

P† Pќ PŸ Pŷ P PJ Pљ P! P† Pİ

**PrP»CИ PjPμPrPëC‡PSPsPiPs P·P°CÍC,PsCÍCfPIP°PSPSCИ P»C-PeP°CĤCÍCĤPëPsPiPs
P·P°CÍPsP±Cf**

P—PhP>PĥPαP P•Pќ

B (ZOLAFREN)

PŸPeP»P°Pr:

*PrC-CĤC‡P° CĤPμC‡PsPIPëPSP°: 1 C,P°P±P»PμC,PeP° PjC-CÍC,PëC,ĤĤ 5 PjPi P°P±Ps 10 PjPi
PsP»P°PSP·P°PiC-PSCf;*

*PrPsPiPsPjC-P¶PSC- CĤPμC‡PsPIPëPSPë: P»P°PeC,PsP·Pë PjPsPSPsPiC-PrCĤP°C,,
C†PμP»CĤP»PsP·P° PjC-PeCĤPsPeCĤPëCÍC,P°P»C-C‡PSP°, PSP°C,CĤC-CĤ
PeCĤPsC...PjP°P»ĤĤPiP»C-PePsP»CИC, (C,PëPİ Pĥ), PjP°PiPSC-CĤ CÍC,PμP°CĤP°C,,
PsP±PsP»PsPSPeP°: PiC-PrCĤPsPeCÍPëPİCĤPsPiC-P»PjPμC,PëP»C†PμP»CĤP»PsP·P°
(PiC-PiCĤPsPjPμP»PsP·P°), PiPsP»C-PμC,PëP»PμPSPiP»C-PePsP»ĤĤ (PĤP°PeCĤPsPiPsP») 400,
P±P°CĤPIPSPëPe Yellow No.6 Al-Lake (P• 110), C,PëC,P°PSCf PrC-PsPeCÍPëPr (P• 171),
P·P°P»C-P·P° PsPeCÍPëPr P¶(PsPIC,PëP№ (P• 172), P»P°PeC,PsP·Pë PjPsPSPsPiC-PrCĤP°C,.*

P»C-PeP°CĤCÍCĤPëP° C,,PsCĤPjP°. PŷP°P±P»PμC,PePë, PIPeCĤPëC,C- PsP±PsP»PsPSPePsĤĤ.

*PhCÍPSPsPIPSC- C,,C-P·PëPePs-C...C-PjC-C‡PSC- PIP»P°CÍC,PëPIPsCÍC,C-: C,P°P±P»PμC,PePë
PiPs 5 PjPi: C,P°P±P»PμC,PePë P±PμP¶PμPIPsPiPs PePsP»ĤĤPsCĤCf, PIPeCĤPëC,C-
PsP±PsP»PsPSPePsĤĤ, PrPIPsPsPiCfPeP»C-, P· CĤPsP·PiPsPrC-P»ĤĤC‡PsĤĤ CĤPëCÍPePsĤĤ P·
PsPrPSPsPiPs P±PsPeCf, PrC-P°PjPμC,CĤPsPj 7 PjPj;*

*C,P°P±P»PμC,PePë PiPs 10 PjPi: C,P°P±P»PμC,PePë P±PμP¶PμPIPsPiPs PePsP»ĤĤPsCĤCf,
PIPeCĤPëC,C- PsP±PsP»PsPSPePsĤĤ, PrPIPsPsPiCfPeP»C-, PrC-P°PjPμC,CĤPsPj 7 PjPj.*

PαP°CĤPjP°PePsC,PμCĤP°PiPμPIC,PëC‡PSP° PiCĤCfPiP°.

PĥPSC,PëPİCÍPëC...PsC,PëC‡PSC- P·P°CÍPsP±Pë. PљPsPr PĥPŷP† N05A H03.B

PαP°CĤPjP°PePsP»PsPiC-C‡PSC- PIP»P°CÍC,PëPIPsCÍC,C-.

PαP°CĤPjP°PePsPrPëPSP°PjC-PeP°.

*PhP»P°PSP·P°PiC-PS C" P°PSC,PëPİCÍPëC...PsC,PëC‡PSPëPj,
P°PSC,PëPjP°PSC-P°PeP°P»ĤĤPSPëPj P»C-PeP°CĤCÍCĤPëPëPj P·P°CÍPsP±PsPj, CИPePëP№
CÍC,P°P±C-P»C-P·CfC" PSP°CÍC,CĤC-P№, C-P· CëPëCĤPsPePëPj CÍPİPμPeC,CĤPsPj
C,,P°CĤPjP°PePsP»PsPiC-C‡PSPsC— PrC-C—, P·CfPjPsPIP»PμPSPsC— PIPİP»PëPIPsPj PSP°*

СҗС-Р·PSC- СҗРµС†РµРµС,PsСҗРё. Р'PёСЦРР»РµPSPs Р·РІБҗ™ СЦР·СрРР°PSPSCЦ Р·
СГРµСҗPsС,PsPSC-PSPsРРёРРё СҗРµС†РµРµС,PsСҗР°РРё 5 РќРҮ_{2РҮ/2РҮ}, 5 РќРҮ₃, 5 РќРҮ₆,
РrPsРiР°РјС-PSPsРРёРРё СҗРµС†РµРµС,PsСҗР°РРё D₁, D₂, D₃, D₄, D₅,
РјСрСГРР°СҗРёPёPSPsРРёРРё СҗРµС†РµРµС,PsСҗР°РРё РҢ₁Бҗ“РҢ₅,
Р°РrСҗРµPSPµСҗРµС-С†PSPёРј СҗРµС†РµРµС,PsСҗPsРј a₁ С- РµС-СГС,Р°РјС-PSPsРРёРРё Рќ₁-
СҗРµС†РµРµС,PsСҗPsРј. Рј С...PsРrС- РrPsСГР»С-РrРµРµPµPSCҢ РiPsРРµРµС-PSPёРё
С,РР°СҗРёPёPS, СЦРРёРёРј РРРРsРrРёP»Pё PsP»Р°PSP·Р°РµС-PS, РРёСЦРР»РµPSPs
Р°PSC,Р°РµPsPSC-Р·Рј PsP»Р°PSP·Р°РµС-PSCр СЦРРё РrPs СГРµСҗPsС,PsPSC-PSPsРРёРРё...
СҗРµС†РµРµС,PsСҗС-РІ 5РќРҮ, С,Р°Рё С- РrPs РrPsРiР°РјС-PSPsРРёРРё... С,Р°
С...PsP»С-PSPµСҗРµС-С†PSPёС... РҢP»Р°PSP·Р°РµС-PS РјР°С” РРёС%PёРµPҢ СҗС-РРµPSCҢ
Р·РІБҗ™ СЦР·СрРР°PSPSCЦ Р· СҗРµС†РµРµС,PsСҗР°РРё СГРµСҗPsС,PsPSC-PSCр 5РќРҮ₂,
PSC-Рµ Р· СҗРµС†РµРµС,PsСҗР°РРё РrPsРiР°РјС-PSCр D₂, Ср РјPsРrРµP»СЦС... СЦРРё *in vitro*,
С,Р°Рё С- *in vivo*. Р·P»РµPёС,СҗPsС,,С-Р·С-PsP»PsРµС-С†PSC- РrPsСГР»С-РrРµРµPµPSPSCЦ
РiPsРёР°РµР°РµP»Pё, С%Ps PsP»Р°PSP·Р°РµС-PS СГРµP»РµPёС,РёРРsPs Р·РјPµPSCёСрС”
Р·Р±СрРrP»PёРµС-СГС,СҢ РјPµP·PsP»С-РјP±С-С†PSPёС... (РҢ10)
РrPsРiР°РјС-PSPµСҗРµС-С†PSPёС... PSPµPҢСҗPsPSC-РІ, РiСҗPsСЦРР»СЦСҗС†Pё РiСҗРё
С†СҢPsРјСр PSPµP·PSP°С†PSPёPҢ РРiР»P»PёРІ PSP° СГС,СҗС-Р°СҗPSC- (РҢ9) СёP»СЦС...Pё,
РiPsРiБҗ™ СЦР·Р°PSC- Р· РјPsС,PsСҗPSPsСҢ С,,СрPSPёС†С-С”СҢ. РҢP»Р°PSP·Р°РµС-PS
РiР°РµP»СҢРјСрС” СрРјPsРРsPёPҢ СҗРµС,,P»РµPёС СрPSPёPёPSPµPSPSCЦ, С%Ps
СГРµС-РrС†PёС,СҢ РiСҗPs РҢPsРiPs Р°PSC,РёРiСГРёС...PsС,РёС†PSCр Р°PёС,РёРРsPSC-СГС,СҢ
РiСҗРё РiСҗРёPёPҢPsРјС- РІ РrPsР·Р°С..., РјPµPSCёPёС..., PSC-Рµ РrPsР·Pё, С%Ps
СГРiСҗРёPёС†PёPSCЦСҗС,СҢ РёP°С,Р°P»РµРiСГС-СҢ, СЦРРёP° С” PsP·PSP°PёPsСҢ
РiPsР±С-С†PSPёС... РјPsС,PsСҗPSPёС... РµС,,РµPёС,С-РІ. РќР° РiС-РrРјС-PSCр РiС-Рr
РrРµСЦРРёPёС... С-PSCёPёС... Р°PSC,РёРiСГРёС...PsС,РёС†PSPёС... P»С-РёP°СҗСГСҢPёPёС...
Р·Р°СГРsР±С-РІ, PsP»Р°PSP·Р°РµС-PS РiPsСГРёP»СҗС” СҗРµPµP°PёС†С-С— PSP°
РiPsРrСҗРёP°P·PSPёPё РiСҗРё РiСҗPsРРµPµPSPSC- Р°PSPёСГС-PsP»С-С,РёС†PSPsРiPs
С,РµСГС,Ср.

РµСҗРёPё PsРrPSPsСҗРёP°P·PsРiPsРјСр РiСҗРёPёPҢPsРјС- 10 РјРi PsP»Р°PSP·Р°РµС-PSCр Ср
С...PsРrС- РiPsР·PёС,СҗPsPSPSPs-РµРјС-СГС-РҢPsPSC— С,PsРјPsРiСҗРёP°С,,С-С— (РµP·PҮ) Р·Р°
СрС†P°СГС,СҢ РrPsР±СҗPsРiPsP»СҢС†С-РІ Р·Бҗ™ СЦСГРР°PSPs, С%Ps
PsP»Р°PSP·Р°РµС-PS РјР°РІ Р±С-Р»СҢСёPёPҢ СҗС-РРµPSCҢ Р·РІБҗ™ СЦР·СрРР°PSPSCЦ Р·
СҗРµС†РµРµС,PsСҗР°РРё 5 РќРҮ_{2РҮ}, PSC-Рµ Р· РrPsРiР°РјС-PSPsРРёРРё
СҗРµС†РµРµС,PsСҗР°РРё D₂. РҢСҗС-Рј С,PsРiPs, Ср СҗРµPµP·СрP»СҢС,Р°С,С- Р°PSP°P»С-Р·Ср
Р·PsР±СҗР°РРµPµPSCҢ, PsС,СҗРёPёРјP°PSPёС... РiС-Рr С†P°СГ РrPsСГР»С-РrРµРµPµPSCҢ
РiР°С†С-С”PSC,С-РІ, С...РiPsСҗРёPёС... PSP° СёPёP·PsС,,СҗРµPµPSC-СҢ, РјPµС,PsРrPsРј
PsРrPSPsС,,PsС,PsPSPSPsС— РµРјС-СГС-РҢPsPSC— PёPsРјРiБҗ™ СҢС,РµСҗPSPsС—
С,PsРјPsРiСҗРёP°С,,С-С— (РҢP»P·РҢPҮ), Р·Бҗ™ СЦСГРР°PSP»PsСГСЦ, С%Ps Ср
РiР°С†С-С”PSC,С-РІ, С†СрС,Р»PёРiPёС... РrPs PsP»Р°PSP·Р°РµС-PSCр, РјPµPSCёPёPҢ
СҗС-РРµPSCҢ Р·РІБҗ™ СЦР·СрРР°PSPSCЦ Р·С- СГС,СҗС-Р°СҗPSPёРјPё D₂-
СҗРµС†РµРµС,PsСҗР°РРё, PSC-Рµ Ср С-PSCёPёС... С†СрС,Р»PёРiPёС... РrPs
Р°PSC,РёРiСГРёС...PsС,РёPёС-РІ С,Р° СҗРµPµСГРiС-СҗРёPёPrPsPSCр РiР°С†С-С”PSC,С-РІ,
СЦРРёPёPҢ РiPsСҗС-РiPSCЦPSPSPёPҢ Р· С,Р°PёPёРј Ср РiР°С†С-С”PSC,С-РІ,
С†СрС,Р»PёРiPёС... РrPs PёP»PsP·Р°РµС-PSCр.

РҢP»С-PSC-С†PSP° РµС,,РµPёС,РёРРsPSC-СГС,СҢ.

Рј РrРiPsС... С-Р· РrРiPsС... РiP»Р°С†РµP±Ps-PёPsPSC,СҗPsP»СҢPsРiР°PSPёС... С- РrРiPsС...
С-Р· С,СҗСҢPsС... РiPsСҗС-РiPSCЦP»СҢPSPs-PёPsPSC,СҗPsP»СҢPsРiР°PSPёС...
РrPsСГР»С-РrРµРµPµPSCҢ Р· СрС†P°СГС,СҢ РiPsPSP°Рr 2900 С...РiPsСҗРёPёС... PSP°
СёPёP·PsС,,СҗРµPµPSC-СҢ Р· РiPsР·PёС,РёРРsPSPёРјPё С- PSPµРiР°С,РёРРsPSPёРјPё

СҗРµС†PëPrPëPICr P±C-PiPsP»CЦCҗPSPsPiPs СҗPsP·P»P°PrCf (PsP»P°PSP·P°PiC-PS 30 %, P»C-C,C-PM 38,3 %; Cҗ = 0,055).

PJ C...PsPrC- 18-PjC-CfCЦC†PSPsPiPs PrPsCfP»C-PrP¶PµPSPSCЦ PiC-Pr C†P°Cf CfCfPiCfC,PSCHPsPiPs P»C-PeCfPIP°PSPSCЦ PjP°PSC-P°PeP°P»CHPSPëC... P°P±Ps P·PjC-C€P°PSPëC... PµPiC-P·PsPrC-PI CfC,P°PS PiP°C†C-C”PSC,C-PI CfC,P°P±C-P»C-P·CfPIP°P»Pë P·P° PrPsPiPsPjPsPiPsCҗ PsP»P°PSP·P°PiC-PSCf, CЦPe CfC,P°P±C-P»C-P·P°C,PsCҗ PSP°CfC,CҗPsCҗ P·P°CfC,PsCfPsPICfPIP°P»Pë P»C-C,C-PM P°P±Ps PIP°P»CHPiCҗPsP°C,. PkPµ P±CfP»Ps PICfC,P°PSPsPIP»PµPSPs CfC,P°C,PëCfC,PëC†PSPs P·PSP°C†CfC%PsC— PiPµCҗPµPIP°PiPë PSP°Pr PjPsPSPsC,PµCҗP°PiC-C”Cҗ P»C-C,C-C”Pj P°P±Ps PIP°P»CHPiCҗPsP°C,PsPj C%PsPrPs PIC-PrCfC,CҗPsC†PµPSPSCЦ CҗPµC†PëPrPëPIC-PI P±C-PiPsP»CЦCҗPSPëC... CҗPsP·P»P°PrC-PI, PIPëP·PSP°C†PµPSPëC... PIC-PrPiPsPIC-PrPSPs PrPs CfPëPSPrCҗPsPjPSPsPiPs (PrC-P°PiPSPsCfC,PëC†PSPsPiPs) PeCҗPëC,PµCҗC-Cҗ.

P”C-C,Pë.

P”PsCfPIC-Pr P·P°CfC,PsCfCfPIP°PSPSCЦ PiC-PrP»C-C,PeP°Pj (PIC-PePsPj PIC-Pr 13 PrPs 17 CҗPsPeC-PI) PsP±PjPµP¶PµPSPëPM. P,, PrP°PSC- PrPsCfP»C-PrP¶PµPSCҗ C%PsPrPs PµC,,PµPeC,PëPIPSPsCfC,C- PePsCҗPsC,PePsC,CҗPëPIP°P»PsPiPs P»C-PeCfPIP°PSPSCЦ C€PëP·PsC,,CҗPµPSC-C— (6 C,PëP¶PSC-PI) C,P° PjP°PSC-C—, PiPsPiBҗ™ CЦP·P°PSPsC— P· P±C-PiPsP»CЦCҗPSPëPjPë CҗPsP·P»P°PrP°PjPë (3 C,PëP¶PSC-), P· CfC†P°CfC,Cҗ PjPµPSC€ PSC-P¶ 200 PiC-PrP»C-C,PeC-PI. PµPsC†P°C,PePsPIP° PrPsP·P° PsP»P°PSP·P°PiC-PSCf CfC,P°PSPsPIPëP»P° 2,5 PjPi C,P° PrPsCfCЦPiP°P»P° 20 PjPi/PrPsP±Cf. PµC-Pr C†P°Cf P»C-PeCfPIP°PSPSCЦ PsP»P°PSP·P°PiC-PSPsPj PjP°CfP° C,C-P»P° Cf PiC-PrP»C-C,PeC-PI P·PSP°C†PSPs P·P±C-P»CHC€PëP»P°CfCЦ PiPsCҗC-PIPSCЦPSPs P· PrPsCҗPsCfP»PëPjPë. PJ PiC-PrP»C-C,PeC-PI CfPiPsCfC,PµCҗC-PiP°P»PsCfCЦ PiC-PrPIPëC%PµPSPSCЦ CҗC-PIPSC-PI P·P°PiP°P»CHPSPsPiPs C...PsP»PµCfC,PµCҗPëPSCf PSP°C,C%Pµ, C...PsP»PµCfC,PµCҗPëPSCf P»C-PiPsPiCҗPsC,PµC—PSC-PI PSPëP·CHPePsC— C%C-P»CHPSPsCfC,C-, C,CҗPëPiP»C-C†PµCҗPëPrC-PI C,P° PiCҗPsP»P°PeC,PëPSCf (PrPëPI. CҗPsP·PrC-P»Pë B«PhCfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCЦ, B«PµPsP±C-C†PSC-CҗPµP°PeC†C-C—B») PiPsCҗC-PIPSCЦPSPs P· PrPsCҗPsCfP»PëPjPë. PkPµPjP°C” PePsPSC,CҗPsP»CHPsPIP°PSPëC... PrP°PSPëC... C%PsPrPs P·P±PµCҗPµP¶PµPSPSCЦ PµC,,PµPeC,Cf P°P±Ps PrPsPiPiPsCfC,CҗPsPePsPiPsC— P±PµP·PiPµPePë (PrPëPI. CҗPsP·PrC-P»Pë B«PhCfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCЦ, B«PµPsP±C-C†PSC-CҗPµP°PeC†C-C—B»). P†PSC,,PsCҗPjP°C†C-CЦ PiCҗPs PrPsPiPiPsCfC,CҗPsPePsPICf P±PµP·PiPµPeCf PI PsCfPSPsPIPSPsPjCf PsP±PjPµP¶CfC”C,CHCfCЦ PrP°PSPëPjPë PIC-PrPeCҗPëC,PëC... PSPµPePsPSC,CҗPsP»CHPsPIP°PSPëC... PrPsCfP»C-PrP¶PµPSCҗ.

PαP°CҗPjP°PePsPeC-PSPµC,PëPeP°.

PҗP±CfPsCҗP±C†C-CЦ.

PµCҗPµPiP°CҗP°C, PrPsP±CҗPµ PICfPjPsPeC,CfC”C,CHCfCЦ PiC-CfP»CЦ PiPµCҗPsCҗP°P»CHPSPsPiPs PiCҗPëPM 2PsPjCf, Cmax PM 2PsPiPs Cf PiP»P°P·PjC- PeCҗPsPIC- PrPsCfCЦPiP°C”C,CHCfCЦ C†PµCҗPµP· 5Bҗ”8 PiPsPrPëPS. PkP° PICfPjPsPeC,CfPIP°PSPSCЦ PsP»P°PSP·P°PiC-PSCf PiCҗPëPM 2PsPj C—P¶C- PSPµ PIPiP»PëPIP°C”. PҗP±CfPsP»CҗC,PSP° P±C-PsPrPsCfC,CfPiPSC-CfC,CH PsP»P°PSP·P°PiC-PSCf PiCҗPë PiPµCҗPsCҗP°P»CHPSPsPjCf P·P°CfC,PsCfCfPIP°PSPSC- PiPsCҗC-PIPSCЦPSPs C-P· PIPSCfC,CҗC-C€PSCҗPsPiPµPSPSPëPj PSPµ PICfC,P°PSPsPIP»PµPSP°.

P PsP·PiPsPrC-P».

P C-PIPμPSCĤ P·PiBĤ™ CĪP·CfPIP°PSPSCĪ PsP»P°PSP·P°PiC-PSCf P· PiCĤPsC,PμC—PSP°PjPē
PiP»P°P·PjPē PeCĤPsPIC- CĪC,P°PSPsPIPēPI PiCĤPēP±P»PēP·PSPs 93 % PiCĤPē
PePsPSC+PμPSC,CĤP°C†C-C— C† PjPμP¶P°C... PIC-Pr 7 PSPi/PjP» PrPs 1000 PSPi/PjP».
PĥP»P°PSP·P°PiC-PS P·PiBĤ™ CĪP·CfC”C,CĤCĪCĪ PiPμCĤPμPIP°P¶PSPs P·
P°P»CĤP±C†PjC-PSPsPj C- a1-PePēCĪP»PēPj PiP»C-PePsPiCĤPsC,PμC—PSPsPj.

P’C-PsC,CĤP°PSCĪC,,PsCĤPjP°C†C-CĪ.

PĥP»P°PSP·P°PiC-PS PjPμC,P°P±PsP»C-P·CfC”C,CĤCĪCĪ C† PiPμC†C-PSC†C- CēP»CĪC...PsPj
PePsPSBĤ™ CĤPiP°C†C-C— C- PsPePēCĪPSPμPSPSCĪ. PĥCĪPSPsPIPSPēPj
PjPμC,P°P±PsP»C-C,PSPj, C%Ps C†PēCĤPeC†P»CĤC”, C” 10-N-PiP»CĤPeC†CĤPsPSC-Pr,
CĪPePēPNē PSPμ PiCĤPsC...PsPrPēC,CĤ PeCĤC-P·CĤ PiPμPjP°C,PSPμPSC+PμC,,P°P»C-C†PSPēPNē
P±P°CĤBĤ™ C”CĤ. PjPēC,PSC...CĤPsPjPē P450-CYP1A2 C- P450-CYP2D6 C†PiCĤPēCĪCĤC,CĤ
C,,PsCĤPjC†PIP°PSPSCĤ PjPμC,P°P±PsP»C-C,C-PI N-PrPμP·PjPμC,PēP»C† C- 2-
PiC-PrCĤPsPeCĪPēPjPμC,PēP»C†, CĪPeC- PiCĤPsCĪPIP»CĪP»Pē P·PSP°C†PSPs PjPμPSC€C†
C,,P°CĤPjP°PePsP»PsPiC-C†PSC† P°PeC,PēPIPSC-CĪC,CĤ in vivo, PSC-P¶ PsP»P°PSP·P°PiC-PS,
C† C...PsPrC- PrPsCĪP»C-PrP¶PμPSCĤ PSP° C,PIP°CĤPēPSP°C.... PĥCĪPSPsPIPSP°
C,,P°CĤPjP°PePsP»PsPiC-C†PSP° P°PeC,PēPIPSC-CĪC,CĤ P·C†PjPsPIP»PμPSP°
PiPμCĤPIPēPSPSPēPj PsP»P°PSP·P°PiC-PSPsPj.

P’PēPIPμPrPμPSPSCĪ.

PμC-CĪP»CĪ PiPμCĤPsCĤP°P»CĤPSPsPiPs P·P°CĪC,PSC†C†PIP°PSPSCĪ C†PμCĤPμPrPSC-PNē
PiPμCĤC-PsPr PSP°PiC-PIPIPēPIPμPrPμPSPSCĪ PsP»P°PSP·P°PiC-PSC† C†
PrPsP±CĤPsPIPsP»CĤC†C-PI PePsP»PēPIP°PIC†CĪ P·P°P»PμP¶PSPs PIC-Pr PIC-PeC† C,P°
CĪC,P°C,C-.

PJ P·PrPsCĤPsPIPēC... PrPsP±CĤPsPIPsP»CĤC†C-PI P»C-C,PSCHPsPiPs PIC-PeC† (PIC-Pr 65
CĤPsPeC-PI) PiPsCĤC-PIPSCĪPSPs P· PjPsP»PsPrCēPēPjPē P·P° PIC-PePsPj
PrPsP±CĤPsPIPsP»CĤC†CĪPjPē C†PμCĤPμPrPSC-PNē PiPμCĤC-PsPr
PSP°PiC-PIPIPēPIPμPrPμPSPSCĪ P±C†PI C,CĤPēPIP°P»C-CēPēPNē (51,8 PiCĤPsC,Pē 33,8
PiPsPrPēPSPē), PeP»C-CĤPμPSC† C† PiP»P°P·PjC- P±C†PI P·PSPēP¶PμPSPēPNē (17,5 PiCĤPsC,Pē
18,2 P»/PiPsPr). PαP°CĤPjP°PePsPeC-PSPμC,PēC†PSC- PePsP»PēPIP°PSPSCĪ, C%Ps
C†PiPsCĪC,PμCĤC-PiP°P»PēCĪCĪ C† PrPsP±CĤPsPIPsP»CĤC†C-PI P»C-C,PSCHPsPiPs
PIC-PeC†, P·PSP°C...PsPrCĪC,CĤCĪCĪ C† PjPμP¶P°C... PrC-P°PiP°P·PsPSC† PjPsP»PsPrCēPēC...
PrPsP±CĤPsPIPsP»CĤC†C-PI. PJ 44 C...PIPsCĤPēC... PSP° CēPēP·PsC,,CĤPμPSC-CĤ PIC-PePsPj
65 CĤPsPeC-PI PrPsP·C†PIP°PSPSCĪ PIC-Pr 5 PrPs 20 PjPi/PrPsP±C† PSPμ P±C†P»Ps
PiPsPiBĤ™ CĪP·P°PSPs P· P¶PsPrPSPēPj C...P°CĤP°PeC,PμCĤPSPēPj PiCĤPsC,,C-P»PμPj
PSPμP±P°P¶P°PSPēC... CĪPIPēC%.

PJ P¶C-PSPsPe PiPsCĤC-PIPSCĪPSPs P· C†PsP»PsPIC-PeP°PjPē C†PμCĤPμPrPSC-PNē
PiPμCĤC-PsPr PSP°PiC-PIPIPēPIPμPrPμPSPSCĪ P±C†PI C,CĤPēPIP°P»C-CēPēPNē (36,7
PiCĤPsC,Pē 32,3 PiPsPrPēPSPē), P° PeP»C-CĤPμPSC† C† PiP»P°P·PjC- P±C†PI
P·PSPēP¶PμPSPēPNē (18,9 PiCĤPsC,Pē 27,3 P»/PiPsPr). PĥPrPSP°Pe PiCĤPsC,,C-P»CĤ
P±PμP·PiPμPePē PsP»P°PSP·P°PiC-PSC† (5BĤ”20 PjPi) P±C†PI PiPsCĤC-PIPSCĪPSPSPēPNē C†
P¶C-PSPsPe (N = 467) C- C† C†PsP»PsPIC-PeC-PI (N = 869).

PμP°C†C-C”PSC,Pē P· PSPēCĤPePsPIPsCĤ PSPμPrPsCĪC,P°C,PSC-CĪC,CĤ.

PJ PiP°C†C-C”PSC,C-PI P· PSPēCĤPePsPIPsCĤ PSPμPrPsCĪC,P°C,PSC-CĪC,CĤ (PeP»C-CĤPμPSC†

PeC₇PμP°C, PēPSC-PSCr < 10 PjP»/C...PI) PīPsC₇C-PIPSC₇IPSPs P·C- P·PrPsC₇PsPIPēPjPē PrPsP±C₇PsIPsP»C₇C₇CI₇PjPē PSPμ P±C₇P»Ps C-C₇C, PsC, PSPsC— C₇C-P·PSPēC₇C- Cr PīPsPeP°P·PSPēPeP°C... C₇PμC₇PμPrPSC₇H₇PsPiPs PīPμC₇C-PsPrC₇ PSP°PīC-PIPIPēPIPμPrPμPSPSC₇ (37,7 PīC₇PsC, Pē 32,4 PīPsPrPēPSPē) P°P±Ps PeP»C-C₇PμPSC₇C₇ Cr PīP»P°P·PjC- PeC₇PsPIC- (21,2 PīC₇PsC, Pē 25,0 P»/PīPsPr). P°PsC₇P»C-PrP₇IPμPSPSC₇ PīPsPeP°P·P°P»Pē, C%Ps PīC₇PēP±P»PēP·PSPs 57 % PsP»P°PSP·P°PīC-PSCr P· C₇P°PrC-PsP°PeC, PēPIPSPsC₇ PjC-C, PePsC₇ PīC₇PēC₇C₇C, PSC- PI C₇PμC₇C-, PīPsP»PsPIPSPēPj C₇PēPSPsPj Cr PIPēPīP»CI₇PrC- PjPμC, P°P±PsP»C-C, C-PI.

PμPsC₇C₇C₇PμPSPSC₇ C, CrPSPeC₇C-C— PīPμC₇C-PSPePē.

P₇PμPIPμP»PēPePμ PrPsC₇P»C-PrP₇IPμPSPSC₇ PIPīP»PēPIC₇ PīPsC₇C₇C₇PμPSPSC₇ C, CrPSPeC₇C-C— PīPμC₇C-PSPePē Cr 6 C₇C₇P±B₇TM C°PeC, C-PI C-P· PeP»C-PSC-C₇PSPs P·PSP°C₇C₇C%PēPj C₇PēC₇PsP·PsPj (PeP»P°C₇ A (n = 5) C- B (n = 1) P·P° PeP»P°C₇PēC, C-PeP°C₇C-C°C₇ P₇P°P₇»PrP° B₇ PμB₇TM C₇) PIPēCI₇PIPēP»Ps PSPμP·PSP°C₇PSPēP₇ PIPīP»PēPI PSP° C, P°C₇PjP°PePsPeC-PSPμC, PēPeC₇ PīPμC₇PsC₇P°P»C₇H₇PSPsPiPs PsP»P°PSP·P°PīC-PSCr (C₇P°P·PsPIP° PrPsP·P° 2,5B₇“7,5 PjPi): C₇C₇P±B₇TM C°PeC, Pē P· P»PμPīPePsC₇ C, P° PīPsPjC-C₇PSPsC₇ PrPēC₇C, CrPSPeC₇C-C°C₇ PīPμC₇C-PSPePē PjP°P»Pē PrPμC%Ps PīC-PrPIPēC%PμPSPēP₇ C₇PēC₇C, PμPjPSPēP₇ PeP»C-C₇PμPSC₇ C- CēPIPēPrCēPēP₇ PīPμC₇C-PsPr PSP°PīC-PIPIPēPIPμPrPμPSPSC₇ PīPsC₇C-PIPSC₇IPSPs P· C₇C₇P±B₇TM C°PeC, P°PjPē P±PμP· PīPμC₇C-PSPePsIPsC— PrPēC₇C, CrPSPeC₇C-C— (n = 3). P₇PμC₇PμPr C₇C₇P±B₇TM C°PeC, C-PI C-P· C₇PēC₇PsP·PsPj P±C₇P»Ps P±C-P»C₇C₇C₇PeC₇C-PI (4/6; 67 %), PSC-P₇ C₇PμC₇PμPr C₇C₇P±B₇TM C°PeC, C-PI P±PμP· PīPsC₇C₇C₇PμPSPSC₇ C, CrPSPeC₇C-C— PīPμC₇C-PSPePē (0/3; 0 %).

PμP°C₇C-C°PSC, Pē, CI₇PeC- PīP°P»CI₇C, C₇H.

Pj PSPμPeC₇C₇C-PI PīPsC₇C-PIPSC₇IPSPs P· PeC₇C₇C₇CI₇PjPē (C₇PsP»PsPIC-PePē C, P° P₇CI₇-PSPePē) C₇PμC₇PμPrPSC-P₇ PīPμC₇C-PsPr PSP°PīC-PIPIPēPIPμPrPμPSPSC₇ P±C₇PI C, C₇PēPIP°P»C-CēPēP₇ (38,6 PīC₇PsC, Pē 30,4 PīPsPrPēPSPē), P° PeP»C-C₇PμPSC₇ Cr PīP»P°P·PjC- P±C₇PI P·PSPēP₇IPμPSPēP₇ (18,6 PīC₇PsC, Pē 27,7 P»/PīPsPr).

P₇P»C-C₇PμPSC₇ PsP»P°PSP·P°PīC-PSCr Cr PīP»P°P·PjC- PSPēP₇CI₇PēP₇ Cr PīP°C₇C-C°PSC, C-PI P»C-C, PSC₇H₇PsPiPs PIC-PeC₇ PīPsC₇C-PIPSC₇IPSPs P· PjPsP»PsPrPēPjPē, Cr P₇CI₇-PSPsPe PīPsC₇C-PIPSC₇IPSPs P· C₇PsP»PsPIC-PeP°PjPē C, P° Cr PSPμPeC₇C₇C-PI PīPsC₇C-PIPSC₇IPSPs P· PeC₇C₇C₇CI₇PjPē. P₇ PIC₇Pμ P₇ C, P°PeC- C, P°PeC, PsC₇Pē, CI₇Pe PIC-Pe, C₇C, P°C, C₇H C, P° PīP°P»C-PSPSC₇, PjP°P»Ps PjPsP₇CI₇C, C₇H PIPīP»PēPIP°C, Pē PSP° PeP»C-C₇PμPSC₇ PsP»P°PSP·P°PīC-PSCr Cr PīP»P°P·PjC- PeC₇PsPIC- C, P° PīPμC₇C-PsPr PSP°PīC-PIPIPēPIPμPrPμPSPSC₇ PīPsC₇C-PIPSC₇IPSPs C-P· PIC-PrPjC-PSPSC-C₇C, C₇ C₇PēC... PīPsPeP°P·PSPēPeC-PI Cr C₇C-P·PSPēC... PsC₇C-P±.

Pj C...PsPrC- PrPsC₇P»C-PrP₇IPμPSC₇ P· CrC₇P°C₇C, C₇H PīP°C₇C-C°PSC, C-PI CI₇PīPsPSC₇C₇H₇PePsC— C, P° PePēC, P°P₇CI₇C₇H₇PePsC— PSP°C₇C-PsPSP°P»C₇H₇PSPsC₇C, PμP₇ PIC-PrPjC-PSPSPsC₇C, PμP₇ Cr C, P°C₇PjP°PePsPeC-PSPμC, PēC₇C- PsP»P°PSP·P°PīC-PSCr PjC-P₇ C, C₇C₇H₇PsPjP° PīPsPīC₇P»CI₇C₇C-CI₇PjPē PSPμ PIPēCI₇PIP»PμPSPs.

P°C-C, Pē.

PμC-PrP»C-C, PePē (PIC-PePsPj PIC-Pr 13 PrPs 17 C₇PsPeC-PI):

C,,P°CTHPjP°PePsPeC-PSPμC,PēPeP° PsP»P°PSP·P°PīC-PSCr' Cr' PīC-PrP»C-C,PeC-PI C-PrPsCTHPsCīP»PēC... PīPsPrC-P±PSP°. PJ C...PsPrC- PeP»C-PSC-C±PSPēC... PrPsCīP»C-PrP¶PμPSCĤ CīPμCTHPμPrPSC-PNē PIPiP»PēPI PsP»P°PSP·P°PīC-PSCr' P±CīPI PīCTHPēP±P»PēP·PSPs PSP° 27 % PIPēC%PēPNē Cr' PīC-PrP»C-C,PeC-PI. P°PμPjPsPiCTHP°C,,C-C±PSC- PIC-PrPjC-PSPSPsCīC,C- PjC-P¶ PīC-PrP»C-C,PeP°PjPē C-PrPsCTHPsCīP»PēPjPēB PIPeP»CTHC±P°CTHC,CH PSPēP¶C±Cī CīPμCTHPμPrPSCĤ PjP°CīCī C,C-P»P° C,P° PjPμPSCēCī PeC-P»CHPeC-CīC,CH PeCīCTHC†C-PI CīPμCTHPμPr PīP°C†C-C" PSC,C-PI PīC-PrP»C-C,PePsPIPSPiPs PIC-PeCī. PŷP°PeC- C,,P°PeC,PsCTHPē, PNēPjPsPIC-CTHPSPs, CīPīCTHPēCīCīCTHC,CH PIPēC%PsPjCī CīPμCTHPμPrPSCĤPsPjCī PμC,,PμPeC,Cī PsP»P°PSP·P°PīC-PSCr', C%Ps CīPīPsCīC,C,PμCTHC-PiP°PICīCī Cī PīC-PrP»C-C,PeC-PI.

B

P°PsPeP»C-PSC-C±PSC- PrP°PSC- P· P±PμP·PiPμPePē

P°PsCīC,CĤP° (PsPrPSPsCTHP°P·PsPIP°) C,PsPeCīPēC±PSC-CīC,CH

PħP·PSP°PePē PīPμCTHPsCTHP°P»CHPSPsC— C,PsPeCīPēC±PSPsCīC,C- Cr' PīCTHPēP·CīPSC-PI P±CīP»Pē C...P°CTHP°PeC,PμCTHPSPēPjPē PrP»Cī PīPsC,CīP¶PSPēC... PSPμPNēCTHPsP»PμPīC,PēC±PSPēC... CīPīPsP»CīPe: PīC-PīPsP°PeC,PēPIPSC-CīC,CH, PePsPjP°, C,CTHPμPjPsCTH, PeP»PsPSC-C±PSC- CīCīPrPsPjPē, CīP»PēPSPsPIPēPrC-P»PμPSPSCī C,P° P·PSPēP¶PμPSPēPNē PSP°P±C-CTH PIP°PiPē. PŷPμCTHPμPrPSC- P»PμC,P°P»CHPSC- PrPsP·Pē CīC,P°PSPsPIPēP»Pē PīCTHPēP±P»PēP·PSPs 210 PjPi/PePi (PjPēCēC-) C- 175 PjPi/PePi (C%Cr'CTHPē). PŷPsP±P°PePē PīPμCTHPμPSPsCīPēP»Pē CTHP°P·PsPIC- PīPμCTHPsCTHP°P»CHPSC- PrPsP·Pē PrPs 100 PjPi/PePi P±PμP· P»PμC,P°P»CHPSPēC... PSP°CīP»C-PrPeC-PI. PħP»C-PSC-C±PSC- PsP·PSP°PePē PIPeP»CTHC±P°P»Pē CīPμPrP°C†C-CTH, P°C,P°PeCīC-CTH, C,CTHPμPjPsCTH, PīCTHPēCīPePsCTHPμPSPμ CīPμCTHC†PμP±PēC,C,Cī, CīC,CTHCīPrPSPμPSPμ PrPēC...P°PSPSCī, PjC-PsP· C,P° P°PSPsCTHPμPeCīC-CTH. PJ PjP°PIPī PsPrPSPsCTHP°P·PsPIC- PīPμCTHPsCTHP°P»CHPSC- PrPsP·Pē PrPs 100 PjPi/PePi PīCTHPēP·PIPsPrPēP»Pē PrPs PīCTHPsCīC,CTHP°C†C-C—, P° P±C-P»CHCē PIPēCīPsPeC- PrPsP·Pē BĤ" PrPs PSP°PīC-PIPSPμPīCTHPēC,PsPjPSPsPiPs CīC,P°PSCr'.

PŷPsPeCīPēC±PSC-CīC,CH PīPsPIC,PsCTHPSPsPiPs PIPiPμPrPμPSPSCī

PJ PrPsCīP»C-PrP¶PμPSPSCīC... C,CTHPēPIP°P»C-CīC,CH PrPs 3 PjC-CīCīC†C-PI (PSP° PjPēCēP°C...) C- PrPs 1 CTHPsPeCī (PSP° C%Cr'CTHP°C... C,P° CīPsP±P°PeP°C...) PīPμCTHPμPIP°P¶PSPēPjPē PμC,,PμPeC,P°PjPē P±CīP»Pē PīCTHPēPiPSC-C±PμPSPSCī C†PμPSC,CTHP°P»CHPSPsC— PSPμCTHIPsPiPsC— CīPēCīC,CμPjPē (PīPēPŷ), P°PSC,PēC...PsP»C-PSPμCTHPiC-C±PSC- PμC,,PμPeC,Pē C,P° PīPμCTHPēC,,PμCTHPēC±PSC- PiPμPjP°C,PsP»PsPiC-C±PSC- CTHPsP·P»P°PrPē. PŷPīPsCīC,CμCTHC-PiP°PICīCī CTHPsP·PIPēC,PsPe C,PsP»PμCTHP°PSC,PSPsCīC,C- PrPs PīCTHPēPiPSC-C±PμPSPSCī PīPēPŷ. PμP°CTHP°PjPμC,CTHPē CTHPsCīC,Cī P±CīP»Pē P·PSPēP¶PμPSC- PīCTHPē PIPēCīPsPePēC... PrPsP·P°C... PħP±PsCTHPsC,PSC- PμC,,PμPeC,Pē, C%Ps PIC-PrPīPsPIC-PrP°P»Pē PīC-PrPIPēC%PμPSPsPjCī CTHC-PIPSCĤ PīCTHPsP»P°PeC,PēPSCr' Cr' C%Cr'CTHC-PI, PIPeP»CTHC±P°P»Pē P·PjPμPSCēPμPSPSCī PjP°CīPē CīC" C±PSPēPeC-PI C- PjP°C,PePē C,P° PjPsCTHC,,PsP»PsPiC-C±PSC- P·PjC-PSPē PIP°PīC-PSP°P»CHPSPsPiPs PμPīC-C,PμP»C-CTH C,P° PjPsP»PsC±PSPsC— P·P°P»PsP·Pē.

P°PμPjP°C,PsP»PsPiC-C±PSP° C,PsPeCīPēC±PSC-CīC,CH

P°PīP»PēPI PSP° PīPμPjP°C,PsP»PsPiC-C±PSC- PīP°CTHP°PjPμC,CTHPē P±CīP»Ps

PIPëCIIPIP»PµPSPs Cr PePsP¶PSPsPiPs PIPëPrCí, P·PsPeC¶PµPjP° P·P°P»PµP¶PSPµ PIC-Pr PrPsP·Pë P·PSPëP¶PµPSPSCII C¶C-PIPSCII C†PëC¶PeCíP»C¶PIP°P»C¶PSPëC... P»PµPNëPePsC†PëC,C-PI Cr PjPëC€PµPNë C- PSPµCÍPíPµC†PëC,,C-C†PSPµ P·PSPëP¶PµPSPSCII C¶C-PIPSCII C†PëC¶PeCíP»C¶PIP°P»C¶PSPëC... P»PµPNëPePsC†PëC,C-PI Cr C°CíC¶C-PI; PsPrPSP°Pe PrPsPeP°P·C-PI C†PëC,PsC,PsPeCÍPëC†PSPsCÍC,C- PeC-CÍC,PePsPIPsPiPs PjPsP·PeCí PSPµ PIPëCIIPIP»PµPSPs. P¶P±PsC¶PµC,PSP° PSPµPNëC,C¶PµPíPµPSC-CII, C,C¶PµPjP±PsC†PëC,PsPíPµPSC-CII P°P±Ps P°PSPµPjC-CII C¶PµP·PIPëPSCíP»P°CÍC¶ Cr PeC-P»C¶PePsC... CÍPsP±P°Pe, CIIPeC- PsC,C¶PëPjCíPIP°P»Pë 8 P°P±Ps 10 PjPi/PePi/PrPµPSC¶ (P·P°PiP°P»C¶PSP° PµPeCÍPíPsP·PëC†C-CII PsP»P°PSP·P°PíC-PSCí [PíP»PsC°P° PíC-Pr PeC¶PëPIPsC¶] Cr 12B¶“15 C¶P°P·C-PI P±C-P»C¶C€P°, PSC-P¶ Cr P»C¶PrPëPSPë, CIIPeP° PsC,C¶PëPjCíPIP°P»P° PrPsP·Cí 12 PjPi). PJ CÍPsP±P°Pe P· C†PëC,PsPíPµPSC-C”C¶ PSPµ P±CíP»Ps PíPsP±C-C†PSPëC... PµC,,PµPeC,C-PI PSP° PeP»C-C,PëPSPë-PíPsPíPµC¶PµPrPSPëPePë C,P° PíC¶PµP»C-C,,PµC¶CíPIP°P»C¶PSC- PeP»C-C,PëPSPë PI PeC-CÍC,PePsPIPsPjCí PjPsP·PeCí.

P µPíC¶PµPrCíPeC,PëPIPSP° C,PsPeCÍPëC†PSC-CÍC,C¶

P¶P»P°PSP·P°PíC-PS PSPµ PjP°PI C,PµC¶P°C,PsPiPµPSPSPsC— PrC-C—. P¶PµPrP°C†C-CII PIPíP»PëPSCíP»P° PSP° PíC¶PµPrCíPeC,PëPIPSC-CÍC,C¶ CÍPíP°C¶PµPICíPIP°PSPSCII CÍP°PjC†C-PI C°CíC¶C-PI. P”PsP·Pë 1,1 PjPi/PePi (Cr 3 C¶P°P·Pë PíPµC¶PµPIPëC°CíPIP°P»Pë PjP°PeCÍPëPjP°P»C¶PSCí PrPsP·Cí PrP»CII P»C¶PrPëPSPë) PIPíP»PëPIP°P»Pë PSP° PµCÍC,C¶P°P»C¶PSPëPNë C†PëPeP» Cr C°CíC¶C-PI, P° PrPsP·Pë 3 PjPi/PePi (PI 9 C¶P°P·C-PI PíPµC¶PµPIPëC°CíPIP°P»Pë PjP°PeCÍPëPjP°P»C¶PSCí PrPsP·Cí PrP»CII P»C¶PrPëPSPë) PIPíP»PëPIP°P»Pë PSP° PíP°C¶P°PjPµC,C¶Pë PIC-PrC,PIPsC¶PµPSPSCII. PJ PíPsC,PsPjCÍC,PIP° C°CíC¶C-PI, CIIPeC- PsC,C¶PëPjCíPIP°P»Pë PsP»P°PSP·P°PíC-PS, CÍPíPsCÍC,PµC¶C-PiP°P»PëCÍCII P·P°C,C¶PëPjPeP° PIPSCíC,C¶C-C€PSC¶PsCíC,C¶PµP±PSPsPiPs C¶PµP·PIPëC,PeCí C,P° C,PëPjC†P°CÍPsPIPµ P·PSPëP¶PµPSPSCII C¶C-PIPSCII P°PeC,PëPIPSPsCÍC,C- PíPsC,PsPjCÍC,PIP°.

P¶CíC,P°PiPµPSPSC-CÍC,C¶

P¶P»P°PSP·P°PíC-PS PSPµ P±CíPI PjCíC,P°PiPµPSPSPëPj P°P±Ps PeP»P°CÍC,PsPiPµPSPSPëPj Cr PíPsPIPsPjCí CÍPíPµPeC,C¶C- CÍC,P°PSPPrP°C¶C,PSPëC... C,PµCÍC,C-PI, CÍPµC¶PµPr CIIPePëC... C,PµCÍC,Pë PSP° P±P°PeC,PµC¶C-P°P»C¶PSCí PjCíC,P°C†C-C¶ C- C,PµCÍC,Pë *in vitro* C,P° *in vivo* PSP° CÍCÍP°PIC†CII....

P¶P°PSC†PµC¶PµPiPµPSPSC-CÍC,C¶

P¶P° PíC-PrCÍC,P°PIC- C¶PµP·CíP»C¶C,P°C,C-PI PrPsCÍP»C-PrP¶PµPSC¶ PSP° PjPëC€P°C... C- C°CíC¶P°C... P±CíP»Ps P·C¶PµP±P»PµPSPs PIPëCÍPSPsPIPsPe, C°Ps PsP»P°PSP·P°PíC-PS PSPµ C” PeP°PSC†PµC¶PµPiPµPSPSPëPj.

P¶P»C-PSC-C†PSC- C...P°C¶P°PeC,PµC¶PëCÍC,PëPePë.

PµPsPeP°P·P°PSPSCII.

P¶P»P°PSP·P°PíC-PS PíPsPeP°P·P°PSPëPNë PrP»CII P»C-PeCíPIP°PSPSCII C€PëP·PsC,,C¶PµPSC-C—.

P¶P»P°PSP·P°PíC-PS PµC,,PµPeC,PëPIPSPëPNë PrP»CII PíC-PrC,C¶PëPjP°PSPSCII PrPsCÍCIIPIPSCíC,PsPiPs PeP»C-PSC-C†PSPsPiPs PµC,,PµPeC,Cí PíC-Pr C†P°CÍ

C, C₇P₆PIP°P»PsC— C, P_μC₇P°P_iC—C— C_r P_iP°C†C—C”PSC, C—PI, C_r C₇PeP₆C...
C_rP_iPsC_rC, P_μC₇C—P_iP°P»P°C_rC₇ PIC—PrP_iPsPIC—PrC₇ PSP° P_iPsC†P°C, PePsPIC_r
C, P_μC₇P°P_iC—C₇.

P_hP»P°PSP·P°P_iC—PS P_iPsPeP°P·P°PSP₆PN₆ PrP»C₇ P»C—PeC_rPIP°PSPSC₇
P_jP°PSC—P°PeP°P»C₇HSP₆C... P_μP_iC—P·PsPrC—PI P_iPsP_jC—C₇PSP_sP_iPs C, P° C, C₇PeP₆PsP_iPs
C_rC, C_rP_iP_μPSC₇.

P_hP»P°PSP·P°P_iC—PS P_iPsPeP°P·P°PSP₆PN₆ PrP»C₇ P_iC₇PsC,,C—P»P°PeC, P₆PeP₆
P_iPsPIC, PsC₇PSP₆C... PSP°P_iP°PrC—PI C_r P_iP°C†C—C”PSC, C—PI P· P±C—P_iPsP»C₇C₇PSP₆P_jP₆
C₇PsP·P»P°PrP°P_jP₆, C_r C₇PeP₆C... P±C_rP»Ps PsC, C₇P₆P_jP°PSP_s P_iPsP·P₆C, P₆PIPSC_r
PIC—PrP_iPsPIC—PrC₇ P_iC₇P₆ P»C—PeC_rPIP°PSPSC— PsP»P°PSP·P°P_iC—PSP_sP_j P_jP°PSC—C—.

P_μC₇PsC, P₆P_iPsPeP°P·P°PSPSC₇.

P_μC—PrPIP₆C%P_μPSP° C†C_rC, P»P₆PIC—C_rC, C₇ PrPs PrC—C₇C†PsC— C₇P_μC†PsPIP₆PSP₆ P°P±Ps
PrPs PrPsP_iPsP_jC—P₇PSP₆C... PePsP_jP_iPsPSP_μPSC, C—PI P»C—PeP°C₇C_rC₇PePsP_iPs P·P°C_rPsP±C_r;
PIC—PrPsP_jP₆PN₆ C₇P₆P·P₆Pe P·P°PeC₇P₆C, PsPeC_rC, PsPIP_sC— P_iP»P°C_rPePsP_jP₆.

***P·P·P°C”P_jPsPrC—C₇ P· C—PSC€P₆P_jP₆ P»C—PeP°C₇C_rC₇PeP₆P_jP₆ P·P°C_rPsP±P°P_jP₆ C, P°
C—PSC€C— PIP₆PrP₆ PIP·P°C”P_jPsPrC—PN₆.***

P”PsC_rP»C—PrP₇P_μPSPSC₇ PIP·P°C”P_jPsPrC—C— P· C—PSC€P₆P_jP₆ P»C—PeP°C₇C_rC₇PeP₆P_jP₆
P·P°C_rPsP±P°P_jP₆ P_iC₇PsPIP_sPrP₆P»P₆ C, C—P»C₇PeP₆ P· C_rC†P°C_rC, C₇ PrPsC₇PsC_rP»P₆C....

P P_μC†PsPIP₆PSP₆, C%Ps P_iPsC, P_μPSC†C—PN₆PSP_s PIP_iP»P₆PIP°C₇C, C₇ PSP°
PsP»P°PSP·P°P_iC—PS.

P_hC_rPeC—P»C₇PeP₆ PsP»P°PSP·P°P_iC—PS P_jP_μC, P°P±PsP»C—P·C_rC”C, C₇C_rC₇
C—P·PsC,, P_μC₇P_jP_μPSC, PsP_j CYP1A2, C₇P_μC†PsPIP₆PSP₆, C₇PeC— C_rP_iP_μC†P₆C,, C—C†PSP_s
C—PSP_rC_rPeC_rC₇C, C₇C_rC₇ P°P±Ps C—PSP_iC—P±C_rC₇C, C₇C_rC₇ C†P₆P_j
C—P·PsC,, P_μC₇P_jP_μPSC, PsP_j, P_jPsP₇C_rC, C₇ PIP_iP»P₆PIP°C, P₆ PSP°
C,, P°C₇P_jP°PePsPeC—PSP_μC, P₆PeC_r PsP»P°PSP·P°P_iC—PSC_r.

P†PSP_rC_rPeC, PsC₇P₆ CYP1A2.

P_hP_μC, P°P±PsP»C—P·P_j PsP»P°PSP·P°P_iC—PSC_r P_jPsP₇P_μ P±C_rC, P₆ C—PSP_rC_rPePsPIP°PSP₆PN₆
P_iP°P»C—PSPSC₇P_j C, P° P·P°C_rC, PsC_rC_rPIP°PSPSC₇P_j PeP°C₇P±P°P_jP°P·P_μP_iC—PSC_r,
C₇PeP₆PN₆ P_iC₇P₆P·PIP_sPrP₆C, C₇ PrPs P·PSP₆P₇P_μPSPSC₇ PePsPSC†P_μPSC, C₇P°C†C—
PsP»P°PSP·P°P_iC—PSC_r. P₇P_iPsC_rC, P_μC₇C—P_iP°P»PsC_rC₇ C_rP»P°P±PeP_μ P°P±Ps
P_iPsP_jC—C₇PSP_μ P_iC—PrPIP₆C%P_μPSPSC₇ PeP»C—C₇P_μPSC_rC_r PsP»P°PSP·P°P_iC—PSC_r.
P_hP»C—PSC—C†PSC— PIP₆C_rPSP_sPIP₆PeP₆ PsP±P_jP_μP₇P_μPSC—, P°P»P_μ
C₇P_μPePsP_jP_μPSP_rC_rC”C, C₇C_rC₇ PeP»C—PSC—C†PSP₆PN₆ P_jPsPSC—C, PsC₇P₆PSP_i C, P°,
C₇PeC%Ps PSP_μPsP±C...C—PrPSP_s, P·P±C—P»C₇C€P_μPSPSC₇ PrPsP·P₆ PsP»P°PSP·P°P_iC—PSC_r
(PrP₆PI. C₇PsP·PrC—P» B«P₇P_iPsC_rC—P± P·P°C_rC, PsC_rC_rPIP°PSPSC₇ C, P° PrPsP·P₆).

P†PSP_iC—P±C—C, PsC₇P₆ CYP1A2.

P_hP»C_rPsPeC_rP°P_jC—PS, C_rP_iP_μC†P₆C,, C—C†PSP₆PN₆ C—PSP_iC—P±C—C, PsC₇ CYP1A2,

C-CÍC,PsC,PSPs P·PSPëP¶CÍC” PjPµC,P°P±PsP»C-P·Pj PsP»P°PSP·P°PíC-PSCr. PíPµ
PíC¶PëP·PIPPrPëC,CH PrPs CÍPµC¶PµPrPSC¶PsPiPs P·C¶PsCÍC,P°PSPSC¶ PŸ_{max} PíC-CÍP»C¶
PíC¶PëP¶PµPjCÍ C,,P»CÍPsPeCÍP°PjC-PSCr PSP° 54 % CÍ P¶C-PSPsPe, C¶PeC- PSPµ
PíP°P»C¶C,CH, C,P° PSP° 77 % CÍ C¶PsP»PsPIC-PeC-PI, C¶PeC- PíP°P»C¶C,CH.
PŸPµC¶PµPrPSC” P·C¶PsCÍC,P°PSPSC¶ AUC PsP»P°PSP·P°PíC-PSCr CÍC,P°PSPsPIPëC,CH 52 %
C,P° 108 % PIC-PrPíPsPIC-PrPSPs. P”P»C¶ PíP°C†C-C”PSC,C-PI, C¶PeC-
P·P°CÍC,PsCÍPsPICr¶C,CH C,,P»CÍPsPeCÍP°PjC-PS P°P±Ps P±CÍPrCH-C¶PeC- C-PSC€C-
C-PSPiC-P±C-C,PsC¶Pë CYP1A2, PSP°PíC¶PëPeP»P°Pr C†PëPíC¶PsC,,P»PsPeCÍP°C†PëPS,
PSPµPsP±C...C-PrPSPs PíC¶PëP·PSP°C†P°C,Pë P·PSPëP¶PµPSC- PrPsP·Pë PsP»P°PSP·P°PíC-PSCr.
PíPµPsP±C...C-PrPSPs C¶PsP·PiP»C¶PSCrC,Pë PjPsP¶P»PëPIC-CÍC,CH P·PSPëP¶PµPSPSC¶
PrPsP·Pë PsP»P°PSP·P°PíC-PSCr, C¶PeC%Ps C-PSC-C†C-PµPsPIP°PSPs P»C-PeCÍPIP°PSPSC¶
C-PSPiC-P±C-C,PsC¶PsPj CYP1A2.

P—PjPµPSC€PµPSPSC¶ P±C-PsPrPsCÍC,CrPíPSPsCÍC,C-.

P¶PeC,PëPIPsPIP°PSPµ PICrPíC-P»P»C¶ P·PSPëP¶CÍPIP°P»Ps PíPµC¶PsC¶P°P»CHPSCr
P±C-PsPrPsCÍC,CrPíPSC-CÍC,CH PsP»P°PSP·P°PíC-PSCr PSP° 50в¶“60 % в¶” PµPsPiPs
CÍP»C-Pr P·P°CÍC,PsCÍPsPICrPIP°C,Pë P·P° 2 PiPsPrPëPSPë PrPs PíC¶PëP¶PµPjCÍ P°P±Ps
C¶PµC¶PµP· 2 PiPsPrPëPSPë PíC-CÍP»C¶ PíC¶PëP¶PµPjCÍ PsP»P°PSP·P°PíC-PSCr.

P¶P»CÍPsPeCÍPµC,PëPS (C-PSPiC-P±C-C,PsC¶ CYP2D6), C¶P°P·PsPIP° PrPsP·P°
P°PSC,P°C†PëPrC-PI, C%Ps PjC-CÍC,C¶C,CH P°P»C¶PjC-PSC-Pµ C,P° PjP°PiPSC-Pµ, P°P±Ps
C†PëPjPµC,PëPrPëPS, C-CÍC,PsC,PSPs PSPµ PíP»PëPIP°P»Pë PSP°
C,,P°C¶PjP°PePsPeC-PSPµC,PëPeCÍ PsP»P°PSP·P°PíC-PSCr.

P’PíP»PëPI PsP»P°PSP·P°PíC-PSCr PSP° C-PSC€C- P»C-PeP°C¶CÍCHPeC- P·P°CÍPsP±Pë.

P¶P»P°PSP·P°PíC-PS PjPsP¶Pµ PíC¶PsC¶PIP»C¶C,Pë P°PSC,P°PiPsPSC-P·Pj PrPs PµC,,PµPeC,C-PI
PíC¶C¶PjPëC... C,P° PSPµPíC¶C¶PjPëC... P°PiPsPSC-CÍC,C-PI PrPsPíP°PjC-PSCr.

P¶P»P°PSP·P°PíC-PS PSPµ PíC¶PëPiPSC-C¶CÍPIP°PI PsCÍPSPsPIPSC- C-P·PsC,,PµC¶PjPµPSC,Pë
CYP 450 (PSP°PíC¶PëPeP»P°Pr, 1A2, 2D6, 2C9, 2C19, 3A4) *in vitro*. PŸP°PePëPj C¶PëPSPsPj, PSPµ
PsC¶C-PeCÍC”C,CHCÍC¶ PSC-C¶PePëC... PsCÍPsP±P»PëPIPëC... PIP·P°C”PjPsPrC-Pµ, C%Ps
PíC-PrC,PIPµC¶PrP¶PµPSPs CÍ PrPsCÍP»C-PrP¶PµPSPSC¶C... *in vivo*, PrPµ PSPµ
PIC-PrP·PSP°C†P°P»PsCÍCH C-PSPiC-P±CÍPIP°PSPSC¶ PjPµC,P°P±PsP»C-P·PjCÍ
PsP»P°PSP·P°PíC-PSCr PíC¶Pë P·P°CÍC,PsCÍCÍPIP°PSPSC- C,P°PePëC... P°PeC,PëPIPSPëC...
C¶PµC¶PsPIPëPS: C,C¶PëC†PëPeP»C-C¶PSPëC... P°PSC,PëPrPµPíC¶PµCÍP°PSC,C-PI
(PiPsP»PsPIPSPëPj C¶PëPSPsPj PíC¶PµPrCÍC,P°PIP»PµPSC- C-P·PsC,,PµC¶PjPµPSC,PsPj CYP2D6),
PIP°C¶C,,P°C¶PëPSCr (CYP2C9), C,PµPsC,,C-P»C-PSCr (CYP 1A2) P°P±Ps PrC-P°P·PµPíP°PjCÍ
(CYP 3P¶4 C,P° 2PŸ19).

PíPµ P±CÍP»Ps PIC-PrP·PSP°C¶PµPSPs PIP·P°C”PjPsPrC-C— PsP»P°PSP·P°PíC-PSCr PíC¶Pë
PíC¶PëP·PSP°C¶PµPSPSC- B P· P»C-C,C-C”Pj P°P±Ps P±C-PíPµC¶PëPrPµPSPsPj.

PŸPµC¶P°PíPµPIC,PëC¶PSPëPµ PjPsPSC-C,PsC¶PëPSPi C¶C-PIPSC-PI PIP°P»CHPíC¶PsP°C,CÍ
CÍ PíP»P°P·PjC- PeC¶PsPIC- PSPµ PíPëC¶PIPëPI PSPµPsP±C...C-PrPSPsCÍC,C-
PePsC¶PµPeC†C-C— PrPsP·Pë PIP°P»CHPíC¶PsP°C,CÍ PíC¶Pë CÍCÍPíCÍC,PSCHPsPjCÍ
PíC¶PëP·PSP°C¶PµPSPSC- P· PsP»P°PSP·P°PíC-PSPsPj.

P—P°PíP°P»CHPSP° P°PeC,PëPIPSC-CÍC,CH C%PsPrPs PíPíPŸ

P— PsP±PµC¶PµP¶PSC-CÍC,C¶ CÍP»C-Pr P·P°CÍC,PsCÍPsPICrPIP°C,Pë PsP»P°PSP·P°PíC-PS

PiP°C†C-C" PSC, P°Pj, CIPeC- PiCtjPëPNëPjP°CtC, Ch PµC, P°PSPsP» P°P±Ps
P»C-PeP°CtjC†CtjPeC- P·P°C†PsP±Pë, C%°Ps PjPsP¶C†C, Ch C†PiCtjPëC†PëPSPëC, Pë
PiCtjPëPiPSC-C†PµPSPSC† C†PµPSC, CtjP°P»ChPSPsC— PSPµCtjPIPsPIPsC— C†PëC†C, PµPjPë
(PjPkPÝ).

PÝC†PiC†C, PSC" P·P°C†C, PsC†C†PIP°PSPSC† PsP»P°PSP·P°PiC-PSC† P·
P°PSC, PëPiP°CtjPeC-PSC†PsPSC-C†PSPëPjPë PiCtjPµPiP°CtjP°C, P°PjPë PiP°C†C-C" PSC, P°Pj C-P·
C...PIPsCtjPsP±PsCt PµP°CtjPeC-PSC†PsPSP° C, P° PrPµPjPµPSC†C-C" Ctj PSPµ
CtjPµPePsPjPµPSP†C†C, ChC†C†C† (PrPëPI. CtjPsP·PrC-P» B«PhC†PsP±P»PëPIPsC†C, C-
P·P°C†C, PsC†C†PIP°PSPSC†).

P†PSC, PµCtjPIP°P» QTC†.

PÝP»C-Pr P· PsP±PµCtjPµP¶PSC-C†C, Ch PiCtjPëP·PSP°C†P°C, Pë PsP»P°PSP·P°PiC-PS P·
C-PSCëPëPjPë PiCtjPµPiP°CtjP°C, P°PjPë, CIPeC- PjPsP¶C†C, Ch PiC-PrPIPëC%°C†PIP°C, Pë
C-PSC, PµCtjPIP°P» QTC† (PrPëPI. CtjPsP·PrC-P» B«PhC†PsP±P»PëPIPsC†C, C-
P·P°C†C, PsC†C†PIP°PSPSC†).

P†PSPiC-P±C-C, PsCtjPë CYP 2D6. PαP»C†PsPeC†PµC, PëPS (60 PjPi PSP° PsPrPëPS
PiCtjPëPNëPsPj P°P±Ps 60 PjPi C%°PsPrPµPSPSPs PiCtjPsC, CIPiPsPj 8 PrPSC-PI)
C†PiCtjPëC†PëPSC†C" C†PµCtjPµPrPSC" P·CtjPsC†C, P°PSPSC†
PjP°PeC†PëPjP°P»ChPSPsC— PePsPSC†PµPSC, CtjP°C†C-Ctj PsP»P°PSP·P°PiC-PSC† PSP°
16 % C, P° C†PµCtjPµPrPSC" P·PSPëP¶PµPSPSC† PeP»C-CtjPµPSC†C†
PsP»P°PSP·P°PiC-PSC† PSP° 16 %. P—PSP°C†PµPSPSC† PIPiP»PëPIC† C†PëC...
C,, P°PeC, PsCtjC-PI PjP°P»Pµ PiPsCtjC-PIPsC†PSPs C-P· PIC-PrPjC-PSPSC-C†C, Ch
C†PëC... PiPsPeP°P·PSPëPeC-PI C† CtjC-P·PSPëC... PsC†C-P±, C, PsPjC† P·PjC-PSPë
PrPsP·C†PIP°PSPSC† P·P°P·PIPëC†P°PNë PSPµ CtjPµPePsPjPµPSP†PsPIP°PSC-.

P—PrP°C, PSC-C†C, Ch PsP»P°PSP·P°PiC-PSC† PIP·P°C" PjPsPrC-C†C, Pë P· C-PSCëPëPjPë
P»C-PeP°CtjC†CtjPePëPjPë P·P°C†PsP±P°PjPë.

PhPSC, PëPiC-PiPµCtjC, PµPSP·PëPIPsC- P·P°C†PsP±Pë. PhP»P°PSP·P°PiC-PS C†PµCtjPµP·
PiPsC, PµPSC†C-PNëPSC† P·PrP°C, PSC-C†C, Ch P·PSPëP¶C†PIP°C, Pë
P°CtjC, PµCtjC-P°P»ChPSPëPNë C, PëC†PeB PjPsP¶Pµ PiPsC†PëP»CtjPIP°C, Pë
PµC,, PµPeC, Pë PiPµPIPsPëC... P°PSC, PëPiC-PiPµCtjC, PµPSP·PëPIPsPëC...
P·P°C†PsP±C-PI.

P»PµPIPsPrPsPiP° C, P° P°PiPsPSC-C†C, Pë PrPsPiP°PjC-PSC†. PhP»P°PSP·P°PiC-PS PjPsP¶Pµ
PiCtjPsC†PIP»C†C, Pë P°PSC, P°PiPsPSC-P·Pj PrPs PµC,, PµPeC, C-PI P»PµPIPsPrPsPiPë
C, P° P°PiPsPSC-C†C, C-PI PrPsPiP°PjC-PSC†.

P†PjC-PiCtjP°PjC-PS. P P°P·PsPIC- PrPsP·Pë PsP»P°PSP·P°PiC-PSC† PSPµ
PIPiP»PëPIP°CtjC, Ch PSP° C,, P°CtjPjP°PePsPeC-PSPµC, PëPeC† C-PjC-PiCtjP°PjC-PSC†
P°P±Ps PNëPsPiPs P°PeC, PëPIPsPëPNë PjPµC, P°P±PsP»C-C, PrPµP·PëPiCtjP°PjC-PS.

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

PµC-Pr C†P°C† P»C-PeC†PIP°PSPSC† P°PSC, PëPiC†PëC...PsC, PëC†PSPëPjPë P·P°C†PsP±P°PjPë
PiPsP»C-PiCëPµPSPSC† PeP»C-PSC-C†PSPsPiPs C†C, P°PSC† PiP°C†C-C" PSC, P° PjPsP¶Pµ

P·P°PNₑPSCЦC, Pë PIC-Pr PeC-P»CHPePsC... PrPSC-PI PrPs PrPµPeC-P»CHPePsC...
C, PëP¶PSC-PI. PµCḡPsC, CЦPiPsPj C†CHPsPiPs PiPµCḡC-PsPrCḡ PSPµPsP±C...C-PrPSPëPNₑ
CḡPµC, PµP»CHPSPëPNₑ PjPsPSC-C, PsCḡPëPSPi PiP°C†C-C" PSC, C-PI.

*PµCḡPëC...PsP·, PiPsPIBḡ™ CЦP·P°PSPëPNₑ P· PrPµPjPµPSC†C-C" Cḡ C, P°/P°P±Ps
CḡPsP·P»P°PrP°PjPë PiPsPIPµPrC-PSPePë.*

PḡP»P°PSP·P°PiC-PS PSPµ PiCḡPëP·PSP°C†PµPSPëPNₑ PrP»CЦ P»C-PeCḡPIP°PSPSCЦ
PiCḡPëC...PsP·C-PI, PiPsPIBḡ™ CЦP·P°PSPëC... P· PrPµPjPµPSC†C-C" Cḡ C, P°/P°P±Ps
PiPsCḡCḡCεPµPSPSCЦPj PiPsPIPµPrC-PSPePë, P° C, P°PePsP¶ PSPµ
CḡPµPePsPjPµPSPPrCḡC, CHCḡCЦ PrP»CЦ P·P°CḡC, PsCḡCḡPIP°PSPSCЦ PrP°PSPëPj
PiP°C†C-C" PSC, P°Pj Cḡ P·PIBḡ™ CЦP·PeCḡ P· PiC-PrPIPëC%oPµPSPSCЦPj
P»PµC, P°P»CHPSPsCḡC, C- C, P° CḡPëP·PëPeCḡ C†PµCḡPµP±CḡPsPIP°CḡPeCḡP»CЦCḡPSPëC...
PIPëPiP°PrPeC-PI. Pj C...PsPrC- PiP»P°C†PµP±Ps-PePsPSC, CḡPsP»CHPsPIP°PSPëC...
PeP»C-PSC-C†PSPëC... PrPsCḡP»C-PrP¶PµPSCḡ (C, CḡPëPIP°P»C-CḡC, Cḡ 6 Bḡ 12
C, PëP¶PSC-PI) P· CḡC†P°CḡC, Cḡ PiP°C†C-C" PSC, C-PI P»C-C, PSCḡPsPiPs PIC-PeCḡ
(CḡPµCḡPµPrPSC-PNₑ PIC-Pe 78 CḡPsPeC-PI), CЦPeC- CḡC, CḡP°P¶PrP°CḡC, CH PSP°
PiCḡPëC...PsP·Pë, PiPsPIBḡ™ CЦP·P°PSC- P· PrPµPjPµPSC†C-C" Cḡ C, P°/P°P±Ps
PiPsCḡCḡCεPµPSPSCЦPj PiPsPIPµPrC-PSPePë, PeC-P»CHPeC-CḡC, CH P»PµC, P°P»CHPSPëC...
PIPëPiP°PrPeC-PI P±CḡP»P° Cḡ 2 CḡP°P·Pë PIPëC%oP° Cḡ PiP°C†C-C" PSC, C-PI, CЦPeC-
PiCḡPëPNₑPjP°P»Pë PsP»P°PSP·P°PiC-PS, PiPsCḡC-PIPSCЦPSPs P· PiP»P°C†PµP±Ps (3,5 %
PiCḡPsC, Pë 1,5 % PIC-PrPiPsPIC-PrPSPs). P'PëCḡPsPeP° P»PµC, P°P»CHPSC-CḡC, CH PSPµ
P±CḡP»P° PiPsPIBḡ™ CЦP·P°PSP° P· PIPµP»PëC†PëPSPsCḡ P·P°CḡC, PsCḡPsPICḡPIP°PSPëC...
PrPsP· PsP»P°PSP·P°PiC-PSCḡ (CḡPµCḡPµPrPSCЦ PrPsP±PsPIP° PrPsP·P° CḡC, P°PSPsPIPëC, CH
4,4 PjPi) P°P±Ps P· C, CḡPëPIP°P»C-CḡC, Cḡ P»C-PeCḡPIP°PSPSCЦ. PαP°PeC, PsCḡPë
CḡPëP·PëPeCḡ PiC-PrPIPëC%oPµPSPSCЦ P»PµC, P°P»CHPSPsCḡC, C- PIPeP»CḡC†P°CḡC, CH
PIC-Pe PIC-Pr 65 CḡPsPeC-PI, PrPëCḡC,, P°PiC-Cḡ, P·P°CḡPiPsPePsC" PSPSCЦ,
PSPµPrPsC—PrP°PSPSCЦ C, P° P·PSPµPIPsPrPSPµPSPSCЦ, P»PµPiPµPSPµPIC- CḡC, P°PSPë
(PiPSPµPIPjPsPSC-CЦ, P· P°CḡPiC-CḡP°C†C-C" Cḡ P°P±Ps P±PµP·), CḡCḡPiCḡC, PSC"
P·P°CḡC, PsCḡCḡPIP°PSPSCЦ P±PµPSP·PsPrC-P°P·PµPiC-PSC-PI. PµCḡPsC, Pµ
P»PµC, P°P»CHPSC-CḡC, CH P±CḡP»P° PIPëC%oPsCḡ PiCḡPë C, PµCḡP°PiC-C—
PsP»P°PSP·P°PiC-PSPsPj, PSC-P¶ PiCḡPë PiCḡPëPNₑPsPjC- PiP»P°C†PµP±Ps,
PSPµP·P°P»PµP¶PSPs PIC-Pr C,, P°PeC, PsCḡC-PI CḡPëP·PëPeCḡ.

Pj C...PsPrC- PeP»C-PSC-C†PSPëC... PrPsCḡP»C-PrP¶PµPSCḡ CḡPiPsCḡC, PµCḡC-PiP°P»PëCḡCЦ
PIPëPiP°PrPePë C†PµCḡPµP±CḡPsPIP°CḡPeCḡP»CЦCḡPSPëC... PiPsP±C-C†PSPëC...
CḡPµP°PeC†C-PNₑ (C-PSCḡCḡP»CHC,, C, CḡP°PSP·PëC, PsCḡPSPëPNₑ C-CεPµPjC-C†PSPëPNₑ
C-PSCḡCḡP»CHC,), Cḡ C, PsPjCḡ C†PëCḡP»C- P· P»PµC, P°P»CHPSPëPj PSP°CḡP»C-PrPePsPj.
PḡC-P»CHPeC-CḡC, CH C†PµCḡPµP±CḡPsPIP°CḡPeCḡP»CЦCḡPSPëC... PiPsP±C-C†PSPëC...
CḡPµP°PeC†C-PNₑ P±CḡP»P° Cḡ 3 CḡP°P·Pë PIPëC%oP° Cḡ PiP°C†C-C" PSC, C-PI, CЦPeC-
PiCḡPëPNₑPjP°P»Pë PsP»P°PSP·P°PiC-PS, PiPsCḡC-PIPSCЦPSPs P· PiP»P°C†PµP±Ps (1,3 %
PiCḡPsC, Pë 0,4 %). PjCḡC- PiP°C†C-C" PSC, Pë, CЦPeC- PiCḡPëPNₑPjP°P»Pë PsP»P°PSP·P°PiC-PS
P°P±Ps PiP»P°C†PµP±Ps C- Cḡ CЦPePëC... CḡPiPsCḡC, PµCḡC-PiP°P»PëCḡCЦ
C†PµCḡPµP±CḡPsPIP°CḡPeCḡP»CЦCḡPSC- PiPsP±C-C†PSC- CḡPµP°PeC†C-C—, PjP°P»Pë
C,, P°PeC, PsCḡPë CḡPëP·PëPeCḡ. P'C-Pe PIC-Pr 75 CḡPsPeC-PI C, P°
CḡCḡPrPëPSPSPëPNₑ/P·PjC-CεP°PSPëPNₑ C, PëPi PrPµPjPµPSC†C-C— P±CḡP»Pë
C-PrPµPSC, PëC,, C-PePsPIP°PSC- CЦPe C,, P°PeC, PsCḡPë CḡPëP·PëPeCḡ
C†PµCḡPµP±CḡPsPIP°CḡPeCḡP»CЦCḡPSPëC... PiPsP±C-C†PSPëC... CḡPµP°PeC†C-PNₑ PiCḡPë
C, PµCḡP°PiC-C— PsP»P°PSP·P°PiC-PSPsPj. P·C,, PµPeC, PëPIPSC-CḡC, CH PsP»P°PSP·P°PiC-PSCḡ
PSPµ P±CḡP»P° PICḡC, P°PSPsPIP»PµPSP° Cḡ C...PsPrC- PrP°PSPëC... PrPsCḡP»C-PrP¶PµPSCḡ.

PÍPIPsCĤPsP±P° PμP°CĤPeC-PSCÍPsPSP° . PkPμ CĤPμPePsPjPμPSPPrPsPIP°PSPs
P·P°CÍC,PsCÍCrPIP°PSPSCĬ PsP»P°PSP·P°PiC-PSCr Cr C,PμCĤP°PiC-C— PiCÍPëC...PsP·C-PI,
C%Ps P°CÍPsC†C-PNëPsPIP°PSC- P· P°PiPsPSC-CÍC,P°PjPë PrPsPiP°PjC-PSCr. PkPμ
CĤPμPePsPjPμPSPPrPsPIP°PSPμ CÍCrPiC†C,PSC” P·P°CÍC,PsCÍCrPIP°PSPSCĬ
PsP»P°PSP·P°PiC-PSCr C,P° PiCĤPsC,PëPiP°CĤPeC-PSCÍPsPSC-C±PSPëC...
P»C-PeP°CĤCÍCHPePëC... P·P°CÍPsP±C-PI PiP°C†C-C”PSC,P°Pj C-P· C...PIPsCĤPsP±PsCĤ
PμP°CĤPeC-PSCÍPsPSP° C,P° PrPμPjPμPSC†C-C”CĤ. PJ C...PsPrC- PeP»C-PSC-C±PSPëC...
PrPsCÍP»C-PrP¶PμPSCĤ PrC†P¶Pμ C±P°CÍC,Ps CÍPiPsCÍC,PμCĤC-PiP°P»PsCÍCĬ
PiPsPiC-CĤC€PμPSPSCĬ CÍPëPjPiC,PsPjP°C,PëPePë C...PIPsCĤPsP±Pë PμP°CĤPeC-PSCÍPsPSP°
C,P° PiP°P»CĤC†PëPSP°C†C-PNë, C±P°CÍC,C-C€Pμ, PSC-P¶ PiCĤPë PiCĤPëPNëPsPjC-
PiP°P°C†PμP±Ps; PiCĤPë P»C-PeC†PIP°PSPSC- PiCÍPëC...PsC,PëC±PSPëC... CÍPëPjPiC,PsPjC-PI
C,PμCĤP°PiC-CĬ PsP»P°PSP·P°PiC-PSPsPj PSPμ P±C†P»P° P±C-P»CHC€
PμC,,PμPeC,PëPIPsPsCĤ PiPsCĤC-PIPsCĬPSPs C-P· P·P°CÍC,PsCÍCrPIP°PSPSCĬPj
B PiP°P°C†PμP±Ps. P— CÍP°PjPsPiPs PiPsC±P°C,PeC† C†PëC... PrPsCÍP»C-PrP¶PμPSCĤ PIC-Pr
PiP°C†C-C”PSC,C-PI PiPëPjP°PiP°P»PsCÍCĬ PiPsCÍC,C-PNëPSPμ P·P°CÍC,PsCÍPsPIC†PIP°PSPSCĬ
PSP°PNëPjPμPSC€PsC— PμC,,PμPeC,PëPIPsPsC— PrPsP·Pë
P°PSC,PëPiP°CĤPeC-PSCÍPsPSC-C±PSPëC... P»C-PeP°CĤCÍCHPePëC... P·P°CÍPsP±C-PI
(P°PiPsPSC-CÍC,C-PI PrPsPiP°PjC-PSCr), P° C,P°PePsP¶ P·P°CÍC,PsCÍPsPIC†PIP°PSPSCĬ
C,PëC... CÍP°PjPëC... P°PSC,PëPiP°CĤPeC-PSCÍPsPSC-C±PSPëC... P»C-PeP°CĤCÍCHPePëC...
P·P°CÍPsP±C-PI C- PrPsP· PiCĤPsC,CĬPiPsPj CrCÍCHPsPiPs PrPsCÍP»C-PrP¶PμPSPSCĬ.
PÿPμCĤP°PiC-CĤ PsP»P°PSP·P°PiC-PSPsPj P±C†P»Ps CĤPsP·PiPsC±P°C,Ps P· PrPsP·Pë 2,5
PjPi/PrPsP±C†, CĬPeC† P·P±C-P»CHC€C†PIP°P»Pë C€P»CĬC...PsPj C,PëC,CĤC†PIP°PSPSCĬ PrPs
PjP°PeCÍPëPjP°P»CHPSPsPiPs PiPsPeP°P·PSPëPeP° 15 PjPi/PrPsP±C†.

PkPμPNëCĤPsP»PμPiC,PëC±PSPëPNë P·P»PsCĬPeC-CÍPSPëPNë CÍPëPSPPrCĤPsPj.
PkPμPNëCĤPsP»PμPiC,PëC±PSPëPNë P·P»PsCĬPeC-CÍPSPëPNë CÍPëPSPPrCĤPsPj (PkP—Pÿ) BĤ“
C†Pμ PiPsC,PμPSC†C-PNëPSPs P»PμC,P°P»CHPSPëPNë CÍPëPjPiC,PsPjPsPePsPjPiP»PμPeCÍ,
PiPsPiBĤ™ CĬP·P°PSPëPNë P· P°PSC,PëPiCÍPëC...PsC,PëC±PSPëPjPë PiCĤPμPiP°CĤP°C,P°PjPë.
P C-PrPePs PiPsPIC-PrPsPjP»CĬP»PsCÍCĬ PiCĤPs PiPëPiP°PrPePë PkP—Pÿ PiCĤPë
P·P°CÍC,PsCÍCrPIP°PSPSC- PsP»P°PSP·P°PiC-PSCr. PĥP»C-PSC-C±PSPëPjPë PiCĤPsCĬPIP°PjPë
PkP—Pÿ C” PiC-PiPμCĤPiC-CĤPμPeCÍC-CĬ, PjBĤ™ CĬP·PsPIP° CĤPëPiC-PrPSC-CÍC,CH,
PIC,CĤP°C,P° CÍPIC-PrPsPjPsCÍC,C- C,P° CÍPëPjPiC,PsPjPë CÍPμCĤC†PμPIPsC—
PSPμCÍC,P°P±C-P»CHPSPsCÍC,C- (PSPμCĤPμPiC†P»CĬCĤPSC- PiC†P»CHCÍ P°P±Ps
P·PjC-PSP° P°CĤC,PμCĤC-P°P»CHPSPsPiPs C,PëCÍPeC†, C,P°C...C-PeP°CĤPrC-CĬ,
PiC-PrPIPëC%PμPSPμ PiPsC,PsPIPëPrC-P»PμPSPSCĬ C,P° CÍPμCĤC†PμPiP° P°CĤPëC,PjC-CĬ).
P”PsPrP°C,PePsPIC- PsP·PSP°PePë PjPsP¶C†C,CH PiPeP»CĤC±P°C,Pë PiC-PrPIPëC%PμPSPëPNë
CĤC-PIPμPSCĤ PeCĤPμP°C,PëPSC-PSC,,PsCÍC,,PsPeC-PSP°P·Pë, PjC-PsPiP»PsP±C-PSCrCĤC-CĤ
(CĤP°P±PrPsPjC-PsP»C-P·) C,P° PiPsCÍC,CĤCr PSPëCĤPePsPIC†
PSPμPrPsCÍC,P°C,PSC-CÍC,CH. PĥP»C-PSC-C±PSPëPNë PiCĤPsCĬPI PkP—Pÿ P°P±Ps
PSP°CĬPIPSC-CÍC,CH PiC-PiPμCĤC,PμCĤPjC-C— P±PμP· PeP»C-PSC-C±PSPsPiPs
PiCĤPsCĬPIC† PkP—Pÿ PiPsC,CĤPμP±C†C” PSPμPiP°PNëPSPsC— PIC-PrPjC-PSPë PICÍC-C...
P°PSC,PëPiCÍPëC...PsC,PëC±PSPëC... P·P°CÍPsP±C-PI, PiPeP»CĤC±P°CĤC±Pë
PsP»P°PSP·P°PiC-PS.B B

P”C-PiPμCĤPiP»C-PePμPjC-CĬ C- C†CzPeCĤPsPIPëPNë PrC-P°P±PμC,, PkPμC±P°CÍC,Ps
PiPsPIC-PrPsPjP»CĬP»PsCÍCĬ PiCĤPs PiC-PiPμCĤPiP»C-PePμPjC-CĤ C,P° CĤPsP·PiPëC,PsPe
C†C†PeCĤPsPiPsPiPs PrC-P°P±PμC,C† P°P±Ps PiPsPiC-CĤC€PμPSPSCĬ PiPμCĤPμP±C-PiC†
PIP¶Pμ PSP°CĬPIPSPsPiPs C†C†PeCĤPsPiPsPiPs PrC-P°P±PμC,C†, P°CÍPsC†C-PNëPsPIP°PSPsPiPs
P· PePμC,PsP°C†PëPrPsP·PsPj P°P±Ps PrC-P°P±PμC,PëC±PSPsCĤ PePsPjPsCĤ, P° C,P°PePsP¶
PiCĤPs P»PμC,P°P»CHPSC- PiPëPiP°PrPePë. P†PSPsPrC- PiPsPIC-PrPsPjP»CĬP»PsCÍCĬ PiCĤPs
PiPsPiPμCĤPμPrPSC” PiC-PrPIPëC%PμPSPSCĬ PjP°CÍPë C,C-P»P°, C%Ps PjPsPiP»Ps P±C†C,Pë

C,,P°PeC,PsCḥPsPj CḥPëP·PëPeCf.

P PµPePsPjPµPSPPrPsPIP°PSPs PiCḥPsPIPPrPëC,Pë PIC-PrPiPsPIC-PrPSPëPNë
PeP»C-PSC-CḥPSPëPNë PjPsPSC-C,PsCḥPëPSPi PiP°CḥC-C''PSC,C-PI P· CḥCfPeCḥPsPIPëPj
PrC-P°P±PµC,PsPj C,P° PiP°CḥC-C''PSC,C-PI P· C,,P°PeC,PsCḥP°PjPë CḥPëP·PëPeCf
CḥPsP·PIPëC,PeCf CḥCfPeCḥPsPIPPrPs PrC-P°P±PµC,Cf, P·PsPeCḥPµPjP°
PIPëPjC-CḥCḥPIP°C,Pë CḥC-PIPµPSCḥ PiP»CḥPePsP·Pë PI PeCḥPsPIC- PSP° PiPsCḥP°C,PeCf
P»C-PeCfPIP°PSPSCḥ, CḥPµCḥPµP· 12 C,PëPḥPSC-PI, P° C,P°PePsPḥ C°PsCḥC-CḥPSPs
PSP°PrP°P»C-. PµP°CḥC-C''PSC,Pë, CḥPeC- PsC,CḥPëPjCfCḥC,ḥ P»C-PeCfPIP°PSPSCḥ
P°PSC,PëPiCfPëC...PsC,PëCḥPSPëPjPë P·P°CfPsP±P°PjPë, PIPeP»CḥCḥP°CḥCḥPë
PsP»P°PSP·P°PiC-PS, PiPsPIPëPSPSC- P±CfC,Pë PiC-Pr PSP°PiP»CḥPrPsPj CfC,PsCfPsPIPSPs
PiCḥPsCḥPIC-PI PiC-PiPµCḥPiP»C-PePµPjC-C— (C,P°PePëC... CḥPe PiPsP»C-PrPëPiCfC-Cḥ,
PiPsP»C-CfCḥC-Cḥ, PiPsP»C-C,,P°PiC-Cḥ C,P° CfP»P°P±PeC-CfC,ḥ). PµP°CḥC-C''PSC,C-PI P·
CḥCfPeCḥPsPIPëPj PrC-P°P±PµC,PsPj C,P° PiP°CḥC-C''PSC,C-PI P· C,,P°PeC,PsCḥP°PjPë
CḥPëP·PëPeCf CḥPsP·PIPëC,PeCf PrC-P°P±PµC,Cf PSPµPsP±C...C-PrPSPs
CḥPµPiCfP»CḥCḥPSPs PePsPSC,CḥPsP»CḥPIP°C,Pë C°PsPrPs PiPsPiC-CḥCḥPµPSPSCḥ
CḥC-PIPSCḥ PePsPSC,CḥPsP»Cḥ PiP»CḥPePsP·Pë. PḥP»C-Pr CḥPµPiCfP»CḥCḥPSPs
PePsPSC,CḥPsP»CḥPIP°C,Pë PjP°CfCf C,C-P»P°, PSP°PiCḥPëPeP»P°Pr PSP° PiPsCḥP°C,PeCf
P»C-PeCfPIP°PSPSCḥ, CḥPµCḥPµP· 4 C,PëPḥPSC-, CḥPµCḥPµP· 8 C,PëPḥPSC-PI C,P° CḥPµCḥPµP·
12 C,PëPḥPSC-PI, P° C,P°PePsPḥ PsPrPëPS CḥP°P· PSP° PePIP°CḥC,P°P» PSP°PrP°P»C-.

PḥPSC,PëC...PsP»C-PSPµCḥPiC-CḥPSP° P°PeC,PëPIPSC-CfC,ḥ. Pj C...PsPrC-
PeP»C-PSC-CḥPSPëC... PrPsCfP»C-PrPḥPµPSCḥ PIPëCḥPIP»PµPSPs PSPëP·ḥPeCf
CḥP°CfC,PsC,Cf CḥPsP·PIPëC,PeCf P°PSC,PëC...PsP»C-PSPµCḥPiC-CḥPSPëC...
CḥPIPëC°. PḥPrPSP°Pe CḥPµCḥPµP· PsP±PjPµPḥPµPSPSCḥ PeP»C-PSC-CḥPSPsPiPs
PrPsCfPIC-PrCf C°PsPrPs P·P°CfC,PsCfCfPIP°PSPSCḥ PsP»P°PSP·P°PiC-PSCf
PiP°CḥC-C''PSC,P°Pj C-P· CfCfPiCfC,PSC-PjPë P·P°C...PIPScḥCḥPIP°PSPSCḥPjPë
CfP»C-Pr P±CfC,Pë PsP±PµCḥPµPḥPSPëPjPë PiCḥPë PiCḥPëP·PSP°CḥPµPSPSC-
PiCḥPµPiP°CḥP°C,Cf PiP°CḥC-C''PSC,P°Pj C-P· PiC-PiPµCḥC,CḥPsC,,C-C''Cḥ
PiCḥPsCfC,P°C,Pë, PiP°CḥP°P»C-C,PëCḥPSPsCḥ PePëCḥPePsPIPScḥ
PSPµPiCḥPsC...C-PrPSC-CfC,Cḥ P°P±Ps PiPsPrC-P±PSPëPjPë CfC,P°PSP°PjPë.

PµPsPeP°P·PSPëPePë PiPµCḥC-PSPePsPIPSc— C,,CḥPSPeCfC-C—. PµCḥPë
P·P°CfC,PsCfCfPIP°PSPSC- PsP»P°PSP·P°PiC-PSCf CḥP°CfC,Ps
CfPiPsCfC,PµCḥC-PiP°P»PsCfCḥ C,CḥP°PSP·PëC,PsCḥPSPµ
P°CfPëPjPiC,PsPjP°C,PëCḥPSPµ PiC-PrPIPëC°PµPSPSCḥ CḥC-PIPSCḥ
PiPµCḥC-PSPePsPIPëC... C,CḥP°PSCfP°PjC-PSP°P·
P°P»P°PSC-PSP°PjC-PSPsC,CḥP°PSCfC,,PµCḥP°P·Pë (PḥP»PḥPḥ) C,P°
P°CfPiP°CḥC,P°C,P°PjC-PSPsC,CḥP°PSCfC,,PµCḥP°P·Pë (PḥCfPḥPḥ), PsCfPsP±P»PëPIP
PSP° PiPsCḥP°C,PeCf P»C-PeCfPIP°PSPSCḥ. PµP°CḥC-C''PSC,P°Pj C-P·
PiC-PrPIPëC°PµPSPëPj CḥC-PIPSPµPj PḥP»PḥPḥ C,P°/CḥPë PḥCfPḥPḥ, PsP·PSP°PeP°PjPë
C,P° CfPëPjPiC,PsPjP°PjPë PiPsCḥCfCḥPµPSPSCḥ PrC-CḥP»CḥPSPsCfC,C-
PiPµCḥC-PSPePë, CfC,P°PSP°PjPë, PiPsPiBḥ™ CḥP·P°PSPëPjPë P· PiPµCḥC-PSPePsPIPScḥ
PSPµPrPsCfC,P°C,PSC-CfC,Cḥ, P° C,P°PePsPḥ PiP°CḥC-C''PSC,P°Pj, CḥPeC-
PiCḥPëPNëPjP°CḥC,ḥ PiPsC,PµPSCḥC-PNëPSPs PiPµPiP°C,PsC,PsPeCfPëCḥPSC-
PiCḥPµPiP°CḥP°C,Pë, PsP»P°PSP·P°PiC-PS CfP»C-Pr PiCḥPëP·PSP°CḥP°C,Pë P·
PsP±PµCḥPµPḥPSC-CfC,Cḥ. PµCḥPë PIPëCḥPIP»PµPSPSC- PiPµPiP°C,PëC,Cf
(PIPeP»CḥCḥP°CḥCḥPë PiPµPiP°C,PsCḥPµP»CḥP»CḥCḥPSPµ,
C...PsP»PµCfC,P°C,PëCḥPSPµ CḥPë P·PjC-CḥP°PSPµ CfCḥP°PḥPµPSPSCḥ

PiPμC±C-PSPePë) PsP»P°PSP·P°PiC-PS PSPμPsP±C...C-PrPSPs PIC-PrPjC-PSPëC,Pë.

PkPμPNεC,CḡPsPiPμPSC-Cḡ. PhP»P°PSP·P°PiC-PS PSPμPsP±C...C-PrPSPs
PiCḡPëP·PSP°C±P°C,Pë P· PsP±PμCḡPμPḡPSC-CḡC,Cḡ PiCḡPë PSPëP·CHPePsPjCḡ
CḡC-PIPSC- P»PμPNεPePsC±PëC,C-PI C,P°/P°P±Ps PSPμPNεC,CḡPsC,,C-P»C-PI P·
P±CḡPrCH-CḡPePsC— PiCḡPëC±PëPSPë PiP°C±C-C”PSC,P°Pj, CḡPeC-
PsC,CḡPëPjCḡCḡC,CH P»C-PeCḡPIP°PSPSCḡ PiCḡPμPiP°CḡP°C,P°PjPë, C%oPs
PjPsPḡCḡC,CH CḡPiCḡPëC±PëPSPëC,Pë PSPμPNεC,CḡPsPiPμPSC-Cḡ,
PiP°C±C-C”PSC,P°Pj, CḡPeC- PjP°CḡC,CH PI P°PSP°PjPSPμP·C-
PjPμPrPëPeP°PjPμPSC,PsP·PSPμ PiCḡPëPiPSC-C±PμPSPSCḡ/C,PsPeCḡPëC±PSPμ
CḡCḡP°PḡPμPSPSCḡ PeC-CḡC,PePsPIPSPiPs PjPsP·PeCḡ, PiP°C±C-C”PSC,P°Pj C-P·B
PiCḡPëPiPSC-C±PμPSPSCḡPj PeC-CḡC,PePsPIPSPiPs PjPsP·PeCḡ,
CḡPiCḡPëC±PëPSPμPSPëPj CḡCḡPiCḡC,PSC-PjPë P·P°C...PIPSCḡCḡPIP°PSPSCḡPjPë,
PsPiCḡPsPjC-PSPμPSPSCḡPj C±Pë C...C-PjC-PsC,PμCḡP°PiC-C”Cḡ, C,P°B
PiP°C±C-C”PSC,P°Pj C-P· PiC-PiPμCḡPμPsP·PëPSPsC,,C-P»C-C”Cḡ C,P°
PjC-C”P»PsPiCḡPsP»C-C,,PμCḡP°C,PëPIPSPëPj P·P°C...PIPSCḡCḡPIP°PSPSCḡPj.
PkPμPNεC,CḡPsPiPμPSC-Cḡ C” C±P°CḡC,PëPj PiPsP±C-C±PSPëPj PμC,,PμPeC,PsPj PiCḡPë
CḡCḡPjC-CḡPSPsPjCḡ P·P°CḡC,PsCḡCḡPIP°PSPSC- PIP°P»CHPiCḡPsP°C,Cḡ C,P°
PsP»P°PSP·P°PiC-PSCḡ.

PμCḡPëPiPëPSPμPSPSCḡ C,PμCḡP°PiC-C—. PμCḡPë CḡC-P·PePsPjCḡ
PiCḡPëPiPëPSPμPSPSC- C,PμCḡP°PiC-C— CḡC-PrPePs (≥ 0,01 % Bḡ” < 0,1 %)
PiPsPIC-PrPsPjP»CḡP»PsCḡCḡ PiCḡPs PiPsCḡC,CḡC- CḡPëPjPiC,PsPjPë, P·PsPeCḡPμPjP°
PiCḡPs PSP°PrPjC-CḡPSPμ PiPsC,PsPIPëPrC-P»PμPSPSCḡ, P±PμP·CḡPsPSPSCḡ,
C,CḡPμPjPsCḡ, CḡPsP·PrCḡP°C,PsPIP°PSC-CḡC,CH, PSCḡPrPsC,Cḡ P°P±Ps
P±P»CḡPIP°PSPSCḡ.

QT-C-PSC,PμCḡPIP°P». Pj PeP»C-PSC-C±PSPëC... PrPsCḡP»C-PrPḡPμPSPSCḡC...
PIPëCḡPIP»PμPSPs PeP»C-PSC-C±PSPs P·PSP°C±CḡC%oPμ PiPsPrPsPIPḡPμPSPSCḡ
C-PSC,PμCḡPIP°P»Cḡ QTc Cḡ PiP°C±C-C”PSC,C-PI, CḡPeC- PiCḡPëPNεPjP°P»Pë
PsP»P°PSP·P°PiC-PS (QTcF [P· PiPsPiCḡP°PIPePsCḡ P·P° C,,PsCḡPjCḡP»PsCḡ
P»CḡPëPrPμCḡPëPeP°] ≥ 500 PjC-P»C-CḡPμPeCḡPSPḡ [PjCḡ] Cḡ P±CḡPrCH-CḡPePëPNε
C±P°Cḡ PiC-CḡP»Cḡ PiPsC±P°C,PeCḡ PrPsCḡP»C-PrPḡPμPSPSCḡ PrP»Cḡ
PiP°C±C-C”PSC,C-PI C-P· QTcF < 500 PjCḡ PSP° PiPsC±P°C,PeCḡ
PrPsCḡP»C-PrPḡPμPSPSCḡ P±CḡPI PSPμC±P°CḡC,PëPj Bḡ” PIC-Pr 0,1 % PrPs < 1%).
PμPsCḡC-PIPSCḡPSPs P· PiP»P°C±PμP±Ps PSPμ P±CḡP»Ps CḡCḡC,C”PIPëC...
PIC-PrPjC-PSPSPsCḡC,PμPNε Cḡ C±P°CḡC,PsC,C- PiPsP±C-C±PSPëC... PμC,,PμPeC,C-PI P·
P±PsPeCḡ CḡPμCḡC±Cḡ. PhPrPSP°Pe CḡP»C-Pr P±CḡC,Pë PsP±PμCḡPμPḡPSPëPjPë PiCḡPë
PsPrPSPsC±P°CḡPSPsPjCḡ P·P°CḡC,PsCḡCḡPIP°PSPSC- PsP»P°PSP·P°PiC-PSCḡ P· C-PSCεPëPjPë
P»C-PeP°CḡCḡCHPePëPjPë P·P°CḡPsP±P°PjPë, CḡPeC- PiPsPrPsPIPḡCḡCḡC,CH
C-PSC,PμCḡPIP°P» QTc, PsCḡPsP±P»PëPIPs Cḡ PiP°C±C-C”PSC,C-PI P»C-C,PSCḡPsPiPs
PIC-PeCḡ, PiP°C±C-C”PSC,C-PI C-P· PiCḡPsPrPḡPμPSPëPj CḡPëPSPḡCḡPsPjPsPj
PiPsPrPsPIPḡPμPSPsPiPs C-PSC,PμCḡPIP°P»Cḡ QT, P·P°CḡC,C-PNεPSPsCḡ CḡPμCḡC±PμPIPSCḡ
PSPμPrPsCḡC,P°C,PSC-CḡC,Cḡ, PiC-PiPμCḡC,CḡPsC,,C-C”Cḡ CḡPμCḡC±Cḡ P°P±Ps
P·PSPëPḡPμPSPëPj CḡC-PIPSPμPj PeP°P»C-Cḡ C±Pë PjP°PiPSC-Cḡ PI PeCḡPsPIC-.

PjCḡPsPjP±PsPμPjP±PsP»C-Cḡ. PμCḡPë P»C-PeCḡPIP°PSPSC- PsP»P°PSP·P°PiC-PSPsPj
PSPμC±P°CḡC,Ps PiPsPIC-PrPsPjP»CḡP»PsCḡCḡ PiCḡPs PIPëPiP°PrPePë

СҗPsP·PIPëC,PeCí PIPµPSPsP·PSPsC— C,СҗPsPjP±PsPµPjP±PsP»C-C— (≥ 0,1 % вҗ” < 1 %). PµСҗPëC±PëPSPSPs-PSP°CГҗ»C-PrPePsIPsPiPs P·PIвҗ™ CҗP·PeCí PjC-Pҗ P»C-PeCíPIP°PSPSCҗPj PsP»P°PSP·P°PіC-PSPsPj C,P° СҗPsP·PIPëC,PePsPj PIPµPSPsP·PSPsC— C,СҗPsPjP±PsPµPjP±PsP»C-C— PSPµ PICГҗC,P°PSPsPIP»PµPSPs. PһPrPSP°Pe, P±PµСҗCíC±Pë PrPs CíPIP°PiPë C,Pµ, C%Ps Cí PiP°C†C-C”PSC,C-PI C-P· C€PëP·PsC,,СҗPµPSC-C”Сҗ C±P°CГҗC,Ps СҗPsP·PIPëPIP°C”C,СҗCГҗCҗ CГҗC...PëP»СҗPSC-CГҗC,Сҗ PrPs C,СҗPsPjP±PsPµPjP±PsP»C-C—, PSPµPsP±C...C-PrPSPs PICҗP°C...PsPICíPIP°C,Pë CíCГҗC- PjPsPҗP»PëPIC- C,,P°PeC,PsСҗPë СҗPëP·PëPeCí, PSP°PiСҗPëPeP»P°Pr C-PjPjPsP±C-P»C-P·P°C†C-Cҗ PiP°C†C-C”PSC,P°, C,P° PIPҗPëPIP°C,Pë PICГҗC-C... PSPµPsP±C...C-PrPSPëC... P·P°PiPsP±C-PҗPSPëC... P·P°C...PsPrC-PI.

P—P°PiP°P»СҗPSP° PrC-Cҗ PSP° C†PµPSC,СҗP°P»СҗPSCз PSPµСҗPIPSPICз CГҗPëCГҗC,PµPjCз. P’СҗP°C...PsPICíСҗC±Pë PiPµСҗPµPIP°PҗPSPëPNё PIPiP»PëPI PsP»P°PSP·P°PіC-PSCí PSP° PiPкPҗ, PSPµPsP±C...C-PrPSPs PIPҗPëPIP°C,Pë PrPsPrP°C,PePsPIC- P·P°PiPsP±C-PҗPSC- P·P°C...PsPrPë PiСҗPë P·P°CГҗC,PsCГҗCíPIP°PSPSC- PsP»P°PSP·P°PіC-PSCí СҗP°P·PsPj P· C-PSC€PëPjPë PiСҗPµPiP°СҗP°C,P°PjPë C†PµPSC,СҗP°P»СҗPSPsC— PrC-C—, PIPeP»СҗC±P°СҗC±Pë PIPҗPëPIP°PSPSCҗ P°P»PePsPiPsP»Сҗ.

PкP°PiP°PrPë CГҗCзPrPsPj. PһP»P°PSP·P°PіC-PS PSPµPsP±C...C-PrPSPs P· PsP±PµСҗPµPҗPSC-CГҗC,Сҗ P·P°CГҗC,PsCГҗPsPICíPIP°C,Pë, CҗPeC%Ps PI P°PSP°PjPSPµP·C- PiP°C†C-C”PSC,P° C” PµPiC-P»PµPiC,PëC±PSC- PSP°PiP°PrPë, P°P±Ps P·P° PSP°CҗPIPSPsCГҗC,C- C,,P°PeC,PsСҗC-PI, C%Ps P·PSPëPҗCíСҗC,Сҗ PiPsСҗC-PI CГҗCíPrPsPjPSPsC— PiPsC,PsPIPSPsCГҗC,C-. PкPµC±P°CГҗC,Ps PiPsPIC-PrPsPjP»CҗP»PsCГҗCҗ PiСҗPs PIPëPiP°PrPePë PµPiC-P»PµPiC,PëC±PSPëC... PSP°PiP°PrC-PI PiСҗPë P»C-PeCíPIP°PSPSC- PsP»P°PSP·P°PіC-PSPsPj. Pj P±C-P»СҗC€PsCГҗC,C- C†PëC... PIPëPiP°PrPeC-PI PiP°C†C-C”PSC,Pë PjP°P»Pë PI P°PSP°PjPSPµP·C- PµPiC-P»PµPiC,PëC±PSC- PSP°PiP°PrPë P°P±Ps СҗPëP·PëPe C—C... PIPëPSPëPePSPµPSPSCҗ P±CíPI PiC-PrPIPëC%PµPSPëPNё.

PµC-P·PSCҗ PrPëCГҗPeC-PSPµP·C-Cҗ. Pj C...PsPrC- PeP»C-PSC-C±PSPëC... PrPsCГҗP»C-PrPҗPµPSCҗ C,СҗPëPIP°P»C-CГҗC,Сҗ 1 СҗC-Pe P°P±Ps PjPµPSC€Pµ PiСҗPë PiСҗPëPNёPsPjC- PsP»P°PSP·P°PіC-PSCí CГҗPiPsCГҗC,PµСҗC-PiP°P»PsCГҗCҗ CГҗC,P°C,PëCГҗC,PëC±PSPs P·PSP°C±CíC%Pµ P·PSPëPҗPµPSPSCҗ C±P°CГҗC,PsC,Pë PIPëPSPëPePSPµPSPSCҗ PrPëCГҗPeC-PSPµP·C-C—, CГҗPiСҗPëC±PëPSPµPSPsC— P»C-PeCíPIP°PSPSCҗPj. PşPµСҗPµP· P·СҗPsCГҗC,P°СҗC±PëPNё СҗPëP·PëPe СҗPsP·PIPëC,PeCí PiC-P·PSCҗPsC— PrPëCГҗPeC-PSPµP·C-C— PiСҗPë C,СҗPëPIP°P»PsPjCí PiСҗPëPNёPsPjC- P°PSC,PëPiCГҗPëC...PsC,PëC±PSPëC... PiСҗPµPiP°СҗP°C,C-PI PSPµPsP±C...C-PrPSPµ PIC-PrPiPsPIC-PrPSPµ P·PSPëPҗPµPSPSCҗ PrPsP·Pë P°P±Ps PiPsPIPSP° PIC-PrPjC-PSP° PiСҗPµPiP°СҗP°C,Cí PiСҗPë PiPsCҗPIC- Cí PiP°C†C-C”PSC,P° PsP·PSP°Pe C±Pë CГҗPëPjPiC,PsPjC-PI PiC-P·PSCҗPsC— PrPëCГҗPeC-PSPµP·C-C—. P— C±P°CГҗPsPj C†C- CГҗPëPjPiC,PsPjPë PjPsPҗCíC,Сҗ PiPsPiC-СҗC€CíPIP°C,PëCГҗСҗ P°P±Ps PSP°PIC-C,Сҗ P·вҗ™ CҗPIP»CҗC,PëCГҗCҗ PiC-CГҗP»Cҗ PiСҗPëPiPëPSPµPSPSCҗ P»C-PeCíPIP°PSPSCҗ.

PһСҗC,PsCГҗC,P°C,PëC±PSP° PiC-PiPsC,PµPSP·C-Cҗ. PкPµC±P°CГҗC,Ps PiPsPIC-PrPsPjP»CҗP»PsCГҗCҗ PiСҗPs PIPëPiP°PrPePë PsСҗC,PsCГҗC,P°C,PëC±PSPsC— PiC-PiPsC,PµPSP·C-C— Cí PiP°C†C-C”PSC,C-PI P»C-C,PSCҗPsPiPs PIC-PeCí PI

C...PsPrC- PeP»C-PSC-C‡PSPëC... PrPsCÍP»C-PrP¶PµPSCĤ. PİPe C- PİCĤPë
P»C-PeCfPIP°PSPSC- C-PSC€PëPjPë P°PSC,PëPİCÍPëC...PsC,PëPeP°PjPë, PİC-Pr C‡P°CÍ
P·P°CÍC,PsCÍCfPIP°PSPSCİ PsP»P°PSP·P°PİC-PSCr CĤPµPePsPjPµPSPrCfC”C,CĤCÍCİ
PİPµCĤC-PsPrPëC‡PSPµ PIPëPjC-CĤCĤPIP°PSPSCİ P°CĤC,PµCĤC-P°P»CĤPSPsPiPs
C,PëCÍPeCf PİP°C†C-C”PSC,P°Pj PIC-PePsPj PIC-Pr 65 CĤPsPeC-PI.

P P°PİC,PsPIP° CÍPµCĤC†PµPIP° CÍPjPµCĤC,CĤ. Pj PİPsCÍC,PjP°CĤPePµC,PëPSPİPsPIPëC...
P·PIC-C,P°C... PİPsPIC-PrPsPjP»CİP»PsCÍCİ PİCĤPs PIPëPİP°PrPePë CĤP°PİC,PsPIPSC—
CÍPµCĤC†PµPIPSC— CÍPjPµCĤC,C-. P’C-PrPİPsPIC-PrPSPs PrPs
CĤPµC,CĤPsCÍPİPµPeC,PëPIPSPsPiPs PsP±CÍPµCĤPIP°C†C-PNëPSPsPiPs
PePsPiPsCĤC,PSPsPiPs PrPsCÍP»C-PrP¶PµPSPSCİ, CĤPëP·PëPe CĤP°PİC,PsPIPSC—
CÍPµCĤC†PµPIPSC— CÍPjPµCĤC,C- CÍ PİP°C†C-C”PSC,C-PI, CİPeC-
PsC,CĤPëPjCfPIP°P»Pë P»C-PeCfPIP°PSPSCİ PsP»P°PSP·P°PİC-PSPsPj,
PİC-PrPIPëC%oCfPIP°PICÍCİ PjP°PNëP¶Pµ PIPrPIC-C‡C- PİPsCĤC-PIPSCİPSPs P·
PİP°C†C-C”PSC,P°PjPë, CİPeC- PSPµ P·P°CÍC,PsCÍPsPICfPIP°P»Pë
P°PSC,PëPİCÍPëC...PsC,PëPePë. P PëP·PëPe PİCĤPë P·P°CÍC,PsCÍCfPIP°PSPSC-
PsP»P°PSP·P°PİC-PSCr PIC-PrPİPsPIC-PrP°C” C,P°PePsPjCf PİCĤPë
P·P°CÍC,PsCÍCfPIP°PSPSC- P°C,PëPİPsPIPëC... P°PSC,PëPİCÍPëC...PsC,PëC‡PSPëC...
P·P°CÍPsP±C-PI, C%oPs P±CfP»Pë PIPeP»CĤC‡PµPSC- PrPs PsP±BĤ™ C”PrPSP°PSPsPiPs
P°PSP°P»C-P·Cf.

P>P°PeC,PsP·P°. P>C-PeP°CĤCÍCĤPePëPNë P·P°CÍC-P± PjC-CÍC,PëC,CĤ P»P°PeC,PsP·Cf,
C,PsPjCf PNëPsPiPs PSPµ PjPsP¶PSP° PİCĤPëP·PSP°C‡P°C,Pë C...PIPSCĤPëPj, CİPeC-
PjP°CĤC,CĤ CÍPİP°PrPePsPICr PSPµPİPµCĤPµPSPSCÍPëPjC-CÍC,CĤ P»P°PeC,PsP·Pë,
PrPµC,,C-C†PëC, P»P°PeC,P°P·Pë P°P±Ps CÍPëPSPrCĤPsPj PİP»CĤPePsP·Ps-
PİP°P»P°PeC,PsP·PSPSC— PjP°P»CĤP°P±CÍPsCĤP±C†C-C—.

P”PsPİP°PjC-PSPµCĤPiC-C‡PSPëPNë P°PSC,P°PiPsPSC-P·Pj. PĤP»P°PSP·P°PİC-PS in vitro
PİCĤPsCİPIP»CİC” P°PSC,P°PiPsPSC-P·Pj PrPs PrPsPİP°PjC-PSCr C,P°
C,PµPsCĤPµC,PëC‡PSPs PjPsP¶Pµ PİCĤPsC,PëPrC-CİC,Pë PµC,,PµPeC,P°Pj
P»PµPIPSPrPsPİPë C,P° P°PiPsPSC-CÍC,P°Pj PrPsPİP°PjC-PSCr, C,P°Pe CÍP°PjPs CİPe
C-PSC€C- P°PSC,PëPİCÍPëC...PsC,PëC‡PSC- P·P°CÍPsP±Pë.

P”P»CĤPePsP·P°. Pj C...PsPrC- PeP»C-PSC-C‡PSPëC... PrPsCÍP»C-PrP¶PµPSCĤ (PrPs 52
C,PëP¶PSC-PI) PsP»P°PSP·P°PİC-PS CÍPİCĤPëC‡PëPSCİPI P±C-P»CĤC€C- P·PjC-PSPë
CĤC-PIPSCİ PİP»CĤPePsP·Pë PİPsCĤC-PIPSCİPSPs P· PİP»P°C†PµP±Ps.
P C-P·PSPëC†Cİ CÍ P·PjC-PSP°C... P·PSP°C‡PµPSCĤ PjC-P¶ PsP»P°PSP·P°PİC-PSPsPj
C,P° PİP»P°C†PµP±Ps P±CfP»P° P±C-P»CĤC€PsCĤ CÍ PİP°C†C-C”PSC,C-PI C-P·
CÍPëPjPİC,PsPjP°PjPë PrPëP·CĤPµPİCfP»CİC†C-C— PİP»CĤPePsP·Pë Pİ
P°PSP°PjPSPµP·C- (PIPeP»CĤC‡P°CĤC‡Pë PİP°C†C-C”PSC,C-PI P· C†CfPeCĤPsPIPëPj
PrC-P°P±PµC,PsPj P°P±Ps PİP°C†C-C”PSC,C-PI C-P· PİCĤPsCİPIP°PjPë
PİC-PİPµCĤPİP»C-PePµPjC-C—). Pj C†PëC... PİP°C†C-C”PSC,C-PI
CÍPİPsCÍC,PµCĤC-PİP°P»PsCÍCİ P·PSP°C‡PSPµ PİC-PrPIPëC%oPµPSPSCİ HbA1CÍ
PİPsCĤC-PIPSCİPSPs P· PİCĤCfPİPsCĤ PİP»P°C†PµP±Ps.

P’C-PrCÍPsC,PePsPIPµ CÍPİC-PIPIC-PrPSPsC€PµPSPSCİ PİP°C†C-C”PSC,C-PI, CÍ CİPePëC...
P·PjC-PSPëPICÍCİ CĤC-PIPµPSCĤ PİP»CĤPePsP·Pë P· PSPsCĤPjP°P»CĤPSPsPiPs P°P±Ps
PİCĤP°PSPëC‡PSPsPiPs PrPs PIPëCÍPsPePsPiPs, PİPsCÍC,C-PNëPSPs

P·P±C-P»CHC€CfPIP°P»PsCfCf.

P' P°PSP°P»C-P·P°C... Pp°C+C-C"psc,c-pi, cfpeC- PichpsPN€P»Pë 9Bf "12-PjC-CfCfCfPSCf C,PµCfP°Pc-Cf PsP»P°PSP·P°Pc-PSpSj, Pïc-PrPIPëC%oPµPSPëPN€ CfC-PIPµPSCf PIP»CfPePsP·Pë Cf PeCfPsPIC- P·PSPëP¶CfPIP°PICfCf CfPµCfPµP· 6 PjC-CfCfCfC-Pi.

P—PjC-PSPë CfC-PIPSCf P»C-Pïc-PrC-Pi. PkPµP±P°P¶P°PSC- P·PjC-PSPë CfC-PIPSCf P»C-Pïc-PrC-Pi PjPsP¶CfC,Ch CfPpPsCfC,PµCfC-PiP°C,PëCfCf Cf Pp°C+C-C"psc,c-pi, cfpeC- P»C-PeCfCfC,ChCfCf PsP»P°PSP·P°Pc-PSpSj. P—PjC-PSPë CfC-PIPSCf P»C-Pïc-PrC-Pi CfP»C-Pr P»C-PeCfPIP°C,Pë PSP°P»PµP¶PSPëPj C±PëPSPsPj Cf Pp°C+C-C"psc,c-pi C-P· PrPëCfP»C-Pïc-PrPµPjC-C"cf C,P° Cf Pp°C+C-C"psc,c-pi C-P· C,,P°PeC,PsCfP°PjPë CfPëP·PëPeCf CfPsP·PIPëC,PeCf PpScfCfC€PµPSCf PsP±PjC-PSCf P»C-Pïc-PrC-Pi. PµP°C+C-C"psc,P°Pj, cfpeC- PsC,CfPëPjCfCfC,Ch P»C-PeCfPIP°PSPSCf P°PSC,PëPcPëC...PsC,PëC±PSPëPjPë P·P°CfPsP±P°PjPë, PIPëP»CfC±P°CfC±Pë PsP»P°PSP·P°Pc-PS, PSPµPsP±C...C-PrPSPs CfPµPiCfP»CfCfPSPs PePsPSC,CfPsP»CfPIP°C,Pë CfC-PIPSC- P»C-Pïc-PrC-Pi Cf PeCfPsPIC-, PSP°PcPëPeP»P°Pr PSP° PpSc±P°C,PeCf P»C-PeCfPIP°PSPSCf, CfPµCfPµP· 12 C,PëP¶PSC-Pi, P° C,P°PePsP¶ PePsP¶PSC- 5 CfPsPeC-Pi PSP°PrP°P»C-.

Pj C...PsPrC- PeP»C-PSC-C±PSPëC... PrPsCfP»C-PrP¶PµPSCf, C%oPs C,CfPëPIP°P»Pë P±C-P»CHC€Pµ 12 C,PëP¶PSC-Pi, Cf Pp°C+C-C"psc,c-pi, cfpeC- PichPëPN€PjP°P»Pë PsP»P°PSP·P°Pc-PS, CfPpPsCfC,PµCfC-PiP°P»PsCfCf Pïc-PrPIPëC%oPµPSPSCf CfC-PIPSCf P·P°Pp°P»CHPSPsPiPs C...PsP»PµCfC,PµCfPëPSCf, P»C-PpPsPcCfPsC,PµC—PrC-Pi PSPëP·CHPePsC— C%oC-P»CHPSPsCfC,C- (P·PµP¶P©) C- C,CfPëPiP»C-CfPµCfPëPrC-Pi PpScCfC-PIPSCfPSPs P· PichCfPpPsCf Pp»P°CfPµP±Ps.

P—PSP°C±PSPµ Pïc-PrPIPëC%oPµPSPSCf CfC-PIPSCf P»C-Pïc-PrC-Pi (P·P°Pp°P»CHPSPsPiPs C...PsP»PµCfC,PµCfPëPSCf, P»C-PpPsPcCfPsC,PµC—PrC-Pi PSPëP·CHPePsC— C%oC-P»CHPSPsCfC,C-, C,CfPëPiP»C-CfPµCfPëPrC-Pi) CfPpPsCfC,PµCfC-PiP°P»PsCfCf C±P°CfC,C-€Pµ Cf Pp°C+C-C"psc,c-pi P±PµP· PpScCfCfC€PµPSPSCf PsP±PjC-PSCf P»C-Pïc-PrC-Pi Pi P°PSP°PjPSPµP·C-.

PkPµ CfPpPsCfC,PµCfC-PiP°P»PsCfCf CfC,P°C,PëCfC,PëC±PSPs Pïc-PrC,PIPµCfPrP¶PµPSPëC... PIC-PrPjC-PSpSPsCfC,PµPN€ Pïc-PrPIPëC%oPµPSPSCf P»C-PpPsPcCfPsC,PµC—PrC-Pi PIPëCfPsPePsC— C%oC-P»CHPSPsCfC,C- (P·PµP¶P©) PjC-P¶ Pp°C+C-C"psc,P°PjPë, cfpeC- PichPëPN€PjP°P»Pë PsP»P°PSP·P°Pc-PS, C,P° Pp°C+C-C"psc,P°PjPë, cfpeC- PichPëPN€PjP°P»Pë Pp»P°CfPµP±Ps.

PfC-P»CHPeC-CfPSPµ CfPïc-PIPIC-PrPSPs€PµPSPSCf Pp°C+C-C"psc,c-pi, Cf cfpePëC... P·PjC-PSPëPICfCf CfC-PIPµPSCf P·P°Pp°P»CHPSPsPiPs C...PsP»PµCfC,PµCfPëPSCf, P»C-PpPsPcCfPsC,PµC—PrC-Pi PSPëP·CHPePsC— C%oC-P»CHPSPsCfC,C- P°P±Ps C,CfPëPiP»C-CfPµCfPëPrC-Pi P· PSPsCfPjP°P»CHPSPsPiPs P°P±Ps PichP°PSPëC±PSPsPiPs CfC-PIPSCf PrPs PIPëCfPsPePsPiPs P°P±Ps P·PjC-PSPëPICfCf CfC-PIPµPSCf P»C-PpPsPcCfPsC,PµC—PrC-Pi PIPëCfPsPePsC— C%oC-P»CHPSPsCfC,C- P· PSPsCfPjP°P»CHPSPsPiPs P°P±Ps PichP°PSPëC±PSPsPiPs PrPs PSPëP·CHPePsPiPs, P±CfP»Ps P±C-P»CHC€PëPj Cf C...PsPrC- PrPsPiPiPsC,CfPëPIP°P»PëC... PrPsCfP»C-PrP¶PµPSCf (PSPµ PjPµPSC€Pµ 48 C,PëP¶PSC-Pi) PpScCfC-PIPSCfPSPs P· C,P°PePëPj PichPë PePsCfPsC,PePsC,PµCfPjC-PSpPIPëC... PrPsCfP»C-PrP¶PµPSPSCf.... Pj Pp°C+C-C"psc,c-pi, cfpeC- PichPsPN€C€P»Pë 12-PjC-CfCfCfPSCf C,PµCfP°Pc-Cf, CfC-PIPµPSCf P·P°Pp°P»CHPSPsPiPs C...PsP»PµCfC,PµCfPëPSCf PSPµ P·CfPsCfC,P°Pi Pïc-CfP»Cf 4Bf"6

PjC-CÍCЦC†C-PI.

PŸCáC—C†PëPr. PĤPsP¶P»PëPIC-CÍC,CH CÍPïCĤPsP± CÍC†C—C†PëPrC†
PïCĤPëC,P°PjP°PSPSP° C†Pë PïP°C†C-C”PSC,P°Pj C-P· CëPëP·PsC,,ĤPµPSC-C”Ĥ,
C,P°Pë C- PïP°C†C-C”PSC,P°Pj C-P· P±C-PiPsP»C†CĤPSPëPj ĤPµP·P»P°PrPsPj I
C,PëPïC†, C† P·PIBĤ™ C†P·PëC† P· C†PëPj PïPsC,ĤC-P±PSPs ĤPµC,PµP»ĤPSPs
CÍPïPsCÍC,PµĤC-PiP°C,Pë P·P° PïP°C†C-C”PSC,P°PjPë, C†PëC- PjP°ĤC,CH
PIPëCÍPsPëPëPë ĤPëP·PëPë CÍC†C—C†PëPrC† C,P° PsC,ĤPëPjC†ĤC,CH
C,PµĤP°PïC-Ĥ PsP»P°PSP·P°PïC-PSPsPj. P— PjPµC,PsĤ P·PSPëP¶PµPSPSC†
PjPsP¶P»PëPIPsCÍC,C- PïPµĤPµPrPsP·C†PIP°PSPSC† PïPsC,ĤC-P±PSPs
PIPëPïPëCÍC†PIP°C,Pë PsP»P°PSP·P°PïC-PS C† C,P°P±P»PµC,PeP°C... PjP°P»PëPjPë
PëC-P»ĤPëPsCÍC,C†PjPë, PrPsCÍC,P°C,PSC-PjPë PrP»C† P·P°P±PµP·PïPµC†PµPSPSC†
PSP°P»PµP¶PSPsPiPs P»C-PëC†PIP°P»ĤPSPsPiPs PµC,,PµPëC,C†.

PĤP°CÍP° C,C-P»P°. PµPµĤPµPr PïPsC†P°C,PePsPj C,PµĤP°PïC-C—
PsP»P°PSP·P°PïC-PSPsPj CÍP»C-Pr PICĤP°C...PsPIC†PIP°C,Pë PïPsC,PµPSC†C-PNëPSC-
PSP°CÍP»C-PrPëPë PïC-PrPIPëC%PµPSPSC† PjP°CÍPë C,C-P»P° PïP°C†C-C”PSC,P°.
PµP°C†C-C”PSC,Pë, C†PëC- PsC,ĤPëPjC†ĤC,CH P»C-PëC†PIP°PSPSC†
PsP»P°PSP·P°PïC-PSPsPj, PïPsPIPëPSPSC- PïĤPµC...PsPrPëC,Pë
ĤPµPïC†P»C†CĤPSPëPñ PjPsPSC-C,PsĤPëPSPi PjP°CÍPë C,C-P»P°.

PĤPsPSPsC,PµĤP°PïC-C† PsP»P°PSP·P°PïC-PSPsPj PrPsĤPµC†P»PëC.... PµC-Pr C†P°CÍ
P°PSP°P»C-P·C† 13 PïP»P°C†PµP±Ps-PePsPSC,ĤPµP»ĤPµPIP°PSPëC... PeP»C-PSC-C†PSPëC...
PrPsCÍP»C-PrP¶PµPSCĤ P±C†P»Ps PIPëC†PIP»PµPSPs, C%Ps C†B PïP°C†C-C”PSC,C-PI,
C†PëC- PsC,ĤPëPjC†PIP°P»Pë C,PµĤP°PïC-Ĥ PsP»P°PSP·P°PïC-PSPsPj,
C†PïPsCÍC,PµĤC-PiP°P»PsCÍC† PI C†PµĤPµPrPSCĤPsPjC† PïC-PrPIPëC%PµPSPSC†
PjP°CÍPë C,C-P»P° PSP° 2,6 PePi PïPsĤC-PIPSC†PSPs P· PIC,ĤP°C,PsĤ PjP°CÍPë C,C-P»P° PI
C†PµĤPµPrPSCĤPsPjC† PSP° 0,3 PePi C† PïĤC†PïC- PïP»P°C†PµP±Ps PïĤPë PjPµPrC-P°PSC-
P·P°CÍC,PsCÍC†PIP°PSPSC† 6 C,PëP¶PSC-PI; C† 22,2 % PïP°C†C-C”PSC,C-PI C-P· C,PëC...,
C†PëC- PsC,ĤPëPjC†PIP°P»Pë C,PµĤP°PïC-Ĥ PsP»P°PSP·P°PïC-PSPsPj,
C†PïPsCÍC,PµĤC-PiP°P»PsCÍC† PïC-PrPIPëC%PµPSPSC† PjP°CÍPë C,C-P»P° PSPµ
PjPµPSC€Pµ PSC-P¶ PSP° 7 % PjP°CÍPë PSP° PïPsC†P°C,PeC† P»C-PëC†PIP°PSPSC†
PïPsĤC-PIPSC†PSPs P· 3 % PïP°C†C-C”PSC,C-PI PïĤC†PïPë PïP»P°C†PµP±Ps PïĤPë
PjPµPrC-P°PSC- P·P°CÍC,PsCÍC†PIP°PSPSC† 8 C,PëP¶PSC-PI; C† 4,2 % PïP°C†C-C”PSC,C-PI
C†PïPsCÍC,PµĤC-PiP°P»PsCÍC† P·P±C-P»ĤC€PµPSPSC† PjP°CÍPë C,C-P»P°
PïĤPëPSP°PñPjPSC- PSP° 15 % PjP°CÍPë PSP° PïPsC†P°C,PeC† P»C-PëC†PIP°PSPSC†
PïPsĤC-PIPSC†PSPs P· 0,3 % PïP°C†C-C”PSC,C-PI PïĤC†PïPë PïP»P°C†PµP±Ps PïĤPë
PjPµPrC-P°PSC- P·P°CÍC,PsCÍC†PIP°PSPSC† 12 C,PëP¶PSC-PI. PĤP»C-PSC-C†PSPs
P·PSP°C†C†C%Pµ P·P±C-P»ĤC€PµPSPSC† PjP°CÍPë C,C-P»P°
C†PïPsCÍC,PµĤC-PiP°P»PsCÍC† C† PIC†C-C... PeP°C,PµPïPsĤC-PNë PïP°C†C-C”PSC,C-PI P·P°
P†PĤPŸ (C-PSPrPµPëC† PjP°CÍPë C,C-P»P°). PµĤPëPïPëPSPµPSPSC† C,PµĤP°PïC-C—
C†PµĤPµP· P·P±C-P»ĤC€PµPSPSC† PjP°CÍPë C,C-P»P° PIC-PrP±C†P»PsCÍC† C† 0,2 %
PïP°C†C-C”PSC,C-PI, C†PëC- PsC,ĤPëPjC†PIP°P»Pë P»C-PëC†PIP°PSPSC†
PsP»P°PSP·P°PïC-PSPsPj, PïPsĤC-PIPSC†PSPs P· 0 % PïP°C†C-C”PSC,C-PI P· PïĤC†PïPë
PïP»P°C†PµP±Ps.

PJ C...PsPrC- PrPsPIPiPsC,ĤPëPIP°P»PëC... PeP»C-PSC-C†PSPëC... PrPsCÍP»C-PrP¶PµPSCĤ
(PSPµ PjPµPSC€Pµ 48 C,PëP¶PSC-PI) C†PµĤPµPrPSC” P·P±C-P»ĤC€PµPSPSC† PjP°CÍPë
C,C-P»P° C† PïP°C†C-C”PSC,C-PI P±C†P»Ps 5,6 PePi (PïĤPë PjPµPrC-P°PSC-
P·P°CÍC,PsCÍC†PIP°PSPSC† 573 PrPSC-; N = 2021). PĤC-P»ĤPëC-CÍC,CH

PiP°C†C-C" PSC,C-PI, Cí CИPеPëC... CГPiPsCГC,PμCГC-PiP°P»PsCГCИ P·P±C-P»CHC€PμPSPSCИ PjP°CГPë C,C-P»P° PSPμ PjPμPSC€ PSC-PИ PSP° 7 %, 15 % P°P±Ps 25 % PiPsC±P°C,PePsPIPsC— PjP°CГPë, PiCГPë PrPsPIPiPsC,CГPëPIP°P»PsPjCí P·P°CГC,PsCГCíPIP°PSPSC— PsP»P°PSP·P°PiC-PSCí CГC,P°PSPsPIPëP»P° 64 %, 32 %B C,P° 12 % PIC-PrPiPsPIC-PrPSPs. PμCГPëPiPëPSPμPSPSCИ C,PμCГP°PiC-C— C±PμCГPμP· P·P±C-P»CHC€PμPSPSCИ PjP°CГPë C,C-P»P° PIC-PrP±CíP»PsCГCИ Cí 0,4 % PiP°C†C-C" PSC,C-PI, CИPеC- PsC,CГPëPjCíPIP°P»Pë P»C-PeCíPIP°PSPSCИ PsP»P°PSP·P°PiC-PSPsPj PiCГPsC,CИPiPsPj PSPμ PjPμPSC€ PSC-PИ 48 C,PëPИPSC-PI.

P"PëCГC,,P°PiC-CИ. PμPsCГCíC€PμPSPSCИ PμP·PsC,,P°PiP°P»CHPSPsC— PjPsC,PsCГPëPePë C,P° P·P°PrPëC€PeP° P±CíP»Pë P°CГPsC†C-PNëPsPIP°PSC- P· PiCГPëPNëPsPjPsPj P°PSC,PëPiCГPëC...PsC,PëC±PSPëC... P·P°CГPsP±C-PI. PГCГPiC-CГP°C†C-PNëPSP° PiPSPμPIPjPsPSC-CИ P±CíP»P° C±P°CГC,PsCГ PiCГPëC±PëPSPsCГ P·P°C...PIPsCГCГPIP°PSPsCГC,C- C,P° P»PμC,P°P»CHPSPsCГC,C- Cí PiP°C†C-C" PSC,C-PI C-P· C...PIPsCГPsP±PsCГ PГP»CHC†PiPμPNëPjPμCГP°. PГP»P°PSP·P°PiC-PS PSPμ CГC...PIP°P»PμPSPëPNë PrP»CИ P»C-PeCíPIP°PSPSCИ PiP°C†C-C" PSC,C-PI C-P· C...PIPsCГPsP±PsCГ PГP»CHC†PiPμPNëPjPμCГP°.

P PμPiCáP»CИC†C-CИ C,PμPjPiPμCГP°C,CáCГPë C,C-P»P°. PμPsCГCíC€PμPSPSCИ P·PrP°C,PSPsCГC,C- C,C-P»P° P·PSPëPИCíPIP°C,Pë CГPIPsCГ C,PμPjPiPμCГP°C,CíCГCí CГPiPsCГC,PμCГC-PiP°P»PsCГCИ Cí P·PiBГ™ CИP·PeCí C-P· P·P°CГC,PsCГCíPIP°PSPSCИPj P°PSC,PëPiCГPëC...PsC,PëPeC-PI. P PμPePsPjPμPSPPrPsPIP°PSPs P·PIP°PИP°C,Pë PSP° C†PμPNë C,,P°PeC, PiCГPë PiCГPëP·PSP°C±PμPSPSC- PsP»P°PSP·P°PiC-PSCí PiP°C†C-C" PSC,P°Pj, CИPеC- P·PSP°C...PsPrCИC,CHCГCИ PI CíPjPsPIP°C..., C%Ps PjPsPИCíC,CH PiCГPëP·PIPμCГC,Pë PrPs PiC-PrPIPëC%PμPSPSCИ C,PμPjPiPμCГP°C,CíCГPë C,C-P»P°, C,P°PePëC... CИPe PiPsCГPëP»PμPSC- C,CГPμPSCíPIP°PSPSCИ, PiPμCГPμP±CíPIP°PSPSCИ PI CíPjPsPIP°C... PμPeCГC,CГPμPjP°P»CHPSPëC... C,PμPjPiPμCГP°C,CíCГ, CГCíPiCíC, PSC" P·P°CГC,PsCГCíPIP°PSPSCИ P·P°CГPsP±C-PI P· P°PSC,PëC...PsP»C-PSPμCГPiC-C±PSPsCГ P°PeC,PëPIPSC-CГC,CГ P°P±Ps CГC,P°PS PrPμPiC-PrCГP°C,P°C†C-C—.

P—P°CГC,PsCГCáPIP°PSPSCИ PiP°C†C-C" PSC,P°Pj, CИPеC- PjP°CГC,CH CГCáPiCáC,PSC- P·P°C...PIPsCГCГPIP°PSPSCИ. PГP»C-PSC-C±PSPëPNë PrPsCГPIC-Pr P·P°CГC,PsCГCíPIP°PSPSCИ PsP»P°PSP·P°PiC-PSCí PiP°C†C-C" PSC,P°Pj C-P· PiPμPIPSPëPjPë P·P°C...PIPsCГCГPIP°PSPSCИPjPë PsP±PjPμPИPμPSPëPNë. PГP»P°PSP·P°PiC-PS PiPsCГPëP»CГC" in vitro P°C,,C-PSPSC-CГC,CH PrPs PjCíCГPeP°CГPëPSPsPIPëC... CГPμC†PμPiC,PsCГC-PI. Pj C...PsPrC- PiCГPμPjP°CГPePμC,PëPSPiPsPIPëC... PeP»C-PSC-C±PSPëC... PrPsCГP»C-PrPИPμPSCH PsP»P°PSP·P°PiC-PSCí PNëPsPiPs P·P°CГC,PsCГCíPIP°PSPSCИ P±CíP»Ps P°CГPsC†C-PNëPsPIP°PSPμ C-P· P·P°PiPsCГP°PjPë, PIC-PrC±CíC,C,CИPj CГCíC...PsCГC,C- PI CГPsC,C-, C,P°C...C-PeP°CГPrC-C" CГ C,P° C-PSC€PëPjPë PiPsP±C-C±PSPëPjPë CИPIPëC%P°PjPë, C%Ps, PjPsPИP»PëPIPs, PiPsPiBГ™ CИP·P°PSC- P· C...PsP»C-PSPμCГPiC-C±PSPëPj P°PSC,P°PiPsPSC-P·PjPsPj. PμPsPrC-P±PSC- PiPsP±C-C±PSC- CГPμP°PeC†C-C— PSPμC±P°CГC,Ps PiPëPjP°PiP°P»Pë PiCГPëPiPëPSPμPSPSCИ C,PμCГP°PiC-C— PsP»P°PSP·P°PiC-PSPsPj, P°P»Pμ PSPμPsP±C...C-PrPSPs P· PsP±PμCГPμPИPSC-CГC,CГ P·P°CГC,PsCГCíPIP°PSPSCИ,Pë PsP»P°PSP·P°PiC-PS PiP°C†C-C" PSC,P°Pj C-P· PeP»C-PSC-C±PSPs P·PSP°C±CíC%PsCГ PiC-PiPμCГC,CГPsC,,C-C" CГ PiCГPsCГC,P°C,Pë, PICíP·CHPePsPeCíC,PsPIPsCГ PiP»P°CíPePsPjPsCГ, PiP°CГP°P»C-C,PëC±PSPsCГ PSPμPiCГPsC...C-PrPSC-CГC,CГ PePëC€PμC±PSPëPeCí PI P°PSP°PjPSPμP·C- P°P±Ps P·C- CГPiPsCГC-PrPSPμPSPëPjPë CГC,P°PSP°PjPë, CГPiCГPëC±PëPSPμPSPëPjPë C...PsP»C-PSPμCГPiC-C±PSPëPj P°PSC,P°PiPsPSC-P·PjPsPj, CИPеC- PjPsPИCíC,CH PiPsPiC-CГC€CíPIP°C,PëCГCИ Cí PiCГPëCГCíC,PSPsCГC,C- PsP»P°PSP·P°PiC-PSCí. Pj C...PsPrC- 5 PiP»P°C†PμP±Ps-PePsPSC,CГPsP»CHPSPiP°PSPëC... PrPsCГP»C-PrPИPμPSCH

PsP»P°PSP·P°PīC-PSCf Cr PīP°C†C-C"PS C,PI P»C-C,PSCHbPsPiPs PIC-PeCr C-P·
PīCfPēC...PsP·PsPj, PīPsPIbĤ™ CĪP·P°PSPēPj P· PrPμPjPμPSC†C-C"CH (n = 1184),
CfPīPsCfC, PμCĤC-PiP°P»PēCfCĪ C, P°PeC- PīPsP±C-C†PSC- CĤPμP°PeC†C-C—,
PīPsPIbĤ™ CĪP·P°PSC- C-P· C, PμCĤP°PīC-C"CH, C-P· C†P°CfC, PsC, PsCH
PIPēPSPēPePSPμPSPSCĪ PSPμ PjPμPSC€Pμ 2 %, CĪPeP° P·PSP°C†CfC%Ps
PīPμCĤPμPIPēC%CrPIP°P»P° C, P°PeCf Cr PīP°C†C-C"PS C,PI PiCĤCfPīPē PīP»P°C†PμP±Ps:
PīP°PrC-PSPSCĪ, CfPsPSP»PēPIC-CfC, CH, PīPμCĤPēC,, PμCĤPēC†PSC- PSP°P±CĤCĪPePē,
PīPsCĤCfC€PμPSPSCĪ C...PsPrPē, PSPμC, CĤPēPjP°PSPSCĪ CfPμC†C-, P»PμC, P°CĤPīC-CĪ,
P·P±C-P»CHC€PμPSPSCĪ PjP°CfPē C, C-P»P°, P°CfC, PμPSC-CĪ, PīC-CĤPμPeCfC-CĪ,
PīPSPμPIPjPsPSC-CĪ, PIC-PrC†CfC, C, CĪ CfCfC...PsCfC, C- PI CĤPsC, C- C, P° P·PsCĤPsPIC-
PīP°P»CHC†PēPSP°C†C-C—. PšP°CfC, PsC, P° PīCĤPēPīPēPSPμPSPSCĪ C, PμCĤP°PīC-C—
C†PμCĤPμP· PīPsP±C-C†PSC- CĪPIPēC%P° P±CfPI PIPēC%PēPNē Cr PīCĤCfPīC-, CĪPeP°
PsC, CĤPēPjCfPIP°P»P° PsP»P°PSP·P°PīC-PS, PīPsCĤC-PIPSCĪPSPs P· PīP»P°C†PμP±Ps (13 %
PīPsCĤC-PIPSCĪPSPs P· 7 %). PJ PīP°C†C-C"PS C,PI P»C-C,PSCHbPsPiPs PIC-PeCr C-P·
PīCfPēC...PsP·PsPj, PīPsPIbĤ™ CĪP·P°PSPēPj P· PrPμPjPμPSC†C-C"CH, CĪPeC-
PsC, CĤPēPjCfCH, CH PsP»P°PSP·P°PīC-PS, PIPēC%PēPNē CĤC-PIPμPSCH
P»PμC, P°P»CHbPSPScfC, C- PīPsCĤC-PIPSCĪPSPs P· PiCĤCfPīPsCH PīP»P°C†PμP±Ps.
PħP»P°PSP·P°PīC-PS PSPμ PīPsPeP°P·P°PSPēPNē PrP»CĪ P»C-PeCfPIP°PSPSCĪ
PīP°C†C-C"PS C,PI P»C-C,PSCHbPsPiPs PIC-PeCr C-P· PīCfPēC...PsP·PsPj,
PīPsPIbĤ™ CĪP·P°PSPēPj P· PrPμPjPμPSC†C-C"CH. PħP»P°PSP·P°PīC-PS PSPμ
P·P°CfC, PsCfPsPICfPIP°PICfCĪ PI PrPsCfC, P°C, PSC-PNē PeC-P»CHbPePsCfC, C-
PIPēPīP°PrPeC-PI PīP°C†C-C"PS C, Pj P· PSPμC%PsPrP°PIPSC-Pj C-PSC,, P°CĤPeC, PsPj
PjC-PsPeP°CĤPrP° P°P±Ps PSPμCfC, P°P±C-P»CHbPSPēPj CfPμCĤC†PμPIPēPj
P·P°C...PIPScĤCĤPIP°PSPSCĪPj. PμP°C†C-C"PS C, Pē P· PIPēC%PμPIPēP°P·P°PSPēPjPē
PrC-P°PiPSPsP·P°PjPē P±CfP»Pē PIPēPeP»CHC†PμPSC- P· PīCĤPμPjP°CĤPePμC, PēPSPiPsPIPēC...
PeP»C-PSC-C†PSPēC... PrPsCfP»C-PrP¶PμPSCH. PŸP»C-Pr P· PsP±PμCĤPμP¶PSC-CfC, CH
P·P°CfC, PsCfPsPICfPIP°C, Pē PsP»P°PSP·P°PīC-PS PrP»CĪ P»C-PeCfPIP°PSPSCĪ
PīP°C†C-C"PS C,PI C-P· CfPμCĤC†PμPIPēPjPē P·P°C...PIPScĤCĤPIP°PSPSCĪPjPē C†PμCĤPμP·
CĤPēP·PēPe PIPēPSPēPePSPμPSPSCĪ PsCĤC, PsCfC, P°C, PēC†PSPsC— PīC-PīPsC, PμPSP·C-C—.

*P»P°P±PsCĤP°C, PsCĤPSC- PrPsCfP»C-PrP¶PμPSPSCĪ. P PμPePsPjPμPSPPrCfC" C, CHCfCĪ
PePsPSC, CĤPsP»CHPIP°C, Pē PiP»CHPePsP·Cf PSP°C, C%Pμ C, P° P»C-PīC-PrPSPēPNē
PīCĤPsC,, C-P»CH PSP° PīPsC†P°C, PeCf P»C-PeCfPIP°PSPSCĪ C, P° PīPμCĤC-PsPrPēC†PSPs
PīC-Pr C†P°Cf P»C-PeCfPIP°PSPSCĪ.*

*P"C-PiPμCĤPīCĤPsP»P°PeC, PēPSPμPjC-CĪ. PīPe C- C-PSC€C- P·P°CfPsP±Pē P·
PIP»P°CfC, PēPIPScfC, CĪPjPē P°PSC, P°PiPsPSC-CfC, C-PI PrPsPīP°PjC-PSPsPIPēC...
CĤPμC†PμPīC, PsCĤC-PI D₂, PsP»P°PSP·P°PīC-PS PīC-PrPIPēC%CrC" PI PeCĤPsPIC-
CĤC-PIPSC- PīCĤPsP»P°PeC, PēPSCf, C- C†Pμ PīC-PrPIPēC%PμPSPSCĪ
P·P±PμCĤC-PiP°C"C, CHCfCĪ PīCĤPē C, CĤPēPIP°P»PsPjCf P·P°CfC, PsCfCfPIP°PSPSC-.
P"C-PiPμCĤPīCĤPsP»P°PeC, PēPSPμPjC-CĪ PjPsP¶Pμ PīCĤPēPiPSC-C†CfPIP°C, Pē
PīC-PīPsC, P°P»P°PjC-C†PSPēPNē PīPsCĤPjPsPS GnRH, CĤPμP·CfP»CHbC, P°C, PsPj
C†PsPiPs C" P·PSPēP¶PμPSPSCĪ CfPμPeCĤPμC†C-C— PīC-C, CfC—C, P°CĤPSPsPiPs
PīPsPSP°PrPsC, CĤPsPīC-PSCf. PjPμ, PI CfPIPScĤ C†PμCĤPīCf, PjPsP¶Pμ
C-PSPiC-P±CfPIP°C, Pē CĤPμPīCĤPsPrCfPeC, PēPIPSCf C,, CfPSPeC†C-CH C€P»CĪC...PsPj
PīPsCĤCfC€PμPSPSCĪ PīPsPSP°PrPSPsPiPs CfPīPμCĤPjP°C, PsPiPμPSPμP·Cf CĪPe Cf
C†PsP»PsPIC-PeC-PI, C, P°Pe C- Cf P¶C-PSPsPe. PμPsPIC-PrPsPjP»CĪP»PsCfCĪ PīCĤPs
PīP°P»P°PeC, PsCĤPμCĤ, P°PjPμPSPsCĤPμCĤ, PīC-PSPμPePsPjP°CfC, C-CH C, P°
C-PjPīPsC, PμPSC†C-CH Cr PīP°C†C-C"PS C,PI, CĪPeC- PsC, CĤPēPjCfPIP°P»Pē
PīCĤPμPīP°CĤP°C, Pē, C%Ps PīC-PrPIPēC%CrPIP°P»Pē CĤC-PIPμPSCH*

PiC7PsP»P°PeC,PePSCr. P°PsPIPiPsC,C7PePIP°P»P°
PiC-PiPµC7PiC7PsP»P°PeC,PePSPµPjC-CI, P°C7PsC7C-PN2PsPIP°PSP° C-P.
PiC-PiPsPiPsPSP°PrPëP·PjPsPj, PjPsP¶Pµ PiC7PëP·PIPµC7C,Pë PrPs P·PSPëP¶PµPSPSCII
C%0C-P»CHPSPsC7C,C- PeC-C7C,PsPe CIµPe Cr C7PsP»PsPIC-PeC-PI, C,P°Pe C- Cr
P¶C-PSPsPe.

P°PsPrP°C,PePsPIC- PrPsC7P»C-PrP¶PµPSPSCII/ P»P°P±PsC7P°C,PsC7PSC- PrP°PSC-
P°PµC7CrC7Pë PrPs CrPIP°PiPë, C%0Ps Cr C...PsPrC- PrPµCIµPePëC... PrPsC7P»C-PrP¶PµPSC7
PSP° C,PIP°C7PëPSP°C... C7PisC7C,PµC7C-PiP°P»P°C7CI PSPµPN2C,C7PsPiPµPSC-CI,
P°C7PsC7C-PN2PsPIP°PSP° C-P. PiC7PëPN2PsPjPsPj C-PSCëPëC... PiC7PëC...PsC,C7PsPiPSPëC...
PePsPjPiPsPSPµPSC,C-PI, C,P° P»PµPN2PePsPiPµPSC-CI, P°C7PsC7C-PN2PsPIP°PSP° C-P.
PiC7PëPN2PsPjPsPj PsP»P°PSP·P°PiC-PSCr (PrPëPI. B«PÿPsPeC7PëPePsP»PsPiC-C7PSC-
PrPsC7P»C-PrP¶PµPSPSCII PSP° C,PIP°C7PëPSP°C...B» PSPëP¶C7Pµ),
PiPµPjP°C,PsP»PsPiC-C7PSC- PiP°C7P°PjPµC,C7Pë PsC7C-PSC7PIP°P»PëC7CH P·
PsC7PsP±P»PëPIPsC7 CrPIP°P¶PSC-C7C,CH Cr PiC7PµPjP°C7PePµC,PëPSPiPsPIPëC...
PrPsC7P»C-PrP¶PµPSPSCII C... PsP»P°PSP·P°PiC-PSCr. Pj C7PëC...
PrPsC7P»C-PrP¶PµPSPSCII C... PSPµ P±CrP»Ps PIPëCIµPIP»PµPSPs C7PëP·PëPeCr
PIPëPSPëPePSPµPSPSCII PeP»C-PSC-C7PSPs P·PSP°C7C7C%0PsC— PSPµPN2C,C7PsPiPµPSC-C—,
PiPsPiB7™ CIµP·P°PSPsC— P· P»C-PeCrPIP°PSPSCII Pj PsP»P°PSP·P°PiC-PSPsPj.

PµPsC7C,PjP°C7PePµC,PëPSPiPsPIC- P·PIC-C,Pë.

P—PIC-C,Pë PiC7Ps PiPsP±C-C7PSC- C7PµP°PeC7C-C— P· PjPsPjPµPSC,Cr PIPëC...PsPrCr
PsP»P°PSP·P°PiC-PSCr PSP° C7PëPSPsPe, CIµPeC- P±CrP»Pë P·P° C7P°C7PsPj
PiPsPiB7™ CIµP·P°PSC- (P°P»Pµ PSPµ PsP±PsPiB7™ CIµP·PePsPIPs C7PiC7PëC7PëPSPµPSC-) P·
C,PµC7P°PiC-C7CH PsP»P°PSP·P°PiC-PSPsPj, PIPëP»C7C7P°P»Pë PSPµPN2C,C7PsPiPµPSC-C7.

PÿPsPeC7PëPePsP»PsPiC-C7PSC- PrPsC7P»C-PrP¶PµPSPSCII PSP° C,PIP°C7PëPSP°C....

PµC-Pr C7P°C7 PrPsC7P»C-PrP¶PµPSC7 PsP»P°PSP·P°PiC-PSCr PSP° C,PIP°C7PëPSP°C...
PsC7PSPsPIPSPëPjPë PiPµPjP°C,PsP»PsPiC-C7PSPëPjPë PiPsC7CrCëPµPSPSCII PjPë P±CrP»Pë
PsP±PsC7PsC,PSP° PiPµC7PëC,,PµC7PëC7PSP° C7PëC,PsPiPµPSC-CI PI PsPeC7PµPjPëC...
PsC7PsP±PëPS C7PsP±P°Pe PiC7Pë PrPsP·CrPIP°PSPSC- 10 PjPi/PePi (Cr 17 C7P°P·C-PI
P±C-P»CHCëPµ P·P° PjP°PeC7PëPjP°P»CHPSCr C7PµPePsPjPµPSPPrPsPIP°PSCr PrPµPSPSCr
PiPµC7PsC7P°P»CHPSCr PrPsP·Cr PrP»CI P»C7PrPëPSPë PiC7Pë C7PsP·C7P°C...CrPSPeCr
PrPsP·Pë Cr PjPi/Pj² PiPsPIPµC7C...PSC- C,C-P»P°), PrPsP·PsP·P°P»PµP¶PSPµ P·PSPëP¶PµPSPSCII
PeC-P»CHPePsC7C,C- P»C-PjC,,PsC7PëC,C-PI C- PSPµPN2C,C7PsC,,C-P»C-PI Cr PjPëCëPµPN2 C-
P»C-PjC,,PsPiPµPSC-CI Cr C%0CrC7C-PI. Pj PeC-P»CHPePsC... C7PsP±P°Pe, CIµPeC-
PsC,C7PëPjCrPIP°P»Pë PrPsP·Pë 10 PjPi/PePi, C7PsP·PIPëPSCrP»P°C7CH PsP±PsC7PsC,PSP°
PSPµPN2C,C7PsPiPµPSC-CI C,P°/P°P±Ps PsP±PsC7PsC,PSP° PiPµPjPsP»C-C,PëC7PSP°
P°PSPµPjC-CI Cr PiPµC7C-PsPr PjC-P¶ 1 C- 10 PjC-C7CIµC7CIµPjPë P»C-PeCrPIP°PSPSCII.
P°PsP·PsP·P°P»PµP¶PSPµ P·PSPëP¶PµPSPSCII PeC-P»CHPePsC7C,C- P»C-PjC,,PsC7PëC,C-PI C-
PSPµPN2C,C7PsC,,C-P»C-PI PIC-PrP·PSP°C7P°P»PsC7CI PI PjPëCëPµPN2, C%0Ps
PsC,C7PëPjCrPIP°P»Pë PrPsP·Cr 10 PjPi/PePi (PrPsC7C-PIPSC7C" PrPIPSC7P°P·PsPIC-PN2
PjP°PeC7PëPjP°P»CHPSC-PN2 C7PµPePsPjPµPSPPrPsPIP°PSC-PN2 C%0PsPrPµPSPSC-PN2
PiPµC7PsC7P°P»CHPSC-PN2 PrPsP·C- PrP»CI P»C7PrPëPSPë PiC7Pë C7PsP·C7P°C...CrPSPeCr
PrPsP·Pë Cr PjPi/Pj² PiPsPIPµC7C...PSC- C,C-P»P°) Cr C...PsPrC- PrPsC7P»C-PrP¶PµPSC7
C,C7PëPIP°P»C-C7C,CH 3 PjC-C7CIµC7C-. PkPµC7PiPµC7PëC,,C-C7PSP° P»C-PjC,,PsPiPµPSC-CI,
PIC-PrPiPsPIC-PrPSPs PrPs P·PSPëP¶PµPSPSCII PiC7PëC7PsC7C,Cr PjP°C7Pë C,C-P»P°,
C7PisC7C,PµC7C-PiP°P»P°C7CI Cr C%0CrC7C-PI, CIµPeC- PsC,C7PëPjCrPIP°P»Pë PrPsP·Cr
22,5 PjPi/PePi (Cr 11 C7P°P·C-PI P±C-P»CHCëPµ P·P° PjP°PeC7PëPjP°P»CHPSCr

PePsPSC,CTjPsP»CtPIP°c,Pë CÍc,P°PS PSPsPIPsPSP°CTjPsPrP¶PµPSPëC....

PµCTjPë PrPsCÍP»C-PrP¶PµPSPSC- P·PrPsCTjPsPIPëC... P¶C-PSPsPe, C¶PeC- PiPsPrCÍPIP°P»Pë
PiCTjCÍPrPrCt, PsP»P°PSP·P°PíC-PS P±CÍP»Ps PIPëC¶PIP»PµPSPs CÍ PiCTjCÍPrPSPsPjCÍ
PjPsP»PsC†C-. P¶PµCTjPµPrPSC¶ PrPsP·P° PrP»C¶ PSPµPjPsPIP»C¶C,Pë (PjPi/PePi) P±PµP·
CTjPëP·PëPeCÍ PrP»C¶ PSCtPsPiPs PsC†C-PSCtPIP°P»P°CÍC¶ C¶Pe 1,8 %
PjP°c,PµCTjPëPSCÍcHbPePsC— PrPsP·Pë (PjPi/PePi). PµP°C†C-C°PSC,PeP°Pj
CTjPµPePsPjPµPSPrCÍc°c,CHCÍC¶ PSPµ PiPsPrCÍPIP°c,Pë PSPµPjPsPIP»C¶C, PiCTjCÍPrPrCt,
C¶PeC°Ps PIPsPSPë PiCTjPëPµPjP°cHc,CH PsP»P°PSP·P°PíC-PS.

PµPµCTjC,PëP»CHbPSC-CÍc,CH. P°PíP»PëPI PSP° C,,PµCTjC,PëP»CHbPSC-CÍc,CH
PSPµPIC-PrPsPjPëPµ (PrPsPeP»C-PSC-C†PSC- PrP°PSC- PrPëPI. CÍ CTjPsP·PrC-P»C-
B«P°PsPeP»C-PSC-C†PSC- PrP°PSC- P· P±PµP·PíPµPePëB» PIPëC°Pµ).

*P—PrP°c,PSC-CÍc,CH PIPíP»PëPIP°c,Pë PSP° C¶PIPëPrPeC-CÍc,CH CTjPµP°PeC†C-C— PiCTjPë
PePµCTjCáPIP°PSPSC- P°PIC,PsC,CTjP°PSCÍPíPsCTjC,PsPj P°P±Ps C-PSC¶PëPjPë
PjPµC...P°PSC-P·PjP°PjPë.*

P°PsCÍP»C-PrP¶PµPSCt PIPíP»PëPICÍ PsP»P°PSP·P°PíC-PSCÍ PSP° C¶PIPëPrPeC-CÍc,CH
CTjPµP°PeC†C-C— PiCTjPë PePµCTjCÍPIP°PSPSC- P°PIC,PsC,CTjP°PSCÍPíPsCTjC,PsPj P°P±Ps
CTjPsP±PsC,C- P· C-PSC¶PëPjPë PjPµC...P°PSC-P·PjP°PjPë PSPµ PiCTjPsPIPsPrPëP»Pë.
P¶CÍPeC-P»CHbPePë PsP»P°PSP·P°PíC-PS PjPsP¶Pµ CÍPíCTjPëC†PëPSPëC,Pë
CÍPsPSP»PëPIC-CÍc,CH C,P° P·P°PíP°PjPsCTjPsC†PµPSPSC¶, PíP°C†C-C°PSC,C-PI CÍP»C-Pr
PiPsPiPµCTjPµPrPëC,Pë PiCTjPs PSPµP±PµP·PíPµPeCÍ, PiPsPIb¶™ C¶P·P°PSCÍ P·
PµPeCÍPíP»CÍP°c,P°C†C-C°Ct PjPµC...P°PSC-P·PjC-PI, CÍ C,. C†.
P°PIC,PsC,CTjP°PSCÍPíPsCTjC,PSPëC... P·P°CÍPsP±C-PI.

P¶PíPsCÍc-P± P·P°CÍc,PsCÍcáPIP°PSPSC¶ C,P° PrPsP·Pë.

P°PsCTjPsCÍP»C-.

*PëPëP·PsC,,CTjPµPSC-C¶. P PµPePsPjPµPSPrPsPIP°PSP° PiPsC†P°c,PePsPIP° PrPsP·P°
PsP»P°PSP·P°PíC-PSCÍ CÍc,P°PSPsPIPëC,CH 10 PjPi 1 CTjP°P· PSP° PrPsP±CÍ.*

*P°P°PSC-P°PeP°P»CHbPSC- PµPíC-P·PsPrPë. P PµPePsPjPµPSPrPsPIP°PSP°
PiPsC†P°c,PePsPIP° PrPsP·P° PsP»P°PSP·P°PíC-PSCÍ C¶Pe PjPsPSPsC,PµCTjP°PíC-C—
CÍc,P°PSPsPIPëC,CH B B B B 15 PjPi PSP° PrPsP±CÍ P°P±Ps 10 PjPi PSP° PrPsP±CÍ
PiCTjPë PePsPjP±C-PSPsPIP°PSPsPjCÍ P»C-PeCÍPIP°PSPSC-.*

*PµCTjPsC,,C-P»P°PeC,PëPeP° PiPsPIC,PsCTjPSPëC... PSP°PíP°PrC-PI Cá PíP°C†C-C°PSC,C-PI P·
P±C-PíPsP»C¶CTjPSPëPjPë CTjPsP·P»P°PrP°PjPë. P PµPePsPjPµPSPrPsPIP°PSP°
PiPsC†P°c,PePsPIP° PrPsP·P° CÍc,P°PSPsPIPëC,CH 10 PjPi PSP° PrPsP±CÍ. PµP°C†C-C°PSC,Pë P·
P±C-PíPsP»C¶CTjPSPëPjPë CTjPsP·P»P°PrP°PjPë, C¶PeC- PsC,CTjPëPjCÍPIP°P»Pë
PsP»P°PSP·P°PíC-PS PrP»C¶ P»C-PeCÍPIP°PSPSC¶ PjP°PSC-P°PeP°P»CHbPSPëC...
PµPíC-P·PsPrC-PI, PiCTjPsPrPsPIP¶CÍcHc,CH PsC,CTjPëPjCÍPIP°c,Pë PsP»P°PSP·P°PíC-PS CÍ
C,PsPjCÍ P¶ PrPsP·CÍPIP°PSPSC- C- PrP»C¶ PiCTjPsC,,C-P»P°PeC,PëPePë PiPsPIC,PsCTjPSPëC...
PSP°PíP°PrC-PI. P—P° CÍPjPsPIPë CTjPsP·PIPëC,PeCÍ PSPsPIPsPiPs
PjP°PSC-P°PeP°P»CHbPSPsPiPs, PrPµPiCTjPµCÍPëPIPSPsPiPs P°P±Ps P·PjC-C¶P°PSPsPiPs*

PμPīC-P·PsPrCí P»C-PeCíPIP°PSPSCĪ PSPμPsP±C...C-PrPSPs PīCĤPsPrPsPIP¶CíPIP°C,Pē (Cí CĤP°P·C- PSPμPsP±C...C-PrPSPsCíC,C- PsPīC,PēPjC-P·CíPIP°PICεPē PrPsP·Cí) CĤP°P·PsPj C-P· PīC-PrC,CĤPēPjCíCĤC±PsCĤ C,PμCĤP°PīC-C"Ĥ PrP»CĪ P»C-PeCíPIP°PSPSCĪ CíPēPjPīC,PsPjC-PI PīPsCĤCíCεPμPSPSCĪ PSP°CíC,CĤPsCĤ, CĪPeC%oPs C" PeP»C-PSC-C±PSP° PSPμPsP±C...C-PrPSC-CíC,CĤ.

P»C-PeCáPIP°PSPSCĪ CεPēP·PsC,,CĤPμPSC-C-, PjP°PSC-P°PeP°P»CĤPSPēC... PμPīC-P·PsPrC-PI C,P° PīPsPīPμCĤPμPrP¶PμPSPSCĪ CĤPμC±PēPrPēPIC-PI P±C-PīPsP»CĪCĤPSPsPīPs CĤPsP·P»P°PrCá. P©PsPrPμPSPSCí PrPsP·Cí PIPēP·PSP°C±P°C,Pē PSP° PīC-PrCíC,P°PIC- PeP»C-PSC-C±PSPsPīPs CíC,P°C,CíCíCí PI PrC-P°PīP°P·PsPSC- PIC-Pr 5 PrPs 20 PjPi PSP° PrPsP±Cí. P—P±C-P»CĤCεPμPSPSCĪ CĤPμPePsPjPμPSPPrPsPIP°PSPsC— PīPsC±P°C,PePsPIPsC— PrPsP·Pē PīCĤPsPIPsPrPēC,Pē P· C-PSC,PμCĤPIP°P»P°PjPē PSPμ PjPμPSCεPμ B B B B B B B B B B 24 PīPsPrPēPS P»PēCεPμ PīC-CíP»CĪ PeP»C-PSC-C±PSPsPīPs PsP±CíC,PμP¶PμPSPSCĪ. PĥP»P°PSP·P°PīC-PS P·P°CíC,PsCíPsPICíPIP°C,Pē PSPμP·P°P»PμP¶PSPs PIC-Pr PīCĤPēPNēPsPjCí C—P¶C-, PsCíPeC-P»CĤPePē PIP¶PēPIP°PSPSCĪ C—P¶C- PSPμ PIPīP»PēPIP°C" PSP° P°P±CíPsCĤP±C±C-CĤ PīCĤPμPīP°CĤP°C,Cí. PμCĤPē PIC-PrPjC-PSC- PīCĤPμPīP°CĤP°C,Cí P·P°PIPμCĤCεPμPSPSCĪ C,PμCĤP°PīC-C— PīPsC,CĤC-P±PSPs PīCĤPsPIPsPrPēC,Pē PīPsCíC,CíPīPsPIPs.

P" C-C,Pē. P—P°CíC,PsCíCíPIP°PSPSCĪ PsP»P°PSP·P°PīC-PSCí PrC-C,CĪPj C,P° PīC-PrP»C-C,PeP°Pj PSPμ CĤPμPePsPjPμPSPPrPsPIP°PSPμ Cí P·PIBĤ™ CĪP·PeCí P· PSPμPrPsCíC,P°C,PSC-CíC,CĤ PrP°PSPēC... P· P±PμP·PīPμPePē C,P° PμC,,PμPeC,PēPIPsCíC,C-. Pj C...PsPrC- PePsCĤPsC,PePsCíC,CĤPsPePsPIPēC... PrPsCíP»C-PrP¶PμPSCĤ Cí PīP°C±C-C" PSC,C-PI PīC-PrP»C-C,PePsPIPsPīPs PIC-PeCí PIC-PrP·PSP°C±P°P»PsCíCĪ P·P±C-P»CĤCεPμPSPSCĪ PjP°CíPē C,C-P»P°, P·PjC-PSPē CĤC-PIPsC-PI PīCĤPsP»P°PeC,PēPSCí C,P° P»C-PīC-PrC-PI PīPsCĤC-PIPsCĪPSPs P· PrPsCĤPsCíP»PēPjPē.

PμP°C±C-C" PSC,Pē P»C-C,PSCHPsPīPs PIC-PeCá. PμCĤPēP·PSP°C±PμPSPSCĪ PjPμPSCεPsC— PīPsC±P°C,PePsPIPsC— PrPsP·Pē (5 PjPi PSP° PrPμPSCĤ) P·P°P·PIPēC±P°PNē PSPμ PīPsC,CĤC-P±PSPμ. PkPμPsP±C...C-PrPSC-CíC,CĤ PīCĤPēP·PSP°C±PμPSPSCĪ PjPμPSCεPsC— PīPsC±P°C,PePsPIPsC— PrPsP·Pē PīPsC,CĤC-P±PSPs CĤPsP·PīP»CĪPrP°C,Pē PrP»CĪ PīP°C±C-C" PSC,C-PI PIC-PePsPj PīPsPSP°Pr 65 CĤPsPeC-PI PīCĤPē PSP°CĪPIPsCíC,C- PeP»C-PSC-C±PSPēC... PīPsPeP°P·P°PSCĤ.

PμP°C±C-C" PSC,Pē P· PSPēCĤPePsPIPsCĤ C,P°/P°P±Ps PīPμC±C-PSPePsPIPsCĤ PSPμPrPsCíC,P°C,PSC-CíC,CĤ. PŷP°PePēPj PīP°C±C-C" PSC,P°Pj PjPsP¶PSP° PīCĤPēP·PSP°C±P°C,Pē PjPμPSCεCí PīPsC±P°C,PePsPICí PrPsP·Cí (5 PjPi PSP° PrPμPSCĤ). Pj CĤP°P·C- PSP°CĪPIPsCíC,C- PīPsPjC-CĤPSPsC— PīPμC±C-PSPePsPIPsC— PSPμPrPsCíC,P°C,PSPsCíC,C- (C±PēCĤPsP·, PeP»P°CíPē PSPμPrPsCíC,P°C,PSPsCíC,C- Pĥ P°P±Ps P' P·P° CεPeP°P»PsCĤ PŷP°PNēP»PrP° BĤ" PμBĤ™ CĤ) PīPsC±P°C,PePsPIP° PrPsP·P° PīPsPIPēPSPSP° CíC,P°PSPsPIPēC,Pē 5 PjPi, C- PīC-PrPIPēC%oCíPIP°C,Pē PrPsP·Cí PSPμPsP±C...C-PrPSPs P· PsP±PμCĤPμP¶PSC-CíC,CĤ.B

PŸC,P°C,CĤ. PĥPsCĤPμPeC±C-CĪ PrPsP·Pē P·P°P»PμP¶PSPs PIC-Pr CíC,P°C,C- PīP°C±C-C" PSC,P° PSPμ PīPsC,CĤC-P±PSP°.

PμP°C±C-C" PSC,Pē, CĪPeC- PīP°P»CĪC,CĤ. PμPsC±P°C,PePsPIP° PrPsP·P° C,P°

PrC-P°PīP°P·PsPS PrPsP· PrP»CІ PīP°C†C-C”PSC,C-PI, CІPeC- PSPμ PīP°P»CІC,CH, PSPμ PīPsC,CḡPμP±CfCḡC,CH CḡCfC,PēPSPSPēC... PePsCḡPēPiCfPIP°PSCḡ PīPsCḡC-PIPSCІPSPs P· PrPsP·P°PjPē, C%Ps P·P°CfC,PsCfPsPICfCḡC,CHCfCІ PrP»CІ PīP°C†C-C”PSC,C-PI, CІPeC- PīP°P»CІC,CH.

PμP°P»C-PSPSCІ PjPsP¶Pμ CfPīCḡPēC±PēPSCІC,Pē PjPμC,P°P±PsP»C-P·Pj PsP»P°PSP·P°PīC-PSCf. P PμPePsPjPμPSPPrCfC”C,CHCfCІ PeP»C-PSC-C±PSPμ CfPīPsCfC,PμCḡPμP¶PμPSPSCІ. Pj CḡP°P·C- PSPμPsP±C...C-PrPSPsCfC,C- bḡ” CḡPsP·PīP»CІPSCfC,Pē PjPsP¶P»PēPIC-CfC,CH PīC-PrPIPēC%PμPSPSCІ PrPsP·Pē PsP»P°PSP·P°PīC-PSCf (PrPēPI. CḡPsP·PrC-P» B«PḡCfPsP±P»PēPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCІB»).

P”C-C,Pē.

PḡP»P°PSP·P°PīC-PS PSPμ CḡPμPePsPjPμPSPPrPsPIP°PSPēPNē PrP»CІ P»C-PeCfPIP°PSPSCІ PrC-C,PμPNē C,P° PīC-PrP»C-C,PeC-PI (PIC-PePsPj PrPs 18 CḡPsPeC-PI) C±PμCḡPμP· PIC-PrCfCfC,PSC-CfC,CH PrP°PSPēC... C%PsPrPs P±PμP·PīPμPePē PNē PμC,,PμPeC,PēPIPsCfC,C-. Pj PePsCḡPsC,PePsC,PμCḡPjC-PSPsPIPēC... PrPsCfP»C-PrP¶PμPSPSCІC... P·P° CfC±P°CfC,Cḡ PīP°C†C-C”PSC,C-PI-PīC-PrP»C-C,PeC-PI PīPsPIC-PrPsPjP»CІP»PsCfCІ PīCḡPs P±C-P»CHCεC- P·PSP°C±PμPSPSCІ PīC-PrPIPēC%PμPSPSCІ PjP°CfPē C,C-P»P°, P·PjC-PS CḡC-PIPSC-PI P»C-PīC-PrC-PI C- PīCḡPsP»P°PeC,PēPSCf, PSC-P¶ Cf PrPsCfP»C-PrP¶PμPSPSCІC... P·P° CfC±P°CfC,Cḡ PrPsCḡPsCfP»PēC... PīP°C†C-C”PSC,C-PI (PrPēPI. CḡPsP·PrC-P»Pē B«PḡCfPsP±P»PēPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCІB», B«PμPsP±C-C±PSC- CḡPμP°PeC†C-C—B», B«PαP°CḡPjP°PePsPrPēPSP°PjC-PeP°B», B«PαP°CḡPjP°PePsPeC-PSPμC,PēPeP°B»).

PμPμCḡPμPrPsP·CzPIP°PSPSCІ.

PŸPēPjPīC,PsPjPē. P”CfP¶Pμ PīPsCεPēCḡPμPSC- (> 10 %): C,P°C...C-PeP°CḡPrC-CІ, P°P¶PēC,P°C†C-CІ/P°PīCḡPμCfPēPIPSC-CfC,CH, PrPēP·P°CḡC,CḡC-CІ, CḡC-P·PSC- PμPeCfC,CḡP°PīC-CḡP°PjC-PrPSC- CfPēPjPīC,PsPjPē C,P° P·PSPēP¶PμPSPēPNē CḡC-PIPμPSCḡ CfPIC-PrPsPjPsCfC,C-, C%Ps PIP°CḡC-CḡC”C,CHCfCІ PIC-Pr CfPμPrP°C†C-C— PrPs PePsPjPē.

P†PSCεPēPjPē P·PSP°C±PSPēPjPē CfCfPeP»P°PrPSPμPSPSCІPjPē PīPμCḡPμPrPsP·CfPIP°PSPSCІ C” PrPμP»C-CḡC-PNē, CfCfPrPsPjPē, PePsPjP°, PjPsP¶P»PēPIC-CfC,CH PSPμPNēCḡPsP»PμPīC,PēC±PSPsPiPs P·P»PsCІPeC-CfPSPsPiPs CfPēPSPrCḡPsPjCf, PīCḡPēPiPSC-C±PμPSPSCІ PrPēC...P°PSPSCІ, P°CfPīC-CḡP°C†C-CІ, P°CḡC,PμCḡC-P°P»CHPSP° PīC-PīPμCḡC,PμPSP·C-CІ P°P±Ps PīC-PīPsC,PμPSP·C-CІ, CfPμCḡC†PμPIP° P°CḡPēC,PjC-CІ (< 2 % PIPēPīP°PrPeC-PI PīPμCḡPμPrPsP·CfPIP°PSPSCІ) C,P° PeP°CḡPrC-PsPīCfP»CHPjPsPSP°P»CHPSPēPNē CεPsPe. P>PμC,P°P»CHPSC- PSP°CfP»C-PrPePē PIC-PrP·PSP°C±P°P»PēCfCІ PīCḡPē PīPsCfC,CḡPsPjCf PīPμCḡPμPrPsP·CfPIP°PSPSC- PSP° CḡC-PIPSC- 450 PjPi, P°P»Pμ P±CfP»Pē PNē PIPēPīP°PrPePē PIPēP¶PēPIP°PSPSCІ PīC-CfP»CІ PīPsCfC,CḡPsPiPs PīPμCḡPμPrPsP·CfPIP°PSPSCІ PīC-CfP»CІ PīCḡPēPNēPsPjCf 2 Pi PsP»P°PSP·P°PīC-PSCf PīPμCḡPsCḡP°P»CHPSPs.

P>C-PeCzPIP°PSPSCІ. PŸPīPμC†PēC,,C-C±PSPsPiPs P°PSC,PēPrPsC,Cf PSPμPjP°C”. PkPμ

СҫРμРeРsРjРμPSPPrCfCҫC,CҫCfCfCfC PfcҫРμPfpCҫP°P,C,Pө, C%oPs
CfPfcҫРөCfPөPSCfCҫC,Cҫ P±P»CҫPPIP°PSPSCfC. P PμРeРsРjРμPSPPrPsPIP°PSPs
CfC,P°PSPPrP°CҫC,PSC- PfcҫPсCfPμPrCfCҫPө PfcҫPө PfpμCҫPμPrPsP·CfPIP°PSPSC-
(PSP°PfcҫPөPөP»P°Pr PfcҫPсPjPөPIP°PSPSCfC CөP»CfPSPөP°, PfcҫPөP№PsPj
P°PөC,PөPIPсPIP°PSPsPiPs PICfPiC-P»P»CfC). P'CfP»Ps PIPөCfPIP»PμPSPs, C%oPs
CfCfPfcC,PSC-P№ PfcҫPөP№PsPj P°PөC,PөPIPсPIP°PSPsPiPs PICfPiC-P»P»CfC
P·PjPμPSCөCfC" P±C-PsPrPsCfC,CfPfcҫPSC-CfC,Cҫ PsP»P°PSP·P°PfcC-PSCfB PfcҫPө
PfpμCҫPсCҫP°P»CҫPSPsPjCf PfcҫPөP№PsPjC- PSP° 50Bҫ"60 %.

P'C-PrPfcPIC-PrPSPs PrPs PөP»C-PSC-CfPSPөC... PfcҫPсCfPIC-PI CfP»C-Pr
PSP°P»P°PiPsPrPөC,Pө CfPөPjPfc,PсPjP°P,C,PөCfPSPμ P»C-PөCfPIP°PSPSCfC C,P°
PjPsPSC-C,PсCҫPөPSPi P¶PөC,C,C"PIPs PIP°P¶P»PөPIPөC... C,,CfPSPөCfC-P№,
PIPөP»CҫCfP°CҫCfPө P»C-PөCfPIP°PSPSCfC P°CҫC,PμCҫC-P°P»CҫPSPсC—
Pfc-PfcPсC,PμPSP·C-C— C,P° CfPөCҫPөCfP»CfC,PсCҫPSPсC— PSPμPrPsCfC,P°P,C,PSPсCfC,C-, P°
C,P°PөPsP¶ Pfc-PrC,CҫPөPjP°PSPSCfC PrPөC...P°PSPSCfC. PkPμ CfP»C-Pr
P·P°CfC,PсCfPсPICfPIP°P,C,Pө PμPfc-PSPμC,,CҫPөPS, PrPsPfcPjC-PS C,P° C-PSCөC-
CfPөPjPfcP°P,C,PсPjC-PjPμC,PөPөPө P· PrC-C"ҫC, C...P°CҫP°PөC,PμCҫPSPсCҫ PrP»CfC P±PμC,P°-
P°PfcPсPSC-CfC,C-PI, PsCfPөC-P»CҫPөPө P±PμC,P°-CfC,PөPjCfP»CfCfC-CfC PjPsP¶Pμ
PfcPfcC-ҫCөPөC,Pө PfcҫPсCfPIPө Pfc-PfcPсC,PсPSC-C—. P"»CfC PIPөCfPIP»PμPSPSCfC
PjPsP¶P»PөPIPөC... P°CҫPөC,PjC-P№ PSPμPsP±C...C-PrPSPөP№ PjPsPSC-C,PсCҫPөPSPi
CfPμCҫCfPμPIPs-CfCfPrPөPSPSPсC— CfPөCfC,PμPjPө. P PμC,PμP»CҫPSPөP№
PjPμPrPөCfPSPөP№ PSP°Pfc»CfPr C,P° PjPsPSC-C,PсCҫPөPSPi PfcPfcPIPөPSPμPS C,CҫPөPIP°P,C,Pө
PrPs PfcPfcPSPsPiPs PsPrCfP¶P°PSPSCfC PfcP°CfC-C"PSC,P°.

PμPsP±C-CfPSC- CҫPμP°PөCfC-C—.

PkP°P№CfP°CfC,C-CөPөPjPө PfcPсP±C-CfPSPөPjPө CҫPμP°PөCfC-CfPjPө
(CfPfcPсCfC,PμCҫC-PfcP»PөCfCfC Cf ≥ 1 % PfcP°CfC-C"PSC,C-PI), PfcPсPfcҫ™ CfP·P°PSPөPjPө
C-P· P·P°CfC,PсCfCfPIP°PSPSCfC Pj PsP»P°PSP·P°Pfc-PSCf PI C...PsPrC- PөP»C-PSC-CfPSPөC...
PrPsCfP»C-PrP¶PμPSCҫ, P±CfP»Pө C,P°PөC-: CfPсPSP»PөPIC-CfC,Cҫ,
P·P±C-P»CҫCөPμPSPSCfC PjP°CfPө C,C-P»P°, PμPsP·PөPSPсC,,C-P»C-CfC,
Pfc-PrPIPөC%oPμPSPSCfC CҫC-PIPSC-PI PfcҫPсP»P°PөC,PөPSCf, C...PsP»PμCfC,PμCҫPсP»Cf
(C...PsP»PμCfC,PμCҫPөPSCf), Pfc»CҫPөPsP·Pө C,P° C,CҫPөPfcP»C-CfPμCҫPөPrC-PI Cf
PөCҫPсPIC-, PfcP»CҫPөPsP·CfCҫC-CfC, Pfc-PrPIPөC%oPμPSPSCfC P°PfcPμC,PөC,Cf,
P·P°PfcPjPsCҫPсCfPμPSPSCfC, P°PөP°P,C,PөP·C-CfC, PfcP°CҫPөC-PSCfPсPSC-P·Pj,
P»PμP№PөPsPfcPμPSC-CfC, PSPμP№C,CҫPсPfcPμPSC-CfC, PrPөCfPөC-PSPμP·C-CfC,
PsCҫC,PсCfC,P°P,C,PөCfPSP° Pfc-PfcPсC,PμPSP·C-CfC, P°PSC,PөC...PsP»C-PSPμCҫPfcC-CfPSC-
PμC,,PμPөC,Pө, C,CҫP°PSP·PөC,PсCҫPSPμ P°CfPөPjPfc,PсPjP°P,C,PөCfPSPμ
Pfc-PrPIPөC%oPμPSPSCfC PfcPμCfC-PSPөPsPIPөC... C,CҫP°PSCfP°PjC-PSP°P· (PrPөPI.
CҫPсP·PrC-P» B«PҫCfPсP±P»PөPIPсCfC,C- P·P°CfC,PсCfCfPIP°PSPSCfCB»),
PIPөCfPөPfcP°PSPSCfC, P°CfC,PμPSC-CfC, Pfc-PrPIPөC%oPμPSP° PIC,PсPjP»CҫPPIP°PSC-CfC,Cҫ,
Pfc-PfcPμCҫC,PμCҫPjC-CfC, P°CҫC,CҫP°P»Pfc-CfC, Pfc-PrPIPөC%oPμPSPSCfC CҫC-PIPSCfC
P°P»PөP°P»C-PSC,,PсCfC,,P°P,P°P·Pө, PfcPjPjP°-PfcP»CfC,P°PjC-P»C,CҫP°PSCfC,,PμCҫP°P·Pө,
CfPμCfPsPIPs— PөPөCfP»PсC,Pө, PөCҫPμP°P,C,PөPSC,,PсCfC,,PsPөC-PSP°P·Pө C,P°
PSP°P±CҫCfPөPө.

Pj C,P°P±P»PөCfC- 1 Pfc-PrCfCfPjPsPIP°PSPs PsCfPSPsPIPSC- PfcPсP±C-CfPSC-
CҫPμP°PөCfC-C— C,P° C—C...PSCfC CfP°CfC,PсC,P°, PIPөP·PSP°CfPμPSC- Cf C...PsPrC-
PөP»C-PSC-CfPSPөC... PrPsCfP»C-PrP¶PμPSCҫ C,P°/P°P±Ps PSP° PsCfPSPсPIC-

РiPsCfГC, PjP°CГPePμC, PēPSPiPsPiPsPiPs PrPsCfГPIC-PrCf.

РШP°CГC, PsC, P° PeP»P°CГPēC,, C-PeCfC°C, ЧHCГCЦЦ C, P°PePēPj C±PēPSPsPj: PrCfP¶Pμ C±P°CГC, Ps (≥ 1/10), C±P°CГC, Ps (≥ 1/100 C, P° < 1/10), PSPμC±P°CГC, Ps (≥ 1/1000 C, P° < 1/100), CГC-PrPePs (≥ 1/10000 C, P° < 1/1000), PrCfP¶Pμ CГC-PrPePs (< 1/10000), C±P°CГC, PsC, P° PSPμPIC-PrPsPjP° (C±P°CГC, PsC, Cr PSPμ PjPsP¶PSP° PICГC, P°PSPsPiPēC, Pē PSP° PsCГPSPsPIC-PSP°CЦIPIPSPēC... PrP°PSPēC...).

РШP°P±P»PēCГCЦ 1.

P°CfP¶Pμ C±P°CГC, Ps	PSP°CГC, Ps	PkPμC±P°CГC, Ps	P C-PrPePs	PSP°CГC, PsC, P° PSPμPIC-PrPsPjP°
P- P±PsPeCf CГPēCГC, PμPjPē	PeCГPsPiPsC, PiPsCГPμPSPSCЦB C, P° P»C-PrC, P°C, PēC±PSPsC- CГPēCГC, PμPjPē			
	P°PsP-PēPSPsC, C-P»C-ЦI P, PμPμPePsPiPμPSC-ЦI ¹⁰ PkPμPμC, CГPsPiPμPSC-ЦI ¹⁰	B		РyCГPsPjP±PsCfPēC, PsPiPμ-PSC-ЦI ¹¹
P- P±PsPeCf C-PrCfPSPSPsC- CГPēCГC, PμPjPē		P°C-PrPμCГCfC, P»PēPIC-ГC, ЧH ¹¹		
P- P±PsPeCf PsP±PjC-PSCf CГPμC±PSPiPēC C, P° CГPsP-P»P°PrPē C, CГP°PiP»PμPSPSCЦI	PμC-PrPiPēC»PμPSPSCЦI CГC-PIPSЦI C...PsP»PμCГC, PμCГPēPSCf ^{2,3} PμC-PrPiPēC»PμPSPSCЦI CГC-PIPSЦI PiP»CГPePsP, Pē ⁴ PμC-PrPiPēC»PμPSPSCЦI CГC-PIPSЦI C, CГPēPiP»C-ГPμCГPēPrC-PI ^{1,5} , PiP»CГPePsP-CfCГC-ЦI, PiC-PrPiPēC»PμPSPSCЦI P°PiPμC, PēC, Cf	P PsP-PIPēC, PsPe P°P±Ps P°PiPsCfC, CГPμPSPSCЦI PrC-P°P±PμC, Cf, B P°CГPsCГC-PμPsPiP°PSPsPiPs P- PePμC, PsP°CfPēPrPsPj P°P±Ps PePsPiPsCГ, PiPeP»CГC±PēC±Pē P»PμC, P°P»CГPSC- PSP°CГP»C-PrPePē ¹¹	P°C-PrPsC, PμCГPjC-ЦI ¹²	
P- P±PsPeCf PSPμCГPiPsPiPsC- CГPēCГC, PμPjPē	P- P°PiP°PjPsCГPsC±PμPSPSCЦI, P°PeP°C, PēP-C-ЦI ⁷ , PiP°CГPeC-PSCfPSPSC-P, Pj ⁸ , PrPēCГPeC-PSPiPμC-ЦI ⁶	P°PiC-P»PμPiC, PēC±PSC- PSP°PiP°PrPē, CЦIPeC»Ps PiPsPSPē P±CfP»Pē Pi P°PSP°PjPSPμP-C- P°P±Ps P±CfP»Pē PSP°CЦIPIPSC- C, P°PeC, PsCГPē CГPēP-PēPeCf ¹¹ , PrPēCГC, PsPSC-ЦI (PiPeP»CГC±PSPs P- PsPeCfP»CЦI CГPSPēPj CГPēPjPiC, PsPjPj) ¹¹ , PiC-P-PSCЦI PrPēCГPeC-PSPiPμC-ЦI ¹¹ , P°PjPSPμP-C-ЦI ⁷ , PrPēP-P°CГC, CГC-ЦI, CГPēPSPPrCГPsPj PSPμCГPiPsPeC-P»PSPēC... PSC-Pi	PkPμPμCГPsP»PμPiC, PēC±PSPēPμ P»P»CЦIPeC-ГPSPēPμ CГPēPSPPrCГPsPj ¹² (PrPēPi. CГPsP-PrC-P» B«PhCГPsP±P»PēPiPsCГC, C- P-P°CГC, PsCГCfPiP°PSPSCЦI B»), CГPēPSPPrCГPsPj PiC-PrPjC-PSPē ¹²	
P- P±PsPeCf CГPēCГC, PμPjPē PrPēC...PSPSCЦI, PsCГPiP»PSC-Pr PiCГCfPrPSPsC- PeP»C-C, PePē C, P° CГPμCГPμPrPsCГC, C-PSPSCЦI				
		PμCГPsPiPsC, PμC±P° P- PSPsCГP ²³		
P- P±PsPeCf CГPμCГCfPμPiPsC- CГPēCГC, PμPjPē		P°CГP»PrPēPeP°CГPrC-ЦI, PiCГPsP»PsPSPiP°CГC-ЦI, C-PSC, PμCГPiP°P»Cf QIcr (PrPēPi. CГPsP-PrC-P» B«PhCГPsP±P»PēPiPsCГC, C- P-P°CГC, PsCГCfPiP°PSPSCЦI B»)	P°PμPSC, CГPēPeCfP»CЦI CГPSP° C, P°C...C-PeP°CГPrC-ЦI/ C, C-P±CГPēP»CЦI CГC-ЦI, CГP°PiC, PsPiPēPμ P»PμC, P°P»CГPSPēPμ PSP°CГP»C-PrPsPe ¹¹ (PrPēPi. CГPsP-PrC-P» B«PhCГPsP±P»PēPiPsCГC, C- P-P°CГC, PsCГCfPiP°PSPSCЦI B»)	
P- P±PsPeCf CГCfPrPēPSPSPsC- CГPēCГC, PμPjPē				
PhCГC, PsCГC, P°C, PēC±PSP° PiC-PiPsC, PμPSP-C-ЦI ¹⁰		РyCГPsPjP±PsPμPjP±PsP»C-ЦI (PiPeP»CГC±P»CГC±Pē PμPjP±PsP»C-ГC P»PμPiPμPSPμPiPsC- P°CГC, PμCГC-C- C, P° C, CГPsPjP±PsP- PiP»PēP±PsPePēC... PiPμPS) (PrPēPi. CГPsP-PrC-P» B«PhCГPsP±P»PēPiPsCГC, C- P-P°CГC, PsCГCfPiP°PSPSCЦI B»)		
P- P±PsPeCf CēP»CfPSPePsPiPs-PePēCfPePsPiPsPiPs C, CГP°PeC, Cf	P, PμPiPeC-, C, PēPjC±P°CГPsPiC- P°PSC, PēC...PsP»C-PSPiPμCГPμC-PrC- PμC, PμPeC, Pē, PiPeP»CГC±P»CГC±Pē P-P°PiPsCГPē C, P° CГCГC...C-ЦI, ЧH Cf CГPsC, C-	P- PrCfC, C, ЦI P¶PēPiPsC, P° P°C-PrPμCГCfPμPeCГPμCГC-ЦI cP»PēPSPsPiPēPrC-P»PμPSPSCЦI ¹¹		PμP°PSPeCГPμP°C, PēC, Pē ¹¹
P- P±PsPeCf PiPμPiP°C, PsP±C-P»C-P°CГPSPSPsC- CГPēCГC, PμPjPē	РyCГP°PSP-PēC, PsCГPSC-, P°CfPēPjPiC, PsPiP°C, PēC±PSC- PePsP»PēPiP°PSPSCЦI CГC-PIPSЦI PiPμC±C-PSPePsPiPēC... C, CГP°PSCfP°PjC-PSP°P. (PjP»PjP°P, C, P° PjCfPjP°P), PsCГPsP±P»PēPiPs PSP° PiPsC±P°C, PeCf P»C-PeCfPiP°PSPSCЦI, PiPμCГPēC, PμCГPēC±PSC- PSP°P±CГCЦI PePē (PrPēPi. CГPsP-PrC-P» B«PhCГPsP±P»PēPiPsCГC, C- P-P°CГC, PsCГCfPiP°PSPSCЦI B»)			P°PμPiP°C, PēC, Pē (PiPeP»CГC±P»CГC±Pē PiPμPiP°C, PsCГPμP»CГP»CЦI CГPSPμ, C...PsP»PμCГC, P°C, PēC±PSPμ P°P±Ps PjC-CēP°PSPμ CfCfPePsPrP¶PμPSPSCЦI PiPμC±C-PSPePē) ¹¹
P- P±PsPeCf CēPeC-CГPē C, P° C- C- PiPsC...C-PrPSPēC...	P°PēCГPēPiPē	P PμP°PeCГC- C- CГPIC-C, P»PsC±CfC, P»PēPiPsCГC, C- P°P»PsPiPμCГC-ЦI		PμPμPrPēPeP°PjPμPSC, PsP-PSP° CГPμP°PeCГC-ЦI P- PμPsP-PēPSPsC, C-P»C-C°CГ C, P° CГPēCГC, PμPjPSPēPjPē CГPēPjPiC, PsPjP°PjPē (DRESS)
P- P±PsPeCf CГPePμP»PμC, PSPs-PjPē ¹¹ ЦI P-PiPsC- C, P° CГPiPsP»CfC±PSPsC- CГPēCГC, PμPj	PjCГC, CГP°P»PIC-ЦI ⁹			P°P±PrPsPjC-PsP»C-P ¹¹
P- P±PsPeCf PSPēCГPsPe C, P° CГPμC±PSPiPēPrC-P»CГPSPSPsC- CГPēCГC, PμPjPē				
		PkPμC, CГPēPjP°PSPSCЦI CГPμC±C-, P-P°C, CГPēPjPēP° CГPμC±C-, CfC, CГCfPrPSPμPSPμ CГPμC±PSPiPēPiCfCГPēP°PSPSCЦI ¹¹		
P°PiC-C, PSC-CГC, ЧH, PiC-CГP»CЦI CГPsPrPSPiPēPμ C, P° PiPμCГPēPSP°C, P°P»CГPSPēPμ PiPμCГC-PsPr				
				РyPēPSPPrCГPsPj PiC-PrPjC-PSPē Cf PsPsPiPsPSP°CГPsPrP¶Pμ- PSPēC... (PrPēPi. CГPsP-PrC-P» B«P-P°CГC, PsCГCfPiP°PSPSCЦI Cf PiPμCГC-PSPr PiP°PiC-C, PsPsCГC, C- P°P±Ps PiPsPrCfPiP°PSPSCЦI PiCГCfPrCГB»)
P- P±PsPeCf CГPμPiCГPsPrCfPeC, PēPiPSPsC- CГPēCГC, PμPjPē C, P° PjPsP»PsC±PSPēC... P-P°P»PsP.				

	P·CpPmPeC,PeP·CHbPSP° PrPeCfC,CfPSPeCfC-Cf Cf C±PsP»PsPIC-PeC-PI, P-PSpP¶PmPSPSCf P»C-P±C-PrPs Cf P¶C-SPSPe C,P° C±PsP»PsPIC-PeC-PI	P¶PjPmPSPScPmCf; P·P±C-P»CHbC¶PmPSPSCf P±CfPrPmP¶; P¶P»P»PeC,PsC¶PmCf Cf P¶C-SPSPe; B P±C-PSpPmPePsPjP°CfC,C-Cf/ P·P±C-P»CHbC¶PmPSPSCf P±CfPrPmP¶ Cf C±PsP»PsPIC-PeC-PI	PmC¶C-P°P±C-Pj ¹²	
P·P°P¶P»CHbPSC- C¶PSP-P»P¶P¶ C,P° PsCfP±P»P¶PmPSPSCf,C- P·P°CfC,PsCfCfP¶PSPSCf	P¶CfC,PmPSC-Clf, P±C-PrP¶P¶C¶PmPSP° P±C,PsPjP»CHbP¶PSC-CfC,CH, PSP°P±C¶CfP¶P¶, P±C-CHbPmPeCfC-Clf ¹⁰			
P°C-P°PmPSPScfC,P±CfPSC- PrPsCfP»C-Pr¶PmPSPSCf	PmC-PrP¶P¶C¶PmPSPSCf C¶C-PIPSCf P»CfP¶PSPSc- C,P±CfC,P°C,P°P·P¶ ¹⁰ , P±CfPmP°C,P±CfC,P±CfC,P±CfC-PSP°P·P¶ ¹ , P¶P°PjPjP°- P¶P°CfC,P°PjC-P»C,C¶P°PSPSCf,PmC¶P°P·P¶ ¹⁰ , C¶PmC¶PmPSPSc- PeP±CfP»PsC,Pe ¹⁰	PmC-PrP¶P¶C¶PmPSPSCf P·P°P¶P»CHbPSPSPiPs P±C-P»C-C¶CfP±C-PSCf		

¹ P¶P»C-PSC-C±PSPs P·PSP°C±CfC%Pm P·P±C-P»CHbC¶PmPSPSCf PjP°CfP¶ C,C-P»P° CfPmPSPSCf,PmC¶C-PiP°P»PsCfCf P±CfCfC-C... PeP°C,PmPiPsC¶C-Pm P¶P°CfC-C°PSC,C-PI P·P° P¶P¶P¶ (C-PSPrPmPeCf PjP°CfP¶ C,C-P»P°). PmC-CfP»Cf P±CfPmPSPSc,PePsC¶P°CfPSPSPiPs P»C-PeCfP¶PSPSCf (CfPmC¶PmPrPSPSCf C,C¶P¶P¶P»C-CfC,CH CfC,P°PSPSPiP¶P»P° 47 PrPSC-PI) P·P±C-P»CHbC¶PmPSPSCf PjP°CfP¶ C,C-P»P° PSP° ≥ 7 % CfPmPSPSCf,PmC¶C-PiP°P»PsCfCf PrCfP¶Pm C±P°CfC,Ps (22,2 % P¶P¶P¶PrPeC-PI), ≥ 15 % CfPmPSPSCf,PmC¶C-PiP°P»PsCfCf C±P°CfC,Ps (4,2 % P¶P¶P¶PrPeC-PI), ≥ 25 % CfPmPSPSCf,PmC¶C-PiP°P»PsCfCf PSPmC±P°CfC,Ps (0,8 % P¶P¶P¶PrPeC-PI). Pj P¶P°CfC-C°PSC,C-PI, C¶P¶C- PsC,C¶P¶PjCfP¶P¶P¶ C,C¶P¶P¶P»Cf C,PmC¶P°P±C-CH (P¶C¶P¶PSP°P¶PjPSC- P±CfPmC,ClfPmPj B 48 C,P¶P¶PSC-PI), P·P±C-P»CHbC¶PmPSPSCf PjP°CfP¶ C,C-P»P° PSP° ≥ 7 %, ≥ 15 %, ≥ 25 % CfPmPSPSCf,PmC¶C-PiP°P»PsCfCf PrCfP¶Pm C±P°CfC,Ps (Cf 64,4 %, 31,7 %, 12,3 % P¶P¶P¶PrPeC-PI P±C-PrPmPSPSCf-PrPSPs).

² P¶PmC¶PmPrPSC° P±C-PrP¶P¶C¶PmPSPSCf C¶C-PIPSCf P»C-P±C-PrC-PI PSP°C,C%Pm (P·P°P¶P»CHbPSP¶P¶ C...PsP»PmCfC,PmC¶PmP¶, P»P¶P¶P¶ C- C,C¶P¶P¶P»C-CfPmC¶P¶P¶P¶) P±CfP»P¶ P±C-P»CHbC¶ P·PSP°C±PSC- Cf P¶P°CfC-C°PSC,C-PI, Cf C¶P¶P¶C... CfPmPSPSc,PmC¶C-PiP°P»PsCfCf P»C-P±C-PrPSPSc— PrP¶P·C¶PmPiCfP»CfCfC-C—.

³ P¶P¶PmCfC,PmC¶C-PiP°P»PsCfCf Cf P¶P°CfC-C°PSC,C-PI P· PSPSc¶PjP°P»CHbPSP¶Pj PmPSPSc,PmPSP¶Pj PSP°C,C%Pm (< 5,17 PjPjPsP»CHb/P»), C¶P¶P¶P¶ P±C-PrP¶P¶C¶PmPSPSCf PrPs P¶P¶CfPmP¶P¶P¶ (≥ 6,2 PjPjPsP»CHb/P»). P°CfP¶Pm C±P°CfC,Ps PmPSPSCf-PrPsPjP»CfP»PsCfCf P±CfPm C¶C-PrP¶P¶C¶PmPSPSCf C¶C-PIPSCf P·P°P¶P»CHbPSPSPiPs C...PsP»PmCfC,PmC¶PmP¶Cf PSP°C,C%Pm P· PmPSPSc,PmPSP¶Pm C¶C-PIPSCf (≥ 5,17 PjPjPsP»CHb/P») PrPs P¶P¶CfPmP¶P¶P¶ C¶C-PIPSCf (≥ 6,2 PjPjPsP»CHb/P»).

⁴ P¶P¶PmCfC,PmC¶C-PiP°P»PsCfCf Cf P¶P°CfC-C°PSC,C-PI P· PSPSc¶PjP°P»CHbPSP¶Pj PmPSPSc,PmPSP¶Pj PSP°C,C%Pm (< 5,56 PjPjPsP»CHb/P»), C¶P¶P¶P¶ P±C-PrP¶P¶C¶PmPSPSCf PrPs P¶P¶CfPmP¶P¶P¶ (≥ 7 PjPjPsP»CHb/P»). P°CfP¶Pm C±P°CfC,Ps PmPSPSCf-PrPsPjP»CfP»PsCfCf P±CfPm C¶C-PrP¶P¶C¶PmPSPSCf C¶C-PIPSCf P¶P°P¶P»CHbPSPSPiPs P· PmPSPSc,PmPSP¶Pm C¶C-PIPSCf (≥ 5,56 PjPjPsP»CHb/P») PrPs P¶P¶CfPmP¶P¶P¶ C¶C-PIPSCf (≥ 7 PjPjPsP»CHb/P»).

⁵ P¶P¶PmCfC,PmC¶C-PiP°P»PsCfCf Cf P¶P°CfC-C°PSC,C-PI P· PSPSc¶PjP°P»CHbPSP¶Pj PmPSPSc,PmPSP¶Pj PSP°C,C%Pm (< 1,69 PjPjPsP»CHb/P»), C¶P¶P¶P¶ P±C-PrP¶P¶C¶PmPSPSCf PrPs P¶P¶CfPmP¶P¶P¶ (≥ 2,26 PjPjPsP»CHb/P»). P°CfP¶Pm C±P°CfC,Ps PmPSPSCf-PrPsPjP»CfP»PsCfCf P±CfPm C¶C-PrP¶P¶C¶PmPSPSCf C¶C-PIPSCf C,C¶P¶P¶P»C-CfPmC¶P¶P¶P¶ PSP°C,C%Pm P· PmPSPSc,PmPSP¶Pm C¶C-PIPSCf (≥ 1,69 PjPjPsP»CHb/P») PrPs P¶P¶CfPmP¶P¶P¶ C¶C-PIPSCf (≥ 2,26 PjPjPsP»CHb/P»).

⁶ PmC-Pr C±P°Cf P±C-PSC-C±PSP¶C... PrPsCfP»C-PrP¶PmPSPCH C±P°CfC,PsC,P°

PIPëPSPëPePSPµPSPSCİ PİP°CḤPeC-PSCÍPsPSC-P·PjCf C- PrPëCÍC,PsPSC-C— CÍ
PİP°C†C-C”PSC,C-PI, CİPeC- PsC,CḤPëPjCfPIP°P»Pë P»C-PeCfPIP°PSPSCİ
PsP»P°PSP·P°PİC-PSPsPj, P±CfP»P° PIPëC%oP°, PSC-P¶ CÍ C...PsPrC- PrPsCÍP»C-PrP¶PµPSCḤ
PİP»P°C†PµP±Ps, P°P»Pµ PeP»C-PSC-C†PSPs PSPµP·PSP°C†PSPs. PŞP°CÍC,PsC,P°
PIPëPSPëPePSPµPSPSCİ PİP°CḤPeC-PSCÍPsPSC-P·PjCf, P°PeP°C,PëP·C-C— C-
PrPëCÍC,PsPSC-C— CÍ PİP°C†C-C”PSC,C-PI, CİPeC- PsC,CḤPëPjCfPIP°P»Pë
P»C-PeCfPIP°PSPSCİ PsP»P°PSP·P°PİC-PSPsPj, P±CfP»P° PSPëP¶C†P°, PSC-P¶ PİCḤPë
P·P°CÍC,PsCÍCfPIP°PSPSC- C,PëC,CḤPsPIP°PSPëC... PrPsP· PİP°P»PsPİPµCḤPëPrPsP»CÍ.
PŞPµCḤPµP· PIC-PrCÍCfC,PSC-CÍC,CḤ C-PSC,,PsCḤPjP°C†C-C— PİCḤPs PSP°CİPIPSC-CÍC,CḤ
PI P°PSP°PjPSPµP·C- PİPsCÍC,CḤPëC... P°P±Ps PİC-P·PSC-C...
PµPeCÍC,CḤP°PİC-CḤP°PjC-PrP°P»CḤPSPëC... CḤCfC...PsPIPëC... PİPsCḤCfCεPµPSCḤ PSPµ
PjPsP¶PSP° PICÍC,P°PSPsPIPëC,Pë, C%oPs PsP»P°PSP·P°PİC-PS PjPµPSCεPµ
CÍPİCḤPëC†PëPSCİC” PİC-P·PSCḤ PrPëCÍPeC-PSPµP·C-CḤ C,P°/P°P±Ps C-PSCεC- PİC-P·PSC-
PµPeCÍC,CḤP°PİC-CḤP°PjC-PrP°P»CḤPSC- CÍPëPSPrCḤPsPjPë.

⁷ Pj CḤP°P·C- CḤC-P·PePsPİPs PİCḤPëPİPëPSPµPSPSCİ C,PµCḤP°PİC-C—
PsP»P°PSP·P°PİC-PSPsPj PİPsPIC-PrPsPjP»CİP»PsCÍCİ PİCḤPs PİPsCÍC,CḤC- CÍPëPjPİC,PsPjPë:
PİC-PrPIPëC%oPµPSPµ PİPsC,PsPIPëPrC-P»PµPSPSCİ, P±PµP·CÍPsPSPSCİ, C,CḤPµPjPsCḤ,
P°P¶PëC,P°C†C-CḤ, PSCfPrPsC,Cf C- P±P»CḤPIP°PSPSCİ.

⁸ Pj C...PsPrC- PeP»C-PSC-C†PSPëC... PrPsCÍP»C-PrP¶PµPSCḤ (PrPs 12 C,PëP¶PSC-PI)
PIPëP·PSP°C†PµPSPs, C%oPs PePsPSC†PµPSC,CḤP°C†C-Cİ PİCḤPsP»P°PeC,PëPSCf CÍ
PİP»P°P·PjC- PeCḤPsPIC- PİPµCḤPµPIPëC%oCfPIP°P»P° PIPµCḤC...PSCḤ PjPµP¶Cf PSPsCḤPjPë
CÍ 30 % PİP°C†C-C”PSC,C-PI, CİPeC- P·P°CÍC,PsCÍPsPICfPIP°P»Pë PsP»P°PSP·P°PİC-PS. Pj
P±C-P»CḤCεPsCÍC,C- PİP°C†C-C”PSC,C-PI C,P°PePµ PİC-PrPIPëC%oPµPSPSCİ P±CfP»Ps
PİPsPjC-CḤPSPëPj C- P·P°P»PëCεP°P»PsCÍCİ Pİ PjPµP¶P°C... P·PSP°C†PµPSCḤ, CÍ PrPIP°
CḤP°P·Pë PSPëP¶C†PëC... PIC-Pr PIPµCḤC...PSCḤPsC— PjPµP¶C- PSPsCḤPjPë.

⁹ PµPsP±C-C†PSC- CḤPµP°PeC†C-C—, C%oPs P±CfP»Pë PIPëCİPIP»PµPSC- CÍ
PeP»C-PSC-C†PSPëC... PrPsCÍP»C-PrP¶PµPSPSCİC..., P·PİC-PrPSPs P·
C-PSC,PµPİCḤPsPIP°PSPsCḤ P±P°P·PsCḤ PrP°PSPëC... C%oPsPrPs PsP»P°PSP·P°PİC-PSCf.

¹⁰ PhC†C-PSPeP° PIPëP·PSP°C†PµPSPëC... CÍ PeP»C-PSC-C†PSPëC...
PrPsCÍP»C-PrP¶PµPSPSCİC... P·PSP°C†PµPSCḤ P·PİC-PrPSPs P· C-PSC,PµPİCḤPsPIP°PSPsCḤ
P±P°P·PsCḤ PrP°PSPëC... C%oPsPrPs PsP»P°PSP·P°PİC-PSCf.

¹¹ PŞP°CÍC,PsC,P° PİPsP±C-C†PSPëC... CḤPµP°PeC†C-PNë, PİCḤPs CİPeC-
PİPsPIC-PrPsPjP»CİP»PsCÍCİ CÍ CÍPİPsPSC,P°PSPSPëC...
PİPsCÍC,PjP°CḤPePµC,PëPSPİPsPIPëC... P·PIC-C,P°C..., PICÍC,P°PSPsPIP»PµPSP° PSP°
PsCÍPSPsPIC- C-PSC,PµPİCḤPsPIP°PSPsC— P±P°P·Pë PrP°PSPëC... C%oPsPrPs
PsP»P°PSP·P°PİC-PSCf.

¹² PŞP°CÍC,PsC,P° PİPsP±C-C†PSPëC... CḤPµP°PeC†C-PNë, PİCḤPs CİPeC-
PİPsPIC-PrPsPjP»CİP»PsCÍCİ CÍ CÍPİPsPSC,P°PSPSPëC...
PİPsCÍC,PjP°CḤPePµC,PëPSPİPsPIPëC... P·PIC-C,P°C..., PsC†C-PSPµPSP° P·
PIPëPePsCḤPëCÍC,P°PSPSCİPj PrPsPIC-CḤC†PsPİPs C-PSC,PµCḤPIP°P»CÍ Pİ PIPµCḤC...PSC-PNë
PjPµP¶C- PSPsCḤPjPë (95 %) PSP° PsCÍPSPsPIC- C-PSC,PµPİCḤPsPIP°PSPsC— P±P°P·Pë
PrP°PSPëC... C%oPsPrPs PsP»P°PSP·P°PİC-PSCf.

P·PİP»PëPİ PİCḤPë PrPsPİPİPsC,CḤPëPIP°P»PsPjCf P·P°CÍC,PsCÍCfPIP°PSPSC- (PSPµ

PjPμPSC€Pμ 48 C, PēP¶PSC-PI). P'C-PrCΓPsC, PsPe PīP°C†C-C" PSC, C-PI, Cr CΠPePēC...
PIC-PrP·PSP°C†P°P»PēCΓCΠ PīPsP±C-C†PSC- CḡPμP°PeC†C-C— Cr PIPēPiP»CΠPrC-
PeP»C-PSC-C†PSPs CΓC†C, C, C" PIPsPiPs PīC-PrPIPēC%oPμPSPSCΠ PjP°CΓPē C, C-P»P°,
P·PjC-PSPē CḡC-PIPSCΠ PīP»CḡPePsP·Pē, P·P°PiP°P»CḡPSPsPiPs
C...PsP»PμCΓC, PμCḡPēPSC†/P>PμPκP©/P>PμP'P© P°P±Ps C, CḡPēPiP»C-C†PμCḡPēPrC-PI,
PīPsCΓC, C-PMēPSPs P·P±C-P»CḡC€C†PIP°PICΓCΠ. Pj PrPsCḡPsCΓP»PēC...
PīP°C†C-C" PSC, C-PI, CΠPeC- P·P°PeC-PSC†PēP»Pē 9Bḡ"12 PjC-CΓCΠC†PSPēPNē
PeC†CḡCΓ C, PμCḡP°PiC-C—, C, PμPjPī PīC-PrPIPēC%oPμPSPSCΠ CḡC-PIPSCΠ
PīP»CḡPePsP·Pē Pī PeCḡPsPIC- PSP°C, C%oPμ C†PīPsPIC-P»CḡPSPēPICΓCΠ
PīCḡPēP±P»PēP·PSPs PīC-CΓP»CΠ 6 PjC-CΓCΠC†C-PI P»C-PeC†PIP°PSPSCΠ.

PμPsP±C-C†PSC- CḡPμP°PeC†C-C— PI PsPeCḡPμPjPēC... PīPsPīC†P»CΠC†C-CΠC.... Pj
C...PsPrC- PeP»C-PSC-C†PSPēC... PrPsCΓP»C-PrP¶PμPSCḡ Cr PīP°C†C-C" PSC, C-PI
P»C-C, PSCḡPsPiPs PIC-PeC† C-P· PrPμPjPμPSC†C-C" Cḡ C, PμCḡP°PiC-CΠ
PsP»P°PSP·P°PiC-PSPsPj P±C†P»P° PīPsPīBḡ™ CΠP·P°PSP° P· PīC-PrPIPēC%oPμPSPēPj
CḡC-PIPSPμPj P»PμC, P°P»CḡPSPēC... PIPēPīP°PrPeC-PI C, P°
C†PμCḡPμP±CḡPsPIP°CΓPeC†P»CΠCḡPSPēPjPē PīPsP±C-C†PSPēPjPē
CḡPμP°PeC†C-CΠPjPē PīPsCḡC-PIPSCΠPSPs P· PīCḡC†PīPsCḡ PīP»P°C†PμP±Ps.
P" C†P¶Pμ PīPsC€PēCḡPμPSPēPjPē PSPμP±P°P¶P°PSPēPjPē PμC,, PμPeC, P°PjPē,
PīPsPīBḡ™ CΠP·P°PSPēPjPē C-P· P·P°CΓC, PsCΓC†PIP°PSPSCΠPj PsP»P°PSP·P°PiC-PSC†,
C† PrP°PSPsC— PīCḡC†PīPē PīP°C†C-C" PSC, C-PI P±C†P»Pē PīPsCḡC†C€PμPSPSCΠ
C...PsPrPē C, P° PīP°PrC-PSPSCΠ. PḡP°CΓC, Ps CΓPīPsCΓC, PμCḡC-PiP°P»P°CΓCΠ
PīPSPμPIPjPsPSC-CΠ, PīC-PrPIPēC%oPμPSPSCΠ C, PμPjPīPμCḡP°C, C†CḡPē C, C-P»P°,
P»PμC, P°CḡPiC-CΠ, PμCḡPēC, PμPjP°, P·PsCḡPsPIC- PīP°P»CḡC†PēPSP°C†C-C— C, P°
PSPμC, CḡPēPjP°PSPSCΠ CΓPμC†C-.

Pj C...PsPrC- PeP»C-PSC-C†PSPēC... PrPsCΓP»C-PrP¶PμPSCḡ C†PμCḡPμPr PīP°C†C-C" PSC, C-PI
P· PjPμPrPēPeP°PjPμPSC, PsP·PSPs C-PSP†C†PePsPIP°PSPēPj (P°PiPsPSC-CΓC, PrPsPīP°PjC-PSC†)
PīCΓPēC...PsP·PsPj, PīPsPīBḡ™ CΠP·P°PSPēPj C-P· C...PIPSCḡPsP±PsCḡ PμP°CḡPeC-PSC†PsPSP°,
PīPsPīC-CḡC€PμPSPSCΠ PīP°CḡPeC-PSC†PsPSC-PICΓCḡPePsC— C†PēPjPīC, PsPjP°C, PēPePē
C, P° PīP°P»CḡC†PēPSP°C†C-C— PIC-PrP·PSP°C†P°P»PsCΓCΠ PrC†P¶Pμ C†P°CΓC, Ps,
C†P°CΓC, C-C€Pμ, PSC-P¶ C† PīCḡC†PīC- PīP»P°C†PμP±Ps.

Pj C...PsPrC- PsPrPSPsPiPs PeP»C-PSC-C†PSPsPiPs PrPsCΓP»C-PrP¶PμPSPSCΠ Cr
PīP°C†C-C" PSC, C-PI C-P· P±C-PiPsP»CΠCḡPSPsCḡ PjP°PSC-C" Cḡ Pī CḡPμP·C†P»CḡC, P°C, C-
P·P°CΓC, PsCΓC†PIP°PSPSCΠ PsP»P°PSP·P°PiC-PSC† Cr PePsPjP±C-PSP°C†C-C— P·
PIP°P»CḡPīCḡPsP°C, PsPj C†PīPsCΓC, PμCḡC-PiP°P»P°CΓCΠ PSPμPMēC, CḡPsPīPμPSC-CΠ 4,1 %;
PīCḡPēC†PēPSPsCḡ PjPsP¶Pμ P±C†C, Pē PīC-PrPIPēC%oPμPSPSCΠ CḡC-PIPSCΠ
PIP°P»CḡPīCḡPsP°C, C† Cr PīP»P°P·PjC- PeCḡPsPIC-.

Pj CḡPμP·C†P»CḡC, P°C, C- P·P°CΓC, PsCΓC†PIP°PSPSCΠ PsP»P°PSP·P°PiC-PSC† P· P»C-C, C-C" Pj
P°P±Ps PIP°P»CḡPīCḡPsP°C, PsPj C†PīPsCΓC, PμCḡC-PiP°P»PēCΓCΠ (≥ 10 %) C, CḡPμPjPsCḡ,
CΓC†C...C-CΓC, Cḡ Cr CḡPsC, C-, P·P±C-P»CḡC€PμPSPSCΠ PjP°CΓPē C, C-P»P°,
PīC-PrPIPēC%oPμPSPSCΠ P°PīPμC, PēC, C†. PḡP°PePsP¶ PīPsPIC-PrPsPjP»CΠP»PsCΓCΠ PīCḡPs
PīPsCḡC†C€PμPSPSCΠ PjPsPIP»PμPSPSCΠ. PμC-Pr C†P°CΓ C, PμCḡP°PiC-C—
PsP»P°PSP·P°PiC-PSPsPj Cr PePsPjP±C-PSP°C†C-C— P· P»C-C, C-C" Pj P°P±Ps
PrPēPIP°P»PīCḡPsPμPeCΓPsPj C†PīPsCΓC, PμCḡC-PiP°P»PsCΓCΠ P·P±C-P»CḡC€PμPSPSCΠ
PjP°CΓPē C, C-P»P° ≥ 7 %B P†PḡPḡB (C-PSPrPμPeCΓC† PjP°CΓPē C, C-P»P°) Cr 17,4 %
PīP°C†C-C" PSC, C-PI PīC-Pr C†P°CΓ C-PSC, PμPSCΓPēPIPSPsC— C, PμCḡP°PiC-C— (PrPs 6

C, PëP¶PSC-PI). P"PsPIPiPsC, C¶PëPIP°P»Pµ P»C-PeCfPIP°PSPSC¶ PsP»P°PSP·P°PïC-PSPsPj (PrPs 12 C, PëP¶PSC-PI) PrP»C¶ PiPsPiPµC¶PµPrP¶PµPSPSC¶ C¶PµC†PëPrPëPIC-PI C† PiP°C†C-C" PSC, C-PI C-P· P±C-PiPsP»C¶C¶PSPëPjPë C¶PsP·P»P°PrP°PjPë P±C†P»Ps PiPsPiB¶™ C¶P·P°PSPs P· PïC-PrPIPëC%PµPSPSC¶Pj PjP°C†Pë C, C-P»P° ≥ 7 % P†P¶Pÿ C† 39,9 % PiP°C†C-C" PSC, C-PI.

P" C-C, Pë.

P¶P»P°PSP·P°PïC-PS PSPµ PiPsPeP°P·P°PSPëPNë PrP»C¶ P»C-PeCfPIP°PSPSC¶ PrC-C, PµPNë C, P° PïC-PrP»C-C, PeC-PI. P¶P»C-PSC-C†PSPëC... PrPsC†P»C-PrP¶PµPSPSCH, C¶PeC-PiPsC¶C-PIPSC¶PIP°P»Pë P·P°C†C, PsC†C†PIP°PSPSC¶ PsP»P°PSP·P°PïC-PSC† C† PïC-PrP»C-C, PeC-PI C, P° PrPsC¶PsC†P»PëC..., PSPµ PïC¶PsPIPsPrPëP»Pë.

P¶PëP¶C†Pµ PiPsPrP°PSPs PiPsP±C-C†PSC- C¶PµP°PeC†C-C—, C%Ps P·C†C†C, C¶C-C†P°P»PëC†C¶ C†P°C†C, C-C€Pµ C† PïC-PrP»C-C, PeC-PI (PIC-PePsPj PIC-Pr 13B¶"17 C¶PsPeC-PI), PSC-P¶ C† PrPsC¶PsC†P»PëC..., C, P° PiPsP±C-C†PSC- C¶PµP°PeC†C-C—, C%Ps P±C†P»Pë PIPëC¶IP»PµPSC- C, C-P»C¶PePë PïC-Pr C†P°C† PePsC¶PsC, PePsC, C¶PëPIP°P»PëC... PeP»C-PSC-C†PSPëC... PrPsC†P»C-PrP¶PµPSC¶ C† PïC-PrP»C-C, PeC-PI. P¶P»C-PSC-C†PSPs P·PSP°C†C†C%Pµ P·P±C-P»C¶C€PµPSPSC¶ PjP°C†Pë C, C-P»P° (≥ 7 %) C†P°C†C, C-C€Pµ C†PiPsC†C, PµC¶C-PiP°P»PsC†C¶ C† PïC-PrP»C-C, PeC-PI PiPsC¶C-PIPSC¶PSPs P· PrPsC¶PsC†P»PëPjPë. PµC-Pr C†P°C† PrPsPIPiPsC, C¶PëPIP°P»PsPiPs P»C-PeCfPIP°PSPSC¶ (PSPµ PjPµPSC€Pµ 24 C, PëP¶PSC-PI) PeP»C-PSC-C†PSPs P·PSP°C†C†C%Pµ P·P±C-P»C¶C€PµPSPSC¶ PjP°C†Pë C, C-P»P° P±C†P»Ps PIPëC%PëPj, PSC-P¶ PïC-Pr C†P°C† PePsC¶PsC, PePsC, C¶PëPIP°P»PsPiPs P»C-PeCfPIP°PSPSC¶.

P¶P°C†C, PsC, C†B PiPsP±C-C†PSPëC...B C¶PµP°PeC†C-PNë, B P·P°P·PSP°C†PµPSPëC... PSPëP¶C†Pµ, PIPëP·PSP°C†P°C¶C, C¶ C, P°PePëPj C†PëPSPsPj: PrC†P¶Pµ C†P°C†C, Ps (≥ 1/10), C†P°C†C, Ps (≥ 1/100 B¶" < 1/10).

P— P±PsPeC† PsP±PjC-PSC† C¶PµC†PsPIPëPS.

P" C†P¶Pµ C†P°C†C, Ps: P·P±C-P»C¶C€PµPSPSC¶ PjP°C†Pë C, C-P»P°¹³, PïC-PrPIPëC%PµPSPSC¶ C¶C-PIPSC¶ C, C¶PëPIP»C-C†PµC¶PëPrC-PI¹⁴, PïC-PrPIPëC%PµPSPSC¶ P°PïPµC, PëC, C†.

P¶P°C†C, Ps: PïC-PrPIPëC%PµPSPSC¶ C¶C-PIPSC¶ C...PsP»PµC†C, PµC¶PëPSC†¹⁵.

P— P±PsPeC† PSPµC¶PIPsPIPsC— C†PëC†C, PµPjPë.

P" C†P¶Pµ C†P°C†C, Ps: C†PµPrP°C†C-C¶ (C† C, PsPjC† C†PëC†P»C- PïC-PiPµC¶C†PsPjPSC-C¶, PjP»C¶PIC-C†C, C¶, C†PsPSP»PëPIC-C†C, C¶).

P— P±PsPeC† C€P»C†PSPePsPIPs-PePëC€PePsPIPsPiPs C, C¶P°PeC, C†.

P¶P°C†C, Ps: C†C†C...C-C†C, C¶ C† C¶PsC, C-.

P— P±PsPeC† PiPµPiP°C, PsP±C-P»C-P°C¶PSPsC— C†PëC†C, PµPjPë.

P" C†P¶Pµ C†P°C†C, Ps: PïC-PrPIPëC%PµPSPSC¶ C¶C-PIPSC¶ PiPµC†C-PSPePsPIPëC... C, C¶P°PSC†P°PjC-PSP°P· (P¶P»P¶Pÿ C, P° P¶C†P¶Pÿ).

P" PsC†P»C-PrP¶PµPSPSC¶.

P" C†P¶Pµ C†P°C†C, Ps: P·PSPëP¶PµPSPSC¶ C¶C-PIPSC¶ P·P°PiP°P»C¶PSPsPiPs

P±C-P»C-CĤCfP±C-PSCf, PĭC-PrPIPëC%oPµPSPSCĭ CĤC-PIPSCĭ PiP°PjPjP° -
PiP»CfC,P°PjC-P»C,CĤP°PSCfC,,PµCĤP°P·Pë, PĭC-PrPIPëC%oPµPSPSCĭ CĤC-PIPSCĭ
PĭCĤPsP»P°PeC,PëPSCf Cf PĭP»P°P·PjC- PeCĤPsPIC-¹⁶.

¹³ PµC-CfP»Cĭ PePsCĤPsC,PePsCfP°CfPSPsPiPs P»C-PeCfPIP°PSPSCĭ (CfPµCĤPµPrPSCĭ
C,CĤPëPIP°P»C-CfC,Ch CfC,P°PSPsPIPëP»P° 22 PrPSC-) P·P±C-P»ChCëPµPSPSCĭ PjP°CfPë
C,C-P»P° PSP° ≥ 7 % CfPĭPsCfC,PµCĤC-PiP°P»PsCfCĭ PrCfP¶Pµ CfP°CfC,Ps (40,6 %
PIPëPiP°PrPeC-PI), ≥ 15 % CfPĭPsCfC,PµCĤC-PiP°P»PsCfCĭ CfP°CfC,Ps (7,1 %
PIPëPiP°PrPeC-PI) C,P° ≥ 25 % CfPĭPsCfC,PµCĤC-PiP°P»PsCfCĭ PSPµCfP°CfC,Ps (2,5 %
PIPëPiP°PrPeC-PI). PµC-Pr CfP°Cf PrPsPIPiPsC,CĤPëPIP°P»PsPiPs P»C-PeCfPIP°PSPSCĭ (PSPµ
PjPµPSCëPµ 24 C,PëP¶PSC-PI) Cf 89,4 % PiP°CfC-C" PSC,C-PI CfPĭPsCfC,PµCĤC-PiP°P»PsCfCĭ
P·P±C-P»ChCëPµPSPSCĭ PjP°CfPë C,C-P»P° PSP° ≥ 7 %, Cf 55,3 % vĤ" PSP° ≥ 15 % C,P° Cf
29,1 % vĤ" PSP° ≥ 25 %.

¹⁴ PŸPiPsCfC,PµCĤC-PiP°P»PsCfCĭ Cf PiP°CfC-C" PSC,C-PI P· PSPsCĤPjP°P»ChPSPëPj
PiPsCfP°C,PePsPIPëPj CĤC-PIPSPµPj PSP°C,C%oPµ (< 1,016 PjPjPsP»Ch/P»), CĭPePëPNe
PĭC-PrPIPëC%oCfPIP°PICfCĭ PrPs PIPëCfPsPePsPiPs (≥ 1,467 PjPjPsP»Ch/P»). P"CfP¶Pµ
CfP°CfC,Ps PiPsPIC-PrPsPjP»CĭP»PsCfCĭ PiCĤPs CĤC-P·PePµ PĭC-PrPIPëC%oPµPSPSCĭ
CĤC-PIPSCĭ C,CĤPëPiP»C-CfPµCĤPëPrC-PI PSP°C,C%oPµ P· PiPsCfP°C,PePsPIPsPiPs
CĤC-PIPSCĭ (≥ 1,016 vĤ" < 1,467 PjPjPsP»Ch/P») PrPs PIPëCfPsPePsPiPs CĤC-PIPSCĭ (≥ 1,467
PjPjPsP»Ch/P»).

¹⁵ PŸPiPsCfC,PµCĤC-PiP°P»PsCfCĭ Cf PiP°CfC-C" PSC,C-PI P· PSPsCĤPjP°P»ChPSPëPj
PiPsCfP°C,PePsPIPëPj CĤC-PIPSPµPj C...PsP»PµCfC,PµCĤPsP»Cf PSP°C,C%oPµ P·
PiPsCfP°C,PePsPIPsPiPsB CĤC-PIPSCĭ (< 4,39 PjPjPsP»Ch/P») PrPs PIPëCfPsPePsPiPs
CĤC-PIPSCĭ (≥ 5,17 PjPjPsP»Ch/P»). P"CfP¶Pµ CfP°CfC,Ps PiPsPIC-PrPsPjP»CĭP»PsCfCĭ
PiCĤPs CĤC-P·PePµ PĭC-PrPIPëC%oPµPSPSCĭ CĤC-PIPSCĭ P·P°PiP°P»ChPSPsPiPs
C...PsP»PµCfC,PµCĤPsP»Cf PSP°C,C%oPµ P· PiPsCfP°C,PePsPIPsPiPs CĤC-PIPSCĭ (≥ 4,39 vĤ" <
5,17 PjPjPsP»Ch/P») PrPs PIPëCfPsPePsPiPs CĤC-PIPSCĭ (≥ 5,17 PjPjPsP»Ch/P»).

¹⁶ Pj 47,4 % PĭC-PrP»C-C,PeC-PI CfPĭPsCfC,PµCĤC-PiP°P»PsCfCĭ PĭC-PrPIPëC%oPµPSPSCĭ
CĤC-PIPSCĭ PĭCĤPsP»P°PeC,PëPSCf Cf PĭP»P°P·PjC- PeCĤPsPIC-.

PfPSCëC- PiPsP±C-CfPSC- CĤPµP°PeCfC-C—, C%oPs CfPĭPsCfC,PµCĤC-PiP°P»PëCfCĭ PI
C...PsPrC- PeP»C-PSC-CfPSPëC... PrPsCfP»C-PrP¶PµPSCĤ PiPµCĤPsCĤP°P»ChPSPsPiPs
P·P°CfC,PsCfCĭPPIP°PSPSCĭ PsP»P°PSP·P°PĭC-PSCĭ.

PµPsCĤCfCëPµPSPSCĭ P· P±PsPeCf PSPµCĤPIPSPiPsC— CfPëCfC,PµPjPë: PSPµCfP°CfC,Ps (≥
0,1 %) vĤ" P°C,P°PeCfC-Cĭ, PrPëP·P°CĤC,CĤC-Cĭ.

P"CfP¶Pµ CĤC-PrPePs PiPsPIC-PrPsPjP»CĭP»PsCfCĭ PiCĤPs CfPëPSPPrCĤPsPj PIC-PrPjC-PSPë
(PIPëP»CĤCfP°CĤCfPë PrC-P°CĤPµCĤ, PSCfPrPsC,Cf, P±P»CĤPIP°PSPSCĭ).

PfP· PiPsCfC,PjP°CĤPePµC,PëPSPiPsPIPsPiPs PrPsCfPIC-PrCĭ PIC-PrPsPjPs PiCĤPs
PSPëP¶CfPµP·P°P·PSP°CfPµPSC- PiPsP±C-CfPSC- CĭPIPëC%oP°.

P— P±PsPeCĭ PiPµPiP°C,PsP±C-P»C-P°CĤPSPsC— CfPëCfC,PµPjPë: PrCfP¶Pµ CĤC-PrPePs (<
0,01%) vĤ" P¶PsPIC,CĭPSPëCfCĭ.

P— P±PsPeCĭ CëPeC-CĤPë C,P° C—C— PiPsC...C-PrPSPëC...: CĤC-PrPePs (< 0,1% C- > 0,01%)

БҖ“ PIPëCГPëPïP°PSPSCЦ.

P— P±PsPeCз C-PjCзPSPSPsC— CГPëCГC, PμPjPë: P°P»PμCҖPiC-C±PSC- CҖPμP°PeC†C-C—, PIPeP»CҖC±P°CҖC±Pë: PrcГP¶Pμ CҖC-PrPePs (< 0,01 %) БҖ“ P°PSP°C,,C-P»P°PeC, PëC±PSC- CҖPμP°PeC†C-C—, P°PSPiC-PsPSPμPICҖPsC, PëC±PSPëP№ PSP°P±CҖCЦPe (< 0,01 %), PeCҖPsPïPëPïBҖ™ CЦPSPeCГ P°P±Ps CГPIPμCҖP±C-P¶.

P†PSC€C- PsCГPSPsPIPSC- PSPμP±P°P¶P°PSC- CЦPIPëC%oP°, C...P°CҖP°PeC, PμCҖPSC- PrP»CЦ PïP°C†C-C”PSC, C-PI P· P±C-PïPsP»CЦCҖPSPsCҖ PjP°PSC-C”CҖ, CЦPeC- PsC, CҖPëPjCзCҖC, CҖ PsP»P°PSP·P°PïC-PS Cз PePsPjP±C-PSP°C†C-C— P· P»C-C, C-C”Pj C±Pë PIP°P»CҖPïCҖPsP°C, PsPj.

P”CГP¶Pμ C±P°CГC, Ps PïPsPIC-PrPsPjP»CЦP»PsCГCЦ PïCҖPs C, CҖPμPjPsCҖ (> 10 %). PμCҖPs PïPsCҖCГC€PμPSPSCЦ PjPsPIP»PμPSPSCЦ PïPsPIC-PrPsPjP»CЦP»PsCГCЦ C±P°CГC, Ps (> 1 % C, P° < 10 %).

P†PSC€C- PsCГPSPsPIPSC- PSPμP±P°P¶P°PSC- CЦPIPëC%oP°, C...P°CҖP°PeC, PμCҖPSC- PrP»CЦ PïP°C†C-C”PSC, C-PI P· C-PSPrcзPePsPIP°PSPëPj P»C-PeP°CҖCГCҖPePëPj P·P°CГPsP±PsPj (P°PïPsPSC-CГC, PsPj PrPsPïP°PjC-PSCз) PïCГPëC...PsP·PsPj, PïPsPïBҖ™ CЦP·P°PSPëPj P· C...PIPсCҖPsP±PsCҖ PμP°CҖPeC-PSCГPsPSP°.

P”CГP¶Pμ C±P°CГC, Ps PïPsPIC-PrPsPjP»CЦP»PsCГCЦ PïCҖPs PïP°P»CҖC†PëPSP°C†C-C— (> 10 %).

P†PSC€C- PsCГPSPsPIPSC- PSPμP±P°P¶P°PSC- CЦPIPëC%oP°, C...P°CҖP°PeC, PμCҖPSC- PrP»CЦ PïP°C†C-C”PSC, C-PI P»C-C, PSCҖPsPïPs PIC-PeCз P· PïCГPëC...PsP·PsPj PSP° C, P»C- PrPμPjPμPSC†C-C—.

P”CГP¶Pμ C±P°CГC, Ps PïPsPIC-PrPsPjP»CЦP»PsCГCЦ PïCҖPs PïPsCҖCГC€PμPSPSCЦ C...PsPrPë (> 10 %).

PҗPμCҖPjC-PS PïCҖPëPrP°C, PSPsCГC, C-. 3 CҖPsPePë.

PjPjPsPIPë P·P±PμCҖC-PiP°PSPSCЦ. P—P±PμCҖC-PiP°C, Pë PïCҖPë C, PμPjPïPμCҖP°C, CГCҖC- PSPμ PIPëC%oPμ 25 B°Pҗ, PI PsCҖPëPiC-PSP°P»CҖPSC-PMë CГPïP°PePsPIC†C-.

P—P±PμCҖC-PiP°C, PëB CГ PSPμPrPsCГC, CГPïPSPsPjCГ PrP»CЦ PrC-C, PμPMë PjC-CГC†C-.

PjPïP°PePsPIPeP°. PμPs 30 C, P°P±P»PμC, PsPe CГ P±P»C-CГC, PμCҖC-; PïPs 1 P±P»C-CГC, PμCҖCГ CГ PeP°CҖC, PsPSPSC-PMë PePsCҖPsP±C†C-.

B B B B B B PљP°C, PμPïPsCҖC-CЦ PIC-PrPïCГCГPeCГ. P—P° CҖPμC†PμPïC, PsPj.

B B B B B B B

