

P_αP°C_βP_jP°P_ePsC, P_μC_βP°P_iP_μPIC, P_eC_±PSP° P_iC_βC_rP_iP°. P—P°C_rP_sP_±P_e, C_%Ps P_iP_iP°P_eP_iP°C_βC, C_H PSP° C_rP_μC_βC_rP_μP_iP_s—C_rC_rP_rP_ePSPSC_r C_rP_eC_rC, P_μP_jC_r.

$\text{P}_{\mu}\text{P}_{\mu}\text{C}_{\text{H}}\text{P}_{\text{e}}\text{PSP}_{\text{r}}\text{P}_{\text{s}}\text{P}_{\text{i}}\text{C}_{\text{H}}\text{P}_{\text{e}}\text{P} \gg \text{P}_{\mu}\text{C}_{\text{r}}, \text{P}_{\mu}\text{P}_{\text{e}}\text{C}_{\text{r}}, \text{P}_{\text{e}}\text{PIPSP}_{\text{s}} \text{P} \cdot \text{PSP}_{\text{e}}\text{P}_{\text{r}}\text{C}_{\text{r}}\text{C}'' \text{P}^{\circ}\text{C}_{\text{H}}\text{C}_{\text{r}}, \text{P}_{\mu}\text{C}_{\text{H}}\text{C}_{\text{r}}\text{P}^{\circ}\text{P} \gg \text{CH}_{\text{H}}\text{PSP}_{\text{e}}\text{P}_{\text{N}_{\text{e}}}$
 $\text{C}_{\text{r}}, \text{P}_{\text{e}}\text{C}_{\text{r}}\text{P}_{\text{e}} \text{P}_{\text{i}}\text{C}_{\text{H}}\text{P}_{\text{e}} \text{P}_{\text{i}}\text{C}_{\text{r}}\text{C}_{\text{r}}\text{C} \dots \text{C}_{\text{r}}\text{C}_{\text{r}}, \text{C}_{\text{r}}\text{P}_{\text{i}}\text{P}_{\mu}\text{PSC}_{\text{H}}\text{C}_{\text{r}} \dots \text{P}^{\circ}\text{C}_{\text{H}}\text{C}_{\text{r}}, \text{P}_{\mu}\text{C}_{\text{H}}\text{C}_{\text{r}}\text{P}^{\circ}\text{P} \gg \text{CH}_{\text{H}}\text{PSP}_{\text{s}}\text{C} -$

PiC-PiPμCḡC,PμPSP·C-C—: P»PμPiPePsPjCř, PīPsPjC-CḡPSPsPjCř C,P° C,CḡP¶¶PePsPjCř;
P·PSPëP¶PμPSPSCḡ CḡPëCḡC,PsP»C-C‡PSPsPiPs C,P° PrC-P°CḡC,PsP»C-C‡PSPsPiPs
P°CḡC,PμCḡC-P°P»CḤPSPsPiPs C,PëCḡPeCř CḡPīPsCḡC,PμCḡC-PiP°C”C,CḤCḡCḡ CḡPe Cř
PīPsP»PsP¶PμPSPSC- PīP°C†C-C”PSC,P° P»PμP¶P°C‡Pë, C,P°Pe C- Cř PīPsP»PsP¶PμPSPSC-
CḡC,PsCḡC‡Pë.

PμPμCḡPëPSPrPsPīCḡPëP» P·PjPμPSC€CřC” PsPīC-Cḡ PīPμCḡPëC,,PμCḡPëC‡PSPëC...
CḡCřPrPëPS, C%Ps PīCḡPëP·PIPsPrPëC,CḤ P·PSPëP¶PμPSPSCḡ P°CḡC,PμCḡC-P°P»CḤPSPsPiPs
C,PëCḡPeCř. P’PSP°CḡP»C-PrPsPe C†CḤPsPiPs P·P±C-P»CḤC€CřC”C,CḤCḡCḡ
PīPμCḡPëC,,PμCḡPëC‡PSPëPμ PeCḡPsPIPsC,C-Pe P±PμP· PIPīP»PëPICř PSP° C‡P°CḡC,PsC,Cř
CḡPμCḡC†PμPIPëC... CḡPePsCḡPsC‡PμPSCḡ.

PīPe PīCḡP°PIPëP»Ps, P·P±C-P»CḤC€CřC”C,CḤCḡCḡ C- PSPëCḡPePsPIPëPμ
PeCḡPsPIPsC,C-Pe, C,PsPrC- CḡPe C€PIPëPrPeC-CḡC,CḤ PeP»CřP±PsC‡PePsPIPsC—
C,,C-P»CḤC,CḡP°C†C-C— (PëPμP) P·P°P·PIPëC‡P°Pμ PSPμ P·PjC-PSCḡC”C,CḤCḡCḡ.

PμP°PeCḡPëPjP°P»CḤPSPëPμ P°PSC,PëPiC-PiPμCḡC,PμPSP·PëPIPSPëPμ PμC,,PμPeC,
CḡPsP·PIPëPIP°C”C,CḤCḡCḡ C‡PμCḡPμP· 4bḡ“6 PiPsPrPëPS PīC-CḡP»Cḡ
PsPrPSPsPeCḡP°C,PSPsPiPs PīCḡPëPμPsPjCř C,P° P·P±PμCḡC-PiP°C”C,CḤCḡCḡ
C%PsPSP°PμPjPμPSC€Pμ 24 PiPsPrPëPSPë: CḡPīC-PIPIC-PrPSPsC€PμPSPSCḡ Pŷ/P
(PμC,,PμPeC,PëPIPSC-CḡC,CḤ PīPμCḡPμPr PīCḡPëPμPsPjPsPj PSP°CḡC,CřPīPSPsC—
PrPsP·Pë/PjP°PeCḡPëPjP°P»CḤPSP° PμC,,PμPeC,PëPIPSC-CḡC,CḤ) PīPμCḡPëPSPrPsPīCḡPëP»Cř
CḡC,P°PSPsPIPëC,CḤ 87bḡ“100 %.

PḡCḡC,PμCḡC-P°P»CḤPSPëPμ C,PëCḡPe P·PSPëP¶CřC”C,CḤCḡCḡ C€PIPëPrPePs. Pj
PīP°C†C-C”PSC,C-PI, CḡPeC- PIC-PrPīPsPIC-P»Pë PSP° P»C-PeCřPIP°PSPSCḡ,
PSPsCḡPjP°P»C-P·P°C†C-Cḡ P°CḡC,PμCḡC-P°P»CḤPSPsPiPs C,PëCḡPeCř
PIC-PrP±CřPIP°C”C,CḤCḡCḡ PīCḡPsC,CḡPiPsPj PjC-CḡCḡC†Cḡ C,P°
P·P±PμCḡC-PiP°C”C,CḤCḡCḡ P±PμP· PIPëPSPëPePSPμPSPSCḡ C,P°C...C-C,,C-P»P°PeCḡC-C—.

Pj CḡP°P·C- PīCḡPëPīPëPSPμPSPSCḡ P·P°CḡC,PsCḡCřPIP°PSPSCḡ PīPμCḡPëPSPrPsPīCḡPëP»Cř
PμC,,PμPeC,Cř PIC-PrPjC-PSPë PSPμ PIPëPSPëPeP°C”.

PμPμCḡPëPSPrPsPīCḡPëP» P·PjPμPSC€CřC” PiC-PiPμCḡC,CḡPsC,,C-Cḡ P»C-PIPsPiPs
C€P»CřPSPsC‡PeP°.

PμP»C-PSC-C‡PSC- PrPsCḡP»C-PrP¶PμPSPSCḡ PrPsPIPμP»Pë, C%Ps PīPμCḡPëPSPrPsPīCḡPëP»
PjP°C” CḡCřPrPëPSPsCḡPsP·C€PëCḡCḡPIP°P»CḤPSC- PIP»P°CḡC,PëPIPsCḡC,C-. P’C-PS
PīPsPeCḡP°C%CřC” PμP»P°CḡC,PëC‡PSC-CḡC,CḤ PIPμP»PëPePëC... P°CḡC,PμCḡC-Pμ C,P°
P·PjPμPSC€CřC” CḡPīC-PIPIC-PrPSPsC€PμPSPSCḡ C,PsPIC%PëPSPë CḡC,C-PSPëPë PrPs
PīCḡPsCḡPIC-C,Cř CḡCřPrPëPSPë Cř PjP°P»PëC... P°CḡC,PμCḡC-Pμ.

P—P°PīPsP±C-PiP°PSPSCḡ CḡPμCḡC†PμPIPs-CḡCřPrPëPSPSPëPj CřCḡPeP»P°PrPSPμPSPSCḡPj
Cř PīP°C†C-C”PSC,C-PI P· PrPsPeCřPjPμPSC,PsPIP°PSPsCḡ CḡC,P°P±C-P»CḤPSPsCḡ
C-C€PμPjC-C‡PSPsCḡ C...PIPsCḡPsP±PsCḡ CḡPμCḡC†Cḡ (P†PḡPŷ)

EUROPA bḡ“ C†Pμ PjC-P¶PSP°CḡPsPrPSPμ PjCřP»CḤC,PëC†PμPSC,CḡPsPIPμ
CḡP°PSPrPsPjC-P·PsPIP°PSPμ PīPsPrPIC-PμPSPs CḡP»C-PiPμ
PīP»P°C†PμP±PsPePsPSC,CḡPsP»CḤPsPIP°PSPμ PeP»C-PSC-C‡PSPμ PrPsCḡP»C-PrP¶PμPSPSCḡ,
CḡPePμ C,CḡPëPIP°P»Ps 4 CḡPsPePë. 12218 PrPsCḡPsCḡP»PëC... PīP°C†C-C”PSC,C-PI P±CřP»Pë
CḡP°PSPrPsPjC-P·PsPIP°PSC- Cř PīCḡCřPīPë: 6110 PīP°C†C-C”PSC,C-PI PīCḡPëPμPjP°P»Pë
8 PjPi PīPμCḡPëPSPrPsPīCḡPëP»Cř C,PμCḡC,P±CřC,PëP»P°PjC-PSCř (C%Ps C”

$P_{\mu}PePIC-PIP^{\circ}P \gg P_{\mu}PSC, PSP\ddot{e}P_j \Pi P_{\mu}C\ddot{H}P\ddot{e}PSP_rPs\Pi C\ddot{H}P\ddot{e}P \gg C_r P^{\circ}C\ddot{H}PiC-PSC-PSC_r 10 P_jPi) C, P^{\circ}$
 6108 $\Pi P^{\circ}C \dagger C-C''PSC, C-PI \Pi C\ddot{H}P\ddot{e}PN_{\ddot{e}}P_jP^{\circ}P \gg P\ddot{e} \Pi P \gg P^{\circ}C \dagger P_{\mu}P \pm Ps. P_j PrPsC\ddot{I}P \gg C-PrP \Pi P_{\mu}PSPSC-$
 $P \pm C\ddot{H}P^{\circ}P \gg P\ddot{e} C_rC \dagger P^{\circ}C\ddot{I}C, CH \Pi P^{\circ}C \dagger C-C''PSC, P\ddot{e} P \cdot \Pi C-PrC, PIP_{\mu}C\ddot{H}PrP \Pi P_{\mu}PSPsC\ddot{H}$
 $C-C\epsilon P_{\mu}P_jC-C \dagger PSPsC\ddot{H} C... PIPsC\ddot{H}Ps \pm PsC\ddot{H} C\ddot{I}P_{\mu}C\ddot{H}C \dagger C\ddot{I} C, P^{\circ} P \pm P_{\mu}P \cdot PeP \gg C-PSC-C \dagger PSPs$
 $\Pi C-PrC, PIP_{\mu}C\ddot{H}PrP \Pi P_{\mu}PSPsC- C\ddot{I}P_{\mu}C\ddot{H}C \dagger P_{\mu}PIPsC- PSP_{\mu}PrPsC\ddot{I}C, P^{\circ}C, PSPsC\ddot{I}C, C-.$
 $P-P^{\circ}\Pi P^{\circ}P \gg PsP_j 90 \% \Pi P^{\circ}C \dagger C-C''PSC, C-PI \Pi P_{\mu}C\ddot{H}P_{\mu}PSP_{\mu}C\ddot{I}P \gg P\ddot{e} \Pi P^{\circ}PSP^{\circ}P_jPSP_{\mu}P \cdot C-$
 $C-PSC,, P^{\circ}C\ddot{H}PeC, P_jC-PsPeP^{\circ}C\ddot{H}PrP^{\circ} C, P^{\circ}/P^{\circ}P \pm Ps Ps\Pi P_{\mu}C\ddot{H}P^{\circ}C \dagger C-C\ddot{H} P \cdot$
 $C\ddot{H}P_{\mu}PIP^{\circ}C\ddot{I}PeC_rP \gg C\ddot{I}C\ddot{H}P\ddot{e}P \cdot P^{\circ}C \dagger C-C-.$ $P^{\circ}C-P \gg CHC\epsilon C-C\ddot{I}C, CH \Pi P^{\circ}C \dagger C-C''PSC, C-PI C_r$
 $PrPsC\ddot{I}P \gg C-PrP \Pi P_{\mu}PSPSC- PsC, C\ddot{H}P\ddot{e}P_jC_rPIP^{\circ}P \gg P^{\circ} \Pi P_{\mu}C\ddot{H}P\ddot{e}PSP_rPs\Pi C\ddot{H}P\ddot{e}P \gg PSP^{\circ}$
 $PrPsPrP^{\circ}C, PsPe PrPs C\ddot{I}C, P^{\circ}PSP_rP^{\circ}C\ddot{H}C, PSPsC- C, P_{\mu}C\ddot{H}P^{\circ}\Pi C-C-:$
 $PrP_{\mu}P \cdot P^{\circ}\Pi C\ddot{H}P_{\mu}PiP^{\circ}PSC, P^{\circ}P_jP\ddot{e}, \Pi C-\Pi PsP \gg C-\Pi C-PrP_{\mu}P_jC-C \dagger PSP\ddot{e}P_jP\ddot{e}$
 $P \gg C-PeP^{\circ}C\ddot{H}C\ddot{I}CHPeP\ddot{e}P_jP\ddot{e} P \cdot P^{\circ}C\ddot{I}PsP \pm P^{\circ}P_jP\ddot{e} C, P^{\circ} \beta-P \pm P \gg PsPeP^{\circ}C, PsC\ddot{H}P^{\circ}P_jP\ddot{e}.$

$P''PsP \gg PsPIPSP\ddot{e}P_jP\ddot{e} PeC\ddot{H}P\ddot{e}C, P_{\mu}C\ddot{H}C-C\ddot{I}P_jP\ddot{e} PsC \dagger C-PSPeP\ddot{e} P_{\mu}C,, P_{\mu}PeC, P\ddot{e}PIPSPsC\ddot{I}C, C-$
 $P \pm C_rP \gg P^{\circ} PePsP_jP \pm C-PSPsPIP^{\circ}PSP^{\circ} C, PsC \dagger PeP^{\circ}: C\ddot{I}P_{\mu}C\ddot{H}C \dagger P_{\mu}PIPs-C\ddot{I}C_rPrP\ddot{e}PSPSP^{\circ}$
 $P \gg P_{\mu}C, P^{\circ}P \gg CHBPSC-C\ddot{I}C, CH, PSP_{\mu}P \gg P_{\mu}C, P^{\circ}P \gg CHBPSP\ddot{e}PN_{\ddot{e}} C-PSC,, P^{\circ}C\ddot{H}PeC, P_jC-PsPeP^{\circ}C\ddot{H}PrP^{\circ}$
 $C, P^{\circ}/P^{\circ}P \pm Ps P \cdot C_r\Pi P\ddot{e}PSPeP^{\circ} C\ddot{I}P_{\mu}C\ddot{H}C \dagger C\ddot{I} P \cdot \Pi PsPrP^{\circ}P \gg CHC\epsilon P\ddot{e}P_j C_rC\ddot{I}\Pi C-C\epsilon PSP\ddot{e}P_j$
 $P \cdot P^{\circ}\Pi C_rC\ddot{I}PePsP_j. P P_{\mu}P \cdot C_rP \gg CHC, P^{\circ}C, PsP_j C, P_{\mu}C\ddot{H}P^{\circ}\Pi C-C- \Pi P_{\mu}C\ddot{H}P\ddot{e}PSP_rPs\Pi C\ddot{H}P\ddot{e}P \gg C_r$
 $C, P_{\mu}C\ddot{H}C, P \pm C_rC, P\ddot{e}P \gg P^{\circ}P_jC-PSPsP_j C_r PrPsP \cdot C- 8 P_jPi PsPrP\ddot{e}PS C\ddot{H}P^{\circ}P \cdot PSP^{\circ} PrPsP \pm C_r$
 $C\ddot{I}C, P^{\circ}P \gg Ps PrPsC\ddot{I}C, PsPIC-C\ddot{H}PSP_{\mu} P^{\circ}P \pm C\ddot{I}PsP \gg CHC, PSP_{\mu} P \cdot P_jP_{\mu}PSC\epsilon P_{\mu}PSPSC\ddot{I}$
 $\Pi PsPeP^{\circ}P \cdot PSP\ddot{e}PeP^{\circ} \Pi P_{\mu}C\ddot{H}PIP\ddot{e}PSPSPsC- PeC-PSC \dagger P_{\mu}PIPsC- C, PsC \dagger PeP\ddot{e}$
 $PrPsC\ddot{I}P \gg C-PrP \Pi P_{\mu}PSPSC\ddot{I} PSP^{\circ} 1,9 \% (P \cdot P_jP_{\mu}PSC\epsilon P_{\mu}PSPSC\ddot{I} PIC-PrPSPsC\ddot{I}PSPsPiPs$
 $C\ddot{H}P\ddot{e}P \cdot P\ddot{e}PeC_r PSP^{\circ} 20 \%, 95 \% P''P \dagger (PrPsPIC-C\ddot{H}C \dagger P\ddot{e}PN_{\ddot{e}} C-PSC, P_{\mu}C\ddot{H}PIP^{\circ}P \gg) [9,4; 28,6] \text{ в } \ddot{H}'' p <$
 0,001).

$P_hP_jP \gg PsPrP\ddot{e}\Pi C-PS$

$P_{\ddot{H}}P_{\mu}C...P^{\circ}PSC-P \cdot P_j PrC-C-$

$P_hP_jP \gg PsPrP\ddot{e}\Pi C-PS C'' C-PSPiC-P \pm C-C, PsC\ddot{H}PsP_j \Pi PsC, PsPeC_r C-PsPSC-PI PeP^{\circ}P \gg CHC \dagger C-C\ddot{H},$
 $C\%_{\circ}Ps PSP^{\circ}P \gg P_{\mu}P \Pi P\ddot{e}C, CH PrPs \Pi C\ddot{H}C_r\Pi P\ddot{e} PrP\ddot{e}\Pi C-PrC\ddot{H}Ps\Pi C-C\ddot{H}P\ddot{e}PrP\ddot{e}PSC-PI$
 $(P \pm P \gg PsPeP^{\circ}C, PsC\ddot{H} \Pi PsPIC-P \gg CHBPSP\ddot{e}C... PeP^{\circ}P \gg CHC \dagger C-C''PIP\ddot{e}C... PeP^{\circ}PSP^{\circ}P \gg C-PI P^{\circ}P \pm Ps$
 $P^{\circ}PSC, P^{\circ}\Pi PsPSC-C\ddot{I}C, C-PsPSC-PI PeP^{\circ}P \gg CHC \dagger C-C\ddot{H}) C, P^{\circ} P \pm P \gg PsPeC_rC''$
 $C, C\ddot{H}P^{\circ}PSC\ddot{I}P_jP_{\mu}P_jP \pm C\ddot{H}P^{\circ}PSPSP\ddot{e}PN_{\ddot{e}} \Pi PsC, C-Pe C-PsPSC-PI PeP^{\circ}P \gg CHC \dagger C-C\ddot{H} PrPs$
 $PeP \gg C-C, P\ddot{e}PS \Pi P \gg P^{\circ}PrPeP\ddot{e}C... P_j\text{в } \ddot{H}'' C\ddot{I}P \cdot C-PI P_jC-PsPeP^{\circ}C\ddot{H}PrP^{\circ} C, P^{\circ} C\ddot{I}C_rPrP\ddot{e}PS.$

$P_{\ddot{H}}P_{\mu}C...P^{\circ}PSC-P \cdot P_j P^{\circ}PSC, P\ddot{e}\Pi C-\Pi P_{\mu}C\ddot{H}C, P_{\mu}PSP \cdot P\ddot{e}PIPSPsC- PrC-C- P^{\circ}P_jP \gg PsPrP\ddot{e}\Pi C-PSC_r$
 $P \cdot C_rP_jPsPIP \gg P_{\mu}PSP\ddot{e}PN_{\ddot{e}} \Pi C\ddot{H}C\ddot{I}P_jPsC\ddot{H} C\ddot{H}P_{\mu}P \gg P^{\circ}PeC\ddot{I}C_rC\ddot{H}C \dagger PsC\ddot{H} PrC-C''C\ddot{H} PSP^{\circ}$
 $\Pi P \gg P^{\circ}PrPeC_r P_jC_rC\ddot{I}PeC_rP \gg P^{\circ}C, C_rC\ddot{H}C_r C\ddot{I}C_rPrP\ddot{e}PS. P\ddot{y}PsC \dagger PSP\ddot{e}PN_{\ddot{e}} P_jP_{\mu}C...P^{\circ}PSC-P \cdot P_j, P \cdot P^{\circ}$
 $PrPs\Pi PsP_jPs\Pi PsC\ddot{H} C\ddot{I}PePsPiPs P^{\circ}P_jP \gg PsPrP\ddot{e}\Pi C-PS P \cdot P_jP_{\mu}PSC\epsilon C_rC'' \Pi C\ddot{H}PsC\ddot{I}PIP\ddot{e}$
 $C\ddot{I}C, P_{\mu}PSPsPeP^{\circ}C\ddot{H}PrC-C-, \Pi PsPIPSC-C\ddot{I}C, C\ddot{H} PSP_{\mu} PIP\ddot{e}P \cdot PSP^{\circ}C \dagger P_{\mu}PSPs, P^{\circ}P \gg P_{\mu}$
 $P^{\circ}P_jP \gg PsPrP\ddot{e}\Pi C-PS P \cdot P_jP_{\mu}PSC\epsilon C_rC'' P \cdot P^{\circ}\Pi P^{\circ}P \gg CHBPSC_r C-C\epsilon P_{\mu}P_jC-C\ddot{H}$
 $PSP^{\circ}PIP^{\circ}PSC, P^{\circ}P \Pi P_{\mu}PSPSC\ddot{I} P \cdot P^{\circ}PIP_rC\ddot{I}PeP\ddot{e} C, P^{\circ}PeP\ddot{e}P_j PrC-C\ddot{I}P_j:$

- $P^{\circ}P_jP \gg PsPrP\ddot{e}\Pi C-PS C\ddot{H}PsP \cdot C\epsilon P\ddot{e}C\ddot{H}C\ddot{H}C'' \Pi P_{\mu}C\ddot{H}P\ddot{e}C,, P_{\mu}C\ddot{H}P\ddot{e}C \dagger PSC- P^{\circ}C\ddot{H}C, P_{\mu}C\ddot{H}C-PsP \gg P\ddot{e} C-$
 $C, P^{\circ}PeP\ddot{e}P_j C \dagger P\ddot{e}PSPsP_j P \cdot PSP\ddot{e}P \Pi C_rC'' P \cdot P^{\circ}\Pi P^{\circ}P \gg CHBPSP\ddot{e}PN_{\ddot{e}} \Pi P_{\mu}C\ddot{H}P\ddot{e}C,, P_{\mu}C\ddot{H}P\ddot{e}C \dagger PSP\ddot{e}PN_{\ddot{e}}$
 $Ps\Pi C-C\ddot{H} (\Pi PsC\ddot{I}C, PSP^{\circ}PIP^{\circ}PSC, P^{\circ}P \Pi P_{\mu}PSPSC\ddot{I}). P_hC\ddot{I}PeC-P \gg CHPeP\ddot{e} C \dagger P^{\circ}C\ddot{I}C, PsC, P^{\circ}$
 $C\ddot{I}P_{\mu}C\ddot{H}C \dagger P_{\mu}PIP\ddot{e}C... C\ddot{I}PePsC\ddot{H}PsC \dagger P_{\mu}PSC\ddot{H} PSP_{\mu} P \cdot P_jC-PSC\ddot{H}C''C, CHC\ddot{I}C\ddot{I},$
 $P \cdot PSP\ddot{e}P \Pi P_{\mu}PSPSC\ddot{I} PSP^{\circ}PIP^{\circ}PSC, P^{\circ}P \Pi P_{\mu}PSPSC\ddot{I} PSP^{\circ} C\ddot{I}P_{\mu}C\ddot{H}C \dagger P_{\mu} P \cdot P_jP_{\mu}PSC\epsilon C_rC''$
 $C\ddot{I}\Pi PsP \Pi P\ddot{e}PIP^{\circ}PSPSC\ddot{I} P_{\mu}PSP_{\mu}C\ddot{H}PiC-C- P_jC-PsPeP^{\circ}C\ddot{H}PrPsP_j C, P^{\circ} PN_{\ddot{e}}PsPiPs \Pi PsC, C\ddot{H}P_{\mu}P \pm C_r$
 $C_r PeP\ddot{e}C\ddot{I}PSC-;$

- P°PjP»PsPrPëPîC-PS C,P°PePsP¶ C‡P°CÍC,PePsPIPs CÍPîCĤPëCĬC” CĤPsP·CëPëCĤPµPSPSCĤ PiPsP»PsPIPSPëC... PePsCĤPsPSP°CĤPSPëC... P°CĤC,PµCĤC-PNë C,P° PePsCĤPsPSP°CĤPSPëC... P°CĤC,PµCĤC-PsP» CĬPe Cr PSPµP·PjC-PSPµPSPëC..., C,P°Pe C- PI C-CëPµPjC-P·PsPIP°PSPëC... P·PsPSP°C... PjC-PsPeP°CĤPrP°. PÿP°PeP° PrPëP»P°C,P°C†C-CĬ P·P±C-P»CHCëCrC” PSP°PrC...PsPrP¶PµPSPSCĬ PePëCÍPSCĤ PrPs PjC-PsPeP°CĤPrP° Cr C...PIPsCĤPëC... PSP° PIP°P·PsCÍPîP°CÍC,PeC‡PSCr CÍC,PµPSPsPeP°CĤPrC-CĤ (CÍC,PµPSPsPeP°CĤPrC-CĬ PµCĤPëPSC†PjPµC,P°P»P° P°P±Ps PIP°CĤC-P°PSC,PSP° CÍC,PµPSPsPeP°CĤPrC-CĬ).

PĤP»C-PSC-C‡PSP° PµC,,PµPeC,PëPIPSC-CÍC,CH C,P° P±PµP·PîPµPeP°

PJ PîP°C†C-C”PSC,C-PI P· P°CĤC,PµCĤC-P°P»CHPSPsCĤ PiC-PîPµCĤC,PµPSP·C-C”CĤ PîCĤPëPµPsPj P°PjP»PsPrPëPîC-PSCr PsPrPëPS CĤP°P· PSP° PrPsP±Cr P·P°P±PµP·PîPµC‡CrC” PeP»C-PSC-C‡PSPs PIPëCĤP°P¶PµPSPµ P·PSPëP¶PµPSPSCĬ P°CĤC,PµCĤC-P°P»CHPSPsPiPs C,PëCÍPeCr PîCĤPsC,CĬPiPsPj 24 PiPsPrPëPS CĬPe Cr PîPsP»PsP¶PµPSPSC- PîP°C†C-C”PSC,P° P»PµP¶P°C‡Pë, C,P°Pe C- PI PîPsP»PsP¶PµPSPSC- CÍC,PsCĬC‡Pë. P—P°PIPrCĬPePë PîPsPIC-P»CHPSPsPjCr PîPsC‡P°C,PeCr PrC-C— P°PjP»PsPrPëPîC-PS PSPµ CÍPîCĤPëC‡PëPSCĬC” PiPsCÍC,CĤPsC— PiC-PîPsC,PµPSP·C-C—.

PJ PîP°C†C-C”PSC,C-PI P·C- CÍC,PµPSPsPeP°CĤPrC-C”CĤ PîCĤPëPµPsPj P°PjP»PsPrPëPîC-PSCr PsPrPëPS CĤP°P· PSP° PrPsP±Cr P·P±C-P»CHCëCrC” P·P°PîP°P»CHPSPëPµ C‡P°CÍ C,,C-P·PëC‡PSPsPiPs PSP°PIP°PSC,P°P¶PµPSPSCĬ, C‡P°CÍ PrPs PIPëPSPëPePSPµPSPSCĬ PSP°PîP°PrCr CÍC,PµPSPsPeP°CĤPrC-C— C,P° C‡P°CÍ PrPs PIPëPSPëPePSPµPSPSCĬ PrPµPîCĤPµCÍC-C— CÍPµPiPjPµPSC,Cr ST PSP° 1 PjPj, P·PSPëP¶CrC” C‡P°CÍC,PsC,Cr PSP°PîP°PrC-PI CÍC,PµPSPsPeP°CĤPrC-C— C,P° P·PjPµPSCëCrC” PîPsC,CĤPµP±Cr Cr P·P°CÍC,PsCÍCrPIP°PSPSC- PSC-C,CĤPsPiP»C-C†PµCĤPëPSCr.

P— PîCĤPëPµPsPjPsPj P°PjP»PsPrPëPîC-PSCr PSPµ PîPsPIBĤ™ CĬP·P°PSC- P¶PsPrPSC- PSPµPîP°C,PëPIPSC- PjPµC,P°P±PsP»C-C‡PSC- PîCĤPsCĬPIPë P°P±Ps P·PjC-PSPë CĤC-PIPSCĬ P»C-PîC-PrC-PI Cr PîP»P°P·PjC- PeCĤPsPIC-, C,PsPjCr PNëPsPiPs PjPsP¶PSP° P·P°CÍC,PsCÍPsPICrPIP°C,Pë PîP°C†C-C”PSC,P°Pj P· P°CÍC,PjPsCĤ, C†CrPeCĤPsPIPëPj PrC-P°P±PµC,PsPj C,P° PîPsPrP°PîCĤPsCĤ.

P†CëPµPjC-C‡PSP° C...PIPsCĤPsP±P° CÍPµCĤC†CĬ (P†PĬPÿ)

P·C,,PµPeC,PëPIPSC-CÍC,CH P°PjP»PsPrPëPîC-PSCr Cr P·P°PîPsP±C-PîP°PSPSC- PeP»C-PSC-C‡PSPëC... PîPsPrC-PNë Cr PîP°C†C-C”PSC,C-PI P· C-CëPµPjC-C‡PSPsCĤ C...PIPsCĤPsP±PsCĤ CÍPµCĤC†CĬ (P†PĬPÿ) P±CrP»Ps PsC†C-PSPµPSPs Cr PSPµP·P°P»PµP¶PSPsPjCr PjCrP»CHC,PëC†PµPSC,CĤPsPIPsPjCr CĤP°PSPrPsPjC-P·PsPIP°PSPsPjCr PîPsPrPIC-PNëPSPs CÍP»C-PîPsPjCr PîP»P°C†PµP±PsPePsPSC,CĤPsP»CHPSPsPIP°PSPsPjCr PrPsCÍP»C-PrP¶PµPSPSC- P· CrC‡P°CÍC,CĤ 1997 PîP°C†C-C”PSC,C-PI BĤ”B CAMELOT (PµPsCĤC-PIPSCĬPSPSCĬ P°PjP»PsPrPëPîC-PSCr PrPs PµPSP°P»P°PîCĤPëP»Cr C%PsPrPs PsP±PjPµP¶PµPSPSCĬ PIPëPîP°PrPeC-PI C,CĤPsPjP±PsP·Cr). PµCĤPsC,CĬPiPsPj 2 CĤPsPeC-PI 663 PîP°C†C-C”PSC,Pë PîCĤPëPµPjP°P»Pë P°PjP»PsPrPëPîC-PS Cr PrPsP·C- 5BĤ”10 PjPi, 673 PîP°C†C-C”PSC,Pë PîCĤPëPµPjP°P»Pë PµPSP°P»P°PîCĤPëP» Cr PrPsP·C- 10BĤ”20 PjPi C- 655 PîP°C†C-C”PSC,C-PI PîCĤPëPµPjP°P»Pë PîP»P°C†PµP±Ps PSP° PrPsPrP°C,PsPe PrPs CÍC,P°PSPrP°CĤC,PSPsC— C,PµCĤP°PîC-C— CÍC,P°C,PëPSP°PjPë, β-P±P»PsPeP°C,PsCĤP°PjPë, PrC-CrCĤPµC,PëPeP°PjPë C,P° P°CÍPîC-CĤPëPSPsPj. PhCÍPSPsPIPSC- CĤPµP·CrP»CHC,P°C,Pë P· PµC,,PµPeC,PëPIPSPsCÍC,C- PSP°PIPµPrPµPSPs Cr C,P°P±P»PëC†C- PSPëP¶C‡Pµ. P PµP·CrP»CHC,P°C,PëB CÍPIC-PrC‡P°C,CH PîCĤPs C,Pµ, C%Ps P»C-PeCrPIP°PSPSCĬ P°PjP»PsPrPëPîC-PSPsPj P±CrP»Ps PîPsPIBĤ™ CĬP·P°PSPs P· PjPµPSCëPsCĤ PeC-P»CHPeC-CÍC,CĤ PIPëPîP°PrPeC-PI PiPsCÍPîC-C,P°P»C-P·P°C†C-C— P· PîCĤPëPIPsPrCr

СГГС,РμPSPsPeP°СГГPrC-C— C,P° PsPīPμCГP°C†C-PNē CГГPμPIP°CГPeCГP»CЦCГГPēP·P°C†C-C— CГ PīP°C†C-C”PSC,C-PI P· P†ГГPŸ.

РлC-P»CHPeC-СГГC,CH PIPēPīP°PrPeC-PI P·PSP°C‡PSPēC... PeP»C-PSC-C‡PSPēC...
CГГPμP·CГP»CHC,P°C,C-PI CГ PrPsCГP»C-PrP¶PμPSPSC- CAMELOT

РSР°CГГC,PsC,P° PeP°СГГPrC-PsPIP°CГPeCГP»CЦCГГPSPēC... PīPsPrC-PNē, PeC-P»CHPeC-СГГC,CH (%)	PђPјP»PsPrPēPīC-PS vs PīP»P°C†PμP±Ps				
P PμP·CГP»CHC,P°C,Pē	PђPјP»PsPrPēPīC-PS	PμP»P°C†PμP±Ps	P·PSP°P»P°PīCГГPēP»	P’C-PrPSPsCГГPSPēPNēCГГ- CГГPēP·PēPe (95 % P”P†)	P·PSP°C‡PμPSPSCЦ
<i>PμPμCГГPIPēPSPSP° PeC-PSC†PμPIP° C,PsC‡PeP° PќPμP±P°P¶P°PSC- PeP°СГГPrC-PsPIP°CГPeCГP»CЦCГГPSC- PīPsPrC-C—</i>	110 (16,6)	151 (23,1)	136 (20,0)	0,69 (0,54вГ”0,88)	0,003
<i>PђPeCГГPμPјC- CГГPeP»P°PrPsPIC- РлPsCГГPsPSP°СГГPSP° CГГPμPIP°CГPeCГP»CЦCГГPēP·P°C†C-CЦ</i>	78 (11,8)	103 (15,7)	95 (14,1)	0,73 (0,54вГ”0,98)	0,03
<i>P”PsCГГPīC-C,P°P»C-P·P°C†C-C— P· PīCГГPēPīPsPrCГ CГГC,РμPSPsPeP°СГГPrC-C—</i>	51 (17,7)	84 (12,8)	86 (12,8)	0,58 (0,41вГ”0,82)	0,002
<i>PќPμP»PμC,P°P»CHPSPēPNē C-PSC,,P°СГГPeC, PјC-PsPeP°СГГPrP°</i>	14 (2,1)	19 (2,9)	11 (1,6)	0,73 (0,37-1,46)	0,37
<i>P†PSCГГCГP»CHC, P°P±Ps C,СГГP°PSP·PēC,PsCГГPSP° C-CēPμPјC-C‡PSP° P°C,P°PeP°</i>	6 (0,9)	12 (1,8)	8 (1,2)	0,50 (0,19вГ”1,32)	0,15
<i>РлP°СГГPrC-PsPIP°CГPeCГP»CЦCГГPSP° P»PμC,P°P»CHPSC-CГГC,CH</i>	5 (0,8)	2 (0,3)	5 (0,7)	2,46 (0,48вГ”12,7)	0,27
<i>P”PsCГГPīC-C,P°P»C-P·P°C†C-C— P· PīCГГPēPīPsPrCГ P·P°CГГC,C-PNēPSPsC— CГГPμCГГC†PμPīPsC— PSPμPrPsCГГC,P°C,PSPsCГГC,C- P—CГГPīPēPSPeP° CГГPμCГГCЦ P· PīPsPrP°P»CHCēPēPј P·P°PīCГГCГPePsPј</i>	3 (0,5)	5 (0,8)	4 (0,6)	0,59 (0,14вГ”2,47)	0,46
<i>PјPīPμCГГCēPμ PIPēCЦPIP»PμPSC- P·P°C...PIPсГГCГPIP°PSPSCЦ PīPμCГГPēC,,PμCГГPēC‡PSPēC... CГГCГPrPāPS</i>	0	4 (0,6)	1 (0,1)	-	0,04
<i>PјPīPμCГГCēPμ PIPēCЦPIP»PμPSC- P·P°C...PIPсГГCГPIP°PSPSCЦ PīPμCГГPēC,,PμCГГPēC‡PSPēC... CГГCГPrPāPS</i>	5 (0,8)	2 (0,3)	8 (1,2)	2,6 (0,5вГ”13,4)	0,24

РŸPμCГГC†PμPIP° PSPμPrPsCГГC,P°C,PSC-CГГC,CH

P”PsCГГP»C-PrP¶PμPSPSCЦ PīPμPјPsPrPēPSP°PјC-PePē C,P° PeP»C-PSC-C‡PSC-
PrPsCГГP»C-PrP¶PμPSPSCЦ P· PePsPSC,CГГPsP»PμPј PSP°PIP°PSC,P°P¶PμPSPSCЦ P·
CГГC‡P°CГГC,CH PīP°C†C-C”PSC,C-PI C-P· CГГPμCГГC†PμPīPsCH PSPμPrPsCГГC,P°C,PSC-CГГC,CH
C,,CГГPSPeC†C-PsPSP°P»CHPSPsPīPs PeP»P°CГГCГ PвГ”IV P·P° PeP»P°CГГPēC,,C-PeP°C†C-C”CH
NYHA (PќCHCH-P™ PsCГГPeCГГCHPeP° PeP°СГГPrC-PsP»PsPīC-C‡PSP° P°CГГPsC†C-P°C†C-CЦ)
PīPsPeP°P·P°P»Pē, C%Ps P°PјP»PsPrPēPīC-PS PSPμ PīCГГPēP·PīPsPrPēPī PeP»C-PSC-C‡PSPsPīPs
PīPsPīC-CГГCēPμPSPSCЦ P·P° CГГPμP·CГP»CHC,P°C,P°PјPē PīPsPeP°P·PSPēPeC-PI
PīPμCГГPμPSPsCГГPēPјPsCГГC,C- C,,C-P·PēC‡PSPēC... PSP°PIP°PSC,P°P¶PμPSCH,
C,,CГГP°PeC†C-C”CH PIPēPePēPrCГ P»C-PīPsPīPs CēP»CГГPSPsC‡PeP° C,P° PeP»C-PSC-C‡PSPsCH
CГГPēPјPīC,PsPјP°C,PēPePsCH.

PђPμC,PsCH PīP»P°C†PμP±PsPePsPSC,CГГPsP»CHPSPPIP°PSPsPīPs PrPsCГГP»C-PrP¶PμPSPSCЦ
PRAISE P±CГP»P° PsC†C-PSPeP° PIPīP»PēPICГ P°PјP»PsPrPēPīC-PSCГ PSP° PīP°C†C-C”PSC,C-PI
C-P· CГГPμCГГC†PμPīPsCH PSPμPrPsCГГC,P°C,PSC-CГГC,CH C,,CГГPSPeC†C-PsPSP°P»CHPSPsPīPs
PeP»P°CГГCГ PвГ”IV NYHA, CЦPeC- PīCГГPēPNēPјP°P»Pē PrPēPīPsPeCГГPēPS,
PrC-CГГCГPμC,PēPePē C,P° C-PSPīC-P±C-C,PsCГГPē PђPμPђ. P”PsCГГP»C-PrP¶PμPSPSCЦ
PīPsPeP°P·P°P»Ps, C%Ps P·P°CГГC,PsCГГCГPIP°PSPSCЦ P°PјP»PsPrPēPīC-PSCГ PSPμ
PīC-PrPIPēC%CГC” CГГPēP·PēPeCГ P»PμC,P°P»CHPSPsCГГC,C- P°P±Ps CГГPēP·PēPeCГ

P·P°C...PIPsCḡCḡPIP°PSPsCíC,C-/P»PμC,P°P»CHbPSPsCíC,C-, PíPsPIbḡ™ CḡP·P°PSPëC... C-P·
CíPμCḡCḡPμPIPsCḡ PSPμPrPsCíC,P°C,PSC-CíC,Cḡ.B B B B B B B

PRAISE-2 bḡ” PrPsPIPiPsC,CḡPëPIP°P»Pμ PíP»P°CḡPμP±PsPePsPSC,CḡPsP»CHbPsPIP°PSPμ
PrPsCíP»C-PrPḡPμPSPSCḡ. PḡPμC,P° PrPsCíP»C-PrPḡPμPSPSCḡ bḡ” PsCḡC-PSPëC,Pë
PIPiP»PëPI P°PjP»PsPrPëPiC-PSCí PSP° PíP°CḡC-C”PSC,C-PI C-P· CíPμCḡCḡPμPIPsCḡ
PSPμPrPsCíC,P°C,PSC-CíC,Cḡ C,,CíPSPeCḡC-PsPSP°P»CHbPSPsPiPs PeP»P°CíCí IIIbḡ”IV NYHA
P±PμP· PeP»C-PSC-CḡPSPëC... CíPëPjPiC,PsPjC-PI P°P±Ps PsP±bḡ™ C”PeC,PëPIPSPëC...
PrP°PSPëC..., CḡPeC- PíC-PrC,PIPμCḡPrPḡCíCḡC,CHb P°P±Ps C” PI PsCíPSPsPIC-
C-CḡPμPjC-CḡPSPsC— C...PIPsCḡPsP±Pë. PμP°CḡC-C”PSC,Pë, CḡPeC- P±CḡP°P»Pë
CíCḡP°CíC,Cḡ Cí PrPsCíP»C-PrPḡPμPSPSC-, C,CḡPëPIP°P»PëPNḡ CḡP°Cí PíCḡPëPNḡPjP°P»Pë
C-PSPiC-P±C-C,PsCḡPë PḡPμPḡ, P»C-PeP°CḡCíCḡPeC- P·P°CíPsP±Pë PrPëPiC-C,P°P»C-CíCí
C,P° PrC-CíCḡPμC,PëPePë. P”PsCíP»C-PrPḡPμPSPSCḡ PíPsPeP°P·P°P»Ps, C°Ps
P°PjP»PsPrPëPiC-PS PSPμ PíPiP»PëPIP°C” PSP° P·P°PiP°P»CHbPSCí
PeP°CḡPrC-PsPIP°CíPeCíP»CḡCḡPSCí P»PμC,P°P»CHbPSC-CíC,Cḡ. Pj CḡP°PjPeP°C...
PrPsCíP»C-PrPḡPμPSPSCḡ PíCḡPëPNḡPsPj P°PjP»PsPrPëPiC-PSCí P°CíPsCḡC-CḡPIP°PICíCḡ
C-P· PíC-PrPIPëC°PμPSPSCḡPj PeC-P»CHbPePsCíC,C- PíPsPIC-PrPsPjP»PμPSCḡ PíCḡPs
PSP°P±CḡCḡPe P»PμPiPμPSC-PI.

ALLHAT bḡ” PrPsCíP»C-PrPḡPμPSPSCḡ CḡC-P·PSPëC... C,PëPiC-PI P»C-PeCíPIP°PSPSCḡ
PrP»Cḡ PíPsPiPμCḡPμPrPḡPμPSPSCḡ CíPμCḡCḡPμPIPëC... PSP°PíP°PrC-PI

P P°PSPPrPsPjC-P·PsPIP°PSPμ PíPsPrPIC-PNḡPSPs CíP»C-PíPμ PrPsCíP»C-PrPḡPμPSPSCḡ
P·P°C...PIPsCḡCḡPIP°PSPsCíC,C-/P»PμC,P°P»CHbPSPsCíC,C- ALLHAT
(PḡPSC,PëPiC-PíPμCḡC,PμPSP·PëPIPSPμ C,P° PiC-PíPsP»C-PíC-PrPμPjC-CḡPSPμ
P»C-PeCíPIP°PSPSCḡ PrP»Cḡ PíCḡPsC,,C-P»P°PeC,PëPePë CíPμCḡCḡPμPIPëC... PSP°PíP°PrC-PI)
PíCḡPsPiPsPrPëP»Pë Cí PíP°CḡC-C”PSC,C-PI P· P»PμPiPePsCḡ C- PíPsPjC-CḡPSPsCḡ
P°CḡC,PμCḡC-P°P»CHbPSPsCḡ PiC-PíPμCḡC,PμPSP·C-C”Cḡ PrP»Cḡ PíPsCḡC-PIPSḡPSPSCḡ
CíCíCḡP°CíPSPëC... C,PμCḡP°PíPμPIC,PëCḡPSPëC... P·P°CíPsP±C-PI: P°PjP»PsPrPëPiC-PSCí Cí
PrPsP·C- 2,5bḡ”10 PjPi/PrPsP±Cí (P±P»PsPeP°C,PsCḡ PeP°P»CHbCḡC-C”PIPëC... PeP°PSP°P»C-PI)
P°P±Ps P»C-P·PëPSPsPíCḡPëP»Cí Cí PrPsP·C- 10bḡ”40 PjPi/PrPsP±Cí (C-PSPiC-P±C-C,PsCḡ
PḡPμPḡ) CḡPe C,PμCḡP°PíC-C— PíPμCḡCḡPsC— P»C-PSC-C— C- C,C-P°P·PëPrPSPsPiPs
PrC-CíCḡPμC,PëPeP° C...P»PsCḡC,P°P»C-PrPsPSCí Cí PrPsP·C- 12,5bḡ”25 PjPi/PrPsP±Cí.

Pj PrPsCíP»C-PrPḡPμPSPSC- P±CḡP°P»Pë CíCḡP°CíC,Cḡ 33357 PíP°CḡC-C”PSC,C-PI P·
P°CḡC,PμCḡC-P°P»CHbPSPsCḡ PiC-PíPμCḡC,PμPSP·C-C”Cḡ PIC-PePsPj PIC-Pr 55 CḡPsPeC-PI,
CḡPeC- CíPíPsCíC,PμCḡC-PíP°P»PëCíCḡ PI CíPμCḡPμPrPSCḡPsPjCí PíCḡPsC,CḡPiPsPj 4,9
CḡPsPeCí. PμP°CḡC-C”PSC,Pë PjP°P»Pë C...PsCḡP° P± PsPrPëPS PrPsPrP°C,PePsPIPëPNḡ
PeP°CḡPrC-PsPIP°CíPeCíP»CḡCḡPSPëPNḡ C,,P°PeC,PsCḡ CḡPëP·PëPeCí, Cí C,PsPjCí
CḡPëCíP»C- PíPsPíPμCḡPμPrPSC-PNḡ C-PSC,,P°CḡPeC, PjC-PsPeP°CḡPrP° P°P±Ps
C-PSCíCíP»CHbC, P·P° > 6 PjC-CíCḡCḡC-PI PrPs PíPeP»CḡCḡPμPSPSCḡ Cí
PrPsCíP»C-PrPḡPμPSPSCḡ, P°P±Ps PíC-PrC,PIPμCḡPrPḡPμPSPSCḡ C-PSCḡPsPiPs
P°C,PμCḡPsCíPeP»PμCḡPsC,PëCḡPSPsPiPs CíPμCḡCḡPμPIPs-CíCíPrPëPSPSPsPiPs
P·P°C...PIPsCḡCḡPIP°PSPSCḡ (P·P°PiP°P»PsPj 51,5 %), PrC-P°P±PμC, PḡPḡ C,PëPíCí (36,1 %),
PrPëCíP»C-PíC-PrPμPjC-Cḡ P·P°P (P»C-PíPsPíCḡPsC,PμC—PrPë PíPëCíPsPePsC—
C°C-P»CHbPSPsCíC,C-) < 35 PjPi/PrP» (11,6 %), PiC-PíPμCḡC,CḡPsC,,C-Cḡ P»C-PIPsPiPs
CḡP»CíPSPsCḡPeP°, C°Ps P±CíP»P° PICíC,P°PSPsPIP»PμPSP° PSP°
PμP»PμPeC,CḡPsPeP°CḡPrC-PsPiCḡP°PjC- P°P±Ps PíC-Pr CḡP°Cí
PμC...PsPeP°CḡPrC-PsPiCḡP°C,,C-C— (20,9 %), PíP°P»C-PSPSCḡ (21,9 %).

PμPμCḡPIPëPSPSP° PeC-PSCḡPμPIP° C,PsCḡPeP° PrPsCíP»C-PrPḡPμPSPSCḡ P±CíP»P°
PePsPjP±C-PSPsPIP°PSPsCḡ C- CíPeP»P°PrP°P»P°CíCḡ P· P»PμC,P°P»CHbPSPëC...

CíCíPéP»P°PrPSPµPSCĤ P†P†PŸ P°P±Ps PSPµP»PµC,P°P»CHBPSPsPiPs C-PSC,,P°CĤPéC,Cí
 PjC-PsPeP°CĤPrP°. PŸC,P°C,PëCíC,PëC†PSPs PrPsCíC,PsPIC-CĤPSPsC— CĤC-P·PSPëC†C- P·P°
 PíPsPeP°P·PSPëPeP°PjPë PíPµCĤPIPëPSPSPsC— PeC-PSC†PµPIPsC— C,PsC†PePë PjC-P¶
 C,PµCĤP°PíC-C”CĤ PSP° PsCíPSPsPIC- P°PjP»PsPrPëPíC-PSCí C- C,PµCĤP°PíC-C”CĤ PSP°
 PsCíPSPsPIC- C...P»PsCĤC,P°P»C-PrPsPSCí PSPµ PIPëCĬIPIP»PµPSPs: PIC-PrPSPsCíPSPëPNë
 CĤPëP·PëPe 0,98, 95 % P”P† (0,90вĤ”1,07) CĤ = 0,65. P©PsPrPs PIC,PsCĤPëPSPSPëC...
 PeC-PSC†PµPIPëC... C,PsC†PsPe, C,Ps C†P°CíC,PsC,P° PIPëPSPëPePSPµPSPSCĬ
 CíPµCĤC†PµPIPsC— PSPµPrPsCíC,P°C,PSPsCíC,C- (CíPéP»P°PrPsPIP°
 PePsPjP±C-PSPsPIP°PSPsC— CíPµCĤC†PµPIPs-CíCíPrPëPSPSPsC— PeC-PSC†PµPIPsC—
 C,PsC†PePë) P±CíP»P° PrPsCíC,PsPIC-CĤPSPs PIPëC%PsCĤ Cí PiCĤCíPiC-, C%Ps
 PíCĤPëPNëPjP°P»P° P°PjP»PsPrPëPíC-PS, PíPsCĤC-PIPSĬPSPs P· PiCĤCíPiPsCĤ, C%Ps
 PíCĤPëPNëPjP°P»P° C...P»PsCĤC,P°P»C-PrPsPS (10,2 % PíCĤPsC,Pë 7,7 %, PIC-PrPSPsCíPSPëPNë
 CĤPëP·PëPe 1,38, 95 % P”P† [1,25вĤ”1,52] p < 0,001). PhPrPSP°Pe PSPµ P±CíP»Ps
 PIC-PrP·PSP°C†PµPSPs PrPsCíC,PsPIC-CĤPSPsC— CĤC-P·PSPëC†C- P·P°
 P»PµC,P°P»CHBPSC-CíC,CĤ P· P±CíPrCH-CĬPePëC... PíCĤPëC†PëPS PjC-P¶ C,PµCĤP°PíC-C”CĤ
 PSP° PsCíPSPsPIC- P°PjP»PsPrPëPíC-PSCí C- C,PµCĤP°PíC-C”CĤ PSP° PsCíPSPsPIC-
 C...P»PsCĤC,P°P»C-PrPsPSCí (PIC-PrPSPsCíPSPëPNë CĤPëP·PëPe 0,96, 95 % P”P† [0,89вĤ”1,02]
 CĤ = 0,20).

P’P»P°CíC,PëPIPsCíC,C-, PsPrPSP°PePsPIC- PrP»CĬ PíPµCĤPëPSPPrPsPíCĤPëP»Cé C,P°
P°PjP»PsPrPëPíC-PSCé

P”PsCíP»C-PrP¶PµPSPSCĬ P·P°C...PIPsCĤCĤPIP°PSPsCíC,C- C,P° P»PµC,P°P»CHBPSPsCíC,C-
 ASCOT-BLPA (PĤPSPiP»Ps-CíPéP°PSPPrPëPSP°PICíCĤPePµ PrPsCíP»C-PrP¶PµPSPSCĬ
 PeP°CĤPrC-PsPIP°CíPéCíP»CĬCĤPSPëC... PSP°CíP»C-PrPeC-PI вĤ”
 P°PSC,PëPiC-PíPµCĤC,PµPSP·PëPIPSP° PiC-P»PeP°) P±CíP»Ps PíCĤPsPIPµPrPµPSPs P·
 CíC†P°CíC,CĤ 19257 PíP°C†C-C”PSC,C-PI PIC-PePsPj PIC-Pr 40 PrPs 79 CĤPsPeC-PI P·
 PiC-PíPµCĤC,PµPSP·C-C”CĤ C,P° PSP°CĬIPISC-CíC,CĤ C%PsPSP°PNëPjPµPSCëPµ 3 C-P·
 PSPëP¶C†PµPSP°PIPµPrPµPSPëC... PeP°CĤPrC-PsPIP°CíPéCíP»CĬCĤPSPëC... C,,P°PeC,PsCĤC-PI
 CĤPëP·PëPeCí: PiC-PíPµCĤC,CĤPsC,,C-CĬ P»C-PIPsPiPs CëP»CíPSPsC†PeP° (PIPëCĬIPIP»PµPSP°
 P·P° PrP°PSPëPjPë P·P·P”P° P°P±Ps PµC...PsPeP°CĤPrC-PsPiCĤP°C,,C-C—), C-PSCëC-
 PIC-PrC...PëP»PµPSPSCĬ, PIPëCĬIPIP»PµPSC- PSP° PµP»PµPeC,CĤPsPeP°CĤPrC-PsPiCĤP°PjC-,
 C†CíPeCĤPsPIPëPNë PrC-P°P±PµC, P†P† C,PëPíCí, P·P°C...PIPsCĤCĤPIP°PSPSCĬ
 PíPµCĤPëC,,PµCĤPëC†PSPëC... P°CĤC,PµCĤC-PNë, PíPµCĤPµPSPµCíPµPSPëPNë C-PSCíCíP»CHC,
 P°P±Ps C,CĤP°PSP·PëC,PsCĤPSP° C-CëPµPjC-C†PSP° P°C,P°PeP°, C†PsP»PsPIC-C†P°
 CíC,P°C,CH, PIC-Pe PIC-Pr 55 CĤPsPeC-PI, PjC-PeCĤPsP°P»CHBP±CíPjC-PSCíCĤC-CĬ P°P±Ps
 PíCĤPsC,PµC—PSCíCĤC-CĬ, PíP°P»C-PSPSCĬ, CíPiC-PIPIC-PrPSPsCëPµPSPSCĬ CĤC-PIPSĬ
 P·P°PíP°P»CHBPSPsPiPs C...PsP»PµCíC,PµCĤPëPSCí PíP»P°P·PjPë PrPs
 C...PsP»PµCíC,PµCĤPëPSCí P»C-PíPsPíCĤPsC,PµC—PrC-PI PIPëCíPsPePsC—
 C%C-P»CHBPSPsCíC,C- (P>P°P©) 6 C- P±C-P»CHCëPµ, CíC-PjPµPNëPSPëPNë P°PSP°PjPSPµP·
 CĤP°PSPSCHBPsiPs PIPëPSPëPePSPµPSPSCĬ P†P†PŸ.

PhCíPSPsPIPSsCĤ PjPµC,PsCĤ PrPsCíP»C-PrP¶PµPSPSCĬ P±CíP»Ps PsC†C-PSPëC,Pë C,P°
 PíPsCĤC-PIPSĬC,Pë PrPsPIPiPsC,CĤPëPIP°P»C- PIPiP»PëPIPë PrPIPsC... CĤPµP¶PëPjC-PI
 P°PSC,PëPiC-PíPµCĤC,PµPSP·PëPIPSsC— C,PµCĤP°PíC-C— PSP° PePsPjP±C-PSPsPIP°PSCí
 PeC-PSC†PµPICí C,PsC†PeCí вĤ” PSPµP»PµC,P°P»CHBPSPëPNë C-PSC,,P°CĤPéC,
 PjC-PsPeP°CĤPrP° (PIPeP»CĤC†P°CĤC†Pë P±PµP·CíPëPjPiC,PsPjPSPëPNë C-PSC,,P°CĤPéC,
 PjC-PsPeP°CĤPrP°) C,P° P»PµC,P°P»CHBPSC- CíCíPéP»P°PrPSPµPSPSCĬ C-CëPµPjC-C†PSPsC—
 C...PIPsCĤPsP±Pë CíPµCĤC†CĬ (P†P†PŸ), P° CíP°PjPµ вĤ” C,PµCĤP°PíC-C—
 P°PjP»PsPrPëPíC-PSPsPj Cí PePsPjP±C-PSP°C†C-C— P· PíPµCĤPëPSPPrPsPíCĤPëP»PsPj,
 CĬPePëPNë PrPsPrP°PIP°P»Pë Cí CĤP°P·C- PSPµPsP±C...C-PrPSPsCíC,C- P·PSPëP¶PµPSPSCĬ

C, PëCíPëCí, PíPSCíC-PIPSCíPSPs P· C, PµCíP°PíC-C"CH P°C, PµPSPsP»PsP»PsPj Cí
 PëPsPjP±C-PSP°C†C-C— P· PrC-CíCíPµC, PëPëPsPj P±PµPSPPrCíPSC,, P»CíPjPµC, C-P°P·PëPrPsPj,
 C%Ps PrPsPrP°PIP°P»Pë Cí CíP°P·C- PSPµPsP±C...C-PrPSPsCíC, C- P·PSPëP¶PµPSPSCíC
 C, PëCíPëCí.

PJ PeC-PSC†C- PrPsCíP»C-PrP¶PµPSPSCíC P±C-P»CHC€C-CíC, CH PíP°C†C-C"PSC, C-PI (78 %, 14974 P· 19242) PsC, CíPëPjCíPIP°P»Pë C%PsPSP°PµPjPµPSC€Pµ PrPIP°
 P°PSC, PëPiC-PíPµCíC, PµPSP·PëPIPSC- P·P°CíPSP±Pë C- P»PëC€Pµ 15 % (1401 P· 9634) C, P° 9 % (857 P· 9608) PsC, CíPëPjCíPIP°P»Pë PjPsPSPsC, PµCíP°PíC-CH P°PjP»PsPrPëPíC-PSPsPj C, P°
 P°C, PµPSPsP»PsP»PsPj PIC-PrPíPsPIC-PrPSPs.

P"PsCíP»C-PrP¶PµPSPSCíC P±CíP»Ps PrPsCíC, CíPSPëPsPIPs PíCíPëPíPëPSPµPSPs PI
 CíPµCíPµPrPSCíPSPjCí C±PµCíPµP· 5,5 CíPSPëCí CíPíPSCíC, PµCíPµP¶PµPSCíC P·P°
 CíC-C€PµPSPSCíC P P°PrPë P· PjPsPSC-C, PsCíPëPSPiCí PrP°PSPëC... P· P±PµP·PíPµPëPë (Data Safety Monitoring Board вђ” DSMB), PsCíPëC-P»CHPëPë CíPíPSCíC, PµCíC-PíP°P»P°CíCíC
 P·PSP°C±PSPs PIPëC%P° P»PµC, P°P»CHPSC-CíC, CH Cí PíCíCíPíC-, PrPµ
 P·P°CíC, PsCíPSPiCíPIP°P»P°CíCíC C, PµCíP°PíC-CíC PSP° PsCíPSPsPIC- P°C, PµPSPsP»PsP»Cí,
 PíPSCíC-PIPSCíPSPs P· PíCíCíPíPsCH P·P°CíC, PsCíCíPIP°PSPSCíC P°PjP»PsPrPëPíC-PSCí.

P—P° CíPµP·CíP»CHC, P°C, P°PjPë PrPsCíP»C-PrP¶PµPSPSCíC PIC-PrP·PSP°C±P°P»PsCíCíC
 PSPµPrPsCíC, PsPIC-CíPSPµ P·PSPëP¶PµPSPSCíC PíPµCíPIPëPSPSPsC— PeC-PSC†PµPIPsC—
 C, PsC±PëPë, C%Ps CíPëP»P°PrP°P»P°CíCíC P· PSPµP»PµC, P°P»CHPSPsPiPs C-PSC,, P°CíPëC, Cí
 PjC-PsPëP°CíPPrP° (PIPëP»CHC±P°CHC±Pë P±PµP·CíPëPjPíC, PsPjPSPsPiPs) C-PSC,, P°CíPëC,
 PjC-PsPëP°CíPPrP°) C, P° P»PµC, P°P»CHPSPëC... CíCíPëP»P°PrPSPµPSCíC C-C€PµPjC-C±PSPsC—
 C...PIPsCíPSP±Pë CíPµCíC†CíC (P†PíPŸ), PSP° 10 % Cí PíCíCíPíC- PíP°C†C-C"PSC, C-PI,
 CíPëC- P·P°CíC, PsCíPSPiCíPIP°P»Pë PëPsPjP±C-PSP°C†C-CíC
 P°PjP»PsPrPëPíC-PS/PíPµCíPëPSPPrPsPíCíPëP», PíPSCíC-PIPSCíPSPs P· PíCíCíPíPsCH
 P°C, PµPSPsP»PsP»/P±PµPSPPrCíPSC,, P»CíPjPµC, C-P°P·PëPr. PhPrPSP°Pë
 CíPíPSCíC, PµCíC-PíP°P»PsCíCíC PrPsCíC, PsPIC-CíPSPµ P·PSPëP¶PµPSPSCíC PICíC-C...
 PíPSPëP°P·PSPëPëC-PI PIC, PsCíPëPSPSPëC... PeC-PSC†PµPIPëC... C, PsC±PSPe (P·P°
 PIPëPSCíC, PëPsPj P»PµC, P°P»CHPSPsC— C, P° PSPµP»PµC, P°P»CHPSPsC—
 CíPµCíC†PµPIPsC— PSPµPrPsCíC, P°C, PSPsCíC, C-) Cí PíCíCíPíC- PíP°C†C-C"PSC, C-PI,
 CíPëC- PsC, CíPëPjCíPIP°P»Pë P°PjP»PsPrPëPíC-PS/PíPµCíPëPSPPrPsPíCíPëP».

РљС-РSC†РµPIC- C, PsC±PëPë

P°C, PsCíPëPSPSC- PeC-PSC†PµPIC- C, PsC±PëPë	P—PSPëP¶PµPSPSCíC PIC-PrPSPsCíPSPsPiPs CíPëP·PëPëCí	95 % P"P†	Cí
PkPµP»PµC, P°P»CHPSPëPµ C-PSC,, P°CíPëC, PjC-PsPëP°CíPPrP° (PeCíC-Pj P±PµP·CíPëPjPíC, PsPjPSPsPiPs) P»PµC, P°P»CHPSP° P†PíPŸ	13 %	0,76вђ”1,00	0,0458
P—P°PíP°P»CHPSP° PëPsCíPSPSP°CíPSP° PeC-PSC†PµPIP° C, PsC±PëP°	13 %	0,79вђ”0,96	0,007
РљPsCíPSPSP°CíPSC- PíPSPrC-C— C, P° PIC, CíCíC±P°PSPSCíC	16 %	0,78вђ”0,90	< 0,0001

P»PµC,P°P»CHBPSC-Cl'C,CH P· CfCl'C-C... PiCtjPeC±PePS	11 %	0,81вґ“0,99	0,0247
PŸPµCtjC†PµPIPs-Cl'CfPrPePSPSP° P»PµC,P°P»CHBPSC-Cl'C,CH	24 %	0,65вґ“0,90	0,0010
P»PµC,P°P»CHBPSPePNē C,P° PSPµP»PµC,P°P»CHBPSPePNē C-PSCl'CfP»CHC,	23 %	0,66вґ“0,89	0,0003
P»PµC,P°P»CHBPSP° C,P° PSPµP»PµC,P°P»CHBPSP° Cl'PµCtjC†PµPIP° PSPµPrPsCl'C,P°C,PSC-Cl'C,CH	16 %	0,66вґ“1,05	0,1257

PαP°CtjPjP°PePsPeC-PSPµC,PēPeP°.

PēPIPePrPeC-Cl'C,CH C,P° Cl'C,CfPiC-PSCH PICl'PjPsPeC,CfPIP°PSPSCl
PiPµCtjPePSPPrPsPiCtjPeP»Cf PNē P°PjP»PsPrPePiC-PSCl ClPe PsPeCtjPµPjPs, C,P°Pe C- Cf
Cl'PeP»P°PrC- C„C-PeCl'PsPIP°PSPsC— PePsPjP±C-PSP°C†C-C— PµPsCtjPrPµCtjC-Cl PµPµ
PrPsCl'C,PsPIC-CtjPSPs PSPµ PIC-PrCtjC-P·PSCl'CHC,CHCl'Cl.

PµPµCtjPePSPPrPsPiCtjPeP»

PµP±Cl'PsCtjP±C†C-Cl

PµC-Cl'P»Cl PiPµCtjPsCtjP°P»CHBPSPsPiPs PiCtjPePNēPsPjCf PiPµCtjPePSPPrPsPiCtjPeP»
CēPIPePrPePs PICl'PjPsPeC,CfC”C,CHCl'Cl, PjP°PeCl'PePjP°P»CHBPSP°
PePsPSC†PµPSC,CtjP°C†C-Cl Cf PiP»P°P·PjC- PeCtjPsPIC- PrPsCl'ClPiP°C”C,CHCl'Cl
PiCtjPsC,ClPiPsPj 1 PiPsPrPePSPē. PµPµCtjC-PsPr PSP°PiC-PICtjPsP·PiP°PrCf
PiPµCtjPePSPPrPsPiCtjPeP»Cf Cf PiP»P°P·PjC- PeCtjPsPIC- Cl'C,P°PSPsPIPēC,CH 1 PiPsPrPePSCf.

PµPµCtjPePSPPrPsPiCtjPeP» C” PiCtjPsP»C-PeP°PjPē. 27 % PIC-Pr P·P°PiP°P»CHBPSPsC—
PeC-P»CHPePsCl'C,C- PiCtjPePNēPSCl'Cl,PsPiPs PiPµCtjPePSPPrPsPiCtjPeP»Cf PrPsCl'ClPiP°C”
PeCtjPsPIPsC,PsPeCf Cf PiPePiP»ClPrC- P°PeC,PēPIPSPsPiPs PjPµC,P°P±PsP»C-C,Cf вґ”
PiPµCtjPePSPPrPsPiCtjPeP»P°C,Cf. PµCtjC-Pj P°PeC,PēPIPSPsPiPs PjPµC,P°P±PsP»C-C,Cf
PiPµCtjPePSPPrPsPiCtjPeP»P°C,Cf, P»C-PeP°CtjCl'CHPePePNē P·P°Cl'C-P± CfC,PIPsCtjCHC” 5
PjPµC,P°P±PsP»C-C,C-PI, ClPeC- C” PSPµP°PeC,PēPIPSPePjPē. PµP°PeCl'PePjP°P»CHBPSP°
PePsPSC†PµPSC,CtjP°C†C-Cl PiPµCtjPePSPPrPsPiCtjPeP»P°C,Cf Cf PiP»P°P·PjC- PeCtjPsPIC-
PrPsCl'ClPiP°C”C,CHCl'Cl C†PµCtjPµP· 3вґ“4 PiPsPrPePSPē PiC-Cl'P»Cl PiCtjPePNēPsPjCf.

PµCtjPePNēPsPj C—P¶C- P·PjPµPSCēCfC” PiPµCtjPµC,PIPsCtjPµPSPSCl
PiPµCtjPePSPPrPsPiCtjPeP»Cf Cf PiPµCtjPePSPPrPsPiCtjPeP»P°C,, PsC,P¶Pµ,
P·PjPµPSCēCfC”C,CHCl'Cl PNēPsPiPs P±C-PsPrPsCl'C,CfPiPSC-Cl'C,CH, C,PsPjCf PrPsP±PsPICf
PrPsP·Cf PiPµCtjPePSPPrPsPiCtjPeP»Cf C,PµCtjC,-P±CfC,PēP»P°PjC-PSCf
CtjPµPePsPjPµPSPPrCfC”C,CHCl'Cl PiCtjPePNēPjP°C,Pē PsPrPSPsCtjP°P·PsPIPs PICtjP°PSC†C-
PiPµCtjPµPr C—PrPsCH.

P PsP·PiPsPrC-P»

P'C-PrP·PSP°C†P°C”C,CHCl'Cl P»C-PSC-PNēPSP° P·P°P»PµP¶PSC-Cl'C,CH PjC-P¶ PrPsP·PsCH
PiPµCtjPePSPPrPsPiCtjPeP»Cf C- PNēPsPiPs PePsPSC†PµPSC,CtjP°C†C-C”CH Cf PiP»P°P·PjC-

PeC₇PsPIC-. PhP±BTMC" Pj C₇PsP·PīPsPrC-P»C₇ PSpμP·PIBTMC₇P·P°PSPsPiPs
PīPμC₇PēPSPPrPsPīC₇PēP»P°C, C₇ C₇C, P°PSPsPIPēC, CH PīC₇PēP±P»PēP·PSPs 0,2 P»/PePi.

P—PIBTMC₇P·C₇PIP°PSPSC₇ PīPμC₇PēPSPPrPsPīC₇PēP»P°C, C₇ P· P±C-P»PeP°PjPē PīP»P°P·PjPē
PeC₇PsPIC- C₇C, P°PSPsPIPēC, CH 20 %, PiPsP»PsPIPSPēPj C₇PēPSPsPj P·
P°PSPiC-PsC, PμPSP·PēPSPiPμC₇PμC, PIPsC₇CHPIP°P»CHPSPēPj C,, PμC₇PjPμPSC, PsPj, P°P»Pμ
C₇PμPn₀ PīPsPeP°P·PSPēPe C" PrPsP·PsP·P°P»PμP[¶]PSPēPj.

P'PēPIPμPrPμPSPSC₇

PμPμC₇PēPSPPrPsPīC₇PēP»P°C, PIPēPIPPrPēC, CHC₇C₇ C-P· C₇PμC₇PμC₇. PμPμC₇C-PsPr
PsC₇C, P°C, PsC₇PSPsPiPs PSp°PīC-PIPIPēPIPμPrPμPSPSC₇ PSpμP·PIBTMC₇P·P°PSPsC—
C,, C₇P°PeC₇C-C— C₇C, P°PSPsPIPēC, CH PīC₇PēP±P»PēP·PSPs 17 PiPsPrPēPS. P₇C, P°PrC-C₇
C₇C-PIPSPsPIP°P[¶]PSPsC— PePsPSC₇PμPSC, C₇P°C₇C-C— C₇ PīP»P°P·PjC- PeC₇PsPIC-
PSP°C₇C, P°C" C₇PμC₇PμP· 4 PrPSC- PIC-Pr PīPsC₇P°C, PeC₇ P»C-PeC₇PIP°PSPSC₇.

P'PēPIPμPrPμPSPSC₇ PīPμC₇PēPSPPrPsPīC₇PēP»P°C, C₇ C₇PīPsPIC-P»CHPSC₇C" C, CHC₇C₇ C₇
PīP°C₇C-C" PSC, C-PI P»C-C, PSCHPsPiPs PIC-PeC₇, P° C, P°PePsP[¶] C₇ PīP°C₇C-C" PSC, C-PI C-P·
C₇PμC₇C₇PμPIPSC₇ P°P±Ps PSPēC₇PePsPIPSC₇ PSpμPrPsC₇C, P°C, PSC-C₇C, C₇ (PrPēPI.
C₇PsP·PrC-P» B«PhC₇PsP±P»PēPIPSC₇C, C- P·P°C₇C, PsC₇C₇PIP°PSPSC₇B»). P₇PsPjC₇
P·PIPēC₇P°Pn₀PSPμ PjPμPrPēC₇PSPμ C₇PīPsC₇C, PμC₇PμP[¶]PμPSPSC₇ P±C₇PrPμ
PIPeP»CHC₇P°C, Pē C₇P°C₇C, PēPn₀ PjPsPSC-C, PsC₇PēPSPi C₇C-PIPSC₇ PeC₇PμP°C, PēPSC-PSC₇
C, P° PeP°P»C-C₇.

PμPμC₇C-PSPePsPIP° PSpμPrPsC₇C, P°C, PSC-C₇C, CH

P" C-P°P»C-P·PSPēPn₀ PeP»C-C₇PμPSC₇ PīPμC₇PēPSPPrPsPīC₇PēP»P°C, C₇ B₇" 70 PjP»/C...PI.

P₇C-PSPμC, PēPeP° PīPμC₇PēPSPPrPsPīC₇PēP»C₇ P·PjC-PSC₇C" C, CHC₇C₇ C₇ C...PIPSC₇PēC...
PSP° C₇PēC₇PsP· PīPμC₇C-PSPePē: PīPμC₇C-PSPePsPIPēPn₀ PeP»C-C₇PμPSC₇
PīPμC₇PēPSPPrPsPīC₇PēP»C₇ P·PjPμPSC₇C₇C, CHC₇C₇ PIPrPIC-C₇C-. PhPrPSP°Pe
PeC-P»CHPeC-C₇C, CH PīPμC₇PēPSPPrPsPīC₇PēP»P°C, C₇, C%Ps C₇C, PIPsC₇CHC" C, CHC₇C₇,
PSPμ P·PjPμPSC₇C₇C, CHC₇C₇. PhC, P[¶]Pμ, C, P°PePēPj C...PIPSC₇PēPj PSPμ PīPsC, C₇C-P±PSPs
PePsC₇PēPīC₇PIP°P, Pē PrPsP·C₇ (PrPēPI. C₇PsP·PrC-P» B«PhC₇PsP±P»PēPIPSC₇C, C-
P·P°C₇C, PsC₇C₇PIP°PSPSC₇B»).

PhPjP»PsPrPēPīC-PS

PhP±C₇PsC₇P±C₇C-C₇, C₇PsP·PīPsPrC-P», P·PIBTMC₇P·C₇PIP°PSPSC₇ P· P±C-P»PeP°PjPē
PīP»P°P·PjPē PeC₇PsPIC-

PμC-C₇P»C₇ PīPμC₇PsC₇P°P»CHPSPsPiPs PīC₇PēPn₀PsPjC₇ C, PμC₇P°PīPμPIC, PēC₇PSPēC...
PrPsP· P°PjP»PsPrPēPīC-PSC₇ PIC-PS PrPsP±C₇Pμ PIC₇PjPsPeC, C₇C" C, CHC₇C₇ C-
PrPsC₇C₇PiP°C" PjP°PeC₇PēPjP°P»CHPSPsC— PePsPSC₇PμPSC, C₇P°C₇C-C— C₇ PeC₇PsPIC-
C₇PμC₇PμP· 6B₇" 12 PiPsPrPēPS PīC-C₇P»C₇ PīC₇PēPn₀PsPjC₇. PhP±C₇PsP»CHC, PSP°
P±C-PsPrPsC₇C, C₇PīPSC-C₇C, CH C₇C, P°PSPsPIPēC, CH PIC-Pr 64 PrPs 80 %. PhP±BTMC" Pj
C₇PsP·PīPsPrC-P»C₇ C₇C, P°PSPsPIPēC, CH PīC₇PēP±P»PēP·PSPs 21 P»/PePi.
P"PsC₇P»C-PrP[¶]PμPSPSC₇ in vitro PīC₇PsPrPμPjPsPSC₇C, C₇C₇PIP°P»Pē, C%Ps
PīC₇PēP±P»PēP·PSPs 97,5 % C₇PēC₇PeC₇P»CHCHC₇PsPiPs PI PeC₇PsPIC-
P°PjP»PsPrPēPīC-PSC₇ P·PIBTMC₇P·C₇C" C, CHC₇C₇ P· P±C-P»PeP°PjPē PīP»P°P·PjPē
PeC₇PsPIC-.

PμC₇PēPn₀PsPj C—P[¶]C- PSPμ PIPiP»PēPIP°C" PSP° P±C-PsPrPsC₇C, C₇PīPSC-C₇C, CH

P°PjP»PsPrPëPïC-PSCř.

P'C-PsC,CHP°PSCřC,,PsCHPjP°C†C-ClI/PIPëPIPµPrPµPSPSCII

PµPµCHC-PsPr PSP°PïC-PIPIPëPIPµPrPµPSPSCII C-P. PïP»P°P·PjPë PeCHPsPIC-
CřC,P°PSPsPIPëC,CH PïCHPëP±P»PëP·PSPs 35вґ”50 PiPsPrPëPS, C%°Ps PrP°C” P·PjPsPiCř
PïCHPëP·PSP°C†P°C,Pë P»C-PeP°CHCřCHPePëPN₂ P·P°CřC-P± PsPrPëPS CHP°P· PSP° PrPsP±Cř.

PһPjP»PsPrPëPïC-PS PiPsP»PsPIPSPëPj C†PëPSPsPj PjPµC,P°P±PsP»C-P·CřC”C,CHCřCII Cř
PïPµC†C-PSC†C- P· CřC,PIPsCHPµPSPSCII Pj PSPµP°PeC,PëPIPSPëC... PjPµC,P°P±PsP»C-C,C-PI.
60 % PjPµC,P°P±PsP»C-C,C-PI PIPëPIPsPrPëC,CHCřCII C-P· CřPµC†PµCH C- 10 % вґ” Cř
PSPµP·PjC-PSPµPSPsPjCř PIPëPiP»CIIPrC-.

PµP°C†C-C”PSC,Pë P»C-C,PSCHPsPiPs PIC-PeCř

PşP°Cř PrPsCřCII PiPSPµPSPSCII PjP°PeCřPëPjP°P»CHPSPsC— PePsPSC†PµPSC,CHP°C†C-C—
P°PjP»PsPrPëPïC-PSCř Cř PïP»P°P·PjC- PeCHPsPIC- Cř C...PIPsCHPëC... P»C-C,PSCHPsPiPs
PIC-PeCř C- PjPsP»PsPrCëPëC... PïP°C†C-C”PSC,C-PI C” PsPrPSP°PePsPIPëPj. Pj
PïP°C†C-C”PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCř PIC-PrP·PSP°C†P°C”C,CHCřCII
C,PµPSPPrPµPSC†C-ClI PrPs P·PSPëP¶PµPSPSCII PeP»C-CHPµPSCřCř P°PjP»PsPrPëPïC-PSCř C-,
PIC-PrPïPsPIC-PrPSPs, P·P±C-P»CHCëPµPSPSCII PïPsPeP°P·PSPëPeP° AUC C,P°
PïPµCHC-PsPrCř PSP°PïC-PIPIPëPIPµPrPµPSPSCII. PµC-PrPIPëC%°PµPSPSCII
PïPsPeP°P·PSPëPeC-PI AUC C,P° PïPµCHC-PsPrCř PSP°PïC-PIPIPëPIPµPrPµPSPSCII Cř
PïP°C†C-C”PSC,C-PI C-P· P·P°CřC,C-PN₂PSPsCH CřPµCHC†PµPIPsCH
PSPµPrPsCřC,P°C,PSC-CřC,CH PIC-PrPïPsPIC-PrP°P»Ps PIC-PePsPIPëPj
PsCřPsP±P»PëPIPsCřC,ClI Pj PrPsCřP»C-PrP¶CřPIP°PSPëC... PïP°C†C-C”PSC,C-PI.

PµPµC†C-PSPePsPIP° PSPµPrPsCřC,P°C,PSC-CřC,CH

P†CřPSCřC” PrCřP¶Pµ PsP±PjPµP¶PµPSP° PeC-P»CHPeC-CřC,CH PeP»C-PSC-C†PSPëC...
PrP°PSPëC... C%°PsPrPs P·P°CřC,PsCřCřPIP°PSPSCII P°PjP»PsPrPëPïC-PSCř PïP°C†C-C”PSC,P°Pj
C-P· PïPsCHCřCëPµPSPSCII Pj C,,CřPSPeC†C-C— PïPµC†C-PSPePë. Pj PïP°C†C-C”PSC,C-PI C-P·
PïPµC†C-PSPePsPIPsCH PSPµPrPsCřC,P°C,PSC-CřC,CH PeP»C-CHPµPSCř P°PjP»PsPrPëPïC-PSCř
P·PSPëP¶CřC”C,CHCřCII вґ” C†Pµ PïCHPëP·PIPsPrPëC,CH PrPs PïPsPrPsPIP¶PµPSPSCII
PïPµCHC-PsPrCř PSP°PïC-PIPIPëPIPµPrPµPSPSCII C,P° PïC-PrPIPëC%°PµPSPSCII
PïPsPeP°P·PSPëPeP° AUC PïCHPëP±P»PëP·PSPs PSP° 40вґ”60 %.

РљР»C-PSC-C†PSC- C...P°CHP°PeC,PµCHPëCřC,PëPePë.

PµPsPeP°P·P°PSPSCII.

PһCHC,PµCHC-P°P»CHPSP° PïC-PïPµCHC,PµPSP·C-ClI C,P°/P°P±Ps C-CëPµPjC-C†PSP°
C...PIPsCHPsP±P° CřPµCHC†CII (ClI PeC%°Ps PSPµPsP±C...C-PrPSPµ P»C-PeCřPIP°PSPSCII
PïPµCHPëPSPPrPsPïCHPëP»PsPj C,P° P°PjP»PsPrPëPïC-PSPsPj).

PµCHPsC,PëPïPsPeP°P·P°PSPSCII.

PµPsPIвґ” CII P·P°PSC- P· PïPµCHPëPSPPrPsPïCHPëP»PsPj:

- $PuPsPI\theta\eta^{\text{TM}}C\uparrow P\cdot P^{\circ}PSC-P\cdot P^{\circ}PjP\gg PsPrP\ddot{e}P\ddot{i}C-PSPsPj:$

(PSP°PīCḡPēPeP»P°Pr, CÍC,PμPSPsP· P°PsCḡC,Pē C,CḡP¶PePsPiPs CÍC,CrPīPμPSCḡ);

- CÍPμCḡC†PμPIP° PSPμPrPsCÍC,P°C,PSC-CÍC,CH PiC-CÍP»Cḡ PiPsCÍC,CḡPsPiPs C-PSC„P°CḡPeC,Cr PjC-PsPeP°CḡPrP° P· PSPμCÍC,P°P±C-P»CHPSPsCḡ PiPμPjPsPrPēPSP°PjC-PePsCḡ.

PμPsPiBḡ™ CḡP·P°PSC- P· P»C-PeP°CḡCÍCHPePēPj P·P°CÍPsP±PsPj PμPsCḡPrPμCḡC-Cḡ PḡPḡ:

Бḡ“ CrCÍC- PIPēC%PμP·P°P·PSP°C†PμPSC- PiCḡPsC,PēPiPsPeP°P·P°PSPSCḡ, PiPsPiBḡ™ CḡP·P°PSC- P· PsPeCḡPμPjPēPjPē PePsPjPiPsPSPμPSC,P°PjPē C„C-PeCÍPsPIP°PSPsC— PePsPjP±C-PSP°C†C-C— PμPsCḡPrPμCḡC-Cḡ PḡPḡ;

- PiC-PrPIPēC%PμPSP° C†CÍC,P»PēPIC-CÍC,CH PrPs P±CÍPrCH-CḡPePsC— PrPsPiPsPjC-P¶PSPsC— CḡPμC†PsPIPēPSPē.

P·P·P°C”PjPsPrC-Cḡ P· C-PSC€PēPjPē P»C-PeP°CḡCÍCHPePēPjPē P·P°CÍPsP±P°PjPē C,P° C-PSC€C- PIPēPrPē PIP·P°C”PjPsPrC-PNē.

P·P·P°C”PjPsPrC-C—, PiPsPiBḡ™ CḡP·P°PSC- P· PiPμCḡPēPSPrPsPiCḡPēP»PsPj

P”P°PSC- PeP»C-PSC-C†PSPēC... PrPsCÍP»C-PrP¶PμPSCḡ CÍPIC-PrC†P°C,CH, C%Ps PiPsPrPIC-PNēPSP° P±P»PsPeP°PrP° CḡPμPSC-PS-P°PSPiC-PsC,PμPSP·PēPs- P°P»CHPrPsCÍC,PμCḡPsPSPsPiPsC— CÍPēCÍC,PμPjPē (P PḡPḡPḡ) C€P»CḡC...PsPj PsPrPSPsC†P°CÍPSPsPiPs PiCḡPēPNēPsPjCr C-PSPiC-P±C-C,PsCḡC-PI PḡPμPα, P±P»PsPeP°C,PsCḡC-PI CḡPμC†PμPiC,PsCḡC-PI P°PSPiC-PsC,PμPSP·PēPSCr P†P† P°P±Ps P°P»C-CÍPeC-CḡPμPSCr P°CÍPsC†C-CḡC”C,CHCÍCḡ P· P±C-P»CHC€ PIPēCÍPsPePsCḡ C†P°CÍC,PsC,PsCḡ PiPsP±C-C†PSPēC... CḡPμP°PeC†C-PNē, C,P°PePēC... CḡPe PiC-PiPsC,PμPSP·C-Cḡ, PiC-PiPμCḡPeP°P»C-C”PjC-Cḡ C,P° P·PSPēP¶PμPSPSCḡ C„CrPSPeC†C-C— PSPēCḡPsPe (PIPeP»CḡC†P°CḡC†Pē PiPsCÍC,CḡCr PSPēCḡPePsPICr PSPμPrPsCÍC,P°C,PSC-CÍC,CH), PiPsCḡC-PIPSCḡPSPs C-P· P·P°CÍC,PsCÍCrPIP°PSPSCḡPj PsPrPSPsPiPs P»C-PeP°CḡCÍCHPePsPiPs P·P°CÍPsP±Cr, C%Ps PIPiP»PēPIP°C” PSP° P PḡPḡPḡ (PrPēPI. CḡPsP·PrC-P»Pē B«PμCḡPsC,PēPiPsPeP°P·P°PSPSCḡB» C,P° B«PḡCÍPsP±P»PēPIPSCÍC,C- P·P°CÍC,PsCÍCrPIP°PSPSCḡB»).

P>C-PeP°CḡCÍCHPeC- P·P°CÍPsP±Pē, C%Ps PiC-PrPIPēC%C¿CḡC,CH CḡPēP·PēPe CḡPsP·PIPēC,PeC¿ P°PSPiC-PsPSPμPICḡPsC,PēC†PSPsPiPs PSP°P±CḡCḡPeC¿. PḡPrPSPsC†P°CÍPSPμ P·P°CÍC,PsCÍCrPIP°PSPSCḡ C-PSPiC-P±C-C,PsCḡC-PI PḡPμPα C-P· CÍP°PeC†P±C-C,CḡPēP»PsPj/PIP°P»CÍP°CḡC,P°PSPsPj PiCḡPsC,PēPiPsPeP°P·P°PSPμ, PsCÍPeC-P»CHPePē C†Pμ PiC-PrPIPēC%CrC” CḡPēP·PēPe CḡPsP·PIPēC,PeCÍ P°PSPiC-PsPSPμPICḡPsC,PēC†PSPsPiPs PSP°P±CḡCḡPeCÍ. P PsP·PiPsC†PēPSP°C,Pē P·P°CÍC,PsCÍCrPIP°PSPSCḡ CÍP°PeC†P±C-C,CḡPēP»Cr/PIP°P»CÍP°CḡC,P°PSCr CÍP»C-Pr PSPμ CḡP°PSC-C€Pμ PSC-P¶ C†PμCḡPμP· 36 PiPsPrPēPS PiC-CÍP»Cḡ PiCḡPēPNēPsPjCr PsCÍC,P°PSPSCHPsC— PrPsP·Pē PiPμCḡPēPSPrPsPiCḡPēP»Cr. PḡPμCḡP°PiC-Cḡ PiPμCḡPēPSPrPsPiCḡPēP»PsPj CÍP»C-Pr CḡPsP·PiPsC†PēPSP°C,Pē PSPμ CḡP°PSC-C€Pμ PSC-P¶ C†PμCḡPμP· 36 PiPsPrPēPS PiC-CÍP»Cḡ PiCḡPēPNēPsPjCr PsCÍC,P°PSPSCHPsC— PrPsP·Pē CÍP°PeC†P±C-C,CḡPēP»Cr/PIP°P»CÍP°CḡC,P°PSCr (PrPēPI. CḡPsP·PrC-P»Pē B«PμCḡPsC,PēPiPsPeP°P·P°PSPSCḡB» C,P° B«PḡCÍPsP±P»PēPIPSCÍC,C- P·P°CÍC,PsCÍCrPIP°PSPSCḡB»).

PḡPrPSPsC†P°CÍPSPμ P·P°CÍC,PsCÍCrPIP°PSPSCḡ C-PSPiC-P±C-C,PsCḡC-PI PḡPμPα P·

PiPμPjPsC,,C-P»CHC,CḡP°C†C-Cḡ P· PIPëPePsCḡPëC†C,P°PSPSCḡPj PīPμPIPSPëC...
PjPμPjP±CḡP°PS C-P· PIPëC†PsPePsCḡ PiC-PrCḡP°PIP»C-C†PSPsCḡ PiCḡPsPSPëPePSC-C†C,Cḡ
(PSP°PīCḡPëPeP»P°Pr, PīPsP»C-P°PeCḡPëP»PsPSC-C,CḡPëP»PsPIPëC...) C,P° P°C,,PμCḡPμP·
P»C-PīPsPīCḡPsC,PμC—PrC-PI PSPëP·CHPePsC— C%oC-P»CHPSPsC†C,C- C-P·
P·P°C†C,PsC†C†PIP°PSPSCḡPj PrPμPeC†C,CḡP°PSC† C†C†P»CHC,,P°C,C†,
PīC-PrPIPëC%oC†CḡC,Cḡ CḡPëP·PëPe CḡPsP·PIPëC,PeC† P°PSP°C,,C-P»P°PeC,PsC—PrPSPëC...
CḡPμP°PeC†C-PNḡ C,CḡPḡPḡPePsPiPs C†C,C†PīPμPSCḡ (PrPëPI. CḡPsP·PrC-P»
B«PμCḡPsC,PëPīPsPeP°P·P°PSPSCḡB»). Pj CḡP°P·C- PSPμPsP±C...C-PrPSPsC†C,C-
PīCḡPsPIPμPrPμPSPSCḡ C,P°PePsPiPs P»C-PeC†PIP°PSPSCḡ C†P»C-Pr CḡPsP·PiP»CḡPSC†C,Pë
PjPsPḡP»PëPIC-C†C,Cḡ PIPëPePsCḡPëC†C,P°PSPSCḡ PrC-P°P»C-P·PSPsC— PjPμPjP±CḡP°PSPë
C-PSC€PsPiPs C,PëPīC† P°P±Ps P·P°C†C,PsC†C†PIP°PSPSCḡ C-PSC€PsPiPs PeP»P°C†C†
P°PSC,PëPiC-PīPμCḡC,PμPSP·PëPIPSPëC... P·P°C†PsP±C-PI.

PḡPμ CḡPμPePsPjPμPSPrCḡC,,CḡC†Cḡ PsPrPSPsC†P°C†PSPμ P·P°C†C,PsC†CḡPIP°PSPSCḡ
(PrPëPI. CḡPsP·PrC-P» B«PḡC†PsP±P»PëPIPsC†C,C- P·P°C†C,PsC†CḡPIP°PSPSCḡB»)

PḡP»C-C†PeC-CḡPμPS. Pj P±C†PrCH-CḡPePëC... C-PSC€PëC... PīP°C†C-C°PSC,C-PI, CḡPe C-
C† C...PIPsCḡPëC... PSP° C†C†PeCḡPsPIPëPNḡ PrC-P°P±PμC, P°P±Ps PīP°C†C-C°PSC,C-PI P·
PīPsCḡC†C€PμPSPsCḡ C,,C†PSPeC†C-C°Cḡ PSPëCḡPsPe, CḡPëP·PëPe PIPëPSPëPePSPμPSPSCḡ
PiC-PīPμCḡPeP°P»C-C°PjC-C—, PīPsPiC-CḡC€PμPSPSCḡ C,,C†PSPeC†C-C— PSPëCḡPsPe C,P°
PeP°CḡPrC-PsPIP°C†PeC†P»CḡCḡPSPsC— P·P°C...PIPsCḡCḡPIP°PSPsC†C,C- C-
P»PμC,P°P»CHPSPsC†C,C- PiC-PrPIPëC%oC†C,,CḡC†Cḡ.

P—P° PsPīC†P±P»C-PePsPIP°PSPëPjPë PrP°PSPëPjPë PIC-PrPsPjPs, C%oPs C†
PīP°C†C-C°PSC,C-PI P·C- PIC†C,P°PSPsPIP»PμPSPëPj P°C,PμCḡPsC†PeP»PμCḡPsP·PsPj,
C†PμCḡC†PμPIPsCḡ PSPμPrPsC†C,P°C,PSC-C†C,Cḡ P°P±Ps C†C†PeCḡPsPIPëPj
PrC-P°P±PμC,PsPj P· C†CḡP°PḡPμPSPSCḡPj PsCḡPiP°PSC-PI-PjC-C€PμPSPμPNḡ
PsPrPSPsC†P°C†PSPμ P·P°C†C,PsC†C†PIP°PSPSCḡ C-PSPiC-P±C-C,PsCḡC-PI PḡPμPα C-
P±P»PsPeP°C,PsCḡC-PI CḡPμC†PμPīC,PsCḡC-PI P°PSPiC-PsC,PμPSP·PëPSC†
C†C†PīCḡPsPIPsPrPḡC†PIP°P»PsC†Cḡ PiC-PrPIPëC%oPμPSPSCḡPj C†P°C†C,PsC,Pë
PIPëPSPëPePSPμPSPSCḡ P°CḡC,PμCḡC-P°P»CHPSPsC— PiC-PīPsC,PμPSP·C-C—,
PSPμPīCḡPëC,PsPjPSPsC†C,C-, PiC-PīPμCḡPeP°P»C-C°PjC-C— C,P° PīPsPiC-CḡC€PμPSPSCḡPj
C,,C†PSPeC†C-C— PSPëCḡPsPe (C† C,PsPjC† C†PëC†P»C- PiPsC†C,CḡPsC— PSPëCḡPePsPIPsC—
PSPμPrPsC†C,P°C,PSPsC†C,C-) PīPsCḡC-PIPSḡPSPs P· PjPsPSPsC,PμCḡP°PiC-C°Cḡ
P»C-PeP°CḡC†CHPePëPjPë P·P°C†PsP±P°PjPë, C%oPs PIPīP»PëPIP°CḡC,Cḡ PSP° CḡPμPSC-PS-
P°PSPiC-PsC,PμPSP·PëPS-P°P»CHPrPsC†C,PμCḡPsPSPsPIC† C†PëC†C,PμPjC†.
PμPsPrPIC-PNḡPSP° P±P»PsPeP°PrP° (C,PsP±C,Ps PePsPjP±C-PSP°C†C-Cḡ
C-PSPiC-P±C-C,PsCḡC† PḡPμPα P· P°PSC,P°PiPsPSC-C†C,P°PjPë CḡPμC†PμPīC,PsCḡC-PI
P°PSPiC-PsC,PμPSP·PëPSC† P†P†) PjPsPḡPμ P±C†C,Pë P·P°C†C,PsC†PsPIP°PSP° PI
C-PSPrPëPIC-PrC†P°P»CHPSPëC... PIPëPīP°PrPeP°C... P· CḡPμC,PμP»CHPSPëPj
PePsPSC,CḡPsP»PμPj C,,C†PSPeC†C-C— PSPëCḡPsPe, CḡC-PIPSḡCḡ PeP°P»C-Cḡ C,P°
P°CḡC,PμCḡC-P°P»CHPSPsPiPs C,PëC†PeC†.

P·C†C,CḡP°PjCḡC†C,PëPS. P†C†PSC†Cḡ CḡPëP·PëPe P·P±C-P»CHC€PμPSPSCḡ
C†P°C†C,PsC,Pë PIPëPSPëPePSPμPSPSCḡ PīPsP±C-C†PSPëC... CḡPμP°PeC†C-PNḡ, C,P°PePëC...
CḡPe P°PSPiC-PsPSPμPICḡPsC,PëC†PSPëPNḡ PSP°P±CḡCḡPe (P°PSPiC-PsPμPrPμPjP°).

PḡP°P»C-PNḡP·P±PμCḡC-PiP°CḡC†C- PrC-CḡCḡPμC,PëPePë (PSP°PīCḡPëPeP»P°Pr,
C,CḡPëP°PjC,PμCḡPμPS, P°PjC-P»PsCḡPëPr C,P° C-PSC€C-), C†PsP»C- PeP°P»C-Cḡ.
P°PëPSPëPePSPμPSPSCḡ PiC-PīPμCḡPeP°P»C-C°PjC-C— (PjPsPḡP»PëPIPs,
P»PμC,P°P»CHPSPsC—) PsC†PsP±P»PëPIPs C† PīP°C†C-C°PSC,C-PI P· PSPëCḡPePsPIPsCḡ
PSPμPrPsC†C,P°C,PSC-C†C,Cḡ (P°PrPëC,PëPIPSPëPNḡ PiC-PīPμCḡPeP°P»C-C°PjC-C†PSPëPNḡ

РμC,,РμРeC,). Р—Р°Р·РSP°C±РμPSC- Р»C-РeР°CґCґCґРeC- Р·Р°CґРsР±Рө РSPμ
 CґРμРeРsРjРμPSPРsPIP°PSC- РrР»Cґ РsРrPSPsC±Р°CґРSPsPiPs Р·Р°CґC,РsCґCґРPIP°PSPSCґ Р·
 PиРμCґРөPSPРsPiCґРөР»РsРj (РrРөPI. CґРsР·РrC-Р» B«PґCґРsР±Р»РөPIPsCґC,C-
 Р·Р°CґC,РsCґCґРPIP°PSPSCґB»). PhPrPSP°Pe CґРeC%oPs РsРrPSPsC±Р°CґРSPμ
 PиCґРөР·PSP°C±РμPSPSCґ CґРөC... CґРμC±РsPIPөPS C” РSPμРsР±C...C-РrPSPөPj, C—C...
 CґР»C-Рr Р·Р°CґC,РsCґРsPICґРPIP°C,Рө Р· РsР±РμCґРμPґPSC-CґC,Cґ C,Р° PиCґРsPIPsРrРөC,Рө
 C±Р°CґC,РөPNө РeРsPSC,CґРsР»Cґ РeР°Р»C-Cґ PиР»Р°Р·РjРө РeCґРsPIC-. P©РsРrРs
 Р·Р°CґC,РsCґCґРPIP°PSPSCґ CґРиC-CґРsPSPsР»Р°РeC,РsPSCґ PиCґРө CґРμCґCґРμPIC-PNө
 РSPμРrРsCґC,Р°C,РSPsCґC,C- РrРөPI. PиC-РrCґРsР·РrC-Р» B«Р·C-РeР°CґCґCґРeC-
 Р·Р°CґРsР±Рө, РsРrPSPsC±Р°CґРSPμ PиCґРөР·PSP°C±РμPSPSCґ Р· CґРeРөPjРө
 PиPsC,CґРμP±CґC” РsCґРsР±Р»РөPIPsC— CґРPIP°PиРөB».

Р·C-C,C-PNө. PhPrPSPsC±Р°CґРSPөPNө PиCґРөPNөРsРj Р»C-C,C-Cґ C,Р°
 C-РSPиC-Р±C-C,РsCґC-PI PґРμPґ РSPμ CґРμРeРsРjРμPSPРrCґC”C,CґCґCґ C±РμCґРμP·
 РjРsРґP»РөPIC-CґC,Cґ РsР±РsCґРsC,РSPsPiPs Р·Р±C-Р»CґCґРμPSPSCґ
 РeРsPSC±РμPSC,CґР°CґC— Р»C-C,C-Cґ Cґ CґРөCґРsPIP°C,CґC- РeCґРsPIC- C,Р°,
 PIC-РrPиPsPIC-РrPSPs, PиC-РrPIPөC%oРμPSPSCґ PNөРsPiPs C,РsРeCґРөC±РSPsCґC,C-
 (C,CґPґРeРsC— РSPμPNөCґРsC,РsРeCґРөC±РSPsCґC,C-). PhPrPSP°Pe CґРeC%oPs
 РSPμРsР±C...C-РrPSC-CґC,Cґ C,Р°РeРsC— РeРsРjР±C-РSP°CґC-C— C”
 РsР±T’CґCґРPSC,РsPIP°PSPsCґ, PиPsC,CґC-Р±РSPs РeРsPSC,CґРsР»CґРPIP°C,Рө
 РeРsPSC±РμPSC,CґР°CґC-Cґ Р»C-C,C-Cґ Cґ CґРөCґРsPIP°C,CґC- РeCґРsPIC- (РrРөPI.
 CґРsР·РrC-Р» B«PґCґРsР±Р»РөPIPsCґC,C- Р·Р°CґC,РsCґCґРPIP°PSPSCґB»).

Р·C-РeР°CґCґCґРeC- Р·Р°CґРsР±Рө, РsРrPSPsC±Р°CґРSPμ PиCґРөР·PSP°C±РμPSPSCґ Р·
 CґРeРөPjРө PиPsC,CґРμP±CґC” РsCґРsР±Р»РөPIPsC— CґРPIP°PиРө

PиCґРeCґРsР·PSPөPґCґРPIP°Р»CґPSC- Р·Р°CґРsР±Рө (C-PSCґCґР»C-PS,
 PиРμCґРsCґР°Р»CґPSC- CґCґРeCґРsР·PSPөPґCґРPIP°Р»CґPSC- Р·Р°CґРsР±Рө).
 Р·PиC-РrРμPjC-РsР»РsPiC-C±PSC- РrРsCґР»C-РrPґРμPSPSCґ PиCґРөPиCґCґРeР°CґC,Cґ,
 C%oPs РsРrPSPsC±Р°CґРSPμ Р·Р°CґC,РsCґCґРPIP°PSPSCґ C-РSPиC-Р±C-C,РsCґC-PI PґРμPґ C-
 CґCґРeCґРsР·PSPөPґCґРPIP°Р»CґPSPөC... Р·Р°CґРsР±C-PI (C-PSCґCґР»C-PS,
 PиРμCґРsCґР°Р»CґPSC- CґCґРeCґРsР·PSPөPґCґРPIP°Р»CґPSC- Р·Р°CґРsР±Рө) РjРsРґРμ
 PиCґРөР·PIPμCґC,Рө РrРs PиPsCґРөР»РμPSPSCґ CґCґРeCґРsР·PSPөPґCґРPIP°Р»CґPSPsPiPs
 РμC,,РμРeC,Cґ Р· CґРөР·РөРeРsРj CґРsР·PIPөC,РeCґ PиC-PиPsPiP»C-РeРμPjC-C—.
 PґР°PNөC±Р°CґC,C-CґРμ CґРμPNө C,,РμPSPsРjРμPSP РjРsРґРμ PиРөPSPөРeР°C,Рө Cґ PиРμCґCґC-
 C,РөPґPSC- РeРsРjР±C-РSPsPIP°PSPsPiPs Р»C-РeCґРPIP°PSPSCґ C,Р° Cґ CґР°Р·C-
 РSPөCґРeРsPIPsC— РSPμРrРsCґC,Р°C,РSPsCґC,C-.

Р”C-CґCґРμC,РөРeРө. Рj Pи°CґC-C”PSC,C-PI, CґРeC- PиCґРөPNөPjР°CґC,Cґ
 РrC-CґCґРμC,РөРeРө, C,Р° РsCґРsР±Р»РөPIPs Cґ C,РөC..., Cґ РeРsPiPs PиPsCґCґCґРμPSPөPNө
 PIPsРrPSPs-РμP»РμРeC,CґРsР»C-C,РSPөPNө Р±Р°Р»Р°Р»Р°PSCґ, РjРsРґР»РөPIРμ РSP°РrРjC-CґРSPμ
 Р·PSPөPґРμPSPSCґ Р°CґC,РμCґC-Р°Р»CґPSPsPiPs C,РөCґРeCґ PиC-CґР»Cґ PиPsC±Р°C,РeCґ
 Р»C-РeCґРPIP°PSPSCґ C-РSPиC-Р±C-C,РsCґРsРj PґРμPґ. PґРjРsPIC-CґPSC-CґC,Cґ
 CґРsР·PIPөC,РeCґ PиC-PиPsC,РμPSP·РөPIPsPiPs РμC,,РμРeC,Cґ Р·PSPөPґCґC”C,CґCґCґ Cґ
 CґР°Р·C- PIC-РrРjC-РSPө РrC-CґCґРμC,РөРeР°, PиC-РrPIPөC%oРμPSPSCґ РsР±Bґ”C”PjCґ
 CґРөCґРeCґР»CґCґC±PsC— РeCґРsPIC- Р°Р±Рs CґРиPsРґРөPIР°PSPSCґ CґРsР»C- PиРμCґРμP
 PиPsC±Р°C,РeРsРj C,РμCґР°PиC-C— PиРμCґРөPSPРsPiCґРөР»РsРj, CґРeCґ CґР»C-Рr
 CґРsР·PиPsC±РөPSP°C,Рө Р· РSPөР·CґРeРөC... РrРsР· Р· PиPsCґC,CґPиPsPiPөPj
 PиC-РrPIPөC%oРμPSPSCґPj. РμCґРө Р°CґC,РμCґC-Р°Р»CґPSC-PNө PиC-PиРμCґC,РμPSP·C-C—,
 РeРsР»Рө PиPsPiРμCґРμPSPCHPs PиCґРөР·PSP°C±РμPSPөPNө РrC-CґCґРμC,РөРe РjC-PI
 CґРиCґРөC±РөPSPөC,Рө РSPμРrРsCґC,Р°C,PSC-CґC,Cґ PIPsРrРө/РμP»РμРeC,CґРsР»C-C,C-PI,

PN₂PsPiPs PSPμPsP±C...C-PrPSPs PIC-PrPjC-PSPëC,Pë PīPμCḡPμPr PīPsC‡P°C,PePsPj
P»C-PeCfPIP°PSPSCl C-PSPiC-P±C-C,PsCḡPsPj PḡPμPα (Cf C,P°PePëC... PIPëPīP°PrPeP°C...
PīCḡPëPN₂PsPj PrC-CfCḡPμC,PëPeP° PjPsP¶Pμ P±CfC,Pë PīPsPSPsPIP»PμPSPs P· C‡P°CfPsPj)
P°P±Ps PīCḡPëP·PSP°C‡PëC,Pë C-PSPiC-P±C-C,PsCḡ PḡPμPα Cf PSPëP·CḡPeC-PN₂ PrPsP·C- P·
PīPsCfC,CfPīPsPIPëPj C—C— PīC-PrPIPëC%PμPSPSClPj. PμCḡPë P·P°CfC,C-PN₂PSC-PN₂
CfPμCḡC†PμPIC-PN₂ PSPμPrPsCfC,P°C,PSPsCfC,C- PSP° C,P»C- PīCḡPëPN₂PsPjCf
PrC-CfCḡPμC,PëPeP° PīCḡPëPN₂PsPj C-PSPiC-P±C-C,PsCḡCf PḡPμPα CfP»C-Pr
CḡPsP·PīPsC‡PëPSP°C,Pë P· PjC-PSC-PjP°P»CḡPSPsC— PrPsP·Pë, PjPsP¶P»PëPIPs, PīC-CfP»Cf
P·PSPëP¶PμPSPSCl PrPsP·Pë PrC-CfCḡPμC,PëPeP°. Pj P±CfPrCḡ-CfPePsPjCf PIPëPīP°PrPeCf
PSPμPsP±C...C-PrPSPs PePsPSC,CḡPsP»CḡPIP°C,Pë C,,CfPSPeC†C-Cḡ PSPëCḡPsPe
(CḡC-PIPμPSCḡ PeCḡPμP°C,PëPSC-PSCf) PīCḡPsC,CfPiPsPj PīPμCḡCëPëC... C,PëP¶PSC-PI
P»C-PeCfPIP°PSPSCl C-PSPiC-P±C-C,PsCḡPsPj PḡPμPα.

*P₀P°P»C-PN₂P·P±PμCḡC-PiP°CḡC‡C- PrC-CḡCḡPμC,PëPePë (PμPīP»PμCḡPμPSPsPS,
CfPīC-CḡPsPSPsP»P°PeC,PsPS). PḡCfPsP±P»PëPIPsC— CfPIP°PiPë PīPsC,CḡPμP±CfC”
PsPrPSPsC‡P°CfPSPμ P·P°CfC,PsCfCfPIP°PSPSCl PμPīP»PμCḡPμPSPsPSCf P°P±Ps
CfPīC-CḡPsPSPsP»P°PeC,PsPSCf Cf PrPsP·P°C... PIC-Pr 12,5 PjPi PrPs 50 PjPi PSP° PrPsP±Cf P·
PSPëP·CḡPePëPjPë PrPsP·P°PjPë C-PSPiC-P±C-C,PsCḡCf PḡPμPα. Pj CḡP°P·C-
PSPμPrPsC,CḡPëPjP°PSPSCl CḡPμPePsPjPμPSPPrP°C†C-PN₂ C%PsPrPs
PīCḡPëP·PSP°C‡PμPSPSCl C,P°PePsC— PePsPjP±C-PSP°C†C-C— C-CfPSCfC” CḡPëP·PëPe
PIPëPSPëPePSPμPSPSCl PiC-PīPμCḡPeP°P»C-C”PjC-C— (PjPsP¶P»PëPIPs,
P»PμC,P°P»CḡPSPsC—) PīC-Pr C‡P°Cf P»C-PeCfPIP°PSPSCl PīP°C†C-C”PSC,C-PI C-P·
CfPμCḡC†PμPIPsCḡ PSPμPrPsCfC,P°C,PSC-CfC,Cḡ P†P†ḡP”P†V PeP»P°CfCf NYHA C,P°
C,,CḡP°PeC†C-C”Cḡ PIPëPePëPrCf < 40 %, CfPeC- CḡP°PSC-CëPμ P»C-PeCfPIP°P»PëCfCf
C-PSPiC-P±C-C,PsCḡPsPj PḡPμPα C,P° PīPμC,P»CḡPsPIPëPj PrC-CfCḡPμC,PëPePsPj.
PμPμCḡPμPr PīCḡPëP·PSP°C‡PμPSPSClPj C,P°PePsC— PePsPjP±C-PSP°C†C-C— CfP»C-Pr
CfPīPμPIPSPëC,PëCfCf Cf PIC-PrCfCfC,PSPsCfC,C- PiC-PīPμCḡPeP°P»C-C”PjC-C— C,P°
PīPsCḡCfCëPμPSPSCl C,,CfPSPeC†C-C— PSPëCḡPsPe. P PμPePsPjPμPSPPrPsPIP°PSPs
PīCḡPsPIPsPrPëC,Pë CḡPμC,PμP»CḡPSPëPN₂ PjPsPSC-C,PsCḡPëPSPi PeP°P»C-C”PjC-C— C-
PeCḡPμP°C,PëPSC-PSPμPjC-C— C%PsC,PëP¶PSPμPIPs PīC-Pr C‡P°Cf PīPμCḡCëPsPiPs
PjC-CfCfC†Cf P»C-PeCfPIP°PSPSCl C,P° C%PsPjC-CfCfC‡PSPs PSP°PrP°P»C-.*

*PkPμCfC,PμCḡPsC—PrPSC- PīCḡPsC,PëP·P°PīP°P»CḡPSC- P»C-PeP°CḡCfCḡPeC-
P·P°CfPsP±Pë (PkPμP—P—), Cḡ C,PsPjCḡ C‡PëCfP»C- P°C†PμC,PëP»CfP°P»C-C†PëP»PsPIP°
PePëCfP»PsC,P° ≥ 3 Pi PSP° PrPsP±Cḡ. PḡPsP¶P»PëPIPμ PīPsCfP»P°P±P»PμPSPSCl
P°PSC,PëPiC-PīPμCḡC,PμPSP·PëPIPsPiPs PμC,,PμPeC,Cf PīC-Pr C‡P°Cf
PsPrPSPsC‡P°CfPSPsPiPs P·P°CfC,PsCfCfPIP°PSPSCl C-PSPiC-P±C-C,PsCḡC-PI PḡPμPα P·
PkPμP—P—, C,P°PePëPjPë CfPe: P°C†PμC,PëP»CfP°P»C-C†PëP»PsPIP° PePëCfP»PsC,P° Cf
PīCḡPsC,PëP·P°PīP°P»CḡPSPëC... PrPsP·P°C..., C-PSPiC-P±C-C,PsCḡPë P|PhP”-2,
PSPμCfPμP»PμPeC,PëPIPsC- PkPμP—P—. PḡPrPSPsC‡P°CfPSPμ P·P°CfC,PsCfCfPIP°PSPSCl
C-PSPiC-P±C-C,PsCḡC-PI PḡPμPα C- PkPμP—P— PjPsP¶Pμ PīCḡPëP·PIPμCfC,Pë PrPs
PiC-PrPIPëC%PμPSPSCl CḡPëP·PëPeCf PīPsPiC-CḡCëPμPSPSCl C,,CfPSPeC†C-C—
PSPëCḡPsPe, Cf C,PsPjCf C‡PëCfP»C- C-PjPsPIC-CḡPSPsCfC,C- CḡPsP·PIPëC,PeCf
PiPsCfC,CḡPsC— PSPëCḡPePsPIPsC— PSPμPrPsCfC,P°C,PSPsCfC,C-, PīC-PrPIPëC%PμPSPSCl
CḡC-PIPSCl PeP°P»C-Cḡ Cf PīP»P°P·PjC- PeCḡPsPIC-, PsCfPsP±P»PëPIPs Cf
PīP°C†C-C”PSC,C-PI C-P· PīPsCḡCfCëPμPSPSClPj C,,CfPSPeC†C-C— PSPëCḡPsPe PI
P°PSP°PjPSPμP·C-. PḡP°PeCf PePsPjP±C-PSP°C†C-Cḡ CfP»C-Pr PīCḡPëP·PSP°C‡P°C,Pë P·
PsP±PμCḡPμP¶PSC-CfC,Cḡ, P·PsPeCḡPμPjP° PīP°C†C-C”PSC,P°Pj P»C-C,PSḡPsPiPs PIC-PeCf.
Pj PīP°C†C-C”PSC,C-PI PSPμPsP±C...C-PrPSPs PIC-PrPSPsPIPëC,Pë PIPsPrPSPëPN₂
P±P°P»P°PSCf C,P° PePsPSC,CḡPsP»CḡPIP°C,Pë C,,CfPSPeC†C-Cḡ PSPëCḡPsPe PSP°
PīPsC‡P°C,PeCf P»C-PeCfPIP°PSPSCl C,P°PePsCḡ PePsPjP±C-PSP°C†C-C”Cḡ C-*

ΠῖΠμCῤC-PsPrPēC‡PSPs ΠῖCῤPsPrPsPIP¶ P»C-PeCfPIP°PSPSCῤ.

P»C-PeP°CῤCfCῤPeC- P·P°CfPsP±Pē, PsPrPSPsC‡P°CfPSPμ ΠῖCῤPēP·PSP°C‡PμPSPSCῤ P·CῤPePēPjPē ΠῖPsC,CῤPμP±CzC” CzPIP°ΠῖPē

PŸPēPjΠῖP°C,PspjC-PjPμC,PēPePē PjPsP¶CfC,CH ΠῖPsCfP»P°P±P»CῤPIP°C,Pē P°PSC,PēΠῖC-ΠῖΠμCῤC,PμPSP·PēPIPSCf PrC-Cῤ C-PSPῖC-P±C-C,PscῤC-Πῖ PḥPμPα.

P—PsP»PsC,Ps. PμCῤPē PsPrPSPsC‡P°CfPSPsPjCf P·P°CfC,PsCfCfPIP°PSPSC- C-PSPῖC-P±C-C,PscῤC-Πῖ PḥPμPα, ΠῖPeP»CῤC‡P°CῤC‡Pē ΠῖΠμCῤPēPSPPrPsΠῖCῤPēP», C- C-PSBῤ™ C”PeC‡C-PNēPSPēC... P»C-PeP°CῤCfCῤPePēC... P·P°CfPsP±C-Πῖ P·PsP»PsC,P° (PSP°C,CῤC-Cῤ P°CfCῤPsC,C-PspjP°P»P°C,) CῤC-PrPePs PjPsP¶CfC,CH ΠῖPēPSPēPePSCfC,Pē CῤPμP°PeC‡C-C—, ΠῖPsPrC-P±PSC- PrPs C,PēC..., C%Ps ΠῖPēPSPēPeP°CῤC,CH ΠῖCῤPē P·P°CfC,PsCfCfPIP°PSPSC- PSC-C,CῤP°C,C-Πῖ (ΠῖPsC‡PμCῤPIPSPSC-PSPSCῤ PsP±P»PēC‡C‡Cῤ, ΠῖCῤPēΠῖP»PēPIPē, PSCfPrPsC,P°, P±P»CῤPIP°PSPSCῤ C,P° ΠῖC-ΠῖPsC,PμPSP·C-Cῤ).

P·P·P°C”PjPsPrC-C—, ΠῖPsΠῖBῤ™ CῤP·P°PSC- P·P°PjP»PsPrPēΠῖC-PSPsPj

PkPμ CῤPμPePsPjPμPSPrCzC”C,CHCfCῤ PsPrPSPsC‡P°CfPSPμ P·P°CfC,PsCfCzPIP°PSPSCῤ

P”P°PSC,CῤPsP»PμPS (C-PSC,,CzP·C-Cῤ). P’ PμPeCfΠῖΠμCῤPēPjPμPSC,P°P»CHPSPēC... PrPsCfP»C-PrP¶PμPSPSCῤC... ΠῖC-CfP»Cῤ P·P°CfC,PsCfCfPIP°PSPSCῤ ΠῖΠμCῤP°ΠῖP°PjC-P»Cf C- PrP°PSC,CῤPsP»PμPSCf PIPSCfC,CῤC-CēPSCῤPsΠῖPμPSPSPs CfΠῖPsCfC,PμCῤC-ΠῖP°P»PēCfCῤ C,,C-P±CῤPēP»CῤC‡C-Cῤ CēP»CfPSPsC‡PeC-Πῖ CfPμCῤC‡Cῤ P·P»PμC,P°P»CHPSPēPj PSP°CfP»C-PrPePsPj C,P° PeP°CῤPrC-PsPIP°CfPeCfP»CῤCῤPSPēPNē PePsP»P°ΠῖCf Cf ΠῖPsC”PrPSP°PSPSC- P·ΠῖC-ΠῖΠμCῤPeP°P»C-C”PjC-C”Cῤ. P— PsΠῖP»CῤPrCf PSP° PjPsP¶P»PēΠῖC-CfC,CH ΠῖPēPSPēPePSPμPSPSCῤ ΠῖC-ΠῖΠμCῤPeP°P»C-C”PjC-C— CῤPμPePsPjPμPSPPrPsPIP°PSPs CfPSPēPeP°C,Pē PsPrPSPsC‡P°CfPSPsΠῖPs ΠῖCῤPēP·PSP°C‡PμPSPSCῤ P°PSC,P°ΠῖPsPSC-CfC,C-Πῖ PeP°P»CHC‡C-Cῤ, C,P°PePēC... CῤPe P°PjP»PsPrPēΠῖC-PS, ΠῖP°C‡C-C”PSC,P°Pj P·C- P·P»PsCῤPeC-CfPSPsCῤ ΠῖC-ΠῖΠμCῤC,PμCῤPjC-C”Cῤ C,P° ΠῖP°C‡C-C”PSC,P°Pj, Cf CῤPePēC... PrPsΠῖCfCfPeP°C”C,CHCfCῤ PSP°CῤPIPSC-CfC,CH P·P»PsCῤPeC-CfPSPsC— ΠῖC-ΠῖΠμCῤC,PμCῤPjC-C—.

P»C-PeP°CῤCfCῤPeC- P·P°CfPsP±Pē, PsPrPSPsC‡P°CfPSPμ P·P°CfC,PsCfCzPIP°PSPSCῤ P·CῤPePēPjPē ΠῖPsC,CῤPμP±CzC” PsCfPsP±P»PēPIPSC— PsP±PμCῤPμP¶PSPsCfC,C-

P†PSPrCzPeC,PsCῤPē CYP3A4. PμCῤPē PsPrPSPsC‡P°CfPSPsPjCf P·P°CfC,PsCfCfPIP°PSPSC- P·ΠῖC-PrPsPjPēΠῖPē C-PSPrCfPeC,PsCῤP°PjPē CYP3A4 PePsPSC‡PμPSC,CῤP°C‡C-Cῤ P°PjP»PsPrPēΠῖC-PSCf Cf ΠῖP»P°P·PjC- PeCῤPsΠῖC- PjPsP¶Pμ P·PjC-PSCῤPIP°C,PēCfCῤ. PŸPsPjCf ΠῖC-Pr C‡P°Cf C,P° ΠῖC-CfP»Cῤ PsPrPSPsC‡P°CfPSPsΠῖPs P·P°CfC,PsCfCfPIP°PSPSCῤ P·C-PSPrCfPeC,PsCῤP°PjPē CYP3A4 CfP»C-Pr PePsPSC,CῤPsP»CῤPIP°C,Pē P°CῤC,PμCῤC-P°P»CHPSPēPNē C,PēCfPe C,P° ΠῖCῤPsΠῖPsPrPēC,Pē PePsCῤPμPeC‡C-Cῤ PrPsP·Pē, P·PsPeCῤPμPjP° Cf CῤP°P·C- P·P°CfC,PsCfCfPIP°PSPSCῤ P·C-PSPrCfPeC,PsCῤP°PjPē CfPēP»CHPSPsC— PrC-C— CYP3A4 (PSP°ΠῖCῤPēPeP»P°Pr, CῤPēC,,P°PjΠῖC-C‡PēPS, P·ΠῖC-CῤPsP±C-PNē [hypericum perforatum]).

P†PSPῖC-P±C-C,PsCῤPē CYP3A4. PhPrPSPsC‡P°CfPSPμ P·P°CfC,PsCfCfPIP°PSPSCῤ P°PjP»PsPrPēΠῖC-PSCf P·ΠῖPēCfPsPePsP°PeC,PēPIPSPēPjPē P°P±Ps ΠῖPsPjC-CῤPSPēPjPē C-PSPῖC-P±C-C,PsCῤP°PjPē CYP3A4 (C-PSPῖC-P±C-C,PsCῤP°PjPē ΠῖCῤPsC,PμP°P·, P°P·PsP»CHPSPēPjPē ΠῖCῤPsC,PēΠῖCῤPēP±PePsΠῖPēPjPē P·P°CfPsP±P°PjPē, PjP°PeCῤPsP»C-PrP°PjPē, C,P°PePēPjPē CῤPe PμCῤPēC,CῤPsPjC-C‡PēPS P°P±Ps

PeP»P°CTHPeC,CTHPsPjC-C†PēPS, PIPμCTHP°PīP°PjC-P»PsPj P°P±Ps PrPēP»C,C-P°P·PμPjPsPj) PjPsP¶Pμ C†PīCTHPēC†PēPSC¶C,Pē PīC-PrPIPēC%oPμPSPSC¶ PePsPSC†PμPSC,CTHP°C†C-C— P°PjP»PsPrPēPīC-PSC†. PμP»C-PSC-C†PSPēPNē PīCTHPsC¶PI PIPēC%oPμP·P°P·PSP°C†PμPSPēC... C„P°CTHPjP°PePsPeC-PSPμC,PēC†PSPēC... P·PjC-PS PjPsP¶Pμ P±C†C,Pē P±C-P»CHCē PIPēCTHP°P¶PμPSPēPj C† PīP°C†C-C”PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeC†. Pj C,P°PePēC... PIPēPīP°PrPeP°C... PSPμPsP±C...C-PrPSPs PīCTHPsPIPsPrPēC,Pē PeP»C-PSC-C†PSPēPNē PjPsPSC-C,PsCTHPēPSPi C,P° PePsCTHPēPiC†PIP°C,Pē PrPsP·C†. P†C†PSC†C” PīC-PrPIPēC%oPμPSPēPNē CTHPēP·PēPe PIPēPSPēPePSPμPSPSC¶ PiC-PīPsC,PμPSP·C-C— C† PīP°C†C-C”PSC,C-PI, C¶PeC- PīCTHPēPNēPjP°CHC,CH PeP»P°CTHPēC,CTHPsPjC-C†PēPS C† PePsPjP±C-PSP°C†C-C— P· P°PjP»PsPrPēPīC-PSPsPj. PŷP°PePēPj PīP°C†C-C”PSC,P°Pj CTHPμPePsPjPμPSPPrPsPIP°PSPμ CTHPμC,PμP»CHPSPμ C†PīPsC†C,PμCTHPμP¶PμPSPSC¶.

P>C-PeP°CTHC†CHPeC- P·P°C†PsP±Pē, PsPrPSPsC†P°C†PSPμ PīCTHPēP·PSP°C†PμPSPSC¶ P· C¶PePēPjPē PīPsC,CTHPμP±C†C” C†PIP°PiPē

PμCTHPē P·P°C†C,PsC†C†PIP°PSPSC- P°PjP»PsPrPēPīC-PSC† P· C-PSCēPēPjPē P»C-PeP°CTHC†CHPePēPjPē P·P°C†PsP±P°PjPē P· P°PSC,PēPiC-PīPμCTHC,PμPSP·PēPIPSPēPjPē PIP»P°C†C,PēPIPsC†C,C¶PjPē PjPsP¶P»PēPIPēPNē P°PrPēC,PēPIPSPēPNē P°PSC,PēPiC-PīPμCTHC,PμPSP·PēPIPSPēPNē PμC„PμPeC,.

PŷP°PeCTHPsP»C-PjC†C†. Pj CTHP°P·C- PsPrPSPsC†P°C†PSPsPiPs PīCTHPēP·PSP°C†PμPSPSC¶ P· P°PjP»PsPrPēPīC-PSPsPj C-C†PSC†C” CTHPēP·PēPe PīC-PrPIPēC%oPμPSPSC¶ CTHC-PIPSC¶ C,P°PeCTHPsP»C-PjC†C†C† PI PeCTHPsPIC-. P”P»C¶ C†PSPēPePSPμPSPSC¶ C,PsPeC†PēC†PSPsPiPs PIPiP»PēPIC† C,P°PeCTHPsP»C-PjC†C†C† PSPμPsP±C...C-PrPSPs PePsPSC,CTHPsP»CHPIP°C,Pē PNēPsPiPs CTHC-PIPμPSCH C† PeCTHPsPIC- C,P° C† CTHP°P·C- PīPsC,CTHPμP±Pē PīC-PrP±PēCTHP°C,Pē PNēPsPiPs PrPsP·C† PīP°C†C-C”PSC,P°Pj, C¶PePēPj PrPsPrP°C”C,CHC†C¶ P°PjP»PsPrPēPīC-PS.

P†PSPiC-P±C-C,PsCTHPē PjPμC...P°PSC-C†C,PēC†PSPsC— PjC-CēPμPSC- CTHP°PīP°PjC-C†PēPSC† (mTOR). PŷP°PeC- C-PSPiC-P±C-C,PsCTHPē mTOR, C¶Pe C†PēCTHPsP»C-PjC†C†, C,PμPjC†PēCTHPsP»C-PjC†C† C,P° PμPIPμCTHPsP»C-PjC†C†, C” C†C†P±C†C,CTHP°C,P°PjPē CYP3A. PμPjP»PsPrPēPīC-PS PSP°P»PμP¶PēC,CH PrPs C-PSPiC-P±C-C,PsCTHC-PI CYP3A C†P»P°P±PePsC— PrC-C—. PμCTHPē PsPrPSPsC†P°C†PSPsPjC† P·P°C†C,PsC†C†PIP°PSPSC- P· C-PSPiC-P±C-C,PsCTHP°PjPē mTOR P°PjP»PsPrPēPīC-PS PjPsP¶Pμ P·P±C-P»CHCēC†PIP°C,Pē PePsPSC†PμPSC,CTHP°C†C-CH C-PSPiC-P±C-C,PsCTHC-PI mTOR.

P†PēPeP»PsC†PīPsCTHPēPS. P”PsC†P»C-PrP¶PμPSPSC¶ PIP·P°C”PjPsPrC-C— C†PēPeP»PsC†PīPsCTHPēPSC† C,P° P°PjP»PsPrPēPīC-PSC† P·P° C†C†P°C†C,CH P·PrPsCTHPsPIPēC... PrPsP±CTHPsPIPsP»CHC†C-PI P°P±Ps C-PSCēPēC... P»CHPrPμPNē PSPμ PīCTHPsPIPsPrPēP»Pē. P’PēPSC¶C,PsPe C†C,P°PSPsPIP»C¶C,CH PīP°C†C-C”PSC,Pē PīC-C†P»C¶ C,CTHP°PSC†PīP»P°PSC,P°C†C-C— PSPēCTHPePē, C† C¶PePēC... C†PīPsC†C,PμCTHC-PiP°P»PēC†C¶ PePsP»PēPIP°PSPSC¶ PePsPSC†PμPSC,CTHP°C†C-C— C†PēPeP»PsC†PīPsCTHPēPSC† P· PīC-PrPIPēC%oPμPSPSC¶Pj C† C†PμCTHPμPrPSCHPsPjC† PIC-Pr 0 % PrPs 40 %. Pj PīP°C†C-C”PSC,C-PI PīC-C†P»C¶ C,CTHP°PSC†PīP»P°PSC,P°C†C-C— PSPēCTHPePē, C¶PeC- PīCTHPēPNēPjP°CHC,CH P°PjP»PsPrPēPīC-PS C- C†PēPeP»PsC†PīPsCTHPēPS, C†P»C-Pr PePsPSC,CTHPsP»CHPIP°C,Pē CTHC-PIPμPSCH C†PēPeP»PsC†PīPsCTHPēPSC† C† PeCTHPsPIC- C,P° C† CTHP°P·C- PSPμPsP±C...C-PrPSPsC†C,C- P·PjPμPSCēPēC,Pē PrPsP·C† C†PēPeP»PsC†PīPsCTHPēPSC†.

PŷPēPjPIP°C†C,P°C,PēPS. P—P°C†C,PsC†C†PIP°PSPSC¶ P°PjP»PsPrPēPīC-PSC† PI PrPsP·C-, PeCTHP°C,PSC-PNē 10 PjPi, C† PePsPjP±C-PSP°C†C-C— P· 80 PjPi C†PēPjPIP°C†C,P°C,PēPSC† PīCTHPēP·PIPsPrPēP»Ps PrPs 77 %-PiPs P·P±C-P»CHCēPμPSPSC¶ PePsPSC†PμPSC,CTHP°C†C-C—

[illegible]

P°PSC, PëPiC-PiPμCȚC, PμPSP·PëPIPSPëPNë PμC,, PμPeC, C, P° PiC-PrPIPëC%CrCȚC, CH
CȚPëP·PëPe PIPëPSPëPePSPμPSPSCȚ PsCȚC, PsCȚC, P°C, PëC†PSPsC— PiC-PiPsC, PμPSP·C-C—.

PħCȚPsP±P»PëPIPsCȚC, C- P·P°CȚC, PsCȚCȚPIP°PSPSCȚ.

PJ CȚC- P·P°CȚC, PμCȚPμPȚPμPSPSCȚ C%PsPrPs P·P°CȚC, PsCȚCȚPIP°PSPSCȚ PsPeCȚPμPjPëC...
PePsPjPiPsPSPμPSC, C-PI P»C-PeP°CȚCȚCHPePsPiPs P·P°CȚPsP±CȚ CȚC, PsCȚCȚCȚC, CHCȚCȚCȚ
C- C,, C-PeCȚPsPIP°PSPsC— PePsPjP±C-PSP°C†C-C— PħPsCȚPȚPμCȚC-CȚ PħPħ.

*PħCȚPsP±P»PëPIC- P·P°CȚC, PμCȚPμPȚPμPSPSCȚ C%PsPrPs P·P°CȚC, PsCȚCȚPIP°PSPSCȚ
PiPμCȚPëPSPȚPsPiCȚPëP»CȚ*

P°C-PiPμCȚCȚCȚC, P»PëPIC-CȚC, CH/P°PSPiC-PsPSPμPICȚPsC, PëC†PSPëPNë PSP°P±CȚCȚPe.
PμC-Pr C†P°CȚ P·P°CȚC, PsCȚCȚPIP°PSPSCȚ C-PSPiC-P±C-C, PsCȚC-PI PħPμPα, Cr C, PsPjCȚ
C†PëCȚP»C- PiPμCȚPëPSPȚPsPiCȚPëP»CȚ, PiPsPIC-PrPsPjP»CȚP»Pë PiCȚPs CȚC-PrPeC-CȚPSC-
PIPëPiP°PrPePë PIPëPSPëPePSPμPSPSCȚ P°PSPiC-PsPSPμPICȚPsC, PëC†PSPsPiPs
PSP°P±CȚCȚPeCr PsP±P»PëC†CȚCȚ, PeC-PSC†C-PIPsPe, PiCȚP±, CȚP»PëP·PsPIPëC...
PsP±PsP»PsPSPsPe, CȚP·PëPeP°, PiPsP»PsCȚPsPIPsC— C%C-P»PëPSPë C, P°/P°P±Ps
PiPsCȚC, P°PSC- (PrPëPI. CȚPsP·PrC-P» B«PμPsP±C-C†PSC- CȚPμP°PeC†C-C-B»).
PħPSPiC-PsPSPμPICȚPsC, PëC†PSPëPNë PSP°P±CȚCȚPe PjPsPȚPμ PIPëPSPëPePSCȚC, Pë
P±CȚPrCH-PePsP»Pë PiC-Pr C†P°CȚ P»C-PeCȚPIP°PSPSCȚ. PJ C, P°PePëC... PIPëPiP°PrPeP°C...
PSPμPsP±C...C-PrPSPs C, PμCȚPjC-PSPsPIPs PiCȚPëPiPëPSPëC, Pë PiCȚPëPNëPsPj
P»C-PeP°CȚCȚCHPePsPiPs P·P°CȚPsP±CȚ PħPsCȚPȚPμCȚC-CȚ PħPħ C- PICȚC, P°PSPsPIPëC, Pë
PSPμPsP±C...C-PrPSPëPNë PSP°PiP»CȚPȚ P·P° CȚC, P°PSPsPj PiP°C†C-C°PSC, P° PrPs
PiPsPIPSPsPiPs P·PSPëPePSPμPSPSCȚ CȚPëPjPiC, PsPjC-PI. PħPsP»Pë PSP°P±CȚCȚPe
CȚPsP·PiPsPICȚCȚPrPȚCȚC, CHCȚCȚCȚ P»PëCȚPμ PSP° P·PsPSCȚ PsP±P»PëC†CȚCȚ C, P° PiCȚP±,
CȚC, P°PS PiP°C†C-C°PSC, P° P·P°P·PIPëC†P°PNë PiPsPeCȚP°C%CrCȚC, CHCȚCȚCȚ P±PμP·
P»C-PeCȚPIP°PSPSCȚ; PiCȚPëP·PSP°C†PμPSPSCȚ P°PSC, PëPiC-CȚC, P°PjC-PSPSPëC...
P»C-PeP°CȚCȚCHPePëC... P·P°CȚPsP±C-PI PjPsPȚPμ P±CȚC, Pë PePsCȚPëCȚPSPëPj PrP»CȚ
P·PjPμPSCëPμPSPSCȚ CȚPëPjPiC, PsPjC-PI.

PħPSPiC-PsPSPμPICȚPsC, PëC†PSPëPNë PSP°P±CȚCȚPe, PiPsPiBȚ™ CȚP·P°PSPëPNë P·
PSP°P±CȚCȚPePsPj PiPsCȚC, P°PSC-, PjPsPȚPμ PiCȚPëP·PIPμCȚC, Pë PrPs
P»PμC, P°P»CHPSPsPiPs PSP°CȚP»C-PrPeCȚ. PJ CȚP°P·C-, PePsP»Pë PSP°P±CȚCȚPe
CȚPsP·PiPsPICȚCȚPrPȚCȚC, CHCȚCȚCȚ PSP° CȚP·PëPe, PiPsP»PsCȚPsPICȚ C%C-P»PëPSCȚ
P°P±Ps PiPsCȚC, P°PSCȚ P· C-PjPsPIC-CȚPSPëPj PIPëPSPëPePSPμPSPSCȚPj
PsP±CȚC, CȚCȚPeC†C-C— PrPëC...P°P»CHPSPëC... CȚP»CȚC...C-PI, PSPμPsP±C...C-PrPSPμ
C, PμCȚPjC-PSPsPIPs PiCȚPsPIPsPrPμPSPSCȚ PSPμPIC-PrPeP»P°PrPSPsC— C, PμCȚP°PiC-C—,
CȚPeP° PjPsPȚPμ PIPeP»CȚC†P°C, Pë PIPiPμPrPμPSPSCȚ P°PrCȚPμPSP°P»C-PSCȚ C, P°/P°P±Ps
PiC-PrC, CȚPëPjP°PSPSCȚ PiCȚPsC...C-PrPSPsCȚC, C- PrPëC...P°P»CHPSPëC... CȚP»CȚC...C-PI.
PμP°C†C-C°PSC, PiPsPIPëPSPμPS P·PSP°C...PsPrPëC, PëCȚCH PiC-Pr PiPsCȚC, C-PNëPSPëPj
PjPμPrPëC†PSPëPj PSP°PiP»CȚPȚPsPj PrPs PiPsPIPSPsPiPs C, P° CȚC, C-PNëPePsPiPs
P·PSPëPePSPμPSPSCȚ CȚPëPjPiC, PsPjC-PI.

PμP°C†C-C°PSC, Pë P· P°PSPiC-PsPSPμPICȚPsC, PëC†PSPëPj PSP°P±CȚCȚPePsPj PI
P°PSP°PjPSPμP·C-, C%Ps PSPμ P±CȚPI PiPsPiBȚ™ CȚP·P°PSPëPNë P· PiCȚPëPNëPsPjPsPj
C-PSPiC-P±C-C, PsCȚC-PI PħPμPα, PjPsPȚCȚC, CH PjP°C, Pë PiC-PrPIPëC%PμPSPëPNë
CȚPëP·PëPe PIPëPSPëPePSPμPSPSCȚ P°PSPiC-PsPSPμPICȚPsC, PëC†PSPsPiPs PSP°P±CȚCȚPeCr
PiCȚPë PiCȚPëPNëPsPjC- C-PSPiC-P±C-C, PsCȚC-PI PħPμPα (PrPëPI. CȚPsP·PrC-P»
B«PμCȚPsC, PëPiPsPeP°P·P°PSPSCȚB»).

$P_{\mu}C-Pr\ C\ddagger P^{\circ}C\acute{I}\ P\gg C-PeC\acute{r}PIP^{\circ}PSPSC\downarrow\ C-PSPiC-P\pm C-C,PsC\grave{H}P^{\circ}PjP\ddot{e}\ P\grave{h}P_{\mu}P_{\alpha}$
 $P\ddot{i}PsPIC-PrPsPjP\gg C\downarrow P\gg PsC\acute{I}C\downarrow\ P\ddot{i}C\grave{H}Ps\ C\grave{H}C-PrPeC-C\acute{I}PSC-PIP\ddot{e}P\acute{i}P^{\circ}PrPeP\ddot{e}$
 $PIP\ddot{e}PSP\ddot{e}PePSP_{\mu}PSPSC\downarrow\ C-PSC,P_{\mu}C\acute{I}C,P\ddot{e}PSP^{\circ}P\gg CH\ddot{h}PSPsC- P^{\circ}PSPiC-PsP_{\mu}PrP_{\mu}PjP\ddot{e}. Pj$
 $C,P^{\circ}PeP\ddot{e}C... P\acute{i}P^{\circ}C\ddagger C-C''PSC,C-PI\ PIC-PrP\cdot PSP^{\circ}C\ddagger P^{\circ}PIC\acute{I}C\downarrow\ P^{\circ}P\pm PrPsPjC-PSP^{\circ}P\gg CH\ddot{h}PSP\ddot{e}PN_{\circ}$
 $P\pm C-P\gg CH\ (P\cdot PSC\acute{r}PrPsC,PsC\grave{H}\ C,P^{\circ}\ P\pm P\gg CH\ddot{h}PIP^{\circ}PSPSC\downarrow Pj\ P^{\circ}P\pm Ps\ P\pm P_{\mu}P\cdot PSP\ddot{e}C...); C\acute{r}$
 $PrP_{\mu}C\downarrow PeP\ddot{e}C... PIP\ddot{e}P\acute{i}P^{\circ}PrPeP^{\circ}C... P\ddot{i}PsP\ddot{i}P_{\mu}C\grave{H}P_{\mu}PrPSC\ddot{h}PsPiPs$
 $P^{\circ}PSPiC-PsPSP_{\mu}PIC\grave{H}PsC,P\ddot{e}C\ddagger PSPsPiPs\ PSP^{\circ}P\pm C\grave{H}C\downarrow PeC\acute{r}\ PsP\pm P\gg P\ddot{e}C\ddagger C\ddagger C\downarrow\ PSP_{\mu}$
 $C\acute{I}P\ddot{i}PsC\acute{I}C,P_{\mu}C\grave{H}C-P\acute{i}P^{\circ}P\gg PsC\acute{I}C\downarrow\ C- C\grave{H}C-PIP_{\mu}PSC\ddot{h}\ P\check{Y}-1\ P_{\mu}C\acute{I}C,P_{\mu}C\grave{H}P^{\circ}P\cdot P\ddot{e}\ P\pm C\acute{r}PI\ C\acute{r}$
 $PSPsC\grave{H}PjC-. P''C-P^{\circ}PiPSPsP\cdot C-PSC,P_{\mu}C\acute{I}C,P\ddot{e}PSP^{\circ}P\gg CH\ddot{h}PSPsC- P^{\circ}PSPiC-PsP_{\mu}PrP_{\mu}PjP\ddot{e}$
 $P\pm C\acute{r}P\gg Ps\ PIC\acute{I}C,P^{\circ}PSPsPIP\gg P_{\mu}PSPs\ P\acute{i}C-Pr\ C\ddagger P^{\circ}C\acute{I}\ PePsPjP\ddot{i}B\grave{H}^{\text{TM}}\ C\grave{H}C,P_{\mu}C\grave{H}PSPsC-$
 $C,PsPjPsPiC\grave{H}P^{\circ}C,,C-C- P^{\circ}P\pm Ps\ C\acute{r}P\gg CH\ddot{h}C,C\grave{H}P^{\circ}P\cdot PIC\acute{r}PePsPIP\ddot{e}PiPs\ PrPsC\acute{I}P\gg C-PrP\uparrow P_{\mu}PSPSC\downarrow,$
 $P^{\circ}P\pm Ps\ P\acute{i}C-Pr\ C\ddagger P^{\circ}C\acute{I}\ C...C-C\grave{H}C\acute{r}C\grave{H}PiC-C\ddagger PSPsPiPs\ PIC,C\grave{H}C\acute{r}C\ddagger P^{\circ}PSPSC\downarrow. P_{\mu}C-C\acute{I}P\gg C\downarrow$
 $PIC-PrPjC-PSP\ddot{e}\ C-PSPiC-P\pm C-C,PsC\grave{H}C\acute{r}\ P\grave{h}P_{\mu}P_{\alpha}\ C\acute{I}P\ddot{e}PjPiC,PsPjP\ddot{e}$
 $P^{\circ}PSPiC-PsPSP_{\mu}PIC\grave{H}PsC,P\ddot{e}C\ddagger PSPsPiPs\ PSP^{\circ}P\pm C\grave{H}C\downarrow PeC\acute{r}\ P\cdot PSP\ddot{e}PeP^{\circ}P\gg P\ddot{e}. P_{\mu}C-Pr\ C\ddagger P^{\circ}C\acute{I}$
 $P\ddot{i}C\grave{H}PsPIP_{\mu}PrP_{\mu}PSPSC\downarrow\ PrP\ddot{e}C,,P_{\mu}C\grave{H}P_{\mu}PSC\ddagger C-PN_{\circ}PSPsPiPs\ PrC-P^{\circ}PiPSPsP\cdot C\acute{r}$
 $P^{\circ}P\pm PrPsPjC-PSP^{\circ}P\gg CH\ddot{h}PSPsPiPs\ P\pm PsP\gg C\grave{H},\ C\%Ps\ PIP\ddot{e}PSP\ddot{e}PeP^{\circ}C''\ C\acute{r}\ P\acute{i}P^{\circ}C\ddagger C-C''PSC,C-PI$
 $PSP^{\circ}\ C,P\gg C- P\ddot{i}C\grave{H}P\ddot{e}PN_{\circ}PsPjC\acute{r}\ C-PSPiC-P\pm C-C,PsC\grave{H}C-PI\ P\grave{h}P_{\mu}P_{\alpha},\ PSP_{\mu}PsP\pm C...C-PrPSPs$
 $PIC\grave{H}P^{\circ}C...PsPIC\acute{r}PIP^{\circ}C,P\ddot{e}\ PjPsP\uparrow P\gg P\ddot{e}PIC-C\acute{I}C,CH\ddot{h}\ PIP\ddot{e}PSP\ddot{e}PePSP_{\mu}PSPSC\downarrow$
 $C-PSC,P_{\mu}C\acute{I}C,P\ddot{e}PSP^{\circ}P\gg CH\ddot{h}PSPsC- P^{\circ}PSPiC-PsP_{\mu}PrP_{\mu}PjP\ddot{e}\ (PrP\ddot{e}PI. C\grave{H}PsP\cdot PrC-P\gg$
 $B\ll P_{\mu}PsP\pm C-C\ddagger PSC- C\grave{H}P_{\mu}P^{\circ}PeC\ddagger C-C-B\gg).$

$P\grave{h}PrPSPsC\ddagger P^{\circ}C\acute{I}PSP_{\mu}\ P\cdot P^{\circ}C\acute{I}C,PsC\acute{I}C\acute{r}PIP^{\circ}PSPSC\downarrow\ P\acute{i}P_{\mu}C\grave{H}P\ddot{e}PSPPrPsPiC\grave{H}P\ddot{e}P\gg C\acute{r}\ P\cdot$
 $C\acute{I}P^{\circ}PeC\acute{r}P\pm C-C,C\grave{H}P\ddot{e}P\gg PsPj/PIP^{\circ}P\gg C\acute{I}P^{\circ}C\grave{H}C,P^{\circ}PSPsPj\ P\ddot{i}C\grave{H}PsC,P\ddot{e}P\ddot{i}PsPeP^{\circ}P\cdot P^{\circ}PSP_{\mu}$
 $C\ddagger P_{\mu}C\grave{H}P_{\mu}P\cdot P\acute{i}C-PrPIP\ddot{e}C\%P_{\mu}PSP\ddot{e}PN_{\circ}\ C\grave{H}P\ddot{e}P\cdot P\ddot{e}Pe\ C\grave{H}PsP\cdot PIP\ddot{e}C,PeC\acute{r}$
 $P^{\circ}PSPiC-PsPSP_{\mu}PIC\grave{H}PsC,P\ddot{e}C\ddagger PSPsPiPs\ PSP^{\circ}P\pm C\grave{H}C\downarrow PeC\acute{r}\ (PrP\ddot{e}PI. C\grave{H}PsP\cdot PrC-P\gg$
 $B\ll P_{\mu}C\grave{H}PsC,P\ddot{e}P\ddot{i}PsPeP^{\circ}P\cdot P^{\circ}PSPSC\downarrow B\gg). P\ PsP\cdot P\ddot{i}PsC\ddagger P\ddot{e}PSP^{\circ}C,P\ddot{e}\ P\cdot P^{\circ}C\acute{I}C,PsC\acute{I}C\acute{r}PIP^{\circ}PSPSC\downarrow$
 $C\acute{I}P^{\circ}PeC\acute{r}P\pm C-C,C\grave{H}P\ddot{e}P\gg C\acute{r}/PIP^{\circ}P\gg C\acute{I}P^{\circ}C\grave{H}C,P^{\circ}PSC\acute{r}\ C\acute{I}P\gg C-Pr\ PSP_{\mu}\ C\grave{H}P^{\circ}PSC-C\epsilon P_{\mu}\ PSC-P\uparrow$
 $C\ddagger P_{\mu}C\grave{H}P_{\mu}P\cdot\ 36\ P\ddot{i}PsPrP\ddot{e}PS\ P\acute{i}C-C\acute{I}P\gg C\downarrow\ P\ddot{i}C\grave{H}P\ddot{e}PN_{\circ}PsPjC\acute{r}\ PsC\acute{I}C,P^{\circ}PSPSCH\ddot{h}PsC- PrPsP\cdot P\ddot{e}$
 $P\acute{i}P_{\mu}C\grave{H}P\ddot{e}PSPPrPsPiC\grave{H}P\ddot{e}P\gg C\acute{r}. Pj\ C\grave{H}P^{\circ}P\cdot C- P\ddot{i}C\grave{H}P\ddot{e}P\ddot{i}P\ddot{e}PSP_{\mu}PSPSC\downarrow\ P\gg C-PeC\acute{r}PIP^{\circ}PSPSC\downarrow$
 $C\acute{I}P^{\circ}PeC\acute{r}P\pm C-C,C\grave{H}P\ddot{e}P\gg PsPj/PIP^{\circ}P\gg C\acute{I}P^{\circ}C\grave{H}C,P^{\circ}PSPsPj\ C,P_{\mu}C\grave{H}P^{\circ}P\acute{i}C-C\grave{H}$
 $P\acute{i}P_{\mu}C\grave{H}P\ddot{e}PSPPrPsPiC\grave{H}P\ddot{e}P\gg PsPj\ P\ddot{i}PsC,C\grave{H}C-P\pm PSPs\ C\grave{H}PsP\cdot P\ddot{i}PsC\ddagger P\ddot{e}PSP^{\circ}C,P\ddot{e}\ PSP_{\mu}$
 $C\grave{H}P^{\circ}PSC-C\epsilon P_{\mu}\ PSC-P\uparrow\ C\ddagger P_{\mu}C\grave{H}P_{\mu}P\cdot\ 36\ P\ddot{i}PsPrP\ddot{e}PS\ P\acute{i}C-C\acute{I}P\gg C\downarrow\ P\ddot{i}C\grave{H}P\ddot{e}PN_{\circ}PsPjC\acute{r}$
 $PsC\acute{I}C,P^{\circ}PSPSCH\ddot{h}PsC- PrPsP\cdot P\ddot{e}\ C\acute{I}P^{\circ}PeC\acute{r}P\pm C-C,C\grave{H}P\ddot{e}P\gg C\acute{r}/PIP^{\circ}P\gg C\acute{I}P^{\circ}C\grave{H}C,P^{\circ}PSC\acute{r}\ (PrP\ddot{e}PI.$
 $C\grave{H}PsP\cdot PrC-P\gg P\ddot{e}\ B\ll P_{\mu}C\grave{H}PsC,P\ddot{e}P\ddot{i}PsPeP^{\circ}P\cdot P^{\circ}PSPSC\downarrow B\gg\ C- B\ll P'P\cdot P^{\circ}C''PjPsPrC-C\downarrow\ P\cdot$
 $C-PSC\epsilon P\ddot{e}PjP\ddot{e}\ P\gg C-PeP^{\circ}C\grave{H}C\acute{I}CH\ddot{h}PeP\ddot{e}PjP\ddot{e}\ P\cdot P^{\circ}C\acute{I}PsP\pm P^{\circ}PjP\ddot{e}\ C,P^{\circ}\ C-PSC\epsilon C- PIP\ddot{e}PrP\ddot{e}$
 $PIP\cdot P^{\circ}C''PjPsPrC-PN_{\circ}B\gg).$

$P\grave{h}PrPSPsC\ddagger P^{\circ}C\acute{I}PSP_{\mu}\ P\cdot P^{\circ}C\acute{I}C,PsC\acute{I}C\acute{r}PIP^{\circ}PSPSC\downarrow\ C-PSPiC-P\pm C-C,PsC\grave{H}C-PI\ P\grave{h}P_{\mu}P_{\alpha}\ P\cdot$
 $C-PSPiC-P\pm C-C,PsC\grave{H}P^{\circ}PjP\ddot{e}\ PSP_{\mu}PN_{\circ}C,C\grave{H}P^{\circ}P\gg CH\ddot{h}PSPsC- P_{\mu}PSPPrPsP\acute{i}P_{\mu}P\acute{i}C,P\ddot{e}PrP^{\circ}P\cdot P\ddot{e}\ (P\acute{k}P\cdot P_{\mu})$
 $(PSP^{\circ}P\ddot{i}C\grave{H}P\ddot{e}PeP\gg P^{\circ}Pr\ C\grave{H}P^{\circ}C\ddagger P_{\mu}PeP^{\circ}PrPsC,C\grave{H}P\ddot{e}P\gg PsPj),\ C-PSPiC-P\pm C-C,PsC\grave{H}P^{\circ}PjP\ddot{e}\ mTOR$
 $(PSP^{\circ}P\ddot{i}C\grave{H}P\ddot{e}PeP\gg P^{\circ}Pr\ C\acute{I}P\ddot{e}C\grave{H}PsP\gg C-PjC\acute{r}C\acute{I}PsPj,\ P_{\mu}PIP_{\mu}C\grave{H}PsP\gg C-PjC\acute{r}C\acute{I}PsPj,$
 $C,P_{\mu}PjC\acute{I}P\ddot{e}C\grave{H}PsP\gg C-PjC\acute{r}C\acute{I}PsPj)\ C,P^{\circ}\ P\acute{i}P\gg C-P\acute{i}C,P\ddot{e}PSP^{\circ}PjP\ddot{e}\ (PSP^{\circ}P\ddot{i}C\grave{H}P\ddot{e}PeP\gg P^{\circ}Pr$
 $P\gg C-PSP^{\circ}P\acute{i}P\gg C-P\acute{i}C,P\ddot{e}PSPsPj,\ C\acute{I}P^{\circ}PeC\acute{I}P^{\circ}P\acute{i}P\gg C-P\acute{i}C,P\ddot{e}PSPsPj,\ C\acute{I}P\ddot{e}C,P^{\circ}P\acute{i}P\gg C-P\acute{i}C,P\ddot{e}PSPsPj,$
 $PIC-P\gg CH\ddot{h}PrP^{\circ}P\acute{i}P\gg C-P\acute{i}C,P\ddot{e}PSPsPj)\ PjPsP\uparrow P_{\mu}\ P\acute{i}C-PrPIP\ddot{e}C\%P\ddot{e}C,P\ddot{e}\ C\grave{H}P\ddot{e}P\cdot P\ddot{e}Pe$
 $C\grave{H}PsP\cdot PIP\ddot{e}C,PeC\acute{r}\ P^{\circ}PSPiC-PsPSP_{\mu}PIC\grave{H}PsC,P\ddot{e}C\ddagger PSPsPiPs\ PSP^{\circ}P\pm C\grave{H}C\downarrow PeC\acute{r}$
 $(PSP^{\circ}P\ddot{i}C\grave{H}P\ddot{e}PeP\gg P^{\circ}Pr\ PSP^{\circ}P\pm C\grave{H}C\downarrow PeC\acute{r}\ PrP\ddot{e}C...P^{\circ}P\gg CH\ddot{h}PSP\ddot{e}C... C\epsilon P\gg C\downarrow C...C-PI\ P^{\circ}P\pm Ps$
 $C\downarrow P\cdot P\ddot{e}PeP^{\circ},\ P\cdot P\ddot{i}PsC\grave{H}C\acute{r}C\epsilon P_{\mu}PSPSC\downarrow Pj\ C,,C\acute{r}PSPeC\ddagger C-C- PrP\ddot{e}C...P^{\circ}PSPSC\downarrow\ P^{\circ}P\pm Ps\ P\pm P_{\mu}P\cdot)$
 $(PrP\ddot{e}PI. C\grave{H}PsP\cdot PrC-P\gg B\ll P'P\cdot P^{\circ}C''PjPsPrC-C\downarrow\ P\cdot C-PSC\epsilon P\ddot{e}PjP\ddot{e}\ P\gg C-PeP^{\circ}C\grave{H}C\acute{I}CH\ddot{h}PeP\ddot{e}PjP\ddot{e}$
 $P\cdot P^{\circ}C\acute{I}PsP\pm P^{\circ}PjP\ddot{e}\ C,P^{\circ}\ C-PSC\epsilon C- PIP\ddot{e}PrP\ddot{e}\ PIP\cdot P^{\circ}C''PjPsPrC-PN_{\circ}B\gg). P\check{Y}P\gg C-Pr\ P\cdot$
 $PsP\pm P_{\mu}C\grave{H}P_{\mu}P\uparrow PSC-C\acute{I}C,C\grave{H}\ C\grave{H}PsP\cdot P\ddot{i}PsC\ddagger P\ddot{e}PSP^{\circ}C,P\ddot{e}\ P\gg C-PeC\acute{r}PIP^{\circ}PSPSC\downarrow$
 $C\grave{H}P^{\circ}C\ddagger P_{\mu}PeP^{\circ}PrPsC,C\grave{H}P\ddot{e}P\gg PsPj,\ C-PSPiC-P\pm C-C,PsC\grave{H}P^{\circ}PjP\ddot{e}\ mTOR\ (PSP^{\circ}P\ddot{i}C\grave{H}P\ddot{e}PeP\gg P^{\circ}Pr$

PjP°CHC,CH P·PSP°C,Pë, C%Ps PSPµPsP±C...C-PrPSPs PiPsPIC-PrPsPjP»C¼C,Pë PiCHPs
P±CfPrCH-ClPePëPNë PiCHPsC¼PI C-PSC,,PµPeC†C-PNëPSPsPiPs P·P°C...PIPsCHPPIP°PSPSC¼
(P±C-P»CH C f PiPsCHP»C-, PiP°CHC¼C†PeP°).

P PµPSPsPIP°CfPeCzP»C¼CHPSP° PiC-PiPµCHC,PµPSP·C-C¼. Pj PiP°C†C-C"PSC,C-PI C-P·
PrPIPsP±C-C†PSPëPj CfC,PµPSPsP·PsPj PSPëCHPePsPIPëC... P°CHC,PµCHC-PNë P°P±Ps
CfC,PµPSPsP·PsPj P°CHC,PµCHC-C— C"PrPëPSPsC— C,,CfPSPeC†C-PsPSCfCHC†PsC—
PSPëCHPePë PiC-Pr C†P°Cf P»C-PeCfPIP°PSPSC¼ C-PSPiC-P±C-C,PsCHP°PjPë PhPµPα
PiC-PrPIPëC%CrC"C,CHCfC¼ CHPëP·PëPe PIPëPSPëPePSPµPSPSC¼
P°CHC,PµCHC-P°P»CHPSPsC— PiC-PiPsC,PµPSP·C-C— C,P° PSPëCHPePsPIPsC—
PSPµPrPsCfC,P°C,PSPsCfC,C- (PrPëPI. CHPsP·PrC-P» B«PµCHPsC,PëPiPsPeP°P·P°PSPSC¼B»).
P—P°CfC,PsCfCfPIP°PSPSC¼ PrC-CfCHPµC,PëPeC-PI PjPsP¶Pµ P±CfC,Pë
CfPiCHPëC¼C,P»PëPIPëPj C,,P°PeC,PsCHPsPj. P—PSPëP¶PµPSPSC¼ C,,CfPSPeC†C-C—
PSPëCHPsPe PjPsP¶Pµ CfCfPiCHPsPIPsPrP¶CfPIP°C,PëCfC¼ P»PëC¶Pµ PSPµP·PSP°C†PSPëPjPë
P·PjC-PSP°PjPë CHC-PIPsC¼ PeCHPµP°C,PëPSC-PSCf C f CfPëCHPsPIP°C,C†C- PeCHPsPIC-
PSP°PIC-C,CH C f PiP°C†C-C"PSC,C-PI P· PsPrPSPsP±C-C†PSPëPj CfC,PµPSPsP·PsPj
PSPëCHPePsPIPsC— P°CHC,PµCHC-C—.

PµPsPrPIC-PNëPSP° P±P»PsPeP°PrP° CHPµPSC-PS-P°PSPiC-PsC,PµPSP·PëPS-
P°P»CHPrPsCfC,PµCHPsPSPsPIPsC— CfPëCfC,PµPjPë (P PhPjPŸ). P†CfPSCfCHC,CH PrP°PSC-,
C%Ps PsPrPSPsC†P°CfPSPëPNë PiCHPëPNëPsPj C-PSPiC-P±C-C,PsCHC-PI PhPµPα,
P±P»PsPeP°C,PsCHC-PI CHPµC†PµPiC,PsCHC-PI P°PSPiC-PsC,PµPSP·PëPSCf P†P† P°P±Ps
P°P»C-CfPeC-CHPµPSCf PiC-PrPIPëC%CrC"C CHPëP·PëPe PIPëPSPëPePSPµPSPSC¼
PiC-PiPsC,PµPSP·C-C—, PiC-PiPµCHPeP°P»C-C"PjC-C— C,P° P·PSPëP¶PµPSPSC¼
C,,CfPSPeC†C-C— PSPëCHPsPe (PIPeP»CHC†P°CHC†Pë PiPsCfC,CHCf PSPëCHPePsPICf
PSPµPrPsCfC,P°C,PSC-CfC,CH). PŸPsPjCf PiPsPrPIC-PNëPSP° P±P»PsPeP°PrP° P PhPjPŸ
C¶P»C¼C...PsPj PsPrPSPsC†P°CfPSPsPiPs PiCHPëPNëPsPjCf C-PSPiC-P±C-C,PsCHC-PI PhPµPα,
P±P»PsPeP°C,PsCHC-PI CHPµC†PµPiC,PsCHC-PI P°PSPiC-PsC,PµPSP·PëPSCf P†P† P°P±Ps
P°P»C-CfPeC-CHPµPSCf PSPµ CHPµPePsPjPµPSPrPsPIP°PSP° (PrPëPI. CHPsP·PrC-P»
B«P·P·P°C"PjPsPrC-C¼ P· C-PSC¶PëPjPë P»C-PeP°CHCfCHPePëPjPë P·P°CfPsP±P°PjPë C,P°
C-PSC¶C- PIPëPrPë PIP·P°C"PjPsPrC-PNëB»). PiPeC%Ps P»C-PeCfPIP°PSPSC¼ P·
PsPrPSPsC†P°CfPSPëPj P·P°CfC,PsCfCfPIP°PSPSC¼Pj PrPIPsC... P±P»PsPeP°C,PsCHC-PI
P PhPjPŸ PIPiP°P¶P°C,CHCfC¼ P°P±CfPsP»CHC,PSPs PSPµPsP±C...C-PrPSPëPj, PIPsPSPs
PjPsP¶Pµ PIC-PrP±CfPIP°C,PëCfC¼ C,C-P»CHPePë PiC-Pr PSP°PiP»C¼PrPsPj
CfPiPµC†C-P°P»C-CfC,P° C,P° P·P° CfPjPsPIPë C†P°CfC,PsPiPs CHPµC,PµP»CHPSPsPiPs
PjPsPSC-C,PsCHPëPSPiCf C,,CfPSPeC†C-C— PSPëCHPsPe, CHC-PIPsC¼
PµP»PµPeC,CHPsP»C-C,C-PI C,P° P°CHC,PµCHC-P°P»CHPSPsPiPs C,PëCfPeCf.
P†PSPiC-P±C-C,PsCHPë PhPµPα C- P±P»PsPeP°C,PsCHPë CHPµC†PµPiC,PsCHC-PI
P°PSPiC-PsC,PµPSP·PëPSCf P†P† PSPµ CfP»C-Pr P·P°CfC,PsCfPsPICfPIP°C,Pë
PsPrPSPsC†P°CfPSPs PiP°C†C-C"PSC,P°Pj P· PrC-P°P±PµC,PëC†PSPsCH
PSPµC,,CHPsPiP°C,C-C"CH.

PµPµCHPIPëPSPSPëPNë P°P»CHPrPsCfC,PµCHPsPSC-P·Pj. PµP°C†C-C"PSC,Pë P·
PiPµCHPIPëPSPSPëPj PiC-PiPµCHP°P»CHPrPsCfC,PµCHPsPSC-P·PjPsPj, ClPe PiCHP°PIPëP»Ps,
PSPµ PIC-PrPiPsPIC-PrP°CHC,CH PSP° P»C-PeCfPIP°PSPSC¼
P°PSC,PëPiC-PiPµCHC,PµPSP·PëPIPSPëPjPë P»C-PeP°CHCfCHPePëPjPë P·P°CfPsP±P°PjPë,
ClPeC- PrC-CHC,CH C¶P»C¼C...PsPj PiCHPëPiPSC-C†PµPSPSC¼ CHPµPSC-PS-
P°PSPiC-PsC,PµPSP·PëPSPsPIPsC— CfPëCfC,PµPjPë. PŸPsPjCf C,P°PePëPj PiP°C†C-C"PSC,P°Pj
P·P°CfC,PsCfPsPICfPIP°C,Pë PrP°PSPëPNë P»C-PeP°CHCfCHPePëPNë P·P°CfC-P± PSPµ
CHPµPePsPjPµPSPrCfC"C,CHCfC¼.

$P-P^{\circ}PiPsP\pm C-P\Psi PSC-P\cdot P^{\circ}C...PsPrP\ddot{e} \Pi C\tilde{H}P\ddot{e} P\cdot P^{\circ}C\acute{I}C,PsC\acute{I}C\acute{z}PIP^{\circ}PSPSC-$
 $PiP\mu C\tilde{H}P\ddot{e}PSPPrPsPiC\tilde{H}P\ddot{e}P\rangle C\acute{z}$

$P^{\circ}C-PiPsC,P\mu PSP\cdot C-Cl$. $P\ddagger PSPiC-P\pm C-C,PsC\tilde{H}P\ddot{e} P\tilde{h}P\ddagger P\alpha PjPsP\Pi C\acute{r}C,CH C\acute{I}PiC\tilde{H}P\ddot{e}C\ddagger P\ddot{e}PSP\ddot{e}C,P\ddot{e}$
 $C\tilde{H}C-P\cdot PeP\mu P\cdot PSP\ddot{e}P\Pi P\mu PSPSC\Pi P^{\circ}C\tilde{H}C,P\mu C\tilde{H}C-P^{\circ}P\rangle CH\ddot{H}PSPsPiPs C,P\ddot{e}C\acute{I}PeC\acute{r}$.
 $P\check{Y}P\ddot{e}PjPiC,PsPjP^{\circ}C,P\ddot{e}C\ddagger PSP^{\circ} PiC-PiPsC,P\mu PSP\cdot C-Cl C\tilde{H}C-PrPePs$
 $C\acute{I}PiPsC\acute{I}C,P\mu C\tilde{H}C-PiP^{\circ}C^{\circ}C,CHC\acute{I}Cl C\acute{r} PiP^{\circ}C\ddagger C-C^{\circ}PSC,C-PI P\cdot PSP\mu C\acute{r}C\acute{I}PeP\rangle P^{\circ}PrPSP\mu PSPsC\tilde{H}$
 $PiC-PiP\mu C\tilde{H}C,P\mu PSP\cdot C-C^{\circ}C\tilde{H} C,P^{\circ} C\ddagger P^{\circ}C\acute{I}C,C-C\epsilon P\mu PIP\ddot{e}PSP\ddot{e}PeP^{\circ}C^{\circ} C\acute{r} PiP^{\circ}C\ddagger C-C^{\circ}PSC,C-PI P\cdot$
 $PiC-PiPsPIP\ddot{e}P\rangle P\mu PjC-C^{\circ}C\tilde{H}, PSP^{\circ}PiC\tilde{H}P\ddot{e}PeP\rangle P^{\circ}Pr PiC\tilde{H}P\ddot{e} C,P\mu C\tilde{H}P^{\circ}PiC-C-$
 $PrC-C\acute{r}C\tilde{H}P\mu C,P\ddot{e}PeP^{\circ}PjP\ddot{e}, PiC-Pr C\ddagger P^{\circ}C\acute{I} P\pm P\mu P\cdot C\acute{I}PsP\rangle CH\ddot{H}PsPIP\ddot{e}C- PrC-C^{\circ}C,P\ddot{e}, PiC\tilde{H}P\ddot{e}$
 $PiP\mu PjPsPrC-P^{\circ}P\rangle C-P\cdot C-, PrC-P^{\circ}C\tilde{H}P\mu C- P^{\circ}P\pm Ps P\pm P\rangle C\tilde{H}PIP^{\circ}PSPSC-, P^{\circ}P\pm Ps C\acute{r}$
 $PiP^{\circ}C\ddagger C-C^{\circ}PSC,C-PI C-P\cdot C,ClP\Pi PePsC\tilde{H} C\tilde{H}P\mu PSC-PS-P\cdot P^{\circ}P\rangle P\mu P\Pi PSPsC\tilde{H}$
 $PiC-PiP\mu C\tilde{H}C,P\mu PSP\cdot C-C^{\circ}C\tilde{H} (PrP\ddot{e}PI. C\tilde{H}PsP\cdot PrC-P\rangle P\ddot{e} B\langle P^{\circ}P\cdot P^{\circ}C^{\circ}PjPsPrC-Cl P\cdot C-PSC\epsilon P\ddot{e}PjP\ddot{e}$
 $P\rangle C-PeP^{\circ}C\tilde{H}C\acute{I}CH\ddot{H}PeP\ddot{e}PjP\ddot{e} P\cdot P^{\circ}C\acute{I}PsP\pm P^{\circ}PjP\ddot{e} C,P^{\circ} C-PSC\epsilon C- PIP\ddot{e}PrP\ddot{e} PIP\cdot P^{\circ}C^{\circ}PjPsPrC-PN\ddot{e}B\rangle$
 $C,P^{\circ} B\langle P\mu PsP\pm C-C\ddagger PSC- C\tilde{H}P\mu P^{\circ}PeC\ddagger C-C-B\rangle). P\ddagger P^{\circ}C\ddagger C-C^{\circ}PSC,P^{\circ}Pj P\cdot PIP\ddot{e}C\acute{I}PsPeP\ddot{e}Pj$
 $C\tilde{H}P\ddot{e}P\cdot P\ddot{e}PePsPj PIP\ddot{e}PSP\ddot{e}PePSP\mu PSPSC\Pi C\acute{I}P\ddot{e}PjPiC,PsPjP^{\circ}C,P\ddot{e}C\ddagger PSPsC-$
 $PiC-PiPsC,P\mu PSP\cdot C-C-, P^{\circ} C,P^{\circ}PePsP\Pi PiP^{\circ}C\ddagger C-C^{\circ}PSC,P^{\circ}Pj P\cdot C-C\epsilon P\mu PjC-C\ddagger PSPsC\tilde{H}$
 $C...PIP\ddot{e}C\tilde{H}PsP\pm PsC\tilde{H} C\acute{I}P\mu C\tilde{H}C\ddagger Cl P^{\circ}P\pm Ps P\cdot C\ddagger P\mu C\tilde{H}P\mu P\pm C\tilde{H}PsPIP^{\circ}C\acute{I}PeC\acute{r}P\rangle ClC\tilde{H}PSP\ddot{e}PjP\ddot{e}$
 $P\cdot P^{\circ}C...PIP\ddot{e}C\tilde{H}C\tilde{H}PIP^{\circ}PSPSC\Pi PjP\ddot{e}, PI ClPeP\ddot{e}C... PSP^{\circ}PrPjC-C\tilde{H}PSP\mu P\cdot PSP\ddot{e}P\Pi P\mu PSPSC\Pi$
 $P^{\circ}C\tilde{H}C,P\mu C\tilde{H}C-P^{\circ}P\rangle CH\ddot{H}PSPsPiPs C,P\ddot{e}C\acute{I}PeC\acute{r} PjPsP\Pi C\acute{I}PiC\tilde{H}P\ddot{e}C\ddagger P\ddot{e}PSP\ddot{e}C,P\ddot{e}$
 $C\tilde{H}PsP\cdot PIP\ddot{e}C,PsPe C-PSC,,P^{\circ}C\tilde{H}PeC,C\acute{r} PjC-PsPeP^{\circ}C\tilde{H}PrP^{\circ} P^{\circ}P\pm Ps C-PSC\acute{I}C\acute{r}P\rangle CH\ddot{H}C,C\acute{r}, PiC-Pr$
 $C\ddagger P^{\circ}C\acute{I} P\rangle C-PeC\acute{r}PIP^{\circ}PSPSC\Pi P\rangle C-PeP^{\circ}C\tilde{H}C\acute{I}CH\ddot{H}PeP\ddot{e}Pj P\cdot P^{\circ}C\acute{I}PsP\pm PsPj P\ddot{H}PsC\tilde{H}PrP\mu C\tilde{H}C-Cl$
 $P\tilde{h}P\ddot{H} C\acute{I}P\rangle C-Pr C\tilde{H}P\mu C,P\mu P\rangle CH\ddot{H}PSPs PePsPSC,C\tilde{H}PsP\rangle C\tilde{H}PIP^{\circ}C,P\ddot{e}$
 $P^{\circ}C\tilde{H}C,P\mu C\tilde{H}C-P^{\circ}P\rangle CH\ddot{H}PSP\ddot{e}PN\ddot{e} C,P\ddot{e}C\acute{I}Pe, C,,C\acute{r}PSPeC\ddagger C-C\tilde{H} PSP\ddot{e}C\tilde{H}PsPe, P^{\circ} C,P^{\circ}PePsP\Pi$
 $PePsPSC\ddagger P\mu PSC,C\tilde{H}P^{\circ}C\ddagger C-C\tilde{H} PeP^{\circ}P\rangle C-C\tilde{H} C\acute{r} C\acute{I}P\ddot{e}C\tilde{H}PsPIP^{\circ}C,C\ddagger C- PeC\tilde{H}PsPIC-. P\ddagger C\tilde{H}P\ddot{e}$
 $PIP\ddot{e}PSP\ddot{e}PePSP\mu PSPSC- PiC-PiPsC,P\mu PSP\cdot C-C- PiP^{\circ}C\ddagger C-C^{\circ}PSC,P^{\circ} PSP\mu PsP\pm C...C-PrPSPs$
 $PiP\mu C\tilde{H}P\mu PIP\mu C\acute{I}C,P\ddot{e} C\acute{r} PiPsC\tilde{H}P\ddot{e}P\cdot PsPSC,P^{\circ}P\rangle CH\ddot{H}PSP\mu PiPsP\rangle PsP\Pi P\mu PSPSC\Pi C,P^{\circ} C\acute{r} C\tilde{H}P^{\circ}P\cdot C-$
 $PSP\mu PsP\pm C...C-PrPSPsC\acute{I}C,C- PIPiP\mu C\acute{I}C,P\ddot{e} PIPSC\acute{r}C,C\tilde{H}C-C\epsilon PSC\ddot{H}PsPIP\mu PSPSPs 0,9\%$
 $C\tilde{H}PsP\cdot C\ddagger P\ddot{e}PS C...P\rangle PsC\tilde{H}P\ddot{e}PrC\acute{r} PSP^{\circ}C,C\tilde{H}C-C\tilde{H}. P\check{Y}C\tilde{H}P^{\circ}PSP\cdot P\ddot{e}C,PsC\tilde{H}PSP^{\circ}$
 $PiC-PiPsC,P\mu PSP\cdot C-Cl PSP^{\circ} PiPsC\ddagger P^{\circ}C,PeC\acute{r} P\rangle C-PeC\acute{r}PIP^{\circ}PSPSC\Pi PSP\mu C^{\circ}$
 $PiC\tilde{H}PsC,P\ddot{e}PiPsPeP^{\circ}P\cdot P^{\circ}PSPSC\Pi Pj PrP\rangle Cl PiPsPrP^{\circ}P\rangle CH\ddot{H}C\epsilon PsPiPs PiC\tilde{H}P\ddot{e}PN\ddot{e}PsPjC\acute{r}$
 $P\rangle C-PeP^{\circ}C\tilde{H}C\acute{I}CH\ddot{H}PePsPiPs P\cdot P^{\circ}C\acute{I}PsP\pm C\acute{r}, ClPeP\ddot{e}PN\ddot{e} P\cdot P^{\circ}P\cdot PIP\ddot{e}C\ddagger P^{\circ}PN\ddot{e} PjPsP\Pi PSP^{\circ}$
 $PiC\tilde{H}PsPrPsPIP\Pi C\acute{r}PIP^{\circ}C,P\ddot{e} PiC-C\acute{I}P\rangle Cl PIC-PrPSPsPIP\rangle P\mu PSPSC\Pi PsP\pm B\tilde{H}^{\text{TM}}C^{\circ}PjC\acute{r}$
 $C\ddagger P\ddot{e}C\tilde{H}PeC\acute{r}P\rangle C\tilde{H}C\tilde{H}C\ddagger PsC- PeC\tilde{H}PsPIC- C,P^{\circ} PSPsC\tilde{H}PjP^{\circ}P\rangle C-P\cdot P^{\circ}C\ddagger C-C-$
 $P^{\circ}C\tilde{H}C,P\mu C\tilde{H}C-P^{\circ}P\rangle CH\ddot{H}PSPsPiPs C,P\ddot{e}C\acute{I}PeC\acute{r}$.

$P\check{Y}C,P\mu PSPsP\cdot P^{\circ}PsC\tilde{H}C,P^{\circ}P\rangle CH\ddot{H}PSPsPiPs C,P^{\circ} PjC-C,C\tilde{H}P^{\circ}P\rangle CH\ddot{H}PSPsPiPs$
 $PeP\rangle P^{\circ}PiP^{\circ}PSC-PI/PiC-PiP\mu C\tilde{H}C,C\tilde{H}PsC,,C-C\ddagger PSP^{\circ} PeP^{\circ}C\tilde{H}PrC-PsPjC-PsPiP^{\circ}C,C-Cl$.
 $P\ddagger PSPiC-P\pm C-C,PsC\tilde{H}P\ddot{e} P\tilde{h}P\ddagger P\alpha C\acute{I}P\rangle C-Pr PiC\tilde{H}P\ddot{e}P\cdot PSP^{\circ}C\ddagger P^{\circ}C,P\ddot{e} P\cdot PsP\pm P\mu C\tilde{H}P\mu P\Pi PSC-C\acute{I}C,C\tilde{H}$
 $PiP^{\circ}C\ddagger C-C^{\circ}PSC,P^{\circ}Pj P\cdot C- C\acute{I}C,P\mu PSPsP\cdot PsPj PjC-C,C\tilde{H}P^{\circ}P\rangle CH\ddot{H}PSPsPiPs PeP\rangle P^{\circ}PiP^{\circ}PSP^{\circ} C,P^{\circ}$
 $PsP\pm C\acute{I}C,C\tilde{H}C\acute{r}PeC\ddagger C-C^{\circ}C\tilde{H} PIP\ddot{e}C...PsPrC\acute{r} P\cdot P\rangle C-PIP\ddot{e}PiPs C\epsilon P\rangle C\acute{r}PSPsC\ddagger PeP^{\circ}$
 $(P^{\circ}PsC\tilde{H}C,P^{\circ}P\rangle CH\ddot{H}PSP\ddot{e}PN\ddot{e} C\acute{I}C,P\mu PSPsP\cdot P^{\circ}P\pm Ps PiC-PiP\mu C\tilde{H}C,C\tilde{H}PsC,,C-C\ddagger PSP^{\circ}$
 $PeP^{\circ}C\tilde{H}PrC-PsPjC-PsPiP^{\circ}C,C-Cl)$.

$P\mu PsC\tilde{H}C\acute{z}C\epsilon P\mu PSPSC\Pi C,,C\acute{z}PSPeC\ddagger C-C- PSP\ddot{e}C\tilde{H}PsPe. P\ddagger C\tilde{H}P\ddot{e} PSP^{\circ}ClPIPSPsC\acute{I}C,C-$
 $PSP\ddot{e}C\tilde{H}PePsPIP\ddot{e}C- PSP\mu PrPsC\acute{I}C,P^{\circ}C,PSPsC\acute{I}C,C- (PeP\rangle C-C\tilde{H}P\mu PSC\acute{I} PeC\tilde{H}P\mu P^{\circ}C,P\ddot{e}PSC-PSC\acute{r}$
 $< 60 PjP\rangle/C...PI) C\tilde{H}P\mu PePsPjP\mu PSPPrC\acute{r}C^{\circ}C,CHC\acute{I}Cl C-PSPrP\ddot{e}PIC-PrC\acute{r}P^{\circ}P\rangle CH\ddot{H}PSP\ddot{e}PN\ddot{e}$
 $PiC-PrP\pm C-C\tilde{H} PrPsP\cdot PePsP\Pi PSPsPiPs P\cdot PePsPjPiPsPSP\mu PSC,C-PI P\rangle C-PeP^{\circ}C\tilde{H}C\acute{I}CH\ddot{H}PePsPiPs$
 $P\cdot P^{\circ}C\acute{I}PsP\pm C\acute{r} (PrP\ddot{e}PI. C\tilde{H}PsP\cdot PrC-P\rangle B\langle P\check{Y}PiPsC\acute{I}C-P\pm P\cdot P^{\circ}C\acute{I}C,PsC\acute{I}C\acute{r}PIP^{\circ}PSPSC\Pi C,P^{\circ}$
 $PrPsP\cdot P\ddot{e}B\rangle). P C\acute{r}C,P\ddot{e}PSPSP\ddot{e}PN\ddot{e} PjPsPSC-C,PsC\tilde{H}P\ddot{e}PSPi C\tilde{H}C-PIPSC\Pi PeP^{\circ}P\rangle C-C\tilde{H} C,P^{\circ}$
 $PeC\tilde{H}P\mu P^{\circ}C,P\ddot{e}PSC-PSC\acute{r} PI PeC\tilde{H}PsPIC- C^{\circ} C\ddagger P^{\circ}C\acute{I}C,P\ddot{e}PSPsC\tilde{H} P\cdot PIP\ddot{e}C\ddagger P^{\circ}PN\ddot{e}PSPsC-$

PjPμPrPëC†PSPsC— PïCḡP°PeC,PëPePë PrP»Cḡ PïP°C†C-C”PSC,C-PI P· PïPsCḡC†C€PμPSPSCḡPj C,,C†PSPeC†C-C— PSPëCḡPsPe (PrPëPI. CḡPsP·PrC-P» B«PμPsP±C-C†PSC- CḡPμP°PeC†C-C—B»).

PḡP° C,P»C- PïCḡPëPNëPsPjC† C-PSPiC-P±C-C,PscḡC-PI PḡPμPḡ C† PrPμCḡPePëC...

PïP°C†C-C”PSC,C-PI P· PrPIPsP±C-C†PSPëPj CḡC,PμPSPsP·PsPj PSPëCḡPePsPIPëC...

P°CḡC,PμCḡC-PNë P°P±Ps CḡC,PμPSPsP·PsPj P°CḡC,PμCḡC-C— C”PrPëPSPsC—

C,,C†PSPeC†C-PsPSC†CḡC†PsC— PSPëCḡPePë PjPsPḡP»PëPIPμ PsP±PsCḡPsC,PSPμ

PiC-PrPIPëC%PμPSPSCḡ PePsPSC†PμPSC,CḡP°C†C-C— CḡPμC†PsPIPëPSPë C† PeCḡPsPIC- C,P°

PeCḡPμP°C,PëPSC-PSC† C† CḡPëCḡPsPIP°C,C†C- PeCḡPsPIC-. PḡPμ P±C-P»CHC€

C...P°CḡP°PeC,PμCḡPSPs PrP»Cḡ PïP°C†C-C”PSC,C-PI P· PSPëCḡPePsPIPsCḡ

PSPμPrPsCḡC,P°C,PSC-CḡC,Cḡ. PḡP°CḡPIPSC-CḡC,Cḡ CḡPμPSPsPIP°CḡPeC†P»CḡCḡPSPsC—

PiC-PiPμCḡC,PμPSP·C-C— PiC-PrPIPëC%C†C” CḡPëP·PëPe PIPëPSPëPePSPμPSPSCḡ

C,CḡPḡPePsC— PiC-PiPsC,PμPSP·C-C— C,P° PSPëCḡPePsPIPsC— PSPμPrPsCḡC,P°C,PSPsCḡC,C-.

Pj PrPμCḡPePëC... PïP°C†C-C”PSC,C-PI P· P°CḡC,PμCḡC-P°P»CHPSPsCḡ

PiC-PiPμCḡC,PμPSP·C-C”Cḡ, C† CḡPePëC... PrPs PïPsC†P°C,PeC† P»C-PeC†PIP°PSPSCḡ PSPμ

P±C†P»Ps PIPëCḡPIP»PμPSPs CḡPμPSPsPIP°CḡPeC†P»CḡCḡPSPëC...

P·P°C...PIPsCḡCḡPIP°PSCḡ, CḡPsP·PIPëPIP°P»PsCḡCḡ PiC-PrPIPëC%PμPSPSCḡ

CḡPμC†PsPIPëPSPë PeCḡPsPIC- C,P° PeCḡPμP°C,PëPSC-PSC† CḡPëCḡPsPIP°C,PePë PeCḡPsPIC-,

P·P°P·PIPëC†P°PNë PSPμP·PSP°C†PSPμ C- C,PëPjC†P°CḡPsPIPμ, PsCḡPsP±P»PëPIPs PePsP»Pë

PiPμCḡPëPSPPrPsPiCḡPëP» PïCḡPëP·PSP°C†P°P»Pë PsPrPSPsC†P°CḡPSPs P·

PrC-C†CḡPμC,PëPePsPj. PḡPμ P±C-P»CHC€ C...P°CḡP°PeC,PμCḡPSPs PrP»Cḡ

PïP°C†C-C”PSC,C-PI P· C†PḡPμ C-CḡPSC†CḡC†PëPj PïPsCḡC†C€PμPSPSCḡPj C,,C†PSPeC†C-C—

PSPëCḡPsPe.

PμPμC†C-PSPePsPIP° PSPμPrPsCḡC,P°C,PSC-CḡC,Cḡ. P C-PrPePs PïCḡPëPNëPsPj

C-PSPiC-P±C-C,PscḡC-PI PḡPμPḡ P±C†PI PïPsPiBḡ™ CḡP·P°PSPëPNë C-P· CḡPëPSPrCḡPsPjPsPj,

CḡPePëPNë PiPsC†PëPSP°C”C,CḡCḡCḡ P· C...PsP»PμCḡC,P°C,PëC†PSPsC— PḡPsPIC,CḡPSPëC†C-

C,P° CḡPsP·PIPëPIP°C”C,CḡCḡCḡ C† C€PIPëPrPePsPiP»PëPSPSPëPNë PSPμPeCḡPsP·

PiPμC†C-PSPePë, C-PSPsPrC- P· P»PμC,P°P»CHPSPëPj PSP°CḡP»C-PrPePsPj. PḡPμC...P°PSC-P·Pj

PIPëPSPëPePSPμPSPSCḡ C†CHPsPiPs CḡPëPSPrCḡPsPjC† PSPμPIC-PrPsPjPëPNë.

PμP°C†C-C”PSC,Pë, C† CḡPePëC... PSP° C,P»C- PïCḡPëPNëPsPjC† C-PSPiC-P±C-C,PscḡC† PḡPμPḡ

CḡPsP·PIPëPIP°C”C,CḡCḡCḡ PḡPsPIC,CḡPSPëC†Cḡ P°P±Ps P·PSP°C†PSPs

PiC-PrPIPëC%C†C”C,CḡCḡCḡ CḡC-PIPμPSCḡ PïPμC†C-PSPePsPIPëC... PμPSP·PëPjC-PI,

PiPsPIPëPSPSC- PïCḡPëPiPëPSPëC,Pë PïCḡPëPNëPsPj C-PSPiC-P±C-C,PscḡC† PḡPμPḡ C,P°

PsC,CḡPëPjP°C,Pë PIC-PrPiPsPIC-PrPSPμ PjPμPrPëC†PSPμ PsP±CḡC,PμPḡPμPSPSCḡ C-

P»C-PeC†PIP°PSPSCḡ (PrPëPI. CḡPsP·PrC-P» B«PμPsP±C-C†PSC- CḡPμP°PeC†C-C—B»).

P P°CḡPsPIC- PsCḡPsP±P»PëPIPsCḡC,C-. P†PSPiC-P±C-C,PscḡCḡ PḡPμPḡ C†P°CḡC,C-C€Pμ

CḡPiCḡPëC†PëPSCḡCḡC,Cḡ PIPëPSPëPePSPμPSPSCḡ P°PSPiC-PsPSPμPICḡPsC,PëC†PSPsPiPs

PSP°P±CḡCḡPeC† C† PïP°C†C-C”PSC,C-PI PSPμPiCḡPsC—PrPSPsC— CḡP°CḡPë, PSC-Pḡ C†

PïCḡPμPrCḡC,P°PIPSPëPeC-PI C-PSC€PëC... CḡP°Cḡ. PḡPe C- C-PSC€C- C-PSPiC-P±C-C,PscḡCḡ

PḡPμPḡ, PiPμCḡPëPSPPrPsPiCḡPëP» PjPμPSC€ PμC,,PμPeC,PëPIPsPs P·PSPëPḡC†C”

P°CḡC,PμCḡC-P°P»CHPSPëPNë C,PëCḡPe C† PïP°C†C-C”PSC,C-PI PSPμPiCḡPsC—PrPSPsC—

CḡP°CḡPë P· PiC-PiPμCḡC,PμPSP·C-C”Cḡ, PSC-Pḡ C† PïCḡPμPrCḡC,P°PIPSPëPeC-PI

C-PSC€PëC... CḡP°Cḡ, C%Ps, PjPsPḡP»PëPIPs, PiPsCḡCḡPSCḡC”C,CḡCḡCḡ PSPëP·CHPePëPj

CḡC-PIPsPμPj CḡPμPSC-PSC† C† PïP»P°P·PjC- PeCḡPsPIC- C,P°PePëC... PïP°C†C-C”PSC,C-PI.

PḡP°C€PμP»CH. PμPsPIC-PrPsPjP»CḡP»Pë PïCḡPs PIPëPSPëPePSPμPSPSCḡ PeP°C€P»Cḡ

PiC-Pr C†P°Cḡ PïCḡPëPNëPsPjC† C-PSPiC-P±C-C,PscḡC-PI PḡPμPḡ. PḡPμPNë PeP°C€PμP»CH C”

PSPμPiCḡPsPrC†PeC,PëPIPsPëPj, C,CḡPëPIP°P»PëPj C- PïCḡPëPiPëPSCḡC”C,CḡCḡCḡ

PiC-CḡP»Cḡ PIC-PrPjC-PSPë P»C-PeP°CḡCḡCHPePsPiPs P·P°CḡPsP±C†. PḡP°C€PμP»CH,

CḡPiCḡPëC†PëPSPμPSPëPNë PïCḡPëPNëPsPjPsPj C-PSPiC-P±C-C,PscḡC-PI PḡPμPḡ,

PiPsPIPëPSPµPS P±CfC, Pë C±P°CfC, PëPSPsCf PrPëC,, PµCfPµPSC†C-PNëPSPsPiPs
PrC-P°PiPSPsP·Cf PeP°C€P»Cf.

PfC-CfCáCfPiC-C±PSPµ PIC,CfCáC±P°PSPSCf/P°PSPµCfC,PµP·C-Cf. PµCfPë
C...C-CfCfCfPiC-C±PSPsPjCf PIC,CfCfC±P°PSPSC- P°P±Ps PiCfPë PiCfPsPiPµPrPµPSPSC-
P°PSPµCfC,PµP·C-C—, PsCfPsP±P»PëPIPs PiC-Pr C±P°Cf P·P°CfC,PsCfCfPiP°PSPSCf
P°PSPµCfC,PµC,PëPeP°, CµPePëPNë PiCfPëP·PiPsPrPëC,Cf PrPs P·PSPëPµPµPSPSCf
P°CfC,PµCfC-P°P»CHPSPsPiPs C,PëCfPeCf, PµPsCfPrPµCfC-Cf PµPµ PjPsPµPµ
P±P»PsPeCfPiP°C,Pë CfC,PIPsCfPµPSPSCf P°PSPiC-PsC,PµPSP·PëPSCf P†P† PiC-CfP»Cf
PePsPjPiPµPSCfP°C,PsCfPSPsPiPs PiPëPIC-P»CHPSPµPSPSCf CfPµPSC-PSCf.
P>C-PeP°CfCfCfPePëPNë P·P°CfC-P± CfP»C-Pr PIC-PrPjC-PSPëC,Pë P·P° PsPrPëPS PrPµPSCf
PrPs C...C-CfCfCfPiC-C±PSPsPiPs PIC,CfCfC±P°PSPSCf. PiPeC%Ps CfPsP·PiPëPSCfP»P°CfCf
PiC-PiPsC,PµPSP·C-Cf C- PiPiP°PµP°C,CfCfCfCf, C%Ps PiPsPSP° CfPiCfPëC±PëPSPµPSP°
CfP°PjPµ C†PëPj PjPµC...P°PSC-P·PjPsPj, CfC,P°PS C...PiPsCfPsPiPs PjPsPµPSP°
PSPsCfPjP°P»C-P·CfPiP°C,Pë P·P±C-P»CHC€PµPSPSCfPj PsP±Bf™C”PjCf
C†PëCfPeCfP»CfCfC±PsC— PeCfPsPIC-.

P”C-PiPµCfPeP°P»C-C”PjC-Cf. Pj PrPµCµPePëC... PiP°C†C-C”PSC,C-PI PSP° C,P»C-
PiCfPëPNëPsPjCf C-PSPiC-P±C-C,PsCfC-PI PµPµPµ, Cf C,PsPjCf C±PëCfP»C-
PiPµCfPëPSPrPsPiCfPëP»Cf, PIC-PrP·PSP°C±P°P»PsCfCf P·P±C-P»CHC€PµPSPSCf
PePsPSC†PµPSC,CfP°C†C-C— PeP°P»C-Cf Cf CfPëCfPsPiP°C,C†C- PeCfPsPIC-.
P†PSPiC-P±C-C,PsCfPë PµPµPµ PjPsPµCfC,Cf CfPiCfPëC±PëPSCfC,Pë
PiC-PiPµCfPeP°P»C-C”PjC-Cf, PsCfPeC-P»CHPePë PiCfPëPiPSC-C†CfCfC,Cf
PiPëPIC-P»CHPSPµPSPSCf P°P»CHPrPsCfC,PµCfPsPSCf. Pj PiP°C†C-C”PSC,C-PI P·
PSPsCfPjP°P»CHPSPsCf C,,CfPSPeC†C-C”Cf PSPëCfPsPe C†PµPNë PµC,,PµPeC,
P·P°P·PiPëC±P°PNë PSPµP·PSP°C±PSPëPNë. P”Ps C,,P°PeC,PsCfC-PI CfPëP·PëPeCf
PiPëPSPëPePSPµPSPSCf PiC-PiPµCfPeP°P»C-C”PjC-C— PSP°P»PµPµP°C,Cf: PSPëCfPePsPiP°
PSPµPrPsCfC,P°C,PSC-CfC,Cf P°P±Ps P·PSPëPµPµPSPSCf C,,CfPSPeC†C-C— PSPëCfPsPe,
PIC-Pe PiPsPSP°Pr 70 CfPsPeC-PI, C†CfPeCfPsPiPëPNë PrC-P°P±PµC,,
C-PSC,PµCfPeCfCfPµPSC,PSC- CfC,P°PSPë, C,P°PeC- CµPe PrPµPiC-PrCfP°C,P°C†C-Cf,
PiPsCfC,CfP° CfPµCfC†PµPiP° PrPµPePsPjPiPµPSCfP°C†C-Cf, PjPµC,P°P±PsP»C-C±PSPëPNë
P°C†PëPrPsP· C,P° PsPrPSPsC±P°CfPSPµ P·P°CfC,PsCfCfPiP°PSPSCf P·
PeP°P»C-PNëP·P±PµCfC-PiP°CfC±PëPjPë PrC-CfCfPµC,PëPeP°PjPë
(CfPiC-CfPsPSPsP»P°PeC,PsPS, PµPiP»PµCfPµPSPsPS, C,CfPëP°PjC,PµCfPµPS P°P±Ps
P°PjC-P»PsCfPëPr), P· C...P°CfC±PsPiPëPjPë PrPsP±P°PiPeP°PjPë, C%Ps PjC-CfC,CfC,Cf
PeP°P»C-PNë, P°P±Ps P·P°PjC-PSPSPëPeP°PjPë CfPsP»C- P· PeP°P»C-C”Pj, P°P±Ps PiCfPëPNëPsPj
C-PSC€PëC... P»C-PeP°CfCfCfPePëC... P·P°CfPsP±C-PI, C%Ps CfPiCfPëC±PëPSCfCfC,Cf
PiC-PrPiPëC%PµPSPSCf PePsPSC†PµPSC,CfP°C†C-C— PeP°P»C-Cf Cf CfPëCfPsPiP°C,C†C-
PeCfPsPIC- (PiPµPiP°CfPëPS, PePs-C,CfPëPjPsPeCfP°P·PsP», C,P°PePsPµ PIC-PrPsPjPëPNë CµPe
C,CfPëPjPµC,PsPiCfPëPj/CfCfP»CHC,,P°PjPµC,PsPeCfP°P·PsP»), C- PsCfPsP±P»PëPIPs
P°PSC,P°PiPsPSC-CfC,C-PI P°P»CHPrPsCfC,PµCfPsPSCf P°P±Ps P±P»PsPeP°C,PsCfC-PI
CfPµC†PµPiC,PsCfC-PI P°PSPiC-PsC,PµPSP·PëPSCf. P—P°CfC,PsCfCfPiP°PSPSCf
C...P°CfC±PsPiPëC... PrPsP±P°PiPsPe, C%Ps PjC-CfC,CfC,Cf PeP°P»C-PNë,
PeP°P»C-PNëP·P±PµCfC-PiP°CfC±PëC... PrC-CfCfPµC,PëPeC-PI P°P±Ps P·P°PjC-PSPSPëPeC-PI
CfPsP»C- P· PeP°P»C-C”Pj, PsCfPsP±P»PëPIPs Cf PiP°C†C-C”PSC,C-PI C-P·
PiPsCfCfC€PµPSPSCfPj C,,CfPSPeC†C-C— PSPëCfPsPe, PjPsPµPµ PiCfPëP·PiPµCfC,Pë PrPs
P·PSP°C±PSPsPiPs PiC-PrPiPëC%PµPSPSCf CfC-PIPSCf PeP°P»C-Cf PI CfPëCfPsPiP°C,C†C-
PeCfPsPIC-. P”C-PiPµCfPeP°P»C-C”PjC-Cf PjPsPµPµ CfPiCfPëC±PëPSPëC,Pë
PiPëPSPëPePSPµPSPSCf CfPµCfPNëPsP·PSPsC—, C-PSPsPrC- P»PµC,P°P»CHPSPsC—
P°CfPëC,PjC-C—. PµP°C†C-C”PSC,P°Pj, CµPeC- P·P°CfC,PsCfPsPICfCfC,Cf
C-PSPiC-P±C-C,PsCfPë PµPµPµ, CfP»C-Pr P· PsP±PµCfPµPµPSC-CfC,Cf

P·P°CÍC,PsCÍPsPICrPIP°C,Pë PeP°P»C-PNëP·P±PµCĤC-PiP°CĤC‡C- PrC-CrCĤPµC,PëPePë C-
P±P»PsPeP°C,PsCĤPë CĤPµC‡PµPíC,PsCĤC-PI P°PSPiC-PsC,PµPSP·PëPSCr, P° C,P°PePsP¶
PíCĤPsPIPsPrPëC,Pë CĤPµC,PµP»CHPSPëPNë PjPsPSC-C,PsCĤPëPSPi CĤC-PIPSCĬ PeP°P»C-CĤ
Cr CÍPëCĤPsPIP°C,C‡C- PeCĤPsPIC- C,P° C,,CrPSPeC‡C-C— PSPëCĤPsPe. PíPeC%Ps
PsPrPSPSc‡P°CÍPSPµ P·P°CÍC,PsCÍCrPIP°PSPSCĬ PiPµCĤPëPSPPrPsPíCĤPëP»Cr C- P±CrPrCH-
CĬPePsC— P· PIPëC%PµP·P°P·PSP°C‡PµPSPëC... CĤPµC‡PsPIPëPS PIPiP°P¶P°C”C,CHCÍCĬ
PrPsC‡C-P»CHPSPëPj, C—C... CÍP»C-Pr P·P°CÍC,PsCÍPsPICrPIP°C,Pë P·
PsP±PµCĤPµP¶PSC-CÍC,CĤ C,P° C‡P°CÍC,Ps PePsPSC,CĤPsP»CHPIP°C,Pë CĤC-PIPµPSCĤ
PeP°P»C-CĤ PI CÍPëCĤPsPIP°C,C‡C- PeCĤPsPIC- (PrPëPI. CĤPsP·PrC-P» B«P’P·P°C”PjPsPrC-CĬ
P· C-PSCëPëPjPë P»C-PeP°CĤCÍCHPePëPjPë P·P°CÍPsP±P°PjPë C,P° C-PSCëC- PIPëPrPë
PIP·P°C”PjPsPrC-PNëB»).

PµP°C‡C-C”PSC,P°Pj C-P· C‡C‡PeCĤPsPIPëPj PrC-P°P±PµC,PsPj, CĬPeC- PíCĤPëPNëPjP°CĤC,CH
PíPµCĤPsCĤP°P»CHPSC- C‡CrPeCĤPsP·PSPëP¶CrPIP°P»CHPSC- P·P°CÍPsP±Pë P°P±Ps
PsC,CĤPëPjCrCĤC,CH C-PSCÍCrP»C-PS, PSPµPsP±C...C-PrPSPs CĤPµC,PµP»CHPSPs
PePsPSC,CĤPsP»CHPIP°C,Pë CĤC-PIPµPSCĤ PiP»C-PePµPjC-C— PíCĤPsC,CĬPiPsPj
PíPµCĤCëPsPiPs PjC-CÍCĬC‡CĬ C,PµCĤP°PíC-C— C-PSPiC-P±C-C,PsCĤP°PjPë PĥPµPα (PrPëPI.
CĤPsP·PrC-P» B«P’P·P°C”PjPsPrC-CĬ P· C-PSCëPëPjPë P»C-PeP°CĤCÍCHPePëPjPë
P·P°CÍPsP±P°PjPë C,P° C-PSCëC- PIPëPrPë PIP·P°C”PjPsPrC-PNëB»).

P—P°PíPsP±C-P¶PSC- P·P°C...PsPrPë PíCĤPë P·P°CÍC,PsCÍC‡PIP°PSPSC- P°PjP»PsPrPëPíC-PSC‡

P’PµP·PíPµPeCr C,P° PµC,,PµPeC,PëPIPSC-CÍC,CH P·P°CÍC,PsCÍCrPIP°PSPSCĬ
P°PjP»PsPrPëPíC-PSCr Cr CÍC,P°PSC- PiC-PíPµCĤC,PsPSC-C‡PSPsPiPs PeCĤPëP·Cr
PrPsPIPµPrPµPSPs PSPµ P±CrP»Ps.

PŸPµCĤC‡PµPIP° PSPµPrPsCÍC,P°C,PSC-CÍC,CH. PŸP°PePëPj PíP°C‡C-C”PSC,P°Pj
PíCĤPëP·PSP°C‡P°C,Pë P°PjP»PsPrPëPíC-PS CÍP»C-Pr P· PsP±PµCĤPµP¶PSC-CÍC,CĤ. Pj
PrPsPIPiPsC,CĤPëPIP°P»PsPjCr PíP»P°C‡PµP±PsPePsPSC,CĤPsP»CHPsPIP°PSPsPjCr
PrPsCÍP»C-PrP¶PµPSPSC- P· CrC‡P°CÍC,CĤ PíP°C‡C-C”PSC,C-PI C-P· CÍPµCĤC‡PµPIPsCĤ
PSPµPrPsCÍC,P°C,PSC-CÍC,CĤ C,CĬP¶PePsPiPs CÍC,CrPíPµPSCĬ (P‡P‡P‡bĤ”IV
C,,CrPSPeC‡C-PsPSP°P»CHPSPëC... PeP»P°CÍC-PI NYHA) PíCĤPë P·P°CÍC,PsCÍCrPIP°PSPSC-
P°PjP»PsPrPëPíC-PSCr C‡P°CÍC,PsC,P° PIPëPíP°PrPeC-PI CĤPsP·PIPëC,PeCr PSP°P±CĤCĬPeCr
P»PµPiPµPSCĤ P±CrP»P° PIPëC%PsCĤ PíPsCĤC-PIPSCĬPSPs C-P·
P·P°CÍC,PsCÍCrPIP°PSPSCĬPj PíP»P°C‡PµP±Ps (PrPëPI. CĤPsP·PrC-P»
B«PαP°CĤPjP°PePsPrPëPSP°PjC-PeP°B»). PĥPSC,P°PiPsPSC-CÍC,Pë PeP°P»CHC‡C-CĤ,
PIPeP»CHC‡P°CHC‡Pë P°PjP»PsPrPëPíC-PS, PSPµPsP±C...C-PrPSPs PíCĤPëP·PSP°C‡P°C,Pë P·
PsP±PµCĤPµP¶PSC-CÍC,CĤ PíP°C‡C-C”PSC,P°Pj C-P· P·P°CÍC,C-PNëPSPsCĤ
CÍPµCĤC‡PµPIPsCĤ PSPµPrPsCÍC,P°C,PSC-CÍC,CĤ, C,PsPjCr C%Ps PIPsPSPë PjPsP¶CrC,CH
PíC-PrPIPëC%CrPIP°C,Pë CĤPëP·PëPe CĤPsP·PIPëC,PeCr
PeP°CĤPrC-PsPIP°CÍPeCrP»CĬCĤPSPëC... PíPsPrC-PNë C,P° P»PµC,P°P»CHPSPsPiPs
PSP°CÍP»C-PrPeCr Cr PjP°PNëP±CrC,PSCHPsPjCr.

PµPµC‡C-PSPePsPIP° PSPµPrPsCÍC,P°C,PSC-CÍC,CH. Pj PíP°C‡C-C”PSC,C-PI C-P·
PíPsCĤCrCëPµPSPSCĬPj C,,CrPSPeC‡C-C— PíPµC‡C-PSPePë PíPµCĤC-PsPr
PSP°PíC-PIPIPëPIPµPrPµPSPSCĬ P°PjP»PsPrPëPíC-PSCr C” PíPsPrPsPIP¶PµPSPëPj, P°
P·PSP°C‡PµPSPSCĬ AUC bĤ” PIPëCÍPsPePµ; CĤPµPePsPjPµPSPPrP°C‡C-C— C%PsPrPs
PrPsP·CrPIP°PSPSCĬ PSPµ PIPëP·PSP°C‡PµPSC-. PŸPsPjCr P»C-PeCrPIP°PSPSCĬ
P°PjP»PsPrPëPíC-PSPsPj PSPµPsP±C...C-PrPSPs CĤPsP·PíPsC‡PëPSP°C,Pë P·
PSP°PNëPSPëP¶C‡PëC... PrPsP· C,P° P· PsP±PµCĤPµP¶PSC-CÍC,CĤ CĬPe PíCĤPë
C-PSC-C‡C-P°C‡C-C— P»C-PeCrPIP°PSPSCĬ, C,P°Pe C- PíC-Pr C‡P°CÍ PíC-PrPIPëC%PµPSPSCĬ
PrPsP·. PµP°C‡C-C”PSC,P°Pj P· PíPsCĤCrCëPµPSPSCĬPj C,,CrPSPeC‡C-C— PíPµC‡C-PSPePë

C, C₁IP₁PePsPiPs C₁C, C₁PiP₁PsC₁ PjPsP₁P₁ P±C₁C, Pē PSP₁PsP±C...C-PrPSPēPj
PiPsC₁C, C₁PiPsPiPēPN₁ PiC-PrP±C-C₁ PrPsP· C, P° C₁P₁C, P₁P»CH₁PSPēPN₁
PjPsPSC-C, PsC₁PēPSPi.

P₁P°C₁C-C''PSC, Pē P»C-C, PSCH₁PsPiPs PIC-PeC₁. P₁C-PrPiPēC%₁C₁PIP°C, Pē PrPsP·C₁
PiP°C₁C-C''PSC, P°Pj P»C-C, PSCH₁PsPiPs PIC-PeC₁ PiPsC, C₁C-P±PSPs P·
PsP±P₁C₁P₁P₁PSC-C₁C, C₁ (PrPēPI. C₁PsP·PrC-P»Pē B«P₁P°C₁PjP°PePsPrPēPSP°PjC-PeP°B» C-
B«P₁PiPsC₁C-P± P·P°C₁C, PsC₁C₁PIP°PSPSC₁ C, P° PrPsP·PēB»).

P₁PēC₁PePsPIP° PSP₁PrPsC₁C, P°C, PSC-C₁C, CH₁. P₁P°PePēPj PiP°C₁C-C''PSC, P°Pj
P°PjP»PsPrPēPiC-PS PjPsP₁PSP° P·P°C₁C, PsC₁PsPIC₁PIP°C, Pē C₁ P·PiPēC₁P°PN₁PSPēC...
PrPsP·P°C.... P₁PsP»PēPIP°PSPSC₁ PePsPSC₁P₁PSC, C₁P°C₁C-C— P°PjP»PsPrPēPiC-PSC₁ C₁
PiP»P°P·PjC- PeC₁PsPIC- PSP₁ P·P°P»P₁P₁P₁P°C, CH₁ PIC-Pr C₁C, C₁PiP₁PsC₁ PSPēC₁PePsPiPsC—
PSP₁PrPsC₁C, P°C, PSPsC₁C, C-. P₁PjP»PsPrPēPiC-PS PSP₁ PiPēPiPsPrPēC, CH₁C₁C₁ PiC-Pr
C₁P°C₁ PrC-P°P»C-P·C₁.

P—P°C₁C, P₁C₁P₁P₁P₁PSPSC₁ C%₁PsPrPs P·P°C₁C, PsC₁C₁PIP°PSPSC₁
P»C-PeP°C₁C₁CH₁PePsPiPs P·P°C₁PsP±C₁ P₁PsC₁PrP₁C₁C-C₁ P₁P₁

P''PsPiPsPjPiP₁PSi C₁P₁C₁PsPiPēPSPē. P''Ps C₁PeP»P°PrC₁ P»C-PeP°C₁C₁CH₁PePsPiPs
P·P°C₁PsP±C₁ PIC...PsPrPēC, CH₁ P»P°PeC, PsP·P°, C, PsPjC₁ PiP°C₁C-C''PSC, P°Pj P·
C₁C₁PsPrP₁P₁PSPsC₁ PSP₁PiP₁C₁P₁PSPsC₁PēPjC-C₁C, C₁ PiP°P»P°PeC, PsP·Pē,
C₁PēPSP₁C₁PsPjPsPj PjP°P»CH₁P°P±C₁PsC₁P±C₁C-C— PiP»CH₁PePsP·Pē C, P°
PiP°P»P°PeC, PsP·Pē, P·P°PiP°P»CH₁PSPēPj PrP₁C, „C-C₁PēC, PsPj P»P°PeC, P°P·Pē PSP₁
C₁P₁PePsPjP₁PSP₁PrPsPIP°PSPs PN₁PsPiPs PiC₁PēP·PSP°C₁P°C, Pē.

P'P·P°C''PjPsPrC-C—. P₁PrPSPsC₁P°C₁PSP₁ P·P°C₁C, PsC₁C₁PIP°PSPSC₁ P»C-C, C-C₁,
PeP°P»C-PN₁P·P±P₁C₁C-PiP°C₁C₁PēC... P»C-PeP°C₁C₁CH₁PePēC... P·P°C₁PsP±C-Pi,
C...P°C₁C₁PsPiPēC... PrPsP±P°PiPsPe, C%₁Ps PjC-C₁C, C₁C, CH₁ PeP°P»C-PN₁, P°P±Ps
PrP°PSC, C₁PsP»P₁PSC₁ P· P»C-PeP°C₁C₁CH₁PePēPj P·P°C₁PsP±PsPj P₁PsC₁PrP₁C₁C-C₁ P₁P₁
PSP₁ C₁P₁PePsPjP₁PSP₁PrPsPIP°PSP₁ (PrPēPI. C₁PsP·PrC-P» B«P'P·P°C''PjPsPrC-C₁ P·
C-PSCēPēPjPē P»C-PeP°C₁C₁CH₁PePēPjPē P·P°C₁PsP±P°PjPē C, P° C-PSCēC- PiPēPrPē
PIP·P°C''PjPsPrC-PN₁B»).

**P—P°C₁C, PsC₁C₁PIP°PSPSC₁ C₁ PiP₁C₁C-PsPr PIP°PiC-C, PSPsC₁C, C- P°P±Ps
PiPsPrC₁PIP°PSPSC₁ PiC₁C₁PrPrC₁.**

P—P°C₁C, PsC₁C₁PIP°PSPSC₁ P»C-PeP°C₁C₁CH₁PePsPiPs P·P°C₁PsP±C₁ P₁PsC₁PrP₁C₁C-C₁
P₁P₁ PiC₁PsC, PēPiPsPeP°P·P°PSP₁ C₁ PiP₁C₁C-PsPr PIP°PiC-C, PSPsC₁C, C-.

P—P°C₁C, PsC₁C₁PIP°PSPSC₁ P»C-PeP°C₁C₁CH₁PePsPiPs P·P°C₁PsP±C₁ P₁PsC₁PrP₁C₁C-C₁
P₁P₁ PSP₁ C₁P₁PePsPjP₁PSP₁PrPsPIP°PSP₁ C₁ PiP₁C₁C-PsPr PiPsPrC₁PIP°PSPSC₁
PiC₁C₁PrPrC₁. Pj C₁P°P·C- PSP₁PsP±C...C-PrPSPsC₁C, C- P·P°C₁C, PsC₁C₁PIP°PSPSC₁
P»C-PeP°C₁C₁CH₁PePsPiPs P·P°C₁PsP±C₁ PiPsPrC₁PIP°PSPSC₁ PiC₁C₁PrPrC₁ C₁P»C-Pr
PiC₁PēPiPēPSPēC, Pē.

P'P°PiC-C, PSC-C₁C, CH₁

P₁P₁C₁PēPSP₁PrPsPiC₁PēP». P—P°C₁C, PsC₁C₁PIP°PSPSC₁ C-PSPiC-P±C-C, PsC₁C-Pi P₁P₁P₁
PiC₁PsC, PēPiPsPeP°P·P°PSP₁ C₁ PiP₁C₁C-PsPr PIP°PiC-C, PSPsC₁C, C-.

PμPμCḡPμPePsPSP»PēPIPēC... PμPīC-PrPμPjC-PsP»PsPiC-C‡PSPēC... PrPsPeP°P·C-PI
 C,PμCḡP°C,PsPiPμPSPSPsPiPs CḡPēP·PēPeCṛ PīCḡPē P·P°CṛC,PsCṛCṛPIP°PSPSC-
 C-PSPiC-P±C-C,PsCḡC-PI PḡPμPα PīCḡPsC,CIPIPsPj P† C,CḡPēPjPμCṛC,CḡCṛ
 PIP°PiC-C,PSPsCṛC,C- PSPμPjP°C"; PsPrPSP°Pe PSPμ PjPsP¶PSP° PIPēPeP»CḡC‡P°C,Pē
 PSPμPIPμP»PēPePμ PīC-PrPIPēC%PμPSPSCḷ C†CHPsPiPs CḡPēP·PēPeCṛ. Pj CḡP°P·C- PePsP»Pē
 PīCḡPsPrPsPIP¶PμPSPSCḷ P»C-PeCṛPIP°PSPSCḷ C-PSPiC-P±C-C,PsCḡP°PjPē PḡPμPα
 PIPIP°P¶P°C",CHCṛCḷ PsP±PsPIbḡ™CIIP·PePsPIPēPj, PīP°C†C-C"°PSC,PsPe, CIIPeC-
 PīP»P°PSCṛCḡC,CH PIP°PiC-C,PSC-CṛC,CH, CṛP»C-Pr PīPμCḡPμPIPμCṛC,Pē PSP°
 P°P»CHC,PμCḡPSP°C,PēPIPSC- P°PSC,PēPiC-PiPμCḡC,PμPSP·PēPIPSC- P»C-PeP°CḡCṛCHPeC-
 P·P°CṛPsP±Pē, CIIPeC- PjP°CḡC,CH PīC-PrC,PIPμCḡPrP¶PμPSCṛ P±PμP·PīPμPeCṛ
 P·P°CṛC,PsCṛCṛPIP°PSPSCḷ Cṛ PīPμCḡC-PsPr PIP°PiC-C,PSPsCṛC,C-. PīPeC%Ps PI
 PīPμCḡC-PsPr P»C-PeCṛPIP°PSPSCḷ PīC-PrC,PIPμCḡPrP¶CṛC",CHCṛCḷ
 PIP°PiC-C,PSC-CṛC,CH, P»C-PeCṛPIP°PSPSCḷ C-PSPiC-P±C-C,PsCḡP°PjPē PḡPμPα CṛP»C-Pr
 PSPμPIP°PMḡPSPs PīCḡPēPīPēPSPēC,Pē C-, CIIPeC%Ps PSPμPsP±C...C-PrPSPs, P·P°PjC-PSPēC,Pē
 C-PSCēPēPj P»C-PeP°CḡCṛCHPePēPj P·P°CṛPsP±PsPj, PrPsP·PIPsP»PμPSPēPj PrP»Cḷ
 P·P°CṛC,PsCṛCṛPIP°PSPSCḷ PIP°PiC-C,PSPēPj. P'·C-PrPsPjPs, C%Ps PīCḡPēPNḡPsPj
 C-PSPiC-P±C-C,PsCḡC-PI PḡPμPα PīC-Pr C‡P°Cṛ P†P† C- P†P†P† C,CḡPēPjPμCṛC,CḡC-PI
 PIP°PiC-C,PSPsCṛC,C- PīCḡPēP·PIPsPrPēC,CH PrPs C,,PμC,PsC,PsPeCṛPēC‡PSPsCṛC,C-
 (PīPsCḡCṛCēPμPSPSCḷ C,,CṛPSPeC†C-C— PSPēCḡPsPe, PjP°P»PsPIPsPrPrCḷ,
 CṛPīPsPIC-P»CHPSPμPSPSCḷ C,,PsCḡPjCṛPIP°PSPSCḷ PeC-CṛC,PePsPIPsC— C,PeP°PSPēPSPē
 C‡PμCḡPμPīP°) C,P° PrPs PSPμPsPSP°C,P°P»CHPSPsC— C,PsPeCṛPēC‡PSPsCṛC,C-
 (PSPēCḡPePsPIP° PSPμPrPsCṛC,P°C,PSC-CṛC,CH, P°CḡC,PμCḡC-P°P»CHPSP°
 PiC-PīPsC,PμPSP·C-Cḷ, PiC-PiPμCḡPeP°P»C-C"°PjC-Cḷ). PīPeC%Ps P¶
 C-PSPiC-P±C-C,PsCḡPē PḡPμPα PīCḡPēPNḡPjP°P»Pē P· P†P† C,CḡPēPjPμCṛC,CḡCṛ
 PIP°PiC-C,PSPsCṛC,C-, CḡPμPePsPjPμPSPPrPsPIP°PSPs CṛP»CHC,CḡP°P·PICṛPePsPIPμ
 PsP±CṛC,PμP¶PμPSPSCḷ C,,CṛPSPeC†C-PNḡ PSPēCḡPsPe C,P° P±CṛPrPsPIPē
 C‡PμCḡPμPīP° PSPsPIPsPSP°CḡPsPrP¶PμPSPsPiPs. P—P°
 PSPsPIPsPSP°CḡPsPrP¶PμPSPēPjPē, C‡PēC— PjP°C,PμCḡC- Cṛ PīPμCḡC-PsPr
 PIP°PiC-C,PSPsCṛC,C- PīCḡPēPNḡPjP°P»Pē C-PSPiC-P±C-C,PsCḡPē PḡPμPα, CṛP»C-Pr
 CṛPīPsCṛC,PμCḡC-PiP°C,Pē PrP»Cḷ CṛPIPSC"°C‡P°CṛPSPsPiPs PIPēCḷPIP»PμPSPSCḷ C-
 PePsCḡPμPeC†C-C— P°CḡC,PμCḡC-P°P»CHPSPsC— PiC-PīPsC,PμPSP·C-C—.

PḡPjP»PsPrPēPiC-PS. P'PμP·PīPμPeCṛ P·P°CṛC,PsCṛCṛPIP°PSPSCḷ P°PjP»PsPrPēPiC-PSCṛ
 PIP°PiC-C,PSPēPjPē P¶C-PSPeP°PjPē PICṛC,P°PSPsPIP»PμPSPs PSPμ P±CṛP»Ps. Pj
 PrPsCṛP»C-PrP¶PμPSPSCḷC... PSP° C,PIP°CḡPēPSP°C... C,PsPeCṛPēC‡PSPēPNḡ PIPīP»PēPI PSP°
 CḡPμPīCḡPsPrCṛPeC,PēPIPSC-CṛC,CH CṛPīPsCṛC,PμCḡC-PiP°PICṛCḷ PīC-Pr C‡P°Cṛ
 PIPIPμPrPμPSPSCḷ PIPēCṛPsPePēC... PrPsP·. P—P°CṛC,PsCṛCṛPIP°PSPSCḷ
 P»C-PeP°CḡCṛCHPePsPiPs P·P°CṛPsP±Cṛ Cṛ PīPμCḡC-PsPr PIP°PiC-C,PSPsCṛC,C-
 CḡPμPePsPjPμPSPPrPsPIP°PSPμ C,C-P»CHPePē Cṛ CḡP°P·C- PIC-PrCṛCṛC,PSPsCṛC,C-
 P±PμP·PīPμC‡PSC-CēPsPiPs P°P»CHC,PμCḡPSP°C,PēPIPSPsPiPs P»C-PeCṛPIP°PSPSCḷ C-
 PePsP»Pē P·P°C...PIPsCḡCḡPIP°PSPSCḷ PjP°C" P±C-P»CHCēPēPNḡ CḡPēP·PēPe PrP»Cḷ
 PIP°PiC-C,PSPsC— C,P° PīP»PsPrP°.

P"PsPrC‡PIP°PSPSCḷ PīCḡC‡PrPrCḡ

PμPμCḡPēPSPPrPsPīCḡPēP». P'Pμ CḡPμPePsPjPμPSPPrPsPIP°PSPs P·P°CṛC,PsCṛCṛPIP°PSPSCḷ
 PīPμCḡPēPSPPrPsPīCḡPēP»Cṛ Cṛ PīPμCḡC-PsPr PīPsPrCṛPIP°PSPSCḷ PīCḡCṛPrPrCḡ Cṛ

P·PIBTM CИP·PeCí P· PIC-PrCíCíC,PSC-CíC,CH PrP°PSPëC.... PиC-Pr C±P°Cí
PiPsPrCíPIP°PSPSCИ PiCíCíPrPrCí P±P°P¶P°PSPs PiCíPëP·PSP°C±PëC,Pë
P°P»CHC,PиCíPSP°C,PëPIPSPI P»C-PeCíPIP°PSPSCИ C-P· P±C-P»CHC€
PrPsCíP»C-PrP¶PиPSPëPj PiCíPSc,„C-P»PиPj P±PиP·PiPиPePë, PsCíPsP±P»PëPIPs PiC-Pr
C±P°Cí PiPsPrCíPIP°PSPSCИ PSPsPIPsPSP°CíPsPrP¶PиPSPsPiPs P°P±Ps
PSPиPrPsPSPsC€PиPSPsPiPs PSPиPjPsPIP»CИC,Pë.

PñPjP»PsPrPëPiC-PS. PñPjP»PsPrPëPiC-PS PiCíPsPSPëPeP°C” Cí PiCíCíPrPSPи PjPsP»PsPePs.
P”PsP·P°, PsC,CíPëPjP°PSP° PSPиPjPsPIP»CИPj, PsC†C-PSCíPIP°P»P°CíCИ PSP°
PjC-P¶PePIP°CíC,PëP»CHPSC-PNë PsCíPSPsPIC- C- P·PSP°C...PsPrPëC,CHCíCИ PI
PrC-P°PiP°P·PsPSC- 3бí”7 % P· PjP°PeCíPëPjP°P»CHPSPëPj P·PSP°C±PиPSPSCИPj 15 % PIC-Pr
PiCíPëPNëPSCИC,PsC— PjP°C,C-Cíбí”Cí PrPsP·Pë. P’PiP»PëPI P°PjP»PsPrPëPiC-PSCí PSP°
PSPиPjPsPIP»CИC, PSPиPIC-PrPsPjPëPNë. P C-C€PиPSPSCИ C%PsPrPs
PiCíPsPrPsPIP¶PиPSPSCИ/PiCíPëPiPëPSPиPSPSCИ PiPsPrCíPIP°PSPSCИ PiCíCíPrPrCí
P°P±Ps PiCíPsPrPsPIP¶PиPSPSCИ/PiCíPëPiPëPSPиPSPSCИ P»C-PeCíPIP°PSPSCИ
P°PjP»PsPrPëPiC-PSPsPj CíP»C-Pr PiCíPëPNëPjP°C,Pë, P±PиCíCíC±Pë PrPs CíPIP°PiPë
PePsCíPëCíC,CH PIC-Pr PiPsPrCíPIP°PSPSCИ PiCíCíPrPrCí PrP»CИ PrPëC,PëPSPë C-
PePsCíPëCíC,CH PIC-Pr P»C-PeCíPIP°PSPSCИ P°PjP»PsPrPëPiC-PSPsPj PrP»CИ PjP°C,PиCíC-.

PαPиCíC,PëP»CHPSC-CíC,CH

PиPиCíPëPSPPrPsPiCíPëP». P’PiP»PëPI PSP° CíPиPiCíPsPrCíPeC,PëPIPSCr C,,CíPSPeC†C-CH
P°P±Ps C,,PиCíC,PëP»CHPSC-CíC,CH PIC-PrCíCíC,PSC-PNë.

PñPjP»PsPrPëPiC-PS. PиCíPs PsP±PsCíPsC,PSC- P±C-PsC...C-PjC-C±PSC- P·PjC-PSPë Cí
PiPsP»PsPIC†C- CíPiPиCíPjP°C,PsP·PsC—PrP° PiPsPIC-PrPsPjP»CИP»Pë Cí PrPиCИPePëC...
PiP°C†C-C”PSC,C-PI, CИPeC- P»C-PeCíPIP°P»PëCíCИ P±P»PsPeP°C,PsCíP°PjPë
PeP°P»CHC†C-C”PIPëC... PeP°PSP°P»C-PI. PñP»C-PSC-C±PSC- PrP°PSC- C%PsPrPs
PiPsC,PиPSC†C-PNëPSPsPiPs PiPiP»PëPICí P°PjP»PsPrPëPiC-PSCí PSP°
C,,PиCíC,PëP»CHPSC-CíC,CH C” PSPиPrPsCíC,P°C,PSC-PjPë. P’C-PrPsPjPs, C%Ps Cí
PrPsCíP»C-PrP¶PиPSPSC- PSP° C%CrCíP°C... P±CíP»Ps PiPëCИPIP»PиPSPs PiPsP±C-C±PSCí
PrC-CH PSP° C,,PиCíC,PëP»CHPSC-CíC,CH CíP°PjC†C-PI.

***P—PrP°C,PSC-CíC,CH PIPiP»PëPIP°C,Pë PSP° C€PIPëPrPeC-CíC,CH CíPиP°PeC†C-C—
PiCíPë PePиCíCíPIP°PSPSC- P°PIC,PsC,CíP°PSCíPiPsCíC,PsPj P°P±Ps C-PSC€PëPjPë
PjPиC...P°PSC-P·PjP°PjPë.***

P”PsCíP»C-PrP¶PиPSPSCИ C%PsPrPs PiPiP»PëPICí P»C-PeP°CíCíCHPePsPiPs P·P°CíPsP±Cí
PñPsCíPrPиCíC-CИ PñPñ PSP° P·PrP°C,PSC-CíC,CH PePиCíCíPIP°C,Pë
C,CíP°PSCíPiPsCíC,PSPëPjPë P·P°CíPsP±P°PjPë C,P° PiCíP°C†CHPIP°C,Pë P· C-PSC€PëPjPë
PjPиC...P°PSC-P·PjP°PjPë PSPи PiCíPsPIPsPrPëP»Pë. PñPjP»PsPrPëPiC-PS PjPsP¶Pи
C±PëPSPëC,Pë PSPиP·PSP°C±PSPëPNë P°P±Ps PiPsPjC-CíPSPëPNë PiPiP»PëPI PSP°
P·PrP°C,PSC-CíC,CH PePиCíCíPIP°C,Pë C,CíP°PSCíPiPsCíC,PSPëPjPë P·P°CíPsP±P°PjPë C,P°
PiCíP°C†CHPIP°C,Pë P· C-PSC€PëPjPë PjPиC...P°PSC-P·PjP°PjPë. PñPsP¶P»PëPIPи
PiPsCíCíC€PиPSPSCИ CíPиP°PeC†C-C— PiPsPrC-CИ Cí CíP°P·C- PiPëPSPëPePSPиPSPSCИ
P·P°PiP°PjPsCíPsC±PиPSPSCИ, PiPsP»PsPIPSPiPs P±PsP»CH, CíP»P°P±PePsCíC,C-,
CíC,PsPjP»CHPIP°PSPsCíC,C- P°P±Ps PSCíPrPsC,Pë. P PиPePsPjPиPSPPrPsPIP°PSPs P±CíC,Pë
PsP±PиCíPиP¶PSPëPjPë, PsCíPsP±P»PëPIPs PSP° PiPsC±P°C,PeCí P»C-PeCíPIP°PSPSCИ.

PuPsC7C2C€PμPSPSC7C,,C2PSPeC7C-C— PiPμC7C-PSPePē (PrPēPl. C7PsP·PrC-P»Pē B«PhC7PsP±P»PēPIPsC7C,C- P·P°C7C,PSC7C7PIP°PSPSC7CB» C,P° B«PαP°C7PiP°PePsPeC-PSPμC,PēPeP°B»).

Р'С-РrCГ'СrC, PSC- CГPμPePsPjPμPSPPrP°C†C-C— C%PsPrPs PrPsP·CрPIP°PSPSCЦ PrP»CЦ
 PIP°C†C-C" PSC, C-PI P· P»PμPiPePëPj C, P° PìPsPjC-CГPSPëPj PìPsCГCрC€PμPSPSCЦPj
 C,,CрPSPeC†C-C— PìPμC†C-PSPePë, C,PsPjCр PìC-PrP±PëCГP°C,Pë PrPsP·Cр PìPsC,CГC-P±PSPs
 PsP±PμCГPμP¶PSPs, CГPsP·PìPsC†PëPSP°C,Pë C,PμCГP°PìC-CГ CГP»C-Pr P·
 PSP°PNëPSPëP¶C†PëC... PrPsP· (PrPëPI. CГPsP·PrC-P»Pë B«PhCГPsP±P»PëPIPsCГC,C-
 P·P°CГC,PsCГCрPIP°PSPSCЦB» C,P° B«PαP°CГPjP°PePsPeC-PSPμC,PëPeP°B»). P"P»CЦ
 PIPëP±PsCГCр PsPìC,PëPjP°P»CHPSPsC— PìPsC†P°C,PePsPIPsC— C,P°
 PìC-PrC,CГPëPjCрCГC†PsC— PrPsP·Pë P»C-PeP°CГCГCHPePsPiPs P·P°CГPsP±Cр
 PIP°C†C-C" PSC,P°Pj P· PìPsCГCрC€PμPSPSCЦPj C,,CрPSPeC†C-C— PìPμC†C-PSPePë
 PSPμPsP±C...C-PrPSPs PsPeCГPμPjPs PìC-PrP±PëCГP°C,Pë PrPsP·Cр P°PjP»PsPrPëPìC-PSCр C-
 PìPμCГPëPSPPrPsPìCГPëP»Cр. P"PsCГP»C-PrP¶PμPSPSCЦ C,,P°CГPjP°PePsPeC-PSPμC,PëPePë
 P°PjP»PsPrPëPìC-PSCр Cр PìP°C†C-C" PSC, C-PI P· C,CЦP¶PePëPj PìPsCГCрC€PμPSPSCЦPj
 C,,CрPSPeC†C-C— PìPμC†C-PSPePë PSPμ PìCГPsPIPsPrPëP»Pë. PμP°C†C-C" PSC,P°Pj P·
 PìPsCГCрC€PμPSPSCЦPj C,,CрPSPeC†C-C— PìPμC†C-PSPePë C,CЦP¶PePsPiPs CГC,CрPìPμPSCЦ
 PìCГPëPμPsPj P°PjP»PsPrPëPìC-PSCр CГP»C-Pr CГPsP·PìPsC†PëPSP°C,Pë P·
 PSP°PNëPSPëP¶C†PëC... PrPsP·, CЦPeC- PìC-PrPIPëC%CrCГC,CH PìPsCГC,CрPìPsPIPs.

P"С-С,Рë.

РлPsCГPrPμCГC-CЦ PhPҺ PSPμ CГPμPePsPjPμPSPPrCрC"С,CHCГCЦ PìCГPëP·PSP°C†P°C,Pë
 PrC-C,CЦPj C†PμCГPμP· PIC-PrCГCрC, PSC-CГC,CH PrPsCГP»C-PrP¶PμPSCH P· CрC†P°CГC,CГ
 C†C-C"С— PìCГCрPìPë PìP°C†C-C" PSC, C-PI.

PμPμCГPμPrPsP·CзPIP°PSPSCЦ.

PμCГPs PIPëPìP°PrPePë PìPμCГPμPrPsP·CрPIP°PSPSCЦ P»C-PeP°CГCГCHPePsPiPs
 P·P°CГPsP±Cр РлPsCГPrPμCГC-CЦ PhPҺ PSPμ PìPsPIC-PrPsPjP»CЦP»PsCГCЦ. P"°PSC-
 C%PsPrPs CГPIC-PrPsPjPsPiPs PìPμCГPμPrPsP·CрPIP°PSPSCЦ P°PjP»PsPrPëPìC-PSCз C"
 PsP±PjPμP¶PμPSPëPjPë.

PŸPëPjPìC,PsPjPë: P·P° PSP°CЦPIPSPëPjPë PrP°PSPëPjPë PìCГPëPìCрCГPeP°CГC,CH, C%Ps
 PìCГPëPμPsPj PrCрP¶Pμ PIPμP»PëPePëC... PrPsP· PjPsP¶Pμ PìCГPëP·PIPμCГC,Pë PrPs
 PSP°PrPjC-CГPSPsC— PìPμCГPëC,,PμCГPëC†PSPsC— PIP°P·PsPrPëP»P°C,P°C†C-C— C,P°
 PìPsPjC-CГPSPsPiPs PIPëPSPëPePSPμPSPSCЦ CГPμC,,P»PμPeC,PsCГPSPsC—
 C,P°C...C-PeP°CГPrC-C—. PμPsPIC-PrPsPjP»CЦP»Pë PìCГPs PIPëCГP°P¶PμPSCр,
 PjPsP¶P»PëPIPs, C,CГPëPIP°P»Cр CГPëCГC,PμPjPSCр PìC-PìPsC,PμPSP·C-CГ C,P° C€PsPe P·
 P»PμC,P°P»CHPSPëPj PSP°CГP»C-PrPePsPj. P C-PrPePs PìPsPIC-PrPsPjP»CЦP»Pë PìCГPs
 CГPsP·PIPëC,PsPe PSPμPeP°CГPrC-PsPiPμPSPSPsPiPs PSP°P±CГCЦPeCр P»PμPiPμPSC-PI CЦPe
 PSP°CГP»C-PrPsPe PìPμCГPμPrPsP·CрPIP°PSPSCЦ P°PjP»PsPrPëPìC-PSCр, CЦPePëPNë PjPsP¶Pμ
 CГPsP·PIPëPIP°C,PëCГCЦ PIC-PrC,PμCГPjC-PSPsPIP°PSPs (C†PμCГPμP· 24БГ"48 PìPsPrPëPS
 PìC-CГP»CЦ PìCГPëPμPsPjCр) C- PìPsC,CГPμP±CрPIP°C,Pë C€C,CрC†PSPsC—
 PIPμPSC,PëP»CЦC†C-C— P»PμPiPμPSCH. PμCГPsPIPsPeCрCГC†PëPjPë C,,P°PeC,PsCГP°PjPë
 PjPsP¶CрC,CH P±CрC,Pë CГP°PSPSC- CГPμP°PSC-PjP°C†C-PNëPSC- P·P°C...PsPrPë
 (PIPeP»CГC†P°CГC†Pë PìPμCГPμPIP°PSC,P°P¶PμPSPSCЦ CГC-PrPëPSPsCГ) PrP»CЦ
 PìC-PrC,CГPëPjPePë PìPμCГC,,CрP·C-C— C,P° CГPμCГC†PμPIPsPiPs PIPëPePëPrCр.

P»C-PeCрPIP°PSPSCЦ: PeP»C-PSC-C†PSPs PIPëCГP°P¶PμPSP° PìC-PìPsC,PμPSP·C-CЦ,
 CГPìCГPëC†PëPSPμPSP° PìPμCГPμPrPsP·CрPIP°PSPSCЦPj P°PjP»PsPrPëPìC-PSCр,

PiPsC, C₇H₁₀P₂±C₇C” P°PeC, PēPIPS₂PsC— PeP°C₇PrC–PsPIP°C₇PeC₇P»C₇IC₇PSP₂PsC—
PrPsPiPsPjPsPiPē, P·PsPeC₇P₂PjP° C₇P°C₇C, PsPiPs PjPsPSC–C, PsC₇H₁₀PēPSPiC₇ C,, C₇PSPeC₇C–C—
C₇P₂C₇C₇C₇ C, P° C₇H₁₀C₇PiC–C₇H₁₀P°C, PsC₇H₁₀PSP₂PsC— C,, C₇PSPeC₇C–C—, PSP°PrP°PSPSC₇
PiP°C₇C–C”PSC, C₇ PiPsC₇H₁₀PēP·PsPSC, P°P»CH₂PSP₂PiPs PiPsP»PsP₇P₂PSPSC₇ P·
PiC–PrPSC₇C, C, C₇Pj PSPēP₇PSC–C... PeC–PSC₇C–PIP₂Pe, C– PiPsC, C₇H₁₀P₂±C₇C”
C₇PIP°P₇PSP₂PiPs C₇C, P₂P₇P₂PSPSC₇ P·P° PsP±B₇™ C”PjPsPj C₇PēC₇H₁₀PeC₇P»C₇H₁₀C₇PsC—
PeC₇PsPIC– C, P° C₇P₂C₇PsPIPēPrC–P»P₂PSPSC₇Pj.

P₂C₇H₁₀PēP·PSP°C₇P₂PSPSC₇ PIP°P·PsPePsPSC₇C, C₇H₁₀PēPeC, PsC₇H₁₀P° PjPsP₇P₂ P±C₇C, Pē
PePsC₇H₁₀PēC₇PSPēPj PrP»C₇ PIC–PrPSP₂PIP»P₂PSPSC₇ C, PsPSC₇C₇C₇ C₇C₇PrPēPS C, P°
P°C₇C, P₂C₇H₁₀C–P°P»CH₂PSP₂PiPs C, PēC₇PēC₇, C₇PeC%Ps PIC–PrC₇C₇C, PSC–
PiC₇H₁₀PsC, PēPiPsPeP°P·P°PSPSC₇. P’PSC₇C, C₇H₁₀C–CēPSC₇H₁₀PsPIP₂PSPSP₂ PIPiP₂PrP₂PSPSC₇
PeP°P»CH₂C₇C–C₇ PiP»C₇H₁₀PePsPSP°C, C₇ PjPsP₇P₂ PrPsPiPsPjPsPiC, Pē C₇C₇C₇PSP₂PSPSC₇
PSP°C₇P»C–PrPeC–PI P±P»PsPeP°PrPē PeP°P»CH₂C₇C–C”PIPēC... PeP°PSP°P»C–PI.

Pj PrP₂C₇PePēC... PIPēPiP°PrPeP°C... C” PrPsC₇C–P»CH₂PSPēPj PiC₇H₁₀PsPjPēPIP°PSPSC₇
CēP»C₇PSPeP°. P”PsC₇P»C–PrP₇P₂PSPSC₇ P·P° C₇C₇P°C₇C, C₇ PrPsP±C₇PsPiPsP»CH₂C₇C–PI
PiC₇H₁₀PsPrP₂PjPsPSC₇C, C₇C₇PIP°P»Ps, C%Ps PiC₇H₁₀PēP₂PsPj P°PeC, PēPIPsPIP°PSP₂PiPs
PIC₇PiC–P»P»C₇ C₇P₂C₇H₁₀P₂· 2 PiPsPrPēPSPē PiC–C₇P»C₇ PiC₇H₁₀PēP₂PsPjC₇ 10 PjPi
P°PjP»PsPrPēPiC–PSC₇ P·PSPēP₇C₇C” CēPIPēPrPeC–C₇C, C₇ P°P±C₇PsC₇H₁₀P±C₇C–C—
P°PjP»PsPrPēPiC–PSC₇ PI PsC₇H₁₀PiP°PSC–P·PjC–. Pj C₇PēC₇C, P₂PjPSP₂PjC₇
PeC₇PsPiPsPsP±C–PiC₇ P°PjP»PsPrPēPiC–PS PjP°C” PIPēC₇PsPePēP₂ C₇H₁₀C–PIP₂PSCH₂
P·PiB₇™ C₇IP·C₇PIP°PSPSC₇ P· P±C–P»PeP°PjPē PeC₇PsPIC–, C, PsPjC₇ PiP₂PjPsPrC–P°P»C–P·
PSP₂ P₂C,, P₂PeC, PēPIPS₂PēP₂.

P₇PSC,, PsC₇H₁₀PjP°C₇C–C₇ PiC₇H₁₀Ps PiP₂C₇H₁₀PrPsP·C₇PIP°PSPSC₇ PiP₂C₇H₁₀PēPSP₂PrPsPiC₇H₁₀PēP»C₇C”
PsP±PjP₂P₇P₂PSP₂PsC₇. P₂C₇H₁₀Pē PiP₂C₇H₁₀PrPsP·C₇PIP°PSPSC– C–PSPiC–P±C–C, PsC₇H₁₀C–PI P₇P₂P₂
PjPsP₇C₇C, C₇ PIPēPSPēPePSC₇C, Pē PiC–PiPsC, P₂PSP·C–C₇, C₇PēC₇H₁₀PeC₇P»C₇IC, PsC₇H₁₀PSPēP₂
CēPsPe, PiPsC₇H₁₀C₇CēP₂PSPSC₇ P₂P»P₂PeC, C₇H₁₀PsP»C–C, PSP₂PiPs P±P°P»P°PSC₇C₇,
PSPēC₇H₁₀PePsPIP° PSP₂PrPsC₇C, P°C, PSC–C₇C, C₇, PiC–PiP₂C₇PIP₂PSC, PēP»C₇IC₇C–C₇,
C, P°C...C–PeP°C₇PrC–C₇, PiP°P»CH₂PiC–C, P°C₇C–C₇, P±C₇H₁₀P°PrPēPeP°C₇PrC–C₇,
P·P°PiP°PjPsC₇PsC₇P₂PSPSC₇, C, C₇H₁₀PēPIPsP₇PSC–C₇C, C₇ C, P° PeP°CēP₂P»C₇.

P₂C₇H₁₀Pē PiP₂C₇H₁₀PrPsP·C₇PIP°PSPSC– C₇H₁₀PePsPjP₂PSP₂PrC₇C”C, C₇H₁₀C₇C₇
PIPSC₇C, C₇H₁₀C–CēPSC₇H₁₀PsPIP₂PSPSP₂ PIPiP₂PrP₂PSPSC₇ C₇H₁₀PsP·C₇PēPSC₇ C...P»PsC₇H₁₀PēPrC₇
PSP°C, C₇H₁₀C–C₇ 0,9 %. Pj C₇H₁₀P°P·C– PIPēPSPēPePSP₂PSPSC₇ PiC–PiPsC, P₂PSP·C–C—
PiP°C₇C–C”PSC, C₇ PSP₂PsP±C...C–PrPSP₂ PSP°PrP°C, Pē PiPsC₇H₁₀PēP·PsPSC, P°P»CH₂PSP₂PiPs
PiPsP»PsP₇P₂PSPSC₇. P₇P»C–Pr C₇H₁₀PsP·PiP»C₇IPSC₇C, Pē PjPsP₇P»PēPIC–C₇C, C₇
PiC₇H₁₀PsPIP₂PrP₂PSPSC₇ C–PSC,, C₇P·C–C— P· P°PSPiC–PsC, P₂PSP·PēPSP₂Pj P₇P₇ C, P°/P°P±Ps
PIPSC₇C, C₇H₁₀C–CēPSC₇H₁₀PsPIP₂PSPSP₂PiPs PIPiP₂PrP₂PSPSC₇ PeP°C, P₂C...PsP»P°PjC–PSC–PI.
P₂P₂C₇H₁₀PēPSP₂PrPsPiC₇H₁₀PēP» PjPsP₇P₂ P±C₇C, Pē PIPēPIP₂PrP₂PSPēP₂ P· C₇PēC₇C, P₂PjPSP₂PiPs
PeC₇PsPiPsPsP±C–PiC₇ P·P° PrPsPiPsPjPsPiPsC₇ PiP₂PjPsPrC–P°P»C–P·C₇ (PrPēPI. C₇H₁₀PsP·PrC–P»
B«P₇C₇PsP±P»PēPIPsC₇C, C– P·P°C₇C, PsC₇C₇PIP°PSPSC₇IB»). P₂C₇H₁₀Pē PIPēPSPēPePSP₂PSPSC–
C₇C, C–P₂PePsC— PrPs P»C–PeC₇PIP°PSPSC₇ P±C₇H₁₀P°PrPēPeP°C₇PrC–C— PjPsP₇P»PēPIP₂
P·P°C₇C, PsC₇PsPIC₇PIP°PSPSC₇ CēC, C₇C₇PsP₂PiPs PIP₂PrC–C₇ C₇H₁₀PēC, PjC₇.
P₇P₂PsP±C...C–PrPSPēP₂ PiPsC₇C, C–P₂PSPēP₂ PjPsPSC–C, PsC₇H₁₀PēPSPi PsC₇PSP₂PIPSPēC...
PiPsPeP°P·PSPēPeC–PI P₇PēC, C, C”PrC–C₇P»CH₂PSP₂C₇C, C–, C₇H₁₀C–PIPSC₇
PePsPSC₇P₂PSC, C₇H₁₀P°C₇C–C— P₂P»P₂PeC, C₇H₁₀PsP»C–C, C–PI C, P° PeC₇H₁₀P°C, PēPSC–PSC₇ C₇
C₇PēC₇PsPIP°C, C₇C– PeC₇PsPIC–.

$\text{P}\dot{\text{K}}\text{P}^{\circ}\text{P}\text{N}_{\text{e}}\text{C}\dot{\text{P}}^{\circ}\text{C}\dot{\text{I}}\text{C}, \text{C}-\text{C}\dot{\text{e}}\text{P}\ddot{\text{e}}\text{P}\text{jP}\ddot{\text{e}} \text{P}\dot{\text{i}}\text{P}\text{sP}\pm\text{C}-\text{C}\dot{\text{P}}\text{SP}\ddot{\text{e}}\text{P}\text{jP}\ddot{\text{e}} \text{C}\dot{\text{H}}\text{P}_{\mu}\text{P}^{\circ}\text{P}\text{eC}\dot{\text{t}}\text{C}-\text{C}\dot{\text{I}}\text{P}\text{jP}\ddot{\text{e}}, \text{P}\dot{\text{i}}\text{C}\dot{\text{H}}\text{P}\text{s} \text{C}\dot{\text{I}}\text{P}\text{eC}-$
 $\text{P}\dot{\text{i}}\text{P}\text{sP}\text{IC}-\text{P}\dot{\text{r}}\text{P}\text{sP}\text{jP}\gg\text{C}\dot{\text{I}}\text{P}\gg\text{P}\text{sC}\dot{\text{I}}\text{C}\dot{\text{I}} \text{P}\dot{\text{i}}\text{C}\dot{\text{H}}\text{P}\ddot{\text{e}} \text{P}\text{sP}\text{eC}\dot{\text{H}}\text{P}_{\mu}\text{P}\text{jP}\text{sP}\text{jC}\dot{\text{r}} \text{P}\cdot\text{P}^{\circ}\text{C}\dot{\text{I}}\text{C}, \text{P}\text{sC}\dot{\text{I}}\text{C}\dot{\text{r}}\text{P}\text{IP}^{\circ}\text{PSPSC}-$
 $\text{P}\dot{\text{i}}\text{P}_{\mu}\text{C}\dot{\text{H}}\text{P}\ddot{\text{e}}\text{PSP}\dot{\text{r}}\text{P}\text{sP}\dot{\text{i}}\text{C}\dot{\text{H}}\text{P}\ddot{\text{e}}\text{P}\gg\text{C}\dot{\text{r}} \text{P}\text{N}_{\text{e}} \text{P}^{\circ}\text{P}\text{jP}\gg\text{P}\text{sP}\dot{\text{r}}\text{P}\ddot{\text{e}}\text{P}\dot{\text{i}}\text{C}-\text{PSC}\dot{\text{r}}, \text{C}^{\circ}: \text{PSP}^{\circ}\text{P}\pm\text{C}\dot{\text{H}}\text{C}\dot{\text{I}}\text{P}\text{eP}\ddot{\text{e}},$
 $\text{C}\dot{\text{I}}\text{P}\text{sPSP}\gg\text{P}\ddot{\text{e}}\text{PIC}-\text{C}\dot{\text{I}}\text{C}, \text{CH}_{\text{b}}, \text{P}\cdot\text{P}^{\circ}\text{P}\dot{\text{i}}\text{P}^{\circ}\text{P}\text{jP}\text{sC}\dot{\text{H}}\text{P}\text{sC}\dot{\text{P}}_{\mu}\text{PSPSC}\dot{\text{I}}, \text{P}\dot{\text{i}}\text{P}\text{sP}\gg\text{P}\text{sP}\text{IPSP}\ddot{\text{e}}\text{P}\text{N}_{\text{e}} \text{P}\pm\text{C}-\text{P}\gg\text{CH}_{\text{b}}$
 $(\text{P}\text{sC}\dot{\text{I}}\text{P}\text{sP}\pm\text{P}\gg\text{P}\ddot{\text{e}}\text{PIP}\text{s} \text{PSP}^{\circ} \text{P}\dot{\text{i}}\text{P}\text{sC}\dot{\text{P}}^{\circ}\text{C}, \text{P}\text{eC}\dot{\text{r}} \text{P}\gg\text{C}-\text{P}\text{eC}\dot{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\dot{\text{I}}), \text{C}\dot{\text{I}}\text{P}\dot{\text{i}}\text{P}\text{sC}, \text{PIP}\text{sC}\dot{\text{H}}\text{P}_{\mu}\text{PSPSC}\dot{\text{I}}$
 $\text{C}\dot{\text{I}}\text{P}\text{jP}^{\circ}\text{P}\text{eC}\dot{\text{r}} (\text{P}\dot{\text{r}}\text{P}\ddot{\text{e}}\text{C}\dot{\text{I}}\text{P}\dot{\text{i}}\text{P}_{\mu}\text{PIP}\cdot\text{C}-\text{C}\dot{\text{I}}), \text{P}\dot{\text{i}}\text{P}^{\circ}\text{C}\dot{\text{H}}\text{P}_{\mu}\text{C}\dot{\text{I}}\text{C}, \text{P}_{\mu}\text{P}\cdot\text{C}-\text{C}\dot{\text{I}}, \text{P}\dot{\text{i}}\text{P}\text{sC}\dot{\text{H}}\text{C}\dot{\text{r}}\text{C}\dot{\text{e}}\text{P}_{\mu}\text{PSPSC}\dot{\text{I}} \text{P}\cdot\text{P}\text{sC}\dot{\text{H}}\text{C}\dot{\text{r}}$
 $(\text{PIP}\text{eP}\gg\text{C}\dot{\text{H}}\text{C}\dot{\text{P}}^{\circ}\text{C}\dot{\text{H}}\text{C}\dot{\text{P}}\ddot{\text{e}} \text{P}\dot{\text{r}}\text{PIP}\text{sC}-\text{PSPSC}\dot{\text{I}}), \text{P}\dot{\text{r}}\text{P}\cdot\text{PIC}-\text{PS} \text{C}\dot{\text{r}} \text{PIC}\dot{\text{r}}\text{C}...\text{P}^{\circ}\text{C}..., \text{PIP}_{\mu}\text{C}\dot{\text{H}}\text{C}, \text{P}\ddot{\text{e}}\text{P}\dot{\text{i}}\text{P}\text{s},$
 $\text{P}\dot{\text{i}}\text{P}^{\circ}\text{P}\gg\text{CH}_{\text{b}}\text{P}\dot{\text{i}}\text{C}-\text{C}, \text{P}^{\circ}\text{C}\dot{\text{t}}\text{C}-\text{C}\dot{\text{I}}, \text{P}\dot{\text{i}}\text{C}\dot{\text{H}}\text{P}\ddot{\text{e}}\text{P}\dot{\text{i}}\text{P}\gg\text{P}\ddot{\text{e}}\text{PIP}\ddot{\text{e}}, \text{P}\dot{\text{i}}\text{C}-\text{P}\dot{\text{i}}\text{P}\text{sC}, \text{P}_{\mu}\text{PSP}\cdot\text{C}-\text{C}\dot{\text{I}} (\text{C}, \text{P}^{\circ}$
 $\text{P}\dot{\text{i}}\text{P}\text{sP}\text{Ib}\dot{\text{H}}^{\text{TM}} \text{C}\dot{\text{I}}\text{P}\cdot\text{P}^{\circ}\text{PSC}- \text{P}\cdot\text{PSP}_{\mu}\text{C}\dot{\text{H}} \text{C}\dot{\text{I}}\text{P}\ddot{\text{e}}\text{P}\text{jP}\dot{\text{i}}\text{C}, \text{P}\text{sP}\text{jP}\ddot{\text{e}}), \text{P}\cdot\text{P}^{\circ}\text{P}\dot{\text{r}}\text{P}\ddot{\text{e}}\text{C}\dot{\text{e}}\text{P}\text{eP}^{\circ}, \text{P}\text{eP}^{\circ}\text{C}\dot{\text{e}}\text{P}_{\mu}\text{P}\gg\text{CH}_{\text{b}},$
 $\text{P}\pm\text{C}-\text{P}\gg\text{CH}_{\text{b}} \text{C}\dot{\text{r}} \text{P}\P\ddot{\text{e}}\text{PIP}\text{sC}, \text{C}-, \text{PSC}\dot{\text{r}}\text{P}\dot{\text{r}}\text{P}\text{sC}, \text{P}^{\circ}, \text{P}\pm\text{P}\gg\text{C}\dot{\text{H}}\text{PIP}^{\circ}\text{PSPSC}\dot{\text{I}}, \text{P}\dot{\text{r}}\text{P}\ddot{\text{e}}\text{C}\dot{\text{I}}\text{P}\dot{\text{i}}\text{P}_{\mu}\text{P}\dot{\text{i}}\text{C}\dot{\text{I}}\text{C}-\text{C}\dot{\text{I}},$
 $\text{P}\cdot\text{P}\text{jC}-\text{PSP}^{\circ} \text{C}\dot{\text{H}}\text{P}\ddot{\text{e}}\text{C}, \text{P}\text{jC}\dot{\text{r}} \text{P}\dot{\text{r}}\text{P}_{\mu}\text{C}, \text{P}_{\mu}\text{P}\text{eP}^{\circ}\text{C}\dot{\text{t}}\text{C}-\text{C}-, \text{P}\dot{\text{r}}\text{C}-\text{P}^{\circ}\text{C}\dot{\text{H}}\text{P}_{\mu}\text{C}\dot{\text{I}}, \text{P}\cdot\text{P}^{\circ}\text{P}\dot{\text{i}}\text{P}\text{sC}\dot{\text{H}}, \text{C}\dot{\text{I}}\text{PIP}_{\mu}\text{C}\dot{\text{H}}\text{P}\pm\text{C}-\text{P}\P,$
 $\text{PIP}\ddot{\text{e}}\text{C}\dot{\text{I}}\text{P}\ddot{\text{e}}\text{P}\dot{\text{i}}, \text{P}_{\mu}\text{P}\text{eP}\cdot\text{P}^{\circ}\text{PSC}, \text{P}_{\mu}\text{P}\text{jP}^{\circ}, \text{PSP}^{\circ}\text{P}\pm\text{C}\dot{\text{H}}\text{C}\dot{\text{I}}\text{P}\text{e} \text{C}\dot{\text{I}}\text{C}\dot{\text{r}}\text{P}\dot{\text{i}}\text{P}\gg\text{P}\text{sP}\pm\text{C}-\text{PI} (\text{PSP}^{\circ}\text{P}\pm\text{C}\dot{\text{H}}\text{C}\dot{\text{I}}\text{P}\text{e}$
 $\text{C}_{\text{‰}}\text{P}\ddot{\text{e}}\text{P}\text{eP}\text{sP}\gg\text{P}\text{sC}, \text{P}\text{sP}\text{e}), \text{C}\dot{\text{I}}\text{P}\dot{\text{i}}\text{P}^{\circ}\text{P}\cdot\text{P}\text{jP}\ddot{\text{e}} \text{P}\text{j}\text{b}\dot{\text{H}}^{\text{TM}} \text{C}\dot{\text{I}}\text{P}\cdot\text{C}-\text{PI}, \text{P}\dot{\text{i}}\text{C}-\text{P}\dot{\text{r}}\text{PIP}\ddot{\text{e}}\text{C}_{\text{‰}}\text{P}_{\mu}\text{PSP}^{\circ}$
 $\text{PIC}, \text{P}\text{sP}\text{jP}\gg\text{C}\dot{\text{H}}\text{PIP}^{\circ}\text{PSC}-\text{C}\dot{\text{I}}\text{C}, \text{CH}_{\text{b}}, \text{P}^{\circ}\text{C}\dot{\text{I}}\text{C}, \text{P}_{\mu}\text{PSC}-\text{C}\dot{\text{I}}.$

PTSC, PpC-C-C- C, P° C-PSIP°P·C-C-: CHPESC-C, (PSPpC†P°C†C, Ps bH° P°PiP»PsPrPëPiC-PS; PrCrP¶Pp CHC-PrPePs bH° PiPpCHPëPSPrPsPiCHPëP»).

P— P±PsPeCr CГPёCГC,PµPjPё PeCHPsPIC- C,P° P»C-PjC„P°C,PёC‡PSPSc— CГPёCГC,PµPjPё:
PµPsP·PёPSPSc,,C-P»C-CЦ (PSPµC‡P°CГC,Ps* вђ” ПїPµCГPёPSPPrPsPiCГPёP»);
P»PµPNёPePsPiPµPSC-CЦ/PSPµPNёC,CГPsPiPµPSC-CЦ (PrCrP¶Pµ CГC-PrPePs вђ”
P°PjP»PsPrPёPiC-PS C,P° PiPµCГPёPSPPrPsPiCГPёP») (PrPёPI. CГPsP·PrC-P»
B«PhCГPsP±P»PёPIPsCГC,C- P·P°CГC,PsCГCрPIP°PSPSCЦB»); P°PiCГP°PSCрP»PsC‡PёC,PsP·
P°P±Ps PiP°PSC‡PёC,PsPiPµPSC-CЦ (PrCrP¶Pµ CГC-PrPePs вђ” PiPµCГPёPSPPrPsPiCГPёP») (PrPёPI.
CГPsP·PrC-P» B«PhCГPsP±P»PёPIPsCГC,C- P·P°CГC,PsCГCрPIP°PSPSCЦB»);
C,CГPsPjP±PsC‡PёC,PsPiPµPSC-CЦ (PrCrP¶Pµ CГC-PrPePs вђ” P°PjP»PsPrPёPiC-PS C,P°
PiPµCГPёPSPPrPsPiCГPёP») (PrPёPI. CГPsP·PrC-P» B«PhCГPsP±P»PёPIPsCГC,C-
P·P°CГC,PsCГCрPIP°PSPSCЦB»); PµPSP·PёPjPsCГPiPµC‡PёC,,C-C‡PSP° PiPµPjPsP»C-C,PёC‡PSP°
P°PSPµPjC-CЦ Cr PiP°C‡C-C”PSC,C-PI P· CrCГPsPrP¶PuPSPScГ PSPµPrPsCГC,P°C,PSC-CГC,CГ

PiP»CḤPePsP·Ps-6-C,,PsCíC,,P°C,PrPμPiC-PrCḤPsPiPμPSP°P·Pë (PrCíP¶Pμ CḤC-PrPePs BḤ”
PiPμCḤPëPSPPrPsPiCḤPëP») (PrPëPI. CḤPsP·PrC-P» B«PhCíPsP±P»PëPIPsCíC,C-
P·P°CíC,PScíCíPIP°PSPSCḤB»).

P— P±PsPeCí C-PjCíPSPSPsC— CíPëCíC,PμPjPë: PiC-PiPμCḤC±CíC,P»PëPIC-CíC,CH (PrCíP¶Pμ
CḤC-PrPePs BḤ” P°PjP»PsPrPëPiC-PS; PSPμC±P°CíC,Ps BḤ” PiPμCḤPëPSPPrPsPiCḤPëP»).

P— P±PsPeCí PsP±PjC-PSCí CḤPμC±PsPIPëPS C- PjPμC,P°P±PsP»C-P·PjCí:
PiC-PiPsPiP»C-PePμPjC-CḤ (PSPμC±P°CíC,Ps* BḤ” PiPμCḤPëPSPPrPsPiCḤPëP») (PrPëPI.
CḤPsP·PrC-P»Pë B«PhCíPsP±P»PëPIPsCíC,C- P·P°CíC,PScíCíPIP°PSPSCḤB» C-
B«P·P·P°C”PjPsPrC-CḤ P· C-PSC€PëPjPë P»C-PeP°CḤCíCHPePëPjPë P·P°CíPsP±P°PjPë C,P°
C-PSC€C- PIPëPrPë PIP·P°C”PjPsPrC-PNëB»); PiC-PiPμCḤPeP°P»C-C”PjC-CḤ, C%Ps
P·PSPëPeP°C” PiC-CíP»CḤ PIC-PrPjC-PSPë P»C-PeP°CḤCíCHPePsPiPs P·P°CíPsP±Cí
(PSPμC±P°CíC,Ps* BḤ” PiPμCḤPëPSPPrPsPiCḤPëP») (PrPëPI. CḤPsP·PrC-P»
B«PhCíPsP±P»PëPIPsCíC,C- P·P°CíC,PScíCíPIP°PSPSCḤB»); PiC-PiPsPSP°C,CḤC-C”PjC-CḤ
(PSPμC±P°CíC,Ps* BḤ” PiPμCḤPëPSPPrPsPiCḤPëP»); PiC-PiPμCḤPiP»C-PePμPjC-CḤ (PrCíP¶Pμ
CḤC-PrPePs BḤ” P°PjP»PsPrPëPiC-PS).

P— P±PsPeCí PiCíPëC...C-PePë: P±PμP·CíPsPSPSCḤ (PSPμC±P°CíC,Ps BḤ”
P°PjP»PsPrPëPiC-PS); PiPsCḤCíC€PμPSPSCḤ PSP°CíC,CḤPsCḤ (PIPeP»CḤC±P°CḤC±Pë
C,CḤPëPIPsP¶PSC-CíC,CH) (PSPμC±P°CíC,Ps BḤ” P°PjP»PsPrPëPiC-PS C,P°
PiPμCḤPëPSPPrPsPiCḤPëP»); PrPμPiCḤPμCíC-CḤ (PSPμC±P°CíC,Ps BḤ” P°PjP»PsPrPëPiC-PS,
PSPμC±P°CíC,Ps* BḤ” PiPμCḤPëPSPPrPsPiCḤPëP»); PiPsCḤCíC€PμPSPSCḤ CíPSCí
(PSPμC±P°CíC,Ps BḤ” PiPμCḤPëPSPPrPsPiCḤPëP»).

P— P±PsPeCí PSPμCḤPIPsPIPsC— CíPëCíC,PμPjPë: CíPsPSP»PëPIC-CíC,CH
(PsCíPsP±P»PëPIPs PSP° PiPsC±P°C,PeCí P»C-PeCíPIP°PSPSCḤ) (C±P°CíC,Ps BḤ”
P°PjP»PsPrPëPiC-PS; PSPμC±P°CíC,Ps* BḤ” PiPμCḤPëPSPPrPsPiCḤPëP»);
P·P°PiP°PjPsCḤPsC±PμPSPSCḤ (PsCíPsP±P»PëPIPs PSP° PiPsC±P°C,PeCí P»C-PeCíPIP°PSPSCḤ)
(C±P°CíC,Ps BḤ” P°PjP»PsPrPëPiC-PS C,P° PiPμCḤPëPSPPrPsPiCḤPëP»); PiPsP»PsPIPsPëPNë
P±C-P»CH (PsCíPsP±P»PëPIPs PSP° PiPsC±P°C,PeCí P»C-PeCíPIP°PSPSCḤ) (C±P°CíC,Ps BḤ”
P°PjP»PsPrPëPiC-PS C,P° PiPμCḤPëPSPPrPsPiCḤPëP»); CíPiPsC,PIPsCḤPμPSPSCḤ CíPjP°PeCí
(PrPëCíPiPμPIP·C-CḤ) (PSPμC±P°CíC,Ps BḤ” P°PjP»PsPrPëPiC-PS; C±P°CíC,Ps BḤ”
PiPμCḤPëPSPPrPsPiCḤPëP»); C,CḤPμPjPsCḤ (PSPμC±P°CíC,Ps BḤ” P°PjP»PsPrPëPiC-PS);
PiC-PiPμCíC,PμP·C-CḤ (PSPμC±P°CíC,Ps BḤ” P°PjP»PsPrPëPiC-PS); PiP°CḤPμCíC,PμP·C-CḤ
(PSPμC±P°CíC,Ps BḤ” P°PjP»PsPrPëPiC-PS; C±P°CíC,Ps BḤ” PiPμCḤPëPSPPrPsPiCḤPëP»);
PSPμPiCḤPëC,PsPjPSC-CíC,CH (PSPμC±P°CíC,Ps BḤ” P°PjP»PsPrPëPiC-PS; PSPμC±P°CíC,Ps*
BḤ” PiPμCḤPëPSPPrPsPiCḤPëP»); CíPiP»CíC,P°PSC-CíC,CH CíPIC-PrPsPjPsCíC,C- (CḤC-PrPePs
BḤ” P°PjP»PsPrPëPiC-PS; PrCíP¶Pμ CḤC-PrPePs BḤ” PiPμCḤPëPSPPrPsPiCḤPëP»);
PiC-PiPμCḤC,PsPSCíCí (PrCíP¶Pμ CḤC-PrPePs BḤ” P°PjP»PsPrPëPiC-PS);
PiPμCḤPëC,,PμCḤPëC±PSP° PSPμPNëCḤPsPiP°C,C-CḤ (PrCíP¶Pμ CḤC-PrPePs BḤ”
P°PjP»PsPrPëPiC-PS); C±PμCḤPμP±CḤPsPIP°CíPeCíP»CḤCḤPSC- PiPsPrC-C— PjPsP¶CíC,CH
PIPëPSPëPeP°C,Pë PIPSP°CíP»C-PrPsPe PSP°PrPjC-CḤPSPsPiPs P·PSPëP¶PμPSPSCḤ
P°CḤC,PμCḤC-P°P»CHPSPsPiPs C,PëCíPeCí Cí PiP°C±C-C”PSC,C-PI PiCḤCíPiPë
PIPëCíPsPePsPiPs CḤPëP·PëPeCí (PrCíP¶Pμ CḤC-PrPePs BḤ” PiPμCḤPëPSPPrPsPiCḤPëP») (PrPëPI.
CḤPsP·PrC-P» B«PhCíPsP±P»PëPIPsCíC,C- P·P°CíC,PScíCíPIP°PSPSCḤB»);
PμPeCíC,CḤP°PiC-CḤP°PjC-PrPSC- CḤPsP·P»P°PrPë (PμPeCíC,CḤP°PiC-CḤP°PjC-PrPSPëPNë
CíPëPSPPrCḤPsPj) (C±P°CíC,PsC,P° PSPμPIC-PrPsPjP° BḤ” P°PjP»PsPrPëPiC-PS).

P— P±PsPeCí PsCḤPiP°PSC-PI P·PsCḤCí: PiPsCḤCíC€PμPSPSCḤ P·PsCḤCí (C±P°CíC,Ps BḤ”
P°PjP»PsPrPëPiC-PS C,P° PiPμCḤPëPSPPrPsPiCḤPëP»); PrPIPsC—PSPSCḤ (C±P°CíC,Ps BḤ”

P— P±PsPeCr C€P»CrPSPePsPIPs-PePëC€PePsPIPsPiPs C,ÇP°PeC,Cr: PiC-PiPµCÇPiP»P°P·C-CÇ
CÇCÇPµPS (PrCrP¶Pµ CÇC-PrPePs BÇ" P°PjP»PsPrPëPiC-PS); P±C-P»CH Cr P¶PëPIPsC,C-
(C‡P°CÇC,Ps BÇ" P°PjP»PsPrPëPiC-PS C,P° PiPµCÇPëPSPPrPsPiCÇPëP»); PSCrPrPsC,P°
(C‡P°CÇC,Ps BÇ" P°PjP»PsPrPëPiC-PS C,P° PiPµCÇPëPSPPrPsPiCÇPëP»); B P±P»CÇPIP°PSPSCÇ
(PSPµC‡P°CÇC,Ps BÇ" P°PjP»PsPrPëPiC-PS; C‡P°CÇC,Ps BÇ" PiPµCÇPëPSPPrPsPiCÇPëP»);
PrPëCÇPiPµPiCÇC-CÇ (C‡P°CÇC,Ps BÇ" P°PjP»PsPrPëPiC-PS C,P° PiPµCÇPëPSPPrPsPiCÇPëP»);
P·PjC-PSP° CÇPëC,PjCr PrPµC,,PµPeP°C‡C-C— (C‡P°CÇC,Ps BÇ" P°PjP»PsPrPëPiC-PS);
CÇCÇC...C-CÇC,CH Cr CÇPsC,C- (PSPµC‡P°CÇC,Ps BÇ" P°PjP»PsPrPëPiC-PS C,P°
PiPµCÇPëPSPPrPsPiCÇPëP»); PrC-P°CÇPµCÇ (C‡P°CÇC,Ps BÇ" P°PjP»PsPrPëPiC-PS C,P°
PiPµCÇPëPSPPrPsPiCÇPëP»); P·P°PiPsCÇ (C‡P°CÇC,Ps BÇ" P°PjP»PsPrPëPiC-PS C,P°
PiPµCÇPëPSPPrPsPiCÇPëP»); PiP°PSPeCÇPµP°C,PëC, (PrCrP¶Pµ CÇC-PrPePs BÇ"
P°PjP»PsPrPëPiC-PS C,P° PiPµCÇPëPSPPrPsPiCÇPëP»); PiP°CÇC,CÇPëC, (PrCrP¶Pµ CÇC-PrPePs
BÇ" P°PjP»PsPrPëPiC-PS).

P— P±PsPeCf PiPμPiP°C,PsP±C-P»C-P°CḡPSPSc— CḡPēCḡC,PμPjPē: PiPμPiP°C,PēC,,
P¶PsPIC,CḡPSPēCḡCḡ (PrCfP¶Pμ CḡC-PrPePs bḡ" P°PjP»PsPrPēPiC-PS);
CḡPēC,PsP»C-C,PēCḡPSPēPNē P°P±Ps C...PsP»PμCḡC,P°C,PēCḡPSPēPNē PiPμPiP°C,PēC, (PrCfP¶Pμ
CḡC-PrPePs bḡ" PiPμCḡPēPSPrPsPiCḡPēP») (PrPēPI. CḡPsP·PrC-P» B«PhCḡPsP±P»PēPIPsCḡC,C-
P·P°CḡC,PsCḡCfPIP°PSPSCḡB»); PiC-PrPIPēC%PμPSPSCḡ CḡC-PIPSCḡ PiPμCḡC-PSPePsPIPēC...
C,,PμCḡPjPμPSC,C-PI (PiPμCḡPμPIP°P¶PSPs CḡPiCḡPēCḡPēPSPμPSC- C...PsP»PμCḡC,P°P·PsPj)
(PrCfP¶Pμ CḡC-PrPePs bḡ" P°PjP»PsPrPēPiC-PS).

P— P±PsPeCf CēPeC-CḡPē C,P° PiC-PrCēPeC-CḡPSPSc— PeP»C-C,PePsPIPēPSPē:
P°PSPiC-PsPSPμPICḡPsC,PēCḡPSPēPNē PSP°P±CḡCḡPe PḡPIC-PSPePμ (PrCfP¶Pμ CḡC-PrPePs
bḡ" P°PjP»PsPrPēPiC-PS); P°PSPiC-PsPSPμPICḡPsC,PēCḡPSPēPNē PSP°P±CḡCḡPe
PsP±P»PēCḡCḡCḡ, PeC-PSCḡC-PIPsPe, PiCfP±, CḡP»PēP·PsPIPēC... PsP±PsP»PsPSPsPe,
CḡP·PēPeP°, PiPsP»PsCḡPsPIPsC— C%C-P»PēPSPē C,P°/P°P±Ps PiPsCḡC,P°PSC- (PrCfP¶Pμ
CḡC-PrPePs bḡ" P°PjP»PsPrPēPiC-PS; PSPμCḡP°CḡC,Ps bḡ" PiPμCḡPēPSPrPsPiCḡPēP») (PrPēPI.
CḡPsP·PrC-P» B«PhCḡPsP±P»PēPIPsCḡC,C- P·P°CḡC,PsCḡCfPIP°PSPSCḡB»);
PjCfP»CHC,PēC,,PsCḡPjPSP° PμCḡPēC,PμPjP° (PrCfP¶Pμ CḡC-PrPePs - P°PjP»PsPrPēPiC-PS C,P°
PiPμCḡPēPSPrPsPiCḡPēP»); P°P»PsPiPμCḡC-Cḡ (PSPμCḡP°CḡC,Ps bḡ" P°PjP»PsPrPēPiC-PS);B
PiCfCḡPiCfCḡP° (PSPμCḡP°CḡC,Ps bḡ" P°PjP»PsPrPēPiC-PS); P·PSPμP±P°CḡPIP»PμPSPSCḡ
CēPeC-CḡPē (PSPμCḡP°CḡC,Ps bḡ" P°PjP»PsPrPēPiC-PS); PiC-PiPμCḡPiC-PrCḡPsP·
(PSPμCḡP°CḡC,Ps bḡ" P°PjP»PsPrPēPiC-PS C,P° PiPμCḡPēPSPrPsPiCḡPēP»); CḡPIPμCḡP±C-P¶
(PSPμCḡP°CḡC,Ps bḡ" P°PjP»PsPrPēPiC-PS; CḡP°CḡC,Ps bḡ" PiPμCḡPēPSPrPsPiCḡPēP»);
PIPēCḡPēPi, PμPeP·P°PSC,PμPjP° (PSPμCḡP°CḡC,Ps bḡ" P°PjP»PsPrPēPiC-PS; CḡP°CḡC,Ps bḡ"
PiPμCḡPēPSPrPsPiCḡPēP»); PeCḡPsPiPēPIbḡ™ CḡPSPeP° (PSPμCḡP°CḡC,Ps bḡ"
P°PjP»PsPrPēPiC-PS C,P° PiPμCḡPēPSPrPsPiCḡPēP») (PrPēPI. CḡPsP·PrC-P»
B«PhCḡPsP±P»PēPIPsCḡC,C- P·P°CḡC,PsCḡCfPIP°PSPSCḡB»); CḡPμP°PeCḡC-C—
C,,PsC,PsCḡCfC,P»PēPIPsCḡC,C- (PrCfP¶Pμ CḡC-PrPePs bḡ" P°PjP»PsPrPēPiC-PS;
PSPμCḡP°CḡC,Ps* bḡ" PiPμCḡPēPSPrPsPiCḡPēP»); PiPμPjC,,C-PiPsC—Pr (PSPμCḡP°CḡC,Ps* bḡ"
PiPμCḡPēPSPrPsPiCḡPēP»); PiPsCḡPēP»PμPSPSCḡ CḡPēPjPiC,PsPjC-PI PiCḡPsCḡC-P°P·Cf
(CḡC-PrPePs bḡ" PiPμCḡPēPSPrPsPiCḡPēP»); CḡPēPSPrCḡPsPj
PḡC,C-PIPμPSCḡP°bḡ" P°P¶PsPSCḡPsPSP° (PrCfP¶Pμ CḡC-PrPePs bḡ"
P°PjP»PsPrPēPiC-PS); PμPeCḡC,,PsP»C-P°C,PēPIPSPēPNē PrPμCḡPjP°C,PēC, (PrCfP¶Pμ
CḡC-PrPePs bḡ" P°PjP»PsPrPēPiC-PS); C,PsPeCḡPēCḡPSPēPNē
PμPiC-PrPμCḡPjP°P»CHPSPēPNē PSPμPeCḡPsP»C-P· (CḡP°CḡC,PsC,P° PSPμPIC-PrPsPjP°
bḡ" P°PjP»PsPrPēPiC-PS).

P— P±PsPeCf PsPiPsCḡPSPs-CḡCfC...PsPIPsC— CḡPēCḡC,PμPjPē C,P° CḡPiPsP»CfCḡPSPsC—
C,PeP°PSPēPSPē: PSP°P±CḡCḡPe CḡCfPiP»PsP±C-PI (PSP°P±CḡCḡPe C%PēPePsP»PsC,PsPe)
(CḡP°CḡC,Ps bḡ" P°PjP»PsPrPēPiC-PS); P°CḡC,CḡP°P»PiC-Cḡ (PSPμCḡP°CḡC,Ps bḡ"
P°PjP»PsPrPēPiC-PS; PSPμCḡP°CḡC,Ps* bḡ" PiPμCḡPēPSPrPsPiCḡPēP»); PjC-P°P»PiC-Cḡ
(PSPμCḡP°CḡC,Ps bḡ" P°PjP»PsPrPēPiC-PS; PSPμCḡP°CḡC,Ps* bḡ" PiPμCḡPēPSPrPsPiCḡPēP»);
CḡPiP°P·PjPē PjBḡ™ CḡP·C-PI (CḡP°CḡC,Ps bḡ" P°PjP»PsPrPēPiC-PS C,P°
PiPμCḡPēPSPrPsPiCḡPēP»); P±C-P»CH Cḡ CḡPiPēPSC- (PSPμCḡP°CḡC,Ps bḡ"
P°PjP»PsPrPēPiC-PS).

P— P±PsPeCf CḡPμCḡPsPIPēPrC-P»CHPSPSc— CḡPēCḡC,PμPjPē: PiPsCḡCfCēPμPSPSCḡ
CḡPμCḡPsPIPēPiCfCḡPeP°PSPSCḡ, PSC-PeC,CfCḡC-Cḡ, PiPsP»P°PeC-CfCḡC-Cḡ (CḡP°CḡC,Pμ
CḡPμCḡPsPIPēPiCfCḡPeP°PSPSCḡ) (PSPμCḡP°CḡC,Ps bḡ" P°PjP»PsPrPēPiC-PS); PSPēCḡPePsPIP°
PSPμPrPsCḡC,P°C,PSC-CḡC,CH (PSPμCḡP°CḡC,Ps bḡ" PiPμCḡPēPSPrPsPiCḡPēP»); PiPsCḡC,CḡP°
PSPēCḡPePsPIP° PSPμPrPsCḡC,P°C,PSC-CḡC,CH (CḡC-PrPePs bḡ" PiPμCḡPēPSPrPsPiCḡPēP»);
P°PSCfCḡC-Cḡ/PsP»C-PiCfCḡC-Cḡ (CḡC-PrPePs* bḡ" PiPμCḡPēPSPrPsPiCḡPēP»).

P— P±PsPeCf CḡPμPīCḡPsPrCfPeC, PēPIPSPsC— CḡPēCḡC, PμPjPē C, P° PjPsP»PsC±PSPēC...
P·P°P»PsP·: PμCḡPμPeC, PēP»CHbPSP° PrPēCḡC, CḡPSPeC†C-Cḡ (PSPμC±P°CḡC, Ps bḡ
P°PjP»PsPrPēPīC-PS C, P° PīPμCḡPēPSPPrPsPīCḡPēP»); PīC-PSPμPePsPjP°CḡC, C-Cḡ
(PSPμC±P°CḡC, Ps bḡ P°PjP»PsPrPēPīC-PS).

P—P°PīP°P»CHbPSC- CḡPsP·P»P°PrPē C, P° CḡPμP°PeC†C-C— Cḡ PjC-CḡC†C- PīPIPμPrPμPSPSCḡ:
PSP°P±CḡCḡPePē (PrCḡPḡPμ C±P°CḡC, Ps bḡ P°PjP»PsPrPēPīC-PS); PīPμCḡPēC, PμCḡPēC±PSC-
PSP°P±CḡCḡPePē (PSPμC±P°CḡC, Ps* bḡ PīPμCḡPēPSPPrPsPīCḡPēP»); PīC-PrPIPēC%PμPSP°
PīC, PsPjP»CḡPIP°PSC-CḡC, CH (C±P°CḡC, Ps bḡ P°PjP»PsPrPēPīC-PS); P±C-P»CH Cḡ
PīCḡCḡPrPSC-PNē PeP»C-C, C†C- (PSPμC±P°CḡC, Ps bḡ P°PjP»PsPrPēPīC-PS; PSPμC±P°CḡC, Ps*
bḡ PīPμCḡPēPSPPrPsPīCḡPēP»); P°CḡC, PμPSC-Cḡ (C±P°CḡC, Ps bḡ P°PjP»PsPrPēPīC-PS C, P°
PīPμCḡPēPSPPrPsPīCḡPēP»); P±C-P»CH (PSPμC±P°CḡC, Ps bḡ P°PjP»PsPrPēPīC-PS);
PSPμP·PrCḡPḡP°PSPSCḡ (PSPμC±P°CḡC, Ps bḡ P°PjP»PsPrPēPīC-PS; PSPμC±P°CḡC, Ps* bḡ
PīPμCḡPēPSPPrPsPīCḡPēP»); PīC-PīPμCḡC, PμCḡPjC-Cḡ (PSPμC±P°CḡC, Ps* bḡ
PīPμCḡPēPSPPrPsPīCḡPēP»).

P PμP·CḡP»CHbC, P°C, Pē P»P°P±PsCḡP°C, PsCḡPSPēC... PrPsCḡP»C-PrPḡPμPSCḡ:
P·P±C-P»CHbC€PμPSPSCḡ PjP°CḡPē C, C-P»P°, P·PjPμPSC€PμPSPSCḡ PjP°CḡPē C, C-P»P°
(PSPμC±P°CḡC, Ps bḡ P°PjP»PsPrPēPīC-PS); PīC-PrPIPēC%PμPSPSCḡ CḡC-PIPSCḡ
CḡPμC±PsPIPēPSPē Cḡ PeCḡPsPIC- (PSPμC±P°CḡC, Ps* bḡ PīPμCḡPēPSPPrPsPīCḡPēP»);
PīC-PrPIPēC%PμPSPSCḡ CḡC-PIPSCḡ PeCḡPμP°C, PēPSC-PSCḡ Cḡ PeCḡPsPIC-
(PSPμC±P°CḡC, Ps* bḡ PīPμCḡPēPSPPrPsPīCḡPēP»); PīC-PrPIPēC%PμPSPSCḡ CḡC-PIPSCḡ
P±C-P»C-CḡCḡP±C-PSCḡ Cḡ PeCḡPsPIC- (CḡC-PrPePs bḡ PīPμCḡPēPSPPrPsPīCḡPēP»);
PīC-PrPIPēC%PμPSPSCḡ CḡC-PIPSCḡ PīPμC±C-PSPePsPIPēC... C, PμCḡPjPμPSC, C-PI
(CḡC-PrPePs bḡ PīPμCḡPēPSPPrPsPīCḡPēP»); P·PSPēPḡPμPSPSCḡ CḡC-PIPSCḡ
PiPμPjPsPiP»PsP±C-PSCḡ C, P° PiPμPjP°C, PsPeCḡPēC, Cḡ (PrCḡPḡPμ CḡC-PrPePs bḡ
PīPμCḡPēPSPPrPsPīCḡPēP»).

PjC€PePsPrPḡPμPSPSCḡ, PsC, CḡCḡC»PSPSCḡ C, P° CḡCḡPeP»P°PrPSPμPSPSCḡ PīCḡPē
PīCḡPsPIPμPrPμPSPSC- PīCḡPsC†PμPrCḡCḡ: PīP°PrC-PSPSCḡ (PSPμC±P°CḡC, Ps* bḡ
PīPμCḡPēPSPPrPsPīCḡPēP»).

*PḡP°CḡC, PsC, Cḡ P±CḡP»Ps CḡPsP·CḡP°C...PsPIP°PSPs P·P° PrP°PSPēPjPē
CḡPīPsPSC, P°PSPSPēC... PīPsPIC-PrPsPjP»PμPSCḡ PīCḡPs PīPsP±C-C±PSC- CḡPμP°PeC†C-C—,
PIPēCḡPIP»PμPSC- Cḡ C...PsPrC- PeP»C-PSC-C±PSPēC... PrPsCḡP»C-PrPḡPμPSCḡ.

PμPsPIC-PrPsPjP»PμPSPSCḡ PīCḡPs PīPsP±C-C±PSC- CḡPμP°PeC†C-C— PīC-CḡP»Cḡ
CḡPμC»CḡC, CḡP°C†C-C— P»C-PeP°CḡCḡCHbPePsPiPs P·P°CḡPsP±Cḡ PjP°C» PīPμP»PēPePμ
P·PSP°C±PμPSPSCḡ. PīPμ PrP°C» P·PjPsPīCḡ PīCḡPsPIPsPrPēC, Pē PjPsPSC-C, PsCḡPēPSPi
CḡPīC-PIPIC-PrPSPsC€PμPSPSCḡ PePsCḡPēCḡC, CH/CḡPēP·PēPe PīCḡPē
P·P°CḡC, PsCḡCḡPIP°PSPSC- C†CHbPsPiPs P»C-PeP°CḡCḡCHbPePsPiPs P·P°CḡPsP±Cḡ.
PḡPμPrPēC±PSPēPj C, P° C, P°CḡPjP°C†PμPIC, PēC±PSPēPj PīCḡP°C†C-PIPSPēPeP°Pj, P°
C, P°PePsPḡ PīP°C†C-C»PSC, P°Pj P°P±Ps C—C...PSC-Pj P·P°PePsPSPSPēPj
PīCḡPμPrCḡC, P°PIPSPēPeP°Pj CḡP»C-Pr PīPsPIC-PrPsPjP»CḡC, Pē PīCḡPs CḡCḡC-
PIPēPīP°PrPePē PīC-PrPsP·CḡCḡPIP°PSPēC... PīPsP±C-C±PSPēC... CḡPμP°PeC†C-PNē C, P°
PIC-PrCḡCḡC, PSPsCḡC, C- PμC, PμPeC, PēPIPSPsCḡC, C- P»C-PeP°CḡCḡCHbPePsPiPs P·P°CḡPsP±Cḡ
C±PμCḡPμP· PḡPIC, PsPjP°C, PēP·PsPIP°PSCḡ C-PSC, PsCḡPjP°C†C-PNēPSCḡ CḡPēCḡC, PμPjCḡ P·
C, P°CḡPjP°PePsPSP°PīP»CḡPrCḡ P·P° PīPsCḡPēP»P°PSPSCḡPj: <https://aisf.dec.gov.ua>.

PŷPµCḡPjC-PS PïCḡPëPrP°C,PSPsCíC,C-.

2 CḡPsPePë.

PJPjPsPIPë P·P±PµCḡC-PiP°PSPSCII.

P—P±PµCḡC-PiP°C,Pë PïCḡPë C,PµPjPïPµCḡP°C,CíCḡC- PSPµ PIPëC‰Pµ 30 B°C PI
PsCḡPëPiC-PSP°P»CḤPSC-PN̄ CíPïP°PePsPIC†C-.

P—P±PµCḡC-PiP°C,Pë PI PSPµPrPsCíC,CíPïPSPsPjCí PrP»CII PrC-C,PµPN̄ PjC-CíC†C-.

PJPïP°PePsPIPeP°.

PµPs 10 C,P°P±P»PµC,PsPe Cí P±P»C-CíC,PµCḡC-. PµPs 3 P±P»C-CíC,PµCḡPë Cí
PïP°C‡C†C- P· PeP°CḡC,PsPSCí.

PḡP°C,PµPiPsCḡC-CII PIC-PrPïCíCíPeCí.

P—P° CḡPµC†PµPïC,PsPj.

P'PëCḡPsP±PSPëPe.

PḡPŷ B«PḡP°CḡPjP°PeB».

**PḡC-CíC†PµP·PSP°C...PsPrP¶PµPSPSCII PIPëCḡPsP±PSPëPeP° C,P° P°PrCḡPµCíP°
PjC-CíC†CII PïCḡPsPIP°PrP¶PµPSPSCII PN̄PsPiPs PrC-CII P»CḤPSPsCíC,C-.**

PJPeCḡP°C—PSP°, 04080, Pj. PḡPëC—PI, PICíP». PḡPëCḡPëP»C-PICíCḤPeP°, 74.