

**PrP»Cİ PjPµPrPëC±PSPsPiPs P·P°CÍC,PsCÍCfPIP°PSPSCİ P»C-PeP°CİCİCHPePsPiPs  
P·P°CÍPsP±Cf**

**PµPŸP†P“P”PjPh PµP PhP·PhPáP“**

**(XIGDUO PROLONG)**

**PŸPeP»P°Pr:**

**PrC-CHC±C- CİPµC±PsPIPëPSPë: PrP°PİP°PiP»C-C,,P»PsP·PëPSCf  
PiCİPsPiP°PSPrC-PsP»; PjPµC,C,,PsCİPjC-PSCf PiC-PrCİPsC...P»PsCİPëPr;**

5/1000 PjPi: 1 C,P°P±P»PµC,PeP°, PİPeCİPëC,P° PİP»C-PİPePsPiPsCİ PsP±PsP»PsSPePsCİ,  
PiCİPsP»PsSPiPsPiP°PSPsC— PrC-C— PjC-CÍC,PëC,CH PrP°PİP°PiP»C-C,,P»PsP·PëPSCf  
PiCİPsPiP°PSPrC-PsP»Cf 6,15 PjPi, C%Ps PµPePIC-PIP°P»PµPSC,PSPs 5 PjPi  
PrP°PİP°PiP»C-C,,P»PsP·PëPSCf, C,P° PjPµC,C,,PsCİPjC-PSCf PiC-PrCİPsC...P»PsCİPëPrCf  
1005,04 PjPi;

10/1000 PjPi: 1 C,P°P±P»PµC,PeP°, PİPeCİPëC,P° PİP»C-PİPePsPiPsCİ  
PsP±PsP»PsSPePsCİ, PiCİPsP»PsSPiPsPiP°PSPsC— PrC-C— PjC-CÍC,PëC,CH  
PrP°PİP°PiP»C-C,,P»PsP·PëPSCf PiCİPsPiP°PSPrC-PsP»Cf 12,30 PjPi, C%Ps  
PµPePIC-PIP°P»PµPSC,PSPs 10 PjPi PrP°PİP°PiP»C-C,,P»PsP·PëPSCf, C,P°  
PjPµC,C,,PsCİPjC-PSCf PiC-PrCİPsC...P»PsCİPëPrCf 1005,04 PjPi;

10/500 PjPi: 1 C,P°P±P»PµC,PeP°, PİPeCİPëC,P° PİP»C-PİPePsPiPsCİ PsP±PsP»PsSPePsCİ,  
PiCİPsP»PsSPiPsPiP°PSPsC— PrC-C— PjC-CÍC,PëC,CH PrP°PİP°PiP»C-C,,P»PsP·PëPSCf  
PiCİPsPiP°PSPrC-PsP»Cf 12,30 PjPi, C%Ps PµPePIC-PIP°P»PµPSC,PSPs 10 PjPi  
PrP°PİP°PiP»C-C,,P»PsP·PëPSCf, C,P° PjPµC,C,,PsCİPjC-PSCf PiC-PrCİPsC...P»PsCİPëPrCf  
502,61 PjPi;

*PrPsPiPsPjC-PİPSC- CİPµC±PsPIPëPSPë: PSP°C,CİC-Cİ*  
PeP°CİP±PsPeCİPëPjPµC,PëP»C†PµP»CHP»PsP·P°, PiC-PiCİPsPjPµP»PsP·P° 2208,  
PiC-PiCİPsPjPµP»PsP·P° 2910 (PrP»Cİ 10/500 PjPi), C†PµP»CHP»PsP·P°  
PjC-PeCİPsPeCİPëCÍC,P°P»C-C±PSP° P Pá102 (PrP»Cİ 10/500 PjPi), PeCİPµPjPSC-Cİ  
PrC-PsPeCİPëPr, PjP°PiPSC-Cİ CÍC,PµP°CİP°C,, C†PµP»CHP»PsP·P°  
PjC-PeCİPsPeCİPëCÍC,P°P»C-C±PSP° P Pá302, P»P°PeC,PsP·P° P±PµP·PiPsPrPSP°,  
PeCİPsCİPiPsPIC-PrPsPS, P±P°CİPiPSPëPe Opadry<sup>B®</sup> II Yellow 85F12372 (PrP»Cİ 10/1000 PjPi),  
P±P°CİPiPSPëPe Opadry<sup>B®</sup> II Pink 85F94333 (PrP»Cİ 10/500 PjPi), P±P°CİPiPSPëPe Opadry<sup>B®</sup> II  
Pink 85F94592 (PrP»Cİ 5/1000 PjPi).

**P»C-PeP°CİCİCHPeP° C,,PsCİPjP°.** PŸP°P±P»PµC,PePë, PİPeCİPëC,C- PİP»C-PİPePsPiPsCİ  
PsP±PsP»PsSPePsCİ, PiCİPsP»PsSPiPsPiP°PSPsC— PrC-C—.

*PhCİPSPsPiPSC- C,,C-P·PëPePs-C...C-PjC-C±PSC- PIP»P°CÍC,PëPiPsCÍC,C-:*

5/1000 PjPi: PIC-Pr CİPsPİPµPiPsPiPs PrPs C,PµPjPSPs-CİPsPİPµPiPs PePsP»CHPsCİCf,

PrPIPsPsPiCfPeP»P°, PsPIP°P»CHbPSPsC— C,,PsCḡPjPë C,P°P±P»PμC,PeP°, PIPeCḡPëC,P°  
PİP»C-PIPePsPIPsCḡ PsP±PsP»PsPSPePsCḡ, P· PiCḡP°PIC-CḡCfPIP°PSPSCİPj B B«1071B» C-  
B«5/1000B» P· PsPrPSC-C”C— CḡC,PsCḡPsPSPë C,P° PİP»PsCḡPeP° P· C-PSC€PsC—  
CḡC,PsCḡPsPSPë.

10/500 PjPi: CḡPsP¶PμPIPsPiPs PePsP»CHbPsCḡCf, PrPIPsPsPiCfPeP»P°,  
PeP°PiCḡCfP»PsPiPsPrC-P±PSPsC— C,,PsCḡPjPë C,P°P±P»PμC,PeP°, PIPeCḡPëC,P°  
PİP»C-PIPePsPIPsCḡ PsP±PsP»PsPSPePsCḡ, P· PiCḡP°PIC-CḡCfPIP°PSPSCİPjB B«1072B»B  
C-B B«10/500B» P· PsPrPSC-C”C— CḡC,PsCḡPsPSPë C,P° PİP»PsCḡPeP° P· C-PSC€PsC—  
CḡC,PsCḡPsPSPë.

10/1000 PjPi: PIC-Pr P¶PsPIC,PsPiPs PrPs C,PμPjPSPs-P¶PsPIC,PsPiPs PePsP»CHbPsCḡCf,  
PrPIPsPsPiCfPeP»P°, PsPIP°P»CHbPSPsC— C,,PsCḡPjPë C,P°P±P»PμC,PeP°, PIPeCḡPëC,P°  
PİP»C-PIPePsPIPsCḡ PsP±PsP»PsPSPePsCḡ, P· PiCḡP°PIC-CḡCfPIP°PSPSCİPj B«1073B» C,P°  
B«10/1000B» P· PsPrPSC-C”C— CḡC,PsCḡPsPSPë C,P° PİP»PsCḡPeP° P· C-PSC€PsC—  
CḡC,PsCḡPsPSPë.

**P»P°CḡPjP°PePsC,PμCḡP°PİPμPIC,PëC±PSP° PiCḡCfPİP°.** P—P°CḡPsP±Pë PrP»Cİ  
P»C-PeCfPIP°PSPSCİ CḡCfPeCḡPsPIPsPiPs PrC-P°P±PμC,Cf. P»PμC,C,,PsCḡPjC-PS PI  
PePsPjP±C-PSP°CḡC— P· PrP°PİP°PiP»C-C,,P»PsP·PëPSPsPj. P»PsPr ATX A10B D15.

**P»P°CḡPjP°PePsP»PsPiC-C±PSC- PIP»P°CḡC,PëPIPsCḡC,C-.**

*P»PμC...P°PSC-P·Pj PrC-C—*

*P»CḡC-PiPrCzPs PμCḡPsP»PsPSPi*

P»CḡC-PiPrCfPs PμCḡPsP»PsPSPi PİPsC”PrPSCfC” PI CḡPsP±C- PrPIP°  
PiC-PİPsPiP»C-PePμPjC-C±PSC- P·P°CḡPsP±Pë P· PjPμC...P°PSC-P·PjP°PjPë PrC-C—, C%oPs  
PrPsPiPsPIPsCḡCḡC,CHb PsPrPëPS PsPrPSPsPiPs, PrP»Cİ PİPsP»C-PiC€PμPSPSCİ  
PePsPSC,CḡPsP»Cḡ PiP»C-PePμPjC-C— Cḡ PİP°CḡC—PSC,C-PI P· CḡCfPeCḡPsPIPëPj  
PrC-P°P±PμC,PsPj 2-PiPs C,PëPİCf: PrP°PİP°PiP»C-C,,P»PsP·PëPS, C-PSPiC-P±C-C,PsCḡ  
PSP°C,CḡC-PNëPiP»CḡPePsP·PSPsPiPs PePsC,CḡP°PSCİPİPsCḡC,PμCḡP° 2-PiPs C,PëPİCf  
(C-PkP—P»PjP”-2), C- PjPμC,C,,PsCḡPjC-PSCf PiC-PrCḡPsC...P»PsCḡPëPr, P±C-PiCfP°PSC-Pr.

*P”P°PİP°PiP»C-C,,P»PsP·PëPS*

PkP°C,CḡC-PNëP·P°P»PμP¶PSPëPNë PePsC,CḡP°PSCİPİPsCḡC,PμCḡ PiP»CḡPePsP·Pë 2-PiPs  
C,PëPİCf (PkP—P»PjP”-2), CİPePëPNë PμPeCḡPiCḡPμCḡCfC”C,CHbCḡCİ PI  
PİCḡPsPeCḡPëPjP°P»CHbPSPëC... PSPëCḡPePsPIPëC... PeP°PSP°P»CHbCḡCİC...,  
PIC-PrPİPsPIC-PrP°C” P·P° CḡPμP°P±CḡPsCḡP±CḡCḡ P±C-P»CHbC€PsC— C±P°CḡC,PëPSPë  
PIC-PrC,,C-P»CHbC,CḡPsPIP°PSPsC— PiP»CḡPePsP·Pë P· PİCḡPsCḡPIC-C,Cf  
PeP°PSP°P»CHbCḡC-PI. P”P°PİP°PiP»C-C,,P»PsP·PëPS C” C-PSPiC-P±C-C,PsCḡPsPj  
PkP—P»PjP”-2. PëP»CİC...PsPj C-PSPiC-P±CfPIP°PSPSCİ PkP—P»PjP”-2  
PrP°PİP°PiP»C-C,,P»PsP·PëPS P·PjPμPSC€CfC” CḡPμP°P±CḡPsCḡP±CḡCḡ  
PIC-PrC,,C-P»CHbC,CḡPsPIP°PSPsC— PiP»CḡPePsP·Pë C- P·PSPëP¶CfC” PSPëCḡPePsPIPëPNë  
PİPsCḡC-Pi PrP»Cİ PiP»CḡPePsP·Pë, C,PëPj CḡP°PjPëPj P·P±C-P»CHbC€CfC”  
PμPeCḡPeCḡPμCḡCḡ PiP»CḡPePsP·Pë C-P· CḡPμC±PμCḡ. P”P°PİP°PiP»C-C,,P»PsP·PëPS  
C,P°PePsP¶ P·PSPëP¶CfC” CḡPμP°P±CḡPsCḡP±CḡCḡ PSP°C,CḡC-Cḡ C,P°

P·P±C-P»CHC€CfC" PrPsCfC,P°PIPeCf PSP°C,CfC-Cf PrPs PrPëCfC,P°P»CHPSPëC...  
PSPëCfPePsPIPëC... PeP°PSP°P»CHC†C-PI. PjPµ PjPsP¶Pµ PIPiP»PëPIP°C,Pë PSP°  
PrPµPeC-P»CHPeP° C,,C-P·C-PsP»PsPiC-C†PSPëC... C,,CfPSPeC†C-PNë, PIPeP»CfC†PSPs P·C-  
P·PSPëP¶PµPSPSC¶Pj C¶Pe PïPµCfPµPr-, C,P°Pe C- PïPsCfC,PSP°PIP°PSC,P°P¶PµPSPSC¶ PSP°  
CfPµCfC†Pµ C,P° P·PjPµPSC€PµPSPSC¶Pj CfPëPjPiP°C,PëC†PSPsC— P°PeC,PëPIPSPsCfC,C-.

*PµPµC,C,,PsCfPjC-PSCé PiC-PrCfPµC...P»PsCfPëPr*

PµPµC,C,,PsCfPjC-PS C" PiC-PïPsPiP»C-PePµPjC-C†PSPëPj P·P°CfPsP±PsPj, C¶PePëPNë  
PïPsPeCfP°C%oCfC" C,PsP»PµCfP°PSC,PSC-CfC,CH PrPs PiP»CfPePsP·Pë Cf  
PiP°C†C-C"PSC,C-PI P· C†CfPeCfPsPIPëPj PrC-P°P±PµC,PsPj 2-PiPs C,PëPiCf,  
P·PSPëP¶CfCfC†Pë P±P°P·P°P»CHPSPëPNë C,P° PïPsCfC,PiCfP°PSPrC-P°P»CHPSPëPNë  
CfC-PIPSC- PiP»CfPePsP·Pë PI PiP»P°P·PjC- PeCfPsPIC-. PµPµC,C,,PsCfPjC-PS P·PSPëP¶CfC"  
CfPëPSC,PµP· PiP»CfPePsP·Pë PI PiPµC†C-PSC†C-, P·PSPëP¶CfC" PICfPjPsPeC,CfPIP°PSPSC¶  
PiP»CfPePsP·Pë PI PePëC€PeC-PIPSPëPeCf PNë PiC-PrPIPëC%oCfC" C†CfC,P»PëPIC-CfC,CH PrPs  
C-PSCfCfP»C-PSCr C€P»C¶C...PsPj PïPsCfPëP»PµPSPSC¶ PïPµCfPëC,,PµCfPëC†PSPsPiPs  
P·P°C...PsPiP»PµPSPSC¶ PNë CfC,PëP»C-P·P°C†C-C— PiP»CfPePsP·Pë. PµC-Pr C†P°Cf  
P»C-PeCfPIP°PSPSC¶ PjPµC,C,,PsCfPjC-PSPsPj CfPµPeCfPµC†C-C¶ C-PSCfCfP»C-PSCr PSPµ  
P·PjC-PSCfC"C,CHCfC¶, PIPsPrPSPsC†P°Cf CfC-PIPµPSCf C-PSCfCfP»C-PSCr PSP°C,C%oPµ  
C,P° PrPsP±PsPIPµ P·PSP°C†PµPSPSC¶ PiP»P°P·PjPsPIPsPiPs CfC-PIPSC¶ C-PSCfCfP»C-PSCr  
PjPsP¶CfC,CH P·PSPëP·PëC,PëCfC¶.

Pα°CfPjP°PePsPrPëPSP°PjC-PeP°.

*P—P°PiP°P»CHPSP° C-PSC,,PsCfPjP°C†C-C¶*

*P"°PiP°PiP»C-C,,P»PsP·PëPS*

Pj P·PrPsCfPsPIPëC... CfC†P°CfPSPëPeC-PI PrPsCfP»C-PrP¶PµPSPSC¶ C,P°  
PiP°C†C-C"PSC,C-PI P· C†CfPeCfPsPIPëPj PrC-P°P±PµC,PsPj 2-PiPs C,PëPiCf PiC-CfP»C¶  
P·P°CfC,PsCfCfPIP°PSPSC¶ PrP°PiP°PiP»C-C,,P»PsP·PëPSCr CfPiPsCfC,PµCfC-PiP°P»PsCfC¶  
P·P±C-P»CHC€PµPSPSC¶ PeC-P»CHPePsCfC,C- PiP»CfPePsP·Pë, PIPëPIPµPrPµPSPsC— C-P·  
CfPµC†PµCf. PµCfPëP±P»PëP·PSPs 70 Pi PiP»CfPePsP·Pë PIPëPIPsPrPëP»PsCfC¶ C-P·  
CfPµC†PµCf P·P° PrPsP±Cf PiCfPë P·P°CfC,PsCfCfPIP°PSPSC- PrP°PiP°PiP»C-C,,P»PsP·PëPSCr  
PI PrPsP·C- 5 P°P±Ps 10 PjPi PSP° PrPsP±Cf Cf PiP°C†C-C"PSC,C-PI P· C†CfPeCfPsPIPëPj  
PrC-P°P±PµC,PsPj 2-PiPs C,PëPiCf PiCfPsC,C¶PiPsPj 12 C,PëP¶PSC-PI. PµP°PNëP¶Pµ  
PjP°PeCfPëPjP°P»CHPSPµ PIPëPIPµPrPµPSPSC¶ PiP»CfPePsP·Pë  
CfPiPsCfC,PµCfC-PiP°P»PsCfC¶ PI CfP°P·C- P·P°CfC,PsCfCfPIP°PSPSC¶  
PrP°PiP°PiP»C-C,,P»PsP·PëPSCr PI PrPsP±PsPIC-PNë PrPsP·C- 20 PjPi. PÿP°PePµ  
PIPëPIPµPrPµPSPSC¶ PiP»CfPePsP·Pë P· CfPµC†PµCf PiCfPë P·P°CfC,PsCfCfPIP°PSPSC-  
PrP°PiP°PiP»C-C,,P»PsP·PëPSCr C,P°PePsP¶ PiCfPëP·PIPsPrPëC,CH PrPs  
P·P±C-P»CHC€PµPSPSC¶ PsP±b¶C"™PjCf CfPµC†C- (PrPëPI. CfPsP·PrC-P»  
B«PµPsP±C-C†PSC- CfPµP°PeC†C-C—B»). PµC-CfP»C¶ PiCfPëPiPëPSPµPSPSC¶  
P·P°CfC,PsCfCfPIP°PSPSC¶ PrP°PiP°PiP»C-C,,P»PsP·PëPSCr PiC-PrPIPëC%oPµPSPëPNë  
PïPsPeP°P·PSPëPe PIPëPIPµPrPµPSPSC¶ PiP»CfPePsP·Pë PïPsPIPµCfC,P°C"C,CHCfC¶ PrPs  
PIPëC...C-PrPSPsPiPs CfC-PIPSC¶ PI CfPµCfPµPrPSCfPsPjCf P·P° 3 PrPSC-, C¶PeC%oPs  
PrPsP·P° PrP°PiP°PiP»C-C,,P»PsP·PëPSCr CfC,P°PSPsPIPëP»P° 10 PjPi.

*PµP°CfPrC-PsPµP»PµPeC,CfPµC,,C-P·C-PsP»PsPiC-C¶*

PJ PrPsCfP»C-PrP¶PµPSPSC- P·P° CíC±P°CfC,Ch P·PrPsCfPsPIPëC... PsCfC-P±  
P·P°CfC,PsCfCfPIP°PSPSC¶ PrP°PïP°PiP»C-C,,P»PsP·PëPSCr PSPµ P±CfP»Ps  
PïPsPIb¶™ C¶P·P°PSPs P· PeP»C-PSC-C±PSPs P·PSP°C±CfC%PëPj PïPsPrPsPIP¶PµPSPSC¶Pj  
C-PSC,PµCfPIP°P»Cf QTc Cí C¶P°P·C- P·P°CfC,PsCfCfPIP°PSPSC¶ P»C-PeP°CfCfCHPePsPiPs  
P·P°CfPsP±Cf PI PrPsP±PsPIPëC... PrPsP·P°C... PrPs 150 PjPi (PrPsP·P°, C¶PeP° Cí 15  
C¶P°P·C-PI PïPµCfPµPIPëC%CfPIP°P»P° PjP°PeCfPëPjP°P»CHPSCr  
C¶PµPePsPjPµPSPPrPsPIP°PSCr PrPsP·Cf). PµCfC-Pj C,PsPiPs, PeP»C-PSC-C±PSPs  
P·PSP°C±CfC%PsPiPs PIPïP»PëPICr PSP° C-PSC,PµCfPIP°P» QTc PSPµ  
CfPiPsCfC,PµCfC-PiP°P»PsCfC¶ PiC-CfP»C¶ P·P°CfC,PsCfCfPIP°PSPSC¶ P·PrPsCfPsPIPëPjPë  
PrPsP±CfPsPIPsP»CHC†C¶PjPë PrP°PïP°PiP»C-C,,P»PsP·PëPSCr PI C¶P°P·PsPIPëC...  
PrPsP·P°C... PrPs 500 PjPi (PrPsP·P°, C¶PeP° PI 50 C¶P°P·C-PI PïPµCfPµPIPëC%CfPIP°P»P°  
PjP°PeCfPëPjP°P»CHPSCr C¶PµPePsPjPµPSPPrPsPIP°PSCr PrPsP·Cf).

PαP°CfPjP°PePsPeC-PSPµC,PëPeP°.

*PµCfC-PiPrCzPs PµCfPsP»PsPSPi*

P—P°CfC,PsCfCfPIP°PSPSC¶ P»C-PeP°CfCfCHPePsPiPs P·P°CfPsP±Cf PµCfC-PiPrCfPs  
PµCfPsP»PsPSPi P·PrPsCfPsPIPëPjPë PrPsP±CfPsPIPsP»CHC†C¶PjPë PiC-CfP»C¶  
CfC,P°PSPPrP°CfC,PSPsPiPs PiC¶PëPNëPsPjCf C—P¶C- PïPsCfC-PIPSC¶PSPs P·  
PiC¶PëPNëPsPjPsPj PSP°C,C%Pµ P·P°P±PµP·PiPµC±CfC” PsPrPSP°PePsPIPëPNë CfC,CfPiC-PSCH  
PµPeCfPiPsP·PëC†C-C— PrP°PïP°PiP»C-C,,P»PsP·PëPSCr C,P° PjPµC,C,,PsCfPjC-PSCr  
PiC¶PsP»PsPSPiPsPIP°PSPsC— PrC-C—. PµPsCfC-PIPSC¶PSPs C-P·  
P·P°CfC,PsCfCfPIP°PSPSC¶Pj P»C-PeP°CfCfCHPePsPiPs P·P°CfPsP±Cf PSP°C,C%Pµ, Cí  
C¶P°P·C- PNëPsPiPs P·P°CfC,PsCfCfPIP°PSPSC¶ PiC-Pr C±P°Cf CfC,P°PSPPrP°CfC,PSPsPiPs  
PiC¶PëPNëPsPjCf C—P¶C- CfPiPsCfC,PµCfC-PiP°C”C,CHCfC¶ P·PjPµPSC¶PµPSPSC¶  
PjP°PeCfPëPjP°P»CHPSPsC— PePsPSC†PµPSC,C¶P°C†C-C— PrP°PïP°PiP»C-C,,P»PsP·PëPSCr PI  
PïP»P°P·PjC- PeC¶PsPIC- PSP° 35 % C,P° P·P°C,C¶PëPjPeP° PSP° 1b¶”2 PiPsPrPëPSPë C—C—  
PrPsCfC¶PiPSPµPSPSC¶. PÿP°PePëPNë PIPïP»PëPI PiC¶PëPNëPsPjCf C—P¶C- PSPµ  
PIPIP°P¶P°C”C,CHCfC¶ PeP»C-PSC-C±PSPs P·PSP°C±CfC%PëPj. PµC¶PëPNëPsPj C—P¶C- PSPµ  
C±PëPSPëC,CH C-CfC,PsC,PSPsPiPs PIPïP»PëPICr PSP° C,,P°C¶PjP°PePsPeC-PSPµC,PëPeCf  
PjPµC,C,,PsCfPjC-PSCr Cí C¶P°P·C- PNëPsPiPs P·P°CfC,PsCfCfPIP°PSPSC¶ Cí CfPeP»P°PrC-  
PePsPjP±C-PSPsPIP°PSPsPiPs P»C-PeP°CfCfCHPePsPiPs P·P°CfPsP±Cf PµCfC-PiPrCfPs  
PµCfPsP»PsPSPi, C,P°P±P»PµC,PsPe, PIPeC¶PëC,PëC... PïP»C-PIPePsPIPsCh  
PsP±PsP»PsPSPePsCh, PiC¶PsP»PsPSPiPsPIP°PSPsC— PrC-C—.

*P’CfPjPsPeC,CzPIP°PSPSC¶*

*P”P°PïP°PiP»C-C,,P»PsP·PëPS*

PµC-CfP»C¶ PïPµCfPsC¶P°P»CHPSPsPiPs P·P°CfC,PsCfCfPIP°PSPSC¶  
PjP°PeCfPëPjP°P»CHPSP° PePsPSC†PµPSC,C¶P°C†C-C¶ (C<sub>max</sub>) PrP°PïP°PiP»C-C,,P»PsP·PëPSCr PI  
PïP»P°P·PjC- PeC¶PsPIC-, C¶Pe PiC¶P°PIPëP»Ps, PrPsCfC¶PiP°C”C,CHCfC¶ PiC¶PsC,C¶PiPsPj  
2 PiPsPrPëPS PiC-CfP»C¶ PiC¶PëPNëPsPjCf P»C-PeP°CfCfCHPePsPiPs P·P°CfPsP±Cf  
PSP°C,C%Pµ. Pj C¶P°P·C- PiC-PrPIPëC%PµPSPSC¶ PrPsP·Pë PrP°PïP°PiP»C-C,,P»PsP·PëPSCr PI  
PrC-P°PïP°P·PsPSC- C,PµC¶P°PïPµPIC,PëC±PSPëC... PrPsP· P·PSP°C±PµPSPSC¶ C<sub>max</sub> C- AUC  
P·P±C-P»CHC€CfChC,CHCfC¶ PiC¶PsPiPsC¶C†C-PNëPSPs P·P±C-P»CHC€PµPSPSC¶ PrPsP·Pë.  
P¶P±CfPsP»ChC,PSP° P±C-PsPrPsCfC,CfPiPSC-CfC,CH PrP°PïP°PiP»C-C,,P»PsP·PëPSCr  
PiC-CfP»C¶ PïPµCfPsC¶P°P»CHPSPsPiPs P·P°CfC,PsCfCfPIP°PSPSC¶  
P»C-PeP°CfCfCHPePsPiPs P·P°CfPsP±Cf PI PrPsP·C- 10 PjPi CfC,P°PSPsPIPëC,CH 78 %.

P—P°CÍC,PsCÍCíPIP°PSPSCÍ P»C—PeP°CĤCÍCHPePsPiPs P·P°CÍPsP±Cí P· C—P¶PµCĤ P·  
 PIPëCÍPsPePëPj PIPjC—CÍC,PsPj P¶PëCĤC—PI P·PSPëP¶CíC” C<sub>max</sub> PrP°PíP°PiP»C—C,,P»PsP·PëPSCí  
 PSP° 50 % C— PíPsPrPsPIP¶CíC” PíPsPeP°P·PSPëPe T<sub>max</sub> PíCĤPëP±P»PëP·PSPs PSP°  
 1 PiPsPrPëPSCí, P°P»Pµ PSPµ P·PjC—PSCĤC” PíPsPeP°P·PSPëPe AUC PíPsCĤC—PIPSCÍPSPs P·  
 PíCĤPëPñPsPjPsPj P»C—PeP°CĤCÍCHPePsPiPs P·P°CÍPsP±Cí PSP°C,C%Pµ. PíC— P·PjC—PSPë  
 PSPµ PIPIP°P¶P°CĤC,CHCÍCÍ PëP»C—PSC—C±PSPs P·PSP°C±CíC%PëPjPë C—  
 PrP°PíP°PiP»C—C,,P»PsP·PëPS PjPsP¶PSP° P·P°CÍC,PsCÍPsPICíPIP°C,Pë PSPµP·P°P»PµP¶PSPs  
 PIC—Pr PíCĤPëPñPsPjCí C—P¶C—.

*PĥPµC,C,,PsCĤPjC—PSCé PiC—PrCĤPsC...P»PsCĤPëPr*

PµC—CÍP»CÍ PsPrPSPsCĤP°P·PsPIPsPiPs PíPµCĤPsCĤP°P»CHPSPsPiPs PíCĤPëPñPsPjCí  
 PjPµC,C,,PsCĤPjC—PSCí PíCĤPsP»PsPSPiPsPIP°PSPsC— PrC—C— PjPµPrC—P°PSP°  
 PrPsCÍCÍPIPSµPSPSCÍ C<sub>max</sub> PrPsCĤC—PIPSCĤC” 7 PiPsPrPëPSP°Pj C,P° PjP°C”  
 PrC—P°PíP°P·PsPS PIC—Pr 4 PrPs 8 PiPsPrPëPS. PĤC,CíPíC—PSCĤ PICÍPjPsPeC,CíPIP°PSPSCÍ  
 PjPµC,C,,PsCĤPjC—PSCí (P·P° PíPsPeP°P·PSPëPePsPj AUC) Cí CĤP°P·C— PíCĤPëPñPsPjCí  
 PjPµC,C,,PsCĤPjC—PSCí PíCĤPsP»PsPSPiPsPIP°PSPsC— PrC—C— Cí PIPëPiP»CÍPrC—  
 C,P°P±P»PµC,PsPe PíC—PrPIPëC%CíC”C,CHCÍCÍ PíCĤPëP±P»PëP·PSPs PSP° 50 % PíCĤPë  
 PíCĤPëPñPsPjC— P· C—P¶PµCĤ. P’PíP»PëPICí C—P¶C— PSP° C<sub>max</sub> C— T<sub>max</sub> PjPµC,C,,PsCĤPjC—PSCí  
 PSPµ CíPiPsCÍC,PµCĤC—PiP°P»PsCÍCÍ.

## ***P PsP·PíPsPrC—P»***

*P”P°PíP°PiP»C—C,,P»PsP·PëPS*

P”P°PíP°PiP»C—C,,P»PsP·PëPS P·PIBĤ™ CÍP·CíC”C,CHCÍCÍ P· P±C—P»PeP°PjPë  
 PíCĤPëP±P»PëP·PSPs PSP° 91 %. Pj PíP°C†C—C”PSC,C—PI P· PíPsCĤCíC€PµPSPSCÍPjPë  
 C,,CíPSPeC†C—C— PSPëCĤPsPe P°P±Ps PíPµC±C—PSPePë P·PIBĤ™ CÍP·CíPIP°PSPSCÍ  
 P»C—PeP°CĤCÍCHPePsPiPs P·P°CÍPsP±Cí P· P±C—P»PeP°PjPë PSPµ P·PjC—PSCĤC”C,CHCÍCÍ.

*PĥPµC,C,,PsCĤPjC—PSCé PiC—PrCĤPsC...P»PsCĤPëPr*

P”PsCÍP»C—PrP¶PµPSPSCÍ CĤPsP·PíPsPrC—P»Cí PjPµC,C,,PsCĤPjC—PSCí  
 PíCĤPsP»PsPSPiPsPIP°PSPsC— PrC—C— PSPµ PíCĤPsPIPsPrPëP»PëCÍCÍ; PíCĤPsC,Pµ  
 PíC—CÍP»CÍ PsPrPSPsCĤP°P·PsPIPsPiPs PíPµCĤPsCĤP°P»CHPSPsPiPs  
 P·P°CÍC,PsCÍCíPIP°PSPSCÍ PjPµC,C,,PsCĤPjC—PSCí PePsCĤPsC,PePsC— PrC—C— Cí PrPsP·C—  
 850 PjPi PñPsPiPs CíCÍPIPSëPñ PsP±BĤ™ C”Pj CĤPsP·PíPsPrC—P»Cí (V/F) CÍC,P°PSPsPIPëPI Cí  
 CíPµCĤPµPrPSCĤPsPjCí 654 B± 358 P». PĥPµC,C,,PsCĤPjC—PS PSPµP·PSP°C±PSPsCĤ  
 PjC—CĤPsCĤ P·PIBĤ™ CÍP·CíC”C,CHCÍCÍ P· P±C—P»PeP°PjPë PíP»P°P·PjPë PeCĤPsPIC—, PSP°  
 PIC—PrPjC—PSCí PIC—Pr CÍCíP»CHC,,PsPSC—P»CíPµC±PsPIPëPSPë, CÍC,CíPíC—PSCĤ  
 P·PIBĤ™ CÍP·CíPIP°PSPSCÍ P· P±C—P»PeP°PjPë CÍPePsC— CÍC,P°PSPsPIPëC,CH  
 P±C—P»CHC€Pµ 90 %. PĥPµC,C,,PsCĤPjC—PS PíCĤPsPSPëPeP°C” PI PµCĤPëC,CĤPsC†PëC,Pë.

## ***PĥPµC,P°P±PsP»C—P·Pj***

*P”P°PíP°PiP»C—C,,P»PsP·PëPS*

PĥPµC,P°P±PsP»C—P·Pj PrP°PíP°PiP»C—C,,P»PsP·PëPSCí  
 PsPíPsCÍPµCĤPµPrPePsPICíC”C,CHCÍCÍ PíPµCĤPµPIP°P¶PSPs UGT1A9; PjPµC,P°P±PsP»C—P·Pj,  
 PsPíPsCÍPµCĤPµPrPePsPIP°PSPëPñ CYP, Cí P»CĤPrPµPñ PSPµP·PSP°C±PSPëPñ.  
 P”P°PíP°PiP»C—C,,P»PsP·PëPS C—PSC,PµPSCÍPëPIPS PjPµC,P°P±PsP»C—P·CíC”C,CHCÍCÍ  
 PSP°CÍP°PjPíPµCĤPµPr P· CíC,PIPsCĤPµPSPSCÍPj PrP°PíP°PiP»C—C,,P»PsP·PëPSCí 3-O-

PiP»CĤPeCřCĤPsPSC-PrCř, C%Ps C" PSPµP°PeC,PëPIPSPëPj PjPµC,P°P±PsP»C-C,PSPj.  
P"°P°PiP°PiP»C-C,,P»PsP·PëPSCř 3-Pĥ-PiP»CĤPeCřCĤPsPSC-Pr CřC,P°PSPsPIPëC,CH 61 % PIC-Pr  
PrPsP·Pë [14PŸ]-PrP°PiP°PiP»C-C,,P»PsP·PëPSCř 50 PjPi C- C" PiPµCĤPµPIP°P¶P°CĤC†PëPj Cř  
PiP»P°P·PjC- PeCĤPsPIC- P»CĤPrPëPSPë PePsPjPiPsPSPµPSC,PSPj, PiPsPIĤĤ™ CĬP·P°PSPëPj P·  
P»C-PeP°CĤCřCĤPePëPj P·P°CřPsP±PsPj.

*PĥPµC,C,,PsCĤPjC-PSCž PiC-PrCĤPsC...P»PsCĤPëPr*

P"°P°CřP»C-PrP¶PµPSPSCĬ P· PIPSCřC,CĤC-CĖPSCĤPsPIPµPSPSPëPj PIPiPµPrPµPSPSCĬPj  
PsPrPSPsCĤP°P·PsPIPsC— PrPsP·Pë P·PrPsCĤPsPIPëPj PrPsP±CĤPsPIPsP»CHC†CĬPj  
PiPsPeP°P·P°P»Pë, C%Ps PjPµC,C,,PsCĤPjC-PS PµPeCřPeCĤPµC,CřC"C,CHCřCĬ Cř  
PSPµP·PjC-PSPµPSPsPjCř PIPëPiP»CĬPrC- P· CřPµC†PµCĤ C,P° PSPµ PiC-PrPrP°C"C,CHCřCĬ  
PjPµC,P°P±PsP»C-P·PjCř PI PiPµC†C-PSC†C- (Cř P»CĤPrPµPNë PSPµ P±CřP»Ps  
PIPëCĬPIP»PµPSPs PSC-CĬPePëC... PjPµC,P°P±PsP»C-C,C-PI) P°P±Ps PIPëPIPµPrPµPSPSCĤ P·  
P¶PsPIC†CĤ.

P"°P°CřP»C-PrP¶PµPSPSCĬ PjPµC,P°P±PsP»C-P·PjCř PjPµC,C,,PsCĤPjC-PSCř  
PiCĤPsP»PsSPiPsPIP°PSPsC— PrC-C— Cř CĤP°P·C- P·P°CřC,PSCřCřPIP°PSPSCĬ  
P»C-PeP°CĤCřCĤPePsPiPs P·P°CřPsP±Cř PI C,P°P±P»PµC,PeP°C... PSPµ  
PiCĤPsPIPsPrPëP»PëCřCĬ.

## **P'PëPIPµPrPµPSPSCĬ**

*P"°P°PiP°PiP»C-C,,P»PsP·PëPS*

P"°P°PiP°PiP»C-C,,P»PsP·PëPS C- PiPsPIĤĤ™ CĬP·P°PSC- P· PSPëPj PjPµC,P°P±PsP»C-C,Pë PI  
PsCřPSPsPIPSpPjCř PIPëPIPsPrCĬC,CHCřCĬ CĖP»CĬC...PsPj PµPeCřPeCĤPµC†C-C— C-P·  
CřPµC†PµCĤ. PµC-CřP»CĬ P·P°CřC,PSCřCřPIP°PSPSCĬ [14PŸ]-PrP°PiP°PiP»C-C,,P»PsP·PëPSCř  
PI CĤP°P·PsPIC-PNë PrPsP·C- 50 PjPi 75 % C- 21 % P·P°PiP°P»CHPSPsC—  
CĤP°PrC-PsP°PeC,PëPIPSpSCřC,C- PIPëPIPsPrPëC,CHCřCĬ PIC-PrPiPsPIC-PrPSPs C-P·  
CřPµC†PµCĤ C,P° PeP°P»PsPj. P†P· CřPµC†PµCĤ PjPµPSCĖPµ 2 % PrPsP·Pë  
P»C-PeP°CĤCřCĤPePsPiPs P·P°CřPsP±Cř PIPëPIPsPrPëC,CHCřCĬ Cř PSPµP·PjC-PSPµPSPsPjCř  
PIPëPiP»CĬPrC-. P— PeP°P»PsPj Cř PSPµP·PjC-PSPµPSPsPjCř PIPëPiP»CĬPrC-  
PIPëPIPsPrPëC,CHCřCĬ PiCĤPëP±P»PëP·PSPs 15 % PrPsP·Pë P»C-PeP°CĤCřCĤPePsPiPs  
P·P°CřPsP±Cř. PŸPµCĤPµPrPSC-PNë PeC-PSC†PµPIPëPNë PiPµCĤC-PsPr  
PSP°PiC-PIPIPëPIPµPrPµPSPSCĬ PrP°PiP°PiP»C-C,,P»PsP·PëPSCř P· PiP»P°P·PjPë PeCĤPsPIC-  
(t<sub>1/2</sub>) CřC,P°PSPsPIPëC,CH PiCĤPëP±P»PëP·PSPs 12,9 PiPsPrPëPSPë PiC-CřP»CĬ  
PsPrPSPsCĤP°P·PsPIPsPiPs PiPµCĤPsCĤP°P»CHPSPsPiPs PiCĤPëPNëPsPjCř  
PrP°PiP°PiP»C-C,,P»PsP·PëPSCř PI PrPsP·C- 10 PjPi.

*PĥPµC,C,,PsCĤPjC-PSCž PiC-PrCĤPsC...P»PsCĤPëPr*

PĥPëCĤPePsPIPëPNë PeP»C-CĤPµPSCř PjPµC,C,,PsCĤPjC-PSCř PiPµCĤPµPIPëC%CrC"  
PeP»C-CĤPµPSCř PeCĤPµP°C,PëPSC-PSCř PiCĤPëP±P»PëP·PSPs PI 3,5 CĤP°P·P°, C%Ps  
PIPeP°P·CřC" PSP° PeP°PSP°P»CHC†PµPICř CřPµPeCĤPµC†C-CĤ CĬPe PSP° PsCřPSPsPIPSpëPNë  
CĖP»CĬC... PµP»C-PjC-PSP°C†C-C— PjPµC,C,,PsCĤPjC-PSCř. PµC-CřP»CĬ  
PiPµCĤPsCĤP°P»CHPSPsPiPs P·P°CřC,PSCřCřPIP°PSPSCĬ PjPµC,C,,PsCĤPjC-PSCř  
PiCĤPëP±P»PëP·PSPs 90 % P»C-PeP°CĤCřCĤPePsPiPs P·P°CřPsP±Cř, C%Ps  
PICřPjPsPeC,P°PICřCĬ, PIPëPIPsPrPëC,CHCřCĬ PSPëCĤPeP°PjPë PiCĤPsC,CĬPiPsPj  
PiPµCĤCĖPëC... 24 PiPsPrPëPS. PµPµCĤC-PsPr PSP°PiC-PIPIPëPIPµPrPµPSPSCĬ P· PiP»P°P·PjPë  
PeCĤPsPIC- CřC,P°PSPsPIPëC,CH P±P»PëP·CHPePs 6,2 PiPsPrPëPSPë. PµPµCĤC-PsPr  
PSP°PiC-PIPIPëPIPµPrPµPSPSCĬ C-P· PeCĤPsPIC- CřC,P°PSPsPIPëC,CH PiCĤPëP±P»PëP·PSPs

17,6 PiPsPrPëPSPë, C%Ps PIPeP°P·CfC" PSP° PjPsP¶P»PëPICf CfC±P°CfC,CH  
PµCjPëC,CjPsCtPëC,C-PI PI CjPsP»C- PrPµPiPs CjPsP·PiPsPrC-P»Cf  
P»C-PeP°CjCfCHPePsPiPs P·P°CfPsP±Cf.

*PkPeCjPµPjC- PiCjCzPiPë PiP°CtC-C"PSC,C-PI*

*PµP°CtC-C"PSC,Pë P· PiPsCjCzCεPµPSPSC¶Pj C,,CzPSPeCtC-C— PSPëCjPsPe*

*P"°PiP°PiP»C-C,,P»PsP·PëPS*

PµCjPë CjC-PIPSsPIP°P¶PSC-PNë PePsPSCtPµPSC,CjP°CtC-C— P»C-PeP°CjCfCHPePsPiPs  
P·P°CfPsP±Cf (20 PjPi PrP°PiP°PiP»C-C,,P»PsP·PëPSCf PsPrPëPS CjP°P· PSP° PrPsP±Cf  
PiCjPsC,C¶PiPsPj 7 PrPSC-PI) PiP°CtC-C"PSC,Pë P· CtCfPeCjPsPIPëPj PrC-P°P±PµC,PsPj 2-PiPs  
C,PëPiCf C,P° P· PiPsCjCfCεPµPSPSC¶PjPë C,,CfPSPeCtC-C— PSPëCjPsPe P»PµPiPePsPiPs,  
PiPsPjC-CjPSPsPiPs P°P±Ps C,C¶P¶PePsPiPs CfC,CfPiPµPSC¶ (C%Ps P±CfP»Ps  
PIPëP·PSP°CtPµPSPs P·P° CjPsP·CjP°C...PsPIP°PSPsCf CεPIPëPrPeC-CfC,CH  
PeP»CfP±PsCtPePsPIPsC— C,,C-P»CHC,CjP°CtC-C— (CjPëPµPα)) PjP°P»Pë  
PiPµPsPjPµC,CjPëCtPSC- CfPµCjPµPrPSC- P·PSP°CtPµPSPSC¶ CfPëCfC,PµPjPSPsC—  
PµPeCfPiPsP·PëCtC-C— PrP°PiP°PiP»C-C,,P»PsP·PëPSCf, C¶PeC- P±CfP»Pë PIPëC%PëPjPë PSP°  
45 %, PI 2,04 C- 3,03 CjP°P·P° PIC-PrPiPsPIC-PrPSPs, PSC-P¶ P°PSP°P»PsPiC-CtPSC-  
PiPsPeP°P·PSPëPePë Cf PiP°CtC-C"PSC,C-PI P· CtCfPeCjPsPIPëPj PrC-P°P±PµC,PsPj 2-PiPs  
C,PëPiCf P· PSPsCjPjP°P»CHPSPsCf C,,CfPSPeCtC-C"Cf PSPëCjPsPe. P'PëC%P°  
CfPëCfC,PµPjPSP° PµPeCfPiPsP·PëCtC-C¶ PrP°PiP°PiP»C-C,,P»PsP·PëPSCf Cf  
PiP°CtC-C"PSC,C-PI P· CtCfPeCjPsPIPëPj PrC-P°P±PµC,PsPj 2-PiPs C,PëPiCf C,P° P·  
PiPsCjCfCεPµPSPSC¶PjPë C,,CfPSPeCtC-C— PSPëCjPsPe PSPµ PiCjPëP·PiPsPrPëP»P° PrPs  
PIPëC%PsC— PrPsP±PsPIPsC— PµPeCfPeCjPµCtC-C— PiP»CHPePsP·Pë. P"PsP±PsPIP°  
PµPeCfPeCjPµCtC-C¶ PiP»CHPePsP·Pë P· CfPµCtPµCf PiCjPë CjC-PIPSsPIP°P¶PSC-PNë  
PePsPSCtPµPSC,CjP°CtC-C— P»C-PeP°CjCfCHPePsPiPs P·P°CfPsP±Cf Cf PiP°CtC-C"PSC,C-PI  
P· CtCfPeCjPsPIPëPj PrC-P°P±PµC,PsPj 2-PiPs C,PëPiCf C,P° P· PiPsCjCfCεPµPSPSC¶PjPë  
C,,CfPSPeCtC-C— PSPëCjPsPe P»PµPiPePsPiPs, PiPsPjC-CjPSPsPiPs P°P±Ps C,C¶P¶PePsPiPs  
CfC,CfPiPµPSC¶ P±CfP»P° PIC-PrPiPsPIC-PrPSPs PSP° 42 %, 80 % C- 90 % PSPëP¶CtPsCf,  
PSC-P¶ Cf PiP°CtC-C"PSC,C-PI P· CtCfPeCjPsPIPëPj PrC-P°P±PµC,PsPj 2-PiPs C,PëPiCf P·  
PSPsCjPjP°P»CHPSPsCf C,,CfPSPeCtC-C"Cf PSPëCjPsPe. P'PiP»PëPI PiPµPjPsPrC-P°P»C-P·Cf  
PSP° PµPeCfPiPsP·PëCtC-Cf PrP°PiP°PiP»C-C,,P»PsP·PëPSCf PSPµPIC-PrPsPjPëPNë (PrPëPI.  
CjPsP·PrC-P»Pë B«PÿPiPsCfC-P± P·P°CfC,PsCfCfPIP°PSPSC¶ C,P° PrPsP·PëB»,  
B«PhCfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSC¶B» C,P° PiC-PrCjPsP·PrC-P»  
B«P—P°CfC,PsCfCfPIP°PSPSC¶ PsCfPsP±P»PëPIPëPj PiCjCfPiP°Pj PiP°CtC-C"PSC,C-PIB»).

*PkPµC,C,,PsCjPjC-PSCz PiC-PrCjPsC...P»PsCjPëPr*

Pj PiP°CtC-C"PSC,C-PI P·C- P·PSPëP¶PµPSPsCf C,,CfPSPeCtC-C"Cf PSPëCjPsPe PiPµCjC-PsPr  
PSP°PiC-PIPIPëPIPµPrPµPSPSC¶ PjPµC,C,,PsCjPjC-PSCf P· PiP»P°P·PjPë PeCjPsPIC- C,P°  
PeCjPsPIC- PiPsPrPsPIP¶CfC"C,CHCfC¶ C- P·PSPëP¶CfC"C,CHCfC¶ PSPëCjPePsPIPëPNë  
PeP»C-CjPµPSCf (PrPëPI. CjPsP·PrC-P»Pë B«PµCjPsC,PëPiPsPeP°P·P°PSPSC¶B» C,P°  
B«PhCfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSC¶B»).

*PµP°CtC-C"PSC,Pë P· PiPsCjCzCεPµPSPSC¶Pj C,,CzPSPeCtC-C— PiPµCtC-PSPePë*

*P"°PiP°PiP»C-C,,P»PsP·PëPS*

Pj PiP°CtC-C"PSC,C-PI P· PiPsCjCfCεPµPSPSC¶Pj C,,CfPSPeCtC-C— PiPµCtC-PSPePë  
P»PµPiPePsPiPs P°P±Ps PiPsPjC-CjPSPsPiPs CfC,CfPiPµPSC¶ (PeP»P°Cf Pk C- P' P·P°

PeP»P°CÍPëC,,C-PeP°C†C-C"CH PŞP°PNëP»PrP° Bḡ“ PḡBḡ™CH) CÍPµCḡPµPrPSC-  
PİPsPeP°P·PSPëPePë C<sub>max</sub> C- AUC PrP°PİP°PiP»C-C,,P»PsP·PëPSCr P±CfP»Pë  
PIC-PrPİPsPIC-PrPSPs PSP° 12 % C- 36 % PIPëC%oPëPjPë PİPsCḡC-PIPSCİPSPs P·  
PİPsPeP°P·PSPëPeP°PjPë PİC-PrC-P±CḡP°PSPëC... P·P° PİPµPIPSPëPjPë PİP°CḡP°PjPµC,CḡP°PjPë  
P·PrPsCḡPsPIPëC... CÍC†P°CÍPSPëPeC-PI PrPsCÍP»C-PrP¶PµPSPSCİ PI  
PePsPSC,CḡPsP»CHPSC-PNë PiCḡCfPİC- PİC-CÍP»Cİ CḡP°P·PsPIPsPiPs  
P·P°CÍC,PscÍCfPIP°PSPSCİ PrP°PİP°PiP»C-C,,P»PsP·PëPSCr PI PrPsP·C- 10 PjPi. PİC-  
PIC-PrPjC-PSPSPsCÍC,C- PSPµ CḡPsP·PiP»CİPrP°P»PëCÍCİ CİPe PeP»C-PSC-C†PSPs  
P·PSP°C†CfC%oC-. PJ PİP°C†C-C"PSC,C-PI P· PİPsCḡCfC€PµPSPSCİPjPë C,,CfPSPeC†C-C—  
PİPµC†C-PSPePë C,CİP¶PePsPiPs CÍC,CfPİPµPSCİ (PeP»P°CÍ PŸ P·P°  
PeP»P°CÍPëC,,C-PeP°C†C-C"CH PŞP°PNëP»PrP° Bḡ“ PḡBḡ™CH) CÍPµCḡPµPrPSC-  
PİPsPeP°P·PSPëPePë C<sub>max</sub> C- AUC PrP°PİP°PiP»C-C,,P»PsP·PëPSCr P±CfP»Pë  
PIC-PrPİPsPIC-PrPSPs PSP° 40 % C- 67 % PIPëC%oPëPjPë PİPsCḡC-PIPSCİPSPs P·  
PİPsPeP°P·PSPëPeP°PjPë PİC-PrC-P±CḡP°PSPëC... P·P° PİPµPIPSPëPjPë PİP°CḡP°PjPµC,CḡP°PjPë  
P·PrPsCḡPsPIPëC... CÍC†P°CÍPSPëPeC-PI PrPsCÍP»C-PrP¶PµPSPSCİ PI  
PePsPSC,CḡPsP»CHPSC-PNë PiCḡCfPİC-.

*PḡPµC,C,,PsCḡPjC-PSCž PiC-PrCḡPsC...P»PsCḡPëPr*

PαP°CḡPjP°PePsPeC-PSPµC,PëC†PSC- PrPsCÍP»C-PrP¶PµPSPSCİ PjPµC,C,,PsCḡPjC-PSCr P·P°  
CÍC†P°CÍC,CH PİP°C†C-C"PSC,C-PI P· PİPsCḡCfC€PµPSPSCİPjPë C,,CfPSPeC†C-C—  
PİPµC†C-PSPePë PSPµ PİCḡPsPIPsPrPëP»PëCÍCİ (PrPëPI. CḡPsP·PrC-P»  
B«PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PscÍCfPIP°PSPSCİB»).

*PµP°C†C-C"PSC,Pë P»C-C,PSCHPsPiPs PIC-PeCž*

*P"°PİP°PiP»C-C,,P»PsP·PëPS*

P—P° PrP°PSPëPjPë PİPsPiCfP»CİC†C-PNëPSPsPiPs C,,P°CḡPjP°PePsPeC-PSPµC,PëC†PSPsPiPs  
P°PSP°P»C·P·Cf PIC-Pe PSPµ PjP°C" PeP»C-PSC-C†PSPs P·PSP°C†CfC%oPsPiPs PİPİP»PëPICr  
PSP° CÍPëCÍC,PµPjPSCr PµPeCÍPİPsP·PëC†C-CH PrP°PİP°PiP»C-C,,P»PsP·PëPSCr; C,P°PePëPj  
C†PëPSPsPj, PePsCḡPµPeC†C-Cİ PrPsP·Pë P»C-PeP°CḡCÍCHPePsPiPs P·P°CÍPsP±Cf PSPµ  
PİPsC,CḡC-P±PSP°.

*PḡPµC,C,,PsCḡPjC-PSCž PiC-PrCḡPsC...P»PsCḡPëPr*

P"¶CİPeC- PrP°PSC-, PsC,CḡPëPjP°PSC- CÍ C...PsPrC- PİCḡPsPIPµPrPµPSPSCİ  
PePsPSC,CḡPsP»CHPSPİP°PSPëC... C,,P°CḡPjP°PePsPeC-PSPµC,PëC†PSPëC...  
PrPsCÍP»C-PrP¶PµPSCH PjPµC,C,,PsCḡPjC-PSCr P·P° CÍC†P°CÍC,CH P·PrPsCḡPsPIPëC...  
PsCÍC-P± P»C-C,PSCHPsPiPs PIC-PeCf, CÍPIC-PrC†P°C,CH PİCḡPs C,Pµ, C%oPs  
P·P°PİP°P»CHPSPëPNë PİP»P°P·PjPsPIPëPNë PeP»C-CḡPµPSCr PjPµC,C,,PsCḡPjC-PSCr  
P·PSPëP¶CfC"C,CHCÍCİ, PİPµCḡC-PsPr PSP°PİC-PIPİPëPIPµPrPµPSPSCİ  
P»C-PeP°CḡCÍCHPePsPiPs P·P°CÍPsP±Cf PİPsPrPsPIP¶CfC"C,CHCÍCİ C- C<sub>max</sub>  
P·P±C-P»CHC€CfC"C,CHCÍCİ PİPsCḡC-PIPSCİPSPs P· P°PSP°P»PsPiC-C†PSPëPjPë  
PİPsPeP°P·PSPëPeP°PjPë CÍ P·PrPsCḡPsPIPëC... PsCÍC-P± PjPsP»PsPrC€PsPiPs PIC-PeCf.

PŸP°PePëPj C†PëPSPsPj, P·PjC-PSP° C,,P°CḡPjP°PePsPeC-PSPµC,PëPePë PjPµC,C,,PsCḡPjC-PSCr P·  
PIC-PePsPj, PİPµCḡC€ P·P° PICÍPµ, PİPsCİCÍPSCḡC"C,CHCÍCİ P·PjC-PSPsCH  
C,,CfPSPeC†C-C— PSPëCḡPsPe.



## **РμРμРrC-Р°C,СҢРёC±PSP° PīPsPīCfP»CЦC†C-СЦ**

РᄡP°СҢРјP°PePsPeC-PSPμC,PePeP° P»C-PeP°СҢCfCHPePsPiPs P·P°CfPsP±Cf PᄡCfC-PiPrCfPs  
PμСҢPsP»PsPSPi PI PīPμPrC-Р°C,СҢРёC±PSC-PNᄡ PīPsPīCfP»CЦC†C-C— PSPμ  
PIPёPIC±P°P»P°CfCH.

## **РҮC,Р°C,СҢ**

*P''P°PīP°PiP»C-C,,P»PsP·PёPS*

P—P° PrP°PSPёPjPё PīPsPīCfP»CЦC†C-PNᄡPSPsPiPs C,,P°СҢРјP°PePsPeC-PSPμC,РёC±PSPsPiPs  
P°PSP°P»C-P·Cf CfC,P°C,СҢ PīP°C†C-C''PSC,P° PSPμ PjP°C'' PeP»C-PSC-C±PSPs  
P·PSP°C±CfC%PsPiPs PIPiP»PёPICf PSP° CfPёCfC,PμPjPSCf PμPeCfPīPsP·РёC†C-СҢ  
PrP°PīP°PiP»C-C,,P»PsP·PёPSCf; C,P°PePёPj C±PёPSPsPj, PePsСҢРμPeC†C-СЦ PrPsP·Pё  
P»C-PeP°СҢCfCHPePsPiPs P·P°CfPsP±Cf PSPμ PīPsC,СҢC-P±PSP°.

*PᄡPμC,C,,PsСҢРјC-PSCz PiC-PrСҢPsC...P»PsСҢРёPr*

PᄡP°СҢРјP°PePsPeC-PSPμC,РёC±PSC- PīP°СҢР°PjPμC,СҢРё PjPμC,C,,PsСҢРјC-PSCf Cf  
P·PrPsСҢPsPIPёC... PsCfC-P± C- PīP°C†C-C''PSC,C-PI P· C†CfPeСҢPsPIPёPj PrC-P°P±PμC,PsPj 2-  
PiPs C,PёPīCf CfCfC,C,C''PIPs PSPμ PIC-PrСҢC-P·PSCЦP»PёCfCЦ PīC-Pr C±P°Cf  
PīСҢPsPIPμPrPμPSPSCЦ P°PSP°P»C-P·Cf PrP°PSPёC... P·P° PsP·PSP°PePsCҢ CfC,P°C,C-  
(C±PsP»PsPIC-PePё 19, PҢC-PSPePё = 16). PᄡСҢC-Pj C,PsPiPs, PI  
PePsPSC,СҢPsP»CHPsPIP°PSPёC... PeP»C-PSC-C±PSPёC... PrPsCfP»C-PrPҢPμPSPSCЦC... Cf  
PīP°C†C-C''PSC,C-PI P· C†CfPeСҢPsPIPёPj PrC-P°P±PμC,PsPj 2-PiPs C,PёPīCf  
PiC-PīPsPiP»C-PePμPjC-C±PSPёPNᄡ PμC,,PμPeC, PjPμC,C,,PsСҢРјC-PSCf P±CfPI  
PīPsСҢC-PIPSЦPSPSPёPj Cf C±PsP»PsPIC-PeC-PI C- PҢC-PSPsPe.

## **Р P°CfPsPIP° PSP°P»PμPҢPSC-CfC,СҢ**

*P''P°PīP°PiP»C-C,,P»PsP·PёPS*

P—P° PrP°PSPёPjPё PīPsPīCfP»CЦC†C-PNᄡPSPsPiPs C,,P°СҢРјP°PePsPeC-PSPμC,РёC±PSPsPiPs  
P°PSP°P»C-P·Cf СҢP°CfPsPIP° PSP°P»PμPҢPSC-CfC,СҢ PīP°C†C-C''PSC,P°  
B (PīСҢРμPrCfC,P°PIPSPёPePё C''PICҢPsPīPμPsC—PrPSPsC—, PSPμPiСҢPsC—PrPSPsC—  
СҢP°CfPё P°P±Ps P°P·C-P°C,CfCHPePsPiPs PīPsC...PsPrPҢPμPSPSCЦ) PSPμ PjP°C''  
PeP»C-PSC-C±PSPs P·PSP°C±CfC%PsPiPs PIPiP»PёPICf PSP° CfPёCfC,PμPjPSCf  
PμPeCfPīPsP·РёC†C-СҢ PrP°PīP°PiP»C-C,,P»PsP·PёPSCf; C,P°PePёPj C±PёPSPsPj,  
PePsСҢРμPeC†C-СЦ PrPsP·Pё P»C-PeP°СҢCfCHPePsPiPs P·P°CfPsP±Cf PSPμ  
PīPsC,СҢC-P±PSP°.

*PᄡPμC,C,,PsСҢРјC-PSCz PiC-PrСҢPsC...P»PsСҢРёPr*

P''PsCfP»C-PrPҢPμPSPSCЦ C,,P°СҢРјP°PePsPeC-PSPμC,РёC±PSPёC... PīP°СҢР°PjPμC,СҢC-PI  
PjPμC,C,,PsСҢРјC-PSCf P·P°P»PμPҢPSPs PIC-Pr СҢP°CfPsPIPsC— PSP°P»PμPҢPSPsCfC,C-  
PīP°C†C-C''PSC,P° PSPμ PīСҢPsPIPsPrPёP»PёCfCЦ. Pj C...PsPrC- PīСҢPsPIPμPrPμPSPSCЦ  
PePsPSC,СҢPsP»CHPsPIP°PSPёC... PeP»C-PSC-C±PSPёC... PrPsCfP»C-PrPҢPμPSCҢ  
P·P°CfC,PsCfCfPIP°PSPSCЦ PjPμC,C,,PsСҢРјC-PSCf PīP°C†C-C''PSC,P°Pj P· C†CfPeСҢPsPIPёPj  
PrC-P°P±PμC,PsPj 2-PiPs C,PёPīCf PiC-PīPsPiP»C-PePμPjC-C±PSPёPNᄡ PμC,,PμPeC, P±CfPI  
PīPsСҢC-PIPSЦPSPSPёPj Cf PīСҢРμPrCfC,P°PIPSPёPeC-PI C''PICҢPsPīPμPsC—PrPSPsC—  
(n = 249), PSPμPiСҢPsC—PrPSPsC— (n = 51) СҢP°CfPё C,P° PIPёC...C-PrC†C-PI P·  
P>P°C,PёPSCfCHPePsC— PᄡPjPμСҢРёPePё (n = 24).

$P'P\ddot{P}P \gg P\ddot{P}PI \text{ } P_S P_T P S P_S C \ddagger P^\circ C \dot{I} P S P_S \text{ } P \cdot P^\circ C \dot{I} C, P_S C \dot{I} P_S P I C \dot{I} P I P^\circ P S P \ddot{P} C \dots P \gg C - P e P^\circ C \dot{I} C \dot{I} C H P e P \ddot{P} C \dots$   
 $P \cdot P^\circ C \dot{I} P_S P \pm C - P I \text{ } P S P^\circ \text{ } P \ddot{P} P \gg P^\circ P \cdot P j P_S P I C \dot{I} C \dot{I} P \ddot{P} C \dot{I} C, P_\mu P j P S C \dot{I} C \text{ } P_\mu P e C \dot{I} P i P_S P \cdot P \ddot{P} C \dot{I} C - C \dot{I}$   
 $P j P_\mu C, C_{,,} P_S C \dot{I} P j C - P S C \dot{I} C$

|                                                                                                    |                                    |                                    |                      |
|----------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|----------------------|
| PhPrPSPSc†P°CÍPSPs                                                                                 | PhPμC,C,,PsCḡPjC-PS                | PhPμC,C,,PsCḡPjC-PS                |                      |
| P·P°CÍC,PsCÍPsPIC†PIP°PSPëPNë(CḡPμP¶PëPj                                                           |                                    |                                    |                      |
| P»C-PeP°CḡCÍCHPePëPNë                                                                              | PrPsP·C†PIP°PSPSCİı)*P—PjC-PSP°    | P—PjC-PSP°                         |                      |
| P·P°CÍC-P±                                                                                         | PİPsPeP°P·PSPëPeC-PI <sup>Бґ</sup> | PİPsPeP°P·PSPëPeC-PI <sup>Бґ</sup> |                      |
| (CḡPμP¶PëPj                                                                                        | AUC <sup>БґҮ</sup>                 | C <sub>max</sub>                   |                      |
| PrPsP·C†PIP°PSPSCİı)*                                                                              |                                    |                                    |                      |
| <i>PлPsCḡPëPiCžPIP°PSPSCİı PrPsP·Pë PSPμ PIPëPjP°PiP°P»PsCÍCİı PrP»Cİı C,P°PePëC...</i>            |                                    |                                    |                      |
| <i>P»C-PeP°CḡCÍCHPePëC... P·P°CÍPsP±C-PI:</i>                                                      |                                    |                                    |                      |
| P«P»C-P±C†CḡPëPr (5 PjPi)                                                                          | 850 PjPi                           | ↓ 9 % <sup>Б§</sup>                | ↓ 7 % <sup>Б§</sup>  |
| PαC†CḡPsCÍPμPjC-Pr (40 PjPi)                                                                       | 850 PjPi                           | ↑ 15 % <sup>Б§</sup>               | ↑ 22 % <sup>Б§</sup> |
| PќC-C,,PμPrPëPiC-PS (10 PjPi)                                                                      | 850 PjPi                           | ↑ 9 %                              | ↑ 20 %               |
| PұCḡPsPiCḡP°PSPsP»PsP» (40 PjPi)                                                                   | 850 PjPi                           | ↓ 10 %                             | ↓ 6 %                |
| P†P±C†PİCḡPsC,,PμPS (400 PjPi)                                                                     | 850 PjPi                           | ↑ 5 % <sup>Б§</sup>                | ↑ 7 % <sup>Б§</sup>  |
| <i>P&gt;C-PeP°CḡCÍCHPeC- P·P°CÍPsP±Pë, CİPeC- PIPëPIPsPrCİC,CHCÍCİı PSPëCḡPeP°PjPë</i>             |                                    |                                    |                      |
| <i>CєP»CİC...PsPj PeP°PSP°P»CHC†PμPIPsC— CÍPμPeCḡPμC†C-C—, PjPsP¶CžC,CH</i>                        |                                    |                                    |                      |
| <i>PİPsCÍPëP»CḡPIP°C,Pë PeCžPjCžP»CİC†C-Cḡ PjPμC,C,,PsCḡPjC-PSCž (PrPëPI. CḡPsP·PrC-P»</i>         |                                    |                                    |                      |
| <i>B«P'P·P°C" PjPsPrC-Cİ P· C-PSCєPëPjPë P»C-PeP°CḡCÍCHPePëPjPë P·P°CÍPsP±P°PjPë C,P° C-PSCєC-</i> |                                    |                                    |                      |
| <i>PIPëPrPë PIP·P°C" PjPsPrC-PNëB»).</i>                                                           |                                    |                                    |                      |
| PİPëPjPμC,PëPrPëPS (400 PjPi)                                                                      | 850 PjPi                           | ↑ 40 %                             | ↑ 60 %               |

\* PhPμC,C,,PsCḡPjC-PS C- PICÍC- PsPrPSPSc†P°CÍPSPs P·P°CÍC,PsCÍPsPIC†PIP°PSC-  
P»C-PeP°CḡCÍCHPeC- P·P°CÍPsP±Pë P·P°CÍC,PsCÍPsPIC†PIP°P»PëCÍCİı C† PIPëPiP»CİPrC-  
CḡP°P·PsPIPëC... PrPsP·.

<sup>Бґ</sup> P'C-PrCÍPsC,PePsPIP° P·PjC-PSP° (P-/P±PμP· PsPrPSPSc†P°CÍPSPsPiPs  
P·P°CÍC,PsCÍC†PIP°PSPSCİı P»C-PeP°CḡCÍCHPePsPiPs P·P°CÍPsP±C† C- P±PμP· P·PjC-PSPë =  
0 %); ↑ C- ↓ PIPeP°P·C†CḡC,CH PIC-PrPİPsPIC-PrPSPs PSP° P·P±C-P»CHCєPμPSPSCİı C-  
P·PjPμPSCєPμPSPSCİı PμPeCÍPİPsP·PëC†C-C—.

<sup>БґҮ</sup> AUC = AUC(INF) (PİP»PsC%oP° PİC-Pr PeCḡPëPIPsCḡ PePsPSC†PμPSC,CḡP°C†C-Cİı/C†P°CÍ,  
PμPeCÍC,CḡP°PİPsP»CHPsPIP°PSP° PrPs PSPμCÍPeC-PSC†PμPSPSPsCÍC,C-).

<sup>Б§</sup> PŸPİC-PIPIC-PrPSPScєPμPSPSCİı CÍPμCḡPμPrPSC-C... P°CḡPëC,,PjPμC,PëC†PSPëC...  
P·PSP°C†PμPSCḡ.

*P'PİP»PëPI PjPμC,C,,PsCḡPjC-PSCž PSP° C-PSCєC- P»C-PeP°CḡCÍCHPeC- P·P°CÍPsP±Pë*

Pj C,P°P±P»PëC†C- PSPëP¶C†Pμ PİCḡPμPrCÍC,P°PIP»PμPSC- PμC,,PμPeC,Pë  
PjPμC,C,,PsCḡPjC-PSC† PSP° C-PSCєC- PsPrPSPSc†P°CÍPSPs P·P°CÍC,PsCÍPsPIC†PIP°PSC-  
P»C-PeP°CḡCÍCHPeC- P·P°CÍPsP±Pë.

## ***PŸP°P±P»PëC†Cİ 2***

***P'PİP»PëPI PjPμC,C,,PsCḡPjC-PSCž PSP° CÍPëCÍC,PμPjPSCž***  
***PμPeCÍPİPsP·PëC†C-Cḡ PsPrPSPSc†P°CÍPSPs***  
***P·P°CÍC,PsCÍPsPICžPIP°PSPëC... P»C-PeP°CḡCÍCHPePëC...***  
***P·P°CÍPsP±C-PI***

|                                                                                      |                      |                                           |                                    |
|--------------------------------------------------------------------------------------|----------------------|-------------------------------------------|------------------------------------|
| PhPrPSPSc†P°CÍPSPs                                                                   | PhPμC,C,,PsCḡPjC-PS  | PhPrPSPSc†P°CÍPSPs                        |                                    |
| P·P°CÍC,PsCÍPsPICrPIP°PSPëPN <sub>2</sub> (CḡPμP¶PëPj                                |                      | P·P°CÍC,PsCÍPsPICrPIP°PSPëPN <sub>2</sub> |                                    |
| P»C-PeP°CḡCÍCHPePëPN <sub>2</sub>                                                    | PrPsP·CfPIP°PSPSCİ)* | P»C-PeP°CḡCÍCHPePëPN <sub>2</sub>         | P·P°CÍC-P±                         |
| P·P°CÍC-P±                                                                           |                      | P—PjC-PSP°                                | P—PjC-PSP°                         |
| (CḡPμP¶PëPj                                                                          |                      | PİPsPeP°P·PSPëPeC-PI <sup>Bḡ</sup>        | PİPsPeP°P·PSPëPeC-PI <sup>Bḡ</sup> |
| PrPsP·CfPIP°PSPSCİ)*                                                                 |                      | AUC <sup>Bḡ</sup>                         | C <sub>max</sub>                   |
| <i>PμPsCḡPëPiCžPIP°PSPSCİ PrPsP·Pë PSPμ PIPëPjP°PiP°P»PsCÍCİ PrP»Cİ C,P°PePëC...</i> |                      |                                           |                                    |
| <i>P»C-PeP°CḡCÍCHPePëC... P·P°CÍPsP±C-PI:</i>                                        |                      |                                           |                                    |
| P“P»C-P±CfCḡPëPr (5 PjPi)                                                            | 850 PjPi             | ↓ 22 % <sup>Bḡ</sup>                      | ↓ 37 % <sup>Bḡ</sup>               |
| PαCfCḡPsCÍPμPjC-Pr (40 PjPi)                                                         | 850 PjPi             | ↓ 12 % <sup>Bḡ</sup>                      | ↓ 31 % <sup>Bḡ</sup>               |
| PkC-C,,PμPrPëPiC-PS (10 PjPi)                                                        | 850 PjPi             | ↑ 10 % <sup>B¶</sup>                      | ↑ 8 %                              |
| PμCḡPsPiCḡP°PSPsP»PsP» (40 PjPi)                                                     | 850 PjPi             | ↑ 1 % <sup>B¶</sup>                       | ↑ 2 %                              |
| P†P±CfPiCḡPsC,,PμPS (400 PjPi)                                                       | 850 PjPi             | ↓ 3 % <sup>#</sup>                        | ↑ 1 % <sup>#</sup>                 |
| PİPëPjPμC,PëPrPëPS (400 PjPi)                                                        | 850 PjPi             | ↓ 5 % <sup>B¶</sup>                       | ↑ 1 %                              |

\* PhPμC,C,,PsCḡPjC-PS C- PICÍC- PsPrPSPSc†P°CÍPSPs P·P°CÍC,PsCÍPsPICrPIP°PSC-  
P»C-PeP°CḡCÍCHPeC- P·P°CÍPsP±Pë P·P°CÍC,PsCÍPsPICrPIP°P»PëCÍCİ Cr PIPëPiP»CİPrC-  
CḡP°P·PsPIPëC... PrPsP·.

<sup>Bḡ</sup> P'C-PrCÍPsC,PePsPIP° P·PjC-PSP° (P-/P±PμP· PsPrPSPSc†P°CÍPSPsPiPs  
P·P°CÍC,PsCÍCfPIP°PSPSCİ P»C-PeP°CḡCÍCHPePsPiPs P·P°CÍPsP±Cf C- P±PμP· P·PjC-PSPë =  
0 %); ↑ C- ↓ PIPeP°P·CfCḡC,CH PIC-PrPİPsPIC-PrPSPs PSP° P·P±C-P»CHC€PμPSPSCİ C-  
P·PjPμPSC€PμPSPSCİ PμPeCÍPiPsP·PëC†C-C—.

<sup>Bḡ</sup> AUC = AUC(INF) (PiP»PsC%P° PiC-Pr PeCḡPëPIPsCḡ PePsPSC†PμPSC,CḡP°C†C-Cİ/C†P°CÍ,  
PμPeCÍC,CḡP°PiPsP»CHPsPIP°PSP° PrPs PSPμCÍPeC-PSC†PμPSPSPsCÍC,C-), CİPeC%Ps PSPμ  
PIPeP°P·P°PSPs C-PSC€Pμ.

<sup>Bḡ</sup> PŸPiC-PIPIC-PrPSPsC€PμPSPSCİ CÍPμCḡPμPrPSC-C... P°CḡPëC,,PjPμC,PëC†PSPëC...  
P·PSP°C†PμPSCḡ, p-P·PSP°C†PμPSPSCİ CḡC-P·PSPëC†C- <0,05.

<sup>B¶</sup> P—PSP°C†PμPSPSCİ AUC (0–24 PiPsPr) (PiP»PsC%P° PiC-Pr PeCḡPëPIPsCḡ  
PePsPSC†PμPSC,CḡP°C†C-Cİ/C†P°CÍ P· PjPsPjPμPSC,Cf PIPiPμPrPμPSPSCİ  
P»C-PeP°CḡCÍCHPePsPiPs P·P°CÍPsP±Cf B PrPs 24-C— PiPsPrPëPSPë), PiCḡPs CİPeC-  
PiPsPIC-PrPsPjP»CİP»PsCÍCİ.

<sup>#</sup> PŸPiC-PIPIC-PrPSPsC€PμPSPSCİ CÍPμCḡPμPrPSC-C... P°CḡPëC,,PjPμC,PëC†PSPëC...  
P·PSP°C†PμPSCḡ.

## **P'PiP»PëPI C-PSC€PëC... P»C-PeP°CḡCÍCHPePëC... P·P°CÍPsP±C-PI PSP° PrP°PiP°PiP»C-C,,P»PsP·PëPS**

Pj C,P°P±P»PëC†C- PSPëP¶C†Pμ PiCḡPμPrCÍC,P°PIP»PμPSC- PμC,,PμPeC,Pë  
PsPrPSPSc†P°CÍPSPs P·P°CÍC,PsCÍPsPICrPIP°PSPëC... P»C-PeP°CḡCÍCHPePëC...  
P·P°CÍPsP±C-PI PSP° PrP°PiP°PiP»C-C,,P»PsP·PëPS. PhPsCḡPμPeC†C-Cİ PrPsP·Pë  
PrP°PiP°PiP»C-C,,P»PsP·PëPSCr PSPμ PiPsC,CḡC-P±PSP°.

## **PŸP°P±P»PëC†Cİ 3**

**$P'PiP \gg P\ddot{e}PI \text{ } PsP_{\tau}PSPsC \nmid P^{\circ}C\acute{I}PSPs$**

**$P \cdot P^{\circ}C\acute{I}C, PsC\acute{I}PsPIC \acute{z}PIP^{\circ}PSP\ddot{e}C... P \gg C - P\epsilon P^{\circ}C\grave{H}C\acute{I}CHPeP\ddot{e}C...$**

**$P \cdot P^{\circ}C\acute{I}PsP \pm C - PI \text{ } PSP^{\circ} \text{ } C\acute{I}P\ddot{e}C\acute{I}C, P_{\mu}P_jPSC \acute{z}$**

**$P_{\mu}PeC\acute{I}PiPsP \cdot P\ddot{e}C \nmid C - CH \text{ } P_{\tau}P^{\circ}PiP^{\circ}PiP \gg C - C_{,,} P \gg PsP \cdot P\ddot{e}PSC \acute{z}$**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| $P_{\hbar}PrPSPsC \nmid P^{\circ}C\acute{I}PSPs$<br>$P \cdot P^{\circ}C\acute{I}C, PsC\acute{I}PsPIC \acute{z}PIP^{\circ}PSP\ddot{e}PN_{\epsilon}$<br>$P \gg C - PeP^{\circ}C\grave{H}C\acute{I}CHPeP\ddot{e}PN_{\epsilon}$<br>$P \cdot P^{\circ}C\acute{I}C - P \pm$<br>$(C\grave{H}P_{\mu}P_{\nabla}P\ddot{e}P_j \text{ } PrPsP \cdot C\acute{r}PIP^{\circ}PSPSC\acute{I})^*$<br>$P_{\hbar}PsC\grave{H}P\ddot{e}PiC \acute{z}PIP^{\circ}PSPSC\acute{I} \text{ } PrPsP \cdot P\ddot{e} \text{ } PSP_{\mu} \text{ } PIP\ddot{e}P_jP^{\circ}PiP^{\circ}P \gg PsC\acute{I}C\acute{I} \text{ } PrP \gg C\acute{I} \text{ } C, P^{\circ}PeP\ddot{e}C...$<br>$P \gg C - PeP^{\circ}C\grave{H}C\acute{I}CHPeP\ddot{e}C... P \cdot P^{\circ}C\acute{I}PsP \pm C - PI:$<br>$P_{\mu}P_{\mu}C\grave{H}PsC\grave{H}P^{\circ}P \gg CHPSC - PiC - PiPsPiP \gg C - PeP_{\mu}P_jC - C \nmid PSC - P \gg C - PeP^{\circ}C\grave{H}C\acute{I}CHPeC - P \cdot P^{\circ}C\acute{I}PsP \pm P\ddot{e}$<br>$P_{\hbar}P_{\mu}C, C_{,,}PsC\grave{H}P_jC - PS \text{ } (1000 \text{ } P_jPi) \text{ } 20 \text{ } P_jPi \text{ } \downarrow 1 \% \text{ } \downarrow 7 \%$<br>$P_{\nabla}C - PsPiP \gg C - C, P^{\circ}P \cdot PsPS \text{ } (45 \text{ } P_jPi) \text{ } 50 \text{ } P_jPi \text{ } 0 \% \text{ } \uparrow 9 \%$<br>$P\ddot{Y}P\ddot{e}C, P^{\circ}PiP \gg C - PiC, P\ddot{e}PS \text{ } (100 \text{ } P_jPi) \text{ } 20 \text{ } P_jPi \text{ } \uparrow 8 \% \text{ } \downarrow 4 \%$<br>$P^{\circ}P \gg C - P_jP_{\mu}PiC - C\grave{H}P\ddot{e}Pr \text{ } (4 \text{ } P_jPi) \text{ } 20 \text{ } P_jPi \text{ } \downarrow 1 \% \text{ } \uparrow 1 \%$<br>$P^{\circ}PsPiP \gg C - P \pm PsP \cdot P^{\circ} \text{ } (0,2 \text{ } P_jPi) \text{ } 10 \text{ } P_jPi \text{ } \uparrow 1 \% \text{ } \uparrow 4 \%$<br>$C, C\grave{H}P\ddot{e} \text{ } C\grave{H}P^{\circ}P \cdot P\ddot{e} \text{ } PSP^{\circ} \text{ } PrPsP \pm C\acute{r}$<br>$P \nmid PSC\epsilon C - P \gg C - PeP^{\circ}C\grave{H}C\acute{I}CHPeC - P \cdot P^{\circ}C\acute{I}PsP \pm P\ddot{e}$<br>$P^{\circ}C - PrC\grave{H}PsC... P \gg PsC\grave{H}C, C - P^{\circ}P \cdot P\ddot{e}Pr \text{ } 50 \text{ } P_jPi \text{ } \uparrow 7 \% \text{ } \downarrow 1 \%$<br>$(25 \text{ } P_jPi)$<br>$P^{\circ}C\acute{r}P_jP_{\mu}C, P^{\circ}PSC - Pr \text{ } (1 \text{ } P_jPi) \text{ } 10 \text{ } P_jPi \text{ } PsPrP\ddot{e}PS \text{ } C\grave{H}P^{\circ}P \cdot \text{ } \uparrow 5 \% \text{ } \uparrow 8 \%$<br>$PSP^{\circ} \text{ } PrPsP \pm C\acute{r}$<br>$PiC\grave{H}PsC, C\acute{I}PiPsP_j \text{ } 7$<br>$PrPSC - PI$<br>$P^{\circ}P^{\circ}P \gg C\acute{I}P^{\circ}C\grave{H}C, P^{\circ}PS \text{ } (320 \text{ } P_jPi) \text{ } 20 \text{ } P_jPi \text{ } \uparrow 2 \% \text{ } \downarrow 12 \%$<br>$P\ddot{Y}P\ddot{e}P_jPIP^{\circ}C\acute{I}C, P^{\circ}C, P\ddot{e}PS \text{ } (40 \text{ } P_jPi) \text{ } 20 \text{ } P_jPi \text{ } \downarrow 1 \% \text{ } \downarrow 2 \%$<br>$P_{\hbar}PSC, P\ddot{e}P \pm P^{\circ}PeC, P_{\mu}C\grave{H}C - P^{\circ}P \gg CHPSP\ddot{e}PN_{\epsilon} \text{ } P \gg C - PeP^{\circ}C\grave{H}C\acute{I}CHPeP\ddot{e}PN_{\epsilon} \text{ } P \cdot P^{\circ}C\acute{I}C - P \pm$<br>$P \text{ } P\ddot{e}C_{,,} P^{\circ}P_jPiC - PS \text{ } (600 \text{ } P_jPi) \text{ } 10 \text{ } P_jPi \text{ } \downarrow 22 \% \text{ } \downarrow 7 \%$<br>$PsPrP\ddot{e}PS \text{ } C\grave{H}P^{\circ}P \cdot \text{ } PSP^{\circ} \text{ } PrPsP \pm C\acute{r}$<br>$PiC\grave{H}PsC, C\acute{I}PiPsP_j \text{ } 6 \text{ } PrPSC - PI$<br>$P \acute{z}P_{\mu}C\acute{I}C, P_{\mu}C\grave{H}PsC - PrPSP\ddot{e}PN_{\epsilon} \text{ } PiC\grave{H}PsC, P\ddot{e}P \cdot P^{\circ}PiP^{\circ}P \gg CHPSP\ddot{e}PN_{\epsilon} \text{ } P \gg C - PeP^{\circ}C\grave{H}C\acute{I}CHPeP\ddot{e}PN_{\epsilon} \text{ } P \cdot P^{\circ}C\acute{I}C - P \pm$<br>$P_{\hbar}P_{\mu}C_{,,} P_{\mu}PSP^{\circ}P_jC - PSPsPIP^{\circ} \text{ } 10 \text{ } P_jPi \text{ } \uparrow 51 \% \text{ } \uparrow 13 \%$<br>$PeP\ddot{e}C\acute{I}P \gg PsC, P^{\circ}$<br>$(PSP^{\circ}PIP^{\circ}PSC, P^{\circ}P_{\nabla}C\acute{r}PIP^{\circ}P \gg CHPSP^{\circ})$<br>$PrPsP \cdot P^{\circ} \text{ } 500 \text{ } P_jPi \text{ } P \cdot$<br>$PiPsPrP^{\circ}P \gg CHC\epsilon P\ddot{e}P_j$<br>$P \cdot P^{\circ}C\acute{I}C, PsC\acute{I}C\acute{r}PIP^{\circ}PSPSC\acute{I}P_j \text{ } 14$<br>$PrPsP \cdot \text{ } PiPs \text{ } 250 \text{ } P_jPi \text{ } PePsP_{\nabla}PSC - 6$<br>$PiPsPrP\ddot{e}PS)$ |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|

\*  $P \text{ } P^{\circ}P \cdot PsPIP^{\circ} \text{ } PrPsP \cdot P^{\circ}, C\acute{I}PeC\%Ps \text{ } PSP_{\mu} \text{ } PIPeP^{\circ}P \cdot P^{\circ}PSPs \text{ } C - PSC\epsilon P_{\mu}.$

<sup>бґ</sup>  $P^{\circ}C - PrC\acute{I}PsC, PePsPIP^{\circ} \text{ } P \cdot P_jC - PSP^{\circ} \text{ } (P / P \pm P_{\mu}P \cdot \text{ } PsPrPSPsC \nmid P^{\circ}C\acute{I}PSPsPiPs$   
 $P \cdot P^{\circ}C\acute{I}C, PsC\acute{I}C\acute{r}PIP^{\circ}PSPSC\acute{I} \text{ } P \gg C - PeP^{\circ}C\grave{H}C\acute{I}CHPePsPiPs \text{ } P \cdot P^{\circ}C\acute{I}PsP \pm C\acute{r} \text{ } C - P \pm P_{\mu}P \cdot \text{ } P \cdot P_jC - PSP\ddot{e} =$   
 $0 \%); \uparrow C - \downarrow PIPeP^{\circ}P \cdot C\acute{r}CHC, CH \text{ } PIC - PrPiPsPIC - PrPSPs \text{ } PSP^{\circ} \text{ } P \cdot P \pm C - P \gg CHC\epsilon P_{\mu}PSPSC\acute{I} \text{ } C -$   
 $P \cdot P_jP_{\mu}PSC\epsilon P_{\mu}PSPSC\acute{I} \text{ } P_{\mu}PeC\acute{I}PiPsP \cdot P\ddot{e}C \nmid C - C —.$

<sup>бґґ</sup>  $AUC = AUC(INF) \text{ } (PiP \gg PsC\%P^{\circ} \text{ } PiC - Pr \text{ } PeC\grave{H}P\ddot{e}PIPsCH \text{ } PePsPSC \nmid P_{\mu}PSC, C\grave{H}P^{\circ}C \nmid C - C\acute{I} / C \nmid P^{\circ}C\acute{I},$   
 $P_{\mu}PeC\acute{I}C, C\grave{H}P^{\circ}PiPsP \gg CHPsPIP^{\circ}PSP^{\circ} \text{ } PrPs \text{ } PSP_{\mu}C\acute{I}PeC - PSC \nmid P_{\mu}PSPSPsC\acute{I}C, C -) \text{ } PrP \gg C\acute{I}$   
 $P \gg C - PeP^{\circ}C\grave{H}C\acute{I}CHPeP\ddot{e}C... P \cdot P^{\circ}C\acute{I}PsP \pm C - PI, C\acute{I}PeC - P \cdot P^{\circ}C\acute{I}C, PsC\acute{I}PsPIC \acute{z}PIP^{\circ}P \gg P\ddot{e}C\acute{I}C\acute{I} \text{ } C\acute{r}$   
 $PIP\ddot{e}PiP \gg C\acute{I}PrC - C\grave{H}P^{\circ}P \cdot PsPIP\ddot{e}C... \text{ } PrPsP \cdot, \text{ } C - AUC = AUC(TAU) \text{ } (PiP \gg PsC\%P^{\circ} \text{ } PiC - Pr$   
 $PeC\grave{H}P\ddot{e}PIPsCH \text{ } PePsPSC \nmid P_{\mu}PSC, C\grave{H}P^{\circ}C \nmid C - C\acute{I} / C \nmid C \nmid P^{\circ}C\acute{I}, \text{ } PsP \pm P_jP_{\mu}P_{\nabla}P_{\mu}PSP^{\circ} \text{ } PeC - PSC \nmid P_{\mu}P_j$   
 $C - PSC, P_{\mu}C\grave{H}PIP^{\circ}P \gg C\acute{r} \text{ } PrPsP \cdot C\acute{r}PIP^{\circ}PSPSC\acute{I}) \text{ } PrP \gg C\acute{I} \text{ } P \gg C - PeP^{\circ}C\grave{H}C\acute{I}CHPeP\ddot{e}C... P \cdot P^{\circ}C\acute{I}PsP \pm C - PI,$   
 $C\acute{I}PeC - P \cdot P^{\circ}C\acute{I}C, PsC\acute{I}PsPIC \acute{z}PIP^{\circ}P \gg P\ddot{e}C\acute{I}C\acute{I} \text{ } C\acute{r} \text{ } PIP\ddot{e}PiP \gg C\acute{I}PrC - P \pm P^{\circ}PiP^{\circ}C, PsC\grave{H}P^{\circ}P \cdot PsPIP\ddot{e}C...$   
 $PrPsP \cdot.$

**$P'P\ddot{I}P \gg P\ddot{e}PI \text{ } P\tau P^{\circ}P\ddot{I}P^{\circ}PiP \gg C-C, P \gg PsP \cdot P\ddot{e}PSC\acute{r} \text{ } PSP^{\circ} \text{ } C-PSC\epsilon C- \\ P \gg C-PeP^{\circ}C\grave{H}C\acute{I}CHPeC- \text{ } P \cdot P^{\circ}C\acute{I}PsP \pm P\ddot{e}$**

PJ C, P<sup>o</sup>P±P»PëC†C- PSPëP¶C‡Pµ PïCḡPµPτC†C, P<sup>o</sup>PIP»PµPSC- PµC,, PµPeC, Pë  
PτP<sup>o</sup>PïP<sup>o</sup>PiP»C-C,, P»PsP·PëPSC† PSP<sup>o</sup> C-PSCεC- PsPτPSPsC‡P<sup>o</sup>C†PSPs  
P·P<sup>o</sup>C†C, PsC†PsPIC†PIP<sup>o</sup>PSC- P»C-PeP<sup>o</sup>CḡC†CHPeC- P·P<sup>o</sup>C†PsP±Pë.  
P''P<sup>o</sup>PïP<sup>o</sup>PiP»C-C,, P»PsP·PëPS C†C†C, C, C''PIPs PSPµ PIPïP»PëPIP<sup>o</sup>PI PSP<sup>o</sup>  
C,, P<sup>o</sup>CḡPjP<sup>o</sup>PePsPeC-PSPµC, PëPeC† PsPτPSPsC‡P<sup>o</sup>C†PSPs P·P<sup>o</sup>C†C, PsC†PsPIC†PIP<sup>o</sup>PSPëC...  
P»C-PeP<sup>o</sup>CḡC†CHPePëC... P·P<sup>o</sup>C†PsP±C-PI.

**$P\check{y}P^{\circ}P \pm P \gg P\ddot{e}C \dagger C\Pi \text{ } 4$**

**$P'PiP \gg P\ddot{e}PI \text{ } P\tau P^{\circ}PiP^{\circ}PiP \gg C-C, P \gg PsP \cdot P\ddot{e}PSC\acute{z} \text{ } PSP^{\circ} \\ C\acute{I}P\ddot{e}C\acute{I}C, P\mu PjPSC\acute{z} \text{ } P\mu PeC\acute{I}P\ddot{I}PsP \cdot P\ddot{e}C \dagger C-C\grave{H} \\ PsP\tau PSPsC\ddagger P^{\circ}C\acute{I}PSPs \text{ } P \cdot P^{\circ}C\acute{I}C, PsC\acute{I}PsPIC\acute{z}PIP^{\circ}PSP\ddot{e}C... \\ P \gg C-PeP^{\circ}C\grave{H}C\acute{I}CHPeP\ddot{e}C... \text{ } P \cdot P^{\circ}C\acute{I}PsP \pm C-PI$**

|                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PhPrPSPsC‡P <sup>o</sup> C†PSPs<br>P·P <sup>o</sup> C†C, PsC†PsPIC†PIP <sup>o</sup> PSPëPN <sub>2</sub><br>P»C-PeP <sup>o</sup> CḡC†CHPePëPN <sub>2</sub><br>P·P <sup>o</sup> C†C-P±<br>(CḡPµP¶PëPj<br>PrPsP·C†PIP <sup>o</sup> PSPSC¶)* | P''P <sup>o</sup> PïP <sup>o</sup> PiP»C-C,, P»PsP·PëPS<br>(CḡPµP¶PëPj<br>PrPsP·C†PIP <sup>o</sup> PSPSC¶)*                                                                                                                          | PhPrPSPsC‡P <sup>o</sup> C†PSPs<br>P·P <sup>o</sup> C†C, PsC†PsPIC†PIP <sup>o</sup> PSPëPN <sub>2</sub><br>P»C-PeP <sup>o</sup> CḡC†CHPePëPN <sub>2</sub> P·P <sup>o</sup> C†C-P±<br>P—PjC-PSP <sup>o</sup> P—PjC-PSP <sup>o</sup><br>PïPsPeP <sup>o</sup> ·PSPëPeC-PI <sup>вґ</sup> PïPsPeP <sup>o</sup> ·PSPëPeC-PI <sup>вґ</sup><br>AUC <sup>вґ</sup> C <sub>max</sub> |
| <i>PµPsCḡPëPiCḡPIP<sup>o</sup>PSPSC¶ PrPsP·Pë PSPµ PIPëPjP<sup>o</sup>PiP<sup>o</sup>·P»PsC†C¶ PrP»C¶ C, P<sup>o</sup>PePëC... P»C-PeP<sup>o</sup>CḡC†CHPePëC...<br/>P·P<sup>o</sup>C†PsP±C-PI:</i>                                      |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                           |
| <i>PµPµCḡPsCḡP<sup>o</sup>·P»CHPSC- PiC-PiPsPiP»C-PePµPjC-C‡PSC- P»C-PeP<sup>o</sup>CḡC†CHPeC- P·P<sup>o</sup>C†PsP±Pë</i>                                                                                                               |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                           |
| PhPµC, C,, PsCḡPjC-PS (1000 PjPi)                                                                                                                                                                                                        | 20 PjPi                                                                                                                                                                                                                              | 0 % ↓ 5 %                                                                                                                                                                                                                                                                                                                                                                 |
| PµC-PsPiP»C-C, P <sup>o</sup> ·P·PsPS (45 PjPi)                                                                                                                                                                                          | 50 PjPi                                                                                                                                                                                                                              | 0 % ↓ 7 %                                                                                                                                                                                                                                                                                                                                                                 |
| PŸPëC, P <sup>o</sup> PiP»C-PiC, PëPS (100 PjPi)                                                                                                                                                                                         | 20 PjPi                                                                                                                                                                                                                              | ↑ 1 % ↓ 11 %                                                                                                                                                                                                                                                                                                                                                              |
| P''P»C-PjPµPïC-CḡPëPr (4 PjPi)                                                                                                                                                                                                           | 20 PjPi                                                                                                                                                                                                                              | ↑ 13 % ↑ 4 %                                                                                                                                                                                                                                                                                                                                                              |
| <i>P†PSCεC- P»C-PeP<sup>o</sup>CḡC†CHPeC- P·P<sup>o</sup>C†PsP±Pë</i>                                                                                                                                                                    |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                           |
| P''C-PrCḡPsC...P»PsCḡC, C-P <sup>o</sup> ·PëPr50 PjPi                                                                                                                                                                                    |                                                                                                                                                                                                                                      | ↓ 1 % ↓ 5 %                                                                                                                                                                                                                                                                                                                                                               |
| P'C†PjPµC, P <sup>o</sup> PSC-Pr (1 PjPi)                                                                                                                                                                                                | 10 PjPi PsPrPëPS CḡP <sup>o</sup> · PSP <sup>o</sup><br>PrPsP±C† PïCḡPsC, C¶PiPsPj 7<br>PrPSC-PI                                                                                                                                     | ↑ 13 % ↑ 13 %                                                                                                                                                                                                                                                                                                                                                             |
| P'P <sup>o</sup> ·P»C†P <sup>o</sup> CḡC, P <sup>o</sup> PS (320 PjPi)                                                                                                                                                                   | 20 PjPi                                                                                                                                                                                                                              | ↑ 5 % ↓ 6 %                                                                                                                                                                                                                                                                                                                                                               |
| PŸPëPjPIP <sup>o</sup> C†C, P <sup>o</sup> C, PëPS (40 PjPi)                                                                                                                                                                             | 20 PjPi                                                                                                                                                                                                                              | ↑ 19 % ↓ 6 %                                                                                                                                                                                                                                                                                                                                                              |
| P''PëPiPsPeC†PëPS (0,25 PjPi)                                                                                                                                                                                                            | 20 PjPi                                                                                                                                                                                                                              | 0 % ↓ 1 %                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                          | PSP <sup>o</sup> PIP <sup>o</sup> PSC, P <sup>o</sup> ¶C†PIP <sup>o</sup> ·CHPSP <sup>o</sup><br>PrPsP·P <sup>o</sup> , PiPsC, C-Pj 10 PjPi<br>PsPrPëPS CḡP <sup>o</sup> · PSP <sup>o</sup> PrPsP±C†<br>PïCḡPsC, C¶PiPsPj 7 PrPSC-PI |                                                                                                                                                                                                                                                                                                                                                                           |
| P'P <sup>o</sup> CḡC,, P <sup>o</sup> CḡPëPS (25 PjPi)                                                                                                                                                                                   | 20 PjPi                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                           |
| S-PIP <sup>o</sup> CḡC,, P <sup>o</sup> CḡPëPS                                                                                                                                                                                           | PSP <sup>o</sup> PIP <sup>o</sup> PSC, P <sup>o</sup> ¶C†PIP <sup>o</sup> ·CHPSP <sup>o</sup> ↑ 3 %                                                                                                                                  | ↑ 7 %                                                                                                                                                                                                                                                                                                                                                                     |
| R-PIP <sup>o</sup> CḡC,, P <sup>o</sup> CḡPëPS                                                                                                                                                                                           | PrPsP·P <sup>o</sup> , PiPsC, C-Pj 10 PjPi<br>PsPrPëPS CḡP <sup>o</sup> · PSP <sup>o</sup> PrPsP±C†<br>PïCḡPsC, C¶PiPsPj 7 PrPSC-PI                                                                                                  | ↑ 6 % ↑ 8 %                                                                                                                                                                                                                                                                                                                                                               |

\* P P<sup>o</sup>·P·PsPIP<sup>o</sup> PrPsP·P<sup>o</sup>, C¶PeC%Ps PSPµ PIPeP<sup>o</sup>·P<sup>o</sup>PSPs C-PSCεPµ.

<sup>вґ</sup> P'C-PrC†PsC, PePsPIP<sup>o</sup> P·PjC-PSP<sup>o</sup> (P/ P±PµP· PsPrPSPsC‡P<sup>o</sup>C†PSPsPiPs  
P·P<sup>o</sup>C†C, PsC†C†PIP<sup>o</sup>PSPSC¶ P»C-PeP<sup>o</sup>CḡC†CHPePsPiPs P·P<sup>o</sup>C†PsP±C† C- P±PµP· P·PjC-PSPë =  
0 %); ↑ C- ↓ PIPeP<sup>o</sup>·C†CḡC, CH PIC-PrPïPsPIC-PrPSPs PSP<sup>o</sup> P·P±C-P»CHCεPµPSPSC¶ C-  
P·PjPµPSCεPµPSPSC¶ PµPeC†PiPsP·PëC†C-C—.

<sup>вґ</sup> AUC = AUC(INF) (PiP»PsC%P<sup>o</sup> PïC-Pr PeCḡPëPIPsCḡ PePsPSC†PµPSC, CḡP<sup>o</sup>C†C-C¶/C‡P<sup>o</sup>C†,  
PµPeC†C, CḡP<sup>o</sup>PïPsP»CHPsPIP<sup>o</sup>PSP<sup>o</sup> PrPs PSPµC†PeC-PSC‡PµPSPSPsC†C, C-) PrP»C¶

$P \gg C - PeP^{\circ}C\bar{H}C\bar{H}PeP\bar{e}C... P \cdot P^{\circ}C\bar{I}PsP \pm C - PI, C\bar{I}PeC - P \cdot P^{\circ}C\bar{I}C, PsC\bar{I}PsPIC\bar{I}PIP^{\circ}P \gg P\bar{e}C\bar{I}C\bar{I} C\bar{I}$   
 $PIP\bar{e}PiP \gg C\bar{I}PrC - C\bar{H}P^{\circ}P \cdot PsPIP\bar{e}C... PrPsP \cdot, C - AUC = AUC(TAU) (P\bar{i}P \gg PsC\%P^{\circ} P\bar{i}C - Pr$   
 $PeC\bar{H}P\bar{e}PIPsC\bar{H} PePsPSC\bar{I}P\mu PSC, C\bar{H}P^{\circ}C\bar{I}C - C\bar{I}/C\bar{I}P^{\circ}C\bar{I}, PsP \pm PjP\mu P\bar{I}P\mu PSP^{\circ} PeC - PSC\bar{I}P\mu Pj$   
 $C - PSC, P\mu C\bar{H}PIP^{\circ}P \gg C\bar{I} PrPsP \cdot C\bar{I}PIP^{\circ}PSPSC\bar{I}) PrP \gg C\bar{I} P \gg C - PeP^{\circ}C\bar{H}C\bar{H}PeP\bar{e}C... P \cdot P^{\circ}C\bar{I}PsP \pm C - PI,$   
 $C\bar{I}PeC - P \cdot P^{\circ}C\bar{I}C, PsC\bar{I}PsPIC\bar{I}PIP^{\circ}P \gg P\bar{e}C\bar{I}C\bar{I} C\bar{I} PIP\bar{e}PiP \gg C\bar{I}PrC - P \pm P^{\circ}PiP^{\circ}C, PsC\bar{H}P^{\circ}P \cdot PsPIP\bar{e}C...$   
 $PrPsP \cdot.$

**$P\bar{L}P \gg C - PSC - C\bar{I}PSC - C... P^{\circ}C\bar{H}P^{\circ}PeC, P\mu C\bar{H}P\bar{e}C\bar{I}C, P\bar{e}PeP\bar{e}.$**

**$P\mu PsPeP^{\circ}P \cdot P^{\circ}PSPSC\bar{I}.$**

$P\bar{L}C\bar{I}C - PiPrC\bar{I}Ps P\mu C\bar{H}PsP \gg PsPSPi P\bar{i}PsPeP^{\circ}P \cdot P^{\circ}PSP\bar{e}PN\bar{e} C\bar{I}Pe PrPsP\bar{i}PsPIPSP\mu PSPSC\bar{I} PrPs$   
 $PrC - C''C, P\bar{e} C, P^{\circ} C, C - P \cdot P\bar{e}C\bar{I}PSP\bar{e}C... PIP\bar{i}C\bar{H}P^{\circ}PI PrP \gg C\bar{I} P\bar{i}PsPeC\bar{H}P^{\circ}C\%P\mu PSPSC\bar{I}$   
 $PiP \gg C - PeP\mu PjC - C\bar{I}PSPsPiPs PePsPSC, C\bar{H}PsP \gg C\bar{H} C\bar{I} PrPsC\bar{H}PsC\bar{I}P \gg P\bar{e}C... P \cdot C\bar{I}C\bar{I}PeC\bar{H}PsPIP\bar{e}Pj$   
 $PrC - P^{\circ}P \pm P\mu C, PsPj 2 - PiPs C, P\bar{e}P\bar{i}C\bar{I}.$

$P''P^{\circ}P\bar{i}P^{\circ}PiP \gg C - C, P \gg PsP \cdot P\bar{e}PS, P\bar{i}C\bar{H}P\bar{e} P \cdot P^{\circ}C\bar{I}C, PsC\bar{I}C\bar{I}PIP^{\circ}PSPSC - C\bar{I}Pe PePsPjP\bar{i}PsPSP\mu PSC,$   
 $P \gg C - PeP^{\circ}C\bar{H}C\bar{H}PePsPiPs P \cdot P^{\circ}C\bar{I}PsP \pm C\bar{I} P\bar{L}C\bar{I}C - PiPrC\bar{I}Ps P\mu C\bar{H}PsP \gg PsPSPi,$   
 $P\bar{i}PsPeP^{\circ}P \cdot P^{\circ}PSP\bar{e}PN\bar{e} PrP \gg C\bar{I} P \cdot PSP\bar{e}P\bar{I}P\mu PSPSC\bar{I}:$

$\bar{B}\bar{H}\bar{Y} \quad C\bar{H}P\bar{e}P \cdot P\bar{e}PeC\bar{I} PiPsC\bar{I}P\bar{i}C - C, P^{\circ}P \gg C - P \cdot P^{\circ}C\bar{I}C - C - C\bar{I}P\mu C\bar{H}P\mu P \cdot C\bar{I}P\mu C\bar{H}C\bar{I}P\mu PIC\bar{I}$   
 $PSP\mu PrPsC\bar{I}C, P^{\circ}C, PSC - C\bar{I}C, C\bar{H} C\bar{I} PrPsC\bar{H}PsC\bar{I}P \gg P\bar{e}C... P \cdot C\bar{I}C\bar{I}PeC\bar{H}PsPIP\bar{e}Pj PrC - P^{\circ}P \pm P\mu C, PsPj$   
 $2 - PiPs C, P\bar{e}P\bar{i}C\bar{I} C, P^{\circ} PIC\bar{I}C, P^{\circ}PSPsPIP \gg P\mu PSP\bar{e}PjP\bar{e} C\bar{I}P\mu C\bar{H}C\bar{I}P\mu PIPs - C\bar{I}C\bar{I}PrP\bar{e}PSPSP\bar{e}PjP\bar{e}$   
 $P \cdot P^{\circ}C... PIPsC\bar{H}C\bar{H}PIP^{\circ}PSPSC\bar{I}PjP\bar{e} (P\bar{Y}P\bar{Y}P -) P^{\circ}P \pm Ps PjPSPsP\bar{I}P\bar{e}PSPSP\bar{e}PjP\bar{e} C\bar{I}P\mu C\bar{H}C\bar{I}P\mu PIPs -$   
 $C\bar{I}C\bar{I}PrP\bar{e}PSPSP\bar{e}PjP\bar{e} (P\bar{Y}P\bar{Y}) C, P^{\circ}PeC, PsC\bar{H}P^{\circ}PjP\bar{e} C\bar{H}P\bar{e}P \cdot P\bar{e}PeC\bar{I}.$

$P\bar{h}P \pm PjP\mu P\bar{I}P\mu PSPSC\bar{I} C\bar{I} P \cdot P^{\circ}C\bar{I}C, PsC\bar{I}C\bar{I}PIP^{\circ}PSPSC -$

$\bar{B}\bar{H}\bar{Y} \quad P - P^{\circ}C\bar{I}C, PsC\bar{I}C\bar{I}PIP^{\circ}PSPSC\bar{I} P \gg C - PeP^{\circ}C\bar{H}C\bar{H}PePsPiPs P \cdot P^{\circ}C\bar{I}PsP \pm C\bar{I}$   
 $P\bar{L}C\bar{I}C - PiPrC\bar{I}Ps P\mu C\bar{H}PsP \gg PsPSPi PSP\mu P\bar{i}PsPeP^{\circ}P \cdot P^{\circ}PSPs P\bar{i}P^{\circ}C\bar{I}C - C''PSC, P^{\circ}Pj P \cdot$   
 $C\bar{I}C\bar{I}PeC\bar{H}PsPIP\bar{e}Pj PrC - P^{\circ}P \pm P\mu C, PsPj 1 - PiPs C, P\bar{e}P\bar{i}C\bar{I} (PrP\bar{e}PI. C\bar{H}PsP \cdot PrC - P \gg$   
 $B \ll P\bar{h}C\bar{I}PsP \pm P \gg P\bar{e}PIPsC\bar{I}C, C - P \cdot P^{\circ}C\bar{I}C, PsC\bar{I}C\bar{I}PIP^{\circ}PSPSC\bar{I}B \gg).$

**$P\mu C\bar{H}PsC, P\bar{e}P\bar{i}PsPeP^{\circ}P \cdot P^{\circ}PSPSC\bar{I}.$**

$P\bar{L}C\bar{I}C - PiPrC\bar{I}Ps P\mu C\bar{H}PsP \gg PsPSPi P\bar{i}C\bar{H}PsC, P\bar{e}P\bar{i}PsPeP^{\circ}P \cdot P^{\circ}PSP\bar{e}PN\bar{e} P\bar{i}P^{\circ}C\bar{I}C - C''PSC, P^{\circ}Pj C - P \cdot:$

$B \cdot \quad PSP^{\circ}C\bar{I}PIPSC - C\bar{I}C, C\bar{H} PI P^{\circ}PSP^{\circ}PjPSP\mu P \cdot C - C\bar{I}P\mu C\bar{H}PN\bar{e}PsP \cdot PSPsC -$   
 $C\bar{H}P\mu P^{\circ}PeC\bar{I}C - C - PiC - P\bar{i}P\mu C\bar{H}C\bar{I}C\bar{I}C, P \gg P\bar{e}PIPsC\bar{I}C, C - PrPs PrP^{\circ}P\bar{i}P^{\circ}PiP \gg C - C, P \gg PsP \cdot P\bar{e}PSC\bar{I},$   
 $PSP^{\circ}P\bar{i}C\bar{H}P\bar{e}PeP \gg P^{\circ}Pr, P^{\circ}PSP^{\circ}C, C - P \gg P^{\circ}PeC, P\bar{e}C\bar{I}PSP\bar{e}C... C\bar{H}P\mu P^{\circ}PeC\bar{I}C - PN\bar{e} P^{\circ}P \pm Ps$   
 $P^{\circ}PSPiC - PsPSP\mu PIC\bar{H}PsC, P\bar{e}C\bar{I}PSPsPiPs PSP^{\circ}P \pm C\bar{H}C\bar{I}PeC\bar{I}, P^{\circ}P \pm Ps$   
 $PiC - P\bar{i}P\mu C\bar{H}C\bar{I}C\bar{I}C, P \gg P\bar{e}PIPsC\bar{I}C, C - PrPs PjP\mu C, C, PsC\bar{H}PjC - PSC\bar{I} PiC - PrC\bar{H}PsC... P \gg PsC\bar{H}P\bar{e}PrC\bar{I}$   
 $(PrP\bar{e}PI. C\bar{H}PsP \cdot PrC - P \gg B \ll P\bar{h}PsP \pm C - C\bar{I}PSC - C\bar{H}P\mu P^{\circ}PeC\bar{I}C - C - B \gg) P^{\circ}P \pm Ps$   
 $PiC - P\bar{i}P\mu C\bar{H}C\bar{I}C\bar{I}C, P \gg P\bar{e}PIC - C\bar{I}C, C\bar{H} PrPs P \pm C\bar{I}PrC\bar{H} - C\bar{I}PePsC - P \cdot PrPsP\bar{i}PsPjC - P\bar{I}PSP\bar{e}C... C\bar{H}P\mu C\bar{I}PsPIP\bar{e}PS;$

$B \cdot \quad PiPsC\bar{I}C, C\bar{H}P\bar{e}Pj P^{\circ}P \pm Ps C... C\bar{H}PsPSC - C\bar{I}PSP\bar{e}Pj PjP\mu C, P^{\circ}P \pm PsP \gg C - C\bar{I}PSP\bar{e}Pj$

$P^{\circ}C \uparrow P \ddot{e} P r P s P \cdot P s P j$ ,  $P \cdot P s P e C \ddot{e} P \mu P j P^{\circ}$   $P j P s P \gg P s C \uparrow P S P s P e P \ddot{e} C \uparrow P \gg P \ddot{e} P j$   $P^{\circ}C \uparrow P \ddot{e} P r P s P \cdot P s P j$ ,  
 $P r C - P^{\circ}P \pm P \mu C$ ,  $P \ddot{e} C \uparrow P S P \ddot{e} P j$   $P e P \mu C$ ,  $P s P^{\circ}C \uparrow P \ddot{e} P r P s P \cdot P s P j$ ,  $C - P \cdot P e P s P j P s C \ddot{e}$   $P^{\circ}P \pm P s$   $P \pm P \mu P \cdot$ .  
 $P^{\circ}C - P^{\circ}P \pm P \mu C$ ,  $P \ddot{e} C \uparrow P S P \ddot{e} P \mu$   $P e P \mu C$ ,  $P s P^{\circ}C \uparrow P \ddot{e} P r P s P \cdot C \uparrow P \gg C - P r$   $P \gg C - P e C \uparrow P I P^{\circ}C$ ,  $P \ddot{e}$   
 $C - P S C \uparrow C \uparrow P \gg C - P S P s P j$  ( $P r P \ddot{e} P I$ .  $C \ddot{e} P s P \cdot P r C - P \gg B \ll P h C \uparrow P s P \pm P \gg P \ddot{e} P I P s C \uparrow C$ ,  $C -$   
 $P \cdot P^{\circ}C \uparrow C$ ,  $P s C \uparrow C \uparrow P I P^{\circ}P S P S C \uparrow B \gg$ );

B·  $P r C - P^{\circ}P \pm P \mu C$ ,  $P \ddot{e} C \uparrow P S P s C \ddot{e}$   $P i C \ddot{e} P \mu P e P s P j P s C \ddot{e}$ ;

B·  $C$ ,  $C \uparrow P \uparrow P e P s C \ddot{e}$   $P S P \ddot{e} C \ddot{e} P e P s P I P s C \ddot{e}$   $P S P \mu P r P s C \uparrow C$ ,  $P^{\circ}C$ ,  $P S C - C \uparrow C$ ,  $C \ddot{e}$  ( $C \ddot{e} P \ddot{e} P \mu P \alpha$   
 $P j P \mu P S C \epsilon P \mu$   $30 P j P \gg / C \dots P I / 1, 73 P j^2$ ),  $C$ ,  $P \mu C \ddot{e} P j C - P S P^{\circ}P \gg C \ddot{e} P S P s C \ddot{e}$   $C \uparrow C$ ,  $P^{\circ}P r C - C^{\circ}C \ddot{e}$   
 $C \dots P I P s C \ddot{e} P s P \pm P \ddot{e}$   $P S P \ddot{e} C \ddot{e} P s P e$   $P^{\circ}P \pm P s$   $P i P^{\circ}C \uparrow C - C^{\circ}P S C$ ,  $P^{\circ}P j$   $P S P^{\circ}$   $P r C - P^{\circ}P \gg C - P \cdot C -$  ( $P r P \ddot{e} P I$ .  
 $C \ddot{e} P s P \cdot P r C - P \gg B \ll P h C \uparrow P s P \pm P \gg P \ddot{e} P I P s C \uparrow C$ ,  $C - P \cdot P^{\circ}C \uparrow C$ ,  $P s C \uparrow C \uparrow P I P^{\circ}P S P S C \uparrow B \gg$ );

B·  $P i P s C \uparrow C$ ,  $C \ddot{e} P \ddot{e} P j P \ddot{e}$   $C \uparrow C$ ,  $P^{\circ}P S P^{\circ}P j P \ddot{e}$ ,  $C \uparrow P e C - P j P s P \uparrow C \uparrow C$ ,  $C \ddot{e}$   $P I P i P \gg P \ddot{e} P I P^{\circ}C$ ,  $P \ddot{e}$   $P S P^{\circ}$   
 $C$ ,  $C \uparrow P S P e C \uparrow C - C \ddot{e}$   $P S P \ddot{e} C \ddot{e} P s P e$ ,  $C$ ,  $P^{\circ}P e P \ddot{e} P j P \ddot{e}$   $C \uparrow P e$ :

- $P r P \mu P i C - P r C \ddot{e} P^{\circ}C$ ,  $P^{\circ}C \uparrow C - C \uparrow$ ,
- $C$ ,  $C \uparrow P \uparrow P e P^{\circ}$   $C - P S C$ ,  $P \mu P e C \uparrow C - C \uparrow$ ,
- $C \epsilon P s P e$ ;

B·  $P i P s C \uparrow C$ ,  $C \ddot{e} P \ddot{e} P j$   $P^{\circ}P \pm P s$   $C \dots C \ddot{e} P s P S C - C \uparrow P S P \ddot{e} P j$   $P \cdot P^{\circ}C \dots P I P s C \ddot{e} C \ddot{e} P I P^{\circ}P S P S C \uparrow P j$ ,  
 $C \uparrow P e P \mu$   $P j P s P \uparrow P \mu$   $C \uparrow P i C \ddot{e} P \ddot{e} C \uparrow P \ddot{e} P S P \ddot{e} C$ ,  $P \ddot{e}$   $P i C - P i P s P e C \uparrow C - C \ddot{e}$   $C$ ,  $P e P^{\circ}P S P \ddot{e} P s$ ,  $C$ ,  $P^{\circ}P e P \ddot{e} P j$   $C \uparrow P e$ :

- $C \uparrow P \mu C \ddot{e} C \uparrow P \mu P I P^{\circ}$   $P^{\circ}P \pm P s$   $P r P \ddot{e} C \dots P^{\circ}P \gg C \ddot{e} P S P^{\circ}$   $P S P \mu P r P s C \uparrow C$ ,  $P^{\circ}C$ ,  $P S C - C \uparrow C$ ,  $C \ddot{e}$ ,
- $P S P \mu P r P^{\circ}P I P S P s$   $P i P \mu C \ddot{e} P \mu P S P \mu C \uparrow P \mu P S P \ddot{e} P \mu$   $C - P S C$ ,  $P^{\circ}C \ddot{e} P e C$ ,  $P j C - P s P e P^{\circ}C \ddot{e} P r P^{\circ}$ ,
- $C \epsilon P s P e$ ;

B·  $P i P s C \ddot{e} C \uparrow C \epsilon P \mu P S P S C \uparrow P j$   $C$ ,  $C \uparrow P S P e C \uparrow C - C$  —  $P i P \mu C \uparrow C - P S P e P \ddot{e}$ ;

B·  $P i P s C \uparrow C$ ,  $C \ddot{e} P s C \ddot{e}$   $P^{\circ}P \gg P e P s P i P s P \gg C \ddot{e} P S P s C \ddot{e}$   $C - P S C$ ,  $P s P e C \uparrow P \ddot{e} P e P^{\circ}C \uparrow C - C^{\circ}C \ddot{e}$ ,  
 $P^{\circ}P \gg P e P s P i P s P \gg C - P \cdot P j P s P j$ .

**$P^{\circ}P \cdot P^{\circ}C^{\circ}P j P s P r C - C \uparrow P \cdot C - P S C \epsilon P \ddot{e} P j P \ddot{e}$   $P \gg C - P e P^{\circ}C \ddot{e} C \uparrow C \ddot{e} P e P \ddot{e} P j P \ddot{e}$   $P \cdot P^{\circ}C \uparrow P s P \pm P^{\circ}P j P \ddot{e}$   $C$ ,  $P^{\circ}$   
 $C - P S C \epsilon C - P I P \ddot{e} P r P \ddot{e}$   $P I P \cdot P^{\circ}C^{\circ}P j P s P r C - P \mu$ .**

$P j P^{\circ}P \pm P \gg P \ddot{e} C \uparrow C \uparrow 5$

$P \mu P \gg C - P S C - C \uparrow P S P s$   $P \cdot P S P^{\circ}C \uparrow C \acute{e} C \% C - P I P \cdot P^{\circ}C^{\circ}P j P s P r C - C$  —  $P \cdot P \gg C - P e P^{\circ}C \ddot{e} C \uparrow C \ddot{e} P e P \ddot{e} P j$   
 $P \cdot P^{\circ}C \uparrow P s P \pm P s P j$   $P \mu C \uparrow C - P i P r C \acute{e} P s$   $P \mu C \ddot{e} P s P \gg P s P S P i$

**$P \uparrow P S P i C - P \pm C - C$ ,  $P s C \ddot{e} P \ddot{e}$**   
 **$P e P^{\circ}C \ddot{e} P \pm P s P^{\circ}P S P i C - P r C \ddot{e} P^{\circ}P \cdot P \ddot{e}$**



|                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| $P_{\text{л}}P \gg C - PSC - C \nmid PSP \ddot{P} N_{\text{л}}$<br>$PIP \ddot{P} \gg P \ddot{P} I$                                                                                                                                                                                                                                                                                          | <p> <math>P \ddot{Y} P s P i C - C \ddot{H} P^{\circ} P j P^{\circ} C, P^{\circ} P \pm P s C - PSC \text{€} C - C - P S P i C - P \pm C - C, P s C \ddot{H} P \ddot{e}</math><br/> <math>P e P^{\circ} C \ddot{H} P \pm P s P^{\circ} P S P i C - P r C \ddot{H} P^{\circ} P \cdot P \ddot{e} (PSP^{\circ} P i C \ddot{H} P \ddot{e} P e P \gg P^{\circ} P r</math><br/> <math>P \cdot P s PSC - C \ddot{I} P^{\circ} P j C - P r, P^{\circ} C \ddagger P_{\mu} C, P^{\circ} P \cdot P s P \gg P^{\circ} P j C - P r P^{\circ} P \pm P s</math><br/> <math>P r P \ddot{e} C \dots P \gg P s C \ddot{H} C, P_{\mu} P S P^{\circ} P j C - P r) C \ddagger P^{\circ} C \ddot{I} C, P s C \ddot{I} P i C \ddot{H} P \ddot{e} C \ddagger P \ddot{e} P S C \sqcup C \ddot{H} C, C \ddot{H}</math><br/> <math>P \cdot P S P \ddot{P} P \P P_{\mu} P S P S C \sqcup C \ddot{H} C - P I P S C \sqcup P \pm C - P e P^{\circ} C \ddot{H} P \pm P s P S P^{\circ} C, C r C r</math><br/> <math>C \ddot{I} P \ddot{e} C \ddot{H} P s P I P^{\circ} C, C \ddagger C - P e C \ddot{H} P s P I C - C, P^{\circ} P i C \ddot{H} P \ddot{e} P \cdot P I P s P r C \sqcup C, C \ddot{H} P r P s</math><br/> <math>P i C - P i P_{\mu} C \ddot{H} C \dots P \gg P s C \ddot{H} P_{\mu} P j C - C \ddagger P S P s P i P s P j P_{\mu} C, P^{\circ} P \pm P s P \gg C - C \ddagger P S P s P i P s</math><br/> <math>P^{\circ} C \ddagger P \ddot{e} P r P s P \cdot C r P \pm P_{\mu} P \cdot P \cdot P j C - P S P^{\circ} P S C - P s P S P S P s P i P s</math><br/> <math>C - P S C, P_{\mu} C \ddot{H} P I P^{\circ} P \gg C r, P i C - P i P_{\mu} C \ddot{H} C \dots P \gg P s C \ddot{H} P_{\mu} P j C - C \ddagger P S P s P i P s</math><br/> <math>P j P_{\mu} C, P^{\circ} P \pm P s P \gg C - C \ddagger P S P s P i P s P^{\circ} C \ddagger P \ddot{e} P r P s P \cdot C r. P \ddot{h} P r P S P s C \ddagger P^{\circ} C \ddot{I} P S P_{\mu}</math><br/> <math>P \cdot P^{\circ} C \ddot{I} C, P s C \ddot{I} C r P I P^{\circ} P S P S C \sqcup C \ddagger P \ddot{e} C \dots P \gg C - P e P^{\circ} C \ddot{H} C \ddot{I} C \ddot{H} P e P \ddot{e} C \dots</math><br/> <math>P \cdot P^{\circ} C \ddot{I} P s P \pm C - P I C - P \cdot P \gg C - P e P^{\circ} C \ddot{H} C \ddot{I} C \ddot{H} P e P \ddot{e} P j P \cdot P^{\circ} C \ddot{I} P s P \pm P s P j</math><br/> <math>P_{\text{л}} C \ddot{I} C - P i P r C r P s P_{\mu} C \ddot{H} P s P \gg P s P S P i P j P s P \P P_{\mu} P i C - P r P I P \ddot{e} C \% P \ddot{e} C, P \ddot{e}</math><br/> <math>C \ddot{H} P \ddot{e} P \cdot P \ddot{e} P e C \ddot{H} P s P \cdot P I P \ddot{e} C, P e C r P \gg P^{\circ} P e C, P s P^{\circ} C \ddagger P \ddot{e} P r P s P \cdot C r.</math> </p>                                                                                                                                                                                                                                                |
| $P' C, C \ddot{H} C \acute{z} C \nmid P^{\circ} P S P S C \sqcup$                                                                                                                                                                                                                                                                                                                           | <p> <math>P \ddot{h} P s P \P P_{\mu} P \pm C r C, P \ddot{e} P r P s C \ddagger C - P \gg C \ddot{H} P S P \ddot{e} P j P \pm C - P \gg C \ddot{H} C \text{€} C \ddagger P^{\circ} C \ddot{I} C, P \ddot{e} P N_{\text{л}}</math><br/> <math>P e P s P S C, C \ddot{H} P s P \gg C \ddot{H} C \ddot{I} C, P^{\circ} P S C r C, P^{\circ} P e P \ddot{e} C \dots P i P^{\circ} C \ddagger C - C'' P S C, C - P I.</math> </p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <p> <b><math>P \gg C - P e P^{\circ} C \ddot{H} C \ddot{I} C \ddot{H} P e C - P \cdot P^{\circ} C \ddot{I} P s P \pm P \ddot{e}, C \% P s</math></b><br/> <b><math>P \cdot P S P \ddot{P} P \P C \acute{z} C \ddot{H} C, C \ddot{H} P e P \gg C - C \ddot{H} P_{\mu} P S C \ddot{I}</math></b><br/> <b><math>P j P_{\mu} C, C, P s C \ddot{H} P j C - P S C \acute{z}</math></b> </p>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| $P_{\text{л}}P \gg C - PSC - C \nmid PSP \ddot{P} N_{\text{л}}$<br>$PIP \ddot{P} \gg P \ddot{P} I$                                                                                                                                                                                                                                                                                          | <p> <math>P \ddot{h} P r P S P s C \ddagger P^{\circ} C \ddot{I} P S P_{\mu} P \cdot P^{\circ} C \ddot{I} C, P s C \ddot{I} C r P I P^{\circ} P S P S C \sqcup</math><br/> <math>P \gg C - P e P^{\circ} C \ddot{H} C \ddot{I} C \ddot{H} P e P \ddot{e} C \dots P \cdot P^{\circ} C \ddot{I} P s P \pm C - P I, C \sqcup P e C - P I P \ddot{P} \gg P \ddot{e} P I P^{\circ} C \ddot{H} C, C \ddot{H}</math><br/> <math>P S P^{\circ} P \cdot P^{\circ} P i P^{\circ} P \gg C \ddot{H} P S C r P e P^{\circ} P S P^{\circ} P \gg C \ddot{H} C \ddagger P_{\mu} P I C r</math><br/> <math>C, C \ddot{H} P^{\circ} P S C \ddot{I} P i P s C \ddot{H} C, P S C r C \ddot{I} P \ddot{e} C \ddot{I} C, P_{\mu} P j C r P S P \ddot{e} C \ddot{H} P s P e, C \% P s</math><br/> <math>P \pm P_{\mu} C \ddot{H} P_{\mu} C r C \ddagger P^{\circ} C \ddot{I} C, C \ddot{H} C r P I P \ddot{e} P I P_{\mu} P r P_{\mu} P S P S C - P j P_{\mu} C, C, P s C \ddot{H} P j C - P S C r</math><br/> <math>P S P \ddot{e} C \ddot{H} P e P^{\circ} P j P \ddot{e} (P S P^{\circ} P i C \ddot{H} P \ddot{e} P e P \gg P^{\circ} P r, P s C \ddot{H} P i P^{\circ} P S C - C \ddagger P S C -</math><br/> <math>P e P^{\circ} C, C - P s P S P S C - C, C \ddot{H} P^{\circ} P S C \ddot{I} P i P s C \ddot{H} C, P_{\mu} C \ddot{H} P \ddot{e} - 2</math><br/> <math>[P \ddot{h} P_{\text{л}} P \ddot{Y} 2] / C - P S P i C - P \pm C - C, P s C \ddot{H} P \ddot{e} P_{\mu} P e C \ddot{I} C, C \ddot{H} C r P \cdot C - C -</math><br/> <math>P \gg C - P e P^{\circ} C \ddot{H} C \ddot{I} C \ddot{H} P e P \ddot{e} C \dots P \cdot P^{\circ} C \ddot{I} P s P \pm C - P I C, P^{\circ} C, P s P e C \ddot{I} P \ddot{e} P S C - P I</math><br/> <math>[P \ddot{h} P \ddot{h} P \ddot{Y} P \cdot], C, P^{\circ} P e C - C \sqcup P e C \ddot{H} P^{\circ} P S P s P \gg P^{\circ} P \cdot P \ddot{e} P s, P I P^{\circ} P S P r P_{\mu} C, P^{\circ} P S C - P \pm,</math><br/> <math>P r P s P \gg C r C, P_{\mu} P i C \ddot{H} P^{\circ} P I C - C \ddot{H} C, P^{\circ} C \ddagger P \ddot{e} P j P_{\mu} C, P \ddot{e} P r P \ddot{e} P s), P j P s P \P P_{\mu}</math><br/> <math>P \cdot P \pm C - P \gg C \ddot{H} C \text{€} C r P I P^{\circ} C, P \ddot{e} C \ddot{I} P \ddot{e} C \ddot{I} C, P_{\mu} P j P S C r P_{\mu} P e C \ddot{I} P i P s P \cdot P \ddot{e} C \ddagger C - C \ddot{H}</math><br/> <math>P j P_{\mu} C, C, P s C \ddot{H} P j C - P S C r C, P^{\circ} P i C - P r P I P \ddot{e} C \% C r P I P^{\circ} C, P \ddot{e} C \ddot{H} P \ddot{e} P \cdot P \ddot{e} P e</math><br/> <math>C \ddot{H} P s P \cdot P I P \ddot{e} C, P e C r P \gg P^{\circ} P e C, P s P^{\circ} C \ddagger P \ddot{e} P r P s P \cdot C r (P r P \ddot{e} P I. C \ddot{H} P s P \cdot P r C - P \gg</math><br/> <math>B \ll P \alpha P^{\circ} C \ddot{H} P j P^{\circ} P e P s P \gg P s P i C - C \ddagger P S C - P I P \gg P^{\circ} C \ddot{I} C, P \ddot{e} P I P s C \ddot{I} C, C - B \gg).</math> </p> |
| $P' C, C \ddot{H} C \acute{z} C \nmid P^{\circ} P S P S C \sqcup$                                                                                                                                                                                                                                                                                                                           | <p> <math>P \acute{K} P_{\mu} P s P \pm C \dots C - P r P S P s P I C \ddot{H} P^{\circ} C \dots P s P I C r P I P^{\circ} C, P \ddot{e} P i P_{\mu} C \ddot{H} P_{\mu} P I P^{\circ} P i P \ddot{e} C, P^{\circ}</math><br/> <math>C \ddot{H} P \ddot{e} P \cdot P \ddot{e} P e P \ddot{e} C, P^{\circ} P e P s P i P s P s P r P S P s C \ddagger P^{\circ} C \ddot{I} P S P s P i P s</math><br/> <math>P \cdot P^{\circ} C \ddot{I} C, P s C \ddot{I} C r P I P^{\circ} P S P S C \sqcup.</math> </p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| $P \ddot{h} P \gg P e P s P i P s P \gg C \ddot{H}$                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| $P_{\text{л}}P \gg C - PSC - C \nmid PSP \ddot{P} N_{\text{л}}$<br>$PIP \ddot{P} \gg P \ddot{P} I$                                                                                                                                                                                                                                                                                          | <p> <math>P \ddot{h} P \gg P e P s P i P s P \gg C \ddot{H}, C \sqcup P e P I C - P r P s P j P s, P \cdot P r P^{\circ} C, P_{\mu} P S</math><br/> <math>P i P s C, P_{\mu} P S C \ddagger C - C \ddot{H} P I P^{\circ} C, P \ddot{e} P r C - C \ddot{H} P j P_{\mu} C, C, P s C \ddot{H} P j C - P S C r P S P^{\circ}</math><br/> <math>P j P_{\mu} C, P^{\circ} P \pm P s P \gg C - P \cdot P j P \gg P^{\circ} P e C, P^{\circ} C, C r.</math> </p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| $P' C, C \ddot{H} C \acute{z} C \nmid P^{\circ} P S P S C \sqcup$                                                                                                                                                                                                                                                                                                                           | <p> <math>P_{\mu} P s C, C \ddot{H} C - P \pm P S P s P \cdot P^{\circ} C \ddot{I} C, P_{\mu} C \ddot{H} P_{\mu} P i C, P \ddot{e} P i P^{\circ} C \ddagger C - C'' P S C, C - P I P I C - P r</math><br/> <math>P S P^{\circ} P r P j C - C \ddot{H} P S P s P i P s P I P \P P \ddot{e} P I P^{\circ} P S P S C \sqcup P^{\circ} P \gg P e P s P i P s P \gg C \ddot{H} P i C - P r</math><br/> <math>C \ddagger P^{\circ} C \ddot{I} P \cdot P^{\circ} C \ddot{I} C, P s C \ddot{I} C r P I P^{\circ} P S P S C \sqcup P \gg C - P e P^{\circ} C \ddot{H} C \ddot{I} C \ddot{H} P e P s P i P s</math><br/> <math>P \cdot P^{\circ} C \ddot{I} P s P \pm C r P_{\text{л}} C \ddot{I} C - P i P r C r P s P_{\mu} C \ddot{H} P s P \gg P s P S P i.</math> </p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <p> <math>P \ddagger P S C \ddot{I} C \acute{z} P \gg C - P S P^{\circ} P \pm P s P \cdot P^{\circ} C \ddot{I} P s P \pm P \ddot{e}, C \% P s C \ddot{I} C, P \ddot{e} P j C \acute{z} P \gg C \ddot{H} C \ddot{H} C, C \ddot{H} C \ddot{I} P_{\mu} P e C \ddot{H} P_{\mu} C \ddagger C - C \ddot{H}</math><br/> <math>C - P S C \ddot{I} C \acute{z} P \gg C - P S C \acute{z}</math> </p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

|                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>P<sub>л</sub>P»C-PSC-C#PSPëPN<sub>л</sub><br/>PIPiP»PëPI</i>                                                                                                                         | P PëP·PëPe C <sub>т</sub> PsP·PIPëC,PeC <sub>т</sub> PiC-PiPsPiP»C-PePμPjC-C— PjPsP <sub>т</sub> Pμ<br>PiC-PrPIPëC% <sub>о</sub> C <sub>т</sub> PIP°C,PëC <sub>т</sub> C <sub>т</sub> C <sub>т</sub> C <sub>т</sub> P°P·C- PsPrPSPsC#P°C <sub>т</sub> PSPsPiPs<br>P·P°C <sub>т</sub> C,PсC <sub>т</sub> C <sub>т</sub> PIP°PSPSC <sub>т</sub> P <sub>л</sub> C <sub>т</sub> C-PiPrC <sub>т</sub> Ps PμC <sub>т</sub> PsP»PsSPi P·<br>C-PSC <sub>т</sub> C <sub>т</sub> P»C-PSPsPj P°P±Ps P·P°C <sub>т</sub> PsP±P°PjPë, C% <sub>о</sub> Ps<br>C <sub>т</sub> C,PëPjC <sub>т</sub> P»C <sub>т</sub> C <sub>т</sub> C,CH C <sub>т</sub> PμPeC <sub>т</sub> PμC <sub>т</sub> C-C <sub>т</sub> C-PSC <sub>т</sub> C <sub>т</sub> P»C-PSC <sub>т</sub><br>(PSP°PiC <sub>т</sub> PëPeP»P°Pr, C <sub>т</sub> C <sub>т</sub> P»CHC,,PsPSC-P»C <sub>т</sub> PμC#PsPIPëPSPsC <sub>т</sub> )<br>(PrPëPI. C <sub>т</sub> PsP·PrC-P» B«PhC <sub>т</sub> PsP±P»PëPIPsC <sub>т</sub> C,C-<br>P·P°C <sub>т</sub> C,PсC <sub>т</sub> C <sub>т</sub> PIP°PSPSC <sub>т</sub> B»).                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <i>P'C,C<sub>т</sub>C<sub>т</sub>C#P°PSPSC<sub>т</sub></i>                                                                                                                              | Pj C <sub>т</sub> P°P·C- PsPrPSPsC#P°C <sub>т</sub> PSPsPiPs P·P°C <sub>т</sub> C,PсC <sub>т</sub> C <sub>т</sub> PIP°PSPSC <sub>т</sub><br>PjPsP <sub>т</sub> C <sub>т</sub> C,CH P±C <sub>т</sub> C,Pë PiPsC,C <sub>т</sub> C-P±PSC- PSPëP <sub>т</sub> C#C- PrPsP·Pë<br>C-PSC <sub>т</sub> C <sub>т</sub> P»C-PSC <sub>т</sub> P°P±Ps P·P°C <sub>т</sub> PsP±C-PI, C% <sub>о</sub> Ps<br>C <sub>т</sub> C,PëPjC <sub>т</sub> P»C <sub>т</sub> C <sub>т</sub> C,CH C <sub>т</sub> PμPeC <sub>т</sub> PμC <sub>т</sub> C-C <sub>т</sub> C-PSC <sub>т</sub> C <sub>т</sub> P»C-PSC <sub>т</sub> ,<br>C% <sub>о</sub> PsP± P·PSPëP·PëC,Pë C <sub>т</sub> PëP·PëPe C <sub>т</sub> PsP·PIPëC,PeC <sub>т</sub><br>PiC-PiPsPiP»C-PePμPjC-C—.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <i>P&gt;C-PeP°C<sub>т</sub>C<sub>т</sub>CHPeC- P·P°C<sub>т</sub>PsP±Pë, C%<sub>о</sub>Ps PIPiP»PëPIP°CHC,CH PSP°<br/>PiP»C-PePμPjC-C#PSPëPN<sub>л</sub> PePsPSC,C<sub>т</sub>PsP»CH</i> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <i>P<sub>л</sub>P»C-PSC-C#PSPëPN<sub>л</sub><br/>PIPiP»PëPI</i>                                                                                                                         | P°PμC <sub>т</sub> PeC- P»C-PeP°C <sub>т</sub> C <sub>т</sub> CHPeC- P·P°C <sub>т</sub> PsP±Pë<br>PiC-PrPIPëC% <sub>о</sub> C <sub>т</sub> C <sub>т</sub> C,CH C <sub>т</sub> PëP·PëPe C <sub>т</sub> PsP·PIPëC,PeC <sub>т</sub><br>PiC-PiPμC <sub>т</sub> PiP»C-PePμPjC-C— C,P° PjPsP <sub>т</sub> C <sub>т</sub> C,CH PiC <sub>т</sub> PëP·PIPμC <sub>т</sub> C,Pë<br>PrPs PIC,C <sub>т</sub> P°C,Pë PiP»C-PePμPjC-C#PSPsPiPs PePsPSC,C <sub>т</sub> PsP»CH. P°Ps<br>C,P°PePëC... P»C-PeP°C <sub>т</sub> C <sub>т</sub> CHPePëC... P·P°C <sub>т</sub> PsP±C-PI<br>PSP°P»PμP <sub>т</sub> P°C,CH C,C-P°P·PëPrPë C,P° C-PSC&C- PrC-C <sub>т</sub> C <sub>т</sub> PμC,PëPePë,<br>PePsC <sub>т</sub> C,PëPePsC <sub>т</sub> C,PμC <sub>т</sub> PsC—PrPë, C,,PμPSPsC,C-P°P·PëPSPë,<br>PiPsC <sub>т</sub> PjPsPSPë C% <sub>о</sub> PëC,PsPIPëPrPSPsC— P·P°P»PsP·Pë,<br>PμC <sub>т</sub> C,C <sub>т</sub> PsPiPμPSPë, PiPμC <sub>т</sub> PsC <sub>т</sub> P°P»CHPSC-<br>PiC <sub>т</sub> PsC,PëP·P°PiP»C-PrPSC- P·P°C <sub>т</sub> PsP±Pë, C,,PμPSC-C,PsC—PS,<br>PSC-PePsC,PëPSPsPIP° PePëC <sub>т</sub> P»PsC,P°, C <sub>т</sub> PëPjPiP°C,PsPjC-PjPμC,PëPePë,<br>P±P»PsPeP°C,PsC <sub>т</sub> Pë PeP°P»CHC <sub>т</sub> C-C"PIPëC... PeP°PSP°P»C-PI C,P°<br>C-P·PsPSC-P°P·PëPr.                                                                                                                                                                                                                                                       |
| <i>P'C,C<sub>т</sub>C<sub>т</sub>C#P°PSPSC<sub>т</sub></i>                                                                                                                              | P <sub>л</sub> PsP»Pë C,P°PeC- P»C-PeP°C <sub>т</sub> C <sub>т</sub> CHPeC- P·P°C <sub>т</sub> PsP±Pë<br>PiC <sub>т</sub> PëP·PSP°C#P°CHC,CH PiP°C <sub>т</sub> C-C"PSC,C <sub>т</sub> C <sub>т</sub> PePëPN <sub>л</sub> PsC,C <sub>т</sub> PëPjC <sub>т</sub> C"<br>P <sub>л</sub> C <sub>т</sub> C-PiPrC <sub>т</sub> Ps PμC <sub>т</sub> PsP»PsSPi, PSPμPsP±C...C-PrPSPs<br>PIC <sub>т</sub> C,P°PSPsPIPëC,Pë P·P° PSPëPj C <sub>т</sub> PμC,PμP»CHPSPμ<br>C <sub>т</sub> PiPsC <sub>т</sub> C,PμC <sub>т</sub> PμP <sub>т</sub> PμPSPSC <sub>т</sub> P· PjPμC,PsC <sub>т</sub> PrC-P°PiPSPsC <sub>т</sub> C,PëPePë<br>PIC,C <sub>т</sub> P°C,Pë PePsPSC,C <sub>т</sub> PsP»CH PSP°Pr C <sub>т</sub> C-PIPSPμPj PiP»CHPePsP·Pë<br>PI PeC <sub>т</sub> PsPIC-. P <sub>л</sub> PsP»Pë P·P°C <sub>т</sub> C,PсC <sub>т</sub> C <sub>т</sub> PIP°PSPSC <sub>т</sub> C,P°PePëC...<br>P»C-PeP°C <sub>т</sub> C <sub>т</sub> CHPePëC... P·P°C <sub>т</sub> PsP±C-PI PIC-PrPjC-PSC <sub>т</sub> C <sub>т</sub> C,CH<br>PrP»C <sub>т</sub> PiP°C <sub>т</sub> C-C"PSC,P°, C <sub>т</sub> PePëPN <sub>л</sub> PsC,C <sub>т</sub> PëPjC <sub>т</sub> C" P <sub>л</sub> C <sub>т</sub> C-PiPrC <sub>т</sub> Ps<br>PμC <sub>т</sub> PsP»PsSPi, PSPμPsP±C...C-PrPSPs PIC <sub>т</sub> C,P°PSPsPIPëC,Pë P·P°<br>PSPëPj C <sub>т</sub> PμC,PμP»CHPSPμ C <sub>т</sub> PiPsC <sub>т</sub> C,PμC <sub>т</sub> PμP <sub>т</sub> PμPSPSC <sub>т</sub> C% <sub>о</sub> PsPrPs<br>C <sub>т</sub> PsP·PIPëC,PeC <sub>т</sub> PiC-PiPsPiP»C-PePμPjC-C—. |
| <i>P&gt;C-C,C-PN<sub>л</sub></i>                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <i>P<sub>л</sub>P»C-PSC-C#PSPëPN<sub>л</sub><br/>PIPiP»PëPI</i>                                                                                                                         | PhPrPSPsC#P°C <sub>т</sub> PSPμ P·P°C <sub>т</sub> C,PсC <sub>т</sub> C <sub>т</sub> PIP°PSPSC <sub>т</sub><br>C-PSPiC-P±C-C,PсC <sub>т</sub> P° PkP—P <sub>л</sub> P <sub>т</sub> P"-2 P· P»C-C,C-C"Pj PjPsP <sub>т</sub> Pμ<br>C <sub>т</sub> PiC <sub>т</sub> PëC#PëPSPëC,Pë P·PjPμPSCëPμPSPSC <sub>т</sub><br>PePsPSC <sub>т</sub> PμPSC,C <sub>т</sub> P°C <sub>т</sub> C-C— P»C-C,C-C <sub>т</sub> PI C <sub>т</sub> PëC <sub>т</sub> PsPIP°C,C <sub>т</sub> C-<br>PeC <sub>т</sub> PsPIC-.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <i>P'C,C<sub>т</sub>C<sub>т</sub>C#P°PSPSC<sub>т</sub></i>                                                                                                                              | PkP° PiPsC#P°C,PeC <sub>т</sub> P»C-PeC <sub>т</sub> PIP°PSPSC <sub>т</sub> P·P° PrPsPiPsPjPsPiPsC <sub>т</sub><br>P <sub>л</sub> C <sub>т</sub> C-PiPrC <sub>т</sub> Ps PμC <sub>т</sub> PsP»PsSPi PiPsC,C <sub>т</sub> C-P±PSPs C#P°C <sub>т</sub> C,C-CëPμ<br>PePsPSC,C <sub>т</sub> PsP»CHPIP°C,Pë PePsPSC <sub>т</sub> PμPSC,C <sub>т</sub> P°C <sub>т</sub> C-C <sub>т</sub> P»C-C,C-C <sub>т</sub> PI<br>C <sub>т</sub> PëC <sub>т</sub> PsPIP°C,C <sub>т</sub> C- PeC <sub>т</sub> PsPIC-; PjPsP <sub>т</sub> Pμ P·PSP°PrPsP±PëC,PëC <sub>т</sub> CH<br>P·PjC-PSP° PrPsP·Pë.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <i>PμPsP·PëC,PëPIPSPëPN<sub>л</sub> C,PμC<sub>т</sub>C, PSP° PSP°C<sub>т</sub>PIPSC-C<sub>т</sub>C,CH PiP»CHPePsP·Pë PI C<sub>т</sub>PμC#C-</i>                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>P<sub>л</sub>P»C-PSC-C‡PSPëPN<sub>6</sub><br/>PIPİP»PëPI</i>                                                      | P†PSPiC-P±C-C,PsCḡPë PќP—P <sub>л</sub> PŷP“-2 P·P±C-P»CHC€C†CḡC,CH<br>P <sub>μ</sub> PeC†PeCḡP <sub>μ</sub> C†C-Cḡ PiP»CḡPePsP·Pë P· C†P <sub>μ</sub> C‡P <sub>μ</sub> Cḡ, C- C†P <sub>μ</sub><br>P†CḡPëP·PIPsPrPëC,CH PrPs PsC,CḡPëPjP°PSPSCḡ PİPsP·PëC,PëPIPSPëC...<br>CḡP <sub>μ</sub> P·C†P»CHC,P°C,C-PI P†CḡPë PIPëP·PSP°C‡P <sub>μ</sub> PSPSC- PIPjC-C†C,C†<br>PiP»CḡPePsP·Pë PI C†P <sub>μ</sub> C‡C-.                                                                                                                                                                                                                               |
| <i>P'C,CḡC¿C‡P°PSPSCḡ</i>                                                                                            | P <sub>л</sub> PsPSC-C,PsCḡPëPSPi PiP»C-PeP <sub>μ</sub> PjC-C‡PSPsPiPs PePsPSC,CḡPsP»Cḡ P·<br>P†CḡPsPIP <sub>μ</sub> PrP <sub>μ</sub> PSPSCḡPj C,P <sub>μ</sub> C†C,C-PI PSP° PSP°CḡPIPSC-C†C,CH<br>PiP»CḡPePsP·Pë PI C†P <sub>μ</sub> C‡C- PSP <sub>μ</sub> CḡP <sub>μ</sub> PePsPjP <sub>μ</sub> PSPrC†C"C,CHC†Cḡ<br>PİP°C†C-C"PSC,P°Pj, CḡPeC- P†CḡPëP <sub>л</sub> PjP°CḡC,CH<br>C-PSPiC-P±C-C,PsCḡPë PќP—P <sub>л</sub> PŷP“-2. P"»Cḡ PjPsPSC-C,PsCḡPëPSPiC†<br>PiP»C-PeP <sub>μ</sub> PjC-C‡PSPsPiPs PePsPSC,CḡPsP»Cḡ C†P»C-Pr<br>PIPëPePsCḡPëC†C,PsPIC†PIP°C,Pë P°P»CHC,P <sub>μ</sub> CḡPSP°C,PëPIPSC-<br>PjP <sub>μ</sub> C,PsPrPë. |
| <i>P†PSC,P<sub>μ</sub>CḡC,,P<sub>μ</sub>CḡP<sub>μ</sub>PSC†C-Cḡ P· 1,5-P°PSPiC-PrCḡPsPiP»CḡC†PëC,PsPj (1,5-PḡP")</i> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <i>P<sub>л</sub>P»C-PSC-C‡PSPëPN<sub>6</sub><br/>PIPİP»PëPI</i>                                                      | P·PëPjC-CḡCḡPIP°PSPSCḡ CḡC-PIPS-PI 1,5-PḡP" C"<br>PSP <sub>μ</sub> PSP°PrC-PN <sub>6</sub> PSPëPj PjP <sub>μ</sub> C,PsPrPsPj PrPsC†P»C-PrP¶P <sub>μ</sub> PSPSCḡ<br>PiP»C-PeP <sub>μ</sub> PjC-C‡PSPsPiPs C†C,P°PSC† PİP°C†C-C"PSC,C-PI, CḡPeC-<br>P†CḡPëP <sub>л</sub> PjP°CḡC,CH C-PSPiC-P±C-C,PsCḡPë PќP—P <sub>л</sub> PŷP“-2.                                                                                                                                                                                                                                                                                                           |
| <i>P'C,CḡC¿C‡P°PSPSCḡ</i>                                                                                            | P <sub>л</sub> PsPSC-C,PsCḡPëPSPi PiP»C-PeP <sub>μ</sub> PjC-C‡PSPsPiPs PePsPSC,CḡPsP»Cḡ P·<br>P†CḡPsPIP <sub>μ</sub> PrP <sub>μ</sub> PSPSCḡPj P°PSP°P»C-P·C† PSP° PIPëP·PSP°C‡P <sub>μ</sub> PSPSCḡ<br>1,5-PḡP" PSP <sub>μ</sub> CḡP <sub>μ</sub> PePsPjP <sub>μ</sub> PSPrC†C"C,CHC†Cḡ. P"»Cḡ<br>PjPsPSC-C,PsCḡPëPSPiC† PiP»C-PeP <sub>μ</sub> PjC-C‡PSPsPiPs PePsPSC,CḡPsP»Cḡ<br>C†P»C-Pr PIPëPePsCḡPëC†C,PsPIC†PIP°C,Pë<br>P°P»CHC,P <sub>μ</sub> CḡPSP°C,PëPIPSC- PjP <sub>μ</sub> C,PsPrPë.                                                                                                                                            |

***PḡC†PsP±P»PëPIPsC†C,C- P·P°C†C,PsC†C¿PIP°PSPSCḡ.***

P>P°PeC,PsP°C†PëPrPsP·

PJ PiC-CTP»CΠCTHPμC"CTC,CTHP°CTC-PNεPSPëPNε PiPμCTHC-PsPr

PiPsPIC-PrPsPjP»CΠP»PsCTCH PiCTHPs PiPëPiP°PrPePë P»P°PeC,PsP°C†PëPrPsP·Cr,

PiPsPIB<sup>TM</sup> CΠP·P°PSPsPiPs C-P· P·P°CTC,PsCTCrPIP°PSPSCΠPj PjPμC,C,,PsCTHPjC-PSCr,

PIPeP»CTHC†P°CTHC†Pë P»PμC,P°P»CHHPSC- PiPëPiP°PrPePë. PJ C†PëC... PiPëPiP°PrPeP°C...

PjPsP»PsC†PSPsPePëCTP»PëPNε P»P°PeC,PsP°C†PëPrPsP· PiPsC†PëPSP°PICCTC PjP°PNεPΠPμ

PSPμPiPsPjC-C,PSPs C- CTCrPiCTHPsPiPsPrPΠCrPIP°PICCTC PSpμCTPiPμC†PëC,,C-C†PSPëPjPë

CTPëPjPiC,PsPjP°PjPë, C,P°PePëPjPë CΠPe PSPμP·PrCrPΠP°PSPSCΠ, PjC-P°P»PiC-CΠ,

P°P±PrPsPjC-PSP°P»CHHPSPëPNε P±C-P»CH, CTHPμCTPiC-CTHP°C,PsCTHPSPëPNε

PrPëCTC,CTHPμCT P°P±Ps PiPsCTPëP»PμPSPSCΠ CTPsPSP»PëPiPsCTC,C-; PiCTHPsC,Pμ PiCTHPë

C,CΠPΠPePsPjCr P°C†PëPrPsP·C- CTPiPsCTC,PμCTHC-PiP°P»PëCTC PjC-PiPsC,PμCTHPjC-CΠ,

P°CTHC,PμCTHC-P°P»CHHPSP° PiC-PiPsC,PμPSP·C-CΠ C,P° CTHPμP·PëCTC,PμPSC,PSP°

P±CTHP°PrC-P°CTHPëC,PjC-CΠ.

P>P°PeC,PsP°C†PëPrPsP·, PiPsPIB<sup>TM</sup> CΠP·P°PSPëPNε C-P· P·P°CTC,PsCTCrPIP°PSPSCΠPj

PjPμC,C,,PsCTHPjC-PSCr, C...P°CTHP°PeC,PμCTHPëP·CrPIP°PICCTC PiC-PrPiPëC%PμPSPSCΠPj

PePsPSC†PμPSC,CTHP°CTC-PNε P»P°PeC,P°C,Cr PI PeCTHPsPIC- (> 5 PjPjPsP»CH/P»),

P°C†PëPrPsP·PsPj C-P· P°PSC-PsPSPSPëPj C-PSC,PμCTHPiP°P»PsPj (P±PμP· PsP·PSP°Pe

PePμC,PsPSCrCTHC-C— P°P±Ps PePμC,PsPSPμPjC-C—) C,P° P·P±C-P»CHC€PμPSPSCΠPj

CTPiC-PIPIC-PrPSPsC€PμPSPSCΠ P»P°PeC,P°C,: PiC-CTHC†PIP°C,: CTHC-PIPSC-

PjPμC,C,,PsCTHPjC-PSCr Cr PiP»P°P·PjC- PeCTHPsPIC- P·P°P·PiPëC†P°PNε CTc,P°PSPsPiPëP»Pë

> 5 PjPePi/PjP». PμPμC,C,,PsCTHPjC-PS P·PSPëPΠCrC" P·P°C...PsPiP»PμPSPSCΠ

P»P°PeC,P°C,Cr PiPμC†C-PSPePsCTH, PiC-PrPiPëC%CrCTHC†Pë CTHC-PIPSC- P»P°PeC,P°C,Cr

Cr PeCTHPsPIC-, C%Ps P·P±C-P»CHC€CrC" CTHPëP·PëPe CTHPsP·PiPëC,PeCr

P»P°PeC,PsP°C†PëPrPsP·Cr, PsCTPsP±P»PëPiPs Cr PiP°CTC-C"PSC,C-PI PiCTHC†PiPë

CTHPëP·PëPeCr.

PJ CTHP°P·C- PiC-PrPsP·CTHPë PSP° P»P°PeC,PsP°C†PëPrPsP·, PiPsPIB<sup>TM</sup> CΠP·P°PSPëPNε C-P·

P·P°CTC,PsCTCrPIP°PSPSCΠPj PjPμC,C,,PsCTHPjC-PSCr, PiPsC,CTHC-P±PSPs PSPμPiP°PNεPSPs

PIPΠPëC,Pë PiC-PrC,CTHPëPjCrPIP°P»CHHPSPëC... P·P°C...PsPrC-PI PI CrPjPsPiP°C...

CTC,P°CTC-PsPSP°CTCr, P° C,P°PePsPΠ PSPμPiP°PNεPSPs PiCTHPëPiPëPSPëC,Pë

P·P°CTC,PsCTCrPIP°PSPSCΠ P»C-PeP°CTHC†CHPePsPiPs P·P°CTPsP±Cr PμCTC-PiPrCrPs

PμCTHPsP»PsPSPi.

PiPeC%Ps Cr PiP°CTC-C"PSC,C-PI, CΠPePëC... P»C-PeCrCTHC,CH P»C-PeP°CTHC†CHPePëPj

P·P°CTPsP±PsPj PμCTC-PiPrCrPs PμCTHPsP»PsPSPi, PrC-P°PiPSPsCTC,PsPiP°PSPs

P»P°PeC,PsP°C†PëPrPsP· P°P±Ps C" CTPμCTHPNεPsP·PSP° PiC-PrPsP·CTHP° PSP° PNεPsPiPs

PSP°CΠIPSC-CTC,CH, CTHPμPePsPjPμPSPrCrC"C,CHCTC PSpμPiP°PNεPSPs

PiCTHPsPiPμCTC,Pë PiPμPjPsPrC-P°P»C-P· P· PjPμC,PsCTH PePsCTHPμPeC†C-C— P°C†PëPrPsP·Cr

C,P° PiPëPiPμPrPμPSPSCΠ PSP°PePsPiPëC†PμPSPsPiPs PjPμC,C,,PsCTHPjC-PSCr

(PjPμC,C,,PsCTHPjC-PSCr PiC-PrCTHPsC...P»PsCTHPëPr PiPëPiPsPrPëC,CHCTC C€P»CΠC...PsPj

PrC-P°P»C-P·Cr C-P· PeP»C-CTHPμPSC†PsPj PrPs 170 PjP»/C...PI P·P° CrPjPsPi

PSP°P»PμPΠPSPsC— PiPμPjPsPrPëPSP°PjC-PePë). P" PμPjPsPrC-P°P»C-P· C†P°CTC,Ps

CTPiCTHPëCΠPI P·PSPëPePSPμPSPSCr CTPëPjPiC,PsPjC-PI C,P° PsPrCrPΠP°PSPSCr

PiP°CTC-C"PSC,P°.

PkPμPsP±C...C-PrPSPs PiPsPIC-PrPsPjPëC,Pë PiP°CTC-C"PSC,P°Pj C,P° C—C...PSC-Pj

CTHPsPrPëPSP°Pj PiCTHPs CTPëPjPiC,PsPjPë P»P°PeC,PsP°C†PëPrPsP·Cr C-

PiCTHPsC-PSCrCTC,CTCrPeC,CrPIP°C,Pë C—C..., C%PsP± Cr CTHP°P·C- PiPsCΠIPë C†PëC...

CTPëPjPiC,PsPjC-PI PiPsPSPë PiCTHPëPiPëPSPëP»Pë P·P°CTC,PsCTCrPIP°PSPSCΠ

P»C-PeP°CTHC†CHPePsPiPs P·P°CTPsP±Cr PμCTC-PiPrCrPs PμCTHPsP»PsPSPi C,P°

PiPsPIC-PrPsPjPëP»Pë PiCTHPs PiPsCΠPICr C†PëC... CTPëPjPiC,PsPjC-PI CTPiPsC"PjCr

P»C-PeP°CTHC.

P"P»CΠ PePsPΠPSPsPiPs P· PIC-PrPsPjPëC... C- PjPsPΠP»PëPiPëC... C,,P°PeC,PsCTHC-PI

CTHPëP·PëPeCr PiPëPSPëPePSPμPSPSCΠ P»P°PeC,PsP°C†PëPrPsP·Cr Cr P·PIB<sup>TM</sup> CΠP·PeCr

C-P· P·P°CTC,PsCTCrPIP°PSPSCΠPj PjPμC,C,,PsCTHPjC-PSCr, PSPëPΠC†Pμ PSP°PiPμPrPμPSPs

CTHPμPePsPjPμPSPrP°CTC-C— C%PsPrPs P·PSPëPΠPμPSPSCΠ C,P°PePsPiPs CTHPëP·PëPeCr

C,P° PePsCTHPμPeC†C-C— P»P°PeC,PsP°C†PëPrPsP·Cr, PiPsPIB<sup>TM</sup> CΠP·P°PSPsPiPs C-P·

P·P°CTC,PsCTCrPIP°PSPSCΠPj PjPμC,C,,PsCTHPjC-PSCr.

*РμPsCḡCáC€PμPSPSCḡ C,,CáPSPeC†C-C— PSPëCḡPsPe. P'PëPïP°PrPePë*  
*P»P°PeC,PsP°C†PëPrPsP·Cḡ, PïPsPIḡḡ™ CḡP·P°PSPsPiPs C-P· P·P°CḡC,PsCḡCḡPIP°PSPSCḡPj*  
*PjPμC,C,,PsCḡPjC-PSCḡ, Cḡ PïC-CḡP»CḡCḡPμC"ḡC,CḡP°C†C-PMḡPSPëPMḡ PïPμCḡC-PsPr*  
*PïPμCḡPμPIP°PḡPSPs C,CḡP°PïP»CḡP»PëCḡCḡ Cḡ PïP°C†C-C"ḡPSC,C-PI P·C- P·PSP°C†PSPëPjPë*  
*PïPsCḡCḡC€PμPSPSCḡPjPë C,,CḡPSPeC†C-C— PSPëCḡPsPe. P PëP·PëPe PeCḡPjCḡP»CḡC†C-C—*  
*PjPμC,C,,PsCḡPjC-PSCḡ C,P° CḡPsP·PIPëC,PeCḡ P»P°PeC,PsP°C†PëPrPsP·Cḡ,*  
*PïPsPIḡḡ™ CḡP·P°PSPsPiPs C-P· P·P°CḡC,PsCḡCḡPIP°PSPSCḡPj PjPμC,C,,PsCḡPjC-PSCḡ,*  
*P·CḡPsCḡC,P°C" P·C- P·P±C-P»CḡC€PμPSPSCḡPj C,CḡPḡPePsCḡC,C- PïPsCḡCḡC€PμPSPSCḡ*  
*C,,CḡPSPeC†C-C— PSPëCḡPsPe, PsCḡPeC-P»CḡPePë PjPμC,C,,PsCḡPjC-PS P·PSP°C†PSPsCḡ*  
*PjC-CḡPsCḡ PIPëPIPsPrPëC,CḡCḡCḡ PSPëCḡPeP°PjPë. PḡP»C-PSC-C†PSC-*  
*CḡPμPePsPjPμPSPrP°C†C-C— PSP° PsCḡPSPsPIC- CḡC,P°PSCḡ C,,CḡPSPeC†C-C— PSPëCḡPsPe*  
*PïP°C†C-C"ḡPSC,P° PIPeP»CḡC†P°CḡC,Cḡ (PrPëPI. CḡPsP·PrC-P»Pë B«PḡPïPsCḡC-P±*  
*P·P°CḡC,PsCḡCḡPIP°PSPSCḡ C,P° PrPsP·PëB», B«P»P°CḡPjP°PePsP»PsPiC-C†PSC-*  
*PIP»P°CḡC,PëPIPsCḡC,C-B»):*

- *РμPμCḡPμPr PïPsC†P°C,PePsPj C,PμCḡP°PïC-C— P»C-PeP°CḡCḡCḡPePëPj P·P°CḡPsP±PsPj*  
*РḡCḡC-PiPrCḡPs РμCḡPsP»PsPSPi PSPμPsP±C...C-PrPSPs CḡPsP·CḡP°C...CḡPIP°C,Pë*  
*C€PIPëPrPeC-CḡC,Cḡ PeP»CḡP±PsC†PePsPIPsC— C,,C-P»CḡC,CḡP°C†C-C— (CḡPëPḡPḡ).*
- *РḡCḡC-PiPrCḡPs РμCḡPsP»PsPSPi PïCḡPsC,PëPïPsPeP°P·P°PSPëPMḡ PïP°C†C-C"ḡPSC,P°Pj*  
*C-P· CḡPëPḡPḡ PjPμPSC€Pμ 30 PjP»/C...PI/1,73 Pj<sup>2</sup> (PrPëPI. CḡPsP·PrC-P»*  
*B«РμCḡPsC,PëPïPsPeP°P·P°PSPSCḡB»).*
- *В CḡPëPḡPḡ CḡP»C-Pr PIPëP·PSP°C†P°C,Pë C%ḡPsPSP°PMḡPjPμPSC€Pμ C%ḡPsCḡPsPeCḡ*  
*PICḡC-Pj PïP°C†C-C"ḡPSC,P°Pj, CḡPeC- PsC,CḡPëPjCḡCḡC,Cḡ РḡCḡC-PiPrCḡPs*  
*РμCḡPsP»PsPSPi. РμP°C†C-C"ḡPSC,P°Pj, CḡPeC- PjP°CḡC,Cḡ PïC-PrPIPëC%ḡPμPSPëPMḡ*  
*CḡPëP·PëPe PïPsCḡCḡC€PμPSPSCḡ C,,CḡPSPeC†C-C— PSPëCḡPsPe (PSP°PïCḡPëPeP»P°Pr,*  
*PsCḡPsP±Pë P»C-C,PSCHḡPsPiPs PIC-PeCḡ), C,,CḡPSPeC†C-Cḡ PSPëCḡPsPe CḡP»C-Pr*  
*PsC†C-PSCHḡPIP°C,Pë C†P°CḡC,C-C€Pμ.*

*P'P·P°C"ḡPjPsPrC-Cḡ P· P»C-PeP°CḡCḡCḡPePëPjPë P·P°CḡPsP±P°PjPë. PhPrPSPsC†P°CḡPSPμ*  
*P·P°CḡC,PsCḡCḡPIP°PSPSCḡ P»C-PeP°CḡCḡCḡPePsPiPs P·P°CḡPsP±Cḡ РḡCḡC-PiPrCḡPs*  
*РμCḡPsP»PsPSPi C-P· PïPμPIPSPëPjPë P»C-PeP°CḡCḡCḡPePëPjPë P·P°CḡPsP±P°PjPë*  
*PïC-PrPIPëC%ḡCḡ" CḡPëP·PëPe CḡPsP·PIPëC,PeCḡ P»P°PeC,PsP°C†PëPrPsP·Cḡ,*  
*PïPsPIḡḡ™ CḡP·P°PSPsPiPs C-P· P·P°CḡC,PsCḡCḡPIP°PSPSCḡPj PjPμC,C,,PsCḡPjC-PSCḡ; PrPs*  
*PSPëC... PSP°P»PμPḡP°C,Cḡ P»C-PeP°CḡCḡCḡPeC- P·P°CḡPsP±Pë, C%ḡPs*  
*PïPsCḡCḡC€CḡCḡC,Cḡ C,,CḡPSPeC†C-Cḡ PSPëCḡPsPe, PïCḡPëP·PIPsPrCḡC,Cḡ PrPs*  
*P·PSP°C†PSPëC... P·PjC-PS PïPμPjPsPrPëPSP°PjC-PePë, PIPïP»PëPIP°CḡC,Cḡ PSP°*  
*PePëCḡP»PsC,PSPs-P»CḡPḡPSPëPMḡ CḡC,P°PS P°P±Ps PïPsCḡPëP»CḡCḡC,Cḡ*  
*PeCḡPjCḡP»CḡC†C-Cḡ PjPμC,C,,PsCḡPjC-PSCḡ (P·PsPeCḡPμPjP° PeP°C,C-PsPSPSC-*  
*P»C-PeP°CḡCḡCḡPeC- P·P°CḡPsP±Pë) (PrPëPI. CḡPsP·PrC-P» B«P'P·P°C"ḡPjPsPrC-Cḡ P·*  
*C-PSC€PëPjPë P»C-PeP°CḡCḡCḡPePëPjPë P·P°CḡPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë*  
*PIP·P°C"ḡPjPsPrC-PMḡB»). PḡPsPjCḡ PjPsPḡPμ P±CḡC,Pë PrPsC†C-P»CḡPSPëPMḡ P±C-P»CḡC€*  
*C†P°CḡC,PëPMḡ PePsPSC,CḡPsP»Cḡ CḡC,P°PSCḡ C,P°PePëC... PïP°C†C-C"ḡPSC,C-PI.*

*P'C-Pe 65 CḡPsPeC-PI C- CḡC,P°CḡC€Pμ. P PëP·PëPe CḡPsP·PIPëC,PeCḡ*  
*P»P°PeC,PsP°C†PëPrPsP·Cḡ, PïPsPIḡḡ™ CḡP·P°PSPsPiPs C-P· P·P°CḡC,PsCḡCḡPIP°PSPSCḡPj*  
*PjPμC,C,,PsCḡPjC-PSCḡ, P·CḡPsCḡC,P°C" P·C- P·P±C-P»CḡC€PμPSPSCḡPj PIC-PeCḡ,*  
*PsCḡPeC-P»CḡPePë Cḡ PïP°C†C-C"ḡPSC,C-PI P»C-C,PSCHḡPsPiPs PIC-PeCḡ C†P°CḡC,C-C€Pμ*  
*C,CḡP°PïP»CḡC"ḡC,CḡCḡCḡ PïPsCḡCḡC€PμPSPSCḡ C,,CḡPSPeC†C-C— PïPμC†C-PSPePë,*  
*PSPëCḡPsPe P°P±Ps CḡPμCḡC†Cḡ, PSC-Pḡ Cḡ PïP°C†C-C"ḡPSC,C-PI P±C-P»CḡC€*  
*PjPsP»PsPrPsPiPs PIC-PeCḡ. РμP°C†C-C"ḡPSC,P°Pj P»C-C,PSCHḡPsPiPs PIC-PeCḡ CḡP»C-Pr*  
*C†P°CḡC,C-C€Pμ PsC†C-PSCḡPIP°C,Pë C,,CḡPSPeC†C-Cḡ PSPëCḡPsPe (PrPëPI. CḡPsP·PrC-P»*

$P-P \gg PsPIP \nparallel P\ddot{e}PIP^{\circ}PSPSC \sqcup P^{\circ}P \gg PePsPiPsP \gg P\mu Pj$ .  $P\mathfrak{h}P \gg PePsPiPsP \gg CH\mathfrak{b} \text{ PiPsC}, P\mu PSC \uparrow C-CHC''$   
 $PIP\ddot{i}P \gg P\ddot{e}PI \text{ PjP}\mu C, C,, PsC\mathfrak{h}PjC-PSCr \text{ PSP}^{\circ} \text{ PjP}\mu C, P^{\circ}P \pm PsP \gg C-P \cdot Pj \text{ P} \gg P^{\circ}PeC, P^{\circ}C, Cr, C\%Ps \text{ PjPsP} \nparallel P\mu$   
 $P \cdot P \pm C-P \gg CHC\mathfrak{e}CrPIP^{\circ}C, P\ddot{e} \text{ C}\mathfrak{h}P\ddot{e}P \cdot P\ddot{e}Pe \text{ C}\mathfrak{h}PsP \cdot PIP\ddot{e}C, PeCr \text{ P} \gg P^{\circ}PeC, PsP^{\circ}C \uparrow P\ddot{e}PrPsP \cdot Cr,$   
 $PiPsPiB\mathfrak{h}^{\text{TM}} \text{ C}\sqcup P \cdot P^{\circ}PSPsPiPs \text{ C-P} \cdot P \cdot P^{\circ}C\uparrow C, PsC\uparrow CrPIP^{\circ}PSPSC \sqcup Pj \text{ PjP}\mu C, C,, PsC\mathfrak{h}PjC-PSCr.$

$\text{P}_{\mu}\text{P}^{\circ}\text{C}^{\dagger}\text{C}-\text{C}''\text{PSC}, \text{C}-\text{PI}, \text{C}^{\dagger} \text{C}\text{IPeP}\ddot{\text{C}}\text{C} \dots \text{PSP}^{\circ} \text{C}, \text{PsPSC}-\text{P}\cdot\text{P}^{\circ}\text{C}^{\dagger}\text{C}, \text{PsC}^{\dagger}\text{C}^{\dagger}\text{PIP}^{\circ}\text{PSPSC}\text{C}\text{I}$   
 $\text{P}\gg\text{C}-\text{PeP}^{\circ}\text{C}\overline{\text{C}}\text{C}^{\dagger}\text{CHPePsPiPs} \text{P}\cdot\text{P}^{\circ}\text{C}^{\dagger}\text{PsP}\pm\text{C}^{\dagger} \text{P}\overline{\text{C}}\text{C}^{\dagger}\text{C}-\text{PiPrC}^{\dagger}\text{Ps} \text{P}_{\mu}\text{C}\overline{\text{C}}\text{PsP}\gg\text{PsPSPi}$   
 $\text{PIP}\ddot{\text{P}}\text{PSP}\ddot{\text{P}}\text{PeP}^{\circ}\text{C}\overline{\text{C}}\text{C}, \text{CH} \text{C}^{\dagger}\text{P}\ddot{\text{P}}\text{PjPiC}, \text{PsPjP}\ddot{\text{C}} \text{C}, \text{C}\text{IP}\overline{\text{P}}\text{PePsPiPs} \text{PjP}_{\mu}\text{C}, \text{P}^{\circ}\text{P}\pm\text{PsP}\gg\text{C}-\text{C}\ddagger\text{PSPsPiPs}$   
 $\text{P}^{\circ}\text{C}^{\dagger}\text{P}\ddot{\text{P}}\text{PrPsP}\cdot\text{C}^{\dagger}, \text{PiPsC}, \text{C}\overline{\text{C}}\text{C}-\text{P}\pm\text{PSPs} \text{PsP}\pm\text{C}^{\dagger}\text{C}, \text{P}_{\mu}\text{P}\overline{\text{P}}\text{P}\ddot{\text{C}}, \text{P}\ddot{\text{C}} \text{PSP}^{\circ} \text{PSP}^{\circ}\text{C}\text{IPIPSC}-\text{C}^{\dagger}\text{C}, \text{CH}$   
 $\text{PeP}_{\mu}\text{C}, \text{PsP}^{\circ}\text{C}^{\dagger}\text{P}\ddot{\text{P}}\text{PrPsP}\cdot\text{C}^{\dagger}, \text{PSP}_{\mu}\text{P}\cdot\text{P}^{\circ}\text{P}\gg\text{P}_{\mu}\text{P}\overline{\text{P}}\text{PSPs} \text{PIC}-\text{Pr} \text{PePsPSC}\ddagger\text{P}_{\mu}\text{PSC}, \text{C}\overline{\text{C}}\text{P}^{\circ}\text{C}^{\dagger}\text{C}-\text{C}-$

PiP»CḤPePsP·Pë Cr PeCḤPsPIC-, PsCÍPeC-P»CḤPePë PSP° C,P»C- P·P°CÍC,PsCÍCÍPIP°PSPSCÍ P»C-PeP°CḤCÍCḤPePsPiPs P·P°CÍPsP±CÍ PḤCÍC-PiPrCÍPs PḡCḤPsP»PsPSPi PePḡC,PsP°CÍPëPrPsP· PjPsPḡPḡ P±CÍC,Pë PSP°CÍPIPSPëPj, PSP°PIC-C,Ḥ CÍPeC%Ps CḤC-PIPḡPSCḤ PiP»CḤPePsP·Pë Cr PeCḤPsPIC- PSPëPḡC±Pḡ 250 PjPi/PrP» (14 PjPjPsP»CḤ/P»).

PJ CḤP°P·C- PiC-PrPsP·CḤPë PSP° PePḡC,PsP°CÍPëPrPsP· CÍP»C-Pr PiCḤPëPiPëPSPëC,Pë P·P°CÍC,PsCÍCÍPIP°PSPSCÍ P»C-PeP°CḤCÍCḤPePsPiPs P·P°CÍPsP±CÍ PḤCÍC-PiPrCÍPs PḡCḤPsP»PsPSPi, PsP±CÍC,PḡPḡPëC,Pë PiP°CÍC-C"PSC,P° C- PSPḡPIC-PrPeP»P°PrPSPs CḤPsP·PiPsC±P°C,Pë P»C-PeCÍPIP°PSPSCÍ. P"»CÍ PePsCḤPḡPeCÍC-C— PePḡC,PsP°CÍPëPrPsP·CÍ PjPsPḡPḡ P±CÍC,Pë PSPḡPsP±C...C-PrPSPḡ P·P°CÍC,PsCÍCÍPIP°PSPSCÍ C-PSCÍCÍP»C-PSCÍ, PIPIPḡPrPḡPSPSCÍ CḤC-PrPëPSPë C- PePsCḤPḡPeCÍC-CÍ PICÍPiP»PḡPIPsPrPSPsPiPs PsP±PjC-PSCÍ.

P—P° PrP°PSPëPjPë PiC-CÍP»CÍCḤPḡC" CÍC,CḤP°CÍC-PNḡPSPëC... PiPsPIC-PrPsPjP»PḡPSCḤ Cr P±P°PiP°C,ḤPsC... PIPëPiP°PrPeP°C..., PsCÍPsP±P»PëPIPs Cr PiP°CÍC-C"PSC,C-PI C-P· CÍCÍPeCḤPsPIPëPj PrC-P°P±PḡC,PsPj 1-PiPs C,PëPiCÍ, PSP°CÍPIPS-CÍC,Ḥ PePḡC,PsP°CÍPëPrPsP·CÍ P±CÍP»P° CḤPsP·PiC-P·PSP°PSP° PSPḡ PsPrCḤP°P·CÍ C- P»C-PeCÍPIP°PSPSCÍ CḤPsP·PiPsC±P°C,Ps C-P· P·P°C,CḤPëPjPePsCḤ C±PḡCḤPḡP· C,Pḡ, C%Ps PePsPSC±PḡPSC,CḤP°CÍC-CÍ PiP»CḤPePsP·Pë Cr PeCḤPsPIC- P±CÍP»P° PSPëPḡC±PsCḤ P·P° CḤC-PIPS-, C%Ps P·P°P·PIPëC±P°PNḡ PsC±C-PeCÍCḤC,ḤCÍCÍ Cr PIPëPiP°PrPeCÍ PrC-P°P±PḡC,PëC±PSPsPiPs PePḡC,PsP°CÍPëPrPsP·CÍ (C±P°CÍC,Ps PjPḡPSCëPḡ 250 PjPi/PrP» (14 PjPjPsP»CḤ/P»)).

PiCÍPeCḤPsPIPëPNḡ PrC-P°P±PḡC, 2-PiPs C,PëPiCÍ C,P° P·P°C...PIPsCḤCḤPIP°PSPSCÍ PiC-PrCëP»CÍPSPePsPIPsC— P·P°P»PsP·Pë (PSP°PiCḤPëPeP»P°Pr PiPḡCḤPḡPSPḡCÍPḡPSPëPNḡ PiP°PSPeCḤPḡP°C,PëC, P°P±Ps PsPiPḡCḤP°CÍC-CÍ PSP° PiC-PrCëP»CÍPSPePsPIC-PNḡ P·P°P»PsP·C-) C,P°PePsPḡ C" C,,P°PeC,PsCḤP°PjPë CḤPëP·PëPeCÍ CḤPsP·PIPëC,PeCÍ PePḡC,PsP°CÍPëPrPsP·CÍ. PJ PiC-CÍP»CÍCḤPḡC" CÍC,CḤP°CÍC-PNḡPSPëPNḡ PiPḡCḤC-PsPr P±CÍP»Ps P·P°CḤPḡC" CÍC,CḤPsPIP°PSPs P»PḡC,P°P»CḤPSC- PIPëPiP°PrPePë PePḡC,PsP°CÍPëPrPsP·CÍ PI PiP°CÍC-C"PSC,C-PI C-P· CÍCÍPeCḤPsPIPëPj PrC-P°P±PḡC,PsPj 2-PiPs C,PëPiCÍ, CÍPeC- P·P°CÍC,PsCÍPsPICÍPIP°P»Pë C-PSPiC-P±C-C,PsCḤPë KḤP—PḤPḡP"-2, P·PsPeCḤPḡPjP° PrP°PiP°PiP»C-C,,P»PsP·PëPS.

P"Ps CrPjPsPI, C%Ps CÍPiCḤPëCÍCḤC,Ḥ CḤPsP·PIPëC,PeCÍ PrC-P°P±PḡC,PëC±PSPsPiPs PePḡC,PsP°CÍPëPrPsP·CÍ P°P±Ps C-PSCëPëC... PePḡC,PsP°CÍPëPrPsP·C-PI, PSP°P»PḡPḡP°C,Ḥ PSPḡPrPsCÍC,P°C,PSCÍ C-PSCÍCÍP»C-PSC-P·P°CÍC-CÍ PIPSP°CÍP»C-PrPsPe P·PSPëPḡPḡPSPSCÍ PrPsP·Pë C-PSCÍCÍP»C-PSCÍ P°P±Ps PiCḤPsPiCÍCÍPeCÍ PiCḤPëPNḡPsPjCÍ PrPsP·Pë C-PSCÍCÍP»C-PSCÍ, PiPsCÍC,CḤC- PiP°CḤCÍC±PePsPIC- P·P°C...PIPsCḤCḤPIP°PSPSCÍ, P·PSPëPḡPḡPSPSCÍ CÍPiPsPḡPëPIP°PSPSCÍ PeP°P»PsCḤC-PNḡ, PePḡC,PsPiPḡPSPSP° PrC-C" C,P°, C...C-CḤCÍCḤPiC-C±PSPḡ PIC,CḤCÍC±P°PSPSCÍ, P·PjPḡPSCëPḡPSPSCÍ PsP±bḤ™ C" PjCÍ CḤC-PrPëPSPë C,P° P·P»PsPIPḡPëPIP°PSPSCÍ P°P»PePsPiPsP»PḡPj.

PḤP·PSP°PePë C,P° CÍPëPjPiC,PsPjPë CÍPIC-PrC±P°C,Ḥ PiCḤPs PrPḡPiC-PrCḤP°C,P°CÍC-CḤ C- C,CÍPḡPePëPNḡ PjPḡC,P°P±PsP»C-C±PSPëPNḡ P°CÍPëPrPsP· C,P° PIPeP»CḤC±P°CḤC,ḤB PSCÍPrPsC,CÍ, P±P»CḤHIP°PSPSCÍ, P±C-P»CḤ Cr PḡPëPIPsC,C-, P·P°PiP°P»CḤPSPḡ PSPḡP·PrCÍPḡP°PSPSCÍ C- P·P°PrPëCëPeCÍ. P' PrPḡCÍPePëC... PIPëPiP°PrPeP°C... P±CÍP»Pë PIPëCÍPIP»PḡPSC- C,,P°PeC,PsCḤPë CÍC...PëP»CḤPSPsCÍC,C- PrPs PePḡC,PsP°CÍPëPrPsP·CÍ, C,P°PeC- CÍPe P·PjPḡPSCëPḡPSPSCÍ PrPsP·Pë C-PSCÍCÍP»C-PSCÍ, PiPsCÍC,CḤPḡ P·P°C...PIPsCḤCḤPIP°PSPSCÍ P· PiP°CḤCÍC±PePsCḤ, P·PjPḡPSCëPḡPSPSCÍ CÍPiPsPḡPëPIP°PSPSCÍ PeP°P»PsCḤC-PNḡ, C...C-CḤCÍCḤPiC-C±PSPḡ PIC,CḤCÍC±P°PSPSCÍ, CḤPsP·P»P°PrPë P· P±PsPeCÍ PiC-PrCëP»CÍPSPePsPIPsC— P·P°P»PsP·Pë, C%Ps PrP°CḤC,Ḥ PiC-PrCÍC,P°PIPë PiCḤPëPiCÍCÍC,PëC,Pë PSPḡPrPsCÍC,P°C,PSC-CÍC,Ḥ C-PSCÍCÍP»C-PSCÍ



(PSP°PīCḡPēPeP»P°Pr, C†CṛPeCḡPsPIPēPNḡ PrC-P°P±PμC, 1-PiPs C,PēPīCṛ,  
PSP°CḷIPISC-CṛC,CH PI P°PSP°PjPSPμP·C- PīP°PSPeCḡPμP°C,PēC,Cṛ P°P±Ps  
C...C-CḡCṛCḡPiC-C†PSPsPiPs PIC,CḡCṛC†P°PSPSCḷ PSP° PīC-PrCēP»CṛPSPePsPIC-PNḡ  
P·P°P»PsP·C-), C,P° P·P»PsPIP¶PēPIP°PSPSCḷ P°P»PePsPiPsP»PμPj.

PμPμCḡPμPr PīPsC†P°C,PePsPj P·P°CṛC,PsCṛCṛPIP°PSPSCḷ P»C-PeP°CḡCṛCHPePsPiPs  
P·P°CṛPsP±Cṛ PḡCṛC-PiPrCṛPs PμCḡPsP»PsPSPI CṛP»C-Pr PICḡP°C...CṛPIP°C,Pē  
PSP°CḷIPISC-CṛC,CH PI P°PSP°PjPSPμP·C- PīP°C†C-C”PSC,P° C„P°PeC,PsCḡC-PI, C°Ps  
PjPsP¶CṛC,CH CṛPīCḡPēCḷC,Pē CḡPsP·PIPēC,PeCṛ PePμC,PsP°C†PēPrPsP·Cṛ, PI C,PsPjCṛ  
C†PēCṛP»C- P·CṛPjPsPIP»PμPSCṛ P±CṛPrCH-CḷPePēPjPē PīCḡPēC†PēPSP°PjPē  
PīP°PSPeCḡPμP°C,PēC†PSCṛ PSPμPrPsCṛC,P°C,PSC-CṛC,CH C-PSCṛCṛP»C-PSCṛ,  
PsP±PjPμP¶PμPSPμ CṛPīPsP¶PēPIP°PSPSCḷ PeP°P»PsCḡC-PNḡ C- P·P»PsPIP¶PēPIP°PSPSCḷ  
P°P»PePsPiPsP»PμPj.

PŸP»C-Pr CḡPsP·PiP»CḷPSCṛC,Pē PjPsP¶P»PēPIC-CṛC,CH C,PēPjC†P°CṛPsPiPsPiPs  
PīCḡPēPīPēPSPμPSPSCḷ PīCḡPēPNḡPsPjCṛ P»C-PeP°CḡCṛCHPePsPiPs P·P°CṛPsP±Cṛ  
PḡCṛC-PiPrCṛPs PμCḡPsP»PsPSPI PīP°C†C-C”PSC,P°PjPē, CḷPeC- PsC†C-PeCṛCḡC,CH  
C...C-CḡCṛCḡPiC-C†PSPsPiPs PIC,CḡCṛC†P°PSPSCḷ (C°PsPSP°PNḡPjPμPSCēPμ P·P° 3 PrPSC-  
PrPs PNḡPsPiPs PīCḡPsPiPμPrPμPSPSCḷ, PrPēPI. CḡPsP·PrC-P»  
B«PαP°CḡPjP°PePsP»PsPiC-C†PSC- PIP»P°CṛC,PēPIPsCṛC,C-B»). P C-PIPμPSCḡ PiP»CḡPePsP·Pē  
PI PeCḡPsPIC- PSP° PjPsPjPμPSC, PIPēCḷIP»PμPSPSCḷ PjPsP¶Pμ P±CṛC,Pē PSPēP¶C†PēPj,  
PSC-P¶ P·P°P·PIPēC†P°PNḡ PsC†C-PeCṛC”C,CHCṛCḷ PīCḡPē PrC-P°P±PμC,PēC†PSPsPjCṛ  
PePμC,PsP°C†PēPrPsP·C- (PSP°PīCḡPēPeP»P°Pr PjPμPSCēPμ PSC-P¶ 250 PjPi/PrP»  
(14 PjPjPsP»CH/P»)). PḡPμC,PsP°C†PēPrPsP· C- PiP»CḡPePsP·CṛCḡC-Cḷ PjPsP¶CṛC,CH  
C,CḡPēPIP°C,Pē PrPsPICēPμ, PSC-P¶ P·P°P·PIPēC†P°PNḡ PsC†C-PeCṛC”C,CHCṛCḷ.  
P’PēPIPμPrPμPSPSCḷ PiP»CḡPePsP·Pē C-P· CṛPμC†PμCḡ PīCḡPsPrPsPIP¶CṛC”C,CHCṛCḷ  
PīCḡPsC,CḷPiPsPj 3 PrPSC-PI PīC-CṛP»Cḷ PīCḡPēPīPēPSPμPSPSCḷ  
P·P°CṛC,PsCṛCṛPIP°PSPSCḷ P»C-PeP°CḡCṛCHPePsPiPs P·P°CṛPsP±Cṛ PḡCṛC-PiPrCṛPs  
PμCḡPsP»PsPSPI (PrPēPI. CḡPsP·PrC-P» B«PαP°CḡPjP°PePsP»PsPiC-C†PSC-  
PIP»P°CṛC,PēPIPsCṛC,C-B»[P](#)), PsPrPSP°Pe Cṛ PīC-CṛP»CḷCḡPμC”CṛC,CḡP°C†C-PNḡPSPēPNḡ  
PīPμCḡC-PsPr P±CṛP»Ps P·P°CḡPμC”CṛC,CḡPsPIP°PSPs PIPēPīP°PrPePē PePμC,PsP°C†PēPrPsP·Cṛ  
C,P°/P°P±Ps PiP»CḡPePsP·CṛCḡC-C—, C°Ps C,CḡPēPIP°P»Pē PīPsPSP°Pr 6 PrPSC-PI, P° PI  
PrPμCḷPePēC... PIPēPīP°PrPeP°C... Bḡ” PrPs 2 C,PēP¶PSC-PI PīC-CṛP»Cḷ  
PīCḡPēPīPēPSPμPSPSCḷ P·P°CṛC,PsCṛCṛPIP°PSPSCḷ C-PSPIC-P±C-C,PsCḡC-PI PḡP—PḡPŸP”-2.

P—P° PSP°CḷIPSPsCṛC,C- PeP»C-PSC-C†PSPēC... PīPsPeP°P·P°PSCḡ CṛP»C-Pr  
CḡPsP·PiP»CḷPSCṛC,Pē PjPsP¶P»PēPIC-CṛC,CH PePsPSC,CḡPsP»Cḡ CḡC-PIPSCḷ  
PePμC,PsPSC-PI Cṛ PīP°C†C-C”PSC,C-PI P· CḡPēP·PēPePsPj CḡPsP·PIPēC,PeCṛ  
PePμC,PsP°C†PēPrPsP·Cṛ. PḡPμPsP±C...C-PrPSPs PsC†C-PSCḡPIP°C,Pē PSP°CḷIPISC-CṛC,CH  
PePμC,PsP°C†PēPrPsP·Cṛ PSPμP·P°P»PμP¶PSPs PIC-Pr PīPsC,PsC†PSPsPiPs CḡC-PIPSCḷ  
PiP»CḡPePsP·Pē PI PeCḡPsPIC- Cṛ PīP°C†C-C”PSC,C-PI, CḷPeC- PjP°CḡC,CH PsP·PSP°PePē C,P°  
CṛPēPjPīC,PsPjPē, C...P°CḡP°PeC,PμCḡPSC- PrP»Cḷ C,CḷP¶PePsPiPs  
PjPμC,P°P±PsP»C-C†PSPsPiPs P°C†PēPrPsP·Cṛ. PμCḡPē PīC-PrPsP·CḡC- PSP°  
PePμC,PsP°C†PēPrPsP· CṛP»C-Pr PīCḡPēPīPēPSPēC,Pē PīCḡPēPNḡPsPj P»C-PeP°CḡCṛCHPePsPiPs  
P·P°CṛPsP±Cṛ PḡCṛC-PiPrCṛPs PμCḡPsP»PsPSPI, PSPμPiP°PNḡPSPs PīCḡPsPiPμCṛC,Pē  
PrC-P°PiPSPsCṛC,PēPeCṛ C,P° P»C-PeCṛPIP°PSPSCḷ PePμC,PsP°C†PēPrPsP·Cṛ, CḷPeC°Ps  
PIC-PS PīC-PrC,PIPμCḡPrPēC,CHCṛCḷ. PḡPμPsP±C...C-PrPSPs CṛPīPsCṛC,PμCḡC-PiP°C,Pē P·P°  
CṛC,P°PSPsPj PīP°C†C-C”PSC,C-PI C°PsPrPs CṛCṛCṛPSPμPSPSCḷ PePμC,PsP°C†PēPrPsP·Cṛ  
PīPμCḡPμPr PIC-PrPSPsPIP»PμPSPSCḷPj PīCḡPēPNḡPsPjCṛ P»C-PeP°CḡCṛCHPePsPiPs  
P·P°CṛPsP±Cṛ PḡCṛC-PiPrCṛPs PμCḡPsP»PsPSPI.

PŸP»C-Pr PīCḡPēP·CṛPīPēPSPēC,Pē P·P°CṛC,PsCṛCṛPIP°PSPSCḷ P»C-PeP°CḡCṛCHPePsPiPs

P·P°CÍPSP±Cí PьCÍC-PiPrCíPs PұCђPsP»PsPSPi, CИPеC%Ps C†Pμ PjPsP¶P»PëPIPs, PI  
C,PëPjC†P°CÍPSPiPëC... PëP»C-PSC-C†PSPëC... CÍPëC,CíP°C†C-CИC..., C%Ps PjPsP¶CíC,CH  
CÍPiCђPsPIPsPëCíPIP°C,Pë CђPsP·PIPëC,PSPe PëPμC,PsP°C†PëPrPsP·Cí PI PïP°C†C-C"PS,C-PI  
(PSP°PiCђPëPëP»P°Pr, PiCђPë C,CђPëPIP°P»PsPjCí PiPsP»PsPrCíPIP°PSPSC- C†PμCђPμP·  
PiPsCÍC,CђCí C...PIPsCђPsP±Cí P°P±Ps PI PïPμCђC-PsPr PiC-CÍP»CИ  
C...C-CђCíCђPiC-C†PSPsPiPs PIC,CђCíC†P°PSPSCИ). PќPμPsP±C...C-PrPSPs  
PïPμCђPμPëPsPSP°C,PëCÍCИ PI CíCÍCíPSPμPSPSC- C,,P°PëC,PsCђC-PI CђPëP·PëPëCí  
CђPsP·PIPëC,PëCí PëPμC,PsP°C†PëPrPsP·Cí PïPμCђPμPr PïPsPIC,PsCђPSPëPj PïPsC†P°C,PëPsPj  
P»C-PëCíPIP°PSPSCИ. PұCђPëPμPëPj P»C-PëP°CђCÍCHPëPsPiPs P·P°CÍPSP±Cí  
PьCÍC-PiPrCíPs PұCђPsP»PsPSPi PjPsP¶PSP° PIC-PrPSPsPIPëC,Pë, PëPsP»Pë CÍC,P°PS  
PïP°C†C-C"PS,C,P° PëP»C-PSC-C†PSPs CÍC,P°P±C-P»CHPSPëPμ C- PIC-PS PjPsP¶Pμ  
PIP¶PëPIP°C,Pë C-P¶Cí PïPμCђPsCђP°P»CHPSPs (PrPëPI CђPsP·PrC-P» B«PŸPiPsCÍC-P±  
P·P°CÍC,PsCÍCíPIP°PSPSCИ C,P° PrPsP·PëB»).

PŸP»C-Pr PïPsPIC-PrPsPjPëC,Pë PïP°C†C-C"PS,C-PI PiCђPs PsP·PSP°PëPë C- CÍPëPjPiC,PsPjPë  
PëPμC,PsP°C†PëPrPsP·Cí C,P° PSPμPsP±C...C-PrPSC-CÍC,CH PiCђPëPïPëPSPμPSPSCИ  
PiCђPëPμPëPjCí P»C-PëP°CђCÍCHPëPsPiPs P·P°CÍPSP±Cí PьCÍC-PiPrCíPs PұCђPsP»PsPSPi C-  
PSPμPiP°PμPSPsPiPs P·PIPμCђPSPμPSPSCИ P·P° PjPμPrPëC†PSPsCђ PrPsPïPsPjPsPiPsCђ PiCђPë  
PIPëPSPëPëPSPμPSPSC- C,P°PëPëC... PsP·PSP°Pë C- CÍPëPjPiC,PsPjC-PI.

## ***P—PjPμPSC€PμPSPSCИ PsP±вђ™ C"PjCé CђC-PrPëPSPë***

P"°PïP°PiP»C-C,,P»PsP·PëPS PjPsP¶Pμ CÍPiCђPëC†PëPSPëC,Pë P·PjPμPSC€PμPSPSCИ  
PIPSCíC,CђC-C€PSCђPsCÍCíPrPëPSPSPsPiPs PsP±вђ™ C"PjCí, C%Ps C-PSPsPrC- PjPsP¶Pμ  
PiCђPsCИPIP»CИC,PëCÍCИ CÍPëPjPiC,PsPjP°C,PëC†PSPsCђ PiC-PiPsC,PμPSP·C-C"CH P°P±Ps  
PiPsCÍC,CђPëPjPë C,CђP°PSP·PëC,PsCђPSPëPjPë P·PjC-PSP°PjPë CђC-PIPSИ  
PëCђPμP°C,PëPSC-PSCí (PrPëPI. CђPsP·PrC-P» B«PұPsP±C-C†PSC- CђPμP°PëC†C-C—B»).

PќP°PrC...PsPrPëP»Pë PiC-CÍP»CИCђPμC"CÍC,CђP°C†C-PμPSC- PïPsPIC-PrPsPjP»PμPSPSCИ  
PiCђPs PIPëPïP°PrPëPë PiPsCÍC,CђPsPiPs CíCђP°P¶PμPSPSCИ PSPëCђPsPë Cí  
PïP°C†C-C"PS,C-PI P· C†CíPëCђPsPIPëPj PrC-P°P±PμC,PsPj 2-PiPs C,PëPiCí, CИPëC-  
PsPrPμCђP¶CíPIP°P»Pë C-PSPiC-P±C-C,PsCђPë PќP—PьPŸP"-2, P·PsPëCђPμPjP°  
PrP°PïP°PiP»C-C,,P»PsP·PëPS, PrPμCИPëC- C-P· C†PëC... PïP°C†C-C"PS,C-PI  
PiPsC,CђPμP±CíPIP°P»Pë PiPsCÍPiC-C,P°P»C-P·P°C†C-C— C,P° PiCђPsPIPμPrPμPSPSCИ  
PrC-P°P»C-P·Cí. PұP°C†C-C"PS,C,Pë P· PiPsCђCíC€PμPSPSCИPj C,,CíPSPëC†C-C— PSPëCђPsPë  
(CђPëPьP» PjPμPSC€Pμ 60 PjP»/C...PI/1,73 Pj²), PïP°C†C-C"PS,C,Pë P»C-C,PSCђPsPiPs PIC-PëCí  
P°P±Ps PïP°C†C-C"PS,C,Pë, CИPëC- PiCђPëPμPjP°CђC,CH PïPμC,P»CHPSPIC-  
PrC-CíCђPμC,PëPëPë, PjPsP¶CíC,CH PjP°C,Pë PiC-PrPIPëC%PμPSPëPμ CђPëP·PëPë  
P·PjPμPSC€PμPSPSCИ PsP±вђ™ C"PjCí CђC-PrPëPSPë P°P±Ps CђPsP·PIPëC,PëCí  
P°CђC,PμCђC-P°P»CHPSPsC— PiC-PiPsC,PμPSP·C-C—. PұPμCђPμPr PïPsC†P°C,PëPsPj  
P·P°CÍC,PsCÍCíPIP°PSPSCИ PьCÍC-PiPrCíPs PұCђPsP»PsPSPi Cí PïP°C†C-C"PS,C-PI P·  
PsPrPSC-C"CH P°P±Ps PëC-P»CHPëPsPjP° P· C†PëC... C...P°CђP°PëC,PμCђPëCÍC,PëPë CÍP»C-Pr  
PsC†C-PSPëC,Pë PIPsP»PμPjC-C†PSPëPμ CÍC,P°C,CíCí C- C,,CíPSPëC†C-Cђ PSPëCђPsPë.  
PұC-CÍP»CИ PïPsC†P°C,PëCí C,PμCђP°PiC-C— CђPμPëPsPjPμPSPPrCíC"C,CHCÍCИ  
CÍP»C-PrPëCíPIP°C,Pë P·P° PsP·PSP°PëP°PjPë C,P° CÍPëPjPiC,PsPjP°PjPë  
P°CђC,PμCђC-P°P»CHPSPsC— PiC-PiPsC,PμPSP·C-C— C,P° C,,CíPSPëC†C-C"CH PSPëCђPsPë.

PұPμCђPμPr PïPsC†P°C,PëPsPj P·P°CÍC,PsCÍCíPIP°PSPSCИ P»C-PëP°CђCÍCHPëPsPiPs  
P·P°CÍPSP±Cí PьCÍC-PiPrCíPs PұCђPsP»PsPSPi CÍP»C-Pr P·PIP°P¶PëC,Pë PSP°

PSP°CΠIPSC-CTC,CH C,,P°PeC,PsCTC-PI, C%Ps PjPsP¶CfC,CH PictPsPIPsPeCfPIP°C,Pē CTsPsP·PIPēC,PsPe PiPsCTC,CTsPsPiPs CfCTP°P¶PμPSPSCΠ PSPēCTsPsPe, PIPeP»CTC‡P°CTC‡Pē PiC-PiPsPIPsP»PμPjC-CT, C...CTsPsPSC-C‡PSCf PSPēCTsPePsPICf PSPμPrPsCTC,P°C,PSC-CTC,CH, P·P°CTC,C-PNēPSCf CT¶PμCTC‡PμPICf PSPμPrPsCTC,P°C,PSC-CTC,CH C,P° CTfCfPiCfC,PSC" P·P°CTC,PsCTfCfPIP°PSPSCΠ P»C-PeP°CTCfCHPePēC... P·P°CTfPs±C-PI (PrC-CfCTPμC,PēPeC-PI, C-PSPiC-P±C-C,PsCTC-PI PḡPḡPḡ, P±P»PsPeP°C,PsCTC-PI CTsPμC‡PμPiC,PsCTC-PI P°PSPiC-PsC,PμPSP·PēPSCf P†P†, PkPḡP—P—).

## ***PJCTsPsCTfPμPiCTfPēCT C- PiC-C" P»PsPSPμC,,CTsPēC,***

PJ PiP°C†C-C"PSC,C-PI, CΠPeC- P·P°CTC,PsCTfPsPICfPIP°P»Pē C-PSPiC-P±C-C,PsCTsPē PkP—PḡPḡP"-2, Cf C,PsPjCf C‡PēCTfP»C- PrP°PiP°PiP»C-C,,P»PsP·PēPS, P·P°CTsPμC"CTfC,CTsPsPIP°PSPs PIPēPiP°PrPePē CTfPμCTsPNēPsP·PSPēC... C-PSC,,PμPeC†C-PNē CTfPμC‡PsPIPēPIC-PrPSPēC... CēP»CΠC...C-PI, PI C,PsPjCf C‡PēCTfP»C- CfCTsPsCTfPμPiCTfPēCTfCf C- PiC-C"P»PsPSPμC,,CTsPēC,Cf, C%Ps PIPēPjP°PiP°P»Pē PiPsCTfPiC-C,P°P»C-P·P°C†C-C—. P—P°CTC,PsCTfCfPIP°PSPSCΠ C-PSPiC-P±C-C,PsCTC-PI PkP—PḡPḡP"-2 PīC-PrPIPēC%CrC" CTsPēP·PēPe PIPēPSPēPePSPμPSPSCΠ C-PSC,,PμPeC†C-PNē CTfPμC‡PsPIPēPIC-PrPSPēC... CēP»CΠC...C-PI. PμP°C†C-C"PSC,C-PI PSPμPsP±C...C-PrPSPs PsP±CTC,PμP¶PēC,Pē PSP° PSP°CΠIPSC-CTC,CH CTfPēPjPiC,PsPjC-PI C-PSC,,PμPeC†C-PNē CTfPμC‡PsPIPēPIC-PrPSPēC... CēP»CΠC...C-PI C,P° P·P° PSP°CΠIPSPsCTC,C- PiPsPeP°P·P°PSCḡ PSPμPiP°PNēPSPs PictPēP·PSP°C‡PēC,Pē P»C-PeCfPIP°PSPSCΠ (PrPēPI. CTsPsP·PrC-P» B«PḡPsP±C-C‡PSC-CTsPμP°PeC†C-C—B»).

*P"C-PiPsPiP»C-PePμPjC-CΠ PictPē PsPrPSPsC‡P°CTfPSPsPjCž P·P°CTC,PsCTfCžPIP°PSPSC- P·C-PSCfCžP»C-PSPsPj C,P° CTfC,PēPjCžP»CΠC,PsCTsP°PjPē CTfPμPeCTsPμC†C-C—C-PSCfCžP»C-PSCž*

P†PSCfCfP»C-PS C,P° CTfC,PēPjCfP»CΠC,PsCTsPē CTfPμPeCTsPμC†C-C— C-PSCfCfP»C-PSCf (PSP°PictPēPeP»P°Pr CTfCfP»CHC,,PsPSC-P»CTfPμC‡PsPIPēPSP°), CΠPe PIC-PrPsPjPs, CTfPictPēC‡PēPSCΠCTC,CH CTsPsP·PIPēC,PsPe PiC-PiPsPiP»C-PePμPjC-C—. PḡCTfC-PiPrCfPs PḡCTsPsP»PsPSPi Cf PīPsC"PrPSP°PSPSC- P· C-PSCfCfP»C-PSPsPj P°P±Ps CTfC,PēPjCfP»CΠC,PsCTsPsPj CTfPμPeCTsPμC†C-C— C-PSCfCfP»C-PSCf PjPsP¶Pμ PiC-PrPIPēC%PēC,Pē CTsPēP·PēPe CTsPsP·PIPēC,PeCf PiC-PiPsPiP»C-PePμPjC-C— (PrPēPI. CTsPsP·PrC-P» B«PḡPsP±C-C‡PSC- CTsPμP°PeC†C-C—B»). PḡPsPjCf, C%PsP± P·PIPμCTfC,Pē PrPs PjC-PSC-PjCfPjCf CTsPēP·PēPe CTsPsP·PIPēC,PeCf PiC-PiPsPiP»C-PePμPjC-C—, PjPsP¶Pμ P±CfC,Pē PSPμPsP±C...C-PrPSPēPj P·PSPēP·PēC,Pē PrPsP·Pē C-PSCfCfP»C-PSCf P°P±Ps CTfC,PēPjCfP»CΠC,PsCTsP° CTfPμPeCTsPμC†C-C— C-PSCfCfP»C-PSCf PictPē C—C...PSCḡPsPjCf P·P°CTfC,PsCTfCfPIP°PSPSC- Cf PePsPjP±C-PSP°C†C-C— P· P»C-PeP°CTCfCHPePēPj P·P°CTfPs±PsPj PḡCTfC-PiPrCfPs PḡCTsPsP»PsPSPi (PrPēPI. CTsPsP·PrC-P» B«P·P·P°C"PjPsPrC-CΠ P· C-PSCēPēPjPē P»C-PeP°CTCfCHPePēPjPē P·P°CTfPsP±P°PjPē C,P° C-PSCēC- PIPēPrPē PIP·P°C"PjPsPrC-PNēB»).

*PkPμPeCTsPsC,PēC‡PSPēPNē C,,P°CTfC†C-C—C, PictPsPjPμP¶PēPSPē (PiP°PSPiCTsPμPSP° PḡCžCTsPSCḡC")*

PJ PiPμCTC-PsPr PiC-CTfP»CΠCTsPμC"CTfC,CTsP°C†C-PNēPSPsPiPs CTfPiPsCTC,PμCTsPμP¶PμPSPSCΠ Cf PīP°C†C-C"PSC,C-PI C-P· C†CfPeCTsPsPIPēPj PrC-P°P±PμC,PsPj, CΠPeC- PsC,CTsPēPjCfPIP°P»Pē C-PSPiC-P±C-C,PsCTsPē PkP—PḡPḡP"-2, Cf C,PsPjCf C‡PēCTfP»C- PrP°PiP°PiP»C-C,,P»PsP·PēPS, PīPsPIC-PrPsPjP»CΠP»PsCTfCΠ PictPs PSPμPeCTsPsC,PēC‡PSPēPNē C,,P°CTfC†C-C—C, PictPsPjPμP¶PēPSPē (PiP°PSPiCTsPμPSP° PḡCfCTsPSCḡC"), C%Ps C" CTsC-PrPeC-CTfPSPsCT, P°P»Pμ CTfPμCTsPNēPsP·PSPsCT C,P°

PSP<sub>μ</sub>P±P<sub>μ</sub>P·P<sub>μ</sub>PμC±PSPsC<sub>π</sub> PrP»C<sub>μ</sub> P<sub>μ</sub>P<sub>μ</sub>C,C,C<sub>μ</sub> PSP<sub>μ</sub>PeC<sub>π</sub>PsC,P<sub>μ</sub>C±PSPsC<sub>π</sub>  
 C-PSC,,P<sub>μ</sub>PeC†C-C" C<sub>π</sub>, C<sub>μ</sub>PeP° PIP<sub>μ</sub>PjP°P<sub>μ</sub>P°C" C,P<sub>μ</sub>C<sub>π</sub>PjC-PSPsPIP<sub>μ</sub>PiPs  
 C...C-C<sub>π</sub>C<sub>π</sub>C<sub>π</sub>PiC-C±PSPsPiPs PIC,C<sub>π</sub>C<sub>π</sub>C<sub>π</sub>C±P°PSPSC<sub>μ</sub>. P'P<sub>μ</sub>PiP°PrPeP<sub>μ</sub>  
 C<sub>π</sub>P<sub>μ</sub>C" C<sub>π</sub>C<sub>π</sub>C<sub>π</sub>PiP°P»P<sub>μ</sub>C<sub>π</sub>C<sub>μ</sub> C<sub>μ</sub> C<sub>π</sub> P<sub>μ</sub>C-PSPsPe, C,P°Pe C- PI C±PsP»PsPIC-PeC-PI.  
 P<sub>μ</sub>P<sub>μ</sub>C<sub>π</sub>PN<sub>μ</sub>PsP·PSC- PSP°C<sub>π</sub>P»C-PrPeP<sub>μ</sub> PIP<sub>μ</sub>P»C<sub>π</sub>C±P°P»P<sub>μ</sub> PiPsC<sub>π</sub>PiC-C,P°P»C-P°P°C†C-C<sub>π</sub>,  
 P±P°PiP°C,PsPeC<sub>π</sub>P°C,PSC- PsP<sub>μ</sub>P<sub>μ</sub>C<sub>π</sub>P°C†C-C— C,P° C<sub>π</sub>PjP<sub>μ</sub>C<sub>π</sub>C,C<sub>π</sub>.

P<sub>μ</sub>P°C†C-C" PSC,C-PI, C<sub>μ</sub>PeC- PsC,C<sub>π</sub>P<sub>μ</sub>P<sub>μ</sub>C<sub>π</sub>C<sub>π</sub>C<sub>π</sub>C<sub>π</sub> P<sub>μ</sub>C<sub>π</sub>C- PiPrC<sub>π</sub>Ps P<sub>μ</sub>C<sub>π</sub>PsP»PsPSPi,  
 C<sub>π</sub>P»C-Pr PsP±C<sub>π</sub>C,P<sub>μ</sub>P<sub>μ</sub>P<sub>μ</sub>C,P<sub>μ</sub> PSP° PSP°C<sub>μ</sub>PIPSC-C<sub>π</sub>C,C<sub>π</sub> PSP<sub>μ</sub>PeC<sub>π</sub>PsC,P<sub>μ</sub>C±PSPsPiPs  
 C,,P°C<sub>π</sub>C†C-C—C,C<sub>π</sub> C<sub>π</sub> C<sub>π</sub> C<sub>π</sub>P°P·C- PIP<sub>μ</sub>PSP<sub>μ</sub>PePSP<sub>μ</sub>PSPSC<sub>μ</sub> P±PsP»C<sub>π</sub> P°P±Ps  
 C...PIP<sub>μ</sub>C<sub>π</sub>PsP±P»P<sub>μ</sub>PIPsC— C±C<sub>π</sub>C,P»P<sub>μ</sub>PIPsC<sub>π</sub>C-, P<sub>μ</sub>C<sub>π</sub>P<sub>μ</sub>C,P<sub>μ</sub>PjP<sub>μ</sub> P°P±Ps PSP°P±C<sub>π</sub>C<sub>μ</sub>PeC<sub>π</sub>  
 PI PrC-P»C<sub>μ</sub>IPSC†C- C<sub>π</sub>C,P°C,P<sub>μ</sub>PIP<sub>μ</sub>C... PsC<sub>π</sub>PiP°PSC-PI C- PiC<sub>π</sub>PsPjP<sub>μ</sub>P<sub>μ</sub>P<sub>μ</sub>P<sub>μ</sub>PSP<sub>μ</sub> C,P° P·P°  
 PSP°C<sub>μ</sub>PIPSPsC<sub>π</sub>C, C- P»P<sub>μ</sub>C...PsPjP°PSP<sub>μ</sub>PeP<sub>μ</sub> P°P±Ps P·P°PiP°P»C<sub>π</sub>HPSPsPiPs  
 PSP<sub>μ</sub>P·PrC<sub>π</sub>P<sub>μ</sub>P°PSPSC<sub>μ</sub>. Pj C<sub>π</sub>P°P·C- PiC-PrPsP·C<sub>π</sub>P<sub>μ</sub> C<sub>π</sub>P»C-Pr PSP<sub>μ</sub>PiP°PN<sub>μ</sub>PSPs  
 C<sub>π</sub>PsP·PiPsC±P°C,P<sub>μ</sub> P»C-PeC<sub>π</sub>PIP°PSPSC<sub>μ</sub> P°PSC,P<sub>μ</sub>±C-PsC,P<sub>μ</sub>PeP°PjP<sub>μ</sub> C<sub>μ</sub>PeC<sub>π</sub>PsPePsPiPs  
 C<sub>π</sub>PiP<sub>μ</sub>PeC,C<sub>π</sub>P° PrC-C— C,P°, C<sub>μ</sub>PeC%Ps PSP<sub>μ</sub>PsP±C...C-PrPSPs, PiC<sub>π</sub>PsPiP<sub>μ</sub>C<sub>π</sub>C,P<sub>μ</sub>  
 C...C-C<sub>π</sub>C<sub>π</sub>C<sub>π</sub>PiC-C±PSC<sub>π</sub> PsP±C<sub>π</sub>PsP±PeC<sub>π</sub>. Pj C†C<sub>π</sub>PsPjC<sub>π</sub> C<sub>π</sub>P°P·C- C<sub>π</sub>P»C-Pr  
 PiC<sub>π</sub>P<sub>μ</sub>PiP<sub>μ</sub>PSP<sub>μ</sub>C,P<sub>μ</sub> P»C-PeC<sub>π</sub>PIP°PSPSC<sub>μ</sub> P»C-PeP°C<sub>π</sub>C<sub>π</sub>C<sub>π</sub>PeP<sub>μ</sub>Pj P·P°C<sub>π</sub>PsP±PsPj  
 P<sub>μ</sub>C<sub>π</sub>C- PiPrC<sub>π</sub>Ps P<sub>μ</sub>C<sub>π</sub>PsP»PsPSPi, C<sub>π</sub>P<sub>μ</sub>C,P<sub>μ</sub>P»C<sub>π</sub>HPSPs PePsPSC,C<sub>π</sub>PsP»C<sub>π</sub>PIP°C,P<sub>μ</sub>  
 C<sub>π</sub>C-PIP<sub>μ</sub>PSCH PiP»C<sub>π</sub>PePsP·P<sub>μ</sub> PI PeC<sub>π</sub>PsPIC- C,P° PiC<sub>π</sub>P<sub>μ</sub>P·PSP°C±P<sub>μ</sub>C,P<sub>μ</sub>  
 P°P»C<sub>π</sub>C,P<sub>μ</sub>C<sub>π</sub>PSP°C,P<sub>μ</sub>PIPSC<sub>π</sub> C,P<sub>μ</sub>C<sub>π</sub>P°PiC-C<sub>π</sub> PrP»C<sub>μ</sub> PiP»C-PeP<sub>μ</sub>PjC-C±PSPsPiPs  
 PePsPSC,C<sub>π</sub>PsP»C<sub>π</sub>.

## ***P<sub>μ</sub>PsPSC†P<sub>μ</sub>PSC,C<sub>π</sub>P°C†C-C— PIC-C,P°PjC-PSCé B<sub>12</sub>***

P<sub>μ</sub>C-Pr C±P°C<sub>π</sub> PePsPSC,C<sub>π</sub>PsP»C<sub>π</sub>HPsPiP°PSP<sub>μ</sub>C... PeP»C-PSC-C±PSP<sub>μ</sub>C...  
 PrPsC<sub>π</sub>P»C-PrP<sub>μ</sub>P<sub>μ</sub>PSCH P·P°C<sub>π</sub>C,PsC<sub>π</sub>C<sub>π</sub>PIP°PSPSC<sub>μ</sub> PjP<sub>μ</sub>C,C,,PsC<sub>π</sub>PjC-PSC<sub>π</sub>, C%Ps  
 C,C<sub>π</sub>P<sub>μ</sub>PIP°P»P<sub>μ</sub> PiC<sub>π</sub>PsC,C<sub>μ</sub>PiPsPj 29 C,P<sub>μ</sub>P<sub>μ</sub>PSCH-PI, PiC<sub>π</sub>P<sub>μ</sub>±P»P<sub>μ</sub>P·PSPs C<sub>π</sub> 7 %  
 PiP°C†C-C" PSC,C-PI C<sub>π</sub>PiPsC<sub>π</sub>C,P<sub>μ</sub>C<sub>π</sub>C- PiP°P»PsC<sub>π</sub>C<sub>μ</sub> P·PjP<sub>μ</sub>PSCHP<sub>μ</sub>PSPSC<sub>μ</sub> C<sub>π</sub>P°PSC-C<sub>μ</sub>P<sub>μ</sub>  
 PSPsC<sub>π</sub>PjP°P»C<sub>π</sub>HPSP<sub>μ</sub>C... C<sub>π</sub>C-PIPSC-PI PIC-C,P°PjC-PSC<sub>π</sub> B<sub>12</sub> C<sub>π</sub> C<sub>π</sub>P<sub>μ</sub>C<sub>π</sub>PsPiP°C,C†C-  
 PeC<sub>π</sub>PsPIC- PSP<sub>μ</sub>P<sub>μ</sub>C±P<sub>μ</sub> PSPsC<sub>π</sub>PjP<sub>μ</sub>, C%Ps PSP<sub>μ</sub> C<sub>π</sub>C<sub>π</sub>PiC<sub>π</sub>PsPiPsPrP<sub>μ</sub>C<sub>π</sub>PIP°P»PsC<sub>π</sub>C<sub>μ</sub>  
 P<sub>μ</sub>PsPrPSP<sub>μ</sub>PjP<sub>μ</sub> PeP»C-PSC-C±PSP<sub>μ</sub>PjP<sub>μ</sub> PiC<sub>π</sub>PsC<sub>μ</sub>PIP°PjP<sub>μ</sub>. P<sub>μ</sub>P°PeP<sub>μ</sub> P·PSP<sub>μ</sub>P<sub>μ</sub>PSPSC<sub>μ</sub>,  
 PN<sub>μ</sub>PjPsPIC-C<sub>π</sub>PSPs, P·C<sub>π</sub>PjPsPiP»P<sub>μ</sub>PSP<sub>μ</sub> PIPiP»P<sub>μ</sub>PIPsPj PePsPjPiP»P<sub>μ</sub>PeC<sub>π</sub>C<sub>π</sub> B«PIC-C,P°PjC-PS  
 B<sub>12</sub>-PIPSC<sub>π</sub>C,C<sub>π</sub>C-C<sub>μ</sub>PSCH-PN<sub>μ</sub> C,,P°PeC,PsC<sub>π</sub> P<sub>μ</sub>P°C<sub>π</sub>C,P»P°B» PSP° P°P±C<sub>π</sub>PsC<sub>π</sub>P±C†C-C<sub>π</sub>  
 PIC-C,P°PjC-PSC<sub>π</sub> B<sub>12</sub>, PjPsP<sub>μ</sub>P<sub>μ</sub> C<sub>π</sub>C<sub>π</sub>PiC<sub>π</sub>PsPiPsPrP<sub>μ</sub>C<sub>π</sub>PIP°C,P<sub>μ</sub>C<sub>π</sub>C<sub>μ</sub> P°PSP<sub>μ</sub>PjC-C" C<sub>π</sub>, P°P»P<sub>μ</sub>  
 PiC<sub>π</sub>P<sub>μ</sub> PiC<sub>π</sub>P<sub>μ</sub>PiP<sub>μ</sub>PSP<sub>μ</sub>PSPSC- P·P°C<sub>π</sub>C,PsC<sub>π</sub>C<sub>π</sub>PIP°PSPSC<sub>μ</sub> PjP<sub>μ</sub>C,C,,PsC<sub>π</sub>PjC-PSC<sub>π</sub> P°P±Ps  
 PiC<sub>π</sub>P<sub>μ</sub> PiC<sub>π</sub>P<sub>μ</sub>P·PSP°C±P<sub>μ</sub>PSPSC- PIC-C,P°PjC-PSC<sub>π</sub> B<sub>12</sub> PrPsC<sub>π</sub>P<sub>μ</sub>C,C<sub>π</sub> C<sub>μ</sub>PIP<sub>μ</sub>PrPePs  
 P·PSP<sub>μ</sub>PeP°C". Pj PrP<sub>μ</sub>C<sub>μ</sub>PeP<sub>μ</sub>C... PiP°C†C-C" PSC,C-PI (C-P· PSP<sub>μ</sub>PrPsC<sub>π</sub>C,P°C,PSC-Pj  
 C<sub>π</sub>C-PIPSP<sub>μ</sub>Pj C<sub>π</sub>PiPsP<sub>μ</sub>P<sub>μ</sub>PIP°PSPSC<sub>μ</sub> P°P±Ps P·P°C<sub>π</sub>PIPsC" PSPSC<sub>μ</sub> PIC-C,P°PjC-PSC<sub>π</sub> B<sub>12</sub> C±P<sub>μ</sub>  
 PeP°P»C<sub>π</sub>C†C-C<sub>π</sub>) C<sub>π</sub>PiPsC<sub>π</sub>C,P<sub>μ</sub>C<sub>π</sub>C- PiP°C" C,C<sub>π</sub>C<sub>π</sub>C<sub>μ</sub> C<sub>π</sub>C...P<sub>μ</sub>P»C<sub>π</sub>HPSC-C<sub>π</sub>C,C<sub>π</sub> PrPs  
 P·PSP<sub>μ</sub>P<sub>μ</sub>PSPSC<sub>μ</sub> C<sub>π</sub>C-PIPSC-PI PIC-C,P°PjC-PSC<sub>π</sub> B<sub>12</sub> PSP<sub>μ</sub>P<sub>μ</sub>C±P<sub>μ</sub> PSPsC<sub>π</sub>PjP<sub>μ</sub>.  
 P<sub>μ</sub>P<sub>μ</sub>PsP±C...C-PrPSPs C%PsC<sub>π</sub>C-C±PSPs PiC<sub>π</sub>PsPiPsPrP<sub>μ</sub>C,P<sub>μ</sub> PsC†C-PSPeC<sub>π</sub>  
 PiP<sub>μ</sub>PjP°C,PsP»PsPiC-C±PSP<sub>μ</sub>C... PiP°C<sub>π</sub>P°PjP<sub>μ</sub>C,C<sub>π</sub>C-PI C,P° PePsP<sub>μ</sub>PSCH- 2B<sub>π</sub>"3 C<sub>π</sub>PsPeP<sub>μ</sub>  
 PIP<sub>μ</sub>P·PSP°C±P°C,P<sub>μ</sub> C<sub>π</sub>C-PIPSC- PIC-C,P°PjC-PSC<sub>π</sub> B<sub>12</sub> PrP»C<sub>μ</sub> PePsPSC,C<sub>π</sub>PsP»C<sub>π</sub> P±C<sub>π</sub>PrC<sub>π</sub>-  
 C<sub>μ</sub>PeP<sub>μ</sub>C... PIC-PrC...P<sub>μ</sub>P»P<sub>μ</sub>PSCH C<sub>π</sub> PiP°C†C-C" PSC,C-PI, C<sub>μ</sub>PeC- PsC,C<sub>π</sub>P<sub>μ</sub>P<sub>μ</sub>C<sub>π</sub>C<sub>π</sub>C<sub>π</sub>,C<sub>π</sub>  
 P»C-PeC<sub>π</sub>PIP°PSPSC<sub>μ</sub> P»C-PeP°C<sub>π</sub>C<sub>π</sub>C<sub>π</sub>PeP<sub>μ</sub>Pj P·P°C<sub>π</sub>PsP±PsPj P<sub>μ</sub>C<sub>π</sub>C- PiPrC<sub>π</sub>Ps  
 P<sub>μ</sub>C<sub>π</sub>PsP»PsPSPi (PrP<sub>μ</sub>PI. C<sub>π</sub>PsP·PrC-P» B«P<sub>μ</sub>PsP±C-C±PSC- C<sub>π</sub>P<sub>μ</sub>P°PeC†C-C—B»).

# ***P“CḡPëP±PεPsPIC- C-PSC,,PμPεC†C-C— CḡC,P°C,PμPIPëC... PsCḡPiP°PSC-PI***

P—P°CḡC,PsCḡC†PIP°PSPSCḡ PrP°PïP°PiP»C-C,,P»PsP·PëPSC† P·P±C-P»CHC€C†C” CḡPëP·PëPe  
CḡPsP·PIPëC,PεC† PiCḡPëP±PePsPIPëC... C-PSC,,PμPεC†C-PNε CḡC,P°C,PμPIPëC...  
PsCḡPiP°PSC-PI. PμP°C†C-C”PSC,Pë P· PSP°CḡPIPSC-CḡC,Cḡ PI P°PSP°PjPSPμP·C-  
PiCḡPëP±PePsPIPëC... C-PSC,,PμPεC†C-PNε CḡC,P°C,PμPIPëC... PsCḡPiP°PSC-PI P±C†P»Pë  
P±C-P»CHC€ CḡC...PëP»CHPSC- PrPs CḡPsP·PIPëC,PεC† PiCḡPëP±PePsPIPëC...  
C-PSC,,PμPεC†C-PNε CḡC,P°C,PμPIPëC... PsCḡPiP°PSC-PI (PrPëPI. CḡPsP·PrC-P»  
B«PμPsP±C-C†PSC- CḡPμP°PεC†C-C—B»).

P PμPεPsPjPμPSPPrPsPIP°PSPëPNε PjPsPSC-C,PsCḡPëPSPi C- PïCḡPsPIPμPrPμPSPSCḡ  
PSP°P»PμPḡPSPsPiPs P»C-PεC†PIP°PSPSCḡ.

*P—P°CḡC,PsCḡC†PIP°PSPSCḡ C† PïPμCḡC-PsPr PIP°PiC-C,PSPsCḡC,C- P°P±Ps  
PiPsPrC†PIP°PSPSCḡ PiCḡC†PrPrCḡ.*

P’P°PiC-C,PSC-CḡC,CH

*P PμP·CḡPjPμ CḡPëP·PëPeC-PI*

PkP° PïC-PrCḡC,P°PIC- PrP°PSPëC... PrPsCḡP»C-PrPḡPμPSCḡ PSP° C,PIP°CḡPëPSP°C...,  
CḡPμP·C†P»CHC,P°C,Pë CḡPePëC... PIPeP°P·C†CḡC,CH PSP° PïPsP±C-C†PSC† PrC-Cḡ P·  
P±PsPεC† PSPëCḡPsPe, P»C-PεP°CḡCḡCHPePëPNε P·P°CḡC-P± PḡCḡC-PiPrC†Ps  
PμCḡPsP»PsPSPi PSPμ CḡPμPePsPjPμPSPPrC†C”C,CHCḡCḡ P·P°CḡC,PsCḡPsPIC†PIP°C,Pë PïC-Pr  
C†P°Cḡ PrCḡC†PiPsPiPs C,P° C,CḡPμC,CHPsPiPs C,CḡPëPjPμCḡC,CḡC-PI PIP°PiC-C,PSPsCḡC,C-.

PḡP±PjPμPḡPμPSPëC... PrP°PSPëC... C%PsPrPs P·P°CḡC,PsCḡC†PIP°PSPSCḡ  
P»C-PεP°CḡCḡCHPePsPiPs P·P°CḡPsP±C† PḡCḡC-PiPrC†Ps PμCḡPsP»PsPSPi P°P±Ps  
PrP°PïP°PiP»C-C,,P»PsP·PëPSC† PIP°PiC-C,PSPëPj PḡC-PSPeP°Pj PSPμPrPsCḡC,P°C,PSCḡPs,  
C%PsP± PIPëP·PSP°C†PëC,Pë CḡPëP·PëPe CḡPμCḡPNεPsP·PSPëC... PICḡPsPrPḡPμPSPëC... PIP°Pr  
CḡPsP·PIPëC,PεC† P°P±Ps PIPëPePëPrPSC-PI, PïPsPiḡḡ™ CḡP·P°PSPëC... C-P·  
P·P°CḡC,PsCḡC†PIP°PSPSCḡPj P»C-PεP°CḡCḡCHPePsPiPs P·P°CḡPsP±C†. P’  
PsPïC†P±P»C-PεPsPIP°PSPëC... PrP°PSPëC... PrPsCḡP»C-PrPḡPμPSCḡ  
P·P°CḡC,PsCḡC†PIP°PSPSCḡ PjPμC,C,,PsCḡPjC-PSC† PïC-Pr C†P°Cḡ PIP°PiC-C,PSPsCḡC,C- PSPμ  
PïPsPIC-PrPsPjP»CḡC”C,CHCḡCḡ PïCḡPs C†C-C,PεPëPNε P·Piḡḡ™ CḡP·PsPe  
P·P°CḡC,PsCḡC†PIP°PSPSCḡ PjPμC,C,,PsCḡPjC-PSC† P· CḡPëP·PëPePsPj CḡPμCḡPNεPsP·PSPëC...  
PICḡPsPrPḡPμPSPëC... PIP°Pr CḡPsP·PIPëC,PεC† P°P±Ps PIPëPePëPrPSC-PI (PrPëPI. [B«P”P°PSC-  
PrPsCḡP»C-PrPḡPμPSCḡB»](#)). P†CḡPSC†CḡC,CH CḡPëP·PëPePë PrP»Cḡ PjP°C,PμCḡC- C,P°  
PïP»PsPrP°, C%Ps PïPsPiḡḡ™ CḡP·P°PSC- P· PSPμPSP°P»PμPḡPSPëPj PePsPSC,CḡPsP»PμPj  
C†C†PeCḡPsPiPs PrC-P°P±PμC,C† PïC-Pr C†P°Cḡ PIP°PiC-C,PSPsCḡC,C- (PrPëPI.  
[B«PhC†C-PSPeP° PeP»C-PSC-C†PSPsC— PeP°CḡC,PëPSPëB»](#)).

Pj PrPsCḡP»C-PrPḡPμPSPSCḡC... PSP° C,PIP°CḡPëPSP°C... PïCḡPë PICḡC-C... CḡC-PIPSCḡC...  
PrPsP·C†PIP°PSCḡ PIC-PrPjC-C†P°P»PëCḡCḡ C,P°PeC- PïPsP±C-C†PSC- CḡPIPëC%P°, CḡPe  
CḡPsP·C€PëCḡPμPSPSCḡ PSPëCḡPePsPiPs— PjPëCḡPePë C,P° C,C†P±C†P»CḡCḡPSC-  
PrPëP»P°C,P°C†C-C—, CḡPeC- P±C†P»Pë PSPμ PïPsPIPSC-CḡC,Cḡ PsP±PsCḡPsC,PSC-, C†  
C%C†CḡC-PI, CḡPePëPj PIPiPsPrPëP»Pë PrP°PïP°PiP»C-C,,P»PsP·PëPS PïC-Pr C†P°Cḡ

P' PsPiCrP±P»C-PePsPIP°PSPëC... PrP°PSPëC... PiC-ClP»CΠCΠPμC"ClC,CΠP°C†C-PNëPSPëC... PrPsClP»C-PrP¶PμPSCℋ PSPμ PiPsPIC-PrPsPjP»CΠC"°C,CℋClCΠ PiCΠPs C‡C-C,PePëPNë P·PIℋ™ CΠP·PsPe PjC-P¶ PjPμC,C,,PsCΠPjC-PSPsPj C,P° ClPμCΠPNëPsP·PSPëPjPë PICΠPsPrP¶PμPSPëPjPë PIP°PrP°PjPë CΠPsP·PIPëC,PeCr, PIPëPePëPrPSCΠPjPë P°P±Ps PSPμP±P°P¶P°PSPëPjPë PSP°ClP»C-PrPeP°PjPë PrP»CΠ PjP°C,PμCΠPëPSClCℋPePsPiPs PsCΠPiP°PSC-P·PjCr P°P±Ps PiP»PsPrP° Cr CΠP°P·C- P·P°ClC,PsClCrPIP°PSPSCΠ PjPμC,C,,PsCΠPjC-PSCr PiC-Pr C‡P°Cl PIP°PiC-C,PSPsClC,C-. PhPrPSP°Pe P·P° CΠPμP·CrP»CℋC,P°C,P°PjPë C†PëC... PrPsClP»C-PrP¶PμPSCℋ PSPμPjPsP¶P»PëPIPs PsPrPSPsP·PSP°C‡PSPs PIClC,P°PSPsPIPëC,Pë PIC-PrClCrC,PSC-ClC,Cℋ P±CrPrCℋ- CΠPePsPiPs CΠPëP·PëPeCr, PiPsPIℋ™ CΠP·P°PSPsPiPs C-P· P·P°ClC,PsClCrPIP°PSPSCΠPj PjPμC,C,,PsCΠPjC-PSCr, C‡PμCΠPμP· PjPμC,PsPrPsP»PsPiC-C‡PSC- PsP±PjPμP¶PμPSPSCΠ, P·PsPeCΠPμPjP° PSPμPIPμP»PëPePëPNë PsP±ClCΠPi PIPëP±C-CΠPePë C,P° PSPμPIC-PrPiPsPIC-PrPSC-ClC,Cℋ PiCΠCrPiP°Pj P·P°ClC,PsClCrPIP°PSPSCΠ

$P \gg C - PeP^{\circ} C \bar{H} C \bar{I} C \bar{H} PePsPiPs \quad P \cdot P^{\circ} C \bar{I} PsP \pm Cr \quad \bar{P}iPsC \bar{H} C - PIPSC \bar{I} P S P S C \bar{I}.$

$P''P^{\circ}PSC - PrPsC \bar{I} P \gg C - PrP \bar{I} P \mu PSC \bar{H} PSP^{\circ} C, PIP^{\circ} C \bar{H} P \bar{e} PSP^{\circ} C \dots$

$P''P^{\circ}P \bar{i} P^{\circ} PiP \gg C - C, P \gg PsP \cdot P \bar{e} PS$

PJ  $PrPsC \bar{I} P \gg C - PrP \bar{I} P \mu P S P S C - P \cdot P^{\circ} C \bar{I} C, PsC \bar{I} C r PIP^{\circ} P S P S C \bar{I} \quad PrP^{\circ} P \bar{i} P^{\circ} PiP \gg C - C, P \gg PsP \cdot P \bar{e} P S C \bar{I}$   
 $P \pm P \mu P \cdot \bar{P}iPsC \bar{I} P \mu C \bar{H} P \mu PrP S C \bar{H} Ps \quad C \bar{H} PIP \mu P S C - P \gg C \bar{H} P S P \bar{e} Pj \quad C \% C r C \bar{H} P^{\circ} Pj \quad P \cdot 21 \quad \bar{P}iPs \quad 90$   
 $\bar{P}iPsC \bar{I} C, PSP^{\circ} C, P^{\circ} P \gg C \bar{H} P S P \bar{e} P N_{\bar{e}} \quad PrP \mu P S C \bar{H} \quad C r \quad PrPsP \cdot P^{\circ} C \dots 1, 15 \quad P^{\circ} P \pm Ps \quad 75 \quad PjPi/PePi/PrPsP \pm Cr$   
 $\bar{P}iPsPIC - PrPsPjP \gg C \bar{I} P \gg PsC \bar{I} C \bar{I} \quad \bar{P}iC \bar{H} Ps \quad P \cdot P \pm C - P \gg C \bar{H} C \bar{e} P \mu P S P S C \bar{I} \quad PjP^{\circ} C \bar{I} P \bar{e} \quad P S P \bar{e} C \bar{H} PeP \bar{e} \quad C, P^{\circ}$   
 $\bar{P}iC - PrPIP \bar{e} C \% P \mu P S P S C \bar{I} \quad C \bar{I} P^{\circ} C \bar{I} C, PsC, P \bar{e} \quad C \bar{H} PsP \cdot C \bar{e} P \bar{e} C \bar{H} P \mu P S P S C \bar{I} \quad P S P \bar{e} C \bar{H} PePsPIP sC -$   
 $PjP \bar{e} C \bar{I} PeP \bar{e} \quad C - C, C r P \pm C r P \gg C \bar{I} C \bar{H} P S P \bar{e} C \dots \quad PrP \bar{e} P \gg P^{\circ} C, P^{\circ} C \bar{I} C - P N_{\bar{e}} \quad \bar{P}iC \bar{H} P \bar{e} \quad PIC \bar{I} C - C \dots$   
 $C \bar{H} C - PIP S C \bar{I} C \dots \quad PrPsP \cdot C r PIP^{\circ} P S C \bar{H}. \quad P \quad C - PIP \mu P S C \bar{H} \quad P \mu PeC \bar{I} \bar{P}iPsP \cdot P \bar{e} C \bar{I} C - C - \bar{P}iC \bar{H} P \bar{e}$   
 $P S P^{\circ} P N_{\bar{e}} PjP \mu P S C \bar{e} C - P N_{\bar{e}} \quad PrPsC \bar{I} P \gg C - PrP \bar{I} C r PIP^{\circ} P S C - P N_{\bar{e}} \quad PrPsP \cdot C - C r \quad 15 \quad C \bar{H} P^{\circ} P \cdot C - PI$   
 $\bar{P}iP \mu C \bar{H} P \mu PIP \bar{e} C \% C r PIP^{\circ} PI \quad C, P^{\circ} PeC r \quad \bar{P}iC \bar{H} P \bar{e} \quad PeP \gg C - P S C - C \bar{I} P S C - P N_{\bar{e}} \quad PrPsP \cdot C - 10 \quad PjPi \quad (P S P^{\circ}$   
 $PsC \bar{I} P S PsPIC - PrP^{\circ} P S P \bar{e} C \dots \quad AUC). \quad P \quad PsP \cdot C \bar{e} P \bar{e} C \bar{H} P \mu P S P S C \bar{I} \quad P S P \bar{e} C \bar{H} PePsPIP sC - PjP \bar{e} C \bar{I} PeP \bar{e} \quad C -$   
 $C, C r P \pm C r P \gg C \bar{I} C \bar{H} P S C - PrP \bar{e} P \gg P^{\circ} C, P^{\circ} C \bar{I} C - C -, \quad C \% Ps \quad C \bar{I} \bar{P}iPsC \bar{I} C, P \mu C \bar{H} C - PiP^{\circ} P \gg P \bar{e} C \bar{I} C \bar{I} \quad C r$   
 $C \bar{H} PIP \mu P S C - P \gg C \bar{H} P S P \bar{e} C \dots \quad C, PIP^{\circ} C \bar{H} P \bar{e} PS, \quad \bar{P}iC \bar{H} PsC, C \bar{I} PiPsPj \quad \bar{P}iC \bar{H} P \bar{e} P \pm P \gg P \bar{e} P \cdot P S Ps \quad 1 -$   
 $PjC - C \bar{I} C \bar{I} C \bar{I} P S PsPiPs \quad \bar{P}iP \mu C \bar{H} C - PsPrC r \quad \bar{P}iPsPIP S C - C \bar{I} C, C \bar{H} \quad P S P \mu$   
 $PIC - PrP S PsPIP \gg C \bar{H} PIP^{\circ} P \gg P \bar{e} C \bar{I} C \bar{I}.$

PJ  $PrPsC \bar{I} P \gg C - PrP \bar{I} P \mu P S P S C - \bar{P}iC \bar{H} P \mu P S P^{\circ} C, P^{\circ} P \gg C \bar{H} P S PsPiPs \quad C, P^{\circ}$   
 $\bar{P}iPsC \bar{I} C, PSP^{\circ} C, P^{\circ} P \gg C \bar{H} P S PsPiPs \quad C \bar{H} PsP \cdot PIP \bar{e} C, PeC r \quad PrP^{\circ} P \bar{i} P^{\circ} PiP \gg C - C, P \gg PsP \cdot P \bar{e} PS$   
 $PIPIP sPrP \bar{e} P \gg P \bar{e} \quad C \bar{I} P^{\circ} PjPeP^{\circ} Pj \quad C \% C r C \bar{H} C - PI \quad P \cdot 6 - PiPs \quad \bar{P}iPs \quad 21 - P N_{\bar{e}} \quad PrP \mu P S C \bar{H} \quad \bar{P}iP \mu C \bar{H} C - PsPrC r$   
 $P \gg P^{\circ} PeC, P^{\circ} C \bar{I} C - C - PI \quad PrPsP \cdot P^{\circ} C \dots 1, 15 \quad P^{\circ} P \pm Ps \quad 75 \quad PjPi/PePi/PrPsP \pm Cr, \quad P^{\circ} \quad \bar{P}iPsC, PsPjC \bar{I} C, PIP s$   
 $Ps\bar{P}iPsC \bar{I} P \mu C \bar{H} P \mu PrPePsPIP^{\circ} P S Ps \quad P \cdot P^{\circ} P \cdot P S P^{\circ} P \gg Ps \quad PIP \bar{i} P \gg P \bar{e} PIC r \quad P \gg C - PeP^{\circ} C \bar{H} C \bar{I} C \bar{H} PePsPiPs$   
 $P \cdot P^{\circ} C \bar{I} PsP \pm Cr \quad \bar{P}iC - Pr \quad C \bar{I} P^{\circ} C \bar{I} \quad PIP S C \bar{I} C, C \bar{H} C - C \bar{e} P S C \bar{H} PsC \bar{I} C, C \bar{H} PsP \pm P S PsPiPs \quad C \bar{H} PsP \cdot PIP \bar{e} C, PeC \bar{I}$   
 $C - \bar{P}iC \bar{H} PsC, C \bar{I} PiPsPj \quad P \gg P^{\circ} PeC, P^{\circ} C \bar{I} C - C -. \quad P - P \pm C - P \gg C \bar{H} C \bar{e} P \mu P S P S C \bar{I}$   
 $P \cdot P^{\circ} C \dots PIP sC \bar{H} C \bar{H} PIP^{\circ} P S PsC \bar{I} C, C - P^{\circ} P \pm Ps \quad C \bar{I} C, C r \bar{P}iP \mu P S C \bar{I} \quad C, C \bar{I} P \bar{I} PePsC \bar{I} C, C -$   
 $C \bar{H} PsP \cdot C \bar{e} P \bar{e} C \bar{H} P \mu P S P S C \bar{I} \quad P S P \bar{e} C \bar{H} PePsPIP sC - PjP \bar{e} C \bar{I} PeP \bar{e} \quad C \bar{I} \bar{P}iPsC \bar{I} C, P \mu C \bar{H} C - PiP^{\circ} P \gg PsC \bar{I} C \bar{I} \quad C r$   
 $21 - PrP \mu P S P S PsPiPs \quad \bar{P}iPsC, PsPjC \bar{I} C, PIP^{\circ}, \quad C \bar{I} PeP \mu \quad P \cdot P^{\circ} P \cdot P S P^{\circ} P \gg Ps \quad P \gg C - PeC r PIP^{\circ} P S P S C \bar{I} \quad PI$   
 $PrPsP \cdot C - 75 \quad PjPi/PePi/PrPsP \pm Cr \quad (P \mu PeC \bar{I} \bar{P}iPsP \cdot P \bar{e} C \bar{I} C - C - PrP^{\circ} P \bar{i} P^{\circ} PiP \gg C - C, P \gg PsP \cdot P \bar{e} P S C \bar{I} \quad C r$   
 $PjP^{\circ} C, P \mu C \bar{H} C - PI \quad C - \bar{P}iPsC, PsPjC \bar{I} C, PIP^{\circ} \quad P \pm C r P \gg P \bar{e} \quad PIC - Pr\bar{P}iPsPIC - PrP S Ps \quad PI \quad 1415 \quad C - 137$   
 $C \bar{H} P^{\circ} P \cdot C - PI \quad PIP \bar{e} C \% P \bar{e} PjP \bar{e} \quad P \cdot P^{\circ} \quad C, P^{\circ} PeC - C r \quad P \gg C \bar{H} PrP \bar{e} P S P \bar{e} \quad \bar{P}iC \bar{H} P \bar{e} \quad PeP \gg C - P S C - C \bar{I} P S C - P N_{\bar{e}}$   
 $PrPsP \cdot C - 10 \quad PjPi, \quad P \cdot P^{\circ} \quad PrP^{\circ} P S P \bar{e} PjP \bar{e} \quad AUC). \quad P''PsP \cdot PsP \cdot P^{\circ} P \gg P \mu P \bar{I} P S P \mu \quad P \cdot P S P \bar{e} P \bar{I} P \mu P S P S C \bar{I}$   
 $PjP^{\circ} C \bar{I} P \bar{e} \quad C, C - P \gg P^{\circ} \quad \bar{P}iPsC, PsPjC \bar{I} C, PIP^{\circ} \quad C \bar{I} \bar{P}iPsC \bar{I} C, P \mu C \bar{H} C - PiP^{\circ} P \gg PsC \bar{I} C \bar{I} \quad \bar{P}iC \bar{H} P \bar{e} \quad PrPsP \cdot P^{\circ} C \dots,$   
 $C \% Ps \quad PI \quad 29 \quad P^{\circ} P \pm Ps \quad P \pm C - P \gg C \bar{H} C \bar{e} P \mu \quad C \bar{H} P^{\circ} P \cdot C - PI \quad \bar{P}iP \mu C \bar{H} P \mu PIP \bar{e} C \% C r PIP^{\circ} P \gg P \bar{e}$   
 $PeP \gg C - P S C - C \bar{I} P S C r \quad PrPsP \cdot C r \quad 10 \quad PjPi \quad (P \cdot P^{\circ} \quad PrP^{\circ} P S P \bar{e} PjP \bar{e} \quad AUC). \quad P - PsPrP S P \bar{e} C \dots$   
 $\bar{P}iPsP \pm C - C \bar{I} P S P \bar{e} C \dots \quad P \mu C, P \mu PeC, C - PI \quad P \cdot P^{\circ} \quad PeC - P S C \bar{I} P \mu PIP \bar{e} PjP \bar{e} \quad C \bar{H} P \mu P \cdot C r P \gg C \bar{H} C, P^{\circ} C, P^{\circ} PjP \bar{e}$   
 $C \bar{H} PsP \cdot PIP \bar{e} C, PeC r \quad \bar{P}iC \bar{H} P \bar{e} \quad PrPsP \cdot C - 1 \quad PjPi/PePi/PrPsP \pm Cr \quad P S P \mu \quad PIC - PrPjC - C \bar{I} P \gg PsC \bar{I} C \bar{I} \quad (C r$   
 $PrPsP \cdot C -, \quad C \% Ps \quad PI \quad 19 \quad C \bar{H} P^{\circ} P \cdot C - PI \quad \bar{P}iP \mu C \bar{H} P \mu PIP \bar{e} C \% C r C'' \quad PeP \gg C - P S C - C \bar{I} P S C r \quad PrPsP \cdot C r \quad 10 \quad PjPi,$   
 $P \cdot P^{\circ} \quad PrP^{\circ} P S P \bar{e} PjP \bar{e} \quad AUC). \quad P \bar{y} P^{\circ} PeC - C \bar{H} P \mu P \cdot C r P \gg C \bar{H} C, P^{\circ} C, P \bar{e} \quad PsC, C \bar{H} P \bar{e} PjP^{\circ} P S C - \bar{P}iC - Pr \quad C \bar{I} P^{\circ} C \bar{I}$   
 $P \mu PeC \bar{I} \bar{P}iPsP \cdot P \bar{e} C \bar{I} C - C - P \gg C - PeP^{\circ} C \bar{H} C \bar{I} C \bar{H} PePsPiPs \quad P \cdot P^{\circ} C \bar{I} PsP \pm Cr \quad PI \quad \bar{P}iP \mu C \bar{H} C - PsPr$   
 $C \bar{H} PsP \cdot PIP \bar{e} C, PeC r \quad P S P \bar{e} C \bar{H} PsPe \quad C r \quad C \% C r C \bar{H} C - PI, \quad C \% Ps \quad PIC - Pr\bar{P}iPsPIC - PrP^{\circ} C''$   
 $\bar{P}iC - P \cdot P S C \bar{H} PsPjC r \quad \bar{P}iP \mu C \bar{H} C - PsPrC r \quad PrC \bar{H} C r \bar{P}iPsPiPs \quad C, P^{\circ} \quad C, C \bar{H} P \mu C, C \bar{H} PsPiPs$   
 $C, C \bar{H} P \bar{e} PjP \mu C \bar{I} C, C \bar{H} C - PI \quad C \bar{H} PsP \cdot PIP \bar{e} C, PeC r \quad \bar{P}iP \gg PsPrP^{\circ} \quad C r \quad P \gg C \bar{H} PrP \bar{e} P S P \bar{e}.$

PJ  $PrPsC \bar{I} P \gg C - PrP \bar{I} P \mu P S P S C \bar{I} C \dots \quad P \mu PjP \pm C \bar{H} C - PsC, P \mu C, P^{\circ} P \gg C \bar{H} P S PsPiPs$   
 $PIP S C r C, C \bar{H} C - C \bar{e} P S C \bar{H} PsC r C, C \bar{H} PsP \pm P S PsPiPs \quad C \bar{H} PsP \cdot PIP \bar{e} C, PeC r \quad C \% C r C \bar{H} C - PI \quad C, P^{\circ}$   
 $PeC \bar{H} PsP \gg C - PI \quad PrP^{\circ} P \bar{i} P^{\circ} PiP \gg C - C, P \gg PsP \cdot P \bar{e} PS \quad PIP sPrP \bar{e} P \gg P \bar{e} \quad \bar{P}iC \bar{H} PsC, C \bar{I} PiPsPj \quad \bar{P}iP \mu C \bar{H} C - PsPrC r$   
 $PsC \bar{H} PIP^{\circ} P S PsPiP \mu P S P \mu P \cdot C r, \quad C \% Ps \quad PIC - Pr\bar{P}iPsPIC - PrP^{\circ} C'' \quad \bar{P}iP \mu C \bar{H} C \bar{e} PsPjC r$   
 $C, C \bar{H} P \bar{e} PjP \mu C \bar{I} C, C \bar{H} C r \quad PIP^{\circ} PiC - C, P S PsC \bar{I} C, C - C r \quad P \gg C \bar{H} PrP \bar{e} P S P \bar{e}. \quad Pj \quad C \% C r C \bar{H} C - PI$

PrP°PīP°PiP»C-C,,P»PsP·PēPS PSPμ C‡PēPSPēPI PSC- PμPjP±CḡC-PsP»PμC,P°P»CHbPSPsC—, PSC- C,PμCḡP°C,PsPiPμPSPSPsC— PrC-C— Cr PrPsP·P°C... PrPs 75 PjPi/PePi/PrPsP±Cḡ (C%Ps P·P° PrP°PSPēPjPē AUC Cr 1441 CḡP°P· PīPμCḡPμPIPēC%CrC” PeP»C-PSC-C‡PSCḡ PrPsP·Cḡ 10 PjPi). P”PsP·PsP·P°P»PμP¶PSPēPNē PIPīP»PēPI PSP° PīP»PsPrPē C%CrCḡC-PI (CḡC,CḡCḡPeC,CḡCḡPSC- P°PSPsPjP°P»C-C— C,P° P·PSPēP¶PμPSPSCḡ PjP°CḡPē C,C-P»P°) PIPēPSPēPeP°PI P»PēCēPμ PīCḡPē PIPēCḡPsPePēC... PrPsP·P°C..., C%Ps PrPsCḡC-PI PSCḡPIP°P»Pē P°P±Ps PīPμCḡPμPIPēC%CrPIP°P»Pē 150 PjPi/PePi (C%Ps P·P° PrP°PSPēPjPē AUC Cr 2344 CḡP°P·Pē PīPμCḡPμPIPēC%CrC” PeP»C-PSC-C‡PSCḡ PrPsP·Cḡ 10 PjPi). PŷP°PePēPNē PIPīP»PēPI P°CḡPsC†C-CḡPIP°PICḡCḡ P· C,PsPeCḡPēC‡PSPsCḡ PrC-C”Cḡ P»C-PeP°CḡCḡCHbPePsPiPs P·P°CḡPsP±Cḡ PSP° PjP°C,PμCḡPēPSCḡCHbPePēPNē PsCḡPIP°PSC-P·Pj. P-PsPrPSPsPiPs C,PsPeCḡPēC‡PSPsPiPs PIPīP»PēPICḡ PSP° PIPSCḡC,CḡC-CēPSCḡPsCḡC,CḡPsP±PSPēPNē CḡPsP·PIPēC,PsPe PeCḡPsP»C-PI PīCḡPē PrPsP·P°C... PrPs 180 PjPi/PePi/PrPsP±Cḡ (C%Ps P·P° PrP°PSPēPjPē AUC Cr 1191 CḡP°P· PīPμCḡPμPIPēC%CrC” PeP»C-PSC-C‡PSCḡ PrPsP·Cḡ 10 PjPi) PSPμ CḡPīPsCḡC,PμCḡC-PiP°P»PsCḡCḡ.

*PḡPμC,C,,PsCḡPjC-PSCḡ PiC-PrCḡPsC...P»PsCḡPēPr*

PḡPμC,C,,PsCḡPjC-PSCḡ PiC-PrCḡPsC...P»PsCḡPēPr PSPμ PIPēCḡPIP»CḡPI PSPμCḡPīCḡPēCḡC,P»PēPIPsPiPs PIPīP»PēPICḡ PSP° CḡPsP·PIPēC,PsPe PīP»PsPrP° Cr PIP°PiC-C,PSPēC... C%CrCḡC-PI P»C-PSC-C— PŷPīCḡP°Pi-P”PsCḡP»C- C,P° PeCḡPsP»C-PI Cr PrPsP·C- PrPs 600 PjPi/PePi/PrPsP±Cḡ PI PīPμCḡC-PsPr PsCḡPiP°PSPsPiPμPSPμP·Cḡ. P|Pμ CḡC,P°PSPsPIPēC,CH CḡC-PI PμPSCḡ PμPeCḡPīPsP·PēC†C-C—, C%Ps Cr 2bḡ”6 CḡP°P·C-PI PīPμCḡPμPIPēC%CrC” C,P°PePēPNē PīCḡPē PeP»C-PSC-C‡PSC-PNē PrPsP·C- 2000 PjPi P· CḡCḡP°C...CrPIP°PSPSCḡPj PīP»PsC%Cr- PīPsPIPμCḡC...PSC- C,C-P»P° (PjPi/Pj²) PrP»Cḡ C%CrCḡC-PI C,P° PeCḡPsP»C-PI PIC-PrPīPsPIC-PrPSPs. P’PēP·PSP°C‡PμPSPSCḡ PIPSCḡC,CḡC-CēPSCḡPsCḡC,CḡPsP±PSPēC... PePsPSC†PμPSC,CḡP°C†C-PNē PrPμPjPsPSCḡC,CḡCḡPIP°P»Ps C‡P°CḡC,PePsPIPēPNē PīP»P°C†PμPSC,P°CḡPSPēPNē P±P°Cḡbḡ™ C”Cḡ PrP»Cḡ PjPμC,C,,PsCḡPjC-PSCḡ.

P”PsPrCḡPIP°PSPSCḡ PiCḡCḡPrPrCḡ

*P PμP·CḡPjPμ CḡPēP·PēPeC-PI*

P”PsC,PμPīPμCḡ PSPμPjP°C” C-PSC,,PsCḡPjP°C†C-C— PīCḡPs PSP°CḡPIPSC-CḡC,CH P»C-PeP°CḡCḡCHbPePsPiPs P·P°CḡPsP±Cḡ PḡCḡC-PiPrCḡPs PḡCḡPsP»PsPSPi P°P±Ps PrP°PīP°PiP»C-C,,P»PsP·PēPSCḡ PI PiCḡCḡPrPSPsPjCḡ PjPsP»PsC†C- P»CḡPrPēPSPē, PīCḡPs C—C...PSC-PNē PIPīP»PēPI PSP° PSPμPjPsPIP»CḡC,, C%Ps P·PSP°C...PsPrCḡC,CHCḡCḡ PSP° PiCḡCḡPrPSPsPjCḡ PIPēPiPsPrPsPICḡPIP°PSPSC-, P°P±Ps PīCḡPs PIPīP»PēPI PSP° PīCḡPsPrCḡPeCḡPIP°PSPSCḡ PjPsP»PsPeP°.

PḡP±PjPμP¶PμPSC- PrP°PSC- PsPīCḡP±P»C-PePsPIP°PSPēC... CḡPμP·CḡP»CHbC,P°C,C-PI PrPsCḡP»C-PrP¶PμPSCḡ CḡPIC-PrC‡P°C,CH PīCḡPs PSP°CḡPIPSC-CḡC,CH PjPμC,C,,PsCḡPjC-PSCḡ PI PiCḡCḡPrPSPsPjCḡ PjPsP»PsC†C- P»CḡPrPēPSPē (PrPēPI. **B«P”P°PSC- PrPsCḡP»C-PrP¶PμPSCḡb»**). PḡPrPSP°Pe PīPsPePē C%Ps PSPμPrPsCḡC,P°C,PSCḡPs C-PSC,,PsCḡPjP°C†C-C— C%PsPrPs PIPīP»PēPICḡ PjPμC,C,,PsCḡPjC-PSCḡ PSP° PSPμPjPsPIP»CḡC,, C%Ps P·PSP°C...PsPrCḡC,CHCḡCḡ PSP° PiCḡCḡPrPSPsPjCḡ PIPēPiPsPrPsPICḡPIP°PSPSC-, C,P° PSPμPjP°C” PrPsCḡC,CḡPīPSPsC— C-PSC,,PsCḡPjP°C†C-C—



C%PsPrPs PIPiP»PëPICr PjPµC,C,,PsCḡPjC-PSCr PSP° PīCḡPsPrCrPeCrPIP°PSPSCḡ  
PjPsP»PsPeP°. P''P°PiP°PiP»C-C,,P»PsP·PëPS P±CrPI PSP°CḡPIPSPëPNḡ Cr PiCḡCrPrPSPsPjCr  
PjPsP»PsC†C- C%CrCḡC-PI (PrPëPI. B«P''P°PSC- PrPsCḡP»C-PrPḡPµPSCḡB»). PhPrPSP°Pe  
C†PµCḡPµP· PIPëPrPsPIC- PIC-PrPjC-PSPSPsCḡC,C- Cr C,,C-P·C-PsP»PsPiC-C—  
P»P°PeC,P°C†C-C— PeP»C-PSC-C†PSP° P·PSP°C†PëPjC-CḡC,Ch C†PëC... PrP°PSPëC... PSPµ C''  
PsPrPSPsP·PSP°C†PSPsCḡ. PhCḡPeC-P»ChPePë PrPsP·CḡC-PIP°PSPSCḡ PSPëCḡPsPe  
P»CḡPrPëPSPë PIC-PrP±CrPIP°C''C,ChCḡCḡ PIPSCrC,CḡC-CḡPSCḡPsCrC,CḡPsP±PSPs (in  
utero) C,P° PīCḡPsC,CḡPiPsPj PīPµCḡCḡPëC... 2 CḡPsPeC-PI PḡPëC,C,Cḡ, PI PīPµCḡC-PsPr  
PjPsPḡP»PëPIPsPiPs PIPiP»PëPICr PiCḡCrPrPSPsPiPs PIPëPiPsPrPsPICrPIP°PSPSCḡ PSP°  
PsCḡPiP°PSC-P·Pj, PjPsPḡPµ P±CrC,Pë PSP°CḡPIPSPëPNḡ CḡPëP·PëPe PrP»Cḡ PSPëCḡPsPe  
P»CḡPrPëPSPë, C%Ps CḡPsP·PIPëPIP°CḡC,ChCḡCḡ.

PḡPµCḡPµP· PīPsC,PµPSC†C-PNḡPSPs CḡPµCḡPNḡPsP·PSC- PīPsP±C-C†PSC- CḡPµP°PeC†C-C— Cr  
PSPµPjPsPIP»CḡC,, C%Ps P·PSP°C...PsPrCḡC,ChCḡCḡ PSP° PiCḡCrPrPSPsPjCr  
PIPëPiPsPrPsPICrPIP°PSPSC-, PḡC-PSPeP°Pj CḡPµPePsPjPµPSPrCrC''C,ChCḡCḡ PSPµ  
PiPsPrCrPIP°C,Pë PiCḡCrPrPrCḡ PīC-Pr C†P°Cḡ P·P°CḡC,PsCḡCrPIP°PSPSCḡ  
P»C-PeP°CḡCḡChPePsPiPs P·P°CḡPsP±Cr PḡCḡC-PiPrCrPs PµCḡPsP»PsPSi.

*P''P°PSC- PrPsCḡP»C-PrPḡPµPSCḡ*

*P''P°PiP°PiP»C-C,,P»PsP·PëPS*

P''P°PiP°PiP»C-C,,P»PsP·PëPS P±CrPI PSP°CḡPIPSPëPNḡ Cr PjPsP»PsC†C- C%CrCḡC-PI Cr  
CḡPiC-PIPIC-PrPSPsCḡPµPSPSC- PjPsP»PsPePs/PiP»P°P·PjP° 0,49, C%Ps CḡPIC-PrC†PëC,Ch  
PiCḡPs C,Pµ, C%Ps PrP°PiP°PiP»C-C,,P»PsP·PëPS C,P° PNḡPsPiPs PjPµC,P°P±PsP»C-C,Pë  
PīPsC,CḡP°PiP»CḡCḡC,Ch Cr PiCḡCrPrPSPµ PjPsP»PsPePs PI PePsPSC†PµPSC,CḡP°C†C-C—,  
CḡPeP° CḡC,P°PSPsPIPëC,Ch PiCḡPëP±P»PëP·PSPs 50 % PIC-Pr PePsPSC†PµPSC,CḡP°C†C-C—  
PI PīP»P°P·PjC- PjP°C,PµCḡC-. Pj CḡPIPµPSC-P»ChPSPëC... C%CrCḡC-PI, C%Ps  
P·P°P·PSP°P»Pë PiCḡCḡPjPsPiPs PIPiP»PëPICr PrP°PiP°PiP»C-C,,P»PsP·PëPSCr, PSP°CḡPIPSPëPNḡ  
CḡPëP·PëPe PīPsCḡCrCḡPµPSPSCḡ CḡPsP·PIPëC,PeCr PSPëCḡPsPe (CḡPsP·CḡPëCḡPµPSPSCḡ  
PSPëCḡPePsPiPs— PjPëCḡPePë C- C,CrP±CrP»CḡCḡPSC- PrPëP»P°C,P°C†C-C—) PīC-Pr C†P°Cḡ  
PrPsP·CḡC-PIP°PSPSCḡ.

*PḡPµC,C,,PsCḡPjC-PSCḡ PiC-PrCḡPsC...P»PsCḡPëPr*

PhPiCḡP±P»C-PePsPIP°PSC- CḡPµP·CrP»ChC,P°C,Pë PeP»C-PSC-C†PSPëC...  
PrPsCḡP»C-PrPḡPµPSCḡ PI PīPµCḡC-PsPr P»P°PeC,P°C†C-C— PIPeP°P·CrCḡC,Ch PSP°  
PSP°CḡPIPSC-CḡC,Ch PjPµC,C,,PsCḡPjC-PSCr Cr PiCḡCrPrPSPsPjCr PjPsP»PsC†C-  
P»CḡPrPëPSPë, C%Ps PiCḡPëP·PIPsPrPëC,Ch PrPs PIPiP»PëPICr PSP° PSPµPjPsPIP»CḡC,  
PrPsP·, CḡPeC- PiCḡPëP±P»PëP·PSPs CḡC,P°PSPsPIP»CḡC,Ch 0,11Bḡ"1 % PIC-Pr  
PjP°C,PµCḡPëPSCḡChPePsC— PrPsP·Pë, CḡPePsCḡPëPiPsPIP°PSPsC— P·P° PjP°CḡPsCḡ  
C,C-P»P°; CḡPiC-PIPIC-PrPSPsCḡPµPSPSCḡ PePsPSC†PµPSC,CḡP°C†C-PNḡ  
PjPµC,C,,PsCḡPjC-PSCr Cr PjPsP»PsC†C-/PiP»P°P·PjC- PI PjPµPḡP°C... 0,13Bḡ"1. PhPrPSP°Pe  
PrPsCḡP»C-PrPḡPµPSPSCḡ PSPµ P±CrP»Pë PiCḡPëP·PSP°C†PµPSC- PrP»Cḡ C,PsC†PSPsPiPs  
PICḡC,P°PSPsPIP»PµPSPSCḡ CḡPëP·PëPeCr P·P°CḡC,PsCḡCrPIP°PSPSCḡ PjPµC,C,,PsCḡPjC-PSCr  
PīC-Pr C†P°Cḡ PiPsPrCrPIP°PSPSCḡ PiCḡCrPrPrCḡ C†PµCḡPµP· PSPµPIPµP»PëPePëPNḡ  
PsP±CḡCḡPi PIPëP±C-CḡPePë C,P° PsP±PjPµPḡPµPSC-CḡC,Ch PrP°PSPëC... C%PsPrPs  
PSPµP±P°PḡP°PSPëC... CḡPIPëC%, CḡPeC- CḡPiPsCḡC,PµCḡC-PiP°P»PëCḡCḡ Cr  
PSPµPjPsPIP»CḡC,.

P—P°CḡC,PsCḡCrPIP°PSPSCḡ PḡC-PSPeP°Pj C,P° C†PsP»PsPIC-PeP°Pj  
CḡPµPiCḡPsPrCrPeC,PëPIPsPiPs PIC-PeCr

$$\text{в} \overline{\text{H}} \overline{\text{Y}} \quad \text{P}_{\text{H}} \text{PsC} \ddagger \text{P}^{\circ} \text{C}, \text{PePsPICr} \quad \text{PrPsP} \cdot \text{Cr} \quad \text{P} \gg \text{C} - \text{PeP}^{\circ} \text{C} \overline{\text{H}} \overline{\text{C}} \overline{\text{I}} \overline{\text{C}} \text{HbPePsPiPs} \quad \text{P} \cdot \text{P}^{\circ} \overline{\text{C}} \overline{\text{I}} \text{PsP} \pm \text{Cr} \quad \text{P}_{\text{b}} \overline{\text{C}} \overline{\text{I}} \text{C} - \text{PiPrCrPs}$$

$P_4C_7P\ddot{e}P_iP\ddot{e}PSP_\mu PSPSC\mathbb{I} P\cdot P^\circ C\acute{I}C,PsC\acute{I}C\acute{z}PIP^\circ PSPSC\mathbb{I} P\gg C-PeP^\circ C_7C\acute{I}CHPePsPiPs P\cdot P^\circ C\acute{I}PsP\pm C\acute{z}$   
 $C\ddagger P_\mu C_7P_\mu P\cdot P_iC_7PsPIP_\mu PrP_\mu PSPSC\mathbb{I} PsP\pm C\acute{I}C,P_\mu P\mathbb{I} P_\mu PSCH C-P\cdot P\cdot P^\circ C\acute{I}C,PsC\acute{I}C\acute{z}PIP^\circ PSPSC\mathbb{I} Pj$   
 $P\mathbb{N}ePsPrPsPIP^\circ PSP\ddot{e}C... PePsPSC,C_7P^\circ C\acute{I}C,PSP\ddot{e}C... C_7P_\mu C\ddagger PsPIP\ddot{e}PS$

РµР°С†С-С"РSC,Р°Рј, СЇРёС- РјР°СҢС,СҢ РІ Р°РSP°РјРSPµР·С- Р·Р°С...РІРScҢСҢРІР°РSPSCЇ  
РіРµС†С-РSPёРё, Р°Р»РёРPsРіРPsР»С-Р·Рј Р°Р±РPs СІРµСҢС†РµРІСІС  
РSPµРРPsСІС,Р°С,РSC-СІС,СҢ, С,Р° РіР°С†С-С"РSC,Р°Рј, СЇРёРёРј Р±СІРРСІС,СҢ  
РІРІРPsРРёС,Рё Р№РPsРРPsРІРјС-СІРSC- РёРPsРSC,СҢР°СІС,РSC- СҢРµС†РPsРІРёРSPё  
РІРSCСІС,СҢС-СёРSCҢРsР°СҢС,РµСҢС-Р°Р»СҢРSPs, РSPµРPsР±С...С-РРSPs  
РіСҢРёРёРёРёРSPёС,Рё Р·Р°СІС,РsСІСІРІР°РSPSCЇ РҗСІС-РіРРСІРPs РµСҢРsР»РsРSPі РSP°  
С±Р°СІ РіСҢРsРІРµРµРSPSCЇ РіСҢРsС†РµРРСІСҢРё РsР±СІС,РµР¶РµРSPSCЇ, С%Рs  
РіРµСҢРµРРРРРРРРРРРР РІРІРµРРРµРSPSCЇ Р№РPsРРPsРІРјС-СІРSPёС...  
РёРPsРSC,СҢР°СІС,РSPёС... СҢРµС†РPsРІРёРSP, Р°Р±РPs РРPs РSPµС—. Р§РµСҢРµРµ 48 РіРPsРРёРSP  
РіС-СІР»СЇ РіСҢРsС†РµРРСІСҢРё СІР»С-РР РіРPsРІС,РsСҢРSPs РsС†С-РSPёС,Рё СҢРёРРРРРР,  
СЇРёС%Рs С,,СІРSPёС†С-СЇ РSPёСҢРsРё РІРёСЇРІРёС,СҢСІСЇ СІС,Р°Р±С-Р»СҢРSPsСҢ,  
Р·Р°СІС,РsСІСІРІР°РSPSCЇ Р»С-РёР°СҢСІСҢРёРPsР Р·Р°СІРsР±СІ РҗСІС-РіРРСІРPs  
РµСҢРsР»РsРSPі РјРsР¶РSP° РіРPsРSPsРІРёС,Рё (РРРёРІ. СҢРsР·РРС-Р»  
В«РҢСІРsР±Р»РёРPsСІС,С- Р·Р°СІС,РsСІСІРІР°РSPSCЇВ»).

*РјРёРјРјС†Р°СІРPsРІµ РіСҢРёРёРёРёРSPµРSPSCЇ Р·Р°СІС,РsСІСІРІР°РSPSCЇ  
Р»С-РёР°СҢСІСҢРёРPsР Р·Р°СІРsР±СІ РРР»СЇ РіСҢРsРІРµРµРSPSCЇ РsРіРµСҢР°С†С-С—*

РµРµСҢРµРР СІРµСҢР№Р№РsР·РSPёРјРё С...С-СҢСІСҢРіС-С±РSPёРјРё РІС,СҢСІС†Р°РSPSCЇРјРё  
Р°Р±РPs РіСҢРsС†РµРРСІСҢРёРё, РіРsРІВҢ™ СЇР·Р°РSPёРјРё Р· С,СҢРёРІР°Р»Р»РёР»  
РіРPsР»РsРРСІРІР°РSPSCЇРј, СІР»С-РР РіСҢРёР·Р·СІРіРіРSPёС,Рё РіСҢРёР№Р№РsРј  
Р»С-РёР°СҢСІСҢРёРPs Р·Р°СІРsР±СІ РҗСІС-РіРРСІРPs РµСҢРsР»РsРSPі  
С%РsРSP°Р№РјРµРµРµ РSP° 3 РРSC-, СЇРёС%Рs С†Рµ РјРsР¶РР»РіРPs. РµСҢРёРёР№РsРј  
РҗСІС-РіРРСІРPs РµСҢРsР»РsРSPі РјРsР¶РSP° РІС-РРSPsРІРёС,Рё, РёРPsР»Рё СІС,Р°РPS  
РіР°С†С-С"РSC,Р° РёР»С-РSC-С±РSPs СІС,Р°Р±С-Р»СҢРSPёР№ С- РІС-РS РјРsР¶Рµ  
РІР¶РёРВРІР°С,Рё С—Р¶СІ РіРµСҢРsСҢР»Р»СҢР»СҢР (РРРёРІ. СҢРsР·РРС-Р»Рё  
В«РҢСІРsР±Р»РіРPsР»РіРPsСІС,С- Р·Р°СІС,РsСІСІРІР°РSPSCЇВ» С,Р°  
В«РРР°СҢРСҢРјР°РёРPsР»РsРіС-С±РSC- РІР»Р°СІС,РёРІPsСІС,С-В»).

*Р—Р°СІС,РsСІСІРІР°РSPSCЇ РsСІСРsР±Р»РіРіРі РіСҢСІСІРіРі РіР°С†С-С"РSC,С-РІ*

*Р—Р°СІС,РsСІСІРІР°РSPSCЇ РіР°С†С-С"РSC,Р°Рј Р»С-С,РSCҢРsРіРPs РІС-РёСІ*

*РҗСІС-РіРРСІРPs РµСҢРsР»РsРSPі*

РґРµРјРјР°С" РSPµРPsР±С...С-РРSPsСІС,С- СІ Р·РјС-РSC- СҢРµР¶РіР РРPsР·РІРІР°РSPSCЇ  
Р»С-РёРаСҢСІСҢРёРPs Р·РаСІРsР±СІ РҗСІС-РіРРСІРPs РµСҢРsР»РsРSPі РРР»СЇ  
РіР°С†С-С"РSC,С-РІ Р·Р°Р»РµРµРµРSPs РІС-РР РІС-РёСІ. Р РµРёРPsРјРSPРСІС"С,СҢСІСЇ  
Р±С-Р»СҢСё С±Р°СІС,Рs РіСҢРsРІPsРРёС,Рё РsС†С-РSPёСІ С,,СІРSPёС†С-С— РSPёСҢРsРё СІ  
РіР°С†С-С"РSC,С-РІ Р»С-С,РSCҢРsРіРPs РІС-РёСІ.

*Р"Р°РіРРіР»Р»С-С,,Р»РsР·РёРPS*

Р' РsР±ВҢ™ С"РРSP°РSC-Р№ РіСҢСІРіС- РіРаС†С-С"РSC,С-РІ, СЇРёС- Р±СҢР°Р»РёРё  
СІС†Р°СІС,СҢ СІ 21 РіРPsРРІС-Р№РSPs СІР»С-РіРsРјСІ РёРPsРSC,СҢРsР»СҢРsРІР°РSPsРјСІ  
РёР»С-РSC-С±РSPsРјСІ РРPsСІР»С-РРРµРµРSPSC- Р РsС†С-РSPёР РµС,,РµРёС,РёРІPsСІС,С-  
Р·РаСІС,РsСІСІРІР°РSPSCЇ РРРРіРРР»С-С,,Р»РsР·РёРPSСІ РРР»СЇ РіРsРёСҢРР°С%РµРSPSCЇ  
РіР»С-РёРµРјРјС-С±РSPsРіРPs РёРPsРSC,СҢРsР»СҢ, Р·РРіРР»Р»РsРј 1424 (24 %) Р· 5936  
РіРаС†С-С"РSC,С-РІ, СЇРёС- РsС,СҢРёРіРіРІРІР»Р»Р» Р»С-РёСІРІР°РSPSCЇ  
РРРРіРРР»С-С,,Р»РsР·РёРSPsРј, Р±СІР»Р» РІС-РёРsРј РІС-РР 65 СҢРsРёС-РІ, Р° 207 (3,5 %)  
РіРаС†С-С"РSC,С-РІ РјР»Р» РІС-Рё 75 СҢРsРёС-РІ С,Р° Р±С-Р»СҢСёРµРµ. РµС-СІР»СЇ  
РіСҢРsРІРµРµРSPSCЇ РјРsРSC-С,РsСҢРёРSPіСІ РSPёСҢРёРPsРІС— С,,СІРSPёС†С-С—

(C<sub>7</sub>H<sub>5</sub>PEP<sub>7</sub>α) P±C<sub>7</sub>PI P·C<sub>7</sub>PsP±P»P<sub>μ</sub>PSPEPN<sub>6</sub> PIPëC<sub>7</sub>PSPIPsPe, C%<sub>0</sub>Ps  
P<sub>μ</sub>C,,P<sub>μ</sub>PeC,PëPIPS-C<sub>7</sub>C,CH P·P°C<sub>7</sub>C,PsC<sub>7</sub>C<sub>7</sub>PIP°PSPSC<sub>7</sub> P»C-PeP°C<sub>7</sub>C<sub>7</sub>CHPePsPiPs  
P·P°C<sub>7</sub>PsP±C<sub>7</sub> P<sub>7</sub>P°C<sub>7</sub>C-C''PSC,P°PjPë PIC-PePsPj PrPs 65 C<sub>7</sub>PsPeC-PI C- P<sub>7</sub>P°C<sub>7</sub>C-C''PSC,P°PjPë  
PIC-PePsPj P<sub>7</sub>PsPSP°Pr 65 C<sub>7</sub>PsPeC-PI P±C<sub>7</sub>P»P° C<sub>7</sub>C...PsP<sub>7</sub>PsC<sub>7</sub>. Pj P<sub>7</sub>P°C<sub>7</sub>C-C''PSC,C-PI  
PIC-PePsPj ≥ 65 C<sub>7</sub>PsPeC-PI P<sub>7</sub>PsP±C-C<sub>7</sub>PSC- C<sub>7</sub>P<sub>μ</sub>P°PeC<sub>7</sub>C-C— C<sub>7</sub> PIPëPiP»C<sub>7</sub>PIPrC-  
PiC-P<sub>7</sub>PsC,P<sub>μ</sub>PSP·C-C— PIPëPSPëPeP»Pë C<sub>7</sub> P±C-P»CHC€PsPiPs PIC-PrC<sub>7</sub>PsC,PeP° C,PëC...,  
PePsPiPs P»C-PeC<sub>7</sub>PIP°P»Pë PrP°P<sub>7</sub>P°PiP»C-C,,P»PsP·PëPSPsPj (PrPëPI. C<sub>7</sub>PsP·PrC-P»Pë  
B«PhC<sub>7</sub>PsP±P»PëPIPsC<sub>7</sub>C,C- P·P°C<sub>7</sub>C,PsC<sub>7</sub>C<sub>7</sub>PIP°PSPSC<sub>7</sub>B» C,P° B«P<sub>μ</sub>PsP±C-C<sub>7</sub>PSC-  
C<sub>7</sub>P<sub>μ</sub>P°PeC<sub>7</sub>C-C-B»).

*P<sub>7</sub>hP<sub>μ</sub>C,C,,PsC<sub>7</sub>PjC-PSC<sub>7</sub> PiC-PrC<sub>7</sub>PsC...P»PsC<sub>7</sub>PëPr*

P<sub>7</sub>PsPSC,C<sub>7</sub>PsP»CHPsPIP°PSC- PeP»C-PSC-C<sub>7</sub>PSC- PrPsC<sub>7</sub>P»C-PrP<sub>7</sub>PIP<sub>μ</sub>PSPSC<sub>7</sub>  
P·P°C<sub>7</sub>C,PsC<sub>7</sub>C<sub>7</sub>PIP°PSPSC<sub>7</sub> PjP<sub>μ</sub>C,C,,PsC<sub>7</sub>PjC-PSC<sub>7</sub> PSP<sub>μ</sub> P<sub>7</sub>P<sub>μ</sub>C<sub>7</sub>P<sub>μ</sub>PrP±P°C<sub>7</sub>P°P»Pë  
PrPsC<sub>7</sub>C,P°C,PSCHPsC— PeC-P»CHPePsC<sub>7</sub>C,C- P<sub>7</sub>P°C<sub>7</sub>C-C''PSC,C-PI P»C-C,PSCHPsPiPs  
PIC-PeC<sub>7</sub>, C%<sub>0</sub>PsP± PIPëP·PSP°C<sub>7</sub>PëC,Pë, C<sub>7</sub>Pë PIC-PrP<sub>7</sub>PsPIC-PrCH PSP°  
P·P°C<sub>7</sub>C,PsC<sub>7</sub>C<sub>7</sub>PIP°PSPSC<sub>7</sub> P»C-PeP°C<sub>7</sub>C<sub>7</sub>CHPePsPiPs P·P°C<sub>7</sub>PsP±C<sub>7</sub> C<sub>7</sub> P<sub>7</sub>P°C<sub>7</sub>C-C''PSC,C-PI  
P»C-C,PSCHPsPiPs PIC-PeC<sub>7</sub> PIC-PrC<sub>7</sub>C-P·PSC<sub>7</sub>C''C,CHC<sub>7</sub>C<sub>7</sub> PIC-Pr PIC-PrP<sub>7</sub>PsPIC-PrC- C<sub>7</sub>  
P<sub>7</sub>P°C<sub>7</sub>C-C''PSC,C-PI PjPsP»PsPrC€PsPiPs PIC-PeC<sub>7</sub>. P—P°PiP°P»PsPj PrPsP·C<sub>7</sub> PrP»C<sub>7</sub>  
P»C-C,PSC-C... P<sub>7</sub>P°C<sub>7</sub>C-C''PSC,C-PI C<sub>7</sub>P»C-Pr PiC-PrP±PëC<sub>7</sub>P°C,Pë P·  
PsP±P<sub>μ</sub>C<sub>7</sub>P<sub>μ</sub>PIPSC-C<sub>7</sub>C,CH, P<sub>7</sub>PsC<sub>7</sub>PëPSP°C<sub>7</sub>C<sub>7</sub>Pë P· PSPëP<sub>7</sub>PSCHPsPiPs P·PSP°C<sub>7</sub>P<sub>μ</sub>PSPSC<sub>7</sub>  
PrC-P°P<sub>7</sub>P°P·PsPSC<sub>7</sub> PrPsP·, P· PsPiP»C<sub>7</sub>PIPrC<sub>7</sub> PSP° P±C-P»CHC€C<sub>7</sub> C<sub>7</sub>P°C<sub>7</sub>C,PsC,C<sub>7</sub>  
P<sub>7</sub>PsPiC-C<sub>7</sub>C€P<sub>μ</sub>PSPSC<sub>7</sub> C,,C<sub>7</sub>PSPeC<sub>7</sub>C-C— P<sub>7</sub>P<sub>μ</sub>C<sub>7</sub>C-PSPePë, PSPëC<sub>7</sub>PsPe P°P±Ps C<sub>7</sub>P<sub>μ</sub>C<sub>7</sub>C<sub>7</sub>C<sub>7</sub>,  
P° C,P°PePsP<sub>7</sub> PSP°C<sub>7</sub>PIPSC-C<sub>7</sub>C,CH C<sub>7</sub>C<sub>7</sub>PiC<sub>7</sub>C,PSC-C... P·P°C...PIPsC<sub>7</sub>CHPIP°PSC<sub>7</sub> P°P±Ps  
P·P°C<sub>7</sub>C,PsC<sub>7</sub>C<sub>7</sub>PIP°PSPSC<sub>7</sub> C-PSC€PëC... P»C-PeP°C<sub>7</sub>C<sub>7</sub>CHPePëC... P·P°C<sub>7</sub>PsP±C-PI C,P°  
PIPëC%<sub>0</sub>PëPN<sub>6</sub> C<sub>7</sub>PëP·PëPe C<sub>7</sub>PsP·PIPëC,PeC<sub>7</sub> P»P°PeC,PsP°C<sub>7</sub>PëPrPsP·C<sub>7</sub>. P<sub>μ</sub>P°C<sub>7</sub>C-C''PSC,P°Pj  
P»C-C,PSCHPsPiPs PIC-PeC<sub>7</sub> C<sub>7</sub>P<sub>μ</sub>PePsPjP<sub>μ</sub>PSPPrPsPIP°PSP° P±C-P»CHC€ C<sub>7</sub>P°C<sub>7</sub>C,P°  
PsC<sub>7</sub>C-PSPeP° C,,C<sub>7</sub>PSPeC<sub>7</sub>C-C— PSPëC<sub>7</sub>PsPe (PrPëPI. C<sub>7</sub>PsP·PrC-P»  
B«PhC<sub>7</sub>PsP±P»PëPIPsC<sub>7</sub>C,C- P·P°C<sub>7</sub>C,PsC<sub>7</sub>C<sub>7</sub>PIP°PSPSC<sub>7</sub>B»).

*P<sub>μ</sub>PsC<sub>7</sub>C<sub>7</sub>C€P<sub>μ</sub>PSPSC<sub>7</sub> C,,C<sub>7</sub>PSPeC<sub>7</sub>C-C— PSPëC<sub>7</sub>PsPe*

P—P°C<sub>7</sub>C,PsC<sub>7</sub>C<sub>7</sub>PIP°PSPSC<sub>7</sub> PrP°P<sub>7</sub>P°PiP»C-C,,P»PsP·PëPSC<sub>7</sub> PSP<sub>μ</sub>  
C<sub>7</sub>P<sub>μ</sub>PePsPjP<sub>μ</sub>PSPPrC<sub>7</sub>C''C,CHC<sub>7</sub>C<sub>7</sub>, C<sub>7</sub>PeC%<sub>0</sub>Ps C<sub>7</sub>PEP<sub>7</sub>α C<sub>7</sub>C,P°PSPsPIPëC,CH PjP<sub>μ</sub>PSC€P<sub>μ</sub>  
45 PjP»/C...PI/1,73 Pj<sup>2</sup> (PrPëPI. C<sub>7</sub>PsP·PrC-P»Pë [B«P<sub>7</sub>PiPsC<sub>7</sub>C-P± P·P°C<sub>7</sub>C,PsC<sub>7</sub>C<sub>7</sub>PIP°PSPSC<sub>7</sub>  
C,P° PrPsP·PëB»](#) C,P° B«PhC<sub>7</sub>PsP±P»PëPIPsC<sub>7</sub>C,C- P·P°C<sub>7</sub>C,PsC<sub>7</sub>C<sub>7</sub>PIP°PSPSC<sub>7</sub>B»), C-  
P<sub>7</sub>C<sub>7</sub>PsC,PëP<sub>7</sub>PsPeP°P·P°PSP<sub>μ</sub> P<sub>7</sub>P°C<sub>7</sub>C-C''PSC,P°Pj C-P· PSPëC<sub>7</sub>PePsPiPsC<sub>7</sub>  
PSP<sub>μ</sub>PrPsC<sub>7</sub>C,P°C,PS-C<sub>7</sub>C,CH C,C<sub>7</sub>PIPePsPiPs C<sub>7</sub>C,C<sub>7</sub>PiP<sub>μ</sub>PSC<sub>7</sub> (C<sub>7</sub>PEP<sub>7</sub>α PjP<sub>μ</sub>PSC€P<sub>μ</sub>  
30 PjP»/C...PI/1,73 Pj<sup>2</sup>) P°P±Ps C,P<sub>μ</sub>C<sub>7</sub>PjC-PSP°P»CHPSPsC<sub>7</sub> C<sub>7</sub>C,P°PrC-C''C<sub>7</sub> C...PIPsC<sub>7</sub>PsP±Pë  
PSPëC<sub>7</sub>PsPe (PrPëPI. C<sub>7</sub>PsP·PrC-P» B B«P<sub>μ</sub>C<sub>7</sub>PsC,PëP<sub>7</sub>PsPeP°P·P°PSPSC<sub>7</sub>B»).

P—P°C<sub>7</sub>C,PsC<sub>7</sub>C<sub>7</sub>PIP°PSPSC<sub>7</sub> PrP°P<sub>7</sub>P°PiP»C-C,,P»PsP·PëPSC<sub>7</sub> PIPëPIC<sub>7</sub>P°P»PsC<sub>7</sub>C<sub>7</sub> C<sub>7</sub>  
PrPIPsC... PrPsC<sub>7</sub>P»C-PrP<sub>7</sub>PIP<sub>μ</sub>PSPSC<sub>7</sub>C... PiP»C-PeP<sub>μ</sub>PjC-C<sub>7</sub>PSPsPiPs PePsPSC,C<sub>7</sub>PsP»C<sub>7</sub>,  
C<sub>7</sub>PeC- PIPeP»C<sub>7</sub>C<sub>7</sub>P°P»Pë P<sub>7</sub>P°C<sub>7</sub>C-C''PSC,C-PI C-P· P<sub>7</sub>PsC<sub>7</sub>C<sub>7</sub>C€P<sub>μ</sub>PSPSC<sub>7</sub>Pj C,,C<sub>7</sub>PSPeC<sub>7</sub>C-C—  
PSPëC<sub>7</sub>PsPe P<sub>7</sub>PsPjC-C<sub>7</sub>PSPsPiPs C<sub>7</sub>C,C<sub>7</sub>PiP<sub>μ</sub>PSC<sub>7</sub> (C<sub>7</sub>PEP<sub>7</sub>α PIC-Pr 45 PrPs  
60 PjP»/C...PI/1,73 Pj<sup>2</sup> C,P° C<sub>7</sub>PEP<sub>7</sub>α PIC-Pr 30 PrPs 60 PjP»/C...PI/1,73 Pj<sup>2</sup>).

P<sub>μ</sub>C<sub>7</sub>PsC,,C-P»CH P±P<sub>μ</sub>P·P<sub>7</sub>P<sub>μ</sub>PePë PrP°P<sub>7</sub>P°PiP»C-C,,P»PsP·PëPSC<sub>7</sub> PI P<sub>7</sub>P°C<sub>7</sub>C-C''PSC,C-PI C-P·  
C<sub>7</sub>PEP<sub>7</sub>α PIC-Pr 45 PrPs 60 PjP»/C...PI/1,73 Pj<sup>2</sup> P±C<sub>7</sub>PI C<sub>7</sub>C...PsP<sub>7</sub>PIPëPN<sub>6</sub> P· C,P°PePëPj PI  
P·P°PiP°P»CHPSC-PN<sub>6</sub> P<sub>7</sub>PsP<sub>7</sub>C<sub>7</sub>P»C<sub>7</sub>C<sub>7</sub>C-C— P<sub>7</sub>P°C<sub>7</sub>C-C''PSC,C-PI C-P· C<sub>7</sub>C<sub>7</sub>PeC<sub>7</sub>PsPIPëPj  
PrC-P°P±P<sub>μ</sub>C,PsPj 2-PiPs C,PëPiC<sub>7</sub>. P<sub>7</sub>PsC<sub>7</sub>P° PI P<sub>7</sub>P°C<sub>7</sub>C-C''PSC,C-PI PiC<sub>7</sub>C<sub>7</sub>PiPë  
P·P°C<sub>7</sub>C,PsC<sub>7</sub>C<sub>7</sub>PIP°PSPSC<sub>7</sub> PrP°P<sub>7</sub>P°PiP»C-C,,P»PsP·PëPSC<sub>7</sub> PIC-PrPjC-C<sub>7</sub>P°P»PsC<sub>7</sub>C<sub>7</sub>

Р·PSPëP¶PµPSPSC¼ C¶PËP¬Pα PîPsC¶C-PIPSC¼PSPs Р· PîC¶CíPîPsC¶  
P·P·C¶C,PsC¶CíPîP°PSPSC¼ PîP»P°C†PµP±Ps, C¶PËP¬Pα P·P°P·PIPëC±P°P№  
PîPsPIPµC¶C,P°P»P°C¶C¼ PîPs PIPëC...C-PrPSPëC... P·PSP°C±PµPSC¶ PîC-C¶P»C¼  
PîC¶PëPîPëPSPµPSPSC¼ P»C-PeCíPîP°PSPSC¼. P¶ PîP°C†C-C"PSC,C-PI C-P·  
PîPsC¶CíCëPµPSPSC¼P¶ C,,CíPSPeC†C-C— PSPëC¶PsPe, C¼PeC- PîC¶PëP№PjP°C¶C,CH  
PîP°PîP°PîP»C-C,,P»PsP·PëPS PîP»C¼ PîP»C-PePµPjC-C±PSPsPîPs PePsPSC,C¶PsP»C¶,  
PIC-PrPjC-C±P°C"C,CHC¶C¼ PIPëC%P° P№PjPsPIC-C¶PSC-C¶C,CH PIPëPSPëPePSPµPSPSC¼  
P°C¶C,PµC¶C-P°P»CHPSPsC— PîC-PîPsC,PµPSP·C-C— C,P° C¶PëP·PëPe PîPsC¶C,C¶PsPîPs  
CíC¶P°P¶PµPSPSC¼ PSPëC¶PsPe. P¶ PîPsC¶P»C-PrP¶PµPSPSC- P·P° CíC±P°C¶C,C¶  
PîP°C†C-C"PSC,C-PI C-P· C¶PËP¬Pα PIC-Pr 30 PîPs 60 PjP»/C...PI/1,73 Pj² Cí 13  
PîP°C†C-C"PSC,C-PI, C¼PeC- PsC,C¶PëPjCíPîP°P»Pë PîP°PîP°PîP»C-C,,P»PsP·PëPS,  
C¶PîPsC¶C,PµC¶C-PîP°P»PëC¶C¼ PîPµC¶PµP»PsPjPë PeC-C¶C,PsPe PîPsC¶C-PIPSC¼PSPs Р·  
PIC-PrC¶CíC,PSC-C¶C,C¶ PîPµC¶PµP»PsPjC-PI Cí C,PëC... PîP°C†C-C"PSC,C-PI, C¼PeC-  
PsC,C¶PëPjCíPîP°P»Pë PîP»P°C†PµP±Ps.

*P¬PµC,C,,PsC¶PjC-PSCé PîC-PrC¶PsC...P»PsC¶PëPr*

P¬PµC,C,,PsC¶PjC-PS P·PSP°C±PSPsC¶ PjC-C¶PsC¶ PIPëPIPîPîPëC,CHC¶C¼ PSPëC¶PeP°PjPë,  
C,PsPjCí C¶PëP·PëPe PSP°PePsPîPëC±PµPSPSC¼ PjPµC,C,,PsC¶PjC-PSCí PI PsC¶PîP°PSC-P·PjC-  
B C,P° C¶PsP·PIPëC,PeCí P»P°PeC,PsP°C†PëPrPsP·Cí P·P±C-P»CHCëCíC"C,CHC¶C¼  
PIC-PrPîPsPIC-PrPSPs PîPs C¶C,CíPîPµPSC¼ C,C¼P¶PePsC¶C,C- PîPsC¶CíCëPµPSPSC¼  
C,,CíPSPeC†C-C— PSPëC¶PsPe. P—P°C¶C,PsC¶CíPîP°PSPSC¼ P»C-PeP°C¶CíCHPePsPîPs  
P·P°C¶PsP±Cí P¬C¶C-PîPîCíPs PµC¶PsP»PsPSPi PîC¶PsC,PëPîPsPeP°P·P°PSPµ PîC¶Pë  
PSPëC¶PePsPIC-P№ PSPµPîPsC¶C,P°C,PSPsC¶C,C- C,C¼P¶PePsPîPs C¶C,CíPîPµPSC¼ C,P°  
PîC¶Pë C¶PsP·C¶P°C...PsPIP°PSC-P№ CëPIPëPrPePsC¶C,C- PeP»CíP±PsC±PePsPIPSc—  
C,,C-P»CHC,C¶P°C†C-C— (C¶PËP¬Pα) PjPµPSCëPµ 30 PjP»/C...PI/1,73 Pj² (PrPëPI.  
C¶PsP·PrC-P»Pë [B«P¶PîPsC¶C-P± P·P°C¶C,PsC¶CíPîP°PSPSC¼ C,P° PrPsP·PëB»](#),  
[B«PµC¶PsC,PëPîPsPeP°P·P°PSPSC¼B»](#), [B«P¬C¶PsP±P»PëPIPSc¶C,C-](#)  
[P·P°C¶C,PsC¶CíPîP°PSPSC¼B»](#) C,P° B«PαP°C¶PjP°PePsP»PsPîC-C±PSC-  
PIP»P°C¶C,PëPIPSc¶C,C-B»).

*PµPsC¶CéCëPµPSPSC¼ C,,CéPSPeC†C-C— PîPµC±C-PSPePë*

P—P°C¶C,PsC¶CíPîP°PSPSC¼ PjPµC,C,,PsC¶PjC-PSCí PîP°C†C-C"PSC,P°Pj C-P·  
PîPsC¶CíCëPµPSPSC¼PjPë C,,CíPSPeC†C-C— PîPµC±C-PSPePë P±CíP»Ps PîPsPîB¶™ C¼P·P°PSPs  
C-P· PrPµC¼PePëPjPë PIPëPîP°PrPeP°PjPë P»P°PeC,PsP°C†PëPrPsP·Cí. P¬C¶C-PîPîCíPs  
PµC¶PsP»PsPSPi PSPµ C¶PµPePsPjPµPSPPrPsPIP°PSPëP№ PîP°C†C-C"PSC,P°Pj C-P·  
PîPsC¶CíCëPµPSPSC¼PjPë C,,CíPSPeC†C-C— PîPµC±C-PSPePë (PrPëPI. C¶PsP·PrC-P»  
B«P¬C¶PsP±P»PëPIPSc¶C,C- P·P°C¶C,PsC¶CíPîP°PSPSC¼B»).

**P"C-C,Pë.**

P·PµP·PîPµPeP° C,P° PµC,,PµPeC,PëPIPSC-C¶C,CH P·P°C¶C,PsC¶CíPîP°PSPSC¼  
P»C-PeP°C¶CíCHPePsPîPs P·P°C¶PsP±Cí P¬C¶C-PîPîCíPs PµC¶PsP»PsPSPi  
PîPµPrC-P°C,C¶PëC±PSPëPj PîP°C†C-C"PSC,P°Pj (PIC-PePsPj PîPs 18 C¶PsPeC-PI) PSPµ  
PIC¶C,P°PSPsPIP»PµPSC-.

**PµPµC¶PµPrPsP·CéPIP°PSPSC¼.**

$$\text{B}\ddot{\text{H}}\ddot{\text{Y}} \quad \text{PePsPSC} \uparrow \text{P}\mu\text{PSC}, \text{C}\ddot{\text{H}}\text{P}^\circ\text{C} \uparrow \text{C}-\text{C}-\text{PIC}-\text{C}, \text{P}^\circ\text{PjC}-\text{PSCr} \text{ B}_{12} \text{ (PrP}\ddot{\text{e}}\text{PI. C}\ddot{\text{H}}\text{PsP}\cdot\text{PrC}-\text{P}\gg$$

В«PhCfPSP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCfB»);

вґґ PiCґPëP±PePsPIC- C-PSC,,PµPeC†C-C— CfC,P°C,PµPIPëC... PsCґPiP°PSC-PI (PrPëPI.  
CґPsP·PrC-P» В«PhCfPSP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCfB»).

*P"PsCfPIC-Pr PeP»C-PSC-C†PSPëC... PrPsCfP»C-PrP¶PµPSCґ*

PhCfPeC-P»CHPePë PeP»C-PSC-C†PSC- PIPëPiCґPsP±CfPIP°PSPSCf  
PiCґPsPIPsPrCfC,CHCfCfCf PI CґC-P·PSPëC... CfPjPsPIP°C..., C,Ps C†P°CfC,PsC,Cf  
PiPsP±C-C†PSPëC... CґPµP°PeC†C-PN, C°Ps CfPiPsCfC,PµCґC-PiP°C"C,CHCfCfCf PI  
PeP»C-PSC-C†PSPëC... PIPëPiCґPsP±CfPIP°PSPSCfC... P»C-PeP°CґCfCHPePsPiPs  
P·P°CfPsP±Cf, PSPµ PjPsP¶PSP° P±PµP·PiPsCfPµCґPµPrPSCґPs PiPsCґC-PIPSCfC,Pë P·  
C†P°CfC,PsC,PsCґ PI PeP»C-PSC-C†PSPëC... PIPëPiCґPsP±CfPIP°PSPSCfC... C-PSCëPëC...  
P»C-PeP°CґCfCHPePëC... P·P°CfPsP±C-PI, P° PsC,CґPëPjP°PSC- PiPsPeP°P·PSPëPePë  
PjPsP¶CfC,CH PSPµ PIC-PrPsP±CґP°P¶P°C,Pë CґPµP°P»CHPSCf C†P°CfC,PsC,Cf  
PiPsP±C-C†PSPëC... CґPµP°PeC†C-PN, C°Ps CfPiPsCfC,PµCґC-PiP°CґC,CHCfCfCf Cf  
PeP»C-PSC-C†PSC-PN PiCґP°PeC,PëC†C-.

*P"P°PiP°PiP»C-C,,P»PsP·PëPS C- PjPµC,C,,PsCґPjC-PSCз PiC-PrCґPsC...P»PsCґPëPr*

P"P»CfCf PsC†C-PSPëPë P±PµP·PiPµPePë P±CfP»Pë PIPëPePsCґPëCfC,P°PSC- PrP°PSC-,  
PsC,CґPëPjP°PSC- P·P° CfC†P°CfC,Cґ PiPsPiPµCґPµPrPSCґPs PIPëP·PSP°C†PµPSPëC...  
PiP°C†C-C"PSC,C-PI вґґ CfC†P°CfPSPëPeC-PI 8 PePsCґPsC,PePsCfC,CґPsPePsPIPëC...  
PiP»P°C†PµP±Ps-PePsPSC,CґPsP»CHPsPIP°PSPëC... PrPsCfP»C-PrP¶PµPSCґ  
CfCfPiCfC,PSCHPsPiPs P·P°CfC,PsCfCfPIP°PSPSCfCf PrP°PiP°PiP»C-C,,P»PsP·PëPSCf C-  
PjPµC,C,,PsCґPjC-PSCf PePsCґPsC,PePsC— P°P±Ps PiCґPsP»PsPSPiPsPIP°PSPSc— PrC-C—.  
PhPeCґC-Pj C†CHPsPiPs, P±CfP»Ps PiCґPsPIPµPrPµPSPs PrPµPeC-P»CHPeP°  
PrPsPrP°C,PePsPIPëC... PrPsCfP»C-PrP¶PµPSCґ: PrPsCfP»C-PrP¶PµPSPSCfCf  
PjPsPSPSc,PµCґP°PiC-C— PjPµC,C,,PsCґPjC-PSPsPj C- PrPsCfP»C-PrP¶PµPSPSCfCf  
PePsPjP±C-PSPsPIP°PSPsPiPs P·P°CfC,PsCfCfPIP°PSPSCfCf C-PSPiC-P±C-C,PsCґP°  
PrPëPiPµPiC,PëPrPëP»PiPµPiC,PëPrP°P·Pë-4 (P"PiPµ4) C,P° PjPµC,C,,PsCґPjC-PSCf P°P±Ps  
C-PSCfCfP»C-PSCf C,P° PjPµC,C,,PsCґPjC-PSCf, 2 PrPsCfP»C-PrP¶PµPSPSCfCf  
CґP°PSPSCHPsC— PePsPjP±C-PSPsPIP°PSPSc— C,PµCґP°PiC-C— PjPµC,C,,PsCґPjC-PSPsPj, P°  
C,P°PePsP¶ 2 PrPsCfP»C-PrP¶PµPSPSCfCf P·P° CfC†P°CfC,Cґ PiP°C†C-C"PSC,C-PI P·  
CfPµCґC†PµPIPs-CfCfPrPëPSPSPëPj P·P°C...PIPsCґCHPIP°PSPSCfCf (PґPґP—) C-  
C†CfPeCґPsPIPëPj PrC-P°P±PµC,PsPj 2-PiPs C,PëPiCf, CfPeC- PsC,CґPëPjCfPIP°P»Pë CfPIPsC"  
P·PIPëC†P°PNPSPµ P»C-PeCfPIP°PSPSCfCf (PjPµC,C,,PsCґPjC-PS CfPe P±P°P·PsPIP°  
C,PµCґP°PiC-CfC). P"P»CfCf CfC†P°CfC,C- Cf PrPsCfP»C-PrP¶PµPSPSCfCf..., PiC-Pr C†P°Cf  
CfPePëC... P·P°P±PµP·PiPµC†CfPIP°P»PsCfCf PiCґPsPIPµPrPµPSPSCfCf P±P°P·PsPIPsC—  
C,PµCґP°PiC-C— C-P· P·P°CfC,PsCfCfPIP°PSPSCfCfPj P°P±Ps P±PµP·  
P·P°CfC,PsCfCfPIP°PSPSCfCf PjPµC,C,,PsCґPjC-PSCf, PI PsP±вґґ C"PPrPSP°PSCf PiCґCfPiCf 8  
PiP»P°C†PµP±Ps-PePsPSC,CґPsP»CHPsPIP°PSPëC... PrPsCfP»C-PrP¶PµPSCґ CfPe  
CfC†P°CfPSPëPePë P±CfP»Pë PIPëP»CHC†PµPSC- C,C-P»CHPePë C,C- PiP°C†C-C"PSC,Pë,  
CfPeC- PsC,CґPëPjCfPIP°P»Pë P»C-PeCfPIP°PSPSCfCf PjPµC,C,,PsCґPjC-PSPsPj. Pj C...PsPrC-  
PiCґPsPIPµPrPµPSPSCfCf C†PëC... 8 PrPsCfP»C-PrP¶PµPSCґ 983 PiP°C†C-C"PSC,Pë PsPrPëPS  
CґP°P· PSP° PrPsP±Cf PsC,CґPëPjCfPIP°P»Pë P»C-PeCfPIP°PSPSCfCf  
PrP°PiP°PiP»C-C,,P»PsP·PëPSPsPj Cf PrPsP·C- 10 PjPi C,P° PjPµC,C,,PsCґPjC-PSPsPj C- 1185  
PiP°C†C-C"PSC,C-PI PsC,CґPëPjCfPIP°P»Pë PiP»P°C†PµP±Ps C- PjPµC,C,,PsCґPjC-PS. Pj C†PëC...  
8 PrPsCfP»C-PrP¶PµPSPSCfCf... CfPµCґPµPrPSCfCf C,CґPëPIP°P»C-CfC,CH  
PµPeCfPiPsP·PëC†C-C— CfC,P°PSPsPIPëP»P° 23 C,PëP¶PSC-. PґPµCґPµPrPSC-PN PIC-Pe  
PiPsPiCfP»CfC†C-C— CfC,P°PSPsPIPëPI 57 CґPsPeC-PI, 2 % PsCfC-P± P±CfP»Pë PIC-PePsPj  
PiPsPSP°Pr 75 CґPsPeC-PI. 54 % PiPsPiCfP»CfC†C-C— CfC,P°PSPsPIPëP»Pë C†PsP»PsPIC-PePë;



88 %  $PsC\dot{I}C-P \pm P \pm C\dot{r}P \gg P\ddot{e} C''PIC\dot{H}PsP\ddot{i}P\mu PsC-PrPSPsC- C\dot{H}P^{\circ}C\dot{I}P\ddot{e}$ , 6 %  $\mathcal{B}\dot{H}''$   
 $P^{\circ}P \cdot C-P^{\circ}C, C\dot{I}CH\dot{H}PePsP\ddot{i}Ps P\ddot{i}PsC...PsPrP\P\mu PSPSC\dot{I} C- 3 \% \mathcal{B}\dot{H}'' PSp\mu PiC\dot{H}PsC-PrPSPsC-$   
 $C\dot{H}P^{\circ}C\dot{I}P\ddot{e} P^{\circ}P \pm Ps P^{\circ}C,,C\dot{H}PsP^{\circ}PjP\mu C\dot{H}P\ddot{e}PeP^{\circ}PSC\dot{I}C-.$   $P\acute{K}P^{\circ} PIP\ddot{e}C...C-PrPSPsPjC\dot{r} C\dot{H}C-PIPSC-$   
 $C\dot{r}C\dot{I}P^{\circ}C\dot{I}PSP\ddot{e}PeP\ddot{e} PrPsC\dot{I}P^{\circ}C-PrP\P\mu PSPSC\dot{I} PjP^{\circ}P \gg P\ddot{e} C\dot{I}C\dot{r}PeC\dot{H}PsPIP\ddot{e}P\mathcal{N}_e PrC-P^{\circ}P \pm P\mu C, C-P.$   
 $C\dot{I}P\mu C\dot{H}P\mu PrPSC\dot{H}PsC\dot{H} C,C\dot{H}P\ddot{e}PIP^{\circ}P \gg C-C\dot{I}C,C\dot{H} 8 C\dot{H}PsPeC-PI; C\dot{I}P\mu C\dot{H}P\mu PrPSC-P\mathcal{N}_e$   
 $C\dot{H}C-PIP\mu PSC\dot{H} PiP\mu PjPsPiP \gg PsP \pm C-PSC\dot{r} A1c (HbA1c) C\dot{I}C,P^{\circ}PSPsPIP\ddot{e}PI 8,4 \% ; C\dot{r} 90 \%$   
 $P\ddot{i}P^{\circ}C\dot{I}C-C''PSC,C-PI C,,C\dot{r}PSPeC\dot{I}C-C\dot{I} PSP\ddot{e}C\dot{H}PsPe P \pm C\dot{r}P \gg P^{\circ} PSPsC\dot{H}PjP^{\circ}P \gg CH\dot{H}PSPsC\dot{H} P^{\circ}P \pm Ps$   
 $C-P \cdot PSP\mu P \cdot PSP^{\circ}C\dot{I}PSP\ddot{e}PjP\ddot{e} P \cdot PjC-PSP^{\circ}PjP\ddot{e}, C\dot{r} 10 \% P\ddot{i}P^{\circ}C\dot{I}C-C''PSC,C-PI$   
 $PIC-PrP \cdot PSP^{\circ}C\dot{I}P^{\circ}P \gg PsC\dot{I}C\dot{I} P\ddot{i}PsPjC-C\dot{H}PSP\mu P\ddot{i}PsC\dot{H}C\dot{r}C\epsilon P\mu PSPSC\dot{I} C,,C\dot{r}PSPeC\dot{I}C-C-$   
 $PSP\ddot{e}C\dot{H}PsPe.$

$P-P^{\circ}PiP^{\circ}P \gg CH\dot{H}PSP^{\circ} C\dot{I}P^{\circ}C\dot{I}C,PsC,P^{\circ} P\ddot{i}PsP \pm C-C\dot{I}PSP\ddot{e}C... C\dot{H}P\mu P^{\circ}PeC\dot{I}C-P\mathcal{N}_e PI$   
 $PsP \pm \mathcal{B}\dot{H}^{\mathcal{T}M} C''PrPSP^{\circ}PSC-P\mathcal{N}_e PiC\dot{H}C\dot{r}PiC- P\ddot{i}P^{\circ}C\dot{I}C-C''PSC,C-PI (C\dot{r} 8$   
 $PePsC\dot{H}PsC,PePsC\dot{I}C,C\dot{H}PsPePsPIP\ddot{e}C..., P\ddot{i}P \gg P^{\circ}C\dot{I}P\mu P \pm Ps-PePsPSC,C\dot{H}PsP \gg CH\dot{H}PsPIP^{\circ}PSP\ddot{e}C...$   
 $PrPsC\dot{I}P^{\circ}C-PrP\P\mu PSPSC\dot{I}C...), C\dot{I}PeC- PsC,C\dot{H}P\ddot{e}PjC\dot{r}PIP^{\circ}P \gg P\ddot{e} P \gg C-PeC\dot{r}PIP^{\circ}PSPSC\dot{I}$   
 $PrP^{\circ}P\ddot{i}P^{\circ}PiP \gg C-C,,P \gg PsP \cdot P\ddot{e}PSPsPj C\dot{r} PrPsP \cdot C- 10 PjPi C,P^{\circ} PjP\mu C,C,,PsC\dot{H}PjC-PSPsPj,$   
 $C\dot{I}C,P^{\circ}PSPsPIP\ddot{e}P \gg P^{\circ} 60,3 \% P\ddot{i}PsC\dot{H}C-PIPSC\dot{I}PSPs P \cdot 58,2 \% C\dot{r} PiC\dot{H}C\dot{r}PiC-$   
 $P \cdot P^{\circ}C\dot{I}C,PsC\dot{I}C\dot{r}PIP^{\circ}PSPSC\dot{I} P\ddot{i}P \gg P^{\circ}C\dot{I}P\mu P \pm Ps C- PjP\mu C,C,,PsC\dot{H}PjC-PSC\dot{r}. P\mathcal{S}P^{\circ}C\dot{I}C,PsC,P^{\circ}$   
 $PIP\ddot{e}P\ddot{i}P^{\circ}PrPeC-PI P\ddot{i}C\dot{H}P\ddot{e}P\ddot{i}P\ddot{e}PSP\mu PSPSC\dot{I} C,P\mu C\dot{H}P^{\circ}PiC-C- C\dot{I}P\mu C\dot{H}P\mu P \cdot C\dot{H}PsP \cdot PIP\ddot{e}C,PsPe$   
 $P\ddot{i}PsP \pm C-C\dot{I}PSP\ddot{e}C... C\dot{H}P\mu P^{\circ}PeC\dot{I}C-P\mathcal{N}_e C\dot{r} P\ddot{i}P^{\circ}C\dot{I}C-C''PSC,C-PI, C\dot{I}PeC- PsC,C\dot{H}P\ddot{e}PjC\dot{r}PIP^{\circ}P \gg P\ddot{e}$   
 $P \gg C-PeC\dot{r}PIP^{\circ}PSPSC\dot{I} PrP^{\circ}P\ddot{i}P^{\circ}PiP \gg C-C,,P \gg PsP \cdot P\ddot{e}PSPsPj C\dot{r} PrPsP \cdot C- 10 PjPi C,P^{\circ}$   
 $PjP\mu C,C,,PsC\dot{H}PjC-PSPsPj, C\dot{I}C,P^{\circ}PSPsPIP\ddot{e}P \gg P^{\circ} 4 \% P\ddot{i}PsC\dot{H}C-PIPSC\dot{I}PSPs P \cdot 3,3 \% C\dot{r} PiC\dot{H}C\dot{r}PiC-$   
 $P \cdot P^{\circ}C\dot{I}C,PsC\dot{I}C\dot{r}PIP^{\circ}PSPSC\dot{I} P\ddot{i}P \gg P^{\circ}C\dot{I}P\mu P \pm Ps C- PjP\mu C,C,,PsC\dot{H}PjC-PSC\dot{r}. P\acute{K}P^{\circ}P\mathcal{N}_eP \pm C-P \gg CH\dot{H}C\epsilon$   
 $C\dot{I}P^{\circ}C\dot{I}C,P\ddot{e}PjP\ddot{e} C\dot{H}P\mu P^{\circ}PeC\dot{I}C-C\dot{I}PjP\ddot{e}, C\%Ps P\ddot{i}C\dot{H}P\ddot{e}P \cdot PIP\mu P \gg P\ddot{e} PrPs PiC\dot{H}P\ddot{e}P\ddot{i}P\ddot{e}PSP\mu PSPSC\dot{I}$   
 $P \gg C-PeC\dot{r}PIP^{\circ}PSPSC\dot{I} C- P \pm C\dot{r}P \gg P\ddot{e} P \cdot P^{\circ}C\dot{H}P\mu C''C\dot{I}C,C\dot{H}PsPIP^{\circ}PSC- P\ddot{i}C\dot{H}P\ddot{e}PSP^{\circ}P\mathcal{N}_ePjPSC- C\dot{r}$   
 $3 P\ddot{i}P^{\circ}C\dot{I}C-C''PSC,C-PI, C\dot{I}PeC- PsC,C\dot{H}P\ddot{e}PjC\dot{r}PIP^{\circ}P \gg P\ddot{e} P \gg C-PeC\dot{r}PIP^{\circ}PSPSC\dot{I}$   
 $PrP^{\circ}P\ddot{i}P^{\circ}PiP \gg C-C,,P \gg PsP \cdot P\ddot{e}PSPsPj C\dot{r} PrPsP \cdot C- 10 PjPi C,P^{\circ} PjP\mu C,C,,PsC\dot{H}PjC-PSPsPj, P \pm C\dot{r}P \gg P\ddot{e}$   
 $P\ddot{i}PsC\dot{H}C\dot{r}C\epsilon P\mu PSPSC\dot{I} PSP\ddot{e}C\dot{H}PePsPIP\mathcal{S}C- C,,C\dot{r}PSPeC\dot{I}C-C- (0,7 \%), P\ddot{i}C-PrPIP\ddot{e}C\%P\mu PSPSC\dot{I}$   
 $C\dot{H}C-PIPSC-PI PeC\dot{H}P\mu P^{\circ}C,P\ddot{e}PSC-PSC\dot{r} PI PeC\dot{H}PsPIC- (0,2 \%), P \cdot PSP\ddot{e}P\P\mu PSPSC\dot{I}$   
 $PSP\ddot{e}C\dot{H}PePsPIP\mathcal{S}PiPs PeP \gg C-C\dot{H}P\mu PSC\dot{I}C\dot{r} PeC\dot{H}P\mu P^{\circ}C,P\ddot{e}PSC-PSC\dot{r} (0,2 \%) C,P^{\circ}$   
 $C-PSC,,P\mu PeC\dot{I}C-C- C\dot{I}P\mu C\dot{I}PsPIP\ddot{e}PIC-PrPSP\ddot{e}C... C\epsilon P \gg C\dot{I}C...C-PI (0,2 \%).$

$Pj C,P^{\circ}P \pm P \gg P\ddot{e}C\dot{I}C- 6 PSP^{\circ}PIPsPrC\dot{I}C,C\dot{H}C\dot{I}C\dot{I} PSP^{\circ}P\mathcal{N}_eP \pm C-P \gg CH\dot{H}C\epsilon C\dot{I}P^{\circ}C\dot{I}C,C-$   
 $P\ddot{i}PsP \pm C-C\dot{I}PSC- C\dot{H}P\mu P^{\circ}PeC\dot{I}C-C-, P\ddot{i}PsPi\mathcal{B}\dot{H}^{\mathcal{T}M} C\dot{I}P \cdot P^{\circ}PSC- C-P \cdot P \cdot P^{\circ}C\dot{I}C,PsC\dot{I}C\dot{r}PIP^{\circ}PSPSC\dot{I}Pj$   
 $PrP^{\circ}P\ddot{i}P^{\circ}PiP \gg C-C,,P \gg PsP \cdot P\ddot{e}PSC\dot{r} C,P^{\circ} PjP\mu C,C,,PsC\dot{H}PjC-PSC\dot{r}. P\dot{I}C- P\ddot{i}PsP \pm C-C\dot{I}PSC-$   
 $C\dot{H}P\mu P^{\circ}PeC\dot{I}C-C- P \pm C\dot{r}P \gg P\ddot{e} PIC-PrC\dot{I}C\dot{r}C,PSC- PSP^{\circ} PIP\ddot{e}C...C-PrPSPsPjC\dot{r} C\dot{H}C-PIPSC-,$   
 $C\dot{H}P\mu C''C\dot{I}C,C\dot{H}C\dot{r}PIP^{\circ}P \gg P\ddot{e}C\dot{I}C\dot{I} C\dot{I}P^{\circ}C\dot{I}C,C-C\epsilon P\mu C\dot{r} PiC\dot{H}C\dot{r}PiC- P \gg C-PeC\dot{r}PIP^{\circ}PSPSC\dot{I}$   
 $PrP^{\circ}P\ddot{i}P^{\circ}PiP \gg C-C,,P \gg PsP \cdot P\ddot{e}PSPsPj C,P^{\circ} PjP\mu C,C,,PsC\dot{H}PjC-PSPsPj, PSC-P\P C\dot{r} PiC\dot{H}C\dot{r}PiC-$   
 $P \cdot P^{\circ}C\dot{I}C,PsC\dot{I}C\dot{r}PIP^{\circ}PSPSC\dot{I} P\ddot{i}P \gg P^{\circ}C\dot{I}P\mu P \pm Ps, C- C\dot{I}PiPsC\dot{I}C,P\mu C\dot{H}C-PiP^{\circ}P \gg P\ddot{e}C\dot{I}C\dot{I}$   
 $P\ddot{i}C\dot{H}P\ddot{e}PSP^{\circ}P\mathcal{N}_ePjPSC- C\dot{r} 2 \% P\ddot{i}P^{\circ}C\dot{I}C-C''PSC,C-PI, C\dot{I}PeC- PsC,C\dot{H}P\ddot{e}PjC\dot{r}PIP^{\circ}P \gg P\ddot{e}$   
 $P \gg C-PeC\dot{r}PIP^{\circ}PSPSC\dot{I} P^{\circ}P \pm Ps PrP^{\circ}P\ddot{i}P^{\circ}PiP \gg C-C,,P \gg PsP \cdot P\ddot{e}PSPsPj C\dot{r} PrPsP \cdot C- 5 PjPi, P^{\circ}P \pm Ps$   
 $PrP^{\circ}P\ddot{i}P^{\circ}PiP \gg C-C,,P \gg PsP \cdot P\ddot{e}PSPsPj C\dot{r} PrPsP \cdot C- 10 PjPi.$

$PjP^{\circ}P \pm P \gg P\ddot{e}C\dot{I}C\dot{I} 6$

$P\mu PsP \pm C-C\dot{I}PSC- C\dot{H}P\mu P^{\circ}PeC\dot{I}C-C-, P \cdot P^{\circ}C\dot{H}P\mu C''C\dot{I}C,C\dot{H}PsPIP^{\circ}PSC- C\acute{e} P\ddot{i}P \gg P^{\circ}C\dot{I}P\mu P \pm Ps-$   
 $PePsPSC,C\dot{H}PsP \gg CH\dot{H}PsPIP^{\circ}PSP\ddot{e}C... PrPsC\dot{I}P^{\circ}C-PrP\P\mu PSPSC\dot{I}C... C\acute{e} \geq 2 \% P\ddot{i}P^{\circ}C\dot{I}C-C''PSC,C-PI,$   
 $C\dot{I}PeC- PsC,C\dot{H}P\ddot{e}PjC\dot{r}PIP^{\circ}P \gg P\ddot{e} P \gg C-PeC\dot{r}PIP^{\circ}PSPSC\dot{I} PrP^{\circ}P\ddot{i}P^{\circ}PiP \gg C-C,,P \gg PsP \cdot P\ddot{e}PSPsPj C-$   
 $PjP\mu C,C,,PsC\dot{H}PjC-PSPsPj$

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                | % $PiP^{\circ}C\uparrow C-C''PSC, C-PI$<br>$P_hPSP^{\circ}P \gg C-P. PrP^{\circ}PSP\ddot{e}C... 8 PsP \pm 6\overline{h}^{\text{TM}} C''PrPSP^{\circ}PSP\ddot{e}C... PiP \gg P^{\circ}C\uparrow P_{\mu}P \pm Ps-$<br>$PePsPSC, C\overline{h}PsP \gg ChPsPIP^{\circ}PSP\ddot{e}C... PrPsC\overline{I}P \gg C-PrP\overline{I}P_{\mu}PSC\overline{h}$<br>$P_{\mu}P \gg P^{\circ}C\uparrow P_{\mu}P \pm Ps C- P''P^{\circ}PiP^{\circ}PiP \gg C-C,,P \gg PsP \cdot P\ddot{e}PSP''P^{\circ}PiP^{\circ}PiP \gg C-C,,P \gg PsP \cdot P\ddot{e}PS$<br>$PjP_{\mu}C, C,,PsC\overline{h}PjC-PSC\acute{e} PrPsP \cdot C- 5 PjPi C- C\acute{e} PrPsP \cdot C- 10 PjPi C-$<br>$N=1185 PjP_{\mu}C, C,,PsC\overline{h}PjC-PS N=410 PjP_{\mu}C, C,,PsC\overline{h}PjC-PS N=983$ |                                                                                                                                              |
| $P_{\mu}PsP \pm C-C\uparrow PSP^{\circ}$<br>$C\overline{h}P_{\mu}P^{\circ}PeC\uparrow C-C\overline{I}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                              |
| $P''C\overline{h}P\ddot{e}P \pm PePsPIC-$<br>$C-PSC,,P_{\mu}PeC\uparrow C-C-$<br>$C\overline{I}C, P^{\circ}C, P_{\mu}PIP\ddot{e}C...$<br>$PsC\overline{h}PiP^{\circ}PSC-PI C\acute{r} P\overline{I}C-PSPsPe^{*}$<br>$P\acute{K}P^{\circ}P \cdot PsC,,P^{\circ}C\overline{h}P\ddot{e}PSPiC-C,$<br>$P\uparrow PSC,,P_{\mu}PeC\uparrow C-C-$<br>$C\overline{I}P_{\mu}C\uparrow PsPIP\ddot{e}PIC-PrPSP\ddot{e}C...$<br>$C\epsilon P \gg C\overline{I}C...C-PI^{\overline{B}\overline{h}}$<br>$P''C-P^{\circ}C\overline{h}P_{\mu}C\overline{I}$<br>$P''PsP \gg PsPIPSP\ddot{e}PN_{\acute{e}} P \pm C-P \gg Ch\overline{h}$<br>$P''C\overline{h}P\ddot{e}P \pm PePsPIC-$<br>$C-PSC,,P_{\mu}PeC\uparrow C-C-$<br>$C\overline{I}C, P^{\circ}C, P_{\mu}PIP\ddot{e}C...$<br>$PsC\overline{h}PiP^{\circ}PSC-PI C\acute{r}$<br>$C\uparrow PsP \gg PsPIC-PeC-PI^{\overline{B}\overline{h}\overline{y}}$<br>$P''C\overline{h}P\ddot{e}Pi$<br>$P\acute{K}C\acute{r}PrPsC, P^{\circ}$<br>$P^{\circ}C-P \gg Ch\overline{h} C\acute{r} C\overline{I}PiP\ddot{e}PSC-$<br>$P-P^{\circ}PiP^{\circ}PjPsC\overline{h}PsC\uparrow P_{\mu}PSPSCI$<br>$P_{\overline{L}}P^{\circ}C\epsilon P_{\mu}P \gg Ch\overline{h}$<br>$P-P^{\circ}PeC\overline{h}P_{\mu}Pi$<br>$P''P\ddot{e}C\overline{I}P \gg C-PiC-PrP_{\mu}PjC-C\overline{I}$<br>$P\alpha P^{\circ}C\overline{h}P\ddot{e}PSPiC-C,$<br>$P-P \pm C-P \gg ChC\epsilon P_{\mu}PSPSCI$<br>$C\uparrow P^{\circ}C\overline{I}C, PsC, P\ddot{e}$<br>$C\overline{I}P_{\mu}C\uparrow PsPIP\ddot{e}PiC\acute{r}C\overline{I}PeP^{\circ}PSPSCI^{\overline{B}\overline{s}}$<br>$P''P\ddot{e}C\overline{I}PePsPjC,,PsC\overline{h}C, PiC\overline{h}P\ddot{e}$<br>$C\overline{I}P_{\mu}C\uparrow PsPIP\ddot{e}PiC\acute{r}C\overline{I}PeP^{\circ}PSPSC-$ | 1,5<br><br><br><br>5,9<br>3,6<br><br><br>5,6<br>2,8<br>0<br><br><br><br>2,4<br>2,0<br>3,2<br>2,2<br>1,9<br>1,6<br>1,4<br>1,1<br>1,4<br><br>1,1 | 9,4<br><br><br>6,3<br>6,1<br><br><br>5,9<br>5,4<br>4,3<br><br><br><br>4,1<br>3,9<br>3,4<br>3,2<br>3,2<br>2,9<br>2,7<br>2,7<br>2,4<br><br>2,2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 9,3<br><br><br>5,2<br>5,5<br><br><br>4,2<br>3,3<br>3,6<br><br><br><br>2,6<br>2,6<br>2,5<br>1,8<br>1,4<br>1,9<br>1,5<br>1,5<br>2,6<br><br>1,6 |

\*  $P''C\overline{h}P\ddot{e}P \pm PePsPIC- C-PSC,,P_{\mu}PeC\uparrow C-C- C\overline{I}C, P^{\circ}C, P_{\mu}PIP\ddot{e}C... PsC\overline{h}PiP^{\circ}PSC-PI$   
 $PsC...PsPiP \gg ChChC, ChC, P^{\circ}PeC- PiPsP \pm C-C\uparrow PSC- C\overline{h}P_{\mu}P^{\circ}PeC\uparrow C-C-$   
 $PiP_{\mu}C\overline{h}P_{\mu}C\overline{h}P^{\circ}C...PsPIP^{\circ}PSC- PI PiPsC\overline{h}C\overline{I}PrPeC\acute{r} P \cdot PjP_{\mu}PSC\epsilon P_{\mu}PSPSCI C\uparrow P^{\circ}C\overline{I}C, PsC, P\ddot{e},$   
 $C\overline{I}PeC- C\overline{I}PiPsC\overline{I}C, P_{\mu}C\overline{h}C-PiP^{\circ}P \gg P\ddot{e}C\overline{I}C\overline{I} C\acute{r} P\overline{I}C-PSPsPe:$   
 $PiC\acute{r}P \gg ChPiPsPIP^{\circ}PiC-PSP^{\circ}P \gg ChPSP^{\circ} PiC\overline{h}P\ddot{e}P \pm PePsPIP^{\circ} C-PSC,,P_{\mu}PeC\uparrow C-C\overline{I},$   
 $PIP^{\circ}PiC-PSP^{\circ}P \gg ChPSP^{\circ} C-PSC,,P_{\mu}PeC\uparrow C-C\overline{I}, C-PSC,,P_{\mu}PeC\uparrow C-C\overline{I} C\overline{I}C, P^{\circ}C, P_{\mu}PIP\ddot{e}C...$   
 $PsC\overline{h}PiP^{\circ}PSC-PI, PiC\acute{r}P \gg ChPiPsPIP^{\circ}PiC-PSC-C,, PiC\overline{h}P\ddot{e}P \pm PePsPIP^{\circ} C-PSC,,P_{\mu}PeC\uparrow C-C\overline{I}$   
 $C\overline{I}C, P^{\circ}C, P_{\mu}PIP\ddot{e}C... PsC\overline{h}PiP^{\circ}PSC-PI, PiC\acute{r}P \gg ChPiPsPIP^{\circ}PiC-PSP^{\circ}P \gg ChPSP\ddot{e}PN_{\acute{e}}$   
 $PeP^{\circ}PSPPr\ddot{e}PrPsP, P^{\circ}P \pm C\overline{I}C\uparrow P_{\mu}C\overline{I} PiC\acute{r}P \gg ChPiP\ddot{e}, PiP_{\mu}PSC-C, P^{\circ}P \gg ChPSP\ddot{e}PN_{\acute{e}}$   
 $PeP^{\circ}PSPPr\ddot{e}PrPsP \cdot C, P^{\circ} P \pm P^{\circ}PeC, P_{\mu}C\overline{h}C-P^{\circ}P \gg ChPSP\ddot{e}PN_{\acute{e}} PIP^{\circ}PiC-PSC-C,,$   
 $(P_{\overline{L}}C-P \gg ChPeC-C\overline{I}C, ChC (N) P\overline{I}C-PSPsPe: PiP \gg P^{\circ}C\uparrow P_{\mu}P \pm Ps C- PjP_{\mu}C, C,,PsC\overline{h}PjC-PS = 534,$   
 $PrP^{\circ}PiP^{\circ}PiP \gg C-C,,P \gg PsP \cdot P\ddot{e}PS C\acute{r} PrPsP \cdot C- 5 PjPi C- PjP_{\mu}C, C,,PsC\overline{h}PjC-PS 223,$   
 $PrP^{\circ}PiP^{\circ}PiP \gg C-C,,P \gg PsP \cdot P\ddot{e}PS C\acute{r} PrPsP \cdot C- 10 PjPi C- PjP_{\mu}C, C,,PsC\overline{h}PjC-PS = 430).$

$\overline{B}\overline{h}$   $P\uparrow PSC,,P_{\mu}PeC\uparrow C-C- C\overline{I}P_{\mu}C\uparrow PsPIP\ddot{e}PIC-PrPSP\ddot{e}C... C\epsilon P \gg C\overline{I}C...C-PI PsC...PsPiP \gg ChChC, ChC$   
 $C, P^{\circ}PeC- PiPsP \pm C-C\uparrow PSC- C\overline{h}P_{\mu}P^{\circ}PeC\uparrow C-C-, PiP_{\mu}C\overline{h}P_{\mu}C\overline{h}P^{\circ}C...PsPIP^{\circ}PSC- PI PiPsC\overline{h}C\overline{I}PrPeC\acute{r}$   
 $P \cdot PjP_{\mu}PSC\epsilon P_{\mu}PSPSCI C\uparrow P^{\circ}C\overline{I}C, PsC, P\ddot{e}: C-PSC,,P_{\mu}PeC\uparrow C-C\overline{I} C\overline{I}P_{\mu}C\uparrow PsPIP\ddot{e}PIC-PrPSP\ddot{e}C...$   
 $C\epsilon P \gg C\overline{I}C...C-PI, C\uparrow P\ddot{e}C\overline{I}C, P\ddot{e}C,, PiC-C''P \gg PsPSP_{\mu}C,,C\overline{h}P\ddot{e}C,, C\acute{r}C\overline{h}P_{\mu}C, C\overline{h}P\ddot{e}C, C-$   
 $PiC\overline{h}PsC\overline{I}C, P^{\circ}C, P\ddot{e}C,,$

$\overline{B}\overline{h}\overline{y}$   $P''C\overline{h}P\ddot{e}P \pm PePsPIC- C-PSC,,P_{\mu}PeC\uparrow C-C- C\overline{I}C, P^{\circ}C, P_{\mu}PIP\ddot{e}C... PsC\overline{h}PiP^{\circ}PSC-PI$   
 $PsC...PsPiP \gg ChChC, ChC, P^{\circ}PeC- PiPsP \pm C-C\uparrow PSC- C\overline{h}P_{\mu}P^{\circ}PeC\uparrow C-C-,$   
 $PiP_{\mu}C\overline{h}P_{\mu}C\overline{h}P^{\circ}C...PsPIP^{\circ}PSC- PI PiPsC\overline{h}C\overline{I}PrPeC\acute{r} P \cdot PjP_{\mu}PSC\epsilon P_{\mu}PSPSCI C\uparrow P^{\circ}C\overline{I}C, PsC, P\ddot{e},$

СІІРсС- СІРІРсСІС, РμСґС-РІР°Р»РөСІСґС СІ С±РсР»РсРІС-РсС-РІ: Р±Р°Р»Р°РсС-С,,  
РіСґРөР±РсРсРІР° С-РсС,, РμРсСІС-СІ СІС, Р°С, РμРІРөС... РсСґРІР°РсС-РІ,  
РсР°РсРґРөРґРсР·РсРөР№ Р±Р°Р»Р°РсС-С,, РІРμРсС-С, Р°Р»СґРсРөР№ РсР°РсРґРөРґРсР·,  
С-РсС,, РμРсСІС-СІ СІС, Р°С, РμРІРөС... РсСґРІР°РсС-РІ, Р°Р°РІР°Р»РμРсРсСІ  
РсСґР°Р№РсСґРсС— РІР»РсС, С- С, Р° Р±Р°Р»Р°РсСРсРсСІС, РөС, (РґС-Р»СґРсС-СІС, Сґ (N)  
С±РсР»РсРІС-РсС-РІ: РІР»Р°РІРμР±Рс С- РјРμС, С,, РсСґРјС-Рс = 651,  
РґР°РІР°РІР»Р»С-С,, Р»РсР·РөРс СІ РґРсР·С- 5 РјРі С- РјРμС, С,, РсСґРјС-Рс = 187,  
РґР°РІР°РІР»Р»С-С,, Р»РсР·РөРс СІ РґРсР·С- 10 РјРі С- РјРμС, С,, РсСґРјС-Рс = 553).

<sup>В8</sup> Р—Р±С-Р»СґСРμРсРсСІ С±Р°СІС, РсС, Рө СІРμС±РсРІРөРІСІСІРсР°РсРсСІ  
РсС...РсРІР»СґС" С, Р°РсС- РІРсР±С-С±РсС- СґРμР°РсСІС-С—, РІРμСґРμСґР°С...РсРІР°РсС- РІ  
РІРсСґСІРґРсСІ Р·РјРμРсСРμРсРсСІ С±Р°СІС, РсС, Рө: РІРсР»Р°РсС-СІСґС-СІ,  
РІРсР»С-СІСґС-СІ С- РІС-РґРІРөС%РμРсРөР№ РґС-СІСґРμР·.

*РґРμС, С,, РсСґРјС-РсСІ РІС-РґСґРсС...Р»РсСґРөРґ*

Рј РІР»Р°РІРμР±Рс-РсРсРсС, СґРсР»СґРсРІР°РсС... РґРсСІР»С-РґРґРμРсРсСІС...  
РјРсРсРсС, РμСґР°РІС— РјРμС, С,, РсСґРјС-РсРсРј РІСґРсР»РсРІРсРІР°РсРсС— РґС-С—  
РІРөРІР°РґРсРө РґС-Р°СґРμС— С- РсСІРґРсС, Рө/Р±Р»СґРІР°РсРсСІ Р±СІР»Рө  
Р°Р°СґРμС"СІС, СґРсРІР°РсС- РІ > 5 % РІР°СІС-С"РсС, С-РІ, СІРсС- РсС, СґРөРјСІРІР°Р»Рө  
Р»С-РсСІРІР°РсРсСІ РјРμС, С,, РсСґРјС-РсРсРј, С- С±Р°СІС, С-СРμ, РсС-Рґ СІ  
РІР°СІС-С"РсС, С-РІ Р· РІСґСІРІө Р°Р°СІС, РсСІСІРІР°РсРсСІ РІР»Р°РІРμР±Рс  
(РґС-Р°СґРμСІ: 9,6 % РІРсСґС-РІРсСІРсРс Р· 2,6 %; РсСІРґРсС, Р°/Р±Р»СґРІР°РсРсСІ: 6,5 %  
РІРсСґС-РІРсСІРсРс Р· 1,5 %). РμРсСІРІР° РґС-Р°СґРμС— РІСґРөР·РІРμР»Р° РґРс  
РІСґРөРІөРсРμРсРсСІ Р°Р°СІС, РсСІСІРІР°РсРсСІ РґРсСІР»С-РґРґРІСІРІР°РсРсРс  
Р»С-РсР°СґСІСґРсРсРс Р°Р°СІРсР±СІ РІ 0,6 % РІР°СІС-С"РсС, С-РІ, СІРсС-  
РсС, СґРөРјСІРІР°Р»Рө Р»С-РсСІРІР°РсРсСІ РјРμС, С,, РсСґРјС-РсРсРј  
РІСґРсР»РсРІРсРІР°РсРсС— РґС-С—.

*Р°Р°РІР°РІР»Р»С-С,, Р»РсР·РөРс*

Р°Р°РІР°РІР»Р»С-С,, Р»РсР·РөРс СІ РґРсР·С- 10 РјРі РсСІС-РсСґРІР»Р»Р» РІ РсР»С-РсС-С±РсРөС...  
РґРсСІР»С-РґРґРμРсРсСІС... Р°Р° СІС±Р°СІС, С- РІР°СІС-С"РсС, С-РІ Р· СІСІРсСґРсРІРөРј  
РґС-Р°Р±РμС, РсРј 2-РІРс С, РөРІСІСІ, РІР°СІС-С"РсС, С-РІ С-Р· СІРμСґСІРμРІРсСґ  
РсРґРґРсСІС, Р°С, РсС-СІС, Сґ С, Р° РІР°СІС-С"РсС, С-РІ Р· С...СґРсРсС-С±РсРөРјРө  
Р°Р°С...РІРсСґСґРІР°РсРсСІРө РсРөСґРсРс. Р—Р°РІР°Р»Р»СґРсРөР№ РІСґРсС,, С-Р»Сґ  
Р±РμР·РІРμРсРө РґР°РІР°РІР»Р»С-С,, Р»РсР·РөРс Р±СІРІ РІРсСІР»С-РґРсРІРсРөРј РІСґРө  
Р°Р°СІС, РсСІСІРІР°РсРсСІ Р°Р°СІС- Р°Р° РІСІС-РјР° РґРсСІР»С-РґРґРІСІРІР°РсРсРөРј  
РІРсРсРсР°Р°Р°РсРсСІРө. Рј РґРсСІР»С-РґРґРμРсРсСІС... DAPA-HF С, Р° DAPA-CKD РсРμ  
Р±СІР»Р» РІРөСІРІР»РμРсРс РґРсРґРсРөС... РсРсРІРөС... РІРсР±С-С±РсРөС...  
СґРμР°РсСІС-Р№.

***РґРсР°Р»Р»С-Р· РсР±±вґ™С"РґРсР°РсРөС... РґР°РсРөС... 12***  
***РІР»Р°РІРμР±Рс-РсРсРсС, СґРсР»РсРІР°РсРсРөС...***  
***РґРсСІР»С-РґРґРμРсСґ Р»С-РсСІРІР°РсРсСІ***  
***РґР°РІР°РІР»Р»С-С,, Р»РсР·РөРсРсРсРј СІ РґРсР·Р°С... 5 С-***  
***10 РјРі РґР»Р»СІ РІР»С-РсРμРјС-С±РсРсРІРс***

## ***PePsPSC,ChPsP»CH***

*P°P°PiP°PiP»C-C,,P»PsP·PëPS*

P°P°PSC-, PiChPµPrCfC,P°PIP»PµPSC- PI C,P°P±P»PëC†C- 7, PsC,ChPëPjP°PSPs Cr C...PsPrC-  
PiChPsPIPµPrPµPSPSCl 12 PiP»P°C†PµP±Ps-PePsPSC,ChPsP»CHPsPIP°PSPëC...  
PrPsCfP»C-PrP¶PµPSCH PrP»C¶ PiP»C-PePµPjC-C†PSPsPiPs PePsPSC,ChPsP»CH  
C,ChPëPIP°P»C-CfC,CH PIC-Pr 12 PrPs 24 C,PëP¶PSC-PI. PJ 4 PrPsCfP»C-PrP¶PµPSPSClC...  
PrP°PiP°PiP»C-C,,P»PsP·PëPS P·P°CfC,PsCfPsPICfPIP°PICfC¶ C¶Pe PjPsPSPsC,PµChP°PiC-C¶,  
Cr 8 PrPsCfP»C-PrP¶PµPSPSClC... PrP°PiP°PiP»C-C,,P»PsP·PëPS  
P·P°CfC,PsCfPsPICfPIP°PICfC¶ C¶Pe PrPsPiPsPIPSPµPSPSCl PrPs PsCfPSPsPIPSPsC—  
C,PµChP°PiC-C— PiChPsC,PëPrC-P°P±PµC,PëC†PSPëPjPë P»C-PeP°ChCfCHPePëPjPë  
P·P°CfPsP±P°PjPë P°P±Ps Cr CfPeP»P°PrC- PePsPjP±C-PSPsPIP°PSPsC— C,PµChP°PiC-C— P·  
PjPµC,C,,PsChPjC-PSPsPj.

PjC- PrP°PSC- PIC-PrPsP±ChP°P¶P°CHC,CH PrC-CH PrP°PiP°PiP»C-C,,P»PsP·PëPSCr Cr 2338  
PiP°C†C-C°PSC,C-PI C-P· CfPµChPµPrPSCHPSCH C,ChPëPIP°P»C-CfC,CH  
PµPeCfPiPsP·PëC†C-C— 21 C,PëP¶PrPµPSCH. PµP°C†C-C°PSC,Pë PsC,ChPëPjCrPIP°P»Pë  
PiP»P°C†PµP±Ps (N=1393), PrP°PiP°PiP»C-C,,P»PsP·PëPS Cr PrPsP·C- 5 PjPi (N=1145) P°P±Ps  
PrP°PiP°PiP»C-C,,P»PsP·PëPS Cr PrPsP·C- 10 PjPi (N=1193) PsPrPëPS ChP°P· PSP° PrPsP±Cr.  
P¶PµChPµPrPSC-PNë PIC-Pe PiPsPiCrP»C¶C†C-C— CfC,P°PSPsPIPëPI 55 ChPsPeC-PI C- 2 %  
PsCfC-P± P±CrP»Pë PIC-PePsPj PIC-Pr 75 ChPsPeC-PI. 50 % PiPsPiCrP»C¶C†C-C—  
CfC,P°PSPsPIPëP»Pë C†PsP»PsPIC-PePë; 81 % PsCfC-P± P±CrP»Pë  
C°PICChPsPiPµPsC—PrPSPsC— ChP°CfPë, 14 % бґ“ P°P·C-P°C,CfCHPePsPiPs  
PiPsC...PsPrP¶PµPSPSCl C- 3 % бґ“ PSPµPiChPsC—PrPSPsC— ChP°CfPë P°P±Ps  
P°C,,ChPsP°PjPµChPëPeP°PSC†C-. PкP° PIPëC...C-PrPSPsPjCr ChC-PIPSC- CrC†P°CfPSPëPePë  
PrPsCfP»C-PrP¶PµPSPSCl PjP°P»Pë C†CrPeChPsPIPëPNë PrC-P°P±PµC, C-P·  
CfPµChPµPrPSCHPSCH C,ChPëPIP°P»C-CfC,CH 6 ChPsPeC-PI; CfPµChPµPrPSC-PNë  
ChC-PIPµPSCH HbA1c CfC,P°PSPsPIPëPI 8,3 %; 21 % CrC†P°CfPSPëPeC-PI  
PrPsCfP»C-PrP¶PµPSPSCl PjP°P»Pë PiC-PrC,PIPµChPµPrP¶PµPSC- PjC-PeChPsCfCrPrPëPSPSC-  
CrCfPeP»P°PrPSPµPSPSCl C†CrPeChPsPIPsiPs PrC-P°P±PµC,Cr. PαCrPSPeC†C-C¶  
PSPëChPsPe PSP° PIPëC...C-PrPSPsPjCr ChC-PIPSC- P±CrP»P° PSPsChPjP°P»CHPSPsCH  
P°P±Ps P·P»PµPiPeP° PiPsChCrC¶PµPSPsCH Cr 92 % PiP°C†C-C°PSC,C-PI, PiPsPjC-ChPSPs  
PiPsChCrC¶PµPSPsCH бґ“ Cr 8 % PiP°C†C-C°PSC,C-PI (CfPµChPµPrPSCl ChPëPµPα бґ“  
86 PjP»/C...PI/1,73 Pj²).

PJ C,P°P±P»PëC†C- 7 PSP°PIPµPrPµPSC- PSP°PNëP±C-P»CHC¶ C†P°CfC,C- PiPsP±C-C†PSC-  
ChPµP°PeC†C-C—, PiPsPiбґ™ C¶P·P°PSC- C-P· P·P°CfC,PsCfCrPIP°PSPSClPj  
PrP°PiP°PiP»C-C,,P»PsP·PëPSCr. PjC- PiPsP±C-C†PSC- ChPµP°PeC†C-C— P±CrP»Pë  
PIC-PrCfCrC,PSC- PSP° PIPëC...C-PrPSPsPjCr ChC-PIPSC-, ChPµC°CfC,ChCrPIP°P»PëCfC¶  
C†P°CfC,C-C¶Pµ Cr PiChCrPiC- P»C-PeCrPIP°PSPSCl PrP°PiP°PiP»C-C,,P»PsP·PëPSPsPj, PSC-P¶  
Cr PiChCrPiC- P·P°CfC,PsCfCrPIP°PSPSCl PiP»P°C†PµP±Ps, C-  
CfPiPsCfC,PµChC-PiP°P»PëCfC¶ PiChPëPSP°PNëPjPSC- Cr 2 % PiP°C†C-C°PSC,C-PI, C¶PeC-  
PsC,ChPëPjCrPIP°P»Pë P»C-PeCrPIP°PSPSCl PrP°PiP°PiP»C-C,,P»PsP·PëPSPsPj Cr PrPsP·C-  
5 PjPi P°P±Ps 10 PjPi.

## **$P\check{y}P^{\circ}P\pm P\gg P\ddot{e}C\uparrow C\downarrow$ 7**

**$P_{\mu}PsP\pm C-C\#PSC-$   $C\check{H}P_{\mu}P^{\circ}PeC\uparrow C-C-$ ,  
 $P\cdot P^{\circ}C\check{H}P_{\mu}C''C\check{I}C, C\check{H}PsPIP^{\circ}PSC-$   $C\acute{e} P\ddot{i}P\gg P^{\circ}C\uparrow P_{\mu}P\pm Ps-$   
 $PePsPSC, C\check{H}PsP\gg C\check{H}PsPIP^{\circ}PSP\ddot{e}C...$   
 $PrPsC\check{I}P\gg C-PrP\uparrow P_{\mu}PSPSC\downarrow C... PiP\gg C-PeP_{\mu}PjC-C\#PSPsPiPs$   
 $PePsPSC, C\check{H}PsP\gg C\check{H} C\acute{e} \geq 2 \% PiP^{\circ}C\uparrow C-C''PSC, C-PI, C\downarrow PeC-$   
 $PsC, C\check{H}P\ddot{e}PjC\acute{e}PIP^{\circ}P\gg P\ddot{e} P\gg C-PeC\acute{e}PIP^{\circ}PSPSC\downarrow$   
 $PrP^{\circ}PiP^{\circ}PiP\gg C-C,,P\gg PsP\cdot P\ddot{e}PSPsPj$**

|                                                                                                                                                                                                                                                                                                                                                                                                          | % $PiP^{\circ}C\uparrow C-C''PSC, C-PI$<br>$P\check{h}PSP^{\circ}P\gg C-P\cdot PsP\pm\delta\check{H}^{\text{TM}}C''PrPSP^{\circ}PSP\ddot{e}C... PrP^{\circ}PSP\ddot{e}C... 12B$<br>$PiP\gg P^{\circ}C\uparrow P_{\mu}P\pm Ps-PePsPSC, C\check{H}PsP\gg C\check{H}PsPIP^{\circ}PSP\ddot{e}C...$ |                                        |                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------|
| $P_{\mu}PsP\pm C-C\#PSP^{\circ} C\check{H}P_{\mu}P^{\circ}PeC\uparrow C-C\downarrow$                                                                                                                                                                                                                                                                                                                     | $PrPsC\check{I}P\gg C-PrP\uparrow P_{\mu}PSPSC\downarrow$<br>$P_{\mu}P\gg P^{\circ}C\uparrow P_{\mu}P\pm PsP''P^{\circ}PiP^{\circ}PiP\gg C-C,,P\gg PsP\cdot P\ddot{e}PSP''P^{\circ}PiP^{\circ}PiP\gg C-C,,P\gg PsP\cdot P\ddot{e}PS$<br>$N=1393$                                               | $5 PjPi$<br>$N=1145$                   | $10 PjPi$<br>$N=1193$                  |
| $P''C\check{H}P\ddot{e}P\pm PePsPIC-$<br>$C-PSC,,P_{\mu}PeC\uparrow C-C-$<br>$C\check{I}C, P^{\circ}C, P_{\mu}PIP\ddot{e}C... PsC\check{H}PiP^{\circ}PSC-PI$<br>$C\acute{r} P\uparrow C-PSPsPe^{*}$                                                                                                                                                                                                      | 1,5                                                                                                                                                                                                                                                                                            | 8,4                                    | 6,9                                    |
| $P\acute{K}P^{\circ}P\cdot PsC,,P^{\circ}C\check{H}P\ddot{e}PSPiC-C,$<br>$P\uparrow PSC,,P_{\mu}PeC\uparrow C-C-$<br>$C\check{I}P_{\mu}C\#PsPIP\ddot{e}PIC-PrPSP\ddot{e}C...$<br>$C\epsilon P\gg C\downarrow C... C-PI^{B5}$                                                                                                                                                                             | 6,2<br>3,7                                                                                                                                                                                                                                                                                     | 6,6<br>5,7                             | 6,3<br>4,3                             |
| $P'C-P\gg C\check{H} C\acute{r} C\check{I}PiP\ddot{e}PSC-$<br>$P-P\pm C-P\gg C\check{H}C\epsilon P_{\mu}PSPSC\downarrow$<br>$C\#P^{\circ}C\check{I}C, PsC, P\ddot{e}$<br>$C\check{I}P_{\mu}C\#PsPIP\ddot{e}PiC\acute{r}C\check{I}PeP^{\circ}PSPSC\downarrow^{B5\check{y}}$                                                                                                                               | 3,2<br>1,7                                                                                                                                                                                                                                                                                     | 3,1<br>2,9                             | 4,2<br>3,8                             |
| $P''C\check{H}P\ddot{e}P\pm PePsPIC-$<br>$C-PSC,,P_{\mu}PeC\uparrow C-C-$<br>$C\check{I}C, P^{\circ}C, P_{\mu}PIP\ddot{e}C... PsC\check{H}PiP^{\circ}PSC-PI$<br>$C\acute{r} C\#PsP\gg PsPIC-PeC-PI^{B8}$                                                                                                                                                                                                 | 0,3                                                                                                                                                                                                                                                                                            | 2,8                                    | 2,7                                    |
| $P\acute{K}C\acute{r}PrPsC, P^{\circ}$<br>$P''C\check{H}P\ddot{e}Pi$<br>$P''P\ddot{e}C\check{I}P\gg C-PiC-PrP_{\mu}PjC-C\downarrow$<br>$P-P^{\circ}PeC\check{H}P_{\mu}Pi$<br>$P''P\ddot{e}C\check{I}PePsPjC,,PsC\check{H}C, PiC\check{H}P\ddot{e}$<br>$C\check{I}P_{\mu}C\#PsPIP\ddot{e}PiC\acute{r}C\check{I}PeP^{\circ}PSPSC-$<br>$P'C-P\gg C\check{H} C\acute{r} PeC-PSC\uparrow C-PIPeP^{\circ}C...$ | 2,4<br>2,3<br>1,5<br>1,5<br>0,7<br>1,4                                                                                                                                                                                                                                                         | 2,8<br>2,7<br>2,1<br>2,2<br>1,6<br>2,0 | 2,5<br>2,3<br>2,5<br>1,9<br>2,1<br>1,7 |

\*  $P''C\check{H}P\ddot{e}P\pm PePsPIC- C-PSC,,P_{\mu}PeC\uparrow C-C- C\check{I}C, P^{\circ}C, P_{\mu}PIP\ddot{e}C... PsC\check{H}PiP^{\circ}PSC-PI$   
 $PsC...PsPiP\gg C\check{H}C\check{H}C, C\check{H} C, P^{\circ}PeC- PiPsP\pm C-C\#PSC- C\check{H}P_{\mu}P^{\circ}PeC\uparrow C-C-$ ,  
 $PiP_{\mu}C\check{H}P_{\mu}C\check{H}P^{\circ}C...PsPIP^{\circ}PSC- PI PiPsC\check{H}C\downarrow PrPeC\acute{r} P\cdot PjP_{\mu}PSC\epsilon P_{\mu}PSPSC\downarrow C\#P^{\circ}C\check{I}C, PsC, P\ddot{e},$   
 $C\downarrow PeC- C\check{I}PiPsC\check{I}C, P_{\mu}C\check{H}C-PiP^{\circ}P\gg P\ddot{e}C\check{I}C\downarrow C\acute{r} P\uparrow C-PSPsPe:$   
 $PiC\acute{r}P\gg C\check{H}PiPsPIP^{\circ}PiC-PSP^{\circ}P\gg C\check{H}PSP^{\circ} PiC\check{H}P\ddot{e}P\pm PePsPIP^{\circ} C-PSC,,P_{\mu}PeC\uparrow C-C\downarrow,$   
 $PIP^{\circ}PiC-PSP^{\circ}P\gg C\check{H}PSP^{\circ} C-PSC,,P_{\mu}PeC\uparrow C-C\downarrow, PiC\acute{r}P\gg C\check{H}PiPsPIP^{\circ}PiC-PSP^{\circ}P\gg C\check{H}PSP\ddot{e}PN_{\circ}$   
 $PeP^{\circ}PSPPr\ddot{e}PrPsP\cdot, PiC\acute{r}P\gg C\check{H}PiPsPIP^{\circ}PiC-PSC-C,, C-PSC,,P_{\mu}PeC\uparrow C-C\downarrow C\check{I}C, P^{\circ}C, P_{\mu}PIP\ddot{e}C...$   
 $PsC\check{H}PiP^{\circ}PSC-PI, PiP_{\mu}PSC-C, P^{\circ}P\gg C\check{H}PSP\ddot{e}PN_{\circ} PeP^{\circ}PSPPr\ddot{e}PrPsP\cdot, PiC\check{H}P\ddot{e}P\pm PePsPIP^{\circ}$   
 $C-PSC,,P_{\mu}PeC\uparrow C-C\downarrow C\check{I}C, P^{\circ}C, P_{\mu}PIP\ddot{e}C... PsC\check{H}PiP^{\circ}PSC-PI, PiC\acute{r}P\gg C\check{H}PiC-C,, C-PSC,,P_{\mu}PeC\uparrow C-C\downarrow$   
 $C\check{I}P_{\mu}C\#PsC\check{I}C, P^{\circ}C, P_{\mu}PiPsPiPs C, C\check{H}P^{\circ}PeC, C\acute{r}, P^{\circ}P\pm C\check{I}C\uparrow P_{\mu}C\check{I} PiC\acute{r}P\gg C\check{H}PiP\ddot{e} C, P^{\circ}$

$P \pm P^\circ PeC, P_\mu C \bar{H} C - P^\circ P \gg CH \bar{H} P S P \bar{e} P N_\# PIP^\circ PiC - PSC - C, . (P_\# C - P \gg CH \bar{H} PeC - C \bar{I} C, CH (N) P \bar{I} C - P S P s P e:$   
 $P \bar{i} P \gg P^\circ C \bar{I} P_\mu P \pm P s = 677, PrP^\circ P \bar{i} P^\circ P i P \gg C - C, P \gg P s P \cdot P \bar{e} P S C \bar{r} PrP s P \cdot C - 5 P j P i = 581,$   
 $PrP^\circ P \bar{i} P^\circ P i P \gg C - C, P \gg P s P \cdot P \bar{e} P S C \bar{r} PrP s P \cdot C - 10 P j P i = 598).$

<sup>Бҗ</sup>  $P \bar{I} P S C, P_\mu P e C \bar{I} C - C - C \bar{I} P_\mu C \bar{I} P s P I P \bar{e} P I C - PrP S P \bar{e} C \dots C \bar{e} P \gg C \bar{I} C \dots C - P I P s C \dots P s P \bar{i} P \gg C \bar{H} C \bar{H} C, CH$   
 $C, P^\circ P e C - P \bar{i} P s P \pm C - C \bar{I} P S C - C \bar{H} P_\mu P^\circ P e C \bar{I} C - C - , P \bar{i} P_\mu C \bar{H} P_\mu C \bar{H} P^\circ C \dots P s P I P^\circ P S C - P I P \bar{i} P s C \bar{H} C \bar{I} P r P e C \bar{r}$   
 $P \cdot P j P_\mu P S C \bar{e} P_\mu P S P S C \bar{I} C \bar{I} C \bar{I} P^\circ C \bar{I} C, P s C, P \bar{e}: C - P S C, P_\mu P e C \bar{I} C - C \bar{I} C \bar{I} P_\mu C \bar{I} P s P I P \bar{e} P I C - PrP S P \bar{e} C \dots$   
 $C \bar{e} P \gg C \bar{I} C \dots C - P I, C \bar{I} P \bar{e} C \bar{I} C, P \bar{e} C, P I P \bar{e} P e P \gg P \bar{e} P e P^\circ P S P^\circ E s c h e r i c h i a C - P S C, P_\mu P e C \bar{I} C - C \bar{I} C$   
 $C \bar{I} P_\mu C \bar{I} P s P I P \bar{e} P I C - PrP S P \bar{e} C \dots C \bar{e} P \gg C \bar{I} C \dots C - P I, C - P S C, P_\mu P e C \bar{I} C - C \bar{I} C \bar{I} P_\mu C \bar{I} P s C \bar{I} C, P^\circ C, P_\mu P I P s P i P s$   
 $C, C \bar{H} P^\circ P e C, C \bar{r}, P i C - C'' P \gg P s P S P_\mu C, C \bar{H} P \bar{e} C, C, C \bar{H} P \bar{e} P i P s P S C - C, C \bar{r} C \bar{H} P_\mu C, C \bar{H} P \bar{e} C, P S P \bar{e} C \bar{H} P e P s P I P^\circ C - P S C, P_\mu P e C \bar{I} C - C \bar{I} C - P \bar{i} C \bar{H} P s C \bar{I} C, P^\circ C, P \bar{e} C, .$

<sup>БҗҮ</sup>  $P - P \pm C - P \gg CH C \bar{e} P_\mu P S P S C \bar{I} C \bar{I} C \bar{I} P^\circ C, P s C, P \bar{e} C \bar{I} P_\mu C \bar{I} P s P I P \bar{e} P i C \bar{r} C \bar{I} P e P^\circ P S P S C \bar{I} C$   
 $P s C \dots P s P \bar{i} P \gg C \bar{H} C'' C, P^\circ P e C - P \bar{i} P s P \pm C - C \bar{I} P S C - C \bar{H} P_\mu P^\circ P e C \bar{I} C - C - , P \bar{i} P_\mu C \bar{H} P_\mu C \bar{H} P^\circ C \dots P s P I P^\circ P S C - P I$   
 $P \bar{i} P s C \bar{H} C \bar{I} P r P e C \bar{r} P \cdot P j P_\mu P S C \bar{e} P_\mu P S P S C \bar{I} C \bar{I} C \bar{I} P^\circ C, P s C, P \bar{e}: P \bar{i} P s P \gg P^\circ P e C - C \bar{r} C \bar{H} C - C \bar{I} C,$   
 $P \bar{i} P s P \gg C - C \bar{r} C \bar{H} C - C \bar{I} C - P \bar{i} C - P r P I P \bar{e} C \% P_\mu P S P \bar{e} P N_\# P r C - C \bar{r} C \bar{H} P_\mu P .$

<sup>Бҗ</sup>  $P'' C \bar{H} P \bar{e} P \pm P e P s P I C - C - P S C, P_\mu P e C \bar{I} C - C - C \bar{I} C, P^\circ C, P_\mu P I P \bar{e} C \dots P s C \bar{H} P i P^\circ P S C - P I$   
 $P s C \dots P s P \bar{i} P \gg C \bar{H} C \bar{H} C, CH C, P^\circ P e C - P \bar{i} P s P \pm C - C \bar{I} P S C - C \bar{H} P_\mu P^\circ P e C \bar{I} C - C - ,$   
 $P \bar{i} P_\mu C \bar{H} P_\mu C \bar{H} P^\circ C \dots P s P I P^\circ P S C - P I P \bar{i} P s C \bar{H} C \bar{I} P r P e C \bar{r} P \cdot P j P_\mu P S C \bar{e} P_\mu P S P S C \bar{I} C \bar{I} C \bar{I} P^\circ C, P s C, P \bar{e},$   
 $C \bar{I} P e C - C \bar{I} P \bar{i} P s C \bar{I} C, P_\mu C \bar{H} C - P i P^\circ P \gg P \bar{e} C \bar{I} C \bar{H} C \bar{r} C \bar{I} P s P \gg P s P I C - P e C - P I: P \pm P^\circ P \gg P^\circ P S C - C, .$   
 $P i C \bar{H} P \bar{e} P \pm P e P s P I P^\circ C - P S C, P_\mu P e C \bar{I} C - C \bar{I} C \bar{I} C, P^\circ C, P_\mu P I P \bar{e} C \dots P s C \bar{H} P i P^\circ P S C - P I,$   
 $P e P^\circ P S P r P \bar{e} P r P s P \cdot P S P \bar{e} P N_\# P \pm P^\circ P \gg P^\circ P S C - C, . P i P_\mu P S C - C, P^\circ P \gg CH \bar{H} P S P \bar{e} P N_\# P e P^\circ P S P r P \bar{e} P r P s P ,$   
 $C - P S C, P_\mu P e C \bar{I} C - C \bar{I} C \bar{I} C, P^\circ C, P_\mu P I P \bar{e} C \dots P s C \bar{H} P i P^\circ P S C - P I C \bar{r} C \bar{I} P s P \gg P s P I C - P e C - P I,$   
 $C - P S C, P_\mu P e C \bar{I} C - C \bar{I} C \bar{I} C, P^\circ C, P_\mu P I P s P i P s C \bar{I} P \gg P_\mu P S P^\circ, P \pm P^\circ P \gg P^\circ P S P s P \bar{i} P s C \bar{I} C, P \bar{e} C, .$   
 $C - P S C, P_\mu P e C \bar{I} C - P N_\# P S P \bar{e} P N_\# P \pm P^\circ P \gg P^\circ P S P s P \bar{i} P s C \bar{I} C, P \bar{e} C, . C - P S C, P_\mu P e C \bar{I} C - C \bar{I} C$   
 $C \bar{I} C, P^\circ C, P_\mu P I P \bar{e} C \dots P s C \bar{H} P i P^\circ P S C - P I C - P \cdot P^\circ P i P^\circ P \gg P_\mu P S P S C \bar{I} C P e C \bar{H} P^\circ P N_\# P S C \bar{H} P s C - P \bar{i} P \gg P s C, C -$   
 $(P_\# C - P \gg CH \bar{H} P e C - C \bar{I} C, CH (N) C \bar{I} P s P \gg P s P I C - P e C - P I: P \bar{i} P \gg P^\circ C \bar{I} P_\mu P \pm P s = 716,$   
 $PrP^\circ P \bar{i} P^\circ P i P \gg C - C, P \gg P s P \cdot P \bar{e} P S C \bar{r} PrP s P \cdot C - 5 P j P i = 564, PrP^\circ P \bar{i} P^\circ P i P \gg C - C, P \gg P s P \cdot P \bar{e} P S C \bar{r} PrP s P \cdot C -$   
 $10 P j P i = 595).$

**$P \bar{H} P S P^\circ P \gg C - P \cdot P s P \pm \bar{e} \bar{H}^\text{TM} C'' P r P S P^\circ P S P \bar{e} C \dots P r P^\circ P S P \bar{e} C \dots 13$**   
 **$P \bar{i} P \gg P^\circ C \bar{I} P_\mu P \pm P s - P e P s P S C, C \bar{H} P s P \gg CH \bar{H} P s P I P^\circ P S P \bar{e} C \dots$**   
 **$P r P s C \bar{I} P \gg C - P r P \bar{I} P_\mu P S C \bar{H} P \gg C - P e C \acute{e} P I P^\circ P S P S C \bar{I} C$**   
 **$P r P^\circ P \bar{i} P^\circ P i P \gg C - C, P \gg P s P \cdot P \bar{e} P S P s P j C \acute{e} P r P s P \cdot C - 10 P j P i$**   
 **$P r P \gg C \bar{I} C P i P \gg C - P e P_\mu P j C - C \bar{I} P S P s P i P s P e P s P S C, C \bar{H} P s P \gg CH$**

$P'' P^\circ P \bar{i} P^\circ P i P \gg C - C, P \gg P s P \cdot P \bar{e} P S C \bar{r} PrP s P \cdot C - 10 P j P i C, P^\circ P e P s P \bar{I} P \pm C \bar{r} P I P s C \bar{I} C - P S P_\mu P S P \bar{e} P N_\# P \cdot P^\circ$   
 $PrP^\circ P S P \bar{e} P j P \bar{e} P \pm C - P \gg CH C \bar{e} P s P i P s P \bar{i} P \gg P^\circ C \bar{I} P_\mu P \pm P s - P e P s P S C, C \bar{H} P s P \gg CH \bar{H} P s P I P^\circ P S P s P i P s$   
 $PrP s C \bar{I} P \gg C - P r P \bar{I} P_\mu P S P S C \bar{I} C P i P \gg C - P e P_\mu P j C - C \bar{I} P S P s P i P s P e P s P S C, C \bar{H} P s P \gg CH. P'' P^\circ P S C -$   
 $P s C \dots P s P \bar{i} P \gg CH P i P^\circ P \gg P \bar{e} PrP^\circ P S C - / C \bar{H} P_\mu P \cdot C \bar{r} P \gg CH C, P^\circ C, P \bar{e} 13 P \bar{i} P \gg P^\circ C \bar{I} P_\mu P \pm P s -$   
 $P e P s P S C, C \bar{H} P s P \gg CH \bar{H} P s P I P^\circ P S P \bar{e} C \dots PrP s C \bar{I} P \gg C - P r P \bar{I} P_\mu P S C \bar{H}, P \cdot P s P e C \bar{H} P_\mu P j P^\circ 3$   
 $PrP s C \bar{I} P \gg C - P r P \bar{I} P_\mu P S C \bar{H} P j P s P S P s C, P_\mu C \bar{H} P^\circ P i C - C - , 9 PrP s C \bar{I} P \gg C - P r P \bar{I} P_\mu P S C \bar{H}$   
 $PrP s P \bar{i} P s P I P S P_\mu P S P S C \bar{I} C PrP^\circ P \bar{i} P^\circ P i P \gg C - C, P \gg P s P \cdot P \bar{e} P S C \bar{r} PrP s P s C \bar{I} P S P s P I P S P s C -$   
 $C, P_\mu C \bar{H} P^\circ P i C - C - P \bar{i} C \bar{H} P s C, P \bar{e} P r C - P^\circ P \pm P_\mu C, P \bar{e} C \bar{I} P S P \bar{e} P j P \bar{e} P \gg C - P e P^\circ C \bar{H} C \bar{I} C \bar{H} P e P \bar{e} P j P \bar{e}$   
 $P \cdot P^\circ C \bar{I} P s P \pm P^\circ P j P \bar{e}, P^\circ C, P^\circ P e P s P \bar{I} PrP s C \bar{I} P \gg C - P r P \bar{I} P_\mu P S P S C \bar{I} C C \bar{H} P^\circ P S P S C \bar{H} P s C -$   
 $P e P s P j P \pm C - P S P s P I P^\circ P S P s C - C, P_\mu C \bar{H} P^\circ P i C - C - P j P_\mu C, C, P s C \bar{H} P j C - P S P s P j. P j C \dots P s P r C -$   
 $P \bar{i} C \bar{H} P s P I P_\mu P r P_\mu P S P S C \bar{I} C \bar{I} P \bar{e} C \dots 13 PrP s C \bar{I} P \gg C - P r P \bar{I} P_\mu P S C \bar{H} 2360 P \bar{i} P^\circ C \bar{I} C - C'' P S C, C - P I$   
 $P s P r P \bar{e} P S C \bar{H} P^\circ P \cdot P S P^\circ PrP s P \pm C \bar{r} P s C, C \bar{H} P \bar{e} P j C \bar{r} P I P^\circ P \gg P \gg C - P e C \bar{r} P I P^\circ P S P S C \bar{I} C$

PrP°PīP°PiP»C-C,,P»PsP·PēPSPsPj Cí PrPsP·C- 10 PjPi C-P· CÍPμCḡPμPrPSCḡPsCḡ  
C,CḡPēPIP°P»C-CÍC,Cḡ PμPeCÍPīPsP·PēC†C-C— 22 C,PēP¶PSC-. PŸPμCḡPμPrPSC-PNē PIC-Pe  
PīPsPīCíP»CÍC†C-C— CÍC,P°PSPsPIPēPI 59 CḡPsPeC-PI, 4 % PsCÍC-P± P±CíP»Pē PIC-PePsPj  
PIC-Pr 75 CḡPsPeC-PI. 58 % PīPsPīCíP»CÍC†C-C— CÍC,P°PSPsPIPēP»Pē C†PsP»PsPIC-PePē;  
84 % PsCÍC-P± P±CíP»Pē C"PICḡPsPīPμPsC—PrPSPsC— CḡP°CÍPē, 9 % Bḡ"  
P°P·C-P°C,CÍCḡPePsPīPs PīPsC...PsPrP¶PμPSPSCÍ C- 3 % Bḡ" PSPμPiCḡPsC—PrPSPsC—  
CḡP°CÍPē P°P±Ps P°C,,CḡPsP°PjPμCḡPēPeP°PSC†C-. PḡP° PIPēC...C-PrPSPsPjCí CḡC-PIPSC-  
CíC†P°CÍPSPēPePē PrPsCÍP»C-PrP¶PμPSPSCÍ PjP°P»Pē C†CíPeCḡPsPIPēPNē PrC-P°P±PμC, C-P·  
CÍPμCḡPμPrPSCḡPsCḡ C,CḡPēPIP°P»C-CÍC,Cḡ 9 CḡPsPeC-PI; CÍPμCḡPμPrPSC-PNē  
CḡC-PIPμPSCḡ HbA1c CÍC,P°PSPsPIPēPI 8,2 %; 30 % CíC†P°CÍPSPēPeC-PI  
PrPsCÍP»C-PrP¶PμPSPSCÍ PjP°P»Pē PiC-PrC,PIPμCḡPrP¶PμPSPμ PjC-PeCḡPsCÍCíPrPēPSPSPμ  
P·P°C...PIPsCḡCḡPIP°PSPSCÍ. PḡCíPSPeC†C-CÍ PSPēCḡPsPe PSP° PIPēC...C-PrPSPsPjCí  
CḡC-PIPSC- P±CíP»P° PSPsCḡPjP°P»CḡPSPsCḡ P°P±Ps P·P»PμPiPeP° PīPsCḡCíCēPμPSPsCḡ Cí  
88 % PīP°C†C-C"PSC,C-PI, PīPsPjC-CḡPSPs PīPsCḡCíCēPμPSPsCḡ Bḡ" Cí 11 %  
PīP°C†C-C"PSC,C-PI (CÍPμCḡPμPrPSCÍ CḡPēPḡPḡ Bḡ" 82 PjP»/C...PI/1,73 Pj²).

*P—PjPμPSCēPμPSPSCÍ PsP±Bḡ™ C"PjCé CḡC-PrPēPSPē*

P"°PīP°PiP»C-C,,P»PsP·PēPS CÍPīCḡPēC†PēPSCÍC" PsCÍPjPsC,PēC†PSPēPNē PrC-CíCḡPμP·,  
C%°Ps PjPsP¶Pμ PiCḡPēP·PIPμCÍC,Pē PrPs P·PSPēP¶PμPSPSCÍ  
PIPSC†C,CḡC-CēPSCḡPsCÍCíPrPēPSPSPsPīPs PsP±Bḡ™ C"PjCí. PḡPsP±C-C†PSC-  
CḡPμP°PeC†C-C—, PīPsPIBḡ™ CÍP·P°PSC- P·C- P·PjPμPSCēPμPSPSCÍPj PsP±Bḡ™ C"PjCí  
CḡC-PrPēPSPē (PIPeP»CḡC†PSPs P· PīPsPIC-PrPsPjP»PμPSPSCÍPjPē PiCḡPs  
P·PSPμPIPsPrPSPμPSPSCÍ, PiC-PīPsPIPsP»PμPjC-Cḡ, PsCḡC,PsCÍC,P°C,PēC†PSC†  
PiC-PīPsC,PμPSP·C-Cḡ P°P±Ps P°CḡC,PμCḡC-P°P»CḡPSC† PiC-PīPsC,PμPSP·C-Cḡ), PrP»CÍ  
PiCḡCíPi PrPsCÍP»C-PrP¶PμPSCḡ, C%°Ps PsP±Bḡ™ C"PrPSC†PIP°P»Pē 12 C- 13  
PePsCḡPsC,PePsCÍC,CḡPsPePsPIPēC... PīP»P°C†PμP±Ps-PePsPSC,CḡPsP»CḡPsPIP°PSPēC...  
PrPsCÍP»C-PrP¶PμPSCḡ, C,P° PrP»CÍ PrPsCÍP»C-PrP¶PμPSPSCÍ DECLARE PSP°PIPμPrPμPSPs  
PI C,P°P±P»PēC†C- 8 (PrPēPI. CḡPsP·PrC-P» B«PḡCÍPsP±P»PēPIPsCÍC,C-  
P·P°CÍC,PsCÍCíPIP°PSPSCÍB»).

*PŸP°P±P»PēC†CÍ 8*

*PμPsP±C-C†PSC- CḡPμP°PeC†C-C—, PīPsPIBḡ™ CÍP·P°PSC- P·C- P·PjPμPSCēPμPSPSCÍPj  
PsP±Bḡ™ C"PjCé CḡC-PrPēPSPē\*, PI PeP»C-PSC-C†PSPēC... PrPsCÍP»C-PrP¶PμPSPSCÍC...  
P·P°CÍC,PsCÍCíPIP°PSPSCÍ PrP°PīP°PiP»C-C,,P»PsP·PēPSCé*

| <i>PμPsPeP°P·PSPēPe</i>                           | <i>PḡPSP°P»C-P· PrP°PSPēC... 12<br/>PsP±Bḡ™ C"PrPSP°PSPēC... PīP»P°C†PμP±Ps-<br/>PePsPSC,CḡPsP»CḡPsPIP°PSPēC...<br/>PrPsCÍP»C-PrP¶PμPSCḡ</i> |                                         |                                         | <i>PḡPSP°P»C-P· PrP°PSPēC... 13<br/>PsP±Bḡ™ C"PrPSP°PSPēC... PīP»P°C†PμP±Ps-<br/>PePsPSC,CḡPsP»CḡPsPIP°PSPēC...<br/>PrPsCÍP»C-PrP¶PμPSCḡ</i> |                                         |                | <i>P"°PSP°P»C-PrP¶PμPSPSCÍ<br/>DECLARE</i> |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------|--------------------------------------------|
|                                                   | <i>PμP»P°C†PμP±Ps</i>                                                                                                                        | <i>P"°PīP°PiP»C--<br/>C,,P»PsP·PēPS</i> | <i>P"°PīP°PiP»C--<br/>C,,P»PsP·PēPS</i> | <i>PμP»P°C†PμP±Ps</i>                                                                                                                        | <i>P"°PīP°PiP»C--<br/>C,,P»PsP·PēPS</i> | <i>10 PjPi</i> | <i>PμP»P°C†PμP±PsC,,P»PsP·PēPS</i>         |
| <i>P—P°PiP°P»CḡPSP°</i>                           | N=1393                                                                                                                                       | N=1145                                  | N=1193                                  | N=2295                                                                                                                                       | N=2360                                  | N=8569         | N=8574                                     |
| <i>PeC-P»CḡPeC-CÍC,Cḡ</i>                         | 5                                                                                                                                            | 7                                       | 9                                       | 17                                                                                                                                           | 27                                      | 207            | 213                                        |
| <i>CéC†P°CÍPSPēPeC-PI</i>                         | (0,4 %)                                                                                                                                      | (0,6 %)                                 | (0,8 %)                                 | (0,7 %)                                                                                                                                      | (1,1 %)                                 | (2,4 %)        | (2,5 %)                                    |
| <i>PrPsCÍP»C-PrP¶PμPSPSCÍ</i>                     |                                                                                                                                              |                                         |                                         |                                                                                                                                              |                                         |                |                                            |
| <i>N (%)</i>                                      |                                                                                                                                              |                                         |                                         |                                                                                                                                              |                                         |                |                                            |
| <i>PμC-PrPiCḡCíPīP° PīP°C†C-C"PSC,C-PI, n (%)</i> |                                                                                                                                              |                                         |                                         |                                                                                                                                              |                                         |                |                                            |
| <i>PμP°C†C-C"PSC,Pē,</i>                          | n=55                                                                                                                                         | n=40                                    | n=31                                    | n=267                                                                                                                                        | n=236                                   | n=934          | n=866                                      |
| <i>CÍPeC-</i>                                     | 1                                                                                                                                            | 0                                       | 3                                       | 4                                                                                                                                            | 6                                       | 57             | 57                                         |
| <i>PsC,CḡPēPjCíCḡC,Cḡ</i>                         | (1,8 %)                                                                                                                                      |                                         | (9,7 %)                                 | (1,5 %)                                                                                                                                      | (2,5 %)                                 | (6,1 %)        | (6,6 %)                                    |
| <i>PīPμC,P»CḡPsPIC-</i>                           |                                                                                                                                              |                                         |                                         |                                                                                                                                              |                                         |                |                                            |
| <i>PrC-CḡCḡPμC,PēPePē</i>                         |                                                                                                                                              |                                         |                                         |                                                                                                                                              |                                         |                |                                            |





(CÍ'C,PsCĤPsPSPSCĤPsC—) PrPsPĭPsPjPsPiPë C- PIC-PrP·PSP°C±P°P»PëCÍ'CĬ C€PIPëPrPePëPj  
PIC-PrPSPsPiP»PµPSPSCĬPj CÍ'C,P°PSCr PSpµP·P°P»PµP¶PSPs PIC-Pr CĤC-PIPSCĬ  
PiP»CĤPePsP·Pë.

вĤ B B P·PĭC-P·PsPrPë PiC-PĭPsPiP»C-PePµPjC-C— P· CĤC-PIPSPµPj PiP»CĤPePsP·Pë  
< 54 PjPi/PrP» (3 PjPjPsP»CH/P») PIPëP·PSP°C±P°P»PëCÍ'CĬ CĬPe PµPĭC-P·PsPrPë  
PiC-PĭPsPiP»C-PePµPjC-C—, C%oPs PIC-PrPĭPsPIC-PrP°P»Pë PeCĤPëC,PµCĤC-CĬPj CĤC-PIPSCĬ  
PiP»CĤPePsP·Pë, P° C,P°PePsP¶ PSpµ P±CÍ'P»Pë PePIP°P»C-C,,C-PePsPIP°PSC- CĬPe  
PµPĭC-P·PsPrPë C,CĬP¶PePsPiPs CÍ'C,CrPĭPµPSCĬ.

вĤŸB B PµPµPŸ вĤ“ PĭPµCĤPsCĤP°P»CHbPSP° PĭCĤPsC,PëPrC-P°P±PµC,PëC±PSP°  
C,PµCĤP°PĭC-CĬ.

PJ PrPsCÍ'P»C-PrP¶PµPSPSC- DECLARE PµPĭC-P·PsPrPë PiC-PĭPsPiP»C-PePµPjC-C—  
C,CĬP¶PePsPiPs CÍ'C,CrPĭPµPSCĬ CÍ'PĭPsCÍ'C,PµCĤC-PiP°P»PëCÍ'CĬ Cr 58 (0,7 %) P· 8574  
PĭP°C†C-C"PSC,C-PI, CĬPeC- PsC,CĤPëPjCrPIP°P»Pë P»C-PeCÍ'PIP°PSPSCĬ  
PrP°PĭP°PiP»C-C,,P»PsP·PëPSPsPj Cr PrPsP·C- 10 PjPi, C,P° Cr 83 (1,0 %) P· 8569  
PĭP°C†C-C"PSC,C-PI, CĬPeC- PsC,CĤPëPjCrPIP°P»Pë PĭP»P°C†PµP±Ps.

*P“CĤPëP±PePsPIC- C-PSC,,PµPeC†C-C— CÍ'C,P°C,PµPIPëC... PsCĤPiP°PSC-PI*

PJ PrPsCÍ'P»C-PrP¶PµPSPSCĬC... PePsPSC,CĤPsP»CĤ PiP»C-PePµPjC-C— PiCĤPëP±PePsPIC-  
C-PSC,,PµPeC†C-C— CÍ'C,P°C,PµPIPëC... PsCĤPiP°PSC-PI C±P°CÍ'C,C-C€Pµ P±CÍ'P»Pë  
P·P°CĤPµC"CÍ'C,CĤPsPIP°PSC- Cr CĤP°P·C- P»C-PeCÍ'PIP°PSPSCĬ  
PrP°PĭP°PiP»C-C,,P»PsP·PëPSPsPj. P“CĤPëP±PePsPIC- C-PSC,,PµPeC†C-C— CÍ'C,P°C,PµPIPëC...  
PsCĤPiP°PSC-PI Cr 12 PĭP»P°C†PµP±Ps-PePsPSC,CĤPsP»CHbPsPIP°PSPëC...  
PrPsCÍ'P»C-PrP¶PµPSPSCĬC... CÍ'PĭPsCÍ'C,PµCĤC-PiP°P»PëCÍ'CĬ Cr 0,9 % PĭP°C†C-C"PSC,C-PI,  
CĬPeC- PsC,CĤPëPjCrPIP°P»Pë PĭP»P°C†PµP±Ps, Cr 5,7 % PĭP°C†C-C"PSC,C-PI, CĬPeC-  
PsC,CĤPëPjCrPIP°P»Pë P»C-PeCÍ'PIP°PSPSCĬ PrP°PĭP°PiP»C-C,,P»PsP·PëPSPsPj Cr PrPsP·C-  
5 PjPi, C- Cr 4,8 % PĭP°C†C-C"PSC,C-PI, CĬPeC- PsC,CĤPëPjCrPIP°P»Pë P»C-PeCÍ'PIP°PSPSCĬ  
PrP°PĭP°PiP»C-C,,P»PsP·PëPSPsPj Cr PrPsP·C- 10 PjPi. P§PµCĤPµP· CĤPsP·PIPëC,PsPe  
C-PSC,,PµPeC†C-C— CÍ'C,P°C,PµPIPëC... PsCĤPiP°PSC-PI PrPsCÍ'C,CĤPsPePsPiPs  
PiCĤPëPĭPëPSPëP»Pë CrC±P°CÍ'C,CH Cr PrPsCÍ'P»C-PrP¶PµPSPSC- 0 % PĭP°C†C-C"PSC,C-PI,  
CĬPeC- PsC,CĤPëPjCrPIP°P»Pë PĭP»P°C†PµP±Ps, C- 0,2 % PĭP°C†C-C"PSC,C-PI, CĬPeC-  
PsC,CĤPëPjCrPIP°P»Pë P»C-PeCÍ'PIP°PSPSCĬ PrP°PĭP°PiP»C-C,,P»PsP·PëPSPsPj Cr PrPsP·C-  
10 PjPi. P†PSC,,PµPeC†C-C— C±P°CÍ'C,C-C€Pµ CÍ'PĭPsCÍ'C,PµCĤC-PiP°P»PëCÍ'CĬ Cr P¶C-PSPsPe,  
P°PSC-P¶ Cr C±PsP»PsPIC-PeC-PI (PrPëPI. C,P°P±P»PëC†CĤ 7). PkP°PNëP±C-P»CHbC€  
C±P°CÍ'C,PëPjPë PiCĤPëP±PePsPIPëPjPë C-PSC,,PµPeC†C-CĬPjPë CÍ'C,P°C,PµPIPëC...  
PsCĤPiP°PSC-PI, PiCĤPs CĬPeC- PĭPsPIC-PrPsPjP»CĬP»PsCÍ'CHb, P±CÍ'P»Pë  
PICÍ'P»CHbPiPsPIP°PiC-PSP°P»CHbPSC- PiCĤPëP±PePsPIC- C-PSC,,PµPeC†C-C— Cr P¶C-PSPsPe  
C- P±P°P»P°PSC-C, Cr C±PsP»PsPIC-PeC-PI. PJ PĭP°C†C-C"PSC,C-PI C-P· PiCĤPëP±PePsPIPëPjPë  
C-PSC,,PµPeC†C-CĬPjPë CÍ'C,P°C,PµPIPëC... PsCĤPiP°PSC-PI PI P°PSP°PjPSPµP·C-  
C±P°CÍ'C,C-C€Pµ P±CÍ'P»Pë P·P°CĤPµC"CÍ'C,CĤPsPIP°PSC- PiCĤPëP±PePsPIC-  
C-PSC,,PµPeC†C-C— CÍ'C,P°C,PµPIPëC... PsCĤPiP°PSC-PI PĭC-Pr C±P°CÍ'  
PrPsCÍ'P»C-PrP¶PµPSPSCĬ, PSC-P¶ Cr PĭP°C†C-C"PSC,C-PI, Cr CĬPePëC... PI P°PSP°PjPSPµP·C-  
C,P°PeC- C-PSC,,PµPeC†C-C— P±CÍ'P»Pë PIC-PrCÍ'CrC,PSC- (10,0 %, 23,1 % C- 25,0 %  
PĭPsCĤC-PIPSCĬPSPs P· 0,8 %, 5,9 % C- 5,0 % Cr PiCĤCrPiC- P·P°CÍ'C,PsCÍ'CrPIP°PSPSCĬ  
PĭP»P°C†PµP±Ps, PrP°PĭP°PiP»C-C,,P»PsP·PëPSCr PI PrPsP·C- 5 PjPi C-  
PrP°PĭP°PiP»C-C,,P»PsP·PëPSCr PI PrPsP·C- 10 PjPi PIC-PrPĭPsPIC-PrPSPs). PJ  
PrPsCÍ'P»C-PrP¶PµPSPSC- B DECLARE CÍ'PµCĤPNëPsP·PSC- PiCĤPëP±PePsPIC-  
C-PSC,,PµPeC†C-C— CÍ'C,P°C,PµPIPëC... PsCĤPiP°PSC-PI P±CÍ'P»Pë  
P·P°CĤPµC"CÍ'C,CĤPsPIP°PSC- Cr < 0,1 % PĭP°C†C-C"PSC,C-PI, CĬPeC- PsC,CĤPëPjCrPIP°P»Pë

P»C-PeCfPIP°PSPSCl PpP°PpP°PiP»C-C,,P»PsP·PëPSPsPj Cí PrPsP·C- 10 PjPi, C,P° Cí < 0,1 %  
PpP°C†C-C"psc,C-PI, ClPeC- PsC,CtjPëPjCfPIP°P»Pë PpP»P°C†PpP±Ps. P"CtjPëP±PePsPIC-  
C-PSC,,PpPeC†C-C— CíC,P°C,PpPIPëC... PsCtjPiP°PSC-PI, C%Ps CíC,P°P»Pë PíCtjPëC†PëPSPsCtj  
PíCtjPëPíPëPSPpPSPSCl P·P°CíC,PsCíCfPIP°PSPSCl PpPsCíP»C-PpP¶CfPIP°PSPsPiPs  
P»C-PeP°CtjCíCtjPePsPiPs P·P°CíPsP±Cí, P±CíP»Pë P·P°CtjPpC"CíC,CtjPsPIP°PSC- Cí 0,9 %  
PpP°C†C-C"psc,C-PI, ClPeC- PsC,CtjPëPjCfPIP°P»Pë P»C-PeCfPIP°PSPSCl  
PpP°PpP°PiP»C-C,,P»PsP·PëPSPsPj Cí PrPsP·C- 10 PjPi, C,P° Cí < 0,1 % PpP°C†C-C"psc,C-PI,  
ClPeC- PsC,CtjPëPjCfPIP°P»Pë PpP»P°C†PpP±Ps.

*P PpP°PeC†C-C— PiC-PpPpCtjC†CzC,P»PëPiPsCíC,C-*

PpC-Pr C†P°Cí P»C-PeCfPIP°PSPSCl PpP°PpP°PiP»C-C,,P»PsP·PëPSPsPj  
PpPsPIC-PrPsPjP»ClP»PsCíCl PíCtjPs CtjPpP°PeC†C-C— PiC-PpPpCtjC†CíC,P»PëPiPsCíC,C-  
(PSP°PíCtjPëPeP»P°Pr, P°PSPiC-PsPSPpPICtjPsC,PëC†PSPëPn PSP°P±CtjClPe,  
PeCtjPsPíPëPíw<sup>™</sup> ClPSPeP°, PíC-PrPIPëC%PpPSP° C†CíC,P»PëPIC-CíC,Ctj PrPs  
P»C-PeP°CtjCíCtjPePsPiPs P·P°CíPsP±Cí). PpC-Pr C†P°Cí PeP»C-PSC-C†PSPëC...  
PpPsCíP»C-PpP¶PpPSCtj PiP»C-PePpPjC-C†PSPsPiPs PePsPSC,CtjPsP»Ctj CíPpCtjPnPsP·PSC-  
P°PSP°C,,C-P»P°PeC,PëC†PSC- CtjPpP°PeC†C-C— C- C,ClP¶PeC- PpPsP±C-C†PSC-  
CtjPpP°PeC†C-C— P· P±PsPeCí C€PeC-CtjPë C,P° PIPëPpP°PrPePë  
P°PSPiC-PsPSPpPICtjPsC,PëC†PSPsPiPs PSP°P±CtjClPeCí CíPpPsCíC,PpCtjC-PiP°P»PëCíCí Cí  
0,2 % PpP°C†C-C"psc,C-PI, ClPeC- PsC,CtjPëPjCfPIP°P»Pë P»C-PeCfPIP°PSPSCl  
P»C-PeP°CtjCíCtjPePëPj P·P°CíPsP±PsPj PpPsCtjC-PIPSClPSPSCl, C- Cí 0,3 %  
PpP°C†C-C"psc,C-PI, ClPeC- PsC,CtjPëPjCfPIP°P»Pë P»C-PeCfPIP°PSPSCl  
PpP°PpP°PiP»C-C,,P»PsP·PëPSPsPj. PíPeC%Ps PIPëPSPëPeP°CtjC,Ctj CtjPpP°PeC†C-C—  
PiC-PpPpCtjC†CíC,P»PëPiPsCíC,C-, PSPpPsP±C...C-PrPSPs PíCtjPëPíPëPSPëC,Pë  
P·P°CíC,PsCíCfPIP°PSPSCl PpP°PpP°PiP»C-C,,P»PsP·PëPSCí; P»C-PeCfPIP°PSPSCl  
PíCtjPsPiPsPrClj,Ctj PIC-PrPpPsPIC-PrPSPs PrPs CíC,P°PSPpP°CtjC,Cí PSP°PrP°PSPSCl  
PjPpPrPëC†PSPsC— PrPsPiPsPjPsPiPë PrPs P·PSPëPePSPpPSPSCl CíPëPjPiC,PsPjC-PI.

*PpPpC,PsP°C†PëPrPsP·*

Pj PrPsCíP»C-PrP¶PpPSPSC- DECLARE PíCtjPs ClPIPëC%P° PrC-P°P±PpC,PëC†PSPsPiPs  
PePpC,PsP°C†PëPrPsP·Cí (P"pPp) PpPsPIC-PrPsPjP»ClP»PsCíCl Cí 27 P· 8574  
PpP°C†C-C"psc,C-PI PíCtjCíPíPë P»C-PeCfPIP°PSPSCl PpP°PpP°PiP»C-C,,P»PsP·PëPSPsPj C,P° Cí  
12 P· 8569 PpP°C†C-C"psc,C-PI PíCtjCíPíPë PpP»P°C†PpP±Ps. PŸPpPsCíC,PpCtjPpP¶CfPIP°PSC-  
PpPiC-P·PsPrPë CtjC-PIPSsPjC-CtjPSPs CtjPsP·PpPsPrC-P»PëP»PëCíCl PíCtjPsC,ClPiPsPj  
PpPpCtjC-PsPrCí PrPsCíP»C-PrP¶PpPSPSCl.

*P>P°P±PsCtjP°C,PsCtjPSC- PrPsCíP»C-PrP¶PpPSPSCl*

*P—P±C-P»ChC€PpPSPSCl CtjC-PIPS-PI PeCtjPpP°C,PëPSC-PSCz PI CíPëCtjPsPIP°C,C†C-  
PeCtjPsPIC- C,P° P·PjPpPSC€PpPSPSCl CtjPëPpPα*

*P"°PpP°PiP»C-C,,P»PsP·PëPS*

PpPsC†P°C,PsPe P»C-PeCfPIP°PSPSCl C-PSPiC-P±C-C,PsCtjP°PjPë PkP—PpPŸP"2,  
PIPeP»CtjC†P°CtjC†Pë PrP°PpP°PiP»C-C,,P»PsP·PëPS, CíPíCtjPëC†PëPSClC" PSPpP·PSP°C†PSPp  
PíC-PrPIPëC%PpPSPSCl CtjC-PIPS-PI PeCtjPpP°C,PëPSC-PSCí PI CíPëCtjPsPIP°C,C†C-  
PeCtjPsPIC- C,P° P·PjPpPSC€PpPSPSCl CtjPëPpPα. PíC- P·PjC-PSPë CtjC-PIPSl  
PeCtjPpP°C,PëPSC-PSCí PI CíPëCtjPsPIP°C,C†C- PeCtjPsPIC- C,P° CtjPëPpPα P·P°P·PIPëC†P°Pn  
PIC-PrP±CíPIP°CtjC,CtjCíCl PíCtjPsC,ClPiPsPj PrPiPsC... C,PëP¶PSC-PI PíC-CíP»Cl  
PpPsC†P°C,PeCí C,PpCtjP°PiC-C—, P° PpPsC,C-Pj CíC,P°P±C-P»C-P·CíCtjC,CtjCíCl

PSPμP·P°P»PμP¶PSPs PIC-Pr PIPëC...C-PrPSPsPiPs CḡC-PIPSCḡ C,,CfPSPeC†C-C— PSPëCḡPsPe.  
P—PjC-PSPë, CḡPeC- PSPμ PIC-PrPiPsPIC-PrP°CḡC,CH C†C-PNḡ PeP°CḡC,PëPSC-,  
PiPsPIPëPSPSC- C†PiPsPSC†PeP°C,Pë PrPs PiPsPrP°P»CHC€PsPiPs PsP±C†C,PμP¶PμPSPSCḡ  
PrP»Cḡ PIPëPeP»CḡC†PμPSPSCḡ PjPsP¶P»PëPIPsC†C,C- PiPsC†C,CḡPsPiPs C†CḡP°P¶PμPSPSCḡ  
PSPëCḡPsPe (PrPëPI. CḡPsP·PrC-P» B«PhC†PsP±P»PëPIPsC†C,C-  
P·P°C†C,PsC†C†PIP°PSPSCḡB»). Pj PrPIPsC... PrPsC†P»C-PrP¶PμPSPSCḡC... P·P° C†C†P°C†C,C-  
PiP°C†C-C”PSC,C-PI P· C†C†PeCḡPsPIPëPj PrC-P°P±PμC,PsPj 2-PiPs C,PëPiC† P·  
PiPsCḡC†C€PμPSPSCḡPj C,,CfPSPeC†C-C— PSPëCḡPsPe PiPsPjC-CḡPSPsPiPs C†C,C†PiPμPSCḡ  
C,CḡP¶PePsC†C,C- PiPsC†C,CḡPëPNḡ PIPiP»PëPI PSP° CḡPëPḡPα P·PSPëPeP°PI PiC-C†P»Cḡ  
PiCḡPëPiPëPSPμPSPSCḡ P»C-PeC†PIP°PSPSCḡ, C%Ps C†PIC-PrC†PëC,CH PiCḡPs C,Pμ, C%Ps  
PiPsC†C,CḡC- PiPμPjPsPrPëPSP°PjC-C†PSC- P·PjC-PSPë PjPsP¶C†C,CH PIC-PrC-PiCḡP°PIP°C,Pë  
PiPμPIPSC† CḡPsP»CH C† P·PjC-PSP°C... C,,CfPSPeC†C-C— PSPëCḡPsPe, CḡPeC-  
C†PiPsC†C,PμCḡC-PiP°CḡC,CHC†Cḡ PiCḡPë P·P°C†C,PsC†C†PIP°PSPSC-  
PrP°PiP°PiP»C-C,,P»PsP·PëPSC†.

*P—P±C-P»CHC€PμPSPSCḡ PiPμPjP°C,PsPeCḡPëC,Cž*

*P”P°PiP°PiP»C-C,,P»PsP·PëPS*

P’ PsP±Bḡ™ C”PrPSP°PSC-PNḡ PiCḡC†PiC- PiP°C†C-C”PSC,C-PI, CḡPeC- P±CḡP°P»Pë  
C†C†P°C†C,CH C† 13 PiP»P°C†PμP±Ps-PePsPSC,CḡPsP»CHPsPIP°PSPëC...  
PrPsC†P»C-PrP¶PμPSPSCḡC... PiP»C-PePμPjC-C†PSPsPiPs PePsPSC,CḡPsP»Cḡ,  
P·P±C-P»CHC€PμPSPSCḡ PiPsCḡC-PIPSCḡPSPs P· PIPëC...C-PrPSPëPj CḡC-PIPSPμPj  
C†PμCḡPμPrPSC-C... PiPsPeP°P·PSPëPeC-PI PiPμPjP°C,PsPeCḡPëC,C†  
C†PiPsC†C,PμCḡC-PiP°P»PsC†Cḡ C† PiP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPëPjC†PIP°P»Pë  
P»C-PeC†PIP°PSPSCḡ PrP°PiP°PiP»C-C,,P»PsP·PëPSPsPj, PiPsC†PëPSP°CḡC†Pë P· C,PëP¶PSCḡ 1,  
C- C,CḡPëPIP°P»Ps PrPs C,PëP¶PSCḡ 16, PePsP»Pë CḡC-P·PSPëC†Cḡ PjC-P¶  
C†PμCḡPμPrPSC-PjPë PiPsPeP°P·PSPëPeP°PjPë PiPμPjP°C,PsPeCḡPëC,C† PiPsCḡC-PIPSCḡPSPs  
P· C†PμCḡPμPrPSC-PjPë PiPsPeP°P·PSPëPeP°PjPë PiPμPjP°C,PsPeCḡPëC,C† PSP°  
PIPëC...C-PrPSPsPjC† CḡC-PIPSC- PrPsC†CḡPiP»P° PjP°PeC†PëPjP°P»CHPSPëC...  
P·PSP°C†PμPSCḡ. PkP° C,PëP¶PSC- 24 C†PμCḡPμPrPSC- PIC-PrC...PëP»PμPSPSCḡ  
PiPsPeP°P·PSPëPeC-PI PiPμPjP°C,PsPeCḡPëC,C† PiPsCḡC-PIPSCḡPSPs P· PIPëC...C-PrPSPëPj  
CḡC-PIPSPμPj C†C,P°PSPsPIPëP»Pë -0,33 % C† PiCḡC†PiC- P·P°C†C,PsC†C†PIP°PSPSCḡ  
PiP»P°C†PμP±Ps C- 2,30 % C† PiCḡC†PiC- P»C-PeC†PIP°PSPSCḡ  
PrP°PiP°PiP»C-C,,P»PsP·PëPSPsPj C† PrPsP·C- 10 PjPi. PkP° C,PëP¶PSC- 24 PiPsPeP°P·PSPëPePë  
PiPμPjP°C,PsPeCḡPëC,C† PSP° CḡC-PIPSC- > 55 % P±C†P»Pë P·P°CḡPμC”C†C,CḡPsPIP°PSC- PI  
0,4 % PiP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPëPjC†PIP°P»Pë PiP»P°C†PμP±Ps, C- PI 1,3 %  
PiP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPëPjC†PIP°P»Pë P»C-PeC†PIP°PSPSCḡ  
PrP°PiP°PiP»C-C,,P»PsP·PëPSPsPj C† PrPsP·C- 10 PjPi.

*P—P±C-P»CHC€PμPSPSCḡ CḡC-PIPSC-PI C...PsP»PμC†C,PμCḡPëPSCž*  
*P»C-PiPsPiCḡPsC,PμC—PSC-PI PSPëP·CHPePsC— C%C-P»CHPSPsC†C,C-*

*P”P°PiP°PiP»C-C,,P»PsP·PëPS*

P’ PsP±Bḡ™ C”PrPSP°PSC-PNḡ PiCḡC†PiC- PiP°C†C-C”PSC,C-PI, CḡPeC- P±CḡP°P»Pë  
C†C†P°C†C,CH C† 13 PiP»P°C†PμP±Ps-PePsPSC,CḡPsP»CHPsPIP°PSPëC...  
PrPsC†P»C-PrP¶PμPSPSCḡC... PiP»C-PePμPjC-C†PSPsPiPs PePsPSC,CḡPsP»Cḡ, P·PjC-PSP°  
PiPsCḡC-PIPSCḡPSPs P· PIPëC...C-PrPSPëPj CḡC-PIPSPμPj C†PμCḡPμPrPSC-C...  
P·PSP°C†PμPSCḡ PiPsPeP°P·PSPëPeC-PI P»C-PiC-PrPSPsPiPs PsP±PjC-PSC†  
C†PiPsC†C,PμCḡC-PiP°P»P°C†CH PI PiCḡC†PiC- PiP°C†C-C”PSC,C-PI, CḡPeC-  
PsC,CḡPëPjC†PIP°P»Pë P»C-PeC†PIP°PSPSCḡ PrP°PiP°PiP»C-C,,P»PsP·PëPSPsPj,

PĭPsCĤC-PIPSCĬPSPs P· PĭP°C†C-C" PSC,P°PjPë, CĬPeC- PsC,CĤPëPjC†PIP°P»Pë  
 PĭP»P°C†Pμ±Ps. PŸPμCĤPμPrPSC-PNē PIC-PrCĬPsC,PsPe PĭPsCĤC-PIPSCĬPSPs P·  
 PIPëC...C-PrPSPëPj CĤC-PIPSPμPj PSP° C,PëP¶PSC- 24 P·PjC-PSPëPICĬCĬ PSP° 0,0 %  
 PĭPsCĤC-PIPSCĬPSPs P· 2,5 % PrP»CĬ P·P°PĭP°P»CHbPSPsPiPs C...PsP»PμCĬC,PμCĤPëPSC† C-  
 PSP° -1,0 % PĭPsCĤC-PIPSCĬPSPs P· 2,9 % PrP»CĬ C...PsP»PμCĬC,PμCĤPëPSC† P·PμPĶP© C†  
 PiCĤC†PiC- P·P°CĬC,PsCĬC†PIP°PSPSCĬ PĭP»P°C†Pμ±Ps C- PiCĤC†PiC- P»C-PeC†PIP°PSPSCĬ  
 PrP°PĭP°PiP»C-C,,P»PsP·PëPSPsPj C† PrPsP·C- 10 PjPi PIC-PrPĭPsPIC-PrPSPs. Pj  
 PrPsCĬP»C-PrP¶PμPSPSC- DECLARE C†PμCĤPμPrPSC- B P·PSP°C†PμPSPSCĬ  
 B PĭPsCĤC-PIPSCĬPSPs B P· B PIPëC...C-PrPSPëPj B CĤC-PIPSPμPj B C†PμCĤPμP· B 4 CĤPsPePë  
 P·PjC-PSPëP»PëCĬCĬ PSP° 0,4 PjPi/PrP» PiCĤPsC,Pë -4,1 PjPi/PrP» PrP»CĬ  
 P·P°PĭP°P»CHbPSPsPiPs C...PsP»PμCĬC,PμCĤPëPSC†, PSP° -2,5 PjPi/PrP» PiCĤPsC,Pë  
 -4,4 PjPi/PrP» PrP»CĬ C...PsP»PμCĬC,PμCĤPëPSC† P·PμPĶP© C† PiCĤC†PiC-  
 P»C-PeC†PIP°PSPSCĬ PrP°PĭP°PiP»C-C,,P»PsP·PëPSPsPj C† PrPsP·C- 10 PjPi C,P°  
 PĭP»P°C†Pμ±Ps PIC-PrPĭPsPIC-PrPSPs.

*PμPsPSC†PμPSC,CĤP°C†C-C— PIC-C,P°PjC-PSCž B<sub>12</sub>*

*PμPμC,C,,PsCĤPjC-PSCž PiC-PrCĤPsC...P»PsCĤPëPr*

PμC-Pr C†P°CĬ PeP»C-PSC-C†PSPëC... PrPsCĬP»C-PrP¶PμPSCHb P·P°CĬC,PsCĬC†PIP°PSPSCĬ  
 PjPμC,C,,PsCĤPjC-PSC†, C°%Ps C,CĤPëPIP°P»Pë PiCĤPsC,CĬPiPsPj 29 C,PëP¶PSC-PI,  
 PiCĤPëP±P»PëP·PSPs C† 7 % PĭP°C†C-C" PSC,C-PI CĬPiPsCĬC,PμCĤC-PĭP°P»PsCĬCĬ  
 P·PjPμPSC€PμPSPSCĬ CĤC-PIPSC-PI PIC-C,P°PjC-PSC† B<sub>12</sub> C† CĬPëCĤPsPIP°C,C†C- PeCĤPsPIC-  
 PSPëP¶C†Pμ PSPsCĤPjPë.

*P"PsCĬPIC-Pr PĭC-CĬP»CĬCĤPμC"CĬC,CĤP°C†C-PNēPSPsPiPs P·P°CĬC,PsCĬCžPIP°PSPSCĬ*

*P"P°PĭP°PiP»C-C,,P»PsP·PëPS*

PμCĤPsC,CĬPiPsPj PĭC-CĬP»CĬCĤPμC"CĬC,CĤP°C†C-PNēPSPsPiPs PĭPμCĤC-PsPrC†  
 P·P°CĬC,PsCĬC†PIP°PSPSCĬ PrP°PĭP°PiP»C-C,,P»PsP·PëPSC† PIPëCĬPIP»PμPSPs  
 PrPsPrP°C,PePsPIC- PĭPsP±C-C†PSC- CĤPμP°PeC†C-C—. PhCĬPeC-P»CHbPePë PrP°PSC- PĭCĤPs  
 C†C- CĤPμP°PeC†C-C— PsC,CĤPëPjC†CĤC,CHbCĬCĬ C† PIPëPiP»CĬPrC-  
 PrPsP±CĤPsPIC-P»CHbPSPëC... PĭPsPIC-PrPsPjP»PμPSCHb PIC-Pr PĭPsPiC†P»CĬC†C-C—  
 PSPμPIC-PrPsPjPsC— C†PëCĬPμP»CHbPSPsCĬC,C-, P·P°P·PIPëC†P°PNē PSPμPjPsP¶P»PëPiPs  
 PrPsCĬC,PsPIC-CĤPSPs PsC†C-PSPëC,Pë C†P°CĬC,PsC,C† C—C... PIPëPSPëPePSPμPSPSCĬ  
 P°P±Ps PICĬC,P°PSPsPIPëC,Pë P·PiBĤ™ CĬP·PsPe C-P· P·P°CĬC,PsCĬC†PIP°PSPSCĬPj  
 P»C-PeP°CĤCĬCHbPePsPiPs P·P°CĬPsP±C†.

*P†PSC,,PμPeC†C-C—: PSPμPeCĤPsC,PëC†PSPëPNē C,,P°CĬC†C-C—C, PiCĤPsPjPμP¶PëPSPë*  
*(PiP°PSPiCĤPμPSP° PαC†CĤPSCĤC"), C†CĤPsCĬPμPĭCĬPëCĬ C,P° PĭC-C"P»PsPSPμC,,CĤPëC,.*

*P PsP·P»P°PrPë PjPμC,P°P±PsP»C-P·PjCž C,P° C...P°CĤC†CžPIP°PSPSCĬ: PePμC,PsP°C†PëPrPsP·.*

*P PsP·P»P°PrPë PSPëCĤPsPe C,P° CĬPμC†PsPIPëPrC-P»PμPSPSCĬ: PiPsCĬC,CĤPμ*  
*C†CĤP°P¶PμPSPSCĬ PSPëCĤPsPe.*

*P—P°C...PIPSCĤCĤPIP°PSPSCĬ C€PeC-CĤPë C,P° PĭC-PrC€PeC-CĤPSPsC—*  
*PeP»C-C,PePsPIPëPSPë: PIPëCĬPëPĭ.*

*PμPμC,C,,PsCĤPjC-PSCž PiC-PrCĤPsC...P»PsCĤPëPr*

$P''P_{\mu}P_{\dot{I}}P^{\circ}C, P_sP_{\pm}C-P \gg C-P^{\circ}C_{\dot{H}}PSC- C_{\dot{H}}P_sP \cdot P \gg P^{\circ}PrP_{\ddot{e}}: C \dots P_sP \gg P_{\mu}C_{\dot{I}}C, P^{\circ}C, P_{\ddot{e}}C_{\dot{+}}PSP_{\mu},$   
 $P_{\dot{I}}P_{\mu}P_{\dot{I}}P^{\circ}C, P_sC_{\dot{+}}P_{\mu}P \gg C_{\dot{H}}P \gg C_{\dot{I}}C_{\dot{H}}PSP_{\mu} C, P^{\circ} P \cdot P_jC-C_{\dot{e}}P^{\circ}PSP_{\mu} P_{\dot{I}}P_{\mu}P_{\dot{I}}P^{\circ}C, P_sC_{\dot{+}}P_{\mu}P \gg C_{\dot{H}}P \gg C_{\dot{I}}C_{\dot{H}}PSP_{\mu}$   
 $C_{\dot{f}}C_{\dot{H}}P^{\circ}P_{\dot{I}}P_{\mu}PSPSC_{\dot{I}} P_{\dot{I}}P_{\mu}C_{\dot{+}}C-PSPeP_{\ddot{e}}.$

$P_{\mu}P_sPIC-PrP_sP_jP \gg P_{\mu}PSPSC_{\dot{I}} P_{\dot{I}}C_{\dot{H}}P_s P_{\dot{I}}C-PrP_sP \cdot C_{\dot{H}}C_{\dot{H}}PIP^{\circ}PSC- P_{\dot{I}}P_sP_{\pm}C-C_{\dot{+}}PSC-$   
 $C_{\dot{H}}P_{\mu}P^{\circ}PeC_{\dot{+}}C-C-$

$P_{\mu}P_sPIC-PrP_sP_jP \gg P_{\mu}PSPSC_{\dot{I}} P_{\dot{I}}C_{\dot{H}}P_s P_{\dot{I}}P_sP_{\pm}C-C_{\dot{+}}PSC- C_{\dot{H}}P_{\mu}P^{\circ}PeC_{\dot{+}}C-C- P_{\dot{I}}C-C_{\dot{I}}P \gg C_{\dot{I}}$   
 $B C_{\dot{H}}P_{\mu}C''C_{\dot{I}}C, C_{\dot{H}}P^{\circ}C_{\dot{+}}C-C- P \gg C-PeP^{\circ}C_{\dot{H}}C_{\dot{I}}CHPeP_sP_{\dot{I}}P_s P \cdot P^{\circ}C_{\dot{I}}P_sP_{\pm}C_{\dot{f}} P_jP^{\circ}C'' PIP^{\circ}P_{\dot{I}}P \gg P_{\ddot{e}}PIP_{\mu}$   
 $P \cdot PSP^{\circ}C_{\dot{+}}P_{\mu}PSPSC_{\dot{I}}. P_{\dot{I}}P_{\mu} PrP^{\circ}C'' P \cdot P_jP_sP_{\dot{I}}C_{\dot{f}} P_{\dot{I}}C_{\dot{H}}P_sPIP_sPrP_{\ddot{e}}C, P_{\ddot{e}} P_jP_sPSC-C, P_sC_{\dot{H}}P_{\ddot{e}}PSP_{\dot{I}}$   
 $C_{\dot{I}}P_{\dot{I}}C-PIPIC-PrPSP_sC_{\dot{e}}P_{\mu}PSPSC_{\dot{I}} PeP_sC_{\dot{H}}P_{\ddot{e}}C_{\dot{I}}C, CH/C_{\dot{H}}P_{\ddot{e}}P \cdot P_{\ddot{e}}Pe P_{\dot{I}}C_{\dot{H}}P_{\ddot{e}}$   
 $P \cdot P^{\circ}C_{\dot{I}}C, P_sC_{\dot{I}}C_{\dot{f}}PIP^{\circ}PSPSC- C_{\dot{+}}CHPeP_sP_{\dot{I}}P_s P \gg C-PeP^{\circ}C_{\dot{H}}C_{\dot{I}}CHPeP_sP_{\dot{I}}P_s P \cdot P^{\circ}C_{\dot{I}}P_sP_{\pm}C_{\dot{f}}.$   
 $P_{\dot{H}}P_{\mu}PrP_{\ddot{e}}C_{\dot{+}}PSP_{\ddot{e}}P_j C, P^{\circ} C, P^{\circ}C_{\dot{H}}P_jP^{\circ}C_{\dot{+}}P_{\mu}PIC, P_{\ddot{e}}C_{\dot{+}}PSP_{\ddot{e}}P_j P_{\dot{I}}C_{\dot{H}}P^{\circ}C_{\dot{+}}C-PIPSP_{\ddot{e}}PeP^{\circ}P_j, P^{\circ}$   
 $C, P^{\circ}PeP_sP_{\dot{I}} P_{\dot{I}}P^{\circ}C_{\dot{+}}C-C''PSC, P^{\circ}P_j P^{\circ}P_{\pm}P_s C-C \dots PSC-P_j P \cdot P^{\circ}PeP_sPSPSP_{\ddot{e}}P_j$   
 $P_{\dot{I}}C_{\dot{H}}P_{\mu}PrC_{\dot{I}}C, P^{\circ}PIPSP_{\ddot{e}}PeP^{\circ}P_j C_{\dot{I}}P \gg C-Pr P_{\dot{I}}P_sPIC-PrP_sP_jP \gg C_{\dot{I}}C, P_{\ddot{e}} P_{\dot{I}}C_{\dot{H}}P_s C_{\dot{f}}C_{\dot{I}}C-$   
 $PIP_{\ddot{e}}P_{\dot{I}}P^{\circ}PrP_{\ddot{e}} P_{\dot{I}}C-PrP_sP \cdot C_{\dot{H}}C_{\dot{H}}PIP^{\circ}PSP_{\ddot{e}}C \dots P_{\dot{I}}P_sP_{\pm}C-C_{\dot{+}}PSP_{\ddot{e}}C \dots C_{\dot{H}}P_{\mu}P^{\circ}PeC_{\dot{+}}C-PN_{\ddot{e}} C, P^{\circ}$   
 $PIC-PrC_{\dot{I}}C_{\dot{f}}C, PSP_sC_{\dot{I}}C, C- P_{\mu}C, P_{\mu}PeC, P_{\ddot{e}}PIPSP_sC_{\dot{I}}C, C- P \gg C-PeP^{\circ}C_{\dot{H}}C_{\dot{I}}CHPeP_sP_{\dot{I}}P_s P \cdot P^{\circ}C_{\dot{I}}P_sP_{\pm}C_{\dot{f}}$   
 $C_{\dot{+}}P_{\mu}C_{\dot{H}}P_{\mu}P \cdot P_{\dot{H}}PIC, P_sP_jP^{\circ}C, P_{\ddot{e}}P \cdot P_sPIP^{\circ}PSC_{\dot{f}} C-PSC, P_sC_{\dot{H}}P_jP^{\circ}C_{\dot{+}}C-PN_{\ddot{e}}PSC_{\dot{f}} C_{\dot{I}}P_{\ddot{e}}C_{\dot{I}}C, P_{\mu}P_jC_{\dot{f}} P \cdot$   
 $C, P^{\circ}C_{\dot{H}}P_jP^{\circ}PeP_sPSP^{\circ}P_{\dot{I}}P \gg C_{\dot{I}}PrC_{\dot{f}} P \cdot P^{\circ} P_{\dot{I}}P_sC_{\dot{I}}P_{\ddot{e}}P \gg P^{\circ}PSPSC_{\dot{I}}P_j: <https://aisf.dec.gov.ua>.$

**$P_{\dot{Y}}P_{\mu}C_{\dot{H}}P_jC-PS P_{\dot{I}}C_{\dot{H}}P_{\ddot{e}}PrP^{\circ}C, PSP_sC_{\dot{I}}C, C-.$**

3  $C_{\dot{H}}P_sPeP_{\ddot{e}}.$

**$P_jP_jP_sPIP_{\ddot{e}} P \cdot P_{\pm}P_{\mu}C_{\dot{H}}C-P_{\dot{I}}P^{\circ}PSPSC_{\dot{I}}.$**

$P-P_{\pm}P_{\mu}C_{\dot{H}}C-P_{\dot{I}}P^{\circ}C, P_{\ddot{e}} P_{\dot{I}}C_{\dot{H}}P_{\ddot{e}} C, P_{\mu}P_jP_{\dot{I}}P_{\mu}C_{\dot{H}}P^{\circ}C, C_{\dot{f}}C_{\dot{H}}C- PSP_{\ddot{e}}P_{\dot{I}}C_{\dot{+}}P_{\mu} 25^{\circ}P_{\dot{Y}}.$   
 $P-P_{\pm}P_{\mu}C_{\dot{H}}C-P_{\dot{I}}P^{\circ}C, P_{\ddot{e}} P_{\dot{I}} P_sC_{\dot{H}}P_{\ddot{e}}P_{\dot{I}}C-PSP^{\circ}P \gg CHPePSC-PN_{\ddot{e}} C_{\dot{f}}P_{\dot{I}}P^{\circ}PeP_sPIC_{\dot{+}}C-.$   
 $P-P_{\pm}P_{\mu}C_{\dot{H}}C-P_{\dot{I}}P^{\circ}C, P_{\ddot{e}} C_{\dot{f}} PSP_{\mu}PrP_sC_{\dot{I}}C, C_{\dot{f}}P_{\dot{I}}PSP_sP_jC_{\dot{f}} PrP \gg C_{\dot{I}} PrC-C, P_{\mu}PN_{\ddot{e}} P_jC-C_{\dot{I}}C_{\dot{+}}C-.$

**$P_jP_{\dot{I}}P^{\circ}PeP_sPIP_{\ddot{e}}P^{\circ}.$**

$P_{\mu}P_s 7 C, P^{\circ}P_{\pm}P \gg P_{\mu}C, P_sPe C_{\dot{f}} P_{\pm}P \gg C-C_{\dot{I}}C, P_{\mu}C_{\dot{H}}C-; P_{\dot{I}}P_s 4 P_{\pm}P \gg C-C_{\dot{I}}C, P_{\mu}C_{\dot{H}}P_{\ddot{e}} C_{\dot{f}}$   
 $PeP^{\circ}C_{\dot{H}}C, P_sPSPSC-PN_{\ddot{e}} PeP_sC_{\dot{H}}P_sP_{\pm}C_{\dot{+}}C-.$

**$P_{\dot{L}}P^{\circ}C, P_{\mu}P_{\dot{I}}P_sC_{\dot{H}}C-C_{\dot{I}} PIC-PrP_{\dot{I}}C_{\dot{f}}C_{\dot{I}}PeC_{\dot{f}}.$**

$P-P^{\circ} C_{\dot{H}}P_{\mu}C_{\dot{+}}P_{\mu}P_{\dot{I}}C, P_sP_j.$

**$P'P_{\ddot{e}}C_{\dot{H}}P_sP_{\pm}PSP_{\ddot{e}}Pe.$**

$P_{\dot{H}}C_{\dot{I}}C, C_{\dot{H}}P^{\circ}P-P_{\mu}PSP_{\mu}PeP^{\circ} P_{\dot{X}}P^{\circ}C_{\dot{H}}P_jP^{\circ}C_{\dot{I}}CHCHC, P_{\ddot{e}}PeP^{\circ}P \gg C_{\dot{I}} P_{\dot{Y}}P_{\dot{I}} / AstraZeneca$

Pharmaceuticals LP.

**РѢС-СІС†РμР•PSP°С...PsPrP¶PμPSPSC¶ PIPёСЃPsP±PSPёPeP° С,P° Р°РгСЃРμСІР°  
РјС-СІС†С¶ PёСЃPsPIP°РгР¶PμPSPSC¶ PNёPsPiPs РгС-С¶P»СЃPSPsСІС,C-.**

4601 РГР°PNёСІРμPNё 62 P†СІС,, РѢР°СІPSC, Р’РμСЃPSPsPS, IN, 47620, PŸPёPђ / 4601 Highway  
62 East, Mount Vernon, IN, 47620, United States.