSPSPsC— PīPsPjPīPē (PsPjPμPīCћP°P·PsP», P»P°PSC†PsPīCћP°P·PsP»),
C†PēP»PrPμPSP°C,,C-P», C-PSPiC-P±C-C,PсCћPē P“PћP”-PљPsA-CћPμPrC†PeC,P°P·Pē
(C†PēPjPIP°C†C,P°C,PēPS), PrPēPiC-PrCћPsPīC-CћPēPrPēPSPsPIC- P±P»PsPeP°C,PсCћPē
PeP°P»CHC†C-C”PIPēC... PeP°PSP°P»C-PI (P°PjP»PsPrPēPīC-PS, P»P°C†PēPrPēPīC-PS),
PrPēPiPsPeC†PēPS C,P° PIP°CћC,,P°CћPēPS. PљCћC-Pj C,PsPiPs, C-PIP°P±CћP°PrPēPS PSPμ
C†PēPSPēC,CH PeP»C-PSC-C†PSPs P·PSP°C†C†C%PsPiPs PIPīP»PēPIC† PSP°
C,,P°CћPjP°PePsPeC-PSPμC,PēPeC† C†PēPjPIP°C†C,P°C,PēPSC†, P°PjP»PsPrPēPīC-PSC†,
P»P°C†PēPrPēPīC-PSC†, PSP° C,,P°CћPjP°PePsPeC-PSPμC,PēPeC† C,P°
C,,P°CћPjP°PePsPrPēPSP°PjC-PeC† PrPēPiPsPeC†PēPSC† C- PIP°CћC,,P°CћPēPSC†, P°
C,P°PePsP¶ PSP° C,,P°CћPjP°PePsPrPēPSP°PjC-PeC† P°C†PμC,PēP»C†P°P»C-C†PēP»PsPIPsC—
PePēC†P»PsC,Pē.

PJ PeP»C-PSC-C†PSPēC... PrPsC†P»C-PrP¶PμPSPSCЦC... P†P†P† C,,P°P·Pē C-PIP°P±CћP°PrPēPS
CћPμPīC†P»CЦCћPSPs P·P°C†C,PсC†PsPIC†PIP°P»Pē P· C-PSPiC-P±C-C,PсCћP°PjPē
P°PSPiC-PsC,PμPSP·PēPSPīPμCћPμC,PIPsCћCћPIP°P»CHbPSPsPiPs C,,PμCћPjPμPSC,C†,
P°PSC,P°PiPsPSC-C†C,P°PjPē P°PSPiC-PsC,PμPSP·PēPSC† P†P†, β-P±P»PsPeP°C,PсCћP°PjPē,
PrC-C†CћPμC,PēPeP°PjPē, P°PSC,PēP°P»CHbPrPsC†C,PμCћPsPSPsPIPēPjPē
PīCћPμPīP°CћP°C,P°PjPē, PSC-C,CћP°C,P°PjPē PePsCћPsC,PePsC— C,P° C,CћPēPIP°P»PsC—
PrC-C—, C-PSPiC-P±C-C,PсCћP°PjPē P“PћP”-PљPsA-CћPμPrC†PeC,P°P·Pē, C,,C-P±CћP°C,P°PjPē,
C-PSPiC-P±C-C,PсCћP°PjPē PīCћPsC,PsPSPSPsC— PīPsPjPīPē, PīPμCћPsCћP°P»CHbPSPēPjPē
PīCћPsC,PēPrC-P°P±PμC,PēC†PSPēPjPē P·P°C†PsP±P°PjPē,
P°C†PμC,PēP»C†P°P»C-C†PēP»PsPIPsCћ PePēC†P»PsC,PсCћ C,P° C-PSC€PēPjPē
P°PSC,PēC,CћPsPjP±PsC,PēC†PSPēPjPē PīCћPμPīP°CћP°C,P°PjPē; PīCћPē C†CHbPsPjC†
P¶PsPrPSPēC... PīCћPsP±P»PμPj P±PμP·PīPμPePē PSPμ PIC-PrP·PSP°C†P°P»PsC†CЦ.

PћC†PsP±P»PēPIPsC†C,C- P·P°C†C,PсC†C¿PIP°PSPSCЦ.

PћC†PsP±P»PēPIC- P·P°C†C,PμCћPμP¶PμPSPSCЦ.

PќPμPrPsC†C,P°C,PSC-PNё C†PīCћPēCЦC,P»PēPIPēPNё PIPīP»PēPI PSP° PeP»C-PSC-C†PSC-
CћPμP·C¿P»CHbC,P°C,Pē P»C-PeC¿PIP°PSPSCЦ PīP°C†C-C”PSC,C-PI C-P·
C†PēPjPīC,PsPjP°C,PēC†PSPsCћ C...CћPsPSC-C†PSPsCћ C†C,P°P±C-P»CHbPSPsCћ
C†C,PμPSPsPeP°CћPrC-C”Cћ. P P°C”PSPsPj PīPsPeP°P·P°PSPēPNё C,C-P»CHbPePē PrP»CЦ
C†PēPjPīC,PsPjP°C,PēC†PSPsPiPs P»C-PeC†PIP°PSPSCЦ C...CћPsPSC-C†PSPsC—
C†C,P°P±C-P»CHbPSPsC— C†C,PμPSPsPeP°CћPrC-C—, PsC†PeC-P»CHbPePē
P»C-PeC†PIP°PSPSCЦ C-PIP°P±CћP°PrPēPSPsPj PSPμ PīCћPsPrPμPjPsPSC†C,CћC†PIP°P»Ps
C†PīCћPēCЦC,P»PēPIPsPiPs PIPīP»PēPIC† PSP° P·PSPēP¶PμPSPSCЦ CћPēP·PēPeC†
C†PμCћC†PμPIPs-C†C†PrPēPSPSPēC... CЦIPIPēC% (PSP°PīCћPēPeP»P°Pr C-PSC,,P°CћPeC,C†
PjC-PsPeP°CћPrP° P°P±Ps P»PμC,P°P»CHbPSPsPiPs PSP°C†P»C-PrPeC† C†PμCћPμP·
C†PμCћC†PμPIPs-C†C†PrPēPSPSC- PīP°C,PsP»PsPiC-C—) (PrPēPI. CћPsP·PrC-P»
B«PαP°CћPjP°PePsPrPēPSP°PjC-PeP°B»).

P’PēPjC-CћCћPIP°PSPSCЦ P\$PŸPŸ. P’CћP°C...PsPIC†CћC†Pē PjPsP¶P»PēPIC-C†C,CH

P»C-PIPsC— PSC-P¶PePë PíCfC±PeP° P“C-ClP°, P±P»PsPeP°PrP° PíC¶P°PIPsC— PSC-P¶PePë PíCfC±PeP° P“C-ClP°) C,P° C¶P»CfPSPsC±PePsPIPsC¶ PrPµClPëPSC...C¶PsPSC-P·P°C†C-C“C¶ PíPsPIPëPSPSC- P·PSP°C...PsPrPëC,PëClC¶ PíC-Pr C¶PµC,PµP»CHbPSPëPj PSP°PiP»C¶PrPsPj.

PµP°C†C-C“PSC,Pë P· AV-P±P»PsPeP°PrPsC¶ II ClC,C¿PiPµPSC¶. P P°C“PSPsPj PSPµ C¶PµPePsPjPµPSPPrPsPIP°PSPëPMë PiP°C†C-C“PSC,P°Pj P· AV-P±P»PsPeP°PrPsC¶

II ClC,CfPiPµPSC¶.

PµP°C†C-C“PSC,Pë P· PSPëP·CHbPePsC¶ C±P°ClC,PsC,PsC¶ ClPµC¶C†PµPIPëC... ClPëPsC¶PµPSC¶. P¶Pµ ClP»C-Pr PíC¶PëP·PSP°C±P°C,Pë P P°C“PSPsPj PiP°C†C-C“PSC,P°Pj, Cí C¶PePëC... P¶P¶P¶ Cí ClC,P°PSC- ClPiPsPePsC¶ PrPs PiPsC±P°C,PeCf P»C-PeCfPIP°PSPSC¶ ClC,P°PSPsPIPëC,CHb < 70 CíPr/C...PI (PrPëPI. C¶PsP·PrC-P» B«PµC¶PsC,PëPiPsPeP°P·P°PSPSC¶B»).

PíPeC%Ps PiC-Pr C±P°Cl C,PµC¶P°PiC-C— PIC-PrP±CfPIP°C“C,CHbClC¶ ClC,C-PMëPePµ P·PSPëP¶PµPSPSC¶ P¶P¶P¶ Cí ClC,P°PSC- ClPiPsPePsC¶ PrPs < 50 CíPr/C...PI P°P±Ps Cí PiP°C†C-C“PSC,P° PIPëPSPëPeP°C¶C,CHb ClPëPjPiC,PsPjPë, C¶PeC- C“ PíC¶PsC¶PIP°PjPë P±C¶P°PrPëPeP°C¶PrC-C— (P·P°PiP°PjPsC¶PsC±PµPSPSC¶, ClP»P°P±PeC-ClC,CHb, PiC-PiPsC,PµPSP·C-C¶), PrPsP·Cí PSPµPsP±C...C-PrPSPs PiPsClC,CfPiPsPIPs P·PjPµPSCëPëC,Pë P°P±Ps PíC¶PëPiPëPSPëC,Pë P»C-PeCfPIP°PSPSC¶, C¶PeC%Ps P¶P¶P¶ P»PëC¶P°C“C,CHbClC¶ PjPµPSCëPµ 50 CíPr/C...PI P°P±Ps ClPëPjPiC,PsPjPë P±C¶P°PrPëPeP°C¶PrC-C— C,C¶PëPIP°C¶C,CHb (PrPëPI. C¶PsP·PrC-P» B«P¶PiPsClC-P± P·P°ClC,PsClCfPIP°PSPSC¶ C,P° PrPsP·PëB»).

PµPsPjP±C-PSP°C†C-C¶ P· P±P»PsPeP°C,PsC¶P°PjPë PeP°P»CHbC†C-C“PIPëC... PeP°PSP°P»C-PI. P¶PrPSPsC±P°ClPSPµ P·P°ClC,PsClCfPIP°PSPSC¶ PíC¶PµPiP°C¶P°C,Cí P P°C“PSPsPj P· P±P»PsPeP°C,PsC¶P°PjPë PeP°P»CHbC†C-C“PIPëC... PeP°PSP°P»C-PI, C¶PeC- P·PjPµPSCëCfC¶C,CHb P¶P¶P¶, C,P°PePëPjPë C¶Pe PIPµC¶P°PiP°PjC-P» P°P±Ps PrPëP»C,C-P°P·PµPj, PíC¶PsC,PëPiPsPeP°P·P°PSPµ (PrPëPI. C¶PsP·PrC-P»Pë B«PµC¶PsC,PëPiPsPeP°P·P°PSPSC¶B» C- B«P·P·P°C“PjPsPrC-C¶ P· C-PSCëPëPjPë P»C-PeP°C¶ClCHbPePëPjPë P·P°ClPsP±P°PjPë C,P° C-PSCëC- PIPëPrPë PIP·P°C“PjPsPrC-PMëB»). PµPsPIC-PrPsPjP»PµPSC¶ PíC¶Ps PSPµP±PµP·PiPµC±PSC-ClC,CHb P·P°ClC,PsClCfPIP°PSPSC¶ PePsPjP±C-PSP°C†C-C— PíC¶PµPiP°C¶P°C,Cí P P°C“PSPsPj P· PSC-C,C¶P°C,P°PjPë C,P° PrPëPiC-PrC¶PsPiC-C¶PëPrPëPSPsPIPëPjPë P±P»PsPeP°C,PsC¶P°PjPë PeP°P»CHbC†C-C“PIPëC... PeP°PSP°P»C-PI (C,P°PePëPjPë C¶Pe P°PjP»PsPrPëPiC-PS) PSPµ PSP°PrC...PsPrPëP»Ps. P“PsPrP°C,PePsPIP° PµC,,PµPeC,PëPIPSC-ClC,CHb C-PIP°P±C¶P°PrPëPSCí Cí PePsPjP±C-PSP°C†C-C— P· PrPëPiC-PrC¶PsPiC-C¶PëPrPëPSPsPIPëPjPë P±P»PsPeP°C,PsC¶P°PjPë PeP°P»CHbC†C-C“PIPëC... PeP°PSP°P»C-PI PSPµ PIClC,P°PSPsPIP»PµPSP° (PrPëPI. C¶PsP·PrC-P» B«P¶P°C¶PjP°PePsPrPëPSP°PjC-PeP°B»).

PíC¶PsPSC-C±PSP° ClPµC¶C†PµPIP° PSPµPrPsClC,P°C,PSC-ClC,CHb. P»C-PeCfPIP°PSPSC¶ PjPsP¶P»PëPIPµ C,C-P»CHbPePë P·P° CíPjPsPIPë, C¶PeC%Ps ClPµC¶C†PµPIP° PSPµPrPsClC,P°C,PSC-ClC,CHb C“ ClC,P°P±C-P»CHbPSPsC¶. P P°C“PSPsPj ClP»C-Pr P·P°ClC,PsClCfPICfPIP°C,Pë P· PsP±PµC¶PµP¶PSC-ClC,C¶ PiP°C†C-C“PSC,P°Pj C-P· ClPµC¶C†PµPIPsC¶ PSPµPrPsClC,P°C,PSC-ClC,C¶ IV C,,CíPSPeC†C-PsPSP°P»CHbPSPsPiPs PeP»P°ClCí P·P° PeP»P°ClPëC,,C-PeP°C†C-C“C¶ NYHA C±PµC¶PµP· PsP±PjPµP¶PµPSCí PeC-P»CHbPeC-ClC,CHb PrP°PSPëC... PrP»C¶ C†C-C“C— PiPsPiCfP»C¶C†C-C—.

P†PSClC¿P»CHbC,. P P°C“PSPsPj PSPµ C¶PµPePsPjPµPSPPrPsPIP°PSPs PíC¶PëP·PSP°C±P°C,Pë C...PIPsC¶PëPj PsPrC¶P°P·Cí P¶ PiC-ClP»C¶ PiPµC¶PµPSPµClPµPSPsPiPs C-PSClCíP»CHbC,Cí, PsClCfPeC-P»CHbPePë PSPµPjP°C“ PrP°PSPëC... C%PsPrPs P·P°ClC,PsClCfPIP°PSPSC¶

ΠῖCῡPμΠῖP°CῡP°C,Cῖ Cῖ C,P°PeC-PNḡ CῖPḡC,CῖP°C†C-C—.

P—PsCῡPsPIP° C,,CḡPSPeC†C-Cῡ. P†PIP°P±CῡP°PrPḡPS PIPῖP»PḡPIP°C” PSP° C,,CῖPSPeC†C-Cῡ CῖC-C,PeC-PIPePḡ PsPeP°. PḡPμPjP°C” PrPsPeP°P·C-PI C%PsPrPs C,PsPeCῖPḡC†PSPsPiPs PIPῖP»PḡPICῖ PrPsPIPiPsC,CῡPḡPIP°P»PsPiPs P»C-PeCῖPIP°PSPSCῡ C-PIP°P±CῡP°PrPḡPSPsPj PSP° CῖC-C,PeC-PIPeCῖ (PrPḡPI. CῡPsP·PrC-P» B«PαP°CῡPjP°PePsPrPḡPSP°PjC-PeP°B»). Pj CῡP°P·C- PIPḡPSPḡPePSPμPSPSCῡ P±CῖPrCῡ-CῡPePsPiPs PSPμΠῖPμCῡPμPrP±P°C†CῖPIP°PSPsPiPs ΠῖPsCῡCῖCḡPμPSPSCῡ P·PsCῡPsPIPsC— C,,CῖPSPeC†C-C— P»C-PeCῖPIP°PSPSCῡ PSPμPsP±C...C-PrPSPs ΠῖCῡPḡΠῖPḡPSPḡC,Pḡ. P— PsP±PμCῡPμPῖPSC-CῖC,Cῡ CῖP»C-Pr ΠῖCῡPḡP·PSP°C†P°C,Pḡ ΠῖCῡPμΠῖP°CῡP°C, ΠῖP°C†C-C”PSC,P°Pj P· ΠῖC-ΠῖPjPμPSC,PSPḡPj CῡPμC,PḡPSC-C,PsPj.

P—P°ΠῖPsP±C-PῖPSC- P·P°C...PsPrPḡ ΠῖCῡPḡ P·P°CῖC,PsCῖCḡPIP°PSPSC-.

PμP°C†C-C”PSC,Pḡ P· P°CῡC,PμCῡC-P°P»CῡPSPsCῡ ΠῖC-ΠῖPsC,PμPSP·C-C”Cῡ. PḡPμCῡPμP· PIC-PrCῖCῖC,PSC-CῖC,Cῡ PrPsCῖC,P°C,PSCῡPsC— PeC-P»CῡPePsCῖC,C- PrP°PSPḡC... P P°C”PSPsPj CῖP»C-Pr P·P°CῖC,PsCῖPsPICῖPIP°C,Pḡ P· PsP±PμCῡPμPῖPSC-CῖC,Cῡ ΠῖP°C†C-C”PSC,P°Pj P· P°CῡC,PμCῡC-P°P»CῡPSPsCῡ ΠῖC-ΠῖPsC,PμPSP·C-C”Cῡ P»PμΠῖPePsPiPs C,P° ΠῖPsPjC-CῡPSPsPiPs CῖC,CῖΠῖPμPSCῡ C,CῡPῖPePsCῖC,C-. P P°C”PSPsPj ΠῖCῡPsC,PḡΠῖPsPeP°P·P°PSPḡPNḡ ΠῖP°C†C-C”PSC,P°Pj P· C,CῡPῖPePsCῡ P°CῡC,PμCῡC-P°P»CῡPSPsCῡ ΠῖC-ΠῖPsC,PμPSP·C-C”Cῡ (P°CῡC,PμCῡC-P°P»CῡPSPḡPNḡ C,PḡCῖPe < 90/50 PjPj CῡC, CῖC,.) (PrPḡPI. CῡPsP·PrC-P» B«PμCῡPsC,PḡΠῖPsPeP°P·P°PSPSCῡB»).

PαC-P±CῡPḡP»CῡC†C-Cῡ ΠῖPμCῡPμPrCῖPμCῡPrCῡ Bῡ” PḡP°CῡPrC-PsP°CῡPḡC,PjC-C—. P”PsPeP°P·C-PI C%PsPrPs CῡPḡP·PḡPeCῖ PIPḡPSPḡPePSPμPSPSCῡ (PSP°PrPjC-CῡPSPsC—) P±CῡP°PrPḡPeP°CῡPrC-C— Cῖ PIPḡΠῖP°PrPeCῖ PIC-PrPSPsPIP»PμPSPSCῡ CῖPḡPSCῖCῖPsPIPsPiPs CῡPḡC,PjCῖ ΠῖCῡPḡ ΠῖCῡPsPIPμPrPμPSPSC- C,,P°CῡPjP°PePsP»PsPiC-C†PSPsC— PeP°CῡPrC-PsPIPμCῡCῖC-C— Cῖ ΠῖP°C†C-C”PSC,C-PI, CῡPeC- P»C-PeCῖPIP°P»PḡCῖCῡ C-PIP°P±CῡP°PrPḡPSPsPj, PSPμPjP°C”. PμCῡPsC,Pμ Cῖ P·ΠῖBῡ™ CῡP·PeCῖ P· PIC-PrCῖCῖC,PSC-CῖC,Cῡ PrPsCῖC,P°C,PSCῡPsC— PeC-P»CῡPePsCῖC,C- PrP°PSPḡC... ΠῖCῡPsPIPsPrPḡC,Pḡ DC-PeP°CῡPrC-PsPIPμCῡCῖC-Cῡ, CῡPeP° PSPμ C” PSPμPIC-PrPeP»P°PrPSPsCῡ, CῡPμPePsPjPμPSPῖCῖC,CῡCῖCῡ PSPμ CῡP°PSC-CḡPμ, PSC-Pῖ C†PμCῡPμP· 24 ΠῖPsPrPḡPSPḡ ΠῖC-CῖP»Cῡ PsCῖC,P°PSPSCῡPsPiPs ΠῖCῡPḡPNḡPsPjCῖ ΠῖCῡPμΠῖP°CῡP°C,Cῖ P P°C”PSPsPj.

PμP°C†C-C”PSC,Pḡ, CῡPeC- PjP°CῡC,Cῡ ΠῖCῡPsP»PsPSPiPsPIP°PSPḡPNḡ C-PSC,PμCῡPIP°P» QT PICῡPsPrPῖPμPSPsPiPs T’PμPSPμP·Cḡ P°P±Ps ΠῖCῡPḡPNḡPjP°CῡC,Cῡ ΠῖCῡPμΠῖP°CῡP°C,Pḡ, C%Ps ΠῖPsPrPsPIPῖCḡCῡC,Cῡ C-PSC,PμCῡPIP°P» QT. PῖP»C-Pr CῖPSPḡPeP°C,Pḡ P·P°CῖC,PsCῖCῖPIP°PSPSCῡ ΠῖCῡPμΠῖP°CῡP°C,Cῖ P P°C”PSPsPj ΠῖP°C†C-C”PSC,P°Pj, CῡPeC- PjP°CῡC,Cῡ ΠῖCῡPsP»PsPSPiPsPIP°PSPḡPNḡ C-PSC,PμCῡPIP°P» QT PICῡPsPrPῖPμPSPsPiPs T’PμPSPμP·Cῖ P°P±Ps ΠῖCῡPḡPNḡPjP°CῡC,Cῡ ΠῖCῡPμΠῖP°CῡP°C,Pḡ, C%Ps ΠῖPsPrPsPIPῖCῖCῡC,Cῡ C-PSC,PμCῡPIP°P» QT (PrPḡPI. CῡPsP·PrC-P» B«P’P·P°C”PjPsPrC-Cῡ P· C-PSCḡPḡPjPḡ P»C-PeP°CῡCῖCῡPePḡPjPḡ P·P°CῖPsP±P°PjPḡ C,P° C-PSCḡC- PIPḡPrPḡ PIP·P°C”PjPsPrC-PNḡB»). Pj CῡP°P·C- PSPμPsP±C...C-PrPSPsCῖC,C- P·P°CῖC,PsCῖCῖPIP°PSPSCῡ C,P°PePsC— PePsPjP±C-PSP°C†C-C— ΠῖP°C†C-C”PSC,P°Pj CῡPμPePsPjPμPSPῖPsPIP°PSPḡPNḡ CῡPμC,PμP»CῡPSPḡPNḡ PeP°CῡPrC-PsP»PsPiC-C†PSPḡPNḡ PjPsPSC-C,PsCῡPḡPSPi.

P—PjPμPSCḡPμPSPSCῡ PḡPῖPῖ PIPSP°CῖP»C-PrPsPe P·P°CῖC,PsCῖCῖPIP°PSPSCῡ C-PIP°P±CῡP°PrPḡPSCῖ PjPsPῖPμ ΠῖPsCῖPḡP»PḡC,Pḡ ΠῖPsPrPsPIPῖPμPSPSCῡ C-PSC,PμCῡPIP°P»Cῖ QT C,P° CῖΠῖCῡPḡC†PḡPSPḡC,Pḡ PIPḡPSPḡPePSPμPSPSCῡ P°CῡPḡC,PjC-PNḡ C,CῡPῖPePsPiPs CῖC,CῖΠῖPμPSCῡ, P·PsPeCῡPμPjP°, CḡP»CḡPSPsC†PePsPIPsC—

C,P°C...C-PeP°CḡPrC-C— C,PëPĩCž B«PĩC-CḡCžPμC,B».

PμP°C†C-C"ḡPSC,Pë P· P°CḡC,PμCḡC-P°P»CHḡPSPsCḡ PĩC-PĩPμCḡC,PμPSP·C-C"ḡCḡ, CḡPeC-PĩPsC,CḡPμP±CžCḡC,Cḡ P·PjC-PS Cž P»C-PeCžPIP°PSPSC-. Pj CḡP°P·C- PIPSPμCḡPμPSPSCḡ P·PjC-PS Cr C,PμCḡP°PĩC-Cḡ PĩP°C†C-C"ḡPSC,C-PI P· C...CḡPsPSC-C†PSPsCḡ CḡPμCḡC†PμPIPsCḡ PSPμPrPsCḡC,P°C,PSC-CḡC,Cḡ PĩC-Pr C†P°Cḡ P·P°CḡC,PscḡC†PIP°PSPSCḡ C-PIP°P±CḡP°PrPëPSCr P°CḡC,PμCḡC-P°P»CHḡPSPëPNë C,PëCḡPe CḡP»C-Pr PePsPSC,CḡPsP»CḡPIP°C,Pë C†PμCḡPμP· PĩPμPIPSC- PĩCḡPsPjC-PḡPePë C†P°CḡCr (PrPëPI. CḡPsP·PrC-P» B«PμPsP±C-C†PSC- CḡPμP°PeC†C-C—B»).

P"PsPĩPsPjC-PḡPSC- CḡPμC†PsPIPëPSPë

PĩPμPNë P»C-PeP°CḡCḡCHḡPePëPNë P·P°CḡC-P± PjC-CḡC,PëC,Cḡ P»P°PeC,PsP·Cr.

PÿPsPjCr PĩCḡPμPĩP°CḡP°C, PSPμ CḡP»C-Pr P·P°CḡC,PscḡPsPICrPIP°C,Pë PĩP°C†C-C"ḡPSC,P°Pj P· CḡC-PrPeC-CḡPSPëPjPë PICḡPsPrPḡPμPSPëPjPë P·P°C...PIPSCḡCḡPIP°PSPSCḡPjPë, C,P°PePëPjPë CḡPe PSPμPĩPμCḡPμPSPsCḡPëPjC-CḡC,Cḡ PĩP°P»P°PeC,PsP·Pë, PĩPsPIPSP° P»P°PeC,P°P·PSP° PSPμPrPsCḡC,P°C,PSC-CḡC,Cḡ, CḡPëPSPrCḡPsPjPsPj PjP°P»CHḡP°P±CḡPsCḡP±C†C-C— PĩP»CḡPePsP·Pë C,P° PĩP°P»P°PeC,PsP·Pë.

PĩPμPNë P»C-PeP°CḡCḡCHḡPePëPNë P·P°CḡC-P± PjC-CḡC,PëC,Cḡ PjPμPSC€Pμ 1 PjPjPsP»Cḡ (23 PjPi) PSP°C,CḡC-Cḡ PSP° C,P°P±P»PμC,PeCr, C,PsP±C,Ps PĩCḡP°PeC,PëC†PSPs PIC-P»CHḡPSPëPNë PIC-Pr PSP°C,CḡC-Cḡ.

P—P°CḡC,PscḡCžPIP°PSPSCḡ Cž PĩPμCḡC-PsPr PIP°PĩC-C,PSPsCḡC,C- P°P±Ps PĩPsPrCžPIP°PSPSCḡ PĩCḡCžPrPrCḡ.

P-C-PSPePë CḡPμPĩCḡPsPrCžPeC,PëPIPSPsPĩPs PIC-PeCž. *PμC-Pr C†P°Cḡ P»C-PeCrPIP°PSPSCḡ PḡC-PSPeP°Pj CḡPμPĩCḡPsPrCrPeC,PëPIPSsPĩPs PIC-PeCr CḡP»C-Pr P·P°CḡC,PscḡPsPICrPIP°C,Pë PSP°P»PμPḡPSC- P·P°C...PsPrPë PePsPSC,CḡP°C†PμPĩC†C-C— (PrPëPI. CḡPsP·PrC-P» B«PμCḡPsC,PëPĩPsPeP°P·P°PSPSCḡB»).*

P'P°PĩC-C,PSC-CḡC,Cḡ. *P"°PSC- C%PsPrPs P·P°CḡC,PscḡC†PIP°PSPSCḡ C-PIP°P±CḡP°PrPëPSCr PIP°PĩC-C,PSPëPj PḡC-PSPeP°Pj PIC-PrCḡCrC,PSC- P°P±Ps PsP±PjPμPḡPμPSC-.*

P"PsCḡP»C-PrPḡPμPSPSCḡ PSP° C,PIP°CḡPëPSP°C... PIPëCḡPIPëP»Pë C,PsPeCḡPëC†PSPëPNë PIPĩP»PëPI PĩCḡPμPĩP°CḡP°C,Cr PSP° CḡPμPĩCḡPsPrCrPeC,PëPIPSCr C„CḡPSPeC†C-Cḡ. PÿP°PePsPḡ P±CḡP»Ps PIPëCḡPIP»PμPSPs PSP°CḡPIPSC-CḡC,Cḡ PμPjP±CḡC-PsC,PsPeCḡPëC†PSPsC— C,P° C,PμCḡP°C,PsPiPμPSPSPsC— PrC-C—. PμPsC,PμPSC†C-PNëPSPëPNë CḡPëP·PëPe PrP»Cḡ P»CḡPrPμPNë PSPμPIC-PrPsPjPëPNë, C,PsPjCr P·P°CḡC,PscḡC†PIP°PSPSCḡ PĩCḡPμPĩP°CḡP°C,Cr P P°C"ḡPSPsPj Cr PĩPμCḡC-PsPr PIP°PĩC-C,PSPsCḡC,C- PĩCḡPsC,PëPĩPsPeP°P·P°PSPμ

(PrPëPI. CḡPsP·PrC-P» B«PμCḡPsC,PëPĩPsPeP°P·P°PSPSCḡB»).

P"PsPrCžPIP°PSPSCḡ PĩCḡCžPrPrCḡ. *P"PsCḡP»C-PrPḡPμPSPSCḡ PSP° C,PIP°CḡPëPSP°C... CḡPIC-PrC†P°C,Cḡ, C%Ps C-PIP°P±CḡP°PrPëPS PĩCḡPsPSPëPeP°C" Cr PĩCḡCrPrPSPμ PjPsP»PsPePs. PÿPsPjCr P·P°CḡC,PscḡC†PIP°PSPSCḡ PĩCḡPμPĩP°CḡP°C,Cr P P°C"ḡPSPsPj Cr PĩPμCḡC-PsPr PĩPsPrCrPIP°PSPSCḡ PĩCḡCrPrPrCḡ PĩCḡPsC,PëPĩPsPeP°P·P°PSPμ (PrPëPI. CḡPsP·PrC-P» B«PμCḡPsC,PëPĩPsPeP°P·P°PSPSCḡB»).* *P-C-PSPeP°Pj, CḡPeC-*

PiPsC, CḡPμP±CíCḡC, CH P»C-PeCíPIP°PSPSCḡ C-PIP°P±CḡP°PrPëPSPsPj, CíP»C-Pr
PíCḡPëPíPëPSPëC, Pë PiPsPrCíPIP°PSPSCḡ PiCḡCíPrPrCḡ C, P° PsP±CḡP°C, Pë C-PSCëPëPNë
CíPiPsCíC-P± PiPsPrCíPIP°PSPSCḡ PrPëC, PëPSPë.

PαPμCḡC, PëP»CHPSC-CíC, CH. PJ C...PsPrC- PrPsCíP»C-PrPḡPμPSCḡ PSP° C%oCíCḡP°C...
PIPíP»PëPICí C-PIP°P±CḡP°PrPëPSCí PSP° C,,PμCḡC, PëP»CHPSC-CíC, CH CíP°PjPsPe C, P°
CíP°PjC†C-PI PIPëCḡPIP»PμPSPs PSPμ P±CíP»Ps.

*P—PrP°C, PSC-CíC, CH PIPíP»PëPIP°C, Pë PSP° CëPIPëPrPeC-CíC, CH CḡPμP°PeC†C-C— PíCḡPë
PePμCḡCáPIP°PSPSC- P°PIC, PsC, CḡP°PSCíPíPsCḡC, PsPj P°P±Ps C-PSCëPëPjPë
PjPμC...P°PSC-P·PjP°PjPë.*

P†PIP°P±CḡP°PrPëPS PSPμ PIPíP»PëPIP°C” P°P±Ps PjP°C” PSPμP·PSP°C±PSPëPNë PIPíP»PëPI
PSP° P·PrP°C, PSC-CíC, CH PíCḡP°C†CḡPIP°C, Pë P· PjPμC...P°PSC-P·PjP°PjPë.

PJ C...PsPrC- C†C-P»CHPsPIPsPiPs PrPsCíP»C-PrPḡPμPSPSCḡ P· CíC±P°CíC, Cḡ
P·PrPsCḡPsPIPëC... PrPsP±CḡPsPIPsP»CHC†C-PI P±CíP»Ps PrPsPIPμPrPμPSPs, C%oPs
C-PIP°P±CḡP°PrPëPS PSPμ PIPíP»PëPIP°C” PSP° P·PrP°C, PSC-CíC, CH PePμCḡCíPIP°C, Pë
P°PIC, PsC, CḡP°PSCíPíPsCḡC, PsPj. PhPrPSP°Pe Cí PíC-CíP»CḡCḡPμC”CíC, CḡP°C†C-PNëPSPëPNë
PíPμCḡC-PsPr PíPsPIC-PrPsPjP»CḡP»Pë PíCḡPs PIPëPíP°PrPePë PíPsCḡCíCëPμPSPSCḡ
P·PrP°C, PSPsCíC, C- PePμCḡCíPIP°C, Pë P°PIC, PsPjPsP±C-P»PμPj C±PμCḡPμP· CíPëPjPíC, PsPjPë
P· P±PsPeCí P·PsCḡCí. P—P°CíC, PsCíCíPIP°PSPSCḡ C-PIP°P±CḡP°PrPëPSCí PjPsPḡPμ
CíPíCḡPëC±PëPSPëC, Pë C, PëPjC±P°CíPsPIPμ PIPëPSPëPePSPμPSPSCḡ P·PsCḡPsPIPëC...
C,,PμPSPsPjPμPSC-PI, P·PrPμP±C-P»CHCëPsPiPs Cí PIPëPiP»CḡPrC- C,,PsCíC,,PμPSC-PI
(PrPëPI. CḡPsP·PrC-P» B«PμPsP±C-C±PSC- CḡPμP°PeC†C-C—B»). PhPsPḡP»PëPIC-CíC, CH
PIPëPSPëPePSPμPSPSCḡ C, P°PePëC... P·PsCḡPsPIPëC... C,,PμPSPsPjPμPSC-PI
PSPμPsP±C...C-PrPSPs P±CḡP°C, Pë PrPs CíPIP°PiPë PíCḡPë PePμCḡCíPIP°PSPSC-
P°PIC, PsPjPsP±C-P»PμPj C, P° CḡPsP±PsC, C- P· PjPμC...P°PSC-P·PjP°PjPë Cí
CíPëC, CíP°C†C-CḡC..., PePsP»Pë C-PSC, PμPSCíPëPIPSC-CíC, CH CíPIC-C, P»P° PjPsPḡPμ
CḡP°PíC, PsPIPs P·PjC-PSCḡPIP°C, PëCíCḡ, PsCíPsP±P»PëPIPs PíCḡPë PePμCḡCíPIP°PSPSC-
PIPSPsC±C-.

PŸPiPsCíC-P± P·P°CíC, PsCíCáPIP°PSPSCḡ C, P° PrPsP·Pë.

P—P°P»PμPḡPSPs PIC-Pr PSPμPsP±C...C-PrPSPsC— PrPsP·Pë CíP»C-Pr PíCḡPëP·PSP°C±P°C, Pë
C, P°P±P»PμC, PePë, PIPeCḡPëC, C- PíP»C-PIPePsPIPsCḡ PsP±PsP»PsPSPePsCḡ, CḡPeC-
PjC-CíC, CḡC, CH 5 PjPi P°P±Ps 7,5 PjPi C-PIP°P±CḡP°PrPëPSCí.

P P°C”PSPsPj CíP»C-Pr PíCḡPëP·PSP°C±P°C, Pë PrPsCḡPsCíP»PëPj PíP°C†C-C”PSC, P°Pj.

P P°C”PSPsPj, C, P°P±P»PμC, PePë, PIPeCḡPëC, C- PíP»C-PIPePsPIPsCḡ PsP±PsP»PsPSPePsCḡ PíPs
5 PjPi PjPsPḡPSP° CḡPsP·PrC-P»PëC, Pë PSP° CḡC-PIPSC- PrPsP·Pë.

P P°C”PSPsPj, C, P°P±P»PμC, PePë, PIPeCḡPëC, C- PíP»C-PIPePsPIPsCḡ PsP±PsP»PsPSPePsCḡ PíPs
7,5 PjPi PSPμ PíC-PrP»CḡPiP°CḡC, CH PíPsPrC-P»Cí.

PŸPëPjPíC, PsPjP°C, PëC±PSPμ P»C-PeCáPIP°PSPSCḡ C...CḡPsPSC-C±PSPsC—
CíC, P°P±C-P»CHPSPsC— CíC, PμPSPsPeP°CḡPrC-C—.

P C-C€PµPSPSCİİ C%PsPrPs PİPsC±P°C,PeCı P»C-PeCıPIP°PSPSCİİ P°P±Ps C,PëC,CĤP°C†C-C—
PrPsP·Pë CĤPµPePsPjPµPSPPrPsPIP°PSPs PİCĤPëPNëPjP°C,Pë PİCĤPë PSP°CİPIPSPsCİC,C-
CĤPµP·CıP»CHC,P°C,C-PI PİPsCİP»C-PrPsPIPSPëC... PIPëPjC-CĤCĤPIP°PSCĤ PŞPŸPŸ, P•PŷP”
P°P±Ps C†C-P»PsPrPsP±PsPIPsPiPs P°PjP±CıP»P°C,PsCĤPSPsPiPs PjPsPSC-C,PsCĤPëPSPiCı.

PJ PİP°C†C-C”PSC,C-PI PIC-PePsPj PrPs 75 CĤPsPeC-PI PİPsC±P°C,PePsPIP° PrPsP·P°
PİCĤPµPİP°CĤP°C,Cı P P°C”PSPsPj PSPµ PİPsPIPëPSPSP° PİPµCĤPµPIPëC%CıPIP°C,Pë 5 PjPi
PrPIC-C†C- PSP° PrPsP±Cı. PİPeC%Ps Cı PİP°C†C-C”PSC,C-PI, CİPeC- PİCĤPëPNëPjP°CĤC,CH
C-PIP°P±CĤP°PrPëPS PİPs 2,5 P°P±Ps 5 PjPi PrPIC-C†C- PSP° PrPsP±Cı, PİC-CİP»Cİİ

3-4 C,PëP¶PSC-PI P»C-PeCıPIP°PSPSCİİ CİPëPjPiC,PsPjPë PSPµ P·PSPëPeP°CĤC,CH, PrPsP·Cı
C-PIP°P±CĤP°PrPëPSCı PjPsP¶PSP° P·P±C-P»CHC€PëC,Pë PrPs PSP°CİC,CıPİPSPsC— P·P°
CıPjPsPIPë PİP°CĤPSPsC— PİPµCĤPµPSPsCİPëPjPsCİC,C- PİPsC±P°C,PePsPIPsC— PrPsP·Pë C,P°
CİPeC%Ps PŞPŸPŸ Cı CİC,P°PSC- CİPİPsPePsCĤ P·P°P»PëC€P°C”C,CHCİCİİ PSP° CĤC-PIPS-
> 60 CıPr/C...PI. PµC-PrC,CĤPëPjCıCĤC±P° PrPsP·P° PSPµ PİPsPIPëPSPSP°
PİPµCĤPµPIPëC%CıPIP°C,Pë 7,5 PjPi PrPIC-C†C- PSP° PrPsP±Cı.

PJ CĤP°P·C- PIC-PrCİCıC,PSPsCİC,C- PİPsP»C-PİC€PµPSPSCİİ CİPëPjPiC,PsPjC-PI
CİC,PµPSPsPeP°CĤPrC-C— PİCĤPsC,CİPiPsPj 3 PjC-CİCİC†C-PI PİC-CİP»Cİİ PİPsC±P°C,PeCı
P»C-PeCıPIP°PSPSCİİ PİCĤPëPNëPsPj PİCĤPµPİP°CĤP°C,Cı P P°C”PSPsPj CİP»C-Pr
PİCĤPëPİPëPSPëC,Pë.

PŷCĤC-Pj C,PsPiPs, CİP»C-Pr CĤPsP·PiP»CİPSCıC,Pë PjPsP¶P»PëPIC-CİC,CH
PİCĤPëPİPëPSPµPSPSCİİ C,PµCĤP°PİC-C— Cı CĤP°P·C-, CİPeC%Ps PIC-PrPİPsPIC-PrCH PSP°
CİPëPjPiC,PsPjP°C,PëC±PSPµ P»C-PeCıPIP°PSPSCİİ C” PSPµP·PSP°C±PSPsCĤ C,P°
PIC-PrCİCıC,PSC” PeP»C-PSC-C±PSPs P·PSP°C±CıC%Pµ P·PSPëP¶PµPSPSCİİ PŞPŸPŸ Cı
CİC,P°PSC- CİPİPsPePsCĤ PİCĤPsC,CİPiPsPj 3 PjC-CİCİC†C-PI P»C-PeCıPIP°PSPSCİİ.

PİPeC%Ps PİC-Pr C±P°Cı P»C-PeCıPIP°PSPSCİİ PŞPŸPŸ P·PSPëP¶CıC”C,CHCİCİİ PrPs
CĤC-PIPSİİ PjPµPSC€Pµ 50 CıPr/C...PI Cı CİC,P°PSC- CİPİPsPePsCĤ P°P±Ps PİP°C†C-C”PSC,
PIC-PrC±CıPIP°C” CİPëPjPiC,PsPjPë, CİPeC- C” PİCĤPsCİPIP°PjPë P±CĤP°PrPëPeP°CĤPrC-C—
(P·P°PİP°PjPsCĤPsC±PµPSPSCİİ, CİP»P°P±PeC-CİC,CH, PİC-PİPsC,PµPSP·C-Cİİ), PrPsP·Cı
PSPµPsP±C...C-PrPSPs PİPsCİC,CıPİPsPIPs P·PjPµPSC€PëC,Pë, PİPeP»CĤC±P°CĤC±Pë
PjPsP¶P»PëPIC-CİC,CH P·P°CİC,PsCİCıPIP°PSPSCİİ PSP°PNëPSPëP¶C±PsC— PrPsP·Pë 2,5 PjPi
PrPIC-C†C- PSP° PrPsP±Cı (PİPsP»PsPIPëPSP° C,P°P±P»PµC,PePë 5 PjPi PrPIC-C†C- PSP°
PrPsP±Cı). PµC-CİP»Cİİ P·PjPµPSC€PµPSPSCİİ PrPsP·Pë CİP»C-Pr PePsPSC,CĤPsP»CĤPIP°C,Pë
PŞPŸPŸ (PrPëPI. CĤPsP·PrC-P» B«PĤCİPsP±P»PëPIPsCİC,C- P·P°CİC,PsCİCıPIP°PSPSCİİB»).

PµCĤPëPNëPsPj PİCĤPµPİP°CĤP°C,Cı CİP»C-Pr PİCĤPëPİPëPSPëC,Pë, CİPeC%Ps PŞPŸPŸ
P·P°P»PëC€P°C”C,CHCİCİİ PSP° CĤC-PIPS- PjPµPSC€Pµ 50 CıPr/C...PI, P°P±Ps CİPeC%Ps
CİPëPjPiC,PsPjPë P±CĤP°PrPëPeP°CĤPrC-C— C,CĤPëPIP°CĤC,CH, PSPµP·PIP°P¶P°CĤC±Pë PSP°
P·PjPµPSC€PµPSPSCİİ PrPsP·Pë.

P»C-PeCıPIP°PSPSCİİ C...CĤPsPSC-C±PSPsC— CİPµCĤC†PµPIPsC—
PSPµPrPsCİC,P°C,PSPsCİC,C-.

P»C-PeCıPIP°PSPSCİİ PjP°C” P±CıC,Pë C-PSC-C†C-PNëPsPIP°PSPµ C,C-P»CHPePë
PİP°C†C-C”PSC,P°Pj P·C- CİC,P°P±C-P»CHPSPsCĤ CİPµCĤC†PµPIPsCĤ
PSPµPrPsCİC,P°C,PSC-CİC,CĤ. P PµPePsPjPµPSPPrCıC”C,CHCİCİİ, C%PsP±
PİCĤPëP·PSP°C±PµPSPSCİİ CĤPsP±PëPI P»C-PeP°CĤ P· PrPsCİPIC-PrPsPj P»C-PeCıPIP°PSPSCİİ
C...CĤPsPSC-C±PSPsC— CİPµCĤC†PµPIPsC— PSPµPrPsCİC,P°C,PSPsCİC,C-.

P PµPePsPjPµPSPPrPsPIP°PSP° PİPsC±P°C,PePsPIP° PrPsP·P° PİCĤPµPİP°CĤP°C,Cı P P°C”PSPsPj

CÍČ,C,P°PSPsPIPëC,CH 5 PjPi PrPIC-C†C- PSP° PrPsP±C†. PµC-CÍP»CÍ
 PrPIPsC,PëP¶PSPµPIPsPiPs PeC†C†CÍC† P»C-PeC†PIP°PSPSCÍ P†PsP·C† PjPsP¶PSP°
 PíC-PrPIPëC‰PëC,Pë PrPs 7,5 PjPi PrPIC-C†C- PSP° PrPsP±C†, CÍPeC‰Ps P§PŸPŸ C†
 CÍČ,C,P°PSC- CÍPiPsPePsC† P·P°P»PëC€P°C”C,CHCÍCÍ PSP° C†C-PIPSC- > 60 C†Pr/C...PI;
 P°P±Ps P·PjPµPSC€PëC,Pë PrPs 2,5 PjPi PrPIC-C†C- PSP° PrPsP±C† (PíPsP»PsPIPëPSP°
 C,P°P±P»PµC,PePë 5 PjPi PrPIC-C†C- PSP° PrPsP±C†), CÍPeC‰Ps P§PŸPŸ
 P·P°P»PëC€P°C”C,CHCÍCÍ PSP° C†C-PIPSC- < 50 C†Pr/C...PI C† CÍČ,C,P°PSC- CÍPiPsPePsC†
 P°P±Ps PíP°C†C-C”PSC, PIC-PrC†C†PIP°C” CÍPëPjPíC,PsPjPë, P·C†PjPsPIP»PµPSC-
 P±C†P°PrPëPeP°C†PrC-C”C† (P·P°PíP°PjPsC†PµPSPSCÍ, CÍP»P°P±PeC-CÍČ,C,CH,
 PiC-PíPsC,PµPSP·C-CÍ). PíPeC‰Ps P§PŸPŸ P·PSP°C...PsPrPëC,CHCÍCÍ C† PrC-P°PíP°P·PsPSC-
 50-60 C†Pr/C...PI, PrPsP·C† 5 PjPi PrPIC-C†C- PSP° PrPsP±C† P·P°P»PëC€P°C,Pë
 PSPµP·PjC-PSPSPsC†.

PíPeC‰Ps PíC-Pr C†P°C† P»C-PeC†PIP°PSPSCÍ PIC-PrP·PSP°C†P°C”C,CHCÍCÍ CÍČ,C-PNëPePµ
 P·PSPëP¶PµPSPSCÍ P§PŸPŸ C† CÍČ,C,P°PSC- CÍPiPsPePsC† PrPs < 50 C†Pr/C...PI P°P±Ps
 PíP°C†C-C”PSC, PIC-PrC†C†PIP°C” CÍPëPjPíC,PsPjPë, P·C†PjPsPIP»PµPSC-
 P±C†P°PrPëPeP°C†PrC-C”C†, PíC†Pë P·P°C†C,PsC†C†PIP°PSPSC- C-PIP°P±C†P°PrPëPSC† PíPs
 7,5 P°P±Ps 5 PjPi PrPIC-C†C- PSP° PrPsP±C†, PSPµPsP±C...C-PrPSPs P·PjPµPSC€PëC,Pë PrPsP·C†
 PrPs PSP°CÍČ,C†PíPSPsC— PjPµPSC€PsC—. PíPeC‰Ps P§PŸPŸ C” PíPsCÍČ,C-PNëPSPs
 > 60 C†Pr/C...PI C† CÍČ,C,P°PSC- CÍPiPsPePsC†, PíP°C†C-C”PSC,P°Pj, CÍPeC-
 PíC†PëPµPjP°C†C,CH C-PIP°P±C†P°PrPëPS PíPs 2,5 P°P±Ps 5 PjPi PrPIC-C†C- PSP° PrPsP±C†,
 CÍP»C-Pr PíPsCÍČ,C†PíPsPIPs PíC-PrPIPëC‰PëC,Pë PrPsP·C† PrPs PSP°CÍČ,C†PíPSPsC—
 P±C-P»CHC€PsC—.

P—P°CÍČ,C,PsC†C†PIP°PSPSCÍ PíC†PµPíP°C†P°C,C† PSPµPsP±C...C-PrPSPs PíC†PëPíPëPSPëC,Pë,
 CÍPeC‰Ps PíC-Pr C†P°C† P»C-PeC†PIP°PSPSCÍ P§PŸPŸ P·P°P»PëC€P°C”C,CHCÍCÍ
 < 50 C†Pr/C...PI P°P±Ps CÍPëPjPíC,PsPjPë P±C†P°PrPëPeP°C†PrC-C— C,C†PëPIP°C†C,CH
 (PrPëPI. C†PsP·PrC-P» B«P†C†PsP±P»PëPIPsCÍČ,C- P·P°C†C,PsC†C†PIP°PSPSCÍB»).

P†CÍPsP±P»PëPIC- PeP°C,PµPiPsC†C-C— PíP°C†C-C”PSC,C-PI.

PµP°C†C-C”PSC,Pë P»C-C,PSCHPsPiPs PIC-PeC†. P”P»CÍ PíP°C†C-C”PSC,C-PI PIC-PePsPj PIC-Pr
 75 C†PsPeC-PI P»C-PeC†PIP°PSPSCÍ C†PsP·PíPsC†PëPSP°C,Pë P· PjPµPSC€PsC—
 PíPsC†P°C,PePsPIPsC— PrPsP·Pë (2,5 PjPi PrPIC-C†C- PSP° PrPsP±C†, C,PsP±C,Ps
 PíPsP»PsPIPëPSP° C,P°P±P»PµC,PePë 5 PjPi PrPIC-C†C- PSP° PrPsP±C†). Pj C†P°P·C-
 PSPµPsP±C...C-PrPSPsCÍČ,C- PrPsP·C† PjPsP¶PSP° PíPsCÍČ,C†PíPsPIPs PíC-PrPIPëC‰PëC,Pë.

PµPsC†C†C€PµPSPSCÍ C,,C†PSPeC†C-C— PSPëC†PsPe. PµP°C†C-C”PSC,Pë P·
 PSPëC†PePsPIPsC† PSPµPrPsCÍČ,C,P°C,PSC-CÍČ,C† C,P° PeP»C-C†PµPSCÍPsPj
 PeC†PµP°C,PëPSC-PSC† P±C-P»CHC€Pµ 15 PjP»/C...PI PSPµ PíPsC,C†PµP±C†C†C,CH
 PePsC†PµPeC†C-C— PrPsP·Pë (PrPëPI. C†PsP·PrC-P» B«P°C†PjP°PePsPeC-PSPµC,PëPeP°B»).

P”P°PSC- C‰PsPrPs P·P°CÍČ,C,PsC†C†PIP°PSPSCÍ PíC†PµPíP°C†P°C,C† PíP°C†C-C”PSC,P°Pj P·
 PeP»C-C†PµPSCÍPsPj PeC†PµP°C,PëPSC-PSC† PjPµPSC€Pµ 15 PjP»/C...PI PIC-PrC†C†C,PSC-.
 PŸP°PePëPj PíP°C†C-C”PSC,P°Pj C-PIP°P±C†P°PrPëPS CÍP»C-Pr P·P°CÍČ,C,PsC†PsPIC†PIP°C,Pë P·
 PsP±PµC†PµP¶PSC-CÍČ,C†.

PµPsC†C†C€PµPSPSCÍ C,,C†PSPeC†C-C— PíPµC†C-PSPePë. PµP°C†C-C”PSC,Pë P·
 PíPsC†C†C€PµPSPSCÍPj C,,C†PSPeC†C-C— PíPµC†C-PSPePë P»PµPiPePsPiPs CÍČ,C†PíPµPSCÍ
 PSPµ PíPsC,C†PµP±C†C†C,CH PePsC†PµPeC†C-C— PrPsP·Pë. P— PsP±PµC†PµP¶PSC-CÍČ,C†
 PíC†PëP·PSP°C†P°C,Pë P P°C”PSPsPj PíP°C†C-C”PSC,P°Pj P· PíPsC†C†C€PµPSPSCÍPj
 C,,C†PSPeC†C-C— PíPµC†C-PSPePë PíPsPjC-C†PSPsPiPs CÍČ,C†PíPµPSCÍ. P P°C”PSPsPj

$\text{P}\ddot{\text{I}}\text{C}\ddot{\text{H}}\text{P}\text{sC}, \text{P}\ddot{\text{e}}\text{P}\ddot{\text{i}}\text{P}\text{sP}\text{eP}^\circ\text{P}^\circ\text{PSP}\ddot{\text{e}}\text{PN}\ddot{\text{e}} \text{P}\ddot{\text{i}}\text{P}^\circ\text{C}\ddot{\text{I}}\text{C}-\text{C}''\text{PSC}, \text{P}^\circ\text{Pj} \text{P} \cdot \text{P}\ddot{\text{i}}\text{P}\mu\text{C}\ddot{\text{I}}\text{C}-\text{PSPePsPIPsC}\ddot{\text{H}}$
 $\text{PSP}\mu\text{PrPsC}\ddot{\text{I}}\text{C}, \text{P}^\circ\text{C}, \text{PSC}-\text{C}\ddot{\text{I}}\text{C}, \text{C}\ddot{\text{H}} \text{C}, \text{C}\ddot{\text{I}}\text{P}\P\text{PePsPiPs} \text{C}\ddot{\text{I}}\text{C}, \text{C}\ddot{\text{r}}\text{P}\ddot{\text{i}}\text{P}\mu\text{PSC}\ddot{\text{I}} \text{C}\ddot{\text{r}} \text{P} \cdot \text{P}\text{Ib}\ddot{\text{H}}^{\text{TM}} \text{C}\ddot{\text{I}}\text{P} \cdot \text{PeC}\ddot{\text{r}} \text{P} \cdot$
 $\text{PIC}-\text{PrC}\ddot{\text{I}}\text{C}\ddot{\text{r}}\text{C}, \text{PSC}-\text{C}\ddot{\text{I}}\text{C}, \text{C}\ddot{\text{H}} \text{PrPsC}\ddot{\text{I}}\text{P}\rangle\text{C}-\text{PrP}\P\text{P}\mu\text{PSC}\ddot{\text{H}} \text{P} \cdot \text{C}\ddot{\text{r}}\text{C}\ddot{\text{I}}\text{P}^\circ\text{C}\ddot{\text{I}}\text{C}, \text{C}\ddot{\text{H}} \text{C}\ddot{\text{I}}\text{C}-\text{C}''\text{C}-\text{PiC}\ddot{\text{H}}\text{C}\ddot{\text{r}}\text{P}\ddot{\text{i}}\text{P}\ddot{\text{e}}$
 $\text{P}\ddot{\text{i}}\text{P}^\circ\text{C}\ddot{\text{I}}\text{C}-\text{C}''\text{PSC}, \text{C}-\text{PI}, \text{P}^\circ \text{C}, \text{P}^\circ\text{PePsP}\P \text{C}\ddot{\text{I}}\text{P}\mu\text{C}\ddot{\text{H}}\text{P}\mu\text{P} \cdot \text{PjPsP}\P\text{P}\rangle\text{P}\ddot{\text{e}}\text{PIC}-\text{C}\ddot{\text{I}}\text{C}, \text{C}\ddot{\text{H}} \text{P} \cdot \text{PSP}^\circ\text{C}\ddot{\text{I}}\text{PSPsPiPs}$
 $\text{P} \cdot \text{P}\pm\text{C}-\text{P}\rangle\text{C}\ddot{\text{H}}\text{C}\ddot{\text{e}}\text{P}\mu\text{PSPSC}\ddot{\text{I}} \text{C}\ddot{\text{I}}\text{P}\ddot{\text{e}}\text{C}\ddot{\text{I}}\text{C}, \text{P}\mu\text{PjPSPsC}-\text{PePsPSC}\ddot{\text{I}}\text{P}\mu\text{PSC}, \text{C}\ddot{\text{H}}\text{P}^\circ\text{C}\ddot{\text{I}}\text{C}-\text{C}-$
 $\text{P}\ddot{\text{i}}\text{C}\ddot{\text{H}}\text{P}\mu\text{P}\ddot{\text{i}}\text{P}^\circ\text{C}\ddot{\text{H}}\text{P}^\circ\text{C}, \text{C}\ddot{\text{r}} (\text{PrP}\ddot{\text{e}}\text{PI}. \text{C}\ddot{\text{H}}\text{PsP} \cdot \text{PrC}-\text{P}\rangle\text{P}\ddot{\text{e}} \text{B}\langle\text{P}\mu\text{C}\ddot{\text{H}}\text{PsC}, \text{P}\ddot{\text{e}}\text{P}\ddot{\text{i}}\text{P}\text{sP}\text{eP}^\circ\text{P}^\circ\text{PSPSC}\ddot{\text{I}}\text{B}\rangle \text{C}, \text{P}^\circ$
 $\text{B}\langle\text{P}\alpha\text{P}^\circ\text{C}\ddot{\text{H}}\text{PjP}^\circ\text{PePsPeiPSP}\mu\text{C}, \text{P}\ddot{\text{e}}\text{PeP}^\circ\text{B}\rangle).$

$\text{P}\ddot{\text{Y}}\text{P}\ddot{\text{i}}\text{PsC}\ddot{\text{I}}\text{C}-\text{P}\pm \text{P} \cdot \text{P}^\circ\text{C}\ddot{\text{I}}\text{C}, \text{PsC}\ddot{\text{I}}\text{C}\ddot{\text{I}}\text{PIP}^\circ\text{PSPSC}\ddot{\text{I}}.$

$\text{P}\ddot{\text{Y}}\text{P}^\circ\text{P}\pm\text{P}\rangle\text{P}\mu\text{C}, \text{PeP}\ddot{\text{e}} \text{P}\ddot{\text{i}}\text{C}\ddot{\text{H}}\text{P}\ddot{\text{e}}\text{PN}\ddot{\text{e}}\text{PjP}^\circ\text{C}, \text{P}\ddot{\text{e}} \text{P}\ddot{\text{i}}\text{P}\mu\text{C}\ddot{\text{H}}\text{PsC}\ddot{\text{H}}\text{P}^\circ\text{P}\rangle\text{C}\ddot{\text{H}}\text{PSPs} \text{PrPIC}-\text{C}\ddot{\text{I}}\text{C}-\text{PSP}^\circ \text{PrPsP}\pm\text{C}\ddot{\text{r}}$
 $(\text{PIC}\ddot{\text{H}}\text{P}^\circ\text{PSC}\ddot{\text{I}}\text{C}-\text{C}, \text{P}^\circ \text{PIPIP}\mu\text{C}\ddot{\text{I}}\text{P}\mu\text{C}\ddot{\text{H}}\text{C}-) \text{P}\ddot{\text{i}}\text{C}-\text{Pr} \text{C}\ddot{\text{I}}\text{P}^\circ\text{C}\ddot{\text{I}} \text{P}\ddot{\text{i}}\text{C}\ddot{\text{H}}\text{P}\ddot{\text{e}}\text{PN}\ddot{\text{e}}\text{PsPjC}\ddot{\text{r}} \text{C}-\text{P}\P\text{C}- (\text{PrP}\ddot{\text{e}}\text{PI}.$
 $\text{C}\ddot{\text{H}}\text{PsP} \cdot \text{PrC}-\text{P}\rangle\text{B}\langle\text{P}\alpha\text{P}^\circ\text{C}\ddot{\text{H}}\text{PjP}^\circ\text{PePsPeC}-\text{PSP}\mu\text{C}, \text{P}\ddot{\text{e}}\text{PeP}^\circ\text{B}\rangle).$

$\text{P}''\text{C}-\text{C}, \text{P}\ddot{\text{e}}.$

$\text{P}'\text{P}\mu\text{P} \cdot \text{P}\ddot{\text{i}}\text{P}\mu\text{PeC}\ddot{\text{r}} \text{C}, \text{P}^\circ \text{P}\mu\text{C}, \text{P}\mu\text{PeC}, \text{P}\ddot{\text{e}}\text{PIPSC}-\text{C}\ddot{\text{I}}\text{C}, \text{C}\ddot{\text{H}} \text{P} \cdot \text{P}^\circ\text{C}\ddot{\text{I}}\text{C}, \text{PsC}\ddot{\text{I}}\text{C}\ddot{\text{r}}\text{PIP}^\circ\text{PSPSC}\ddot{\text{I}}$
 $\text{C}-\text{PIP}^\circ\text{P}\pm\text{C}\ddot{\text{H}}\text{P}^\circ\text{PrP}\ddot{\text{e}}\text{PSC}\ddot{\text{r}} \text{PrC}-\text{C}, \text{C}\ddot{\text{I}}\text{Pj} (< 18 \text{C}\ddot{\text{H}}\text{PsPeC}-\text{PI}) \text{PSP}\mu \text{PrPsC}\ddot{\text{I}}\text{P}\rangle\text{C}-\text{PrP}\P\text{C}\ddot{\text{r}}\text{PIP}^\circ\text{P}\rangle\text{P}\ddot{\text{e}}.$
 $\text{P}''\text{P}^\circ\text{PSC}-\text{PIC}-\text{PrC}\ddot{\text{I}}\text{C}\ddot{\text{r}}\text{C}, \text{PSC}-.$

$\text{P}\mu\text{P}\mu\text{C}\ddot{\text{H}}\text{P}\mu\text{PrPsP} \cdot \text{C}\ddot{\text{I}}\text{PIP}^\circ\text{PSPSC}\ddot{\text{I}}.$

$\text{P}\mu\text{P}\mu\text{C}\ddot{\text{H}}\text{P}\mu\text{PrPsP} \cdot \text{C}\ddot{\text{r}}\text{PIP}^\circ\text{PSPSC}\ddot{\text{I}} \text{PjPsP}\P\text{P}\mu \text{P}\ddot{\text{i}}\text{C}\ddot{\text{H}}\text{P}\ddot{\text{e}}\text{P} \cdot \text{PIP}\mu\text{C}\ddot{\text{I}}\text{C}, \text{P}\ddot{\text{e}} \text{PrPs} \text{C}, \text{C}\ddot{\text{I}}\text{P}\P\text{PePsC}-\text{C}, \text{P}^\circ$
 $\text{C}, \text{C}\ddot{\text{H}}\text{P}\ddot{\text{e}}\text{PIP}^\circ\text{P}\rangle\text{PsC}-\text{P}\pm\text{C}\ddot{\text{H}}\text{P}^\circ\text{PrP}\ddot{\text{e}}\text{PeP}^\circ\text{C}\ddot{\text{H}}\text{PrC}-\text{C}- (\text{PrP}\ddot{\text{e}}\text{PI}. \text{C}\ddot{\text{H}}\text{PsP} \cdot \text{PrC}-\text{P}\rangle\text{B}\langle\text{P}\mu\text{PsP}\pm\text{C}-\text{C}\ddot{\text{I}}\text{PSC}-$
 $\text{C}\ddot{\text{H}}\text{P}\mu\text{P}^\circ\text{PeC}\ddot{\text{I}}\text{C}-\text{C}-\text{B}\rangle). \text{P}\ddot{\text{Y}}\text{C}\ddot{\text{I}}\text{P}\P\text{PeC}-\text{C}, \text{PsC}\ddot{\text{H}}\text{PjP}\ddot{\text{e}} \text{P}\pm\text{C}\ddot{\text{H}}\text{P}^\circ\text{PrP}\ddot{\text{e}}\text{PeP}^\circ\text{C}\ddot{\text{H}}\text{PrC}-\text{C}-$
 $\text{P}\ddot{\text{i}}\text{PsC}, \text{C}\ddot{\text{H}}\text{P}\mu\text{P}\pm\text{C}\ddot{\text{r}}\text{C}\ddot{\text{H}}\text{C}, \text{C}\ddot{\text{H}} \text{C}\ddot{\text{I}}\text{P}\ddot{\text{e}}\text{PjP}\ddot{\text{i}}\text{C}, \text{PsPjP}^\circ\text{C}, \text{P}\ddot{\text{e}}\text{C}\ddot{\text{I}}\text{PSPsC}-\text{C}, \text{P}\mu\text{C}\ddot{\text{H}}\text{P}^\circ\text{P}\ddot{\text{i}}\text{C}-\text{C}-\text{C}\ddot{\text{r}}$
 $\text{C}\ddot{\text{I}}\text{P}\ddot{\text{i}}\text{P}\mu\text{C}\ddot{\text{I}}\text{C}-\text{P}^\circ\text{P}\rangle\text{C}-\text{P} \cdot \text{PsPIP}^\circ\text{PSP}\ddot{\text{e}}\text{C}... \text{P} \cdot \text{P}^\circ\text{PeP}\rangle\text{P}^\circ\text{PrP}^\circ\text{C}.... \text{Pj} \text{C}\ddot{\text{H}}\text{P}^\circ\text{P} \cdot \text{C}-\text{PIP}\ddot{\text{e}}\text{PSP}\ddot{\text{e}}\text{PePSP}\mu\text{PSPSC}\ddot{\text{I}}$
 $\text{P}\pm\text{C}\ddot{\text{H}}\text{P}^\circ\text{PrP}\ddot{\text{e}}\text{PeP}^\circ\text{C}\ddot{\text{H}}\text{PrC}-\text{C}-\text{P} \cdot \text{P}\ddot{\text{i}}\text{PsPiP}^\circ\text{PSPsC}\ddot{\text{H}} \text{P}\ddot{\text{i}}\text{P}\mu\text{PjPsPrP}\ddot{\text{e}}\text{PSP}^\circ\text{PjC}-\text{C}\ddot{\text{I}}\text{PSPsC}\ddot{\text{H}}$
 $\text{P}\ddot{\text{i}}\text{P}\mu\text{C}\ddot{\text{H}}\text{P}\mu\text{PSPsC}\ddot{\text{I}}\text{P}\ddot{\text{e}}\text{PjC}-\text{C}\ddot{\text{I}}\text{C}, \text{C}\ddot{\text{H}} \text{PjPsP}\P\text{PSP}^\circ \text{C}\ddot{\text{H}}\text{PsP} \cdot \text{PiP}\rangle\text{C}\ddot{\text{I}}\text{PSC}\ddot{\text{r}}\text{C}, \text{P}\ddot{\text{e}} \text{PrPsC}\ddot{\text{I}}\text{C}-\text{P}\rangle\text{C}\ddot{\text{H}}\text{PSC}-\text{C}\ddot{\text{I}}\text{C}, \text{C}\ddot{\text{H}}$
 $\text{P} \cdot \text{P}^\circ\text{C}\ddot{\text{I}}\text{C}, \text{PsC}\ddot{\text{I}}\text{C}\ddot{\text{r}}\text{PIP}^\circ\text{PSPSC}\ddot{\text{I}} \text{PIPSC}\ddot{\text{r}}\text{C}, \text{C}\ddot{\text{H}}\text{C}-\text{C}\ddot{\text{e}}\text{PSC}\ddot{\text{H}}\text{PsPIP}\mu\text{PSPSP}\ddot{\text{e}}\text{C}... \beta-$
 $\text{C}\ddot{\text{I}}\text{C}, \text{P}\ddot{\text{e}}\text{PjC}\ddot{\text{r}}\text{P}\rangle\text{C}\ddot{\text{H}}\text{PIP}^\circ\text{P}\rangle\text{C}\ddot{\text{H}}\text{PSP}\ddot{\text{e}}\text{C}... \text{P} \cdot \text{P}^\circ\text{C}\ddot{\text{I}}\text{PsP}\pm\text{C}-\text{PI}, \text{C}, \text{P}^\circ\text{PeP}\ddot{\text{e}}\text{C}... \text{C}\ddot{\text{I}}\text{Pe}$
 $\text{C}-\text{P} \cdot \text{PsP}\ddot{\text{i}}\text{C}\ddot{\text{H}}\text{P}\mu\text{PSP}^\circ\text{P}\rangle\text{C}-\text{PS}. \text{Pj} \text{C}\ddot{\text{H}}\text{P}^\circ\text{P} \cdot \text{C}-\text{PSP}\mu\text{PsP}\pm\text{C}... \text{C}-\text{PrPSPsC}\ddot{\text{I}}\text{C}, \text{C}-\text{PjPsP}\P\text{PSP}^\circ$
 $\text{C}\ddot{\text{H}}\text{PsP} \cdot \text{PiP}\rangle\text{C}\ddot{\text{I}}\text{PSC}\ddot{\text{r}}\text{C}, \text{P}\ddot{\text{e}} \text{P}\ddot{\text{i}}\text{P}\ddot{\text{e}}\text{C}, \text{P}^\circ\text{PSPSC}\ddot{\text{I}} \text{P}\ddot{\text{i}}\text{C}\ddot{\text{H}}\text{Ps} \text{C}, \text{P}\ddot{\text{e}}\text{PjC}\ddot{\text{I}}\text{P}^\circ\text{C}\ddot{\text{I}}\text{PsPIP}\mu$
 $\text{PIP}\ddot{\text{e}}\text{PePsC}\ddot{\text{H}}\text{P}\ddot{\text{e}}\text{C}\ddot{\text{I}}\text{C}, \text{P}^\circ\text{PSPSC}\ddot{\text{I}} \text{P}\mu\text{P}\rangle\text{P}\mu\text{PeC}, \text{C}\ddot{\text{H}}\text{PsPeP}^\circ\text{C}\ddot{\text{H}}\text{PrC}-\text{PsC}\ddot{\text{I}}\text{C}, \text{P}\ddot{\text{e}}\text{PjC}\ddot{\text{r}}\text{P}\rangle\text{C}\ddot{\text{I}}\text{C}, \text{PsC}\ddot{\text{H}}\text{P}^\circ.$

$\text{P}\mu\text{PsP}\pm\text{C}-\text{C}\ddot{\text{I}}\text{PSC}-\text{C}\ddot{\text{H}}\text{P}\mu\text{P}^\circ\text{PeC}\ddot{\text{I}}\text{C}-\text{C}-.$

$\text{P}\acute{\text{K}}\text{P}^\circ\text{PN}\ddot{\text{e}}\text{C}\ddot{\text{I}}\text{P}^\circ\text{C}\ddot{\text{I}}\text{C}, \text{C}-\text{C}\ddot{\text{e}}\text{C}-\text{P}\ddot{\text{i}}\text{PsP}\pm\text{C}-\text{C}\ddot{\text{I}}\text{PSC}-\text{C}\ddot{\text{H}}\text{P}\mu\text{P}^\circ\text{PeC}\ddot{\text{I}}\text{C}-\text{C}-\text{C}-\text{PIP}^\circ\text{P}\pm\text{C}\ddot{\text{H}}\text{P}^\circ\text{PrP}\ddot{\text{e}}\text{PSC}\ddot{\text{r}} \text{B}\ddot{\text{H}}''$
 $\text{P} \cdot \text{PsC}\ddot{\text{H}}\text{PsPIC}-\text{C}, \text{P}\mu\text{PSPsPjP}\mu\text{PSP}\ddot{\text{e}} (\text{C}, \text{PsC}\ddot{\text{I}}\text{C}, \text{P}\mu\text{PSP}\ddot{\text{e}}) (14,5 \%) \text{C}, \text{P}^\circ \text{P}\pm\text{C}\ddot{\text{H}}\text{P}^\circ\text{PrP}\ddot{\text{e}}\text{PeP}^\circ\text{C}\ddot{\text{H}}\text{PrC}-\text{C}\ddot{\text{I}}$
 $(3,3 \%) \text{C}'' \text{PrPsP} \cdot \text{PsP} \cdot \text{P}^\circ\text{P}\rangle\text{P}\mu\text{P}\P\text{PSP}\ddot{\text{e}}\text{PjP}\ddot{\text{e}} \text{C}, \text{P}^\circ \text{P} \cdot \text{C}\ddot{\text{r}}\text{PjPsPIP}\rangle\text{P}\mu\text{PSC}-$
 $\text{C}, \text{P}^\circ\text{C}\ddot{\text{H}}\text{PjP}^\circ\text{PePsP}\rangle\text{PsPiC}-\text{C}\ddot{\text{I}}\text{PSPsC}\ddot{\text{H}} \text{PrC}-\text{C}''\text{C}\ddot{\text{H}} \text{P}\ddot{\text{i}}\text{C}\ddot{\text{H}}\text{P}\mu\text{P}\ddot{\text{i}}\text{P}^\circ\text{C}\ddot{\text{H}}\text{P}^\circ\text{C}, \text{C}\ddot{\text{r}}.$

$\text{P}\mu\text{C}-\text{Pr} \text{C}\ddot{\text{I}}\text{P}^\circ\text{C}\ddot{\text{I}} \text{PeP}\rangle\text{C}-\text{PSC}-\text{C}\ddot{\text{I}}\text{PSP}\ddot{\text{e}}\text{C}... \text{PrPsC}\ddot{\text{I}}\text{P}\rangle\text{C}-\text{PrP}\P\text{P}\mu\text{PSC}\ddot{\text{H}} \text{PIP}\ddot{\text{e}}\text{C}\ddot{\text{I}}\text{PIP}\rangle\text{C}\ddot{\text{I}}\text{P}\rangle\text{P}\ddot{\text{e}}\text{C}\ddot{\text{I}}\text{C}\ddot{\text{I}}$
 $\text{PSP}\ddot{\text{e}}\text{P}\P\text{C}\ddot{\text{I}}\text{P}\mu\text{P} \cdot \text{P} \cdot \text{PSP}^\circ\text{C}\ddot{\text{I}}\text{P}\mu\text{PSC}-\text{P}\ddot{\text{i}}\text{PsP}\pm\text{C}-\text{C}\ddot{\text{I}}\text{PSC}-\text{C}\ddot{\text{H}}\text{P}\mu\text{P}^\circ\text{PeC}\ddot{\text{I}}\text{C}-\text{C}-, \text{C}\ddot{\text{I}}\text{PeC}-\text{P} \cdot \text{P}^\circ$
 $\text{C}\ddot{\text{I}}\text{P}^\circ\text{C}\ddot{\text{I}}\text{C}, \text{PsC}, \text{PsC}\ddot{\text{H}} \text{C}\ddot{\text{H}}\text{PsP} \cdot \text{P}\ddot{\text{i}}\text{PsPrC}-\text{P}\rangle\text{P}\mu\text{PSC}-\text{C}, \text{P}^\circ\text{PeP}\ddot{\text{e}}\text{Pj} \text{C}\ddot{\text{I}}\text{P}\ddot{\text{e}}\text{PSPsPj}: \text{PrC}\ddot{\text{r}}\text{P}\P\text{P}\mu \text{C}\ddot{\text{I}}\text{P}^\circ\text{C}\ddot{\text{I}}\text{C}, \text{C}-$
 $(\geq 1/10); \text{C}\ddot{\text{I}}\text{P}^\circ\text{C}\ddot{\text{I}}\text{C}, \text{C}- (\text{PIC}-\text{Pr} \geq 1/100 \text{PrPs} < 1/10); \text{PSP}\mu\text{C}\ddot{\text{I}}\text{P}^\circ\text{C}\ddot{\text{I}}\text{C}, \text{C}- (\text{PIC}-\text{Pr} \geq 1/1000 \text{PrPs}$

<1/100); PīPsPsPrPēPSPsPeC- (PIC-Pr ≥1/10 000 PrPs <1/1 000); CḡC-PrPeC-CḡPSC- (<1/10 000); C‡P°CḡC,PsC,P° PSPμPIC-PrPsPjP° (PSPμPjPsP¶P»PēPIPs PIPēP·PSP°C‡PēC,Pē P·PiC-PrPSPs P·PSP°CḡPIPSsCḡ C-PSC,,PsCḡPjP°C‡C-C”Cḡ).

PḡP»P°Cḡ CḡPēCḡC,PμPjPē PsCḡPiP°PSC-PI	P§P°CḡC,PsC,P° PIPēPSPēPePSPμPSPSCḡ	PμPμCḡPμPIP°P¶PSPēPNē C,PμCḡPjC-PS
P— P±PsPeCḡ CḡPēCḡC,PμPjPē PeCḡPsPIC- C,P° P»C-PjC,,P°C,PēC‡PSPsC— CḡPēCḡC,PμPjPē	PḡPμC‡P°CḡC,C-	P•PsP·PēPSPsC,,C-P»C-Cḡ
P— P±PsPeCḡ PsP±PjC-PSCḡ CḡPμC‡PsPIPēPS, PjPμC,P°P±PsP»C-P·PjCḡ	PḡPμC‡P°CḡC,C-	P”C-PiPμCḡCḡCḡPēPePμPjC-Cḡ
PḡPμPICḡPsP»PsPiC-C‡PSC- CḡPsP·P»P°PrPē	P§P°CḡC,C-	P”PsP»PsPIPSPēPNē P±C-P»Cḡ, P·P°P·PIPēC‡P°PNē PiCḡPsC,CḡPiPsPj PiPμCḡCēPsPiPs PjC-CḡCḡC‡Cḡ P»C-PeCḡPIP°PSPSCḡ P—P°PiP°PjPsCḡPsC‡PμPSPSCḡ, PjPsP¶P»PēPIPs, PiPsPiḡḡ™ CḡP·P°PSPμ P· P±CḡP°PrPēPeP°CḡPrC-C”Cḡ
	PḡPμC‡P°CḡC,C-*	PḡPμPiCḡPēC,PsPjPSC-CḡC,Cḡ, PjPsP¶P»PēPIPs, PiPsPiḡḡ™ CḡP·P°PSP° P· P±CḡP°PrPēPeP°CḡPrC-C”Cḡ
P— P±PsPeCḡ PsCḡPiP°PSC-PI P·PsCḡCḡ	P”CḡP¶Pμ C‡P°CḡC,C-	P—PsCḡPsPIC- C,,PμPSPsPjPμPSPē (C,,PsCḡC,,PμPSPē)
	P§P°CḡC,C-	PμPsPjCḡC,PSC-PSPSCḡ P·PsCḡCḡ
	PḡPμC‡P°CḡC,C-*	P”PēPiP»PsPiC-Cḡ PμPsPiC-CḡCēPμPSPSCḡ P·PsCḡCḡ
P— P±PsPeCḡ PsCḡPiP°PSC-PI CḡP»CḡC...Cḡ C,P° PIPμCḡC,PēP±CḡP»CḡCḡPSPsPiPs P°PiP°CḡP°C,Cḡ	PḡPμC‡P°CḡC,C-	P’PμCḡC,PēPiPs
P— P±PsPeCḡ CḡPμCḡC‡Cḡ	P§P°CḡC,C-	P’CḡP°PrPēPeP°CḡPrC-Cḡ AV·P±P»PsPeP°PrP° I CḡC,CḡPiPμPSCḡ (PSP° P·PḡP” ḡḡ” PiPsPrPsPIP¶PμPSPSCḡ C-PSC,PμCḡPIP°P»Cḡ PQ) PēP»CḡPSPsC‡PePsPIP° PμPeCḡC,CḡP°CḡPēCḡC,PsP»C-Cḡ P»C-P±CḡPēP»CḡC‡C-Cḡ PiPμCḡPμPrCḡPμCḡPrCḡ
		PμP°P»CḡPiC-C,P°C‡C-Cḡ, PSP°PrCēP»CḡPSPsC‡PePsPIP° PμPeCḡC,CḡP°CḡPēCḡC,PsP»C-Cḡ, PiPsPrPsPIP¶PμPSPSCḡ C-PSC,PμCḡPIP°P»Cḡ QT PSP° P·PḡP”
		P C-PrPeC-CḡPSC-
P— P±PsPeCḡ CḡCḡPrPēPS	P§P°CḡC,C-	PḡPμPePsPSC,CḡPsP»CḡPsPIP°PSPēPNē P°CḡC,PμCḡC-P°P»CḡPSPēPNē C,PēCḡPe
	PḡPμC‡P°CḡC,C-*	P”C-PiPsC,PμPSP·C-Cḡ, PjPsP¶P»PēPIPs, PiPsPiḡḡ™ CḡP·P°PSP° P· P±CḡP°PrPēPeP°CḡPrC-C”Cḡ
P— P±PsPeCḡ PrPēC...P°P»CḡPSPsC— CḡPēCḡC,PμPjPē, PsCḡPiP°PSC-PI PiCḡCḡPrPSPsC— PeP»C-C,PePē C,P° CḡPμCḡPμPrPsCḡC,C-PSPSCḡ	PḡPμC‡P°CḡC,C-	P”PēCḡPiPSPsPμ

P— P±PsPeCf C€P»CfPSPePsPIPs- PeP€C€PePsPIPsPiPs C, CħP°PeC, Cf	PƔPμC‡P°CfC, C-	PƔCfPrPsC, P°
		P—P°PiPsCħ
		P”C-P°CħPμCı
		P’C-P»Cħ PI P°P±PrPsPjC-PSP°P»CħPSC-PN€ PrC-P»CıPSC†C-*
P— P±PsPeCf C€PeC-CħP€ C- PiC-PrC€PeC-CħPSPsC— PeP»C-C, PePsPIP€PSP€	PƔPμC‡P°CfC, C-*	PħPSPiC-PsPμPrPμPjP°
		P’P€CıP€PiP°PSPSCı
	PıPsPsPrP€PSPsPeC-*	P•CħP€C, PμPjP°
		PŸPIPμCħP±C-P¶ PљCħPsPiP€PiPı™ CıPSPeP°
P— P±PsPeCf PsPiPsCħPSPs- CħCfC...PsPIPsC— CıP€CfC, PμPjP€ C, P° CıPiPsP»CfC‡PSPsC— C, PeP°PSP€PSP€	PƔPμC‡P°CfC, C-	PњPı™ CıP·PsPIC- CıPiP°P·PjP€
P— P±PsPeCf PSP€CħPsPe C, P° CıPμC‡PsPIP€PrC-P»CħPSPsC— CıP€CfC, PμPjP€	PƔPμC‡P°CfC, C-	PıC-PrPIP€C‰PμPSPSCı CħC-PIPSCı PeCħPμC, P€PSC-PSCr Cf PeCħPsPIC-
PJCıPeP»P°PrPSPμPSPSCı P·P°PiP°P»CħPSPsPiPs C...P°CħP°PeC, PμCħCf C, P° CħPμP°PeC†C-C— Cf PjC-CıC†C- PIPIPμPrPμPSPSCı	PƔPμC‡P°CfC, C-*	PħCfC, PμPSC-Cı, PjPsP¶P»P€PIPs, PiPsPiPı™ CıP·P°PSP° P· P±CħP°PrP€PeP°CħPrC-C”Cħ
		P’C, PsPjP°, PjPsP¶P»P€PIPs, PiPsPiPı™ CıP·P°PSP° P· P±CħP°PrP€PeP°CħPrC-C”Cħ
	PıPsPsPrP€PSPsPeC-*	PƔPμP·PrCfP¶P°PSPSCı, PjPsP¶P»P€PIPs, PiPsPiPı™ CıP·P°PSPμ P· P±CħP°PrP€PeP°CħPrC-C”Cħ

* PŸP°CfC, PsC, P°, CħPsP·CħP°C...PsPIP°PSP° PSP° PsCıPSPsPIC- PeP»C-PSC-C‡PSP€C...
PIP€PiCħPsP±CıPIP°PSCħ PrP»Cı PSPμP±P°P¶P°PSP€C... CıPIP€C‰, PIP€CıPIP»PμPSP€C...
Cf CıPiPsPSC, P°PSPSP€C... PiPsPIC-PrPsPjP»PμPSPSCıC....

PħPiP€Cı PrPμCıPeP€C... PiPsP±C-C‡PSP€C... CħPμP°PeC†C-PN€.

P—PsCħPsPIC- C„PμPSPsPjPμPSP€ (C„PsCfC„PμPSP€) CıPiPsCfC, PμCħC-PiP°P»P€CfCı Cf
14,5 % PiP°C†C-C”PSC, C-PI Cf PIP€PiP»CıPrC- C, P€PjC‡P°CıPsPIPsPiPs
PiC-PrPIP€C‰PμPSPSCı CıCıP€CħP°PIPsCfC, C- PSP° PsP±PjPμP¶PμPSC-PN€
PrC-P»CıPSC†C- PiPsP»Cı P·PsCħCf. P—P°P·PIP€C‡P°PN€ C—C... PIP€PSP€PePSPμPSPSCı
P·CıPjPsPIP»PμPSPμ CħP°PiC, PsPIPsCħ P·PjC-PSPsCħ C-PSC, PμPSCıP€PIPSPsCfC, C-
CıPIC-C, P»P°. PıPsCfC„PμPSP€ C, P°PePsP¶ PsPiP€CfCfCħC, Cħ CıPe PsCħPμPsP»,
PrPμPePsPjPiPs·P€C†C-Cħ P·PsP±CħP°P¶PμPSPSCı (CfC, CħPsP±PsCıPePsPiC-C‡PSC- P°P±Ps
PeP°P»PμPN€PrPsCıPePsPiC-C‡PSC- PμC„PμPeC, P€), CıCıP€CħP°PIC- PePsP»CħPsCħPsPIC-
CıPiP°P»P°C...P€ P°P±Ps P±P°PiP°C, PsPeCħP°C, PSPμ P·PsP±CħP°P¶PμPSPSCı
(PiPμCħCıP€CfC, PμPSC†C-Cı CıC-C, PeC-PIPeP€). PıPsCfC„PμPSP€ PIP€PSP€PeP°CħC, Cħ
PiPμCħPμPIP°P¶PSPs PiCħPsC, CıPiPsPj PiPμCħC€P€C... PrPIPsC... PjC-CıCıC†C-PI
P»C-PeCıPIP°PSPSCı C, P° PjPsP¶CfC, Cħ PiPsPIC, PsCħCħPIP°C, P€CfCı PiC-P·PSC-C€Pμ.
PıPsPIC-PrPsPjP»CıP»P€ P·PrPμP±C-P»CħC€PsPiPs PiCħPs P»PμPiPeCf P°P±Ps
PiPsPjC-CħPSCr C-PSC, PμPSCıP€PIPSC-CfC, Cħ C„PsCfC„PμPSC-PI. PJCfC- C„PsCfC„PμPSP€
PjP€PSP°P»P€ PiC-Pr C‡P°Cı P»C-PeCıPIP°PSPSCı P°P±Ps PiC-CıP»Cı PN€PsPiPs
PiCħP€PiP€PSPμPSPSCı, P±C-P»CħC€C-CfC, Cħ (77,5 %) P·PSP€PeP°P»P€ PiCħPsC, CıPiPsPj
C, PμCħP°PiC-C—. PњPμPSC€Pμ 1 % PiP°C†C-C”PSC, C-PI P·PjC-PSP€P»P€
PiPsPICıCıPePrPμPSPSCr PrC-CıP»CħPSC-CfC, Cħ P°P±Ps PiCħP€PiP€PSP€P»P€
P»C-PeCıPIP°PSPSCı C‡PμCħPμP· PIP€PSP€PePSPμPSPSCı C„PsCfC„PμPSC-PI.

P’CħP°PrP€PeP°CħPrC-Cı CıPiPsCfC, PμCħC-PiP°P»P°CfCı Cf 3,3 % PiP°C†C-C”PSC, C-PI,
PsCıPsP±P»P€PIPs PiCħPsC, CıPiPsPj PiPμCħC€P€C... 2-3 PjC-CıCıC†C-PI P· PiPsC‡P°C, PeCf
P»C-PeCıPIP°PSPSCı. PŸCıP¶PeCf C„PsCħPjCf P±CħP°PrP€PeP°CħPrC-C— P· PŸPŸPŸ

PvPμCηPjC-PS PïCηPëPγP°C,PSPsCΓC,C-.

3 CḡPsPePë.

PJPjPsPIPë P·P±PμCḡC-PiP°PSPSCḡ.

PḡPμ PïPsC,CḡPμP±CḡC” PsCḡPsP±P»PëPIPëC... CḡPjPsPI P·P±PμCḡC-PiP°PSPSCḡ.
P—P±PμCḡC-PiP°C,Pë Cḡ PSPμPrPsCḡC,CḡPïPSPsPjCḡ PrP»Cḡ PrC-C,PμPNë PjC-CḡC†C-.

PJPïP°PePsPIPeP°.

PμPs 14 C,P°P±P»PμC,PsPe, PIPeCḡPëC,PëC... PïP»C-PIPePsPIPsCḡ PsP±PsP»PsPSPePsCḡ, Cḡ
P±P»C-CḡC,PμCḡC-.

PμPs 2 P°P±Ps 4 P±P»C-CḡC,PμCḡPë PI PeP°CḡC,PsPSPSC-PNë PePsCḡPsP±C†C- CḡP°P·PsPj P·
C-PSCḡC,CḡCḡPeC†C-C”Cḡ PrP»Cḡ PjPμPrPëC†PSPsPiPs P·P°CḡC,PsCḡCḡPIP°PSPSCḡ.

PḡP°C,PμPiPsCḡC-Cḡ PIC-PrPiCḡCḡPeCḡ.

P—P° CḡPμC†PμPiC,PsPj.

P’PëCḡPsP±PSPëPe.

P”PμPrPμPsPS P C-C...C,PμCḡ P CḡPjCḡPSiCḡ Pḡ.Pḡ.

**PḡC-CḡC†PμP·PSP°C...PsPrPḡPμPSPSCḡ PIPëCḡPsP±PSPëPeP° C,P° P°PrCḡPμCḡP°
PjC-CḡC†Cḡ PïCḡPsPIP°PrPḡPμPSPSCḡ PNëPsPiPs PrC-CḡP»CḡPSPsCḡC,C-.**

P’CḡP». PḡCḡP·P° P’PsPrPμ, 99-105, PḡPëCḡPiCḡ-PḡCḡCḡPμC€, PḡCḡPrPμC†Cḡ PḡCḡCḡPμC€, 540306, P CḡPjCḡPSC-Cḡ.