

**PrP»CЦ PjPμPrPëC‡PSPsPiPs P•P°CíC,PsCíCíPIP°PSPSCЦ P»C-PeP°CíCíCñPePsPiPs
P•P°CíPsP±Cí**

(DUAC)

PrC-CHC≡C- C₇H₅PC≡PSPiPēPSPē: P±P_μPSP·P_SC—P»C_r P_iP_μC₇H₅P_SPeC_l⁺PēPr P±P_μP·PiP_SPrPSPēP_N (C_r PIPēPiP»C_lPrC- P±P_μPSP·P_SC—P»C_r P_iP_μC₇H₅P_SPeC_l⁺PēPrC_r PIP_SPrPSP_SPiP_S),
PeP»C-PSPrP°PjC-C†PēPS (C_r PIPēPiP»C_lPrC- PeP»C-PSPrP°PjC-C†PēPSC_r C_„PsC_lC_„P°C,C_r);

1 Pi PiPμP»C_H PjC-CíC,PëC,C_H P±PμPSP·PSc—P»Cr₁ PiPμC_HPsPeCíPëPrCr₁
P±PμP·PiPsPrPSPsPiPs (Cr₁ PiPëPiP»C_{Li}PrC- P±PμPSP·PSc—P»Cr₁ PiPμC_HPsPeCíPëPrCr₁
PiPsPrPSPsPiPs) 50 PjPi; PeP»C-PSPrP°PjC-C†PëPSCr₁ (Cr₁ PiPëPiP»C_{Li}PrC-
PeP»C-PSPrP°PjC-C†PëPSCr₁ C_„PsCíC_„P°C,Cr₁) 10 PjPi;

PrPsPiPsPjC-P¶PSC- C¶PµC±PsPIPëPSPë: PeP°C¶P±PsPjPµC¶, PrPëPjPµC,PëPePsPS, PrPëPSP°C,C¶C-C¶ P»P°CíC¶PëP»CíCíP»CHC,,PsCíCíPeC†PëPSP°C,, PrPëPSP°C,C¶C-C¶ PµPrPµC,P°C,, PiP»C-C†PµC¶PëPS, PeC¶PµPjPSC-C¶ PrC-PsPeCíPëPr PePsP»PsC—PrPSPëPNë PIPsPrPSPëPNë, PiPsP»PsPeCíP°PjPµC¶, PSP°C,C¶C-C¶ PiC-PrC¶PsPeCíPëPr, PIPsPrP° PsC±PëC%µPµPSP°.

PhCfPSPsPIPS- C,,C-P·PëPePs-C...C-PjC-C†PSC- PIP»P°CfC,PëPIPsCfC,C-:

PiPsPjPsPiPμPSPSPëPNø PiPμP»CHb P±C-P»PsPiPs P°P±Ps P·P»PμPiPeP° P¶PsPIC,Cr'PIP°C,PsPiPs
PePsP»CHbPsC¶Cr'.

**P_αP°C_βPjP°PePsC,PμC_βP°PīPμPIC,PēC±PSP°PiC_βCíPīP°. P_HC-CÍC†PμPIC- P·P°CÍPsP±Pē
PrP»Cİ P»C-PeCíPIP°PSPSCİ P°PePSPμ. P_LPsPr P_hPÿP_I D10A F51.**

$P\alpha P^{\circ}C\bar{H}PjP^{\circ}PePsP\gg PsPiC-C\bar{+}PSC-PIP\gg P^{\circ}C\bar{I}C,P\ddot{e}PIPsC\bar{I}C,C-$

$$P \propto P^{\circ} C \eta P_j P^{\circ} P \epsilon P_s P_r P \ddot{e} P S P^{\circ} P_j C - P \epsilon P^{\circ}$$

Р_ЛР»С-PSPrP°PjC-C†PëPS C” P»C-PSPePsP·P°PjC-PrPSPëPj P°PSC,PëP±C-PsC,PëPePsPj P·
P±P°PeC,PμCḤC-PsCḤC,P°C,PëC†PSPsCḤ PrC-C”CḤ PiCḤPsC,Pë PiCḤP°PjPiPsP·PëC,PëPIPSPëC...
P°PμCḤPsP±PSPëC... PjC-PeCḤPsPsCḤPiP°PSC-P·PjC-PI C,P° C€PëCḤPsPePsPiPs CḤPiPμPeC,CḤP°
P°PSP°PμCḤPsP±PSPëC... P±P°PeC,PμCḤC-PNḡ. P>C-PSPePsP·P°PjC-PrPë, C,P°PeC- CḤPe
PeP»C-PSPrP°PjC-C†PëPS, P·PiBḤ™ CḤP·CrCḤC,CḤCḤCḤ P· 23S CḤCrP±PsPrPëPSPëC†PμCḤ

$P \pm P^{\circ}PeC, P_{\mu}C_{\eta}C - P^{\circ}P \gg CH_3PSPsC - C_{\eta}P_{\bar{e}}P \pm PsC_{\eta}PsP_{\bar{e}} C, P^{\circ} P_{\bar{i}}C_{\eta}P_{\bar{e}}PiPSC - C \ddagger C_{\eta}C, CH_3$
 $C_{\eta}P^{\circ}PSPSC - C_{\eta}C, P^{\circ}PrC - C - C_{\eta}P_{\bar{e}}PSC, P_{\mu}P \cdot C_{\eta} P \pm C - P \gg PeP^{\circ}. P^{\circ}C - C_{\eta} PeP \gg C - PSPPrP^{\circ}PjC - C \ddagger P_{\bar{e}}PSC_{\eta}$
 $C'' P_{\bar{i}}P_{\mu}C_{\eta}P_{\mu}PIP^{\circ}P_{\eta}PSPs P \pm P^{\circ}PeC, P_{\mu}C_{\eta}C - PsC_{\eta}C, P^{\circ}C, P_{\bar{e}}C \ddagger PSPsC_{\eta}, C...PsC \ddagger P^{\circ} PIP_{\bar{e}}C_{\eta}PsPeC -$
 $PePsPSC \ddagger P_{\mu}PSC, C_{\eta}P^{\circ}C \ddagger C - C - PjPsP_{\eta}C_{\eta}C, CH_3 C \ddagger P_{\bar{e}}PSP_{\bar{e}}C, P_{\bar{e}} P_{\bar{i}}PsPIC - P \gg CH_3PSC_{\eta}$
 $P \pm P^{\circ}PeC, P_{\mu}C_{\eta}P_{\bar{e}}C \ddagger P_{\bar{e}}PrPSC_{\eta} PrC - C_{\eta} P_{\bar{i}}C_{\eta}PsC, P_{\bar{e}} C \ddagger C_{\eta}C, P \gg P_{\bar{e}}PIP_{\bar{e}}C... C_{\eta}C, P^{\circ}PjC - PI.$

$PI_{\eta}PsC \ddagger P^{\circ} PeP \gg C - PSPPrP^{\circ}PjC - C \ddagger P_{\bar{e}}PSC_{\eta} C, PsC_{\eta}C, P^{\circ}C, C'' PSP_{\mu}P^{\circ}PeC, P_{\bar{e}}PIPSP_{\bar{e}}Pj$ *in vitro*,
 $C_{\eta}PIP_{\bar{e}}PrPeP_{\bar{e}}PN_{\bar{e}} PiC - PrC_{\eta}PsP \gg C - P$ *in vivo* $P_{\bar{i}}P_{\mu}C_{\eta}P_{\mu}C, PIPsC_{\eta}C_{\eta}C'' C \ddagger C_{\eta} C_{\eta}P_{\bar{i}}PsP \gg C_{\eta}PeC_{\eta}$
 $PSP^{\circ}B P^{\circ}PeC, P_{\bar{e}}PIPSP_{\bar{e}}PN_{\bar{e}} P_{\bar{i}}C_{\eta}PsC, P_{\bar{e}} P \pm P^{\circ}PeC, P_{\mu}C_{\eta}C - PN_{\bar{e}} PeP \gg C - PSPPrP^{\circ}PjC - C \ddagger P_{\bar{e}}PS.$
 $P_{\eta}PSC, P_{\bar{e}}P \pm P^{\circ}PeC, P_{\mu}C_{\eta}C - P^{\circ}P \gg CH_3PSP^{\circ} P^{\circ}PeC, P_{\bar{e}}PIPSC - C_{\eta}C, CH_3 PeP \gg C - PSPPrP^{\circ}PjC - C \ddagger P_{\bar{e}}PSC_{\eta}$
 $P \pm C_{\eta}P \gg P^{\circ} P_{\bar{i}}C_{\eta}PsPrP_{\mu}PjPsPSC_{\eta}C, C_{\eta}PsPIP^{\circ}PSP^{\circ} PeP \gg C - PSC - C \ddagger PSPs P_{\bar{i}}C_{\eta}P_{\bar{e}}$
 $P \gg C - PeC_{\eta}PIP^{\circ}PSPSC - PePsPjP_{\mu}PrPsPSC - PI C_{\eta} P_{\bar{i}}P^{\circ}C \ddagger C - C''PSC, C - PI P \cdot P^{\circ}PePSP_{\mu} PSP^{\circ}$
 $C_{\eta}C - PIPSC_{\eta}C..., PrPsC_{\eta}C, P^{\circ}C, PSC - C..., C_{\eta}PsP \pm P \pm C_{\eta}C, P_{\bar{e}} P^{\circ}PeC, P_{\bar{e}}PIPSP_{\bar{e}}PjP_{\bar{e}} P_{\bar{i}}C_{\eta}PsC, P_{\bar{e}}$
 $P \pm C - P \gg CH_3C_{\eta}PsC_{\eta}C, C - C_{\eta}C, P^{\circ}PjC - PI$ *Propionibacterium acnes*. $P_{\eta}P \gg C - PSPPrP^{\circ}PjC - C \ddagger P_{\bar{e}}PS$ *in vivo*
 $C - PSPiC - P \pm C_{\eta}C'' PIC_{\eta}C - P_{\bar{i}}C_{\eta}PsC, P_{\mu}C_{\eta}C, PsPIP^{\circ}PSC - PeC_{\eta}P \gg CH_3C, C_{\eta}C_{\eta}P_{\bar{e}} Propionibacterium$
 $acnes$ (MIC-0,4 $PjPePi/PjP \gg$). $P_{\eta}C - C_{\eta}P \gg C_{\eta} P \cdot P^{\circ}C_{\eta}C, PsC_{\eta}C_{\eta}PIP^{\circ}PSPSC_{\eta}$
 $PeP \gg C - PSPPrP^{\circ}PjC - C \ddagger P_{\bar{e}}PSC_{\eta} PIC - PrC_{\eta}PsC, PsPe PIC - P \gg CH_3PSP_{\bar{e}}C... P_{\eta}P_{\bar{e}}C_{\eta}PSP_{\bar{e}}C...$
 $PeP_{\bar{e}}C_{\eta}P \gg PsC, PSP^{\circ} P_{\bar{i}}PsPIP_{\mu}C_{\eta}C...PSC - C_{\eta}PeC - C_{\eta}P_{\bar{e}} P \cdot PSP_{\bar{e}}P_{\eta}C_{\eta}PIP^{\circ}PIC_{\eta}C_{\eta}$
 $P_{\bar{i}}C_{\eta}P_{\bar{e}}P \pm P \gg P_{\bar{e}}P \cdot PSPs P \cdot 14 \% PrPs 2 \%$.

$P^{\circ}P_{\mu}PSP \cdot PsC - P \gg C_{\eta} P_{\bar{i}}P_{\mu}C_{\eta}PsPeC_{\eta}P_{\bar{e}}Pr C \ddagger P_{\bar{e}}PSP_{\bar{e}}C, CH_3 Pj_{\eta}C_{\eta} C_{\eta}PeC_{\eta}$
 $PeP_{\mu}C_{\eta}P^{\circ}C, PsP \gg C - C, P_{\bar{e}}C \ddagger PSC_{\eta} PrC - C_{\eta} PIC - PrPSPsC_{\eta}PSPs PePsPjP_{\mu}PrPsPSC - PI PSP^{\circ} PIC_{\eta}C - C...$
 $C_{\eta}C, P^{\circ}PrC - C_{\eta}C... C - C...PSC_{\eta}PsPiPs C_{\eta}PsP \cdot PIP_{\bar{e}}C, PeC_{\eta}. P^{\circ}C - PS C'' C_{\eta}P_{\mu}C \ddagger PsPIP_{\bar{e}}PSPsC_{\eta} -$
 $PsPeP_{\bar{e}}C_{\eta}P \gg C_{\eta}PIP^{\circ}C \ddagger P_{\mu}Pj P \cdot P \pm P^{\circ}PeC, P_{\mu}C_{\eta}P_{\bar{e}}C \ddagger P_{\bar{e}}PrPSPsC_{\eta} P^{\circ}PeC, P_{\bar{e}}PIPSC - C_{\eta}C, C_{\eta}$
 $P_{\bar{i}}C_{\eta}PsC, P_{\bar{e}} Propionibacterium acnes, PjC - PeC_{\eta}PsPsC_{\eta}PiP^{\circ}PSC - P \cdot PjC_{\eta}, C_{\eta}PeP_{\bar{e}}PN_{\bar{e}}$
 $C_{\eta}P_{\bar{i}}C_{\eta}P_{\bar{e}}C \ddagger P_{\bar{e}}PSC_{\eta}C'' C_{\eta}PsP \cdot PIP_{\bar{e}}C, PsPe PIC_{\eta}P \gg CH_3PiP^{\circ}C_{\eta}PSP_{\bar{e}}C... PIC_{\eta}PiC_{\eta}C - PI. P_{\eta}C_{\eta}C - Pj$
 $C, PsPiPs, PIC - PS C'' C_{\eta}P_{\mu}P \pm PsC_{\eta}C, P^{\circ}C, P_{\bar{e}}PePsPj, C_{\eta}PeP_{\bar{e}}PN_{\bar{e}} P_{\bar{i}}C_{\eta}PsC, P_{\bar{e}}PrC - C''$
 $PSP^{\circ}PrPjC - C_{\eta}PSC - PN_{\bar{e}} P_{\bar{i}}C_{\eta}PsPrC_{\eta}PeC \ddagger C - C - C_{\eta}PeC - C_{\eta}PSPsPiPs C_{\eta}P^{\circ}P \gg P^{\circ}, C_{\eta}Ps$
 $P^{\circ}C_{\eta}PsC \ddagger C - C_{\eta}C''C, CH_3C_{\eta}C_{\eta} P \cdot P^{\circ}PePSP_{\mu}.$

$P''PsPrP^{\circ}PIP^{\circ}PSPSC_{\eta} P \pm P_{\mu}PSP \cdot PsC - P \gg C_{\eta} P_{\bar{i}}P_{\mu}C_{\eta}PsPeC_{\eta}P_{\bar{e}}PrC_{\eta} P \cdot PSP_{\bar{e}}P_{\eta}C_{\eta}$
 $P_{\bar{i}}PsC, P_{\mu}PSC \ddagger C - P^{\circ}P \gg P_{\bar{i}}PsC_{\eta}PIP_{\bar{e}} PjC - PeC_{\eta}PsPsC_{\eta}PiP^{\circ}PSC - P \cdot PjC - PI,$
 $C_{\eta}P_{\mu}P \cdot P_{\bar{e}}C_{\eta}C, P_{\mu}PSC, PSP_{\bar{e}}C... PrPs PeP \gg C - PSPPrP^{\circ}PjC - C \ddagger P_{\bar{e}}PSC_{\eta}.$

$P_{\eta}P^{\circ}C_{\eta}PjP^{\circ}PePsPeC - PSP_{\mu}C, P_{\bar{e}}PeP^{\circ}$

$P_{\eta}P_{\mu}C_{\eta}P_{\mu}P \cdot C_{\eta}PeC - C_{\eta}PSP^{\circ} P^{\circ}P \pm C_{\eta}PsC_{\eta}P \pm C \ddagger C - C_{\eta} PeP \gg C - PSPPrP^{\circ}PjC - C \ddagger P_{\bar{e}}PSC_{\eta}$
 $PjC - PSC - PjP^{\circ}P \gg CH_3PSP^{\circ}. P_{\eta}C_{\eta}P_{\bar{e}}C_{\eta}C_{\eta}C, PSC - C_{\eta}C, CH_3 P \pm P_{\mu}PSP \cdot PsC - P \gg C_{\eta} P_{\bar{i}}P_{\mu}C_{\eta}PsPeC_{\eta}P_{\bar{e}}PrC_{\eta}$
 $C_{\eta} C_{\eta}P_{\bar{e}}P \gg P^{\circ}PrC - P \gg C - PeP^{\circ}C_{\eta}C_{\eta}CH_3PePsPiPs P \cdot P^{\circ}C_{\eta}PsP \pm C_{\eta} PSP_{\mu} PIP_{\bar{i}}P \gg P_{\bar{e}}PIP^{\circ}P \gg P^{\circ} PSP^{\circ}$
 $C \ddagger P_{\mu}C_{\eta}P_{\mu}P \cdot C_{\eta}PeC - C_{\eta}PSC_{\eta} P^{\circ}P \pm C_{\eta}PsC_{\eta}P \pm C \ddagger C - C_{\eta} PeP \gg C - PSPPrP^{\circ}PjC - C \ddagger P_{\bar{e}}PSC_{\eta}.$
 $P''PsC_{\eta}P \gg C - PrP_{\eta}P_{\mu}PSPSC_{\eta} P \cdot C_{\eta}P^{\circ}PrC - PsPjP^{\circ}C_{\eta}PeC_{\eta}PIP^{\circ}PSPSC_{\eta}Pj P_{\bar{i}}PsPeP^{\circ}P \cdot P^{\circ}P \gg P_{\bar{e}}, C_{\eta}Ps$
 $P^{\circ}P \pm C_{\eta}PsC_{\eta}P \pm C \ddagger C - C_{\eta} P \pm P_{\mu}PSP \cdot PsC - P \gg C_{\eta} P_{\bar{i}}P_{\mu}C_{\eta}PsPeC_{\eta}P_{\bar{e}}PrC_{\eta} C \ddagger P_{\mu}C_{\eta}P_{\mu}P \cdot C_{\eta}PeC - C_{\eta}C_{\eta}$
 $PjPsP_{\eta}P \gg P_{\bar{e}}PIP^{\circ} C, C - P \gg CH_3PeP_{\bar{e}} P_{\bar{i}}C - C_{\eta}P \gg C_{\eta} PN_{\bar{e}}PsPiPs P_{\bar{i}}P_{\mu}C_{\eta}P_{\mu}C, PIPsC_{\eta}P_{\mu}PSPSC_{\eta} PSP^{\circ}$
 $P \pm P_{\mu}PSP \cdot PsPN_{\bar{e}}PSC_{\eta} PeP_{\bar{e}}C_{\eta}P \gg PsC, C_{\eta}. P^{\circ}P_{\mu}PSP \cdot PsPN_{\bar{e}}PSP^{\circ} PeP_{\bar{e}}C_{\eta}P \gg PsC, P^{\circ} P_{\bar{i}}P_{\mu}C_{\eta}P_{\mu}PIP^{\circ}P_{\eta}PSPs$
 $PePsPS_{\eta}C_{\eta} C_{\eta}PiC_{\eta}C''C, CH_3C_{\eta}C_{\eta} P \cdot C_{\eta}C, PIPsC_{\eta}P_{\mu}PSPSC_{\eta}Pj PiC - P_{\bar{i}}C_{\eta}C_{\eta}PsPIPSC -$
 $PeP_{\bar{e}}C_{\eta}P \gg PsC, P_{\bar{e}}, C_{\eta}PeP^{\circ} PIP_{\bar{e}}PIPPrP_{\bar{e}}C, CH_3C_{\eta}C_{\eta} PSP_{\bar{e}}C_{\eta}PeP^{\circ}PjP_{\bar{e}}.$

$P_{\eta}P \gg C - PSC - C \ddagger PSC - C...P^{\circ}C_{\eta}P^{\circ}PeC, P_{\mu}C_{\eta}P_{\bar{e}}C_{\eta}C, P_{\bar{e}}PeP_{\bar{e}}.$

$P_{\mu}PsPeP^{\circ}P \cdot P^{\circ}PSPSC_{\eta}.$

P₄C₇P₆ C⁺C⁺P₃C-C⁺PSPsP₃C⁺ P·P⁺C⁺C⁺,PsC⁺C⁺PIP⁺PSPSC- P₃C-C⁺C⁺+P₄PIP₆C...
P⁺PSC,P₆P₄C-PsC,P₆P₆C-PI, P₃P₄PrP₆C⁺PSPsPiPs, P·PIP₆C⁺+P⁺P₄PSPsPiPs P⁺P₄P₆

P°P±CḡP°P·PëPIPSpPiPs PjPëP»P° C- PePsCíPjPµC,PëC±PSPëC... P·P°CíPsp±C-PI, CḡPeC-
PjP°CḡC,CH Pïc-PrCíCíCëCíPIP°P»CHPSPëPNë PµC,,PµPeC,, P° C,P°PePsPḡ P·P°CíPsp±C-PI P·
PIPëCíPspPePsCḡ PePsPSC†PµPSC,CḡP°C†C-C”Cḡ CíPIPëCḡC,Cí C,P°/P°P±Ps
PIBḡ™ CḡPḡCíC±PëC... P°PiPµPSC,C-PI PjPsPḡP»PëPIPëPNë PeCíPjCíP»CḡC,PëPIPSpëPNë
Pïc-PrCḡP°P·PSCḡPIP°P»CHPSPëPNë PµC,,PµPeC,,.

PhCíPsp±P»PëPIPsCíC,C- P·P°CíC,PsCíC±PIP°PSPSCḡ.

PŸP»C-Pr CíPSPëPeP°C,Pë PePsPSC,P°PeC,Cí P· PsC±PëPjP°, CḡPsC,PsPj, PíCíP±P°PjPë,
C-PSCëPëPjPë CíP»PëP·PsPIPëPjPë PsP±PsP»PsSPëP°PjPë P°P±Ps PrC-P»CḡPSPëP°PjPë P·
PíPsPrCḡP°P·PSPµPSPSCḡPjPë P°P±Ps PíPsCëPePsPrPḡPµPSPSCḡPjPë CëPeC-CḡPë. Pj CḡP°P·C-
PIPëPíP°PrPePsPIPsPiPs PePsPSC,P°PeC,Cí PrPsP±CḡPµ PíCḡPsPjPëC,Pë PIPsPrPsCḡ.

PµCḡPsC,CḡPiPsPj PíPµCḡCëPëC... C,PëPḡPSC-PI P»C-PeCíPIP°PSPSCḡ Cí
P±C-P»CHCëPsCíC,C- PíP°C†C-C”PSC,C-PI PjPsPḡPµ CíPíPsCíC,PµCḡC-PíP°C,PëCíCḡ
PíPsCíPëP»PµPSPSCḡ PIC-PrP»CíC%oCíPIP°PSPSCḡ C,P° PíPsC±PµCḡPIPsPSC-PSPSCḡ
CëPeC-CḡPë. P—P°P»PµPḡPSPs PIC-Pr C,CḡPḡPePsCíC,C- C†PëC... PíPsP±C-C±PSPëC...
PµC,,PµPeC,C-PI PíP°C†C-C”PSC, PjPsPḡPµ P·P°CíC,PsCíCíPIP°C,Pë P·PIPsP»PsPḡCíCḡC±PëPNë
P·P°CíC-P±, C,PëPjC±P°CíPspIPs P·PjPµPSCëPëC,Pë C±P°CíC,PsC,Cí PSP°PSPµCíPµPSPSCḡ
PeP»C-PSPPrP°PjC-C†PëPSCí/P±PµPSP·PsC—P»Cí PíPµCḡPsPeCíPëPrCí P°P±Ps
C,PëPjC±P°CíPspIPs PíCḡPëPíPëPSPëC,Pë PNëPsPiPs P·P°CíC,PsCíCíPIP°PSPSCḡ, PsPrPSP°Pe
PµC,,PµPeC,PëPIPSC-CíC,CH P·P°CíC,PsCíCíPIP°PSPSCḡ P· C±P°CíC,PsC,PsCḡ PjPµPSCëPµ
PSC-Pḡ 1 CḡP°P· PSP° PrPsP±Cí PSPµ PrPsPIPµPrPµPSP°.

PŸCíPjC-CíPSPµ P·P°CíC,PsCíCíPIP°PSPSCḡ C-PSCëPëC... C,PsPíC-C±PSPëC...
PíCḡPµPíP°CḡP°C,C-PI PrP»Cḡ P»C-PeCíPIP°PSPSCḡ P°PePSPµ CíP»C-Pr PíCḡPsPIPsPrPëC,Pë
P· PsP±PµCḡPµPḡPSC-CíC,Cḡ C±PµCḡPµP· PjPsPḡP»PëPIPëPNë PeCíPjCíP»CḡC,PëPIPSpëPNë
PíPsPrCḡP°P·PSCḡPIP°P»CHPSPëPNë PµC,,PµPeC,, C%oPs C-PSPëPsP»Pë PjPsPḡPµ P±CíC,Pë
C,CḡPḡPePëPj, PsCíPsp±P»PëPIPs PíCḡPë P·P°CíC,PsCíCíPIP°PSPSC-
PrPµCíPePIP°PjP°C,PëPIPSpëC... P°P±Ps P°P±CḡP°P·PëPIPSpëC... C-PSPiCḡPµPrC-C”PSC,C-PI.

PíPeC%oPs PIPëPSPëPeP°C” C,CḡPḡPePµ PjC-CíC†PµPIPµ PíPsPrCḡP°P·PSPµPSPSCḡ
(PSP°PíCḡPëPeP»P°Pr, C,CḡPḡPeP° PµCḡPëC,PµPjP°, CíCíC...C-CíC,CH P°P±Ps
CíPIPµCḡP±C-Pḡ, CíPëP»CHPSPµ PḡP°P»C-PSPSCḡ/PíPµC±C-PSPSCḡ)
P·P°CíC,PsCíCíPIP°PSPSCḡ PeP»C-PSPPrP°PjC-C†PëPSCí/P±PµPSP·PsC—P»Cí
PíPµCḡPsPeCíPëPrCí CíP»C-Pr PíCḡPëPíPëPSPëC,Pë.

P’PµPSP·PsC—P»Cí PíPµCḡPsPeCíPëPr PjPsPḡPµ CíPíCḡPëC±PëPSCḡC,Pë PíC-PrPIPëC%oPµPSCí
C±CíC,P»PëPIC-CíC,CH PrPs CíPsPSCḡC±PSPëC... PíCḡPsPjPµPSC-PI, C,PsPjCí CíP»C-Pr
CíPSPëPeP°C,Pë P·P°CíC,PsCíPspICíPIP°PSPSCḡ CíP»CHC,CḡP°C,,C-PsP»PµC,PsPIPëC...
CíPIC-C,PëP»CHPSPëPeC-PI C,P° CíPSPëPeP°C,Pë P°P±Ps PjC-PSC-PjC-P·CíPIP°C,Pë PIPíP»PëPI
CíPsPSCḡC±PSPsPiPs CíPIC-C,P»P°. PíPeC%oPs PSPµ PjPsPḡPSP° CíPSPëPePSCíC,Pë
CíPëP»CHPSPsPiPs PIPíP»PëPICí CíPsPSCḡC±PSPsPiPs CíPIC-C,P»P°, PíP°C†C-C”PSC,Cí
CíP»C-Pr PíPsCḡP°PrPëC,Pë PIPëPePsCḡPëCíC,P°PSPSCḡ CíPsPSC†PµP·P°C...PëCíPSPëC...
P·P°CíPsp±C-PI C,P° P·P°C...PëCíPSPsPiPs PsPrCḡPiCí.

PíPeC%oPs PíP°C†C-C”PSC, PjP°C” CíPsPSCḡC±PSC- PsPíC-PePë, C—C... PSPµPsP±C...C-PrPSPs
PIPëP»C-PeCíPIP°C,Pë PrPs PíCḡPëP·PSP°C±PµPSPSCḡ
PeP»C-PSPPrP°PjC-C†PëPSCí/P±PµPSP·PsC—P»Cí PíPµCḡPsPeCíPëPrCí.

$$P^{\circ}P^{\circ}PSP\ddot{e}C\dots \ddot{P}iC\ddot{H}Ps\ PIP\ddot{P}\gg P\ddot{e}PI\ PjC-C\acute{I}C\ddagger P_{\mu}PIP_sPiPs\ P\cdot P^{\circ}C\acute{I}C, PsC\acute{I}C\ddagger PIP^{\circ}PSPSC\ddot{I}\ddot{I}$$

$$PeP\gg C-PSPr^{\circ}PjC-C\ddagger P\ddot{e}PSC\acute{r}\ P^{\circ}P\pm Ps\ P\pm P_{\mu}PSP\cdot PsC-P\gg Cr\ \ddot{P}iP_{\mu}C\ddot{H}PsPeC\acute{I}P\ddot{e}PrC\acute{r}\ PSP^{\circ}$$

$$C_{\mu}P_{\mu}C\ddot{H}C, P\ddot{e}P\gg CH\ddot{P}SC-C\acute{I}C, CH\ddot{P}\ P\gg C\ddot{H}PrP\ddot{e}PSP\ddot{e}\ PSP_{\mu}PiP^{\circ}C''.$$

P'P°PiC-C,PSC-Cl'C,CH

P"PsCl'C,P°C,PSC-C... PrP°PSPëC... C%PsPrPs P·P°Cl'C,PsCl'CrPIP°PSPSClI PiPµP»Cñ
PIP°PiC-C,PSPëPj PSPµPjP°C". P"PsCl'P»C-PrP¶PµPSPSClI PSP° C,PIP°CñPëPSP°C... C%PsPrPs
CñPµPiCñPsPrCrPeC,PëPIPSpSc— C,PsPeCl'PëC±PSPsCl'C,C- C,P° PIPiP»PëPICr PSP°
CñPsP·PIPëC,PsPe PµPjP±CñC-PsPSP°/PïP»PsPrP° PiPµP»Cñ P°P±Ps P±PµPSP·PsC—P»Cr
PïPµCñPsPeCl'PëPrCr PsPeCñPµPjPs PSPµ PïCñPsPIPsPrPëP»Pë. P†Cl'PSCrCñC,CH
PsP±PjPµP¶PµPSC- PrP°PSC- P·P°Cl'C,PsCl'CrPIP°PSPSClI PsPeCñPµPjPs
PeP»C-PSPPrP°PjC-C†PëPSCr P°P±Ps P±PµPSP·PsC—P»Cr PïPµCñPsPeCl'PëPrCr
PIP°PiC-C,PSPëPj. P"°PSC- Cl'PiPsCl'C,PµCñPµP¶PµPSPSClI PïCñPsC,ClPiPsPj
PsP±PjPµP¶PµPSPsC— PeC-P»CHPePsCl'C,C- PIP°PiC-C,PSPsCl'C,PµPNë PïCñPë
P·P°Cl'C,PsCl'CrPIP°PSPSC- PïCñPµPïP°CñP°C,Cr Cr P† C,CñPëPjPµCl'C,CñC-
PIPeP°P·CrCñC,CH PSP° PIC-PrCl'CrC,PSC-Cl'C,CH PSPµPiP°C,PëPIPSpëC... PµC„PµPeC,C-PI
PeP»C-PSPPrP°PjC-C†PëPSCr PSP° PIP°PiC-C,PSC-Cl'C,CH P°P±Ps PSP° Cl'C,P°PS
P·PrPsCñPsPIBñ™ ClI PïP»PsPrP°/PSPsPIPsPSP°CñPsPrP¶PµPSPsPiPs.

P"PsCl'P»C-PrP¶PµPSPSClI CñPµPiCñPsPrCrPeC,PëPIPSpSc— C,PsPeCl'PëC±PSPsCl'C,C- PSP°
C,PIP°CñPëPSP°C... PïCñPë PïPµCñPsCñP°P»CHPSPsPjCr C,P° PïC-PrCëPeC-CñPSPsPjCr
P·P°Cl'C,PsCl'CrPIP°PSPSC- PeP»C-PSPPrP°PjC-C†PëPSCr PSPµ PIPëClIPIPëP»Pë PsP·PSP°Pe
PïPsCñCrCëPµPSPSClI C„PµCñC,PëP»CHPSPsCl'C,C- P°P±Ps CëPeC-PrP»PëPIPsPiPs
PIPiP»PëPICr PSP° PïP»C-Pr.

P'PµP·PïPµPeP° P·P°Cl'C,PsCl'CrPIP°PSPSClI PiPµP»Cñ P¶C-PSPeP°Pj PïCñPsC,ClPiPsPj
PIP°PiC-C,PSPsCl'C,C- PSPµ PICl'C,P°PSPsPIP»PµPSP°.

PÿPsPjCr Cr PïPµCñC-PsPr PIP°PiC-C,PSPsCl'C,C- P»C-PeP°Cñ PjPsP¶Pµ PïCñPëP·PSP°C±PëC,Pë
PïCñPµPiP°CñP°C, P»PëCëPµ C,PsPrC-, PePsP»Pë PïPµCñPµPrP±P°C±CrPIP°PSP°
PePsCñPëCl'C,CH PrP»ClI P¶C-PSPePë PïPµCñPµPIPëC%CrC" PïPsC,PµPSC†C-PNëPSPëPNë
CñPëP·PëPe PrP»ClI PrPëC,PëPSPë.

P"PsPrC¿PIP°PSPSClI PiCñC¿PrPrCñ

PñP»C-PSC-C±PSPëC... PrPsCl'P»C-PrP¶PµPSCñ P· PIPëPIC±PµPSPSClI PjC-Cl'C†PµPIPsPiPs
P·P°Cl'C,PsCl'CrPIP°PSPSClI PeP»C-PSPPrP°PjC-C†PëPSCr/P±PµPSP·PsC—P»Cr
PïPµCñPsPeCl'PëPrCr Cr PïPµCñC-PsPr PiPsPrCrPIP°PSPSClI PïCñCrPrPrCñ PSPµ
PïCñPsPIPsPrPëP»PsCl'CH. PµCñPë C†CHPsPjCr PIC-PrPsPjPs, C%Ps
C±PµCñPµP·CëPeC-CñPSP° P°PrCl'PsCñP±C†C-ClI
PeP»C-PSPPrP°PjC-C†PëPSCr/P±PµPSP·PsC—P»Cr PïPµCñPsPeCl'PëPrCr C" PSPëP·CHPePsCñ;
PSPµPIC-PrPsPjPs, C±Pë PµPeCl'PeCñPµC,CrC"C,CHCl'ClI PeP»C-PSPPrP°PjC-C†PëPS P°P±Ps
P±PµPSP·PsC—P»Cr PïPµCñPsPeCl'PëPr P· PïCñCrPrPSPëPj PjPsP»PsPePsPj PïCñPë
PjC-Cl'C†PµPIPsPjCr P·P°Cl'C,PsCl'CrPIP°PSPSC-.B PµCñPsC,Pµ PïPsPIC-PrPsPjP»ClIIP»PsCl'ClI
PïCñPs PSP°ClIIPSC-Cl'C,CH PeP»C-PSPPrP°PjC-C†PëPSCr Cr PïCñCrPrPSPsPjCr PjPsP»PsC†C-
PïC-Cl'P»ClI PïPµCñPsCñP°P»CHPSPsPiPs C- PïP°CñPµPSC,PµCñP°P»CHPSPsPiPs
P·P°Cl'C,PsCl'CrPIP°PSPSClI PïCñPµPïP°CñP°C,Cr.

PÿPsPjCr Cr PïPµCñC-PsPr PiPsPrCrPIP°PSPSClI PïCñCrPrPrCñ P»C-PeP°Cñ PjPsP¶Pµ
PïCñPëP·PSP°C±PëC,Pë PïCñPµPiP°CñP°C, P»PëCëPµ C,PsPrC-, PePsP»Pë
PïPµCñPµPrP±P°C±CrPIP°PSP° PePsCñPëCl'C,CH PrP»ClI PjP°C,PµCñC- PïPµCñPµPIPëC%CrC"
PïPsC,PµPSC†C-PNëPSPëPNë CñPëP·PëPe PrP»ClI PrPëC,PëPSPë.

P©PsP± CrPSPëPePSCrC,Pë PIPëPiP°PrPePsPIPsPiPs PïCñPsPePsPIC,CrPIP°PSPSClI PiPµP»Cñ
P"CrP°Pe PSPµPjPsPIP»ClIIPj PïCñPë PIPëPePsCñPëCl'C,P°PSPSC- PNëPsPiPs PjP°C,C-CñBñ™ Cñ

PiC-Pr C†P°CÍ P»P°PeC,P°C†C-C—, PiPµP»CH PSPµ CÍP»C-Pr PSP°PSPsCÍPëC,Pë PSP° PrC-P»CÍPSPeCí PiCḡCíPrPµPN.

P—PrP°C,PSC-CÍC,CH PIPiP»PëPIP°C,Pë PSP° C€PIPëPrPeC-CÍC,CH CḡPµP°PeC†C-C— PiCḡPë PePµCḡCíPIP°PSPSC- P°PIC,PsC,CḡP°PSCÍPiPsCḡC,PsPj P°P±Ps C-PSC€PëPjPë PjPµC...P°PSC-P·PjP°PjPë.

P°PscÍP»C-PrP¶PµPSCḡ P· PIPëPIC†PµPSPSCÍ C,P°PePsPiPs PIPiP»PëPICí PSPµ PiCḡPsPiPsPrPëP»PsCÍCH. P— PsPiP»CÍPrCí PSP° PiCḡPsC,,C-P»CH PiPsP±C-C†PSPëC... CḡPµP°PeC†C-PN PiCḡPµPiP°CḡP°C,Cí PSPµPiP°C,PëPIPSsPiPs PIPiP»PëPICí PSPµ PsC†C-PeCíC”C,CHCÍCÍ.

PŸPiPsCÍC-P± P·P°CÍC,PsCÍCíPIP°PSPSCÍ C,P° PrPsP·Pë.

PŸC-P»CHPePë PrP»CÍ P·PsPIPS-C€PSCḡPsPiPs P·P°CÍC,PsCÍCíPIP°PSPSCÍ.

P°PscḡPsCÍP»C- C,P° PrC-C,Pë PIC-PePsPj PIC-Pr 12 CḡPsPeC-PI.

P°CíP°Pe PSP°PSPsCÍCÍC,CH PsPrPëPS CḡP°P· PSP° PrPµPSCḡ CíPIPµC†PµCḡC- PSP° CíCḡP°P¶PµPSC- PrC-P»CÍPSPePë PiC-CÍP»CÍ CḡPµC,PµP»CHPSPsPiPs PsC†PëC%PµPSPSCÍ, PiCḡPsPjPëPIP°PSPSCÍ C€PeC-CḡPë PIPsPrPsCḡ C,P° PIPëCíCíC€CíPIP°PSPSCÍ. PİPeC%Ps PiPµP»CH PSPµ PIC,PëCḡP°C”C,CHCÍCÍ Cí C€PeC-CḡCí P»PµPiPePs, C†Pµ CÍPIC-PrC†PëC,CH PiCḡPs PSP°PrPjC-CḡPSCí PNPsPiPs PeC-P»CHPeC-CÍC,CH.

PµC-CÍP»CÍ PSP°PSPµCÍPµPSPSCÍ PiPµP»Cḡ CÍP»C-Pr PIPëPjPëC,Pë CḡCíPePë. PµP°C†C-C”PSC, PjPsP¶Pµ P·P°CÍC,PsCÍCíPIP°C,Pë P·PIPsP»PsP¶CíCḡC†PëPN P·P°CÍC-P± Cí CḡP°P·C- PSPµPsP±C...C-PrPSPsCÍC,C-.

Pj CḡP°P·C- PiPsCÍPIPë PSP°PrPjC-CḡPSPsC— CÍCíC...PsCÍC,C- P°P±Ps P·P»CíC%CíPIP°PSPSCÍ C€PeC-CḡPë CÍP»C-Pr P·PjPµPSC€PëC,Pë C†P°CÍC,PsC,Cí P·P°CÍC,PsCÍCíPIP°PSPSCÍ P°P±Ps C,PëPjC†P°CíPsPIPs PiCḡPëPiPëPSPëC,Pë P»C-PeCíPIP°PSPSCÍ. PµCḡPë P·P°CÍC,PsCÍCíPIP°PSPSC- P· C†P°CÍC,PsC,PsCḡ PjPµPSC€PsCḡ P·P°B 1 CḡP°P· PSP° PrPsP±Cí PµC,,PµPeC,PëPIPS-CÍC,CH P»C-PeCíPIP°PSPSCÍ PSPµ PrPsPIPµPrPµPSP°. P—P°CÍC,PsCÍPsPICíPIP°C,Pë PiPµP»CH PSPµ P±C-P»CHC€Pµ 1 CḡP°P·Cí PSP° PrPsP±Cí.

PµP°C†C-C”PSC,C-PI CÍP»C-Pr PiPsPiPµCḡPµPrPëC,Pë, C%Ps P·P±C-P»CHC€PµPSPSCÍ PeC-P»CHPePsCÍC,C- PSP°PSPµCÍPµPSPsPiPs PiPµP»Cḡ PSPµ P·P±C-P»CHC€CíC” PµC,,PµPeC,PëPIPS-CÍC,CHB P·P°CÍC,PsCÍCíPIP°PSPSCÍ PiCḡPµPiP°CḡP°C,Cí, P° P·P±C-P»CHC€CíC” CḡPëP·PëPe PiPsPrCḡP°P·PSPµPSPSCÍ C€PeC-CḡPë.

P°P»CÍ PiPsCÍPIPë C,PµCḡP°PiPµPIC,PëC†PSPsPiPs PµC,,PµPeC,Cí PjPsP¶Pµ P·PSP°PrPsP±PëC,PëCíCH PIC-Pr 2 PrPs 5 C,PëP¶PSC-PI P»C-PeCíPIP°PSPSCÍ. PḡP°PeCíPëPjP°P»CHPSPëPN PeCíCḡCí P»C-PeCíPIP°PSPSCÍ CÍPeP»P°PrP°C” 12 C,PëP¶PSC-PI.

P°C-C,Pë.

PkPp P·P°CΓC,PsCΓPsPICrCThC,Ch PrC-C,CΠPj PIC-PePsPj PrPs 12 CThPsPeC-PI.

PμPμCΠPμPΓPsP·CζPIP°PSPSCΠ.

$\text{P}\acute{\text{K}}\text{P}^{\circ}\text{P}\text{rPjC}-\text{C}\bar{\text{H}}\text{PSP}\mu\text{PjC}-\text{C}\bar{\text{I}}\text{C}\dagger\text{P}\mu\text{PIP}\mu\text{PSP}^{\circ}\text{PSP}\mu\text{C}\bar{\text{I}}\text{P}\mu\text{PSPSC}\bar{\text{I}}\bar{\text{I}}$
 $\text{PeP}\gg\text{C}-\text{PSP}\text{rP}^{\circ}\text{PjC}-\text{C}\dagger\text{P}\bar{\text{e}}\text{PSC}\bar{\text{r}}/\text{P}\pm\text{P}\mu\text{PSP}\cdot\text{PsC}-\text{P}\gg\text{C}\bar{\text{r}}\text{P}\bar{\text{i}}\text{P}\mu\text{C}\bar{\text{H}}\text{PsPeC}\bar{\text{I}}\text{P}\bar{\text{e}}\text{PrC}\bar{\text{r}}\text{PjPsP}\P\text{P}\mu$
 $\text{C}\bar{\text{I}}\text{P}\bar{\text{i}}\text{C}\bar{\text{H}}\text{P}\bar{\text{e}}\text{C}\dagger\text{P}\bar{\text{e}}\text{PSP}\bar{\text{e}}\text{C},\text{P}\bar{\text{e}}\text{C},\text{C}\bar{\text{I}}\text{P}\P\text{PeP}\mu\text{P}\bar{\text{i}}\text{PsPrC}\bar{\text{H}}\text{P}^{\circ}\text{P}\cdot\text{PSP}\mu\text{PSPSC}\bar{\text{I}}\bar{\text{I}}\text{C}\bar{\text{e}}\text{PeC}-\text{C}\bar{\text{H}}\text{P}\bar{\text{e}}.\text{PJ}\text{C},\text{P}^{\circ}\text{PePsPjC}\bar{\text{r}}$
 $\text{C}\bar{\text{H}}\text{P}^{\circ}\text{P}\cdot\text{C}-\text{cP}\gg\text{C}-\text{Pr}\text{P}\bar{\text{i}}\text{C}\bar{\text{H}}\text{P}\bar{\text{e}}\text{P}\bar{\text{i}}\text{P}\bar{\text{e}}\text{PSP}\bar{\text{e}}\text{C},\text{P}\bar{\text{e}}\text{P}\gg\text{C}-\text{PeC}\bar{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\bar{\text{I}}\bar{\text{I}}\text{C},\text{P}^{\circ}\text{P}\cdot\text{P}^{\circ}\text{C}\dagger\text{P}\mu\text{PeP}^{\circ}\text{C},\text{P}\bar{\text{e}}$
 $\text{P}\cdot\text{P}^{\circ}\text{PiPsC}\bar{\text{H}}\text{PIP}^{\circ}\text{PSPSC}\bar{\text{I}}\bar{\text{I}}\text{P}\bar{\text{i}}\text{PsPrC}\bar{\text{H}}\text{P}^{\circ}\text{P}\cdot\text{PSP}\mu\text{PSC}\bar{\text{H}}.$

$\text{P}\mu\text{C}\overline{\text{H}}\text{P}\overline{\text{e}} \text{ PjC-Cl}\overline{\text{C}}\dagger\text{P}\mu\text{PIPsPjCr} \text{ P}\cdot\text{P}^{\circ}\text{Cl}\overline{\text{C}}, \text{PsCl}\overline{\text{C}}\text{rPIP}^{\circ}\text{PSPSC-} \text{P}\pm\text{P}\mu\text{PSP}\cdot\text{PsC}-\text{P}\rangle\text{Cr}$
 $\text{PiP}\mu\text{C}\overline{\text{H}}\text{PsPeCl}\overline{\text{P}}\overline{\text{e}}\text{Pr} \text{ P}\cdot\text{P}^{\circ}\text{PiP}^{\circ}\text{P}\rangle\text{PsPj} \text{ PSP}\mu \text{ P}^{\circ}\text{P}\pm\text{Cl}\overline{\text{P}}\text{PsC}\overline{\text{H}}\text{P}\pm\text{Cr}\overline{\text{C}}''\text{C}, \text{CH}\overline{\text{C}}\overline{\text{C}}\overline{\text{C}}\overline{\text{C}} \text{ Cr}$
 $\text{PeC-P}\rangle\text{CH}\overline{\text{P}}\text{PePsCl}\overline{\text{C}}, \text{C-}, \text{PrPsCl}\overline{\text{C}}, \text{P}^{\circ}\text{C}, \text{PSC-PM}\overline{\text{e}} \text{ PrP}\rangle\text{C}\overline{\text{C}} \text{ Cl}\overline{\text{P}}\overline{\text{C}}\overline{\text{H}}\text{P}\overline{\text{e}}\text{C}\dagger\text{P}\overline{\text{e}}\text{PSP}\mu\text{PSPSC}\overline{\text{C}}\overline{\text{C}}$
 $\text{Cl}\overline{\text{P}}\overline{\text{e}}\text{Cl}\overline{\text{C}}, \text{P}\mu\text{PjPSPsPiPs} \text{ P}\mu\text{C}, \text{P}\mu\text{PeC}, \text{Cr}.$

PkP°PrPjC-CĤPSPμ PjC-CÍC†PμPIPμ PSP°PSPμCÍPμPSPSCĬ PeP»C-PSPTrP°PjC-C†PēPSCř
PjPsP¶Pμ CÍPīCĤPēC‡PēPSPēC,Pē PNēPsPiPs P°P±CÍPsCĤP±C†C-CĤ Cř PeC-P»CHPePsCÍC,C-,
C%Ps PrPsCÍC,P°C,PSCĬ PrP»CĬ PIPēPSPēPePSPμPSPSCĬ CÍPēCÍC,PμPjPSPsPiPs
PuC,,PuPeC,Cř.

Pj C₇H₇P^o·C- PIPëPiP^oPrPePsPIPsPiPs P·P^oCl^oC,PsCl^oCrPIP^oPSPSCl^o PiC₇H₇P_μPiP^oC₇H₇P^oC,Cr PIPSCr^oC,C₇H₇C-CëPSC_HPs PjPsP_¶CrC,C_H Cl^oPiPsCl^oC,P_μC₇H₇C-PiP^oC,PëCl^oC_¶ PiPsP±C-C_‡PSC-C₇H₇P_μP^oPeC_‡C- P· P±PsPeCr CëP»CrPSPePsPIPs-PePëCëPePsPIPsPiPs C,C₇H₇P^oPeC,Cr, PiPsPrC-P±PSC- PrPs C,PëC..., C_‰Ps Cl^oPiPsCl^oC,P_μC₇H₇C-PiP^oC_HC,C_HCl^oC_¶ PiC₇H₇Pë Cl^oPëCl^oC,P_μPjPSPsPjCr P·P^oCl^oC,PsCl^oCrPIP^oPSPSC- PeP»C-PSPrP^oPjC-C_‡PëPSCr^o.

P''P»CΠ P·PjPμPSCεPμPSPSCΠ CΓPëPjPiC,PsPjC-PI PiPsPrCḡP°P·PSPμPSPSCΠ CΓ CḡP°P·C-
PSP°PrPjC-CḡPSPSPiPs PjC-CΓC†PμPiPsPiPs PSP°PSPμCΓPμPSPSCΠ CΓP»C-Pr PIP¶PëC,Pë
PIC-PrPiPsPIC-PrPSPëC... CΓPëPjPiC,PsPjP°C,PëC‡PSPëC... P·P°C...PsPrC-PI. PJ CḡP°P·C-
PIPëPiP°PrPePsPiPs P·P°CΓC,PsCΓCΓPIP°PSPSCΠ PIPSCΓC,CḡC-CεPSCḡPs CΓP»C-Pr
PSP°PrP°C,Pë PIC-PrPiPsPIC-PrPSCr PeP»C-PSC-C‡PSCr PrPsPiPsPiPsPiCΓ.

$$P_{\psi}P_{\sigma}P_{\pm}C-C\neq PSC-C\bar{H}P_{\mu}P^{\circ}P_{\epsilon}C\neq C-C-.$$

$\text{P}\mu\text{PSP}\pm\text{C}-\text{C}\ddagger\text{PSC}-\text{C}\ddagger\text{P}\mu\text{P}^\circ\text{PeC}\ddagger\text{C}-\text{C}-\text{P}\ddot{\text{I}}\text{PsPrP}^\circ\text{PSPs PI CrP}\cdot\text{P}^\circ\text{PiP}^\circ\text{P}\rangle\text{CH}\ddot{\text{B}}\text{PSP}\mu\text{PSPsPjCr}$
 $\text{PIP}\ddot{\text{e}}\text{PiP}\rangle\text{C}\ddot{\text{I}}\text{PrC}-\text{PiC}\ddot{\text{H}}\text{P}\ddot{\text{e}}\text{P}\cdot\text{P}^\circ\text{C}\ddot{\text{I}}\text{C},\text{PsC}\ddot{\text{I}}\text{C}\ddot{\text{I}}\text{PIP}^\circ\text{PSPSC}-\text{PePsPjP}\pm\text{C}-\text{PSP}^\circ\text{C}\ddagger\text{C}-\text{C}-\text{C},\text{P}^\circ\text{B PiC}\ddot{\text{H}}\text{P}\ddot{\text{e}}$
 $\text{PsPeC}\ddot{\text{H}}\text{P}\mu\text{PjPsPjCr P}\cdot\text{P}^\circ\text{C}\ddot{\text{I}}\text{C},\text{PsC}\ddot{\text{I}}\text{C}\ddot{\text{I}}\text{PIP}^\circ\text{PSPSC}-\text{PrC}-\text{C}\ddot{\text{H}}\text{C}\ddagger\text{P}\ddot{\text{e}}\text{C}\dots\text{C}\ddot{\text{H}}\text{P}\mu\text{C}\ddagger\text{PsPIP}\ddot{\text{e}}\text{PS}$
 $\text{PiC}\ddot{\text{H}}\text{P}\mu\text{PiP}^\circ\text{C}\ddot{\text{H}}\text{P}^\circ\text{C},\text{Cr B}\ddot{\text{H}}^\circ\text{P}\pm\text{P}\mu\text{PSP}\cdot\text{PsC}-\text{P}\rangle\text{Cr PiP}\mu\text{C}\ddot{\text{H}}\text{PsPeC}\ddot{\text{I}}\text{P}\ddot{\text{e}}\text{PrCr C},\text{P}^\circ$
 $\text{PeP}\rangle\text{C}-\text{PSPPrP}^\circ\text{PjC}-\text{C}\ddagger\text{P}\ddot{\text{e}}\text{PSCr}. \text{P}\mu\text{PsP}\pm\text{C}-\text{C}\ddagger\text{PSC}-\text{C}\ddot{\text{H}}\text{P}\mu\text{P}^\circ\text{PeC}\ddagger\text{C}-\text{C}-\text{PiC}\ddot{\text{H}}\text{P}\mu\text{PrC}\ddot{\text{I}}\text{C},\text{P}^\circ\text{PIP}\rangle\text{P}\mu\text{PSPs}$
 $\text{P}\cdot\text{PiC}-\text{PrPSPs P}\cdot\text{PeP}\rangle\text{P}^\circ\text{C}\ddot{\text{I}}\text{P}\ddot{\text{e}}\text{C},\text{C}-\text{PeP}^\circ\text{C}\ddagger\text{C}-\text{C}^\circ\text{C}\ddot{\text{H}}\text{MedDRA C},\text{P}^\circ\text{P}\cdot\text{P}^\circ\text{C}\ddagger\text{P}^\circ\text{C}\ddot{\text{I}}\text{C},\text{PsC},\text{PsC}\ddot{\text{H}}(\text{PrP}\ddot{\text{e}}\text{PI}.$
 $\text{C},\text{P}^\circ\text{P}\pm\text{P}\rangle\text{P}\ddot{\text{e}}\text{C}\ddagger\text{C}\ddot{\text{H}}1). \text{P}\S\text{P}^\circ\text{C}\ddot{\text{I}}\text{C},\text{PsC},\text{Cr PIP}\ddot{\text{e}}\text{P}\cdot\text{PSP}^\circ\text{C}\ddagger\text{P}\mu\text{PSPs C},\text{P}^\circ\text{PeP}\ddot{\text{e}}\text{Pj C}\ddagger\text{P}\ddot{\text{e}}\text{PSPsPj: PrCrP}\P\text{P}\mu$
 $\text{C}\ddagger\text{P}^\circ\text{C}\ddot{\text{I}}\text{C},\text{Ps}(\geq 1/10); \text{C}\ddagger\text{P}^\circ\text{C}\ddot{\text{I}}\text{C},\text{Ps}(\geq 1/100 \text{ C},\text{P}^\circ < 1/10); \text{PSP}\mu\text{C}\ddagger\text{P}^\circ\text{C}\ddot{\text{I}}\text{C},\text{Ps}(\geq 1/1000 \text{ C},\text{P}^\circ <$
 $1/100); \text{C}\ddot{\text{H}}\text{C}-\text{PrPePs}(\geq 1/10000 \text{ C},\text{P}^\circ < 1/1000) \text{ C},\text{P}^\circ \text{PSP}\mu\text{PIC}-\text{PrPsPjPs}(\text{PSP}\mu \text{PjPsP}\P\text{PSP}^\circ$
 $\text{PIP}\ddot{\text{e}}\text{P}\cdot\text{PSP}^\circ\text{C}\ddagger\text{P}\ddot{\text{e}}\text{C},\text{P}\ddot{\text{e}}\text{P}\cdot\text{PSP}^\circ\text{C}\ddot{\text{I}}\text{PIPSP}\ddot{\text{e}}\text{C}\dots\text{PrP}^\circ\text{PSP}\ddot{\text{e}}\text{C}\dots).$

$$\text{Py}^{\circ}\text{P}^{\circ}\text{P}\pm\text{P}\gg\text{P}\ddot{\text{C}}\text{t}^{\circ}\text{C}\text{C}\text{I} \quad 1. \quad \text{P}_{\text{II}}\text{P}_\text{S}\text{P}\pm\text{C}-\text{C}\ddot{\text{P}}\text{S}\text{C}-\text{C}\ddot{\text{H}}\text{P}_{\text{II}}\text{P}^{\circ}\text{P}\text{e}\text{C}^{\circ}\text{t}^{\circ}\text{C}-\text{C}-\text{P}\ddot{\text{C}}\text{H}\text{P}\ddot{\text{C}} \quad \text{P}^{\circ}\text{P}^{\circ}\text{C}^{\circ}\text{t}^{\circ}\text{C}, \text{P}_\text{S}\text{C}^{\circ}\text{t}^{\circ}\text{C}^{\circ}\text{r}^{\circ}\text{P}\text{I}\text{P}^{\circ}\text{P}\text{S}\text{P}\text{S}\text{C}-$$

PrC-CHC#PëC... CĤPμC#PsPIPëPS PïCĤPμPïP°CĤP°C,Cr BĤ“ P±PμPSP·PsC—P»Cr
PïPμCĤPμPsPeCĤPëPrCr C,P° PeP»C-PSPrP°PjC-C†PëPSCr.

РлР»Р°Р°СГ СГРëСГС,РμРјРë РsСĤРІР°РSC-PI Р·Р° MedDRA	Р”СГР¶Рμ С±Р°СГС,Ps	Р§Р°СГС,Ps	РќРμC±Р°СГС,Ps	РќРμPIC-PrPsPjPs™
РμPsСĤСГСĤРμPSPSCĤ Р· Р±PsPeCf C-РјСГPSPSPsC— СГРëСГС,РμРјРë				PhP»PμCĤPIC-C#PSC- CĤPμP°PeC†C-C—, PIPeP»CHC#P°CHC#Pë PïC-PïPμCĤC#CfC,P»PëPIC-C†C,CH C,P° P°PSP°C,C-P»P°PeC†C-CH
РμPsСĤСГСĤРμPSPSCĤ Р· Р±PsPeCf PSPμCĤPIPsPISc— СГРëСГС,РμРјРë*			РμP°CĤPμC†C,РμP·C-СĤ	
Р”Р°СГС,СĤPsC-PSC,РμC†C,РëPSP°P»CHPSC- PïPsСĤСГСĤРμPSPSCĤ				РлPsP»C-C, (PIPeP»CHC#P°CHC#Pë PïC†PμPIPrPsPjPμPjP±CĤP°PSPsP·PSPëPμ PePsP»C-C,), PïPμPjPsCĤP°PïC-C†PSP° PrC-P°CĤPμCĤ, PrC-P°CĤPμCĤ, P±C-P»CH Cr P¶PëPIPsC,C-
РμPsСĤСГСĤРμPSPSCĤ Р· Р±PsPeCf CĤPeC-СĤPë C,P° PïC-PrCĤPeC-СĤPSPsC— PeP»C-C,PePsPIPëPSPë*	Р·СĤPëC,РμРјР°, Р·Р·CfC%oCfPIP°PSPSCĤ, СГСГС...C-C†C,CH (PïPsP»PsPIPSPëPj C†PëPSPsPj PïPsPIC-PrPsPjP»CĤP»PsC†CH CĤPeB PïCĤPs CĤPIPëC%oP° PïPsPjC-CĤPSPsC— C-PSC,РμPSC†PëPIPsC†C,C-)	Р’C-PrC#CfC,C,CĤ PïPμC†C-PSPSCĤ	РлPsPSC,P°PeC,PSPëPμ PrPμCĤPjP°C,PëC,, СГРІРμCĤP±C-P¶, РμCĤPëC,РμPjP°C,PsP·-PSPëPμ PIPëC†PëPï, Р·Р°PïPsC†C,СĤPμPSPSCĤ Р°PePSPμ	РлCĤPsPïPëPïBĤ™ СĤPSPëP°
Р—Р°РІР°Р»CHPSC- PïPsСĤСГСĤРμPSPSCĤ C,P° PïPsСĤСГСĤРμPSPSCĤ Pï PjC-C†C†C- PSP°PSPμC†PμPSPSCĤ				Р PμP°PeC†C-C— Pï PjC-C†C†C- PSP°PSPμC†PμPSPSCĤ, PIPeP»CHC#P°CHC#Pë Р·PSPμP±P°CĤPIP»PμPSPSCĤ

*Р’ РјC-СГС†C- PSP°PSPμC†PμPSPSCĤ.

**РќР° РsC†PSPsPIC- PrP°PSPëC... PïPsC†C,PjP°CĤPePμC,РëPSPiPsPIPëC...
СГРІPïPsC†C,РμCĤPμP¶PμPSCĤ. PhC†PeC-P»CHPePë C†C- СГРІPïPsC†C,РμCĤPμP¶PμPSPSCĤ
PsC...PsPïP»CHCHC,CH PïCĤСГРІPë PSP°СГРІPμP»PμPSPSCĤ PSPμPIC-PrPsPjPsC—
C†PëC†PμP»CHPSPsC†C,C- C,P° PIPeP»CHC#P°CHC,CH Р·PjC-CĤP°PSC- C,,P°PeC,PsCĤPë,
PSPμPjPsP¶P»PëPIPs PrPsC†C,PsPIC-CĤPSPs PsC†C-PSPëC,Pë C—C... C±P°СГС,PsC,Cr, PïCĤPë
C†CHPsPjCr СГРëСГС,РμPjPSC- CĤPμP°PeC†C-C— Р·СГС†C,СĤC-C±P°P»PëC†CH CĤC-PrPePs.

РќР° PrPsPrP°C,PsPe PrPs PïPsP±C-C±PSPëC... CĤPμP°PeC†C-Pμ, СĤPeC- PSP°PIPμPrPμPSPs Cr
C,P°P±P»PëC†C- PIPëC%oPμ, Cr PïPsP»PsPIPSPsPjCr PeP»C-PSC-C±PSPsPjCr
PrPsC†P»C-PrP¶PμPSPSC- C-P· Р·Р°СГС,PsC†C†PIP°PSPSCĤPj PjC-СГС†PμPIPs
PeP»C-PSPrP°PjC-C†PëPSCr 1%/P±PμPSP·PsC—P»Cr PïPμCĤPμPsPeCĤPëPrCr 3 %, PïPμP»CH,
C±P°СГС,Ps СГРІPïPsC†C,РμCĤC-PiP°P»PëC†CH CĤPμP°PeC†C-C—
C,,PsC,PsC†PμPSC†PëP±C-P»C-P·Р°С†C-C— Pï PjC-СГС†C- PSP°PSPμC†PμPSPSCĤ.

РлC-СГС†PμPIP° PïPμCĤPμPSPsC†PëPjC-СГС,CH

Р—Р° PrP°PSPëPjPë 5 PeP»C-PSC-C±PSPëC... PrPsC†P»C-PrP¶PμPSCĤ C-P·
Р·Р°СГС,PsC†C†PIP°PSPSCĤPj PïPμP»CH Р”СГР°Р° PIC†C-C... PïP°C†C-C”PSC,C-PI P±C†P»Ps
PeP»P°СГРëC,,C-PePsPIP°PSPs Р·Р° СГС,C†PïPμPSPμPj РμCĤPëC,РμPjPë,
Р·P»C†C%oC†PIP°PSPSCĤ, PIC-PrC#C†C,C,CĤ PïPμC†C-PSPSCĤ C,P° СГС†C...PsC†C,C-
Р·PïC-PrPSPs Р· C,P°PePsCH CĤPeP°P»PsCH: 0 BĤ“ PIC-PrC†C†C,PSC- PïCĤPsCĤPIPë, 1 BĤ“
СГРІP»P°P±PePëPμ, 2 BĤ“ PïPsPjC-CĤPSPëPμ, 3 BĤ“ C,CĤP¶PePëPμ СГС,C†PïC-PSCĤ.
Р’C-PrC†PsC,PsPe PïP°С†C-C”PSC,C-PI, СĤPeC- PjP°P»Pë СГРëPjPïC,PsPjPë PrPs C,P°
PïCĤPsC,CĤPïPsPj P»C-PeC†PIP°PSPSCĤ, PïCĤPμPrC†C,P°PIP»PμPSPs Cr C,P°P±P»PëC†C- 2.

РŸР°Р±P»PëC†CĤ 2. РлC-СГС†PμPIP° PïPμCĤPμPSPsC†PëPjC-СГС,CH PïPμP»CH Р”СГР°Р°
PïCĤPë Р·Р°СГС,PsC†C†PIP°PSPSC- PμPsPïPs PsPrPëPS CĤP°P· PSP° PrPsP±C† Cr

PĪP°C†C-C”PSC,C-PI (n=397), CĪPeC- P±CĤP°P»Pë CŕC‡P°CĴC,CH Cŕ 3 C,,P°P·C-
PeP»C-PSC-C‡PSPsPiPs PrPsCĴP»C-PrP¶PµPSPSCĪ.

PµPsP±C-C‡PSC- CĤPµP°PeC†C-C—	P”Ps P»C-PeCŕPIP°PSPSCĪ			PµCĤPsC,CĪPiPsPj P»C-PeCŕPIP°PSPSCĪ		
	PŸP»P°P±PePëPNë CĴC,CŕPiC-PSCH	PµPsPjC-CĤPSPëPNë CĴC,CŕPiC-PSCH	PŸCĪP¶PePëPNë CĴC,CŕPiC-PSCH	PŸP»P°P±PePëPNë CĴC,CŕPiC-PSCH	PµPsPjC-CĤPSPëPNë CĴC,CŕPiC-PSCH	PŸCĪP¶PePëPNë CĴC,CŕPiC-PSCH
P·CĤPëC,PµPjP°	28%	3%	0	26%	5%	0
P—P»CŕC%oCŕPIP°PSPSCĪ	6%	<1%	0	17%	2%	0
P’C-PrC‡CŕC,C,CĪ PĪPµC‡C-PSPSCĪ	3%	<1%	0	5%	<1%	0
PŸCŕC...C-CĴC,CH	6%	<1%	0	15%	1%	0

PŸPµCĤPjC-PS PĴCĤPëPrP°C,PSPsCĴC,C-.

1,5 CĤPsPePë.

PŸPµCĤPjC-PS PĴCĤPëPrP°C,PSPsCĴC,C- PĴC-CĴP»CĪ PĪPµCĤC€PsPiPs PIC-PrPeCĤPëC,C,CĪ
C,CŕP±Pë BĤ“ 2 PjC-CĴCĪC†C-.

PjPjPsPIPë P·P±PµCĤC-PiP°PSPSCĪ.

P—P±PµCĤC-PiP°C,Pë PI PSPµPrPsCĴC,CŕPiPSPsPjCŕ PrP»CĪ PrC-C,PµPNë PjC-CĴC†C-.
P—P±PµCĤC-PiP°C,Pë PI C...PsP»PsPrPëP»CHPSPëPeCŕ (2BĤ“8 °PŸ). PķPµ
P·P°PjPsCĤPsP¶CŕPIP°C,Pë.

PjPjPsPIPë P·P±PµCĤC-PiP°PSPSCĪ PĴC-CĴP»CĪ PĪPµCĤC€PsPiPs PIC-PrPeCĤPëC,C,CĪ
C,CŕP±Pë.

P—P±PµCĤC-PiP°C,Pë PI PSPµPrPsCĴC,CŕPiPSPsPjCŕ PrP»CĪ PrC-C,PµPNë PjC-CĴC†C- PĴCĤPë
C,PµPjPĪPµCĤP°C,CŕCĤC- PSPµ PIPëC%oPµ 25 B°PŸ.

PjPĪP°PePsPIPëP°.

PµPs 15 Pi P°P±Ps PĪPs 25 Pi, P°P±Ps PĪPs 30 Pi PI C,CŕP±C-, PĪPs 1 C,CŕP±C- PI
PeP°CĤC,PsPSPSC-PNë PePsCĤPsP±C†C-.

PљP°C,PµPiPsCĤC-CĪ PIC-PrPĴCŕCĴPeCŕ. P’PµP·B CĤPµC†PµPĴC,P°.

P’PëCĤPsP±PSPëPe.

P“P»P°PeCĴPs PķPĪPµCĤPµPNëC€PSCĴ P®Pљ P»C-PjC-C,PµPr, P’PµP»PëPeP° P’CĤPëC,P°PSC-CĪ.

Glaxo Operations UK Limited, United Kingdom.

PљC-CĴC†PµP·PSP°C...PsPrP¶PµPSPSCĪ PIPëCĤPsP±PSPëPeP° C,P° P°PrCĤPµCĴP°

PjC-CfC†Cf PïCfPsPIP°PrP¶PµPSPSCf PNºPsPiPs PrC-CfP»CHbPSPsCfC,C-.

P“P»P°PeCfPs PhPiPµCfPµPNºC€PSCf P®Pъ P>C-PjC-C,PµPr, PΓP°CfPjC-Cf P PsCrPr,
P’P°CfPSP°CfPr PъP°CfC,P», DL12 8DT, P’PµP»PëPeP° P’CfPëC,P°PSC-Cf.

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