

Р_НР_СР_ЕС_ГР_ЕС_{„Р}»Р_СР_ЕС_ГР_°С_†Р_ЕР_С Р_іС_ҒР_ЕР_іР_СС-С_‡С_ГС_” Р_±Р_°Р_ЕС,Р_μС_ҒС-Р_°Р_»С_НР_СС-С,Р_СР_іР_СС-Р_·Р_СР_јР_μС_ҒР_°Р_·Р_Е С,Р_ЕР_іС_Г Р_†Р_† (Р_”Р_кР_Љ-Р_іС-С_ҒР_°Р_·Р_° С,Р_° С,Р_СР_іР_СС-Р_·Р_СР_јР_μС_ҒР_°Р_·Р_° IV), Р_СР_μР_СР_±С...С-Р_ГР_СС- Р_ГР_»С_Ц С_ҒР_μР_іР_»С-Р_ЕР_°С_†С-С—, С,С_ҒР_°Р_СС_ГР_ЕС_ҒР_ЕР_іС_†С-С— С,Р_° С_ҒР_μР_іР_°С_ҒР_°С_†С-С— Р_±Р_°Р_ЕС,Р_μС_ҒС-Р_°Р_»С_НР_СР_СС— Р_”Р_кР_Љ.

*Mycoplasma pneumoniae**

**P'PëPrPë, PrP»CЦ CЦPëPëC... PjPsP¶P»PëPIPëPNë CђPsP·PIPëC,PsPë
CђPµP·PëCђC,PµPSC,PSPsCђC,C-**

PђPµCђPsP±PSC- PiCђP°PjPіPsP·PëC,PëPIPSC- PjC-PëCђPsPsCђPiP°PSC-P·PjPë
*Enterococcus faecalis**

*Enterococcus faecium**

PђPµCђPsP±PSC- PiCђP°PjPSPµPiP°C,PëPIPSC- PjC-PëCђPsPsCђPiP°PSC-P·PjPë
*Enterobacter cloacae**

Escherichia coli#*

Klebsiella pneumoniae#*

Klebsiella oxytoca

*Proteus mirabilis**

PђPSP°PµCђPsP±PSC- PjC-PëCђPsPsCђPiP°PSC-P·PjPë

*Bacteroides fragilis**

P PµP·PëCђC,PµPSC,PSC- PjC-PëCђPsPsCђPiP°PSC-P·PjPë

PђPµCђPsP±PSC- PiCђP°PjPSPµPiP°C,PëPIPSC- PjC-PëCђPsPsCђPiP°PSC-P·PjPë

Pseudomonas aeruginosa

*P·C,,PµPëC,PëPIPSC-CђC,CH PrPsCђC,P°C,PSCHPsCђ PjC-CђPsCђ

PiCђPsPrPµPjPsPSCђC,CђPsPIP°PSP° Cr PëP»C-PSC-CђPSPëC...

PrPsCђP»C-PrP¶PµPSPSCЦC....

P PµP·PëCђC,PµPSC,PSPëPNë PrPs PjPµC,PëC†PëP»C-PSCr *S. aureus* PrCrP¶Pµ CђP°CђC,Ps

C" PsPrPSPsCђP°CђPSPs CђPµP·PëCђC,PµPSC,PSPëPj C- PrPs

C,,C,PsCђC...C-PSPsP»PsPSC-PI. Pj PjPµC,PëC†PëP»C-PSPsCђPµP·PëCђC,PµPSC,PSPëC... *S.*

aureus CђC-PIPµPSCH CђPµP·PëCђC,PµPSC,PSPsCђC,C- PrPs

PjPsPëCђPëC,,P»PsPëCђP°C†PëPSCr CђC,P°PSPsPIPëC,CH PіPsPSP°Pr 50 %.

#PëC,P°PjPë, CЦPëC- PIPëCђPsP±P»CЦCђC,CH P±PµC,P°-P»P°PëC,P°PjP°P·Cr

CђPsP·CëPëCђPµPSPsPiPs CђPіPµPëC,CђP° (ESBL), C" C,P°PëPsP¶

CђPµP·PëCђC,PµPSC,PSPëPjPë PrPs C,,C,PsCђC...C-PSPsP»PsPSC-PI.

PαP°CђPjP°PëPsPëC-PSPµC,PëPëP°.

P'CђPjPsPëC,CžPIP°PSPSCЦ C,P° P±C-PsPrPsCђC,CžPiPSC-CђC,CH

PµC-CђP»CЦ PsPrPSPsCђP°P·PsPIPsC— C-PSC,,CrP·C-C— PiCђPµPiP°CђP°C,Cr Cr PrPsP·C- 400

PjPi PiCђPsC,CЦPiPsPj 1 PiPsPrPëPSPë PjP°PëCђPëPjP°P»CHPSP° PëPsPSC†PµPSC,CђP°C†C-CЦ

PiCђPµPiP°CђP°C,Cr PrPsCђCЦPiP°C"C,CHCђCЦ Cr PëC-PSC†C- C-PSC,,CrP·C-C— C-

CђC,P°PSPsPIPëC,CH PiCђPëP±P»PëP·PSPs 4,1 PjPi/P», C%Ps P±C-P»CHCëPµ

PiCђPëP±P»PëP·PSPs PSP° 26 % C†CHPsPiPs PiPsPëP°P·PSPëPëP° PiCђPë

P·P°CђC,PsCђCrPIP°PSPSC- PiCђPµPiP°CђP°C,Cr PiPµCђPsCђP°P»CHPSPs (3,1 PjPi/P»).

PµPsPëP°P·PSPëPë AUC CђC,P°PSPsPIPëC,CH P±P»PëP·CHPëPs 39 PjPi*PiPsPr/P» PiC-CђP»CЦ

PIPSCrC,CђC-CëPSCHPsPIPµPSPSPsPiPs PIPiPµPrPµPSPSCЦ, C%Ps C,C-P»CHPëPë

PSPµP·PSP°C†PSPsCђ PjC-CђPsCђ PiPµCђPµPIPëC%CrC" C†PµPNë PiP°CђP°PjPµC,Cђ PiCђPë

P·P°CђC,PsCђCrPIP°PSPSC- PiCђPµPiP°CђP°C,Cr PiPµCђPsCђP°P»CHPSPs (35 PjPi*PiPsPr/P»);

P°P±CђPsP»CђC,PSP° P±C-PsPrPsCђC,CrPiPSC-CђC,CH CђC,P°PSPsPIPëC,CH

PiCђPëP±P»PëP·PSPs 91 %. PµCђPë PIPSCrC,CђC-CëPSCHPsPIPµPSPSPsPjCr

PIPIPµPrPµPSPSC- PjPsPëCђPëC,,P»PsPëCђP°C†PëPSCr PSPµPjP°C" PiPsC,CђPµP±Pë PI

PëPsCђPµPëC†C-C— PrPsP· PIC-PrPiPsPIC-PrPSPs PrPs PIC-PëCr P°P±Ps CђC,P°C,C-

PіP°C†C-C"PSC,C-PI. PαP°CђPjP°PëPsPëC-PSPµC,PëPëP° C" P»C-PSC-PNëPSPsCђ PI

PrC-P°PiP°P·PsPSC- 50вђ"200 PjPi PrP»CЦ PsPrPSPsCђP°P·PsPIPsC—

PiPµCђPsCђP°P»CHPSPsC— PrPsP·Pë, PrPs 600 PjPi PrP»CЦ PsPrPSPsCђP°P·PsPIPsC—

PIPSCrC,CђC-CëPSCHPsPIPµPSPSPsC— PrPsP·Pë C- PrPs 600 PjPi PrP»CЦ

P·P°CђC,PsCђCrPIP°PSPSCЦ 1 CђP°P· PSP° PrPsP±Cr PiCђPsC,CЦPiPsPj 10 PrPSC-PI.

P PsP·PiPsPrC-P»

РҺРsРeСГРёС,,Р»РsРeСГР°С†РёРs С€РiРёРrРeРs СҺРsР·РiРsРrС-Р»СiС”С,СҺСГСiС СГ РiРsР·Р°СГСГРrРёРsРsРjСГ РiСҺРsСГС,РsСҺС-. РҺР±ТМ С”Рj СҺРsР·РiРsРrС-Р»СГ СГ СҺС-РiРsРsРiР°Р¶РsРsРjСГ СГС,Р°РsС- (Vss) СГС,Р°РsРsРiРёС,СҺ Р±Р»Р»РёР·СҺРeРs 2 Р»/РeРi. Р-Р° СҺРµР·СГР»СҺС,Р°С,Р°РjРё РrРsСГР»С-РrР¶РµРsСҺ *in vitro* С,Р° *ex vivo*, Р·РiРёТМ СiР·СГРiР°РsРsСi Р· Р±С-Р»РeР°РjРё СГС,Р°РsРsРiРёС,СҺ РiСҺРёР±Р±Р»Р»Р·Р»Р·РsРs 40БТ”42 % РsРµР·Р°Р»Р¶РsРs РiС-Рr РeРsРsС†РµРsС,СҺР°С†С-С- РiСҺРµРiР°СҺР°С,СГ. РҺРsРeСГРёС,,Р»РsРeСГР°С†РёРs Рi РsСГРsРiРsРjСГ Р·РiРёТМ СiР·СГС”С,СҺСГСiС Р· Р°Р»СҺР±СГРjС-РsРsРj СГРёСҺРsРiР°С,РeРё РeСҺРsРiС-.

РҺР°РeСГРёРjР°Р»СҺРsС- РeРsРsС†РµРsС,СҺР°С†С-С- 5,4 РjРi/РeРi С,Р° 20,7 РjРi/Р» (СГРµСҺРµРrРsС- РiРµРsРjРµС,СҺРёС†РsС- Р·РsР°РµРµРsСi) СГРiРsСГС,РµСҺС-РiР°Р»Р»РёСГСi СГ СГР»РёР·РsРiС-Рn РsР±РsР»РsРsС†С- Р±СҺРsРsС...С-Рi С,Р° СҺС-РrРёРsС- РµРiС-С,РµР»С-Р°Р»С»СҺРsС- РiРёСГС,С-Р»РeРё РiС-РrРiРsРiС-РrРsРs С†РµРµСҺРµР· 2,2 РiРsРrРёРsРё РiС-СГР»Сi РiРµСҺРsСҺР°Р»С»СҺРsРiРs РiСҺРёРnРsРjСГ РrРsР·Рё. Р’С-РrРiРsРiС-РrРsР° РjР°РeСГРёРjР°Р»СҺРsР° РeРsРsС†РµРsС,СҺР°С†С-Сi Рi Р°Р»СҺРiРµРsР»СiСҺРsРёС... РjР°РeСҺРsС,,Р°РiР°С... СГС,Р°РsРsРiРёР»Р°Р° 56,7 РjРi/РeРi. Р’ СҺС-РrРёРsС- С€РeС-СҺРsРёС... РiСГС...РёСҺС†С-Рi РeРsРsС†РµРsС,СҺР°С†С-Сi 1,75 РjРi/Р» РiС-РrРjС-С†Р°Р»СГРµСҺРµР· 10 РiРsРrРёРs РiС-СГР»Сi РiРsСГС,СҺС-С€РsСҺРsРiРµРsРsРiРs РiРiРµРrРµРµРsСi. РµСҺРsС,,С-Р»СҺ В«РiС-Р»СҺРsР° РeРsРsС†РµРsС,СҺР°С†С-Сi БТ” С†Р°СГВ» РrР»Сi С-РsС,РµСҺСГС,РёС†С-Р°Р»С»СҺРsС- СҺС-РrРёРsРё С” Р°РsР°Р»РsРiС-С†РsРё РiСҺРsС,,С-Р»СҺ РrР»Сi РiР»Р°Р·Рё РeСҺРsРiС- Р· РrРsСГСiРiРsРµРsСiРj РjР°РeСГРёРjР°Р»СҺРsС- РiС-Р»СҺРsС- РeРsРsС†РµРsС,СҺР°С†С-С- 1,0 РjРi/Р» (СГРµСҺРµРrРsС” РiРµРsРjРµС,СҺРёС†РsРµ Р·РsР°РµРµРsСi) РiСҺРёР±Р±Р±Р»Р·РsРs С†РµРµСҺРµР· 1,8 РiРsРrРёРsРё РiС-СГР»Сi РiРsСГС,СҺС-С€РsСҺРsРiРµРsРsРiРs РiРiРµРrРµРµРsСi РiСҺРµРiР°СҺР°С,СГ.

РµРµС,Р°Р±РsР»С-Р·Рj

РҺРsРeСГРёС,,Р»РsРeСГР°С†РёРs РiС-РrР»СiРiР°С” Р±С-РsС,СҺР°СГСГС,,РsСҺРjР°С†С-С- II С,,Р°Р·РёС- РiРёРiРsРrРёС,СҺСГСiС Р· РsСҺРiР°РsС-Р·РjСГ РsРёСҺРeР°РjРё (Р±Р»Р»Р·СҺРeРs 40 %), Р° С,Р°РeРsР¶ С-Р· РeР°Р»РsРj/Р¶РsРiС†С (Р±Р»Р»Р·СҺРeРs 60 %) СiРe СГ РsРµР·РjС-РsРµРsРjСГ СГС,Р°РsС-, С,Р°РeС- СГ РiРёРiР»СiРrС- СГСГР»СҺС,,РsСГРiРsР»СГРe (Рµ1) С- РiР»СҺРeСГСҺРsРsС-РrС-Рi (Рµ2). M1 С- M2 С” РjРµС,Р°Р±РsР»С-С,Р°РjРё, СҺРµР»РiР°РiР°РsС,РsРёРjРё Р»РёС€Рµ РrР»Сi Р»СҺРrРёРsРё, РsР±РёРrРiР° РiРsРsРё С” РjС-РeСҺРsР±С-РsР»РsРiС-С†РsРs РsРµРeС,РёРiРsРёРjРё.

РµС-Рr С†Р°СГ РrРsСГР»С-РrР¶РµРsСҺ *in vitro* С,Р° РeР»С-РsС-С†РsРёС... РrРsСГР»С-РrР¶РµРsСҺ С,,Р°Р·Рё Р† РsРµ СГРiРsСГС,РµСҺС-РiР°Р»Р»Р·РsРs РjРµС,Р°Р±РsР»С-С†РsРsС- С,,Р°СҺРjР°РeРsРeС-РsРµС,РёС†РsРsС- РiР·Р°С”РjРsРrС-С- Р· С-РsС€РёРjРё РiСҺРµРiР°СҺР°С,Р°РjРё, Р·Р°РrС-СiРsРёРjРё СГ Р±С-РsС,СҺР°СГСГС,,РsСҺРjР°С†С-С- С,,Р°Р·Рё Р†, РiРeР»СҺС†Р°С†Рe С,,РµСҺРjРµРsС,Рё СГРёСГС,РµРjРё С†РёС,РsС...СҺРsРjСГ Р 450. РҺР·РsР° РsРeРeСГР»СҺРiР°Р»С»СҺРsРiРs РjРµС,Р°Р±РsР»С-Р·РjСГ РsРµРjР°С”.

Р’РёРiРµРrРµРsРsСi

РµРµСҺС-РsРr РsР°РiС-РiРiРёРiРµРrРµРsРsСi РjРsРeСГРёС,,Р»РsРeСГР°С†РёРsСГ Р· РiР»Р°Р·Рё РeСҺРsРiС- СГС,Р°РsРsРiРёС,СҺ РiСҺРёР±Р±Р±Р»Р·РsРs 12 РiРsРrРёРs. Р’РµРµСҺРµРrРsС-Рn РiСГС,Р°РsРsРiР»РµРsРёРn Р·Р°РiР°Р»С»СҺРsРёРn РeР»С-СҺРµРsСГ

ПiC-Cl'P»CлI PIPiPμPrPμPSPSCлI 400 PjPi Cl'C,P°PSPsPIPëC,CH PIC-Pr 179 PrPs 246 PjP»/C...PI.
 PμC-Cl'P»CлI PIPSCrC,CHC-C€PSCHPsPIPμPSPSPsPiPs PIPiPμPrPμPSPSCлI PI PrPsP·C- 400 PjPi
 PIPëPIPμPrPμPSPSCлI PìCHPμPìP°CHP°C,Cr P· Cl'PμC±PμCH Cr PSPμP·PjC-PSPμPSPsPjCr
 PIPëPiP»CлIPrC- Cl'C,P°PSPsPIPëP»Ps P±P»PëP·CHPePs 22 %, P· PeP°P»PsPj бґґ 26 %.
 P'PëPIPμPrPμPSPSCлI PrPsP·Pë (PSPμP·PjC-PSPμPSPsPiPs PìCHPμPìP°CHP°C,Cr C,P°
 PjPμC,P°P±PsP»C-C,C-PI) Cl'C,P°PSPsPIPëP»Ps P·P°PiP°P»PsPj P±P»PëP·CHPePs 98 %
 PìC-Cl'P»CлI PIPSCrC,CHC-C€PSCHPsPIPμPSPSPsPiPs PIPiPμPrPμPSPSCлI
 P»C-PeP°CHCl'CHPePsPiPs P·P°Cl'PsP±Cr. PкPëCHPePsPIPëPNë PeP»C-CHPμPSCлI
 Cl'C,P°PSPsPIPëC,CH PìCHPëP±P»PëP·PSPs 24бґґ 53 PjP»/C...PI C,P° Cl'PIC-PrC±PëC,CH PìCHPs
 C±P°Cl'C,PePsPICr PeP°PSP°P»CHC±PμPICr CHPμP°P±Cl'PsCHP±C±C-CH PìCHPμPìP°CHP°C,Cr
 P· PSPëCHPsPe. PґґCrPìCrC,PSC" P· PjPsPeCl'PëC,,P»PsPeCl'P°C±PëPSPsPj PIPiPμPrPμPSPSCлI
 CHP°PSC-C,PëPrPëPSCr C,P° PìCHPsP±PμPSPμC±PëPrCr PSPμ P·PjC-PSCHC"
 PSPëCHPePsPIPëPNë PeP»C-CHPμPSCлI PIPëC...C-PrPSPsPiPs P»C-PeP°CHCl'CHPePsPiPs
 P·P°Cl'PsP±Cr.

PкPëCHPePsPIP° PSPμPrPsCl'C,P°C,PSC-Cl'C,CH

PкPμ PIPëCлIPIP»PμPSPs C-Cl'C,PsC,PSPëC... P·PjC-PS C,,P°CHPjP°PePsPeC-PSPμC,PëPePë
 PjPsPeCl'PëC,,P»PsPeCl'P°C±PëPSCr Cr PìP°C±C-C"PS,C-PI C-P· PìPsCHCrC€PμPSPSCлI
 C,,CrPSPeC±C-C— PSPëCHPsPe (PIPeP»CHC±P°CHC±Pë PìP°C±C-C"PS,C-PI P·
 PeP»C-CHPμPSCлI'PsPj PeCHPμP°C,PëPSC-PSCr > 20 PjP»/C...PI/ 1,73 Pj²). P—C-
 P·PSPëP¶PμPSPSCлI'Pj C,,CrPSPeC±C-C— PSPëCHPsPe PePsPSC±PμPSC,CHP°C±C-CлI
 PjPμC,P°P±PsP»C-C,Cr Pһ2 (PiP»CHPeCrCHPsPSC-PrCr) P·P±C-P»CHC€CrC"C,CHCl'ClI
 PjP°PNëP¶Pμ PI 2,5 CHP°P·P° (P· PeP»C-CHPμPSCлI'PsPj PeCHPμP°C,PëPSC-PSCr < 30
 PjP»/C...PI/1,73 Pj²).

PμPsCHCзC€PμPSPSCлI C,,CзPSPeC±C-C— PìPμC±C-PSPePë

P"°PSC- PrPsCl'P»C-PrP¶PμPSCHC C,,P°CHPjP°PePsPeC-PSPμC,PëPePë, PìCHPsPIPμPrPμPSPëC...
 P·P° CrC±P°Cl'C,CH PìP°C±C-C"PS,C-PI P· PìPμC±C-PSPePsPIPsCH
 PSPμPrPsCl'C,P°C,PSC-Cl'C,CH (PeP»P°Cl'Pë Pһ, P' P·P° PeP»P°Cl'PëC,,C-PeP°C±C-C"CH
 PґґP°PNëP»PrP°бґґ"Рґбґґ™ CH), PSPμ PrP°CHC,CH P·PjPsPiPë PsCl'C,P°C,PsC±PSPs
 PIPëP·PSP°C±PëC,Pë, C±Pë C" CлIPeC-Cl'CH PIC-PrPjC-PSPSPsCl'C,C- Cr PìPsPeP°P·PSPëPeP°C...
 PìP°C±C-C"PS,C-PI C-P· PìPsCHCrC€PμPSPSCлI'Pj C,,CrPSPeC±C-C— PìPμC±C-PSPePë C,P°
 P·PrPsCHPsPIPëC... PrPsP±CHPsPIPsP»CHC±C-PI. PμPsCHCrC€PμPSPSCлI C,,CrPSPeC±C-C—
 PìPμC±C-PSPePë P±CrP»Ps PìPsPìбґґ™ CлIPr·P°PSPμ P· P±C-P»CHC€PsCH
 PμPeCl'PìPsP·PëC±C-C"CH Pһ1 Cr PìP»P°P·PjC- PeCHPsPIC-, C,PsPrC- CлIPe
 PμPeCl'PìPsP·PëC±C-CлI PIPëC...C-PrPSPsC— P»C-PeP°CHCl'CHPePsC— CHPμC±PsPIPëPSPë
 P±CrP»P° P°PSP°P»PsPiC-C±PSPsCH PμPeCl'PìPsP·PëC±C-C— Cr P·PrPsCHPsPIPëC...
 PrPsP±CHPsPIPsP»CHC±C-PI. P"°PsCl'C,P°C,PSCHPsPiPs PrPsCl'PIC-PrCr
 PeP»C-PSC-C±PSPsPiPs P·P°Cl'C,PsCl'CrPIP°PSPSCлI PjPsPeCl'PëC,,P»PsPeCl'P°C±PëPSCr PrP»CлI
 P»C-PeCrPIP°PSPSCлI PìP°C±C-C"PS,C-PI C-P· PìPsCHCrC€PμPSPSCлI'Pj C,,CrPSPeC±C-C—
 PìPμC±C-PSPePë PSPμPjP°C".

P"°PsPeP»C-PSC-C±PSC- PrP°PSC- P· P±PμP·PìPμPePë

PJ C,CHP°PrPëC±C-PNëPSPëC... PrPsCl'P»C-PrP¶PμPSPSCлI'C... P·P°Cl'C,PsCl'CrPIP°PSPSCлI
 PìPsPIC,PsCHPSPëC... PrPsP· PjPsPeCl'PëC,,P»PsPeCl'P°C±PëPSCr P±CrP»Ps PIPëCлIPIP»PμPSPs
 PiPμPjP°C,PsP»PsPiC-C±PSCr C,PsPeCl'PëC±PSC-Cl'C,CH C,P°
 PiPμPìP°C,PsC,PsPeCl'PëC±PSC-Cl'C,CH Cr C,PIP°CHPëPS. P'C-PrPjC-C±P°PICлI'ClI
 C,PsPeCl'PëC±PSPëPNë PIPìP»PëPI PSP° C±PμPSC,CHP°P»CHPSCr PSPμCHPIPSPICr
 Cl'PëCl'C,PμPjCr (PìPкPґґ). PìC- PμC,,PμPeC,Pë Cl'PìPsCl'C,PμCHC-PìP°P»PëCl'ClI PìC-Cl'P»CлI

PIPIPμPrPμPSPSCΠ PIPëCΓ΄PsPePëC... PrPsP· PjPsPeCΓ΄PëC,,P»PsPeCΓ΄P°C†PëPSCr P°P±Ps
PïC-CΓ΄P»CΠ C,CḡPëPIP°P»PsPiPs P·P°CΓ΄C,PsCΓ΄CfPIP°PSPSCΠ.

P’PëCΓ΄PsPeC- PïPμCḡPsCḡP°P»CH΄PSC- PrPsP·Pë Cr C,PIP°CḡPëPS (≥ 60 PjPi/PePi), PSP° C,P»C-
CΠPePëC... PePsPSC†PμPSC,CḡP°C†C-CΠ Cr PïP»P°P·PjC- PeCḡPsPIC- CΓ΄C,P°PSPsPIPëP»P° ≥ 20
PjPi/P», CΓ΄PïCḡPëC†PëPSCΠP»Pë P·PjC-PSPë PïPsPeP°P·PSPëPeC-PI
PμP»PμPeC,CḡPsCḡPμC,PëPSPsPiCḡP°PjPë, P° PI PsPeCḡPμPjPëC... PIPëPïP°PrPeP°C... Bḡ“
P°C,CḡPsC,,C-Cḡ CΓ΄C-C,PeC-PIPePë.

PμC-CΓ΄P»CΠ PIPSCrC,CḡC-CëPSCḡPsPIPμPSPSPsPiPs P·P°CΓ΄C,PsCΓ΄CfPIP°PSPSCΠ
CΓ΄PëCΓ΄C,PμPjPSP° C,PsPeCΓ΄PëC†PSC-CΓ΄C,CH P±CfP»P° PSP°PNëP±C-P»CHCë
PIPëCḡP°P¶PμPSPsCḡ PïCḡPë PIPIPμPrPμPSPSC- PjPsPeCΓ΄PëC,,P»PsPeCΓ΄P°C†PëPSCr
CëP»CΠC...PsPj P±PsP»CḡCΓ΄PSPëC... C-PSBḡ™ C”PeC†C-PNë (45 PjPi/PePi) C- PSPμ
PIC-PrPjC-C†P°P»P°CΓ΄CΠ PïCḡPë PIPIPμPrPμPSPSC- PjPsPeCΓ΄PëC,,P»PsPeCΓ΄P°C†PëPSCr (40
PjPi/PePi) CëP»CΠC...PsPj PïPsPIC-P»CH΄PSPëC... C-PSC,,CfP·C-PNë PïCḡPsC,CΠPiPsPj 50
C...PIPëP»PëPS.

PμC-CΓ΄P»CΠ C-PSC,CḡP°P°CḡC,PμCḡC-P°P»CH΄PSPsPiPs PIPIPμPrPμPSPSCΠ
CΓ΄PïPsCΓ΄C,PμCḡC-PiP°P»PëCΓ΄CΠ P·P°PïP°P»CH΄PSC- P·PjC-PSPë P· PïPsCëPëCḡPμPSPSCΠPj
PSP° PïPμCḡC-P°CḡC,PμCḡC-P°P»CH΄PSC- PjBḡ™ CΠPeC- C,PeP°PSPëPSPë, C%oPs
CΓ΄PIC-PrC†PëC,CH PïCḡPs C,Pμ, C%oPs PSPμPsP±C...C-PrPSPs CrPSPëPeP°C,Pë
C-PSC,CḡP°P°CḡC,PμCḡC-P°P»CH΄PSPsPiPs PIPIPμPrPμPSPSCΠ
PjPsPeCΓ΄PëC,,P»PsPeCΓ΄P°C†PëPSCr.

PḡPsPeCΓ΄PëC,,P»PsPeCΓ΄P°C†PëPS PIPëCΠIPëPICΓ΄CΠ PiPμPSPsC,PsPeCΓ΄PëC†PSPëPj PïC-Pr
C†P°CΓ΄ C,PμCΓ΄C,C-PI *in vitro* P· PIPëPePsCḡPëCΓ΄C,P°PSPSCΠPj P±P°PeC,PμCḡC-PNë P°P±Ps
PeP»C-C,PëPS CΓ΄CΓ΄P°PIC†C-PI. Pj PrPsCΓ΄P»C-PrP¶PμPSPSCΠC... *in vivo*
PiPμPSPsC,PsPeCΓ΄PëC†PSC-CΓ΄C,CH PSPμ PIC-PrPjC-C†P°P»P°CΓ΄CΠ, PSPμP·PIP°P¶P°CḡC†Pë
PSP° P·P°CΓ΄C,PsCΓ΄CfPIP°PSPSCΠ PrCfP¶Pμ PIPëCΓ΄PsPePëC... PrPsP·
PjPsPeCΓ΄PëC,,P»PsPeCΓ΄P°C†PëPSCr. PḡPsPeCΓ΄PëC,,P»PsPeCΓ΄P°C†PëPS PSPμ PIPëCΠIPëPI
PeP°PSC†PμCḡPsPiPμPSPSPsC— PrC-C— Cr PrPsCΓ΄P»C-PrP¶PμPSPSC-
PeP°PSC†PμCḡPsPiPμPSPμP·Cr Cr C,PIP°CḡPëPS.

P’ CrPjPsPIP°C... *in vitro* PjPsPeCΓ΄PëC,,P»PsPeCΓ΄P°C†PëPS Cr PIPëCΓ΄PsPePëC...
PePsPSC†PμPSC,CḡP°C†C-CΠC... PIPïP»PëPIP°PI PSP°
PμP»PμPeC,CḡPsC,,C-P·C-PsP»PsPiC-C†PSC- PïP°CḡP°PjPμC,CḡPë CΓ΄PμCḡC†PμPIPsC—
PrC-CΠP»CH΄PSPsCΓ΄C,C-, C%oPs PjPsPiP»Ps PIPëPeP»PëPeP°C,Pë PïPsPrPsPIP¶PμPSPSCΠ
C-PSC,PμCḡPIP°P»Cr QT.

PμC-CΓ΄P»CΠ PIPSCrC,CḡC-CëPSCḡPsPIPμPSPSPsPiPs P·P°CΓ΄C,PsCΓ΄CfPIP°PSPSCΠ
PjPsPeCΓ΄PëC,,P»PsPeCΓ΄P°C†PëPSCr C,PIP°CḡPëPSP°Pj Cr PrPsP·C- 30 PjPi/PePi CëP»CΠC...PsPj
C-PSC,,CfP·C-PNë C,CḡPëPIP°P»C-CΓ΄C,Cḡ 15, 30 P°P±Ps 60 C...PIPëP»PëPS
PIC-PrPjC-C†P°P»P°CΓ΄CΠ P·P°P»PμP¶PSC-CΓ΄C,CH CΓ΄C,CfPïPμPSCΠ PïPsPrPsPIP¶PμPSPSCΠ
C-PSC,PμCḡPIP°P»Cr QT PIC-Pr CëPIPëPrPePsCΓ΄C,C- C-PSC,,CfP·C-C—: C%oPs
PePsCḡPsC,CëPëPj P±CfPI C†P°CΓ΄ C-PSC,,CfP·C-C—, C,Ps P±C-P»CHCë PIPëCḡP°P¶PμPSPëPj
P±CfP»Ps PïPsPrPsPIP¶PμPSPSCΠ C-PSC,PμCḡPIP°P»Cr QT. PμPsPrPsPIP¶PμPSPSCΠ
C-PSC,PμCḡPIP°P»Cr QT PSPμ CΓ΄PïPsCΓ΄C,PμCḡC-PiP°P»Pë PïCḡPë PIPIPμPrPμPSPSC- PrPsP·Pë
30 PjPi/PePi CëP»CΠC...PsPj C-PSC,,CfP·C-C— C,CḡPëPIP°P»C-CΓ΄C,Cḡ 60 C...PIPëP»PëPS.

PμCḡPë PIPëPIC†PμPSPSC- PIPïP»PëPICr PjPsPeCΓ΄PëC,,P»PsPeCΓ΄P°C†PëPSCr PSP°
CḡPμPïCḡPsPrCfPeC,PëPIPSCr C,,CfPSPeC†C-Cḡ C,PIP°CḡPëPS PrPsPIPμPrPμPSPs, C%oPs
PjPsPeCΓ΄PëC,,P»PsPeCΓ΄P°C†PëPS PïCḡPsPSPëPeP°C” PeCḡC-P·CH PïP»P°C†PμPSC,Cr.

P"PsCfP»C-PrPë PSP° C,PIP°CfPëPSP°C... PSPµ PIPëCfPIPëP»Pë C,PµCfP°C,PSPiPµPSPSPsC— PrC-C— PjPsPeCfPëC,,P»PsPeCfP°C†PëPSCr P°P±Ps PiPsPiC-CfC€PµPSPSCf C,,PµCfC,PëP»CHPSPsCfC,C- PïC-CfP»Cf PNëPsPiPs P·P°CfC,PScfCfPIP°PSPSCf. Pj C,PIP°CfPëPS CfPiPsCfC,PµCfC-PiP°P»Pë PSPµP·PSP°C†PSPµ P·P±C-P»CHC€PµPSPSCf C†P°CfC,PSc,Pë PIPëPiP°PrPeC-PI PIP°Pr CfPsP·PIPëC,PeCf C...CfPµP±C,P° C,P° CfPµP±PµCf, P°P»Pµ C,C-P»CHPePë Cf CfP°P·C- P·P°CfC,PScfCfPIP°PSPSCf PrPsP·Pë (20 PjPi/PePi PIPSCrC,CfC-C€PSCfPsPIPµPSPSPs), CfPeP° P°CfPsc†C-CfPIP°P»P°CfCf C-P· CfPëP»CHPSPëPj C,PSPeCfPëC†PSPëPj PIPiP»PëPIPsPj PSP° PsCfPiP°PSC-P·Pj PjP°C,PµCfC-. PŸPiPsCfC,PµCfC-PiP°P»PsCfCf P·P±C-P»CHC€PµPSPSCf PeC-P»CHPePsCfC,C- PIPëPiP°PrPeC-PI PiPµCfPµCfPëPIP°PSPSCf PIP°PiC-C,PSPsCfC,C- Cf C,PIP°CfPëPS PSP° C,,PSPSC- C,PµCfP°PiPµPIC,PëC†PSPsC— PePsPSC†PµPSC,CfP°C†C-C— Cf PiP»P°P·PjC- PeCfPsPIC-, PiPµCfPµPrP±P°C†PµPSPsC— PiCfPë P·P°CfC,PScfCfPIP°PSPSC- Cf P»CHPrPëPSPë.

P'C-PrPsPjPs C%Ps C...C-PSPsP»PsPSPë, PI C,PSPjCf C†PëCfP»C- PjPsPeCfPëC,,P»PsPeCfP°C†PëPS, CfPiCfPëC†PëPSCfCfC,CH CfCfP°P¶PµPSPSCf C...CfCfC%C-PI PIPµP»PëPePëC... PrC-P°CfC,CfPsPrC-P°P»CHPSPëC... CfCfPiP»PsP±C-PI Cf CfC,P°C,PµPIPSPSPµP·CfC-P»PëC... C,PIP°CfPëPS.

PlP»C-PSC-C†PSC- C...P°CfP°PeC,PµCfPëCfC,PëPePë.

PµPsPeP°P·P°PSPSCf.

PkPµPiPsCfPiC-C,P°P»CHPSP° PiPSPµPIPjPsPSC-Cf.

PjCfPeP»P°PrPSPµPSC- C-PSC,,PµPeC†C-PNëPSC- P·P°C...PIPsCfCfPIP°PSPSCf C€PeC-CfPë C,P° PïC-PrC€PeC-CfPSPëC... C,PeP°PSPëPS.

PfPsPeCfPëC,,P»PsPeCfP°C†PëPS CfP»C-Pr P·P°CfC,PScfPsPICfPIP°C,Pë C,C-P»CHPePë C,PsPrC-, PePsP»Pë P·P°CfC,PScfCfPIP°PSPSCf C-PSC€PëC... P°PSC,PëP±P°PeC,PµCfC-P°P»CHPSPëC... PiCfPµPiP°CfP°C,C-PI, CfPeC- P·PIPëC†P°PNëPSPs CfPµPePsPjPµPSPPrCfCfC,CHCfCf PrP»Cf PiPsC†P°C,PePsPIPsPiPs P»C-PeCfPIP°PSPSCf C†PëC... C-PSC,,PµPeC†C-PNë, C" PSPµPrPsC†C-P»CHPSPëPj.

PŸP»C-Pr P·PIPµCfPSCrC,Pë CfPIP°PiCf PSP° PsC,,C-C†C-PNëPSC- C-PSCfC,CfCfPeC†C-C— P· PSP°P»PµP¶PSPsPiPs PIPëPePsCfPëCfC,P°PSPSCf P°PSC,PëP±P°PeC,PµCfC-P°P»CHPSPëC... P·P°CfPsP±C-PI.

PµCfPsC,PëPiPsPeP°P·P°PSPSCf.

- P"C-PiPµCfC†CfC,P»PëPIC-CfC,CH PrPs PjPsPeCfPëC,,P»PsPeCfP°C†PëPSCr, C-PSC€PëC... P°PSC,PëP±C-PsC,PëPeC-PI PiCfCfPiPë C...C-PSPsP»PsPSC-PI P°P±Ps P±CfPrCH-CfPePsC— P· PrPsPiPsPjC-P¶PSPëC... CfPµC†PsPIPëPS;

- PiPµCfC-PsPr PIP°PiC-C,PSPsCfC,C- P°P±Ps PiPsPrCfPIP°PSPSCf PiCfCfPrPrCf (PrPëPI. CfPsP·PrC-P» B«P—P°CfC,PScfCfPIP°PSPSCf Cf PiPµCfC-PsPr PIP°PiC-C,PSPsCfC,C- P°P±Ps PiPsPrCfPIP°PSPSCf PiCfCfPrPrCfB»);

- PrPëC,CfC†PëPNë PIC-Pe (PrPs 18 CfPsPeC-PI);

- P·P°C...PIPsCḡCḡPIP°PSPSCḡ/PiP°C,PsP»PsPiC-Cḡ CḡCḡC...PsPḡPḡP»Cḡ PI
P°PSP°PjPSPμP·C-, PiPsPiḡḡ™ CḡP·P°PSC- C-P· P·P°CḡC,PsCḡCḡPIP°PSPSCḡPj
C...C-PSPsP»PsPSC-PI.

PμC-Pr C‡P°Cḡ PrPsPeP»C-PSC-C‡PSPḡC... C,P° PeP»C-PSC-C‡PSPḡC... PrPsCḡP»C-PrPḡPμPSCḡ
PiC-CḡP»Cḡ PIPiPμPrPμPSPSCḡ PjPsPeCḡPḡC,,P»PsPeCḡP°C‡PḡPSCḡ
CḡPiPsCḡC,PμCḡC-PiP°P»PḡCḡCḡ P·PjC-PSPḡ PμP»PμPeC,CḡPsC,,C-P·C-PsP»PsPiC-C‡PSPḡC...
PiP°CḡP°PjPμC,CḡC-PI CḡPμCḡC‡PμPIPsC— PrC-CḡP»CḡPSPsCḡC,C-, C%Ps
PiCḡPsCḡPIP»CḡP»PḡCḡCḡ PiPsPrPsPIPḡPμPSPSCḡPj C-PSC,PμCḡPIP°P»Cḡ QT. P— C‡C-C”C—
PiCḡPḡC‡PḡPSPḡ PjPsPeCḡPḡC,,P»PsPeCḡP°C‡PḡPS PiCḡPsC,PḡPiPsPeP°P·P°PSPḡPNḡ
PiP°C‡C-C”PSC,P°Pj C-P·:

- PICḡPsPrPḡPμPSPḡPj P°P±Ps PSP°P±CḡC,PḡPj PiPsPrPsPIPḡPμPSPSCḡPj
C-PSC,PμCḡPIP°P»Cḡ QT;

- PiPsCḡCḡCḡPμPSPSCḡPj P±P°P»P°PSCḡCḡ PμP»PμPeC,CḡPsP»C-C,C-PI, PsCḡPsP±P»PḡPIPs
Cḡ PIPḡPiP°PrPeCḡ PSPμCḡPePsCḡPḡPiPsPIP°PSPsC— PiC-PiPsPeP°P»C-C”PjC-C—;

- PeP»C-PSC-C‡PSPs P·PSP°C‡CḡC%PsCḡ P±CḡP°PrPḡPeP°CḡPrC-C”Cḡ;

- PeP»C-PSC-C‡PSPs P·PSP°C‡CḡC%PsCḡ CḡPμCḡC‡PμPIPsCḡ
PSPμPrPsCḡC,P°C,PSC-CḡC,Cḡ P·C- P·PSPḡPḡPμPSPSCḡPj C,,CḡP°PeC‡C-C— PIPḡPePḡPrCḡ
P»C-PIPsPiPs CḡP»CḡPSPsC‡PeP°;

- CḡPḡPjPiC,PsPjP°C,PḡC‡PSPḡPjPḡ P°CḡPḡC,PjC-CḡPjPḡ PI P°PSP°PjPSPμP·C-.

PḡPsPeCḡPḡC,,P»PsPeCḡP°C‡PḡPS PSPμ PjPsPḡPSP° PsPrPSPsC‡P°CḡPSPs
P·P°CḡC,PsCḡPsPICḡPIP°C,Pḡ P· PiCḡPμPiP°CḡP°C,P°PjPḡ, CḡPeC- PiPsPrPsPIPḡCḡCḡC,Cḡ
C-PSC,PμCḡPIP°P» QT (PrPḡPI. C,P°PePsPḡ CḡPsP·PrC-P» B«P’P·P°C”PjPsPrC-Cḡ P·
C-PSCḡPḡPjPḡ P»C-PeP°CḡCḡCḡPePḡPjPḡ P·P°CḡPsP±P°PjPḡ C,P° C-PSCḡC- PIPḡPrPḡ
PIP·P°C”PjPsPrC-PNḡB»).

PSPμCḡPμP· PSPμPrPsCḡC,P°C,PSC-PNḡ PeP»C-PSC-C‡PSPḡPNḡ PrPsCḡPIC-Pr
P·P°CḡC,PsCḡCḡPIP°PSPSCḡ PjPsPeCḡPḡC,,P»PsPeCḡP°C‡PḡPS PiCḡPsC,PḡPiPsPeP°P·P°PSPḡPNḡ
PiP°C‡C-C”PSC,P°Pj C-P· PiPsCḡCḡCḡPμPSPSCḡPj C,,CḡPSPeC‡C-C— PiPμC‡C-PSPePḡ (PeP»P°Cḡ
Pḡ P·P° PeP»P°CḡPḡC,,C-PeP°C‡C-C”Cḡ PSP°PNḡP»PrP°ḡḡ“Pḡḡḡ™ Cḡ) C,P°
PiC-PrPIPḡC%PμPSPSCḡPj CḡC-PIPsC-PI C,CḡP°PSCḡP°PjC-PSP°P· Cḡ Piḡḡ™ CḡC,Cḡ
CḡP°P·C-PI C- P±C-P»CḡCḡPμ.

***P’P·P°C”PjPsPrC-Cḡ P· C-PSCḡPḡPjPḡ P»C-PeP°CḡCḡCḡPePḡPjPḡ P·P°CḡPsP±P°PjPḡ C,P°
C-PSCḡC- PIPḡPrPḡ PIP·P°C”PjPsPrC-PNḡ.***

P’P·P°C”PjPsPrC-Cḡ P· P»C-PeP°CḡCḡCḡPePḡPjPḡ P·P°CḡPsP±P°PjPḡ

PḡPμ PjPsPḡPSP° PIPḡPeP»CḡC‡PḡC,Pḡ P°PrPḡC,PḡPIPsPḡPNḡ PμC,,PμPeC,
PjPsPeCḡPḡC,,P»PsPeCḡP°C‡PḡPSCḡ C,P° C-PSCḡPḡC... P»C-PeP°CḡCḡCḡPePḡC...
P·P°CḡPsP±C-PI, C%Ps P·PrP°C,PSC- PIPḡPeP»PḡPeP°C,Pḡ PiPsPrPsPIPḡPμPSPSCḡ
C-PSC,PμCḡPIP°P»Cḡ QT Cḡ. PiPμPNḡ PμC,,PμPeC, PjPsPḡPμ PiCḡPḡP·PIPμCḡC,Pḡ PrPs
CḡPsP·PIPḡC,PeCḡ CḡP»CḡPSPsC‡PePsPIPḡC... P°CḡPḡC,PjC-PNḡ, PIPeP»CḡC‡P°CḡC‡Pḡ
PiPsP»C-PjPsCḡC,,PSCḡ CḡP»CḡPSPsC‡PePsPICḡ C,P°C...C-PeP°CḡPrC-Cḡ C,PḡPiCḡ
PiC-CḡCḡPμC,. P‡P· C‡C-C”C— PiCḡPḡC‡PḡPSPḡ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ

PjPsPeCfPëC,,P»PsPeCfP°C†PëPSCr PI PePsPjP±C-PSP°C†C-C— P· P±CfPrCHb-ClPePëPj C-P·
PSPëP¶C†PµP·P°P·PSP°C†PµPSPëC... P»C-PeP°C¶CfCHbPePëC... P·P°CfPsP±C-PI
PïC¶PsC,PëPïPsPeP°P·P°PSPµ (PrPëPI. C,P°PePsP¶ C¶PsP·PrC-P»
B«PµC¶PsC,PëPïPsPeP°P·P°PSPSClIB»):

- P°PSC,PëP°C¶PëC,PjC-C†PSC- PïC¶PµPïP°C¶P°C,Pë PeP»P°CfCf P†P¶
(PSP°PïC¶PëPeP»P°Pr C...C-PSC-PrPëPS, PïC-PrC¶PsC...C-PSC-PrPëPS,
PrPëP·PsPïC-C¶P°PjC-Pr);
- P°PSC,PëP°C¶PëC,PjC-C†PSC- PïC¶PµPïP°C¶P°C,Pë PeP»P°CfCf P†P†P†
(PSP°PïC¶PëPeP»P°Pr P°PjC-PsPrP°C¶PsPS, CfPsC,P°P»PsP», PrPsC,,PµC,PëP»C-Pr,
C-P±CfC,PëP»C-Pr);
- P°PSC,PëPïCfPëC...PsC,PëC†PSC- PïC¶PµPïP°C¶P°C,Pë (PSP°PïC¶PëPeP»P°Pr
C,,PµPSPsC,C-P°P·PëPSPë, PïC-PjPsP·PëPr, CfPµC¶C,PëPSPrPsP», PïP°P»PsPïPµC¶PëPrPsP»,
CfCfP»CHbC,PsPïC¶PëPr);
- C,C¶PëC†PëPeP»C-C†PSC- P°PSC,PëPrPµPïC¶PµCfP°PSC,Pë;
- PrPµClPeC- PïC¶PsC,PëPjC-PeC¶PsP±PSC- P·P°CfPsP±Pë (CfP°PePIC-PSP°PIC-C¶,
CfPïP°C¶C,,P»PsPeCfP°C†PëPS, PµC¶PëC,C¶PsPjC-C†PëPS IV, PïPµPSC,P°PjC-PrPëPS,
PïC¶PsC,PëPjP°P»ClC¶C-PN°PSC- PïC¶PµPïP°C¶P°C,Pë, P·PsPeC¶PµPjP°
PïP°P»PsC,,P°PSC,C¶PëPS);
- PrPµClPeC- P°PSC,PëPïC-CfC,P°PjC-PSPSC- PïC¶PµPïP°C¶P°C,Pë
(C,PµC¶C,,PµPSP°PrPëPS, P°CfC,PµPjC-P·PsP», PjC-P·PsP»P°CfC,PëPS);
- C-PSC€C- P»C-PeP°C¶CfCHbPeC- P·P°CfPsP±Pë (C†PëP·P°PïC¶PëPr, PIC-PSPeP°PjC-PS IV,
P±PµPïC¶PëPrPëP», PrPëC,,PµPjP°PSC-P»).

PµPsPeCfPëC,,P»PsPeCfP°C†PëPS CfP»C-Pr P· PsP±PµC¶PµP¶PSC-CfC,C¶ PïC¶PëPN°PjP°C,Pë
PïP°C†C-C°PSC,P°Pj, ClPeC- P·P°CfC,PsCfPsPICfCHb,C¶ PïC¶PµPïP°C¶P°C,Pë, C%°Ps
PjPsP¶CfC,C¶ P·PSPëP¶CfPIP°C,Pë C¶C-PIPµPSCHb PeP°P»C-C¶ (PSP°PïC¶PëPeP»P°Pr
PïPµC,P»CHbPsPIC- C,P° C,C-P°P·PëPrPSC- PrC-CfC¶PµC,PëPePë, PïC¶PsPSPsCfPSC-
P·P°CfPsP±Pë C,P° PeP»C-P·PjPë (Cf PIPëCfPsPePëC... PrPsP·P°C...),
PePsC¶C,PëPePsCfC,PµC¶PsC—PrPë, P°PjC,,PsC,PµC¶PëC†PëPS P'), P°P±Ps
PïC¶PµPïP°C¶P°C,Pë, PïPsPIb¶™ ClP·P°PSC- P· PeP»C-PSC-C†PSPs P·PSP°C†CfC%°PsC¶
P±C¶P°PrPëPeP°C¶PrC-C°C¶.

PµC-CfP»Cl P±P°PïP°C,PsC¶P°P·PsPIPSPiPs P·P°CfC,PsCfCfPIP°PSPSCl
PjPsPeCfPëC,,P»PsPeCfP°C†PëPSCr Cf P·PrPsC¶PsPIPëC... PrPsP±C¶PsPIPSP»CHb†C-PI
CfPïPsCfC,PµC¶C-PïP°P»PsCfCl P·P±C-P»CHbC€PµPSPSCl PŸ_{max} PrPëPïPsPeCfPëPSCr
PïC¶PëP±P»PëP·PSPs PSP° 30 % P±PµP· PIPïP»PëPICr PSP° AUC C†Pë C¶C-PIPµPSCHb
PIPeP°P·P°PSPsC— PeC¶PëPIPSC—.

PµC-Pr C†P°Cf PrPsCfP»C-PrP¶PµPSCHb P·P° CfC†P°CfC,C¶ PrPsP±C¶PsPIPSP»CHb†C-PI,
C...PIPsC¶PëC... PSP° PrC-P°P±PµC,, PsPrPSPsC†P°CfPSPµ P·P°CfC,PsCfCfPIP°PSPSCl
PjPsPeCfPëC,,P»PsPeCfP°C†PëPSCr PïPµC¶PsC¶P°P»CHbPSPs C,P°
PïP»C-P±PµPSPeP»P°PjC-PrCf PïC¶PëP·PIPsPrPëP»Ps PrPs P·PSPëP¶PµPSPSCl
PjP°PeCfPëPjP°P»CHbPSPsC— PePsPSC†PµPSC,C¶P°C†C-C— PïP»C-P±PµPSPeP»P°PjC-PrCf Cf
PïP»P°P·PjC- PeC¶PsPIC- PïC¶PëP±P»PëP·PSPs PSP° 21 %. PµPsPjP±C-PSP°C†C-Cl
PïP»C-P±PµPSPeP»P°PjC-PrCf P· PjPsPeCfPëC,,P»PsPeCfP°C†PëPSPsPj C,PµPsC¶PµC,PëC†PSPs

PjPsP¶Pµ CÍPíC¶PSPsPIPsPeCíPIP°C,Pë C¶PSP·PIPëC,PsPe PSPµP·PSP°C¶PSPsC—
PePsC¶PSPsC,PePsC,C¶PëPIP°P»PsC— PiC-PiPµC¶PiP»C-PePµPjC-C—. PhPrPSP°Pe
PIC-PrPjC-C¶PµPSC- P·PjC-PSPë C„P°C¶PjP°PePsPeC-PSPµC,PëPePë
PiP»C-P±PµPSPeP»P°PjC-PrCí PSPµ PIPëPeP»PëPeP°P»Pë P·PjC-PS PiP°C¶P°PjPµC,C¶C-PI
C„P°C¶PjP°PePsPrPëPSP°PjC-PePë (C¶C-PIPµPSC¶ PiP»C¶PePsP·Pë PI PeC¶PSPIC-,
C¶C-PIPµPSC¶ C-PSCÍCíP»C-PSCí). PhC,P¶Pµ, PeP»C-PSC-C¶PSPs P·PSP°C¶PëPjPsC—
PIP·P°C”PjPsPrC-C— PjC-P¶ PjPsPeCíPëC„P»PsPeCíP°C†PëPSPsPj C,P°
PiP»C-P±PµPSPeP»P°PjC-PrPsPj PSPµPjP°C”.

*P—PjC-PSP° P·PSP°C¶PµPSPSC¶ PjC-P¶PSP°C¶PSPsPrPSPsPiPs PSPsC¶PjP°P»C-P·PsPIP°PSPsPiPs
PIC-PrPSPsC¶PµPSPSC¶ (P¶P¶P’).*

PµPsPIC-PrPsPjP»C¶P»PsCíC¶ PíC¶PSP PIPµP»PëPeCí PeC-P»C¶PeC-CíC,C¶ PIPëPiP°PrPeC-PI
P·P±C-P»C¶C¶PµPSPSC¶ P°PeC,PëPIPSPsCíC,C- PiPµC¶PSPsC¶P°P»C¶PSPëC...
P°PSC,PëPePsP°PiCíP»C¶PSC,C-PI Cí PiP°C†C-C”PSC,C-PI, C¶PeC- PsC,C¶PëPjCíPIP°P»Pë
PíC¶PSPsC,PëPjC-PeC¶PSP±PSC- P·P°CíPSP±Pë, PsCíPSP±P»PëPIPs C„C,PsC¶C...C-PSPsP»PsPSPë,
PjP°PeC¶PSP»C-PrPë, C,PµC,C¶P°C†PëPeP»C-PSPë, PePsC,C¶PëPjPsPeCíP°P·PsP» C,P°
PrPµC¶PeC- C†PµC„P°P»PsCíPiPsC¶PëPSPë. P¶P°PeC,PsC¶P°PjPë C¶PëP·PëPeCí C”
C-PSC„PµPeC†C-PN°PSC- P·P°C...PIPsC¶C¶PIP°PSPSC¶ C- P·P°PiP°P»C¶PSPëPN° PíC¶PSPsC†PµCí,
PIC-Pe C- P·P°PiP°P»C¶PSPëPN° CíC,P°PS PiP°C†C-C”PSC,P°. Pj P·PiB¶™ C¶P·PeCí P· C†PëPj
PIP°P¶PePs PICíC,P°PSPsPIPëC,Pë, C†PëPj CíP°PjPµ PIPëPeP»PëPeP°PSC- P·PjC-PSPë P¶P¶P’:
C-PSC„PµPeC†C-C”C¶ P°P±Ps P»C-PeCíPIP°PSPSC¶Pj. PíPe P·P°CíC,PµC¶PµP¶PSPëPN°
P·P°C...C-Pr PjPsP¶PSP° C†P°CíC,C-C¶Pµ PiPµC¶PµPIC-C¶C¶C,Pë P¶P¶P’. P—P°
PíPsC,C¶PµP±Pë CíP»C-Pr PíC¶PSPsPIPµCíC,Pë PSP°P»PµP¶PSCí PePsC¶PµPeC†C-C¶ PrPsP·Pë
PiPµC¶PSPsC¶P°P»C¶PSPsPiPs PePsP°PiCíP»C¶PSC,Cí.

Pj PeP»C-PSC-C¶PSPëC... PrPsCíP»C-PrP¶PµPSPSC¶C... PrP»C¶
PSPëP¶C¶PµPSP°PIPµPrPµPSPëC... C¶PµC¶PsPIPëPS P±CíP»P° PrPsPIPµPrPµPSP°
PIC-PrCíCíC,PSC-CíC,C¶ PeP»C-PSC-C¶PSPs P·PSP°C¶CíC°PsC— PIP·P°C”PjPsPrC-C— P·
PjPsPeCíPëC„P»PsPeCíP°C†PëPSPsPj: C¶P°PSC-C,PëPrPëPS, PíC¶PSP±PµPSPµC†PëPr,
PiPµC¶PSPsC¶P°P»C¶PSC- PePsPSC,C¶P°C†PµPiC,PëPIPë, PeP°P»C¶C†C-C”PIC- PrPsP±P°PIPePë,
PjPsC¶C„C-PS PíC¶Pë PiP°C¶PµPSC,PµC¶P°P»C¶PSPsPjCí PIPµPrPµPSPSC-,
C,PµPsC„C-P»C-PS, C†PëPeP»PsCíPiPsC¶PëPS P°P±Ps C-C,C¶P°PePsPSP°P·PsP».

P”PsCíP»C-PrP¶PµPSPSC¶ *in vitro* C-P· P·P°CíC,PsCíCíPIP°PSPSC¶Pj C„PµC¶PjPµPSC,C-PI
C†PëC,PsC...C¶PSPjCí P 450 P»C¶PrPëPSPë PiC-PrC,PIPµC¶PrPëP»Pë C†C-
C¶PµP·CíP»C¶C,P°C,Pë. PýP°PePëPj C†PëPSPsPj, PjPµC,P°P±PsP»C-C¶PSP° PIP·P°C”PjPsPrC-C¶
C¶PµC¶PµP· C„PµC¶PjPµPSC,Pë C†PëC,PsC...C¶PSPjCí P 450 C” PjP°P»PsPN°PjPsPIC-C¶PSPsC¶.

P·P·P°C”PjPsPrC-C¶ P· C—P¶PµC¶

P¶PsPeCíPëC„P»PsPeCíP°C†PëPS PSPµ PIPëC¶PIP»C¶C” PeP»C-PSC-C¶PSPs
P·PSP°C¶CíC°PsC— PIP·P°C”PjPsPrC-C— P· C—P¶PµC¶, PIPeP»C¶C¶P°C¶C¶Pë PjPsP»PsC¶PSC-
PíC¶PSPsPrCíPeC,Pë.

PhCíPSP±P»PëPIC- P·P°C...PsPrPë P±PµP·PiPµPePë.

PhPrPëPS C„P»P°PePsPS PíC¶PµPiP°C¶P°C,Cí PíC¶PëP·PSP°C¶PµPSPëPN° PIPëPeP»C¶C¶PSPs
PrP»C¶ PsPrPSPsC¶P°P·PsPIPsPiPs P·P°CíC,PsCíCíPIP°PSPSC¶.
P¶PµPIPëPePsC¶PëCíC,P°PSPëPN° C¶PSP·C¶PëPS PiC-PrP»C¶PiP°C” CíC,PëP»C-P·P°C†C-C—.

P'CTC,P°PSPsPIP»PμPSPs, C%Ps PSP°PIPμPrPμPSC- PSPëP¶C±Pμ CḡPsP·C±PëPSPë C"
 CTCTPjC-CTPSPëPjPë P· CḡPsP·C±PëPSPsPj PrP»C¶ C-PSC,,CrP·C-PNë
 PjPsPeCTPëC,,P»PsPeCTP°CTPëPSCr 400 PjPi: PIPsPrP° PrP»C¶ C-PSBḡ™ C"PeCTC-PNë;
 CḡPsP·C±PëPS PSP°C,CḡC-CT C...P»PsCḡPëPrCr 0,9 %; CḡPsP·C±PëPS PSP°C,CḡC-CT
 C...P»PsCḡPëPrCr 1-PjPsP»C¶CḡPSPëPNë; CḡPsP·C±PëPS PiP»CTPePsP·Pë 5 %, 10 %, 40 %;
 CḡPsP·C±PëPS PeCTPëP»C-C,Cr 20 %; CḡPsP·C±PëPS P C-PSPiPμCḡP°; CTPeP»P°PrPSC-
 CḡPsP·C±PëPSPë PSP°C,CḡC-CT P»P°PeC,P°C,Cr (CḡPsP·C±PëPS PTP°CḡC,PjP°PSP°,
 P»P°PeC,P°C,PSPëPNë CḡPsP·C±PëPS P C-PSPiPμCḡP°).

P†PSC,,CrP·C-PNëPSPëPNë CḡPsP·C±PëPS PjPsPeCTPëC,,P»PsPeCTP°CTPëPSCr PSPμ CTP»C-Pr
 PIPiPsPrPëC,Pë CTCTPjC-CTPSPs P· C-PSCëPëPjPë PiCḡPμPiP°CḡP°C,P°PjPë.

PkPμ PIPëPePsCḡPëCTC,PsPICrPIP°C,Pë PiCḡPμPiP°CḡP°C, P·P° PSP°C¶PIPSPsCTC,C-
 PIPëPrPëPjPëC... C,PIPμCḡPrPëC... PrPsPjC-CëPsPe P°P±Ps Cr CḡP°P·C- PiPsPjCrC,PSC-PSPSC¶
 CḡPsP·C±PëPSCr.

PμCḡPë P·P±PμCḡC-PiP°PSPSC- Cr PiCḡPsC...PsP»PsPrPSPsPjCr PjC-CTCTC- PjPsP¶P»PëPIPμ
 PIPëPiP°PrC-PSPSC¶ PsCTP°PrCr, C¶PePëPNë CḡPsP·C±PëPSC¶C" C,CHCTC¶ PiCḡPë
 PeC-PjPSP°C,PSC-PNë C,PμPjPiPμCḡP°C,CrCḡC-. PÿPsPjCr PSPμ
 CḡPμPePsPjPμPSPrCrC" C,CHCTC¶ P·P±PμCḡC-PiP°C,Pë C-PSC,,CrP·C-PNëPSPëPNë
 CḡPsP·C±PëPS PiCḡPë C,PμPjPiPμCḡP°C,CrCḡC- PSPëP¶C±Pμ 15B° C.

PḡCTPsP±P»PëPIPsCTC,C- P·P°CTC,PsCTCzPIP°PSPSC¶.

PŸP»C-Pr CrPSPëPeP°C,Pë P·P°CTC,PsCTCTP°PIP°PSPSC¶ PjPsPeCTPëC,,P»PsPeCTP°CTPëPSCr
 PiP°CTC-C" PSC,P°Pj C-P· CTPμCḡPNëPsP·PSPëPjPë PiPsP±C-C±PSPëPjPë CḡPμP°PeCTC-C¶PjPë PI
 P°PSP°PjPSPμP·C- PiC-CTP»C¶ P·P°CTC,PsCTCTP°PIP°PSPSC¶ P»C-PeP°CḡCTCHPePëC...
 P·P°CTPSP±C-PI, C%Ps PjC-CTC,C¶C,CH C...C-PSPsP»PsPSPë P°P±Ps
 C,,C,PsCḡC...C-PSPsP»PsPSPë (PrPëPI. CḡPsP·PrC-P» B«PμPsP±C-C±PSC- CḡPμP°PeCTC-C-B».)
 P»C-PeCTP°PIP°PSPSC¶ C,P°PePëC... PiP°CTC-C" PSC,C-PI PjPsPeCTPëC,,P»PsPeCTP°CTPëPSPsPj
 CTCTP»C-Pr PiPsC±PëPSP°C,Pë C,C-P»CHPePë P·P° PIC-PrCTCTC,PSPCTC,C-
 P°P»CHC,PμCḡPSP°C,PëPIPsPSC— C,PμCḡP°PiC-C— C,P° PiC-CTP»C¶ CḡPμC,PμP»CHPSPsC—
 PsCTC-PSPePë CTPiC-PIPIC-PrPSPsCëPμPSPSC¶ PiPμCḡPμPIP°PiPë/CḡPëP·PëPe (PrPëPI.
 C,P°PePsP¶ CḡPsP·PrC-P» B«PμCḡPsC,PëPiPsPeP°P·P°PSPSC¶B»).

PμPμCḡPμPIP°PiPë PIC-Pr P»C-PeCTP°PIP°PSPSC¶ PjPsPeCTPëC,,P»PsPeCTP°CTPëPSPsPj,
 PsCTPSP±P»PëPIPs Cr CḡP°P·C- PSPμC,C¶P¶PePëC... C-PSC,,PμPeCTC-PNë,
 PSPμPsP±C...C-PrPSPs PsCTC-PSCḡPIP°C,Pë, P±PμCḡCrC±Pë PrPs CrPIP°PiPë
 C-PSC,,PsCḡPjP°CTC-CT, C¶PeP° PjC-CTC,PëC,CHCTC¶ Cr CTCHPsPjCr CḡPsP·PrC-P»C-.

PμPsPrPsPIP¶PμPSPSC¶ C-PSC,PμCḡPIP°P»Cr QT_{cr} C,P° PeP»C-PSC-C±PSC- CrPjPsPIPë, P·P°
 C¶PePëC... PjPsP¶P»PëPIPμ PiPsPrPsPIP¶PμPSPSC¶ C-PSC,PμCḡPIP°P»Cr QT_{cr}

P'CTC,P°PSPsPIP»PμPSPs, C%Ps PjPsPeCTPëC,,P»PsPeCTP°CTPëPS Cr PsPeCTPμPjPëC...
 PIP°CTC-C"°PSC,C-PI PICTPëP·PIPsPrPëC,CH PrPs PiPsPrPsPIP¶PμPSPSC¶
 C-PSC,PμCTHIP°P»Cr QTCI° PSP° PμP»PμPeC,CTPSPeP°CTPPrC-PsPiCTHP°PjC-. PŸC,CrPiC-PSCH
 PiPsPrPsPIP¶PμPSPSC¶ C-PSC,PμCTHIP°P»Cr QT PjPsP¶Pμ P·P±C-P»CHC€CrPIP°C,PëCTC¶
 P·C- P·P±C-P»CHC€PμPSPSC¶Pj PePsPSC†PμPSC,CTHP°CTC-C— PICTPμPiP°CTHP°C,Cr Cr
 PiP»P°P·PjC- PeCTPSPIC- PICTPë C€PIPëPrPeC-PNë PIPSCrC,CTHC-C€PSCHPsPIPμPSPSC-PNë
 C-PSC,,CrP·C-C—. PŸPsPjCr CT»C-Pr PrPsC,CTHPëPjCrPIP°C,PëCTC¶
 CTHPμPePsPjPμPSPPrP°CTC-PNë C%PsPrPs C,CTHPëPIP°P»PsCTC,C- C-PSC,,CrP·C-C—, C¶PeP°
 PiPsPIPëPSPSP° CT°C,P°PSPsPIPëC,Pë PSPμ PjPμPSC€Pμ 60 C...PIPëP»PëPS, C,P° PSPμ
 PiPμCTHPμPIPëC%CrPIP°C,Pë PIPSCrC,CTHC-C€PSCHPsPIPμPSPSCr PrPsP·Cr 400 PjPi 1 CTHP°P·
 PSP° PrPsP±Cr. P'C-P»CHC€ PrPμC,P°P»CHPSPs PrPëPI. Cr CTHPsP·PrC-P»P°C...
 B«PμCTHPsC,PëPiPsPeP°P·P°PSPSC¶B» C,P° B«P'P·P°C"PjPsPrC-C¶ P· C-PSC€PëPjPë
 P»C-PeP°CTCTCHPePëPjPë P·P°CTPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë
 PIP·P°C"PjPsPrC-PNëB».

PŸPμCTHP°PiC-CH PjPsPeCTPëC,,P»PsPeCTP°CTPëPSPsPj PICTPëPiPëPSC¶CTHC,CH PICTPë
 PiPsC¶PIC- CTPëPjPiC,PsPjC-PI, C%Ps PjPsP¶CrC,CH P±CrC,Pë PiPsPiBŸ™ C¶P·P°PSC- P·
 CTPμCTHC†PμPIPsCTH P°CTHPëC,PjC-C"CH, PSPμP·P°P»PμP¶PSPs PIC-Pr C,PsPiPs, C†Pë
 PiC-PrC,PIPμCTHPPrP¶CrC"°C,CHCTC¶ C†Pμ CTHPμP·CrP»CHC,P°C,P°PjPë P·PŸP°.

PμPsPeCTPëC,,P»PsPeCTP°CTPëPS CT»C-Pr P· PsP±PμCTHPμP¶PSC-CTC,CH
 P·P°CTC,PsCTPSPICrPIP°C,Pë PIP°CTC-C"°PSC,P°Pj P·C- CT°C,P°PSP°PjPë, C%Ps
 CT°PictPëC¶CTHC,CH CTHPsP·PIPëC,PeCr P°CTHPëC,PjC-C— (PSP°PictPëPeP»P°Pr, PiPsCTC,CTHP°
 C-C€PμPjC-C¶ PjC-PsPeP°CTHPPr°), PsCTPëC-P»CHPePë C,P°PeC- C...PIPsCTHC- PjP°CHC,CH
 PiC-PrPIPëC%PμPSPëPNë CTHPëP·PëPe PIPëPSPëPePSPμPSPSC¶ C€P»CrPSPsC†PePsPIPsC—
 P°CTHPëC,PjC-C— (PIPeP»CHC†P°CHC†Pë PiPsP»C-PjPsCTHC,,PSCr C€P»CrPSPsC†PePsPICr
 C,P°C...C-PeP°CTHPPrC-CH C,PëPiCr PiC-CTCrPμC,) C,P° P·CrPiPëPSPePë CT°PμCTHC†C¶ (PrPëPI.
 C,P°PePsP¶ CTHPsP·PrC-P»Pë B«PμCTHPsC,PëPiPsPeP°P·P°PSPSC¶B» C,P° B«P'P·P°C"PjPsPrC-C¶
 P· C-PSC€PëPjPë P»C-PeP°CTCTCHPePëPjPë P·P°CTPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë
 PIP·P°C"PjPsPrC-PNëB»)). PkPμPsP±C...C-PrPSPs P· PsP±PμCTHPμP¶PSC-CTC,CH
 P·P°CTC,PsCTPSPICrPIP°C,Pë PjPsPeCTPëC,,P»PsPeCTP°CTPëPS PIP°CTC-C"°PSC,P°Pj, C¶PeC-
 P·P°CTC,PsCTPSPICrCTHC,CH P»C-PeP°CTCTCHPeC- P·P°CTPsP±Pë, C%Ps PjPsP¶CrC,CH
 P·PSPëP¶CrPIP°C,Pë CTHC-PIPμPSCHP PeP°P»C-CH (PrPëPI. C,P°PePsP¶ CTHPsP·PrC-P»Pë
 B«PμCTHPsC,PëPiPsPeP°P·P°PSPSC¶B» C,P° B«P'P·P°C"PjPsPrC-C¶ P· C-PSC€PëPjPë
 P»C-PeP°CTCTCHPePëPjPë P·P°CTPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C"PjPsPrC-PNëB»)).

PŸP»C-Pr P· PsP±PμCTHPμP¶PSC-CTC,CH PICTPëP·PSP°C†P°C,Pë
 PjPsPeCTPëC,,P»PsPeCTP°CTPëPS PIP°CTC-C"°PSC,P°Pj, C¶PeC- PsC,CTHPëPjCrCTHC,CH
 P»C-PeP°CTCTCHPeC- P·P°CTPsP±Pë, C%Ps PiPsPiBŸ™ C¶P·CrCTHC,CH C-P·
 PeP»C-PSC-C†PSPs P·PSP°C†CrC%PsCTH P±CTHP°PrPëPeP°CTHPPrC-C"CH (PrPëPI. C,P°PePsP¶
 CTHPsP·PrC-P» B«PμCTHPsC,PëPiPsPeP°P·P°PSPSC¶B»).

Pj P¶C-PSPsPe C,P° PIP°CTC-C"°PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCr PjPsP¶Pμ
 CT°PiPsCTC,PμCTHC-PiP°C,PëCTC¶ P±C-P»CHC€P° C†CrC,P»PëPIC-CTC,CH PrPs PrC-C—
 PICTPμPiP°CTHP°C,C-PI, C%Ps PIPëPeP»PëPeP°CHC,CH PiPsPrPsPIP¶PμPSPSC¶
 C-PSC,PμCTHIP°P»Cr QT_{Cr}, C,P°PePëC... C¶Pe PjPsPeCTPëC,,P»PsPeCTP°CTPëPS, C,PsPjCr
 C,P°PeC- C...PIPsCTHC- PiPsC,CTHPμP±CrCTHC,CH PsCTPsP±P»PëPIPsC— CrPIP°PiPë.

PμC-PrPIPëC%PμPSP° C†CrC,P»PëPIC-CTC,CH/P°P»PμCTHPiC-C†PSC- CTHPμP°PeCTC-C—

PμPsPIC-PrPsPjP»C¶P»PsCTC¶ PICTHPs PIPëPiP°PrPePë CTHPsP·PIPëC,PeCr

PiC-PiPμCḡC†CfC,P»PēPIPsCfC,C- C,P° P°P»PμCḡPiC-C†PSPēC... CḡPμP°PeC†C-PNē PiC-CfP»Cf PīPμCḡCēPsPiPs P·P°CfC,PsCfCfPIP°PSPSCf C,,C,PsCḡC...C-PSPsP»PsPSC-PI, PIPeP»CḡC†P°CḡC†Pē PjPsPeCfPēC,,P»PsPeCfP°C†PēPS. PhPSP°C,,C-P»P°PeC,PēC†PSC- CḡPμP°PeC†C-C— PjPsPḡCfC,Cḡ PSP°P±CfPIP°C,Pē C,,PsCḡPjPē PSPμ±PμP·PiPμC†PSPsPiPs PrP»Cf PḡPēC,C,Cf CēPsPeCf PSP°PIC-C,Cḡ PiC-CfP»Cf PīPμCḡCēPsPiPs P·P°CfC,PsCfCfPIP°PSPSCf PiCḡPμPiP°CḡP°C,Cf. Pj CḡP°P·C- PeP»C-PSC-C†PSPsPiPs PiCḡPsCfPICf C,CfPḡPePēC... CḡPμP°PeC†C-PNē PiC-PiPμCḡC†CfC,P»PēPIPsCfC,C- PSPμPsP±C...C-PrPSPs PiCḡPēPiPēPSPēC,Pē P·P°CfC,PsCfCfPIP°PSPSCf PjPsPeCfPēC,,P»PsPeCfP°C†PēPSCf C,P° PiPsC†P°C,Pē PIC-PrPiPsPIC-PrPSPμ P»C-PeCfPIP°PSPSCf (PSP°PiCḡPēPeP»P°Pr C,PμCḡP°PiC-Cḡ CēPsPeCf).

PŷCfPḡPeC- PiPsCḡCfCēPμPSPSCf C,,CfPSPeC†C-C— PiPμC†C-PSPePē

PμCḡPē P·P°CfC,PsCfCfPIP°PSPSC- PjPsPeCfPēC,,P»PsPeCfP°C†PēPSCf PiPsPIC-PrPsPjP»CfP»PsCfCf PiCḡPs PIPēPiP°PrPePē C,,CfP»CḡPjC-PSP°PSC,PSPsPiPs PiPμPiP°C,PēC,Cf, C%Ps PjPsPḡPμ PiCḡPēP·PIPsPrPēC,Pē PrPs CḡPsP·PIPēC,PeCf PiPμC†C-PSPePsPiPsC— PSPμPrPsCfC,P°C,PSPsCfC,C- (PIPeP»CḡC†P°CḡC†Pē P»PμC,P°P»CḡPSC- PIPēPiP°PrPePē) (PrPēPI. CḡPsP·PrC-P» B«PμPsP±C-C†PSC- CḡPμP°PeC†C-C—B»). Pj CḡP°P·C- PIPēPSPēPePSPμPSPSCf CfPēPjPiC,PsPjC-PI C,,CfP»CḡPjC-PSP°PSC,PSPsPiPs PiPμPiP°C,PēC,Cf, C,P°PePēC... CfPe P°CfC,PμPSC-Cf, C%Ps CēPIPePrPePs CḡPsP·PIPēPIP°C,CḡCfCf C,P° CfCfPiCḡPsPiPsPrPḡCfC,CḡCfCf PḡPsPIC,CfPSPēC†PμCḡ, C,PμPjPSPsCḡ CfPμC†PμCḡ, CfC...PēP»CḡPSC-CfC,Cḡ PrPs PeCḡPsPiPsC,PμC† P°P±Ps PiPμC†C-PSPePsPiPsCḡ PμPSC†PμC,,P°P»PsPiP°C,C-C"ḡ, PiP°C†C-C"PSC,P°Pj CḡPμPePsPjPμPSPrCfC"C,CḡCfCf PiCḡPsPePsPSCfCfP»CḡC,CfPIP°C,PēCfCf P· P»C-PeP°CḡPμPj PiPμCḡPμPr PiCḡPsPrPsPIPḡPμPSPSCfPj P»C-PeCfPIP°PSPSCf.

PμCḡPē PiPsCfPIC- PsP·PSP°Pe PiPsCḡCfCēPμPSPSCf C,,CfPSPeC†C-C— PiPμC†C-PSPePē PSPμPsP±C...C-PrPSPs PiCḡPsPiPμCfC,Pē PrPsCfP»C-PrPḡPμPSPSCf C,,CfPSPeC†C-C— PiPμC†C-PSPePē.

PŷCfPḡPeC- CēPeC-CḡPSC- CḡPμP°PeC†C-C—

PμC-Pr C†P°Cf P·P°CfC,PsCfCfPIP°PSPSCf PjPsPeCfPēC,,P»PsPeCfP°C†PēPSCf (PrPēPI. CḡPsP·PrC-P» B«PμPsP±C-C†PSC- CḡPμP°PeC†C-C—B») PiPsPIC-PrPsPjP»CfP»PsCfCf PiCḡPs PIPēPiP°PrPePē C,CfPḡPePēC... CēPeC-CḡPSPēC... CḡPμP°PeC†C-PNē, PIPeP»CḡC†P°CḡC†Pē C,PsPeCfPēC†PSPēPNē PμPiC-PrPμCḡPjP°P»CḡPSPēPNē PSPμPeCḡPsP»C-P· (PŷP·Pḡ), C,P°PePsPḡ PIC-PrPsPjPēPNē CfPe CfPēPSPrCḡPsPj P»P°PNēC"P»P°P), CfPēPSPrCḡPsPj PŷC,C-PIPμPSCfP° Bḡ" P"PḡPsPSCfPsPSP° (PŷPŷP"), PiPsCfC,CḡPēPNē PiPμPSPμCḡP°P»C-P·PsPIP°PSPēPNē PμPeP·P°PSC,PμPjP°C,PsP·PSPēPNē PiCfCfC,CfP»CḡPsP· (P"P·P·Pμ) C,P° CḡPμP°PeC†C-Cḡ PSP° P»C-PeP°CḡCfCḡPePēPNē P·P°CfC-P± P· PμPsP·PēPSPsC,,C-P»C-C"ḡ C,P° CfPēCfC,PμPjPSPēPjPē CfPēPjPiC,PsPjP°PjPē (DRESS), CfPeC- PjPsPiP»Pē P·P°PiCḡPsPḡCfPIP°C,Pē PḡPēC,C,Cḡ P°P±Ps P±CfC,Pē P»PμC,P°P»CḡPSPēPjPē. PμC-Pr C†P°Cf PiCḡPēP·PSP°C†PμPSPSCf P»C-PeP°CḡCfCḡPePsPiPs P·P°CfPsP±Cf PiP°C†C-C"PSC,C-PI CfP»C-Pr PiPsPiPμCḡPμPrPḡP°C,Pē PiCḡPs PsP·PSP°PePē C,P° CfPēPjPiC,PsPjPē C,CfPḡPePēC... CḡPμP°PeC†C-PNē CēPeC-CḡPē C- CfC,P°CḡP°PSPSPs P·P° PSPēPjPē CfPiPsCfC,PμCḡC-PiP°C,Pē. PμCḡPē PiPsCfPIC- PsP·PSP°Pe C,P° CfPēPjPiC,PsPjC-PI, C%Ps CfPIC-PrC†P°C,Cḡ PiCḡPs C,P°PeC- CḡPμP°PeC†C-C—, PjPsPeCfPēC,,P»PsPeCfP°C†PēPS CfP»C-Pr PSPμPiP°PNēPSPs PIC-PrPjC-PSPēC,Pē C- CḡPsP·PiP»CfPSCfC,Pē P°P»CḡC,PμCḡPSP°C,PēPIPSPμ P»C-PeCfPIP°PSPSCf. PiPeC%Ps PiCḡPē C,PμCḡP°PiC-C— PjPsPeCfPēC,,P»PsPeCfP°C†PēPSPsPj Cf PiP°C†C-C"PSC,P° CḡPsP·PIPēPSCfP»PēCfCḡ C,CfPḡPeC- CēPeC-CḡPSC- CḡPμP°PeC†C-C—, C,P°PeC- CfPe

$$\text{P}^{\text{H}}\text{C}^{\text{I}}\text{P}^{\text{e}}\text{C}\dots\text{C}-\text{C}^{\text{I}}\text{P}^{\text{S}}\text{C}-\text{C}^{\text{H}}\text{P}^{\text{U}}\text{P}^{\text{O}}\text{P}^{\text{e}}\text{C}^{\text{I}}\text{C}-\text{C}-\text{P}^{\text{I}}\text{P}^{\text{S}}\text{P}^{\text{I}}\text{C}^{\text{r}}\text{C},\text{C}^{\text{H}}\text{P}^{\text{I}}\text{P}^{\text{e}}\text{P}^{\text{S}}\text{P}^{\text{e}}\text{P}^{\text{e}}\text{P}^{\text{O}}\text{C},\text{P}^{\text{e}}\text{P}^{\text{S}}\text{P}^{\text{O}}\text{P}^{\text{I}}\text{C}-\text{C},\text{C}^{\text{H}}$$

PĭC-CĭP»Cĭ PĭPμCĭC€PsPiPs P·P°CĭC,PsCĭCĭPIP°PSPSCĭ C,,C,PsCĭC...C-PSPsP»PsPSC-PI,
 PĭPeP»CĭC±P°CĭC±Pĕ PjPsPeCĭPĕC,,P»PsPeCĭP°CĭPĕPS. Pj CĭC-PrPeC-CĭPSPĕC...
 PĭPĕPĭP°PrPeP°C... PrPμPĭCĭPμCĭC-Cĭ C±Pĕ PĭCĭPĕC...C-C±PSC- CĭPμP°PeCĭC-C—
 PĭCĭPsPiCĭPμCĭCĭPIP°P»Pĕ PrPs CĭPsP·PĭPĕC,PeCĭ CĭCĭC—CĭPĕPrP°P»CĭPSPĕC... PrCĭPjPsPe
 C- C,P°PePĕC... PĭCĭPsCĭPIC-PI CĭP°PjPsP°PĭCĭPμCĭC-C—, CĭPe CĭPĭCĭPsP±Pĕ
 CĭP°PjPsPiCĭP±CĭC,PIP° (PrPĕPI. CĭPsP·PrC-P» B«PμPsP±C-C±PSC- CĭPμP°PeCĭC-C—B».)
 PĭPeC%Ps Cĭ PĭP°CĭC-C”PSC,P° CĭPsP·PĭPĕPIP°CĭC,CĭCĭCĭ C,P°PeC- CĭPμP°PeCĭC-C—,
 P»C-PeCĭPIP°PSPSCĭ PjPsPeCĭPĕC,,P»PsPeCĭP°CĭPĕPSPsPj CĭP»C-Pr PĭCĭPĕPĭPĕPSPĕC,Pĕ C,P°
 PĭPĕPĕC,Pĕ PIC-PrPiPsPIC-PrPSPĕC... P·P°C...PsPrC-PI. PĕPμPsP±C...C-PrPSPs
 PrPsC,CĭPĕPjCĭPIP°C,PĕCĭCĭ PsP±PμCĭPμPĕPSPsCĭC,C-, PĭCĭPĕP·PSP°CĭP°CĭC±Pĕ
 PjPsPeCĭPĕC,,P»PsPeCĭP°CĭPĕPS PĭP°CĭC-C”PSC,P°Pj, P· PĭCĭPĕC...C-C±PSPĕPjPĕ
 P·P°C...PIPSCĭCĭPIP°PSPSCĭPjPĕ PI P°PSP°PjPSPμP·C- P°P±Ps P· PSP°CĭPIPSC-CĭC,Cĭ
 C,P°PePĕC... PSPĕPSC-.

P”C-P°CĭPμCĭ, P°CĭPsCĭC-PMsPsPIP°PSP° C-P· P·P°CĭC,PsCĭCĭPIP°PSPSCĭPj
P°PSC,PĕP±C-PsC,PĕPeC-PI, PĭPeP»CĭC±P°CĭC±Pĕ PePsP»C-C,

P’PĕPĭP°PrPePĕ PrC-P°CĭPμC—, P°CĭPsCĭC-PMsPsPIP°PSPsC— C-P·
 P·P°CĭC,PsCĭCĭPIP°PSPSCĭPj P°PSC,PĕP±C-PsC,PĕPeC-PI (AAP”), C,P° PePsP»C-C,Cĭ,
 P°CĭPsCĭC-PMsPsPIP°PSPsPiPs C-P· P·P°CĭC,PsCĭCĭPIP°PSPSCĭPj P°PSC,PĕP±C-PsC,PĕPeC-PI
 (AAP), PĭPeP»CĭC±P°CĭC±Pĕ PĭCĭPμPIP°PrPsPjPμPjP±CĭP°PSPsP·PSPĕPNs PePsP»C-C, C,P°
 PrC-P°CĭPμCĭ, P°CĭPsCĭC-PMsPsPIP°PSCĭ P· *Clostridium difficile*,
 CĭPiPsCĭC,PμCĭC-PĭP°P»PĕCĭCĭ Cĭ P·PIBĭ™ CĭP·PeCĭ C-P· P·P°CĭC,PsCĭCĭPIP°PSPSCĭPj
 P°PSC,PĕP±C-PsC,PĕPeC-PI CĕPĕCĭPsPePsPiPs CĭPiPμPeC,CĭP° PrC-C—, PI C,PsPjCĭ
 C±PĕCĭP»C- PjPsPeCĭPĕC,,P»PsPeCĭP°CĭPĕPSCĭ. PŸC,CĭPiC-PSCH PĭCĭPsCĭPICĭ CĭPĕC...
 CĭPIPĕC% PjPsPĕPμ PePsP»PĕPIP°C,PĕCĭCĭ PIC-Pr PrC-P°CĭPμC— P»PμPiPePsPiPs
 CĭC,CĭPiPμPSCĭ PrPs PePsP»C-C,Cĭ P· P»PμC,P°P»CĭPSPĕPj PSP°CĭP»C-PrPePsPj. PŸPsPjCĭ
 PĭP°PĕP»PĕPiPs PICĭP°C...PsPICĭPIP°C,Pĕ PNsPjPsPIC-CĭPSC-CĭC,Cĭ C,P°PePsPiPs
 PrC-P°PiPSPsP·Cĭ Cĭ PĭP°CĭC-C”PSC,C-PI, Cĭ CĭPePĕC... PĭC-Pr C±P°Cĭ P°P±Ps PĭC-CĭP»Cĭ
 P·P°CĭC,PsCĭCĭPIP°PSPSCĭ PjPsPeCĭPĕC,,P»PsPeCĭP°CĭPĕPSCĭ CĭPsP·PĭPĕPIP°C”C,CĭCĭCĭ
 C,CĭPĕP° PrC-P°CĭPμCĭ. PμCĭPĕ PĭC-PrPsP·CĭCĭPIP°PSC-PMs P°P±Ps
 PĭC-PrC,PIPμCĭPrPĕPμPSC-PMs AAP” P°P±Ps AAP P»C-PeCĭPIP°PSPSCĭ C-P·
 P·P°CĭC,PsCĭCĭPIP°PSPSCĭPj PĭCĭPsC,PĕPjC-PeCĭPsP±PSPĕC... P·P°CĭPsP±C-PI,
 PĭPeP»CĭC±P°CĭC±Pĕ PjPsPeCĭPĕC,,P»PsPeCĭP°CĭPĕPS, CĭP»C-Pr PĭCĭPĕPĭPĕPSPĕC,Pĕ C,P°
 PSPμPiP°PMsPSPs CĭPsP·PĭPsC±P°C,Pĕ PIC-PrPiPsPIC-PrPSC- C,PμCĭP°PiPμPIC,PĕC±PSC-
 P·P°C...PsPrPĕ. PμCĭC-Pj CĭCHPsPiPs, PSPμPsP±C...C-PrPSPs PĭPĕC,Pĕ
 PIC-PrPiPsPIC-PrPSPĕC... P·P°C...PsPrC-PI, CĭPĭCĭCĭPjPsPIP°PSPĕC... PSP°
 PePsPSC,CĭPsP»Cĭ C-PSC,,PμPeCĭC-C—, P· PjPμC,PsCĭ P·PSPĕPĕPμPSPSCĭ CĭPĕP·PĕPeCĭ
 C—C— PĭPμCĭPμPrP°C±C-. PμP°CĭC-C”PSC,P°Pj, Cĭ CĭPePĕC... CĭPsP·PĭPĕPIP°C”C,CĭCĭCĭ
 C,CĭPĕP° PrC-P°CĭPμCĭ, PĭCĭPsC,PĕPiPsPeP°P·P°PSC- PĭCĭPμPĭP°CĭP°C,Pĕ, C%Ps
 PĭCĭPĕPiPSC-C±CĭCĭC,Cĭ PĭPμCĭPĕCĭC,P°P»CĭC,PĕPeCĭ.

PμP°CĭC-C”PSC,Pĕ, C...PIPSCĭC- PSP° C,CĭPĕPeCĭ PjC-P°CĭC,PμPSC-Cĭ

PμPsPeCĭPĕC,,P»PsPeCĭP°CĭPĕPS CĭP»C-Pr P· PsP±PμCĭPμPĕPSC-CĭC,Cĭ
 P·P°CĭC,PsCĭCĭPICĭPIP°C,Pĕ PĭP°CĭC-C”PSC,P°Pj P· C,CĭPĕPePsCĭ PjC-P°CĭC,PμPSC-C”Cĭ
 (*myasthenia gravis*), PsCĭPeC-P»CĭPePĕ C—C— CĭPĕPjPĭC,PsPjPĕ PjPsPĕCĭC,Cĭ
 PĭPsCĭPĕP»CĭPIP°C,PĕCĭCĭ.

P—P°PĭP°P»PμPSPSCĭ CĭCĭC...PsPĕPĕP»PeP° C,P° CĭPsP·CĭPĕPI CĭCĭC...PsPĕP»PeC-PI

PμC-Pr C±P°Cĭ C,PμCĭP°PiC-C— C...C-PSPsP»PsPSP°PjPĕ C,P° C,,C,PsCĭC...C-PSPsP»PsPSP°PjPĕ

PjPsP¶CfC,CH CfPpScfC,PµCfC-PiP°C,PëCfC¶P P·P°PpP»PµPSPSC¶ C,P° CfPsP·CfPëPIPë CfCfC...PsP¶PëP»PeC-PI (PsCfPsP±P»PëPIPs, P°P»Pµ PSPµ PsP±PjPµP¶CfCfC±PëCfCH, P°C...C-P»P»PsPIPsPiPs CfCfC...PsP¶PëP»PeP°), C-PSPsPrC- бґ” PrPIPsCfC,PsCfPsPSPSC-, C%Ps CfPsP·PIPëPIP°CfC,CHCfC¶PSP°PIC-C,CH PïCfPsC,¶PIPsPj 48 PiPsPrPëPS PiC-CfP»¶¶ PiPsC±P°C,PeCf P»C-PeCfPIP°PSPSC¶ C- PjPsP¶CfC,CH C,CfPëPIP°C,Pë PSP°PIC-C,CH PIPiCfPsPrPsPIP¶ PrPµPeC-P»CHPePsC... PjC-CfC¶CfC-PI PiC-CfP»¶¶ PiCfPëPIPëPSPµPSPSC¶ P»C-PeCfPIP°PSPSC¶ (PrPëPI. CfPsP·PrC-P»Pë B«PµCfPsC,PëPpPsPeP°P·P°PSPSC¶B» C,P° B«PµPsP±C-C±PSC- CfPµP°PeCfC-C-B»). P PëP·PëPe C,PµPSPPrPëPSC-C,Cf C,P° CfPsP·CfPëPICf CfCfC...PsP¶PëP»PeC-PI PiC-PrPIPëC%CrC”C,CHCfC¶ Cf PpP°CfC-C”PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCf, PpP°CfC-C”PSC,C-PI C-P· PSPëCfPePsPIPsCf PSPµPrPsCfC,P°C,PSC-CfC,CH, PpP°CfC-C”PSC,C-PI P· C,CfP°PSCfPiP»P°PSC,P°C,P°PjPë CfPsP»C-PrPSPëC... PsCfPiP°PSC-PI C,P° Cf C...PIPsCfPëC..., ¶PIPeC- PsC,CfPëPjCfCfC,CH CfCfPïCfC,PSC” P»C-PeCfPIP°PSPSC¶ PePsCfC,PëPePsCfC,PµCfPsC-PrP°PjPë. PÿPsPjCf CfP»C-Pr CfPSPëPeP°C,Pë PsPrPSPsC±P°CfPSPsPiPs P·P°CfC,PsCfCfPIP°PSPSC¶ C-P· PePsCfC,PëPePsCfC,PµCfPsC-PrP°PjPë.

PµCfPë PpPsC¶PIC- PpPµCfC€PëC... CfPëPjPiC,PsPjC-PI C,PµPSPPrPëPSC-C,Cf (PSP°PïCfPëPeP»P°Pr P±PsP»C-CfPSPsPiPs PSP°P±CfC¶PeP°PSPSC¶ P°P±Ps P·P°PpP»PµPSPSC¶) P·P°CfC,PsCfCfPIP°PSPSC¶ PjPsPeCfPëC,,P»PsPeCfP°CfPëPSCf CfP»C-Pr PïCfPëPIPëPSPëC,Pë C,P° CfPsP·PiP»¶PIPSCfC,Pë P°P»CHC,PµCfPSP°C,PëPIPSCf C,PµCfP°PiC-Cf. P”P»¶¶ CfC€PePsPrP¶PµPSPsC-(PëC...) PeC-PSCfC-PIPePë(PsPe) CfP»C-Pr CfPsP·PpPsC±P°C,Pë PIC-PrPpPIC-PrPSPµ P»C-PeCfPIP°PSPSC¶ (PSP°PïCfPëPeP»P°Pr, C-PjPjPsP±C-P»C-P·P°CfC-¶¶). PµCfPë CfPsP·PIPëC,PeCf CfPëPjPiC,PsPjC-PI C,PµPSPPrPëPSPsPiP°C,C-C— PSPµ CfP»C-Pr P·P°CfC,PsCfPsPICfPIP°C,Pë PePsCfC,PëPePsCfC,PµCfPsC-PrPë.

PµPSPµPICfPëP·PjP° P°PsCfC,Pë C,P° CfPsP·C€P°CfCfPIP°PSPSC¶ CfC,C-PSPëPë P°PsCfC,Pë, CfPµPiCfCfPiC-C,P°CfC-¶¶/PSPµPrPsCfC,P°C,PSC-CfC,CH PeP»P°PpP°PSC-PI CfPµCfCfC¶¶

P·PiC-PrPµPjC-PsP»PsPiC-C±PSC- PrPsCfP»C-PrP¶PµPSPSC¶ CfPIC-PrC±P°C,CH PïCfPs PiC-PrPIPëC%PµPSPëPµ CfPëP·PëPe P°PSPµPICfPëP·PjPë P°PsCfC,Pë C,P° CfPsP·C€P°CfCfPIP°PSPSC¶ CfC,C-PSPëPë P°PsCfC,Pë, PsCfPsP±P»PëPIPs Cf PpP°CfC-C”PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCf, C,P° CfPsP·PIPëC,PeCf CfPµPiCfCfPiC-C,P°CfC-C— PSP° P°PsCfC,P°P»CHPSPsPjCf C- PjC-C,CfP°P»CHPSPsPjCf PeP»P°PpP°PSP°C... PiC-CfP»¶¶ P·P°CfC,PsCfCfPIP°PSPSC¶ C,,C,PsCfC...C-PSPsP»PsPSC-PI. PµPsPIC-PrPsPjP»¶¶»PsCfC¶ PïCfPs CfC-PrPeC-CfPSC- PIPëPpP°PrPePë P°PSPµPICfPëP·PjPë P°PsCfC,Pë C,P° CfPsP·C€P°CfCfPIP°PSPSC¶ CfC,C-PSPëPë P°PsCfC,Pë, C-PSPsPrC- CfCfPeP»P°PrPSPµPSC- CfPsP·CfPëPIPsPj (Cf C,PsPjCf C±PëCfP»C- P»PµC,P°P»CHPSPëPj), P° C,P°PePsP¶ CfPµPiCfCfPiC-C,P°CfC-C-/PSPµPrPsCfC,P°C,PSPsCfC,C- P±CfPrCH-¶PIPePsPiPs P· PeP»P°PpP°PSC-PI CfPµCfCfC¶ Cf PpP°CfC-C”PSC,C-PI, ¶PIPeC- P·P°CfC,PsCfPsPICfPIP°P»Pë C,,C,PsCfC...C-PSPsP»PsPSPë (PrPëPI. CfPsP·PrC-P» B«PµPsP±C-C±PSC- CfPµP°PeCfC-C-B»). PÿPsPjCf C,,C,PsCfC...C-PSPsP»PsPSPë CfP»C-Pr P·P°CfC,PsCfPsPICfPIP°C,Pë P»PëC€Pµ PiC-CfP»¶¶ CfPµC,PµP»CHPSPsC— PsCfC-PSPëPë CfPiC-PIPIC-PrPSPsC€PµPSPSC¶ PePsCfPëCfC,CH/CfPëP·PëPe C,P° CfPsP·PiP»¶PIPrCf C-PSC€PëC... C,PµCfP°PpPIC,PëC±PSPëC... PjPsP¶P»PëPIPsCfC,PµPµ PrP»¶¶ PpP°CfC-C”PSC,C-PI P· P°PSPµPICfPëP·PjPsCf P°P±Ps PICfPsPrP¶PµPSPsCf PIP°PrPsCf CfPµCfCfPµPIPsPiPs PeP»P°PpP°PSP° PI P°PSP°PjPSPµP·C- C±Pë PrP»¶¶ PpP°CfC-C”PSC,C-PI C-P· PrC-P°PiPSPsCfC,PsPIP°PSPsCf P°PSPµPICfPëP·PjPsCf P°PsCfC,Pë C,P°/P°P±Ps CfPsP·C€P°CfCfPIP°PSPSC¶Pj CfC,C-PSPëPë P°PsCfC,Pë C±Pë P·P°C...PIPsCfCfPIP°PSPSC¶Pj CfPµCfCfPµPIPëC... PeP»P°PpP°PSC-PI, P° C,P°PePsP¶ P·P° PSP°C¶IPSPsCfC,C- C-PSC€PëC...

C,,P°PeC,PsCḡC-PI CḡPēP·PēPeCṛ P°P±Ps CṛC,P°PSC-PI, C°%Ps CṛPīCḡPēCḡCḡC,CH CḡPsP·PIPēC,PeCṛ C- P°PSPμPICḡPēP·PjPē P°PsCḡC,Pē C,P° CḡPsP·CēP°CḡCṛPIP°PSPSCḡ CṛC,C-PSPePē P°PsCḡC,Pē, C- CḡPμPiCṛCḡPiC-C,P°CṛC-C-/PSPμPrPsCṛC,P°C,PSPsCṛC,C- PeP»P°PīP°PSC-PI CṛPμCḡCṛCḡ (PSP°PīCḡPēPeP»P°Pr, PīPsCḡCṛCēPμPSPSCḡ CṛPīPsP»CṛCṛPSPsC- C,PeP°PSPēPSPē, C,P°PeC- CḡPe CṛPēPSPṛCḡPsPj PḡP°CḡC,,P°PSP° P°P±Ps PIP°CṛPeCṛP»CḡCḡPSPēPNē CṛPēPSPṛCḡPsPj P·C...P»PμCḡCṛP° Bḡ“ P”P°PSP»PsCṛP°, CṛPēPSPṛCḡPsPj PḡPμCḡPSPμCḡP°, C...PIPpsCḡPsP±P° P’PμC...CṛPμC,P°, P°CḡC,PμCḡC-P°P»CHḡPSP° PiC-PīPμCḡC,PμPSP·C-Cḡ, CḡPμPIPjP°C,PsC-PrPSPēPNē P°CḡC,CḡPēC,) P°P±Ps C,P°PePsPḡ P°PSPμPICḡPēP·PjPē P°PsCḡC,Pē C,P° C-C- CḡPsP·CēP°CḡCṛPIP°PSPSCḡ (PSP°PīCḡPēPeP»P°Pr, CṛCṛPrPēPSPSC- CḡPsP·P»P°PrPē, C,P°PeC- CḡPe P°CḡC,PμCḡC-C-C, PḡP°PeP°CḡCṛCṛ P°P±Ps PiC-PiP°PSC,PsPeP»C-C,PēPSPSPēPNē P°CḡC,PμCḡC-C-C,, P°P±Ps PIC-PrPsPjPēPNē P°C,PμCḡPsCṛPeP»PμCḡPsP·, P°P±Ps CṛPēPSPṛCḡPsPj PēPμPiCḡPμPSP°), P°P±Ps C,P°PePsPḡ CḡPμPiCṛCḡPiC-C,P°CṛC-C-/PSPμPrPsCṛC,P°C,PSPsCṛC,C- PeP»P°PīP°PSC-PI CṛPμCḡCṛCḡ (PSP°PīCḡPēPeP»P°Pr, C-PSC,,PμPeCṛC-PNēPSPēPNē PμPSPṛPsPeP°CḡPrPēC,).

P PēP·PēPe CḡPsP·PIPēC,PeCṛ P°PSPμPICḡPēP·PjPē C- CḡPsP·CēP°CḡCṛPIP°PSPSCḡ CṛC,C-PSPePē P°PsCḡC,Pē, P° C,P°PePsPḡ C-C... CḡPsP·CḡPēPICṛ PjPsPḡPμ P±CṛC,Pē PiC-PrPIPēC°%PμPSPēPNē Cṛ PīP°CṛC-C”PSC,C-PI, CḡPeC- PsC,CḡPēPjCṛCḡC,CH PsPrPSPsCṛP°CṛPSCṛ C,PμCḡP°PiC-Cḡ CṛPēCṛC,PμPjPSPēPjPē PePsCḡC,PēPePsCṛC,PμCḡPsC-PrP°PjPē.

PJ CḡP°P·C- PIPēPSPēPePSPμPSPSCḡ CḡP°PiC,PsPIPpsPiPs P°P±PrPsPjC-PSP°P»CHḡPSPsPiPs P±PsP»Cḡ, P±PsP»Cḡ Cṛ PiCḡCṛPrCḡC... P°P±Ps CṛPīPēPSC- PīP°CṛC-C”PSC,P°Pj CṛP»C-Pr PSPμPiP°PNēPSPs P·PIPμCḡPSCṛC,PēCṛCḡ PrPs P»C-PeP°CḡCḡ P·P° PSPμPIC-PrPeP»P°PrPSPsCḡ PrPsPīPsPjPsPiPsCḡ.

PμP°CṛC-C”PSC,P°Pj CṛP»C-Pr CḡPμPePsPjPμPSPṛCṛPIP°C,Pē PSPμPiP°PNēPSPs P·PIPμCḡPSCṛC,PēCṛCḡ P·P° PjPμPrPēCṛPSPsCḡ PrPsPīPsPjPsPiPsCḡ Cṛ CḡP°P·C- PīPsCḡPIPē PiPsCṛC,CḡPsC- P·P°PrPēCēPePē, PiCḡPēCṛPePsCḡPμPSPsPiPs CṛPμCḡCṛPμP±PēC,C,Cḡ P°P±Ps CḡPsP·PIPēC,PeCṛ PSP°P±CḡCḡPeCṛ PḡPēPIPpsC,P° CṛPē PSPēPḡPSC-C... PeC-PSCṛC-PIPpsPe.

PμP°CṛC-C”PSC,Pē P· PīPsCḡCṛCēPμPSPSCḡPj C,,CṛPSPeCṛC-C- PSPēCḡPsPe

PμP°CṛC-C”PSC,P°Pj P»C-C,PSCHḡPsPiPs PIC-PeCṛ, CḡPeC- PjP°CḡC,CH CḡPsP·P»P°PrPē P· P±PsPeCṛ PSPēCḡPsPe, CṛP»C-Pr P· PsP±PμCḡPμPḡPSC-CṛC,Cḡ PiCḡPēP·PSP°CṛP°C,Pē PjPsPeCṛPēC,,P»PsPeCṛP°CṛPēPS, CḡPeC°%Ps PIPpsPSPē PSPμ CṛPīCḡPsPjPsPḡPSC- PiC-PrC,CḡPēPjCṛPIP°C,Pē PSP°P»PμPḡPSPēPNē PsP±Bḡ™ C”Pj CḡC-PrPēPSPē PI PsCḡPiP°PSC-P·PjC-, PsCṛPeC-P»CHḡPePē P·PSPμPIPpsPrPSPμPSPSCḡ P·P±C-P»CHḡCēCṛC” CḡPēP·PēPe PIPēPSPēPePSPμPSPSCḡ PSPēCḡPePsPIPpsC- PSPμPrPsCṛC,P°C,PSPsCṛC,C-.

PμPsCḡCṛCēPμPSPSCḡ P· P±PsPeCṛ PsCḡPiP°PSC-PI P·PsCḡCṛ

PJ CḡP°P·C- PīPsPiC-CḡCēPμPSPSCḡ P·PsCḡCṛ P°P±Ps P±CṛPrCHḡ-CḡPePsPiPs PIPiP»PēPICṛ PSP° PsCḡPiP°PSPē P·PsCḡCṛ PSPμPsP±C...C-PrPSPs PSPμPiP°PNēPSPs P·PIPμCḡPSCṛC,PēCṛCḡ P·P° PePsPSCṛCṛP»CHḡC,P°CṛC-C”Cḡ PrPs P»C-PeP°CḡCḡ-PsC,,C,P°P»CHḡPjPsP»PsPiP° (PrPēPI. CḡPsP·PrC-P»Pē B«P-PrP°C,PSC-CṛC,CH PIPiP»PēPIP°C,Pē PSP° CēPIPēPrPeC-CṛC,CH CḡPμP°PeCṛC-C- PiCḡPē PePμCḡCṛPIP°PSPSC- P°PIC,PsC,CḡP°PSCṛPīPsCḡC,PsPj P°P±Ps CḡPsP±PsC,C- P· C-PSCēPēPjPē PjPμC...P°PSC-P·PjP°PjPēB», B«PμPsP±C-CṛPSC- CḡPμP°PeCṛC-C-B»).

P"PëCíPíP»C-PePµPjC-Cıı

PİPe C- PİCĤPë P·P°CíC,PsCíCíPíP°PSPSC- PICíC-C... C,,C,PsCĤC...C-PSPsP»PsPSC-PI, PİC-Pr C‡P°Cí P»C-PeCíPíP°PSPSCıı PjPsPeCíPëC,,P»PsPeCíP°C†PëPSPsPj PİPsPIC-PrPsPjP»CııP»PsCíCıı PİCĤPs PİPëPİP°PrPePë PIC-PrC...PëP»PµPSPSCıı PIC-Pr PSPsCĤPjPë PİPsPeP°P·PSPëPeC-PI PİP»CĤPePsP·Pë PeCĤPsPIC-, CııPe Cí PİPëPİP»CııPrC- PİC-PİPsPİP»C-PePµPjC-C—, C,P°Pe C- Cí C,,PsCĤPjC- PİC-PİPµCĤPİP»C-PePµPjC-C— (PrPëPI. CĤPsP·PrC-P» B«PµPsP±C-C‡PSC- CĤPµP°PeC†C-C—B»). P"PëCíPíP»C-PePµPjC-Cıı CĤPsP·PİPëPİP°P»P°CíCıı PİPµCĤPµPİP°P¶PSPs Cí PİP°C†C-C"PSC,C-PI P»C-C,PSCHPsPİPs PIC-PeCí, C...PİPsCĤPëC... PSP° PrC-P°P±PµC,, CııPeC- PsC,CĤPëPjCíPİP°P»Pë PsPrPSPsC‡P°CíPSPs P· P»C-PeCíPíP°PSPSCııPj PjPsPeCíPëC,,P»PsPeCíP°C†PëPSPsPj PİPµCĤPsCĤP°P»CHPSC- PİC-PİPsPİP»C-PePµPjC-C‡PSC- P·P°CíPsP±Pë (PSP°PİCĤPëPeP»P°Pr CíCíP»CHC,,PsPSC-P»CíPµC‡PsPİPëPSCí) P°P±Ps C-PSCíCíP»C-PS. PµPsPIC-PrPsPjP»CııP»PsCíCıı PİCĤPs PİPëPİP°PrPePë PİC-PİPsPİP»C-PePµPjC-C‡PSPsC— PePsPjPë. PİPİPsCĤPëPj PSP° C†CíPeCĤPsPİPëPµ PrC-P°P±PµC, CĤPµPePsPjPµPSPPrCíC"C,CHCíCıı CĤPµC,PµP»CHPSPs PePsPSC,CĤPsP»CĤPİP°C,Pë CĤC-PİPµPSCĤ PİP»CĤPePsP·Pë Pİ PeCĤPsPIC-.

PµCĤPsC,,C-P»P°PeC,PëPeP° CĤPµP°PeC†C-PNë C,,PsC,PsCíPµPSCíPëP±C-P»C-P·P°C†C-C—

PµC-Pr C‡P°Cí P·P°CíC,PsCíCíPíP°PSPSCıı C...C-PSPsP»PsPSC-PI Cí PİP°C†C-C"PSC,C-PI CĤPµC"CíC,CĤCíPİP°P»PëCíCıı CĤPµP°PeC†C-C— C,,PsC,PsCíPµPSCíPëP±C-P»C-P·P°C†C-C—. PhPrPSP°Pe, P·P° PrP°PSPëPjPë PrPsCíP»C-PrP¶PµPSCĤ, PİCĤPë P·P°CíC,PsCíCíPíP°PSPSC- PjPsPeCíPëC,,P»PsPeCíP°C†PëPSCí CĤPëP·PëPe C-PSPPrCíPeC†C-C— CĤPµP°PeC†C-PNë C,,PsC,PsCíPµPSCíPëP±C-P»C-P·P°C†C-C— P±CíPI PSPëP·CHPePëPj. PJ PICíCııPePsPjCí CĤP°P·C- PİP°C†C-C"PSC,P°Pj PSPµPsP±C...C-PrPSPs CíPSPëPeP°C,Pë PİPİP»PëPICí C,CĤPëPİP°P»PsPİPs C,P°/P°P±Ps C-PSC,PµPSCíPëPİPSPsPİPs CíPsPSCııC‡PSPsPİPs PİPëPİCĤPsPjC-PSCĤPİP°PSPSCıı C‡Pë CíP»CHC,CĤP°C,,C-PsP»PµC,PsPİPsPİPs PsPİCĤPsPjC-PSCĤPİP°PSPSCıı PİCĤPsC,CııPİPsPj P»C-PeCíPíP°PSPSCıı PjPsPeCíPëC,,P»PsPeCíP°C†PëPSPsPj (PrPëPI. CĤPsP·PrC-P» B«PµPsP±C-C‡PSC- CĤPµP°PeC†C-C—B»).

PµP°C†C-C"PSC,Pë P· PrPµC,,C-C†PëC,PsPj PİP»CĤPePsP·Ps-6-C,,PsCíC,,P°C,- PrPµPİC-PrCĤPsPİPµPSP°P·Pë

PµP°C†C-C"PSC,Pë P· PSPµPrPsCíC,P°C,PSC-CíC,CĤ P°PeC,PëPİPSPsCíC,C- PİP»CĤPePsP·Ps-6-C,,PsCíC,,P°C,-PrPµPİC-PrCĤPsPİPµPSP°P·Pë, P° C,P°PePsP¶ PİP°C†C-C"PSC,Pë, Cí CııPePëC... C†Cıı PİP°C,PsP»PsPİC-Cıı C" Pİ CĤPsPrPëPSPSPsPjCí P°PSP°PjPSPµP·C-, CíC...PëP»CHPSC- PrPs CĤPsP·PİPëC,PeCí PİPµPjPsP»C-C,PëC‡PSPëC... CĤPµP°PeC†C-PNë PİC-Pr C‡P°Cí P»C-PeCíPíP°PSPSCıı C...C-PSPsP»PsPSP°PjPë. PÿP°PePëPj C‡PëPSPsPj, PjPsPeCíPëC,,P»PsPeCíP°C†PëPS CíP»C-Pr P·P°CíC,PsCíCíPİCíPİP°C,Pë P· PsP±PµCĤPµP¶PSC-CíC,CĤ C†C-PNë PeP°C,PµPİPsCĤC-C— PİP°C†C-C"PSC,C-PI.

P—P°PİP°P»PµPSPSCıı C,PeP°PSPëPS Pİ PİPµCĤC-P°CĤC,PµCĤC-P°P»CHPSC-PNë P·PsPSC-

PµPsPeCíPëC,,P»PsPeCíP°C†PëPS, CĤPsP·C‡PëPS PrP»Cıı C-PSC,,CíP·C-PNë, PİCĤPëP·PSP°C‡PµPSPëPNë PİPëPeP»CĤC‡PSPs PrP»Cıı PİPSCíC,CĤC-C€PSCĤPsPİPµPSPSPsPİPs P·P°CíC,PsCíCíPíP°PSPSCıı. PÿP»C-Pr CíPSPëPeP°C,Pë C-PSC,CĤP°P°CĤC,PµCĤC-P°P»CHPSPsPİPs PİPİPµPrPµPSPSCıı, PsCíPeC-P»CHPePë Pİ PrPsPeP»C-PSC-C‡PSPëC... PrPsCíP»C-PrP¶PµPSPSCııC... PİCĤPë C,P°PePsPjCí CíPİPsCíPsP±C- PİPİPµPrPµPSPSCıı CíPİPsCíC,PµCĤC-PİP°P»PsCíCıı P·P°PİP°P»PµPSPSCıı C,PeP°PSPëPS Pİ PİPµCĤC-P°CĤC,PµCĤC-P°P»CHPSC-PNë P·PsPSC-.

Р_μР°С†С-С"РSC,Рө Р·С- С†РіРіР_μС†РөС,,С-С‡PSPөРјРө С†С†РөР»Р°РrPSP_μPSPөРјРө
С-PSC,,Р_μРөС†С-С†РјРө СөРөС-С†Рө С,Р° РіС-РrСөРөС-С†PSPsС— РөР»С-С,РөPsPIPөPSPө

Р_μР»С-PSC-С‡PSP° Р_μС,,Р_μРөС,РөPIPSC-С†С,С_н Р·Р°С†С,РсС†С†РіРіР°PSPSC†
РјРsРөС†РөС,,Р»РsРөС†Р°С†РөPSC† РіС†Рө Р»С-РөС†РіРіР°PSPSC- С,С†Р¶РөРөС...
С-PSC,,Р_μРөС†С-Р_н, РіРsРіР_н™ С†Р·Р°Р°PSPөС... Р· РsРіС-РөР°РјРө, С,,Р°С†С†РөС,С† С,Р°
С-PSC,,С-РөPsPIP°PSPsС— РrС-Р°Р±Р_μС,РөС‡PSPsС— С†С,РsРіРө, С%Ps
С†С†РіРіРіРsPIPsРrР¶С†С"С,С_нС†С† РсС†С,Р_μРsРјС-С"Р»С-С,РsРј, PSP_μ
РіС†С,Р°PSPsPIP»Р_μPSP°.

Р'РіР»РөРі РSP° Р±С-РsР»РsРіС-С‡PSC- С,Р_μС†С,Рө

Р_нРsРөС†РөС,,Р»РsРөС†Р°С†РөPSP РјРsР¶Р_μ РіРіР»РөРіР°С,Рө PSP° С†Р_μР·С†Р»С_нС,Р°С,Рө
Р°PSP°Р»С-Р·С† РSP° PSP°С†РіРіРSC-С†С,С_н *Mycobacterium spp.* СөР»С†С...РsРј
РіС†РөРіРSC-С‡Р_μPSPSC† РјС-РөРsР±Р°РөС,Р_μС†С-Р°Р»С_нPSPsРіРs С†РsС†С,С†, С%Ps, С†
С†РіРіРsС† С‡Р_μС†Рі, РјРsР¶Р_μ РіС†РөР·РіРіС†С,Рө РrРs С...РөР±PSPsPSP_μРіР°С,РөPIPSPөС...
С†Р_μР·С†Р»С_нС,Р°С,С-Рі С† С...РіРsС†РөС..., С†РөС- РіС†РөР_нРјР°С†С,С_н
РјРsРөС†РөС,,Р»РsРөС†Р°С†РөPSP.

Р_μР°С†С-С"РSC,Рө Р· С-PSC,,Р_μРөС†С-С†РјРө, РіРөРөР»РөР°PSPөРјРө
РјР_μС,РөС†РөР»С-PSPsС†Р_μР·РөС†С,Р_μPSC,PSPөРј Р·РsР»РsС,РөС†С,РөРј
С†С,Р°С,,С-Р»РsРөPsРөРsРј (MRSA)

Р_нРsРөС†РөС,,Р»РsРөС†Р°С†РөPSP Р_μ С†Р_μРөРsРјР_μPSPrС†С"С,С_нС†С† РrР»С†
Р»С-РөС†РіРіР°PSPSC† С-PSC,,Р_μРөС†С-Р_н, С†РіС†РөС‡РөС‡РөPSP_μPSPөС... РјР_μС,РөС†РөР»С-Ps-
С†Р_μР·РөС†С,Р_μPSC,PSPөРј *Staphylococcus aureus* (MRSA). Р_μС†Рө РSP°С†РіРіРsС†С,С-
РіС-РrРsР·С†Рө Р°Р±Рs РіС-РrС,РіР_μС†РrР¶Р_μPSPSC† С%PsРrРs С-PSC,,Р_μРөС†С-С—,
РіРөРөР»РөР»РөР°PSPsС— MRSA, PSP_μРsР±С...С-РrPSPs С†РsР·РіРsС‡Р°С,Рө
Р»С-РөС†РіРіР°PSPSC† РіС-РrРіРsРіС-РrPSPөРј Р°PSC,РөР±Р°РөС,Р_μС†С-Р°Р»С_нPSPөРј
РіС†Р_μРіР°С†РөР°С,РsРј (РrРөРі. С†РsР·РrС-Р» В«Р»Р°С†РјРјР°РөРsРrРөPSP°РјС-РөР°В»).

Р†PSC,,РsС†РјР°С†С-С† РіС†Рs РrРsРіРsРјС-Р¶PSC- С†Р_μС‡РsРіРөPSPө

РіР_μР_н Р»С-РөР°С†С_нРөРөР_н Р·Р°С†С-Р± РјС-С†С,РөС,С_н 787 РјРі (РіС†РөР±Р±Р»РөР·PSPs
34 РјРөРјРsР»С_н) PSP°С,С†С-С† Рі РsРrPSPsРјС† С,,Р»Р°РөРsPSC-, С%Ps РјС-С†С,РөС,С_н 250
РјР» С†РsР·С‡РөPSC† РrР»С† С-PSC,,С†Р·С-Р_н, С%Ps Р_μРөРіС-РіР°Р»Р_μPSC,PSPs 39,35 %
РјР°РөС†РөРјР°Р»С_нPSPsС— РrРsР±РsРіРsС— РrРsР·Рө РSP°С,С†С-С† (2 Рі) Р·РіС-РrPSPs Р·
С†Р_μРөРsРјР_μPSPrР°С†С-С†РјРө Р'Р_нР_н— РrР»С† РrРsС†РsС†Р»РsС— Р»С†РrРөPSPө.

Р—Р°С†С,РсС†С†РіРіР°PSPSC† Сө РіР_μС†С-РsРr РіР°С-С,PSPsС†С,С- Р°Р±Рs
РіРsРrС†РіР°PSPSC† РіС†С†РrС†.

Р'Р°РіС-С,PSC-С†С,С_н

Р'Р_μР·РіР_μРөР° Р·Р°С†С,РсС†С†РіРіР°PSPSC† РјРsРөС†РөС,,Р»РsРөС†Р°С†РөPSC† С†
РіР_μС†С-РsРr РіР°С-С,PSPsС†С,С- С† Р»С†РrРөPSPө PSP_μ РіРөРіС‡Р_μPSP°.
Р Р_μР·С†Р»С_нС,Р°С,Рө РrРsС†Р»С-РrР¶Р_μPSC_н PSP° С,РіР°С†РөPSP°С... РіРөР°Р·С†С_нС,С_н
PSP° С†Р_μРіС†РsРrС†РөС,РөPIPSC† С,РsРөС†РөС‡PSC-С†С,С_н (РrРөРі. С†РsР·РrС-Р»
В«Р»Р°С†РјРјР°РөРsР»РsРіС-С‡PSC- РіР»Р°С†С,РөРіРsС†С,С-В»). Р_μРsС,Р_μPSC†С-Р_нPSPөР_н
С†РөР·РөРө РrР»С† Р»С†РrРөPSPө PSP_μ РіС†С,Р°PSPsРіР»Р_μPSPөР_н. Р— РsРіР»С†РrС† РSP°
Р_μРөС†РіРіРіРөРјР_μPSC,Р°Р»С_нPSPs РіС†С,Р°PSPsРіР»Р_μPSPөР_н С†РөР·РөРө

C€PeC-PrP»PëPIPsPiPs PIPiP»PëPICr C,,C,PsCȚC...C-PSPsP»PsPSC-PI PSP° C...CȚCȚC%oC-,
CȚPeC- PSPμCȚCȚC,CH PsCȚPSPsPIPsPμ PSP°PIP°PSC,P°PȚPμPSPSCȚ, Cr
CȚC,P°C,PμPIPsPSPμP·CȚC-P»PëC... C,PIP°CȚPëPS C,P° PICȚP°C...PsPICrCȚCȚPë
CȚPsP·PIPëC,PsPe PsP±PsCȚPsC,PSPëC... CrCȚP°PȚPμPSCȚ CȚCȚPiP»PsP±C-PI Cr PrC-C,PμPN,
CȚPeC- PsC,CȚPëPjCrPIP°P»Pë P»C-PeCrPIP°PSPSCȚ PrPμCȚPePëPjPë
C,,C,PsCȚC...C-PSPsP»PsPSP°PjPë, PjPsPeCȚPëC,,P»PsPeCȚP°CȚPëPS PSPμ CȚP»C-Pr
PiCȚPëP·PSP°CȚP°C,Pë PIP°PiC-C,PSPëPj PȚC-PSPeP°Pj (PrPëPI. CȚPsP·PrC-P»
B«PȚCȚPsC,PëPiPsPeP°P·P°PSPSCȚB»).

P“PsPrCrPIP°PSPSCȚ PiCȚCrPrPrCȚ

PkPμPjP°C” PrP°PSPëC... C%oPsPrPs P·P°CȚC,PsCȚCȚPIP°PSPSCȚ PiCȚPμPiP°CȚP°C,Cr Cr
PiPμCȚC-PsPr PiPsPrCrPIP°PSPSCȚ PiCȚCrPrPrCȚ Cr PȚC-PSPsPe. P PμP·CrP»CHC,P°C,Pë
PrPsPeP»C-PSC-CȚPSPëC... PrPsCȚP»C-PrPȚPμPSCȚ CȚPIC-PrCȚP°C,CH, C%oPs
PSPμPIPμP»PëPeP° PeC-P»CHPeC-CȚC,CH PjPsPeCȚPëC,,P»PsPeCȚP°CȚPëPSCr
PiCȚPsPSPëPeP°C” Cr PiCȚCrPrPSPμ PjPsP»PsPePs. Pj P·PiBȚ™ CȚP·PeCr C-P·
PIC-PrCȚCȚC,PSC-CȚC,CH PrP°PSPëC... C%oPsPrPs PIPiP»PëPICr PSP° PSPμPjPsPIP»CȚC,,
CȚPePëC... PiPsPrCrCȚC,CH PiCȚCrPrPrCȚ, C,P° PICȚP°C...PsPICrCȚCȚPë
PμPeCȚPiPμCȚPëPjPμPSC,P°P»CHPSPëPN CȚPëP·PëPe C€PeC-PrP»PëPIPsPiPs PIPiP»PëPICr
C,,C,PsCȚC...C-PSPsP»PsPSCr PSP° C...CȚCȚC%oC- CȚC,P°C,PμPIPsPSPμP·CȚC-P»PëC...
C,PIP°CȚPëPS, C%oPs PSPμCȚCȚC,CH PsCȚPSPsPIPsPμ PSP°PIP°PSC,P°PȚPμPSPSCȚ,
PiPsPrCrPIP°PSPSCȚ PiCȚCrPrPrCȚ PiCȚPsC,PëPiPsPeP°P·P°PSPμ PiC-Pr CȚP°CȚ
P»C-PeCrPIP°PSPSCȚ PjPsPeCȚPëC,,P»PsPeCȚP°CȚPëPSPsPj (PrPëPI. CȚPsP·PrC-P»
B«PȚCȚPsC,PëPiPsPeP°P·P°PSPSCȚB»).

PαPμCȚC,PëP»CHPSC-CȚC,CH

P”PsCȚP»C-PrPȚPμPSPSCȚ PSP° C,PIP°CȚPëPSP°C... PSPμ PIPëCȚPIPëP»Pë PIPiP»PëPICr PSP°
C,,PμCȚC,PëP»CHPSC-CȚC,CH (PrPëPI. CȚPsP·PrC-P» B«PαP°CȚPjP°PePsP»PsPiC-CȚPSC-
PIP»P°CȚC,PëPIPsCȚC,C-B»).

*P—PrP°C,PSC-CȚC,CH PIPiP»PëPIP°C,Pë PSP° C€PIPëPrPeC-CȚC,CH CȚPμP°PeCȚC-C— PiCȚPë
PePμCȚCȚPIP°PSPSC- P°PIC,PsC,CȚP°PSCȚPiPsCȚC,PsPj P°P±Ps C-PSC€PëPjPë
PjPμC...P°PSC-P·PjP°PjPë.*

P”PsCȚP»C-PrPȚPμPSPSCȚ PIPiP»PëPICr PjPsPeCȚPëC,,P»PsPeCȚP°CȚPëPSCr PSP°
P·PrP°C,PSC-CȚC,CH PePμCȚCȚPIP°C,Pë P°PIC,PsC,CȚP°PSCȚPiPsCȚC,PsPj C,P°
PiCȚP°CȚCȚPIP°C,Pë P· PjPμC...P°PSC-P·PjP°PjPë PSPμ PiCȚPsPIPsPrPëP»PëCȚCȚ. PȚCȚPsC,Pμ
C,,C,PsCȚC...C-PSPsP»PsPSPë, PIPeP»CȚCȚP°CȚCȚPë PjPsPeCȚPëC,,P»PsPeCȚP°CȚPëPS,
PjPsPȚCȚC,CH PIPiP»PëPIP°C,Pë PSP° C€PIPëPrPeC-CȚC,CH CȚPμP°PeCȚC-C— PiCȚPë
PePμCȚCȚPIP°PSPSC- P°PIC,PsC,CȚP°PSCȚPiPsCȚC,PsPj P°P±Ps CȚPsP±PsC,C- P· C-PSC€PëPjPë
PjPμC...P°PSC-P·PjP°PjPë, CȚPiCȚPëCȚPëPSCȚCȚPë CȚPμP°PeCȚC-C— P· P±PsPeCr
CȚPμPSC,CȚP°P»CHPSPsC— PSPμCȚPIPsPIPsC— CȚPëCȚC,PμPjPë (PSP°PiCȚPëPeP»P°Pr
P·P°PiP°PjPsCȚPsCȚPμPSPSCȚ, PiPsCȚC,CȚCr C,PëPjCȚP°CȚPsPICr PIC,CȚP°C,Cr P·PsCȚCȚ)
P°P±Ps PiPsCȚC,CȚCr C,P° PePsCȚPsC,PePsC,CȚPëPIP°P»Cr PIC,CȚP°C,Cr
CȚPIC-PrPsPjPsCȚC,C- (PSPμPiCȚPëC,PsPjPSC-CȚC,CH) (PrPëPI. CȚPsP·PrC-P»
B«PȚPsP±C-CȚPSC- CȚPμP°PeCȚC-C—B»). PȚP°CȚC-C”PSC,P°Pj
CȚPμPePsPjPμPSPrCrC”C,CHCȚCȚ PiPμCȚPμPIC-CȚPëC,Pë CȚPIPsCȚ CȚPμP°PeCȚC-CȚ PSP°
PjPsPeCȚPëC,,P»PsPeCȚP°CȚPëPS PiPμCȚPμPr C,PëPj, CȚPe PePμCȚCȚPIP°C,Pë
P°PIC,PsC,CȚP°PSCȚPiPsCȚC,PsPj P°P±Ps PiCȚP°CȚCȚPIP°C,Pë P· C-PSC€PëPjPë

PjPμC...P°PSC-P·PjP°PjPë.

PŸPìPsCÍC-P± P·P°CÍC,PsCÍCáPIP°PSPSCII C,P° PrPsP·Pë.

P°PsP·CíPIP°PSPSCII

P PμPePsPjPμPSPPrPsPIP°PSPëPNë CĤPμP¶PëPj PrPsP·CíPIP°PSPSCII 400 PjPi
PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCr Cí PIPëPiP»CIIPrC- C-PSC,,CíP·C-C— 1 CĤP°P· PSP°
PrPsP±Cí.

PμPsC±P°C,PePsPIP° PIPSCrC,CĤC-CëPSCĤPsPIPμPSPSP° C,PμCĤP°PíC-CII PjPsP¶Pμ P±CíC,Pë
PíCĤPsPrPsPIP¶PμPSP° CëP»CII C...PsPj PíPμCĤPsCĤP°P»CĤPSPsPiPs
P·P°CÍC,PsCÍCíPIP°PSPSCII C,P°P±P»PμC,PsPe PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCr 400 PjPi P·P°
CíPjPsPIPë PSP°CIIPIPSsCÍC,C- PeP»C-PSC-C±PSPëC... PíPsPeP°P·P°PSCĤ.

PJ C...PsPrC- PeP»C-PSC-C±PSPëC... PrPsCÍP»C-PrP¶PμPSCĤ P±C-P»CĤCëC-CÍC,CĤ
PíP°C†C-C°PSC,C-PI PíPμCĤPμC...PsPrPëP»P° PSP° PíPμCĤPsCĤP°P»CĤPSPëPNë CëP»CII C...
P·P°CÍC,PsCÍCíPIP°PSPSCII PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCr PíCĤPsC,CIIPIsPj 4 PrPSC-PI
(PSPμPíPsCÍPíC-C,P°P»CĤPSP° PíPSPμPIPjPsPSC-CII) P°P±Ps 6 PrPSC-PI
(CíCÍPeP»P°PrPSPμPSC- C-PSC,,PμPeC†C-PNëPSC- P·P°C...PIPsCĤCĤPIP°PSPSCII CëPeC-CĤPë
C,P° PíC-PrCëPeC-CĤPSPëC... C,PeP°PSPëPS). P PμPePsPjPμPSPPrPsPIP°PSP° P·P°PíP°P»CĤPSP°
C,CĤPëPIP°P»C-CÍC,CĤ PIPSCrC,CĤC-CëPSCĤPsPIPμPSPSPsPiPs C,P°
PíPμCĤPsCĤP°P»CĤPSPsPiPs P»C-PeCíPIP°PSPSCII CÍC,P°PSPsPIPëC,CĤ 7БĤ“14 PrPSC-PI
PrP»CII PSPμPíPsCÍPíC-C,P°P»CĤPSPëC... PíPSPμPIPjPsPSC-PNë C,P° 7БĤ“21 PrPμPSCĤ PrP»CII
CíCÍPeP»P°PrPSPμPSPëC... C-PSC,,PμPeC†C-PNëPSPëC... P·P°C...PIPsCĤCĤPIP°PSCĤ
CëPeC-CĤPë C,P° PíC-PrCëPeC-CĤPSPëC... C,PeP°PSPëPS.

PŸPìPsCÍC-P± P·P°CÍC,PsCÍCíPIP°PSPSCII

PμCĤPμPíP°CĤP°C, PIIPIsPrPëC,Pë PIPSCrC,CĤC-CëPSCĤPsPIPμPSPSPs Cí PIPëPiP»CIIPrC-
**P±PμP·PíPμCĤPμCĤPIPSPsC— C-PSC,,CíP·C-C— C,CĤPëPIP°P»C-CÍC,CĤ PSPμ
PjPμPSCëPμ**
60 C...PI (C,P°PePsP¶ PrPëPI. CĤPsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C-
P·P°CÍC,PsCÍCíPIP°PSPSCII B»).

P—P° PSP°CIIPIPSsCÍC,C- PíPsPeP°P·P°PSCĤ, CĤPsP·C±PëPS PrP»CII C-PSC,,CíP·C-C—
PjPsP¶PSP° PIIPIsPrPëC,Pë C±PμCĤPμP· PŸ-PíPsPrC-P±PSPëPNë PeP°C,PμC,PμCĤ CĤP°P·PsPj C-P·
CÍCíPjC-CÍPSPëPjPë C-PSC,,CíP·C-PNëPSPëPjPë CĤPsP·C±PëPSP°PjPë (PrPëPI. CĤPsP·PrC-P»
B«PhCÍPsP±P»PëPIC- P·P°C...PsPrPë P±PμP·PíPμPePëB»).

PμPsCĤCáCëPμPSPSCII C,CáPSPeC†C-C— PSPëCĤPsPe/PíPμC±C-PSPePë

PμP°C†C-C°PSC,Pë, CIIPeC- PjP°CĤC,CĤ PíPsCĤCíCëPμPSPSCII C,,CíPSPeC†C-C— PSPëCĤPsPe
PIC-Pr P»PμPíPePsPiPs PrPs C,CII¶PëPsPiPs CÍC,CíPíPμPSCII, C,P° PíP°C†C-C°PSC,Pë, CIIPeC-
PíPμCĤPμP±CíPIP°CĤC,CĤ PSP° C...CĤPsPSC-C±PSPsPjCí PrC-P°P»C-P·C-,
PSP°PíCĤPëPeP»P°Pr C,C-, C...C,Ps PíCĤPsC...PsPrPëC,CĤ PíPμPjPsPrC-P°P»C-P·C,P°
PrPsPIPIsC,CĤPëPIP°P»PëPNë P°PjP±CíP»P°C,PsCĤPSPëPNë PíPμCĤPëC,PsPSPμP°P»CĤPSPëPNë
PrC-P°P»C-P·, PSPμ PíPsC,CĤPμP±CíCĤC,CĤ PePsCĤPμPeC†C-C— PrPsP·Pë (P±C-P»CĤCë
PrPsPeP»P°PrPSPs PrPëPI. Cí CĤPsP·PrC-P»C- B«PαP°CĤPjP°PePsP»PsPiC-C±PSC-
PIP»P°CÍC,PëPIPsCÍC,C-B»).

PkPµ CḡPµPePsPjPµPSPPrPsPIP°PSPs PiCḡPsPIPsPrPëC,Pë CÍPiPµC†C-P°P»CHbPSC-
 P·P°C...PsPrPë PiC-CÍP»Cḡ PIPëPiP°PrPePsPIPsPiPs PiPµCḡPµPrPsP·CÍPIP°PSPSCḡ. Pj
 CḡP°P·C- PiPµCḡPµPrPsP·CÍPIP°PSPSCḡ PiCḡPsPIPsPrCḡC,Cḡ
 CÍPëPjPiC,PsPjP°C,PëC‡PSPµ P»C-PeCÍPIP°PSPSCḡ. PḡCÍPeC-P»CHbPePë
 PjPsP¶P»PëPIPµ PiPsPrPsPIP¶PµPSPSCḡ C-PSC,PµCḡPIP°P»CÍ QT, PiPsC,CḡC-P±PµPS
 P·PḡP“-PjPsPSC-C,PsCḡPëPSPi. PḡPrPSPsC‡P°CÍPSPµ P·P°CÍC,PsCÍCÍPIP°PSPSCḡ
 P°PeC,PëPIPsPIP°PSPsPiPs PICÍPiC-P»P»Cḡ C-P· PrPsP·PsCḡ
 PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCÍ 400 PjPi, C°Ps P±CÍP»P° PIPIPµPrPµPSP°
 PiPµCḡPsCḡP°P»CHbPSPs P°P±Ps PIPSCÍC,CḡC-C€PSCḡPsPIPµPSPSPs, P·PjPµPSC€CÍC”
 CÍPëCÍC,PµPjPSCÍ P±C-PsPrPsCÍC,CÍPiPSC-CÍC,Cḡ P»C-PeP°CḡCÍCḡPePsPiPs
 P·P°CÍPsP±CÍ PSP° PiPsPSP°Pr 80 % P°P±Ps 20 % PIC-PrPiPsPIC-PrPSPs. PµCḡPëPNḡPsPj
 P°PeC,PëPIPsPIP°PSPsPiPs PICÍPiC-P»P»Cḡ PSP° PiPsC‡P°C,PePsPIC-PNḡ CÍC,P°PrC-C—
 P°P±CÍPsCḡP±C†C-C— PjPsP¶Pµ P±CÍC,Pë PµC,,PµPeC,PëPIPsPsCḡ
 PiCḡPsC,,C-P»P°PeC,PëPePsCḡ PSP°PrP»PëC€PePsPIPsPiPs P·P±C-P»CHbC€PµPSPSCḡ
 CÍPëCÍC,PµPjPSPsC— PµPeCÍPiPsP·PëC†C-C— PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPSCÍ CÍ
 CḡP°P·C- PiPµCḡPµPrPsP·CÍPIP°PSPSCḡ PiC-CÍP»Cḡ PiPµCḡPsCḡP°P»CHbPSPsPiPs
 PiCḡPëPNḡPsPjCÍ P»C-PeP°CḡCÍCḡPePsPiPs P·P°CÍPsP±CÍ.

PkP°PIpμPrPμPSC- PSpëP¶C‡Pμ PiPsP±C-C‡PSC- C¶PμP°PeC‡C-C—
 C†P̄PsC†C,PμC¶C-PiP°P»PëC†C¶ C† C...PsPrC- PeP»C-PSC-C‡PSPëC... PrPsC†P»C-PrP¶PμPSC¶
 C,P° C† PiC-C†P»C¶C¶PμC"†C,C¶P°C‡C-PNëPSPëPNë PiPμC¶C-PsPr
 P·P°C†C,PsC†C†PIP°PSPSC¶ PjPsPeC†PëC,,P»PsPeC†P°C‡PëPSC† PI PrPsP·C- 400 PjPi PSP°
 PrPsP±C† (P»PëC€Pμ PIPSC†C,C¶C-C€PSC¶PsPIPμPSPSP° C,PμC¶P°PiC-C¶,
 C†C,C†PiC-PSC‡P°C†C,P° [PIPSC†C,C¶C-C€PSC¶PsPIPμPSPSP°/ PiPμC¶PsC¶P°P»C¶PSP°] C,P°
 PiPμC¶PsC¶P°P»C¶PSP°). PμPsP±C-C‡PSC- C¶PμP°PeC‡C-C— PeP»P°C†PëC,,C-PePsPIP°PSPs
 P·P° C—C... C‡P°C†C,PsC,PsC¶.

P' PePsP¶PSC-PN₂ PiC₇CrPiC- PSp_μP±P°P¶P°PSC- ClPIPëC%P° PIPëP·PSP°C‡P_μPSC- Cr
PiPsC₇ClPIrPeCr P·PjP_μPSC€P_μPSPSC¶ C—C... C,ClIP¶PePsC₇C,C-. P\$P°C₇C,P_sC,P°
PIPëP·PSP°C‡P_μPSP° C,P°PePëPj C‡PëPSPsPj: C‡P°C₇C,C- (≥1/100, <1/10), PSp_μC‡P°C₇C,C-
(≥1/1000, <1/100), PiPsPsPrPëPSPsPeC- (≥1/10000, <1/1000), C₇C-PrPeC-C₇PSC- (<1/10000),
PSP_μPIC-PrPsPjPs (PSP_μ PjPsP¶PSP° PsC‡C-PSPëC,Pë PSP° PsC₇PSPsPIC- PrPsC₇C,C₇PiPSPëC...
PrP°PSPëC...).

[illegible]

C,P° PSCḤC...Cf), Cf PīP°C†C-C"°PSC,C-PI, CḶPeC- P·P°C†C,PsC†PsPIC†PIP°P»Pë
C...C-PSPsP»PsPSPë C,P° C,,C,PsCḤC...C-PSPsP»PsPSPë PSPµP·P°P»PµP¶PSPs PIC-Pr PIC-PeC†
C,P° C-C†PSC†CḤC†PëC... C,,P°PeC,PsCḤC-PI CḤPëP·PëPeC† (PrPëPI. CḤPsP·PrC-P»
B«PhC†PsP±P»PëPIPsC†C,C- P·P°C†C,PsC†C†PIP°PSPSCḶB»).

** PµPsPIC-PrPsPjP»CḶP»PsC†CḶ PīCḤPs CḤC-PrPeC-C†PSC- PIPëPīP°PrPePë
P°PSPµPICḤPëP·PjPë P°PsCḤC,Pë C,P° CḤPsP·C€P°CḤC†PIP°PSPSCḶ C†C,C-PSPePë P°PsCḤC,Pë,
C-PSPsPrC- C†C†PeP»P°PrPSPµPSC- CḤPsP·CḤPëPIPsPj (C† C,PsPjC† C†PëC†P»C-
P»PµC,P°P»CḤPSPëPj), P° C,P°PePsP¶
CḤPµPiC†CḤPiC-C,P°C†C-C-/PSPµPrPsC†C,P°C,PSPsC†C,C- P±C†PrCḤ-CḶPePsPiPs P·
PeP»P°PīP°PSC-PI C†PµCḤC†CḶ Cf PīP°C†C-C"°PSC,C-PI, CḶPeC- P·P°C†C,PsC†PsPIC†PIP°P»Pë
C,,C,PsCḤC...C-PSPsP»PsPSPë (PrPëPI. CḤPsP·PrC-P» B«PhC†PsP±P»PëPIPsC†C,C-
P·P°C†C,PsC†C†PIP°PSPSCḶB»).

PŞP°C†C,PsC,P° CḤPsP·PIPëC,PeC† PSPëP¶C†PµPSP°PIPµPrPµPSPëC... PµC,,PµPeC,C-PI C"
PIPëC%PsCḤ PīCḤPë PIPSC†C,CḤC-C€PSCḤPsPIPµPSPSPsPjC† C€P»CḶC...C†
PIPIPµPrPµPSPSCḶ PīCḤPµPīP°CḤP°C,C† P· PīPsPrP°P»CḤC€PsCḤ PīPµCḤPsCḤP°P»CḤPSPsCḤ
C,PµCḤP°PīC-C"Ḥ P°P±Ps P±PµP· C,P°PePsC—.

PŞP°C†C,Ps: PīC-PrPIPëC%PµPSPSCḶ CḤC-PIPSCḶ PīP°PjPjP°-
PīP»C†C,P°PjC-P»C,CḤP°PSC†C,,PµCḤP°P·Pë.

PḶPµC†P°C†C,Ps: C€P»C†PSPsC†PePsPIP° C,P°C...C-P°CḤPëC,PjC-CḶ, PīC-PīPsC,PµPSP·C-CḶ,
PSP°P±CḤCḶPe, P°C†PsC†C-PNëPsPIP°PSPëPNë C-P· P·P°C†C,PsC†C†PIP°PSPSCḶPj
P°PSC,PëP±C-PsC,PëPeP° PePsP»C-C, (PIPeP»CḤC†P°CḤC†Pë
PīC†PµPIPrPsPjPµPjP±CḤP°PSPsP·PSPëPNë PePsP»C-C,, C† CḤC-PrPeC-C†PSPëC...
PIPëPīP°PrPeP°C... P°C†PsC†C-PNëPsPIP°PSPëPNë C-P· P·P°PīCḤPsP·P»PëPIPëPjPë PrP»CḶ
P¶PëC,C,CḶ C†C†PeP»P°PrPSPµPSPSCḶPjPë, PrPëPI. CḤPsP·PrC-P» B«PhC†PsP±P»PëPIPsC†C,C-
P·P°C†C,PsC†C†PIP°PSPSCḶB»), C†C†PrPsPjPSC- PSP°PīP°PrPë (C† C,PsPjC† C†PëC†P»C- *grand*
mal PSP°PīP°PrPë) (PrPëPI. CḤPsP·PrC-P» B«PhC†PsP±P»PëPIPsC†C,C-
P·P°C†C,PsC†C†PIP°PSPSCḶB»), PīP°P»CḤC†PëPSP°C†C-C—, PīPsCḤC†C€PµPSPSCḶ
C,,C†PSPeC†C-C— PSPëCḤPsPe (PIPeP»CḤC†P°CḤC†Pë P·P±C-P»CḤC€PµPSPSCḶ CḤC-PIPSCḶ
P°P·PsC,C† C†PµC†PsPIPëPSPë PeCḤPsPIC- C,P° PeCḤPµP°C,PëPSC-PSC†), PSPëCḤPePsPIP°
PSPµPrPsC†C,P°C,PSC-C†C,CḤ (PrPëPI. CḤPsP·PrC-P» B«PhC†PsP±P»PëPIPsC†C,C-
P·P°C†C,PsC†C†PIP°PSPSCḶB»).

Pj CḤC-PrPeC-C†PSPëC... PIPëPīP°PrPeP°C... PīC-C†P»CḶ P»C-PeC†PIP°PSPSCḶ C-PSC€PëPjPë
C,,C,PsCḤC...C-PSPsP»PsPSP°PjPë PīPsPIC-PrPsPjP»CḶP»PsC†CḶ PīCḤPs PīPsP±C-C†PSC-
PµC,,PµPeC,Pë, CḶPeC- PIC-CḤPsPiC-PrPSPs PjPsP¶C†C,CḤ C,P°PePsP¶ PIPëPSPëPePSC†C,Pë
PīC-Pr C†P°C† P»C-PeC†PIP°PSPSCḶ PjPsPeC†PëC,,P»PsPeC†P°C†PëPSPsPj:
PīC-PrPIPëC%PµPSPSCḶ PIPSC†C,CḤC-C€PSCḤPsC†PµCḤPµPīPSPsPiPs C,PëC†PeC†
(PIPeP»CḤC†P°CḤC†Pë C-PrC-PsPīP°C,PëC†PSC† PIPSC†C,CḤC-C€PSCḤPsC†PµCḤPµPīPSC†
PīC-PīPµCḤC,PµPSP·C-CḤ), PīC-PīPµCḤPSP°C,CḤC-C"°PjC-CḶ,
PīC-PīPµCḤPeP°P»CḤC†C-C"°PjC-CḶ, PīPµPjPsP»C-C,PëC†PSP° P°PSPµPjC-CḶ.

PµPsPIC-PrPsPjP»PµPSPSCḶ PīCḤPs PīC-PrPsP·CḤCḤPIP°PSC- PīPsP±C-C†PSC-
CḤPµP°PeC†C-C—

PµPsPIC-PrPsPjP»PµPSPSCḶ PīCḤPs PīC-PrPsP·CḤCḤPIP°PSC- PīPsP±C-C†PSC-
CḤPµP°PeC†C-C— PīC-C†P»CḶ CḤPµC"†C,CḤP°C†C-C— PīCḤPµPīP°CḤP°C,C† C"

PIP°P¶P»PëPIPëPjPë. P'PsPSPë PrP°CĤC,CH P·PjPsPiCř PïCĤPsPIPsPrPëC,Pë
P±PµP·PïPµCĤPµCĤPIPSPëPNë PjPsPSC-C,PSCĤPëPSPi CĤPïC-PIPIC-PrPSPsCëPµPSPSCĬ
PePsCĤPëCĤC,C- C,P° CĤPëP·PëPeCř P·P°CĤC,PSCĤCřPIP°PSPSCĬ P»C-PeP°CĤCĤPePsPiPs
P·P°CĤPsP±Cř. PµCĤP°C†C-PIPSPëPePë CĤPëCĤC,PµPjPë PsC...PsCĤPsPSPë P·PrPsCĤPsPIBĤ™ CĬ
PïPsPIPëPSPSC- PïPsPIC-PrPsPjP»CĬC,Pë PïCĤPs P±CřPrCH-CĬPeC- PïC-PrPsP·CĤCHPIP°PSC-
PïPsP±C-C†PSC- CĤPµP°PeC†C-C—.

PkPµCĤCžPjC-CĤPSC-CĤC,CH.

PkPµ PjPsP¶PSP° PIPIPsPrPëC,Pë C-PSC,,CřP·C-PNëPSPëPNë CĤPsP·C†PëPS
PjPsPeCĤPëC,,P»PsPeCĤP°C†PëPSCř PsPrPSPsC†P°CĤPSPs P· C-PSCëPëPjPë
PSPµCĤCřPjC-CĤPSPëPjPë P· PSPëPj CĤPsP·C†PëPSP°PjPë, PrPs CĬPePëC... PSP°P»PµP¶P°C,CH:
CĤPsP·C†PëPS PSP°C,CĤC-CĤ C...P»PsCĤPëPrCř 10 %; CĤPsP·C†PëPS PSP°C,CĤC-CĤ
C...P»PsCĤPëPrCř 20 %; CĤPsP·C†PëPS PSP°C,CĤC-CĤ PïC-PrCĤPsPeP°CĤP±PsPSP°C,Cř 4,2 %;
CĤPsP·C†PëPS PSP°C,CĤC-CĤ PïC-PrCĤPsPeP°CĤP±PsPSP°C,Cř 8,4 %.

PïPµPNë P»C-PeP°CĤCĤPePëPNë P·P°CĤC-P± PSPµ CĤP»C-Pr P·PjC-CëCřPIP°C,Pë P·
C-PSCëPëPjPë PïCĤPµPïP°CĤP°C,P°PjPë, PeCĤC-Pj C,PëC..., C%Ps P·P°P·PSP°C†PµPSC- Cř
CĤPsP·PrC-P»C- B«PhCĤPsP±P»PëPIC- P·P°C...PsPrPë P±PµP·PïPµPePëB».

PŷPµCĤPjC-PS PïCĤPëPrP°C,PSPsCĤC,C-.

5 CĤPsPeC-PI.

PJPjPsPIPë P·P±PµCĤC-PiP°PSPSCĬ.

P—P±PµCĤC-PiP°C,Pë PI PSPµPrPsCĤC,CřPïPSPsPjCř PrP»CĬ PrC-C,PµPNë PjC-CĤC†C-.

P—P±PµCĤC-PiP°C,Pë PI CĤCřC...PsPjCř, P·P°C...PëC%PµPSPsPjCř PIC-Pr CĤPIC-C,P»P°
PjC-CĤC†C- PïCĤPë C,PµPjPïPµCĤP°C,CřCĤC- PSPµ PSPëP¶C†Pµ 15 B°Pŷ.

PkPµ P·P°PjPsCĤPsP¶CřPIP°C,Pë.

PµCĤPµPïP°CĤP°C, PïPsPIPëPSPµPS P·P±PµCĤC-PiP°C,PëCĤCH PI
PsCĤPëPiC-PSP°P»CHPSC-PNë CřPïP°PePsPIC†C-.

PJPïP°PePsPIPeP°.

PµPs 250 PjP» CĤPsP·C†PëPSCř Cř C,,P»P°PePsPSP°C.... PµPs 1 C,,P»P°PePsPSCř CĤP°P·PsPj P·
C-PSCĤC,CĤCřPeC†C-C"CH PrP»CĬ PjPµPrPëC†PSPsPiPs P·P°CĤC,PSCĤCřPIP°PSPSCĬ PI
PeP°CĤC,PSPSPSC-PNë PïP°C†C†C-.

PĽP°C,PµPiPsCĤC-CĬ PIC-PrPïCřCĤPeCř.

$P-P^{\circ} \text{ C}_{\text{H}}\text{P}_{\mu}\text{C}\ddagger\text{P}_{\mu}\text{P}\ddot{\text{C}}, \text{PsPj}.$

$P'P\ddot{\text{e}}\text{C}_{\text{H}}\text{PsP}\pm\text{PSP}\ddot{\text{e}}\text{P}\epsilon.$

$P'P^{\circ}\text{PN}_{\text{e}}\text{C}''\text{C}_{\text{H}}\text{P}_{\text{h}}\text{P}'', \text{P}\acute{\text{K}}\text{C}-\text{PjP}_{\mu}\text{C}\ddagger\text{C}\ddagger\text{P}\ddot{\text{e}}\text{PSP}^{\circ} / \text{Bayer AG, Germany}$

**$\text{P}_{\text{h}}\text{C}-\text{C}\acute{\text{I}}\text{C}\ddagger\text{P}_{\mu}\text{P}\cdot\text{PSP}^{\circ}\text{C}\dots\text{PsPrP}\P\text{P}_{\mu}\text{PSPSC}\P\text{ PIP}\ddot{\text{e}}\text{C}_{\text{H}}\text{PsP}\pm\text{PSP}\ddot{\text{e}}\text{P}\epsilon\text{P}^{\circ}\text{ C}, \text{P}^{\circ}\text{ P}^{\circ}\text{PrC}_{\text{H}}\text{P}_{\mu}\text{C}\acute{\text{I}}\text{P}^{\circ}$
 $\text{PjC}-\text{C}\acute{\text{I}}\text{C}\ddagger\text{C}\P\text{ P}\ddot{\text{I}}\text{C}_{\text{H}}\text{PsPIP}^{\circ}\text{PrP}\P\text{P}_{\mu}\text{PSPSC}\P\text{ PN}_{\text{e}}\text{PsPiPs PrC}-\text{C}\P\text{P}\P\text{C}_{\text{H}}\text{PSPsC}\acute{\text{I}}\text{C}, \text{C}-.$**

$\text{P}_{\text{h}}\text{P}^{\circ}\text{PN}_{\text{e}}\text{P}\cdot\text{P}_{\mu}\text{C}_{\text{H}}-\text{P}'\text{C}-\text{P}\P\text{C}_{\text{H}}\text{PiP}_{\mu}\text{P}\P\text{C}_{\text{H}}\text{Pj}-\text{P}_{\text{h}}\text{P}\P\text{P}_{\mu}\text{P}_{\mu}, 51368, \text{P}\P\text{P}_{\mu}\text{PIP}_{\mu}\text{C}_{\text{H}}\text{P}\epsilon\text{C}\acute{\text{r}}\text{P}\cdot\text{P}_{\mu}\text{PS},$
 $\text{P}\acute{\text{K}}\text{C}-\text{PjP}_{\mu}\text{C}\ddagger\text{C}\ddagger\text{P}\ddot{\text{e}}\text{PSP}^{\circ} /$

Kaiser-Wilhelm-Allee, 51368, Leverkusen, Germany.