

P_xP°C_HPjP°PePsC,PuCH₂P°PiPuPIC,PëC≡PSP° PiC_HCfPiP°.

РѹСѢРѹРѢР°СѢР°С,РѢ, С%Ps РІРІР»РѢРІР°СѢС,СѢ РSP° СѢРѹPSC-PS-
Р°PSPiC-PSC,РѹPSP·РѢPSPsPICр ГІРѢГІС,РѹРјСр. Р†PSPiC-Р±С-С,РsСѢРѢ РѢРѹРѢ,
РѢРsРјР±С-РSP°С†С-С—. Р†PSPiC-Р±С-С,РsСѢРѢ РѢРѹРѢ С,Р° Р±Р»РsРѢР°С,РsСѢРѢ
РѢР°Р»СѢС†С-С”РІРѢС... РѢР°PSP°Р»С-РІ. РѹРѹСѢРѢPSPРsРiСѢРѢР» С,Р°
Р°РјР»РsРРРѢРiC-PS.

РљРsРР ATX C09B Р’04.

РѢР°СѢРјР°РѢРsР»РsРiiC#PSi РІР»Р°СІС,РѢРІРsСІС,С-.

РѢР°СѢРјР°РѢРsРРРѢPSP°РјС-РѢР°.

РѹРѹСѢРѢPSPРsРiСѢРѢР»

РљРѹС...Р°PSC-Р·Рј РrС-С—

РѹРѹСѢРѢPSPРsРiСѢРѢР» вѢ” С-PSPiC-Р±С-С,РsСѢ С„РѹСѢРјРѹPSC,Ср, СІРѢРѢР№
РiРѹСѢРѹС,РІРsСѢСѢС” Р°PSPiC-PSC,РѹPSP·РѢРS Р† РІ Р°PSPiC-PSC,РѹPSP·РѢРS Р†Р†
(Р°PSPiC-PSC,РѹPSP·РѢPSPiРѹСѢРѹС,РІРsСѢСѢРІР°Р»СѢPSPѢР№ С„РѹСѢРјРѹPSC, РѢРѹРѢ).
РѹРѹСѢРѹС,РІРsСѢСѢРІР°Р»СѢPSPѢР№ С„РѹСѢРјРѹPSC,, Р°Р±Рs РѢС-РSP°Р·Р°, вѢ” С†Рѹ
РѹРѢР·РsРiРѹРiС,РѢРРР°Р·Р°, СІРѢР° СѢРsР±РѢС,СѢ РјРsР¶Р»Р»РѢРІРѢРј
РiРѹСѢРѹС,РІРsСѢРѹPSPSCІ Р°PSPiC-PSC,РѹPSP·РѢPSCр Р† Ср
СІСрРРРѢPSPsР·РІСрР¶СрРІР°Р»СѢPSPѢР№ Р°PSPiC-PSC,РѹPSP·РѢРS Р†Р†, Р° С,Р°РѢРsР¶
СІРiСѢРѢС†РѢPSCІС” СѢРsР·РiР°РР РІР°Р·РsРРРѢР»Р°С,Р°С,РsСѢР° Р±СѢР°РРѢРѢС-РSC-РSCр
РРРs РSPРѹРѢС,РѢРІРSPsРiРs РiРѹРiС,Р°РiРѹРiС,РѢРrСр. Р†PSPiC-Р±СрРІР°Р»PSPSCІ РѢРѹРѢ
РiСѢРѢР·РІРsРРѢС,СѢ РРРs Р·РјРѹPSCРѹPSPSCІ РѢРsPSC†РѹPSC,СѢР°С†С-С—
Р°PSPiC-PSC,РѹPSP·РѢPSCр Р†Р† Ср РiР»Р°Р·РјС- РѢСѢРsPIC-, С%Ps РiС-РrРІРѢС%СрС”
Р°РѢС,РѢРІРPSC-СІС,СѢ СѢРѹPSC-РSCр Ср РiР»Р°Р·РјС- РѢСѢРsPIC- (Р·Р° СѢР°С...СрPSPsРѢ
РiСѢРѢРiPSC-С†РѹPSPSCІ РSPРiР°С,РѢРІРSPsРiРs Р·РІРsСѢРsC,РSPsРiРs Р·РІвѢ™ СІР·РѢСр
РІРѢРІС-Р»СѢPSPРѹPSPSCІ СѢРѹPSC-РSCр) С,Р° Р·PSPѢР¶СрС” СІРѹРѢСѢРѹС†С-СѢ
Р°Р»СѢРРsСІС,РѹСѢРsPSCр. РѢСІРѢС-Р»СѢРѢ РѢРѹРѢ С-РSP°РѢС,РѢРІСрС”
Р±СѢР°РРРѢРѢС-РSC-PS, С-PSPiC-Р±СрРІР°Р»PSPSCІ РѢРѹРѢ С,Р°РѢРsР¶ РiСѢРѢР·РІРsРРѢС,СѢ
РРРs РiС-РrРІРѢС%РѹPSPSCІ Р°РѢС,РѢРІРSPsСІС,С- С†РѢСѢРѢСрР»СѢСѢС†РsС— С,Р°
РјС-СІС†РѹРІРsС— РѢР°Р»С-РѢСѢРѹС—РSPѢС-РSC-РSPsРІРsС— СІРѢГІС,РѹРјРѢ (С-
С,Р°РѢРѢРј С†РѢPSPsРј С,Р°РѢРsР¶ РiСѢРѢР·РІРsРРѢС,СѢ РРРs Р°РѢС,РѢРІР°С†С-С—
СІРѢГІС,РѹРјРѢ РiСѢРsСІС,Р°РiР»Р°Р»PSPРѢPSC-РІ). РiРѹР№ РјРѹС...Р°PSC-Р·Рј РrС-С—
Р·СрРјРsРІР»СѢС” Р·PSPѢР¶РѹPSPSCІ Р°СѢС,РѹСѢС-Р°Р»СѢPSPsРiРs С,РѢСІРѢСр
С-PSPiC-Р±С-С,РsСѢР°РјРѢ РѢРѹРѢ С- С†Р°СІС,РѢРsРІРs РІС-РrРiРsРІС-РrР°С” Р·Р°
РiРsСІРІСр РrРѹСІРѢРѢС... РiРsР±С-С†PSPѢС... РѹС„РѹРѢС,С-РІ (PSP°РiСѢРѢР»Р°РР,
РѢР°СѢР»СѢ).

РѹРѹСѢРѢPSPРsРiСѢРѢР» РrС-С” С†РѹСѢРѹС· СІРІС-Р№ Р°РѢС,РѢРІРSPѢР№
РјРѹС,Р°Р±РsР»С-С, вѢ” РiРѹСѢРѢPSPРsРiСѢРѢР»Р°С,. Р†PSCѢС- Р¶ РјРѹС,Р°Р±РsР»С-С,РѢ
PSPР РrРѹРјРsPSCІС,СѢСрСѢС,СѢ Р°РѢС,РѢРІРSPsСІС,С- РІ С-PSPiC-Р±СрРІР°Р»PSPSC- РѢРѹРѢ
РІ РѹРѢСІРiРѹСѢРјРѹPSC,Р°Р»СѢPSPѢС... СрРјРsРІР°С....

РљР»С-РSC-С†PSP° РѹС„РѹРѢС,РѢРІРPSC-СІС,СѢ С,Р° Р±РѹР·РiРѹРѢР°

РѢСѢС,РѹСѢС-Р°Р»СѢPSP° РiС-РiРѹСѢС,РѹPSP·С-СІ

C₇H^oPSP_rPsPjC-P·PsPIP^oPSC- C_r PiC₇CrPiPë: 6110 PiP^oC†C-C^oPSC,C-PI PiC₇H₇PëPN₂PjP^oP»Pë
 8 PjPi PiP_μC₇H₇PëPSP_rPsPiC₇H₇PëP»C_r C,P_μC₇H₇C,P±C_rC,PëP»P^oPjC-PSC_r (C_∞Ps C^o
 P_μPePIC-PIP^oP»P_μPSC,PSPëPj PiP_μC₇H₇PëPSP_rPsPiC₇H₇PëP»C_r P^oC₇H₇PiC-PSC-PSC_r 10 PjPi) C,P^o
 6108 PiP^oC†C-C^oPSC,C-PI PiC₇H₇PëPN₂PjP^oP»Pë PiP»P^oC†P_μP±Ps. Pj PrPsC_rP»C-PrP_μPSPSC-
 P±C₇H₇P^oP»Pë C_rC†P^oC_rC,CH PiP^oC†C-C^oPSC,Pë P· PiC-PrC,PIP_μC₇H₇PrP_μPSPsC₇
 C-CëP_μPjC-C†PSPsC₇ C...PIP_sC₇H₇PsP±PsC₇ C_rP_μC₇H₇C†C_μ C,P^o P±P_μP· PeP»C-PSC-C†PSPs
 PiC-PrC,PIP_μC₇H₇PrP_μPSPsC— C_rP_μC₇H₇C†P_μPIP_sC— PSP_μPrPsC_rC,P^oC,PSPsC_rC,C-.
 P—P^oPiP^oP»PsPj 90 % PiP^oC†C-C^oPSC,C-PI PiP_μC₇H₇P_μPSP_μC_rP»Pë PI P^oPSP^oPjPSP_μP·C-
 C-PSC,,P^oC₇H₇PeC, PjC-PsPeP^oC₇H₇PrP^o C,P^o/P^oP±Ps PsPiP_μC₇H₇P^oC†C-C₇ P·
 C₇H₇P_μPIP^oC_rPeC_rP»C_μC₇H₇PëP·P^oC†C-C—. P^oC-P»CHCëC-C_rC,CH PiP^oC†C-C^oPSC,C-PI C_r
 PrPsC_rP»C-PrP_μPSPSC- PsC,C₇H₇PëPjC_rPIP^oP»P^o PiP_μC₇H₇PëPSP_rPsPiC₇H₇PëP» PSP^o
 PrPsPrP^oC,PsPe PrPs C_rC,P^oPSP_rP^oC₇H₇C,PSPsC— C,P_μC₇H₇P^oPiC-C—:
 PrP_μP·P^oPiC₇H₇P_μPiP^oPSC,P^oPjPë, PiC-PiPsP»C-PiC-PrP_μPjC-C†PSPëPjPë
 P»C-PeP^oC₇H₇C_rCHPePëPjPë P·P^oC_rPsP±P^oPjPë C,P^o β-P±P»PsPeP^oC,PsC₇H₇P^oPjPë.

P^oPsP»PsPIPSPëPjPë PeC₇H₇PëC,P_μC₇H₇C-C_μPjPë PsC†C-PSPePë P_μC,,P_μPeC,PëPIPSPsC_rC,C-
 P±C_rP»P^o PePsPjP±C-PSPsPIP^oPSP^o C,PsC†PeP^o: C_rP_μC₇H₇C†P_μPIP_s-C_rC_rPrPëPSPSP^o
 P»P_μC,P^oP»CH₇PSC-C_rC,CH, PSP_μP»P_μC,P^oP»CH₇PSPëPN₂ C-PSC,,P^oC₇H₇PeC, PjC-PsPeP^oC₇H₇PrP^o
 C,P^o/P^oP±Ps P·C_rPiPëPSPeP^o C_rP_μC₇H₇C†C_μ P· PiPsPrP^oP»CHCëPëPj C_rC_rPiC-CëPSPëPj
 P·P^oPiC_rC_rPePsPj. P P_μP·C_rP»CH₇C,P^oC,PsPj C,P_μC₇H₇P^oPiC-C— PiP_μC₇H₇PëPSP_rPsPiC₇H₇PëP»C_r
 C,P_μC₇H₇C,P±C_rC,PëP»P^oPjC-PSPsPj C_r PrPsP·C- 8 PjPi PsPrPëPS C₇H₇P^o· PSP^o PrP_μPSCH₇
 C_rC,P^oP»Ps PrPsC_rC,PsPIC-C₇H₇PSP_μ P^oP±C_rPsP»C₇H₇C,PSP_μ P·PjP_μPSCëP_μPSPSC_μ
 PiPsPeP^o·PSPëPeP^o PiP_μC₇H₇PIPëPSPSPsC— PeC-PSC†P_μPIP_sC— C,PsC†PePë
 PrPsC_rP»C-PrP_μPSPSC_μ PSP^o 1,9 % (P·PjP_μPSCëP_μPSPSC_μ PIC-PrPSPsC_rPSPsPiPs
 C₇H₇PëP·PëPeC_r PSP^o 20 %, 95 % P^oP† (PrPsPIC-C₇H₇C†PëPN₂ C-PSC,P_μC₇H₇PIP^oP») [9,4; 28,6] б₇ p <
 0,001).

P₇H₇PjP»PsPrPëPiC-PS

P₇H₇P_μC...P^oPSC-P·Pj PrC-C—

P₇H₇PjP»PsPrPëPiC-PS C^o C-PSPiC-P±C-C,PsC₇H₇PsPj PiPsC,PsPeC_r C-PsPSC-PI PeP^oP»CHC†C-C₇,
 C_∞Ps PSP^oP»P_μP_μPëC,CH PrPs PiC₇CrPiPë PrPëPiC-PrC₇H₇PsPiC-C₇H₇PëPrPëPSC-PI
 (P±P»PsPeP^oC,PsC₇ PiPsPIC-P»CH₇PSPëC... PeP^oP»CHC†C-C^oPIPëC... PeP^oPSP^oP»C-PI P^oP±Ps
 P^oPSC,P^oPiPsPSC-C_rC, C-PsPSC-PI PeP^oP»CHC†C-C₇) C,P^o P±P»PsPeC_rC^o
 C,C₇H₇P^oPSC_rPjP_μPjP±C₇H₇P^oPSPSPëPN₂ PiPsC,C-Pe C-PsPSC-PI PeP^oP»CHC†C-C₇ PrPs
 PeP»C-C,PëPS PiP»P^oPrPePëC... Pjб₇™ C_μP·C-PI PjC-PsPeP^oC₇H₇PrP^o C,P^o C_rC_rPrPëPS.

P₇H₇P_μC...P^oPSC-P·Pj P^oPSC,PëPiC-PiP_μC₇H₇C,P_μPSP·PëPIPSPsC— PrC-C— P^oPjP»PsPrPëPiC-PSC_r
 P·C_rPjPsPIP»P_μPSPëPN₂ PiC₇H₇C_μPjPsC₇ C₇H₇P_μP»P^oPeC_rC_rC₇H₇C†PsC₇ PrC-C^oC₇ PSP^o
 PiP»P^oPrPeC_r PjC_rC_rPeC_rP»P^oC,C_rC₇H₇C_r C_rC_rPrPëPS. P₇PsC†PSPëPN₂ PjP_μC...P^oPSC-P·Pj, P·P^o
 PrPsPiPsPjPsPiPsC₇ C_μPePsPiPs P^oPjP»PsPrPëPiC-PS P·PjP_μPSCëC_rC^o PiC₇H₇PsC_μPIPë
 C_rC,P_μPSPsPeP^oC₇H₇PrC-C—, PiPsPIPSC-C_rC,C₇ PSP_μ PIPëP·PSP^oC†P_μPSPs, P^oP»P_μ
 P^oPjP»PsPrPëPiC-PS P·PjP_μPSCëC_rC^o P·P^oPiP^oP»CH₇PSC_r C-CëP_μPjC-C₇
 PSP^oPIP^oPSC,P^oP_μPSPSC_μ P·P^oPIPrC_μPePë C,P^oPePëPj PrC-C_μPj:

- P^oPjP»PsPrPëPiC-PS C₇H₇PsP·CëPëC₇H₇C^o PiP_μC₇H₇PëC,,P_μC₇H₇PëC†PSC- P^oC₇H₇C,P_μC₇H₇C-PsP»Pë C-
 C,P^oPePëPj C†PëPSPsPj P·PSPëP_μC_rC^o P·P^oPiP^oP»CH₇PSPëPN₂ PiP_μC₇H₇PëC,,P_μC₇H₇PëC†PSPëPN₂
 PsPiC-C₇ (PiPsC_rC,PSP^oPIP^oPSC,P^oP_μPSPSC_μ). PhC_rPeC-P»CH₇PePë C†P^oC_rC,PsC,P^o
 C_rP_μC₇H₇C†P_μPIPëC... C_rPePsC₇H₇PsC†P_μPSCH₇ PSP_μ P·PjC-PSC₇C^oC,CHC_rC_μ,
 P·PSPëP_μPSPSC_μ PSP^oPIP^oPSC,P^oP_μPSPSC_μ PSP^o C_rP_μC₇H₇C†P_μ P·PjP_μPSCëC_rC^o
 C_rPiPsP_μPëPIP^oPSPSC_μ P_μPSP_μC₇H₇PiC-C— PjC-PsPeP^oC₇H₇PrPsPj C,P^o PN₂PsPiPs PiPsC,C₇H₇P_μP±C_r

P•C,,PμPeC,PēPIPSC-CfC,Ch P°PjP»PsPrPēPiC-PSCr Cr P·P°PiPsP±C-PiP°PSPSC-
PeP»C-PSC-C±PSPēC... PiPsPrC-PNē Cr PiP°C†C-C"PSC,C-PI P· C-CēPμPjC-C±PSPsCf
C...PIPsCfPsP±PsCf CfPμCfC†Cf (P†P†PŸ) P±CfP»Ps PsC†C-PSPμPSPs Cr
PSPμP·P°P»PμP¶PSPsPjCr PjCrP»ChC,PēC†PμPSC,CfPsPIPsPjCr
CfP°PSPrPsPjC-P·PsPIP°PSPsPjCr PiPsPrPIC-PNēPSPs CfP»C-PiPsPjCr
PiP»P°C†PμP±PsPePsPSC,CfPsP»ChPsPIP°PSPsPjCr PrPsCfP»C-PrP¶PμPSPSC- P·
CfC±P°CfC,Cf 1997 PiP°C†C-C"PSC,C-PI Bf"B CAMELOT (PμPsCfC-PIPSCIIPSPSCI
P°PjP»PsPrPēPiC-PSCr PrPs PμPSP°P»P°PiCfPēP»Cr C%PsPrPs PsP±PjPμP¶PμPSPSCI
PIPēPiP°PrPeC-PI C,CfPsPjP±PsP·Cr). PμCfPsC,CfPiPsPj 2 CfPsPeC-PI 663 PiP°C†C-C"PSC,Pē
PiCfPēPNēPjP°P»Pē P°PjP»PsPrPēPiC-PS Cr PrPsP·C- 5Bf"10 PjPi, 673 PiP°C†C-C"PSC,Pē
PiCfPēPNēPjP°P»Pē PμPSP°P»P°PiCfPēP» Cr PrPsP·C- 10Bf"20 PjPi C- 655 PiP°C†C-C"PSC,C-PI
PiCfPēPNēPjP°P»Pē PiP»P°C†PμP±Ps PSP° PrPsPrP°C,PsPe PrPs CfC,P°PSPrP°CfC,PSPsC—
C,PμCfP°PiC-C— CfC,P°C,PēPSP°PjPē, β-P±P»PsPeP°C,PsCfP°PjPē, PrC-CfCfPμC,PēPeP°PjPē
C,P° P°CfPiC-CfPēPSPsPj. PhCfPSPsPIPSC- CfPμP·CfP»ChC,P°C,Pē P·
PμC,,PμPeC,PēPIPSPsCfC,C- PSP°PIPμPrPμPSPs Cr C,P°P±P»PēC†C- PSPēP¶C±Pμ.
P PμP·CfP»ChC,P°C,PēB CfPIC-PrC±P°C,Ch PiCfPs C,Pμ, C%Ps P»C-PeCfPIP°PSPSCI

PiPsPeP°P·P°P»Ps, C%Ps P·P°CfC,PsCfCfPIP°PSPSClI P°PjP»PsPrPëPiC-PSCf PSPµ
PiC-PrPIPëC%CrC” ЧҗPëP·PëPeCf P»PµC,P°P»CHbPSPsCfC,C- P°P±Ps ЧҗPëP·PëPeCf
P·P°C...PIPsCҗCҗPIP°PSPsCfC,C-/P»PµC,P°P»CHbPSPsCfC,C-, PiPsPIbҗ™ ClI·P°PSPëC... C-P·
CfPµCҗCfPµPIPsCҗ PSPµPrPsCfC,P°C,PSC-CfC,Cҗ.

PRAISE-2 бҗ” PrPsPIPiPsC,ЧҗPëPIP°P»Pµ PiP»P°CfPµP±PsPePsPSC,ЧҗPsP»CHbPsPIP°PSPµ
PrPsCfP»C-PrP¶PµPSPSClI. PҗPµC,P° PrPsCfP»C-PrP¶PµPSPSClI бҗ” PsCfC-PSPëC,Pë
PIPiP»PëPI P°PjP»PsPrPëPiC-PSCf PSP° PiP°CfC-C”PSC,C-PI C-P· CfPµCҗCfPµPIPsCҗ
PSPµPrPsCfC,P°C,PSC-CfC,Cҗ C,,CfPSPeCfC-PsPSP°P»CHbPSPsPiPs PeP»P°CfCf IIIбҗ”IV NYHA
P±PµP· PeP»C-PSC-CfPSPëC... CfPëPjPiC,PsPjC-PI P°P±Ps PsP±бҗ™ C”PeC,PëPIPSPëC...
PrP°PSPëC..., ClI·PeC- PiC-PrC,PIPµCҗPrP¶CfCҗC,CH P°P±Ps C” PI PsCfPSPsPIC-
C-CёPµPjC-CfPSPsC— C...PIPsCҗPsP±Pë. PµP°CfC-C”PSC,Pë, ClI·PeC- P±CҗP°P»Pë
CfCfP°CfC,CH Cf PrPsCfP»C-PrP¶PµPSPSC-, C,ЧҗPëPIP°P»PëPNë CfP°Cf PiCҗPëPNëPjP°P»Pë
C-PSPiC-P±C-C,PsCҗPë PҗPµPҗ, P»C-PeP°CҗCfCHbPeC- P·P°CfPsP±Pë PrPëPiC-C,P°P»C-CfCf
C,P° PrC-CfCҗPµC,PëPePë. P”PsCfP»C-PrP¶PµPSPSClI PiPsPeP°P·P°P»Ps, C%Ps
P°PjP»PsPrPëPiC-PS PSPµ PIPiP»PëPIP°C” PSP° P·P°PiP°P»CHbPSCf
PeP°CҗPrC-PsPIP°CfPeCfP»ClIЧҗPSCf P»PµC,P°P»CHbPSC-CfC,Cҗ. PJ ЧҗP°PjPeP°C...
PrPsCfP»C-PrP¶PµPSPSClI PiCҗPëPNëPsPj P°PjP»PsPrPëPiC-PSCf P°CfPsCfC-CҗPIP°PICfClI
C-P· PiC-PrPIPëC%PµPSPSClI·Pj PeC-P»CHbPePsCfC,C- PiPsPIC-PrPsPjP»PµPSCҗ PiCҗPs
PSP°P±CҗClI·Pe P»PµPiPµPSC-PI.

ALLHAT бҗ” PrPsCfP»C-PrP¶PµPSPSClI ЧҗC-P·PSPëC... C,PëPiC-PI P»C-PeCfPIP°PSPSClI
PrP»ClI PiPsPiPµCҗPµPrP¶PµPSPSClI CfPµCҗCfPµPIPëC... PSP°PiP°PrC-PI

P P°PSPrPsPjC-P·PsPIP°PSPµ PiPsPrPIC-PNëPSPs CfP»C-PiPµ PrPsCfP»C-PrP¶PµPSPSClI
P·P°C...PIPsCҗCҗPIP°PSPsCfC,C-/P»PµC,P°P»CHbPSPsCfC,C- ALLHAT
(PҗPSC,PëPiC-PiPµCҗC,PµPSP·PëPIPSµ C,P° PiC-PiPsP»C-PiC-PrPµPjC-CfPSPµ
P»C-PeCfPIP°PSPSClI PrP»ClI PiCҗPsC,,C-P»P°PeC,PëPePë CfPµCҗCfPµPIPëC... PSP°PiP°PrC-PI)
PiCҗPsPIPsPrPëP»PsCfClI Cf PiP°CfC-C”PSC,C-PI P· P»PµPiPePsCҗ C- PiPsPjC-ЧҗPSPsCҗ
P°CҗC,PµCҗC-P°P»CHbPSPsCҗ PiC-PiPµCҗC,PµPSP·C-C”Cҗ PrP»ClI PiPsCҗC-PIPSClI·PSPSClI
CfCfCfP°CfPSPëC... C,PµCҗP°PiPµPIC,PëCfPSPëC... P·P°CfPsP±C-PI: P°PjP»PsPrPëPiC-PSCf Cf
PrPsP·C- 2,5бҗ”10 PjPi/PrPµPSCҗ (P±P»PsPeP°C,PsCҗ PeP°P»CHbCfC-C”PIPëC...
PeP°PSP°P»C-PI) P°P±Ps P»C-P·PëPSPsPiCҗPëP»Cf Cf PrPsP·C- 10бҗ”40 PjPi/PrPµPSCҗ
(C-PSPiC-P±C-C,PsCҗ PҗPµPҗ) ClI·Pe C,PµCҗP°PiC-C— PiPµCҗCёPsC— P»C-PSC-C— C-
C,C-P°P·PëPrPSPsPiPs PrC-CfCҗPµC,PëPeP° C...P»PsCҗC,P°P»C-PrPsPSCf Cf PrPsP·C-
12,5бҗ”25 PjPi/PrPµPSCҗ.

PJ PrPsCfP»C-PrP¶PµPSPSC- P±CҗP°P»Pë CfCfP°CfC,CH 33357 PiP°CfC-C”PSC,C-PI P·
P°CҗC,PµCҗC-P°P»CHbPSPsCҗ PiC-PiPµCҗC,PµPSP·C-C”Cҗ PIC-PePsPj PIC-Pr 55 ЧҗPsPeC-PI,
ClI·PeC- CfPiPsCfC,PµCҗC-PiP°P»PëCfClI PI CfPµCҗPµPrPSCҗPsPjCf PiCҗPsC,ClI·PiPsPj 4,9
ЧҗPsPeCf. PµP°CfC-C”PSC,Pë PjP°P»Pë C...PsCfP° P± PsPrPëPS PrPsPrP°C,PePsPIPëPNë
PeP°CҗPrC-PsPIP°CfPeCfP»ClIЧҗPSPëPNë C,,P°PeC,PsCҗ ЧҗPëP·PëPeCf, Cf C,PsPjCf
CfPëCfP»C- PiPsPiPµCҗPµPrPSC-PNë C-PSC,,P°CҗPeC, PjC-PsPeP°CҗPrP° P°P±Ps
C-PSCfCfP»CHbC, P·P° > 6 PjC-CfCfCfCfC-PI PrPs PIPeP»CҗCfPµPSPSClI Cf
PrPsCfP»C-PrP¶PµPSPSClI, P°P±Ps PiC-PrC,PIPµCҗPrP¶PµPSPSClI C-PSCёPsPiPs
P°C,PµCҗPsCfPeP»PµCҗPsC,PëCfPSPsPiPs CfPµCҗCfPµPIPs-CfCfPrPëPSPSPsPiPs
P·P°C...PIPsCҗCҗPIP°PSPSClI (P·P°PiP°P»PsPj 51,5 %), PrC-P°P±PµC, P†P† C,PëPiCf (36,1 %),
PrPëCfP»C-PiC-PrPµPjC-Cҗ P>P°© (P»C-PiPsPiCҗPsC,PµC—PrPë PIPëCfPsPePsC—
C%C-P»CHbPSPsCfC,C-) < 35 PjPi/PrP» (11,6 %), PiC-PiPµCҗC,ЧҗPsC,,C-Cҗ P»C-PIPsPiPs
CёP»CfPSPsCfPeP°, C%Ps P±CfP»P° PICfC,P°PSPsPIP»PµPSP° PSP°
PµP»PµPeC,ЧҗPsPeP°CҗPrC-PsPiCҗP°PjC- P°P±Ps PiC-Pr CfP°Cf
PµC...PsPeP°CҗPrC-PsPiCҗP°C,,C-C— (20,9 %), PiP°P»C-PSPSClI (21,9 %).

$P_{\mu}P_{\mu}C_{\eta}PIP\ddot{e}PSPSP^{\circ}PeC-PSC\uparrow P_{\mu}PIP^{\circ}C,PsC\ddot{+}PeP^{\circ}PrPsC\uparrow P\gg C-PrP\uparrow P_{\mu}PSPSC\downarrow P\pm C\uparrow P\gg P^{\circ}$
 $PePsPjP\pm C-PSPsPIP^{\circ}PSPsC_{\eta}C-Cl\ddot{+}PeP\gg P^{\circ}PrP^{\circ}P\gg P^{\circ}C\uparrow C\downarrow P\cdot P\gg P_{\mu}C,P^{\circ}P\gg CH\ddot{+}PSP\ddot{e}C...$
 $C\uparrow C\uparrow PeP\gg P^{\circ}PrPSP_{\mu}PSC_{\eta}P\uparrow P\uparrow P\ddot{+}P^{\circ}P\pm PsPSP_{\mu}P\gg P_{\mu}C,P^{\circ}P\gg CH\ddot{+}PSPsPiPsC-PSC,,P^{\circ}C_{\eta}PeC,C\uparrow$
 $PjC-PsPeP^{\circ}C_{\eta}PrP^{\circ}.P\ddot{+}C,P^{\circ}C,P\ddot{e}C\uparrow C,P\ddot{e}C\ddot{+}PSPsPrPsC\uparrow C,PsPIC-C_{\eta}PSPsC-C_{\eta}C-P\cdot PSP\ddot{e}C\uparrow C-P\cdot P^{\circ}$
 $PiPsPeP^{\circ}P\cdot PSP\ddot{e}PeP^{\circ}PjP\ddot{e}PiP_{\mu}C_{\eta}PIP\ddot{e}PSPSPsC-PeC-PSC\uparrow P_{\mu}PIPsC-C,PsC\ddot{+}PeP\ddot{e}PjC-P\uparrow$
 $C,P_{\mu}C_{\eta}P^{\circ}PiC-C''C_{\eta}PSP^{\circ}PsC\uparrow PSPsPIC-P^{\circ}PjP\gg PsPrP\ddot{e}PiC-PSC\uparrow C-C,P_{\mu}C_{\eta}P^{\circ}PiC-C''C_{\eta}PSP^{\circ}$
 $PsC\uparrow PSPsPIC-C...P\gg PsC_{\eta}C,P^{\circ}P\gg C-PrPsPSC\uparrow PSP_{\mu}PIP\ddot{e}C\downarrow PIP\gg P_{\mu}PSPs:PIC-PrPSPsC\uparrow PSP\ddot{e}PN_{\ddot{e}}$
 $C_{\eta}P\ddot{e}P\cdot P\ddot{e}Pe0,98,95\%P''P\uparrow(0,90\text{в}\ddot{+}''1,07)C_{\eta}=0,65.P\odot PsPrPsPIC,PsC_{\eta}P\ddot{e}PSPSP\ddot{e}C...$
 $PeC-PSC\uparrow P_{\mu}PIP\ddot{e}C...C,PsC\ddot{+}PsPe,C,PsC\ddot{+}P^{\circ}C\uparrow C,PsC,P^{\circ}PIP\ddot{e}PSP\ddot{e}PePSP_{\mu}PSPSC\downarrow$
 $C\uparrow P_{\mu}C_{\eta}C\uparrow P_{\mu}PIPsC-PSP_{\mu}PrPsC\uparrow C,P^{\circ}C,PSPsC\uparrow C,C-(Cl\ddot{+}PeP\gg P^{\circ}PrPsPIP^{\circ}$
 $PePsPjP\pm C-PSPsPIP^{\circ}PSPsC-C\uparrow P_{\mu}C_{\eta}C\uparrow P_{\mu}PIPs-C\uparrow C\uparrow PrP\ddot{e}PSPSPsC-PeC-PSC\uparrow P_{\mu}PIPsC-$
 $C,PsC\ddot{+}PeP\ddot{e})P\pm C\uparrow P\gg P^{\circ}PrPsC\uparrow C,PsPIC-C_{\eta}PSPsPIP\ddot{e}C\%PsC_{\eta}C\uparrow PiC_{\eta}C\uparrow PiC-,C\%Ps$
 $PiC_{\eta}P\ddot{e}PN_{\ddot{e}}PjP^{\circ}P\gg P^{\circ}P^{\circ}PjP\gg PsPrP\ddot{e}PiC-PS,PiPsC_{\eta}C-PIPSC\downarrow PSPsP\cdot PiC_{\eta}C\uparrow PiPsC_{\eta},C\%Ps$
 $PiC_{\eta}P\ddot{e}PN_{\ddot{e}}PjP^{\circ}P\gg P^{\circ}C...P\gg PsC_{\eta}C,P^{\circ}P\gg C-PrPsPS(10,2\%PiC_{\eta}PsC,P\ddot{e}7,7\%,PIC-PrPSPsC\uparrow PSP\ddot{e}PN_{\ddot{e}}$
 $C_{\eta}P\ddot{e}P\cdot P\ddot{e}Pe1,38,95\%P''P\uparrow[1,25\text{в}\ddot{+}''1,52]p<0,001).PhPrPSP^{\circ}PePSP_{\mu}P\pm C\uparrow P\gg Ps$
 $PIC-PrP\cdot PSP^{\circ}C\ddot{+}P_{\mu}PSPsPrPsC\uparrow C,PsPIC-C_{\eta}PSPsC-C_{\eta}C-P\cdot PSP\ddot{e}C\uparrow C-P\cdot P^{\circ}$
 $P\gg P_{\mu}C,P^{\circ}P\gg CH\ddot{+}PSC-C\uparrow C,C_{\eta}P\cdot P\pm C\uparrow PrCH-C\downarrow PeP\ddot{e}C...PiC_{\eta}P\ddot{e}C\ddot{+}P\ddot{e}PSPjC-P\uparrow C,P_{\mu}C_{\eta}P^{\circ}PiC-C''C_{\eta}$
 $PSP^{\circ}PsC\uparrow PSPsPIC-P^{\circ}PjP\gg PsPrP\ddot{e}PiC-PSC\uparrow C-C,P_{\mu}C_{\eta}P^{\circ}PiC-C''C_{\eta}PSP^{\circ}PsC\uparrow PSPsPIC-$
 $C...P\gg PsC_{\eta}C,P^{\circ}P\gg C-PrPsPSC\uparrow (PIC-PrPSPsC\uparrow PSP\ddot{e}PN_{\ddot{e}}C_{\eta}P\ddot{e}P\cdot P\ddot{e}Pe0,96,95\%P''P\uparrow[0,89\text{в}\ddot{+}''1,02]$
 $C_{\eta}=0,20).$

$P'P\gg P^{\circ}C\uparrow C,P\ddot{e}PIPsC\uparrow C,C-,Cl\ddot{+}PiC-P\gg CH\ddot{+}PSC-PrP\gg C\downarrow PiP_{\mu}C_{\eta}P\ddot{e}PSPPrPsPiC_{\eta}P\ddot{e}P\gg C\ddot{+}PN_{\ddot{e}}$
 $P^{\circ}PjP\gg PsPrP\ddot{e}PiC-PSC\ddot{+}$

$P''PsC\uparrow P\gg C-PrP\uparrow P_{\mu}PSPSC\downarrow P\cdot P^{\circ}C...PIPsC_{\eta}C_{\eta}PIP^{\circ}PSPsC\uparrow C,C-P^{\circ}P\gg P_{\mu}C,P^{\circ}P\gg CH\ddot{+}PSPsC\uparrow C,C-$
 $ASCOT-BLPA(P_{\eta}PSPiP\gg Ps-C\uparrow PeP^{\circ}PSPPrP\ddot{e}PSP^{\circ}PIC\uparrow CH\ddot{+}PeP_{\mu}PrPsC\uparrow P\gg C-PrP\uparrow P_{\mu}PSPSC\downarrow$
 $PeP^{\circ}C_{\eta}PrC-PsPIP^{\circ}C\uparrow PeC\uparrow P\gg C\downarrow C_{\eta}PSP\ddot{e}C...PSP^{\circ}C\uparrow P\gg C-PrPeC-Pi\text{ в}\ddot{+}''$
 $P^{\circ}PSC,P\ddot{e}PiC-PiP_{\mu}C_{\eta}C,P_{\mu}PSP\cdot P\ddot{e}PIPS^{\circ}PiC-P\gg PeP^{\circ})P\pm C\uparrow P\gg PsPiC_{\eta}PsPIP_{\mu}PrP_{\mu}PSPsP\cdot$
 $C\uparrow C\ddot{+}P^{\circ}C\uparrow C,C_{\eta}19257PiP^{\circ}C\uparrow C-C''PSC,C-PiPIC-PePsPjPIC-Pr40PrPs79C_{\eta}PsPeC-PiP\cdot$
 $PiC-PiP_{\mu}C_{\eta}C,P_{\mu}PSP\cdot C-C''C_{\eta}C,P^{\circ}PSP^{\circ}C\downarrow PIPSC-C\uparrow C,C_{\eta}C\%PsPSP^{\circ}PN_{\ddot{e}}PjP_{\mu}PSC\epsilon P_{\mu}3C-P\cdot$
 $PSP\ddot{e}P\uparrow C\ddot{+}P_{\mu}PSP^{\circ}PIP_{\mu}PrP_{\mu}PSP\ddot{e}C...PeP^{\circ}C_{\eta}PrC-PsPIP^{\circ}C\uparrow PeC\uparrow P\gg C\downarrow C_{\eta}PSP\ddot{e}C...C,,P^{\circ}PeC,PsC_{\eta}C-Pi$
 $C_{\eta}P\ddot{e}P\cdot P\ddot{e}PeC\uparrow:PiC-PiP_{\mu}C_{\eta}C,C_{\eta}PsC,,C-C\downarrow P\gg C-PIPsPiPsC\epsilon P\gg C\uparrow PSPsC\ddot{+}PeP^{\circ}(PIP\ddot{e}C\downarrow PIP\gg P_{\mu}PSP^{\circ}$
 $P\cdot P^{\circ}PrP^{\circ}PSP\ddot{e}PjP\ddot{e}P\cdot P_{\eta}P''P^{\circ}P\pm PsP_{\mu}C...PsPeP^{\circ}C_{\eta}PrC-PsPiC_{\eta}P^{\circ}C,,C-C-),C-PSC\epsilon C-$
 $PIC-PrC...P\ddot{e}P\gg P_{\mu}PSPSC\downarrow,PIP\ddot{e}C\downarrow PIP\gg P_{\mu}PSC-PSP^{\circ}P_{\mu}P\gg P_{\mu}PeC,C_{\eta}PsPeP^{\circ}C_{\eta}PrC-PsPiC_{\eta}P^{\circ}PjC-,$
 $C\uparrow C\uparrow PeC_{\eta}PsPIP\ddot{e}PN_{\ddot{e}}PrC-P^{\circ}P\pm P_{\mu}C,P\uparrow P\uparrow C,P\ddot{e}PiC\uparrow,P\cdot P^{\circ}C...PIPsC_{\eta}C_{\eta}PIP^{\circ}PSPSC\downarrow$
 $PiP_{\mu}C_{\eta}P\ddot{e}C,,P_{\mu}C_{\eta}P\ddot{e}C\ddot{+}PSP\ddot{e}C...P^{\circ}C_{\eta}C,P_{\mu}C_{\eta}C-PN_{\ddot{e}},PiP_{\mu}C_{\eta}P_{\mu}PSP_{\mu}C\uparrow P_{\mu}PSP\ddot{e}PN_{\ddot{e}}C-PSC\uparrow C\uparrow P\gg CH\ddot{+}C,$
 $P^{\circ}P\pm PsC,C_{\eta}P^{\circ}PSP\cdot P\ddot{e}C,PsC_{\eta}PSP^{\circ}C-C\epsilon P_{\mu}PjC-C\ddot{+}PSP^{\circ}P^{\circ}C,P^{\circ}PeP^{\circ},C\ddot{+}PsP\gg PsPIC-C\ddot{+}P^{\circ}$
 $C\uparrow C,P^{\circ}C,CH,PIC-PePIC-Pr55C_{\eta}PsPeC-Pi,PjC-PeC_{\eta}PsP^{\circ}P\gg CH\ddot{+}P\pm C\uparrow PjC-PSC\uparrow C_{\eta}C-C\downarrow P^{\circ}P\pm Ps$
 $PiC_{\eta}PsC,P_{\mu}C-PSC\uparrow C_{\eta}C-C\downarrow,PiP^{\circ}P\gg C-PSPSC\downarrow,C\uparrow PiC-PIPIC-PrPSPsC\epsilon P_{\mu}PSPSC\downarrow C_{\eta}C-PIPS\downarrow$
 $P\cdot P^{\circ}PiP^{\circ}P\gg CH\ddot{+}PSPsPiPsC...PsP\gg P_{\mu}C\uparrow C,P_{\mu}C_{\eta}P\ddot{e}PSC\uparrow PiP\gg P^{\circ}P\cdot PjP\ddot{e}PrPs$
 $C...PsP\gg P_{\mu}C\uparrow C,P_{\mu}C_{\eta}P\ddot{e}PSC\uparrow P\gg C-PiPsPiC_{\eta}PsC,P_{\mu}C-PrC-PiPIP\ddot{e}C\uparrow PsPePsC-$
 $C\%C-P\gg CH\ddot{+}PSPsC\uparrow C,C-(P\gg P^{\circ}P\odot)6C-P\pm C-P\gg CH\ddot{+}C\epsilon P_{\mu},C\uparrow C-PjP_{\mu}PN_{\ddot{e}}PSP\ddot{e}PN_{\ddot{e}}P^{\circ}PSP^{\circ}PjPSP_{\mu}P\cdot$
 $C_{\eta}P^{\circ}PSPSCH\ddot{+}PsPiPsPIP\ddot{e}PSP\ddot{e}PePSP_{\mu}PSPSC\downarrow P\uparrow P\uparrow P\ddot{+}.$

$PhC\uparrow PSPsPIPSPsC_{\eta}PjP_{\mu}C,PsC_{\eta}PrPsC\uparrow P\gg C-PrP\uparrow P_{\mu}PSPSC\downarrow P\pm C\uparrow P\gg PsPsC\uparrow C-PSP\ddot{e}C,P\ddot{e}C,P^{\circ}$
 $PiPsC_{\eta}C-PIPS\downarrow C,P\ddot{e}PrPsPiPiPsC,C_{\eta}P\ddot{e}PIP^{\circ}P\gg C-PIPiP\gg P\ddot{e}PiP\ddot{e}PrPiPsC...C_{\eta}P_{\mu}P\uparrow P\ddot{e}PjC-Pi$
 $P^{\circ}PSC,P\ddot{e}PiC-PiP_{\mu}C_{\eta}C,P_{\mu}PSP\cdot P\ddot{e}PIPSsC-C,P_{\mu}C_{\eta}P^{\circ}PiC-C-PSP^{\circ}PePsPjP\pm C-PSPsPIP^{\circ}PSC\uparrow$
 $PeC-PSC\uparrow P_{\mu}PIC\uparrow C,PsC\ddot{+}PeC\uparrow\text{ в}\ddot{+}''PSP_{\mu}P\gg P_{\mu}C,P^{\circ}P\gg CH\ddot{+}PSP\ddot{e}PN_{\ddot{e}}C-PSC,,P^{\circ}C_{\eta}PeC,$
 $PjC-PsPeP^{\circ}C_{\eta}PrP^{\circ}(PIPeP\gg CH\ddot{+}P^{\circ}CH\ddot{+}P\ddot{e}P\pm P_{\mu}P\cdot C\uparrow P\ddot{e}PjPiC,PsPjPSP\ddot{e}PN_{\ddot{e}}C-PSC,,P^{\circ}C_{\eta}PeC,$
 $PjC-PsPeP^{\circ}C_{\eta}PrP^{\circ})C,P^{\circ}P\gg P_{\mu}C,P^{\circ}P\gg CH\ddot{+}PSC-C\uparrow C\uparrow PeP\gg P^{\circ}PrPSP_{\mu}PSPSC\downarrow C-C\epsilon P_{\mu}PjC-C\ddot{+}PSPsC-$
 $C...PIPsC_{\eta}PsP\pm P\ddot{e}C\uparrow P_{\mu}C_{\eta}C\uparrow C\downarrow(P\uparrow P\uparrow P\ddot{+}),\text{ в}\ddot{+}''P^{\circ}C\uparrow P^{\circ}PjP_{\mu}C,P_{\mu}C_{\eta}P^{\circ}PiC-C-$

P°PjP»PsPrPëPîC-PSPsPj Cí PePsPjP±C-PSP°C†C-C— P· PîPµCĤPëPSPrPsPîCĤPëP»PsPj, CĬPePëPNē PrPsPrP°PIP°PIC†CĬ Cí CĤP°P·C- PSPµPsP±C...C-PrPSPsC†C,C- P·PSPëP¶PµPSPSCĬ C,PëC†PeCí, PîPsCĤC-PIPSCĬPSPs P· C,PµCĤP°PîC-C”CĤ P°C,PµPSPsP»PsP»PsPj Cí PePsPjP±C-PSP°C†C-C— P· PrC-CíCĤPµC,PëPePsPj P±PµPSPrCĤPsC,,P»CíPjPµC,C-P°P·PëPrPsPj, C%Ps PrPsPrP°PIP°PIC†CĬ Cí CĤP°P·C- PSPµPsP±C...C-PrPSPsC†C,C- P·PSPëP¶PµPSPSCĬ C,PëC†PeCí.

PJ PeC-PSC†C- PrPsC†P»C-PrP¶PµPSPSCĬ P±C-P»CHC€C-C†C,CH PîP°C†C-C”PSC,C-PI (78 %, 14974 P· 19242) PsC,CĤPëPjCíPIP°P»Pë C%PsPSP°PNēPjPµPSC€Pµ PrPIP° P°PSC,PëPiC-PîPµCĤC,PµPSP·PëPIPS- P·P°C†PsP±Pë C- P»PëC€Pµ 15 % (1401 P· 9634) C,P° 9 % (857 P· 9608) PsC,CĤPëPjCíPIP°P»Pë PjPsPSPsC,PµCĤP°PîC-CĤ P°PjP»PsPrPëPîC-PSPsPj C,P° P°C,PµPSPsP»PsP»PsPj PIC-PrPîPsPIC-PrPSPs.

P”PsC†P»C-PrP¶PµPSPSCĬ P±CíP»Ps PrPsC†C,CĤPsPePsPIPs PîCĤPëPîPëPSPµPSPs PI C†PµCĤPµPrPSCĤPsPjCí C†PµCĤPµP· 5,5 CĤPsPeCí C†PîPsC†C,PµCĤPµP¶PµPSCĤ P·P° CĤC-C€PµPSPSCĬPj P P°PrPë P· PjPsPSC-C,PsCĤPëPSPiCí PrP°PSPëC... P· P±PµP·PîPµPePë (Data Safety Monitoring Board вĤ” DSMB), PsC†PeC-P»CHPePë C†PîPsC†C,PµCĤC-PîP°P»P°C†CĬ P·PSP°C†PSPs PIPëC%P° P»PµC,P°P»CHPSC-C†C,CH Cí PiCĤCíPîC-, PrPµ P·P°C†C,PsC†PsPICíPIP°P»P°C†CH C,PµCĤP°PîC-CĬ PSP° PsC†PSPsPIC- P°C,PµPSPsP»PsP»Cí, PîPsCĤC-PIPSCĬPSPs P· PiCĤCíPîPsCĤ P·P°C†C,PsC†CíPIP°PSPSCĬ P°PjP»PsPrPëPîC-PSCí.

P—P° CĤPµP·CíP»CHC,P°C,P°PjPë PrPsC†P»C-PrP¶PµPSPSCĬ PIC-PrP·PSP°C†P°P»PsC†CĬ PSPµPrPsC†C,PsPIC-CĤPSPµ P·PSPëP¶PµPSPSCĬ PîPµCĤPIPëPSPSPsC— PeC-PSC†PµPIPsC— C,PsC†PePë, C%Ps C†PeP»P°PrP°P»P°C†CĬ P· PSPµP»PµC,P°P»CHPSPsPiPs C-PSC,,P°CĤPeC,Cí PjC-PsPeP°CĤPrP° (PIPeP»CĤC†P°CĤC†Pë P±PµP·C†PëPjPîC,PsPjPSPëPNē C-PSC,,P°CĤPeC, PjC-PsPeP°CĤPrP°) C,P° P»PµC,P°P»CHPSPëC... CíC†PeP»P°PrPSPµPSCĤ C-C€PµPjC-C†PSPsC— C...PIPsCĤPsP±Pë C†PµCĤC†CĬ (P†PĬPŸ), PSP° 10 % Cí PiCĤCíPîC- PîP°C†C-C”PSC,C-PI, CĬPeC- P·P°C†C,PsC†PsPICíPIP°P»Pë PePsPjP±C-PSP°C†C-CĤ P°PjP»PsPrPëPîC-PS/PîPµCĤPëPSPrPsPîCĤPëP», PîPsCĤC-PIPSCĬPSPs P· PiCĤCíPîPsCĤ P°C,PµPSPsP»PsP»/P±PµPSPrCĤPsC,,P»CíPjPµC,C-P°P·PëPr. PhPrPSP°Pe C†PîPsC†C,PµCĤC-PîP°P»PsC†CĬ PrPsC†C,PsPIC-CĤPSPµ P·PSPëP¶PµPSPSCĬ PIC†C-C... PîPsPeP°P·PSPëPeC-PI PIC,PsCĤPëPSPSPëC... PeC-PSC†PµPIPëC... C,PsC†PsPe (P·P° PIPëPSCĬC,PePsPj P»PµC,P°P»CHPSPsC— C,P° PSPµP»PµC,P°P»CHPSPsC— C†PµCĤC†PµPIPsC— PSPµPrPsC†C,P°C,PSPsC†C,C-) Cí PiCĤCíPîC- PîP°C†C-C”PSC,C-PI, CĬPeC- PsC,CĤPëPjCíPIP°P»Pë P°PjP»PsPrPëPîC-PS/PîPµCĤPëPSPrPsPîCĤPëP».

PĤC-PSC†PµPIC- C,PsC†PePë

P’C,PsCĤPëPSPSC- PeC-PSC†PµPIC- C,PsC†PePë	P—PSPëP¶PµPSPSCĬ PIC-PrPSPsC†PSPsPiPs CĤPëP·PëPeCí	95 % P”P†	CĤ
PĤPµP»PµC,P°P»CHPSPëPNē C-PSC,,P°CĤPeC, PjC-PsPeP°CĤPrP° (PeCĤC-Pj P±PµP·C†PëPjPîC,PsPjPSPsPiPs) P»PµC,P°P»CHPSP° P†PĬPŸ	13 %	0,76вĤ”1,00	0,0458
P—P°PîP°P»CHPSP° PePsCĤPsPSP°CĤPSP° PeC-PSC†PµPIP° C,PsC†PeP°	13 %	0,79вĤ”0,96	0,007

P'C-PrP·PSP°C±P°C"C,CHCΓCЦ P»C-PSC-PMSPSP° P·P°P»PμP¶PSC-CΓC,CH PjC-P¶ PrPsP·PsCҺ PϊPμCҺPөPSPPrPsPιCҺPөP»Cр C- PMPsPiPs PePsPSC†PμPSC,CҺP°C†C-C"CҺ Cр PϊP»P°P·PjC- PeCҺPsPIC-. PhP±BҺ™ C"Pj CҺPsP·PιPsPrC-P»Cр PSPμP·PιBҺ™ CЦP·P°PSPsPiPs PϊPμCҺPөPSPPrPsPιCҺPөP»P°C,Cр CΓC,P°PSPsPIPөC,CH PιCҺPөP±P»PөP·PSPs 0,2 P»/PePi.

P—PιBҺ™ CЦP·CрPIP°PSPSCЦ PϊPμCҺPөPSPPrPsPιCҺPөP»P°C,Cр P· P±C-P»PeP°PjPө PϊP»P°P·PjPө CΓC,P°PSPsPIPөC,CH 20 %, PiPsP»PsPIPSPөPj C†PөPSPsPj P· P°PSPiC-PsC,PμPSP·PөPSPiPμCҺPμC,PIPsCҺCҺPIP°P»CHPSPөPj C„PμCҺPjPμPSC,PsPj, P°P»Pμ C†PμPNө PιPsPeP°P·PSPөPe C" PrPsP·PsP·P°P»PμP¶PSPөPj.

P'PөPIPμPrPμPSPSCЦ

PμPμCҺPөPSPPrPsPιCҺPөP»P°C, PIPөPIPsPrPөC,CHCΓCЦ C-P· CΓPμC†PμCҺ. PμPμCҺC-PsPr PsCΓC,P°C,PsC†PSPsPiPs PSP°PιC-PIPIPөPIPμPrPμPSPSCЦ PSPμP·PιBҺ™ CЦP·P°PSPsC— C„CҺP°PeC†C-C— CΓC,P°PSPsPIPөC,CH PιCҺPөP±P»PөP·PSPs 17 PiPsPrPөPS. PŸC,P°PrC-CЦ CҺC-PIPSPIP°P¶PSPsC— PePsPSC†PμPSC,CҺP°C†C-C— Cр PϊP»P°P·PjC- PeCҺPsPIC- PSP°CΓC,P°C" C†PμCҺPμP· 4 PrPSC- PIC-Pr PιPsC†P°C,PeCр P»C-PeCрPIP°PSPSCЦ.

P'PөPIPμPrPμPSPSCЦ PϊPμCҺPөPSPPrPsPιCҺPөP»P°C,Cр CрPιPsPIC-P»CHPSCҺC"C,CHCΓCЦ Cр PϊP°C†C-C"PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCр, P° C,P°PePsP¶ Cр PϊP°C†C-C"PSC,C-PI C-P· CΓPμCҺC†PμPIPsCҺ P°P±Ps PSPөCҺPePsPIPsCҺ PSPμPrPsCΓC,P°C,PSC-CΓC,CH (PrPөPI. CҺPsP·PrC-P» B«PhCΓPsP±P»PөPIPsCΓC,C- P·P°CΓC,PsCΓCрPIP°PSPSCЦB»). PŸPsPjCр P·PIPөC†P°PNөPSPμ PjPμPrPөC†PSPμ CΓPιPsCΓC,PμCҺPμP¶PμPSPSCЦ P±CрPrPμ PIPөP»CҺC†P°C,Pө C†P°CΓC,PөPNө PjPsPSC-C,PsCҺPөPSPi CҺC-PIPSCЦ PeCҺPμP°C,PөPSC-PSCр C,P° PeP°P»C-CҺ.

PμPμC†C-PSPePsPIP° PSPμPrPsCΓC,P°C,PSC-CΓC,CH

P"C-P°P»C-P·PSPөPNө PeP»C-CҺPμPSCΓ PϊPμCҺPөPSPPrPsPιCҺPөP»P°C,Cр BҺ" 70 PjP»/C...PI.

PлC-PSPμC,PөPeP° PϊPμCҺPөPSPPrPsPιCҺPөP»Cр P·PjC-PSCҺC"C,CHCΓCЦ Cз C...PIPsCҺPөC... PSP° C†PөCҺPsP· PϊPμC†C-PSPePө: PϊPμC†C-PSPePsPIPөPNө PeP»C-CҺPμPSCΓ PϊPμCҺPөPSPPrPsPιCҺPөP»Cр P·PjPμPSC€CрC"C,CHCΓCЦ PIPrPIC-C†C-. PhPrPSP°Pe PeC-P»CHPeC-CΓC,CH PϊPμCҺPөPSPPrPsPιCҺPөP»P°C,Cр, C%Ps CрC,PIPsCҺCҺC"C,CHCΓCЦ, PSPμ P·PjPμPSC€CрC"C,CHCΓCЦ. PhC,P¶Pμ, C,P°PePөPj C...PIPsCҺPөPj PSPμ PιPsC,CҺC-P±PSPs PePsCҺPөPιCрPIP°C,Pө PrPsP·Cр (PrPөPI. CҺPsP·PrC-P» B«PhCΓPsP±P»PөPIPsCΓC,C- P·P°CΓC,PsCΓCрPIP°PSPSCЦB»).

PhPjP»PsPrPөPiC-PS

PhP±CΓPsCҺP±C†C-CЦ, CҺPsP·PιPsPrC-P», P·PιBҺ™ CЦP·CрPIP°PSPSCЦ P· P±C-P»PeP°PjPө PϊP»P°P·PjPө

PμC-CΓP»CЦ PϊPμCҺPsCҺP°P»CHPSPsPiPs PιCҺPөPNөPsPjCр C,PμCҺP°PϊPμPIC,PөC†PSPөC... PrPsP· P°PjP»PsPrPөPιC-PSCр PIC-PS PrPsP±CҺPμ PICΓPjPsPeC,CрC"C,CHCΓCЦ C- PrPsCΓCЦPiP°C" PjP°PeCΓPөPjP°P»CHPSPsC— PePsPSC†PμPSC,CҺP°C†C-C— Cр PeCҺPsPIC- C†PμCҺPμP· 6BҺ"12 PiPsPrPөPS PιC-CΓP»CЦ PιCҺPөPNөPsPjCр. PhP±CΓPsP»CҺC,PSP° P±C-PsPrPsCΓC,CрPιPSC-CΓC,CH CΓC,P°PSPsPIPөC,CH PIC-Pr 64 PrPs 80 %. PhP±BҺ™ C"Pj CҺPsP·PιPsPrC-P»Cр CΓC,P°PSPsPIPөC,CH PιCҺPөP±P»PөP·PSPs 21 P»/PePi. P"PсCΓP»C-PrP¶PμPSPSCЦ in vitro PιCҺPsPrPμPjPsPSCΓC,CҺCрPIP°P»Pө, C%Ps PιCҺPөP±P»PөP·PSPs 97,5 % C†PөCҺPeCрP»CҺCҺC†PsPiPs PI PeCҺPsPIC- P°PjP»PsPrPөPιC-PSCр P·PιBҺ™ CЦP·CрC"C,CHCΓCЦ P· P±C-P»PeP°PjPө PϊP»P°P·PjPө.

PuPsPIeH™ CUP·P°PSC- P· PiPμCηPēPSPτPsPiCηPēP»PsPj:

- $\text{P}^{\circ}\text{C}-\text{PrPIP}\ddot{\text{C}}\%_{\text{P}\mu}\text{PSP}^{\circ}\text{C}\ddagger\text{C}\acute{\text{r}}\text{C},\text{P}\gg\text{P}\ddot{\text{E}}\text{PIC}-\text{C}\acute{\text{r}}\text{C},\text{C}\text{H}\text{ PrPs PiP}\mu\text{C}\ddot{\text{H}}\text{P}\ddot{\text{E}}\text{SPPrPsPiC}\ddot{\text{H}}\text{P}\ddot{\text{E}}\text{P}\gg\text{C}\acute{\text{r}}\text{ P}^{\circ}\text{P}\pm\text{Ps PrPs P}\pm\text{C}\acute{\text{r}}\text{PrC}\text{H}-\text{C}\ddot{\text{I}}\text{PePeC}\dots\text{C}-\text{PSC}\epsilon\text{PeC}\dots\text{C}-\text{PSPiC}-\text{P}\pm\text{C}-\text{C},\text{PsC}\ddot{\text{H}}\text{C}-\text{PI P}\text{hP}\mu\text{P}\alpha;$
- $\text{P}^{\circ}\text{PSPiC}-\text{PsPSP}\mu\text{PIC}\ddot{\text{H}}\text{PsC},\text{P}\ddot{\text{E}}\text{C}\ddagger\text{PSP}\ddot{\text{E}}\text{PN}\ddot{\text{E}}\text{ PSP}^{\circ}\text{P}\pm\text{C}\ddot{\text{H}}\text{C}\ddot{\text{I}}\text{Pe PI P}^{\circ}\text{PSP}^{\circ}\text{PjPSP}\mu\text{P}\cdot\text{C}-,\text{PiPsPi}\text{b}\ddot{\text{H}}^{\text{TM}}\text{C}\ddot{\text{I}}\text{P}\cdot\text{P}^{\circ}\text{PSP}\ddot{\text{E}}\text{PN}\ddot{\text{E}}\text{ P}\cdot\text{PiPsPiP}\mu\text{C}\ddot{\text{H}}\text{P}\mu\text{PrPSC}-\text{Pj P}\gg\text{C}-\text{PeC}\acute{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\ddot{\text{I}}\text{Pj C}-\text{PSPiC}-\text{P}\pm\text{C}-\text{C},\text{PsC}\ddot{\text{H}}\text{P}^{\circ}\text{PjP}\ddot{\text{E}}\text{ P}\text{hP}\mu\text{P}\alpha;$
- $\text{C}\acute{\text{r}}\text{C}\ddot{\text{H}}\text{PsPrP}\P\mu\text{PSP}\ddot{\text{E}}\text{PN}\ddot{\text{E}}\text{ P}^{\circ}\text{P}\pm\text{Ps C}-\text{PrC}-\text{PsPiP}^{\circ}\text{C},\text{P}\ddot{\text{E}}\text{C}\ddagger\text{PSP}\ddot{\text{E}}\text{PN}\ddot{\text{E}}\text{ P}^{\circ}\text{PSPiC}-\text{PsPSP}\mu\text{PIC}\ddot{\text{H}}\text{PsC},\text{P}\ddot{\text{E}}\text{C}\ddagger\text{PSP}\ddot{\text{E}}\text{PN}\ddot{\text{E}}\text{ PSP}^{\circ}\text{P}\pm\text{C}\ddot{\text{H}}\text{C}\ddot{\text{I}}\text{Pe};$
- $\text{PIP}^{\circ}\text{PiC}-\text{C},\text{PSC}-\text{C}\acute{\text{r}}\text{C},\text{C}\text{H}\text{ P}^{\circ}\text{P}\pm\text{Ps PiP}\gg\text{P}^{\circ}\text{PSC}\acute{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\ddot{\text{I}}\text{ PIP}^{\circ}\text{PiC}-\text{C},\text{PSPsC}\acute{\text{r}}\text{C},\text{C}-\text{(PrP}\ddot{\text{E}}\text{PI. C}\ddot{\text{H}}\text{PsP}\cdot\text{PrC}-\text{P}\gg\text{B}\langle\text{P}-\text{P}^{\circ}\text{C}\acute{\text{r}}\text{C},\text{PsC}\acute{\text{r}}\text{C}\acute{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\ddot{\text{I}}\text{ C}\acute{\text{r}}\text{ PiP}\mu\text{C}\ddot{\text{H}}\text{C}-\text{PsPr PIP}^{\circ}\text{PiC}-\text{C},\text{PSPsC}\acute{\text{r}}\text{C},\text{C}-\text{P}^{\circ}\text{P}\pm\text{Ps PiPsPrC}\acute{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\ddot{\text{I}}\text{ PiC}\ddot{\text{H}}\text{C}\acute{\text{r}}\text{PrPrC}\text{H}\text{B}\gg\text{)};$
- $\text{PsPrPSPsC}\ddagger\text{P}^{\circ}\text{C}\acute{\text{r}}\text{PSP}\mu\text{ P}\cdot\text{P}^{\circ}\text{C}\acute{\text{r}}\text{C},\text{PsC}\acute{\text{r}}\text{C}\acute{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\ddot{\text{I}}\text{ P}\cdot\text{P}\gg\text{C}-\text{PeP}^{\circ}\text{C}\ddot{\text{H}}\text{C}\acute{\text{r}}\text{C}\text{H}\text{PeP}\ddot{\text{E}}\text{PjP}\ddot{\text{E}}\text{ P}\cdot\text{P}^{\circ}\text{C}\acute{\text{r}}\text{PsP}\pm\text{P}^{\circ}\text{PjP}\ddot{\text{E}},\text{C}\ddot{\text{I}}\text{PeC}-\text{PjC}-\text{C}\acute{\text{r}}\text{C},\text{C}\ddot{\text{I}}\text{C},\text{C}\text{H}\text{ PrC}-\text{C}\text{H}\text{C}\ddagger\text{C}\acute{\text{r}}\text{ C}\ddot{\text{H}}\text{P}\mu\text{C}\ddagger\text{PsPIP}\ddot{\text{E}}\text{PSC}\acute{\text{r}}\text{ P}^{\circ}\text{P}\gg\text{C}-\text{C}\acute{\text{r}}\text{PeC}-\text{C}\ddot{\text{H}}\text{P}\mu\text{PS},\text{PiP}^{\circ}\text{C}\ddagger\text{C}-\text{C}^{\circ}\text{PSC},\text{P}^{\circ}\text{Pj P}\cdot\text{C}\ddagger\text{C}\acute{\text{r}}\text{PeC}\ddot{\text{H}}\text{PsPIP}\ddot{\text{E}}\text{Pj PrC}-\text{P}^{\circ}\text{P}\pm\text{P}\mu\text{C},\text{PsPj P}^{\circ}\text{P}\pm\text{Ps PSP}\ddot{\text{E}}\text{C}\ddot{\text{H}}\text{PePsPIPsC}\text{H}\text{ PSP}\mu\text{PrPsC}\acute{\text{r}}\text{C},\text{P}^{\circ}\text{C},\text{PSC}-\text{C}\acute{\text{r}}\text{C},\text{C}\text{H}\text{ (C}\epsilon\text{PIP}\ddot{\text{E}}\text{PrPeC}-\text{C}\acute{\text{r}}\text{C},\text{C}\text{H}\text{ PeP}\gg\text{C}\acute{\text{r}}\text{P}\pm\text{PsC}\ddagger\text{PePsPIPsC}-\text{C}\text{H}\text{C}-\text{P}\gg\text{C}\text{H}\text{C},\text{C}\ddot{\text{H}}\text{P}^{\circ}\text{C}\ddagger\text{C}-\text{C}-\text{< }60\text{ PjP}\gg\text{C}\dots\text{PI}/1,73\text{ Pj}^2\text{)}\text{ (PrP}\ddot{\text{E}}\text{PI. C}\ddot{\text{H}}\text{PsP}\cdot\text{PrC}-\text{P}\gg\text{B}\langle\text{P}\cdot\text{P}^{\circ}\text{C}^{\circ}\text{PjPsPrC}-\text{C}\ddot{\text{I}}\text{ P}\cdot\text{C}-\text{PSC}\epsilon\text{PePjP}\ddot{\text{E}}\text{ P}\gg\text{C}-\text{PeP}^{\circ}\text{C}\ddot{\text{H}}\text{C}\acute{\text{r}}\text{C}\text{H}\text{PeP}\ddot{\text{E}}\text{PjP}\ddot{\text{E}}\text{ P}\cdot\text{P}^{\circ}\text{C}\acute{\text{r}}\text{PsP}\pm\text{P}^{\circ}\text{PjP}\ddot{\text{E}}\text{ C},\text{P}^{\circ}\text{C}-\text{PSC}\epsilon\text{C}-\text{PIP}\ddot{\text{E}}\text{PrP}\ddot{\text{E}}\text{ PIP}\cdot\text{P}^{\circ}\text{C}^{\circ}\text{PjPsPrC}-\text{PN}\ddot{\text{E}}\text{B}\gg\text{)};$
- $\text{PsPrPSPsC}\ddagger\text{P}^{\circ}\text{C}\acute{\text{r}}\text{PSP}\mu\text{ P}\cdot\text{P}^{\circ}\text{C}\acute{\text{r}}\text{C},\text{PsC}\acute{\text{r}}\text{C}\acute{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\ddot{\text{I}}\text{ P}\cdot\text{C}\acute{\text{r}}\text{P}^{\circ}\text{PeC}\acute{\text{r}}\text{P}\pm\text{C}-\text{C},\text{C}\ddot{\text{H}}\text{P}\ddot{\text{E}}\text{P}\gg\text{PsPj/PIP}^{\circ}\text{P}\gg\text{C}\acute{\text{r}}\text{P}^{\circ}\text{C}\ddot{\text{H}}\text{C},\text{P}^{\circ}\text{PSPsPj. P}\text{hP}\text{H}-\text{P}\text{hP}\gg\text{P}\ddagger\text{P}\ddot{\text{Y}}\text{P}\cdot\text{P}\text{ PSP}\mu\text{ P}\cdot\text{P}^{\circ}\text{C}\acute{\text{r}}\text{C},\text{PsC}\acute{\text{r}}\text{PsPIC}\acute{\text{r}}\text{PIP}^{\circ}\text{C},\text{P}\ddot{\text{E}}\text{ C}\ddot{\text{H}}\text{P}^{\circ}\text{PSC}-\text{C}\epsilon\text{P}\mu\text{ PSC}-\text{P}\P\text{ C}\ddagger\text{P}\mu\text{C}\ddot{\text{H}}\text{P}\mu\text{P}\cdot\text{36 PiPsPrP}\ddot{\text{E}}\text{PS PiC}-\text{C}\acute{\text{r}}\text{P}\gg\text{C}\ddot{\text{I}}\text{ PiC}\ddot{\text{H}}\text{P}\ddot{\text{E}}\text{PN}\ddot{\text{E}}\text{PsPjC}\acute{\text{r}}\text{ PsC}\acute{\text{r}}\text{C},\text{P}^{\circ}\text{PSPSCH}\text{PsC}-\text{PrPsP}\cdot\text{P}\ddot{\text{E}}\text{ C}\acute{\text{r}}\text{P}^{\circ}\text{PeC}\acute{\text{r}}\text{P}\pm\text{C}-\text{C},\text{C}\ddot{\text{H}}\text{P}\ddot{\text{E}}\text{P}\gg\text{C}\acute{\text{r}}\text{PIP}^{\circ}\text{P}\gg\text{C}\acute{\text{r}}\text{P}^{\circ}\text{C}\ddot{\text{H}}\text{C},\text{P}^{\circ}\text{PSC}\acute{\text{r}}\text{ (PrP}\ddot{\text{E}}\text{PI. C}\ddot{\text{H}}\text{PsP}\cdot\text{PrC}-\text{P}\gg\text{P}\ddot{\text{E}}\text{ B}\langle\text{P}\text{hC}\acute{\text{r}}\text{PsP}\pm\text{P}\gg\text{P}\ddot{\text{E}}\text{PIPsC}\acute{\text{r}}\text{C},\text{C}-\text{P}\cdot\text{P}^{\circ}\text{C}\acute{\text{r}}\text{C},\text{PsC}\acute{\text{r}}\text{C}\acute{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\ddot{\text{I}}\text{B}\gg\text{ C}-\text{B}\langle\text{P}\cdot\text{P}^{\circ}\text{C}^{\circ}\text{PjPsPrC}-\text{C}\ddot{\text{I}}\text{ P}\cdot\text{C}-\text{PSC}\epsilon\text{PePjP}\ddot{\text{E}}\text{ P}\gg\text{C}-\text{PeP}^{\circ}\text{C}\ddot{\text{H}}\text{C}\acute{\text{r}}\text{C}\text{H}\text{PeP}\ddot{\text{E}}\text{PjP}\ddot{\text{E}}\text{ P}\cdot\text{P}^{\circ}\text{C}\acute{\text{r}}\text{PsP}\pm\text{P}^{\circ}\text{PjP}\ddot{\text{E}}\text{ C},\text{P}^{\circ}\text{C}-\text{PSC}\epsilon\text{C}-\text{PIP}\ddot{\text{E}}\text{PrP}\ddot{\text{E}}\text{ PIP}\cdot\text{P}^{\circ}\text{C}^{\circ}\text{PjPsPrC}-\text{PN}\ddot{\text{E}}\text{B}\gg\text{)};$
- $\text{P}\mu\text{PeC}\acute{\text{r}}\text{C},\text{C}\ddot{\text{H}}\text{P}^{\circ}\text{PePsC}\ddot{\text{H}}\text{PiPsC}\ddot{\text{H}}\text{P}^{\circ}\text{P}\gg\text{C}\text{H}\text{PSC}-\text{PjP}\mu\text{C},\text{PsPrP}\ddot{\text{E}}\text{ P}\gg\text{C}-\text{PeC}\acute{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\ddot{\text{I}}\text{, C}\ddot{\text{I}}\text{PeC}-\text{PiC}\ddot{\text{H}}\text{P}\ddot{\text{E}}\text{P}\cdot\text{PIPsPrC}\ddot{\text{I}}\text{C},\text{C}\text{H}\text{ PrPs PePsPSC},\text{P}^{\circ}\text{PeC},\text{C}\acute{\text{r}}\text{ PeC}\ddot{\text{H}}\text{PsPIC}-\text{P}\cdot\text{PSP}\mu\text{PiP}^{\circ}\text{C},\text{P}\ddot{\text{E}}\text{PIPsP}\text{ P}\cdot\text{P}^{\circ}\text{C}\ddot{\text{H}}\text{C}\ddot{\text{I}}\text{PrP}\P\mu\text{PSP}\ddot{\text{E}}\text{PjP}\ddot{\text{E}}\text{ PiPsPIP}\mu\text{C}\ddot{\text{H}}\text{C}\dots\text{PSC}\ddot{\text{I}}\text{PjP}\ddot{\text{E}}\text{ (PrP}\ddot{\text{E}}\text{PI. C}\ddot{\text{H}}\text{PsP}\cdot\text{PrC}-\text{P}\gg\text{B}\langle\text{P}\cdot\text{P}^{\circ}\text{C}^{\circ}\text{PjPsPrC}-\text{C}\ddot{\text{I}}\text{ P}\cdot\text{C}-\text{PSC}\epsilon\text{PePjP}\ddot{\text{E}}\text{ P}\gg\text{C}-\text{PeP}^{\circ}\text{C}\ddot{\text{H}}\text{C}\acute{\text{r}}\text{C}\text{H}\text{PeP}\ddot{\text{E}}\text{PjP}\ddot{\text{E}}\text{ P}\cdot\text{P}^{\circ}\text{C}\acute{\text{r}}\text{PsP}\pm\text{P}^{\circ}\text{PjP}\ddot{\text{E}}\text{ C},\text{P}^{\circ}\text{C}-\text{PSC}\epsilon\text{C}-\text{PIP}\ddot{\text{E}}\text{PrP}\ddot{\text{E}}\text{ PIP}\cdot\text{P}^{\circ}\text{C}^{\circ}\text{PjPsPrC}-\text{PN}\ddot{\text{E}}\text{B}\gg\text{)};$
- $\text{P}\cdot\text{PSP}^{\circ}\text{C}\ddagger\text{PSP}\ddot{\text{E}}\text{PN}\ddot{\text{E}}\text{ PrPIPsP}\pm\text{C}-\text{C}\ddagger\text{PSP}\ddot{\text{E}}\text{PN}\ddot{\text{E}}\text{ C}\acute{\text{r}}\text{C},\text{P}\mu\text{PSPsP}\cdot\text{PSP}\ddot{\text{E}}\text{C}\ddot{\text{H}}\text{PePsPIP}\ddot{\text{E}}\text{C}\dots\text{P}^{\circ}\text{C}\ddot{\text{H}}\text{C},\text{P}\mu\text{C}\ddot{\text{H}}\text{C}-\text{PN}\ddot{\text{E}}\text{ P}^{\circ}\text{P}\pm\text{Ps C}\acute{\text{r}}\text{C},\text{P}\mu\text{PSPsP}\cdot\text{P}^{\circ}\text{C}\ddot{\text{H}}\text{C},\text{P}\mu\text{C}\ddot{\text{H}}\text{C}-\text{C}-\text{C}^{\circ}\text{PrP}\ddot{\text{E}}\text{PSPsC}-\text{C}\text{H}\text{C}\ddagger\text{PSPeC}\ddagger\text{C}-\text{PsPSC}\acute{\text{r}}\text{C}\text{H}\text{C}\ddagger\text{PsC}-\text{PSP}\ddot{\text{E}}\text{C}\ddot{\text{H}}\text{PeP}\ddot{\text{E}}\text{ (PrP}\ddot{\text{E}}\text{PI. C}\ddot{\text{H}}\text{PsP}\cdot\text{PrC}-\text{P}\gg\text{B}\langle\text{P}\text{hC}\acute{\text{r}}\text{PsP}\pm\text{P}\gg\text{P}\ddot{\text{E}}\text{PIPsC}\acute{\text{r}}\text{C},\text{C}-\text{P}\cdot\text{P}^{\circ}\text{C}\acute{\text{r}}\text{C},\text{PsC}\acute{\text{r}}\text{C}\acute{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\ddot{\text{I}}\text{B}\gg\text{)}.$

$\text{P}\mu\text{PsPi}\text{b}\ddot{\text{H}}^{\text{TM}}\text{C}\ddot{\text{I}}\text{P}\cdot\text{P}^{\circ}\text{PSC}-\text{P}\cdot\text{P}^{\circ}\text{PjP}\gg\text{PsPrP}\ddot{\text{E}}\text{PiC}-\text{PSPsPj};$

- $\text{C},\text{C}\ddot{\text{I}}\text{P}\P\text{PeP}^{\circ}\text{ P}^{\circ}\text{C}\ddot{\text{H}}\text{C},\text{P}\mu\text{C}\ddot{\text{H}}\text{C}-\text{P}^{\circ}\text{P}\gg\text{C}\text{H}\text{PSP}^{\circ}\text{ PiC}-\text{PiPsC},\text{P}\mu\text{PSP}\cdot\text{C}-\text{C}\ddot{\text{I}};$
- $\text{PiC}-\text{PrPIP}\ddot{\text{E}}\text{C}\%_{\text{P}\mu}\text{PSP}^{\circ}\text{C}\ddagger\text{C}\acute{\text{r}}\text{C},\text{P}\gg\text{P}\ddot{\text{E}}\text{PIC}-\text{C}\acute{\text{r}}\text{C},\text{C}\text{H}\text{ PrPs P}^{\circ}\text{PjP}\gg\text{PsPrP}\ddot{\text{E}}\text{PiC}-\text{PSC}\acute{\text{r}}\text{ P}^{\circ}\text{P}\pm\text{Ps PrPs PiPsC}\dots\text{C}-\text{PrPSP}\ddot{\text{E}}\text{C}\dots\text{PrP}\ddot{\text{E}}\text{PiC}-\text{PrC}\ddot{\text{H}}\text{PsPiC}-\text{C}\ddot{\text{H}}\text{P}\ddot{\text{E}}\text{PrP}\ddot{\text{E}}\text{PSC}\acute{\text{r}};$
- $\text{C}\epsilon\text{PsPe},\text{PIPeP}\gg\text{C}\text{H}\text{C}\ddagger\text{P}^{\circ}\text{C}\text{H}\text{C}\ddagger\text{P}\ddot{\text{E}}\text{ PeP}^{\circ}\text{C}\ddot{\text{H}}\text{PrC}-\text{PsPiP}\mu\text{PSPSP}\ddot{\text{E}}\text{PN}\ddot{\text{E}}\text{ C}\epsilon\text{PsPe};$
- $\text{PsP}\pm\text{C}\acute{\text{r}}\text{C},\text{C}\ddot{\text{H}}\text{C}\acute{\text{r}}\text{PeC}\ddagger\text{C}-\text{C}\ddot{\text{I}}\text{ PIP}\ddot{\text{E}}\text{C}\dots\text{PsPrC}\acute{\text{r}}\text{ P}\cdot\text{P}\gg\text{C}-\text{PIPsPiPs C}\epsilon\text{P}\gg\text{C}\acute{\text{r}}\text{PSPsC}\ddagger\text{PeP}^{\circ}\text{ (PSP}^{\circ}\text{PiC}\ddot{\text{H}}\text{P}\ddot{\text{E}}\text{PeP}\gg\text{P}^{\circ}\text{Pr},\text{C}\acute{\text{r}}\text{C},\text{P}\mu\text{PSPsP}\cdot\text{P}^{\circ}\text{PsC}\ddot{\text{H}}\text{C},\text{P}\ddot{\text{E}}\text{ C},\text{C}\ddot{\text{I}}\text{P}\P\text{PePsPiPs C}\acute{\text{r}}\text{C},\text{C}\acute{\text{r}}\text{PiP}\mu\text{PSC}\ddot{\text{I}});$

PhPrPSPsC†P°C†PSPµ P·P°C†C,PsC†C†PIP°PSPSC¶ C-PSPiC-P±C-C,PsC¶C-PI PhPµPα P·C¶P°C†PµPeP°PrPsC,C¶PëP»PsPj, C-PSPiC-P±C-C,PsC¶P°PjPë mTOR, (PSP°PiC¶PëPeP»P°P†C†PëC¶PsP»C-PjC†C†PsPj, PuPIPuC¶PsP»C-PjC†C†PsPj, C,PuPjC†PëC¶PsP»C-PjC†C†PsPj) C,P°

PiP»C-PiC,PëPSP°PjPë (PSP°PiCḡPëPeP»P°Pr P»C-PSP°PiP»C-PiC,PëPSPsPj,
CḡP°PeCḡP°PiP»C-PiC,PëPSPsPj, CḡPëC,P°PiP»C-PiC,PëPSPsPj,
PIC-P»CHPrP°PiP»C-PiC,PëPSPsPj) PjPsPḡPḡ PiCḡPëP·PIPḡCḡC,Pë PrPs
PiC-PrPIPëC%PḡPSPSCḡ CḡPëP·PëPeCḡ CḡPsP·PIPëC,PëCḡ
P°PSPiC-PsPSPḡPICḡPsC,PëCḡPSPsPiPs PSP°P±CḡCḡPëCḡ (PrPëPI. CḡPsP·PrC-P»
B«PhCḡPsP±P»PëPIPsCḡC,C- P·P°CḡC,PsCḡCḡPIP°PSPSCḡB»).

*P»C-PeP°CḡCḡCHPeC- P·P°CḡPsP±Pë, C%Ps CḡPiCḡPëCḡPëPSCḡCḡC,CH
PiC-PiPḡCḡPeP°P»C-C"ḡPjC-Cḡ. P C-PIPḡPSCḡ PeP°P»C-Cḡ PI CḡPëCḡPsPIP°C,CḡC-
PeCḡPsPIC- P·P°P·PIPëCḡP°Pḡ P·P°P»PëCḡP°C"ḡC,CHCḡCḡ Cḡ PjPḡPḡP°C... PSPsCḡPjPë,
P°P»Pḡ Cḡ PrPḡCḡPëPëC... PiP°CḡC-C"ḡPSC,C-PI, CḡPeC- P·P°CḡC,PsCḡPsPICḡCḡC,CH
P»C-PeP°CḡCḡCHPePëPḡ P·P°CḡC-P± PhPḡ-PhP·PḡPḡP·P , PjPsPḡPḡ
PIPëPSPëPePSCḡC,Pë PiC-PiPḡCḡPeP°P»C-C"ḡPjC-Cḡ. P"ḡPḡCḡPeC- P»C-PeP°CḡCḡCHPeC-
P·P°CḡPsP±Pë P°P±Ps C,PḡCḡP°PiPḡPIC,PëCḡPSC- PeP»P°CḡPë P»C-PeP°CḡCḡCHPePëC...
P·P°CḡPsP±C-PI PjPsPḡCḡC,CH CḡPiCḡPëCḡPëPSPëC,Pë PiC-PiPḡCḡPeP°P»C-C"ḡPjC-Cḡ, P°
CḡP°PjPḡ: P°P»C-CḡPeC-CḡPḡPS, CḡPsP»C- PeP°P»C-Cḡ, PeP°P»C-PḡP·P±PḡCḡ-PiP°CḡCḡC-
PrC-CḡCḡPḡC,PëPePë (PSP°PiCḡPëPeP»P°Pr CḡPiC-CḡPsPSPsP»P°PeC,PsPS,
C,CḡPëP°PjC,PḡCḡPḡPS P°P±Ps P°PjC-P»PsCḡPëPr), C-PSPiC-P±C-C,PsCḡPë PhPḡPḡ,
P°PSC,P°PiPsPSC-CḡC,Pë CḡPḡCḡPḡPiC,PsCḡC-PI P°PSPiC-PsC,PḡPSP·PëPSCḡ PḡPḡ,
PSPḡCḡC,PḡCḡPsC-PrPSC- PiCḡPsC,PëP·P°PiP°P»CHPSC- P·P°CḡPsP±Pë (PḡPḡP-P-),
PiPḡPiP°CḡPëPSPë, C-PjCḡPSPsCḡCḡPiCḡPḡCḡPsCḡPë, C,P°PeC- CḡPe
CḡPëPeP»PsCḡPiPsCḡPëPS P°P±Ps C,P°PeCḡPsP»C-PjCḡCḡ, C,CḡPëPjPḡC,PsPiCḡPëPj
C,P° PePs-C,CḡPëPjPsPeCḡP°P·PsP»
(C,CḡPëPjPḡC,PsPiCḡPëPj/CḡCḡP»CHC,,P°PjPḡC,PsPeCḡP°P·PsP»), PsCḡPeC-P»CHPePë
C,CḡPëPjPḡC,PsPiCḡPëPj PrC-C"ḡ CḡPe PeP°P»C-PḡP·P±PḡCḡ-PiP°CḡCḡPëPḡ
PrC-CḡCḡPḡC,PëPe, PiPsPrC-P±PSPs PrPs P°PjC-P»PsCḡPëPrCḡ. PhPrPSPsCḡP°CḡPSPëPḡ
PiCḡPëPḡPsPj PIPeP°P·P°PSPëC... P»C-PeP°CḡCḡCHPePëC... P·P°CḡPsP±C-PI
PiC-PrPIPëC%CḡC"ḡ CḡPëP·PëPe PIPëPSPëPePSPḡPSPSCḡ PiC-PiPḡCḡPeP°P»C-C"ḡPjC-C—.
PḡPsPjCḡ PsPrPSPsCḡP°CḡPSPḡ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ P»C-PeP°CḡCḡCHPePsPiPs
P·P°CḡPsP±Cḡ PhPḡ-PhP·PḡPḡP·P P· PIPëC%PḡP·P°P·PSP°CḡPḡPSPëPjPë
P»C-PeP°CḡCḡCHPePëPjPë P·P°CḡPsP±P°PjPë PSPḡ CḡPḡPePsPjPḡPSPPrPsPIP°PSPs. PiPeC%Ps
PsPrPSPsCḡP°CḡPSPḡ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ CḡPëC... CḡPḡCḡPsPIPëPS C"
PSPḡPsP±C...C-PrPSPëPj, C—C... CḡP»C-Pr P·P°CḡC,PsCḡPsPICḡPIP°C,Pë P·
PsP±PḡCḡPḡPḡPSC-CḡC,Cḡ C,P° PiCḡPsPIPPrPëC,Pë CḡP°CḡC,PëPḡ PjPsPSC-C,PsCḡPëPSPi
PeP°P»C-Cḡ Cḡ CḡPëCḡPsPIP°C,CḡC- PeCḡPsPIC-.*

*PhPrPSPsCḡP°CḡPSPḡ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ PiCḡPsC,PëPiPsPeP°P·P°PSPs
(PrPëPI. CḡPsP·PrC-P» B«PḡCḡPsC,PëPiPsPeP°P·P°PSPSCḡB»)*

*PhP»C-CḡPeC-CḡPḡPS. Pj PiP°CḡC-C"ḡPSC,C-PI, C...PiPsCḡPëC... PSP° CḡCḡPeCḡPsPIPëPḡ
PrC-P°P±PḡC,, P°P±Ps PiP°CḡC-C"ḡPSC,C-PI P· PiPsCḡCḡCḡPḡPSPsCḡ C,,CḡPSPeCḡC-C"ḡCḡ
PSPëCḡPsPe CḡPëP·PëPe PIPëPSPëPePSPḡPSPSCḡ PiC-PiPḡCḡPeP°P»C-C"ḡPjC-C—,
PiPsPiC-CḡCḡPḡPSPSCḡ C,,CḡPSPeCḡC-C— PSPëCḡPsPe C,P°
PeP°CḡPrC-PsPIP°CḡPeCḡP»CḡCḡPSPsC— P·P°C...PiPsCḡCḡPIP°PSPsCḡC,C- C-
P»PḡC,P°P»CHPSPsCḡC,C- PiC-PrPIPëC%CḡC"ḡC,CHCḡCḡ.*

*P·PeCḡC,CḡP°PePsCḡPiPsCḡP°P»CHPSC- PjPḡC,PsPrPë P»C-PeCḡPIP°PSPSCḡ.
P·PeCḡC,CḡP°PePsCḡPiPsCḡP°P»CHPSC- PjPḡC,PsPrPë P»C-PeCḡPIP°PSPSCḡ, CḡPeC-
PiCḡPëP·PiPsPrCḡC,CH PrPs PePsPSC,P°PeC,Cḡ PeCḡPsPIC- P· PSPḡPiP°C,PëPIPSPs
P·P°CḡCḡPrPḡPḡPSPëPjPë PiPsPIPḡCḡC...PSCḡPjPë, C,P°PeC- CḡPe PrC-P°P»C-P.*

P°P±Ps PiPμPjPsC,,C-P»CHBC,CTHP°CTC-CΠ C-P· PIPëPePsCTHPëCÍC,P°PSPSCΠPj
PïPμPIPPSPëC... PjPμPjP±CTHP°PS C-P· PIPëCÍPsPePsCTH PiC-PrCTHP°PIP»C-C±PSPsCTH
PïCTHPsPSPëPePSC-CÍC,CTH (PSP°PïCTHPëPeP»P°Pr,
PïPsP»C-P°PeCTHPëP»PsPSC-C,CTHPëP»PsPIPëC...) C,P° P°C,,PμCTHPμP·
P»C-PiPsPiCTHPsC,PμC—PrC-PI PSPëP·CHPePsC— C%OC-P»CHBPSPsCÍC,C- C-P·
P·P°CÍC,PsCÍCÍPIP°PSPSCΠPj PrPμPeCÍC,CTHP°PSCÍ CÍCÍP»CHBC,,P°C,CÍ,
PïC-PrPIPëC%OCÍCTH,C,H CTHPëP·PëPe CTHPsP·PIPëC,PeCÍ
P°PSP°C,,C-P»P°PeC,PsC—PrPSPëC... CTHPμP°PeC†C-PNë C,CΠP¶PePsPiPs
CÍC,CÍPïPμPSCΠ (PrPëPI. CTHPsP·PrC-P» B«PμCTHPsC,PëPïPsPeP°P·P°PSPSCΠB»). PJ
CTHP°P·C- PSPμPsP±C...C-PrPSPsCÍC,C- PïCTHPsPIPμPrPμPSPSCΠ C,P°PePsPiPs
P»C-PeCÍPIP°PSPSCΠ CÍP»C-Pr CTHPsP·PiP»CΠPSCÍC,Pë PjPsP¶P»PëPIC-CÍC,CH
PIPëPePsCTHPëCÍC,P°PSPSCΠ PrC-P°P»C-P·PSPsC— PjPμPjP±CTHP°PSPë C-PSC€PsPiPs
C,PëPiCÍ P°P±Ps P·P°CÍC,PsCÍCÍPIP°PSPSCΠ C-PSC€PsPiPs PeP»P°CÍCÍ
P°PSC,PëPiC-PiPμCTHC,PμPSP·PëPIPPSPëC... P·P°CÍPsP±C-PI.

PkPμ CTHPμPePsPjPμPSPrC¿C,,CHCÍCΠ PsPrPSPsC±P°CÍPSPμ P·P°CÍC,PsCÍC¿PIP°PSPSCΠ
(PrPëPI. CTHPsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍC¿PIP°PSPSCΠB»)

PñP»C-CÍPeC-CTHPμPS. PJ P±CÍPrCH-CΠPePëC... C-PSC€PëC... PïP°CTC-C''PSC,C-PI, CΠPe C- CÍ
C...PIPsCTHPëC... PSP° C†CÍPeCTHPsPIPëPNë PrC-P°P±PμC, P°P±Ps PïP°CTC-C''PSC,C-PI P·
PïPsCTHCÍC€PμPSPsCTH C,,CÍPSPeC†C-C''CTH PSPëCTHPsPe, CTHPëP·PëPe PIPëPSPëPePSPμPSPSCΠ
PiC-PiPμCTHPeP°P»C-C''PjC-C—, PïPsPiC-CTHC€PμPSPSCΠ C,,CÍPSPeC†C-C— PSPëCTHPsPe C,P°
PeP°CTHPrC-PsPIP°CÍPeCÍP»CΠCTHPSPsC— P·P°C...PIPsCTHCPIP°PSPsCÍC,C- C-
P»PμC,P°P»CHBPSPsCÍC,C- PïC-PrPIPëC%OCÍC''C,CHCÍCΠ.

P—P° PsPiCÍP±P»C-PePsPIP°PSPëPjPë PrP°PSPëPjPë PIC-PrPsPjPs, C%OPs CÍ
PïP°CTC-C''PSC,C-PI P·C- PICÍC,P°PSPsPIP»PμPSPëPj P°C,PμCTHPsCÍPeP»PμCTHPsP·PsPj,
CÍPμCTHC†PμPIPsCTH PSPμPrPsCÍC,P°C,PSC-CÍC,CTH P°P±Ps C†CÍPeCTHPsPIPëPj
PrC-P°P±PμC,PsPj P· CÍCTHP°P¶PμPSPSCΠPj PsCTHPiP°PSC-PI-PjC-C€PμPSPμPNë
PsPrPSPsC±P°CÍPSPμ P·P°CÍC,PsCÍCÍPIP°PSPSCΠ C-PSPiC-P±C-C,PsCTHC-PI PñPμPñ C-
P±P»PsPeP°C,PsCTHC-PI CTHPμC†PμPiC,PsCTHC-PI P°PSPiC-PsC,PμPSP·PëPSCÍ
CÍCÍPïCTHPsPIPsPrP¶CÍPIP°P»PsCÍCΠ PïC-PrPIPëC%OPμPSPSCΠPj C±P°CÍC,PsC,Pë
PIPëPSPëPePSPμPSPSCΠ P°CTHC,PμCTHC-P°P»CHBPSPsC— PiC-PiPsC,PμPSP·C-C—,
PSPμPiCTHPëC,PsPjPSPsCÍC,C-, PiC-PiPμCTHPeP°P»C-C''PjC-C— C,P° PïPsPiC-CTHC€PμPSPSCΠPj
C,,CÍPSPeC†C-C— PSPëCTHPsPe (CÍ C,PsPjCÍ C±PëCÍP»C- PiPsCÍC,CTHPsC— PSPëCTHPePsPIPsC—
PSPμPrPsCÍC,P°C,PSPsCÍC,C-) PïPsCTHC-PIPSCΠPSPs P· PjPsPSPsC,PμCTHP°PiC-C''CTH
P»C-PeP°CTHCÍCHPePëPjPë P·P°CÍPsP±P°PjPë, C%OPs PIPïP»PëPIP°CTH,C,H PSP° CTHPμPSC-PS-
P°PSPiC-PsC,PμPSP·PëPS-P°P»CHPrPsCÍC,PμCTHPsPSPsPICÍ CÍPëCÍC,PμPjCÍ.
PμPsPrPIC-PNëPSP° P±P»PsPeP°PrP° (C,PsP±C,Ps PePsPjP±C-PSP°CTC-CΠ
C-PSPiC-P±C-C,PsCTHCÍ PñPμPñ P· P°PSC,P°PiPsPSC-CÍC,P°PjPë CTHPμC†PμPiC,PsCTHC-PI
P°PSPiC-PsC,PμPSP·PëPSCÍ P†P†) PjPsP¶Pμ P±CÍC,Pë P·P°CÍC,PsCÍPsPIP°PSP° PI
C-PSPrPëPIC-PrCÍP°P»CHBPSPëC... PIPëPïP°PrPeP°C... P· CTHPμC,PμP»CHBPSPëPj
PePsPSC,CTHPsP»PμPj C,,CÍPSPeC†C-C— PSPëCTHPsPe, CTHC-PIPSCΠ PeP°P»C-CTH C,P°
P°CTHC,PμCTHC-P°P»CHBPSPsPiPs C,PëCÍPeCÍ.

P·CÍC,CTHP°PjC¿CÍC,PëPS. P†CÍPSCÍC'' CTHPëP·PëPe P·P±C-P»CHC€PμPSPSCΠ C±P°CÍC,PsC,Pë
PIPëPSPëPePSPμPSPSCΠ PiPsP±C-C±PSPëC... CTHPμP°PeC†C-PNë C,P°PePëC... CΠPe
P°PSPiC-PsPSPμPICCTHPsC,PëC±PSPëPNë PSP°P±CTHCΠPe (P°PSPiC-PsPμPrPμPjP°).

PñP°P»C-PNëP·P±PμCTHC-PiP°CTHC±C- PrC-C¿CTHPμC,PëPePë (PSP°PïCTHPëPeP»P°Pr,

C, CḡPḡP°PjC, PμCḡPμPS, P°PjC-P»PsCḡPḡPr C, P° C-PSC€C-), CḡPsP»C- PeP°P»C-Cḡ.
P'PḡPSPḡPePSPμPSPSCḡ PiC-PiPμCḡPeP°P»C-C" PjC-C— (PjPsPḡP»PḡPIPs,
P»PμC, P°P»CHḡPSPsC—) PsCḡPsP±P»PḡPIPs Cr PiP°C†C-C" PSC, C-PI P· PSPḡCḡPePsPIPsCḡ
PSPμPrPsCḡC, P°C, PSC-CḡC, Cḡ (P°PrPḡC, PḡPIPSḡPNḡ PiC-PiPμCḡPeP°P»C-C" PjC-C†PSPḡPNḡ
PμC,, PμPeC,). P—P°P·PSP°C†PμPSC- P»C-PeP°CḡCḡCHḡPeC- P·P°CḡPsP±Pḡ PSPμ
CḡPμPePsPjPμPSPPrPsPIP°PSC- PrP»Cḡ PsPrPSPsC†P°CḡPSPsPiPs P·P°CḡC, PsCḡCrPIP°PSPSCḡ P·
PiPμCḡPḡPSPPrPsPiCḡPḡP»PsPj (PrPḡPI. CḡPsP·PrC-P» B«PhCḡPsP±P»PḡPIPsCḡC, C-
P·P°CḡC, PsCḡCrPIP°PSPSCḡB»). PhPrPSP°Pe CḡPeC%oPs PsPrPSPsC†P°CḡPSPμ
PiCḡPḡP·PSP°C†PμPSPSCḡ C†PḡC... CḡPμC†PsPIPḡPS C" PSPμPsP±C...C-PrPSPḡPj, C—C...
CḡP»C-Pr P·P°CḡC, PsCḡPsPICḡPIP°C, Pḡ P· PsP±PμCḡPμPḡPSC-CḡC, Cḡ C, P° PiCḡPsPIPsPrPḡC, Pḡ
C†P°CḡC, PḡPNḡ PePsPSC, CḡPsP»CHḡ PeP°P»C-Cḡ PiP»P°P·PjPḡ PeCḡPsPIC-. PḡPsPrPs
P·P°CḡC, PsCḡCrPIP°PSPSCḡ CḡPiC-CḡPsPSPsP»P°PeC, PsPSCḡ PiCḡPḡ CḡPμCḡC†PμPIC-PNḡ
PSPμPrPsCḡC, P°C, PSPsCḡC, C- PrPḡPI. PiC-PrCḡPsP·PrC-P» B«P»C-PeP°CḡCḡCHḡPeC-
P·P°CḡPsP±Pḡ, PsPrPSPsC†P°CḡPSPμ PiCḡPḡP·PSP°C†PμPSPSCḡ P· CḡPePḡPjPḡ
PiPsC, CḡPμP±CḡC" PsCḡPsP±P»PḡPIPsC— CḡPIP°PiPḡB».

P»C-C, C-PNḡ. PhPrPSPsC†P°CḡPSPḡPNḡ PiCḡPḡPNḡPsPj P»C-C, C-Cḡ C, P°
C-PSPiC-P±C-C, PsCḡC-PI PhPμPḡ PSPμ CḡPμPePsPjPμPSPPrCḡC" C, CHḡCḡCḡ C†PμCḡPμP·
PjPsPḡP»PḡPIC-CḡC, CHḡ PsP±PsCḡPsC, PSPsPiPs P·P±C-P»CHḡCḡPμPSPSCḡ
PePsPSC†PμPSC, CḡP°C†C-C— P»C-C, C-Cḡ Cr CḡPḡCḡPsPIP°C, C†C- PeCḡPsPIC- C, P°,
PIC-PrPiPsPIC-PrPSPs, PiC-PrPIPḡC%oPμPSPSCḡ PNḡPsPiPs C, PsPeCḡPḡC†PSPsCḡC, C-
(C, CḡPḡPePsC— PSPμPNḡCḡPsC, PsPeCḡPḡC†PSPsCḡC, C-). PhPrPSP°Pe CḡPeC%oPs
PSPμPsP±C...C-PrPSC-CḡC, CHḡ C, P°PePsC— PePsPjP±C-PSP°C†C-C— C"
PsP±T' CḡCrPSC, PsPIP°PSPsCḡ, PiPsC, CḡC-P±PSPs PePsPSC, CḡPsP»CḡPIP°C, Pḡ
PePsPSC†PμPSC, CḡP°C†C-Cḡ P»C-C, C-Cḡ Cr CḡPḡCḡPsPIP°C, C†C- PeCḡPsPIC- (PrPḡPI.
CḡPsP·PrC-P» B«PhCḡPsP±P»PḡPIPsCḡC, C- P·P°CḡC, PsCḡCrPIP°PSPSCḡB»).

P»C-PeP°CḡCḡCHḡPeC- P·P°CḡPsP±Pḡ, PsPrPSPsC†P°CḡPSPμ PiCḡPḡP·PSP°C†PμPSPSCḡ
P· CḡPePḡPjPḡ PiPsC, CḡPμP±CḡC" PsCḡPsP±P»PḡPIPsC— CḡPIP°PiPḡ

PiCḡPeCḡPsP·PSPḡPḡCḡPIP°P»CHḡPSC- P·P°CḡPsP±Pḡ (C-PSCḡCḡP»C-PS,
PiPμCḡPsCḡP°P»CHḡPSC- C†CḡPeCḡPsP·PSPḡPḡCḡPIP°P»CHḡPSC- P·P°CḡPsP±Pḡ).
P·PiC-PrPμPjC-PsP»PsPiC-C†PSC- PrPsCḡP»C-PrPḡPμPSPSCḡ
PiCḡPḡPiCḡCḡPeP°CḡC, CHḡ, C%oPs PsPrPSPsC†P°CḡPSPμ P·P°CḡC, PsCḡCrPIP°PSPSCḡ
C-PSPiC-P±C-C, PsCḡC-PI PhPμPḡ C- C†CrPeCḡPsP·PSPḡPḡCḡPIP°P»CHḡPSPḡC...
P·P°CḡPsP±C-PI (C-PSCḡCḡP»C-PS, PiPμCḡPsCḡP°P»CHḡPSC-
C†CrPeCḡPsP·PSPḡPḡCḡPIP°P»CHḡPSC- P·P°CḡPsP±Pḡ) PjPsPḡPμ PiCḡPḡP·PIPμCḡC, Pḡ
PrPs PiPsCḡPḡP»PμPSPSCḡ C†CrPeCḡPsP·PSPḡPḡCḡPIP°P»CHḡPSPsPiPs PμC,, PμPeC, Cr P·
CḡPḡP·PḡPePsPj CḡPsP·PIPḡC, PeCḡ PiC-PiPsPiP»C-PePμPjC-C—. PḡP°PNḡC†P°CḡC, C-CḡPμ
C†PμPNḡ C,, PμPSPsPjPμPS PjPsPḡPμ PIPḡPSPḡPeP°C, Pḡ Cr PiPμCḡCḡC- C, PḡPḡPSC-
PePsPjP±C-PSPsPIP°PSPsPiPs P»C-PeCḡPIP°PSPSCḡ C, P° Cr CḡP°P·C-
PSPḡCḡPePsPIPsC— PSPμPrPsCḡC, P°C, PSPsCḡC, C-.

P" C-CḡCḡPμC, PḡPePḡ. Pj PiP°C†C-C" PSC, C-PI, CḡPeC- PiCḡPḡPNḡPjP°CḡC, CHḡ
PrC-CḡCḡPμC, PḡPePḡ, C, P° PsCḡPsP±P»PḡPIPs Cr C, PḡC..., Cr PePsPiPs PiPsCḡCḡCḡPμPSPḡPNḡ
PIPsPrPSPs-PμP»PμPeC, CḡPsP»C-C, PSPḡPNḡ P±P°P»P°PSCḡ, PjPsPḡP»PḡPIPμ PSP°PrPjC-CḡPSPμ
P·PSPḡPḡPμPSPSCḡ P°CḡC, PμCḡC-P°P»CHḡPSPsPiPs C, PḡCḡPeCḡ PiC-CḡP»Cḡ PiPsC†P°C, PeCḡ
P»C-PeCḡPIP°PSPSCḡ C-PSPiC-P±C-C, PsCḡPsPj PhPμPḡ. P†PjPsPIC-CḡPSC-CḡC, CHḡ
CḡPsP·PIPḡC, PeCḡ PiC-PiPsC, PμPSP·PḡPIPSsPiPs PμC,, PμPeC, Cr P·PSPḡPḡCḡC" C, CHḡCḡCḡ Cr
CḡP°P·C- PIC-PrPjC-PSPḡ PrC-CḡCḡPμC, PḡPeP°, PiC-PrPIPḡC%oPμPSPSCḡ PsP±Bḡ™ C" PjCr

C†PëCĤPëC†P»CĤCĤC†PSC— PëCĤPSPIC- P°P±Ps C†PīPsP¶PëPIP°PSPSCĬ C†PsP»C- PīPμCĤPμPr
PīPsC†P°C,PePsPj C,PμCĤP°PīC-C— PīPμCĤPëPSPPrPsPīCĤPëP»PsPj, CĬPëC† C†P»C-Pr
CĤPsP·PīPsC†PëPSP°C,Pë P· PSPëP·CHPePëC... PrPsP· P· PīPsC†C,C†PīPsPIPëPj
PīC-PrPIPëC%PμPSPSCĬPj. PμCĤPë P°CĤC,PμCĤC-P°P»CHPSC-PNë PiC-PīPμCĤC,PμPSP·C-C—,
PePsP»Pë PīPsPīPμCĤPμPrPSCĤPs PīCĤPëP·PSP°C†PμPSPëPNë PrC-C†CĤPμC,PëPe PjC-Pi
C†PīCĤPëC†PëPSPëC,Pë PSPμPrPsC†C,P°C,PSC-C†C,CH PIPsPrPë/PμP»PμPeC,CĤPsP»C-C,C-PI,
PNëPsPiPs PSPμPsP±C...C-PrPSPs PIC-PrPjC-PSPëC,Pë PīPμCĤPμPr PīPsC†P°C,PePsPj
P»C-PëC†PIP°PSPSCĬ C-PSPiC-P±C-C,PsCĤPsPj PĥPμPα (C† C,P°PePëC... PIPëPīP°PrPeP°C...
PīCĤPëPNëPsPj PrC-C†CĤPμC,PëPeP° PjPsP¶Pμ P±C†C,Pë PīPsPSPsPIP»PμPSPs P· C†P°C†PsPj)
P°P±Ps PīCĤPëP·PSP°C†PëC,Pë C-PSPiC-P±C-C,PsCĤ PĥPμPα C† PSPëP·CHPeC-PNë PrPsP·C- P·
PīPsC†C,C†PīPsPIPëPj C—C— PīC-PrPIPëC%PμPSPSCĬPj. PμCĤPë P·P°C†C,C-PNëPSC-PNë
C†PμCĤC†PμPIC-PNë PSPμPrPsC†C,P°C,PSPsC†C,C- PSP° C,P»C- PīCĤPëPNëPsPjC†
PrC-C†CĤPμC,PëPeP° PīCĤPëPNëPsPj C-PSPiC-P±C-C,PsCĤC† PĥPμPα C†P»C-Pr
CĤPsP·PīPsC†PëPSP°C,Pë P· PjC-PSC-PjP°P»CHPSPsC— PrPsP·Pë, PjPsP¶P»PëPIPs PiC-C†P»CĬ
P·PSPëP¶PμPSPSCĬ PrPsP·Pë PrC-C†CĤPμC,PëPeP°. Pj P±C†PrCH-CĬPePsPjC† PIPëPīP°PrPeC†
PSPμPsP±C...C-PrPSPs PePsPSC,CĤPsP»CĤPIP°C,Pë C,,C†PSPëC†C-CĤ PSPëCĤPsPe
(CĤC-PIPμPSCĤ PëCĤPμP°C,PëPSC-PSC†) PīCĤPsC,CĬPiPsPj PīPμCĤCëPëC... C,PëP¶PSC-PI
P»C-PëC†PIP°PSPSCĬ C-PSPiC-P±C-C,PsCĤPsPj PĥPμPα.

*PμP°P»C-PNëP·P±PμCĤC-PiP°CĤC†C- PrC-C†CĤPμC,PëPePë (PμPīP»PμCĤPμPSPsPS,
C†PīC-CĤPsPSPsP»P°PeC,PsPS). PĥC†PsP±P»PëPIPsC— C†PIP°PiPë PīPsC,CĤPμP±C†C”
PsPrPSPsC†P°C†PSPμ P·P°C†C,PsC†C†PIP°PSPSCĬ PμPīP»PμCĤPμPSPsPSC† P°P±Ps
C†PīC-CĤPsPSPsP»P°PeC,PsPSC† C† PrPsP·P°C... PIC-Pr 12,5 PjPi PrPs 50 PjPi PSP°
PrPsP±C† P· PSPëP·CHPePëPjPë PrPsP·P°PjPë C-PSPiC-P±C-C,PsCĤC† PĥPμPα. Pj
CĤP°P·C- PSPμPrPsC,CĤPëPjP°PSPSCĬ CĤPμPePsPjPμPSPPrP°C†C-PNë C%PsPrPs
PīCĤPëP·PSP°C†PμPSPSCĬ C,P°PePsC— PePsPjP±C-PSP°C†C-C— C-C†PSC†C”
CĤPëP·PëPe PIPëPSPëPePSPμPSPSCĬ PiC-PīPμCĤPëP°P»C-C”PjC-C— (PjPsP¶P»PëPIPs,
P»PμC,P°P»CHPSPsC—) PīC-Pr C†P°C† P»C-PëC†PIP°PSPSCĬ PīP°C†C-C”PSC,C-PI C-P·
C†PμCĤC†PμPIPsCĤ PSPμPrPsC†C,P°C,PSC-C†C,CĤ P†P†BĤ“P†V PeP»P°C†C† NYHA C,P°
C,,CĤP°PeC†C-C”CĤ PIPëPePëPrC† < 40 %, CĬPëC- CĤP°PSC-CëPμ
P»C-PëC†PIP°P»PëC†CĬ C-PSPiC-P±C-C,PsCĤPsPj PĥPμPα C,P° PīPμC,P»CHPsPIPëPj
PrC-C†CĤPμC,PëPePsPj. PμPμCĤPμPr PīCĤPëP·PSP°C†PμPSPSCĬPj C,P°PePsC—
PePsPjP±C-PSP°C†C-C— C†P»C-Pr C†PīPμPIPsPëC,PëC†CĬ C† PIC-PrC†C†C,PSPsC†C,C-
PiC-PīPμCĤPëP°P»C-C”PjC-C— C,P° PīPsCĤC†CëPμPSPSCĬ C,,C†PSPëC†C-C—
PSPëCĤPsPe. P PμPePsPjPμPSPPrPsPIP°PSPs PīCĤPsPIPsPrPëC,Pë CĤPμC,PμP»CHPSPëPNë
PjPsPSC-C,PsCĤPëPSPi PeP°P»C-C”PjC-C— C- PëCĤPμP°C,PëPSC-PSPμPjC-C—
C%PsC,PëP¶PSPμPIPs PiC-Pr C†P°C† PīPμCĤCëPsPiPs PjC-C†CĬC†CĬ
P»C-PëC†PIP°PSPSCĬ C,P° C%PsPjC-C†CĬC†PSPs PSP°PrP°P»C-.*

*PkPμC†C,PμCĤPsC—PrPSC- PīCĤPsC,PëP·P°PīP°P»CHPSC- P»C-PëP°CĤC†CHPeC-
P·P°C†PsP±Pë (PkPμP—P—), C† C,PsPjC† C†PëC†P»C- P°C†PμC,PëP»C†P°P»C-C†PëP»PsPIP°
PePëC†P»PsC,P° ≥ 3 Pi PSP° PrPsP±C†. PĥPsP¶P»PëPIPμ PīPsC†P»P°P±P»PμPSPSCĬ
P°PSC,PëPiC-PīPμCĤC,PμPSP·PëPIPsPiPs PμC,,PμPeC,C† PiC-Pr C†P°C†
PsPrPSPsC†P°C†PSPsPiPs P·P°C†C,PsC†C†PIP°PSPSCĬ C-PSPiC-P±C-C,PsCĤC-PI PĥPμPα P·
PkPμP—P—, C,P°PePëPjPë CĬPe: P°C†PμC,PëP»C†P°P»C-C†PëP»PsPIP° PePëC†P»PsC,P° C†
PīCĤPsC,PëP·P°PīP°P»CHPSPëC... PrPsP·P°C..., C-PSPiC-P±C-C,PsCĤPë PīPĥP“-2,
PSPμC†PμP»PμPeC,PëPIPsC- PkPμP—P—. PĥPrPSPsC†P°C†PSPμ P·P°C†C,PsC†C†PIP°PSPSCĬ
C-PSPiC-P±C-C,PsCĤC-PI PĥPμPα C- PkPμP—P— PjPsP¶Pμ PīCĤPëP·PIPμC†C,Pë PrPs
PiC-PrPIPëC%PμPSPSCĬ CĤPëP·PëPeC†PīPsPiC-CĤCëPμPSPSCĬ C,,C†PSPëC†C-C—
PSPëCĤPsPe, C† C,PsPjC† C†PëC†P»C- C-PjPsPIC-CĤPSPsC†C,C- CĤPsP·PIPëC,PeC†*

PiPsCfC,ChPsC— PSPëChPePsPIPsC— PSPµPrPsCfC,P°C,PSPsCfC,C-, PiC-PrPIPeC%PµPSPSCl CChC-PIPsC PëP°P»C-Ç Cr PiP»P°P·PjC- PeChPsPIC-, PsCfPsP±P»PëPIPs Cr PiP°C†C-C”PSC,C-PI C-P· PiPsChCrCëPµPSPSClPj C,,CrPSPeC†C-C— PSPëChPsPe PI P°PSP°PjPSPµP·C-. PÿP°PeCr PePsPjP±C-PSP°C†C-Ç ClP»C-Pr PiChPëP·PSP°C†P°C,Pë P· PsP±PµChPµP¶PSC-CfC,Ch, P·PsPeChPµPjP° PiP°C†C-C”PSC,P°Pj P»C-C,PSCHPsPiPs PIC-PeCr. Pj PiP°C†C-C”PSC,C-PI PSPµPsP±C...C-PrPSPs PIC-PrPSPsPIPeC,Pë PIPsPrPSPëPn P±P°P»P°PSCf C,P° PePsPSC,ChPsP»ChPIP°C,Pë C,,CrPSPeC†C-Ç PSPëChPsPe PSP° PiPsC†P°C,PeCr P»C-PeCrPIP°PSPSCl C,P°PePsCh PePsPjP±C-PSP°C†C-C”Ç C- PiPµChC-PsPrPëC†PSPs PIPiChPsPrPsPIP¶ P»C-PeCrPIP°PSPSCl.

P>C-PeP°ChCfCHPeC- P·P°ClPsP±Pë, PsPrPSPsC†P°ClPSPµ PiChPëP·PSP°C†PµPSPSCl P· ClPePëPjPë PiPsC,ChPµP±CéC” CèPIP°PiPë

PÿPëPjPiP°C,PsPjC-PjPµC,PëPePë PjPsP¶CrC,Ch PiPsCfP»P°P±P»ChPIP°C,Pë P°PSC,PëPiC-PiPµChC,PµPSP·PëPIPsC PrC-Ç C-PSPiC-P±C-C,PsChC-PI PjPµPα.

P—PsP»PsC,Ps. PµChPë PsPrPSPsC†P°ClPSPsPjCr P·P°ClC,PsCfCrPIP°PSPSC- C-PSPiC-P±C-C,PsChC-PI PjPµPα, PIPeP»ChC†P°ChC†Pë PiPµChPëPSPPrPsPiChPëP», C- C-PSbH™ C”PeC†C-PnëPSPëC... P»C-PeP°ChCfCHPePëC... P·P°ClPsP±C-PI P·PsP»PsC,P° (PSP°C,ChC-Ç P°CrChPsC,C-PsPjP°P»P°C,) ChC-PrPePs PjPsP¶CrC,Ch PIPëPSPëPePSCfC,Pë ChPµP°PeC†C-C—, PiPsPrC-P±PSC- PrPs C,PëC..., C%Ps PIPëPSPëPeP°ChC,Ch PiChPë P·P°ClC,PsCfCrPIP°PSPSC- PSC-C,ChP°C,C-PI (PiPsC†PµChPIPSPSC-PSPSCl PsP±P»PëC†C†Cl, PiChPëPiP»PëPIPë, PSCfPrPsC,P°, P±P»ChPIP°PSPSCl C,P° PiC-PiPsC,PµPSP·C-Cl).

P·P·P°C”PjPsPrC-C—, PiPsPIbH™ ClP·P°PSC- P· P°PjP»PsPrPëPiC-PSPsPj

PkPµ ChPµPePsPjPµPSPPrCéC”C,ChCfCl PsPrPSPsC†P°ClPSPµ P·P°ClC,PsCfCèPIP°PSPSCl

P”P°PSC,ChPsP»PµPS (C-PSC,,CèP·C-Cl). P· PµPeClPiPµChPëPjPµPSC,P°P»ChPSPëC... PrPsCfP»C-PrP¶PµPSPSClC... PiC-ClP»Cl P·P°ClC,PsCfCrPIP°PSPSCl PIPµChP°PiP°PjC-P»Cr C- PrP°PSC,ChPsP»PµPSCf PIPSCfC,ChC-CëPSCHPsPIPµPSPSPs ClPiPsCfC,PµChC-PiP°P»PëClCl C,,C-P±ChPëP»ClC†C-Cl CëP»CrPSPsC†PeC-PI ClPµChC†Cl P· P»PµC,P°P»ChPSPëPj PSP°ClP»C-PrPePsPj C,P° PeP°ChPrC-PsPIP°ClPeCrP»ClChPSPëPn PePsP»P°PiCl Cr PiPsC”PrPSP°PSPSC- P· PiC-PiPµChPeP°P»C-C”PjC-C”Ç. P— PsPiP»ClPrCr PSP° PjPsP¶P»PëPIC-ClC,Ch PIPëPSPëPePSPµPSPSCl PiC-PiPµChPeP°P»C-C”PjC-C— ChPµPePsPjPµPSPPrPsPIP°PSPs CrPSPëPeP°C,Pë PsPrPSPsC†P°ClPSPsPiPs PiChPëP·PSP°C†PµPSPSCl P°PSC,P°PiPsPSC-CfC,C-PI PeP°P»ChC†C-Ç, C,P°PePëC... ClPe P°PjP»PsPrPëPiC-PS, PiP°C†C-C”PSC,P°Pj P·C- P·P»PsClPeC-ClPSPsCh PiC-PiPµChC,PµChPjC-C”Ç C,P° PiP°C†C-C”PSC,P°Pj, Cr ClPePëC... PrPsPiCrClPeP°C”C,ChCfCl PSP°ClPIPsC-CfC,Ch P·P»PsClPeC-ClPSPsC— PiC-PiPµChC,PµChPjC-C—.

P>C-PeP°ChCfCHPeC- P·P°ClPsP±Pë, PsPrPSPsC†P°ClPSPµ P·P°ClC,PsCfCèPIP°PSPSCl P· ClPePëPjPë PiPsC,ChPµP±CéC” PsCfPsP±P»PëPIPsC— PsP±PµChPµP¶PSPsCfC,C-

P†PSPPrCèPeC,PsChPë CYP3A4. PµChPë PsPrPSPsC†P°ClPSPsPjCr P·P°ClC,PsCfCrPIP°PSPSC- P· PIC-PrPsPjPëPjPë C-PSPPrCrPeC,PsChP°PjPë CYP3A4 PePsPSC†PµPSC,ChP°C†C-Cl P°PjP»PsPrPëPiC-PSCf Cr PiP»P°P·PjC- PeChPsPIC- PjPsP¶Pµ P·PjC-PSCfPIP°C,PëClCh. PÿPsPjCr PiC-Pr C†P°Cl C,P° PiC-ClP»Cl PsPrPSPsC†P°ClPSPsPiPs P·P°ClC,PsCfCrPIP°PSPSCl P· C-PSPPrCrPeC,PsChP°PjPë CYP3A4 ClP»C-Pr PePsPSC,ChPsP»ChPIP°C,Pë

P†PSPiC-P±C-C,PsCḡPē CYP3A4. PḥPrPSPsC†P°C†PSPμ P·P°C†C,PsC†C†PIP°PSPSC‡
P°PjP»PsPrPēPiC-PSCr P·PIPēC†PsPePsP°PeC,PēPIPSPēPjPē P°P±Ps PiPsPjC-CḡPSPēPjPē
C-PSPiC-P±C-C,PsCḡP°PjPē CYP3A4 (C-PSPiC-P±C-C,PsCḡP°PjPē PiCḡPsC,PμP°P·,
P°P·PsP»CHḡPSPēPjPē PiCḡPsC,PēPiCḡPēP±PePsPIPēPjPē P·P°C†PsP±P°PjPē,
PjP°PeCḡPsP»C-PrP°PjPē, C,P°PePēPjPē C‡Pe PμCḡPēC,CḡPsPjC-C†PēPS P°P±Ps
PeP»P°CḡPēC,CḡPsPjC-C†PēPS, PIPμCḡP°PiP°PjC-P»PsPj P°P±Ps PrPēP»C,C-P°P·PμPjPsPj)
PjPsP¶Pμ PIPēPeP»PēPeP°C,Pē PiC-PrPIPēC%PμPSPSC‡ PePsPSC†PμPSC,CḡP°C†C-C—
P°PjP»PsPrPēPiC-PSCr. PḡP»C-PSC-C†PSPēPNḡ PiCḡPsC‡PI PIPēC%PμP·P°P·PSP°C†PμPSPēC...
C,,P°CḡPjP°PePsPeC-PSPμC,PēC†PSPēC... P·PjC-PS PjPsP¶Pμ P±C†C,Pē P±C-P»CHḡCē
PIPēCḡP°P¶PμPSPēPj C† PiP°C†C-C”PSC,C-PI P»C-C,PSCHḡPsPiPs PIC-PeC†. Pj C,P°PePēC...
PIPēPiP°PrPeP°C... PSPμPsP±C...C-PrPSPs PiCḡPsPIPsPrPēC,Pē PeP»C-PSC-C†PSPēPNḡ
PjPsPSC-C,PsCḡPēPSPi C,P° PePsCḡPēPiC†PIP°C,Pē PrPsP·C†. P†C†PSC†C”
PiC-PrPIPēC%PμPSPēPNḡ CḡPēP·PēPe PIPēPSPēPePSPμPSPSC‡ PiC-PiPsC,PμPSP·C-C— C†
PiP°C†C-C”PSC,C-PI, C‡PeC- PiCḡPēPNḡPjP°CḡC,CHḡ PeP»P°CḡPēC,CḡPsPjC-C†PēPS C†
PePsPjP±C-PSP°C†C-C— P· P°PjP»PsPrPēPiC-PSPsPj. PḡP°PePēPj PiP°C†C-C”PSC,P°Pj
CḡPμPePsPjPμPSPPrPsPIP°PSPμ CḡPμC,PμP»CHḡPSPμ C†PiPsC†C,PμCḡPμP¶PμPSPSC‡.

$\text{P}_{\mu}\text{C}\overline{\text{H}}\text{P}_{\text{e}} \cdot \text{P} \cdot \text{P}^{\circ}\text{C}\overline{\text{I}}\text{C}, \text{PsC}\overline{\text{I}}\text{C}\overline{\text{r}}\text{PIP}^{\circ}\text{PSPSC} - \text{P}^{\circ}\text{PjP} \gg \text{PsPrP}_{\text{e}}\text{P}_{\text{i}}\text{C} - \text{PSCr} \cdot \text{P} \cdot \text{C} - \text{PSC}\epsilon\text{P}_{\text{e}}\text{PjP}_{\text{e}}$
 $\text{P} \gg \text{C} - \text{PeP}^{\circ}\text{C}\overline{\text{H}}\text{C}\overline{\text{I}}\text{CH}_{\text{e}}\text{PeP}_{\text{e}}\text{PjP}_{\text{e}} \cdot \text{P} \cdot \text{P}^{\circ}\text{C}\overline{\text{I}}\text{Ps} \pm \text{P}^{\circ}\text{PjP}_{\text{e}} \cdot \text{P} \cdot \text{P}^{\circ}\text{PSC}, \text{P}_{\text{e}}\text{PiC} - \text{P}_{\text{i}}\text{P}_{\mu}\text{C}\overline{\text{H}}\text{C}, \text{P}_{\mu}\text{PSP} \cdot \text{P}_{\text{e}}\text{PIPSP}_{\text{e}}\text{PjP}_{\text{e}}$
 $\text{PIP} \gg \text{P}^{\circ}\text{C}\overline{\text{I}}\text{C}, \text{P}_{\text{e}}\text{PIPsC}\overline{\text{I}}\text{C}, \text{C}\overline{\text{I}}\text{PjP}_{\text{e}} \text{PjPsP}\overline{\text{I}}\text{P} \gg \text{P}_{\text{e}}\text{PIP}_{\text{e}}\text{PN}_{\text{e}} \cdot \text{P}^{\circ}\text{PrP}_{\text{e}}\text{C}, \text{P}_{\text{e}}\text{PIPSP}_{\text{e}}\text{PN}_{\text{e}}$
 $\text{P}^{\circ}\text{PSC}, \text{P}_{\text{e}}\text{PiC} - \text{P}_{\text{i}}\text{P}_{\mu}\text{C}\overline{\text{H}}\text{C}, \text{P}_{\mu}\text{PSP} \cdot \text{P}_{\text{e}}\text{PIPSP}_{\text{e}}\text{PN}_{\text{e}} \text{P}_{\mu}\text{C}_{\text{e}}, \text{P}_{\mu}\text{PeC}_{\text{e}},$

$PjP^{\circ}PeC\overline{H}PsP \gg C-PjC\acute{z}C\acute{r}$. $Pj\ C\overline{H}P^{\circ}P\cdot C-$ $PsPrPSPsC\ddagger P^{\circ}C\acute{r}PSPsPiPs\ PiC\overline{H}P\ddot{e}P\cdot PSP^{\circ}C\ddagger P\mu PSPSC\downarrow P\cdot$
 $P^{\circ}PjP \gg PsPrP\ddot{e}PiC-PSPsPj\ C-C\acute{r}PSCrC''\ C\overline{H}P\ddot{e}P\cdot P\ddot{e}Pe\ PiC-PrPIP\ddot{e}C\%P\mu PSPSC\downarrow C\overline{H}C-PIPSC\downarrow$
 $C,P^{\circ}PeC\overline{H}PsP \gg C-PjC\acute{r}C\acute{r}C\acute{r}\ Pi\ PeC\overline{H}PsPIC-.$ $P''P \gg C\downarrow C\acute{r}PSP\ddot{e}PePSP\mu PSPSC\downarrow C,PsPeC\acute{r}P\ddot{e}C\ddagger PSPsPiPs$
 $PIPiP \gg P\ddot{e}PIC\acute{r}\ C,P^{\circ}PeC\overline{H}PsP \gg C-PjC\acute{r}C\acute{r}C\acute{r}\ PSP\mu PsP\pm C...C-PrPSPs\ PePsPSC,C\overline{H}PsP \gg C\overline{H}PIP^{\circ}C,P\ddot{e}$
 $PN\ddot{e}PsPiPs\ C\overline{H}C-PIP\mu PSCH\ C\acute{r}\ PeC\overline{H}PsPIC- C,P^{\circ}\ C\acute{r}\ C\overline{H}P^{\circ}P\cdot C- PiPsC,C\overline{H}P\mu P\pm P\ddot{e}$
 $PiC-PrP\pm P\ddot{e}C\overline{H}P^{\circ}C,P\ddot{e}\ PN\ddot{e}PsPiPs\ PrPsP\cdot C\acute{r}\ PiP^{\circ}C\ddagger C-C''PSC,P^{\circ}Pj, C\downarrow PeP\ddot{e}Pj\ PrPsPrP^{\circ}C''C,CHC\acute{r}C\downarrow$
 $P^{\circ}PjP \gg PsPrP\ddot{e}PiC-PS.$

$P \dagger P S P i C - P \pm C - C, P s C \bar{H} P \ddot{e} \ P j P \mu C \dots P^{\circ} P S C - C \acute{I} C, P \ddot{e} C \ddagger P S P s C - \ P j C - C \epsilon P \mu P S C - \ C \bar{H} P^{\circ} P i P^{\circ} P j C - C \dagger P \ddot{e} P S C \acute{e}$
(mTOR). $P \ddot{y} P^{\circ} P e C - \ C - P S P i C - P \pm C - C, P s C \bar{H} P \ddot{e} \ m T O R, C \bar{I} P e \ C \acute{I} P \ddot{e} C \bar{H} P s P \gg C - P j C r C \acute{I},$
 $C, P \mu P j C \acute{I} P \ddot{e} C \bar{H} P s P \gg C - P j C r C \acute{I} \ C, P^{\circ} \ P \mu P i P \mu C \bar{H} P s P \gg C - P j C r C \acute{I}, \ C'' \ C \acute{I} C r P \pm C \acute{I} C, C \bar{H} P^{\circ} C, P^{\circ} P j P \ddot{e}$
 $C Y P 3 A. P \bar{h} P j P \gg P s P r P \ddot{e} P i C - P S \ P S P^{\circ} P \gg P \mu P \P P \ddot{e} C, C \bar{H} \ P r P s \ C - P S P i C - P \pm C - C, P s C \bar{H} C - P i \ C Y P 3 A$
 $C \acute{I} P \gg P^{\circ} P \pm P e P s C - \ P r C - C - . P \mu C \bar{H} P \ddot{e} \ P s P r P S P s C \ddagger P^{\circ} C \acute{I} P S P s P j C r$
 $P \cdot P^{\circ} C \acute{I} C, P s C \acute{I} C r P i P^{\circ} P S P S C - \ P \cdot \ C - P S P i C - P \pm C - C, P s C \bar{H} P^{\circ} P j P \ddot{e} \ m T O R \ P^{\circ} P j P \gg P s P r P \ddot{e} P i C - P S$
 $P j P s P \P P \mu \ P \cdot P \pm C - P \gg C \bar{H} C \epsilon C r P i P^{\circ} C, P \ddot{e} \ P e P s P S C \dagger P \mu P S C, C \bar{H} P^{\circ} C \dagger C - C \bar{H}$
 $C - P S P i C - P \pm C - C, P s C \bar{H} C - P i \ m T O R.$

$P_l \cdot P \ddot{e} P e P \gg P s C \acute{I} P i P s C \tilde{H} P \ddot{e} P S$. $P'' P s C \acute{I} P \gg C - P r P \P P \mu P S P S C \sqcup P I P \cdot P^{\circ} C'' P j P s P r C - C -$
 $C \dagger P \ddot{e} P e P \gg P s C \acute{I} P i P s C \tilde{H} P \ddot{e} P S C r P N_{\mathbb{Z}} P^{\circ} P j P \gg P s P r P \ddot{e} P i C - P S C r P \cdot P^{\circ} C r C \ddagger P^{\circ} C \acute{I} C, C \tilde{H} P \cdot P r P s C \tilde{H} P s P I P \ddot{e} C \dots$
 $P r P s P \pm C \tilde{H} P s P I P s P \gg C \tilde{H} C \dagger C - P I P^{\circ} P \pm P s C - P S C \epsilon P \ddot{e} C \dots P \gg C \tilde{H} P r P \mu P N_{\mathbb{Z}} P S P \mu$
 $P i C \tilde{H} P s P I P s P r P \ddot{e} P \gg P \ddot{e} C \acute{I} C \sqcup P' P \ddot{e} P S C \sqcup C, P s P e C \acute{I} C, P^{\circ} P S P s P I P \gg C \sqcup C, C \tilde{H} P i P^{\circ} C \dagger C - C'' P S C, P \ddot{e}$

P°PSC, PëPiC-PiPμCȚC, PμPSP·PëPIPSPëPNë PμC,, PμPeC, (C†PμCȚPμP· P·P°C, CȚPëPjPeCř PIPsPrPë C, P° CřPsP»PμPNë).

PȚP»CHC,, P°·P±P»PsPeP°C, PsCȚPë (PiCȚP°P·PsP·PëPS, P°P»C,, C¿P·PsP·PëPS, PrPsPeCřP°P·PsP·PëPS, C, P°PjCřC¿P»PsP·PëPS, C, PμCȚP°P·PsP·PëPS) PiPsCřPëP»CȚCȚC, CH P°PSC, PëPiC-PiPμCȚC, PμPSP·PëPIPSPëPNë PμC,, PμPeC, C, P° PiC-PrPIPëC%oCřCȚC, CH CȚPëP·PëPe PIPëPSPëPePSPμPSPSCȚ PsCȚC, PsCřC, P°C, PëC†PSPsC— PiC-PiPsC, PμPSP·C-C—.

PȚPjC-C,, PsCřC, PëPS PjPsPȚPμ PiPsCřPëP»CȚPIP°C, Pë P°PSC, PëPiC-PiPμCȚC, PμPSP·PëPIPSPëPNë PμC,, PμPeC, P°PjP»PsPrPëPiC-PSCř.

PȚCȚPëC†PëPeP»C-C†PSC- P°PSC, PëPrPμPiCȚPμCřP°PSC, Pë / P°PSC, PëPiCřPëC...PsC, CȚPsPiPSC- P·P°CřPsP±Pë / P°PSPμCřC, PμC, PëPePë PiPsCřPëP»CȚCȚC, CH P°PSC, PëPiC-PiPμCȚC, PμPSP·PëPIPSPëPNë PμC,, PμPeC, C, P° PiC-PrPIPëC%oCřCȚC, CH CȚPëP·PëPe PIPëPSPëPePSPμPSPSCȚ PsCȚC, PsCřC, P°C, PëC†PSPsC— PiC-PiPsC, PμPSP·C-C—.

PȚCřPsP±P»PëPIPsCřC, C- P·P°CřC, PsCřC¿PIP°PSPSCȚ.

PjCřC- P·P°CřC, PμCȚPμPȚPμPSPSCȚ C%oPsPrPs P·P°CřC, PsCřCřPIP°PSPSCȚ PsPeCȚPμPjPëC... PePsPjPiPsPSPμPSC, C-PI P»C-PeP°CȚCřCHPePsPiPs P·P°CřPsP±Cř CřC, PsCřCřCȚC, CHCřCȚ C- C,, C-PeCřPsPIP°PSPsC— PePsPjP±C-PSP°C†C-C— PȚPȚ-PȚP»P†PȚP·P .

PȚCřPsP±P»PëPIC- P·P°CřC, PμCȚPμPȚPμPSPSCȚ C%oPsPrPs P·P°CřC, PsCřC¿PIP°PSPSCȚ PiPμCȚPëPSPPrPsPiCȚPëP»C¿

P“C-PiPμCȚC†C¿C, P»PëPIC-CřC, CH / P°PSPiC-PsPSPμPICȚPsC, PëC†PSPëPNë PSP°P±CȚCȚPe. PȚC-Pr C†P°Cř P·P°CřC, PsCřCřPIP°PSPSCȚ C-PSPiC-P±C-C, PsCȚC-PI PȚPȚPȚ, Cř C, PsPjCř C†PëCřP»C- PiPμCȚPëPSPPrPsPiCȚPëP»Cř, PiPsPIC-PrPsPjP»CȚP»PsCřCȚ PiCȚPs CȚC-PrPeC-CřPSC- PIPëPiP°PrPePë PIPëPSPëPePSPμPSPSCȚ P°PSPiC-PsPSPμPICȚPsC, PëC†PSPsPiPs PSP°P±CȚCȚPeCř PsP±P»PëC†C†CȚ, PeC-PSC†C-PIPsPe, PiCřP±, CřP»PëP·PsPIPëC... PsP±PsP»PsPSPsPe, CȚP·PëPeP°, PiPsP»PsCřPsPIPsC— C%oC-P»PëPSPë C, P°/P°P±Ps PiPsCȚC, P°PSC- (PrPëPI. CȚPsP·PrC-P» B«PȚPsP±C-C†PSC- CȚPμP°PeC†C-C—B»). PȚPSPiC-PsPSPμPICȚPsC, PëC†PSPëPNë PSP°P±CȚCȚPe PjPsPȚPμ PIPëPSPëPePSCřC, Pë P±CřPrCH-PePsP»Pë PiC-Pr C†P°Cř P»C-PeCřPIP°PSPSCȚ. Pj C, P°PePëC... PIPëPiP°PrPeP°C... PSPμPsP±C...C-PrPSPs C, PμCȚPjC-PSPsPiPs PiCȚPëPiPëPSPëC, Pë PiCȚPëPNëPsPj P»C-PeP°CȚCřCHPePsPiPs P·P°CřPsP±Cř PȚPȚ-PȚP»P†PȚP·P C- PICřC, P°PSPsPIPëC, Pë PSPμPsP±C...C-PrPSPëPNë PSP°PiP»CȚPr P·P° CřC, P°PSPsPj PiP°C†C-C“PSC, P° PrPs PiPsPIPSPsPiPs P·PSPëPePSPμPSPSCȚ CřPëPjPiC, PsPjC-PI. PȚPsP»Pë PSP°P±CȚCȚPe CȚPsP·PiPsPICřCȚPrPȚCřC“C, CHCřCȚ P»PëC€Pμ PSP° P·PsPSCř PsP±P»PëC†C†CȚ C, P° PiCřP±, CřC, P°PS PiP°C†C-C“PSC, P° P·P°P·PIPëC†P°PNë PiPsPeCȚP°C%oCřC“C, CHCřCȚ P±PμP· P»C-PeCřPIP°PSPSCȚ; PiCȚPëP·PSP°C†PμPSPSCȚ P°PSC, PëPiC-CřC, P°PjC-PSPSPëC... P»C-PeP°CȚCřCHPePëC... P·P°CřPsP±C-PI PjPsPȚPμ P±CřC, Pë PePsCȚPëCřPSPëPj PrP»CȚ P·PjPμPSC€PμPSPSCȚ CřPëPjPiC, PsPjC-PI.

PȚPSPiC-PsPSPμPICȚPsC, PëC†PSPëPNë PSP°P±CȚCȚPe, PiPsPiBȚ™ CȚP·P°PSPëPNë P·PSP°P±CȚCȚPePsPj PiPsCȚC, P°PSC-, PjPsPȚPμ PiCȚPëP·PIPμCřC, Pë PrPs P»PμC, P°P»CHPSPsPiPs PSP°CřP»C-PrPeCř. Pj CȚP°P·C- PePsP»Pë PSP°P±CȚCȚPe CȚPsP·PiPsPICřCȚPrPȚCřC“C, CHCřCȚ PSP° CȚP·PëPe, PiPsP»PsCřPsPICř C%oC-P»PëPSCř

P°P±Ps PiPsCḡC,P°PSCḡ P· C-PjPsPIC-CḡPSPëPj PIPëPSPëPePSPµPSPSCḡPj
PsP±CḡC,CḡCḡPeC†C-C— PrPëC...P°P»CHḡPSPëC... CëP»CḡC...C-PI, PSPµPsP±C...C-PrPSPµ
C,PµCḡPjC-PSPsPIPµ PīCḡPsPIPµPrPµPSPSCḡ PSPµPIC-PrPeP»P°PrPSPsC— C,PµCḡP°PīC-C—,
CḡPeP° PjPsPḡPµ PIPEP»CḡC†P°C,Pë PIPIPµPrPµPSPSCḡ P°PrCḡPµPSP°P»C-PSCḡ C,P°/P°P±Ps
PīC-PrC,CḡPëPjP°PSPSCḡ PīCḡPsC...C-PrPSPsCḡC,C- PrPëC...P°P»CHḡPSPëC... CëP»CḡC...C-PI.
PµP°C†C-C°PSC, PīPsPIPëPSPµPS P·PSP°C...PsPrPëC,PëCḡCḡ PīC-Pr PīPsCḡC,C-PNëPSPëPj
PjPµPrPëC†PSPëPj PSP°PiP»CḡPrPsPj PrPs PīPsPIPSPsPiPs C,P° CḡC,C-PNëPePsPiPs
P·PSPëPePSPµPSPSCḡ CḡPëPjPīC,PsPjC-PI.

PµP°C†C-C°PSC,Pë P· P°PSPiC-PsPSPµPICḡPsC,PëC†PSPëPj PSP°P±CḡCḡPePsPj PI
P°PSP°PjPSPµP·C-, C°Ps PSPµ P±CḡPI PīPsPIḡḡ™ CḡP·P°PSPëPNë P· PīCḡPëPNëPsPjPsPj
C-PSPiC-P±C-C,PsCḡC-PI PḡPµPḡ, PjPsPḡCḡC,Cḡ PjP°C,Pë PīC-PrPIPëC°PµPSPëPNë
CḡPëP·PëPe PIPëPSPëPePSPµPSPSCḡ P°PSPiC-PsPSPµPICḡPsC,PëC†PSPsPiPs PSP°P±CḡCḡPeCḡ
PīCḡPë PīCḡPëPNëPsPjC- C-PSPiC-P±C-C,PsCḡC-PI PḡPµPḡ (PrPëPI. CḡPsP·PrC-P»
B«PµCḡPsC,PëPīPsPeP°P·P°PSPSCḡB»).

PµC-Pr C†P°Cḡ P»C-PeCḡPIP°PSPSCḡ C-PSPiC-P±C-C,PsCḡP°PjPë PḡPµPḡ
PīPsPIC-PrPsPjP»CḡP»PsCḡCḡ PīCḡPs CḡC-PrPeC-CḡPSC- PIPëPIP°PrPePë
PIPëPSPëPePSPµPSPSCḡ C-PSC,PµCḡC,PëPSP°P»CHḡPSPsC— P°PSPiC-PsPµPrPµPjPë. Pj
C,P°PePëC... PīP°C†C-C°PSC,C-PI PIC-PrP·PSP°C†P°PICḡCḡ P°P±PrPsPjC-PSP°P»CHḡPSPëPNë
P±C-P»CHḡ (P· PSCḡPrPsC,PsCḡ C,P° P±P»CḡPIP°PSPSCḡPj P°P±Ps P±PµP· PSPëC...); Cḡ
PrPµCḡPePëC... PIPëPIP°PrPeP°C... PīPsPīPµCḡPµPrPSCḡPsPiPs
P°PSPiC-PsPSPµPICḡPsC,PëC†PSPsPiPs PSP°P±CḡCḡPeCḡ PsP±P»PëC†C†Cḡ PSPµ
CḡPīPsCḡC,PµCḡC-PiP°P»PsCḡCḡ C- CḡC-PIPµPSCḡ PŸ-1 PµCḡC,PµCḡP°P·Pë P±CḡPI Cḡ
PSPsCḡPjC-. P°C-P°PiPSPsP· C-PSC,PµCḡC,PëPSP°P»CHḡPSPsC— P°PSPiC-PsPµPrPµPjPë
P±CḡP»Ps PICḡC,P°PSPsPIP»PµPSPs PīC-Pr C†P°Cḡ PePsPjPīḡḡ™ CḡC,PµCḡPSPsC—
C,PsPjPsPiCḡP°C,,C-C— P°P±Ps CḡP»CHḡC,CḡP°P·PICḡPePsPIPsPiPs
PrPsCḡP»C-PrPḡPµPSPSCḡ, P°P±Ps PīC-Pr C†P°Cḡ C...C-CḡCḡCḡPiC-C†PSPsPiPs
PIC,CḡCḡC†P°PSPSCḡ. PµC-CḡP»Cḡ PIC-PrPjC-PSPë C-PSPiC-P±C-C,PsCḡCḡ PḡPµPḡ
CḡPëPjPīC,PsPjPë P°PSPiC-PsPSPµPICḡPsC,PëC†PSPsPiPs PSP°P±CḡCḡPeCḡ P·PSPëPeP°P»Pë.
PµC-Pr C†P°Cḡ PīCḡPsPIPµPrPµPSPSCḡ PrPëC,,PµCḡPµPSC†C-PNëPSPsPiPs PrC-P°PiPSPsP·Cḡ
P°P±PrPsPjC-PSP°P»CHḡPSPsPiPs P±PsP»Cḡ, C°Ps PIPëPSPëPeP°C” Cḡ PīP°C†C-C°PSC,C-PI
PSP° C,P»C- PīCḡPëPNëPsPjCḡ C-PSPiC-P±C-C,PsCḡC-PI PḡPµPḡ, PSPµPsP±C...C-PrPSPs
PICḡP°C...PsPICḡPIP°C,Pë PjPsPḡP»PëPIC-CḡC,Cḡ PIPëPSPëPePSPµPSPSCḡ
C-PSC,PµCḡC,PëPSP°P»CHḡPSPsC— P°PSPiC-PsPµPrPµPjPë (PrPëPI. CḡPsP·PrC-P»
B«PµPsP±C-C†PSC- CḡPµP°PeC†C-C—B»).

PḡPrPSPsC†P°CḡPSPµ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ PīPµCḡPëPSPPrPsPīCḡPëP»Cḡ P·
CḡP°PeCḡP±C-C,CḡPëP»PsPj/PIP°P»CḡP°CḡC,P°PSPsPj PīCḡPsC,PëPīPsPeP°P·P°PSPµ
C†PµCḡPµP· PīC-PrPIPëC°PµPSPëPNë CḡPëP·PëPe CḡPsP·PIPëC,PeCḡ
P°PSPiC-PsPSPµPICḡPsC,PëC†PSPsPiPs PSP°P±CḡCḡPeCḡ (PrPëPI. CḡPsP·PrC-P»
B«PµCḡPsC,PëPīPsPeP°P·P°PSPSCḡB»). P PsP·PīPsC†PëPSP°C,Pë P·P°CḡC,PsCḡCḡPIP°PSPSCḡ
CḡP°PeCḡP±C-C,CḡPëP»Cḡ/PIP°P»CḡP°CḡC,P°PSCḡ CḡP»C-Pr PSPµ CḡP°PSC-CëPµ PSC-Pḡ
C†PµCḡPµP· 36 PīPsPrPëPS PīC-CḡP»Cḡ PīCḡPëPNëPsPjCḡ PsCḡC,P°PSPSCHḡPsC— PrPsP·Pë
PīPµCḡPëPSPPrPsPīCḡPëP»Cḡ. Pj CḡP°P·C- PīCḡPëPīPëPSPµPSPSCḡ P»C-PeCḡPIP°PSPSCḡ
CḡP°PeCḡP±C-C,CḡPëP»PsPj/PIP°P»CḡP°CḡC,P°PSPsPj C,PµCḡP°PīC-Cḡ
PīPµCḡPëPSPPrPsPīCḡPëP»PsPj PīPsC,CḡC-P±PSPs CḡPsP·PīPsC†PëPSP°C,Pë PSPµ
CḡP°PSC-CëPµ PSC-Pḡ C†PµCḡPµP· 36 PīPsPrPëPS PīC-CḡP»Cḡ PīCḡPëPNëPsPjCḡ
PsCḡC,P°PSPSCHḡPsC— PrPsP·Pë CḡP°PeCḡP±C-C,CḡPëP»Cḡ/PIP°P»CḡP°CḡC,P°PSCḡ (PrPëPI.
CḡPsP·PrC-P»Pë B«PµCḡPsC,PëPīPsPeP°P·P°PSPSCḡB» C- B«P·P·P°C”PjPsPrC-Cḡ P·
C-PSCëPëPjPë P»C-PeP°CḡCḡCḡPePëPjPë P·P°CḡPsP±P°PjPë C,P° C-PSCëC- PIPëPrPë

PIP·P°C" PjPsPrC-PNᅔB»).

PᅔPrPSPsC‡P°CÍPSPᅓ P·P°CÍC,PsCÍCÍPIP°PSPSCÍ C-PSPiC-P±C-C,PsCᅒC-PI PᅔPᅓPᅔ P·
C-PSPiC-P±C-C,PsCᅒP°PjPᅔ PSpᅓPNᅔC,CᅒP°P»CHᅔPSPsC— PᅓPSPPrPsPᅓPᅓPᅓC,PᅔPrP°P·Pᅔ (PᅔP·Pᅓ)
(PSP°PᅓCᅒPᅔPᅔP»P°Pr CᅒP°C†PᅓPᅔP°PrPsC,CᅒPᅔP»PsPj), C-PSPiC-P±C-C,PsCᅒP°PjPᅔ mTOR
(PSP°PᅓCᅒPᅔPᅔP»P°Pr CÍPᅔCᅒPsP»C-PjCÍCÍPsPj, PᅓPIPᅓCᅒPsP»C-PjCÍCÍPsPj,
C,PᅓPjCÍPᅔCᅒPsP»C-PjCÍCÍPsPj) C,P° PiP»C-PᅓC,PᅔPSP°PjPᅔ (PSP°PᅓCᅒPᅔPᅔP»P°Pr
P»C-PSP°PiP»C-PᅓC,PᅔPSPsPj, CÍP°PᅔCÍP°PiP»C-PᅓC,PᅔPSPsPj, CÍPᅔC,P°PiP»C-PᅓC,PᅔPSPsPj,
PIC-P»CHᅔPrP°PiP»C-PᅓC,PᅔPSPsPj) PjPsPᅓPᅓ PᅓC-PrPIPᅔC%ᅔPᅔC,Pᅔ CᅒPᅔP·PᅔPᅔ
CᅒPsP·PIPᅔC,PᅔCÍ P°PSPiC-PsPSPᅓPICᅒPsC,PᅔC‡PSPsPiPs PSP°P±CᅒCᅒPᅔC
(PSP°PᅓCᅒPᅔPᅔP»P°Pr PSP°P±CᅒCᅒPᅔCÍ PrPᅔC...P°P»CHᅔPSPᅔC... CᅔP»CᅒC...C-PI P°P±Ps
CᅒP·PᅔPᅔP°, P· PᅓPsCᅒCÍCᅔPᅓPSPSCᅒPj C„CÍPSPᅔC†C-C— PrPᅔC...P°PSPSCÍ P°P±Ps P±PᅓP·)
(PrPᅔPI. CᅒPsP·PrC-P» B«P'P·P°C" PjPsPrC-Cᅒ P· C-PSCᅔPᅔPjPᅔ P»C-PᅔP°CᅒCÍCHᅔPᅔPjPᅔ
P·P°CÍPsP±P°PjPᅔ C,P° C-PSCᅔC- PIPᅔPrPᅔ PIP·P°C" PjPsPrC-PNᅔB»). PᅔP»C-Pr P·
PsP±PᅓCᅒPᅓPᅓPᅓPSC-CÍC,Cᅒ CᅒPsP·PᅓPsC‡PᅔPSP°C,Pᅔ P»C-PᅔCÍPIP°PSPSCÍ
CᅒP°C†PᅓPᅔP°PrPsC,CᅒPᅔP»PsPj, C-PSPiC-P±C-C,PsCᅒP°PjPᅔ mTOR (PSP°PᅓCᅒPᅔPᅔP»P°Pr
CÍPᅔCᅒPsP»C-PjCÍCÍPsPj, PᅓPIPᅓCᅒPsP»C-PjCÍCÍPsPj, C,PᅓPjCÍPᅔCᅒPsP»C-PjCÍCÍPsPj) C,P°
PiP»C-PᅓC,PᅔPSP°PjPᅔ (PSP°PᅓCᅒPᅔPᅔP»P°Pr P»C-PSP°PiP»C-PᅓC,PᅔPSPsPj,
CÍP°PᅔCÍP°PiP»C-PᅓC,PᅔPSPsPj, CÍPᅔC,P°PiP»C-PᅓC,PᅔPSPsPj,
PIC-P»CHᅔPrP°PiP»C-PᅓC,PᅔPSPsPj) CÍ PiP°C†C-C" PSC,C-PI, CᅒPᅔC- PIPᅓPᅓ
P·P°CÍC,PsCÍPsPICÍCᅒC,Cᅒ C-PSPiC-P±C-C,PsCᅒPᅔ PᅔPᅓPᅔ.

PᅔPSP°C„C-P»P°PᅔC,PsC—PrPSC- CᅒPᅓPᅓP°PᅔC†C-C— PᅓC-Pr C‡P°CÍ PiP»P°P·PjP°C„PᅓCᅒPᅓP·Cᅔ
P»C-PᅓPsPᅓCᅒPsC,PᅓC—PrC-PI PSPᅔP·CHᅔPᅔPsC— C%ᅔC-P»CHᅔPSPsCÍC,C- (P·PᅔP°).
PᅓPsPIC-PrPsPjP»CᅒP»Pᅔ PiCᅒPs CᅒC-PrPᅔC-CÍPSC- PIPᅔPiP°PrPᅔPᅔ PIPᅔPSPᅔPᅔPSPᅓPSPSCÍ
PSPᅓP±PᅓP·PiPᅓC‡PSPᅔC... PrP»Cᅒ PᅓPᅔC,Cᅒ P°PSP°C„C-P»P°PᅔC,PsC—PrPSPᅔC...
CᅒPᅓPᅓP°PᅔC†C-PNᅔ CÍ PiP°C†C-C" PSC,C-PI, CᅒPᅔC- PiCᅒPᅔPNᅔPjP°CᅒC,Cᅒ
C-PSPiC-P±C-C,PsCᅒPᅔ PᅔPᅓPᅔ, PiC-Pr C‡P°CÍ PiCᅒPsPIPᅓPrPᅓPSPSCÍ
PiP»P°P·PjP°C„PᅓCᅒPᅓP·CÍ P·PᅔPᅔPᅔPsCᅒPᅔCÍC,P°PSPSCᅒPj
PrPᅓPᅔCÍC,CᅒP°CÍCÍP»CHᅔC„P°C,CÍ. P PsP·PIPᅔC,PᅔCÍ P°PSP°C„C-P»P°PᅔC,PsC—PrPSPᅔC...
CᅒPᅓPᅓP°PᅔC†C-PNᅔ PjPsPᅓPSP° CÍPSPᅔPᅔPSCÍC,Pᅔ, CᅒPᅔC%ᅔPs PiPᅓCᅒPᅓPr
PiCᅒPsPIPᅓPrPᅓPSPSCᅒPj PᅔPsPᅓPSPsPiPs PiP»P°P·PjP°C„PᅓCᅒPᅓP·CÍ C,PᅔPjC‡P°CÍPsPIPᅔ
PiCᅒPᅔPiPᅔPSCᅒC,Pᅔ P»C-PᅔCÍPIP°PSPSCÍ C-PSPiC-P±C-C,PsCᅒP°PjPᅔ PᅔPᅓPᅔ.

PᅔPSP°C„C-P»P°PᅔC,PsC—PrPSC- CᅒPᅓPᅓP°PᅔC†C-C— PᅓC-Pr C‡P°CÍ
PrPᅓCÍPᅓPSCÍPᅔP±C-P»C-P·CᅔCᅒC‡PsC— C,PᅓCᅒP°PiC-C—. PᅓPsPIC-PrPsPjP»CᅒP»PsCÍCᅒ
PiCᅒPs PjPsPᅓP»PᅔPIC-CÍC,Cᅒ PIPᅔPSPᅔPᅔPSPᅓPSPSCÍ P°PSP°C„C-P»P°PᅔC,PsC—PrPSPᅔC...
CᅒPᅓPᅓP°PᅔC†C-PNᅔ CÍ PiP°C†C-C" PSC,C-PI, CᅒPᅔC- PiCᅒPᅔPNᅔPjP°CᅒC,Cᅒ
C-PSPiC-P±C-C,PsCᅒPᅔ PᅔPᅓPᅔ, PiC-Pr C‡P°CÍ PrPᅓCÍPᅓPSCÍPᅔP±C-P»C-P·CÍCᅒC‡PsPiPs
P»C-PᅔCÍPIP°PSPSCÍ P»C-PᅔP°CᅒCÍCHᅔPᅔPᅔPᅔ P·P°CÍPsP±P°PjPᅔ, C%ᅔPs PjC-CÍC,CᅒC,Cᅒ
P±PrPᅓPᅓP»PᅔPSCÍ PsC,CᅒCÍC,CÍ. PᅓPᅔC... CᅒPᅓPᅓP°PᅔC†C-PNᅔ PjPsPᅓPSP° CÍPSPᅔPᅔPSCÍC,Pᅔ,
CᅒPᅔC%ᅔPs C,PᅔPjC‡P°CÍPsPIPᅔ PiCᅒPᅔPiPᅔPSPᅔC,Pᅔ P·P°CÍC,PsCÍCÍPIP°PSPSCÍ
C-PSPiC-P±C-C,PsCᅒC-PI PᅔPᅓPᅔ, P°P»Pᅓ CᅒPᅓPᅓP°PᅔC†C-C— PjPsPᅓCÍC,Cᅒ
PIPᅔPSPᅔPᅔPSCÍC,Pᅔ P·PSPsPICÍ PiCᅒPᅔ PSpᅓPsP±PᅓCᅒPᅓPᅓPᅓPᅓPjCÍ PiPsPSPsPIP»PᅓPSPSC-
P»C-PᅔCÍPIP°PSPSCÍ.

PᅔPᅓPNᅔC,CᅒPsPiPᅓPSC-Cᅒ/P°PiCᅒP°PSCᅔP»PsC†PᅔC,PsP·/C,CᅒPsPjP±PsC†PᅔC,PsPiPᅓPSC-Cᅒ/P°
PSPᅓPjC-Cᅒ. Pj PiP°C†C-C" PSC,C-PI, CᅒPᅔC- PiCᅒPᅔPNᅔPjP°CᅒC,Cᅒ
C-PSPiC-P±C-C,PsCᅒPᅔ PᅔPᅓPᅔ, P±CÍP»Ps P·P°CᅒPᅓPᅓC" CÍC,CᅒPsPIP°PSPs
PIPᅔPiP°PrPᅔPᅔ PSpᅓPNᅔC,CᅒPsPiPᅓPSC-C—/P°PiCᅒP°PSCÍP»PsC†PᅔC,PsP·CÍ,
C,CᅒPsPjP±PsC†PᅔC,PsPiPᅓPSC-C— C,P° P°PSPᅓPjC-C—. Pj PiP°C†C-C" PSC,C-PI C-P·

PSPsCḡPjP°P»CHbPSPsCḡ C,,CfPSPeC†C-C”Cḡ PSPëCḡPsPe C,P° PïcḡPë
 PIC-PrCfCfC,PSPsCfC,C- C-PSCëPëC... C,,P°PeC,PscḡC-PI CḡPëP·PëPeCf
 PSPµPNëC,CḡPsPîPµPSC-Cl PIPëPSPëPeP°C” CḡC-PrPePs. PµPµCḡPëPSPrPsPîCḡPëP»
 CfP»C-Pr PïcḡPëP·PSP°C†P°C,Pë PrCfP¶Pµ PsP±PµCḡPµP¶PSPs PîP°C†C-C”PSC,P°Pj
 C-P· PePsP»P°PiPµPSPsP·P°PjPë, Pïc-Pr C†P°Cf C,PµCḡP°Pïc-C—
 C-PjCfPSPsCfCfPïcḡPµCfPsCḡP°PjPë, P°P»PsPîCfCḡPëPSPsP»PsPj C†Pë
 PïcḡPsPeP°C—PSP°PjC-PrPsPj P°P±Ps PïcḡPë PîPsC”PrPSP°PSPSC- C†PëC...
 PsP±C,C¶P¶P»PëPIPëC... C,,P°PeC,PscḡC-PI, PsCfPsP±P»PëIPs ClPeC%Ps C”
 PîPsCḡCfCëPµPSPSCl C,,CfPSPeC†C-C— PSPëCḡPsPe. Pj PrPµPePsPîPs P· C,P°PePëC...
 PîP°C†C-C”PSC,C-PI PIC-PrP·PSP°C†P°PICfC¶ CḡPsP·PIPëC,PsPe
 CfPµCḡPNëPsP·PSPëC... C-PSC,,PµPeC†C-PNëPSPëC... P·P°C...PIPscḡCḡPIP°PSCḡ,
 C-PSPsPrC- bḡ” CḡPµP·PëCfC,PµPSC,PSPëC... PrPs C-PSC,PµPSCfPëPIPSPsC—
 P°PSC,PëP±C-PsC,PëPePsC,PµCḡP°Pïc-C—. PîPeC%Ps PîPµCḡPëPSPrPsPîCḡPëP»
 PïcḡPëP·PSP°C†P°CḡC,CH C,P°PePëPj PîP°C†C-C”PSC,P°Pj,
 CḡPµPePsPjPµPSPrCfC”C,CHCfC¶ PîPµCḡC-PsPrPëC†PSPs PePsPSC,CḡPsP»CḡPIP°C,Pë
 PeC-P»CHbPeC-CfC,CH P»PµPNëPePsC†PëC,C-PI Cf PeCḡPsPIC-. PÿP°PePsP¶
 PîP°C†C-C”PSC,Pë PjP°CḡC,CH P·PSP°C,Pë, C%Ps PSPµPsP±C...C-PrPSPs
 PîPsPIC-PrPsPjP»ClC,Pë PïcḡPs P±CfPrCHb-ClPePëPNë PïcḡPsClPI
 C-PSC,,PµPeC†C-PNëPSPsPîPs P·P°C...PIPscḡCḡPIP°PSPSCl (P±C-P»CH Cf PîPsCḡP»C-,
 P»PëC...PsPjP°PSPeP°).

*P PµPSPsPIP°CfPeCzP»ClCḡPSP° Pïc-PîPµCḡC,PµPSP·C-Cl. Pj PîP°C†C-C”PSC,C-PI C-P·
 PrPIPps±C-C†PSPëPj CfC,PµPSPsP·PsPj PSPëCḡPePsPIPëC... P°CḡC,PµCḡC-PNë P°P±Ps
 CfC,PµPSPsP·PsPj P°CḡC,PµCḡC-C— C”PrPëPSPsC— C,,CfPSPeC†C-PsPSCfCḡC†PsC—
 PSPëCḡPePë Pïc-Pr C†P°Cf P»C-PeCfPIP°PSPSCl C-PSPiC-P±C-C,PscḡP°PjPë PḡPµPḡ
 Pïc-PrPIPëC%CfC”C,CHCfC¶ CḡPëP·PëPe PIPëPSPëPePSPµPSPSCl
 P°CḡC,PµCḡC-P°P»CHbPSPsC— Pïc-PîPsC,PµPSP·C-C— C,P° PSPëCḡPePsIPsC—
 PSPµPrPsCfC,P°C,PSPsCfC,C- (PrPëPI. CḡPsP·PrC-P» B«PµCḡPsC,PëPîPsPeP°P·P°PSPSClB»).*
*P—P°CfC,PsCfCfPIP°PSPSCl PrC-CfCḡPµC,PëPeC-PI PjPsP¶Pµ P±CfC,Pë
 CfPïcḡPëC¶C,P»PëPIPëPj C,,P°PeC,PscḡPsPj. P—PSPëP¶PµPSPSCl C,,CfPSPeC†C-C—
 PSPëCḡPsPe PjPsP¶Pµ CfCfPïcḡPsIPsPrP¶CfPIP°C,PëCfCH P»PëCëPµ PSPµP·PSP°C†PSPëPjPë
 P·PjC-PSP°PjPë CḡC-PIPSCl PeCḡPµP°C,PëPSC-PSCr Cf CfPëCḡPsPIP°C,C†C- PeCḡPsPIC-
 PSP°PIC-C,CH Cf PîP°C†C-C”PSC,C-PI P· PsPrPSPsP±C-C†PSPëPj CfC,PµPSPsP·PsPj
 PSPëCḡPePsIPsC— P°CḡC,PµCḡC-C—.*

*PµPsPrPIC-PNëPSP° P±P»PsPeP°PrP° CḡPµPSC-PS-P°PSPiC-PsC,PµPSP·PëPS-
 P°P»CHbPrPsCfC,PµCḡPsPSPsIPsC— CfPëCfC,PµPjPë (P PḡPḡPÿ). P†CfPSCfCḡC,CH PrP°PSC-,
 C%Ps PsPrPSPsC†P°CfPSPëPNë PïcḡPëPNëPsPj C-PSPiC-P±C-C,PscḡC-PI PḡPµPḡ,
 P±P»PsPeP°C,PscḡC-PI CḡPµC†PµPïc,PscḡC-PI P°PSPiC-PsC,PµPSP·PëPSCr P†P† P°P±Ps
 P°P»C-CfPeC-CḡPµPSCr Pïc-PrPIPëC%CfC” CḡPëP·PëPe PIPëPSPëPePSPµPSPSCl
 Pïc-PîPsC,PµPSP·C-C—, Pïc-PîPµCḡPeP°P»C-C”PjC-C— C,P° P·PSPëP¶PµPSPSCl
 C,,CfPSPeC†C-C— PSPëCḡPsPe (PIPeP»CḡC†P°CḡC†Pë PîPsCfC,CḡCf PSPëCḡPePsPICr
 PSPµPrPsCfC,P°C,PSC-CfC,CH). PÿPsPjCf PîPsPrPIC-PNëPSP° P±P»PsPeP°PrP° P PḡPḡPÿ
 CëP»ClC...PsPj PsPrPSPsC†P°CfPSPsPîPs PïcḡPëPNëPsPjCf C-PSPiC-P±C-C,PscḡC-PI PḡPµPḡ,
 P±P»PsPeP°C,PscḡC-PI CḡPµC†PµPïc,PscḡC-PI P°PSPiC-PsC,PµPSP·PëPSCr P†P† P°P±Ps
 P°P»C-CfPeC-CḡPµPSCr PSPµ CḡPµPePsPjPµPSPrPsPIP°PSP° (PrPëPI. CḡPsP·PrC-P»
 B«P·P·P°C”PjPsPrC-Cl P· C-PSCëPëPjPë P»C-PeP°CḡCfCHbPePëPjPë P·P°CfPsP±P°PjPë C,P°
 C-PSCëC- PIPëPrPë PIP·P°C”PjPsPrC-PNëB»). PîPeC%Ps P»C-PeCfPIP°PSPSCl P·
 PsPrPSPsC†P°CfPSPëPj P·P°CfC,PsCfCfPIP°PSPSClPj PrPIPsc... P±P»PsPeP°C,PscḡC-PI*

P PħPħPŸ PIPIP°P¶P°C”C,CHCÍCÍ P°P±CÍPsP»CHC,PSPs PSPµPsP±C...C-PrPSPëPj, PIPsPSPs
PjPsP¶Pµ PIC-PrP±CÍPIP°C,PëCÍCÍ C,C-P»CHPePë Pïc-Pr PSP°PiP»CÍPrPsPj
CÍPiPµC†C-P°P»C-CÍC,P° C,P° P·P° CÍPjPsPIPë C†P°CÍC,PsPiPs CħPµC,PµP»CHPSPsPiPs
PjPsPSC-C,PsCħPëPSPiCÍ C,,CÍPSPeC†C-C— PSPëCħPsPe, CħC-PIPSCÍ
PµP»PµPeC,CħPsP»C-C,C-PI C,P° P°CħC,PµCħC-P°P»CHPSPsPiPs C,PëCÍPeCÍ.
P†PSPiC-P±C-C,PsCħPë PħPµPα C- P±P»PsPeP°C,PsCħPë CħPµC†PµPïc,PsCħC-PI
P°PSPiC-PsC,PµPSP·PëPSCÍ P†P† PSPµ CÍP»C-Pr P·P°CÍC,PsCÍPsPICÍPIP°C,Pë
PsPrPSPsC†P°CÍPSPs PïP°C†C-C”PSC,P°Pj P· PrC-P°P±PµC,PëC†PSPsCħ
PSPµC,,CħPsPïP°C,C-C”Cħ.

PµPµCħPIPëPSPSPëPñ P°P»CHPrPsCÍC,PµCħPsPSC-P·Pj. PµP°C†C-C”PSC,Pë P·
PïPµCħPIPëPSPSPëPj PiC-PïPµCħP°P»CHPrPsCÍC,PµCħPsPSC-P·PjPsPj, CÍPe PïcħP°PIPëP»Ps,
PSPµ PIC-PrPïPsPIC-PrP°CħC,CH PSP° P»C-PeCÍPIP°PSPSCÍ
P°PSC,PëPiC-PïPµCħC,PµPSP·PëPIPSPëPjPë P»C-PeP°CħCÍCHPePëPjPë P·P°CÍPsP±P°PjPë,
CÍPeC- PrC-CħC,CH C€P»CÍC...PsPj PïcħPëPiPSC-C†PµPSPSCÍ CħPµPSC-PS-
P°PSPiC-PsC,PµPSP·PëPSPsPiPsC— CÍPëCÍC,PµPjPë. PŸPsPjCÍ C,P°PePëPj PïP°C†C-C”PSC,P°Pj
P·P°CÍC,PsCÍPsPICÍPIP°C,Pë PrP°PSPëPñ P»C-PeP°CħCÍCHPePëPñ P·P°CÍC-P± PSPµ
CħPµPePsPjPµPSPPrCÍC”C,CHCÍCÍ.

P—P°PiPsP±C-P¶PSC- P·P°C...PsPrPë PïcħPë P·P°CÍC,PsCÍC¿PIP°PSPSC-
PïPµCħPëPSPPrPsPïcħPëP»C¿

P”C-PiPsC,PµPSP·C-CÍ. P†PSPiC-P±C-C,PsCħPë PħPµPα PjPsP¶CÍC,CH CÍPïcħPëC†PëPSPëC,Pë
CħC-P·PePµ P·PSPëP¶PµPSPSCÍ P°CħC,PµCħC-P°P»CHPSPsPiPs C,PëCÍPeCÍ.
PŸPëPjPïc,PsPjP°C,PëC†PSP° PiC-PïPsC,PµPSP·C-CÍ CħC-PrPePs
CÍPiPsCÍC,PµCħC-PiP°C”C,CHCÍCÍ CÍ PïP°C†C-C”PSC,C-PI P· PSPµCÍCÍPeP»P°PrPSPµPSPsCħ
PiC-PïPµCħC,PµPSP·C-C”Cħ C,P° C†P°CÍC,C-C€Pµ PIPëPSPëPeP°C” CÍ PïP°C†C-C”PSC,C-PI P·
PiC-PïPsPiPsP»PµPjC-C”Cħ, PSP°PïcħPëPeP»P°Pr PïcħPë C,PµCħP°Pïc-C—
PrC-CÍCħPµC,PëPeP°PjPë, Pïc-Pr C†P°CÍ P±PµP·CÍPsP»CHPsPiPsC— PrC-C”C,Pë, PïcħPë
PiPµPjPsPrC-P°P»C-P·C-, PrC-P°CħPµC— P°P±Ps P±P»CħPIP°PSPSC-, P°P±Ps CÍ
PïP°C†C-C”PSC,C-PI C-P· C,CÍP¶PePsCħ CħPµPSC-PS-P·P°P»PµP¶PSPsCħ
PiC-PïPµCħC,PµPSP·C-C”Cħ (PrPëPI. CħPsP·PrC-P»Pë B«P’P·P°C”PjPsPrC-CÍ P· C-PSC€PëPjPë
P»C-PeP°CħCÍCHPePëPjPë P·P°CÍPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C”PjPsPrC-PñB»
C,P° B«PµPsP±C-C†PSC- CħPµP°PeC†C-C—B»). PµP°C†C-C”PSC,P°Pj P· PIPëCÍPsPePëPj
CħPëP·PëPePsPj PIPëPSPëPePSPµPSPSCÍ CÍPëPjPïc,PsPjP°C,PëC†PSPsC—
PiC-PïPsC,PµPSP·C-C—, P° C,P°PePsP¶ PïP°C†C-C”PSC,P°Pj P· C-C€PµPjC-C†PSPsCħ
C...PIPsCħPsP±PsCħ CÍPµCħC†CÍ P°P±Ps P· C†PµCħPµP±CħPsPIP°CÍPeCÍP»CÍCħPSPëPjPë
P·P°C...PIPsCħCħPIP°PSPSCÍPjPë, PI CÍPePëC... PSP°PrPjC-CħPSPµ P·PSPëP¶PµPSPSCÍ
P°CħC,PµCħC-P°P»CHPSPsPiPs C,PëCÍPeCÍ PjPsP¶Pµ CÍPïcħPëC†PëPSPëC,Pë
CħPsP·PIPëC,PsPe C-PSC,,P°CħPeC,CÍ PjC-PsPeP°CħPrP° P°P±Ps C-PSCÍCÍP»CHC,CÍ, Pïc-Pr
C†P°CÍ P»C-PeCÍPIP°PSPSCÍ P»C-PeP°CħCÍCHPePëPj P·P°CÍPsP±PsPj PħPħ-PħP·P†PŸP·P
CÍP»C-Pr CħPµC,PµP»CHPSPs PePsPSC,CħPsP»CħPIP°C,Pë P°CħC,PµCħC-P°P»CHPSPëPñ
C,PëCÍPe, C,,CÍPSPeC†C-Cħ PSPëCħPsPe, P° C,P°PePsP¶ PePsPSC†PµPSC,CħP°C†C-Cħ
PeP°P»C-Cħ CÍ CÍPëCħPsPIP°C,C†C- PeCħPsPIC-. PµCħPë PIPëPSPëPePSPµPSPSC-
PiC-PïPsC,PµPSP·C-C— PïP°C†C-C”PSC,P° PSPµPsP±C...C-PrPSPs PïPµCħPµPIPµCÍC,Pë CÍ
PiPsCħPëP·PsPSC,P°P»CHPSPµ PïPsP»PsP¶PµPSPSCÍ C,P° CÍ CħP°P·C-
PSPµPsP±C...C-PrPSPsCÍC,C- PIPiPµCÍC,Pë PIPSCÍC,CħC-C€PSCħPsPiPµPSPSPs 0,9 %
CħPsP·C†PëPS C...P»PsCħPëPrCÍ PSP°C,CħC-Cħ. PŸCħP°PSP·PëC,PsCħPSP°
PiC-PïPsC,PµPSP·C-CÍ PSP° PiPsC†P°C,PeCÍ P»C-PeCÍPIP°PSPSCÍ PSPµ C”
PïcħPsC,PëPiPsPeP°P·P°PSPSCÍPj PrP»CÍ PïPsPrP°P»CHC€PsPiPs PïcħPëPñPsPjCÍ
P»C-PeP°CħCÍCHPePsPiPs P·P°CÍPsP±CÍ, CÍPePëPñ P·P°P·PIPëC†P°Pñ PjPsP¶PSP°

$P_{\mu}P_{\mu}C\ddot{C}-PSPePsPIP^{\circ}PSP_{\mu}PrPsC\acute{C}C,P^{\circ}C,PSC-C\acute{C}C,CH_{\bullet}$. $P\ C-PrPePs\ P\ddot{C}TjP\ddot{P}N_{\bullet}PsPj$
 $C-PSPiC-P\pm C-C,P_sC\ddot{C}C-PI\ P_{\hbar}P_{\Pi}P_{\alpha}\ P\pm CrPI\ P\ddot{P}sPIB\ddot{T}^{\text{TM}}C\ddot{C}P\cdot P^{\circ}PSP\ddot{P}N_{\bullet}\ C-P\cdot\ C\acute{C}P\ddot{P}SPPrC\ddot{C}PsPjPsPj,$
 $C\ddot{C}PeP\ddot{P}N_{\bullet}\ P\ddot{P}sC\ddot{C}P\ddot{P}SP^{\circ}C,C\ddot{C}C\acute{C}C\ddot{C}\ P\cdot\ C...PsP\rangle P_{\mu}C\acute{C}C,P^{\circ}C,P\ddot{C}\ddot{C}PSPsC- P\P_{\text{P}}PsPIC,C\ddot{C}PSP\ddot{C}\ddot{C}C-$
 $C,P^{\circ}\ C\ddot{C}PsP\cdot PIP\ddot{P}IP^{\circ}C,C\ddot{C}C\acute{C}C\ddot{C}\ C\acute{C}\ C\epsilon PIP\ddot{P}PrPePsP\ddot{P}\rangle P\ddot{P}SPSP\ddot{P}N_{\bullet}\ PSP_{\mu}PeC\ddot{C}PsP\cdot$
 $P\ddot{P}_{\mu}C\ddot{C}C-PSPeP\ddot{e},\ C-PSPsPrC- P\cdot\ P\rangle P_{\mu}C,P^{\circ}P\rangle C\ddot{C}PSP\ddot{P}j\ PSP^{\circ}C\acute{C}P\rangle C-PrPePsPj.\ P_{\hbar}P_{\mu}C...P^{\circ}PSC-P\cdot Pj$
 $PIP\ddot{P}SP\ddot{P}PePSP_{\mu}PSPSC\ddot{C}\ C\ddot{C}C\ddot{C}PsPiPs\ C\acute{C}P\ddot{P}SPPrC\ddot{C}PsPjC\acute{C}\ PSP_{\mu}PIC-PrPsPjP\ddot{P}N_{\bullet}.$
 $P_{\mu}P^{\circ}C\ddot{C}C-C^{\circ}PSC,P\ddot{e},\ C\acute{C}\ C\ddot{C}PeP\ddot{e}C... PSP^{\circ}\ C,P\rangle C- P\ddot{C}TjP\ddot{P}N_{\bullet}PsPjC\acute{C}\ C-PSPiC-P\pm C-C,P_sC\ddot{C}C\ C\ P_{\hbar}P_{\Pi}P_{\alpha}$

PeP°P»C-PN₂P·P±PμC₇C-PiP°C₇C₇PePjPë PrC-CrC₇PμC,PëPeP°PjPë
 (C₇PiC-C₇PsPSPsP»P°PeC,PsPS, PμPiP»PμC₇PμPSPsPS, C,C₇PëP°PjC,PμC₇PμPS P°P±Ps
 P°PjC-P»PsC₇PëPr), P· C...P°C₇C₇PsPIPëPjPë PrPsP±P°PIPeP°PjPë, C°Ps PjC-C₇C,C₇C,C₇
 PeP°P»C-PN₂, P°P±Ps P·P°PjC-PSPSPëPeP°PjPë C₇PsP»C- P· PeP°P»C-C°Pj, P°P±Ps PiC₇PëPN₂PsPj
 C-PSCëPëC... P»C-PeP°C₇C₇PePëC... P·P°C₇PsP±C-PI, C°Ps PIPëPeP»PëPeP°C₇C,C₇
 PiC-PrPIPëC°PμPSPSC₇ PePsPSC₇PμPSC,C₇P°C₇C- PeP°P»C-C₇ Cr C₇PëC₇PsPIP°C,C₇C-
 PeC₇PsPIC- (PiPμPiP°C₇PëPS, PePs-C,C₇PëPjPsPeC₇P°P·PsP», C,P°PePsP₇ PIC-PrPsPjPëPN₂ C₇Pe
 C,C₇PëPjPμC,PsPiC₇PëPj/C₇CrP»C₇C,,P°PjPμC,PsPeC₇P°P·PsP»), C- PsC₇PsP±P»PëPIPs
 P°PSC,P°PiPsPSC-C₇C,C-PI P°P»C₇PrPsC₇C,PμC₇PsPSC₇ P°P±Ps P±P»PsPeP°C,PsC₇C-PI
 C₇PμC₇PμPiC,PsC₇C-PI P°PSPiC-PsC,PμPSP·PëPSC₇. P-P°C₇C,PsC₇CrPIP°PSPSC₇
 C...P°C₇C₇PsPIPëC... PrPsP±P°PIPsPe, C°Ps PjC-C₇C,C₇C,C₇ PeP°P»C-PN₂,
 PeP°P»C-PN₂P·P±PμC₇C-PiP°C₇C₇PeC... PrC-CrC₇PμC,PëPeC-PI P°P±Ps P·P°PjC-PSPSPëPeC-PI
 C₇PsP»C- P· PeP°P»C-C°Pj, PsC₇PsP±P»PëPIPs Cr PiP°C₇C-C°PSC,C-PI C-P·
 PiPsC₇CrCëPμPSPSC₇Pj C,,CrPSPeC₇C-C- PSPëC₇PsPe, PjPsP₇Pμ PiC₇PëP·PIPμC₇C,Pë PrPs
 P·PSP°C₇PsPiPs PiC-PrPIPëC°PμPSPSC₇ C₇C-PIPSC₇ PeP°P»C-C₇ PI C₇PëC₇PsPIP°C,C₇C-
 PeC₇PsPIC-. P°C-PiPμC₇PeP°P»C-C°PjC-C₇ PjPsP₇Pμ C₇PiC₇PëC₇PePSPëC,Pë
 PIPëPSPëPePSPμPSPSC₇ C₇PμC₇PN₂PsP·PSPsC-, C-PSPsPrC- P»PμC,P°P»C₇PsPSC-
 P°C₇PëC,PjC-C-. PμP°C₇C-C°PSC,P°Pj, C₇PeC- P·P°C₇C,PsC₇PsPIC₇C₇C,C₇
 C-PSPiC-P±C-C,PsC₇Pë P₇PμP₇, C₇P»C-Pr P· PsP±PμC₇PμP₇PS-C₇C,C₇
 P·P°C₇C,PsC₇PsPIC₇PIP°C,Pë PeP°P»C-PN₂P·P±PμC₇C-PiP°C₇C₇PeC- PrC-CrC₇PμC,PëPePë C-
 P±P»PsPeP°C,PsC₇Pë C₇PμC₇PμPiC,PsC₇C-PI P°PSPiC-PsC,PμPSP·PëPSC₇, P° C,P°PePsP₇
 PiC₇PsPiPsPrPëC,Pë C₇PμC,PμP»C₇PsPëPN₂ PjPsPSC-C,PsC₇PëPSPi C₇C-PIPSC₇ PeP°P»C-C₇
 Cr C₇PëC₇PsPIP°C,C₇C- PeC₇PsPIC- C,P° C,,CrPSPeC₇C-C- PSPëC₇PsPe. P₇PeC°Ps
 PsPrPSPsC₇P°C₇PSPμ P·P°C₇C,PsC₇CrPIP°PSPSC₇ PiPμC₇PëPSPrPsPiC₇PëP»Cr C- P±CrPrC₇-
 C₇PePsC- P· PIPëC°PμP·P°P·PSP°C₇PμPSPëC... C₇PμC₇PsPIPëPS PIPiP°P₇P°C,C₇C₇C₇
 PrPsC₇C-P»C₇PsPëPj, C-C... C₇P»C-Pr P·P°C₇C,PsC₇PsPIC₇PIP°C,Pë P·
 PsP±PμC₇PμP₇PS-C₇C,C₇ C,P° C₇P°C₇C,Ps PePsPSC,C₇PsP»C₇PIP°C,Pë C₇C-PIPμPSC₇
 PeP°P»C-C₇ PI C₇PëC₇PsPIP°C,C₇C- PeC₇PsPIC- (PrPëPI. C₇PsP·PrC-P» B«P·P·P°C°PjPsPrC-C₇
 P· C-PSCëPëPjPë P»C-PeP°C₇C₇PePëPjPë P·P°C₇PsP±P°PjPë C,P° C-PSCëC- PIPëPrPë
 PIP·P°C°PjPsPrC-PN₂B»).

*PμP°C₇C-C°PSC,P°Pj C-P· C₇C₇PeC₇PsPIPëPj PrC-P°P±PμC,PsPj, C₇PeC- PiC₇PëPN₂PjP°C₇C,C₇
 PiPμC₇PsC₇P°P»C₇PsPSC- C₇CrPeC₇PsP·PSPëP₇CrPIP°P»C₇PsPSC- P·P°C₇PsP±Pë P°P±Ps
 PsC,C₇PëPjCrC₇C,C₇ C-PSC₇CrP»C-PS, PSPμPsP±C...C-PrPSPs C₇PμC,PμP»C₇PsP
 PePsPSC,C₇PsP»C₇PIP°C,Pë C₇C-PIPμPSC₇ PiP»C-PePμPjC-C- PiC₇PsC,C₇PiPsPj
 PiPμC₇CëPsPiPs PjC-C₇C₇C₇C₇ C,PμC₇P°PiC-C- C-PSPiC-P±C-C,PsC₇P°PjPë P₇PμP₇ (PrPëPI.
 C₇PsP·PrC-P» B«P·P·P°C°PjPsPrC-C₇ P· C-PSCëPëPjPë P»C-PeP°C₇C₇PePëPjPë
 P·P°C₇PsP±P°PjPë C,P° C-PSCëC- PIPëPrPë PIP·P°C°PjPsPrC-PN₂B»).*

P-P°PiPsP±C-P₇PS-C- P·P°C...PsPrPë PiC₇Pë P·P°C₇C,PsC₇CrPIP°PSPSC- P°PjP»PsPrPëPiC-PSC₇

P'PμP·PiPμPeCr C,P° PμC,,PμPeC,PëPIPsC-C₇C,C₇ P·P°C₇C,PsC₇CrPIP°PSPSC₇
 P°PjP»PsPrPëPiC-PSC₇ Cr C₇C,P°PSC- PiC-PiPμC₇C,PsPSC-C₇PsPiPs PeC₇PëP·Cr
 PrPsPIPμPrPμPSPs PSPμ P±CrP»Ps.

*P₇PμC₇C₇PμPIP° PSPμPrPsC₇C,P°C,PSC-C₇C,C₇. P₇P°PePëPj PiP°C₇C-C°PSC,P°Pj
 PiC₇PëP·PSP°C₇P°C,Pë P°PjP»PsPrPëPiC-PS C₇P»C-Pr P· PsP±PμC₇PμP₇PS-C₇C,C₇. Pj
 PrPsPiPiPsC,C₇PëPIP°P»PsPjCr PiP»P°C₇PμP±PsPePsPSC,C₇PsP»C₇PsPIP°PSPsPjCr
 PrPsC₇P»C-PrP₇PμPSPSC- P· CrC₇P°C₇C,C₇ PiP°C₇C-C°PSC,C-PI C-P· C₇PμC₇C₇PμPiPsC₇
 PSPμPrPsC₇C,P°C,PSC-C₇C,C₇ C,C₇P₇PePsPiPs C₇C,C₇PiPμPSC₇ (P₇P₇P₇IV
 C,,CrPSPeC₇C-PsPSP°P»C₇PsPëC... PeP»P°C₇C-PI NYHA) PiC₇Pë P·P°C₇C,PsC₇CrPIP°PSPSC-
 P°PjP»PsPrPëPiC-PSC₇ C₇P°C₇C,PsC,P° PIPëPiP°PrPeC-PI C₇PsP·PIPëC,PeCr PSP°P±C₇C₇PeCr*

P»PµPiPµPSCĤ P±CfP»P° PIPëC%PsCĤ PĪPsCĤC-PIPSCĪPSPs C-P·
P·P°CfC,PsCfCfPIP°PSPSCĪPj PĪP»P°C†PµP±Ps (PrPëPI. CĤPsP·PrC-P»
B«PαP°CĤPjP°PePsPrPëPSP°PjC-PeP°B»). PhPSC,P°PiPsPSC-CfC,Pë PeP°P»CHC†C-CĤ,
PIPeP»CĤC†P°CĤC†Pë P°PjP»PsPrPëPĪC-PS, PSPµPsP±C...C-PrPSPs PĪCĤPëP·PSP°C†P°C,Pë P·
PsP±PµCĤPµP¶PSC-CfC,CĤ PĪP°C†C-C"PSC,P°Pj C-P· P·P°CfC,C-PNëPSPsCĤ
CfPµCĤC†PµPIPsCĤ PSPµPrPsCfC,P°C,PSC-CfC,CĤ, C,PsPjCf C%Ps PIPsPSPë PjPsP¶CfC,CH
PĪC-PrPIPëC%CrPIP°C,Pë CĤPëP·PëPe CĤPsP·PIPëC,PeCf
PeP°CĤPrC-PsPIP°CfPeCfP»CĪCĤPSPëC... PĪPsPrC-PNë C,P° P»PµC,P°P»CHPSPsPiPs
PSP°CfP»C-PrPeCf Cf PjP°PNëP±CfC,PSCĤPsPjCf.

PµPµC†C-PSPePsPIP° PSPµPrPsCfC,P°C,PSC-CfC,CH. Pj PĪP°C†C-C"PSC,C-PI C-P·
PĪPsCĤCfC€PµPSPSCĪPj C,,CfPSPeC†C-C— PĪPµC†C-PSPePë PĪPµCĤC-PsPr
PSP°PĪC-PIPIPëPĪPµPrPµPSPSCĪ P°PjP»PsPrPëPĪC-PSCf C" PĪPsPrPsPIP¶PµPSPëPj, P°
P·PSP°C†PµPSPSCĪ AUC BĤ" PIPëCfPsPePµ; CĤPµPePsPjPµPSPPrP°C†C-C— C%PsPrPs
PrPsP·CfPIP°PSPSCĪ PSPµ PIPëP·PSP°C†PµPSC-. PŷPsPjCf P»C-PeCfPIP°PSPSCĪ
P°PjP»PsPrPëPĪC-PSPsPj PSPµPsP±C...C-PrPSPs CĤPsP·PĪPsC†PëPSP°C,Pë P·
PSP°PNëPSPëP¶C†PëC... PrPsP· C,P° P· PsP±PµCĤPµP¶PSC-CfC,CĤ CĪPe PĪCĤPë
C-PSC-C†C-P°C†C-C— P»C-PeCfPIP°PSPSCĪ, C,P°Pe C- PĪC-Pr C†P°Cf PĪC-PrPIPëC%PµPSPSCĪ
PrPsP·. PµP°C†C-C"PSC,P°Pj P· PĪPsCĤCfC€PµPSPSCĪPj C,,CfPSPeC†C-C— PĪPµC†C-PSPePë
C,CĪP¶PePsPiPs CfC,CfPĪPµPSCĪ PjPsP¶Pµ P±CfC,Pë PSPµPsP±C...C-PrPSPëPj
PĪPsCfC,CfPĪPsPIPëPNë PĪC-PrP±C-CĤ PrPsP· C,P° CĤPµC,PµP»CHPSPëPNë
PjPsPSC-C,PsCĤPëPSPi.

PµP°C†C-C"PSC,Pë P»C-C,PSCĤPsPiPs PIC-PeCž. PµC-PrPIPëC%CrPIP°C,Pë PrPsP·Cf
PĪP°C†C-C"PSC,P°Pj P»C-C,PSCĤPsPiPs PIC-PeCf PĪPsC,CĤC-P±PSPs P·
PsP±PµCĤPµP¶PSC-CfC,CĤ (PrPëPI. CĤPsP·PrC-P»Pë B«PαP°CĤPjP°PePsPrPëPSP°PjC-PeP°B» C-
B«PŷPĪPsCfC-P± P·P°CfC,PsCfCfPIP°PSPSCĪ C,P° PrPsP·PëB»).

PkPëCĤPePsPIP° PSPµPrPsCfC,P°C,PSC-CfC,CH. PŷP°PePëPj PĪP°C†C-C"PSC,P°Pj
P°PjP»PsPrPëPĪC-PS PjPsP¶PSP° P·P°CfC,PsCfCfPICfPIP°C,Pë Cf P·PIPëC†P°PNëPSPëC...
PrPsP·P°C.... PŷPsP»PëPIP°PSPSCĪ PePsPSC†PµPSC,CĤP°C†C-C— P°PjP»PsPrPëPĪC-PSCf Cf
PĪP»P°P·PjC- PeCĤPsPIC- PSPµ P·P°P»PµP¶P°C,CH PIC-Pr CfC,CfPĪPµPSCĪ PSPëCĤPePsPiPsC—
PSPµPrPsCfC,P°C,PSPsCfC,C-. PhPjP»PsPrPëPĪC-PS PSPµ PIPëPIPsPrPëC,CHCfCĪ PĪC-Pr
C†P°Cf PrC-P°P»C-P·Cf.

P—P°CfC,PµCĤPµP¶PµPSPSCĪ C%PsPrPs P·P°CfC,PsCfCžPIP°PSPSCĪ
P»C-PeP°CĤCfCHPePsPiPs P·P°CfPsP±Cž PhPĥ-PĥP>P†PŷP·P

P"PsPĪPsPjP¶PSi CĤPµC†PsPIPëPSPë. P"Ps CfPeP»P°PrCf P»C-PeP°CĤCfCHPePsPiPs
P·P°CfPsP±Cf PIC...PsPrPëC,CH P»P°PeC,PsP·P°, C,PsPjCf PĪP°C†C-C"PSC,P°Pj P·
CfCĤPsPrP¶PµPSPsCĤ PSPµPĪPµCĤPµPSPsCfPëPjC-CfC,CĤ PĪP°P»P°PeC,PsP·Pë,
CfPëPSPPrCĤPsPjPsPj PjP°P»CHP°P±CfPsCĤP±C†C-C— PĪP»CHPePsP·Pë C,P°
PĪP°P»P°PeC,PsP·Pë, P·P°PiP°P»CHPSPëPj PrPµC,,C-C†PëC,PsPj P»P°PeC,P°P·Pë PSPµ
CĤPµPePsPjPµPSPPrPsPIP°PSPs PNëPsPiPs PĪCĤPëP·PSP°C†P°C,Pë.

P'P·P°C"PjPsPrC-C—. PhPrPSPsC†P°CfPSPµ P·P°CfC,PsCfCfPIP°PSPSCĪ P»C-C,C-CĤ,
PeP°P»C-PNëP·P±PµCĤC-PĪP°CĤC†PëC... P»C-PeP°CĤCfCHPePëC... P·P°CfPsP±C-PI,
C...P°CĤC†PsPIPëC... PrPsP±P°PIPsPe, C%Ps PjC-CfC,CĪC,CH PeP°P»C-PNë, P°P±Ps
PrP°PSC,CĤPsP»PµPSCf P· P»C-PeP°CĤCfCHPePëPj P·P°CfPsP±PsPj PhPĥ-PĥP>P†PŷP·P PSPµ
CĤPµPePsPjPµPSPPrPsPIP°PSPµ (PrPëPI. CĤPsP·PrC-P» B«P'P·P°C"PjPsPrC-CĪ P·
C-PSC€PëPjPë P»C-PeP°CĤCfCHPePëPjPë P·P°CfPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë
PIP·P°C"PjPsPrC-PNëB»).

***P—P°CÍC,PsCÍCzPIP°PSPSCÍ Cz PiPµCĤC-PsPr PIP°PiC-C,PSPsCÍC,C- P°P±Ps
PiPsPrCzPIP°PSPSCÍ PiCĤCzPrPrCĤ.***

P—P°CÍC,PsCÍCzPIP°PSPSCÍ P»C-PeP°CĤCÍCHPePsPiPs P·P°CÍPsP±CÍ PhPĤ-PhP>P†PÿP·P
PiCĤPsC,PëPiPsPeP°P·P°PSPµ CÍ PiPµCĤC-PsPr PIP°PiC-C,PSPsCÍC,C-.

P—P°CÍC,PsCÍCzPIP°PSPSCÍ P»C-PeP°CĤCÍCHPePsPiPs P·P°CÍPsP±CÍ PhPĤ-PhP>P†PÿP·P
PSPµ CĤPµPePsPjPµPSPPrPsPIP°PSPµ CÍ PiPµCĤC-PsPr PiPsPrCÍPIP°PSPSCÍ PiCĤCÍPrPrCĤ. PJ
CĤP°P·C- PSPµPsP±C...C-PrPSPsCÍC,C- P·P°CÍC,PsCÍCzPIP°PSPSCÍ P»C-PeP°CĤCÍCHPePsPiPs
P·P°CÍPsP±CÍ PiPsPrCÍPIP°PSPSCÍ PiCĤCÍPrPrCĤ CÍP»C-Pr PiCĤPëPiPëPSPëC,Pë.

P'P°PiC-C,PSC-CÍC,CH

PµPµCĤPëPSPPrPsPiCĤPëP». P—P°CÍC,PsCÍCzPIP°PSPSCÍ C-PSPiC-P±C-C,PsCĤC-PI PhPµPα
PiCĤPsC,PëPiPsPeP°P·P°PSPµ CÍ PiPµCĤC-PsPr PIP°PiC-C,PSPsCÍC,C-.
PµPµCĤPµPePsPSP»PëPIPëC... PµPiC-PrPµPjC-PsP»PsPiC-C±PSPëC... PrPsPeP°P·C-PI
C,PµCĤP°C,PsPiPµPSPSPsPiPs CĤPëP·PëPeCÍ PiCĤPë P·P°CÍC,PsCÍCzPIP°PSPSC-
C-PSPiC-P±C-C,PsCĤC-PI PhPµPα PiCĤPsC,CÍPiPsPj P† C,CĤPëPjPµCÍC,CĤCÍ
PIP°PiC-C,PSPsCÍC,C- PSPµPjP°C"; PsPrPSP°Pe PSPµ PjPsP¶PSP° PIPëPeP»CĤC±P°C,Pë
PSPµPIPµP»PëPePµ PiC-PrPIPëC%PµPSPSCÍ C†CHPsPiPs CĤPëP·PëPeCÍ. PJ CĤP°P·C- PePsP»Pë
PiCĤPsPrPsPIP¶PµPSPSCÍ P»C-PeCÍPIP°PSPSCÍ C-PSPiC-P±C-C,PsCĤP°PjPë PhPµPα
PIPIP°P¶P°C",CHCÍCÍ PsP±PsPiBĤ™ CÍP·PePsPIPëPj, PiP°C†C-C"°PSC,PsPe, CÍPeC-
PiP»P°PSCÍCĤC,CH PIP°PiC-C,PSC-CÍC,CH, CÍP»C-Pr PiPµCĤPµPIPµCÍC,Pë PSP°
P°P»CHC,PµCĤPSP°C,PëIPSC- P°PSC,PëPiC-PiPµCĤC,PµPSP·PëIPSC- P»C-PeP°CĤCÍCHPeC-
P·P°CÍPsP±Pë, CÍPeC- PjP°CĤC,CH PiC-PrC,PIPµCĤPrP¶PµPSCÍ P±PµP·PiPµPeCÍ
P·P°CÍC,PsCÍCzPIP°PSPSCÍ PI PiPµCĤC-PsPr PIP°PiC-C,PSPsCÍC,C-. PiPeC%Ps PI
PiPµCĤC-PsPr P»C-PeCÍPIP°PSPSCÍ PiC-PrC,PIPµCĤPrP¶CÍC",CHCÍCÍ
PIP°PiC-C,PSC-CÍC,CH, P»C-PeCÍPIP°PSPSCÍ C-PSPiC-P±C-C,PsCĤP°PjPë PhPµPα CÍP»C-Pr
PSPµPiP°PNPSPs PiCĤPëPiPëPSPëC,Pë C-, CÍPeC%Ps PSPµPsP±C...C-PrPSPs, P·P°PjC-PSPëC,Pë
C-PSCëPëPj P»C-PeP°CĤCÍCHPePëPj P·P°CÍPsP±PsPj, PrPsP·PiPsP»PµPSPëPj PrP»CÍ
P·P°CÍC,PsCÍCzPIP°PSPSCÍ PIP°PiC-C,PSPëPj. P'C-PrPsPjPs, C%Ps PiCĤPëPNPSPj
C-PSPiC-P±C-C,PsCĤC-PI PhPµPα PiC-Pr C±P°CÍ P†P† C- P†P†P† C,CĤPëPjPµCÍC,CĤC-PI
PIP°PiC-C,PSPsCÍC,C- PiCĤPëP·PiPsPrPëC,CH PrPs C,,PµC,PsC,PsPeCÍPëC±PSPsCÍC,C-
(PiPsCĤCÍCëPµPSPSCÍ C,,CÍPSPeC†C-C— PSPëCĤPsPe, PjP°P»PsPiPsPrPrCÍ,
CÍPiPsPIC-P»CHPSPµPSPSCÍ C,,PsCĤPjCÍPIP°PSPSCÍ PeC-CÍC,PePsPiPsC—
C,PeP°PSPëPSPë C±PµCĤPµPiP°) C,P° PrPs PSPµPsPSP°C,P°P»CHPSPsC—
C,PsPeCÍPëC±PSPsCÍC,C- (PSPëCĤPePsPIP° PSPµPrPsCÍC,P°C,PSC-CÍC,CH,
P°CĤC,PµCĤC-P°P»CHPSP° PiC-PiPsC,PµPSP·C-CÍ, PiC-PiPµCĤPeP°P»C-C"PjC-CÍ). PiPeC%Ps
P¶ C-PSPiC-P±C-C,PsCĤPë PhPµPα PiCĤPëPNPjP°P»Pë P· P†P† C,CĤPëPjPµCÍC,CĤCÍ
PIP°PiC-C,PSPsCÍC,C-, CĤPµPePsPjPµPSPPrPsPIP°PSPs CÍP»CHC,CĤP°P·PICÍPePsPIPµ
PsP±CÍC,PµP¶PµPSPSCÍ C,,CÍPSPeC†C-PN PSPëCĤPsPe C,P° P±CÍPrPsPIPë
C±PµCĤPµPiP° PSPsPiPsPSP°CĤPsPrP¶PµPSPsPiPs. P—P°
PSPsPiPsPSP°CĤPsPrP¶PµPSPëPjPë, C±PëC— PjP°C,PµCĤC- CÍ PiPµCĤC-PsPr
PIP°PiC-C,PSPsCÍC,C- PiCĤPëPNPjP°P»Pë C-PSPiC-P±C-C,PsCĤPë PhPµPα, CÍP»C-Pr
CÍPiPsCÍC,PµCĤC-PiP°C,Pë PrP»CÍ CÍPiPsC" C±P°CÍPSPsPiPs PIPëCÍPIP»PµPSPSCÍ C-
PePsCĤPµPeC†C-C— P°CĤC,PµCĤC-P°P»CHPSPsC— PiC-PiPsC,PµPSP·C-C—.

PhPjP»PsPrPëPiC-PS. P'PµP·PiPµPeCÍ P·P°CÍC,PsCÍCzPIP°PSPSCÍ P°PjP»PsPrPëPiC-PSCÍ
PIP°PiC-C,PSPëPjPë P¶C-PSPeP°PjPë PICÍC,P°PSPsPIP»PµPSPs PSPµ P±CÍP»Ps. PJ

PrPsCfP»C-PrP¶PµPSPSC¶C... PSP° C,PIP°C¶PëPSP°C... C,PsPeCfPëC¶PSPëPNë PIP¶P»PëPI PSP°
C¶PµPïC¶PSPPrCrPeC,PëPIPSC-CfC,CH CfPïPsCfC,PµC¶C-PiP°PICfC¶C PïC-Pr C¶P°Cf
PIPIPµPrPµPSPSC¶C PIPëCfPsPePëC... PrPsP· P—P°CfC,PsCfCrPIP°PSPSC¶C
P»C-PeP°C¶CfCHPePsPiPs P·P°CfPsP±Cr Cr PïPµC¶C-PsPr PIP°PiC-C,PSPsCfC,C-
C¶PµPePsPjPµPSPPrPsPIP°PSPµ C,C-P»CHPePë Cr C¶P°P·C- PIC-PrCfCrC,PSPsCfC,C-
P±PµP·PïPµC¶PSC-CëPsPiPs P°P»CHC,PµC¶PSP°C,PëPIPSPsPiPs P»C-PeCfPIP°PSPSC¶C C-
PePsP»Pë P·P°C...PIPsC¶C¶PIP°PSPSC¶C PjP°C” P±C-P»CHCëPëPNë C¶PëP·PëPe PrP»C¶C
PIP°PiC-C,PSPsC— C,P° PïP»PsPrP°.

P”PsPrCáPIP°PSPSC¶C PiC¶CáPrPrC¶

PµPµC¶PëPSPPrPsPiC¶PëP». PkPµ C¶PµPePsPjPµPSPPrPsPIP°PSPs P·P°CfC,PsCfCrPIP°PSPSC¶C
PïPµC¶PëPSPPrPsPiC¶PëP»Cr Cr PïPµC¶C-PsPr PiPsPrCrPIP°PSPSC¶C PiC¶CfPrPrC¶ Cr
P·PiB¶™ C¶P·PeCf P· PIC-PrCfCrC,PSC-CfC,CH PrP°PSPëC.... PµC-Pr C¶P°Cf
PiPsPrCrPIP°PSPSC¶C PiC¶CfPrPrC¶ P±P°P¶P°PSPs PïC¶PëP·PSP°C¶PëC,Pë
P°P»CHC,PµC¶PSP°C,PëPIPSPµ P»C-PeCfPIP°PSPSC¶C C-P· P±C-P»CHCë
PrPsCfP»C-PrP¶PµPSPëPj PïC¶PSC,,C-P»PµPj P±PµP·PïPµPePë, PsCfPsP±P»PëPIPs PïC-Pr
C¶P°Cf PiPsPrCrPIP°PSPSC¶C PSPsPiPsPSP°C¶PSPPrP¶PµPSPsPiPs P°P±Ps
PSPµPrPsPSPsCëPµPSPsPiPs PSPµPjPsPIP»C¶C,Pë.

P¶PjP»PsPrPëPiC-PS. P¶PjP»PsPrPëPiC-PS PïC¶PSPëPeP°C” Cr PiC¶CfPrPSPµ
PjPsP»PsPePs. P”PsP·P°, PsC,C¶PëPjP°PSP° PSPµPjPsPIP»C¶Pj,
PsC†C-PSCHPIP°P»P°CfC¶C PSP° PjC-P¶PePIP°C¶C,PëP»CHPSC-PNë PsCfPSPsPIC- C-
P·PSP°C...PsPrPëC,CHCfC¶C PI PrC-P°PïP°P·PsPSC- 3B¶”7 % P·
PjP°PeCfPëPjP°P»CHPSPëPj P·PSP°C¶PµPSPSC¶C Pj 15 % PIC-Pr PïC¶PëPNëPSC¶C,PsC—
PjP°C,C-C¶B¶™ C¶ PrPsP·Pë. P’PïP»PëPI P°PjP»PsPrPëPiC-PSCr PSP° PSPµPjPsPIP»C¶C,
PSPµPIC-PrPsPjPëPNë. P C-CëPµPSPSC¶C C%PsPrPs
PïC¶PSPPrPsPIP¶PµPSPSC¶C/PïC¶PëPïPëPSPµPSPSC¶C PiPsPrCrPIP°PSPSC¶C
PiC¶CfPrPrC¶ P°P±Ps PïC¶PSPPrPsPIP¶PµPSPSC¶C/PïC¶PëPïPëPSPµPSPSC¶C
P»C-PeCfPIP°PSPSC¶C P°PjP»PsPrPëPiC-PSPsPj CfP»C-Pr PïC¶PëPNëPjP°C,Pë,
P±PµC¶CfC¶Pë PrPs CrPIP°PiPë PePsC¶PëCfC,CH PIC-Pr PiPsPrCrPIP°PSPSC¶C
PiC¶CfPrPrC¶ PrP»C¶C PrPëC,PëPSPë C- PePsC¶PëCfC,CH PIC-Pr
P»C-PeCfPIP°PSPSC¶C P°PjP»PsPrPëPiC-PSPsPj PrP»C¶C PjP°C,PµC¶C-.

PµPµC¶C,PëP»CHPSC-CfC,CH

PµPµC¶PëPSPPrPsPiC¶PëP». P’PïP»PëPI PSP° C¶PµPïC¶PSPPrCrPeC,PëPIPSCr C,,CrPSPeC†C-C¶
P°P±Ps C,,PµC¶C,PëP»CHPSC-CfC,CH PIC-PrCfCrC,PSC-PNë.

P¶PjP»PsPrPëPiC-PS. PµC¶PSPs PsP±PsC¶PSC,PSC- P±C-PsC...C-PjC-C¶PSC- P·PjC-PSPë Cr
PiPsP»PsPIC†C- CfPïPµC¶PjP°C,PsP·PsC—PrP° PïPsPIC-PrPsPjP»C¶P»PsCfC¶C Cr
PrPµC¶PePëC... PïP°C†C-C”PSC,C-PI, C¶PeC- P»C-PeCfPIP°P»PëCfC¶C P±P»PsPeP°C,PsC¶P°PjPë
PeP°P»CHC†C-C”PIPëC... PeP°PSP°P»C-PI. P¶P»C-PSC-C¶PSC- PrP°PSC- C%PsPrPs
PïPsC,PµPSC†C-PNëPSPsPiPs PIPïP»PëPICr P°PjP»PsPrPëPiC-PSCr PSP°
C,,PµC¶C,PëP»CHPSC-CfC,CH C” PSPµPrPsCfC,P°C,PSC-PjPë. P’C-PrPsPjPs, C%Ps Cr
PrPsCfP»C-PrP¶PµPSPSC- PSP° C%CrC¶P°C... P±CrP»Ps PIPëC¶PIP»PµPSPs PïPsP±C-C¶PSCr
PrC-C¶ PSP° C,,PµC¶C,PëP»CHPSC-CfC,CH CfP°PjC†C-PI.

***P—PrP°C,PSC-ClC,CH PIPiP»PëPIP°C,Pë PSP° CëPIPëPrPeC-ClC,CH CḡPμP°PeC†C-C—
PİCḡPë PePμCḡCžPIP°PSPSC- P°PIC,PsC,CḡP°PSCİPİPsCḡC,PsPj P°P±Ps C-PSCëPëPjPë
PjPμC...P°PSC-P·PjP°PjPë.***

P"PsCİP»C-PrP¶PμPSPSCİ C%PsPrPs PIPiP»PëPICr P»C-PeP°CḡCİCHPePsPiPs P·P°CİPsP±Cİ
PḡPḡ-PḡP·P†PḡP·P PSP° P·PrP°C,PSC-ClC,CH PePμCḡCİPIP°C,Pë
C,CḡP°PSCİPİPsCḡC,PSPëPjPë P·P°CİPsP±P°PjPë C,P° PİCḡP°C†CḡPIP°C,Pë P· C-PSCëPëPjPë
PjPμC...P°PSC-P·PjP°PjPë PSPμ PİCḡPsPIPsPrPëP»PëCİCH. PḡPjP»PsPrPëPİC-PS PjPsP¶Pμ
C†PëPSPëC,Pë PSPμP·PSP°C†PSPëPNë P°P±Ps PİPsPjC-CḡPSPëPNë PIPiP»PëPI PSP°
P·PrP°C,PSC-ClC,CH PePμCḡCİPIP°C,Pë C,CḡP°PSCİPİPsCḡC,PSPëPjPë P·P°CİPsP±P°PjPë C,P°
PİCḡP°C†CḡPIP°C,Pë P· C-PSCëPëPjPë PjPμC...P°PSC-P·PjP°PjPë. PḡPsP¶P»PëPIPμ
PİPsCḡCİCëPμPSPSCİ CḡPμP°PeC†C-C— PIPsPrC-Cİ Cİ CḡP°P·C- PIPëPSPëPePSPμPSPSCİ
P·P°PİP°PjPsCḡPsC†PμPSPSCİ, PİPsP»PsPIPsPiPs P±PsP»Cḡ, CİP»P°P±PePsCİC,C-,
CİC,PsPjP»CḡPIP°PSPsCİC,C- P°P±Ps PSCİPrPsC,Pë. P PμPePsPjPμPSPrPsPIP°PSPs P±CİC,Pë
PsP±PμCḡPμP¶PSPëPjPë, PsCİPsP±P»PëIPs PSP° PİPsC†P°C,PeCİ P»C-PeCİPIP°PSPSCİ.

PḡPİPsCİC-P± P·P°CİC,PsCİCžPIP°PSPSCİ C,P° PrPsP·Pë.

P"P»Cİ PİPμCḡPsCḡP°P»CHPSPsPiPs P·P°CİC,PsCİCİPIP°PSPSCİ.

P"PsCḡPsCİP»PëPj CİP»C-Pr PİCḡPëP·PSP°C†P°C,Pë 1 C,P°P±P»PμC,PeCİ PSP° PrPμPSCḡ
PsPrPSPsCḡP°P·PsPIPs, P±P°P¶P°PSPs PİCḡP°PSC†C- PİPμCḡPμPr PİCḡPëPNëPsPjPsPj C—P¶C-.
PḡP°P±P»PμC,PeP° PSPμ PİC-PrP»CİPiP°C" PİPsPrC-P»Cİ.

P"PsP·Cİ CİP»C-Pr PİC-PrP±PëCḡP°C,Pë C-PSPrPëPIC-PrCİP°P»CHPSPs PrP»Cİ
PePsP¶PSPsPiPs PİP°C†C-C"PSC,P° P· CİCḡP°C...CİPIP°PSPSCİPj PİPsPeP°P·P°PSPSCİ PrP»Cİ
P·P°CİC,PsCİCİPIP°PSPSCİ, PİPμCḡPμP±C-PİCİ P·P°C...PIPsCḡCḡPIP°PSPSCİ C,P°
PİPsPeP°P·PSPëPeC-PI P°CḡC,PμCḡC-P°P»CHPSPsPiPs C,PëCİPeCİ. PḡP°PeCİPëPjP°P»CHPSP°
PrPsP±PsPIP° PrPsP·P° Bḡ" 1 C,P°P±P»PμC,PeP° P»C-PeP°CḡCİCHPePsPiPs P·P°CİPsP±Cİ
PḡPḡ-PḡP·P†PḡP·P 8 PjPi / 10 PjPi PSP° PrPsP±Cİ.

P©PsPrPs PİP°C†C-C"PSC,C-PI P· PİCḡCİPİ CḡPëP·PëPeCİ PrPëPI. CḡPsP·PrC-P»
B«PḡCİPsP±P»PëPIPsCİC,C- P·P°CİC,PsCİCİPIP°PSPSCİB».

*PμP°C†C-C"PSC,Pë P· PİPsCḡCžCëPμPSPSCİPj C„CžPSPeC†C-C— PSPëCḡPsPe C,P°
PİP°C†C-C"PSC,Pë P»C-C,PSCHPsPiPs PIC-PeCž (PrPëPI. CḡPsP·PrC-P»Pë
B«PḡCİPsP±P»PëPIPsCİC,C- P·P°CİC,PsCİCİPIP°PSPSCİB» C,P°
B«PḡP°CḡPjP°PePsPeC-PSPμC,PëPeP°B»).*

P'PëPIPμPrPμPSPSCİ PİPμCḡPëPSPrPsPİCḡPëP»P°C,Cİ P·PSPëP¶CİC"C,CHCİCİ Cİ
PİP°C†C-C"PSC,C-PI C-P· PSPëCḡPePsPIPsCḡ PSPμPrPsCİC,P°C,PSC-ClC,CH C,P° Cİ
PİP°C†C-C"PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCİ, C,PsPjCİ PİC-Pr C†P°Cİ
P»C-PeCİPIP°PSPSCİ PSPμPsP±C...C-PrPSPs PİCḡPsPIPsPrPëC,Pë C†P°CİC,PëPNë
PePsPSC,CḡPsP»CH CḡC-PIPsCİ PeCḡPμP°C,PëPSC-PSCİ C- PeP°P»C-Cḡ.

PḡPḡ-PḡP·P†PḡP·P PjPsP¶PSP° PİCḡPëP·PSP°C†P°C,Pë PİP°C†C-C"PSC,P°Pj P·
PeP»C-CḡPμPSCİPsPj PeCḡPμP°C,PëPSC-PSCİ ≥ 60 PjP»/C...PI C,P° PSPμ CİP»C-Pr
PİCḡPëP·PSP°C†P°C,Pë PİP°C†C-C"PSC,P°Pj C-P· PeP»C-CḡPμPSCİPsPj

PeCḡPμP°C,PēPSC-PSCr < 60 PjP»/C...PI. PÿP°PePēPj PīP°C†C-C''PSC,P°Pj
CḡPμPePsPjPμPSPrCfC''C,CHCfCḡ C-PSPrPēPIC-PrCfP°P»CHPSPēPNē PīC-PrP±C-Cḡ PrPsP·Pē
PePsP¶PSPsPiPs P· PePsPjPīPsPSPμPSC,C-PI P»C-PeP°CḡCfCHPePsPiPs P·P°CfPsP±Cf
PsPeCḡPμPjPs.

P—P° C†PjPsPIPē PrPsP±CḡPsC— PīPμCḡPμPSPsCfPēPjPsCfC,C- PrPsP·C†PIP°PSPSCḡ
P°PjP»PsPrPēPīC-PSCr C'' PsPrPSP°PePsPIPēPj PrP»Cḡ PjPsP»PsPrCēPēC... PīP°C†C-C''PSC,C-PI
C,P° PīP°C†C-C''PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCf. P''P»Cḡ PīP°C†C-C''PSC,C-PI
P»C-C,PSCHPsPiPs PIC-PeCf CḡPμPePsPjPμPSPrPsPIP°PSPēPNē P·PIPēC†P°PNēPSPēPNē
CḡPμP¶PēPj PrPsP·C†PIP°PSPSCḡ, P°P»Pμ PīC-PrPIPēC%oCfPIP°C,Pē PrPsP·Cf
PSPμPsP±C...C-PrPSPs P· PsP±PμCḡPμP¶PSC-CfC,Cḡ.

PḡPsPSC†PμPSC,CḡP°C†C-Cḡ P°PjP»PsPrPēPīC-PSCr C† PīP»P°P·PjC- PeCḡPsPIC- PSPμ
P·P°P»PμP¶PēC,CH PIC-Pr C†C,C†PīPμPSCḡ PīPsCḡCfCēPμPSPSCḡ C,,C†PSPeC†C-C—
PSPēCḡPsPe.

PḡPjP»PsPrPēPīC-PS PSPμ PIPēPIPsPrPēC,CHCfCḡ PīC-Pr C†P°C† PrC-P°P»C-P·C†.

*PμPsCḡCzCēPμPSPSCḡ C,,CzPSPeC†C-C— PīPμC†C-PSPePē (PrPēPI. CḡPsP·PrC-P»Pē
B«PhCfPsP±P»PēPIPsCfC,C- P·P°CfC,PsCfC†PIP°PSPSCḡB» C,P°
B«PαP°CḡPjP°PePsPeC-PSPμC,PēPeP°B»).*

P'C-PrCfCfC,PSC- CḡPμPePsPjPμPSPrP°C†C-C— C%oPsPrPs PrPsP·C†PIP°PSPSCḡ PrP»Cḡ
PīP°C†C-C''PSC,C-PI P· P»PμPīPePēPj C,P° PīPsPjC-CḡPSPēPj PīPsCḡCfCēPμPSPSCḡPj
C,,C†PSPeC†C-C— PīPμC†C-PSPePē, C,PsPjC† PīC-PrP±PēCḡP°C,Pē PrPsP·C† PīPsC,CḡC-P±PSPs
PsP±PμCḡPμP¶PSPs, CḡPsP·PīPsC†PēPSP°C,Pē C,PμCḡP°PīC-Cḡ C†P»C-Pr P·
PSP°PNēPSPēP¶C†PēC... PrPsP· (PrPēPI. CḡPsP·PrC-P»Pē B«PhCfPsP±P»PēPIPsCfC,C-
P·P°CfC,PsCfC†PIP°PSPSCḡB» C,P° B«PαP°CḡPjP°PePsPeC-PSPμC,PēPeP°B»). P''P»Cḡ
PIPēP±PsCḡC† PsPīC,PēPjP°P»CHPSPsC— PīPsC†P°C,PePsPIPsC— C,P°
PīC-PrC,CḡPēPjC†CḡC†PsC— PrPsP·Pē P»C-PeP°CḡCfCHPePsPiPs P·P°CfPsP±C†
PīP°C†C-C''PSC,P°Pj P· PīPsCḡCfCēPμPSPSCḡPj C,,C†PSPeC†C-C— PīPμC†C-PSPePē
PSPμPsP±C...C-PrPSPs PsPeCḡPμPjPs PīC-PrP±PēCḡP°C,Pē PrPsP·C† P°PjP»PsPrPēPīC-PSCr C-
PīPμCḡPēPSPrPsPīCḡPēP»C†. P''PsC†P»C-PrP¶PμPSPSCḡ C,,P°CḡPjP°PePsPeC-PSPμC,PēPePē
P°PjP»PsPrPēPīC-PSCr C† PīP°C†C-C''PSC,C-PI P· C,CḡP¶PēPj PīPsCḡCfCēPμPSPSCḡPj
C,,C†PSPeC†C-C— PīPμC†C-PSPePē PSPμ PīCḡPsPIPsPrPēP»PēCfCḡ. PμP°C†C-C''PSC,P°Pj P·
PīPsCḡCfCēPμPSPSCḡPj C,,C†PSPeC†C-C— PīPμC†C-PSPePē C,CḡP¶PēPsPiPs C†C,C†PīPμPSCḡ
PīCḡPēPNēPsPj P°PjP»PsPrPēPīC-PSCr C†P»C-Pr CḡPsP·PīPsC†PēPSP°C,Pē P·
PSP°PNēPSPēP¶C†PēC... PrPsP·, CḡPeC- PīC-PrPIPēC%oCfCḡC,CH PīPsC†C,C†PīPsPIPs.

P''C-C,Pē.

PḡPḡ-PḡP·P†PÿP·P PSPμ CḡPμPePsPjPμPSPrCfC''C,CHCfCḡ PīCḡPēP·PSP°C†P°C,Pē PrC-C,CḡPj
C†PμCḡPμP· PIC-PrCfCfC,PSC-C†C,CH PrPsC†P»C-PrP¶PμPSCḡ P· C†C†P°C†C,Cḡ C†C-C''C—
PīCḡC†PīPē PīP°C†C-C''PSC,C-PI.

PμPμCḡPμPrPsP·CzPIP°PSPSCḡ.

PμCḡPs PIPēPīP°PrPePē PīPμCḡPμPrPsP·C†PIP°PSPSCḡ P»C-PeP°CḡCfCHPePsPiPs

P·P°CÍPSP±Cí P_hP_h-P_hP>P†P_ŷP·P P_{SP}μ PīPSPIC-PrPsPjP»CÍP»PsCÍCÍ. P°P°PSC- C%PsPrPs
CÍPIC-PrPsPjPsPiPs PīPμC_hPμPrPsP·CíPIP°PSPSCÍ P°PjP»PsPrPēPīC-PSCž C°
PsP±PjPμP¶PμPSPēPjPē.

P_ŷPēPjPīC,P_{SP}jPē: P·P° P_{SP}°CÍPIPSPēPjPē PrP°PSPēPjPē PīC_hPēPīCíCÍP°C_hC,CH, C%Ps
PīC_hPēP_NPsPj PrCíP¶Pμ PIPμP»PēPePēC... PrPsP· PjPsP¶Pμ PīC_hPēP·PIPμCÍC,Pē PrPs
P_{SP}°PrPjC-C_hPSPsC— PīPμC_hPēC,,PμC_hPēC±PSPsC— PIP°P·PsPrPēP»P°C,P°C†C-C— C,P°
PīPsPjC-C_hPSPsPiPs PIPēPSPēPePSPμPSPSCÍ C_hPμC,,P»PμPeC,PsC_hPSPsC—
C,P°C...C-PeP°C_hPrC-C—. PμPSPIC-PrPsPjP»CÍP»PsCÍCÍ PīC_hPs PIPēC_hP°P¶PμPSCí,
PjPsP¶P»PēPIPs C,C_hPēPIP°P»Cí CÍPēCÍC,PμPjPSCí PiC-PiPsC,PμPSP·C-C_h C,P° CēPsPe P·
P»PμC,P°P»CHPSPēPj P_{SP}°CÍP»C-PrPePsPj. P C-PrPePs PīPSPIC-PrPsPjP»CÍP»PsCÍCÍ PīC_hPs
C_hPsP·PIPēC,PsPe P_{SP}μPeP°C_hPrC-PsPiPμPSPSPsPiPs P_{SP}°P±C_hCÍPeCí P»PμPiPμPSC-PI, CÍPe
P_{SP}°CÍP»C-PrPsPe PīPμC_hPμPrPsP·CíPIP°PSPSCÍ P°PjP»PsPrPēPīC-PSCí, CÍPePēP_N PjPsP¶Pμ
C_hPsP·PIPēPIP°C,PēCÍCÍ PIC-PrC,PμC_hPjC-PSPsPIP°PSPs (C±PμC_hPμP· 24вґ“48 PiPsPrPēPS
PīC-CÍP»CÍ PīC_hPēP_NPsPjCí) C- PīPsC,C_hPμP±CíPIP°C,Pē CēC,CíC±PSPsC—
PIPμPSC,PēP»CÍC†C-C— P»PμPiPμPSC_h. PμC_hPsPiPsPeCíC_hC±PēPjPē C,,P°PeC,PsC_hP°PjPē
PjPsP¶CíC,CH P±CíC,Pē C_hP°PSPSC- C_hPμP°PSC-PjP°C†C-P_NPSC- P·P°C...PsPrPē
(PIPeP»C_hC±P°C_hC±Pē PīPμC_hPμPIP°PSC,P°P¶PμPSPSCÍ C_hC-PrPēPSPsC_h) PrP»CÍ
PīC-PrC,C_hPēPjPePē PīPμC_hC,,CíP·C-C— C,P° CÍPμC_hC†PμPiPsPiPs PIPēPePēPrCí.

P>C-PeCíPIP°PSPSCÍ: PeP»C-PSC-C±PSPs PIPēC_hP°P¶PμPSP° PiC-PiPsC,PμPSP·C-CÍ,
PIPēPeP»PēPeP°PSP° PīPμC_hPμPrPsP·CíPIP°PSPSCÍPj P°PjP»PsPrPēPīC-PSCí,
PīPsC,C_hPμP±CíC° P°PeC,PēPIPSPsC— PeP°C_hPrC-PsPIP°CÍPeCíP»CÍC_hPSPsC—
PrPsPīPsPjPsPiPē, P·PsPeC_hPμPjP° C±P°CÍC,PsPiPs PjPsPSC-C,PsC_hPēPSPiCí C,,CíPSPeC†C-C—
CÍPμC_hC†CÍ C,P° C_hPμCÍPīC-C_hP°C,PsC_hPSPsC— C,,CíPSPeC†C-C—, P_{SP}°PrP°PSPSCÍ
PīP°C†C-C°PSC,Cí PiPsC_hPēP·PsPSC,P°P»CHPSPsPiPs PīPsP»PsP¶PμPSPSCÍ P·
PīC-PrPSCÍC,C,CÍPj PSPēP¶PSC-C... PeC-PSC†C-PIPsPe, C- PīPsC,C_hPμP±CíC°
CíPIP°P¶PSPsPiPs CÍC,PμP¶PμPSPSCÍ P·P° PsP±вґ™ C°PjPsPj C†PēC_hPeCíP»C_hC_hC±PsC—
PeC_hPsPIC- C,P° CÍPμC±PsPIPēPrC-P»PμPSPSCÍPj.

PμC_hPēP·P_{SP}°C±PμPSPSCÍ PIP°P·PsPePsPSCÍC,C_hPēPeC,PsC_hP° PjPsP¶Pμ P±CíC,Pē
PePsC_hPēCÍPSPēPj PrP»CÍ PIC-PrPSPsPIP»PμPSPSCÍ C,PsPSCíCíCí CÍCíPrPēPS C,P°
P°C_hC,PμC_hC-P°P»CHPSPsPiPs C,PēCÍPeCí, CÍPeC%Ps PIC-PrCíCíC,PSC-
PīC_hPsC,PēPīPsPeP°P·P°PSPSCÍ. P°PSCíC,C_hC-CēPSC_hPsPIPμPSPSPμ PIPiPμPrPμPSPSCÍ
PeP°P»CHC†C-C_h PiP»C_hPePsPSP°C,Cí PjPsP¶Pμ PrPsPīPsPjPsPiC,Pē CíCíCíPSPμPSPSC_h
P_{SP}°CÍP»C-PrPeC-PI P±P»PsPeP°PrPē PeP°P»CHC†C-C°PIPēC... PeP°PSP°P»C-PI.

Pj PrPμCÍPePēC... PIPēPīP°PrPeP°C... C° PrPsC†C-P»CHPSPēPj PīC_hPsPjPēPIP°PSPSCÍ
CēP»CíPSPeP°. P°PSCíP»C-PrP¶PμPSPSCÍ P·P° CíC±P°CÍC,C_h PrPsP±C_hPsPiPsP»CHC†C-PI
PīC_hPsPrPμPjPsPSCÍC,C_hCíPIP°P»Ps, C%Ps PīC_hPēP_NPsPj P°PeC,PēPIPsPIP°PSPsPiPs
PICíPiC-P»P»CÍ C±PμC_hPμP· 2 PiPsPrPēPSPē PīC-CÍP»CÍ PīC_hPēP_NPsPjCí 10 PjPi
P°PjP»PsPrPēPīC-PSCí P·PSPēP¶CíC° CēPIPēPrPeC-CÍC,CH P°P±CíPsC_hP±C†C-C—
P°PjP»PsPrPēPīC-PSCí PI PsC_hPiP°PSC-P·PjC-. Pj CÍPēCÍC,PμPjPSPsPjCí
PeC_hPsPiPsPsP±C-PiCí P°PjP»PsPrPēPīC-PS PjP°C° PIPēCíPsPePēP_N C_hC-PIPμPSC_h
P·Piвґ™ CÍP·CíPIP°PSPSCÍ P· P±C-P»PeP°PjPē PeC_hPsPIC-, C,PsPjCí PiPμPjPsPrC-P°P»C-P·
PSPμ PμC,,PμPeC,PēPIPSPēP_N.

P†PSC,,PsC_hPjP°C†C-CÍ PīC_hPs PīPμC_hPμPrPsP·CíPIP°PSPSCÍ PīPμC_hPēPSPPrPsPīC_hPēP»Cž C°
PsP±PjPμP¶PμPSPsC_h. PμC_hPē PīPμC_hPμPrPsP·CíPIP°PSPSC- C-PSPiC-P±C-C,PsC_hC-PI P_hPμPμ
PjPsP¶CíC,CH PIPēPSPēPePSCíC,Pē PiC-PiPsC,PμPSP·C-CÍ, C†PēC_hPeCíP»CÍC,PsC_hPSPēP_N
CēPsPe, PiPsC_hCíCēPμPSPSCÍ PμP»PμPeC,C_hPsP»C-C,PSPsPiPs P±P°P»P°PSCíCí,
PSPēC_hPePsPIP° P_{SP}μPrPsCíC,P°C,PSC-CíC,CH, PiC-PiPμC_hPIPμPSC,PēP»CÍC†C-CÍ,

C,P°C...C-PeP°CḡPrC-Cḡ, PīP°P»CHPīC-C,P°C†C-Cḡ, P±CḡP°PrPēPeP°CḡPrC-Cḡ,
P·P°PīP°PjPsCḡPsC‡PμPSPSCḡ, C,CḡPēPIPSPiP° C,P° PeP°C€PμP»CH.

PμCḡPē PīPμCḡPμPrPsP·C†PIP°PSPSC- CḡPμPePsPjPμPSPPrC†C”C,CHC†Cḡ
PIPSC†C,CḡC-C€PSCḡPsPIPμPSPSPμ PIPiPμPrPμPSPSCḡ CḡPsP·C‡PēPSC† C...P»PsCḡPēPrC†
PSP°C,CḡC-Cḡ 0,9 %. Pj CḡP°P·C- PIPēPSPēPePSPμPSPSCḡ PiC-PīPsC,PμPSP·C-C—
PīP°C†C-C”PSC,C† PSPμPsP±C...C-PrPSPs PSP°PrP°C,Pē PiPsCḡPēP·PsPSC,P°P»CHPSPSPiPs
PīPsP»PsP¶PμPSPSCḡ. PŸP»C-Pr CḡPsP·PiP»CḡPSC†C,Pē PjPsP¶P»PēPIC-C†C,CH
PīCḡPsPIPμPrPμPSPSCḡ C-PSC,,C†P·C-C— P· P°PSPiC-PsC,PμPSP·PēPSPsPj P†P† C,P°/P°P±Ps
PIPSC†C,CḡC-C€PSCḡPsPIPμPSPSPsPiPs PIPiPμPrPμPSPSCḡ PeP°C,PμC...PsP»P°PjC-PSC-PI.
PμPμCḡPēPSPPrPsPiCḡPēP» PjPsP¶Pμ P±C†C,Pē PIPēPIPμPrPμPSPēP№ P· C†PēC†C,PμPjPSPSPiPs
PeCḡPsPIPSPsP±C-PiC† P·P° PrPsPiPsPjPsPiPsCḡ PiPμPjPsPrC-P°P»C-P·C† (PrPēPI. CḡPsP·PrC-P»
B«PhC†PsP±P»PēPIPsC†C,C- P·P°C†C,PsC†C†PIP°PSPSCḡB»). PμCḡPē PIPēPSPēPePSPμPSPSC-
C†C,C-P№PePsC— PrPs P»C-PeC†PIP°PSPSCḡ P±CḡP°PrPēPeP°CḡPrC-C— PjPsP¶P»PēPIPμ
P·P°C†C,PsC†PsPIC†PIP°PSPSCḡ C€C,C†C‡PSPSPiPs PIPSPrC-Cḡ CḡPēC,PjC†.
PќPμPsP±C...C-PrPSPēP№ PīPsC†C,C-P№PSPēP№ PjPsPSC-C,PsCḡPēPSPi PsC†PSPSPiPSPēC...
PīPsPeP°P·PSPēPeC-PI P¶PēC,C,C”PrC-CḡP»CHPSPSPiC†C,C-, CḡC-PIPSḡ
PePsPSC†PμPSC,CḡP°C†C-C— PμP»PμPeC,CḡPsP»C-C,C-PI C,P° PeCḡPμP°C,PēPSC-PSC† C†
C†PēCḡPsPIP°C,C†C- PeCḡPsPIC-.

PμPsP±C-C‡PSC- CḡPμP°PeC†C-C—.

PќP°P№C‡P°C†C,C-C€PēPjPē PīPsP±C-C‡PSPēPjPē CḡPμP°PeC†C-CḡPjPē, PīCḡPs CḡPeC-
PīPsPIC-PrPsPjP»CḡP»PsC†Cḡ PīCḡPē PsPeCḡPμPjPsPjC† P·P°C†C,PsC†C†PIP°PSPSC-
PīPμCḡPēPSPPrPsPiCḡPēP»C† P№ P°PjP»PsPrPēPiC-PSC†, C”: PSP°P±CḡCḡPePē,
C†PsPSP»PēPIC-C†C,CH, P·P°PīP°PjPsCḡPsC‡PμPSPSCḡ, PiPsP»PsPIPSPēP№ P±C-P»CH
(PsC†PsP±P»PēPIPs PSP° PīPsC‡P°C,PeC† P»C-PeC†PIP°PSPSCḡ), C†PiPsC,PIPsCḡPμPSPSCḡ
C†PjP°PeC† (PrPēC†PiPμPIP·C-Cḡ), PīP°CḡPμC†C,PμP·C-Cḡ, PīPsCḡC†C€PμPSPSCḡ P·PsCḡC†
(PIPeP»CḡC‡P°CḡC‡Pē PrPIPsC—PSPSCḡ), PrP·PIC-PS C† PIC†C...P°C..., PIPμCḡC,PēPiPs,
PīP°P»CHPīC-C,P°C†C-Cḡ, PīCḡPēPīP»PēPIPē, PiC-PīPsC,PμPSP·C-Cḡ (C,P°
PīPsPiBḡ™ CḡP·P°PSC- P· PSPμCḡ C†PēPjPiC,PsPjPē), P·P°PrPēC€PeP°, PeP°C€PμP»CH,
P±C-P»CH C† P¶PēPIPsC,C-, PSC†PrPsC,P°, P±P»CḡPIP°PSPSCḡ, PrPēC†PīPμPiC†C-Cḡ,
P·PjC-PSP° CḡPēC,PjC† PrPμC,,PμPeP°C†C-C—, PrC-P°CḡPμCḡ, P·P°PīPsCḡ, C†PIPμCḡP±C-P¶,
PIPēC†PēPi, PμPeP·P°PSC,PμPjP°, PSP°P±CḡCḡPe C†C†PiP»PsP±C-PI (PSP°P±CḡCḡPe
C%PēPePsP»PsC,PsPe), C†PīP°P·PjPē PjBḡ™ CḡP·C-PI, PiC-PrPIPēC%PμPSP°
PIC,PsPjP»CḡPIP°PSC-C†C,CH, P°C†C,PμPSC-Cḡ.

PμC-Pr C‡P°C† PeP»C-PSC-C‡PSPēC... PrPsC†P»C-PrP¶PμPSCH C,P°/P°P±Ps
PiC-C†P»CḡCḡPμC”C†C,CḡP°C†C-P№PSPSPiPs P·P°C†C,PsC†C†PIP°PSPSCḡ
PīPμCḡPēPSPPrPsPiCḡPēP»C† P№ P°PjP»PsPrPēPiC-PSC† PsPeCḡPμPjPs
C†PiPsC†C,PμCḡC-PiP°P»PēC†Cḡ PSPēP¶C‡PμP·P°P·PSP°C‡PμPSC- PīPsP±C-C‡PSC-
CḡPμP°PeC†C-C—, CḡPeC- PeP»P°C†PēC,,C-PePsPIP°PSC- P·PiC-PrPSPs P·C-
C†P»PsPIPSPēPePsPj C†C,P°PSPPrP°CḡC,PēP·PsPIP°PSPsC— PjPμPrPēC‡PSPsC—
C,PμCḡPjC-PSPsP»PsPiC-C— MedDRA P·P° C†PēC†C,PμPjP°PjPē PsCḡPiP°PSC-P·PjC† P·
C,P°PePsCḡ C‡P°C†C,PsC,PsCḡ PIPēPSPēPePSPμPSPSCḡ: PrC†P¶Pμ C‡P°C†C,Ps (≥ 1/10);
C‡P°C†C,Ps (PIC-Pr ≥ 1/100 PrPs < 1/10); PSPμC‡P°C†C,Ps (PIC-Pr ≥ 1/1000 PrPs < 1/100);

C₇C-PrPePs (PIC-Pr ≥ 1/10000 PrPs < 1/1000); PrC₇P₇ C₇C-PrPePs (< 1/10000);
C₇P^oC₇C,PsC,P^o PSP_μPIC-PrPsPjP^o (PSP_μ PjPsP₇PSP^o PIP₆P·PSP^oC₇P₆C,P₆P·P^o PSP^oC₇PIPS₇C₇
C-PSC₇,PsC₇PjP^oC₇C-C^oC₇).

P₇PSC₇,P_μPeC₇C-C— C,P^o C-PSPIP^oP·C-C—: C₇P₆PSC-C, (PSP_μC₇P^oC₇C,Ps B₇"
P^oPjP₇»PsPrP₆PiC-PS; PrC₇P₇ C₇C-PrPePs B₇" P₇P_μC₇P₆PSP₇PsPiC₇P₆P₇»).

P— P₇PsPeC₇ P_μPSP₇PsPeC₇P₆PSP₇PsC— C₇P₆C₇C,P_μPjP₆: C₇P₆PSP₇C₇PsPj
PSP_μP^oPrP_μPePIP^oC,PSP₇C— C₇P_μPeC₇P_μC₇C— P^oPSC,P₆PrC-C₇C₇P_μC,P₆C₇PSP₆C...
PiPsC₇PjPsPSC-PI (P₇P₆P₇P₇P₇"P") (C₇C-PrPePs B₇" P₇P_μC₇P₆PSP₇PsPiC₇P₆P₇»).

P— P₇PsPeC₇ C₇P₆C₇C,P_μPjP₆ PeC₇PsPIC- C,P^o P₇C-PjC₇,P^oC,P₆C₇PSP₇C— C₇P₆C₇C,P_μPjP₆:
P_μPsP·P₆PSP₇C₇,C-P₇C-C₇ (PSP_μC₇P^oC₇C,Ps* B₇" P₇P_μC₇P₆PSP₇PsPiC₇P₆P₇»);
P₇»P_μPN₆PePsPiP_μPSC-C₇/PSP_μPN₆C₇PsPiP_μPSC-C₇ (PrC₇P₇ C₇C-PrPePs B₇"
P^oPjP₇»PsPrP₆PiC-PS C,P^o P₇P_μC₇P₆PSP₇PsPiC₇P₆P₇») (PrP₆PI. C₇PsP·PrC-P₇»
B«PhC₇PsP₇»P₆PiPsC₇C,C- P·P^oC₇C,PsC₇C₇PIP^oPSPSC₇B»); P^oPiC₇P^oPSC₇P₇»PsC₇P₆C,PsP·
P^oP₇Ps PiP^oPSC₇P₆C,PsPiP_μPSC-C₇ (PrC₇P₇ C₇C-PrPePs B₇" P₇P_μC₇P₆PSP₇PsPiC₇P₆P₇»)
(PrP₆PI. C₇PsP·PrC-P₇» B«PhC₇PsP₇»P₆PiPsC₇C,C- P·P^oC₇C,PsC₇C₇PIP^oPSPSC₇B»);
C,C₇PsPjP₇»PsC₇P₆C,PsPiP_μPSC-C₇ (PrC₇P₇ C₇C-PrPePs B₇" P^oPjP₇»PsPrP₆PiC-PS C,P^o
P₇P_μC₇P₆PSP₇PsPiC₇P₆P₇») (PrP₆PI. C₇PsP·PrC-P₇» B«PhC₇PsP₇»P₆PiPsC₇C,C-
P·P^oC₇C,PsC₇C₇PIP^oPSPSC₇B»); P_μPSP·P₆PjPsC₇PiP_μC₇P₆C₇,C-C₇PSP^o PiP_μPjPsP₇»C-C,P₆C₇PSP^o
P^oPSP_μPjC-C₇ C₇ PiP^oC₇C-C^oPSC,C-PI P· C₇C₇PsPrP₇P_μPSP₇C₇ PSP_μPrPsC₇C,P^oC,PSC-C₇C,C₇
PiP₇»C₇PePsP·Ps-6-C₇,PsC₇C₇,P^oC,PrP_μPiC-PrC₇PsPiP_μPSP^oP·P₆ (PrC₇P₇ C₇C-PrPePs B₇"
P₇P_μC₇P₆PSP₇PsPiC₇P₆P₇») (PrP₆PI. C₇PsP·PrC-P₇» B«PhC₇PsP₇»P₆PiPsC₇C,C-
P·P^oC₇C,PsC₇C₇PIP^oPSPSC₇B»).

P— P₇PsPeC₇ C-PjC₇PSP₇PsC— C₇P₆C₇C,P_μPjP₆: PiC-PiP_μC₇C₇C₇,P₇»P₆PiC-C₇C,C₇ (PrC₇P₇ C₇C-PrPePs B₇"
P^oPjP₇»PsPrP₆PiC-PS; PSP_μC₇P^oC₇C,Ps B₇" P₇P_μC₇P₆PSP₇PsPiC₇P₆P₇»).

P— P₇PsPeC₇ PsP₇PjC-PSC₇ C₇P_μC₇PsPIP₆PS C- PjP_μC,P^oP₇PsP₇»C-P·PjC₇:
PiC-PiPsPiP₇»C-PeP_μPjC-C₇ (PSP_μC₇P^oC₇C,Ps* B₇" P₇P_μC₇P₆PSP₇PsPiC₇P₆P₇») (PrP₆PI.
C₇PsP·PrC-P₇»P₆ B«PhC₇PsP₇»P₆PiPsC₇C,C- P·P^oC₇C,PsC₇C₇PIP^oPSPSC₇B» C-
B«P·P·P^oC₇PjPsPrC-C₇ P· C-PSC₇P₆PjP₆ P₇»C-PeP^oC₇C₇C₇PeP₆PjP₆ P·P^oC₇PsP₇»P₆PjP₆ C,P^o
C-PSC₇C- PIP₆PrP₆ PIP^oP^oC₇PjPsPrC-PN₆B»); PiC-PiP_μC₇PeP^oP₇»C-C^oPjC-C₇, C₇Ps
P·PSP₆PeP^oC^o PiC-C₇P₇»C₇ PIC-PrPjC-PSP₆ P₇»C-PeP^oC₇C₇C₇PePsPiPs P·P^oC₇PsP₇»C₇
(PSP_μC₇P^oC₇C,Ps* B₇" P₇P_μC₇P₆PSP₇PsPiC₇P₆P₇») (PrP₆PI. C₇PsP·PrC-P₇»
B«PhC₇PsP₇»P₆PiPsC₇C,C- P·P^oC₇C,PsC₇C₇PIP^oPSPSC₇B»); PiC-PiPsPSP^oC,C₇C-C^oPjC-C₇
(PSP_μC₇P^oC₇C,Ps* B₇" P₇P_μC₇P₆PSP₇PsPiC₇P₆P₇»); PiC-PiP_μC₇PiP₇»C-PeP_μPjC-C₇ (PrC₇P₇ C₇C-PrPePs B₇"
P^oPjP₇»PsPrP₆PiC-PS).

P— P₇PsPeC₇ PiC₇P₆C...C-PeP₆: P₇P_μP·C₇PsPSPSC₇ (PSP_μC₇P^oC₇C,Ps B₇"
P^oPjP₇»PsPrP₆PiC-PS); PiPsC₇C₇C₇PeP_μPSPSC₇ PSP^oC₇C,C₇PsC₇ (PIP₆P₇»C₇C₇P^oC₇C₇P₆
C,C₇P₆PiPsPiC₇) (PSP_μC₇P^oC₇C,Ps B₇" P^oPjP₇»PsPrP₆PiC-PS C,P^o P₇P_μC₇P₆PSP₇PsPiC₇P₆P₇»);
PrP_μPiC₇P_μC₇C-C₇ (PSP_μC₇P^oC₇C,Ps B₇" P^oPjP₇»PsPrP₆PiC-PS, PSP_μC₇P^oC₇C,Ps* B₇"
P₇P_μC₇P₆PSP₇PsPiC₇P₆P₇»); PiPsC₇C₇C₇PeP_μPSPSC₇ C₇PSC₇ (PSP_μC₇P^oC₇C,Ps B₇"
P₇P_μC₇P₆PSP₇PsPiC₇P₆P₇»).

P— P₇PsPeC₇ PSP_μC₇PIPsPiPsC— C₇P₆C₇C,P_μPjP₆: C₇PsPSP₇»P₆PiC-C₇C,C₇
(PsC₇PsP₇»P₆PiPs PSP^o PiPsC₇P^oC,P₆C₇ P₇»C-PeC₇PIP^oPSPSC₇) (C₇P^oC₇C,Ps B₇"
P^oPjP₇»PsPrP₆PiC-PS; PSP_μC₇P^oC₇C,Ps* B₇" P₇P_μC₇P₆PSP₇PsPiC₇P₆P₇»);
P·P^oPiP^oPjPsC₇PsC₇P_μPSPSC₇ (PsC₇PsP₇»P₆PiPs PSP^o PiPsC₇P^oC,P₆C₇ P₇»C-PeC₇PIP^oPSPSC₇)
(C₇P^oC₇C,Ps B₇" P^oPjP₇»PsPrP₆PiC-PS C,P^o P₇P_μC₇P₆PSP₇PsPiC₇P₆P₇»); PiPsP₇»PsPiPSP₆PN₆

$P \pm C - P \gg CH$ ($PsCfPsP \pm P \gg P \ddot{e}PIPs$ PSP° $PiPsC \ddot{P}^\circ C, PeCf P \gg C - PeCfPIP^\circ PSPSCf$) ($C \ddot{P}^\circ CfC, Ps$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$ C, P° $PiP \mu C \ddot{H} P \ddot{e}PSPPrPsPiC \ddot{H} P \ddot{e}P \gg$); $CfPiPsC, PIPsC \ddot{H} P \mu PSPSCf$ $CfPjP^\circ PeCf$ ($PrP \ddot{e}CfPiP \mu PIP \cdot C - Cf$) ($PSP \mu C \ddot{P}^\circ CfC, Ps$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$; $C \ddot{P}^\circ CfC, Ps$ bH " $PiP \mu C \ddot{H} P \ddot{e}PSPPrPsPiC \ddot{H} P \ddot{e}P \gg$); $C, C \ddot{H} P \mu PjPsC \ddot{H}$ ($PSP \mu C \ddot{P}^\circ CfC, Ps$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$); $PiC - PiP \mu CfC, P \mu P \cdot C - Cf$ ($PSP \mu C \ddot{P}^\circ CfC, Ps$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$); $PiP^\circ C \ddot{H} P \mu CfC, P \mu P \cdot C - Cf$ ($PSP \mu C \ddot{P}^\circ CfC, Ps$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$; $C \ddot{P}^\circ CfC, Ps$ bH " $PiP \mu C \ddot{H} P \ddot{e}PSPPrPsPiC \ddot{H} P \ddot{e}P \gg$); $PSP \mu PiC \ddot{H} P \ddot{e}C, PsPjPSC - CfC, CH$ ($PSP \mu C \ddot{P}^\circ CfC, Ps$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$; $PSP \mu C \ddot{P}^\circ CfC, Ps^*$ bH " $PiP \mu C \ddot{H} P \ddot{e}PSPPrPsPiC \ddot{H} P \ddot{e}P \gg$); $CfPiP \gg CrC, P^\circ PSC - CfC, CH$ $CfPIC - PrPsPjPsCfC, C -$ ($C \ddot{H} C - PrPePs$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$; $PrCfP \mu C \ddot{H} C - PrPePs$ bH " $PiP \mu C \ddot{H} P \ddot{e}PSPPrPsPiC \ddot{H} P \ddot{e}P \gg$); $PiC - PiP \mu C \ddot{H} C, PsPSCfCf$ ($PrCfP \mu C \ddot{H} C - PrPePs$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$); $PiP \mu C \ddot{H} P \ddot{e}C, P \mu C \ddot{H} P \ddot{e}C \ddot{P}SP^\circ$ $PSP \mu PN \ddot{C} \ddot{H} PsPiP^\circ C, C - Cf$ ($PrCfP \mu C \ddot{H} C - PrPePs$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$); $C \ddot{P} \mu C \ddot{H} P \mu P \pm C \ddot{H} PsPIP^\circ CfPeCfP \gg CfC \ddot{H} PSC -$ $PiPsPrC - C -$ $PjPsP \mu CrC, CH$ $PIP \ddot{e}PSP \ddot{e}PeP^\circ C, P \ddot{e} PIPSP^\circ CfP \gg C - PrPsPe$ $PSP^\circ PrPjC - C \ddot{H} PSPsPiPs$ $P \cdot PSP \ddot{e}P \mu PSPSCf$ $P^\circ C \ddot{H} C, P \mu C \ddot{H} C - P^\circ P \gg CH$ $PSPsPiPs$ $C, P \ddot{e}CfPeCf$ Cr $PiP^\circ C \ddot{P}^\circ C - C^\circ PSC, C - PI$ $PiC \ddot{H} CrPiP \ddot{e} PIP \ddot{e}CfPsPePsPiPs$ $C \ddot{H} P \ddot{e}P \cdot P \ddot{e}PeCf$ ($PrCfP \mu C \ddot{H} C - PrPePs$ bH " $PiP \mu C \ddot{H} P \ddot{e}PSPPrPsPiC \ddot{H} P \ddot{e}P \gg$) ($PrP \ddot{e}PI. C \ddot{H} PsP \cdot PrC - P \gg$ $B \ll PhCfPsP \pm P \gg P \ddot{e}PIPsCfC, C -$ $P \cdot P^\circ CfC, PsCfCrPIP^\circ PSPSCfB \gg$); $P \mu PeCfC, C \ddot{H} P^\circ PiC - C \ddot{H} P^\circ PjC - PrPSC -$ $C \ddot{H} PsP \cdot P \gg P^\circ PrP \ddot{e}$ ($P \mu PeCfC, C \ddot{H} P^\circ PiC - C \ddot{H} P^\circ PjC - PrPSP \ddot{e}PN \ddot{C}$ $CfP \ddot{e}PSPPrC \ddot{H} PsPj$) ($C \ddot{P}^\circ CfC, PsC, P^\circ$ $PSP \mu PIC - PrPsPjP^\circ$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$).

$P - P \pm PsPeCf PsC \ddot{H} PiP^\circ PSC - PI$ $P \cdot PsC \ddot{H} Cr$: $PiPsC \ddot{H} CrC \ddot{e}P \mu PSPSCf$ $P \cdot PsC \ddot{H} Cr$ ($C \ddot{P}^\circ CfC, Ps$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$ C, P° $PiP \mu C \ddot{H} P \ddot{e}PSPPrPsPiC \ddot{H} P \ddot{e}P \gg$); $PrPIPsC - PSPSCf$ ($C \ddot{P}^\circ CfC, Ps$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$).

$P - P \pm PsPeCf PsC \ddot{H} PiP^\circ PSC - PI$ $CfP \gg CrC \dots Cr$ C, P° $PIP \mu CfC, P \ddot{e}P \pm CfP \gg CfC \ddot{H} PSPsPiPs$ $P^\circ PiP^\circ C \ddot{H} P^\circ C, Cr$: $PrP \cdot PIC - PS$ Cr $PICrC \dots P^\circ C \dots$ ($PSP \mu C \ddot{P}^\circ CfC, Ps$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$; $C \ddot{P}^\circ CfC, Ps$ bH " $PiP \mu C \ddot{H} P \ddot{e}PSPPrPsPiC \ddot{H} P \ddot{e}P \gg$); $PIP \mu C \ddot{H} C, P \ddot{e}PiPs$ ($C \ddot{P}^\circ CfC, Ps$ bH " $PiP \mu C \ddot{H} P \ddot{e}PSPPrPsPiC \ddot{H} P \ddot{e}P \gg$).

$P - P \pm PsPeCf CfP \mu C \ddot{H} C \ddot{P}Cf$: $PiP^\circ P \gg CH$ $PiC - C, P^\circ C \ddot{P}^\circ C - Cf$ ($C \ddot{P}^\circ CfC, Ps$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$; $PSP \mu C \ddot{P}^\circ CfC, Ps^*$ bH " $PiP \mu C \ddot{H} P \ddot{e}PSPPrPsPiC \ddot{H} P \ddot{e}P \gg$); $C, P^\circ C \dots C - PeP^\circ C \ddot{H} PrC - Cf$ ($PSP \mu C \ddot{P}^\circ CfC, Ps^*$ bH " $PiP \mu C \ddot{H} P \ddot{e}PSPPrPsPiC \ddot{H} P \ddot{e}P \gg$); $CfC, P \mu PSPsPeP^\circ C \ddot{H} PrC - Cf$ ($PrCfP \mu C \ddot{H} C - PrPePs$ bH " $PiP \mu C \ddot{H} P \ddot{e}PSPPrPsPiC \ddot{H} P \ddot{e}P \gg$) ($PrP \ddot{e}PI. C \ddot{H} PsP \cdot PrC - P \gg$ $B \ll PhCfPsP \pm P \gg P \ddot{e}PIPsCfC, C -$ $P \cdot P^\circ CfC, PsCfCrPIP^\circ PSPSCfB \gg$); $C - PSC, P^\circ C \ddot{H} PeC, PjC - PsPeP^\circ C \ddot{H} PrP^\circ$ $PjPsP \mu PIP \ddot{e}PSP \ddot{e}PeP^\circ C, P \ddot{e} PIPSP^\circ CfP \gg C - PrPsPe$ $PSP^\circ PrPjC - C \ddot{H} PSPsPiPs$ $P \cdot PSP \ddot{e}P \mu PSPSCf$ $P^\circ C \ddot{H} C, P \mu C \ddot{H} C - P^\circ P \gg CH$ $PSPsPiPs$ $C, P \ddot{e}CfPeCf$ Cr $PiP^\circ C \ddot{P}^\circ C - C^\circ PSC, C - PI$ $PiC \ddot{H} CrPiP \ddot{e} PIP \ddot{e}CfPsPePsPiPs$ $C \ddot{H} P \ddot{e}P \cdot P \ddot{e}PeCf$ ($PrCfP \mu C \ddot{H} C - PrPePs$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$ C, P° $PiP \mu C \ddot{H} P \ddot{e}PSPPrPsPiC \ddot{H} P \ddot{e}P \gg$) ($PrP \ddot{e}PI. C \ddot{H} PsP \cdot PrC - P \gg$ $B \ll PhCfPsP \pm P \gg P \ddot{e}PIPsCfC, C -$ $P \cdot P^\circ CfC, PsCfCrPIP^\circ PSPSCfB \gg$); $P^\circ C \ddot{H} P \ddot{e}C, PjC - Cf$ (PI $C, PsPjCr$ $C \ddot{P} \ddot{e}CfP \gg C -$ $P \pm C \ddot{H} P^\circ PrP \ddot{e}PeP^\circ C \ddot{H} PrC - Cf$, $C \ddot{e}P \gg CrPSPsC \ddot{P}ePsPIP^\circ$ $C, P^\circ C \dots C - PeP^\circ C \ddot{H} PrC - Cf$ C, P° $C, C - P \pm C \ddot{H} P \ddot{e}P \gg CfC \ddot{P}^\circ C - Cf$ $PiP \mu C \ddot{H} P \mu PrCfP \mu C \ddot{H} PrCH$) ($PSP \mu C \ddot{P}^\circ CfC, Ps$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$; $PrCfP \mu C \ddot{H} C - PrPePs$ bH " $PiP \mu C \ddot{H} P \ddot{e}PSPPrPsPiC \ddot{H} P \ddot{e}P \gg$).

$P - P \pm PsPeCf CfCrPrP \ddot{e}PS$: $PiC \ddot{H} P \ddot{e}PiP \gg P \ddot{e}PIP \ddot{e}$ ($C \ddot{P}^\circ CfC, Ps$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$); $PiC - PiPsC, P \mu PSP \cdot C - Cf$ (C, P° $PiPsPiB \ddot{H} C \ddot{P}P \cdot P^\circ PSC -$ $P \cdot PSP \mu C \ddot{H} CfP \ddot{e}PjPiC, PsPjP \ddot{e}$) ($PSP \mu C \ddot{P}^\circ CfC, Ps$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$; $C \ddot{P}^\circ CfC, Ps$ bH " $PiP \mu C \ddot{H} P \ddot{e}PSPPrPsPiC \ddot{H} P \ddot{e}P \gg$); $PiC \ddot{H} P \ddot{e}PiP \gg P \ddot{e}PIP \ddot{e}$ $P \mu P^\circ C \ddot{H} Cr$ ($C \ddot{H} C - PrPePs^*$ bH " $PiP \mu C \ddot{H} P \ddot{e}PSPPrPsPiC \ddot{H} P \ddot{e}P \gg$); $PIP^\circ CfPeCfP \gg C - C,$ ($PrCfP \mu C \ddot{H} C - PrPePs$ bH " $P^\circ PjP \gg PsPrP \ddot{e}PiC - PS$; $PSP \mu C \ddot{P}^\circ CfC, Ps^*$ bH " $PiP \mu C \ddot{H} P \ddot{e}PSPPrPsPiC \ddot{H} P \ddot{e}P \gg$); $C, P \mu PSPsPjP \mu PS$ P $P \mu PN \ddot{C} PSPs$ ($C \ddot{P}^\circ CfC, PsC, P^\circ$ $PSP \mu PIC - PrPsPjP^\circ$

$P - P \pm PsPeCr PrP\ddot{C}...P^{\circ}P \gg CH\dot{P}SPsC - Cl\dot{P}\ddot{C}ClC, P_{\mu}PjP\ddot{e}, PsC\dot{H}PiP^{\circ}PSC - PI PiC\dot{H}CrPrPSPsC - PeP \gg C - C, PeP\ddot{e} C, P^{\circ} Cl\dot{P}_{\mu}C\dot{H}P_{\mu}PrPsCl\dot{C}, C - PSPSC\dot{C}l: P \cdot P^{\circ}PrP\ddot{C}ePeP^{\circ} (C \ddagger P^{\circ}Cl\dot{C}, Ps \text{ в } \dot{H}'' P^{\circ}PjP \gg PsPrP\ddot{e}PiC - PS C, P^{\circ} PiP_{\mu}C\dot{H}P\ddot{e}PSPPrPsPiC\dot{H}P\ddot{e}P \gg); PeP^{\circ}C\ddot{e}P_{\mu}P \gg CH (PSP_{\mu}C \ddagger P^{\circ}Cl\dot{C}, Ps \text{ в } \dot{H}'' P^{\circ}PjP \gg PsPrP\ddot{e}PiC - PS; C \ddagger P^{\circ}Cl\dot{C}, Ps \text{ в } \dot{H}'' PiP_{\mu}C\dot{H}P\ddot{e}PSPPrPsPiC\dot{H}P\ddot{e}P \gg); P \pm C\dot{H}PsPSC...PsCl\dot{P}iP^{\circ}P \cdot Pj (PSP_{\mu}C \ddagger P^{\circ}Cl\dot{C}, Ps \text{ в } \dot{H}'' PiP_{\mu}C\dot{H}P\ddot{e}PSPPrPsPiC\dot{H}P\ddot{e}P \gg); P_{\mu}PsP \cdot P\ddot{e}PSPsC, C - P \gg CH\dot{P}SP^{\circ} PiPSP_{\mu}PiPjPsPSC - Cl\dot{C} (PrCrP\ddot{e}P_{\mu} C\dot{H}C - PrPePs \text{ в } \dot{H}'' PiP_{\mu}C\dot{H}P\ddot{e}PSPPrPsPiC\dot{H}P\ddot{e}P \gg).$

P— P±PsPeCř C€P»CřPSPePsPIPs-PePëC€PePsPIPsPiPs C,CђP°PeC,Cř: PiC-PiPµCђPiP»P°P·C-CЦ
CЦCřPµPS (PrCřP¶Pµ CђC-PrPePs бђ” P°PjP»PsPrPëPiC-PS); P±C-P»CH Cř P¶PëPIPsC,C-
(C‡P°CřC,Pс бђ” P°PjP»PsPrPëPiC-PS C,P° PiPµCђPëPSPrPsPiCђPëP»); PSCřPrPsC,P°
(C‡P°CřC,Pс бђ” P°PjP»PsPrPëPiC-PS C,P° PiPµCђPëPSPrPsPiCђPëP»); B P±P»CђPIP°PSPSCЦ
(PSPµC‡P°CřC,Pс бђ” P°PjP»PsPrPëPiC-PS; C‡P°CřC,Pс бђ” PiPµCђPëPSPrPsPiCђPëP»);
PrPëCřPiPµPiCřC-CЦ (C‡P°CřC,Pс бђ” P°PjP»PsPrPëPiC-PS C,P° PiPµCђPëPSPrPsPiCђPëP»);
P·PjC-PSP° CђPëC,PjCř PrPµC,,PµPeP°C†C-C— (C‡P°CřC,Pс бђ” P°PjP»PsPrPëPiC-PS);
CřCřC...C-CřC,CH Cř CђPsC,C- (PSPµC‡P°CřC,Pс бђ” P°PjP»PsPrPëPiC-PS C,P°
PiPµCђPëPSPrPsPiCђPëP»); PrC-P°CђPµCЦ (C‡P°CřC,Pс бђ” P°PjP»PsPrPëPiC-PS C,P°
PiPµCђPëPSPrPsPiCђPëP»); P·P°PiPsCђ (C‡P°CřC,Pс бђ” P°PjP»PsPrPëPiC-PS C,P°
PiPµCђPëPSPrPsPiCђPëP»); PiP°PSPeCђPµP°C,PëC, (PrCřP¶Pµ CђC-PrPePs бђ”
P°PjP»PsPrPëPiC-PS C,P° PiPµCђPëPSPrPsPiCђPëP»); PiP°CřC,CђPëC, (PrCřP¶Pµ CђC-PrPePs
бђ” P°PjP»PsPrPëPiC-PS).

P— P±PsPeCr PiPμPiP°C,PsP±C-P»C-P°C₇PSPsC— CÍPëCÍC,PμPjPë: PiPμPiP°C,PëC,, P¶PsPIC,C¶PSPëC†C¶ (PrCrP¶Pμ C₇C-PrPePs бґ” P°PjP»PsPrPëPiC-PS);
C†PëC,PsP»C-C,PëC†PSPëPN₂ P°P±Ps C...PsP»PμCÍC,P°C,PëC†PSPëPN₂ PiPμPiP°C,PëC, (PrCrP¶Pμ C₇C-PrPePs бґ” PiPμC₇PëPSPrPsPiC₇PëP») (PrPëPI. C₇PsP-PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C-P·P°CÍC,PsCÍCÍPIP°PSPSC¶B»); PiC-PrPIPëC%_{oo}PμPSPSC¶ C₇C-PIPsC¶ PiPμC†C-PSPePsPIPëC... C,,PμC₇PjPμPSC,C-PI (PiPμC₇PμPIP°P¶PSPs CÍPiC₇PëC†PëPSPμPSC- C...PsP»PμCÍC,P°P·PsPj) (PrCrP¶Pμ C₇C-PrPePs бґ” P°PjP»PsPrPëPiC-PS).

P— P±PsPeCr C€PeC-CHjPë C,P° PiC-PrC€PeC-CHjPSPsC— PeP»C-C,PePsPiPëPSPë:
P°PSPiC-PsPSPµPICHjPsC,PëC‡PSPëPNë PSP°P±CHjClIpe P¬PIC-PSPePµ (PrCrP¶Pµ CHjC-PrPePs
вђ” P°PjP»PsPrPëPiC-PS); P°PSPiC-PsPSPµPICHjPsC,PëC‡PSPëPNë PSP°P±CHjClIpe
PsP±P»PëC‡C‡ClI, PeC-PSC†C-PIPsPe, PiCrP±, ClP»PëP·PsPiPëC... PsP±PsP»PsPSPsPe,
ClIpe·PëPeP°, PiPsP»PsClPSPiPsC— C%oC-P»PëPSPë C,P°/P°P±Ps PiPsCHjC,P°PSC- (PrCrP¶Pµ
CHjC-PrPePs вђ” P°PjP»PsPrPëPiC-PS; PSPµC‡P°ClC,Ps вђ” PiPµCHjPëPSPrPsPiCHjPëP») (PrPëPl.
CHjPsP·PrC-P» B«PhClPSP±P»PëPIPsClC,C- P·P°ClC,PsClCrfPIP°PSPSClIB»);
PjCrP»CHbC,PëC,,PsCHjPjPSP° PµCHjPëC,PµPjP° (PrCrP¶Pµ CHjC-PrPePs - P°PjP»PsPrPëPiC-PS C,P°
PiPµCHjPëPSPrPsPiCHjPëP»); P°P»PsPiPµC†C-ClI (PSPµC‡P°ClC,Ps вђ” P°PjP»PsPrPëPiC-PS);B
PiCrCHjPiCrCHjP° (PSPµC‡P°ClC,Ps вђ” P°PjP»PsPrPëPiC-PS); P·PSPµP±P°CHjPIP»PµPSPSClI
C€PeC-CHjPë (PSPµC‡P°ClC,Ps вђ” P°PjP»PsPrPëPiC-PS); PiC-PiPµCHjPiC-PrCHjPsP·
(PSPµC‡P°ClC,Ps вђ” P°PjP»PsPrPëPiC-PS C,P° PiPµCHjPëPSPrPsPiCHjPëP»); ClPIPµCHjP±C-P¶
(PSPµC‡P°ClC,Ps вђ” P°PjP»PsPrPëPiC-PS; C‡P°ClC,Ps вђ” PiPµCHjPëPSPrPsPiCHjPëP»);
PiPëClPëPi, PµPeP·P°PSC,PµPjP° (PSPµC‡P°ClC,Ps вђ” P°PjP»PsPrPëPiC-PS; C‡P°ClC,Ps вђ”
PiPµCHjPëPSPrPsPiCHjPëP»); PeCHjPsPiPëPiбђ™ ClIPSPeP° (PSPµC‡P°ClC,Ps вђ”
P°PjP»PsPrPëPiC-PS C,P° PiPµCHjPëPSPrPsPiCHjPëP») (PrPëPl. CHjPsP·PrC-P»
B«PhClPSP±P»PëPIPsClC,C- P·P°ClC,PsClCrfPIP°PSPSClIB»); CHjPµP°PeC†C-C—
C,,PsC,PsC‡CrC,P»PëPIPsClC,C- (PrCrP¶Pµ CHjC-PrPePs вђ” P°PjP»PsPrPëPiC-PS;
PSPµC‡P°ClC,Ps* вђ” PiPµCHjPëPSPrPsPiCHjPëP»); PiPµPjC,C-PiPsC—Pr (PSPµC‡P°ClC,Ps* вђ”

ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»); ΠῖPsCῖPḗP»ΠμPSPSCῖ CῖPḗPjPῖC,PsPjC-Π ΠῖCῖPsCῡC-P°P·Cῖ (CῡC-PrPePs Bῡ ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»); CῖPḗPSPPrCῡPsPj PῖC,C-ΠΠμPSCῖP° Bῡ P°P¶PsPSCῖPsPSP° (PrCῖP¶Πμ CῡC-PrPePs Bῡ P°PjP»PsPrPḗPῖC-PS); ΠμPeCῖC,,PsP»C-P°C,PḗPIPSPḗP№ PrPμCῡPjP°C,PḗC, (PrCῖP¶Πμ CῡC-PrPePs Bῡ P°PjP»PsPrPḗPῖC-PS); C,PsPeCῖPḗCḗPSPḗP№ ΠμPῖC-PrPμCῡPjP°P»CḡPSPḗP№ PSPμPeCῡPsP»C-P· (CḗP°CῖC,PsC,P° PSPμPIC-PrPsPjP° Bῡ P°PjP»PsPrPḗPῖC-PS).

P— P±PsPeCῖ PsPῖPsCῡPSPs-CῡCῖC...PsPIPsC— CῖPḗCῖC,ΠμPjPḗ C,P° CῖPῖPsP»CῖCḗPSPsC— C,PeP°PSPḗPSPḗ: PSP°P±CῡCῖPe CῖCῖPῖP»PsP±C-Π (PSP°P±CῡCῖPe C%°PḗPePsP»PsC,PsPe) (CḗP°CῖC,Ps Bῡ P°PjP»PsPrPḗPῖC-PS); P°CῡC,CῡP°P»PῖC-Cῖ (PSPμCḗP°CῖC,Ps Bῡ P°PjP»PsPrPḗPῖC-PS; PSPμCḗP°CῖC,Ps* Bῡ ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»); PjC-P°P»PῖC-Cῖ (PSPμCḗP°CῖC,Ps Bῡ P°PjP»PsPrPḗPῖC-PS; PSPμCḗP°CῖC,Ps* Bῡ ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»); CῖPῖP°P·PjPḗ PjBῡ™CῖP·C-Π (CḗP°CῖC,Ps Bῡ P°PjP»PsPrPḗPῖC-PS C,P° ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»); P±C-P»Cḡ Cῖ CῖPῖPḗPSC- (PSPμCḗP°CῖC,Ps Bῡ P°PjP»PsPrPḗPῖC-PS).

P— P±PsPeCῖ CῖPμCḗPsPIPḗPrC-P»CḡPSPsC— CῖPḗCῖC,ΠμPjPḗ: ΠῖPsCῡCῖCḗPμPSPSCῖ CῖPμCḗPsPIPḗPῖCῖCῖPḗP°PSPSCῖ, PSC-PeC,CῖCῡC-Cῖ, ΠῖPsP»P°PeC-CῖCῡC-Cῖ (CḗP°CῖC,Πμ CῖPμCḗPsPIPḗPῖCῖCῖPḗP°PSPSCῖ) (PSPμCḗP°CῖC,Ps Bῡ P°PjP»PsPrPḗPῖC-PS); PSPḗCῡPePsPIP° PSPμPrPsCῖC,P°C,PSC-CῖC,Cḡ (PSPμCḗP°CῖC,Ps Bῡ ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»); ΠῖPsCῖC,CῡP° PSPḗCῡPePsPIP° PSPμPrPsCῖC,P°C,PSC-CῖC,Cḡ (CῡC-PrPePs Bῡ ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»); P°PSCῖCῡC-Cῖ/PsP»C-PῖCῖCῡC-Cῖ (CῡC-PrPePs* Bῡ ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»).

P— P±PsPeCῖ CῡPμPῖCῡPsPrCῖPeC,PḗPIPSPsC— CῖPḗCῖC,ΠμPjPḗ C,P° PjPsP»PsCḗPSPḗC... P·P°P»PsP·: ΠμCῡPμPeC,PḗP»CḡPSP° PrPḗCῖC,,CῖPSPeCḗC-Cῖ (PSPμCḗP°CῖC,Ps Bῡ P°PjP»PsPrPḗPῖC-PS C,P° ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»); PῖC-PSPμPePsPjP°CῖC,C-Cῖ (PSPμCḗP°CῖC,Ps Bῡ P°PjP»PsPrPḗPῖC-PS).

P—P°PῖP°P»CḡPSC- CῡPsP·P»P°PrPḗ C,P° CῡPμP°PeCḗC-C— Cῖ PjC-CῖCḗC- ΠΠΠμPrPμPSPSCῖ: PSP°P±CῡCῖPePḗ (PrCῖP¶Πμ CḗP°CῖC,Ps Bῡ P°PjP»PsPrPḗPῖC-PS); ΠῖΠμCῡPḗC,,ΠμCῡPḗCḗPSC- PSP°P±CῡCῖPePḗ (PSPμCḗP°CῖC,Ps* Bῡ ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»); PῖC-PrPIPḗC%°ΠμPSP° PIC,PsPjP»CḡPIP°PSC-CῖC,Cḡ (CḗP°CῖC,Ps Bῡ P°PjP»PsPrPḗPῖC-PS); P±C-P»Cḡ Cῖ PῖCῡCῖPrPSC-P№ PeP»C-C,CḗC- (PSPμCḗP°CῖC,Ps Bῡ P°PjP»PsPrPḗPῖC-PS; PSPμCḗP°CῖC,Ps* Bῡ ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»); P°CῖC,ΠμPSC-Cῖ (CḗP°CῖC,Ps Bῡ P°PjP»PsPrPḗPῖC-PS C,P° ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»); P±C-P»Cḡ (PSPμCḗP°CῖC,Ps Bῡ P°PjP»PsPrPḗPῖC-PS); PSPμP·PrCῖP¶P°PSPSCῖ (PSPμCḗP°CῖC,Ps Bῡ P°PjP»PsPrPḗPῖC-PS; PSPμCḗP°CῖC,Ps* Bῡ ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»); PῖC-ΠῖΠμCῡC,ΠμCῡPjC-Cῖ (PSPμCḗP°CῖC,Ps* Bῡ ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»).

P ΠμP·CῖP»CḡC,P°C,Pḗ P»P°P±PsCῡP°C,PsCῡPSPḗC... PrPsCῖP»C-PrP¶ΠμPSCḡ: P·P±C-P»CḡCḗPμPSPSCῖ PjP°CῖPḗ C,C-P»P°, P·PjPμPSCḗPμPSPSCῖ PjP°CῖPḗ C,C-P»P° (PSPμCḗP°CῖC,Ps Bῡ P°PjP»PsPrPḗPῖC-PS); PῖC-PrPIPḗC%°ΠμPSPSCῖ CῡC-ΠPSCῖ CῖPμCḗPsPIPḗPSPḗ Cῖ PeCῡPsPIC- (PSPμCḗP°CῖC,Ps* Bῡ ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»); PῖC-PrPIPḗC%°ΠμPSPSCῖ CῡC-ΠPSCῖ PeCῡPμP°C,PḗPSC-PSCῖ Cῖ PeCῡPsPIC- (PSPμCḗP°CῖC,Ps* Bῡ ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»); PῖC-PrPIPḗC%°ΠμPSPSCῖ CῡC-ΠPSCῖ P±C-P»C-CῡCῖP±C-PSCῖ Cῖ PeCῡPsPIC- (CῡC-PrPePs Bῡ ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»); PῖC-PrPIPḗC%°ΠμPSPSCῖ CῡC-ΠPSCῖ ΠῖΠμCḗC-PSPePsPIPḗC... C,,ΠμCῡPjPμPSC,C-Π (CῡC-PrPePs Bῡ ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»); P·PSPḗP¶ΠμPSPSCῖ CῡC-ΠPSCῖ ΠῖΠμPjPsPῖP»PsP±C-PSCῖ C,P° ΠῖΠμPjP°C,PsPeCῡPḗC,Cῖ (PrCῖP¶Πμ CῡC-PrPePs Bῡ ΠῖΠμCῡPḗPSPPrPsPῖCῡPḗP»).

PJC€PePsPrP¶PµPSPSC¶, PsC, C¶C¶C¶PSPSC¶ C, P° C¶C¶PeP»P°PrPSPµPSPSC¶ P¶C¶P¶
P¶C¶PsPIPµPrPµPSPSC- P¶C¶PsC¶PµPrC¶C¶: P¶P°PrC-PSPSC¶ (PSPµC¶P°C¶C, Ps* B¶
P¶PµC¶P¶PSPPrPsP¶C¶P¶P»).

*P§P°C¶C, PsC, C¶ P±C¶P»Ps C¶PsP·C¶P°C...PsPIP°PSPs P·P° PrP°PSP¶PjP¶ C¶P¶PsPSC, P°PSPSP¶C...
P¶PsPIC-PrPsPjP»PµPSC¶ P¶C¶Ps P¶PsP±C-C¶PSC- C¶PµP°PeC¶C-C—, PIP¶C¶PIP»PµPSC- C¶ C...PsPrC-
PeP»C-PSC-C¶PSP¶C... PrPsC¶P»C-PrP¶PµPSC¶.

PµPsPIC-PrPsPjP»PµPSPSC¶ P¶C¶Ps P¶PsP±C-C¶PSC- C¶PµP°PeC¶C-C— P¶C-C¶P»C¶
C¶PµC¶C¶C, C¶P°C¶C-C— P»C-PeP°C¶C¶C¶PePsPiPs P·P°C¶PsP±C¶ PjP°C¶ PIPµP»P¶PePµ
P·PSP°C¶PµPSPSC¶. P¶Pµ PrP°C¶ P·PjPsPiC¶ P¶C¶PsPIPsPrP¶C, P¶ PjPsPSC-C, PsC¶P¶PSPi
C¶P¶C-PIPIC-PrPSPsC¶PµPSPSC¶ PePsC¶P¶C¶C, C¶/C¶P¶P·P¶Pe P¶C¶P¶
P·P°C¶C, PsC¶C¶PIP°PSPSC- C¶C¶PsPiPs P»C-PeP°C¶C¶C¶PePsPiPs P·P°C¶PsP±C¶.
P¶PµPrP¶C¶PSP¶Pj C, P° C, „P°C¶PjP°C¶PµPIC, P¶C¶PSP¶Pj P¶C¶P°C¶C-PIPS¶PeP°Pj, P°
C, P°PePsP¶ P¶P°C¶C-C¶PSC, P°Pj P°P±Ps C—C...PSC-Pj P·P°PePsPSPSP¶Pj
P¶C¶PµPrC¶C, P°PIPSP¶PeP°Pj C¶P»C-Pr P¶PsPIC-PrPsPjP»C¶C, P¶ P¶C¶Ps C¶C¶C-
PIP¶P¶P°PrPeP¶ P¶C-PrPsP·C¶C¶PIP°PSP¶C... P¶PsP±C-C¶PSP¶C... C¶PµP°PeC¶C-PN¶ C, P°
PIC-PrC¶C¶C, PSPsC¶C, C- PµC, „PµPeC, P¶PIPSPsC¶C, C- P»C-PeP°C¶C¶C¶PePsPiPs P·P°C¶PsP±C¶
C¶PµC¶PµP· P¶PIC, PsPjP°C, P¶P·PsPIP°PSC¶ C-PSC, „PsC¶PjP°C¶C-PN¶PSC¶ C¶P¶C¶C, PµPjC¶ P·
C, „P°C¶PjP°PePsPSP°PiP»C¶PrC¶ P·P° P¶PsC¶P¶P»P°PSPSC¶Pj: <https://aisf.dec.gov.ua>

P¶PµC¶PjC-PS P¶C¶P¶PrP°C, PSPsC¶C, C-.

2 C¶PsPeP¶.

PIPjPsPIP¶ P·P±PµC¶C-PiP°PSPSC¶.

P—P±PµC¶C-PiP°C, P¶ P¶C¶P¶ C, PµPjPiPµC¶P°C, C¶C¶C- PSPµ PIP¶C¶%Pµ 30 B°C PI
PsC¶P¶PiC-PSP°P»C¶PSC-PN¶ C¶P¶P°PePsPIC¶C-.

P—P±PµC¶C-PiP°C, P¶ PI PSPµPrPsC¶C, C¶P¶PSPsPjC¶ PrP»C¶ PrC-C, PµPN¶ PjC-C¶C¶C-.

PjP¶P°PePsPIPeP°.

PµPs 30 C, P°P±P»PµC, PsPe (10×3) C¶ P±P»C-C¶C, PµC¶C- C¶ P¶P°C¶C¶C- P· PeP°C¶C, PsPSC¶.

P¶P°C, PµPiPsC¶C-C¶ PIC-PrP¶C¶C¶PeC¶.

P—P° C¶PµC¶PµP¶C, PsPj.

P'P¶C¶PsP±PSP¶Pe.

Р҃҃Р҃Р҃ Р҃Р҃Р҃ В«Р҃Р҃Р҃Р҃ Р҃Р҃Р҃Р҃Р҃Р҃» (PIC-PrPіPsPIC-PrP°P»CHPSPөPNө Р·Р° PIPөPіCfCfPe CfPμCfC-C—, PSPμ PIPөP»CHC±P°CHC±Pө PePsPSC,CfPsP»CH/PIPөPіCfPsP±CfPIP°PSPSCf CfPμCfC-C—).

Р҃Р҃ В«Р҃Р҃Р҃Р҃Р҃Р҃» (PIC-PrPіPsPIC-PrP°P»CHPSPөPNө Р·Р° PIPөCfPsP±PSPөCfC,PIPs C,P° PePsPSC,CfPsP»CH/PIPөPіCfPsP±CfPIP°PSPSCf CfPμCfC-C—, PSPμ PIPөP»CHC±P°CHC±Pө PIPөPіCfCfPe CfPμCfC-C—).

Р҃PsPIC-PrPsPjPөC,Pө PіCfPs PSPμP±P°P¶P°PSPμ C¶PIPөC%Pμ PіCfPө Р·Р°CfC,PсCfCfPIP°PSPSC- P»C-PөP°CfCfCHPePsPiPs Р·Р°CfPsP±Cf Р’Pө PjPsP¶PμC,Pμ C±PμCfPμP· CfPөCfC,PμPjCf C„P°CfPjP°PePsPSP°PiP»C¶PrCf Р҃Р҃Р҃ Р҃Р҃Р҃ В«Р҃Р҃Р҃Р҃ Р҃Р҃Р҃Р҃Р҃Р҃» PSP° PSPsPjPμCf C,PμP»PμC„PsPSCf: 38(050) 309-83-54 (CfC-P»PsPrPsP±PsPIPs) P°P±Ps Р·Р° PіPsCfPөP»P°PSPSCfPj: <https://microkhim.com.ua/farmakonaglyad/>

Р҃C-CfCfPμP·PSP°C...PsPrP¶PμPSPSCf PIPөCfPsP±PSPөPeP° C,P° P°PrCfPμCfP° PjC-CfCfCf PіCfPsPIP°PrP¶PμPSPSCf PNөPsPiPs PrC-C¶P»CHPSPсCfC,C-.

PJPeCfP°C—PSP°, 01013, Pj. Р҃PөC—PI, PICfP». P’CfPrC-PSPPrCfCfC,CfC-C—, P±CfPr. 5.

PJPeCfP°C—PSP°, 04080, Pj. Р҃PөC—PI, PICfP». Р҃PөCfPөP»C-PICfCHPeP°, 74.